SDMS DOCID# 1106027

KAISER PERMANENTE®

Kaiser Foundation Health Plan, Inc.

July 31, 2006

VIA DHL OVERNIGHT

Ms. Kim Muratore
Case Developer (SFD-7-B)
U.S. Environmental Protection Agency
Region 9
75 Hawthorne Street
San Francisco, California 94105-3901

Re: San Fernando Valley/ North Hollywood Superfund Site – Information Request.

Dear Ms. Muratore:

This further responds to the U.S. Environmental Protection Agency's ("EPA") May 16, 2006 letter and information request to Kaiser Foundation Health Plan, Inc. ("Health Plan") regarding the Kaiser Permanente Regional Reference Laboratory's facility currently located at 11668 Sherman Way, North Hollywood, California.

As per my conversation with Marie Rongone, it was agreed that Health Plan would postmark all responses to Request Nos. 13 and 15 through 34 by August 14, 2006. This letter and accompanying documents consists of the responses to Request Nos. 13 and 15 through 18, 20 through 22, and 24 through 34. The responses to Request Nos. 19 and 23 will be sent under separate cover. Please note that due to equipment issues, bates numbers 000565 through 015744 do not include the KP-EPA prefix. They are part of the same series. The responses to the above-referenced requests are listed below:

ENCLOSURE B: INFORMATION REQUEST

13. For any period of time in which the Company, under any of its current or former business structures, owned the Facility, provide the name, address, and phone number of any tenant or lessee. Provide a copy of each lease, rental agreement, or any other document that establishes the Company's relationship to any other operators at the Facility.

Program Offices
One Kaiser Plaza
Oakland, California 94612
(510) 271-5910
323138

See Bates numbers KP-EPA 000311 through KP-EPA 000315 in box number 1.

15. For any period of time in which the Company, under any of its current or former business structures, operated at, but did not own, the Facility, provide the name, address, and phone number of the Facility's owner. Provide a copy of each lease, rental agreement, or any other document that establishes the Company's relationship to the real property owner during the Company's occupancy of the Facility.

Kaiser Permanente Regional Reference Laboratory has been owned by Kaiser Foundation Health Plan, Inc., since August 28, 1989. The facility has been operated by Southern California Permanente Medical Group ("Medical Group") during this period. The Medical Group began operations on the property in 1991.

16. Identify any individual or entity that owned or operated the Facility prior or subsequent to the Company. For each prior or subsequent owner or operator, further identify :

a. The dates of ownership/ operation;
b. The nature of prior or subsequent operations at the Facility;
c. All evidence that the prior or subsequent owner or operator controlled access to the property; and
d. All evidence that a hazardous substance, pollutant, or contaminant was released or threatened to be released at the Facility during the period of prior or subsequent ownership or operation.

See Bates numbers KP-EPA 000259 through KP-EPA 000310. (Previously produced in response to Request # 12) and bates numbers 014527 – 014541 in box number 1.

17. Provide a complete list of employees who had knowledge of the use of hazardous substances and disposal of wastes at the Facility during any or all of the period of time that the Company operated at or was otherwise associated with the Facility. For each employee listed, provide the following information:

a. The employee's full name;

b. The employee's current or last known address and telephone number, including the last known date on which you believe each address and telephone number was current;

c. The dates that the employee worked at the Facility;

d. The position(s) the employee held under any of the Company's business structures; and

e. The employee's job titles(s) and the corresponding dates during which the Company believes that the employee would have had knowledge of the use and disposal of wastes.

1. Rolando Cada, 11668 Sherman Way, North Hollywood, CA 91605; (818) 503-6840 – Current as of 6/1/06; Hire Date: 8/3/1992; Solutions Preparation Technician; From 8/3/1992 to present.

2. Benjamin Magpantay, 11668 Sherman Way, North Hollywood, CA 91605; (818) 503-6840 – Current as of 6/1/06; Hire Date: 5/2/1988; Solutions Preparation Technician; From to present.

3. Norman Davis, 11668 Sherman Way, North Hollywood, CA 91605; (818) 503-6840 – Current as of 6/1/06; Hire Date: 8/20/1990; Solutions Preparation Technician; From 8/20/1990 to present.

4. Khachik Parsamian, 11668 Sherman Way, North Hollywood, CA 91605; (818) 503-6840 – Current as of 6/1/06; Hire Date: 7/15/1986; Solutions Preparation Technician; From to present.

5. Barry Foose, 11668 Sherman Way, North Hollywood, CA 91605; (818) 503-6741 – Current as of 6/1/06; Hire Date: 10/09/1972; Solutions Preparation Supervisor from 10/9/1972 to 1/1998; EH&S Specialist from 1/98 to present.

6. Elaine Jacinto, 11668 Sherman Way, North Hollywood,

CA 91605; (818) 503-6840 – Current as of 6/1/06; Hire Date: 3/17/2004; Environmental Health & Safety Coordinator; From 3/17/2004 to present.

7. Lanni Duong, 6041 Cadillac Ave., Los Angeles, CA 90034 (Kaiser West LA Medical Center); (xxx) xxx-xxxx; - Current as of 6/1/06; Hire Date: 9/16/2002; Environmental Health & safety Coordinator at Sherman Way Lab from 9/16/2002 to 1/10/2004; Environmental Health & Safety Manager at Kaiser West LA from 9/2/2005 to Present.

18. Describe the size of the Facility, the approximate number of people employed by the Company at the Facility, and the product(s) manufactures or services performed by the Company at the Facility. Describe any significant change in Facility size, the number of employees, or the products manufactured over time.

There are 662 employees currently working at this facility which operates 7 days a week 24 hours each day. In September of 1993 there were approximately 520 employees. *See* Bates numbers 014546 – 104574 in box number 1.

20. Provide a scaled map of the Facility which includes the locations of significant buildings and features. Indicate the locations of any maintenance shops, machine shops, degreasers, liquid waste tanks, chemical storage tanks, and fuel tanks. Provide a physical description of the Facility and identify the following:

a. Surface structures (e.g., buildings, tanks, containment and/or storage areas, etc.);
b. Subsurface structures (e.g., underground tanks, sumps, pits, clarifiers, etc.);
c. Groundwater and dry wells, including drillings logs, date(s) of construction or completion, details of construction, uses of the well(s), dates(s) the well(s) was/were abandoned, depth to groundwater, depth of well(s) and depth to and of screened intervals(s);
d. Past and present stormwater drainage system and sanitary sewer system, including septic tank(s) and subsurface disposal fields(s);

e. **Any and all additions, demolitions or changes of any kind to physical structures on, under or about the Facility or to the property itself (e.g., excavation work), and state the date(s) on which such changes occurred; and**
f. **The location of all waste storage or waste accumulation areas as well as waste disposal areas, including but not limited to dumps, leach fields, and burn pits.**

See Bates numbers 000565 – 000851 in box number 1.

21. Provide copies of hazardous material business plans and chemical inventory forms (originals and updates) submitted to city, county, and state agencies.

See Bates numbers 014638 – 014806 in box number 2.

22. Provide a list of all chemicals and hazardous substances used at the Facility, identifying the chemical composition and quantities used. Provide copies of Material Safety Data Sheets for all hazardous substances used..

See Bates numbers KP-EPA000488, and bates numbers 011049 – 012070 in box number 2.

24. Provide copies of all environmental data or technical or analytical information regarding soil, water, and air conditions at or adjacent to the Facility, including, but not limited to, environmental data or technical or analytical information related to soil contamination, soil sampling, soil gas sampling, geology, water (ground and surface), hydrogeology, groundwater sampling, and air quality.

See Bates numbers KP-EPA000311 - KP-EPA000315 (under response # 13) in box number 1, KP-EPA000316 – KP-EPA000487, 014542 – 014545, 015029 – 015744, and 000852-001441 in box number 2. *See also* Bates numbers 001442 – 004922 in box number 3, 004923-008162 in box number 4, and 008163-011048 in box number 5.

25. Identify, and provide the following information for, all groundwater wells that are located at the Facility:

a. **A map with the specific locations of the Facility groundwater wells;**
b. **Date the Facility groundwater wells were last sampled;**

c. List of all constituents which were analyzed during groundwater sampling events; and

d. All groundwater sampling results, reports of findings, and analytical data.

See Bates numbers KP-EPA000311 - KP-EPA000315 (under response # 13) in box number 1 and KP-EPA000316 – KP-EPA000487 (under response # 24) in box number 2.

26. Identify all insurance policies held by the Company from the time it commenced ownership of or operations at the Facility until the present. Provide the name and address of each insurer, the policy number, the amount of coverage and policy limits, the type of policy, and the expiration date of each policy. Include all comprehensive general liability policies and "first party" property insurance policies and all environmental impairment insurance. Provide a complete copy of each policy.

See Bates numbers KP-EPA015745 - KP-EPA015750 in box number 6.

27. Provide copies of any applications for permits or permits received under any local, state, or federal environmental laws and regulations, including any waste discharge permits, such as national pollutant discharge elimination system permits.

See Bates numbers 014807 – 015028, KP-EPA015751-KP-EPA015758, and KP-EPA015759-KP-EPA015907 in box number 6.

28. If the Company discharged any of its waste stream to the sewer at the Facility, provide copies of all permits and all analyses performed on discharged water, and identify all locations where waste streams were discharged.

Only one sewer discharge point is located at the facility. All waste water from laboratory operations is directed to this single point for discharge. Permits for discharge are granted by the City of Los Angeles and are attached. Inspections by the City of Los Angeles have occurred periodically throughout the years, however no results of water analysis made by the city from this discharge point have been shared with this facility. *See* Bates numbers 014575-014637 in box number 6.

29. For each waste stream generated at the Facility, describe the procedures for (a) collection, (b) storage, (c) treatment, (d) transport, and (e) disposal of the waste stream.

See Bates numbers KP-EPA000489 - KP-EPA000516 and 012071-014521 in box number 6.

30. Please provide a detailed description of all pre-treatment procedures performed by the Company on its waste streams at the Facility prior to transport to a disposal site.

No pre-treatment is performed. All hazardous waste is collected and removed by authorized hazardous waste haulers, as indicated in the documents from the previous question. *See* Bates numbers KP-EPA000489 - KP-EPA000516 and 012071-014521 (under Request # 29) in box number 6.

31. Please describe the method used by the Company to remove waste streams from sumps at the Facility.

There is no waste accumulated in sumps at this facility. All sumps are incorporated into the waste sewer line system for the laboratory and flow directly into the single point of discharge, as indicated previously. If sump repairs were necessary at any time, any waste would be held and discharged at a later time after completion of repairs. No waste is ever discharged directly into the soil.

32. Please identify all wastes that were stored at the Facility prior to shipment for disposal. Describe the storage procedures for each waste that was stored prior to disposal.

See Bates numbers KP-EPA000489 - KP-EPA000516 and 012071-014521 (under Request # 29) in box number 6.

33. Please identify all leaks, spills, or other releases into the environment of any hazardous substances or pollutants or contaminants that have occurred at or from the Facility. In addition, identify and provide supporting documentation of:

a. The date each release occurred;
b. The cause of each release;
c. The amount of each hazardous substance, waste, or pollutant or contaminant released during each release;

d. Where each release occurred and what areas were impacted by the release; and
e. Any and all activities undertaken in response to each release, including the notification of any local, state, or federal government agencies about the release.

There have been no spills or leaks or releases into the environment at or from the facility. Documents are provided concerning a leak that was discovered inside the facility. These documents show that the leak was controlled and fixed and at no time was any hazardous chemical released into the environment. *See* Bates numbers KP-EPA000517 - KP-EPA000523 in box number 6.

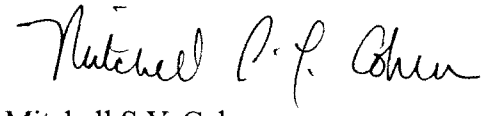
34. Provide copies of any correspondence between the Company and local, state, or federal authorities concerning the use, handling, or disposal of hazardous substances at the Facility, including but not limited to any correspondence concerning any of the releases identified in response to the previous question.

See Bates numbers KP-EPA000524 - KP-EPA000564 in box number 6 and 015029 – 105744 (Under Request # 24) in box number 1.

If you have any questions on the above, please do not hesitate to call me at (510) 271-6658.

Sincerely,

KAISER FOUNDATION HEALTH PLAN, INC.



Mitchell S.Y. Cohen
Senior Counsel

cc: Richard Weier (w/out attachments)
Elizabeth Villaluz (w/out attachments)

Allied-Signal Aerospace Company

AiResearch Los Angeles Division
Post Office Box 2960
Torrance, California 90509-2960
Telephone: (310) 323-9500
FAX: (310) 512-2221 (310) 532-7131
Twx: 910-349-6218 Telex: 67-4490

Allied Signal

June 7, 1993

Mr. William Hamilton
Kaiser Permanente
393 East Walnut, Walnut Center
Pasadena, California 91188

Re: Groundwater Investigation and License Agreement
Kaiser Permanente (former AlliedSignal property)
11666 Sherman Way
North Hollywood, CA

Dear Bill:

Enclosed is the final revision of the Groundwater Investigation and License Agreement with exhibits attached for the referenced property. If the license agreement is acceptable and includes all issues previously discussed, please sign and return. Drilling is tentatively scheduled to begin June 15.

If you have any questions or comments, please call me at (310) 512-1310.

Sincerely,

Nancy A. Girten

Nancy A. Girten
Environmental Project Engineer

cc: Ken Berke, Esq., AlliedSignal Inc.
Debbie Moore, AlliedSignal Aerospace
Ken Ragland, Groundwater Technology, Inc.

KP-EPA000311

nag93080.ltr

JUN 09 1993
Property Acquisition

GROUNDWATER INVESTIGATION AND LICENSE AGREEMENT

THIS GROUNDWATER INVESTIGATION AND LICENSE AGREEMENT (the "Agreement") is made and entered into as of June 8, 1993, by and between AlliedSignal Inc., a Delaware corporation ("Licensee"), and Kaiser Foundation Health Plan, Inc., a California Non-profit Public Benefit Corporation ("Licensor").

RECITALS

A. Licensor is the owner of that certain real property located in the City of Los Angeles, State of California, commonly known as 11666 Sherman Way, North Hollywood, California (the "Premises").

B. Pursuant to the request issued in December of 1992, the California Regional Water Quality Control Board - Los Angeles Region File No. 111.2528 ("RWQCB"), has instructed Licensee to install four (4) groundwater monitor wells on the Premises.

C. Accordingly, Licensee has requested permission to install four groundwater monitor wells in that certain area of the Premises described on Exhibit "A" attached hereto for the purposes of identifying potential groundwater contamination beneath the Premises.

TERMS AND CONDITIONS

NOW, THEREFORE, the parties hereby agree as follows:

1. Grant of License. Licensor hereby grants to Licensee the right and license (the "License") for Licensee and its contractor(s) (hereinafter "Contractor") to enter onto the Premises for the purpose of installing groundwater monitoring wells and quarterly sampling/monthly gauging of said wells with respect to that portion of the Premises described on Exhibit B (the "Work"). The License shall include rights of ingress and egress over the Premises as necessary to perform the Work. The cost, if any, of maintaining, altering, repairing or improving the Premises so that they may accommodate the above-stated purposes shall be paid solely by Licensee. Licensee shall provide Licensor with copies of all reports prepared by Contractor and submitted to the RWQCB related to the Work.

2. Non-Interference with Licensor's Business. Licensee and Contractor shall schedule and perform the Work so as to minimize potential interference with Licensor's business activities at the Premises. Notwithstanding any schedule, whether attached hereto or

later provided or amended, Licensee understands that Licensor's business activities at the Premises include the operation of an electron microscope and other equipment which is extremely sensitive to vibration. During the course of the performance of the Work, it may become necessary from time to time for Licensor to operate this equipment free from vibration for certain periods of time. In such event, Licensor shall notify Licensee, in a reasonably timely basis, as to its requirements for reasonable changes to the schedule and Licensee shall direct its contractor to comply with such schedule adjustments.

3. Term. The License shall be effective from June 1, 1993, to and including, May 30, 1994, and shall be renewable by mutual consent of parties on an annual basis for five (5) successive one year periods ending May 30, 1998. Following well installation, Licensee shall remove all drilling equipment at its sole cost and expense and shall repair any damage or injury to the Premises, its improvements or landscaping caused thereby.

4. Repair of Damage and Indemnification. Licensee shall repair any damage or destruction to the Premises, landscaping or the improvements located thereon resulting from the Work. Licensee shall indemnify, protect, defend and hold Licensor and their agents and employees, harmless against any and all claims, liabilities, losses, costs, causes of action, damages or expenses, including reasonable attorneys' fees, for injuries to persons or damage to property caused by Licensee's negligence in performance of the Work. At the conclusion of the monitoring program or usefulness of the groundwater wells, wells will be properly abandoned according to Regional Water Quality Control Board procedures at Licensee's expense.

5. Compliance With Law. Licensee and Contractor shall comply with all laws, ordinances, rules and regulations of all federal, state and municipal governments and appropriate departments, commissions, boards and officers, thereof related to this License and the Work performed hereunder.

6. Licensed Contractors Only. The Contractor shall be qualified and duly licensed by the State of California to perform the Work and shall be approved by Licensor, which approvals shall not be unreasonably withheld. Licensor hereby approves the use of Groundwater Technology, Inc. as a Contractor of Licensee.

7. Completeness. This Agreement embodies the entire understanding of the parties and there are no further or other agreements or understandings, written or oral, in effect between the parties, relating to the subject matter hereof. This instrument may be amended or modified only by a written document executed by the parties hereto.

8. Governing Law. This Agreement shall be governed by, construed, and enforced in accordance with the laws of the State of California.

9. Licensee Has No Interest or Estate. Licensee expressly agrees that it does not and shall not claim at any time any interest or estate of any kind or extent whatsoever in the Premises, by virtue of the rights granted under this Agreement or Licensee's occupancy or use under this Agreement.

10. Captions. The captions and prefatory language of this Agreement are for reference only, and are not to be construed in any way as a part of this Agreement.

11. Counterparts. This Agreement may be executed in any number of counterparts, each of which shall be deemed an original, but all of which shall constitute one and the same instrument.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the day and year first above written.

LICENSEE:

ALLIEDSIGNAL INC.
a Delaware corporation

By: Nancy R. Gitten

Its: Environmental Project Engineer

LICENSOR:

KAISER FOUNDATION HEALTH PLAN, INC.
a California Non-profit Public
Benefit Corporation

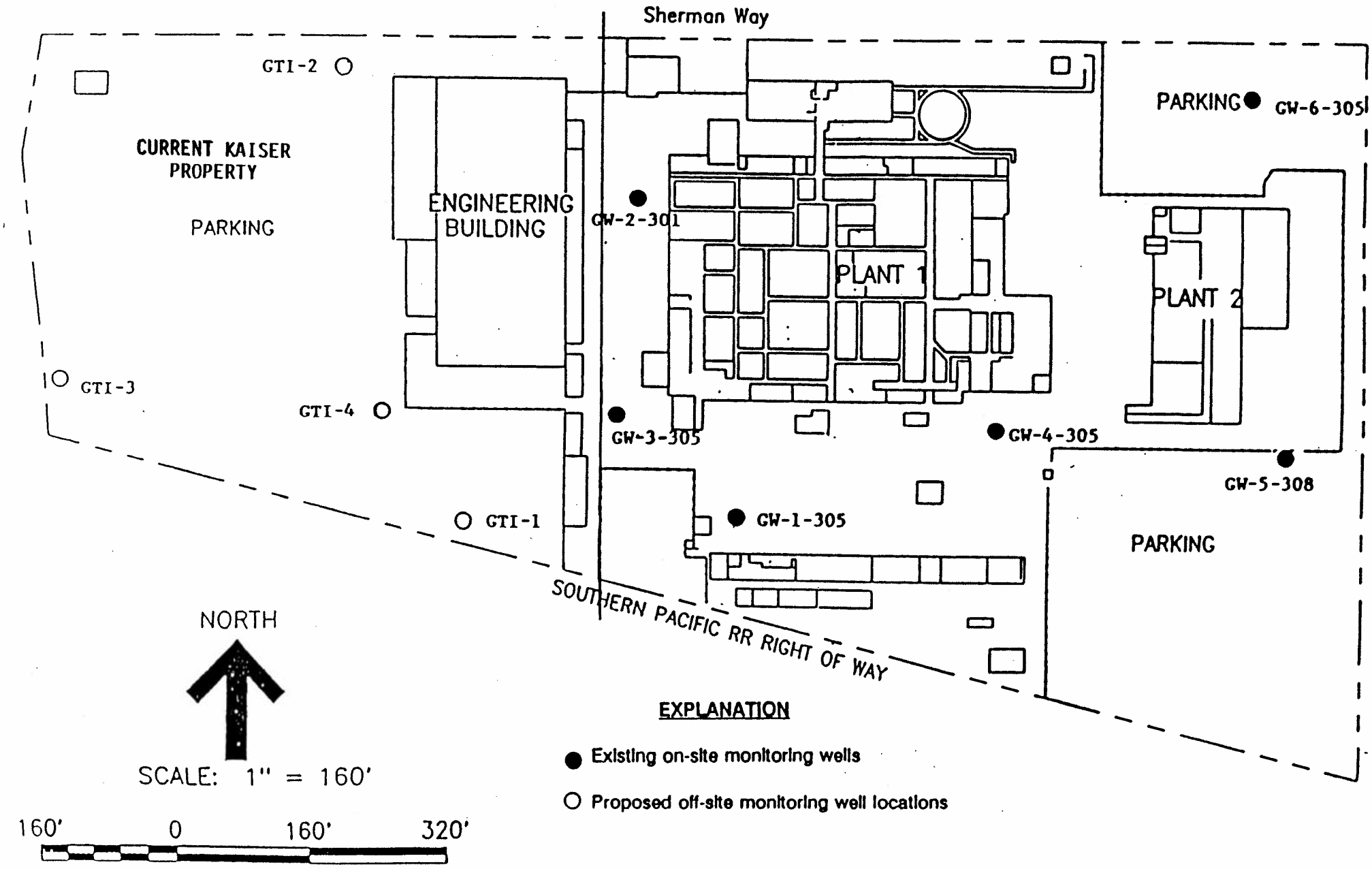
By: [illegible]

Its: Vice President, [illegible]

kjb93149.agt

(06/08/93 10:30am)

ALLIED SIGNAL AEROSPACE
North Hollywood Site Plan
(Prior to Sale of Western Parcel)



KP-EPA000315

KAISER PERMANENTE
Southern California Region
Property Acquisition Department

FACSIMILE COVER LETTER

To:	Barry Foose
Company:	Sherman Way Lab
Phone:	
Fax:	8-397-6913
From:	Jeffrey Lambert, AICP
Company:	Kaiser Permanente
Phone:	(818) 405-3099
Fax:	(818) 405-6571
DATE:	**August 25, 1995**
Pages including this cover page:	
COMMENTS:	Barry, attached is the information I spoke about this morning.

014527

LeROY CRANDALL AND ASSOCIATES Geotechnical Consultants • One of the Law Companies

900 Grand Central Avenue, Glendale, California 91201-3009, Phone (818) 243-4140, Fax (818) 246-4308

Offices: Glendale • Anaheim • Marina del Rey • San Diego

August 8, 1989

Kaiser Permanente
Kaiser Foundation Health Plan, Inc.
Walnut Center
393 Walnut Street, Fifth Floor
Pasadena, California 91188

(LCA L89345.AEFO)

Attention: Mr. Wm. M. Hamilton
Propery Acquisition

Gentlemen:

Our "Report of Preliminary Geotechnical Investigation and Environmental Site Assessment, Proposed Site Purchase, Lankershim Boulevard and Sherman Way, Los Angeles, California, for Kaiser Permanente" is herewith submitted. The scope of the investigation was planned in collaboration with Mr. Wm. M. Hamilton of your staff.

The results of our preliminary study are presented in the report. More comprehensive studies should be performed when the building plans are finalized. Should you have any questions regarding this report, or if we can be of further service to you on this phase of the project, please do not hesitate to contact us.

Respectfully submitted,

LeROY CRANDALL AND ASSOCIATES

Ebrahim Simantob
Project Engineer

Timothy P. Latiolait, C.E.G. 1140
Project Engineering Geologist

P. A. Maljian
Director of Engineering Services
Vice President

R3/kg
(6 copies submitted)

REGISTERED PROFESSIONAL ENGINEER
EBRAHIM SIMANTOB
NO. 42970
Exp. 3-31-92
CIVIL
STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
P. A. MALJIAN
No. 558
Exp. 3-31-93
GEOTECHNICAL
STATE OF CALIFORNIA

014528

1.0 SUMMARY

Kaiser Permanente is planning a two-story medical laboratory building on the property located at the southeast corner of Lankershim Boulevard and Sherman Way. The existing building and annex on-site will be utilized as part of the new medical facility.

This preliminary study indicates that there are no known geologic or soil conditions which would prevent the development of the property as planned. There are no known faults passing through or immediately adjacent to the site, and the site appears as safe, with respect to geologic and seismic hazards, as any within the general area. Our preliminary environmental assessment of the site did not reveal any evidence of surface or subsurface contamination that would require mitigation.

Backfill occurs in the southeasterly corner of the site where former underground tanks were removed; fill soils also occur elsewhere on the site. The natural soils beneath the site consist of medium dense to dense sand and silty sand containing varying amounts of gravel and cobbles. The proposed building may be supported on spread footings established in the dense natural soils. Deep spread footings or drilled-and-belled caissons could be used to reach the dense soils in the deeper fill area. With proper grading of the site, which will involve removal and compaction of the existing fill soils, footings could be established in either properly compacted fill or the natural soils and designed for a lesser bearing value.

5.0 PRELIMINARY ENVIRONMENTAL SITE ASSESSMENT

5.1 METHODOLOGY

The preliminary environmental site assessment included a site visit and a review of the site history to develop an opinion regarding the potential for environmental impairment of the subject property. Samples from our foundation investigation were monitored with a photoionization detector (PID) for the presence of volatile organic constituents which might be indicative of subsurface contamination.

The site visit included a walk-over to identify existing conditions and to observe indications of potential contamination sources from current or past site use. Our site visit did not include a detailed interior building inspection or services related to asbestos.

Our site history review included an examination of building permits at the City of Los Angeles Department of Building and Safety. We reviewed historic Sanborn Fire Insurance Maps for additional site use information. Los Angeles City Fire Department records were also reviewed for permits regarding the installation and/or abandonment of underground fuel and chemical tanks.

The California Office of Permit Assistance (OPA) Hazardous Waste and Substance Site List was checked for reports of any hazardous material releases within the site vicinity. Records from the California Regional Quality Control Board (RWQCB) were examined for listed releases of hazardous substances from underground storage tanks on, or near the site.

The CERCLIS and RCRA Lists compiled by the United States Environmental Protection Agency were also reviewed. The CERCLIS List identifies hazardous waste sites that have been listed for possible Superfund allocations. The RCRA List identifies businesses that

have sites of contamination or businesses that generated, treated, stored, or disposed of hazardous materials.

Maps and records from the California State Division of Oil and Gas (DOG) were examined for the locations of former and present oil and gas wells which might impact the site.

Aerial photographs from the Spence Collection at UCLA were also examined to help delineate the historical development of the area.

5.2 SITE VISIT

A Home Savings Bank building occupies the eastern portion of the site. The remainder of the site is predominantly covered by asphalt. The asphalt appears fresh indicating recent resurfacing. The remaining portion of the site is occupied by areas landscaped with trees, shrubbery and grass.

A storage house is located in the northwest corner of the site. Two areas of underground tanks were also observed at the site. A former gasoline service station is located in the southeast corner of the property along the west side of an existing automobile service garage as shown on Plate 3, Site Plan. The second area of underground tanks occurs in the central portion of the property, just west of the main building where two 6,000-gallon underground diesel-fuel tanks are located. No evidence of soil contamination such as soil discoloration, staining, distressed vegetation, or unusual odors were noted during our walk-over.

An interior building inspection and work related to asbestos was not within our scope of work; however, we visited the generator room and adjacent transformer network inside the main bank building. Both areas have concrete floors and appeared clean and well

maintained. No evidence of leaking insulating fluids were noted on the transformers. The remainder of the building complex was not inspected due to security reasons. According to Mr. Bill Horsey, who provided a tour of the building, the remaining portions of the building contain only computer equipment; no areas of chemical storage or other sources of contamination are present. The storage house reportedly contains only non-hazardous maintenance supplies.

Site use surrounding the property is primarily commercial and industrial, consisting of retail stores, warehouses, office buildings, and light manufacturing. Bendix Incorporated, which manufactures hydraulic and pneumatic valves for the aerospace industry, borders the site to the east. Prominent oil stains were observed locally at the Bendix site.

5.3 SOIL MONITORING

Soil samples from the foundation investigation were monitored for the presence of volatile organic constituents using a photoionization detector (PID). No elevated levels of volatile constituents were found in any of the samples. Furthermore, no soil staining or odors were observed.

Two borings were drilled specifically to test the previous tank sites in the southeast corner of the property. Fill material composed of silty sand occurred to a depth of 14 feet, verifying the location of previous tanks. The absence of soil discoloration, noticeable odors, or high PID readings indicate that there is little likelihood that the previous underground tanks had leaked.

5.4 RECORDS SEARCH

5.4.1 Building Records

Occupancy and building permits at the Los Angeles Building and Safety Department were examined in an attempt to determine previous site use on and adjacent to the subject property. Building permits for the site confirm the general use of the building as an office from 1974 to the present. The only permit found in our record search indicative of a potential environmental concern at the site was for a fleet maintenance building issued in 1974. The original building permits for the current buildings were not found in the city files.

The Bendix property immediately to the east of the site, had permits listed for numerous facilities which indicated a potential environmental concern. According to permits in 1942 and 1949, machine shops were added. A building for flammable liquid storage was constructed in 1951; in 1958, an auto garage was constructed.

Based upon a review of building permits, various businesses which may have used or stored toxic or hazardous materials were also present in the site vicinity. These businesses are summarized in Table 1 and shown on Plate 3.

TABLE 1

Address	Business	Year Noted On Permit Records Search
7201 Lankershim	Gas station	1952
7202 Lankershim	Gas station	1942
7205 Lankershim	Auto garage	1953
11649 Sherman Way	Print shop	1964
11637 Sherman Way	Auto repair	1958

5.4.2 Sanborn Maps

We also examined historic fire insurance risk evaluation maps compiled by the Sanborn Map Company. Maps covering this portion of Los Angeles, however, were not available.

5.4.3 Fire Department Records

Records from the Los Angeles Fire Department pertaining to underground tank storage at and adjacent to the site were reviewed. According to available records, a 1,000-gallon underground tank was removed from the property on January 17, 1987 and two 6,000-gallon double-walled fiberglass diesel fuel tanks were installed in its place. These tanks were tested for leaks on July 8, 1987 by Precision Testing, Inc. Both tanks passed the precision test. No signs of leaks, soil contamination or odors were reported. A soil sample analyzed from underneath the removed tank showed no detectable levels of diesel fuel hydrocarbons (<30 mg/kg) at the time of the removal.

On September 27, 1988, four tanks were removed from the southwest corner of the Home Savings site. Testing of the soil beneath the removed tanks was performed by Terra Tech and disclosed no detectable concentrations of petroleum or aromatic hydrocarbons beneath the fuel tanks. A trace of total recoverable hydrocarbons (12.1 mg/kg) was detected beneath the waste oil tank. This low concentration is below acceptable levels and is not considered significant.

The fire department records indicate that several underground tanks have been removed at the Bendix site east of the property. A 2,000-gallon underground tank, which was used to hold cutting oil, was removed in April 1985. Soil contamination was observed during removal of this tank. Further testing revealed contaminated soil around the tank site. All contaminated soil was removed and transported to a Class I landfill by December 30, 1988. No further problems have been reported.

5.4.4 Hazardous Waste and Substance Site List

The Hazardous Waste and Substance Site List is compiled by the California Office of Permit Assistance (OPA) from data supplied by the Department of Health Services, the State Water Resource Control Board, and the California Waste Management Board. The site does not appear on the June 1989 OPA List. The nearest listed site is Bendix, Inc. located adjacent to the property. The next closest site is Thrifty gas station #016 located at 6800 Lankershim Boulevard, approximately 2,500 feet south of the site.

Four landfills occur within a one mile radius of the site (see Plate 2, Local Geology). These landfills are not located close enough to the site to be of environmental concern.

5.4.5 State Water Resources Control Board

Review of the 1989 report on Releases of Hazardous Substances from underground storage tanks compiled by the State Water Resources Control Board was also reviewed. The report identified two facilities near the site. The first site is the Bendix property identified on the OPA List. This report lists the Bendix site as having soil contamination adjacent to underground waste oil/solvent tanks.

The second site, Fortan Industries, is located at 11921 Sherman Way, approximately 1,500 feet west of the site. Waste oil was also found at this site. The current site status is listed as closed, meaning the problem was mitigated.

5.4.6 Regional Water Quality Control Board

Records from the Regional Water Quality Control Board (RWQCB) were reviewed to define the status of contaminant monitoring and cleanup at the Bendix site. Records indicate that a ground water well was installed by Leighton and Associates in July 1987 to determine if ground water had been impacted from leaking underground oil tanks. According to Al Novak at the RWQCB, ground water had not been affected and the Bendix site is now clean.

5.4.7 Environmental Protection Agency

The Environmental Protection Agency (EPA) maintains two sets of computerized data bases. The first list is the Comprehensive Environmental Response Compensation on Liability System (CERCLIS) List. This list identifies potential hazardous waste sites that may require remediation. The site does not appear on the list as of April 17, 1989. The only facility listed in the immediate area is Nickel Solution Recycling located at 11940 Sherman Way, approximately 1,800 feet west of the property.

The second EPA data base file is the Resource Conservation and Recovery Act (RCRA) List which lists businesses that store, use, and/or generate hazardous or toxic substances. The Home Savings site does not appear on this list. Nearby businesses that appear on the list include: Bendix at 11600 Sherman Way, Beverly Hills Transfer at 7335 Lankershim Boulevard (approximately three blocks north of the site), Stuart Dean of California at 11823 Sherman Way, and Valley Friction Materials at 11817 Sherman Way (both approximately one block west of the site).

5.4.8 California Division of Oil and Gas

The State of California Division of Oil and Gas Regional Wildcat Map Sheet W1-2 (1988) was examined to locate gas or oil wells on or adjacent to the site. No wells are depicted at the site. The nearest well is approximately one mile south of the property.

5.4.9 Spence Aerial Photographs

The Spence Aerial Photograph collection at UCLA was reviewed to determine past site usage. Coverage of the site was found on photographs from 1922 through 1969.

In the early 1920s, the aerial photographs indicate that the area was primarily farmland containing fields and planted crops.

By 1946, development of the area included a house on the northwest corner of the property. The property appears to have been used for farming purposes. Across Sherman Way, a gas station appears on the northeast corner of Lankershim Boulevard and Sherman Way (see Plate 4A). Small structures aligned east-west across the property were present and may have been used for chicken coops or other similar use. What appears as stacked hay bales are present in the northeast corner of the property in the same photo.

In 1958, the Home Savings office building was present. An aerial photograph taken in 1969 (see Plate 4B), shows the area almost as it appears today. The open areas north of Sherman Way and east of Lankershim were occupied by apartment buildings. The area south of the site had been developed with various industrial facilities.

5.5 CONCLUSIONS

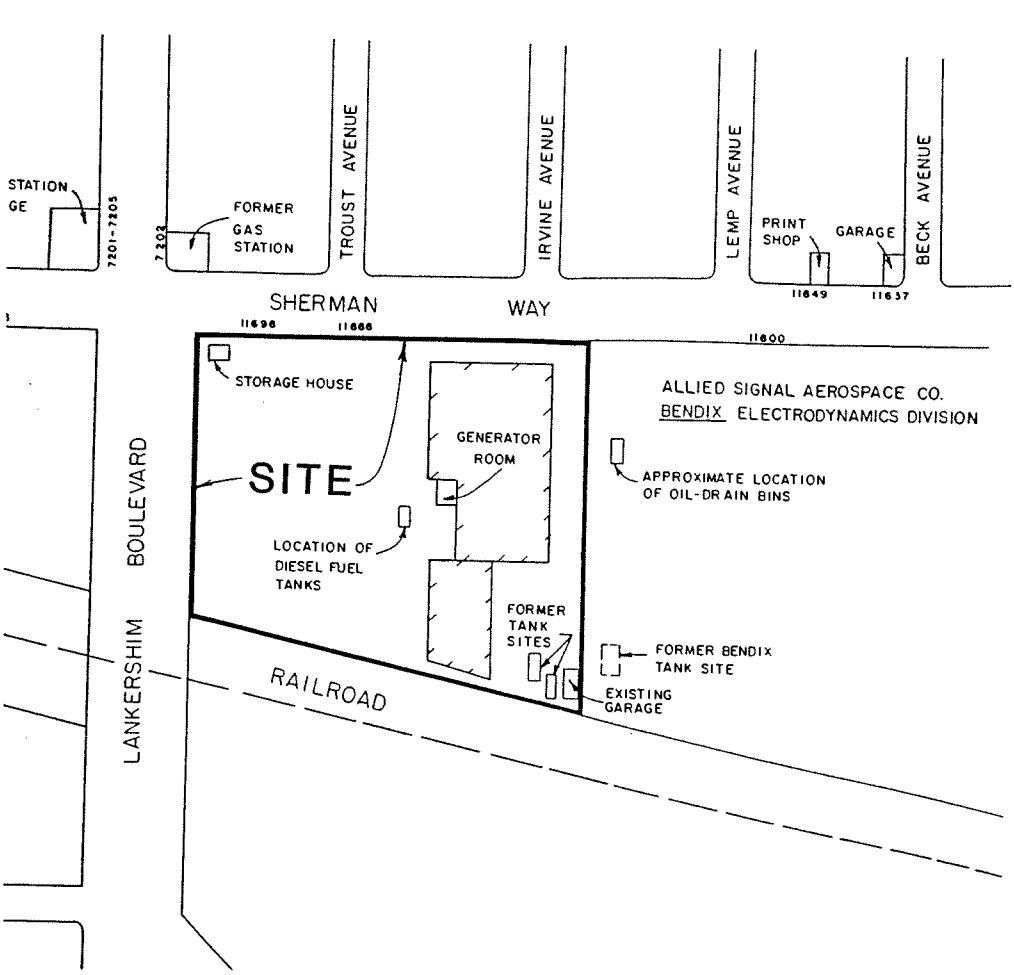
Based on the findings of this investigation, there appears to be only a slight potential for possible environmental impairment at the site.

The soil cuttings and samples obtained from our borings did not appear discolored or contain any unusual odors indicative of contamination. Monitoring of the soil samples using a photoionization detector did not indicate elevated levels of volatile organic compounds. Two of the borings were drilled in the former underground tank area and accordingly, the potential for significant contamination beneath the site is considered remote.

Records from the Los Angeles Fire Department indicate that the two existing 6,000-gallon diesel fuel tanks were installed in 1987. According to the records, the tanks were certified as tight by precision tests performed at the time of installation. Based upon those tests and the relative age of the tanks, the potential for significant contamination from these tanks is also considered remote.

Various county, state and federal lists identifying hazardous waste sites were reviewed as part of this investigation. The site was not identified on any of these lists. The only listing near the property is the adjacent Bendix site.

The Bendix property located just east of the site has been identified as having soil contamination problems. Several assessment investigations have been performed for the site. No known ground water contamination has resulted. Based on information obtained from the California Regional Water Quality Control Board, it appears unlikely that the Bendix site would affect the subject property.



REFERENCE:
L.A. CITY DEPT OF ENGINEERING
PLOT MAPS, 1974

SITE PLAN

SCALE 1" = 200'

LeROY CRANDALL AND ASSOCIATES

PLATE 3

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DESCRIPTION OF KAISER PERMANENTE SOUTHERN CALIFORNIA PERMANENTE MEDICAL GROUP REGIONAL REFERENCE LABORATORIES

The Southern California Permanente Medical Group Regional Reference Laboratories serves as a centralized clinical testing facility for processing of clinical laboratory tests for all of Southern California's Kaiser Permanente Medical Center and Medical Office buildings. It functions as a branch of the Regional Office operations.

The Regional Laboratory system consists of 16 separate departments in two locations. The primary facility known as the Sherman Way complex is located on approximately 8 acres in the north San Fernando Valley area of North Hollywood. Additional laboratory operations are located in the city of Los Angeles bordering the cities of Glendale and Burbank.

The primary responsibility for providing direction for all laboratory services is delegated to:

Assistant to Associate Medical Director
Director of Regional Laboratories - Ann Vannier, MD

Manager of Regional Reference Laboratories – Brenton Fratzke, CLS

ADMINISTRATION

a. Laboratory Leadership & Administration – 2nd floor West Building
b. Laboratory Quality Assurance - 2nd floor West Building
c. Administrative Secretarial and clerical support - 2nd floor West Building

FINANCIAL & BUSINESS SERVICES

a.. Business Services - 2nd floor West Building
b. Material Management – Ground Floor West Building

SUPPORT SERVICES

a. Client Service Center – 2nd Floor East Building
   The Client Services department serves as a key contact and liaison between the testing departments and the clients that they serve. This department is responsible for notification of STAT or abnormal and critical value test results and data collection for quality and statistical analysis. A primary function is to provide direct client inquiry management and problem resolution
b. Environmental Services – Ground Floor West Building

The EVS department serves in a maintenance capacity providing quality environmental services including laundry, housekeeping and infectious waste management throughout the facility.

c. Education & Training – 2nd Floor West and East Building
This department manages all aspects of professional and technical training for laboratory staff.

d. Specimen Processing – Ground Floor West Building
This department performs receipt and acknowledgement functions for clinical tests arriving from the Medical Centers and manages all pre-analytical aspects before transfer to the testing departments.

e. Environmental Health & Safety – 2nd Floor East Building
This department is responsible for managing programs related to environmental compliance, worker safety, health and wellness, as well as occupational injury management. It also oversees Emergency/Disaster Management for the laboratory system.

f. Solutions Preparation – Ground Floor West Building
This department prepares and distributes chemical solutions used in laboratory testing and is responsible for management of hazardous waste throughout the Regional Laboratory system.

FACILITY SERVICES

a. Engineering - 1st Floor East Building
This department manages the facility infrastructure and services in order to maintain operational status.

b. Construction – 1st Floor East Building
This department manages all remodel and building projects related to the operations at the facility.

c. Security – 1st Floor East Building
This department monitors security processes at this facility and maintains surveillance of both internal and external environments.

LABORATORY INSTRUMENTATION - 1ST Floor East Building

This department services, repairs and maintains all laboratory Instruments utilized at each of the Medical Center labs, Medical Office Building labs and Regional Reference Lab departments throughout Southern California.

LABORATORY MANAGEMENT SYSTEMS - Ground Floor West Building

This department manages all computer system related testing functions and reporting for Kaiser's laboratory operations.

CHEMISTRY TESTING SERVICES

a. Chemistry/Endocrinology Department - 2nd Floor West Building
This Department performs all routine Chemistry and Endocrinology testing including:
   1. Manual Chemistry
   2. Enzyme Analysis
   3. End Point Chemistry
   4. Peritoneal Screening
   5. Reproductive health & fertility screening and monitoring
   6. Protein tumor marker assay

b. Special Chemistry Department – 2nd Floor West Building
This department provides specialized non-routine chemistry testing including:
   1. Toxicology
   2. Atomic Absorption
   3. Electrophoresis
   4. Metabolic LS

c. Special Coagulation - Ground Floor West Building
This department performs routine and specialized coagulation testing.

MICROBIOLOGY TESTING SERVICES

a. Bacteriology Department – 1st Floor West Building
This department is divided into the following technical sections:
   1. Routine Bacteriology
   2. Blood Cultures
   3. Ova & Parasitology
   4. Mycology
   5. Anaerobic Bacteriology
   6. Mycobacteriology

b. Immunology Department - 2nd Floor East Building
This department performs all serological testing including:
   1. Blood Bank
   2. Syphilis testing
   3. HIV testing
   4. HTLV1 testing
   5. Rubeola testing
   6. Rubella testing
   7. Fluorescence
   8. Molecular testing

c. Virology Department - 1st Floor West Building
This department performs all viral, chlamydial and mycoplasmal testing including:
   1. Enzyme Immuno-Assay
   2. Fluorescent Assay
   3. DNA Probe
   4. Technical microscopy

CYTOPATHOLOGY TESTING SERVIC

a. Cytology Department - 1st and 2nd Floor East Building
This department performs all cytological processing and microscopic screening for the region.

HISTOPATHOLOGY TESTING SERVICES

a. Histtology Department - 2nd Floor West Building
This department performs all routine histological processing, special stains and immunoperoxidase studies for the region.

S C P M G

LABNET

KAISER PERMANENTE.

Regional Referen Laboratories

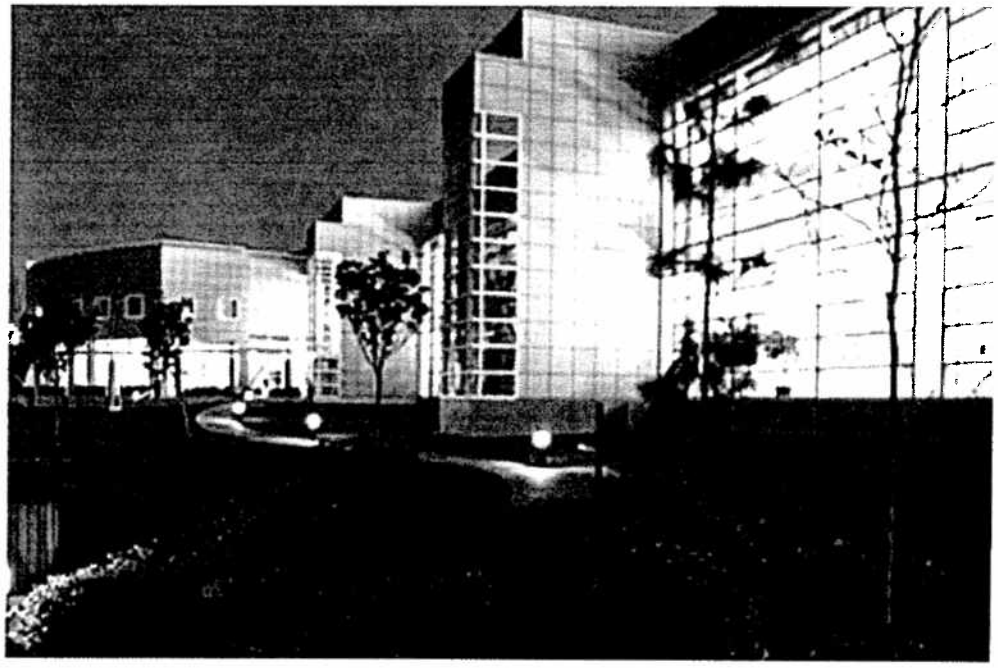
Pathology & Laboratory Medicine

EXECUTIVE SUMMARY

A trend-setter in the clinical laboratory field, the Southern California Permanente Medical Group's Regional Reference Laboratories define integration and centralization of services with remarkable achievements in quality, service and cost.

Our promise:

- Exceed customer expectations
- Effectively establish physician partnerships and link services to patients, health care givers, hospitals and health plans
- Create economies of scale
- Continually improve performance through clinical excellence and innovation, education, training and consultative support
- Provide leadership to the clinical laboratory community through teaching, lectures, contributions to scientific journals, and sponsorship of student programs
- A partner, working together to deliver health care efficiently, reliably and affordably ...more



At a glance...

- Over 17 million tests performed annually
- Perform clinical laboratory testing and anatomic pathology for 2.9 million Kaiser Permanente Health Plan members
- Sophisticated laboratory management system interfaced with Kaiser Permanente's 12 medical centers and 85 medical office buildings
- State-of-the-art instrumentation and methodologies

Our first priority...

is recognizing that the needs of our clients must be met.

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Executive Summary
Leadership Team
Testing Departments
Support Services
Client Service Center
e-Policies & Procedures
Regional Courier
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KP WEB LINKS
Clinical Library
SCPMG Clinical Practice Guidelines
SCPMG Physician
SCPMG Physician KPID

EXTERNAL WEB LINKS
Lexi-Comp Online

We strive to accomplish this through superior levels of service, unparalleled quality in testing practices, appropriate turnaround times, prompt problem resolution, and aggressive response to the needs of our clients.

The Laboratories' Leadership Team...

is committed to the development of our greatest resource...our people.

We continue our leadership role in the field of clinical laboratory science through our strong commitment to utilizing the creative talents of our staff.

Clinical Excellence...

Fully accredited by the College of American Pathologists

Licensed by the State of California Department of Health Services to perform clinical assays

Licensed by the Department of Health and Human Services Centers for Medicare and Medicaid Services under the Clinical Laboratory Improvement Amendmentsof 1988

Licensed by the Federal Drug Administration Bureau of Biologics and inspected by the American Association of Blood Banks for handling of blood components

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LEADERSHIP

Ann M. Vannier, MD
Medical Director

Dr. Vannier graduated from Washington University School of Medicine in St. Louis, Missouri; completed residency training in the Division of Laboratory Medicine at Barnes Hospital, Washington University School of Medicine; and is board-certified in Clinical Pathology. Professional affiliations include the Academy of Clinical and Laboratory Physicians and Scientists, American Society for Clinical Pathologists, American Society for Microbiology, College of American Pathologists and the American Association of Blood Banks.

Before joining Kaiser Permanente, she served as Director of Clinical Microbiology and Clinical Immunology Laboratories and Assistant Professor of Pathology at the University of Arkansas for Medical Sciences, and held research positions at the St. Louis University School of Medicine and the University of Kentucky College of Medicine.

As the Director of Microbiology for the SCPMG Regional Reference Laboratories from 1992-2004, Dr. Vannier played a pivotal role in the effective management of infectious disease throughout the region.

She is an active member of several Kaiser Permanente leadership committees, including the Regional Laboratory and Infectious Disease Committee, the Bioterrorism Clinical Workgroup, the HPV/Cervical Cancer Screening Taskforce and the Regional Laboratory Utilization Action Committee

Brenton K. Fratzke
Manager, Regional Reference Laboratories

Mr. Fratzke is responsible for the day-to-day management of the SCPMG Regional Reference Laboratories; and serves as Laboratory Manager for the Special Coagulation Department.

He began his career as a Clinical Laboratory Scientist at Los Angeles County USC Medical Center. Prior to joining the SCPMG Regional Reference Laboratories, he worked as a Laboratory Supervisor, Laboratory Information Systems Coordinator and Area Laboratory Manager at community hospital and SCPMG medical center locations. Degrees include a Bachelor of Science in Microbiology, Master of Science in Biological Sciences and Master of Business Administration.

Mr. Fratzke is co-chair of the Laboratory Operations Committee and a member of the Laboratory Functional Group for National Purchasing. He has primary responsibility for planning and implementing changes that must occur to meet the needs of our membership and our organization as we go forward, and actively supports further development of the Labor Management Partnership (LMP) in all activities of the Regional Reference Laboratories. .

SCIENTIFIC TEAM

Darryl E. Palmer-Toy, MD, PhD
Director of Chemistry

Dr. Palmer-Toy is a San Francisco native with undergraduate degrees from MIT (Biology, Physics) and graduate degrees from UC San Diego (Medicine, Physics). He trained as an Anatomic and Clinical Pathology Resident and Clinical Chemistry Fellow at Massachusetts General Hospital. He has served on the faculties of Harvard Medical School and Johns Hopkins University, where he was the Director of Satellite Laboratories. He has research interests in biomarker discovery using proteomics and metabolomics. He has also written and lectured on numerous aspects of laboratory medicine.

Dr. Palmer-Toy now serves as Director of Chemistry at the Regional Reference Laboratories. He also serves on the SCPMG Laboratory Operations Committee (Quality Subcommittee) and the College of American Pathologists Therapeutic Drug Monitoring / Endocrinology Resource Committee. Please contact him with any compliments or concerns regarding Chemistry, Special Chemistry or Endocrinology Services at the Regional Laboratories.

Mehdi R. Jamehdor, MD
Director of Genetic Testing

Dr. Jamehdor graduated from Tabriz University School of Medicine, and completed a residency program in pediatrics and a fellowship in Genetics and Metabolism at Cook County Children's Hospital, Chicago. He is licensed by the State of California in Medicine, as a Clinical Cytogeneticist Director, and as a Clinical Genetic Molecular Biology Director. He is a diplomate of the American Boards of Pediatrics, Genetics and Clinical Cytogenetics.

In addition to his work as Director of the SCPMG Regional Reference Laboratories' Genetic Testing Department, Dr. Jamehdor serves as Associate Clinical Professor of Pediatrics/Genetics at the UCLA School of Medicine and as Clinical Cytogeneticist/Molecular Geneticist at the SCPMG Los Angeles Medical Center. He is a member of the SCPMG Medical Genetics Advisory Council and the Advisory Committee of the Genetic Counseling Program at California State University, Northridge; and is a Special Consultant for the State of California Department of Health Services Newborn and Triple Marker Screening (NAPS) Program.

Dr. Jamehdor is a Founding Fellow of the American College of Medical Genetics, serves on the American Board of Clinical Genetics and is a member of the American Society of Human Genetics. Under his leadership, the SCPMG Regional Reference Laboratories' Genetic Testing Department continues to expand service availability for Kaiser Permanente members to encompass the most state-of-the-art esoteric testing available in this specialized field of medicine.

Masood H. Sadeghi, MD
Director of Cytopathology

After graduating from Tehran University School of Medicine, Dr. Sadeghi completed his internship and residency programs at Pittsburgh University and the Henry Ford Hospital in Detroit, Michigan. He is board-certified in anatomic pathology, clinical pathology and cytopathology; holds a certificate as Physician and Surgeon; and is a diplomate of the American Board of Pathology.

Prior to joining the SCPMG Regional Reference Laboratories in 1980, he served as Associate Pathologist and Director of Hematopathology at Sisters Hospital in Buffalo, New York, and as Clinical Assistant Professor at New York University (NYU). Dr. Sadeghi's research has led to numerous publications in the *Journal of Reproductive Medicine*, *Journal of Obstetrics and Gynecology* and *ACTA Cytologica*.

As the Director and Physician in Charge of the SCPMG Regional Reference Laboratories' Cytopathology Department, Dr. Sadeghi ensures that SCPMG healthcare providers are given accurate and timely gynecological and non-gynecological diagnostic information to assist in their

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delivery of optimal patient care.

Susan M. Novak-Weekley, PhD
Director of Microbiology

Dr. Novak-Weekley received her PhD in Microbiology and Immunology from the University of Arizona, and was awarded a Postdoctoral Fellowship in Clinical Microbiology from UCLA and West Los Angeles VA Medical Centers. She is licensed by the State of California Department of Health Services as a Clinical Microbiologist Technologist, and by the ASCP as a Specialist in Microbiology. Professional affiliations include the American Society for Microbiology, Southern California Society of Parasitologists and American Association of Blood Banks.

Prior to her tenure at the SCPMG Regional Reference Laboratories, Dr. Novak-Weekley served as Supervisor of Microbiology for Smith-Kline Beecham Clinical Laboratories. She has co-authored chapters for manuals and handbooks published by the American Society for Microbiology; articles for professional newsletters and journals; and numerous abstracts for the American Society for Microbiology, American Association of Blood Banks, Society of Protozoologists and American Society of Tropical Medicine and Hygiene. Subjects covered during presentations at professional meetings, symposia and educational events include infectious disease case studies, emergent and evolving pathogens, specimen management in clinical microbiology, and case studies in clinical microbiology and serology.

As Director of Microbiology Services at the SCPMG Regional Reference Laboratories, Dr. Novak-Weekley is responsible for the Bacteriology, Immunology and Virology Departments. Her experienced scientific staff members are dedicated to providing service of the highest quality to medical center and external clients.

Ron Edwards
Manager, Chemistry Services

As Laboratory Manager for Chemistry Services, Mr. Edwards is responsible for the Chemistry, Endocrinology and Special Chemistry & Toxicology Departments at the SCPMG Regional Reference Laboratories.

He joined Kaiser Permanente in 1956. Highlights of his tenure include work as a Clinical Laboratory Scientist in Chemistry, Bacteriology, Serology and Special Chemistry areas at the Los Angeles Medical Center. Subsequently, as a Supervisor and Manager at the Regional Reference Laboratories he effected the addition of Toxicology testing within the Special Chemistry Department, formation of the Metabolic Laboratory within Chemistry Services, and restructuring of the Instrument Services Department.

Mr. Edwards received a Bachelor of Science degree in Chemistry from UCLA and a Bachelor of Science degree in Medical Technology from California State University, Los Angeles. Professional activities include participation in the Kaiser Permanente Chemistry SST Committee and the Large Volume SST Committee.

LaRonda Frazier
Manager, Microbiology Services

Her years of substantial contributions to the success of the Regional Reference Laboratories paved the way for the selection of Ms. Frazier as Laboratory Manager for Microbiology Services.

Since joining the Regional Reference Laboratories in 1989, she has served as a Lead Clinical Laboratory Scientist, Quality Assurance Coordinator for Microbiology Services and Assistant Manager of the Immunology Department. She has also worked as liaison between the Regional Reference Laboratories and the SCPMG's Donor Centers, and as a member of the Labor/Management contract negotiating team.

In her role as Laboratory Manager, Ms. Frazier is responsible for the Bacteriology, Immunology and

Virology departments. As an active proponent of the Labor Management Partnership, Ms. Frazier has helped to develop highly motivated employees who understand the goals of the Partnership and incorporate the values of our organization into their daily work activities.

Ms. Frazier holds a Bachelor of Science degree from California Lutheran University and a Master of Science degree in Clinical Laboratory Science and Management from California State University, Dominquez Hills.

Frederick Ung
Quality Systems Leader

Mr. Ung is the SCPMG Quality Systems Leader for the Southern California Laboratory System. His primary focus is on issues related to Quality, Regulatory Compliance and Legislative Analysis, and their impact on Clinical Laboratory Operations.

He began his career with Kaiser Permanente in 1977 at the SCPMG Regional Reference Laboratories as a Clinical Laboratory Scientist in the Special Chemistry & Toxicology Department. Prior to his current role, he held positions as Supervisor of Toxicology and Quality Assurance Coordinator for the Regional Reference Laboratories.

Mr. Ung holds a Bachelor of Science degree in Clinical Sciences from California State University, Dominguez Hills, and has completed coursework toward a Master of Science degree in Quality Assurance at California State University, Dominguez Hills.

ADMINISTRATIVE TEAM

Carol Vernay
Manager, Laboratory Information Systems

Ms. Vernay manages the Laboratory Information Systems (LIS) for Southern California Kaiser Permanante. Along with her technical staff, she supports the file maintenance, testing, training, and implementation of data elements for the laboratory information infrastructure for ten Medical Center Laboratories, two Regional Reference Laboratories, and forty-seven Medical Office Building Laboratories. In addition, her team maintains the content of the SCPMG LABNET Test Menu, and coordinates the maintenance and distribution of the SCPMG Laboratory Reference Manual.

Ms. Vernay is the SCPMG Laboratory System Subject Matter Expert for HealthConnect, the new electronic medical record, and provides support for the building and implementation of this new technology within Kaiser Permanente.

Kent Cox
Manager, Laboratory Instrumentation Services

Mr. Cox is responsible for managing the service, support and life cycle of approximately 9000 pieces of laboratory equipment for the SCPMG at eleven Medical Centers, two Regional Reference Laboratories and seventy Medical Office Buildings located throughout Southern California.

He has twenty-seven years of experience in the Health Care field, covering both field service and management. He received a Bachelor of Science degree in Heath Care Administration and holds certification as a Clinical Laboratory Equipment Specialist (CLES) from the Association for the Advancement of Medical Instrumentation (AAMI).

Throughout his tenure in Laboratory Instrumentation Services, Mr. Cox has championed the department's commitment to providing a competent, reliable and timely response to each request. His team enjoys a reputation of customer-focused service excellence.

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Peter Algiers
Manager, Finance

Mr. Algiers is responsible for managing all aspects of finance for the SCPMG Regional Reference Laboratories.

In addition to providing an annual preliminary operating forecast for the coming year, he coordinates departmental resource projections and finalizes the annual budget; creates monthly financial reports for department and senior management; prepares utilization reports for regional administration; and creates analyses related to competitors, pricing of tests, and equipment purchase/lease.

Outcomes of these reports have resulted in the identification of billing errors, cost savings, understanding of utilization trends, and fact-based decisions on whether to internalize tests or refer specimens to outside facilities.

He introduced Activity Based Costing to the Regional Reference Laboratories. This state-of-the-art methodology is used to determine the cost of a company's products and/or services. A comprehensive analysis of input from all departments led to accurate calculations of cost per test, an enhanced ability to benchmark our laboratory against competitors and an accurate basis for pricing our services.

Mr. Algiers holds a Bachelor of Science degree from California State Polytechnic University, Pomona, and a Master of Business Administration degree from the UCLA Anderson School of Management.

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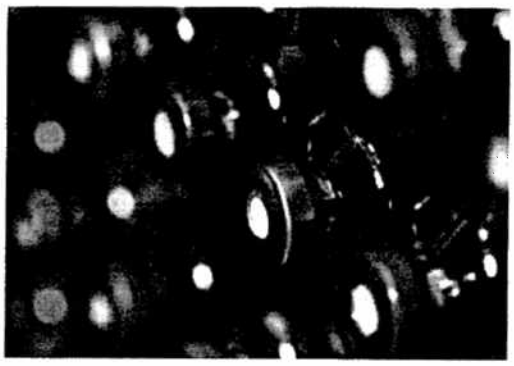

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Hours of Operation
24 hours, 7 days a week

Services

Routine Bacteriology, Mycobacteriology, Mycology and Parasitology testing for the SCPMG

Specialized testing for internal and external SCPMG clients

Highlights

Routine bacteriology testing including urine, respiratory, sterile site, stool, GC, blood and miscellaneous culture

Anaerobic culture including susceptibility testing

AFB culture using broth and conventional media

Use of selective and non-selective fungal media for complete recovery, isolation and identification of yeast and mold in clinical specimens

Ova and parasite examination on stool using trichrome smear and wet mount of concentrated specimen; identification of Microsporidia, Cyclospora, Cryptosporidium and Isospora; limited arthropod identification with confirmatory testing performed at local public health departments

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  - Genetic Testing
  - Histopathology
  - Immunology
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  - Special Coagulation
  - Virology
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- Regional Courier
- NEWS4U

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- Genetic Testing Requisition Cytogenetics
- Solutions
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- STAT Alert - Other
- Test Addition/Deletion
- Transport Supplies

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- Education & Development
- Laboratory Instrumentation
- Medical Center Laboratories
- Point of Care
- Quality Assurance & Compli
- Regional Reference Laborat
- VIP Profiles

PUBLICATIONS
- Lab Matters Newsletter

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KAISER PERMANENTE.

Regional Referen
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Pathology & Laboratory Medicine

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Marilyn S. Powers, MS, CLS
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Hours of Operation
24 hours, 7 days a week

Services

Centralized chemistry testing for the SCPMG

Specialized panels of tests (e.g. Diabetes Panel, Health Appraisal Panel)

Highlights

Consults, partners and collaborates with Cardiologists, Endocrinologists, Nephrologists, Urologists and other specialists

Works with AACC, CAP, CLMA and NCCLS on data collection and analysis, developing guidelines, reviewing clinical usefulness and utilization of tests and implementing new methodologies

Participates in CAP, CDC Round Robin, and SCPMG Inter-Laboratory Comparison Testing proficiency testing programs

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Hours of Operation
Monday - Friday: 4:00 a.m. - 6:00 p.m.
Saturday: 4:00 a.m. - 4:30 p.m.
Closed Sunday and Holidays

Services
Centralized cytology testing for the SCPMG

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ENDOCRINOLOGY

Director of Chemistry
Darryl E. Palmer-Toy, MD, PhD
818.503.7028, tie line 397

Manager
Ron Edwards, BS, CLS
818.503.6824, tie line 397

Assistant Manager
Mary Anne Umekubo, MS, CLS, CLS (NCA)
818.503.6572, tie line 397

Supervisor
Chiemi Tabata, BS, CLS
818.503.6932, tie line 397

Hours of Operation
Monday - Friday: 7:30 a.m. - 12:30 a.m.
Saturday - Sunday: 7:00 a.m. - 3:30 p.m.
Holidays: 7:00 a.m. - 3:30 p.m.

Services
- Centralized endocrinology testing for the SCPMG

Highlights

Consults, partners and collaborates with Endocrinologists and Pharmacists to develop guidelines for clinical testing protocols, identify and recommend new test procedures, identify and eliminate obsolete tests and assure that tests are clinically relevant

Works with the SCPMG OB/GYN physicians to assess, treat and monitor reproductive health including fertility

Provides protein tumor marker assay results to a Tumor Registry for use in correlating the outcomes of cancer patients on various treatment protocols; ongoing studies will furnish important information toward designing protocols that will yield the greatest potential success in treatment

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HISTOPATHOLOGY

Director of Immunohistochemistry
Ren Ridolfi, MD
818.503.5831, tie line 397

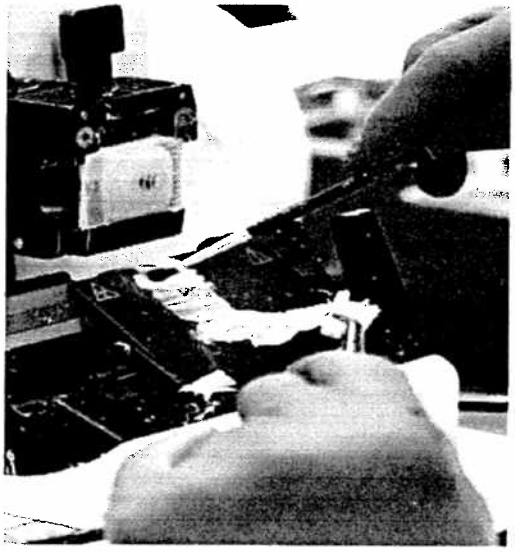
Manager
Peter Algiers, BS, MBA
818.503.686

Assistant Manager
Ron Advincula
818.503.6807, tie line 397

Supervisors
Juanita Brody, HT (ASCP)
818.503.6823, tie line 397
Brenda Cover, BS, HTL (ASCP)
818.503.6724, tie line 397
Mary Clark, HT (ASCP)
818.503.6725, tie line 397

Hours of Operation
Monday - Friday: 24 hours
Saturday: Closed after 1:30 p.m.
Sunday: Closed until 7:00 p.m.
Closed Holidays

Services
Centralized histopathology processing for the SCPMG



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IMMUNOLOGY

Director, Microbiology Services
Susan Novak-Weekley, PhD, S(M)ASCP
818.503.6884, tie line 397

Manager
LaRonda Frazier, MS, CLS
818.503.6646

Assistant Manager
[vacant]

Supervisors
Rhonda Finney, BA, BS, CLS, MT(ASCP)
818.503.6819, tie line 397
Qiyamaa Mustafa, MS, CLS, MT (ASCP)
818.503.6846, tie line 397

Hours of Operation
Monday - Friday: 6:00 a.m. - 5:30 p.m.
Saturday: 6:00 a.m. - 4:30 p.m.
Closed Sunday and Holidays

Services

Autoimmune and infectious disease serologic testing for the SCPMG

Specialized infectious disease serologic testing for fertility, bone marrow transplant and other transplant patients

Pre-employment serologic testing on new hires (Employee Health Immune Profile)

Molecular testing: Qualitative and quantitative Hepatitis C Virus (HCV) and Human Immunodeficiency Virus (HIV)

Highlights

Participates in proficiency testing surveys conducted by CAP and the CDC

Participates in region wide blind study testing surveys

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SPECIAL CHEMISTRY AND TOXICOLOGY

Director of Chemistry
Darryl E. Palmer-Toy, MD, PhD
818.503.7028, tie line 397

Manager
Ron Edwards, BS, CLS
818.503.6824, tie line 397

Assistant Manager
Pushpa Ramachandran, BS, CLS (NCA)
818.503.6825, tie line 397

Supervisor of Special Chemistry
Kimberly Homa, BS, CLS
818.503.7021, tie line 397

Supervisor of Toxicology
Hashem Almahdi, MS, CLS
818.503.6768, tie line 397

Hours of Operation
Monday - Friday: 8:30 a.m. - 3:30 a.m.
Saturday, Sunday and Holidays: 9:00 a.m. - 3:30 a.m.

Services

Centralized special chemistry and toxicology testing for the SCPMG

Drug testing which includes Therapeutic Drug Monitoring on commonly ordered drugs

Drugs of Abuse testing for Emergency Area, Chemical Dependency Rehabilitation Programs and Mental Health

Fetal Lung Maturity testing on amniotic fluid

Screening for blood lead exposure; sickle cell, thalassemia and other hemoglobinopathies

Highlights

Utilizing a two-dimensional thin layer chromatography, Fetal Lung Maturity testing is performed on amniotic fluid to assess the biochemical maturity of the lungs of the fetus.

The department is one of approximately 200 laboratories nationwide certified by Occupational Safety and Health Administration to perform blood lead screening. More than 3000 blood lead assays are performed each month on children and for industrial exposure.

Approximately 1500 patients are screened each month for sickle cell, thalassemia and other hemoglobinopathies.

Biogenic amines are utilized to assess pheochromocytoma and neuroblastom

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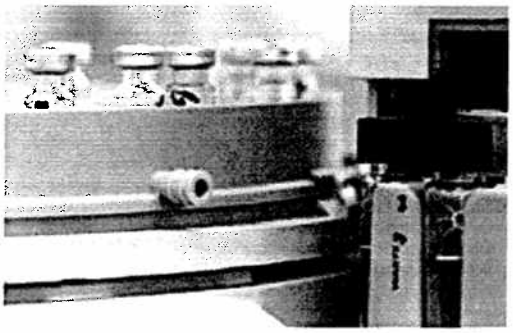
SPECIAL COAGULATION



Manager
Brent Fratzke, BS, MS, MBA, CLS
818.503.6804, tie line 397

Supervisor
Billy Brice, BS, CLS
818.503.6823, tie line 397

Hours of Operation
Monday - Friday: 8:00 a.m. – 5:00 p.m.
Closed Saturday, Sundays and Holidays [For emergency requests during non-operating hours: See below]

Services
Centralized special coagulation testing for the SCPMG

Highlights
Comprehensive state-of-the-art hemostasis reference laboratory

Results aid in the diagnosis and management of patients at risk for bleeding and thrombosis

Emergency Requests for Special Coagulation Testing During Non-Operating Hours
The Special Coagulation Laboratory is closed evenings, weekends, and holidays. Emergency requests for testing during non-operating hours are available when the attending physician or physician consultant determines that the condition of a patient may be unfavorably impacted if testing is delayed until the next operating day.

To make arrangements for testing during non-operating hours, contact **Bill Brice [Cell: 562.225.4073 -or- Pager: 818.413.1054]** so that a coagulation specialist can be dispatched to the Sherman Way Regional Laboratory to perform the testing. The following information should be provided by the caller:

Patient name and medical record number

Location of patient; hospital and room number

Telephone extension of nurses' station

Name of requesting physician

Physician's direct telephone and/or beeper number

Test(s) and/or work-up requested

Time patient is to be drawn for blood samples

Estimated time samples will be delivered to the Regional Reference Laboratories, Sherman Way campus.

Other Inquiries

Type of Question	First Level of Contact	Telephone Number
General questions	Client Service Center	1-888-4 LAB NFO, or tie line 397-7077
Specimen requirements		

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Test results Specimen issues Other related issues Basic technical questions Follow-up questions on problems	Special Coagulation Department Staff	818.503.7062 tie line 397
Technical questions Basic clinical relevancy Follow-up questions on problems	Bill Brice, CLS Department Supervisor, Special Coagulation	818.503.7064 tie line 397
Advanced technical questions Questions related to clinical evaluation and diagnosis	Dong Quach, MD Pathology Consultant, Special Coagulation	909.353.4057 tie line 258
Administrative issues or problems	Brent Fratzke Manager, Special Coagulation	818.503.6804 tie line 397

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VIROLOGY

Director of Microbiology
Susan Novak-Weekley, PhD, S(M)ASCP
818.503.6884, tie line 397

Manager
LaRonda Frazier, MS, CLS
818.503.6646

Assistant Manager
Betty Lindgren, BS, CLS
818.503.6834

Supervisors
Ruby Hines, CLS
818.503.6757 tie line 397
Zaffar Hussain, MS, CLS, MT (ASCP)
818.503.6762, tie line 397

Hours of Operation
Monday - Friday: 7:00 a.m. - 1:30 a.m.
Saturday, Sunday and Holidays: 8:00 a.m. - 10:30 p.m.

Services

Comprehensive diagnostic Virology testing for the SCPMG

Human Papilloma Virus (HPV) testing using hybrid capture

Molecular testing: Mycobacterium tuberculosis (Mtb) Polymerase Chain Reaction and Chlamydia trachomatis/Neisseria gonorrhoeae (CT/GC) Transcription Mediated Amplification

Highlights

One of few clinical laboratories providing HPV testing; assay identifies high risk group types 16 and 18, which are strongly associated with cervical cancer

High volume testing (> 240,000 per year) for Chlamydia/GC helps to ensure appropriate treatment and prevention of these communicable sexually transmitted diseases

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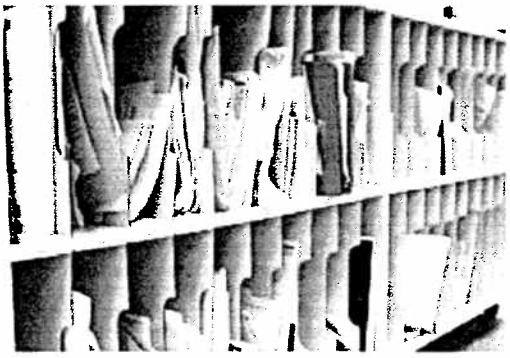
BUSINESS SERVICES



Manager
Michael Collier, BS, CLS, MPA
818.503.6888, tie line 397
818.503.7096, tie line 397

Supervisor
Corine Motley
818.503.7096, tie line 397

Analyst
Marlene Betancourt
818.503.6872, tie line 397
Hours of Operation
Monday - Friday: 8:30 a.m. - 5:00 p.m.
Closed Saturday, Sunday and Holidays

Services

- Accounts Receivable/Accounts Payable
- Client Billing
- Employee/Physician Payroll
- Outside Referral Desk
- TIMEkeeping System Coordination

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CLIENT SERVICE CENTER (1.888.4LABNFO)

Manager
Michael Collier, BS, CLS, MPA
818.503.6888, tie line 397

Assistant Manager
Robert Rabot, MS, CLS, MT (ASCP)
818.503.6830, tie line 397

Supervisor
Salome Pangilinan, CLS, MS
818.503.6606 , tie line 397

Call Center Analyst
Gina Calvert
818.503.7070, tie line 397

Hours of Operation
Monday - Friday: 7:00 a.m. - 3:30 a.m.
Saturday, Sunday and Holidays: 8:00 a.m. - 4:30 p.m.

Services

- Call notification of STAT, abnormal and critical value test results for Bacteriology, Chemistry, Cytology, Immunology, Special Chemistry/Toxicology and Virology
- Data collection for quality assessment and statistical analyses
- HIPAA disclosure accounting
- Infectious Disease reporting per county health department regulations
- Mailing of non-computerized laboratory reports
- Management of client inquiries to include
- Problem specimen resolution
- Quality Assurance Issues
- Reference Range Inquiries
- Referral Laboratory Information
- Specimen Collection Requirements
- Specimen Transport Information
- Specimen Transport Supplies
- Technical Inquiries
- Test Additions and Deletions
- Test Results
- Test Schedules
- Test Turn-Around-Times

Highlights

- Automated department utilizing electronic forms and data transmission for information gathering, notification and reporting

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ACD Meridian Max call distribution board with statistical monitoring capabilities optimizes handling of each call

Customized Help Desk software enables accurate and timely documentation of incoming calls and quality assurance follow-up

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EDUCATION & TRAINING
REGIONAL REFERENCE LABORATORIES

Manager
Michael Collier, BS, CLS, MPA
818.503.6888, tie line 397

Coordinator
Susan S. Yuh, Ed.M.
818.503.6739, tie line 397

Hours of Operation
Monday - Friday: 7:30 a.m. - 4:00 p.m.
Closed Saturday, Sunday and Holidays

Services

On-site education and training coordination at the Regional Reference Laboratories

Education program administration, including program development and implementation

Coordination of audioconferences and videoconferences

Coordination of on-site LMP activities

Coordination of on-site People Pulse Survey

Coordination and tracking of HIPAA Disclosure Accounting

Coordination and training of Regional Reference Laboratories' New Employee Orientation Program

Labor Management Partnership (LMP) training

Logistical support for training programs including scheduling, arranging for classroom set up, coordinating instructor schedules, reserving AV equipment

Highlights

Root Learning Maps training

LMP Orientation, Consensus Decision-Making/Interest-Based Problem Solving andUnion Partnership Representation Training

New Employee Orientation Program - SCPMG Regional Reference Laboratories

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ENVIRONMENTAL HEALTH & SAFETY

Manager
Michael Collier, BS, CLS, MPA
818.503.6888, tie line 397

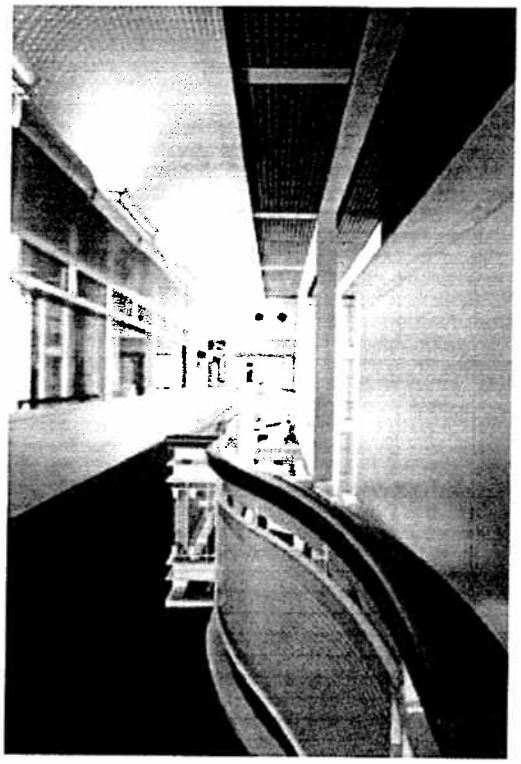
Assistant Manager
Richard K. Weier, BA, CHEM
Work: 818.503.7009, tie line 397
Cell: 818.253.7299

Employee Health/Infection Control Nurse
Diana M. Anderson, RN, BFN
Work: 818.503.6803, tie line 397
Cell: 818.822.5097

Safety Coordinator
Elaine Jacinto, BS
Work: 818.503.6937, tie line 397
Cell: 818.822.5095

Hours of Operation
Monday - Friday: 7:00 a.m. - 5:30 p.m.
24 hour Emergency Response

Services



- Management of Health & Safety Programs
- Management of Employee Health Business
- Development of Injury Reduction Strategies
- Laboratory Infection Control & Prevention
- Regulatory Compliance
- Emergency Operations
- Emergency Response Team (Internal or External response)
- Infectious/Biological
- Hazardous Chemical
- Radiological

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LABORATORY INFORMATION SYSTEMS

Manager, SCPMG Laboratory Information Systems
Carol Vernay
818.503.6883, tie line 397

Supervisor
April Enomoto
818.503.7055, tie line 397

LMS Coordinators
Wendy Calvin
818.503.6860, tie line 397
Rosenna Carpio
818.503.6789, tie line 397
Karen Molina
818.503.6861, tie line 397
Inez Ramirez-Stewart
818.503.6787, tie line 397
Ruth Rosenlof
818.503.6786, tie line 397

Hours of Operation
Monday - Friday: 8:00 a.m. - 4:30 p.m.
Closed Saturday, Sunday and Holidays.
Department Contact Numbers
Telephone/Voicemail: 818.503.6894, tie line 397
Fax: 818.503.7032, tie line 397

Services

- LMS/RMS File Maintenance, Testing and Implementation
- Statistical Reports
- LIS support for the following SCPMG sites:
- Regional Reference Laboratories [two locations]
- Medical Center Laboratories [ten locations]
- Medical Office Building [MOB] Laboratories [forty-seven locations]

Highlights

- Provide support for building and implementing HealthConnect, Kaiser Permanente's new electronic medical record
- Provide, maintain and update content of the SCPMG Laboratory Reference Manual and LABNET Test Menu
- Maintain the SCPMG -to- Quest interface to ensure accurate and timely transfer of referral test data between SCPMG locations and Quest Diagnostics, Inc.

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SOLUTIONS PREPARATION

Manager
Michael Collier, BS, CLS, MPA
818.503.6888, tie line 397

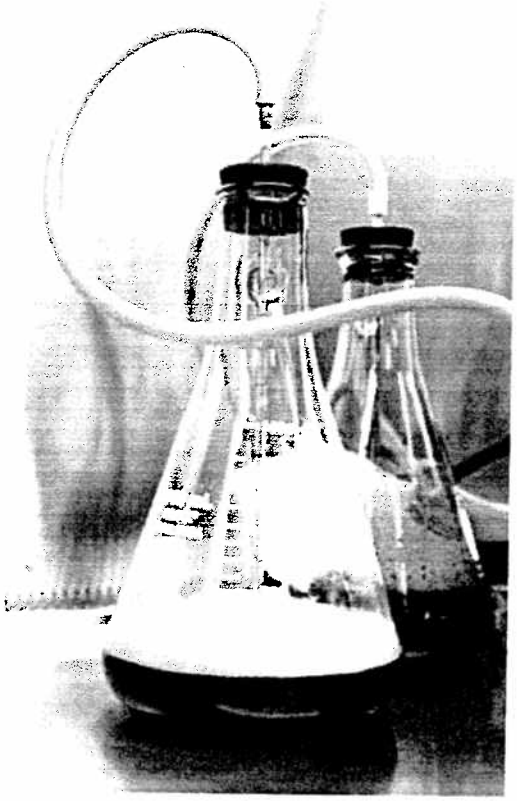
Assistant Manager
Richard K. Weier, BA, CHEM
Work: 818.503.7009, tie line 397
Cell: 818.253.7299

Hours of Operation
Monday - Friday: 5:00 a.m. - 6:00 p.m.
24 hour Emergency Response

Services

- Preparation of Laboratory Testing Solutions
- Hazardous Waste Management
- Laboratory Material Safety Data Sheet (MSDS) Master Library
- Emergency Operations
- Emergency Response Team (Internal or External response)
- Infectious/Biological
- Hazardous Chemical
- Radiological

Solutions Request Form



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Quality Assurance & Compli
Regional Reference Laborat
VIP Profiles

PUBLICATIONS
Lab Matters Newsletter
Laboratory Reference Manu

S C P M G

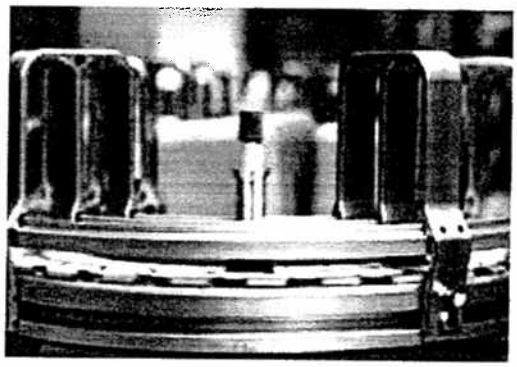
LABNET

Pathology & Laboratory Medicine

KAISER PERMANENTE.

Regional Referen
Laboratories

SPECIMEN PROCESSING



Manager
Michael Collier, BS, CLS, MPA
818.503.6888, tie line 397

Assistant Manager
Robert Rabot, MS, CLS, MT (ASCP)
818.503.6830, tie line 397

Supervisor
Herman Acera, CLS
818.503.6573, tie line 397

Hours of Operation
24 hours, 7 days a week

Services

Specimen receipt, preparation and transport to internal testing departments and outside referral laboratories

Problem specimen resolution

Centralized specimen storage

Management of requests for test addition and specimen retrieval

Management of Regional Specimen Tracking System training and problem resolution

Highlights

Customized service to meet client requirements and expectations

Labotix RRUSH System automated pre-analytical specimen processing line expedites acknowledgement of receipt, uncapping, aliquotting and preparation of specimens for testing.

Helpmate Transport Robots and high-volume transport carriers expedite delivery of processed specimens to ensure appropriate test turnaround times.

Technical Specialists investigate specimen transport delays, collection problems and processing errors; manage the test addition and specimen retrieval process; and respond to technical inquiries by telephone and e-mail.

IN THIS SECTION
- Executive Summary
- Leadership Team
- Testing Departments
- Support Services
  - Business Services
  - Client Service Center
  - Education and Training Regional Reference Laboratories
  - Environmental Health & Safety
  - Laboratory Information Systems
  - Solutions Preparations
  - Specimen Processing
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- e-Policies & Procedures
- Regional Courier
- RRL Directory
- NEWS4U

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- Genetic Testing Requisition Cytogenetics
- Solutions
- STAT Alert - Genetic Testing
- STAT Alert - Other
- Test Addition/Deletion
- Transport Supplies

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- Education & Development
- Laboratory Instrumentation
- Medical Center Laboratories
- Point of Care
- Quality Assurance & Compli
- Regional Reference Laborat
- VIP Profiles

PUBLICATIONS
- Lab Matters Newsletter
- Laboratory Reference Manu

PROJECT

REGIONAL REFERENCE LABORATORY

11666 SHERMAN WAY AT LANKERSHIM BOULEVARD
NORTH HOLLYWOOD - LOS ANGELES, CALIFORNIA

OWNER

KAISER PERMANENTE

KAISER FOUNDATION HEALTH PLAN, INC.
SOUTHERN CALIFORNIA REGION

393 WALNUT STREET
PASADENA, CALIFORNIA 91188

ARCHITECT

STONE MARRACCINI & PATTERSON

ONE MARKET PLAZA
SPEAR STREET TOWER, SUITE 400
SAN FRANCISCO, CALIFORNIA 94105

CONSULTANTS

CIVIL AND STRUCTURAL ENGINEER

RUTHERFORD AND CHEKENE
303 SECOND STREET
SUITE 800 NORTH
SAN FRANCISCO, CALIFORNIA 94107

MECHANICAL AND ELECTRICAL ENGINEER

GAYNER ENGINEERS
1133 POST STREET
SAN FRANCISCO, CALIFORNIA 94109

ACOUSTIC/VIBRATION CONSULTANT

COLIN GORDON & ASSOCIATES
411 BOREL AVENUE, SUITE 425
SAN MATEO, CALIFORNIA 94402

LABORATORY CONSULTANT

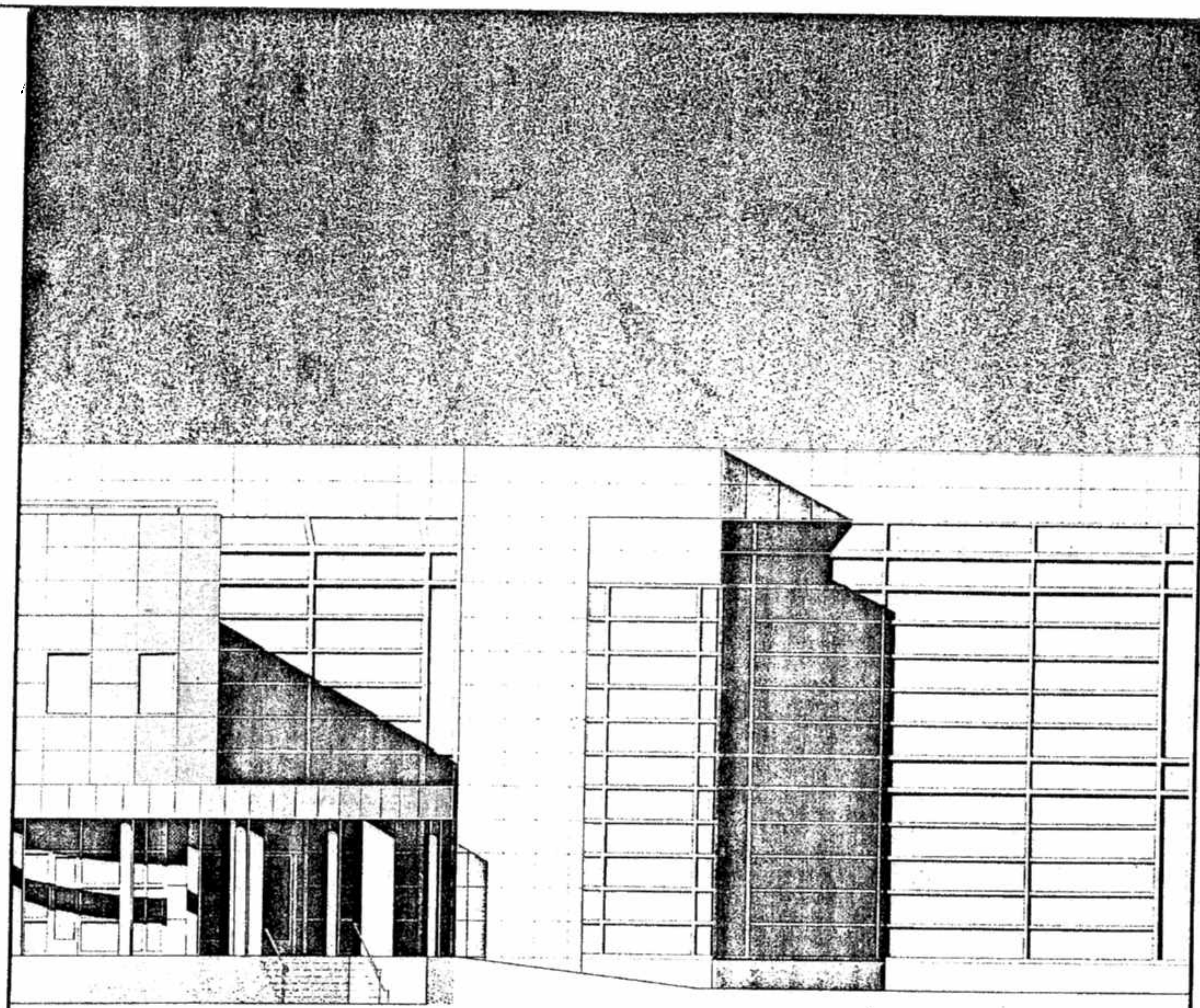
EARL WALLS ASSOCIATES
5348 CARROLL CANYON ROAD
SAN DIEGO, CALIFORNIA 92121

LANDSCAPE ARCHITECT

KELLER MITCHELL CARONNA
212 SUTTER STREET, FIFTH FLOOR
SAN FRANCISCO, CALIFORNIA 94108

LIGHTING DESIGN CONSULTANT

ARCHITECTURAL LIGHTING DESIGN
370 BRANNAN STREET
SAN FRANCISCO, CALIFORNIA 94107



SMP

Stone
Marraccini
Patterson

Architecture
Planning
Interior Architecture

One Market Plaza
Spear Street Tower
Suite 400
San Francisco
CA 94105

415 227-0100

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BULLETIN NO. 1

INCORPORATES BULLETIN NO. 2

Certificate of Compliance (Part 1 of 2)

Prescriptive Requirements CF-1A

KAISER REFERENCE LABORATORY
Project Title — Date of Certificate
STONE MARRACCINI & PATTERSON
Project Architect/Engineer

For Enforcement Agency Use Only
Building Permit Number
Plan Checked By — Date
Field Checked By — Date
Approved By — Date

Project Location
NORTH HOLLYWOOD, LOS ANGELES
City/Town
GAYNER ENGINEERS (415)474-9500
Documentation Author/Firm L. KLEIN Telephone

Principal Designer. The proposed building will be in substantial compliance with the California Building Energy Efficiency Standards provided it is built according to the plans and specifications and provided future improvements are completed according to the requirements indicated on the Certificate of Compliance. The plans and specifications have been prepared to include all significant energy conservation features required for compliance with the Standards. Building areas that are unconditioned and/or not subject to the standards are indicated on the plans.

28 JAN 91 — 28 JAN 91
Plans dated — Specs dated
David L. Martino — JAN. 25 1991
Signature — Date
VICE PRESIDENT - DAVID L. MARTINO
Name/Title
STONE MARRACCINI + PATTERSON
Company
1 MARKET PLAZA, SPEAR TOWER, SUITE 400
Address
SAN FRANCISCO, CALIF 94105
City/State/Zip
415-227-0100 — C 10709
Telephone — Cal. License No

General
1. Unconditioned or Multi-tenant shell? NO
2. CEC Occupancy Type: LOW RISE LAB & OFFICE
3. UBC Occupancy Group/Division: B-2
4. Edition of Standards: 1988
5. Conditioned Floor Area: 61740 sf
A. Unconditioned Floor Area: 5890 sf

1st Generation Occupancy Types
7. Location Code Number: NA
8. Occupancy Code Number
9. Maximum Allowable Uo
10. Standard OTTV

2nd Generation Occupancy Types
11. Climate Zone: 09
12. Package Selected: D
13. HVAC Power Criteria Set (if applic.): NA

Note: List other options and requirements significant for compliance below or on an attached supplement. For example, include tenant improvement specifications. Additional requirements should be further detailed in the energy compliance documentation. Attachment becomes part of Certificate of Compliance.

14. Supplement Attached? Y (Y/N)

Owner. The energy conservation features and performance specifications indicated on this document and on the plans and specifications shall apply to future alterations, unless compliance is demonstrated anew and a new Certificate of Compliance is submitted. A copy of this Certificate will be retained and transmitted to future tenants, subsequent owners or others with responsibility for making improvements or modifications to the building. If this certificate is lost, a new Certificate may be required before a permit is issued for alterations. Unconditioned areas are indicated on the plans and, if these areas are conditioned in the future, they must be made to comply with the applicable energy standards then in effect.

Signature — Date
Name/Title
KAISER FOUNDATION HEALTH PLAN, INC.
Company
393 EAST WALNUT STREET, 5th FLOOR
Address
PASADENA, CALIF 91188
City/State/Zip

Enforcement Agency. The proposed building and future alterations will comply with the California Building Energy Efficiency Standards, provided future alterations meet the requirements indicated on this Certificate and all applicable mandatory measures, as long as the building occupancy type remains unchanged.

Signature — Date
Name/Title
Agency
Address
City/State/Zip

ETM Form Revised September 1988 — Page 1 of 12

Certificate of Compliance (Part 2 of 2)

Prescriptive Compliance CF-1A

KAISER REGIONAL REFERENCE LAB — 61740 sq ft
Project Title — Date of Certificate — Cond Fl Area
GAYNER ENGINEERS (415)474-9500 — LOW RISE LAB & OFF
Documentation Author/Firm — Telephone — CEC Occ Type
For Enforcement Agency Use Only — Plan Checked By — Date

Note: More than one Part 1 may be submitted, but all must reference the same Part 1. The person responsible for the design compliance for each major building system acknowledges the following compliance statement by signing the appropriate space below.

Compliance Statement. The proposed building improvements substantially comply with the requirements indicated on the Certificate of Compliance for the building dated 1/15/91. The plans and specifications include the significant energy conservation features and the compliance documentation is consistent with the plans and specifications.

Envelope

		Allowed	Proposed	
1	Roof/Ceiling R	12	12.39	h-F-sf/Btu
2	Exterior Floor R	NA	NA	h-F-sf/Btu
3	Opaque Wall R	4.41	5.01	h-F-sf/Btu
4	Exterior Wall Area		46813	sf
A	Wall Glazing Area		10247	sf
A	Average SC (Wall)		2.63	
7	Total Wall % Glazing	30%	22.1	%
8	West Exterior Wall Area* (if applic.)		9402	sf
9	Glazing Area (West Wall)* (if applic.)		624	sf
10	Average SC (West Wall)* (if applic.)		0.71	
11	West Wall % Glazing*	30	7.0	%
12	Roof Glazing? (attach CF-6)		N	(Y/N)

* Low-rise office Pkgs. D, E & F and all high-rise office Pkgs.

NEW BUILDING
Extent of Improvements
28 JAN 91 — 28 JAN 91
Plans dated — Specs dated
David L. Martino — JAN. 25 1991
Signature — Date
VICE PRESIDENT - DAVID L. MARTINO
Name/Title
STONE MARRACCINI + PATTERSON
Company
1 MARKET PLAZA, SPEAR TOWER, #400
Address
SAN FRANCISCO, CALIF 94105
City/State/Zip
415-227-0100 — C 10709
Telephone — Cal. License No
Enforcement Agency — Date

Lighting

		Allowed	Proposed	
1A	Basis of Allowed LPD	1.5	1.3	
1B	LPD	1.7		watts/sf
1A	Package Lighting Reduction			watts/sf
1A	Adjusted LPD	1.5	1.1	watts/sf
17	Lighting Control Credits?		N	(Y/N)

Other requirements

NEW BUILDING
Extent of Improvements
Plans dated — Specs dated
Signature — Date 1/22/91
GAYNER ENGINEERS
Company
1133 POST STREET
Address
SAN FRANCISCO CA 94109
City/State/Zip
(415)474-9500
Telephone — Cal. License No
Enforcement Agency — Date

Mechanical

		Allowed	Proposed	
18	Whole Building HVAC Sets? (WS-4A)		NA	(Y/N)
	a. Fan Wattage Index	NA		watts/cfm
	b. Cooling Power Index			Btu/sf
	c. Heating Power Index	Y		Btu/sf
19	Tailored HVAC Approach? (WS-4B)		Y	(Y/N)
	a. Heating Capacity			MBH
	b. Cooling Capacity			MBH
	c. Fan Performance Index			
20	Simultaneous heat/cool? (WS-4C)		NA	(Y/N)

Other requirements: SEE FORM T-4

NEW BUILDING
Extent of Improvements
Plans dated — Specs dated
Signature — Date
Name/Title
GAYNER ENGINEERS
Company
1133 POST STREET
Address
SAN FRANCISCO CA 94109
City/State/Zip
(415)474-9500
Telephone — Cal. License No
Enforcement Agency — Date

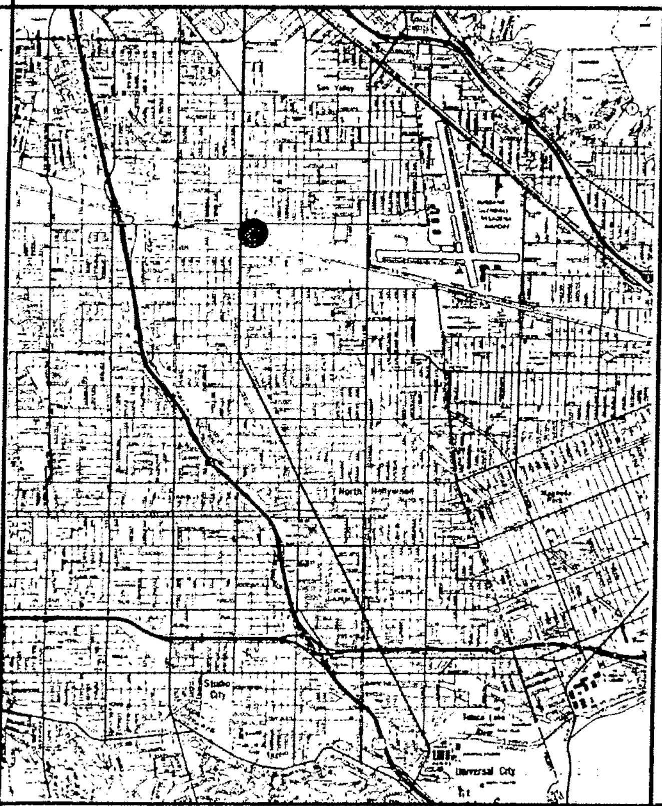
ETM Form Revised September 1988 — Page 2 of 12

ADDITIONAL GENERAL NOTES:

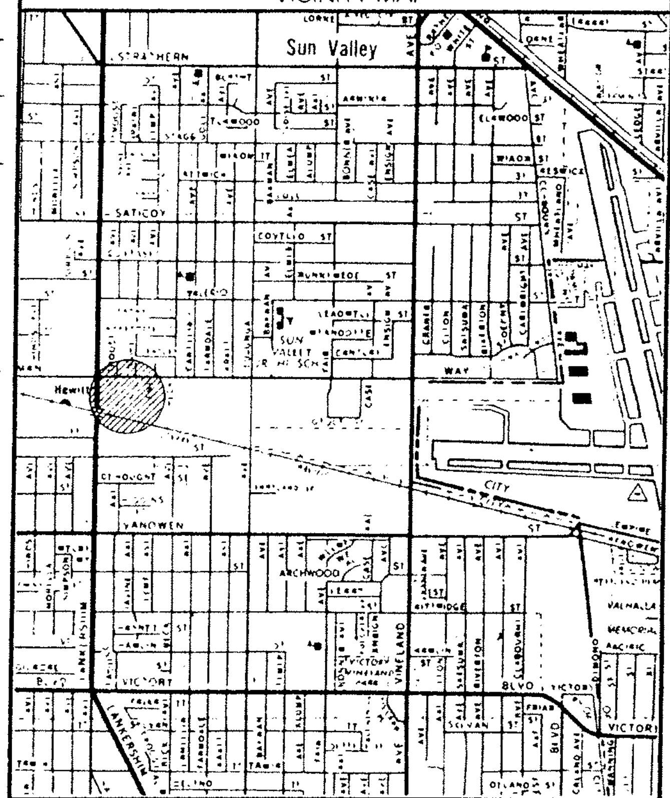
19. ALL WATER CLOSETS TO BE LOW CONSUMPTION TYPE AS APPROVED BY THE CITY OF LOS ANGELES. FOR ADDITIONAL INFORMATION SEE PLUMBING DRAWINGS.
20. PROVIDE CITY OF LOS ANGELES APPROVED ANTI GRAFFITI FINISH AT ALL EXTERIOR WALLS AND DOORS TO A HEIGHT 9 FEET ABOVE ADJOINING GRADE.
21. PROVIDE STAIR IDENTIFICATION SIGNAGE APPROVED BY THE LOS ANGELES FIRE DEPARTMENT AND CONFORMING WITH APPLICABLE CITY OF LOS ANGELES STANDARDS AND REGULATIONS AT EACH FLOOR LANDING WITHIN EACH STAIR ENCLOSURE (INTERIOR SIGNAGE ALLOWANCE)
22. PROVIDE SIGNAGE AT EACH EXIT DOOR LEADING TO THE EXTERIOR STATING "THIS DOOR TO REMAIN UNLOCKED WHENEVER THE BUILDING IS OCCUPIED." SIGNAGE TO CONFORM WITH SECTION 3304(C) OF THE 1990 LOS ANGELES BUILDING CODE AND OTHER APPLICABLE CITY OF LOS ANGELES STANDARDS AND REGULATIONS (INTERIOR SIGNAGE ALLOWANCE)
23. PROVIDE SIGNAGE ADJACENT TO EACH ELEVATOR CALL BUTTON APPROVED BY THE LOS ANGELES FIRE DEPARTMENT AND CONFORMING WITH APPLICABLE CITY OF LOS ANGELES STANDARDS AND REGULATIONS. SIGNAGE SHALL STATE "IN CASE OF FIRE ... DO NOT USE ELEVATOR" AND BE INTEGRAL WITH ELEVATOR CALL BUTTON COVER PLATE.
24. ALL FIRE EXTINGUISHERS TO HAVE RATING OF NOT LESS THAN 2 A 10BC. FOR ADDITIONAL INFORMATION REFER TO TYPE 1 FIRE EXTINGUISHERS AS DESCRIBED BY SECTION 10522 OF THE SPECIFICATION.
25. ROOF OBSTRUCTIONS SUCH AS ANTENNA AND GUY WIRES SHALL NOT OBSTRUCT OR PREVENT FIRE DEPARTMENT ACCESS.
26. FIRE DAMPERS SHALL BE PROVIDED WHERE DUCTS PENETRATE FIRE RATED WALLS OR CEILINGS. FOR ADDITIONAL INFORMATION SEE MECHANICAL DRAWINGS.

04:37:08PM

LOCATION MAP



VICINITY MAP



LOCATION DESCRIPTION

THE PROJECT SITE IS LOCATED AT 11666 SHERMAN WAY AT THE SOUTH-EAST CORNER OF LANKERSHIM BOULEVARD IN THE NORTH HOLLYWOOD DISTRICT OF LOS ANGELES CALIFORNIA. THE PROJECT SITE MAY BE FURTHER IDENTIFIED AS PARCEL "A" SHOWN ON MAP NO. L.A. 2128 OF PARCEL MAP BOOK 30-86 CITY OF AND COUNTY OF LOS ANGELES, STATE OF CALIFORNIA.

WORK ON THE PROJECT SITE IS GENERALLY LIMITED (WITH CERTAIN EXCEPTIONS DESCRIBED BY THE DRAWINGS AND SPECIFICATIONS) TO THAT PORTION OF THE SITE WEST OF THE TEMPORARY CONSTRUCTION FENCE INDICATED ON THE DRAWINGS. FOR ADDITIONAL INFORMATION REGARDING WORK EAST OF THE TEMPORARY CONSTRUCTION FENCE REFER TO THE GENERAL NOTES ON THIS SHEET, SHEET A0.03, THE CIVIL DRAWINGS, THE LANDSCAPE DRAWINGS AND THE BOOK OF SPECIFICATIONS.

APPLICABLE CODES

THE CONTRACTOR SHALL COMPLY WITH THE APPLICABLE PROVISIONS OF THE FOLLOWING CODES AND REGULATIONS AND AS GOVERNED BY ALL APPLICABLE LAWS AND REGULATIONS OF THE PLACE (DISTRICT, CITY, COUNTY, STATE, AND FEDERAL) WHERE THE PROJECT IS LOCATED.

CODES

LOS ANGELES BUILDING CODE, LABC, 1990 EDITION INCORPORATING SECTIONS OF THE UNIFORM BUILDING CODE, UBC, 1988 EDITION

LOS ANGELES FIRE CODE, CURRENT EDITION.

LOS ANGELES ELECTRICAL CODE, CURRENT EDITION

NATIONAL ELECTRICAL CODE, CURRENT EDITION

LOS ANGELES MECHANICAL CODE, CURRENT EDITION

LOS ANGELES ELEVATOR CODE, CURRENT EDITION

CALIFORNIA CODE OF REGULATIONS, CCR TITLE 24 BUILDING STANDARDS, INCLUDING THE FOLLOWING PARTS AS APPLICABLE TO THE PROJECT: PART 2, STATE BUILDING CODE, PART 3, STATE ELECTRICAL CODE, PART 4, STATE MECHANICAL CODE, PART 5, STATE PLUMBING CODE, PART 6, SPECIAL BUILDING REGULATIONS, AND PART 7, STATE ELEVATOR CODE. WHERE THE REQUIREMENTS OF CCR TITLE 24 CONFLICT WITH THE LOS ANGELES CODES REFERENCED ABOVE, THE MORE RESTRICTIVE REQUIREMENT SHALL APPLY.

SITE AREA 367,890 S.F.
8.4456 AC.

PROJECT DESCRIPTION

LABORATORY BUILDING

OCCUPANCY GROUPS

GROUP B, DIVISION 2: OFFICES AND LABORATORY (TYPICAL)

GROUP A, DIVISION 3: ASSEMBLY (CAFETERIA)

GROUP H, DIVISION 7: HAZARDOUS (SOLUTIONS DEPARTMENT)

GROUP B, DIVISION 2 HAZARDOUS STORAGE ROOM (SOLVENT STORAGE ROOM ON LAB LEVEL TWO)

SEE KEY PLANS FOR ILLUSTRATION OF EACH OCCUPANCY GROUP

CONSTRUCTION TYPE

TYPE 2 - 1 HOUR

HEIGHT

THREE FLOORS

TOP OF MECHANICAL EXHAUST STACKS NOT TO EXCEED EL. 794'-0" M.S.L. FEDERAL AVIATION ADMINISTRATION HEIGHT RESTRICTION IS APPROX. 809'-0" M.S.L. AT LOWEST POINT (SOUTH-EAST CORNER OF PROJECT SITE)

FLOOR AREA

98,351 SQUARE FEET DIVIDED INTO THREE PORTIONS SEPARATED BY TWO-HOUR FIRE-RATED AREA SEPARATION WALLS. AREA SEPARATION WALLS EXTEND FROM TOP OF FOUNDATION OR SLAB ON GRADE TO UNDERSIDE OF ONE-HOUR FIRE RATED ROOF ASSEMBLY.

SEE KEY PLANS FOR ILLUSTRATION OF AREAS AND AREA SEPARATION WALLS

SPRINKLER SUBSTITUTION

PER SECTION 508 OF THE LOS ANGELES BUILDING CODE, AN AUTOMATIC SPRINKLER SYSTEM IS USED IN LIEU OF ONE HOUR FIRE PROTECTION ON THE STRUCTURAL FRAME

AUTOMATIC SPRINKLER SYSTEM IS PROVIDED BUT NOT REQUIRED THROUGHOUT. FIRE DEPARTMENT ACCESS CONFORMING TO SECTION 3802(B)1 IS PROVIDED ON TWO SIDES - SOUTH AND WEST FACES - OF THE LABORATORY BUILDING

H-7 OCCUPANCY (SOLUTIONS DEPARTMENT) ON GROUND FLOOR LEVEL REQUIRES AUTOMATIC SPRINKLER SYSTEM. STRUCTURAL FRAME TO RECEIVE TWO-HOUR FIRE-PROTECTION SHEATHING WITHIN THIS OCCUPANCY

CONTROL AREAS FOR HAZARDOUS MATERIALS (TABLE 9A)

BUILDING IS DIVIDED INTO 4 CONTROLS AREAS CONSISTING OF

1) GROUND FLOOR EXCEPT GROUP H DIVISION 7 SOLUTIONS DEPT

2) GROUP H DIVISION 7 SOLUTIONS DEPARTMENT

3) LAB LEVEL ONE

4) LAB LEVEL TWO INCL. B-2 HAZARDOUS STORAGE (SOLVENT STORAGE)

EXCEPT FOR H-7 SOLUTIONS DEPARTMENT, MATERIALS USED OR STORED IN EACH CONTROL AREA DO NOT EXCEED THE LIMITS LISTED IN TABLE 9A OF THE 1990 LOS ANGELES BUILDING CODE.

GROUP B-1 HAZARDOUS STORAGE ROOM (SECTION 915 OF 1990 LOS ANGELES BUILDING CODE) IS PROVIDED, BUT NOT REQUIRED, FOR THE STORAGE OF FLAMMABLE SOLVENTS IN AMOUNTS LESS THAN THE LIMITS LISTED IN TABLE 9A OF THE 1990 LABC AND AS REQUIRED BY THE CURRENT EDITION OF THE LOS ANGELES FIRE CODE

ESSENTIAL FACILITIES

ALTHOUGH NOT REQUIRED, THE PROJECT HAS BEEN DESIGNED TO CONFORM WITH 1990 LOS ANGELES BUILDING CODE AND PART 1, TITLE 14 CALIFORNIA CODE OF REGULATIONS STANDARDS FOR ESSENTIAL FACILITIES

WIRE GLASS SUBSTITUTION (ALTERNATE NO. 2)

PENDING APPROVAL BY THE LOS ANGELES DEPT. OF BUILDING & SAFETY USE CLEAR GLASS (GLAZING TYPE GL-7) IN LIEU OF WIRE GLASS (GLAZING TYPE GL-8) AT INDICATED, LIMITED LOCATIONS WITHIN ONE HOUR FIRE RATED CORRIDOR WALLS

HAZARDOUS STORAGE SHED

OCCUPANCY GROUPS

H-3 HAZARDOUS OCCUPANCY WITH ROOF EXPLOSION VENTING AND BLAST-RESISTANT DOORS

CONSTRUCTION TYPE

TYPE 1 - NON RATED

HEIGHT

ONE STORY

FLOOR AREA

900 SQUARE FEET

SPRINKLER SYSTEM

PROVIDED THROUGHOUT

GENERAL NOTES

1. ALL CONSTRUCTION, WORK, MATERIALS, METHODS, ASSEMBLIES, ETC. MUST CONFORM WITH THE MINIMUM REQUIREMENTS OF THE GOVERNING REGULATIONS OF ALL FEDERAL, STATE, AND/OR LOCAL AUTHORITIES HAVING JURISDICTION OVER THE PROJECT, AS WELL AS GREATER REQUIREMENTS INDICATED BY THE GENERAL CONDITIONS, DRAWINGS, AND SPECIFICATIONS. NO PART OF THE CONTRACT DOCUMENTS MAY BE CONSTRUED TO REQUIRE OR PERMIT WORK CONTRARY TO A GOVERNING REGULATION.
2. THE CONTRACTOR MAY OBTAIN FROM THE OWNER A LIST OF ALL PERMITS FOR WHICH THE OWNER HAS MADE APPLICATION FOR AND/OR RECEIVED PRIOR TO 1 APRIL 1991. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL OTHER PERMITS NECESSARY TO ALLOW CONSTRUCTION AND OCCUPANCY OF THE PROJECT. THE CONTRACTOR SHALL ARRANGE FOR ALL REQUIRED INSPECTIONS WHETHER REQUIRED BY PERMITS OBTAINED BY THE OWNER OR BY THE CONTRACTOR.
3. REQUIRED TWO-HOUR FIRE-RATED AREA SEPARATION WALLS ARE SHOWN ON SHEETS A1.03, A1.07, A1.11, AND A2.01 THRU A2.08. AREA SEPARATION WALL EXTENDS FROM THE TOP OF THE FOUNDATION OR SLAB ON GRADE TO THE UNDERSIDE OF THE ONE-HOUR FIRE-RATED ROOF ASSEMBLY. ALL OPENINGS IN THE AREA SEPARATION WALL ARE TO BE PROTECTED WITH ASSEMBLIES HAVING A FIRE-RATING OF 1-1/2 HOURS. PENETRATIONS ARE TO BE MINIMIZED.
4. CONTINUOUS INSPECTION (TO BE PROVIDED BY THE OWNER) IS REQUIRED FOR ALL CONCRETE PLACEMENT, REINFORCING STEEL PLACEMENT, FIELD WELDING, AND HIGH STRENGTH BOLTING. ADDITIONAL INSPECTION REQUIREMENT MAY BE SHOWN BY THE SPECIFICATIONS. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING ALL AFFECTED CONSTRUCTION ACTIVITIES WITH THE OWNER'S INSPECTOR.
5. ALL WELDING TO BE DONE BY WELDERS CERTIFIED BY THE LOS ANGELES DEPT. OF BUILDING & SAFETY.
6. ROOFING SYSTEM TO BE NON-COMBUSTIBLE IN CONFORMANCE WITH A SPECIFIC, CURRENT LOS ANGELES CITY RESEARCH REPORT. FOR ADDITIONAL INFORMATION, REFER TO SPECIFICATION SECTION 07530.
7. THE FOLLOWING ASSEMBLIES ARE REQUIRED TO CONFORM WITH SPECIFIC, CURRENT LOS ANGELES CITY RESEARCH REPORTS.
   - A. SUB-SURFACE DRAINAGE PANELS (SECTION 02710).
   - B. SUB-SURFACE DAMP-PROOFING (SECTION 07150)
   - C. POWDER DRIVEN FASTENERS (MULTIPLE SECTIONS)
   - D. ELASTOMERIC SHEET ROOFING SYSTEMS AND E.P.D.M. ROOFING MEMBRANE (SECTION 07530)
   - E. COMPOSITE METAL PANELS, TYPE 1 AND TYPE 2 (SECTION 07420).
   - F. PARTITION TYPES FOR WHICH LA APPROVAL NUMBERS ARE LISTED (SHEET A9.01).
   - G. LOW LEVEL EXIT SIGNS AND PATH MARKING DEVICES (ELECTRICAL DRAWINGS) U.L. LISTING MAY BE PROVIDED IN LIEU OF LA CITY RESEARCH REPORT

   THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING NECESSARY TEST REPORTS, RESEARCH REPORTS AND/OR LOS ANGELES CITY APPROVALS NECESSARY CONFORM WITH THIS REQUIREMENT. ALTHOUGH THE SPECIFICATIONS MAY LIST OTHER PRODUCTS AS ACCEPTABLE, DO NOT UTILIZE PRODUCTS FOR WHICH SPECIFIC, CURRENT LA RESEARCH REPORTS ARE NOT AVAILABLE OR FOR WHICH SPECIFIC REPORTS CANNOT BE OBTAINED WITHOUT DELAYING THE PROJECT. THE CONTRACTOR SHALL PROVIDE THE ARCHITECT WITH A COPY OF THE APPLICABLE LOS ANGELES CITY RESEARCH REPORT FOR EACH ASSEMBLY INDICATED.
8. NOTES REGARDING SPRINKLERS
   - A. SPRINKLER SYSTEM TO BE APPROVED BY THE CITY OF LOS ANGELES DEPT. OF BUILDING & SAFETY PLUMBING DIVISION PRIOR TO INSTALLATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PREPARING ALL DRAWINGS AND CALCULATIONS NECESSARY FOR SUBMITTAL TO ALL AUTHORITIES HAVING JURISDICTION, AND FOR OBTAINING AND PAYING FOR ALL REQUIRED REVIEWS AND/OR PERMITS NECESSARY TO PERMIT INSTALLATION OF THE SPRINKLER SYSTEM.
   - B. IT IS CRITICAL THAT SPRINKLER PIPING AND HEADS BE ARRANGED AND INSTALLED TO COORDINATE WITH THE WORK OF ALL OTHER TRADES. WHERE INDICATED ABOVE THE LABORATORIES, LOCATE ALL PIPING WITHIN THE INDICATED BUILDING SYSTEMS ZONE RESERVED FOR SPRINKLER SYSTEM USE.
   - C. IN SPACES WHERE SPRINKLER HEADS ARE INDICATED ON THE ARCHITECTURAL REFLECTED CEILING PLANS, LOCATE HEADS AT POSITIONS INDICATED WITHIN THE TOLERANCES INDICATED. IN SPACES WHERE NO SPRINKLER HEADS ARE SHOWN, LOCATE AS REQUIRED TO CONFORM WITH ALL APPLICABLE CODES.
9. THESE DRAWINGS SHOULD BE CONSIDERED A PART OF THE COMPLETE DRAWING SET WHICH INCLUDES THOSE DRAWINGS OF ALL DISCIPLINES - SITE SURVEY, ARCHITECTURAL, STRUCTURAL, MECHANICAL, ELECTRICAL, LAB ELECTRICAL, PLUMBING, LAB PLUMBING, LAB FURNITURE, CIVIL, AND LANDSCAPE - REPRESENTED ON THIS PROJECT. THE WORK DESCRIBED BY THE DRAWINGS OF ANY ONE DISCIPLINE MAY BE AFFECTED BY SYSTEMS DESCRIBED BY ANOTHER DISCIPLINE AND MAY REQUIRE REFERENCE TO THE DRAWINGS OF THOSE OTHER DISCIPLINES. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW AND COORDINATE THE LOCATIONS OF ALL WORK OF ALL TRADES SHOWN ON THE DRAWINGS OF ALL DISCIPLINES PRIOR TO COMMENCING CONSTRUCTION. NOTIFY THE ARCHITECT OF ANY CONFLICTS PRIOR TO COMMENCING CONSTRUCTION. DEVIATIONS FROM THAT WHICH IS SHOWN ON THE DRAWINGS MUST BE APPROVED IN ADVANCE BY THE ARCHITECT.
10. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE CONSTRUCTION OR INSTALLATION OF THE WORK DESCRIBED BY THE CONTRACT DOCUMENTS WITH THE FOLLOWING "OWNER PROVIDED, OWNER INSTALLED" (O.P.O.I.) ITEMS OR SYSTEMS.
    - A. SITE, BUILDING, AND EQUIPMENT SECURITY AND ALARM SYSTEMS. NOTE THAT THE DESIGN OR LOCATION OF ITEMS SUCH AS, BUT NOT LIMITED TO, CONDUITS, ELECTRICAL OUTLETS, AND DOOR HARDWARE MAY BE AFFECTED BY THIS O.P.O.I. SYSTEM.
    - B. BUILDING AND LABORATORY EQUIPMENT. NOTE THAT CERTAIN ITEMS OF O.P.O.I. EQUIPMENT MAY REQUIRE "OUT-OF-RANGE" ALARM CONNECTION TO THE O.P.O.I. SECURITY SYSTEM. SUCH CONNECTIONS MAY REQUIRE COORDINATION BY THE CONTRACTOR.
    - C. FURNISHINGS AND FURNITURE SYSTEMS. NOTE THAT THE LOCATION OF ITEMS SUCH AS, BUT NOT LIMITED TO CONDUITS, ELECTRICAL OUTLETS, AND TELEPHONE/DATA OUTLETS MAY BE AFFECTED BY THESE O.P.O.I. ITEMS. THE PRECISE LOCATION OF THESE ITEMS MAY REQUIRE COORDINATION BY THE CONTRACTOR.
    - D. CARBON DIOXIDE TANK. NOTE THAT IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE THE INSTALLATION OF THE TANK WITH THE OWNER'S VENDOR, TO PROVIDE ALL NECESSARY ELEMENTS TO CONNECT THE TANK TO THE CO2 DISTRIBUTION SYSTEM, TO PROVIDE (BASED ON INFORMATION PROVIDED BY THE OWNER'S VENDOR) ALL NECESSARY MOUNTINGS, CONCRETE PADS, BASES, OR FOUNDATIONS, AND SHALL BE RESPONSIBLE FOR CONNECTING THE TANK AND TESTING THE CONNECTION BETWEEN THE TANK AND THE BUILDING.
    - E. BUILDING SIGNAGE

    ADDITIONAL INFORMATION REGARDING THESE O.P.O.I. ITEMS AND SYSTEMS MAY BE OBTAINED UPON REQUEST FROM THE OWNER.
11. DIMENSIONS ARE INDICATED TO FACE OF PARTITION ASSEMBLY (TYPICAL), CENTERLINE OF PARTITION ASSEMBLY, OR GRID LINE, UNLESS OTHERWISE INDICATED. FOR ADDITIONAL INFORMATION REGARDING DIMENSIONING, REFER TO PARTITION SCHEDULE NOTES ON SHEET A9.01.
12. FOR ADDITIONAL INFORMATION TO ASSIST IN THE LAYOUT OF THE BUILDING'S GRID LINES, REFER TO SHEET A2.04.
13. FOR AN EXPLANATION OF THE ARCHITECTURAL FINISH CODES USED ON THIS PROJECT, REFER TO SHEET A9.T5.
14. ALL BUILDING SYSTEMS INCLUDING THE ELECTRICAL, MECHANICAL, FIRE-PROTECTION, AND PLUMBING SYSTEMS HAVE BEEN ORGANIZED INTO SEPARATE REPETITIVE MODULAR ZONES. LOCATE ALL BUILDING SYSTEMS ELEMENTS ENTIRELY WITHIN THEIR RESPECTIVE ZONES. CAREFUL ADHERENCE TO THE ORGANIZED BUILDING SYSTEMS CONCEPT SHOWN IS NECESSARY TO MINIMIZE PRESENT AND FUTURE CONFLICTS BETWEEN SYSTEMS AND TO ASSURE FLEXIBILITY FOR FUTURE LABORATORY RE-MODELING. REFER TO THE PARTIAL BUILDING SECTIONS ON SHEETS A6.01 THRU A6.20 AND THE BUILDING SYSTEMS DRAWINGS ON SHEET A6.21 FOR ADDITIONAL INFORMATION REGARDING THE ORGANIZED BUILDING SYSTEMS REQUIREMENTS.
15. ALL INTERIOR WALL AND CEILING FINISHES SHALL BE INSTALLED IN ACCORDANCE WITH SECTION 4203 OF THE 1990 LOS ANGELES BUILDING CODE. FOR ADDITIONAL INFORMATION REGARDING INTERIOR FINISHES, REFER TO THE ARCHITECTURAL FINISH SCHEDULE AND COLOR SCHEDULES ON SHEET A9.T5.
16. ADDITIONAL CONSTRUCTION ACTIVITY RELATED TO THE EXISTING BUILDING AND SITE IMMEDIATELY SURROUNDING THE EXISTING BUILDING MAY OCCUR DURING THE CONSTRUCTION PERIOD OF THIS PROJECT. DRAWINGS ILLUSTRATING THIS WORK ARE AVAILABLE FROM THE OWNER UPON REQUEST.

    IT IS THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE ALL CONSTRUCTION ACTIVITIES WITH ALL OTHERS WORKING ON THIS SITE. THE WORK SHALL BE SCHEDULED AND PERFORMED SO AS TO NOT DISTURB OR CAUSE DAMAGE TO THE TENANTS OF THE EXISTING BUILDING AND TO AVOID ANY DELAY TO THE OWNER'S OVERALL CONSTRUCTION SCHEDULE.

    IT IS THE INTENT OF THE ARCHITECT THAT THE CONTRACTOR SHALL BE RESPONSIBLE, PRIOR TO COMPLETION OF THE PROJECT, FOR INTEGRATING THE WORK PERFORMED BY ALL TRADES DESCRIBED BY THE NEW LABORATORY DOCUMENTS WITH THOSE EXISTING FACILITIES TO REMAIN AS WELL AS THAT WORK PERFORMED BY OTHERS ON THE SITE SO THAT THE OVERALL DEVELOPMENT OF THE SITE IS COMPLETE AND HAS THE APPEARANCE OF BEING CONSTRUCTED BY A SINGLE ENTITY. THIS INTEGRATION WORK MAY INCLUDE, BUT IS NOT NECESSARILY LIMITED TO, THE FOLLOWING:
    - A. PATCH, REPAIR, OR REPLACE EXISTING AC PAVEMENT AS REQUIRED TO MATCH THE CONDITION OF NEW AC PAVEMENT
    - B. PROVIDE PARKING STALL STRIPING AND STALL BUMPERS SO AS TO ACHIEVE THE OVERALL LAYOUT SHOWN ON SHEET A0.03
    - C. PATCH, REPAIR, OR REPLACE EXISTING SITE PERIMETER FENCING AS REQUIRED TO MATCH THE CONDITION OF NEW FENCING OF SIMILAR TYPE
    - D. INTEGRATE EXISTING SITE LIGHTING AND OTHER EXISTING SITE ELECTRICAL ITEMS INTO NEW LABORATORY BUILDING ELECTRICAL SYSTEMS AS SHOWN BY THE ELECTRICAL DRAWINGS
    - E. MODIFY EXISTING IRRIGATION SYSTEM ELEMENTS, PROVIDE NEW IRRIGATION SYSTEM ELEMENTS, AND PROVIDE NEW FINISH LANDSCAPING ACROSS THE ENTIRE PARCEL TO ACHIEVE THE OVERALL LANDSCAPING DESIGN SHOWN BY THE LANDSCAPE DRAWINGS. AT THE CONTRACTOR'S OPTION, ELEMENTS OF THE EXISTING IRRIGATION SYSTEM (AS INSTALLED BY OTHERS AFTER 1 APRIL 1991 FOR USE BY THE INTERIM LANDSCAPING) MAY BE RE-USED PROVIDED THAT SUCH RE-USED ELEMENTS CONFORM WITH THE DESIGN AND QUALITY STANDARDS INDICATED BY THE LANDSCAPE DRAWINGS.
17. ALL EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY, SPECIAL KNOWLEDGE, OR EFFORT AS REQUIRED BY SECTION 3304(C) OF THE 1990 LABC.
18. ALL STRUCTURAL STEEL FABRICATION TO BE BY FABRICATOR LICENSED BY THE CITY OF LOS ANGELES DEPARTMENT OF BUILDING AND SAFETY. ALL WELDING TO BE BY WELDERS CERTIFIED BY THE LOS ANGELES BUILDING DEPARTMENT.

SMP

Stone
Marraccini
Patterson

Architecture
Planning
Interior Architecture

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Spear Street Tower
Suite 400
San Francisco
CA 94105

415 227-0100

David L. Martino
Architect, AIA

LICENSED ARCHITECT — DAVID L. MARTINO — No. 10709 — STATE OF CALIFORNIA

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RUTHERFORD & CHEKENE
303 Second Street, Suite 800 North
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Civil Engineer

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GAYNER ENGINEERS
1133 Post Street
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Mechanical Engineer

Electrical Engineer

KELLER MITCHELL CARONNA
212 Sutter Street, Fifth Floor
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Landscape Architect

EARL WALLS ASSOCIATES
5348 Carroll Canyon Road
San Diego, California 92121

Laboratory Architect

Laboratory Mechanical Engineer

Laboratory Electrical Engineer

Revisions

No		Date
1	BULLETIN NO. 1	

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

GENERAL NOTES

Project No. 19210.01
Date 01 APR 91
B1 BULLETIN
Drawing No. A0.01

000566

DOOR OPENING SYMBOLS

- SINGLE DOOR
- DOOR OPENING SUFFIX (TYPICAL)
- PAIR DOORS, EQUAL SIZES
- PAIR DOORS UNEQUAL SIZES
- DOUBLE ACTING DOOR
- PAIR DOORS EQUAL SIZES, DOUBLE EGRESS
- CASED OPENING
- SLIDING DOOR
- SLIDING POCKET DOOR
- SLIDING DOOR (SHOWN WITH ONE FIXED PANEL)
- ACCORDION DOOR
- FOLDING DOOR
- ROLL-UP DOOR, FACE-OF-WALL MOUNTED
- ROLL-UP DOOR, BETWEEN-JAMBS MOUNTED
- VAULT, WALK-IN REFRIGERATOR OR AUDIO BOOTH DOOR, AS DESIGNATED
- BIFOLD DOOR
- PAIR BIFOLD DOORS
- RADIO FREQUENCY BOOTH DOOR

OTHER OPENING SYMBOLS

- GLAZED PARTITION (G 7)
- WINDOW (W 4)
- LOUVER (L 3)
- PASS-THROUGH WINDOW (P 3)
- GLAZED PASS-THROUGH WINDOW (P 3)
- PASS-THROUGH WINDOW WITH ROLL-UP DOOR (P 3)
- GLAZED PASS-THROUGH WINDOW WITH ROLL-UP DOOR (P 3)

DOOR NUMBERING SYSTEM

THE DOOR OPENING DESIGNATION IS THE ROOM NUMBER INTO WHICH THE DOOR SWINGS FOLLOWED BY THE DOOR OPENING SUFFIX.
- A — DOOR OPENING SUFFIX
- OFFICE B124 — ROOM NAME AND NUMBER
- DOOR NUMBER = B124A

WHEN A DOOR SWINGS INTO AN UNNUMBERED AREA, SUCH AS THE OUTSIDE, THE DOOR OPENING DESIGNATION IS THE ROOM NUMBER FROM WHICH THE DOOR SWINGS FOLLOWED BY THE DOOR OPENING SUFFIX.
- CORRIDOR C240 — ROOM NAME AND NUMBER
- A — DOOR OPENING SUFFIX
- OUTSIDE — UNNUMBERED SPACE
- DOOR NUMBER = C240A

AT DOUBLE ACTING DOORS, THE DOOR OPENING DESIGNATION IS THE ROOM NUMBER INTO WHICH THE SOLID-LINED DOOR SYMBOL SWINGS, FOLLOWED BY THE DOOR OPENING SUFFIX.
- OFFICE 4-155, LAB 4-150 — ROOM NAMES AND NUMBERS
- A — DOOR OPENING SUFFIX
- DOOR NUMBER = 4-150A

THE CASED OPENING DESIGNATION IS THE ROOM NUMBER INTO WHICH THE CASED OPENING SUFFIX APPEARS FOLLOWED BY THE CASED OPENING SUFFIX.
- A — CASED OPENING SUFFIX
- OFFICE 34T — ROOM NAME AND NUMBER
- CASED OPENING NUMBER = 34TA

AT SLIDING DOORS, THE DOOR OPENING DESIGNATION IS THE ROOM NUMBER INTO WHICH THE DOOR OPENING SUFFIX APPEARS FOLLOWED BY THE DOOR OPENING SUFFIX.
- F, A — DOOR OPENING SUFFIX
- OFFICE 2-228 — ROOM NAME AND NUMBER
- DOOR NUMBER = 2-228A

FLOOR PLAN SYMBOLS

- DIMENSION LINES
- COLUMN OR DIMENSIONAL CENTER LINE
- DIMENSION TO CENTER LINE OF WALL OR PARTITION
- DIMENSION TO STRUCTURAL FACE OF WALL OR PARTITION
- DIMENSION TO FACE OF PARTITION AS SHOWN BY PARTITION DETAILS
- DIMENSION TO CENTER LINE OF OPENING
- DIMENSION TO CENTER LINE OF COLUMN OR WALL
- CLEAR — CLEAR DIMENSION: FINISH FACE TO FINISH FACE
- PLUMBING OR PIPE CHASE WALL, THICKNESS AS DESIGNATED
- A.DR., A.P. — ACCESS DOOR OR ACCESS PANEL AS DESIGNATED
- CEILING OR WALL ACCESS DOOR OR PANEL, AS DESIGNATED
- G.B., H.R., B.G. — GRAB BAR, HANDRAIL OR BUMPER GUARD, AS DESIGNATED
- L2, CO142 — MODULAR CASE-WORK WALL STRIPS; MODULAR CASE-WORK ITEM NUMBERS
- P.T.S. — PNEUMATIC TUBE STATION
- P.P. — PUSH PLATE FOR AUTOMATIC DOOR UNIT
- E.P.B. — ELECTRICAL PANEL BOARD, RECESSED OR SURFACE-MOUNTED
- F.E. — FIRE EXTINGUISHER, SURFACE-MOUNTED
- F.E.C. — FIRE EXTINGUISHER CABINET, RECESSED OR SURFACE-MOUNTED
- F.H.C. — FIRE HOSE CABINET, RECESSED OR SURFACE-MOUNTED
- F.H./F.E.C. — FIRE HOSE/ FIRE EXTINGUISHER CABINET, RECESSED OR SURFACE-MOUNTED
- F.H.V. — FIRE HOSE VALVE CABINET, RECESSED OR SURFACE-MOUNTED
- SHOWER
- BATHTUB
- TOILET, TANK TYPE
- TOILET, WALL HUNG
- URINAL
- L — LAVATORY
- S — SINK
- CS — CLINICAL SINK
- SS — SERVICE SINK
- 8'-0", 9'-0" — CEILING TRANSITION NUMBERS INDICATE CEILING HEIGHTS
- 8'-0", 7'-0", 9'-0" — INTERMEDIATE CEILING TRANSITION NUMBERS INDICATE CEILING HEIGHTS
- 7'-0" — ALCOVE, SOFFIT: NUMBER INDICATES SOFFIT HEIGHT
- ROOM TRANSITION: USED IN OPEN AREAS THAT ARE DIVIDED INTO SEPARATE AREAS
- N.I.C. — NOT-IN-CONTRACT ITEMS
- OVER-HEAD ITEMS (I.E. CEILING-MOUNTED EQUIPMENT, WALL-MOUNTED CASEWORK, ETC.), UNDER-COUNTER ITEMS OR CONCEALED ITEMS, AS DESIGNATED
- C.C.T., D.T., I.V.T. — CUBICLE CURTAIN, DRAPERY, OR INTRA-VENOUS TRACK, AS DESIGNATED
- C.G. — CORNER GUARD
- E.G. — EDGE GUARD
- +A — AIR OUTLET
- +DE — DEIONIZED WATER OUTLET
- +DI — DISTILLED WATER OUTLET
- +MA — MEDICAL AIR OUTLET
- +MG — MEDICAL GAS OUTLET
- +MV — MEDICAL VACUUM OUTLET
- +NG — NATURAL GAS OUTLET
- $+N_2$ — NITROGEN OUTLET
- +N — NITROUS OXIDE OUTLET
- +O — OXYGEN OUTLET
- +V — VACUUM OUTLET
- M.G. — MEDICAL GAS SHUT-OFF AND ALARM BOX, RECESSED
- T.P.B. — TELEPHONE PANEL-BOARD
- T.P.C. — TELEPHONE PANEL-BOARD CABINET, RECESSED OR SURFACE-MOUNTED
- V.B. — VALVE BOX, RECESSED OR SURFACE-MOUNTED
- V.V. — CENTRAL VACUUM SYSTEM VALVE, IN WALL, HEIGHT ABOVE FINISH FLOOR AS DESIGNATED
- D.F. — DRINKING FOUNTAIN, RECESSED OR SURFACE MOUNTED
- LAV., D.F. — PLUMBING FIXTURES FOR HANDICAPPED
- JANITORS' RECEPTOR
- M.C. — MEDICINE CABINET, RECESSED OR SURFACE-MOUNTED
- TOILET PARTITION AND DOOR
- +HB — HOSE BIBB
- F.D. — FLOOR DRAIN
- WALL DRAIN
- F.S. — FLOOR SINK
- SP. — STANDPIPE

ARCHITECTURAL MATERIAL SYMBOLS

- EARTH AT NEW GRADIENT
- ROCK FILL, GRAVEL, O.A.D.*
- ASPHALTIC CONCRETE
- CONCRETE, CAST-IN-PLACE
- CONCRETE, PRECAST
- CONCRETE MASONRY UNIT
- STONE, GRANITE MARBLE, O.A.D.*
- BRICK
- METAL: TYPE AS DESIGNATED
- SHEET METAL: TYPE AS DESIGNATED
- ROUGH WOOD
- WOOD BLOCKING
- FINISHED WOOD
- PLYWOOD, PARTICLE BOARD, O.A.D.*
- GYPSUM WALL-BOARD, GYPSUM SHEATHING, O.A.D.* — VENEER PLASTER
- PLASTER ON METAL LATH — PLASTER
- PLASTIC LAMINATE, ON BASE MATERIAL AS DESIGNATED
- SPRAYED FIREPROOFING
- INSULATION, BATT: THERMAL, ACOUSTICAL, O.A.D.*
- INSULATION, RIGID: SAFING, THERMAL, ACOUSTICAL, O.A.D.*
- ACOUSTICAL TILE, ACOUSTICAL PANEL, O.A.D.*
- TILE: MOSAIC, CERAMIC, QUARRY, O.A.D.*
- GLASS
- RESILIENT FLOORING: VINYL COMPOSITION TILE, SHEET VINYL, O.A.D.*
- CARPET, CARPET TILE, O.A.D.*
- RESINOUS FLOORING: TERRAZZO, TROWEL-ON, O.A.D.*
- PREFORMED METAL PANEL

EQUIPMENT SYMBOLS

CS/004	CENTRAL SUPPLY	PH/004	PHARMACY
DE/004	DENTAL	PF/004	PULMONARY FUNCTION
FI/004	FILM ILLUMINATOR	XR/004	RADIOGRAPHIC, DARK ROOM AND NUCLEAR
FR/004	FURNITURE/ FURNISHINGS	RM/004	REFRIGERATOR, MEDICAL
HK/004	HOUSEKEEPING	RE/004	RESIDENTIAL
LB/004	LABORATORY	SH/004	SHOP
LN/004	LAUNDRY	ST/004	STERILIZER AND ASSOCIATED EQUIPMENT
ME/004	MEDICAL	TV/004	TELEVISION, TV STUDIO
OE/004	OFFICE	TH/004	THERAPY
OL/004	OPERATING LIGHT		

FOOD SERVICE EQUIPMENT SYMBOLS

BA/004	BAKERY	PR/004	PREPARATION
CL/004	CAFETERIA LINE	RS/004	RECEIVING AND STORAGE
CS/004	COFFEE SHOP	RF/004	REFRIGERATION
CK/004	COOKING	SC/004	SCULLERY
DW/004	DISHWASHING	TM/004	TRAY MAKE-UP
EX/004	EXHAUST VENTILATOR	VM/004	VENDING MACHINE

REFLECTED CEILING PLAN SYMBOLS

- ACOUSTICAL PANEL NOTE 2
- GYPSUM BOARD
- PLASTER, CONCRETE OR AS DESIGNATED
- ACOUSTICAL TILE NOTE 2; ACCESS TILE NOTE 4
- ACCESS DOOR, TYPE AS DESIGNATED BY LETTER, 24" x 24", UNLESS OTHERWISE NOTED; NOTE 4
- CEILING SEPARATION JOINT
- SPECIAL CEILING BRACE
- C.C.T., D.T., I.V.T. — CUBICLE CURTAIN, DRAPERY, OR INTRA-VENOUS TRACK, AS DESIGNATED
- DIFFUSER NOTE 3
- SPRINKLER NOTE 3
- (E) — EXISTING SPRINKLER NOTE 3
- SPKR — SPEAKER NOTE 3
- POC — PRODUCTS OF COMBUSTION DETECTOR NOTE 3
- NURSES CALL LIGHT, CEILING MOUNTED NOTE 3
- CEILING EXIT LIGHT WITH ARROW, WHERE SHOWN NOTE 3
- 2'x4' FLUORESCENT LIGHT FIXTURE NOTE 3
- 1'x4' FLUORESCENT LIGHT FIXTURE NOTE 3
- 2'x2' FLUORESCENT LIGHT FIXTURE NOTE 3
- INCANDESCENT LIGHT FIXTURE NOTE 3
- WALL-MOUNTED LIGHT FIXTURE BELOW; NOTE 3

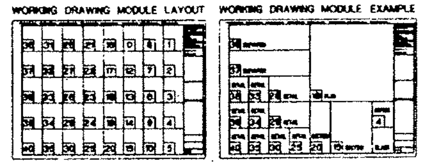
NOTES
1. TYPICAL CEILING HEIGHT IS 8'-0", UNLESS OTHERWISE NOTED ON THE FLOOR PLANS OR THE REFLECTED CEILING PLANS.
2. SEE FLOOR PLAN AND "ROOM FINISH AND MATERIAL SCHEDULE" FOR TYPE.
3. SEE ELECTRICAL, MECHANICAL, PLUMBING AND/OR HVAC CONTRACT DOCUMENTS.
4. COORDINATE LOCATION OF ACCESS PANEL OR ACCESS DOOR WITH LOCATION OF EQUIPMENT ITEM.

REFERENCE SYMBOLS

- 38 / A8.2 — DETAIL: DETAIL NUMBER, DRAWING NUMBER
- 33 / A7.3 — SECTION/DETAIL
- 15 / A8.2 — SECTION
- 30 / A7.3 — ENLARGED DETAIL: AREA OF ENLARGED DETAIL
- 15 / A3.7 — ENLARGED PLAN: AREA OF ENLARGED PLAN
- 19 / A4.3 — ELEVATIONS: DIRECTION OF VIEW. (ELEVATION INDICATES NORTH, EAST, SOUTH, OR WEST)
- 10 — KEYNOTE
- B — REVISION
- EXTENT OF REVISION — THE REVISION SYMBOL IS INSIDE THE CLOUD BOUNDARY AND REFERENCED TO IT
- B, 5 — COLUMN LINES
- B4 — PARTITION AND FURRING
- MATCH LINE (A2.07 / A2.08)

DETAIL NUMBERING SYSTEM

WORKING DRAWING MODULE LAYOUT — WORKING DRAWING MODULE EXAMPLE



PLANS, ELEVATIONS, SECTIONS AND DETAILS ARE NUMBERED ACCORDING TO A MODULE AS SHOWN IN THE LEFT ILLUSTRATION.

THE LOCATION OF THE MODULE NUMBER (I.E. [] OR []), IN THE LOWER LEFT HAND CORNER OF ONE OR SEVERAL MODULES, DETERMINES THE NUMBER OF THE PLAN, ELEVATION, SECTION OR DETAIL, AS SHOWN IN THE RIGHT ILLUSTRATION. ALTHOUGH THE MODULE NUMBERS OCCUR IN CONSECUTIVE ORDER, NOT ALL MODULE NUMBERS ARE NECESSARILY USED.

ROOM NAME, ROOM NUMBER, AND ROOM FINISH AND MATERIAL DESIGNATION SYSTEM

- 4-130 — ROOM NUMBER
- OFFICE — ROOM NAME
- 5A3(B) — ROOM FINISH AND MATERIAL DESIGNATION
  - FIRST NUMBER = FLOOR/BASE FINISH AND MATERIAL
  - SECOND LETTER = WALL FINISH AND MATERIAL
  - THIRD NUMBER = CEILING FINISH AND MATERIAL
  - PARENTHESES = TOILET ACCESSORY GROUP DESIGNATION
- 11'-8" — CEILING HEIGHT IF OTHER THAN TYPICAL. TYPICAL CEILING HEIGHTS ARE NOT SHOWN. CEILING HEIGHTS ARE SHOWN ON THE FLOOR PLANS, IF THEY ARE NOT SHOWN ON THE REFLECTED CEILING PLANS.

SHEET NOTES

SUPPLEMENTAL ABBREVIATIONS

ARCHITECTURAL ABBREVIATIONS

A

A.B.	ANCHOR BOLT
ABV.	ABOVE
A/C	AIR CONDITIONING
A.C.	ASPHALT CONCRETE
A.C.T.	ACOUSTIC CEILING TILE
ACOUS.	ACOUSTIC(AL)
A.D.	AREA DRAIN
A.DR.	ACCESS DOOR
ADD.	ADDENDUM
ADHES.	ADHESIVE
ADJ.	ADJUSTABLE
AGGR.	AGGREGATE
ALT.	ALTERNATE
ALUM.	ALUMINUM
ANOD.	ANODIZED
A.P.	ACCESS PANEL
APPROX.	APPROXIMATE
A.R.	ASH RECEPTACLE
ARCH.	ARCHITECTURE OR ARCHITECTURAL
ASPH.	ASPHALT
AUTO.	AUTOMATIC

B

BD.	BOARD
BITUM.	BITUMINOUS
BLDG.	BUILDING
BLK.	BLOCK
BLKG.	BLOCKING
BM.	BEAM
B.O.	BOTTOM OF
BRKT.	BRACKET
BSMT.	BASEMENT
BTWN.	BETWEEN
B.U.R.S.	BUILT-UP ROOFING SYSTEM

C

CAB.	CABINET
C.B.	CATCH BASIN
CB	CHALKBOARD
C.C.T.	CUBICLE CURTAIN TRACK
CCTV	CLOSE CIRCUIT TELEVISION
CEM.	CEMENT
CER.	CERAMIC
C.I.	CAST IRON
C.J.	CONTROL JOINT
C.G.	CORNER GUARD
CLG.	CEILING
CLKG.	CAULKING
CLR.	CLEAR
C.M.U.	CONCRETE MASONRY UNIT
C.O.	CASED OPENING
COL.	COLUMN
CONC.	CONCRETE
COND.	CONDUCTIVE
CONF.	CONFIRM
CONN.	CONNECTION
CONST.	CONSTRUCTION OR CONSTRUCT
CONT.	CONTINUOUS
CORR.	CORRIDOR
CNTR.	COUNTER
CPT.	CARPET
C.R.	CURTAIN ROD
C.R.T.	CATHODE RAY TUBE
C.S.P.	COMBINATION STANDPIPE
C.T.	CERAMIC TILE
CTSK.	COUNTERSINK
CTR.	CENTER
CUST.	CUSTOM
C.W.	COLD WATER

D

D.	DEEP OR DEPTH, DRAIN
DEM.	DEMOLISH
DBL.	DOUBLE
DET.	DETAIL
D.F.	DRINKING FOUNTAIN
DIA.	DIAMETER
DIAG.	DIAGONAL
DIM.	DIMENSION
DISP.	DISPENSER
DN.	DOWN
D.O.	DOOR OPENING
D.P.	DAMP-PROOFING
DR.	DOOR
DRW.	DRAWER
DS.	DOWNSPOUT
D.S.P.	DRY STANDPIPE
DW.	DUMBWAITER
DWG.	DRAWING

E

(E)	EXISTING
E.	EAST
EA.	EACH
E.G.	EDGE GUARD
E.J.	EXPANSION JOINT
EL.	ELEVATION
ELEC.	ELECTRICAL
ELEV.	ELEVATOR
EMER.	EMERGENCY
ENCL.	ENCLOSURE
ENGR.	ENGINEER
E.P.B.	ELECTRICAL PANEL BOARD
EQ.	EQUAL
EQUIP.	EQUIPMENT
E.W.C.	ELECTRIC WATER COOLER
EXIST.	EXISTING
EXP.	EXPANSION
EXPO.	EXPOSED
EXT.	EXTERIOR

F

F.A.	FIRE ALARM
FAST.	FASTENER
F.A.T.T.S.	FLUID-APPLIED TRAFFIC TOPPING SYSTEM
F.A.W.S.	FLUID-APPLIED WATERPROOFING SYSTEM
F.BD.	FIBER BOARD
F.B.O.	FURNISHED BY OTHERS
F.C.	FOOT CONTROL
F.C.U.	FAN COIL UNIT
F.D.	FLOOR DRAIN
FDN.	FOUNDATION
F.E.	FIRE EXTINGUISHER
F.E.C.	FIRE EXTINGUISHER CABINET
F.F.	FACTORY FINISH
FIN. FL.	FINISH FLOOR
F.H.	FIRE HYDRANT
F.H.C.	FIRE HOSE CABINET
F.H.M.S.	FLAT HEAD MACHINE SCREW
F.H.S.	FLAT HEAD SCREW
F.H.W.S.	FLAT HEAD WOOD SCREW
F.I.	FILM ILLUMINATOR
FIN.	FINISH(ED)
FIXT.	FIXTURE
FL.	FLOOR(ING)
FL.SK.	FLOOR SINK
FLASH.	FLASHING
FLEX.	FLEXIBLE
FLUOR.	FLUORESCENT
F.N.T.D.	FEMININE NAPKIN-TAMPON DISPENSER
F.N.R.	FEMININE NAPKIN RECEPTACLE
F.O.	FACE OF
F.O.C.	FACE OF CONCRETE
F.O.F.	FACE OF FINISH
F.O.P.	FACE OF PARTITION
F.O.S.	FACE OF STUDS
F.O.W.	FACE OF WALL
FPRF.	FIREPROOF(ING)
FRZR.	FREEZER
F.S.	FULL SIZE
FT.	FOOT, FEET
FTG.	FOOTING
FURR.	FURRING
F.U.S.	FOLDING UTILITY SHELF
FUT.	FUTURE

G

GA.	GAUGE OR GAGE
GALV.	GALVANIZED
G.B.	GRAB BAR
G.C.	GENERAL CONTRACTOR
GFRC	GLASS FIBER REINFORCED CONCRETE
GFRG	GLASS FIBER REINFORCED GYPSUM
GL.	GLASS OR GLAZING
GR.	GRADE
GRD.	GROUND
GT.	GROUT
GYP.	GYPSUM
GYP. BD.	GYPSUM BOARD OR GYPSUM WALLBOARD

H

H.	HIGH
H.B.	HOSE BIBB
H.C.	HOLLOW CORE
HCP.	HANDICAP, HANDICAPPED
HD.	HEAD
HDBD.	HARDBOARD
HDWD.	HARDWOOD
HDWRE.	HARDWARE
H.M.	HOLLOW METAL
HNDRL.	HANDRAIL
HORIZ.	HORIZONTAL
H.PT.	HIGH POINT
HR.	HOUR
HT.	HEIGHT
H.V.P.	HARDWOOD VENEER PLYWOOD
HVAC	HEATING, VENTILATION, AIR CONDITIONING
H.W.	HOT WATER

I

INC.	INCANDESCENT
INCL.	INCLUDE OR INCLUDING
I.D.	INSIDE DIAMETER OR DIMENSION
IN.	INCH
INFO.	INFORMATION
INSUL.	INSULATION OR INSULATED
INT.	INTERIOR
INTER.	INTERMEDIATE
IS.	ISLAND

J

J.S.	JANITOR'S SINK
JAN.	JANITOR
JT.	JOINT

K

K.C.	KEENE'S CEMENT
K.P.	KICKPLATE
K.S.	KNEE SPACE
KIT.	KITCHEN

L

L.	LONG OR LENGTH
LAM.	LAMINATE
LAV.	LAVATORY
LB.	POUND
L.C.	LINEN CHUTE
L.H.	LEFT HAND
L.L.	LEAD-LINED
LONG.	LONGITUDINAL
L.P.	LIGHT-PROOF
L.P.S.	LIGHT-PROOF SHADE
L.PT.	LOW POINT
L.S.	LIGHT STANDARD
LT.	LIGHT

M

MACH.	MACHINE
MAINT.	MAINTENANCE
MATL.	MATERIAL
MAX.	MAXIMUM
M.B.	MACHINE BOLT
MED.CAB.	MEDICINE CABINET
MECH.	MECHANICAL
MEMB.	MEMBRANE
MET.	METAL
MFR.	MANUFACTURER
MH.	MANHOLE
MIN.	MINIMUM
MIR.	MIRROR
MIR.W.	MIRROR, WHEELCHAIR
MISC.	MISCELLANEOUS
MET.L.	METAL LATH
M.O.	MASONRY OPENING
MOD.	MODULAR
MTD.	MOUNTED
MTG.	MOUNTING
MUL.	MULLION

N

(N)	NEW
N.	NORTH
N.I.C.	NOT IN CONTRACT
NO.	NUMBER
NOM.	NOMINAL
N.P.S.	NOMINAL PIPE SIZE
N.T.S.	NOT TO SCALE

O

OA.	OVERALL
OBS.	OBSCURE, OBSCURED
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER OR OUTSIDE DIMENSION
O.D.	OVERFLOW DRAIN
O.H.	OPPOSITE HAND
O.P.C.I.	OWNER PROVIDED AND CONTRACTOR INSTALLED
OPG.	OPENING
OPP.	OPPOSITE

P

P.	PAINT
PAR.	PARALLEL
PART.	PARTIAL
PARTN.	PARTITION - SEE ALSO PTN
PAV.	PAVING OR PAVEMENT
P.B.	PANEL BOARD
PBD.	PEG BOARD
PBX.	PUBLIC EXCHANGE (TELEPHONE)
P.C.	PORTLAND CEMENT
P.C.D.	PAPER CUP DISPENSER
P.D.F.	POWDER DRIVEN FASTENER
PERF.	PERFORATE, PERFORATED
PL.	PLATE
P.L.	PROPERTY LINE
P.LAM.	PLASTIC LAMINATE
PLAS.	PLASTER
PLAT.	PLATFORM
P.L.F.	PER LINEAL FOOT
PLUMB.	PLUMBING
PLYWD.	PLYWOOD
P.M.R.S.	PREFORMED METAL ROOFING SYSTEM
PNL.	PANEL
PORT.	PORTABLE
P.P.	POWER POLE
PR.	PAIR
PRCST.	PRE-CAST
PROJ.	PROJECTION
PREFAB.	PREFABRICATED
P.S.F.	PER SQUARE FOOT
P.S.I.	PER SQUARE INCH
PT.	POINT
P.T.D.	PAPER TOWEL DISPENSER
P.T.D/R.	PAPER TOWEL DISPENSER AND RECEPTACLE
PTN.	PARTITION - SEE ALSO PARTN.
P.T.R.	PAPER TOWEL RECEPTACLE
PVMT.	PAVEMENT

Q

Q.T.	QUARRY TILE
QTY.	QUANTITY

R

(R)	REMOVE
R.	RADIUS OR RISER
R.A.	RETURN AIR
R.D.	ROOF DRAIN
REFR.	REFRIGERATOR
REV.	REVISION
REINF.	REINFORCED
REQ'D.	REQUIRED
RESIL.	RESILIENT
RGTR.	REGISTER
R.H.	ROBE HOOK OR RIGHT HAND
RM.	ROOM
R.O.	ROUGH OPENING
RWL.	RAINWATER LEADER

S

S.	SOUTH
S.C.	SOLID CORE
S.C.D.	SEAT COVER DISPENSER
S.C.R.	SHOWER CURTAIN ROD
SCHED.	SCHEDULE
SCR.	SCREEN
S.D.	SOAP DISH OR SMOKE DETECTOR
S.D.L.	SOAP DISPENSER, LIQUID
S.D.P.	SOAP DISPENSER, POWDER
SECT.	SECTION
SEP.	SEPARATION OR SEPARATE
S.F.	SQUARE FEET
SHR.	SHOWER
SHT.	SHEET
SIM.	SIMILAR
S.J.	SEPARATION JOINT
SK.	SINK
S.M.S.	SHEET METAL SCREW
S.M.D.	SEE MECHANICAL DRAWINGS
S.P.D.	SEE PLUMBING DRAWINGS
SP.	SPACE
SPR.	SPRINKLER
SPKR.	SPEAKER
SQ.	SQUARE
S.SK.	SERVICE SINK
S.S.D.	SEE STRUCTURAL DRAWINGS
S.STL.	STAINLESS STEEL
S.T.C.	SOUND TRANSMISSION CLASS
STOR.	STORAGE
STD.	STANDARD
STGD.	STAGGERED
STL.	STEEL
STRUCT.	STRUCTURAL OR STRUCTURE
SUSP.	SUSPENDED
SYM.	SYMMETRICAL

T

T.	TILE
T.B.	TOWEL BAR
TEL.	TELEPHONE
TEMP.	TEMPERED OR TEMPERATURE
TER.	TERRAZZO
THERM.	THERMAL
THK.	THICK
THRES.	THRESHOLD
T.O.	TOP OF
T.O.C.	TOP OF CURB OR TOP OF CONCRETE
T.O.P.	TOP OF PAVEMENT
T.O.R.W.	TOP OF RETAINING WALL
T.O.S.	TOP OF STEEL
T.O.W.	TOP OF WALL
T.P.B.	TELEPHONE PANELBOARD
T.P.D.	TOILET PAPER DISPENSER
TRD.	TREAD
T.S.C.D.	TOILET SEAT COVER DISPENSER
TV	TELEVISION
TYP.	TYPICAL

UVWXYZ

UNEXC.	UNEXCAVATED
UNF.	UNFINISHED
U.O.N.	UNLESS OTHERWISE NOTED
UR.	URINAL
V.C.T.	VINYL COMPOSITION TILE
VEN.	VENEER
VERT.	VERTICAL
VEST.	VESTIBULE
VFY.	VERIFY
V.I.F.	VERIFY IN FIELD
V.P.	VIEW PANEL
V.PLAS.	VENEER PLASTER
V.T.	VINYL TILE
V.W.C.	VINYL WALL COVERING
W.	WEST
W/	WITH
W.C.	WATER CLOSET
WD.	WOOD
WDW.	WINDOW
W.G.	WIRE GLASS
W/O	WITHOUT
W.O.	WHERE OCCURS
WP.	WATERPROOF(ING)
W.R.	WATER RESISTANT
WSCT.	WAINSCOT
WT.	WEIGHT

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SMP

Stone Marraccini Patterson

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Revisions

No. — Date

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North Hollywood · Los Angeles California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

ARCHITECTURAL ABBREVIATIONS AND SYMBOLS

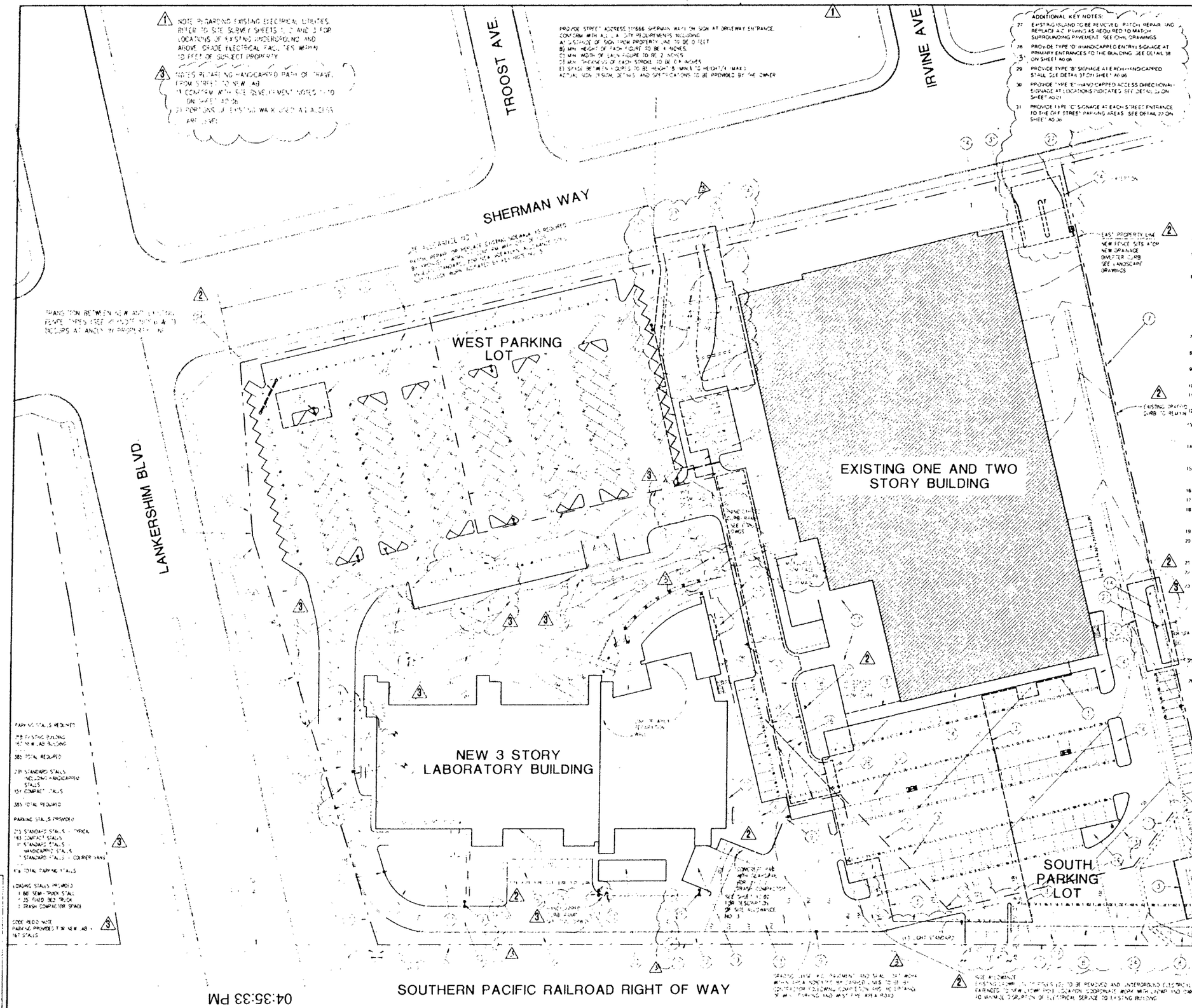
Project No. 19210.01

Date 01 APR 1991

B BIDDING

Drawing No. A0.02

ARCH ABBREV & SYMBOLS — 19210.01 — A0.02



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KEY NOTES

1. 8'-0" HIGH 9-GAUGE 2" SQUARE MESH GALV. CHAIN LINK TEMPORARY CONSTRUCTION FENCE EXCEPT AS SPECIFICALLY NOTED ON THIS SHEET. SEE KEY NOTE NO 2 AND OTHER NOTES ON THE SHEET AS WELL AS CIVIL AND LANDSCAPE DRAWINGS. CONSTRUCTION FENCE GENERALLY REPRESENTS LIMITS OF WORK
2. EXCEPT WITHIN THOSE AREAS SPECIFICALLY NOTED AND ENCLOSED BY DASHED LINES SITE DEVELOPMENT (EXCLUDING FINISH LANDSCAPING) EAST OF THE TEMPORARY CONSTRUCTION FENCE IS TO BE BUILT BY OTHERS UNDER SEPARATE PERMITS PRIOR TO THE START OF CONSTRUCTION AND MAY VARY FROM THAT SHOWN HERE. THE CONTRACTOR SHALL COORDINATE THE SITE DEVELOPMENT WORK WITHIN THE LIMITS OF WORK WITH THOSE CONDITIONS ACTUALLY FOUND ADJACENT. UPON REMOVAL OF THE TEMPORARY CONSTRUCTION FENCE THE CONTRACTOR SHALL COMPLETE THE PARKING LOT STRIPING PATTERN AND INSTALL PARK STALL BUMPERS AS REQUIRED OUTSIDE THE LIMITS OF WORK TO COMPLETE THE PARKING STALL LAYOUT SHOWN HERE

   WHERE INDICATED AS "EXCEPTION" BY THE KEYNOTE CERTAIN SITE DEVELOPMENT WORK (SUCH AS GRADING, PAVING, AND CURBS) EAST OF THE TEMPORARY CONSTRUCTION FENCE AND WITHIN THE AREA INDICATED BY DASHED LINES IS A PART OF THE WORK OF THIS PROJECT AND MUST BE COMPLETED BY THE CONTRACTOR. SEE CIVIL DRAWINGS FOR ADDITIONAL INFORMATION
3. DEMOLITION OF EXISTING STRUCTURES BY OTHERS UNDER SEPARATE PERMITS PRIOR TO THE START OF CONSTRUCTION
4. LINE OF 51 FOOT OPEN YARD REQUIRED FOR EXISTING BUILDING ON SITE
5. CLOSE UNUSED EXISTING CURB CUTS IN CONFORMANCE WITH CITY OF LOS ANGELES STANDARDS. SEE CIVIL ENGINEERING DRAWINGS
6. NEW 8'-0" HIGH CHAIN LINK PERIMETER SECURITY FENCE - SEE LANDSCAPE DRAWINGS FOR DETAILS

   ADD ALTERNATE: 8'-0" HIGH WROUGHT IRON PERIMETER SECURITY FENCE. SEE LANDSCAPE DRAWINGS FOR DETAILS

   FENCE IDENTIFIED BY KEYNOTE NO. 6 EXTENDS TO ANGLE POINT OF PROPERTY LINE NEAR CENTER OF LANKERSHIM BLVD. FRONTAGE
7. REPLACE EXISTING CHAIN LINK FENCE WITH NEW SIMILAR CHAIN LINK SECURITY FENCE - SEE LANDSCAPE
8. STORM DRAINAGE OUTFALL. SEE CIVIL ENGINEERING DRAWINGS
9. NEW SITE LIGHTING. SEE CIVIL, LANDSCAPE, AND ELECTRICAL DRAWINGS
10. NEW FIRE HYDRANT. SEE CIVIL ENGINEERING DRAWINGS
11. SEE LANDSCAPE DRAWINGS FOR DETAILS OF HARDSCAPE, ENTRY PODS AND SIDEWALKS
12. EXISTING ELECTRICAL UTILITY EASEMENT. SEE SITE SURVEY DRAWINGS
13. CONTOUR LINES SHOWN FOR REFERENCE ONLY. SEE CIVIL ENGINEERING AND LANDSCAPE ARCHITECTURE DRAWINGS FOR ROUGH AND FINISH GRADING
14. FINISH LANDSCAPING EXTENDS BEYOND CONSTRUCTION FENCE SHOWN HERE. SEE LANDSCAPE DRAWINGS FOR SCOPE OF WORK INCLUDED
15. NEW ELECTRICAL UTILITY POLE. SEE DRAWINGS PROVIDED BY LOS ANGELES DEPARTMENT OF WATER AND POWER FOR ADDITIONAL INFORMATION
16. COURIER VAN PARKING
17. MECHANICAL EQUIPMENT YARD
18. FIRE DEPARTMENT ACCESS ROAD. PROVIDE SIGNAGE AND CURB MARKINGS AS REQUIREMENT BY THE LOS ANGELES FIRE DEPARTMENT
19. LOADING DOCK AND TRASH COMPACTOR
20. H-3 OCCUPANCY HAZARDOUS STORAGE BUILDING. SOUTH FACADE OF BUILDING TO BE AT LEAST 50 FEET FROM SOUTHERN PROPERTY LINE
21. EXISTING FIRE HYDRANT
22. TEMPORARY CONSTRUCTION GATE AND CONTRACTOR'S SITE ACCESS
23. EXISTING MOTORIZED ENTRY GATE, SECURITY CAMERA, CARD KEY ACCESS, AND INTERCOM TO BE RELOCATED TO ACHIEVE CONFIGURATION SHOWN. ADDITIONAL GATES AND DEVICES MAY BE REQUIRED. CONTRACTOR TO COORDINATE THE CONNECTION, IF ANY, OF THESE SECURITY SYSTEMS WITH THE LABORATORY BUILDING SECURITY SYSTEM. SEE ALSO SHEET A0.07
24. DEMOLITION OF EXISTING STRUCTURES BY OTHERS UNDER SEPARATE PERMITS PRIOR TO THE START OF CONSTRUCTION
25. PARKING LOT STRIPING AND STEEL BUMPERS. SEE CIVIL ENGINEERING DRAWINGS FOR ADDITIONAL INFORMATION
26. INSTALLATION OF MAIN STORM DRAIN - SEE CIVIL DRAWINGS - REQUIRES WORK EAST OF TEMPORARY CONSTRUCTION FENCE. CONTRACTOR TO PROVIDE ACCESS ACROSS OR AROUND WORK AT ALL TIMES TO EXISTING SOUTH EAST PARKING LOT. CONTRACTOR TO SUBMIT FOR OWNER'S APPROVAL PLANS ALLOCATING ALTERNATE ACCESS ROUTES AND SCHEDULE OF CONSTRUCTION FOR ALL WORK EAST OF THE TEMPORARY CONSTRUCTION FENCE. PATCH, REPAIR OR REPLACE EXISTING AC PAVEMENT AS REQUIRED BY ARCHITECT AFTER INSTALLATION OF STORM DRAIN

ADDITIONAL KEY NOTES:

27. EXISTING ISLAND TO BE REMOVED. PATCH, REPAIR, AND REPLACE A.C. PAVING AS REQUIRED TO MATCH SURROUNDING PAVEMENT. SEE CIVIL DRAWINGS
28. PROVIDE TYPE "D" HANDICAPPED ENTRY SIGNAGE AT PRIMARY ENTRANCES TO THE BUILDING. SEE DETAIL 38 ON SHEET A0.06
29. PROVIDE TYPE "B" SIGNAGE AT EACH HANDICAPPED STALL. SEE DETAIL 37 ON SHEET A0.06
30. PROVIDE TYPE "E" HANDICAPPED ACCESS DIRECTIONAL SIGNAGE AT LOCATIONS INDICATED. SEE DETAIL 39 ON SHEET A0.07
31. PROVIDE TYPE "C" SIGNAGE AT EACH STREET ENTRANCE TO THE OFF STREET PARKING AREAS. SEE DETAIL 37 ON SHEET A0.06

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Revisions

No.		Date
1	ADDENDUM NO. 1	5-15-91
2	ADDENDUM NO. 2	6-10-91
3	BULLETIN NO. 1	

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

SITE DEVELOPMENT PLAN

SCALE: 1 INCH EQUALS 30 FEET

Project No		Drawing No
19210.01	B 1 BULLETIN	A0.03
Date		

000568

SCHEDULE OF CONSTRUCTION REQUIREMENTS AND OF MATERIALS TO BE FURNISHED BY THE CUSTOMER.

1 THE DEPARTMENT OF WATER AND POWER (DWP) WILL NOT EQUIP THE TRANSFORMER ENCLOSURE UNTIL ALL OF THE REQUIREMENTS OF THIS DRAWING HAVE BEEN COMPLETED AND APPROVED BY A DWP DESIGN ENGINEER.

IT IS EXPECTED THAT IT WILL TAKE DWP APPROXIMATELY 3 MONTHS FROM THE TIME THE ENCLOSURE HAS BEEN APPROVED BY A DWP DESIGN ENGINEER TO BUILD BOTH THE ON-SITE AND OFF-SITE FACILITIES NECESSARY TO PROVIDE THE PERMANENT ELECTRIC SERVICE TO THIS PROJECT.

IT IS THEREFORE, THE RESPONSIBILITY OF THE OWNER OR OWNER'S REPRESENTATIVE TO INFORM DWP IN WRITING OF THE MOST ACCURATE PERMANENT SERVICE DATE AT LEAST 8 MONTHS PRIOR TO THE SERVICE DATE.

CHANGES IN SERVICE DATE MUST BE SUBMITTED IN WRITING TO THE DESIGN ENGINEER. FAILURE TO DO SO COULD DELAY ENERGIZING THE SWITCHBOARD.

2 PROVIDE A TRANSFORMER ENCLOSURE COMPLETE AS SHOWN ON THIS DRAWING. PIPES OR DUCTS FOREIGN TO THIS INSTALLATION SHALL NOT BE RUN IN OR UNDER THE ENCLOSURE. THE ENCLOSURE SHALL BE LOCATED SO THAT THE DWP WILL HAVE ACCESS FOR CONSTRUCTION OR MAINTENANCE TRUCKS AND EQUIPMENT, AND HAVE IMMEDIATE ACCESS FOR MAINTENANCE, REPAIRS AND SWITCHING 24 HOURS A DAY. PROVIDE KEYS FOR ALL INTERMEDIATE DOORS OR GATES. THE CUSTOMER WILL PROVIDE A BUILT-IN BOX WITH A YALE AND TOWNE LOCK CYLINDER WITH SIX-PIN TUMBLER, 'O' BITTING, AND AN 'SA' KEYWAY.

3 PROVIDE A FENCE WITH A 6" X 6" CONCRETE CURB FOR THE ENCLOSURE. THE FENCE IS TO BE 9-GAUGE, 2" SQUARE MESH GALVANIZED CHAIN LINK FABRIC. PROVIDE TWO PERSONNEL GATES WITH A YALE AND TOWNE LOCK CYLINDER WITH SIX-PIN TUMBLER, 'O' BITTING AND AN 'SA' KEYWAY. GATES SHALL OPEN OUTWARD FROM INSIDE THE STATION WITHOUT A KEY. PROVIDE A REMOVABLE SECTION AS SHOWN ON THE DRAWING.

4 PROVIDE A CONCRETE PAD TO SUPPORT THE TRANSFORMER. SLOPE THE PAD 1/16" PER FOOT TO THE GRAVEL AREAS. SUBMIT DRAWINGS PREPARED BY AND BEARING THE SIGNATURE AND REGISTRATION NUMBER OF A STRUCTURAL ENGINEER PRIOR TO THE INSTALLATION OF DWP EQUIPMENT.

5 PROVIDE TWO 6" X 6" WF6 X 25 STEEL INSERTS FOR SEISMIC ANCHORING OF DWP EQUIPMENT.

INSTALL INSERTS WITH THE TOP SURFACE FLUSH WITH THE PAD. WIRE BRUSH THE TOP SURFACES AND APPLY ONE BRUSHED COAT OF UNTHINNED ZINC RICH PAINT, GALVANOX, ZRC OR EQUIVALENT. THE DWP WILL WELD ITS EQUIPMENT TO THE INSERTS.

THE INSERTS ARE TO BE DESIGNED TO RESTRAIN A SEISMIC FORCE OF 0.5G HORIZONTAL AND 0.4G VERTICAL AT THE EQUIPMENT CENTER OF GRAVITY WHICH IS APPROXIMATELY 46 INCHES ABOVE THE FLOOR.

SUBMIT DRAWINGS PREPARED BY AND BEARING THE SIGNATURE AND REGISTRATION NUMBER OF A STRUCTURAL ENGINEER, VERIFYING THE DESIGN.

6 APPLY A SOIL STERILIZING AGENT AND INSTALL GRAVEL IN THE AREAS SHOWN ON THE DRAWING AS FOLLOWS:

A. REMOVE SOIL TO A DEPTH OF 1'-3" BELOW THE PAD LEVEL.

B. CULTIVATE SOIL 4" BELOW THE SURFACE OF EXCAVATED AREA AND TREAT WITH ORTHO TRIOX OR EQUIVALENT.

C. FILL TO PAD LEVEL WITH COMMERCIAL GRAVEL NUMBER 2.

7 THE WALL OF ANY BUILDING ADJACENT TO THE ENCLOSURE SHALL BE OF REINFORCED CONCRETE, BRICK OR CONCRETE BLOCK WITH A MINIMUM FIRE RESISTANCE OF THREE HOURS AND SHALL HAVE NO OPENINGS ABOVE THE ENCLOSURE OR WITHIN TEN FEET OF THE ENCLOSURE.

8 THE ENCLOSURE SHALL BE PROTECTED BY 14 CONCRETE FILLED, 4 FOOT HIGH, 5" GALVANIZED PIPE BARRIERS INSERTED A MINIMUM OF 3' IN THE GROUND. LOCATE THE BARRIER PIPES AS SHOWN ON THE DRAWING.

9 PROVIDE A PERMANENT ACCESS PATH FROM SHERMAN WAY TO THE ENCLOSURE FOR A CRANE WEIGHING UP TO 75 TONS PLUS AN 18 TON TRANSFORMER. THE PATH SHALL BE WIDE ENOUGH TO ACCOMMODATE 10-FOOT WIDE TRUCKS AND CRANES. AN AREA NEAR THE ENCLOSURE WILL REQUIRE THE CRANE OUTRIGGERS TO SET 20' APART AND THE CRANE MUST BE ABLE TO OPERATE WITHOUT OBSTRUCTION IN AN AREA 30' X 40' AND HAVING THE FULL 93 TONS CONCENTRATED ON 1 TO 4 OUTRIGGERS. OBTAIN APPROVAL OF THE PATH AND AREA BY A DWP DESIGN ENGINEER BEFORE SUBMITTING SIX DRAWINGS 18-1/2" X 11" SHOWING THE PATH AND AREA DESIGNED FOR THE REQUIRED LOADING. A LETTER SIGNED BY THE OWNER AND A REGISTERED STRUCTURAL ENGINEER ACCEPTING RESPONSIBILITY FOR THE DESIGN, SHALL ACCOMPANY THE DRAWINGS. ALSO REQUIRED IS A LETTER RELEASING DWP OF ALL LIABILITY FROM ANY DAMAGES INCURRED TO ACCESS PATH AND CRANE STAGING AREA. DRAWINGS SHALL BE SUBMITTED PRIOR TO STARTING THE INSTALLATION OF DWP EQUIPMENT.

10 FOR CONCRETE INSERTS, PROVIDE UNISTRUT P-3200, OR EQUAL. FOR SURFACE MOUNTED CHANNEL, PROVIDE GALVANIZED UNISTRUT P-1000 OR EQUAL. FASTEN TO SURFACE WITH 3/8" BOLTS SPACED A MAXIMUM OF TWO FEET APART AND 6" FROM EITHER END. EACH BOLT SHALL HAVE A MINIMUM PULLOUT STRENGTH OF 1000 LBS. FOR UNISTRUT WELDED TO STEEL BEAMS, THE RUPTURE STRENGTH SHALL BE EQUAL TO THE BOLT MINIMUM PULLOUT STRENGTH OF 1000 LBS. FOR UNISTRUT SUSPENDED FROM CEILING, SPACE SUPPORTS TO PROVIDE PULLOUT STRENGTH EQUAL TO THAT OF SURFACE MOUNTED UNISTRUT. ALSO, PROVIDE SUPPORTS TO PREVENT LATERAL MOVEMENT. SUBMIT DRAWINGS PREPARED BY AND BEARING THE SIGNATURE AND REGISTRATION NUMBER OF A STRUCTURAL ENGINEER SHOWING METHOD OF SUPPORT.

11 PROVIDE THE FOLLOWING:

A. 4 WIRE OR RIGID PLASTIC CAGE PROTECTED DOUBLE SOCKET, SWIVEL BASE, WEATHERPROOF FLOODLIGHT OUTLETS, HUBBELL CAT. NO. 103 PAR-38 & R-40 LAMPHOLDERS OR EQUAL, WITH TWO 150 WATT PAR LAMPS.

11 CONT B. INSTALL A 3-WAY WEATHERPROOF SWITCH WITH PILOT LIGHT INSIDE THE STATION AND NEAR EACH GATE.

12 PROVIDE ONE 120 VOLT WEATHERPROOF GROUNDED CONVENIENCE OUTLET, EQUIVALENT TO HUBBELL #2310. SERVE FROM A 20-AMPERE CIRCUIT SUITABLE FOR PORTABLE POWER TOOLS.

13 PROVIDE A GROUND SYSTEM WITH THE FOLLOWING EQUIPMENT:

A. 4 GROUND ELECTRODES EACH TO BE OF 5/8" X 8' COPPER ROD, 5/8" X 8' COPPERWELD ROD, 5/8" X 8' CONTINUOUS ELECTROPLATED ROD OR 3/4" X 8' COPPER PIPE.

B. 3 GROUND PLATES, CADWELD CATALOG B-164-20 OR EQUIVALENT.

C. 2 GROUND PLATES, CADWELD CATALOG B-164-30 OR EQUIVALENT.

INSTALL ALL GROUND PLATES IN CONCRETE WITH THE FLAT-TAPPED SURFACES SET FLUSH WITH THE PAD.

D. 4/0 BARE STRANDED COPPER CABLE SHALL BE USED THROUGHOUT THE GROUND GRID EXCEPT AS NOTED ON E AND G.

E. 500 KCMIL BARE STRANDED COPPER CABLE.

INSTALL ALL GROUND CABLES IN THE EARTH 6" BELOW THE PAD AND GRAVEL AND 1'-6" BELOW THE FINISHED GRADE OUTSIDE THE FENCE. CONNECT TO GROUND PLATES, GROUND RODS, BEAMS, AND FENCE POSTS. ALL CONNECTIONS SHALL BE WELDED USING EXOTHERMIC WELDING (CADWELD, THERMOWELD, OR EQUAL) EXCEPT EXPOSED FENCE POST CONNECTIONS WHICH MAY BE MADE WITH APPROVED GROUNDING CLAMPS, (PENN-UNION TYPE 'GPL', BURNDY TYPE 'GAR' OR EQUIVALENT). ANY ADJOINING FENCE MUST BE ISOLATED FROM THE ENCLOSURE FENCE BY AN 18" GAP OR BE COUNTERPOISED ON BOTH SIDES IN A MANNER SIMILAR TO THE ENCLOSURE FENCE TO PRECLUDE ANY DANGER FROM HIGH POTENTIAL WHICH COULD DEVELOP BETWEEN THE FENCE AND GROUND.

F. PROVIDE 4/0 COPPER FLEXIBLE BRAID OR WELDING CABLE CONNECTING THE GATE TO THE GROUNDING SYSTEM.

G. 500 KCMIL INSULATED STRANDED COPPER CABLE TO A CONTINUOUS METALLIC UNDERGROUND COLD WATER PIPING SYSTEM MAIN 2" MINIMUM OR GROUND SUBSTITUTE SPECIFIED BY A DWP DESIGN ENGINEER. ELECTRICALLY ISOLATE CABLE FROM OTHER GROUNDS AND METAL CONCRETE REINFORCING NETWORKS. DO NOT USE THIS CABLE TO GROUND ANY EQUIPMENT OUTSIDE OF THE ENCLOSURE.

H. THE GROUNDING GRID AND CONNECTION TO COLD WATER PIPING OR SUBSTITUTE WILL BE GIVEN PRELIMINARY APPROVAL PENDING FINAL APPROVAL BASED ON ACCEPTABLE RESISTANCE MEASUREMENTS OF 5 OHMS OR LESS TAKEN BY DWP TEST LAB.

14 PROVIDE ONE 1/2" GALVANIZED CONDUIT FOR FANS. TERMINATE ONE END WITH A COUPLING AND PLUG SET FLUSH WITH THE PAD AND THE OTHER END IN A JUNCTION BOX. SERVE THE JUNCTION BOX WITH A 208 OR 230 VOLT, 2-WIRE INDIVIDUAL BRANCH CIRCUIT. THE CONTINUOUS LOAD ON THIS CIRCUIT WILL BE APPROXIMATELY 4 EA-1/4 HP MOTORS.

15 FURNISH A 600 VOLT, 3-PHASE, 4-WIRE HALF NEUTRAL SERVICE CABLEBUS SYSTEM CAPABLE OF DELIVERING 5000 AMPERES AT 40C AMBIENT (M.P. HUSEY CORP., METAL PRODUCTS, I.J. COPE, INC., UNIBUS, INC., THE CALVERT CO., OR EQUIVALENT). A CABLEBUS THAT IS OUTDOORS SHALL BE WEATHERPROOF. BOTH INDOOR AND OUTDOOR INSTALLATIONS SHALL INCLUDE ALL NECESSARY FITTINGS, WALL FLANGES AND FIRE BARRIERS THAT ARE IN ACCORDANCE WITH THE REQUIREMENTS OF THE NATIONAL FIRE PROTECTION ASSOCIATION FOR CLASS 'A' OPENINGS, SUPPORTING STRUCTURES, AND MISCELLANEOUS PARTS REQUIRED TO MAKE A COMPLETE, COORDINATED INSTALLATION.

THE CABLE BUS SYSTEM ENCLOSURE SHALL BE MADE OF ALUMINUM ALLOY AND BE VENTILATED.

THE CONDUCTORS FOR THIS SYSTEM WILL BE FURNISHED AND INSTALLED BY THE DEPARTMENT AND WILL CONSIST OF A MAXIMUM OF 6 CONDUCTORS PER PHASE AND 6 CONDUCTORS PER NEUTRAL OF 1000 AND 500 KCMIL COPPER CONDUCTORS RESPECTIVELY WITH TYPE XHHW INSULATION, AND MAXIMUM OUTSIDE DIAMETER OF 1.4" AND 1.0" RESPECTIVELY. PROVIDE CABLE PLUGS FOR 1.4" AND 1.0" DIAMETER CABLES.

15 CONT ALL DWP CONDUCTORS SHALL TERMINATE IN A 5000 AMPERE LISTED AND BUSSED TERMINATING ENCLOSURE.

SUBMIT DRAWINGS FOR APPROVAL OF THE PROPOSED CABLEBUS SYSTEM SHOWING A LAYOUT AND DETAILS OF ITS CONSTRUCTION, WEATHERPROOFING AND THE CABLE PHASING ARRANGEMENT PRIOR TO FABRICATION.

THE CUSTOMER SHALL PURCHASE AND INSTALL THE ENTIRE CABLEBUS SYSTEM EXCEPT FOR THE CONDUCTORS. THE CUSTOMER SHALL INSTALL THE CABLEBUS SYSTEM INCLUDING FIRE BARRIERS AND WALL FLANGES.

16 PROVIDE THE FOLLOWING SWITCHBOARD FACILITIES FOR SERVICE AND METERING IN ACCORDANCE WITH DWP ELECTRIC SERVICE REQUIREMENTS:

A. A STANDARD SWITCHBOARD SECTION PER PAGES 520, 521, OR 522 AND PAGE 525, FIG 4. AN INSTRUMENT TRANSFORMER COMPARTMENT AS SHOWN ON PAGE 538.

B. METER PANEL PER PAGE 543, FIG. 1.

C. A SEALABLE 5000 AMPERE 60" HIGH EXTENSION WITH TERMINATING PROVISIONS PER PAGES 230 AND 231. THE SEALABLE EXTENSION MUST BE PROVIDED BY THE MANUFACTURER OF THE STANDARD SWITCHBOARD SECTION. THE BUSES FROM THE STANDARD SWITCHBOARD SECTION MUST EXTEND 1' INTO THE EXTENSION AND BE BRACED FOR SHORT CIRCUIT REQUIREMENTS. PROVIDE MEANS FOR ADDITIONAL SERVICES IN THE FUTURE TO BE SERVED FROM THE EXTENSION.

D. MEANS TO LOCK THE MAIN SERVICE SWITCH OR BREAKER IN THE OPEN POSITION. THE LOCKING PROVISIONS SHALL HAVE A 3/8" (MINIMUM) HOLE FOR USE WITH A STANDARD DEPARTMENT PADLOCK HAVING A 1" CLEARANCE. THE DWP WILL FURNISH THE LOCK AND LOCK THE SWITCH OR BREAKER OPEN WHEN REQUIRED BY STATION MAINTENANCE OR REPAIR.

PRIOR TO FABRICATION OF THE SWITCHBOARD, SUBMIT FOR APPROVAL DRAWINGS SHOWING PROPOSED SERVICE AND METERING FACILITIES.

17 DIVIDE THE LOADS TO MAINTAIN A BALANCED CONDITION ON THE SERVICE.

18 THE ESTIMATED MAXIMUM SYMMETRICAL SHORT CIRCUIT CURRENT ON THE 5000 AMPERE, 480Y/277 VOLT, 3 PHASE, 4 WIRE SERVICE IS 62,500 AMPERES AT THE CUSTOMER'S SERVICE POINT.

19 THE DWP HAS PROMULGATED RULES AND RATES WHICH PERMIT IT TO RECOVER THE COSTS OF ITS INVESTMENT THROUGH A MINIMUM BILL BASED ON AN ESTABLISHED BILLING DEMAND. HOWEVER, SINCE THERE IS NO HISTORICAL DEMAND FOR A NEW PROJECT, THAT BILLING DEMAND MUST BE ESTIMATED. THE ESTIMATED BILLING DEMAND WILL EXIST UNTIL A DEMAND IS ESTABLISHED BY CUSTOMER ENERGY USAGE THAT REFLECTS THE CUSTOMER'S DESIGNED LOAD REQUIREMENTS. THE "HOUSE" METER OR THE METER THAT PROVIDES SERVICE TO THE MAJOR PORTION OF THIS PROJECT WILL BE IDENTIFIED AND THE ESTIMATED DEMAND WILL BE APPLIED TO THAT METER TO PRODUCE A MINIMUM BILL.

20 PROVIDE TWO 5" CONDUITS FOR THE 34,500 VOLT CABLES TO THE TRANSFORMER ENCLOSURE. INSTALLATION AND INSPECTION SHALL BE IN ACCORDANCE WITH DWP UNDERGROUND CONDUIT REQUIREMENT DRAWING. TO OBTAIN DRAWING CALL (818)909-3385.

NOTE: IN ACCORDANCE WITH SECTION 93.0108 OF THE LOS ANGELES CITY ELECTRICAL CODE, THAT PORTION OF THE ELECTRIC WIRING TO BE INSTALLED ON THE LINE SIDE OF THE CUSTOMER'S SERVICE POINT INDICATED ON THIS DRAWING IS NOT SUBJECT TO REVIEW NOR APPROVAL BY THE LOS ANGELES DEPARTMENT OF BUILDING AND SAFETY.

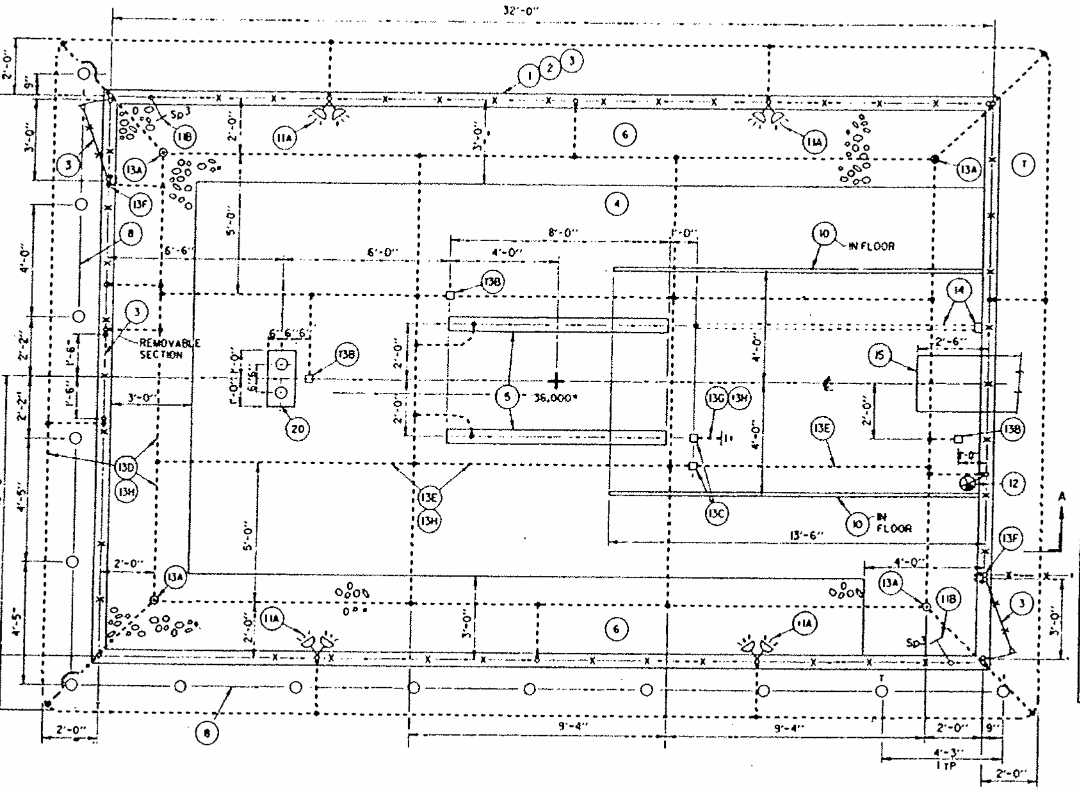
THE CUSTOMER SHALL ARRANGE FOR ELECTRICAL INSPECTION BY THE LOS ANGELES DEPARTMENT OF BUILDING AND SAFETY FOR THAT PORTION OF THE ELECTRICAL WIRING TO BE INSTALLED ON THE LOAD SIDE OF THE SERVICE POINT. THE ENCLOSURE WILL NOT BE ENERGIZED UNTIL NOTIFICATION OF APPROVAL OF SUCH WIRING HAS BEEN RECEIVED BY THE DWP.

ALL WORK PERFORMED ACCORDING TO THIS DRAWING SHALL BE DONE AS TO COMPLY WITH ALL THE CONDITIONS, RESTRICTIONS, CONSTRUCTION METHODS AND SAFETY REQUIREMENTS IMPOSED BY CAL-OSHA, AND THOSE REQUIREMENTS IMPOSED BY DWP.

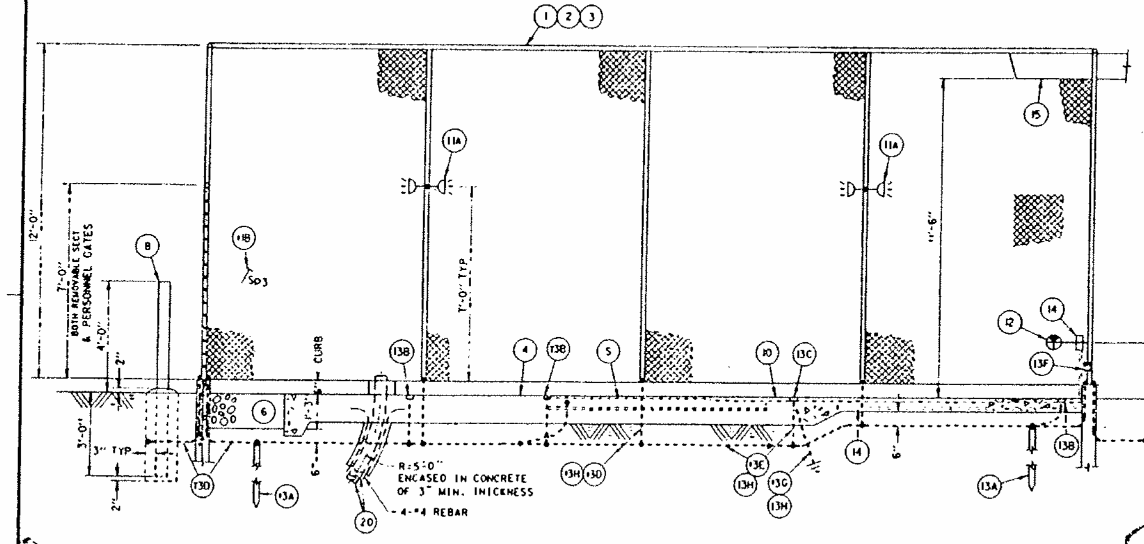
THIS DRAWING IS FOR LOCATION LINES ONLY. THE BUILDING OWNER IS RESPONSIBLE FOR THE DESIGN OF THE STRUCTURAL DETAILS TO SUPPORT THE LOADS SHOWN, FOR RESTRICTING THE TRANSMISSION OF TRANSFORMER NOISE AND VIBRATION AND FOR COMPLIANCE WITH ALL APPLICABLE CITY AND STATE CODES.

LOCATION OF ALL SURFACE-MOUNTED CONDUIT MUST BE APPROVED BY A DWP DESIGN ENGINEER.

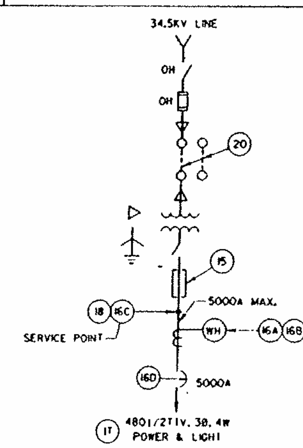
OBTAIN APPROVAL BY A DWP DESIGN ENGINEER BEFORE CONCEALING OR COMPLETING ANY OF THE ABOVE REQUIREMENTS. FOR APPROVAL, PLEASE CALL (213)481-6264 TWENTY-FOUR HOURS IN ADVANCE OF TIME FOR INSPECTION.



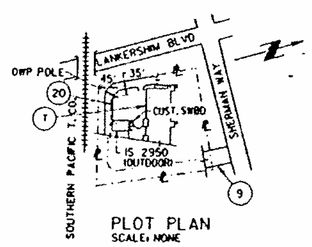
PLAN



SECTION A-A



ONE LINE WIRING DIAGRAM



PLOT PLAN
SCALE: NONE

RECEIVED FEB 19 91 Gayner E

DES. ENGR. R. B. PAREDES
SUP. ENGR. M. HANSON

REVISIONS	
NO.	DESCRIPTION

Revision Number ____ DRAFTING RELEASE
DRAWN BY ____
CHECKED BY ____
ENGINEERING APPROVAL

OWNER/AGENT APPROVAL
DRAWING REVISION RELEASE APPROVAL
FINAL APPROVAL RELEASE SIGNATURE DATE

SCALE: (UNLESS NOTED) 3/8"=1'-0"
DRAFTING RELEASE
DRAWN BY R.O. EMs / G. LIM
CHECKED BY R. B. Paredes
ENGINEERING APPROVAL
RBP EXJ
M. C. Hanson E6653
P0010; SBU05

OWNER/AGENT APPROVAL
DRAWING RELEASE APPROVAL

CUSTOMER STATION REQUIREMENTS
KAISER PERMANENTE LABORATORY
IS 2950 SHERMAN WAY & LANKERSHIM BLVD

POWER SYSTEM
DEPARTMENT OF WATER AND POWER
CITY OF LOS ANGELES

DRAWING NUMBER E2950-EA1 REV. 0

DRA E910402, E910650 E2950EALDGN

THIS DRAWING WAS PREPARED AND PROVIDED BY THE LOS ANGELES DEPARTMENT OF WATER AND POWER. WORK INDICATED ON THIS SHEET TO BE PROVIDED BY OWNER OWNER'S REPRESENTATIVE, OR CUSTOMER IS A PART OF THE CONTRACTOR'S SCOPE OF WORK.

04:35:25 PM

SMP

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Revisions
No. Date

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
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Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

ELEC. SUB-STATION
LADWP DRAWING

Project No. 19210.01
Date 22 APR 1991
B BIDDING
Drawing No. A0.04

19210.01

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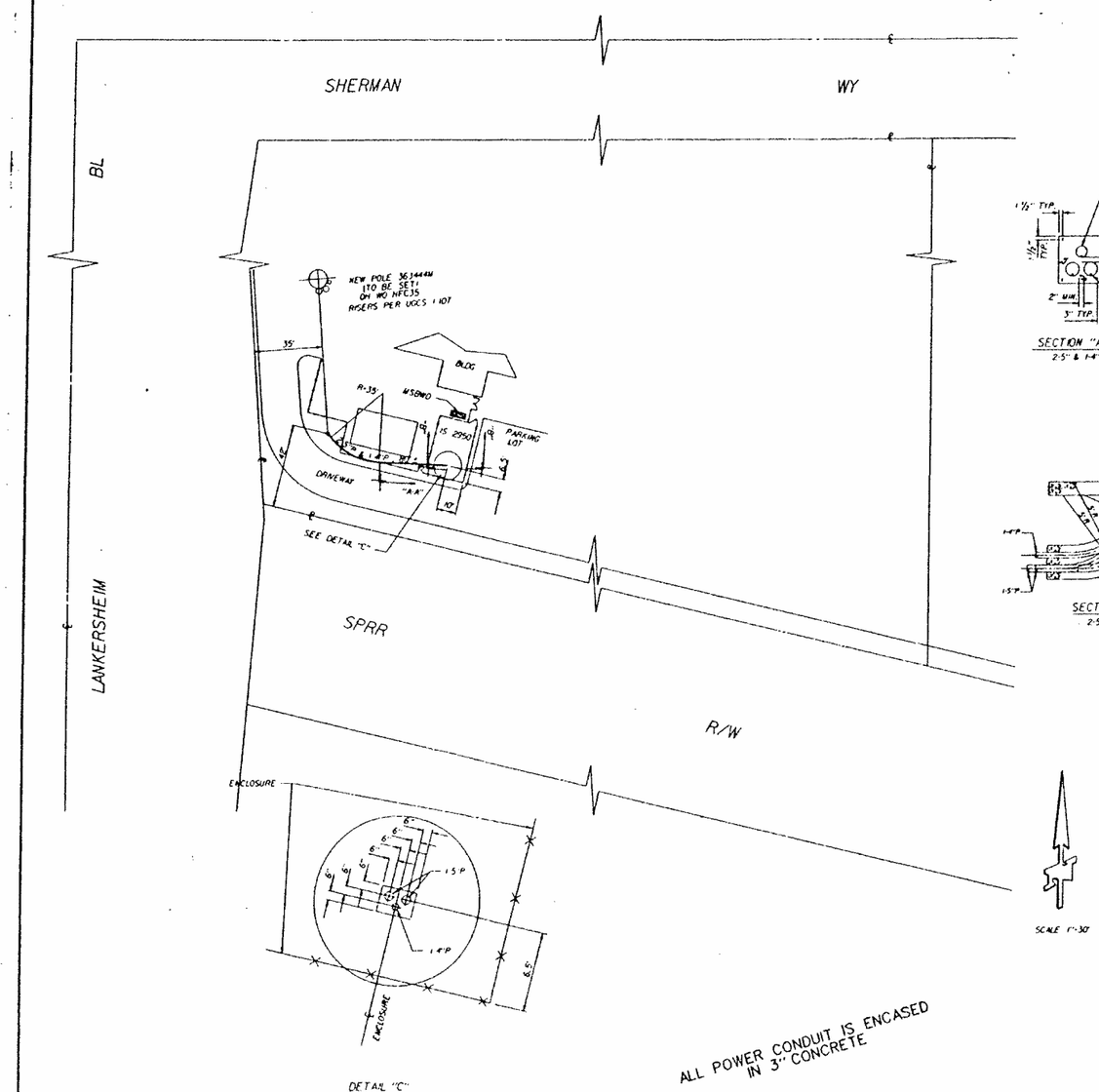
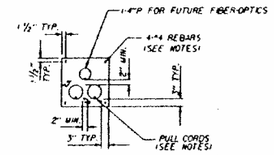
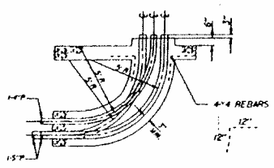




SECTION "A-A"
2-5" & 1-4"P



SECTION "B-B"
2-5" & 1-4"P

GENERAL

1. IT IS THE RESPONSIBILITY OF THE BUILDING OWNER OR HIS REPRESENTATIVES TO DESIGN THE STRUCTURAL AND WATERPROOFING DETAILS OF THE CONDUIT IN COMPLIANCE WITH CITY AND STATE CODES.
2. THE POLE AREA MUST BE ACCESSIBLE TO DWP TRUCKS ON AN ADEQUATE DRIVEWAY OR OTHER PAVED ACCESSIBLE AREA CAPABLE OF WITHSTANDING TRUCK WEIGHTS OF 24 TONS. THE DRIVEWAY OR OTHER AREA MUST PROVIDE ACCESS FOR TRUCKS 10 FEET WIDE, AND THE VERTICAL CLEARANCE FROM PUBLIC PROPERTY TO THE AREA OVER WHERE THE POLE IS LOCATED MUST NOT BE LESS THAN 20 FEET.
3. ALL WORK PERFORMED ACCORDING TO THIS DRAWING 91H5060 SHEET 1 OF 1 SHALL BE DONE AS TO COMPLY WITH ALL THE CONDITIONS, RESTRICTIONS, CONSTRUCTION METHODS AND SAFETY REQUIREMENTS OF THE DEPARTMENT OF WATER AND POWER, AND THOSE REQUIREMENTS IMPOSED BY CAL-OSHA.
4. REFER TO CUSTOMER STATION DRAWINGS E-2950-EA1 FOR FURTHER INFORMATION.

CONDUIT

1. CONDUITS AND STRUCTURES SHALL BE INSTALLED PER DEPARTMENT'S UNDERGROUND SPECIFICATION 184.1 AND APPENDIX 1.
2. 2-5" & 1-4" PLASTIC CONDUIT TYPE I ENCASED BURIAL (EB) CONDUITS OR EQUIVALENT, ENCASED IN 3" OF CONCRETE. THREE FEET MINIMUM COVER FROM TOP OF CONCRETE ENVELOPE TO FINISHED GRADE. CONDUITS TO BE TERMINATED AT DEAD-ENDS PER DEPARTMENTS UNDERGROUND CONSTRUCTION STANDARD 1-120.1.
3. TIE CONDUIT ENVELOPE TO THE BUILDING WITH FOUR #4 REINFORCING BARS. WHEN CONDUIT IS INSTALLED ON FILLED GROUND, FOUR #4 REINFORCING BARS SHALL BE INSTALLED IN THE CONCRETE ENVELOPE.
4. THE CONDUIT SHALL BE MANDRELLED WITH THE MANDREL PROVIDED BY THE DEPARTMENT. A 1/8" POLYPROPYLENE PULL LINE SHALL BE INSTALLED IN THE ENTIRE LENGTH OF EACH CONDUIT.
5. FIVE-INCH CONDUIT RADIUS BENDS MAY NOT BE STOCKED BY LOCAL SUPPLIERS AND MUST BE ORDERED AT LEAST FOUR WEEKS IN ADVANCE OF CONSTRUCTION. BENDS AND OFFSETS MADE BY USING ANGLE OR OFFSET COUPLINGS WILL NOT BE ACCEPTED.
6. ALL PLASTIC GALVANIZED CONDUIT SHALL BE IN ACCORDANCE WITH RECOGNIZED STANDARDS. FOR A.B.S. THE STANDARD IS A.S.T.M. D-2750 AS LAST REVISED. FOR P.V.C. THE STANDARD IS A.S.T.M. F-512 AS LAST REVISED. CONDUIT MAY BE SUBJECTED TO TESTING BY THE DEPARTMENT AT THE REQUEST OF THE ELECTRIC SERVICE REPRESENTATIVE.

CONCRETE

1. CONCRETE FOR ENCASEMENT SHALL CONFORM TO THE DEPARTMENT'S READY MIX CODE DWP 330-C-1700.

INSPECTION

1. ALL MATERIALS AND WORKMANSHIP ARE SUBJECT TO INSPECTION AND APPROVAL BY THE DEPARTMENT OF WATER AND POWER.
2. NOTIFY THE UNDERGROUND INSPECTION SECTION TELEPHONE NUMBER (818) 909-3385, 48 HOURS IN ADVANCE OF CONSTRUCTION. A DEPARTMENT'S INSPECTOR MUST BE PRESENT WHEN THE JOB IS STARTED.

RECEIVED
MAY 13 91
Rayner Engineers

REF

SM	390-22
OH	184-168
TG	16-03 SM
TAT	[illegible]

REV. NO	REV. DATE	INITL	REVISION DESCRIPTION	APPD	TAT NO

DRAWING CIRCULATION: DSOG, DCSV-2, MFGR-4, SPC-1, SPCV-3, DCWD-1, DPWM-1

CITY OF LOS ANGELES
DEPARTMENT OF
WATER AND POWER
DISTRIBUTION ENGINEERING & SERVICES SECTION

DESIGN A. PAREDES
DRAFTING VDR
CHECKED JM
DATE 5-2-91

34.5 KV CONDUIT REQ
11666 SHERMAN WAY
KAISER PERMANENTE LABORATORY
IS 2950

91H5060 SHEET 1 OF 1

LISTED

THIS DRAWING WAS PREPARED AND PROVIDED BY THE LOS ANGELES DEPARTMENT OF WATER AND POWER. WORK INDICATED ON THIS SHEET TO BE PROVIDED BY OWNER, OWNER'S REPRESENTATIVE, OR CUSTOMER IS A PART OF THE CONTRACTOR'S SCOPE OF WORK.

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SMP

Stone
Marraccini
Patterson

Architecture
Planning
Interior Architecture

One Market Plaza
Spear Street Tower
Suite 400
San Francisco
CA 94105

415 227-0100

Architect, AIA

LICENSED ARCHITECT DAVID L. MARTINO No. 10708 STATE OF CALIFORNIA

Tech Coord | Checked | Tech Arch.

RUTHERFORD & CHEKENE
303 Second Street Suite 800 North
San Francisco California 94107

Civil Engineer

Structural Engineer

GAYNER ENGINEERS
1133 Post Street
San Francisco California 94109

Mechanical Engineer

Electrical Engineer

KELLER MITCHELL CARONNA
212 Sutter Street 4th Floor
San Francisco California 94108

Landscape Architect

EARL WALLS ASSOCIATES
5348 Carroll Canyon Road
San Diego California 92121

Laboratory Architect

Laboratory Mechanical Engineer

Laboratory Electrical Engineer

Revisions
No | Date

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood - Los Angeles California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

ELEC. SUB-STATION
LADWP DRAWING

Project No 19210.01
Date
B 1 BULLETIN
Drawing No A0.05

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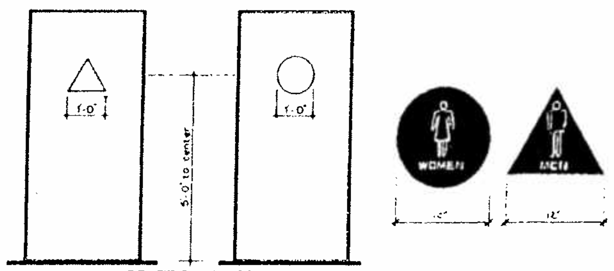


IDENTIFICATION OF
MEN'S SANITARY FACILITY WOMEN'S SANITARY FACILITY

DIAGRAM ILLUSTRATES TYPICAL MOUNTING HEIGHT AND LOCATION OF SIGNAGE TO BE PROVIDED AT EACH DOOR LEADING THE SANITARY FACILITIES. SEE ALSO SIGNAGE DESIGN DRAWINGS TO BE PROVIDED BY THE OWNER

SIGNAGE TYPE A TO BE PROVIDED AT EACH DOOR LEADING TO SANITARY FACILITIES CONSISTS OF

1. AT DOORS LEADING TO MEN'S SANITARY FACILITIES PROVIDE A SIGN 1/4 INCH THICK CONSISTING OF AN EQUILATERAL TRIANGLE WITH SIDES 12 INCHES LONG AND A VERTEX POINTING UPWARD. SEE SAMPLE SIGN AT LEFT. MOUNT THE SIGN CENTERED ON THE DOOR AT A HEIGHT OF 60 INCHES. THE COLOR AND CONTRAST OF THE SIGN SHALL BE DISTINCTLY DIFFERENT FROM THE COLOR AND CONTRAST OF THE DOOR
2. AT DOORS LEADING TO WOMEN'S SANITARY FACILITIES PROVIDE A SIGN 1/4 INCH THICK CONSISTING OF A CIRCLE 12 INCHES IN DIAMETER. SEE SAMPLE SIGN AT LEFT. MOUNT THE SIGN CENTERED ON THE DOOR AT A HEIGHT OF 60 INCHES

PROVIDE SIGNS AT THE FOLLOWING DOORS

G 407A ON SIDE FACING ROOM G 005 (MEN)
G 408A ON SIDE FACING ROOM G-005 (WOMEN)
1 40YA ON SIDE FACING ROOM 1-011 (MEN)
1 403A ON SIDE FACING ROOM 1-011 (WOMEN)
2 404A ON SIDE FACING ROOM 2-011 (MEN)
Y 405A ON SIDE FACING ROOM 2 011 (WOMEN)

[36] TYPE A SIGNAGE REQUIRED AT DOORS TO SANITARY FACILITIES

THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE THE STANDARD USED TO IDENTIFY FACILITIES THAT ARE ACCESSIBLE TO AND USABLE BY PHYSICALLY DISABLED PERSONS AS SET FORTH BY TITLE 2A CCR. THE SYMBOL SPECIFIED SHALL CONSIST OF A WHITE FIGURE ON A BLUE (MATCH NO. 15090 IN FEDERAL STANDARD 595A) BACKGROUND

[21] SYMBOL OF ACCESSIBILITY

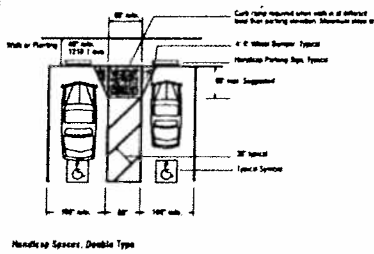
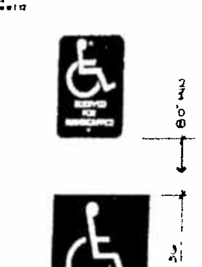


DIAGRAM ILLUSTRATES TYPICAL CONFIGURATION OF SIGNAGE STRIPING, AND WHEEL BUMPERS TO BE PROVIDED BY CONTRACTOR AT EACH HANDICAPPED STALL. STALLS REQUIRING COMPLIANCE ARE INDICATED WITH A NUMBER BEGINING WITH "H" ON SHEET A0 01. SEE ALSO THE CIVIL ENGINEERING DRAWINGS



SIGNAGE TYPE B TO BE PROVIDED AT EACH ACCESSIBLE PARKING STALL CONSISTS OF

1. 70 SQUARE INCH MINIMUM REFLECTORIZED SIGN WITH INTERNATIONAL SYMBOL OF ACCESSIBILITY AND STATING "RESERVED FOR HANDICAPPED" TO BE MOUNTED AT LEAST 80 INCHES TO THE BOTTOM OF THE SIGN FROM THE PARKING SURFACE GRADE. SIGN TO BE BLUE (MATCH NO. 15090 IN FEDERAL STANDARD 595A) AND WHITE. ONE SIGN TO BE PROVIDED AT FRONT OF EACH INDICATED SPACE. SEE SAMPLE SIGN SHOWN AT LEFT
2. PAINTED ON THE SURFACE OF THE INDICATED PARKING SPACE A SIGN WITH THE INTERNATIONAL SYMBOL OF ACCESSIBILITY. SIGN TO BE 36 INCHES BY 36 INCHES. SIGN TO BE LOCATED SO THAT IT IS VISIBLE TO A TRAFFIC ENFORCEMENT OFFICER WHEN A VEHICLE IS PROPERLY PARKED. SIGN TO BE BLUE (MATCH NO. 15090 IN FEDERAL STANDARD 595A) AND WHITE. ONE SIGN TO BE PROVIDED AT EACH INDICATED SPACE. SEE SAMPLE SIGN SHOWN AT LEFT

[37] TYPE B SIGNAGE REQUIRED AT ALL HANDICAPPED PARKING STALLS

SIGNAGE TYPE C TO BE NOT LESS THAN 17 INCHES BY 22 INCHES IN SIZE WITH LETTERING NOT LESS THAN 1 INCH IN HEIGHT WHICH STATES THE FOLLOWING

UNAUTHORIZED VEHICLES PARKED IN DESIGNATED HANDICAPPED SPACES NOT DISPLAYING DISTINGUISHING PLACARDS OR LICENSE PLATES ISSUED FOR PHYSICALLY DISABLED PERSONS MAY BE TOWED AWAY AT OWNER'S EXPENSE. TOWED VEHICLES MAY BE RECLAIMED AT ________ OR ________ OR BY TELEPHONING ________

THE INFORMATION TO BE PLACED IN THE BLANK SPACES ABOVE WILL BE PROVIDED BY THE OWNER

SIGNAGE TYPE C SHALL BE POSTED TO BE VISIBLE AND CONSPICUOUS FROM EACH STREET ENTRANCE TO THE OFF-STREET PARKING LOT. SUBJECT TO THE APPROVAL OF THE CITY FIELD INSPECTOR. THE EXISTING SIGNAGE PROVIDED BY THE OWNER MAY BE ADEQUATE AND NO NEW SIGNAGE REQUIRED

[22] TYPE C SIGNAGE

TYPE D SIGNAGE INDICATING HANDICAPPED ACCESSIBLE ENTRY SHALL BE PROVIDED IN A CLEARLY VISIBLE AND CONSPICUOUS LOCATION AT EACH PRIMARY ENTRY AS INDICATED ON SHEET A0 03

EXACT LOCATION AND MOUNTING OF SIGNS TO BE DETERMINED BY THE OWNER'S SIGNAGE DESIGNER

TYPE D SIGNAGE TO BE NOT LESS THAN 12 INCHES BY 12 INCHES IN SIZE. SIGN TO BE BLUE (MATCH NO. 15090 IN FEDERAL STANDARD 595A) AND WHITE. SEE EXAMPLE ABOVE FOR ADDITIONAL INFORMATION. SEE SIGNAGE DRAWINGS TO BE PROVIDED BY THE OWNER SEPARATELY

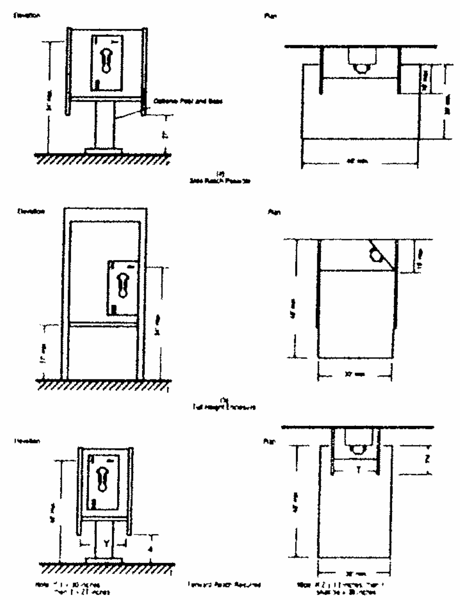
[38] TYPE D SIGNAGE

TYPE E SIGNAGE INDICATING ROUTE LEADING TO A HANDICAPPED ACCESSIBLE ENTRY SHALL BE PROVIDED AT CLEARLY VISIBLE AND CONSPICUOUS LOCATIONS AS INDICATED ON SHEET A0 03

MOUNTING OF SIGNS TO BE DETERMINED BY THE OWNER'S SIGNAGE DESIGNER

TYPE E SIGNAGE TO BE NOT LESS THAN 12 INCHES BY 12 INCHES IN SIZE WITH A DIRECTIONAL ARROW. SIGN TO BE BLUE (MATCH NO. 15090 IN FEDERAL STANDARD 595A) AND WHITE. SEE EXAMPLE ABOVE FOR ADDITIONAL INFORMATION. SEE SIGNAGE DRAWINGS TO BE PROVIDED BY THE OWNER SEPARATELY

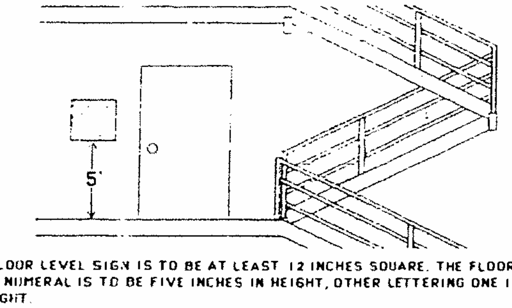
[33] TYPE E SIGNAGE



PUBLIC PAY TELEPHONES ARE NOT A PART OF THE SCOPE OF WORK OF THIS PROJECT. HOWEVER THE ADJACENT MOUNTING HEIGHT AND CLEARANCE DIAGRAMS HAVE BEEN PROVIDED TO ILLUSTRATE THE MINIMUM STANDARDS FOR INSTALLATION SHOULD PUBLIC TELEPHONES BE ADDED TO THE SCOPE OF WORK AT A LATER DATE

[29] TYPICAL PAY TELEPHONE MOUNTING AND CLEARANCE DIM.

THE LOS ANGELES CITY FIRE DEPARTMENT REQUIRES STAIRWAY NUMBERING SYSTEMS FOR BUILDINGS MORE THAN 2 STORIES IN HEIGHT



THE FLOOR LEVEL SIGN IS TO BE AT LEAST 12 INCHES SQUARE. THE FLOOR LEVEL NUMERAL IS TO BE FIVE INCHES IN HEIGHT, OTHER LETTERING ONE INCH IN HEIGHT.

THE SIGN IS TO BE SECURELY AND CONSPICUOUSLY MOUNTED FIVE FEET ABOVE THE FLOOR (AS SHOWN ABOVE). IT SHALL BE READILY VISIBLE TO A PERSON ASCENDING THE STAIRWAY.

Sign	Example
1 THRU 8 ROOF ACCESS **5** STAIR 1	EXAMPLE 1 5TH FLOOR OF A STAIRWAY THAT EXTENDS FROM THE 1ST TO THE 8TH FLOOR OF AN 8 STORY BUILDING. THE STAIRWAY TERMINATES ON THE ROOF. THIS IS THE NUMBER 1 STAIRWAY IN THE BUILDING.
1 THRU 4 NO ROOF ACCESS **3** STAIR 2	EXAMPLE 2 3RD FLOOR OF A STAIRWAY THAT EXTENDS FROM THE 1ST TO THE 4TH FLOOR OF AN 8 STORY BUILDING. THIS STAIRWAY DOES NOT PERMIT ROOF ACCESS. THIS IS THE NUMBER 2 STAIRWAY IN THE BUILDING.
1 THRU 8 NO ROOF ACCESS **6** STAIR 3	EXAMPLE 3 6TH FLOOR OF A STAIRWAY THAT EXTENDS FROM THE 1ST TO THE 8TH FLOOR OF AN 8 STORY BUILDING. THIS STAIRWAY DOES NOT PERMIT ROOF ACCESS. THIS IS THE NUMBER 3 STAIRWAY IN THE BUILDING.

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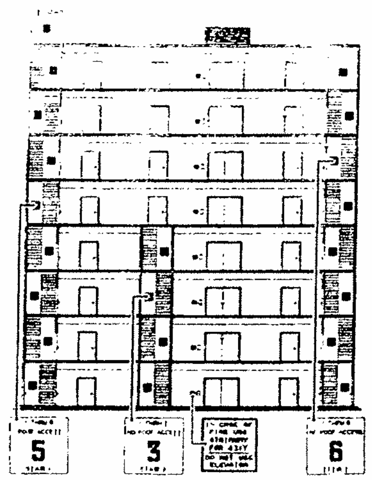
[40] TYPE G STAIR INDENTIFICATION SIGNAGE

TYPE F SIGNAGE SHALL BE PROVIDED AS AN INTEGRAL PART OF THE ELEVATOR CALL BUTTON. SIGNAGE TO READ

"IN CASE OF FIRE USE STAIRWAY - DO NOT USE ELEVATOR"

DRAWING ABOVE AND AT RIGHT DIAGRAMMATICALLY ILLUSTRATES THE NATURE AND GENERAL LOCATION OF THIS SIGNAGE. SEE SECTION 14217 OF THE BOOK OF SPECIFICATIONS FOR ADDITIONAL MORE RESTRICTIVE INFORMATION REGARDING THIS SIGNAGE



[30] TYPE F SIGNAGE AT ELEVATORS

CODE REQUIRED SIGNAGE

ELEVATORS

THE FOLLOWING NOTES ESTABLISH MINIMUM REQUIREMENTS FOR THE CONSTRUCTION OF ELEVATORS. REQUIREMENTS SHOWN ELSEWHERE IN THE CONTRACT DOCUMENTS MAY BE MORE RESTRICTIVE THAN THOSE SHOWN ON THIS SHEET. WHERE MORE RESTRICTIVE REQUIREMENTS ARE INDICATED, THE CONTRACTOR SHALL COMPLY WITH THE MORE RESTRICTIVE REQUIREMENT

1. ELEVATORS SHALL BE AUTOMATIC SELF-LEVELING, 1/2 INCH TOLERANCE, MAXIMUM
2. AUTOMATIC POWER OPERATED HORIZONTAL SLIDING CAR AND HOISTWAY DOORS SHALL BE PROVIDED
3. DOOR WIDTHS SHALL BE 36 INCHES CLEAR MINIMUM
4. MINIMUM ALLOWABLE CAR SIZE 68 INCH BY 54 INCH MINIMUM EXCLUDING RETURN PANELS. MINIMUM DISTANCE BETWEEN WALL AND RETURN PANEL SHALL BE 51 INCHES. SEE PLANS AND BOOK OF SPECIFICATIONS FOR ACTUAL (LARGER) CAR SIZE REQUIREMENTS
5. FLOOR BUTTONS SHALL BE WITHIN 4'-6" OF THE FLOOR EXCEPT FOR THE PHOTO ELECTRIC TUBE BY PASS SWITCH. EMERGENCY CONTROLS SHALL BE GROUPED IN ONE LOCATION IN OR ADJACENT TO THE BOTTOM OF THE PANEL AND NO LOWER THAN 2'-11" FROM THE FLOOR. FOR MULTIPLE CONTROLS ONE SET MUST COMPLY WITH THE HEIGHT REQUIREMENTS. THE EMERGENCY TELEPHONE SHALL BE POSITIONS AT 4'-0" MAXIMUM ABOVE THE FLOOR WITH A 2'-5" MINIMUM CORD
6. CAR CONTROL BUTTONS SHALL BE 3/4 INCH MINIMUM AND RAISED 1/8 INCH (+, - 1/32 INCH). CONTROL BUTTONS SHALL BE ILLUMINATED, HAVE SQUARE SHOULDERS AND BE ACTIVATED BY A MECHANICAL MOTION THAT IS DETECTABLE. ALL BUTTONS SHALL BE DESIGNATED BY A 5/8 INCH MIN. ARABIC SYMBOL TO THE LEFT OF THE CONTROL BUTTON WITH A BRAILLE SYMBOL BELOW THE ARABIC SYMBOL. 3/8 INCH MIN. SHALL BE PROVIDED BETWEEN ROWS OF CONTROL BUTTONS. RAISED CHARACTERS SHALL BE WHITE ON A BLACK BACKGROUND. CONTROLS AND EMERGENCY EQUIPMENT IDENTIFIED BY RAISED SYMBOLS SHALL INCLUDE DOOR OPEN, DOOR CLOSE, ALARM BELL, EMERGENCY STOP AND TELEPHONE
7. A HANDRAIL IS REQUIRED ON ONE WALL OF THE CAR, PREFERABLY THE REAR. THE BAR SHALL BE 1 1/2 INCH MINIMUM. CLEAR FROM THE WALL AND 32 INCHES (+/-1 INCH) FROM THE FLOOR
8. A VISUAL AND AUDIBLE SIGNAL SHALL BE PROVIDED AT EACH HOISTWAY INDICATING THE CAR ANSWERING THE CALL AND THE DIRECTION OF TRAVEL. VISUAL SIGNALS SHALL BE 2 1/2 INCHES BY 2 1/2 INCHES MINIMUM. AUDIBLE SIGNALS SHALL SOUND ONCE FOR UP, TWICE FOR DOWN. THE CENTERLINE OF THE SIGNALING FIXTURE SHALL BE A MINIMUM OF 72 INCHES ABOVE THE FLOOR
9. ELEVATOR LANDING JAMBS SHALL HAVE THE NUMBER OF THE FLOOR ON WHICH THE JAMB IS LOCATED DESIGNATED BY A 2 INCH MINIMUM ARABIC NUMERAL AND A RAISED BRAILLE SYMBOL AT A HEIGHT OF 5'-0" ABOVE THE FLOOR ON BOTH SIDES OF THE DOOR. RAISED BRAILLE SYMBOLS SHALL BE DIRECTLY TO THE LEFT OF THE ARABIC SYMBOL AND SHALL BE ON A CONTRASTING BACKGROUND
10. PASSENGER ELEVATORS SHALL BE LOCATED NEAR A MAJOR PATH OF TRAVEL AND SHALL REMAIN ACCESSIBLE AND USEABLE AT ALL TIMES THE BUILDING IS OCCUPIED

TILE AND PAVER FINISHES

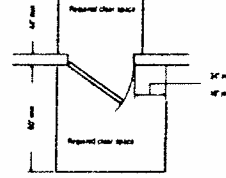
ALL TILES AND PAVERS USED ON THIS PROJECT TO BE NOT SMOOTH, NOT POLISHED, AND NOT GLAZED. FOR ADDITIONAL INFORMATION, SEE FINISH SCHEDULE ON SHEET A9 15, COLOR SCHEDULE ON SHEET A9 16 AND THE BOOK OF SPECIFICATIONS

DOORS AND DOOR HARDWARE

FOR LOCATION AND GENERAL DESCRIPTION OF DOORS. REFER TO THE A1 SERIES KEY PLANS AND A2 SERIES FLOOR PLANS. THE DOOR SCHEDULE IS PROVIDED ON SHEETS A9 07 AND A9 08. TYPICAL DOOR FRAME AND HARDWARE MOUNTING DETAILS MAY BE FOUND ON SHEETS A9 05 AND A9 06. REFER ALSO TO THE BOOK OF SPECIFICATIONS

THE FOLLOWING NOTES ESTABLISH MINIMUM REQUIREMENTS FOR THE PROVISION OF DOORS AND DOOR HARDWARE. REQUIREMENTS SHOWN ELSEWHERE IN THE CONTRACT DOCUMENTS MAY BE MORE RESTRICTIVE THAN THOSE SHOWN ON THIS SHEET. WHERE MORE RESTRICTIVE REQUIREMENTS ARE INDICATED. THE CONTRACTOR SHALL COMPLY WITH THE MORE RESTRICTIVE REQUIREMENT

1. HAND ACTIVATED DOOR OPENING HARDWARE SHALL BE CENTERED BETWEEN 30 INCHES AND 44 INCHES ABOVE THE FLOOR. SEE DETAIL 35 ON SHEET A9 05 AND THE BOOK OF SPECIFICATIONS
2. THE FLOOR OR LANDING SHALL BEO NOT MORE THAN 1/2 INCH LOWER THAN THE THRESHOLD OF THE DOORWAY. CHANGE IN LEVEL BETWEEN 1/4 INCH AND 1/2 INCH SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2
3. THE BOTTOM 10 INCHES OF ALL DOORS EXCEPT AUTOMATIC AND SLIDING SHALL HAVE A SMOOTH UNINTERRUPTED SURFACE TO ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. WHERE NARROW FRAME DOORS ARE USED. A 10 INCH HIGH PANEL SHALL BE INSTALLED ON THE PUSH SIDE OF THE DOOR WHICH WILL ALLOW THE DOOR TO BE OPENED BY A WHEELCHAIR FOOTREST WITHOUT CREATING A TRAP OR HAZARDOUS CONDITION. SEE HARDWARE SCHEDULE AND DETAIL 35 ON SHEET A9 05
4. MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 8 1/2 POUNDS FOR EXTERIOR DOORS AND 5 POUNDS FOR INTERIOR DOORS. SUCH PULL OR PUSH EFFORT BEING APPLIED AT RIGHT ANGLES TO HINGED DOORS AND AT THE CENTER PLANE OF SLIDING OR FOLDING DOORS. COMPENSATING DEVICES OR AUTOMATIC DOOR OPERATORS MAY BE UTILIZED TO MEET THE ABOVE STANDARDS. WHEN FIRE DOORS ARE REQUIRED. THE MAXIMUM EFFORT TO OPERATE THE DOOR MAY BE INCREASED NOT TO EXCEED 15 POUNDS



THE MINIMUM CLEARANCES SHOWN BY THE DIAGRAM ABOVE SHOULD BE CONSIDERED TYPICAL AT ALL DOORS LOCATED THROUGHOUT THE PROJECT

TOILET FIXTURES AND LAVATORIES

FOR LOCATION AND GENERAL DESCRIPTION OF TOILET FIXTURES AND LAVATORIES, REFER TO THE A1 SERIES KEY PLANS AND A2 SERIES FLOOR PLANS. DETAIL TOILET ROOM PLANS AND DIMENSIONS MAY BE FOUND ON SHEET A4 01. ELEVATIONS OF THE TOILET ROOMS MAY BE FOUND ON SHEET A8 12. TYPICAL TOILET STALL DETAILS AND FIXTURE MOUNTING HEIGHTS MAY BE FOUND ON SHEET A9 09. REFER ALSO TO THE PLUMBING DRAWINGS AND TO THE BOOK OF SPECIFICATIONS

THE FOLLOWING NOTES ESTABLISH MINIMUM REQUIREMENTS FOR THE CONSTRUCTION OF TOILET FIXTURES AND LAVATORIES. REQUIREMENTS SHOWN ELSEWHERE IN THE CONTRACT DOCUMENTS MAY BE MORE RESTRICTIVE THAN THOSE SHOWN ON THIS SHEET. WHERE MORE RESTRICTIVE REQUIREMENTS ARE INDICATED, THE CONTRACTOR SHALL COMPLY WITH THE MORE RESTRICTIVE REQUIREMENT

1. TOILET FLUSH CONTROLS SHALL BE OPERABLE WITH ONE HAND, AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. CONTROLS FOR THE FLUSH VALVES SHALL BE MOUNTED ON THE WIDE SIDE OF THE TOILET AREAS, NO MORE THAN 44 INCHES ABOVE THE FLOOR. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 POUNDS. FOR ADDITIONAL INFORMATION. SEE THE PLUMBING DRAWINGS AND THE BOOK OF SPECIFICATIONS
2. AT EACH ROOM WHERE URINALS ARE PROVIDED, PROVIDE AT LEAST ONE WITH A RIM PROJECTING A MINIMUM OF 14 INCHES FROM THE WALL AND AT HEIGHT OF 17 INCHES ABOVE THE FLOOR. SEE TYPICAL CONFIGURATION ELEVATIONS AND MOUNTING HEIGHT DETAILS ON SHEET A9 09. SEE ALSO THE PLUMBING DRAWINGS AND THE BOOK OF SPECIFICATIONS
3. URINAL FLUSH CONTROLS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST AND SHALL BE MOUNTED NO MORE THAN 44 INCHES ABOVE THE FLOOR. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 POUNDS
4. HOT WATER AND DRAIN PIPES UNDER LAVATORIES SHALL BE INSULATED. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES. SEE KEYNOTE NO. 3 ON SHEET A4 01 AND TYPICAL DETAILS ON SHEET A9 09
5. FAUCET CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5 POUND FEET. FOR ADDITIONAL INFORMATION. SEE THE PLUMBING DRAWINGS AND BOOK OF SPECIFICATIONS

SHOWERS

FOR LOCATION AND GENERAL DESCRIPTION OF SHOWERS REFER TO THE A1 SERIES KEY PLANS AND A2 SERIES FLOOR PLANS. DETAIL SHOWER PLANS AND DIMENSIONS MAY BE FOUND ON SHEET A4 01. ELEVATIONS OF THE SHOWERS MAY BE FOUND ON SHEET A8 12. SHOWER ENCLOSURE DETAILS AND FIXTURE MOUNTING HEIGHTS MAY BE FOUND ON SHEET A9 09. REFER ALSO TO THE PLUMBING DRAWINGS AND BOOK OF SPECIFICATIONS

THE FOLLOWING NOTES ESTABLISH MINIMUM REQUIREMENTS FOR THE CONSTRUCTION OF SHOWERS. REQUIREMENTS SHOWN ELSEWHERE IN THE CONTRACT DOCUMENTS MAY BE MORE RESTRICTIVE THAN THOSE SHOWN ON THIS SHEET. WHERE MORE RESTRICTIVE REQUIREMENTS ARE INDICATED THE CONTRACTOR SHALL COMPLY WITH THE MORE RESTRICTIVE REQUIREMENT

1. THE SHOWER FLOOR SHALL SLOPE TOWARD THE REAR TO A DRAIN LOCATED WITHIN 6 INCHES OF THE REAR WALL. MAXIMUM SLOPE OF THE FLOOR SHALL BE 1/2 INCH PER FOOT IN ANY DIRECTION. THE FLOOR SURFACES SHALL BE OF CARBORUNDUM OR GRIT-FACED TILE OR OF MATERIAL PROVIDING EQUIVALENT SLIP RESISTANCE. SEE DETAILS 30, 33, AND 37 ON SHEET A9 09 FOR INFORMATION REGARDING THE CONFIGURATION OF THE SHOWER FLOOR. SEE THE FINISH SCHEDULE ON SHEET A9 15 AND THE COLOR SCHEDULE ON SHEET A9 16 FOR INFORMATION REGARDING THE FINISH MATERIALS.
2. WHEN A THRESHOLD OR RECESS DROP IS USED AT A SHOWER FLOOR. IT SHALL BE A MAXIMUM OF 1/2 INCH IN HEIGHT AND SHALL BE BEVELED OR SLOPED AT A ANGLE NOT EXCEEDING 45 DEGREES FROM THE HORIZONTAL. SEE DETAILS 33 AND 37 ON SHEET A9 09
3. A FOLDING SHOWER SEAT SHALL BE LOCATED ON THE WALL OPPOSITE THE CONTROLS AND MOUNTED 18 INCHES ABOVE THE SHOWER FLOOR. SEE KEYNOTE NO. 20 ON DETAIL PLAN 35, A4 01. KEYNOTE NO. 20 ON ELEVATION 23/A8 12 AND DETAIL 29 (TYPICAL MOUNTING HEIGHTS) ON SHEET A9 09
4. "L" SHAPED SHOWER GRAB BARS SHALL BE PROVIDED ON LOCATED ON WALLS ADJACENT TO AND OPPOSITE THE SHOWER SEAT. GRAB BARS SHALL BE NOT LESS THAN 24 INCHES BY 36 INCHES IN LENGTH POSITIONED ON THE WALL OF THE SHOWER. THE 36 INCH SIDE SHALL EXTEND ON THE WALL HAVING THE SHOWER HEAD AND CONTROLS. SEE KEYNOTE NO. 21 ON DETAIL PLAN 35/A4 01. KEYNOTE NO. 18 ON ELEVATIONS 13/A8 12 AND 23/A8 12, AND DETAIL 30 ON SHEET A9 09
5. SHOWER WATER CONTROLS OF A SINGLE LEVER DESIGN SHALL BE LOCATED ON THE SIDE WALL OPPOSITE THE SHOWER SEAT AND OPERABLE WITH A MAXIMUM FORCE OF 5 POUNDS. THE TOP OF THE CONTROLS SHALL BE LOCATED A MAXIMUM OF 48 INCHES ABOVE THE SHOWER FLOOR. SEE TYPICAL CONFIGURATION ELEVATION 30 ON SHEET A9 09. REFER ALSO TO THE PLUMBING DRAWINGS AND THE BOOK OF SPECIFICATIONS

GRAB BARS

FOR LOCATION AND GENERAL DESCRIPTION OF GRAB BARS REFER TO THE DETAIL FLOOR PLANS ON SHEET A4 01. THE TOILET ACCESSORY SCHEDULE AND TYPICAL CONFIGURATION ELEVATIONS ON SHEET A9 09 AND THE INTERIOR ELEVATION ON SHEET A8 12. REFER ALSO TO THE BOOK OF SPECIFICATIONS

THE FOLLOWING NOTES ESTABLISH MINIMUM REQUIREMENTS FOR THE CONSTRUCTION OF GRAB BARS. REQUIREMENTS SHOWN ELSEWHERE IN THE CONTRACT DOCUMENTS MAY BE MORE RESTRICTIVE THAN THOSE SHOWN ON THIS SHEET. WHERE MORE RESTRICTIVE REQUIREMENTS ARE INDICATED THE CONTRACTOR SHALL COMPLY WITH THE MORE RESTRICTIVE REQUIREMENT

1. GRAB BARS, TUB AND SHOWER SEATS, AND THEIR ASSOCIATED FASTENERS AND MOUNTING DEVICES SHALL BE DESIGNED TO RESIST LOADS OF AT LEAST 250 POUNDS PER LINEAR FOOT. FOR ADDITIONAL INFORMATION. REFER TO THE BOOK OF SPECIFICATIONS
2. THE DIAMETER OR WIDTH OF THE GRIPPING SURFACES OF A GRAB BAR SHALL BE AT LEAST 1 1/4 INCHES AND NOT MORE THAN 1-1/2 INCHES OR THE SHAPE SHALL PROVIDE AN EQUIVALENT GRIPPING SURFACE. FOR ADDITIONAL INFORMATION. SEE THE TOILET ACCESSORY SCHEDULE ON SHEET A9 09 AND THE BOOK OF SPECIFICATIONS
3. WHERE GRAB BARS ARE MOUNTED ADJACENT TO A WALL, THE SPACE BETWEEN THE WALL AND THE GRAB BARS SHALL BE 1 1/2 INCHES. FOR ADDITIONAL INFORMATION, SEE THE TOILET ACCESSORY SCHEDULE ON SHEET A9 09 AND THE BOOK OF SPECIFICATIONS
4. ALL GRAB BARS AND ANY WALL OR OTHER SURFACE ADJACENT TO A GRAB BAR SHALL BE FREE OF ANY SHARP OR ABRASIVE ELEMENTS
5. GRAB BARS SHALL NOT ROTATE WITHIN THEIR FITTINGS. REFER ALSO TO THE BOOK OF SPECIFICATIONS FOR ADDITIONAL INFORMATION
6. EDGES OF ALL GRAB BARS SHALL HAVE A MINIMUM RADIUS OF 1/8 INCH. REFER ALSO TO THE BOOK OF SPECIFICATIONS FOR ADDITIONAL INFORMATION

DRINKING FOUNTAINS

FOR LOCATION AND GENERAL DESCRIPTION OF DRINKING FOUNTAINS, REFER TO THE A2 SERIES FLOOR PLANS. ELEVATIONS AND MOUNTING HEIGHT DIMENSIONS MAY BE FOUND ON SHEETS A8 05 AND A8 06. REFER ALSO TO THE PLUMBING DRAWINGS AND BOOK OF SPECIFICATIONS

THE FOLLOWING NOTES ESTABLISH MINIMUM REQUIREMENTS FOR THE CONSTRUCTION OF THE DRINKING FOUNTAINS. REQUIREMENTS SHOWN ELSEWHERE IN THE CONTRACT DOCUMENTS MAY BE MORE RESTRICTIVE THAN THOSE SHOWN ON THIS SHEET. WHERE MORE RESTRICTIVE REQUIREMENTS ARE INDICATED. THE CONTRACTOR SHALL COMPLY WITH THE MORE RESTRICTIVE REQUIREMENT

1. THE DRINKING FOUNTAIN SHALL BE A MINIMUM OF 18 INCHES IN DEPTH AND THERE SHALL BE CLEAR AND UNOBSTRUCTED KNEE SPACE UNDER THE DRINKING FOUNTAIN NOT LESS THAN 27 INCHES IN HEIGHT AND 8 INCHES IN DEPTH. THE DEPTH MEASUREMENT BEING TAKEN FROM THE FRONT EDGE OF THE FOUNTAIN. ADDITIONALLY, THERE SHALL BE TOE CLEARANCE OF 9 INCHES IN HEIGHT ABOVE THE FLOOR AND 17 INCHES IN DEPTH FROM THE FRONT EDGE OF THE FOUNTAIN. A SIDE APPROACH DRINKING FOUNTAIN IS NOT ACCEPTABLE. SEE DETAIL 34 ON SHEET A9 09
2. THE BUBBLER SHALL BE ACTIVATED BY A CONTROL WHICH IS EASILY OPERATED BY A DISABLED PERSON SUCH AS A HAND-OPERATED LEVER TYPE CONTROL LOCATED WITHIN 8 INCHES OF THE FRONT OF THE DRINKING FOUNTAIN AND SHALL BE WITHIN 36 INCHES OF THE FLOOR. THE WATER STREAM FROM THE BUBBLER SHALL BE SUBSTANTIALLY PARALLEL TO THE FRONT EDGE OF THE DRINKING FOUNTAIN. SEE DETAIL 34 ON SHEET A9 09

LOCKERS

WHERE LOCKERS ARE PROVIDED FOR PUBLIC, CLIENTS, EMPLOYEES, MEMBERS, OR PARTICIPANTS. AT LEAST ONE LOCKERS AND NOT LESS THAN ONE PERCENT OF ALL LOCKERS SHALL BE MADE ACCESSIBLE TO THE PHYSICALLY DISABLED. A PATH OF TRAVEL NOT LESS THAN 36 INCHES IN CLEAR WIDTH SHALL BE PROVIDED TO THESE LOCKERS

STAIRS AND STAIR HANDRAILS

FOR LOCATION AND GENERAL DESCRIPTION OF STAIRS, REFER TO THE A1 SERIES KEY PLANS AND A2 SERIES FLOOR PLANS. DETAIL STAIR PLANS, STAIR SECTIONS, AND TYPICAL STAIR DETAILS MAY BE FOUND IN THE A7 SERIES DRAWINGS. REFER ALSO TO THE BOOK OF SPECIFICATIONS

THE FOLLOWING NOTES ESTABLISH MINIMUM REQUIREMENTS FOR THE CONSTRUCTION OF THE STAIRS. REQUIREMENTS SHOWN ELSEWHERE IN THE CONTRACT DOCUMENTS MAY BE MORE RESTRICTIVE THAN THOSE SHOWN ON THIS SHEET. WHERE MORE RESTRICTIVE REQUIREMENTS ARE INDICATED, THE CONTRACTOR SHALL COMPLY WITH THE MORE RESTRICTIVE REQUIREMENT

1. STAIR HANDRAILS SHALL EXTEND A MINIMUM OF 12 INCHES BEYOND THE TOP NOSING AND 12 INCHES PLUS THE TREAD WIDTH BEYOND THE BOTTOM NOSING. SEE STAIR SECTIONS ON SHEETS A7 03 AND A7 04 AND TYPICAL STAIR/HANDRAIL CONFIGURATION DETAILS ON SHEETS A7 05 AND A7 06
2. WHERE THE EXTENSION OF THE STAIR HANDRAIL IN THE DIRECTION OF THE STAIR RUN WOULD CREATE A HAZARD THE EXTENSION SHALL BE MADE AT RIGHT ANGLES, ON THE FACE OF A RETURNING WALL. WHERE THE STAIRS ARE CONTINUOUS FROM LANDING TO LANDING, THE INNER RAIL SHALL BE CONTINUOUS AND NEED NOT EXTEND OUT INTO THE LANDING. SEE KEYNOTE NO. 8 ON SHEET A7 01 AND KEYNOTE NO. 15 ON SHEET A7 02
3. STAIR HANDRAIL ENDS SHALL BE RETURNED OR SHALL TERMINATE IN NEWEL POSTS OR SAFETY TERMINALS. SEE DETAILS ON SHEET A7 05
4. STAIR HANDRAILS PROJECTING FROM A WALL SHALL HAVE A SPACE OF NOT LESS THAN 1-1/2 INCH BETWEEN THE WALL AND THE HANDRAIL. SEE DETAILS ON SHEETS A7 05 AND A7 06
5. THE HANDGRIP PORTION OF STAIR HANDRAILS SHALL BE NOT LESS THAN 1-1/4 INCHES NOR MORE THAN 2 INCHES IN CROSS-SECTIONAL DIMENSION NOR THE SHAPE SHALL PROVIDE AN EQUIVALENT GRIPPING SURFACE AND SHALL HAVE A SMOOTH SURFACE WITH NO SHARP CORNERS. SEE DETAILS ON SHEETS A7 05 AND A7 06
6. THE UPPER APPROACH AND THE LOWER TREAD OF EACH INTERIOR STAIR SHALL BE MARKED BY A STRIP OF CLEARLY CONTRASTING COLOR AT LEAST 2 INCHES WIDE AND PLACED PARALLEL TO AND NOT MORE THAN 1 INCH FROM THE NOSE OF THE STEP OR LANDING TO ALERT THE VISUALLY IMPAIRED. THE STRIPE SHALL BE OF A MATERIAL THAN IS AT LEAST AS SLIP RESISTANT AS THE OTHER TREADS OF THE STAIR. SEE KEYNOTE NO. 5 ON SHEET A7 01, KEYNOTE NO. 18 ON SHEET A7 02, KEYNOTE NO. 16 ON SHEET A7 03, AND KEYNOTE NO. 15 ON SHEET A7 04
7. WHERE STAIRS OCCUR OUTSIDE A BUILDING, THE UPPER APPROACH AND ALL TREADS SHALL BE MARKED BY A STRIPE OF CLEARLY CONTRASTING COLOR AT LEAST 2 INCHES WIDE AND PLACED PARALLEL TO AND NOT MORE THAN 1 INCH FROM THE NOSE OF THE STEP OR LANDING TO ALERT THE VISUALLY IMPAIRED. THE STRIPE SHALL BE OF A MATERIAL THAN IS AT LEAST AS SLIP RESISTANT AS THE OTHER TREADS OF THE STAIR. SEE KEYNOTE NO. 15 ON SHEET A7 01, KEYNOTE NO. 12 ON SHEET A7 02, KEYNOTE NO. 13 ON SHEET A7 03 AND KEYNOTE NO. 16 ON SHEET A7 04
8. ALL STAIR TREAD SURFACES SHALL BE SLIP-RESISTANT. SEE FINISH SCHEDULE ON SHEET A9 15 AND COLOR SCHEDULE ON SHEET A9 16 FOR DESCRIPTION OF TREAD FINISH MATERIALS
9. STAIR TREADS SHALL HAVE SMOOTH, ROUNDED, OR CHAMFERED EXPOSED EDGES, AND NO ABRUPT EDGES AT THE NOSING (LOWER FRONT EDGE). SEE DETAILS ON SHEETS A7 05 AND A7 06
10. THE NOSING OF STAIR TREADS SHALL NOT PROJECT MORE THAN 1-1/2 INCHES PAST THE FACE OF THE RISER BELOW. SEE DETAILS ON SHEETS A7 05 AND A7 06

MISCELLANEOUS ACCESSIBILITY NOTES

THE FOLLOWING NOTES ESTABLISH MINIMUM REQUIREMENTS FOR CONSTRUCTION OF THIS PROJECT. REQUIREMENTS SHOWN ELSEWHERE IN THE CONTRACT DOCUMENTS MAY BE MORE RESTRICTIVE THAN THOSE SHOWN ON THIS SHEET. WHERE MORE RESTRICTIVE REQUIREMENTS ARE INDICATED, THE CONTRACTOR SHALL COMPLY WITH THE MORE RESTRICTIVE REQUIREMENT

1. THE CENTER OF RECEPTACLE ELECTRICAL OUTLETS SHALL BE NOT LESS THAN 12 INCHES ABOVE THE FLOOR OR WORKING PLATFORM
2. THE CENTER OF THE GRIP OF THE OPERATING HANDLE OF SWITCHES INTENDED TO BE USED BY THE OCCUPANT OF THE ROOM OR AREA TO CONTROL LIGHTING AND RECEPTACLE OUTLETS, APPLIANCES, OR COOLING, HEATING, AND VENTILATING EQUIPMENT SHALL BE NOT LESS THAN 36 INCHES NOR MORE THAN 48 INCHES ABOVE THE FLOOR OR WORKING PLATFORM
3. THE CENTER OF FIRE ALARM INITIATING DEVICES SHALL BE LOCATED 48 INCHES ABOVE THE LEVEL OF THE FLOOR, WORKING PLATFORM, GROUND SURFACE, OR SIDEWALK
4. THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE THE STANDARD USED TO IDENTIFY FACILITIES THAT ARE ACCESSIBLE TO AND USABLE BY PHYSICALLY DISABLED PERSONS AS SET FORTH BY TITLE 24 OF THE CALIFORNIA CODE OF REGULATIONS. THE SYMBOL SPECIFIED ABOVE SHALL CONSIST OF A WHITE FIGURE ON A BLUE BACKGROUND. THE BLUE SHALL BE EQUAL TO COLOR NO 15090 IN FEDERAL STANDARD 595A
5. IF EMERGENCY WARNING SYSTEMS ARE REQUIRED THEY SHALL ACTIVATE A MEANS OF WARNING THE HEARING IMPAIRED. FLASHING VISUAL WARNING SHALL HAVE A FREQUENCY OF NOT MORE THAN 60 FLASHES PER MINUTE
6. AT KITCHEN SINKS, FAUCET CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NOT GREATER THAN 5 POUND-FEET
7. IN BUILDINGS AND FACILITIES, FLOORS OF A GIVEN STORY SHALL BE A COMMON LEVEL THROUGHOUT, OR SHALL BE CONNECTED BY PEDESTRIAN RAMPS, PASSENGER ELEVATORS, OR SPECIAL ACCESS LIFTS

SITE DEVELOPMENT AND PARKING

THE PLANS AND DETAILS OF THE SITE DEVELOPMENT AND PARKING AREA WORK ARE SHOWN ON SHEET A0 03. THE LANDSCAPE ARCHITECTURE DRAWINGS, AND THE CIVIL ENGINEERING DRAWINGS. REFER ALSO TO THE BOOK OF SPECIFICATIONS

THE FOLLOWING NOTES ESTABLISH MINIMUM REQUIREMENTS FOR THE SITE DEVELOPMENT AND PARKING AREA WORK. REQUIREMENTS SHOWN ELSEWHERE IN THE CONTRACT DOCUMENTS MAY BE MORE RESTRICTIVE THAN THOSE SHOWN ON THIS SHEET. WHERE MORE RESTRICTIVE REQUIREMENTS ARE INDICATED. THE CONTRACTOR SHALL COMPLY WITH THE MORE RESTRICTIVE REQUIREMENT

1. PEDESTRIAN WAYS WHICH ARE ACCESSIBLE TO THE PHYSICALLY DISABLED SHALL BE PROVIDED FROM EACH DISABLED PARKING SPACE TO RELATED FACILITIES, INCLUDING CURB CUTS OR RAMPS AS NEEDED. SEE SHEET C2 1 AND DETAILS ON SHEET C6 1
2. WALK AND SIDEWALK SURFACES WITH A SLOP OF LESS THAN 6 PERCENT GRADIENT SHALL BE AT LEAST AS SLIP-RESISTANT AS THAT DESCRIBED AS A MEDIUM SALTED FINISH
3. WALK AND SIDEWALK SURFACE CROSS SLOPES SHALL NOT EXCEED 1/4 INCH PER FOOT
4. WALKS, SIDEWALKS, AND PEDESTRIAN WAYS SHALL BE FREE OF GRATINGS WHENEVER POSSIBLE. FOR GRATINGS LOCATED IN THE SURFACE OF ANY OF THESE AREAS, GRID OPENINGS IN GRATINGS SHALL BE LIMITED TO 1/2 INCH WIDTH IN THE DIRECTION OF TRAFFIC FLOW
5. WALKS AND SIDEWALKS PROVIDING DISABLED ACCESS SHALL HAVE A CONTINUOUS COMMON SURFACE, NOT INTERRUPTED BY STEPS OR BY ABRUPT CHANGES IN LEVEL EXCEEDING 1/2 INCH, AND SHALL BE A MINIMUM OF 48 INCHES IN WIDTH
6. ABRUPT CHANGES IN LEVEL ALONG ANY ACCESSIBLE ROUTE SHALL NOT EXCEED 1/2 INCH. WHERE CHANGES IN LEVEL DO OCCUR, THEY SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2 EXCEPT THAT LEVEL CHANGES NOT EXCEEDING 1/4 INCH MAY BE VERTICAL
7. WHEN CHANGES IN LEVELS GREATER THAN 1/2 INCH ARE NECESSARY IN WALKS AND SIDEWALKS PROVIDING DISABLED ACCESS, THEY SHALL COMPLY WITH THE REQUIREMENTS FOR CURB RAMPS
8. WALKS SHALL BE PROVIDED WITH A LEVEL AREA NOT LESS THAN 40 INCHES BY 60 INCHES AT A DOOR OR GATE THAT SWINGS TOWARD THE WALK, AND NOT LESS THAN 48 INCHES WIDE BY 44 INCHES DEEP AT A DOOR OR GATE THAT SWINGS AWAY FROM THE WALK. SUCH WALKS SHALL EXTEND 24 INCHES TO THE SIDE OF THE STRIKE EDGE OF A DOOR OR GATE THAT SWINGS TOWARD THE WALK
9. ALL WALKS WITH CONTINUOUS GRADIENTS SHALL HAVE LEVEL AREAS AT LEAST 5 FEET IN LENGTH AT INTERVALS OF AT LEAST EVERY 400 FEET
10. ANY PATH OF TRAVEL SHALL BE CONSIDERED A RAMP IF ITS SLOPE IS GREATER THAN 1 FOOT RISE IN 20 FEET OF HORIZONTAL RUN

PUBLIC TELEPHONES

PUBLIC TELEPHONES ARE NOT A PART OF THE SCOPE OF THIS PROJECT. HOWEVER IF INCLUDED INTO THE SCOPE AT A LATER DATE, THE FOLLOWING MINIMUM STANDARDS WILL APPLY

THE FOLLOWING NOTES ESTABLISH MINIMUM REQUIREMENTS FOR THE SITE DEVELOPMENT AND PARKING AREA WORK. REQUIREMENTS SHOWN ELSEWHERE IN THE CONTRACT DOCUMENTS MAY BE MORE RESTRICTIVE THAN THOSE SHOWN ON THIS SHEET. WHERE MORE RESTRICTIVE REQUIREMENTS ARE INDICATED, THE CONTRACTOR SHALL COMPLY WITH THE MORE RESTRICTIVE REQUIREMENT

1. THE CORD FROM THE TELEPHONE TO THE HANDSET SHALL BE AT LEAST 29 INCHES LONG
2. PUBLIC TELEPHONES SHALL BE EQUIPPED WITH A RECEIVER THAT GENERATES A MAGNETIC FIELD IN THE AREA OF THE RECEIVER CAP. IF BANKS OF PUBLIC TELEPHONES ARE PROVIDED, THEN A REASONABLE NUMBER, BUT ALWAYS AT LEAST ONE, SHALL BE EQUIPPED WITH A VOLUME CONTROL
3. TELEPHONES SHALL HAVE PUSH-BUTTON CONTROLS WHERE SERVICE FOR SUCH EQUIPMENT IS AVAILABLE
4. TYPICAL MOUNTING HEIGHTS AND REQUIRED MINIMUM CLEARANCES ARE ILLUSTRATED BY DETAIL 29 ON THIS SHEET

MINIMUM ACCESSIBILITY STANDARDS AND GENERAL NOTES

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No. Date
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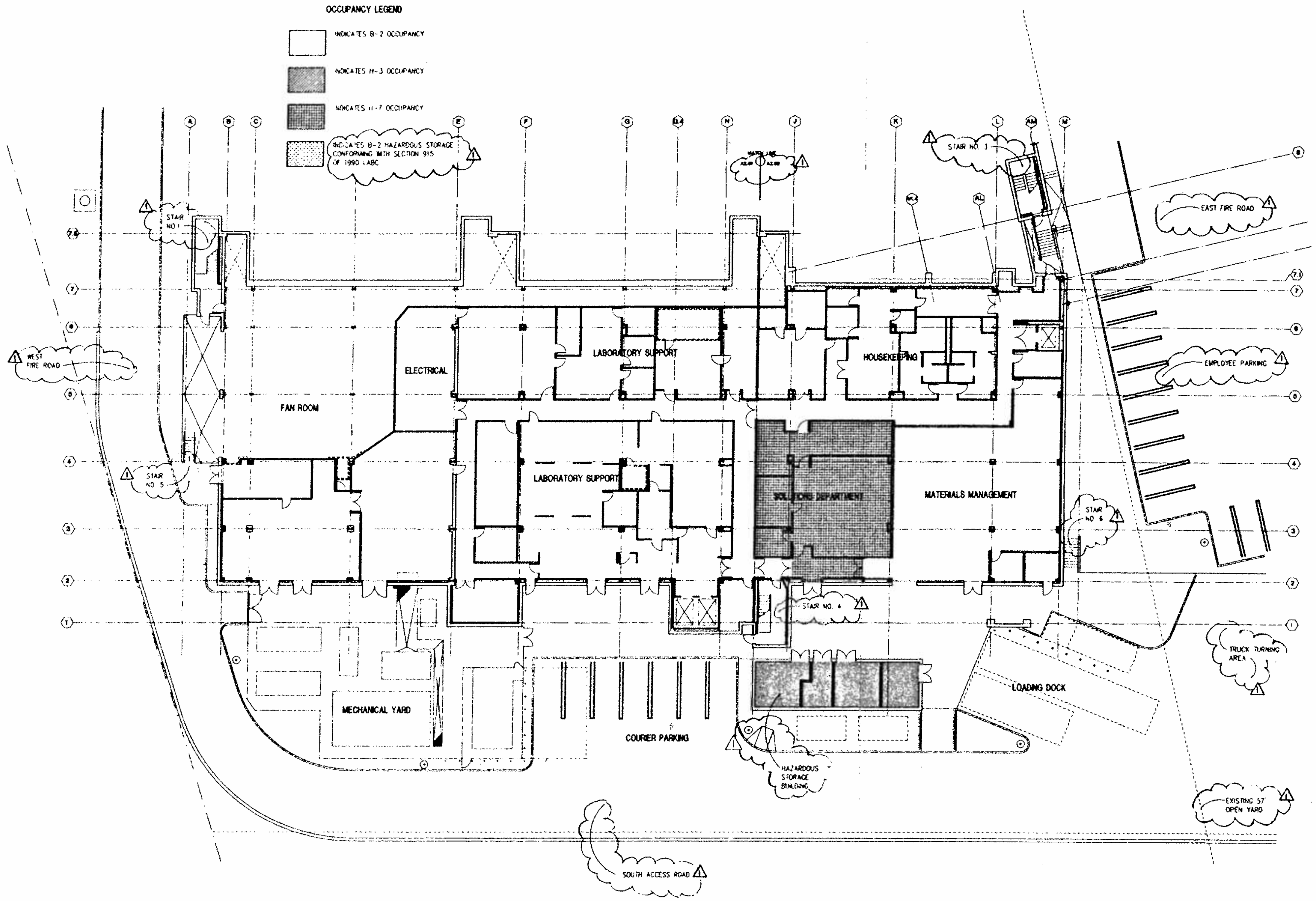
Southern California Region

ACCESSIBILITY NOTES AND CODE SIGNAGE

Project No. 19210 01
Date
B 1 BULLETIN
Drawing No. A0.06



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SHEET NOTES

1. IT IS THE PURPOSE OF THIS DRAWING TO ILLUSTRATE THE EXTENT OF THE VARIOUS OCCUPANCY CLASSIFICATIONS CONTAINED WITHIN THE BUILDING. FOR DETAILED INFORMATION REGARDING THE WORK OF THIS PROJECT, REFER FIRST TO THE A2 SERIES FLOOR PLANS.
2. REFER TO THE LEGEND SHOWN ON THIS SHEET TO DETERMINE THE GRAPHIC SYMBOL USED TO INDICATE EACH OCCUPANCY GROUP WHICH OCCURS ON THIS PROJECT. WHERE NO GRAPHIC SYMBOL OCCURS ON THE KEY PLAN, THE OCCUPANCY GROUP IS B-2.
3. FIRE-RATINGS FOR OCCUPANCY SEPARATIONS SHALL CONFORM WITH TABLE NO. 5-B OF THE 1990 LABC AND BE AS FOLLOWS:

   BETWEEN A-3 AND B-2: ONE HOUR

   BETWEEN B-2 AND H-7: ONE HOUR

   BETWEEN B-2 AND B-2 HAZARD STORAGE: ONE HOUR

   H-3 OCCUPANCY IS LOCATED IN SEPARATE BUILDING.

   FOR ADDITIONAL INFORMATION REGARDING THE FIRE-RATING AND CONSTRUCTION OF THE OCCUPANCY SEPARATION WALLS, SEE INDICATED PARTITION TYPES SHOWN ON THE A2 SERIES DRAWINGS.

   NOTE: PARTITION TYPES AND NOTES SHOWN ON THE A2 SERIES DRAWINGS MAY REQUIRE GREATER FIRE-RATINGS THAN INDICATED ABOVE.
4. FOR ADDITIONAL NOTES WHICH MAY BE APPLICABLE TO THIS SHEET, REFER TO THE "GENERAL NOTES" SHOWN ON SHEET A0.01

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KEY PLAN GROUND FLOOR OCCUPANCY GROUPS

SCALE: 1/16 INCH EQUALS 1 FOOT

Project No.		Drawing No.
19210.01	B 1 BULLETIN	A1.01
Date 15 MAY 1991		

PROJECT NO. 19210.01

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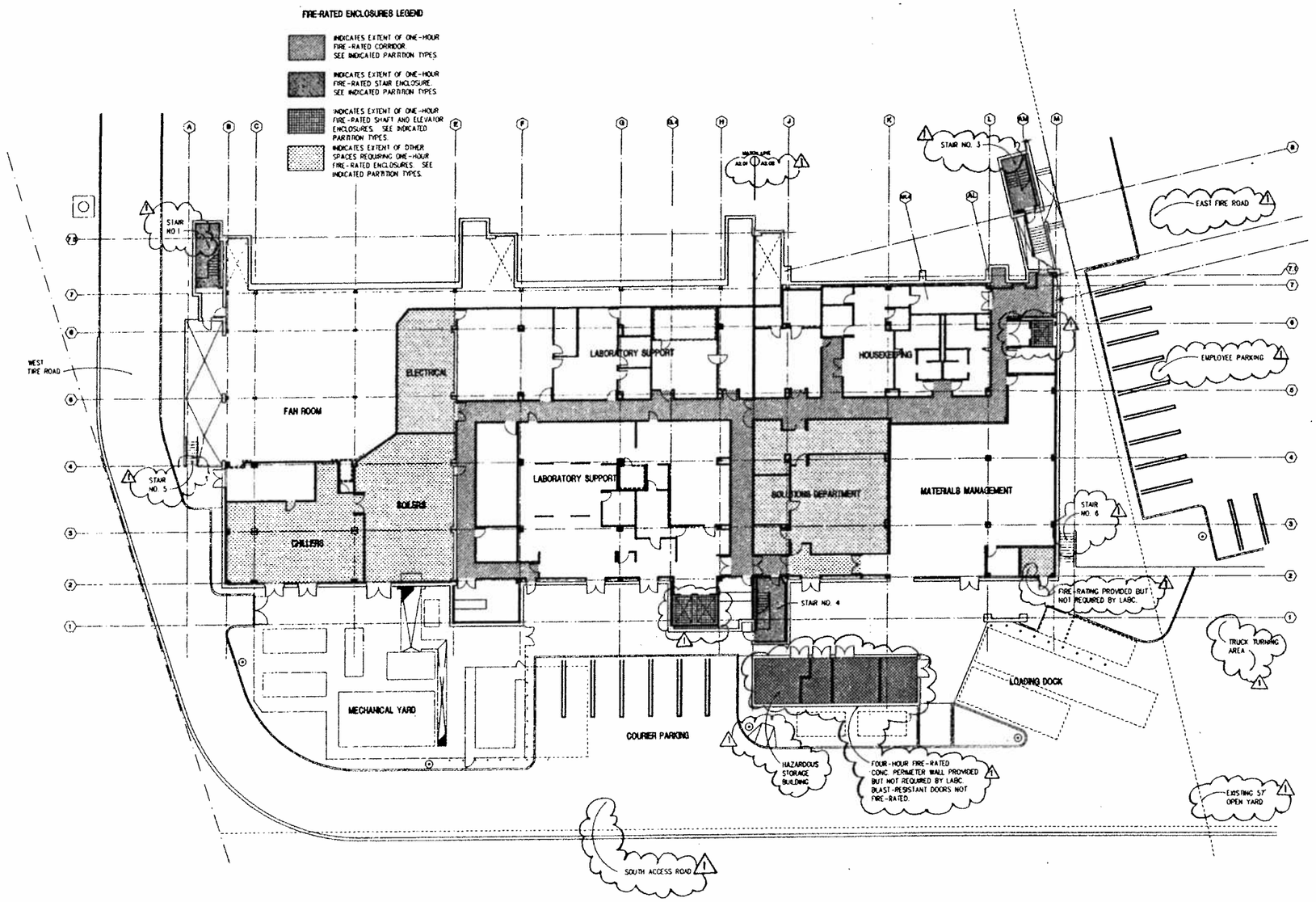
SHEET NOTES

1. IT IS THE PURPOSE OF THIS DRAWING TO DIAGRAMMATICALLY ILLUSTRATE THE GENERAL EXTENT AND LOCATIONS OF AREAS, SUCH AS CORRIDORS OR SHAFTS, WHICH REQUIRE FIRE-RATED ENCLOSURES. FOR MORE DETAILED INFORMATION REGARDING THE WORK OF THIS PROJECT, REFER FIRST TO THE A2 SERIES FLOOR PLANS.
2. REFER TO THE LEGEND SHOWN ON THIS SHEET TO DETERMINE THE GRAPHIC SYMBOL USED TO INDICATE EACH ENCLOSURE GROUP AND ITS CORRESPONDING FIRE-RATING WHICH OCCURS ON THIS PROJECT. WHERE NO GRAPHIC SYMBOL OCCURS ON THE KEY PLAN, NO FIRE-RATED ENCLOSURE IS REQUIRED.
3. FOR INFORMATION REGARDING THE FIRE-RATING AND CONSTRUCTION OF THE FIRE-RATED ENCLOSURE WALLS, SEE INDICATED PARTITION TYPES SHOWN ON THE A2 SERIES DRAWINGS.
4. FIRE-RATED DUCT ENCLOSURES ARE REQUIRED ON THIS PROJECT. REFER TO THE A3 REFLECTED CEILING PLANS, THE A6 PARTIAL BUILDING SECTIONS, AND THE A8 INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION REGARDING DUCT ENCLOSURES.
5. FOR ADDITIONAL NOTES WHICH MAY BE APPLICABLE TO THIS SHEET, REFER TO THE "GENERAL NOTES" SHOWN ON SHEET A0.01.



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KEY PLAN
GROUND FLOOR
FIRE RATINGS
SCALE: 1/16 INCH EQUALS 1 FOOT

Project No.		Drawing No.
19210.01	B 1	A1.02
Date 15 MAY 1991	BULLETIN	

PROJECT NO. 19210.01

NO.	DWG. TITLE	TITLE	NOTES

DWG. FILE: KP-G/A1.02/09MAY91

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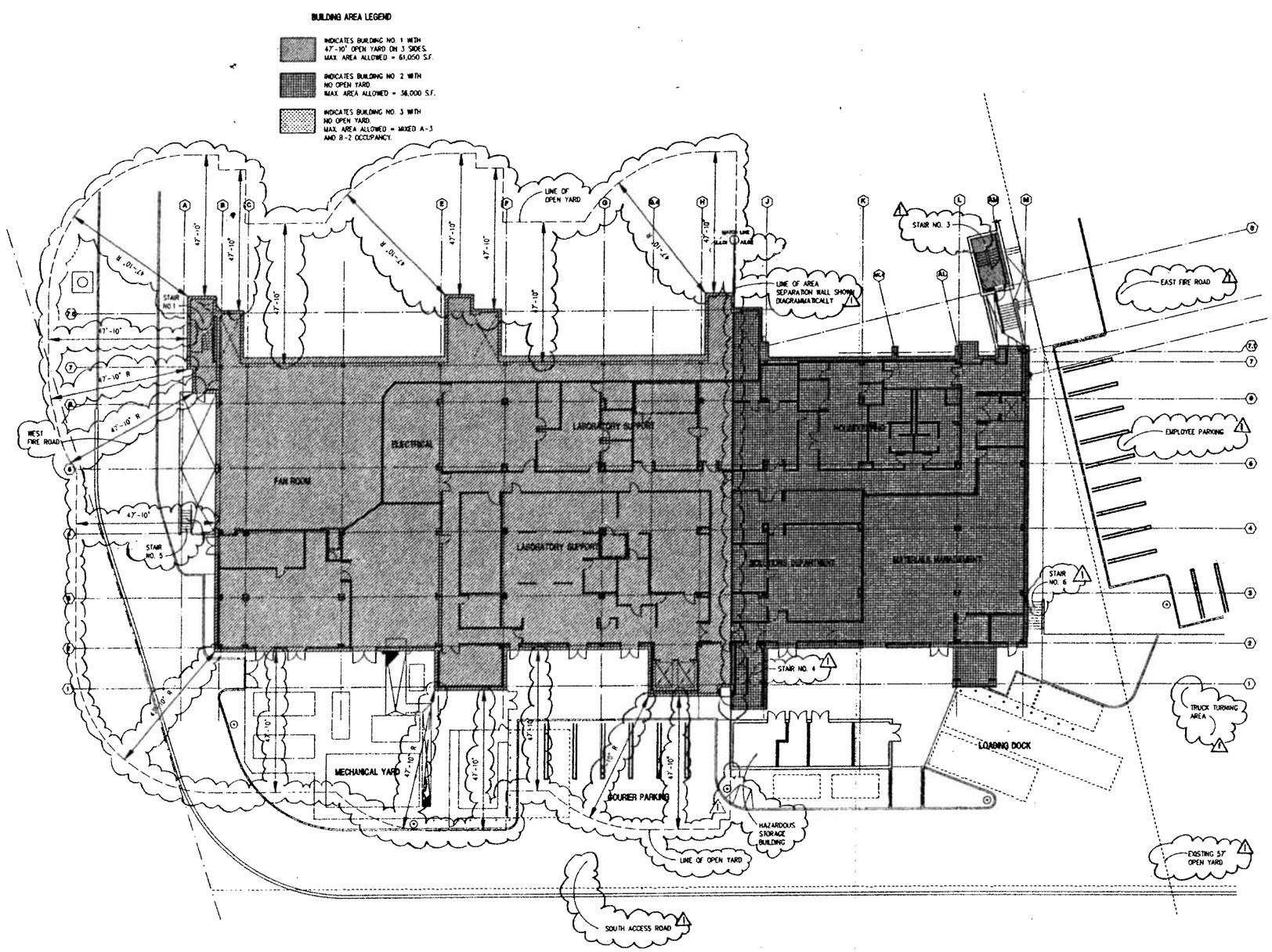

SHEET NOTES

1. IT IS THE PURPOSE OF THIS DRAWING TO ILLUSTRATE THE VARIOUS AREAS OF THE BUILDING WHICH ARE SEPARATED BY TWO-HOUR FIRE-RATED AREA SEPARATION WALLS. FOR INFORMATION REGARDING THE CONSTRUCTION OF THE AREA SEPARATION WALLS, SEE INDICATED PARTITION TYPES SHOWN ON THE A2 SERIES DRAWINGS.
2. TOTAL BUILDING AREA IS 98,351 SQUARE FEET PER SECTION 407 OF THE 1990 LOS ANGELES BUILDING CODE. PER SECTION 505(E), FOR PURPOSES OF DETERMINING ALLOWABLE FLOOR AREA, EACH PORTION OF A BUILDING SEPARATED BY ONE OR MORE AREA SEPARATION WALLS MAY BE CONSIDERED A SEPARATE BUILDING. AS SHOWN, THE PROJECT MAY BE CONSIDERED AS FOLLOWS:

WESTERN PORTION	58,347 SQ. FT. ON 3 FLOORS
EASTERN PORTION	35,321 SQ. FT. ON 3 FLOORS
ADMIN. BLDGK	4,683 SQ. FT. ON 2 FLOORS

SEE KEY PLAN ON THIS SHEET FOR ADDITIONAL INFORMATION.

3. PER TABLE 5-C AND SECTION 505(B) OF THE 1990 LABC, THE FOLLOWING MAXIMUM ALLOWABLE FLOOR AREAS APPLY:

TYPE 2 - 1 HOUR CONSTRUCTION

	SINGLE FLOOR	MULTI-STORY
A-3 OCCUPANCY	13,500 SQ. FT.	27,000 SQ. FT.
B-2 OCCUPANCY	18,000 SQ. FT.	36,000 SQ. FT.
H-7 OCCUPANCY	18,000 SQ. FT.	36,000 SQ. FT.

4. ALLOWABLE AREA OF WESTERN PORTION MAY BE INCREASED PER SECTION 505(A)2 OF 1990 LABC FOR SEPARATION ON THREE SIDES. WIDTH OF OPEN YARD IS DETERMINED BY MINIMUM DISTANCE BETWEEN UTILITY TOWERS NO. 4 AND NO. 5 ON SOUTH SIDE OF BUILDING. 47'-10" OPEN YARD RESULTS IN THE FOLLOWING INCREASED AREAS [(47.83' LESS 20') TIMES 2.5 PERCENT OR 69.583 PERCENT INCREASE].

	TABLE 5-C 2 STORIES	OPEN YARD INCREASE	MAXIMUM AREA
A-3	27,000 SQ FT	18,700 SQ. FT.	43,700 SQ. FT.
B-2	36,000 SQ.FT.	25,050 SQ. FT.	61,050 SQ. FT
A-3	36,000 SQ.FT.	25,050 SQ. FT.	61,050 SQ. FT.

5. AREA INCREASE FOR AUTOMATIC SPRINKLER SYSTEM PER SECTION 505(C) OF 1990 LABC IS NOT SOUGHT.
6. H-3 OCCUPANCY HAZARDOUS STORAGE SHED ON GROUND FLOOR LEVEL (EL. 703'-0") IS LIMITED TO A MAXIMUM ALLOWABLE FLOOR AREA OF 11,200 SQUARE FEET PER TABLE 5-C AND SECTION 505(B) OF THE 1990 LOS ANGELES BUILDING CODE.
7. LINE OF TWO-HOUR FIRE RATED AREA SEPARATION WALLS IS SHOWN DIAGRAMMATICALLY. SEE A2 SERIES FLOOR PLANS FOR PARTITION TYPES AND DETAILS.

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KEY PLAN GROUND FLOOR AREA SEPARATIONS

SCALE: 1/16 INCH EQUALS 1 FOOT

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PROJECT NO. 19210.01

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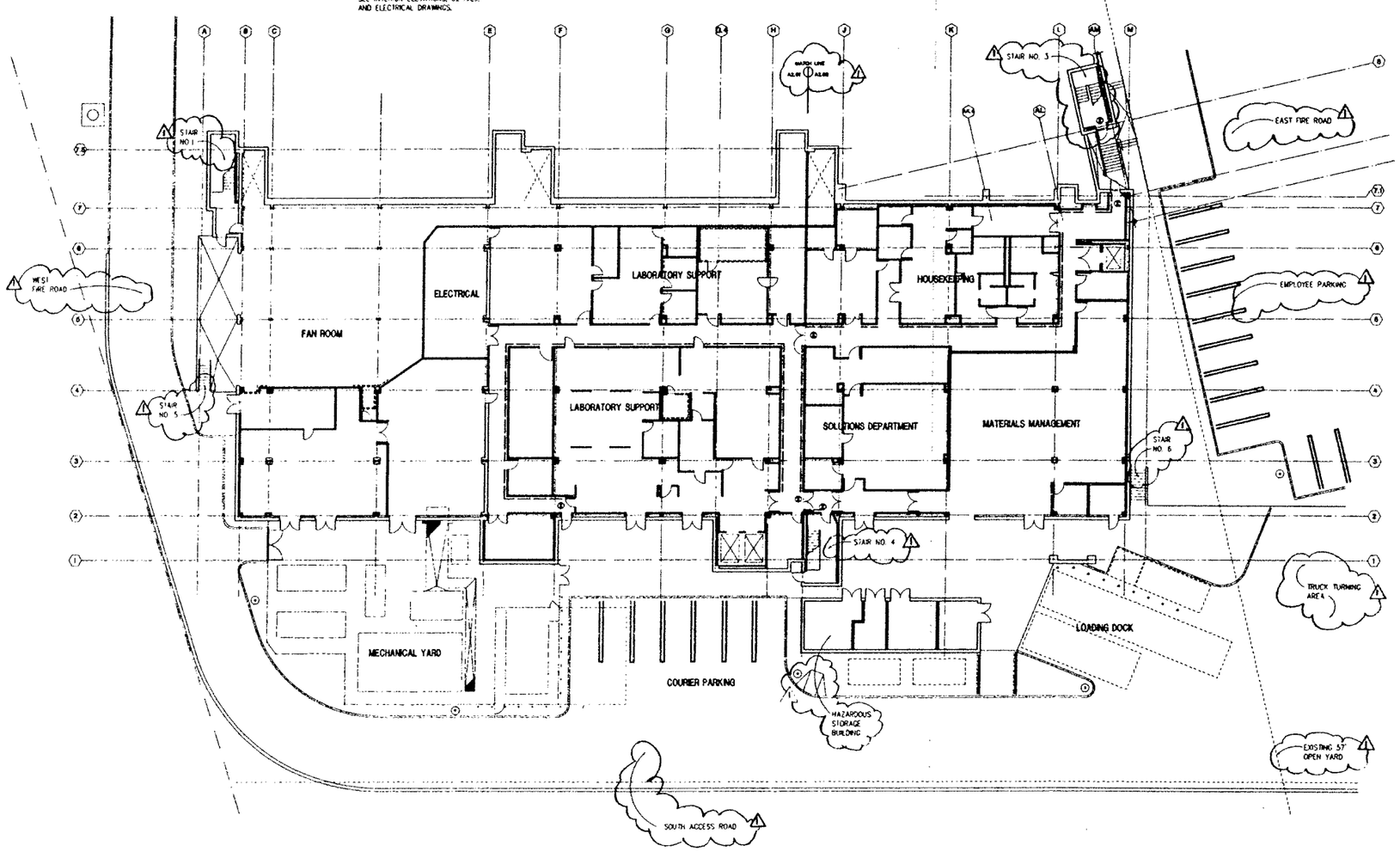
SHEET NOTES

1. IT IS THE PURPOSE OF THIS DRAWING TO DIAGRAMMATICALLY ILLUSTRATE THE LOCATION AND EXTENT OF THE LOW LEVEL EXIT PATH MARKING AND LOW LEVEL EXIT SIGNS REQUIRED BY SECTION 3314(E) AND 3314(F) OF THE 1990 LOS ANGELES BUILDING CODE. OTHER CODE REQUIRED AND/OR PROVIDED EXIT SIGNS TO BE MOUNTED ON UPPER WALLS OR CEILINGS ARE NOT SHOWN HERE.
2. PROVIDE LOW LEVEL EXIT PATH MARKING AND LOW LEVEL EXIT SIGNS WHICH CONFORM WITH A SPECIFIC, CURRENT LOS ANGELES RESEARCH REPORT OR ARE U.L. LISTED.
3. SEE ARCHITECTURAL INTERIOR ELEVATIONS FOR ADDITIONAL DETAILED INFORMATION REGARDING THE EXTENT AND LOCATION OF LOW LEVEL EXIT DEVICES.
4. SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR INFORMATION REGARDING ADDITIONAL EXIT SIGNS TO BE MOUNTED ON UPPER WALLS AND/OR CEILINGS
5. FOR ADDITIONAL NOTES WHICH MAY BE APPLICABLE TO THIS SHEET, REFER TO THE "GENERAL NOTES" SHOWN ON SHEET A0.01

LOW LEVEL EXIT PATH & SIGNS

——— INDICATES LOW LEVEL EXIT PATH MARKING DEVICE - SEE INTERIOR ELEVATIONS, DETAILS, AND ELECTRICAL DRAWINGS.

INDICATES LOW LEVEL EXIT SIGN - SEE INTERIOR ELEVATIONS, DETAILS, AND ELECTRICAL DRAWINGS.



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Revisions

No.		Date
1	BULLETIN NO. 1	

Regional Reference Laboratory
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Kaiser Permanente Medical Care Program
Southern California Region

KEY PLAN
GROUND FLOOR
LOW LEVEL EXIT
SCALE 1/16 INCH EQUALS 1 FOOT

Project No. 1921.0.01

Date 15 MAY 1991

B 1 BULLETIN

A1.04

DWG. FILE: KP-S/A1.04/09MAY91

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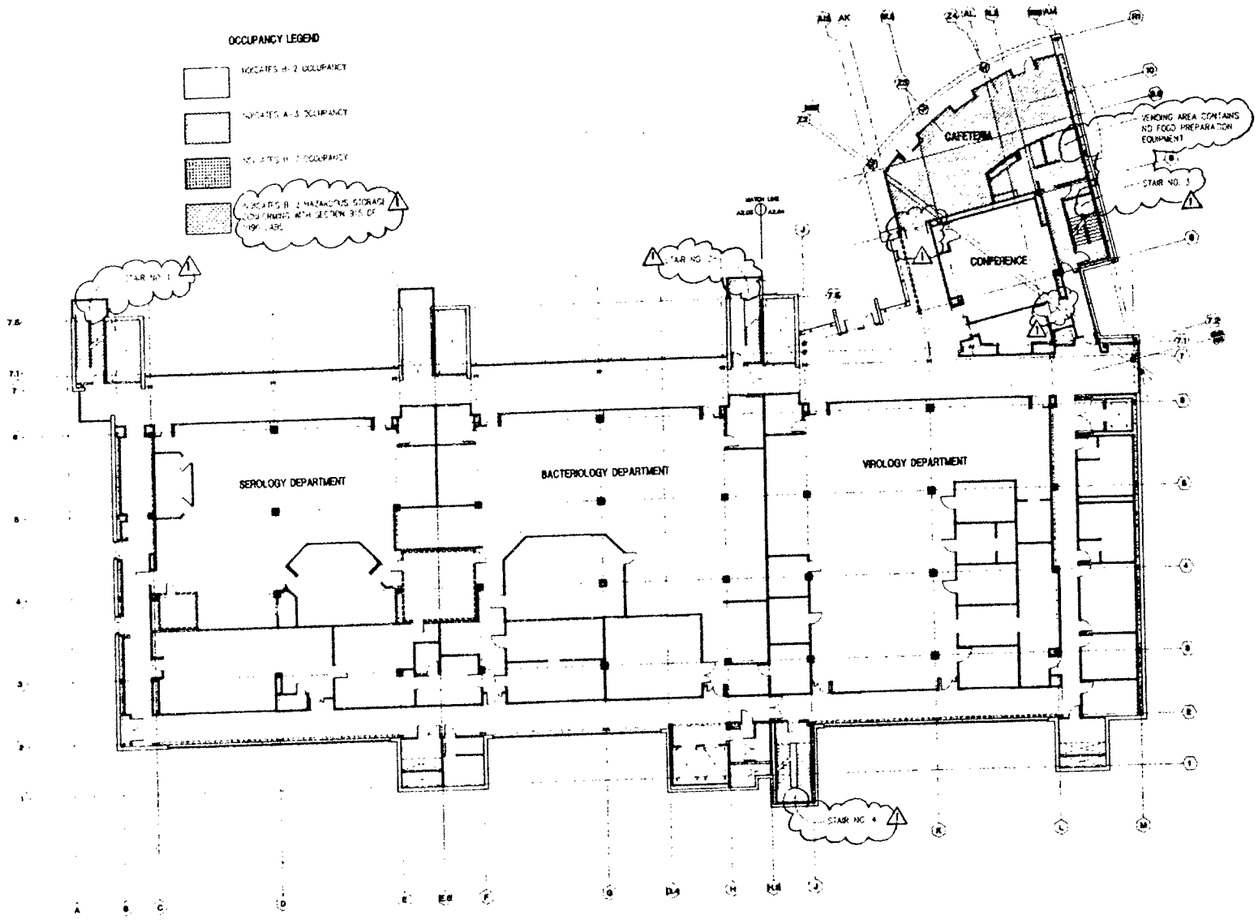

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SHEET NOTES

1. IT IS THE PURPOSE OF THIS DRAWING TO ILLUSTRATE THE EXTENT OF THE VARIOUS OCCUPANCY CLASSIFICATIONS CONTAINED WITHIN THE BUILDING. FOR DETAILED INFORMATION REGARDING THE WORK OF THIS PROJECT, REFER FIRST TO THE A2 SERIES FLOOR PLANS
2. REFER TO THE LEGEND SHOWN ON THIS SHEET TO DETERMINE THE GRAPHIC SYMBOL USED TO INDICATE EACH OCCUPANCY GROUP WHICH OCCURS ON THIS PROJECT. WHERE NO GRAPHIC SYMBOL OCCURS ON THE KEY PLAN, THE OCCUPANCY GROUP IS B-2
3. FIRE-RATINGS FOR OCCUPANCY SEPARATIONS SHALL CONFORM WITH TABLE NO. 5-B OF THE 1980 LABC AND BE AS FOLLOWS

   BETWEEN A-3 AND B-2 ONE HOUR

   BETWEEN B-2 AND H-7 ONE HOUR

   BETWEEN B-2 AND B-2 HAZARD STORAGE ONE HOUR

   H-3 OCCUPANCY IS LOCATED IN SEPARATE BUILDING

   FOR ADDITIONAL INFORMATION REGARDING THE FIRE-RATING AND CONSTRUCTION OF THE OCCUPANCY SEPARATION WALLS, SEE INDICATED PARTITION TYPES SHOWN ON THE A2 SERIES DRAWINGS

   NOTE: PARTITION TYPES AND NOTES SHOWN ON THE A2 SERIES DRAWINGS MAY REQUIRE GREATER FIRE-RATINGS THAN INDICATED ABOVE
4. FOR ADDITIONAL NOTES WHICH MAY BE APPLICABLE TO THIS SHEET, REFER TO THE "GENERAL NOTES" SHOWN ON SHEET A0.01

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Revisions

No.	Date

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood - Los Angeles, California

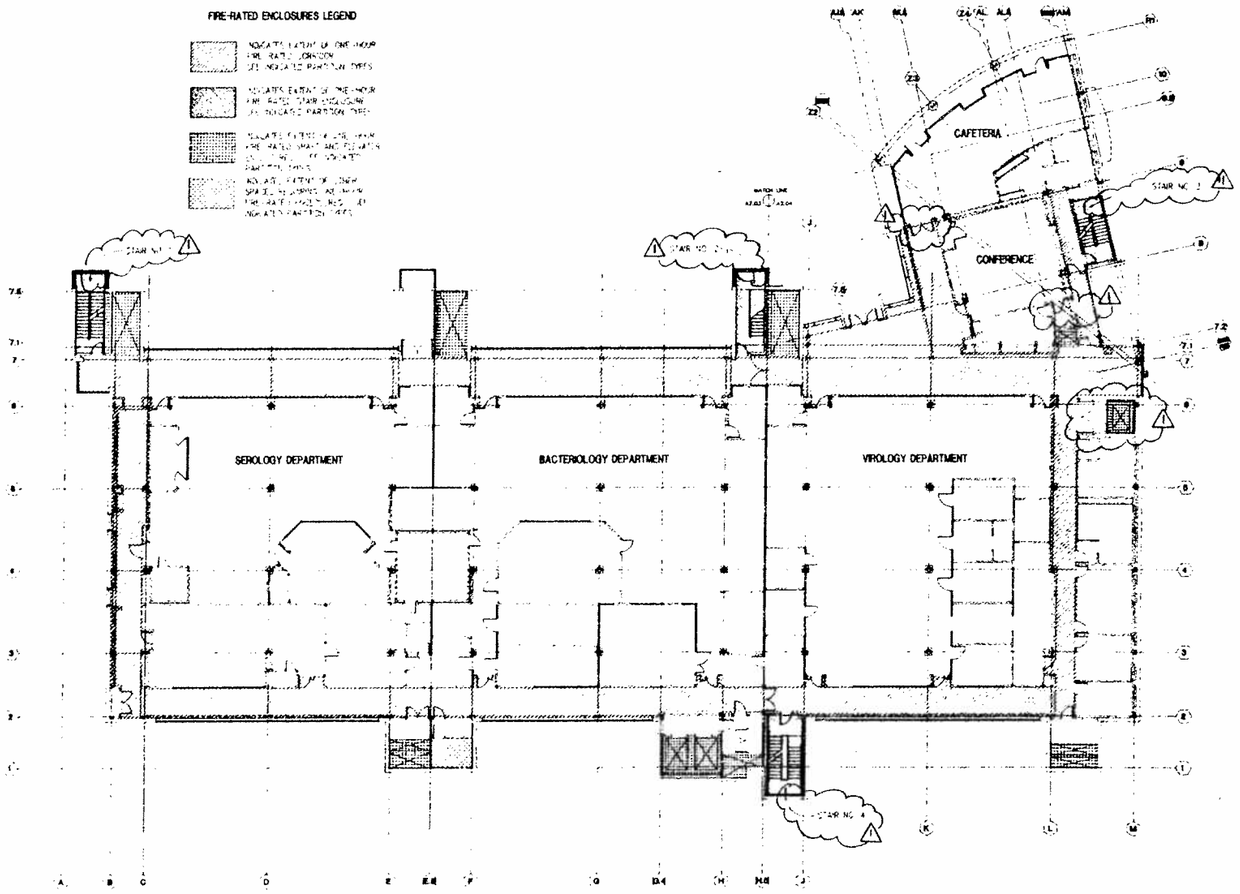
Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

KEY PLAN
LAB LEVEL ONE
OCCUPANCY GROUPS
SCALE: 1/16 INCH EQUALS 1 FOOT

Project No.		Drawing No.
19.210.01	B 1	A1.05
Date 15 MAY 1991	BULLETIN	

SHEET NOTES

1. IT IS THE PURPOSE OF THIS DRAWING TO DIAGRAMMATICALLY ILLUSTRATE THE GENERAL EXTENT AND LOCATIONS OF AREAS, SUCH AS CORRIDORS OR SHAFTS, WHICH REQUIRE FIRE RATED ENCLOSURES. FOR MORE DETAILED INFORMATION REGARDING THE WORK OF THIS PROJECT, REFER FIRST TO THE A2 SERIES FLOOR PLANS.
2. REFER TO THE LEGEND SHOWN ON THIS SHEET TO DETERMINE THE GRAPHIC SYMBOL USED TO INDICATE EACH ENCLOSURE GROUP AND ITS CORRESPONDING FIRE RATING WHICH OCCURS ON THIS PROJECT. WHERE NO GRAPHIC SYMBOL OCCURS ON THE KEY PLAN, NO FIRE RATED ENCLOSURE IS REQUIRED.
3. FOR INFORMATION REGARDING THE FIRE RATING AND CONSTRUCTION OF THE FIRE RATED ENCLOSURE WALLS, SEE INDICATED PARTITION TYPES SHOWN ON THE A2 SERIES DRAWINGS.
4. FIRE RATED DUCT ENCLOSURES ARE REQUIRED ON THIS PROJECT. REFER TO THE A3 REFLECTED CEILING PLANS, THE A5 PARTIAL BUILDING SECTIONS, AND THE A8 INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION REGARDING DUCT ENCLOSURES.
5. FOR ADDITIONAL NOTES WHICH MAY BE APPLICABLE TO THIS SHEET, REFER TO THE "GENERAL NOTES" SHOWN ON SHEET A0.01.



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Revisions

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North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

KEY PLAN
LAB LEVEL ONE
FIRE RATINGS
SCALE: 1/16 INCH EQUALS 1 FOOT

Project No.		Drawing No.
19.210.01	B 1 BULLETIN	A1.06
Date 15 MAY 1991		

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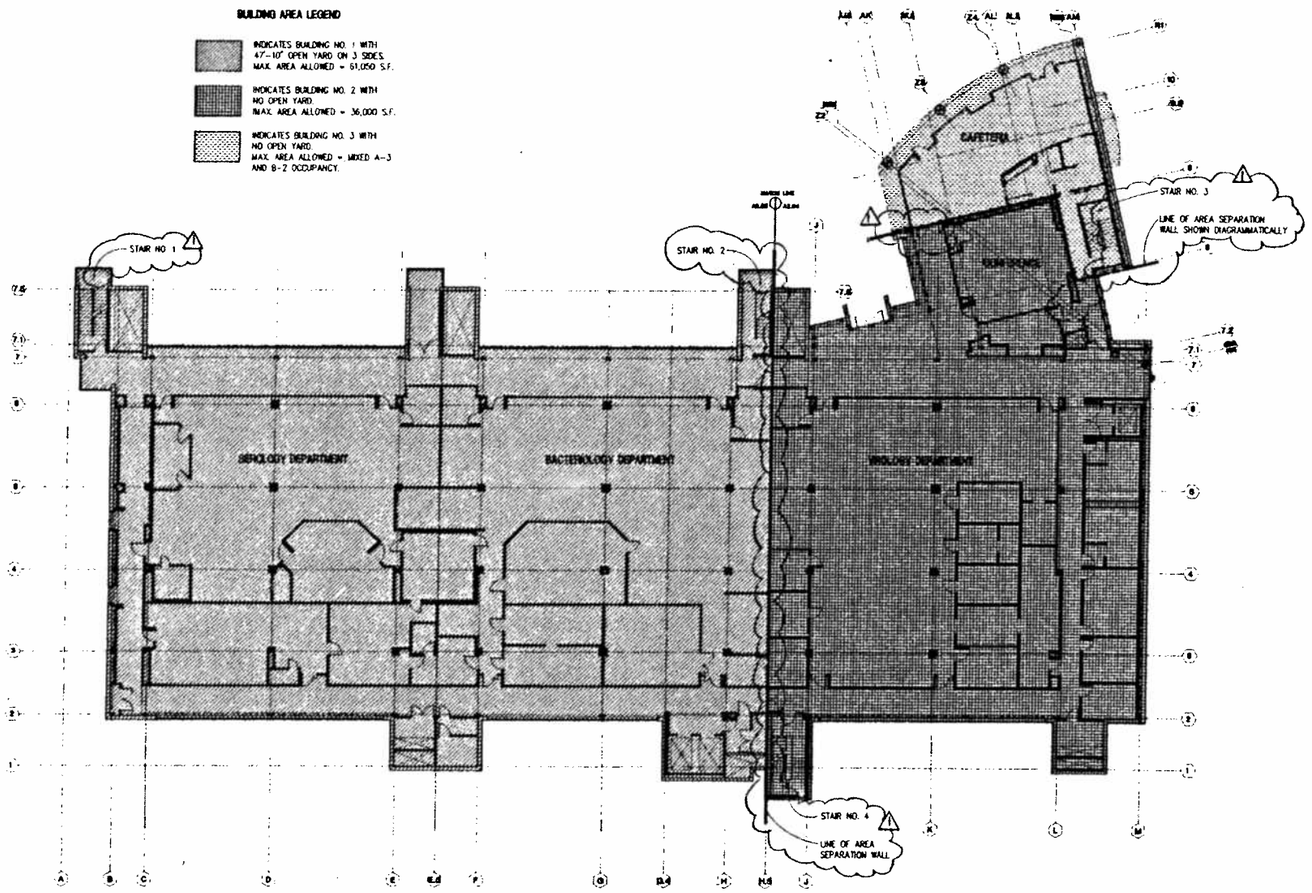

SHEET NOTES

1. IT IS THE PURPOSE OF THIS DRAWING TO ILLUSTRATE THE VARIOUS AREAS OF THE BUILDING WHICH ARE SEPARATED BY TWO-HOUR FIRE RATED AREA SEPARATION WALLS. FOR INFORMATION REGARDING THE CONSTRUCTION OF THE AREA SEPARATION WALLS, SEE INDICATED PARTITION TYPES SHOWN ON THE A2 SERIES DRAWINGS.
2. TOTAL BUILDING AREA IS 88,351 SQUARE FEET PER SECTION 407 OF THE 1980 LOS ANGELES BUILDING CODE PER SECTION 505(E). FOR PURPOSES OF DETERMINING ALLOWABLE FLOOR AREA, EACH PORTION OF A BUILDING SEPARATED BY ONE OR MORE AREA SEPARATION WALLS MAY BE CONSIDERED A SEPARATE BUILDING. AS SHOWN, THE PROJECT MAY BE CONSIDERED AS FOLLOWS:

WESTERN PORTION	58,347 SQ. FT. ON 3 FLOORS
EASTERN PORTION	35,321 SQ. FT. ON 3 FLOORS
ADMIN. BLOCK	4,683 SQ. FT. ON 2 FLOORS

SEE KEY PLAN ON THIS SHEET FOR ADDITIONAL INFORMATION.

3. PER TABLE 5-C AND SECTION 505(B) OF THE 1980 LABC, THE FOLLOWING MAXIMUM ALLOWABLE FLOOR AREAS APPLY:

TYPE 2 - 1 HOUR CONSTRUCTION

	SINGLE FLOOR	MULTI-STORY
A-3 OCCUPANCY	13,500 SQ. FT.	27,000 SQ. FT.
B-2 OCCUPANCY	18,000 SQ. FT.	36,000 SQ. FT.
H-1 OCCUPANCY	18,000 SQ. FT.	36,000 SQ. FT.

4. ALLOWABLE AREA OF WESTERN PORTION MAY BE INCREASED PER SECTION 506(A)2 OF 1980 LABC FOR SEPARATION ON THREE SIDES. WIDTH OF OPEN YARD IS DETERMINED BY MINIMUM DISTANCE BETWEEN UTILITY TOWERS NO. 4 AND NO. 5 ON SOUTH SIDE OF BUILDING. 47'-10" OPEN YARD RESULTS IN THE FOLLOWING INCREASED AREAS (147.833' LESS 20') TIMES 2.5 PERCENT OR 69.583 PERCENT INCREASE):

	TABLE 5-C 2 STORIES	OPEN YARD INCREASE	MAXIMUM AREA
A-3	27,000 SQ.FT.	16,700 SQ. FT.	43,700 SQ. FT.
B-2	36,000 SQ.FT.	25,050 SQ. FT.	61,050 SQ. FT.
A-3	36,000 SQ.FT.	25,050 SQ. FT.	61,050 SQ. FT.

5. AREA INCREASE FOR AUTOMATIC SPRINKLER SYSTEM PER SECTION 506(C) OF 1980 LABC IS NOT SOUGHT.
6. H-3 OCCUPANCY HAZARDOUS STORAGE SHED ON GROUND FLOOR LEVEL (EL. 733'-0") IS LIMITED TO A MAXIMUM ALLOWABLE FLOOR AREA OF 11,200 SQUARE FEET PER TABLE 5-C AND SECTION 505(B) OF THE 1980 LOS ANGELES BUILDING CODE.
7. LINE OF TWO-HOUR FIRE RATED AREA SEPARATION WALLS IS SHOWN DIAGRAMMATICALLY. SEE A2 SERIES FLOOR PLANS FOR PARTITION TYPES AND DETAILS.

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Laboratory Electrical Engineer

Revisions

No.	Date

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Kaiser Permanente Medical Care Program
Southern California Region

KEY PLAN
LAB LEVEL ONE
AREA SEPARATIONS

SCALE: 1/16 INCH EQUALS 1 FOOT

Project No.		Drawing No.
19.210.01	B 1	A1.07
Date 15 MAY 1991	BULLETIN	

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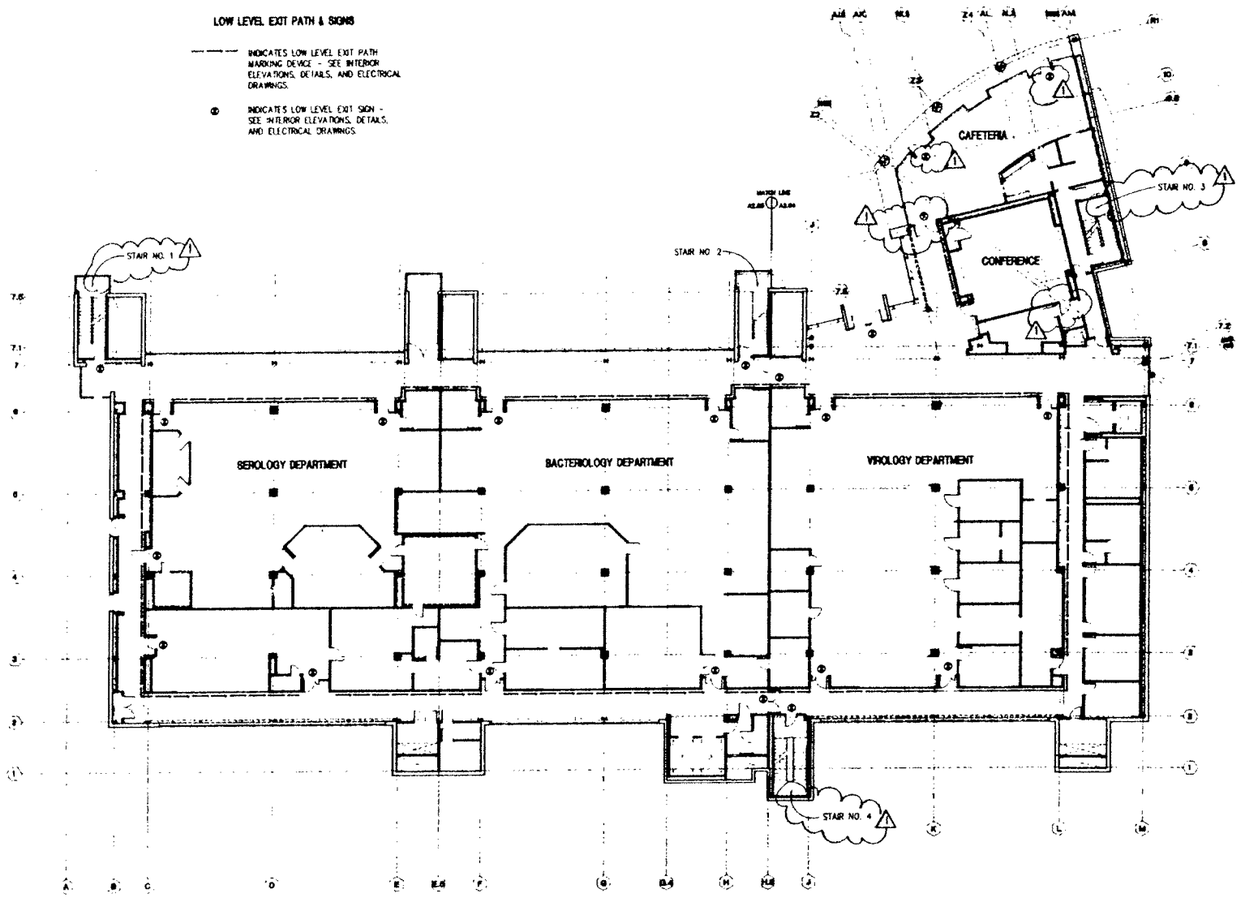

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SHEET NOTES

1. IT IS THE PURPOSE OF THIS DRAWING TO DIAGRAMMATICALLY ILLUSTRATE THE LOCATION AND EXTENT OF THE LOW LEVEL EXIT PATH MARKING AND LOW LEVEL EXIT SIGNS REQUIRED BY SECTION 3314(E) AND 3314(F) OF THE 1990 LOS ANGELES BUILDING CODE. OTHER CODE-REQUIRED AND/OR PROVIDED EXIT SIGNS TO BE MOUNTED ON UPPER WALLS OR CEILINGS ARE NOT SHOWN HERE.
2. PROVIDE LOW LEVEL EXIT PATH MARKING AND LOW LEVEL EXIT SIGNS WHICH CONFORM WITH A SPECIFIC, CURRENT LOS ANGELES RESEARCH REPORT OR ARE U.L. LISTED.
3. SEE ARCHITECTURAL INTERIOR ELEVATIONS FOR ADDITIONAL DETAILED INFORMATION REGARDING THE EXTENT AND LOCATION OF LOW LEVEL EXIT DEVICES.
4. SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR INFORMATION REGARDING ADDITIONAL EXIT SIGNS TO BE MOUNTED ON UPPER WALLS AND/OR CEILINGS.
5. FOR ADDITIONAL NOTES WHICH MAY BE APPLICABLE TO THIS SHEET, REFER TO THE "GENERAL NOTES" SHOWN ON SHEET A0.01

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Laboratory Electrical Engineer

Revisions

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Regional Reference Laboratory
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Kaiser Permanente Medical Care Program
Southern California Region

KEY PLAN
LAB LEVEL ONE
LOW LEVEL EXIT
SCALE: 1/16 INCH EQUALS 1 FOOT

Project No.		Drawing No.
19210.01	B 1 BULLETIN	A1.08
Date 16 MAY 1991		

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PROJECT NO. 19210.01

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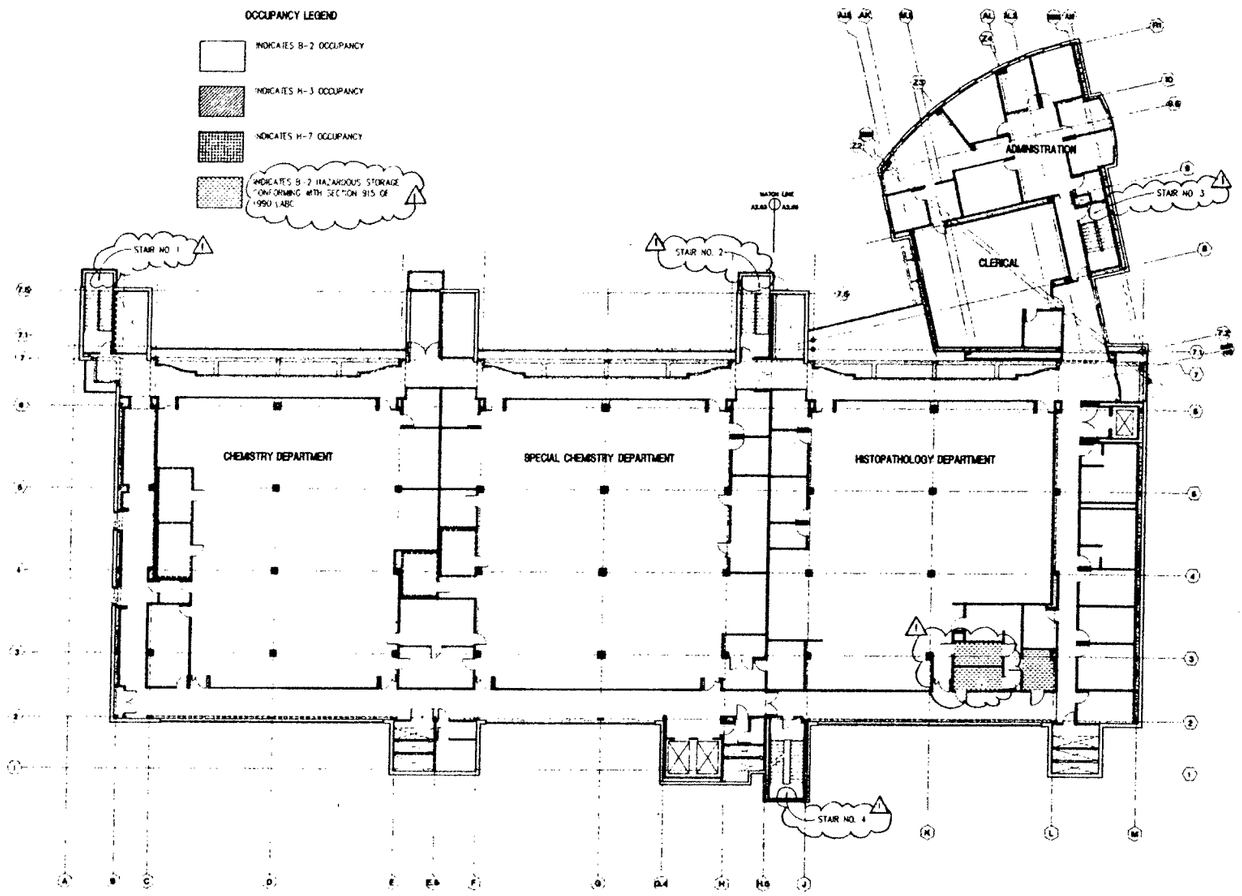

SHEET NOTES

1. IT IS THE PURPOSE OF THIS DRAWING TO ILLUSTRATE THE EXTENT OF THE VARIOUS OCCUPANCY CLASSIFICATIONS CONTAINED WITHIN THE BUILDING. FOR DETAILED INFORMATION REGARDING THE WORK OF THIS PROJECT, REFER FIRST TO THE A2 SERIES FLOOR PLANS.
2. REFER TO THE LEGEND SHOWN ON THIS SHEET TO DETERMINE THE GRAPHIC SYMBOL USED TO INDICATE EACH OCCUPANCY GROUP WHICH OCCURS ON THIS PROJECT. WHERE NO GRAPHIC SYMBOL OCCURS ON THE KEY PLAN, THE OCCUPANCY GROUP IS B-2.
3. FIRE-RATINGS FOR OCCUPANCY SEPARATIONS SHALL CONFORM WITH TABLE NO. 5-B OF THE 1990 UBC AND BE AS FOLLOWS:

   BETWEEN A-3 AND B-2: ONE HOUR.

   BETWEEN B-2 AND H-7: ONE HOUR.

   BETWEEN B-2 AND B-2 HAZARD. STORAGE: ONE HOUR

   H-3 OCCUPANCY IS LOCATED IN SEPARATE BUILDING.

   FOR ADDITIONAL INFORMATION REGARDING THE FIRE-RATING AND CONSTRUCTION OF THE OCCUPANCY SEPARATION WALLS, SEE INDICATED PARTITION TYPES SHOWN ON THE A2 SERIES DRAWINGS.

   NOTE: PARTITION TYPES AND NOTES SHOWN ON THE A2 SERIES DRAWINGS MAY REQUIRE GREATER FIRE-RATINGS THAN INDICATED ABOVE.
4. FOR ADDITIONAL NOTES WHICH MAY BE APPLICABLE TO THIS SHEET, REFER TO THE "GENERAL NOTES" SHOWN ON SHEET A0.01

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Kaiser Permanente Medical Care Program
Southern California Region

KEY PLAN
LAB LEVEL TWO
OCCUPANCY GROUPS

SCALE: 1/16 INCH EQUALS 1 FOOT

Project No.		Drawing No.
19210.01	B 1 BULLETIN	A1.09
Date 15 MAY 1991		

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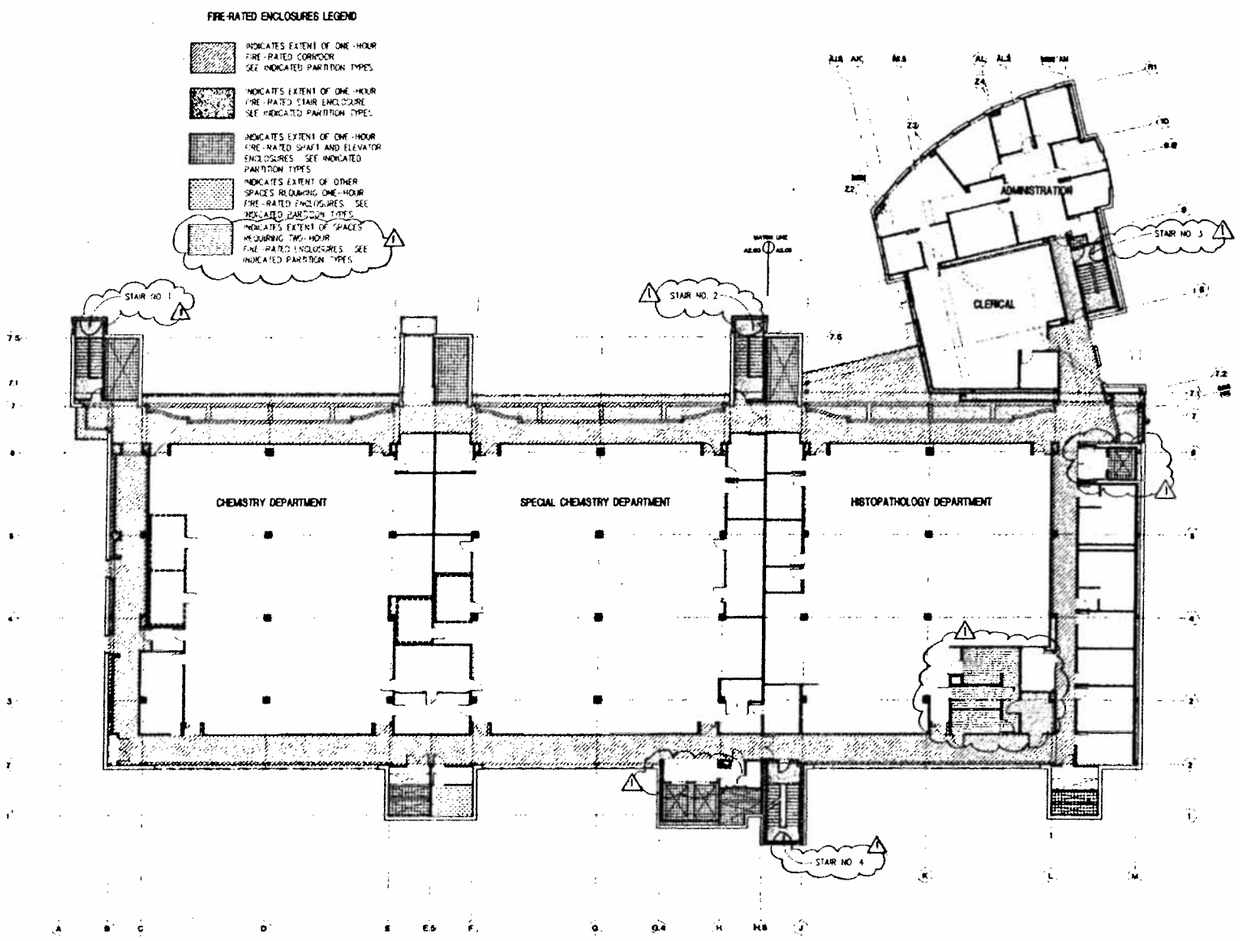

SHEET NOTES

1. IT IS THE PURPOSE OF THIS DRAWING TO DIAGRAMMATICALLY ILLUSTRATE THE GENERAL EXTENT AND LOCATIONS OF AREAS, SUCH AS CORRIDORS OR SHAFTS, WHICH REQUIRE FIRE-RATED ENCLOSURES. FOR MORE DETAILED INFORMATION REGARDING THE WORK OF THIS PROJECT, REFER FIRST TO THE A2 SERIES FLOOR PLANS.
2. REFER TO THE LEGEND SHOWN ON THIS SHEET TO DETERMINE THE GRAPHIC SYMBOL USED TO INDICATE EACH ENCLOSURE GROUP AND ITS CORRESPONDING FIRE-RATING WHICH OCCURS ON THIS PROJECT. WHERE NO GRAPHIC SYMBOL OCCURS ON THE KEY PLAN, NO FIRE-RATED ENCLOSURE IS REQUIRED.
3. FOR INFORMATION REGARDING THE FIRE-RATING AND CONSTRUCTION OF THE FIRE-RATED ENCLOSURE WALLS, SEE INDICATED PARTITION TYPES SHOWN ON THE A2 SERIES DRAWINGS.
4. FIRE-RATED DUCT ENCLOSURES ARE REQUIRED ON THIS PROJECT. REFER TO THE A3 REFLECTED CEILING PLANS, THE A6 PARTIAL BUILDING SECTIONS AND THE A8 INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION REGARDING DUCT ENCLOSURES.
5. FOR ADDITIONAL NOTES WHICH MAY BE APPLICABLE TO THIS SHEET, REFER TO THE "GENERAL NOTES" SHOWN ON SHEET A0.01.

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Southern California Region

KEY PLAN
LAB LEVEL TWO
FIRE RATINGS

SCALE 1/16 INCH EQUALS 1 FOOT

Project No.		Drawing No.
19210.01	B1 BULLETIN	A1.10
Date 15 MAY 1991		

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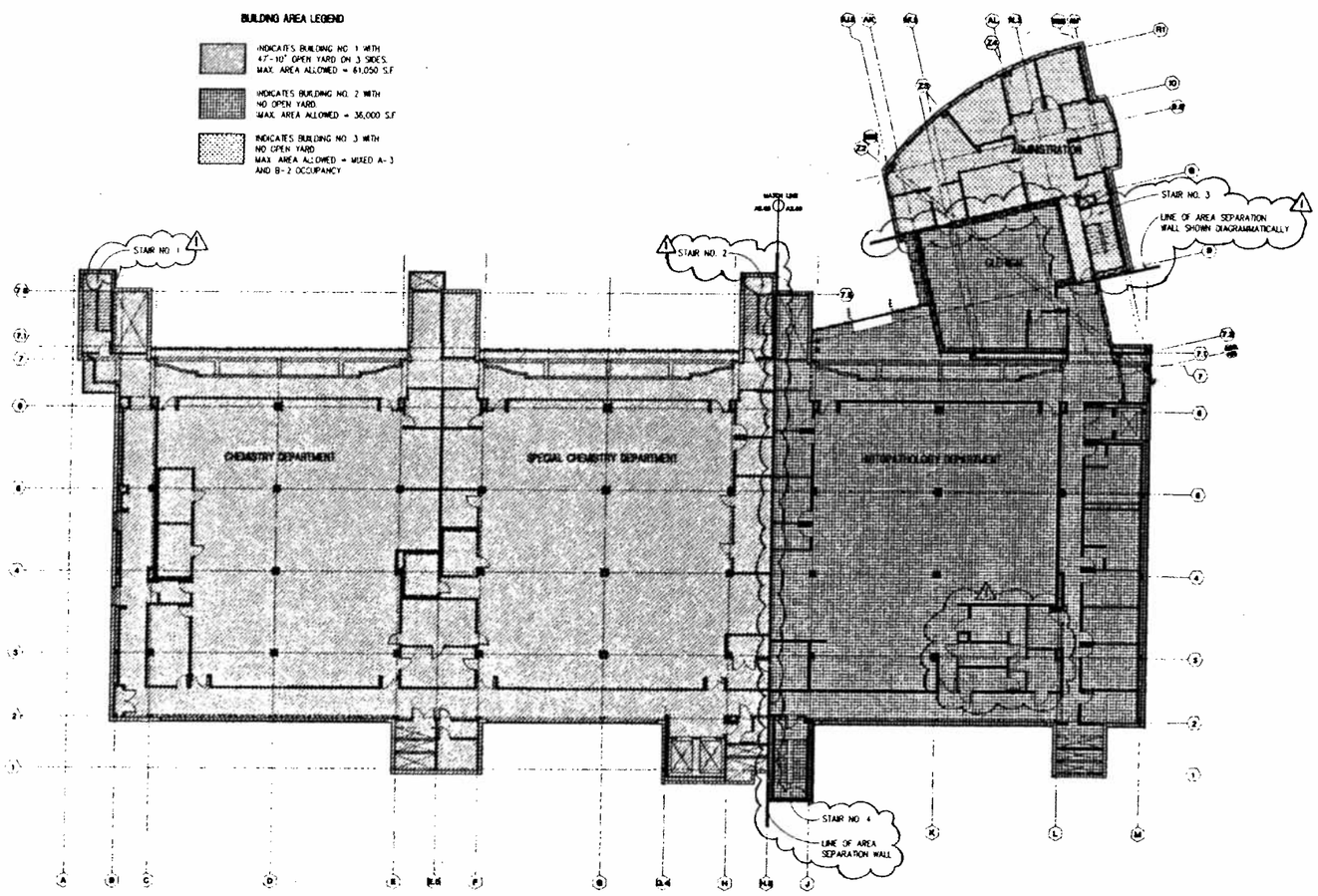

SHEET NOTES

1. IT IS THE PURPOSE OF THIS DRAWING TO ILLUSTRATE THE VARIOUS AREAS OF THE BUILDING WHICH ARE SEPARATED BY TWO-HOUR FIRE-RATED AREA SEPARATION WALLS. FOR INFORMATION REGARDING THE CONSTRUCTION OF THE AREA SEPARATION WALLS, SEE INDICATED PARTITION TYPES SHOWN ON THE A2 SERIES DRAWINGS.
2. TOTAL BUILDING AREA IS 98,351 SQUARE FEET PER SECTION 407 OF THE 1990 LOS ANGELES BUILDING CODE PER SECTION 505(E). FOR PURPOSES OF DETERMINING ALLOWABLE FLOOR AREA, EACH PORTION OF A BUILDING SEPARATED BY ONE OR MORE AREA SEPARATION WALLS MAY BE CONSIDERED A SEPARATE BUILDING. AS SHOWN, THE PROJECT MAY BE CONSIDERED AS FOLLOWS:

WESTERN PORTION	58,347 SQ. FT. ON 3 FLOORS
EASTERN PORTION	35,321 SQ. FT. ON 3 FLOORS
ADMIN. BLOCK	4,683 SQ. FT. ON 2 FLOORS

SEE KEY PLAN ON THIS SHEET FOR ADDITIONAL INFORMATION.

3. PER TABLE 5-C AND SECTION 505(B) OF THE 1990 LABC, THE FOLLOWING MAXIMUM ALLOWABLE FLOOR AREAS APPLY:

TYPE 2 - 1 HOUR CONSTRUCTION

	SINGLE FLOOR	MULTI-STORY
A-3 OCCUPANCY	13,500 SQ. FT.	27,000 SQ. FT.
B-2 OCCUPANCY	18,000 SQ. FT.	36,000 SQ. FT.
H-7 OCCUPANCY	18,000 SQ. FT.	36,000 SQ. FT.

4. ALLOWABLE AREA OF WESTERN PORTION MAY BE INCREASED PER SECTION 506(A)2 OF 1990 LABC FOR SEPARATION ON THREE SIDES. WIDTH OF OPEN YARD IS DETERMINED BY MINIMUM DISTANCE BETWEEN UTILITY TOWERS NO. 4 AND NO. 5 ON SOUTH SIDE OF BUILDING. 47'-10" OPEN YARD RESULTS IN THE FOLLOWING INCREASED AREAS: [(47.833' LESS 20') TIMES 2.5 PERCENT OR 69.583 PERCENT INCREASE]

	TABLE 5-C # STORIES	OPEN YARD INCREASE	MAXIMUM AREA
A-3	27,000 SQ.FT	16,700 SQ. FT	43,700 SQ. FT
B-2	36,000 SQ.FT.	25,050 SQ. FT	61,050 SQ. FT
A-3	36,000 SQ.FT.	25,050 SQ. FT	61,050 SQ. FT

5. AREA INCREASE FOR AUTOMATIC SPRINKLER SYSTEM PER SECTION 506(C) OF 1990 LABC IS NOT SOUGHT.
6. H-3 OCCUPANCY HAZARDOUS STORAGE SHED ON GROUND FLOOR LEVEL (EL. 733'-0") IS LIMITED TO A MAXIMUM ALLOWABLE FLOOR AREA OF 11,200 SQUARE FEET PER TABLE 5-C AND SECTION 505(B) OF THE 1990 LOS ANGELES BUILDING CODE.
7. LINE OF TWO HOUR FIRE RATED AREA SEPARATION WALLS IS SHOWN DIAGRAMMATICALLY. SEE A2 SERIES FLOOR PLANS FOR PARTITION TYPES AND DETAILS.

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North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

KEY PLAN
LAB LEVEL TWO
AREA SEPARATIONS

SCALE: 1/16 INCH EQUALS 1 FOOT

Project No. 19210.DT
Date 15 MAY 1991
B 1 BULLETIN
Drawing No. A1.11

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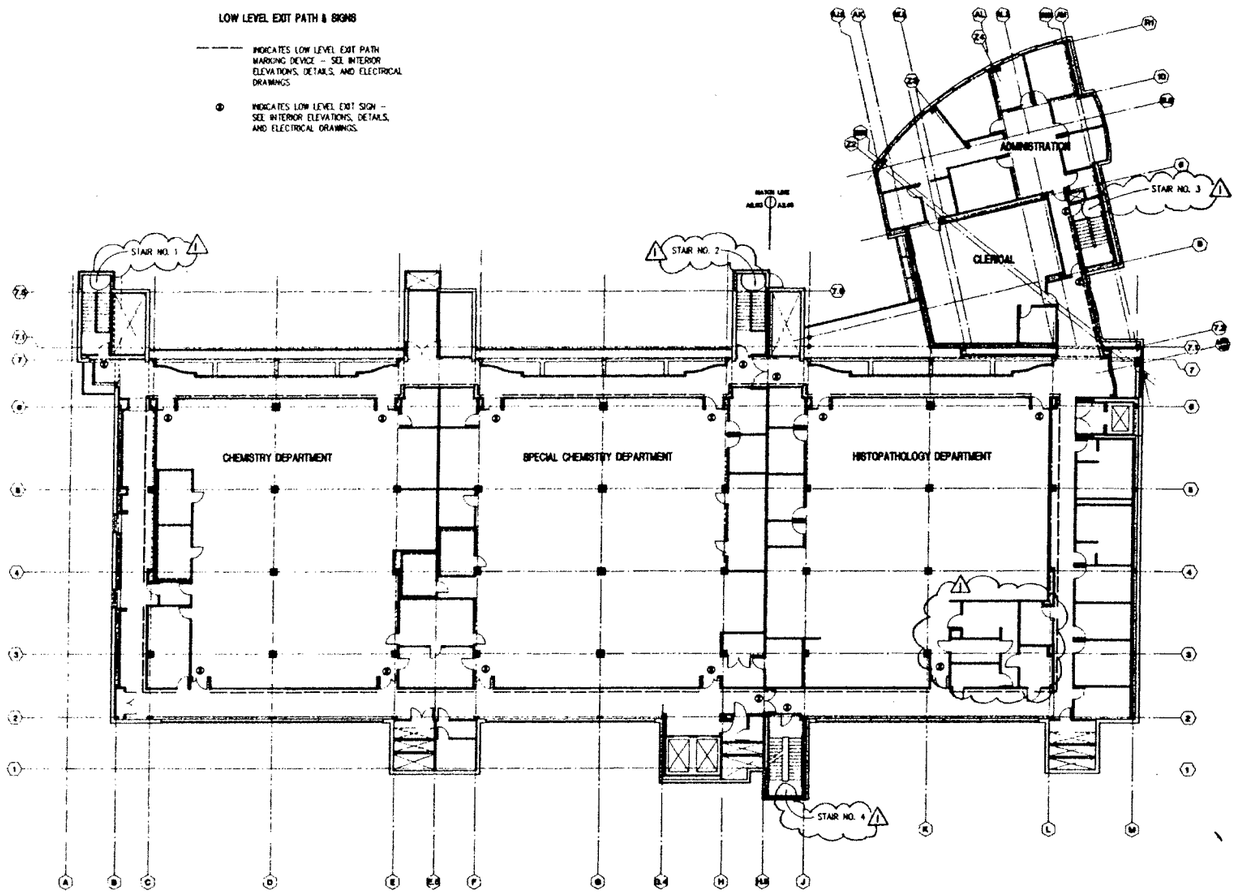
SHEET NOTES

1. IT IS THE PURPOSE OF THIS DRAWING TO DIAGRAMMATICALLY ILLUSTRATE THE LOCATION AND EXTENT OF THE LOW LEVEL EXIT PATH MARKING AND LOW LEVEL EXIT SIGNS REQUIRED BY SECTION 3314(E) AND 3314(F) OF THE 1980 LOS ANGELES BUILDING CODE. OTHER CODE-REQUIRED AND/OR PROVIDED EXIT SIGNS TO BE MOUNTED ON UPPER WALLS OR CEILINGS ARE NOT SHOWN HERE.
2. PROVIDE LOW LEVEL EXIT PATH MARKING AND LOW LEVEL EXIT SIGNS WHICH CONFORM WITH A SPECIFIC CURRENT LOS ANGELES RESEARCH REPORT OR ARE U.L. LISTED.
3. SEE ARCHITECTURAL INTERIOR ELEVATIONS FOR ADDITIONAL DETAILED INFORMATION REGARDING THE EXTENT AND LOCATION OF LOW LEVEL EXIT DEVICES.
4. SEE ARCHITECTURAL REFLECTED CEILING PLANS FOR INFORMATION REGARDING ADDITIONAL EXIT SIGNS TO BE MOUNTED ON UPPER WALLS AND/OR CEILINGS.
5. FOR ADDITIONAL NOTES WHICH MAY BE APPLICABLE TO THIS SHEET, REFER TO THE "GENERAL NOTES" SHOWN ON SHEET A0.01.

LOW LEVEL EXIT PATH & SIGNS

INDICATES LOW LEVEL EXIT PATH MARKING DEVICE – SEE INTERIOR ELEVATIONS, DETAILS, AND ELECTRICAL DRAWINGS

INDICATES LOW LEVEL EXIT SIGN – SEE INTERIOR ELEVATIONS, DETAILS, AND ELECTRICAL DRAWINGS.



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Revisions

No.	Date

Regional Reference Laboratory
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North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

KEY PLAN
LAB LEVEL TWO
LOW LEVEL EXIT
SCALE: 1/16 INCH EQUALS 1 FOOT

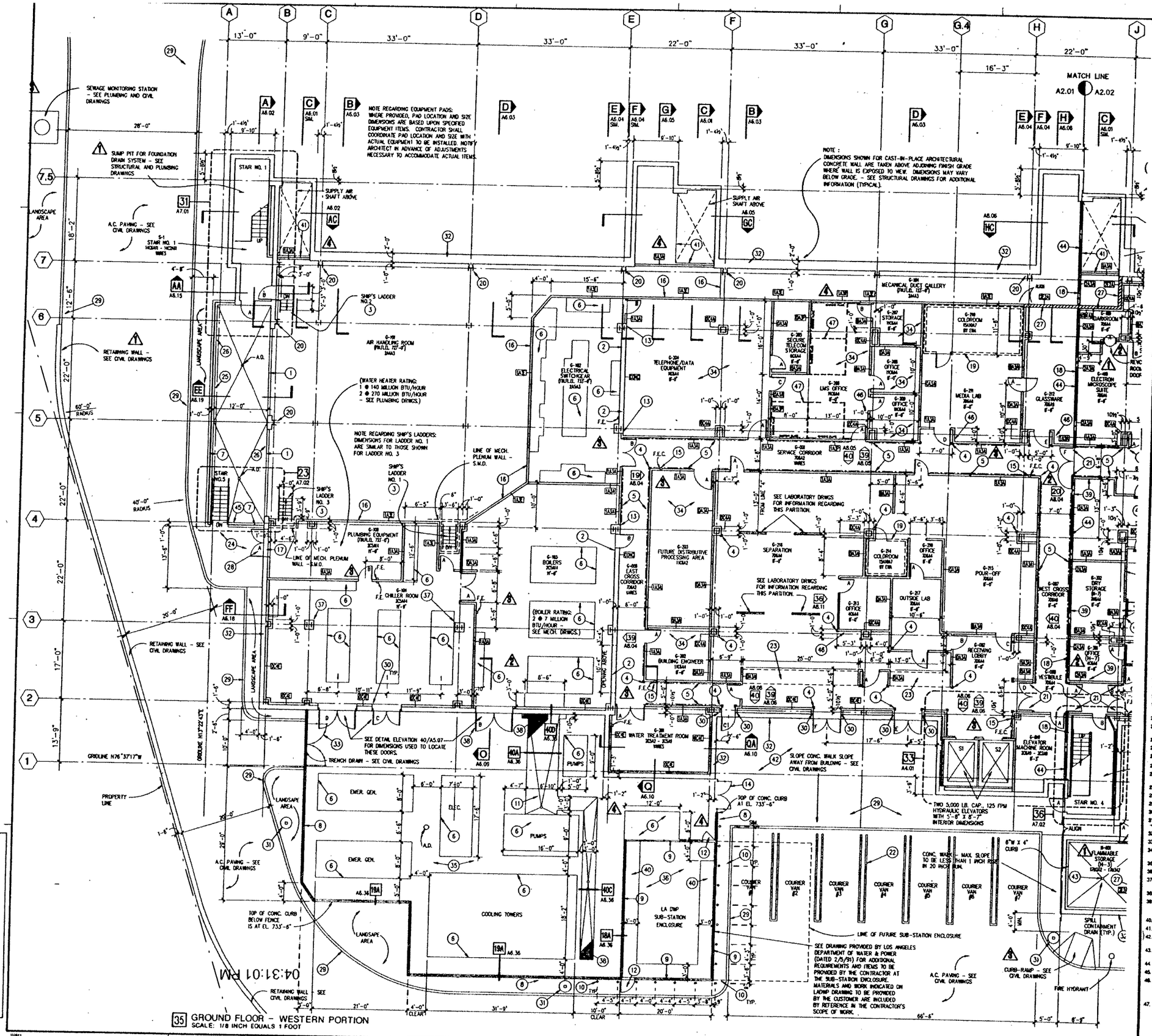
Project No. 19210.01

Date 15 MAY 1991

B 1 BULLETIN

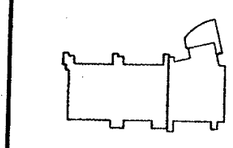
Drawing No. A1.12

000583



35 GROUND FLOOR - WESTERN PORTION
SCALE: 1/8 INCH EQUALS 1 FOOT

KEY PLAN



SHEET NOTES

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   WHERE NOT SHOWN OR DIMENSIONED ON THIS SHEET, LOCATE:
   A. AS SHOWN OR DIMENSIONED BY ARCHITECT ON MORE DETAILED FLOOR PLANS, ELEVATIONS, OR DETAILS.
   B. AS SHOWN OR DIMENSIONED ON THE LABORATORY DRAWINGS.
   C. IF NOT INDICATED ON THE LABORATORY DRAWINGS, AT APPROPRIATE LOCATIONS SHOWN ON THE M/E/P DRAWINGS.
2. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS AND SPECIFICATIONS FOR THE DESIGN OF SYSTEMS SHOWN ON THIS SHEET. LOCATE DUCTS, PIPES, CONDUITS, CABLE TRAYS, ETC. ENTIRELY WITHIN THE APPROPRIATE BUILDING'S SYSTEMS AS SHOWN ON THE ARCHITECTURAL PLANS, SECTIONS, AND DETAILS.
3. FOR ADDITIONAL INFORMATION REGARDING LABORATORY FURNITURE AND EQUIPMENT, REFER TO LABORATORY DRAWINGS AND SPECIFICATIONS.
4. FOR DESCRIPTION OF APPLIED ARCHITECTURAL FINISHES OF SPACES SHOWN ON THIS SHEET, REFER TO "FINISH SCHEDULE" ON SHEET A8.18.
5. FOR ADDITIONAL TYPICAL NOTES APPLICABLE TO THIS SHEET, SEE "GENERAL NOTES" ON SHEET A0.01.

KEY NOTES

1. OUTSIDE AIR INTAKE LOUVER.
2. CAST-IN-PLACE CONCRETE WALL - S.S.D.
3. SHIP'S LADDER - SEE SHEET A7.04.
4. CORNER GUARD EXTENDING FROM FLOOR TO 7'-0" A.F.F. WHERE INDICATED. GUARD TO BE 4 X 4 X 1/4 GALV. STEEL ANGLE - ALL OTHER LOCATIONS, SEE SPECIFICATION SECTION 10280.
5. BUMP AND RUB RAILS - SEE INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION REGARDING EXTENT.
6. 6 INCH RAISED CONCRETE EQUIPMENT PAD - CONTRACTOR TO COORDINATE SIZE AND LOCATION WITH ACTUAL EQUIPMENT DIMENSIONS.
7. PAINTED STEEL PIPE GUARDRAIL ATOP 12" WIDE X 7" HIGH (MINIMUM) RAISED CONCRETE CURB/RETAINING WALL.
8. 6'-0" HIGH, 9-GAUGE, 2" SQUARE, DIAMOND MESH GALV. CHAIN LINK FENCE ATOP 8" WIDE RAISED CONCRETE CURB (12" WIDE BY 12" AT POST FOOTINGS) OR EQUIPMENT PAD (SEE DETAIL 18/A6.36).
9. 9'-0" HIGH, 9-GAUGE, 2" SQUARE, DIAMOND MESH GALV. CHAIN LINK FENCE ATOP 8" WIDE RAISED CONCRETE CURB (12" WIDE BY 12" AT POST FOOTINGS) OR EQUIPMENT PAD (SEE DETAIL 18/A6.36). ELECTRICALLY GROUND FENCE AS REQUIRED BY LOS ANGELES D.W.P.
10. CONCRETE FILLED, 4'-0" HIGH, 5" DIA. GALV. STEEL PIPE BOLLARD - SEE DETAIL 1 ON SHEET A5.36.
11. 6" RAISED CONC. PAD FOR ELECTRICAL SWITCHGEAR.
12. 3'-0" WIDE BY 7'-6" HIGH CHAIN LINK PERSONNEL GATE. SEE DRAWINGS PROVIDED BY L.A.D.W.P. FOR ADDITIONAL REQUIREMENTS.
13. CONCRETE CHAMFER - SEE DETAIL 26 ON SHEET A9.04.
14. 6'-6" WIDE BY 6'-6" HIGH DOUBLE LEAF CHAIN LINK GATE.
16. LIFE SAFETY CLUSTER (MANUAL FIRE ALARM PULL STATION/SEMI-RECESSED F.E.C./AUDIBLE AND VISIBLE FIRE ALARM). SEE INTERIOR ELEVATIONS.
17. EDGE OF DEPRESSED (EL. 727'-0") FLOOR LEVEL.
18. RAISED DOOR SILL - SEE SECTION FF ON SHEET A8.18.
19. TWO-HOUR FIRE-RATED AREA SEPARATION WALL.
19. ENVIRONMENTAL ROOM SET IN 4 INCH FLOOR RECESS - SEE LABORATORY DRAWINGS.
20. CONCRETE WALL ENGAGES STEEL COLUMN - S.S.D.
21. MAGNETIC HOLD-OPEN DOOR DEVICE WITH LOCAL SMOKE DETECTORS - SEE ELECTRICAL DRAWINGS.
22. PARKING LOT STRIPING - SEE CIVIL DRAWINGS.
23. ARCHITECTURAL CASEWORK - SEE INTERIOR ELEVATIONS.
24. CONCRETE STAIR LANDING AT EL. 738'-0" (NOMINAL).
25. TOP OF RETAINING WALL AT EL. 740'-7" - S.S.D.
26. AREAWAY PERIMETER AT EL. 730-11 1/2". SLOPE TO DRAIN AT 1/4 INCH PER 12 INCHES MINIMUM.
27. CONCRETE MASONRY UNIT (CMU) PARTITION.
28. EQUIPMENT AND FIRE DEPARTMENT ACCESS DOOR.
28. CONCRETE DRIVEWAY CURB - SEE CIVIL DRAWINGS.
30. SEE DETAIL 17 ON SHEET A9.05.
31. SITE LIGHTING STANDARD AND CONC. FOUNDATION - SEE CIVIL AND ELECTRICAL DRWGS.
32. CAST-IN-PLACE CONC. WALL WITH ARCH. CONC. FINISH.
33. 10'-0" WIDE BY 6'-0" HIGH DOUBLE LEAF CHAIN LINK GATE.
34. 10" HIGH RAISED COMPUTER ACCESS FLOOR SET IN 10" FLOOR DEPRESSION (FINISH FLOOR = EL. 737'-0").
36. CONCRETE MECH. EQUIP. YARD - SEE CIVIL DRAWINGS.
36. ELECTRICAL TRANSFORMER PAD AND RAILS.
37. 24" BY 24" CAST-IN-PLACE CONC. COLUMN COVER TO 8'-0" ABOVE FINISH FLOOR.
38. TRENCH GRATE OVER MECH. PIPES.
39. 8 INCH HIGH BY 4 INCH WIDE CONC. SPILL CONTAINMENT CURB HIDDEN BELOW PARTITIONS INDICATED (AT CMU PARTITIONS, CURB WIDTH TO MATCH CMU WIDTH).
40. GRAVEL - SEE DRAWINGS PROVIDED BY L.A.D.W.P.
41. 4 INCH RECESS AT FLOOR BELOW SHAFTS.
42. CONCRETE SIDEWALK - SEE CIVIL AND/OR LANDSCAPE DRAWINGS AS APPLICABLE.
43. SPILL CONTAINMENT DRAIN - SLOPE FLOOR WITHIN ROOM TO DRAIN AT SLOPE OF 1/8 INCH PER 12 INCHES MINIMUM.
44. CENTER INDICATED PARTITION ON GRID LINE.
45. TOP OF RETAINING WALL AT EL. 736'-7" (SEE 24/A7.03).
46. TIME CLOCK (E.F.C.I.) AND THREE (3) CARD TIME-CARD RACKS (E.F.C.I.). SEE INTERIOR ELEVATIONS ON SHEET A8.11 FOR TYPICAL HEIGHTS AND CONFIGURATIONS. SEE ELECTRICAL DRAWINGS FOR POWER OUTLETS.
47. STEELCASE FURNITURE SYSTEM CUBICLES (P.L.C.) SHOWN FOR REFERENCE ONLY.

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Revisions

No.		Date
1	ADDENDUM NO. 1	9-18-91
2	ADDENDUM NO. 2	9-30-91
3	BULLETIN NO. 1	11-11-91
4	BULLETIN NO. 2	1-24-92

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Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

FLOOR PLAN
GROUND LEVEL
WESTERN PORTION

Project No.		Drawing No.
19210.01	B2	A2.01
Date 16 MAY 91	BULLETIN	

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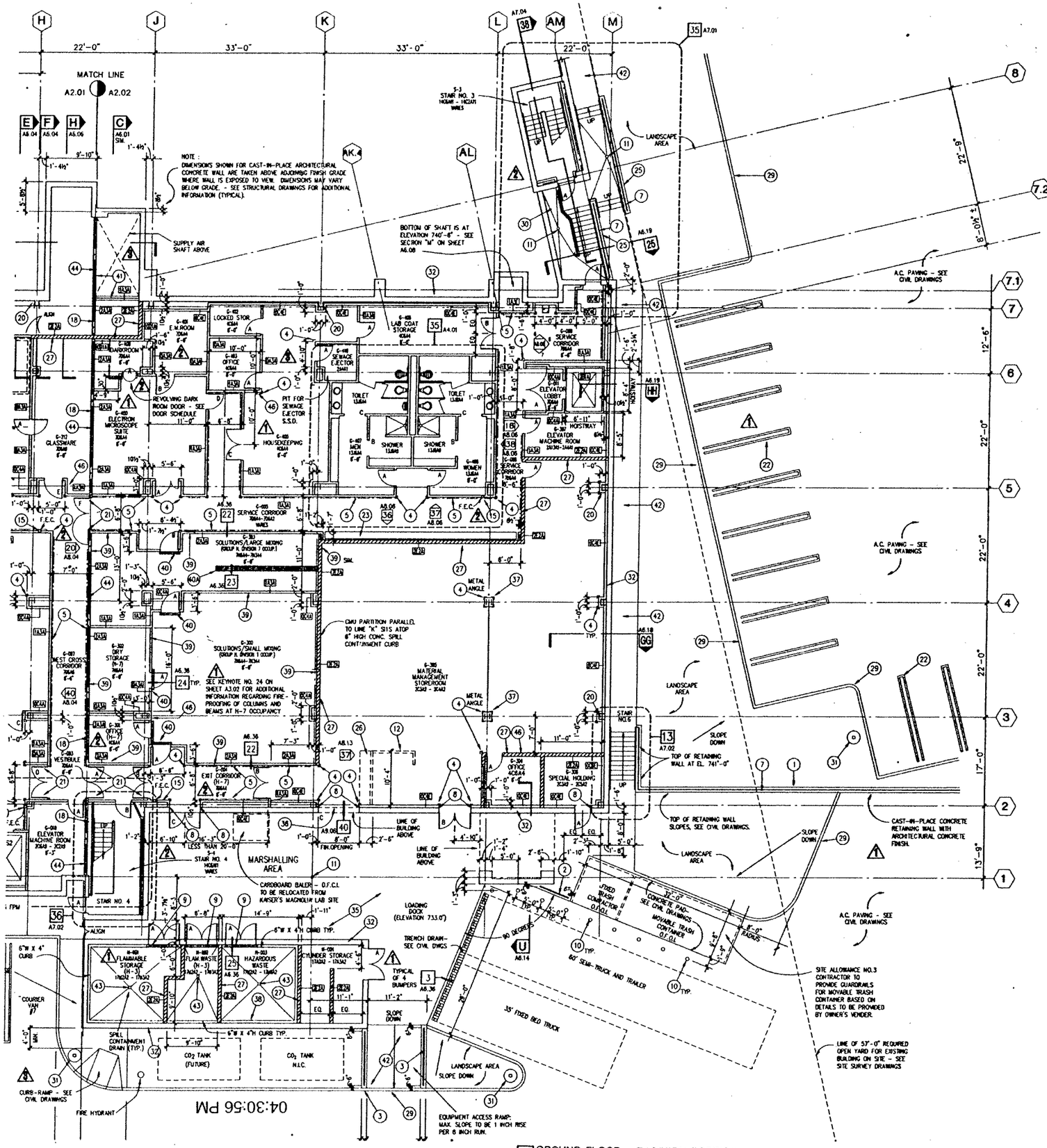


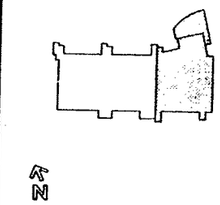
25 GROUND FLOOR - EASTERN PORTION
SCALE: 1/8 INCH EQUALS 1 FOOT

NOTE REGARDING PASSENGER ELEVATORS: FOR ADDITIONAL, SIMILAR DIMENSIONS AND DETAIL REFERENCES WHICH ARE ALSO APPLICABLE TO ELEVATOR AT GROUND FLOOR, SEE DETAIL PLAN 23 ON SHEET A4.03 (LAB LEVEL TWO). FOR ELEVATOR PIT PLAN, SEE SHEET A7.07.

NOTE REGARDING FIRE-PROOFING AT H-7 OCCUPANCY: AT ROOMS G-300, G-301, G-302, G-303, AND G-004, PROVIDE TWO-HOUR FIRE-RATED MINERAL AND FIBER BOARD OR GYPSUM BOARD ENCLOSURE AROUND ALL STRUCTURAL BEAMS AND COLUMNS. ENCLOSURE TO BE U.L. LISTED ASSEMBLY. SEE KEYNOTE NO. 24 ON SHEET A3.02 FOR ADDITIONAL INFORMATION.

NOTE REGARDING CO2 TANK: CO2 TANK (N.I.C.) TO BE PROVIDED BY OWNER'S VENDOR. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THE TANK WITH THE OWNER'S VENDOR; SHALL PROVIDE ALL NECESSARY ELEMENTS TO CONNECT THE TANK TO THE BUILDING CO2 SYSTEM; SHALL PROVIDE (BASED ON INFORMATION PROVIDED BY THE VENDOR) THE NECESSARY CONC. PAD, BASE, OR FOUNDATION; AND SHALL BE RESPONSIBLE FOR CONNECTING THE TANK AND TESTING THE CONNECTION BETWEEN THE TANK AND THE BUILDING.

KEY PLAN



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   WHERE NOT SHOWN OR DIMENSIONED ON THIS SHEET, LOCATE:

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4. FOR DESCRIPTION OF APPLIED ARCHITECTURAL FINISHES OF SPACES SHOWN ON THIS SHEET, REFER TO "FINISH SCHEDULE" ON SHEET A6.15.
5. FOR ADDITIONAL TYPICAL NOTES APPLICABLE TO THIS SHEET, SEE "GENERAL NOTES" ON SHEET A0.81.

KEY NOTES

1. TOP OF RETAINING WALL SLOPES DOWN FROM EL. 741'-0" TO EL. 738'-6" - SEE CIVIL DRAWINGS.
2. CAST-IN-PLACE CONCRETE WALL - S.S.D.
3. PAINTED STEEL PIPE GUARD RAIL ATOP 12" WIDE BY 7" HIGH CONCRETE CURB AT EDGE OF WALK. NO ELEVATION IS PROVIDED ON THIS RAIL - DETAIL 36/A6.36 SIMILAR EXCEPT FOR SLOPE.
4. CORNER GUARD EXTENDING FROM FLOOR TO 7'-0" A.F.F. WHERE INDICATED. GUARD TO BE 4 X 4 X 1/4 GALV. STEEL ANGLE. ALL OTHER LOCATIONS, SEE SPECIFICATION SECTION 10260.
5. BUMP AND RUB RAILS - SEE INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION REGARDING EXTENT.
6. NOT USED.
7. PAINTED STEEL PIPE GUARDRAIL ATOP 12" WIDE BY 7" HIGH (MINIMUM) RAISED CONCRETE CURB OR WALL.
8. SEE DETAIL 17 ON SHEET A8.05.
9. SPILL CONTAINMENT TRENCH DRAIN AT GROUP H-3 OCCUPANCY DOOR THRESHOLD - SEE DETAIL 25/A6.36.
10. CONCRETE FILLED, 6'-0" HIGH, 8" DIA. GALV. STEEL PIPE BOLLARD - SEE 2/A6.36.
11. AREA DRAIN - SEE CIVIL AND/OR PLUMBING DRAWINGS, AS APPLICABLE.
12. STEELCASE FURNITURE SYSTEM CUBICLES (N.I.C.) SHOWN FOR REFERENCE ONLY.
13. CONCRETE CHAMFER - SEE DETAIL 25 ON SHEET A9.04
14. 8'-0" WIDE BY 8'-0" HIGH DOUBLE LEAF CHAIN LINK GATE.
15. LIFE SAFETY CLUSTER (MANUAL FIRE ALARM PULL STATION/SEMI-RECESSED F.E.C./AUDIBLE AND VISIBLE FIRE ALARM). SEE INTERIOR ELEVATIONS.
16. NOT USED.
17. NOT USED.
18. TWO-HOUR FIRE-RATED AREA SEPARATION WALL.
19. NOT USED.
20. CONCRETE WALL ENGAGES STEEL COLUMN - S.S.D.
21. MAGNETIC HOLD-OPEN DOOR DEVICE WITH LOCAL SMOKE DETECTORS - SEE ELECTRICAL DRAWINGS.
22. PARKING LOT STRIPING - SEE CIVIL DRAWINGS.
23. 72 TYPE A METAL LOCKERS (12"W X 18"D X DOUBLE TIER).
24. NOT USED.
25. TOP OF RETAINING WALL AT EL. 740'-7" - SEE 30/A7.04.
26. ARCHITECTURAL CASEWORK - SEE INTERIOR ELEVATIONS.
27. CONCRETE MASONRY UNIT (CMU) PARTITION.
28. NOT USED.
29. CONCRETE DRIVEWAY CURB - SEE CIVIL DRAWINGS.
30. AREAWAY PERIMETER AT EL. 732'-11 1/2". SLOPE TO DRAIN AT 1/4 INCH PER 12 INCHES. MINIMUM SLOPE.
31. SITE LIGHTING STANDARD AND CONC. FOUNDATION - SEE CIVIL AND ELEC. DRWGS.
32. CAST-IN-PLACE CONC. WALL WITH ARCH. CONC. FINISH.
33. NOT USED.
34. NOT USED.
35. MARSHALLING YARD - SEE CIVIL DRAWINGS.
36. ROLL-UP DOOR -TYPE B.
37. 24" BY 24" CAST-IN-PLACE CONC. COLUMN COVER TO 8'-0" ABOVE FINISH FLOOR WITH GALV. STEEL CORNER GUARDS EXTENDING TO 7'-0" A.F.F.
38. 6"W HIGH BY 4" WIDE EXPOSED CONC. SPILL CONTAINMENT CURB AS SHOWN AROUND PERIMETER OF ROOM.
39. 8 INCH HIGH BY 4 INCH WIDE CONC. SPILL CONTAINMENT CURB HIDDEN BELOW PARTITIONS INDICATED (AT CMU PARTITIONS, CURB WIDTH TO MATCH CMU WIDTH). FOR TYPICAL DETAIL, SEE 22/A6.36.
40. SPILL CONTAINMENT TRENCH AT DOOR THRESHOLDS SHOWN AT H-7 OCCUPANCY SOLUTIONS DEPARTMENT. FOR DETAIL, SEE 24/A6.36. WHERE POSSIBLE, EXTEND TRENCH 6 INCHES BEYOND DOOR FRAME EACH SIDE OF DOOR.

40A. 12 INCH WIDE SPILL CONTAINMENT TRENCH DRAIN AT SOLUTIONS MIXING ROOM - FOR DETAIL, SEE 23/A6.36.

41. 4 INCH RECESS AT FLOOR BELOW SHAFTS.
42. CONCRETE SIDEWALK - SEE CIVIL AND/OR LANDSCAPE DRAWINGS AS APPLICABLE.
43. SPILL CONTAINMENT DRAIN - SLOPE FLOOR WITHIN ROOM TO DRAIN AT SLOPE OF 1/8 INCH PER 12 INCHES MINIMUM.
44. CENTER INDICATED PARTITION ON GRID LINE.
45. NOT USED.
46. TIME CLOCK (O.F.C.I.) AND THREE 25 CARD TIME-CARD RACKS (O.F.C.I.). SEE INTERIOR ELEVATIONS ON SHEET A8.11 FOR TYPICAL HEIGHTS AND CONFIGURATIONS. SEE ELECTRICAL DRAWINGS FOR POWER OUTLETS.

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Revisions

No.		Date
1	ADDENDUM NO. 1	8-16-91
2	BULLETIN NO.1	11-11-91
3	BULLETIN NO. 2	1-24-92

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North Hollywood - Los Angeles California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

FLOOR PLAN
GROUND LEVEL
EASTERN PORTION

Project No. 18210

Date 15 MAY 91

B2 BULLETIN

Drawing No. A2.02

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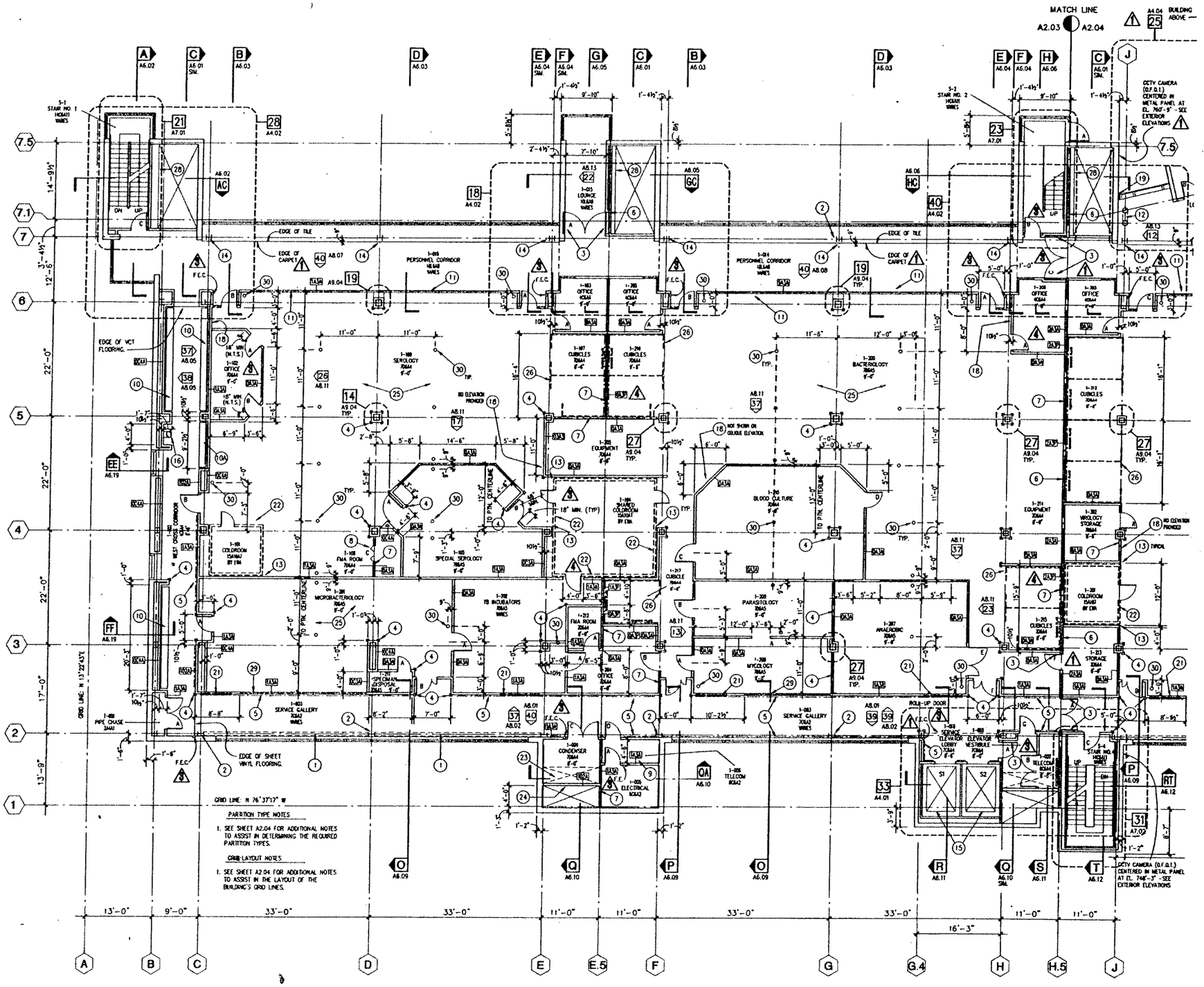

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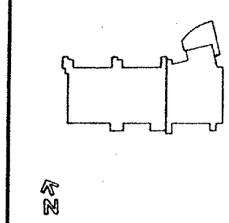
35 LAB LEVEL ONE - WESTERN PORTION
SCALE: 1/8 INCH EQUALS 1 FOOT

KEY PLAN



SHEET NOTES

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   WHERE NOT SHOWN OR DIMENSIONED ON THIS SHEET, LOCATE:

   A. AS SHOWN OR DIMENSIONED BY ARCHITECT ON MORE DETAILED FLOOR PLANS, ELEVATIONS, OR DETAILS.
   B. AS SHOWN OR DIMENSIONED ON THE LABORATORY DRAWINGS.
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2. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS AND SPECIFICATIONS FOR THE DESIGN OF SYSTEMS SHOWN ON THIS SHEET. LOCATE DUCTS, PIPES, CONDUITS, CABLE TRAYS, ETC. ENTIRELY WITHIN THE APPROPRIATE BUILDINGS SYSTEMS AS SHOWN ON THE ARCHITECTURAL PLANS, SECTIONS, AND DETAILS.
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4. FOR DESCRIPTION OF APPLIED ARCHITECTURAL FINISHES OF SPACES SHOWN ON THIS SHEET, REFER TO "FINISH SCHEDULE" ON SHEET A6.16.
5. FOR ADDITIONAL TYPICAL NOTES APPLICABLE TO THIS SHEET, SEE "GENERAL NOTES" ON SHEET A0.01.

KEY NOTES

1. PAINTED STRUCTURAL STEEL SEISMIC BRACE EXPOSED TO VIEW. CLEAN AND DRESS ALL WELDS AND CONNECTIONS.
2. PAINTED EXPOSED STRUCTURAL STEEL COLUMN.
3. MAGNETIC HOLD-OPEN DOOR DEVICE WITH LOCAL SMOKE DETECTORS - SEE ELECTRICAL DRAWINGS.
4. CORNER GUARD EXTENDING FROM FLOOR TO 7'-0" A.F.F.
5. BUMP AND RUB RAILS AT 18" AND 34" A.F.F. - SEE INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION REGARDING EXTENT.
6. TWO-HOUR FIRE-RATED AREA SEPARATION WALL EXTENDING FROM FIRE-RATED FLOOR ASSEMBLY BELOW TO FIRE-RATED FLOOR ASSEMBLY ABOVE - SEE INDICATED PARTITION TYPE.
7. CENTER INDICATED PARTITION ON GRID LINE.
8. FOLDING DOOR - SEE DOOR SCHEDULE - FOR LIGHT CONTROL/REDUCTION USE AT FLUORESCENCE MICROSCOPY ROOM.
9. 4 FOOT HIGH BY 8 FOOT WIDE BY 3/4 INCH FIRE-TREATED PLYWOOD TELECOM PATCH-BOARD MOUNTED ON PARTITION AT 5'-0" TO CENTER.
10. 40 TYPE A METAL LOCKERS (12"W X 18"D X DOUBLE TIER). CONTRACTOR TO VERIFY OVERALL LOCKER DIMENSIONS PRIOR TO COMMENCING PARTITION LAYOUT AND CONSTRUCTION.

10A. 18 TYPE A METAL LOCKERS (12"W X 18"D X DOUBLE TIER). CONTRACTOR TO VERIFY OVERALL LOCKER DIMENSIONS PRIOR TO COMMENCING PARTITION LAYOUT AND CONSTRUCTION.

11. INTERIOR WINDOWS WITH PAINTED HOLLOW METAL FRAMES - SEE INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION REGARDING SIZE, GLAZING TYPE, AND ALTERNATE GLAZING TYPE.
12. PAIR OF PAINTED STRUCTURAL STEEL PIPE COLUMNS - SEE STRUCTURAL DRAWINGS. FOR APPLIED ARCHITECTURAL FEATURES, SEE INDICATED INTERIOR ELEVATION.
13. CLOSE GAP BETWEEN EDGE OF GYPSUM DRYWALL PARTITION AND ENVIRONMENTAL ROOM - SEE LABORATORY DRAWINGS FOR ADDITIONAL INFORMATION.
14. ARCHITECTURAL PAINTED STEEL PLATE CLOSURE DETAIL BETWEEN COLUMN FLANGES AND WEB. SEE A6 SERIES PARTIAL BUILDING SECTIONS FOR INTERIOR ELEVATION OF THIS FEATURE.

16. SERVICE ELEVATORS - TWO 4000 LB. LARGE PLATFORM, 125 FPM ELEVATORS.
18. DRINKING FOUNTAIN - SEE PLUMBING DRAWINGS.
17. STRUCTURAL STEEL SEISMIC BRACE LOCATED WITHIN WALL CAVITY.

18. TIME CLOCK (O.F.C.I.) AND THREE 25 CARD TIME CARD RACKS (O.F.C.I.). SEE INTERIOR ELEVATIONS ON SHEET A8.11 FOR TYPICAL HEIGHTS AND CONFIGURATIONS.

19. SEISMIC JOINT - VERTICAL.
20. JANITOR SINK, MOP RACK, AND ADJUSTABLE SHELVING.
21. ELECTRICAL PANEL - SEE ELECTRICAL DRAWINGS AND INTERIOR ELEVATIONS.
22. ENVIRONMENTAL ROOM - SEE LABORATORY DRAWINGS FOR ADDITIONAL INFORMATION.
23. SHAFT ABOVE SHOWN DASHED.
24. ONE-HOUR FIRE-RATED SHAFT SEPARATOR WALL EXTENDING TO ROOF LINE ABOVE - SEE INDICATED PARTITION TYPE.
25. FOR ADDITIONAL INFORMATION REGARDING LABORATORY FURNITURE, LABORATORY ELECTRICAL SYSTEMS, AND LABORATORY PLUMBING SYSTEMS, SEE LABORATORY DRAWINGS.
26. STEELCASE FURNITURE SYSTEM CUBICLES (N.I.C.) SHOWN FOR REFERENCE ONLY.
27. ARCHITECTURAL CASEWORK - SEE INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION.
28. EDGE OF STRUCTURE - SEE INDICATED DETAILS (WHERE APPLICABLE) AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
29. INTERIOR WIRE-GLASS WINDOWS WITH PAINTED HOLLOW METAL FRAMES - SEE INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION REGARDING SIZE AND GLAZING TYPE.
30. FLOOR PENETRATION FOR LABORATORY PLUMBING. SEE LABORATORY DRAWINGS TO DETERMINE WHETHER PENETRATION IS ACTIVE OR IN-ACTIVE. IF IN-ACTIVE, SEE SHEET A8.04 FOR TEMPORARY CLOSURE DETAIL.

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Revisions

No.		Date
1	ADDENDUM NO. 1	8-15-91
2	ADDENDUM NO. 3	6-27-91
3	BULLETIN NO. 1	11-11-91
4	BULLETIN NO. 2	1-24-92

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Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

FLOOR PLAN
LAB LEVEL ONE
WESTERN PORTION

Project No		Drawing No.
19.210.01	B2	A2.03
Date 15 MAY 91	BULLETIN	

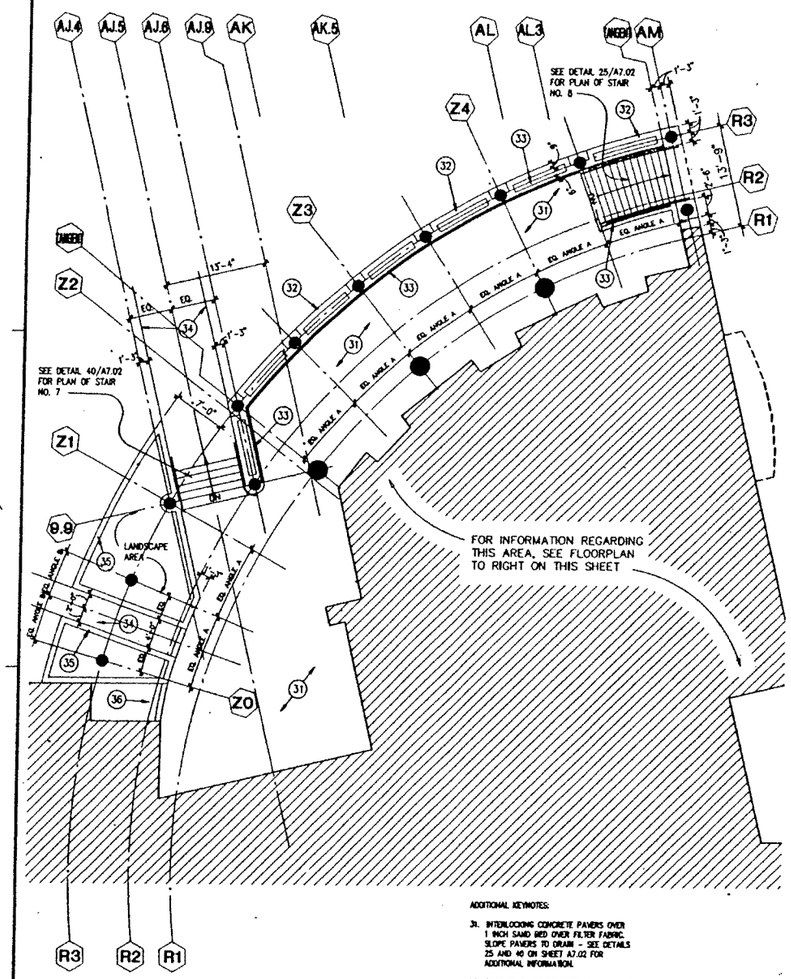
000586

GRID LAYOUT NOTES

1. LINES "2", "3", "4", "5", "6", "7", "7.1" AND "7.5" ARE PARALLEL TO LINE "1". LINES "7.2", "8", "9.8" AND "10" ARE PARALLEL TO LINE "8". LINES "A" THRU "M" ARE PERPENDICULAR TO LINE "1".
2. LINES "AK", "AL" AND "AM" PASS THRU INTERSECTION OF LINE "7.1" WITH LINES "K", "L" AND "M" RESPECTIVELY. DIMENSIONS SHOWN BETWEEN ANGLE LINES "AK", "AL", AND "AM" ARE APPROXIMATE.
3. LINE "Z2" AND ANGLE BETWEEN LINES "AM" AND "Z2" IS ESTABLISHED BY INTERSECTION OF LINE "AL9" AND LINE "R1".
4. LINE "R1" IS CURVED BETWEEN TANGENT LINES SHOWN ADJACENT TO LINES "Z2" AND "AM".
5. LINE "R3" IS CURVED WEST OF THE TANGENT LINE ADJACENT TO LINE "AM" AND SHARES ITS RADIUS POINT WITH LINE "R1".
6. LINE "9.9 IS PARALLEL TO LINE "9" AND IS ESTABLISHED BY THE INTERSECTION OF LINE "R1" AND THE TANGENT LINE ADJACENT TO LINE "Z2".
7. LINE "AJ.6" IS PARALLEL TO LINE "AM" AND IS ESTABLISHED BY THE INTERSECTION OF LINE "R3" AND THE TANGENT LINE ADJACENT TO LINE "Z2".
8. LINE "R2 IS CURVED WEST OF THE TANGENT LINE ADJACENT TO LINE "AM" AND SHARES ITS RADIUS POINT WITH LINES "R1" AND "R3". THE RADIUS OF LINE "R2" IS ESTABLISHED BY THE INTERSECTION OF LINES "9.9" AND "AJ.6".
9. ANGLE BETWEEN RADIAL LINES "Z0" AND "Z1" EQUALS ANGLE BETWEEN LINES "Z2" AND "Z3". LINE "Z1" IS ESTABLISHED BY INTERSECTION OF LINES "AJ.4", "R3", AND "9.9".

PARTITION TYPE NOTES

1. FIRST, DETERMINE WHETHER PARTITION TYPE IS INDICATED ON THIS SHEET. IF NOT INDICATED, APPLY THE FOLLOWING RULES TO DETERMINE THE REQUIRED PARTITION TYPE.
2. WHERE PROVIDED, SEE LARGER SCALE PLANS - SUCH AS A4 AND A7 SERIES DRAWINGS - TO DETERMINE REQUIRED PARTITION TYPE.
3. TO DETERMINE PARTITION TYPE AT COLUMNS WITHIN THE LABORATORY AREAS, SEE DETAIL 27/A9.04 - "COLUMN FURRING SCHEDULE"
4. WHERE PARTITION TYPE IS NOT OTHERWISE INDICATED AND NO FIRE-RATING IS INDICATED BY THE APPLICABLE A1 SERIES KEY PLAN, USE PARTITION TYPE "0A3A".
5. WHERE PARTITION TYPE IS NOT OTHERWISE INDICATED AND ONE-HOUR FIRE-RATING IS INDICATED BY THE APPLICABLE A1 SERIES KEY PLAN, USE PARTITION TYPE "1A3A".



ADDITIONAL KEYNOTES:

31. INTERLOCKING CONCRETE PAVERS OVER 1 INCH SAND BED OVER FILTER FABRIC. SLOPE PAVERS TO DRAIN - SEE DETAILS 25 AND 40 ON SHEET A7.02 FOR ADDITIONAL INFORMATION.
32. CAST-IN-PLACE CONCRETE RETAINING WALL WITH ARCHITECTURAL CONCRETE FINISH. TOP OF WALL AT EL. 746'-11 1/2". SEE EXTERIOR ARCADE DETAILS SHEET FOR ADDITIONAL INFORMATION.
33. ARCADE GUARDRAIL - SEE DETAIL 39 ON SHEET A6.35
34. CONCRETE SIDEWALK - SEE LANDSCAPE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
35. PLANTER RETAINING WALL - TOP OF WALL AT 746'-11 1/2"
36. GRASS CELL PAVING BLOCKS AT EXIT FROM STAIR NO.2. SEE LANDSCAPE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

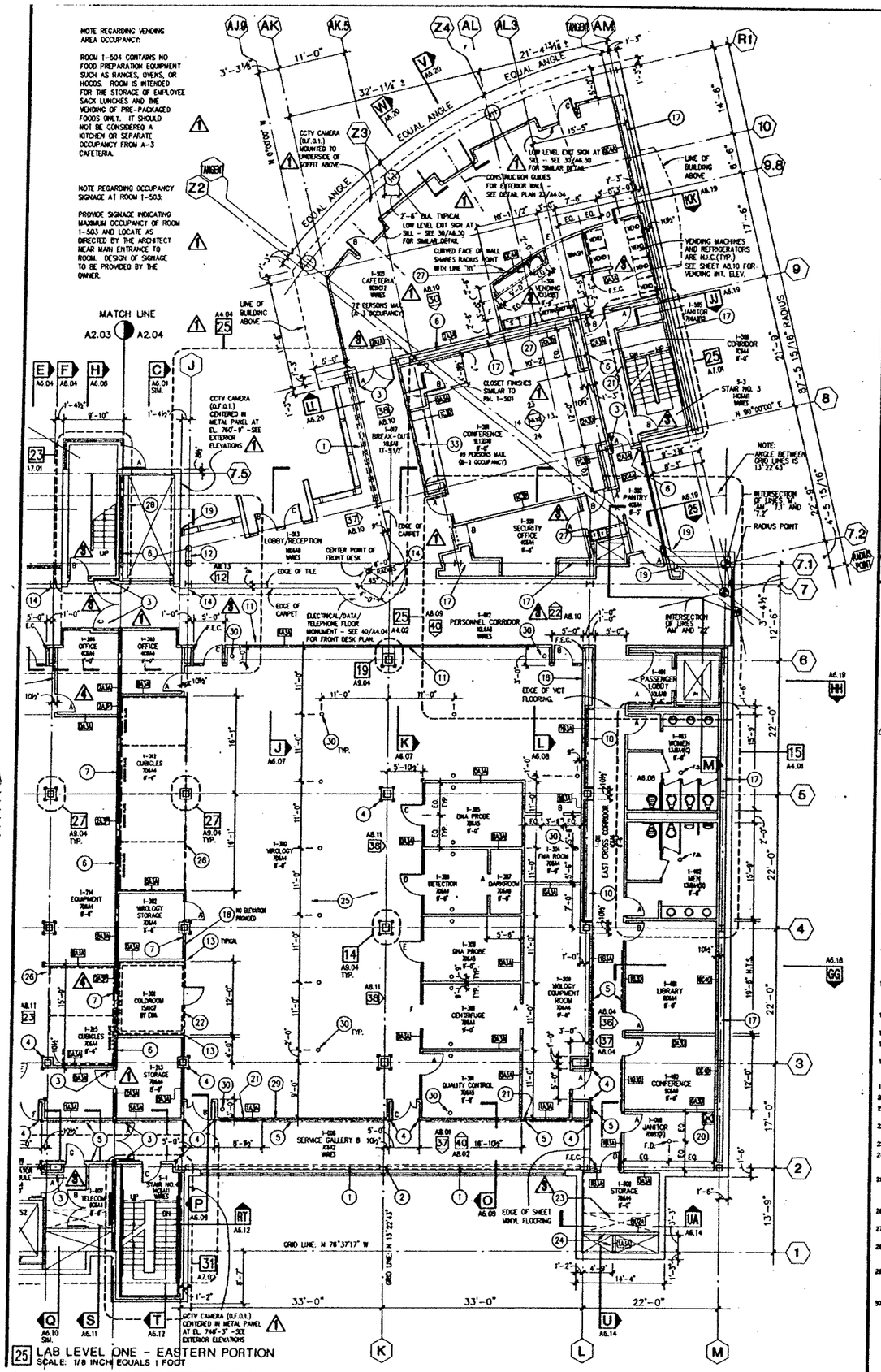
40 LAB LEVEL ONE - ENTRY PLAZA
SCALE: 1/8 INCH EQUALS 1 FOOT

NOTE REGARDING VENDING AREA OCCUPANCY:

ROOM 1-504 CONTAINS NO FOOD PREPARATION EQUIPMENT SUCH AS RANGES, OVENS, OR HOODS. ROOM IS INTENDED FOR THE STORAGE OF EMPLOYEE SACK LUNCHES AND THE VENDING OF PRE-PACKAGED FOODS ONLY. IT SHOULD NOT BE CONSIDERED A KITCHEN OR SEPARATE OCCUPANCY FROM A-3 CAFETERIA.

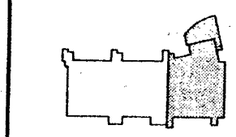
NOTE REGARDING OCCUPANCY SIGNAGE AT ROOM 1-503:

PROVIDE SIGNAGE INDICATING MAXIMUM OCCUPANCY OF ROOM 1-503 AND LOCATE AS DIRECTED BY THE ARCHITECT NEAR MAIN ENTRANCE TO ROOM. DESIGN OF SIGNAGE TO BE PROVIDED BY THE OWNER.



25 LAB LEVEL ONE - EASTERN PORTION
SCALE: 1/8 INCH EQUALS 1 FOOT

KEY PLAN



SHEET NOTES

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   WHERE NOT SHOWN OR DIMENSIONED ON THIS SHEET, LOCATE:
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   B. AS SHOWN OR DIMENSIONED ON THE LABORATORY DRAWINGS.
   C. IF NOT INDICATED ON THE LABORATORY DRAWINGS, AT APPROXIMATE LOCATIONS SHOWN ON THE M/E/P DRAWINGS.
2. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS AND SPECIFICATIONS FOR THE DESIGN OF SYSTEMS SHOWN ON THIS SHEET. LOCATE DUCTS, PIPES, CONDUITS, CABLE TRAYS, ETC. ENTIRELY WITHIN THE APPROPRIATE BUILDINGS SYSTEMS AS SHOWN ON THE ARCHITECTURAL PLANS, SECTIONS, AND DETAILS.
3. FOR ADDITIONAL INFORMATION REGARDING LABORATORY FURNITURE AND EQUIPMENT, REFER TO LABORATORY DRAWINGS AND SPECIFICATIONS.
4. FOR DESCRIPTION OF APPLIED ARCHITECTURAL FINISHES OF SPACES SHOWN ON THIS SHEET, REFER TO "FINISH SCHEDULE" ON SHEET A8.15.
5. FOR ADDITIONAL TYPICAL NOTES APPLICABLE TO THIS SHEET, SEE "GENERAL NOTES" ON SHEET A0.01.

KEY NOTES

1. PAINTED STRUCTURAL STEEL SEISMIC BRACE EXPOSED TO VIEW. CLEAN AND DRESS ALL WELDS AND CONNECTIONS.
2. PAINTED EXPOSED STRUCTURAL STEEL COLUMN.
3. MAGNETIC HOLD-OPEN DOOR DEVICE WITH LOCAL SMOKE DETECTORS - SEE ELECTRICAL DRAWINGS.
4. CORNER GUARD EXTENDING FROM FLOOR TO 7'-0" A.F.F.
5. BUMP AND RUB RAILS AT 16" AND 34" A.F.F. - SEE INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION REGARDING EXTENT.
6. TWO-HOUR FIRE-RATED AREA SEPARATION WALL EXTENDING FROM FIRE-RATED FLOOR ASSEMBLY BELOW TO FIRE-RATED FLOOR ASSEMBLY ABOVE - SEE INDICATED PARTITION TYPE.
7. CENTER INDICATED PARTITION ON GRID LINE.
8. FOLDING DOOR - SEE DOOR SCHEDULE - FOR LIGHT CONTROL/REDUCTION USE AT FLUORESCENCE MICROSCOPY ROOM.
9. 4 FOOT HIGH BY 8 FOOT WIDE BY 3/4 INCH FIRE-TREATED PLYWOOD TELECOM PATCHBOARD MOUNTED ON PARTITION AT 5'-0" TO CENTER.
10. 40 TYPE A METAL LOCKERS (12"W X 18"D X DOUBLE TIER). CONTRACTOR TO VERIFY OVERALL LOCKER DIMENSIONS PRIOR TO COMMENCING PARTITION LAYOUT AND CONSTRUCTION.
10A. 18 TYPE A METAL LOCKERS (12"W X 18"D X DOUBLE TIER). CONTRACTOR TO VERIFY OVERALL LOCKER DIMENSIONS PRIOR TO COMMENCING PARTITION LAYOUT AND CONSTRUCTION.
11. INTERIOR WINDOWS WITH PAINTED HOLLOW METAL FRAMES - SEE INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION REGARDING SIZE, GLAZING TYPE, AND ALTERNATE GLAZING TYPE.
12. PAIR OF PAINTED STRUCTURAL STEEL PIPE COLUMNS - SEE STRUCTURAL DRAWINGS. FOR APPLIED ARCHITECTURAL FEATURES, SEE INDICATED INTERIOR ELEVATION.
13. CLOSE GAP BETWEEN EDGE OF GYPSUM DRYWALL PARTITION AND ENVIRONMENTAL ROOM - SEE LABORATORY DRAWINGS FOR ADDITIONAL INFORMATION.
14. ARCHITECTURAL PAINTED STEEL PLATE CLOSURE DETAIL BETWEEN COLUMN FLANGES AND WEB. SEE A6 SERIES PARTIAL BUILDING SECTIONS FOR INTERIOR ELEVATION OF THIS FEATURE.
15. SERVICE ELEVATORS - TWO 5000 LB., LARGE PLATFORM, 125 FPM ELEVATORS.
16. DRINKING FOUNTAIN - SEE PLUMBING DRAWINGS.
17. STRUCTURAL STEEL SEISMIC BRACE LOCATED WITHIN WALL CAVITY.
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2	ADDENDUM NO. 3	8-27-91
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4	BULLETIN NO. 2	1-24-92

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FLOOR PLAN
LAB LEVEL ONE
EASTERN PORTION

Project No. 1920.01 | B2 | Drawing No. A2.04

Date 15 MAY 91 | BULLETIN

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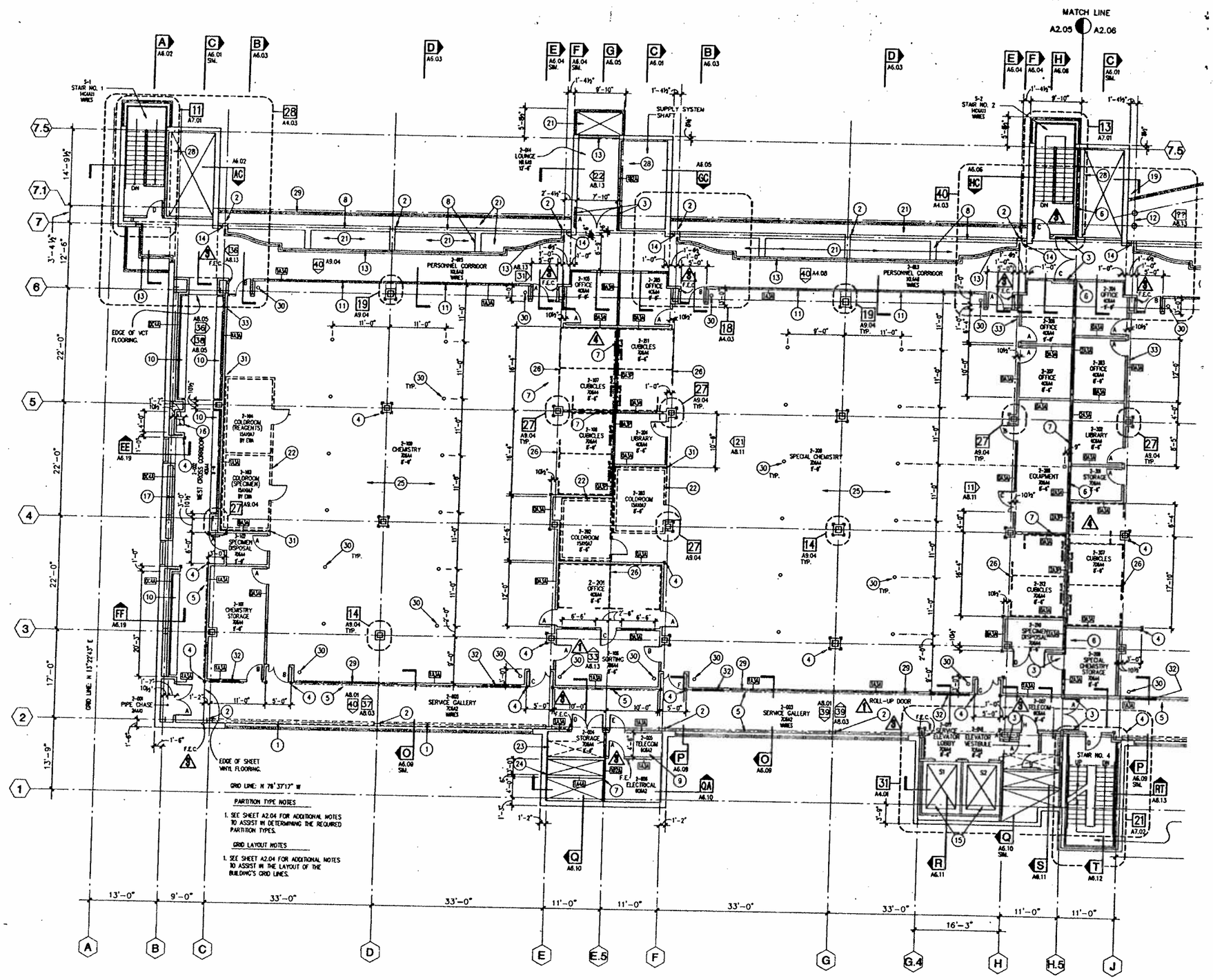

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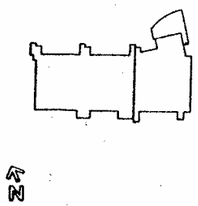
35 LAB LEVEL TWO - WESTERN PORTION
SCALE: 1/8 INCH EQUALS 1 FOOT

31. CLOSE GAP BETWEEN EDGE OF GYPSUM DRYWALL PARTITION AND ENVIRONMENTAL ROOM - SEE LABORATORY DRAWINGS FOR ADDITIONAL INFORMATION.
32. ELECTRICAL PANEL - SEE ELECTRICAL DRAWINGS AND INTERIOR ELEVATIONS.
33. TIME CLOCK (G.F.C.I.) AND THREE 25 CARD TIME-CARD RACKS (O.F.C.I.) SEE INTERIOR ELEVATIONS ON SHEET A8.11 FOR TYPICAL HEIGHTS AND CONFIGURATIONS.
34. SOLVENT STORAGE ROOM (RM. 2-305) - (A) SPILL CONTAINMENT TRENCH DRAIN (SEE DA/A6.09) AT DOOR THRESHOLDS AND (B) ALL PERIMETER PARTITIONS SET ATOP 8 INCH HIGH BY 4 INCH WIDE CONCRETE CURBS.
35. COMPOSITE METAL PANELS (TYPE 2 FOR INTERIOR USE, COLOR NO. 1) OVER 6 INCH BY 18 GAUGE (MIN.) METAL STUDS. SEE INTERIOR ELEVATIONS ON SHEET A8.10.

KEY PLAN



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KEY NOTES

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2. PAINTED, EXPOSED STRUCTURAL STEEL COLUMN.
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4. CORNER GUARD EXTENDING FROM FLOOR TO 7'-0" A.F.F.
5. BUMP AND RUB RAILS AT 16" AND 34" A.F.F. - SEE INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION REGARDING EXTENT.
6. TWO-HOUR FIRE-RATED AREA SEPARATION WALL EXTENDING FROM FIRE-RATED FLOOR ASSEMBLY BELOW TO FIRE-RATED FLOOR ASSEMBLY ABOVE - SEE INDICATED PARTITION TYPE.
7. CENTER INDICATED PARTITION ON GRID LINE.
8. PAINTED STRUCTURAL STEEL BEAMS EXPOSED TO VIEW BELOW. CLEAN AND DRESS ALL WELDS AND CONNECTIONS.
9. 4 FOOT HIGH BY 8 FOOT WIDE BY 3/4 INCH FIRE-TREATED PLYWOOD TELECOM PATCH-BOARD MOUNTED ON PARTITION AT 5'-0" TO CENTER.
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12. PAIR OF PAINTED STRUCTURAL STEEL PIPE COLUMNS - SEE STRUCTURAL DRAWINGS. FOR APPLIED ARCHITECTURAL FEATURES, SEE INDICATED INTERIOR ELEVATION.
13. BALCONY GUARDRAIL - SEE SHEET A8.10 FOR TYPICAL DETAILS.
14. ARCHITECTURAL PAINTED STEEL PLATE CLOSURE DETAIL BETWEEN COLUMN FLANGES AND WEB. SEE A6 SERIES PARTIAL BUILDING SECTIONS FOR INTERIOR ELEVATION OF THIS FEATURE.
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17. STRUCTURAL STEEL SEISMIC BRACE LOCATED WITHIN WALL CAVITY.

17A. STRUCTURAL STEEL SEISMIC BRACE LOCATED WITHIN WALL CAVITY. NOTE REDUCED CLEARANCE TO EXTERIOR FACE OF BUILDING - SEE WALL SECTIONS AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.

18. SEISMIC JOINT - HORIZONTAL.
19. SEISMIC JOINT - VERTICAL.
20. JANITOR SINK, MOP RACK, AND ADJUSTABLE SHELVING.
21. OPEN TO BELOW.
22. ENVIRONMENTAL ROOM - SEE LABORATORY DRAWINGS FOR ADDITIONAL INFORMATION.
23. SHAFT ABOVE SHOWN DASHED.
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FLOOR PLAN
LAB LEVEL TWO
WESTERN PORTION

Project No.		Drawing No.
19210.01	B2	A2.05
Date 15 MAY 91	BULLETIN	

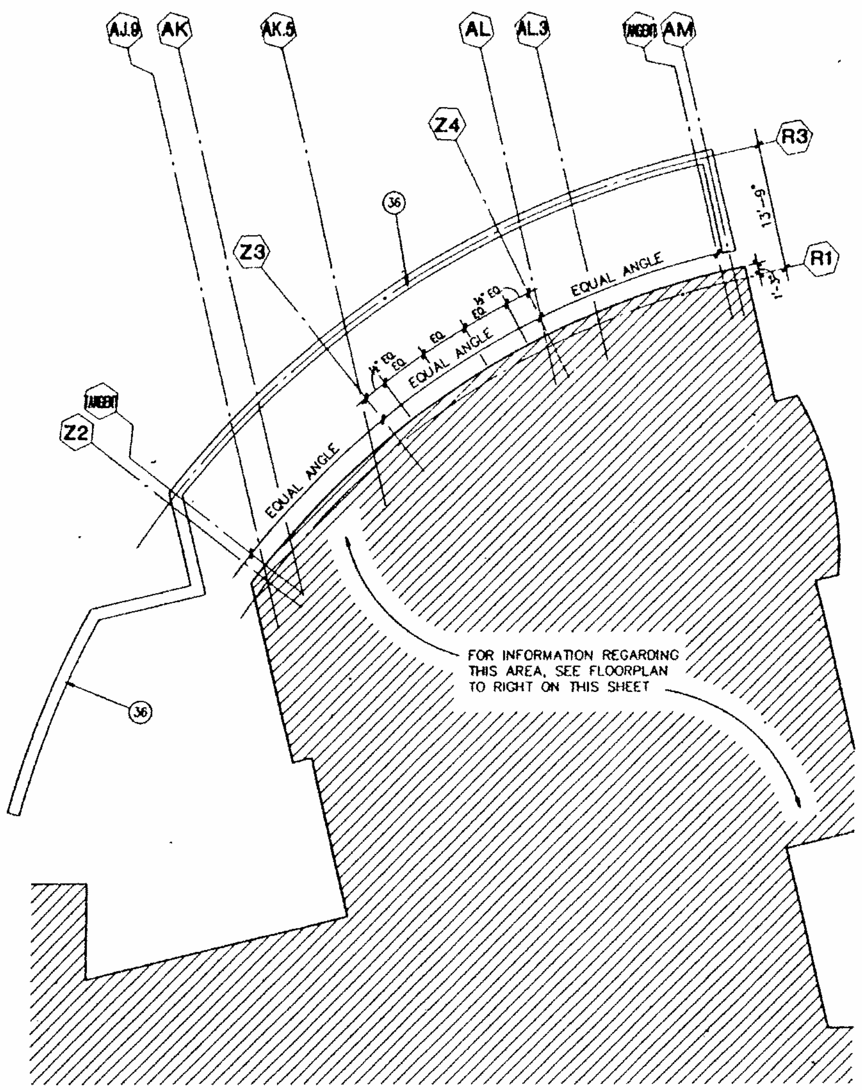
000588

GRID LAYOUT NOTES

1. LINES '2', '3', '4', '5', '6', '7', '7.1' AND '7.5' ARE PARALLEL TO LINE '1'. LINES '7.2', '9', '9.8' AND '10' ARE PARALLEL TO LINE '8'. LINES 'A' THRU 'M' ARE PERPENDICULAR TO LINE '1'.
2. LINES 'AK', 'AL' AND 'AM' PASS THRU INTERSECTION OF LINE '7.1' WITH LINES 'K', 'L' AND 'M' RESPECTIVELY. DIMENSIONS SHOWN BETWEEN ANGLE LINES 'AK', 'AL', AND 'AM' ARE APPROXIMATE.
3. LINE 'Z2' AND ANGLE BETWEEN LINES 'AM' AND 'Z2' IS ESTABLISHED BY INTERSECTION OF LINE 'AJ.9' AND LINE 'R1'.
4. LINE 'R1' IS CURVED BETWEEN TANGENT LINES SHOWN ADJACENT TO LINES 'Z2' AND 'AM'.
5. LINE 'R3' IS CURVED WEST OF THE TANGENT LINE ADJACENT TO LINE "AM" AND SHARES ITS RADIUS POINT WITH LINE "R1".
6. LINE "9.9 IS PARALLEL TO LINE "9" AND IS ESTABLISHED BY THE INTERSECTION OF LINE "R1" AND THE TANGENT LINE ADJACENT TO LINE "Z2".
7. LINE "AJ.6" IS PARALLEL TO LINE "AM" AND IS EXTABLISHED BY THE INTERSECTION OF LINE "R3" AND THE TANGENT LINE ADJACENT TO LINE "Z2".
8. LINE "R2 IS CURVED WEST OF THE TANGENT LINE ADJACENT TO LINE "AM" AND SHARES ITS RADIUS POINT WITH LINES "R1" AND "R3". THE RADIUS OF LINE "R2" IS ESTABLISHED BY THE INTERSECTION OF LINES "9.9" AND "AJ.6".
9. ANGLE BETWEEN RADIAL LINES "Z0" AND "Z1" EQUALS ANGLE BETWEEN LINES "Z2" AND "Z3". LINE "Z1" IS ESTABLISHED BY INTERSECTION OF LINES "AJ.4", "R3", AND "9.9".

PARTITION TYPE NOTES

1. FIRST, DETERMINE WHETHER PARTITION TYPE IS INDICATED ON THIS SHEET. IF NOT INDICATED, APPLY THE FOLLOWING RULES TO DETERMINE THE REQUIRED PARTITION TYPE.
2. WHERE PROVIDED, SEE LARGER SCALE PLANS - SUCH AS A4 AND A7 SERIES DRAWINGS - TO DETERMINE REQUIRED PARTITION TYPE.
3. TO DETERMINE PARTITION TYPE AT COLUMNS WITHIN THE LABORATORY AREAS, SEE DETAIL 27/A9.04 - "COLUMN FURRING SCHEDULE"
4. WHERE PARTITION TYPE IS NOT OTHERWISE INDICATED AND NO FIRE-RATING IS INDICATED BY THE APPLICABLE A1 SERIES KEY PLAN, USE PARTITION TYPE "0A3A".
5. WHERE PARTITION TYPE IS NOT OTHERWISE INDICATED AND ONE-HOUR FIRE-RATING IS INDICATED BY THE APPLICABLE A1 SERIES KEY PLAN, USE PARTITION TYPE "1A3A".



NOTE REGARDING ROOMS 2-305, 2-308, AND 2-309: (3)

HARZARDOUS MATERIALS ROOMS CONFORMING WITH SECTION 915 OF THE 1990 LABC HAVE BEEN PROVIDED BUT ARE NOT REQUIRED BY THE LABC. ANTICIPATED INVENTORIES OF HAZARDOUS MATERIALS IN CONTROL AREA NO. 3 (LAB LEVEL TWO) AND THESE B-2 HAZARDOUS MATERIALS ROOMS DO NOT EXCEED THE EXEMPT AMOUNTS LISTED BY TABLES 9-A AND 9-B OF THE 1990 LABC EITHER INDIVIDUALLY OR IN AGGREGATE. AMOUNTS OF CLASS 1 FLAMMABLE LIQUIDS STORED IN EACH B-2 HAZARDOUS MATERIALS TO BE LESS THAN 60 GALLONS IN CONFORMANCE WITH THE 1990 LAFC.

04:30:20 PM

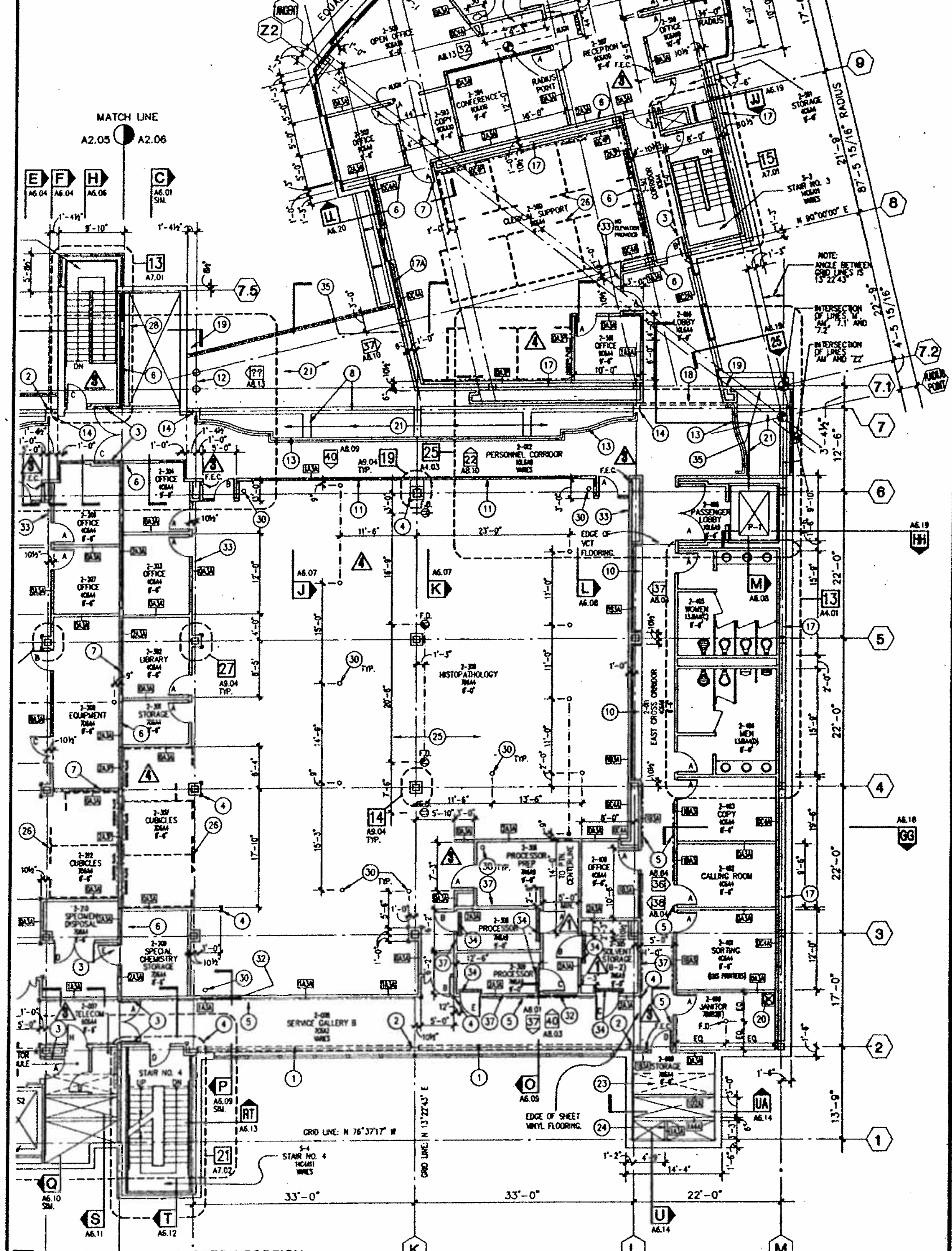
40 LAB LEVEL TWO - ENTRY PLAZA
SCALE: 1/8 INCH EQUALS 1 FOOT

ADDITIONAL KEY NOTES:

31. CLOSE GAP BETWEEN EDGE OF GYPSUM DRYWALL PARTITION AND ENVIRONMENTAL ROOM - SEE LABORATORY DRAWINGS FOR ADDITIONAL INFORMATION.
32. ELECTRICAL PANEL - SEE ELECTRICAL DRAWINGS AND INTERIOR ELEVATIONS.
33. TIME CLOCK (O.F.C.I.) AND THREE 25 CARD TIME-CARD RACKS (O.F.C.I.). SEE INTERIOR ELEVATIONS ON SHEET A8.11 FOR TYPICAL HEIGHTS AND CONFIGURATIONS.
34. PROVIDE SPILL CONTAINMENT AT SOLVENT STORAGE ROOM (RM. 2-305) AND PROCESSOR ROOMS (RM. 2-308 AND RM. 2-309) - (A) SPILL CONTAINMENT TRENCH DRAIN (SEE 24/A8.36) AT DOOR THRESHOLDS AND (B) ALL PERIMETER PARTITIONS SET ATOP 6 INCH HIGH BY 4 INCH WIDE CONCRETE CURBS
35. COMPOSITE METAL PANELS (TYPE 2 FOR INTERIOR USE, COLOR NO. 1) OVER 8 INCH BY 18 GAUGE (MIN.) METAL STUDS. SEE INTERIOR ELEVATIONS ON SHEET A8.10.
36. PAINTED, EXPOSED, BUILT-UP STEEL BEAM AT ARCADE. SEE SHEET A8.35 FOR DETAIL PLAN AND SHEET A8.37 FOR DETAILS.
37. (3) PARTITION SET ATOP 6 INCH HIGH BY 4 INCH WIDE CONCRETE CURB FOR SPILL CONTAINMENT - SEE DETAIL 22 ON SHEET A8.36.

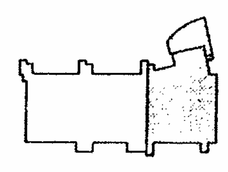
NOTE REGARDING HANDSINKS AT OFFICES 2-505 AND 2-508: (1)
HAND SINK COUNTER AND BASE CABINET CONSISTS OF CASEWORK TYPES 31Q AND 37X (SEE A9.13). SEE PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.

NOTE REGARDING STRUCTURAL FIRE-PROOFING: SEE SHEET A3.06 FOR ADDITIONAL INFORMATION REGARDING ONE-HOUR FIRE-RATED FIRE-PROOFING OF STRUCTURAL FRAMING (INCLUDING COLUMNS) IN VICINITY OF AREA SEPARATION WALL (KEY NOTE NO.6) AT LINES "8", "9" AND "AL.3".



25 LAB LEVEL TWO - EASTERN PORTION
SCALE: 1/8 INCH EQUALS 1 FOOT

KEY PLAN



SHEET NOTES

1. IT IS THE PURPOSE OF THIS DRAWING TO COORDINATE ALL FLOOR PLAN ITEMS OF ALL TRADES. LOCATIONS SHOWN ON OTHER DRAWINGS ARE SCHEMATIC, UNLESS OTHERWISE NOTED ON THIS SHEET. THIS DRAWING TAKES PRECEDENCE FOR EXACT LOCATIONS OF ALL ITEMS.
   WHERE NOT SHOWN OR DIMENSIONED ON THIS SHEET, LOCATE:
   A. AS SHOWN OR DIMENSIONED BY ARCHITECT ON MORE DETAILED FLOOR PLANS, ELEVATIONS, OR DETAILS.
   B. AS SHOWN OR DIMENSIONED ON THE LABORATORY DRAWINGS.
   C. IF NOT INDICATED ON THE LABORATORY DRAWINGS, AT APPROXIMATE LOCATIONS SHOWN ON THE M/E/P DRAWINGS.
2. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS AND SPECIFICATIONS FOR THE DESIGN OF SYSTEMS SHOWN ON THIS SHEET. LOCATE DUCTS, PIPES, CONDUITS, CABLE TRAYS, ETC. ENTIRELY WITHIN THE APPROPRIATE BUILDINGS SYSTEMS AS SHOWN ON THE ARCHITECTURAL PLANS, SECTIONS, AND DETAILS.
3. FOR ADDITIONAL INFORMATION REGARDING LABORATORY FURNITURE AND EQUIPMENT, REFER TO LABORATORY DRAWINGS AND SPECIFICATIONS.
4. FOR DESCRIPTION OF APPLIED ARCHITECTURAL FINISHES OF SPACES SHOWN ON THIS SHEET, REFER TO 'FINISH SCHEDULE' ON SHEET A8.15.
5. FOR ADDITIONAL TYPICAL NOTES APPLICABLE TO THIS SHEET, SEE "GENERAL NOTES" ON SHEET A0.01.

KEY NOTES

1. PAINTED STRUCTURAL STEEL SEISMIC BRACE EXPOSED TO VIEW. CLEAN AND DRESS ALL WELDS AND CONNECTIONS.
2. PAINTED, EXPOSED STRUCTURAL STEEL COLUMN.
3. MAGNETIC HOLD-OPEN DOOR DEVICE WITH LOCAL SMOKE DETECTORS - SEE ELECTRICAL DRAWINGS.
4. CORNER GUARD EXTENDING FROM FLOOR TO 7'-0" A.F.F.
5. BUMP AND RUB RAILS AT 16" AND 34" A.F.F. - SEE INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION REGARDING EXTENT.
6. TWO-HOUR FIRE-RATED AREA SEPARATION WALL EXTENDING FROM FIRE-RATED FLOOR ASSEMBLY BELOW TO FIRE-RATED FLOOR ASSEMBLY ABOVE - SEE INDICATED PARTITION TYPE. (2)
7. CENTER INDICATED PARTITION ON GRID LINE.
8. PAINTED STRUCTURAL STEEL BEAMS EXPOSED TO VIEW BELOW. CLEAN AND DRESS ALL WELDS AND CONNECTIONS.
9. 4 FOOT HIGH BY 8 FOOT WIDE BY 3/4 INCH FIRE-TREATED PLYWOOD TELECOM PATCHBOARD MOUNTED ON PARTITION AT 5'-0" TO CENTER.
10. 40 TYPE A METAL LOCKERS (12"W X 18"D X DOUBLE TIER). CONTRACTOR TO VERIFY OVERALL LOCKER DIMENSIONS PRIOR TO COMMENCING PARTITION LAYOUT AND CONSTRUCTION.
10A. 18 TYPE A METAL LOCKERS (12"W X 18"D X DOUBLE TIER). CONTRACTOR TO VERIFY OVERALL LOCKER DIMENSIONS PRIOR TO COMMENCING PARTITION LAYOUT AND CONSTRUCTION.
11. INTERIOR WINDOWS WITH PAINTED HOLLOW METAL FRAMES - SEE INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION REGARDING SIZE, GLAZING TYPE, AND ALTERNATE GLAZING TYPE.
12. PAIR OF PAINTED STRUCTURAL STEEL PIPE COLUMNS - SEE STRUCTURAL DRAWINGS. FOR APPLIED ARCHITECTURAL FEATURES, SEE INDICATED INTERIOR ELEVATION.
13. BALCONY GUARDRAIL - SEE SHEET A8.10 FOR TYPICAL DETAILS.
14. ARCHITECTURAL PAINTED STEEL PLATE CLOSURE DETAIL BETWEEN COLUMN FLANGES AND WEB. SEE A6 SERIES PARTIAL BUILDING SECTIONS FOR INTERIOR ELEVATION OF THIS FEATURE.
15. SERVICE ELEVATORS - TWO 5000 LB., LARGE PLATFORM, 125 FPM ELEVATORS.
16. DRINKING FOUNTAIN - SEE PLUMBING DRAWINGS.
17. STRUCTURAL STEEL SEISMIC BRACE LOCATED WITHIN WALL CAVITY.
17A. STRUCTURAL STEEL SEISMIC BRACE LOCATED WITHIN WALL CAVITY. NOTE REDUCED CLEARANCE TO EXTERIOR FACE OF BUILDING - SEE WALL SECTIONS AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
18. SEISMIC JOINT - HORIZONTAL.
19. SEISMIC JOINT - VERTICAL.
20. JANITOR SINK, MOP RACK, AND ADJUSTABLE SHELVING.
21. OPEN TO BELOW.
22. ENVIRONMENTAL ROOM - SEE LABORATORY DRAWINGS FOR ADDITIONAL INFORMATION.
23. SHAFT ABOVE SHOWN DASHED.
24. ONE-HOUR FIRE-RATED SHAFT SEPARATOR WALL EXTENDING TO ROOF LINE ABOVE - SEE INDICATED PARTITION TYPE.
25. FOR ADDITIONAL INFORMATION REGARDING LABORATORY FURNITURE, LABORATORY ELECTRICAL SYSTEMS, AND LABORATORY PLUMBING SYSTEMS, SEE LABORATORY DRAWINGS.
26. STEELCASE FURNITURE SYSTEM CUBICLES (N.I.C.) SHOWN FOR REFERENCE ONLY.
27. ARCHITECTURAL CASEWORK - SEE INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION.
28. EDGE OF STRUCTURE - SEE INDICATED DETAILS (WHERE APPLICABLE) AND STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION.
29. INTERIOR WIRE-GLASS WINDOWS WITH PAINTED HOLLOW METAL FRAMES - SEE INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION REGARDING SIZE AND GLAZING TYPE.
30. FLOOR PENETRATION FOR LABORATORY PLUMBING. SEE LABORATORY DRAWINGS TO DETERMINE WHETHER PENETRATION IS ACTIVE OR IN-ACTIVE. IF IN-ACTIVE, SEE SHEET A9.04 FOR TEMPORARY CLOSURE DETAIL.

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Revisions

No.		Date
1	ADDENDUM NO. 1	5-15-91
2	ADDENDUM NO. 2	6-27-91
3	BULLETIN NO.1	11-19-91
4	BULLETIN NO. 2	1-24-92

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood - Los Angeles, California

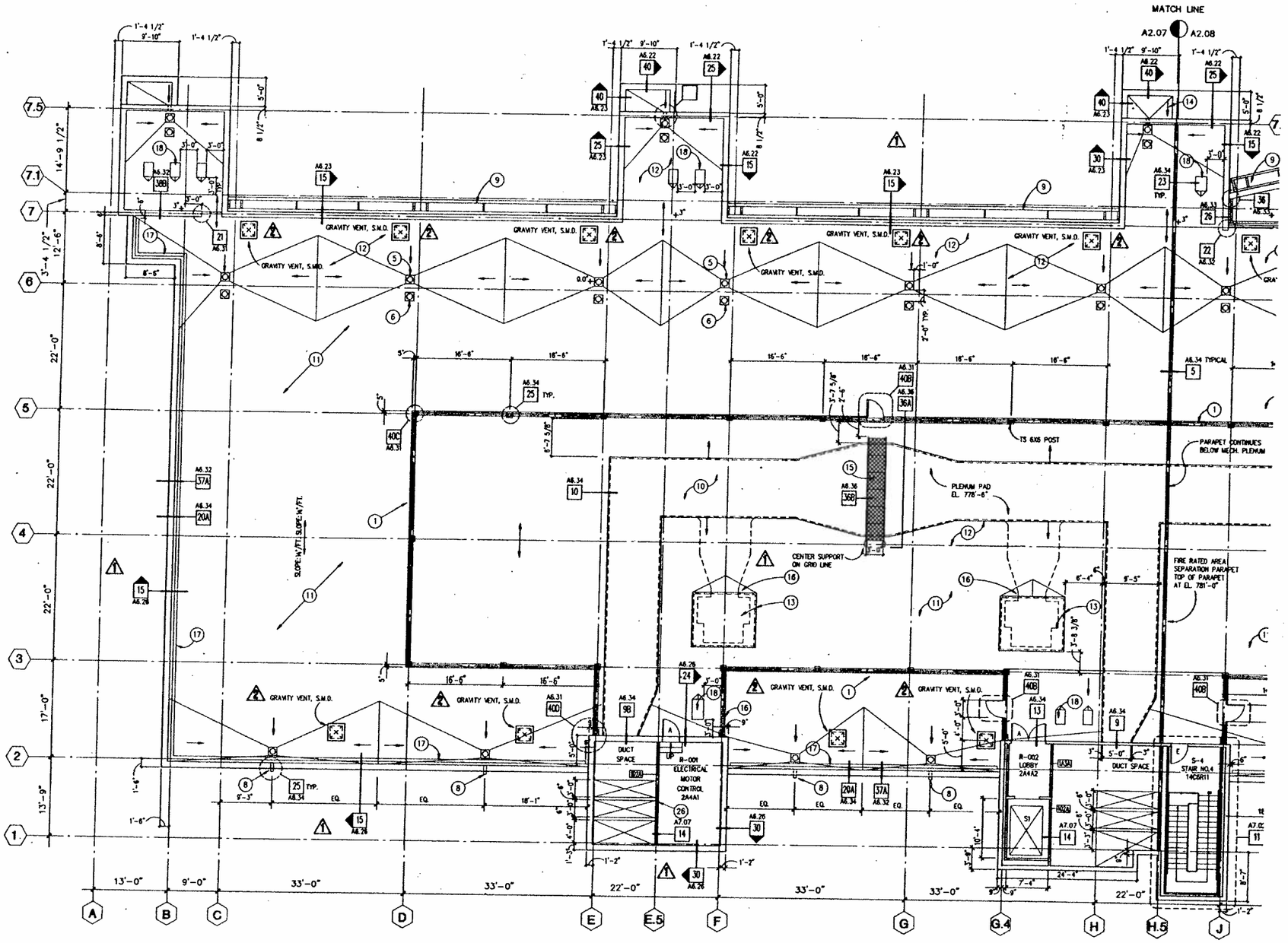
Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

FLOOR PLAN
LAB LEVEL TWO
EASTERN PORTION

Project No.		Drawing No.
19210.01	B2 BULLETIN	A2.06
Date 16 MAY 91		

PROJECT NO. 19210.01

000589



39 ROOF LEVEL - WESTERN PORTION
SCALE: 1/8 INCH EQUALS 1 FOOT

NOTES REGARDING ROOF ELEVATIONS:
1) ON LABORATORY BUILDING MAIN ROOF, ELEVATIONS SHOWN THUS +8" REFER TO HEIGHT OF ROOF ASSEMBLY (INCLUDING PAVER BALLAST) ABOVE BASE ELEVATION OF 777'-2 1/2'. BASE ELEVATION OF 777'-2 1/2' IS 4 1/2" ABOVE ROOF SLAB LOW POINT OF 778'-10".
2) SEE SHEETS A6.10, A6.11, A6.12, A6.13, AND A6.14 TO DETERMINE ROOF SLAB LOW POINTS AT UTILITY TOWERS NOS. 4, 5, AND 6.
3) AT FLAMMABLE STORAGE SHED (SEE DETAIL PLAN 19 ON SHEET A2.08). SEE DETAIL 30A ON SHEET A6.34 TO DETERMINE LOW POINT OF ROOF ASSEMBLY.

NOTES REGARDING AREA SEPARATION:
1) AT LINE "9" AND "AL.3" THE AREA SEPARATION WALL TERMINATES AT UNDERSIDE OF ONE-HOUR FIRE-RATED ROOF SLAB AND ROOF FRAMING CONFORMANCE WITH EXCEPTION 2 OF SECTION 505(e)3 OF THE 1990 LABC.
2) AT UTILITY TOWER NO. 5, THE AREA SEPARATION WALL TERMINATES AT UNDERSIDE OF TWO-HOUR FIRE-RATED CONCRETE ROOF SLAB IN CONFORMANCE WITH EXCEPTION 1 OF SECTION 505(e)3.
3) AT LINE "H.5" EXCEPT AS NOTED ABOVE, A 30 INCH AREA SEPARATION PARAPET HAS BEEN PROVIDED.

NOTE REGARDING ROOFING CONSTRUCTION:
1) ROOFING SYSTEM TO BE CLASS A - FIRE RESISTIVE IN CONFORMANCE WITH SECTION 3204 OF THE 1990 LABC AND WITH SPECIFIC CURRENT LA CITY RESEARCH REPORT - FOR ADDITIONAL INFORMATION SEE SPECIFICATION SECTION 07530.

NOTES REGARDING CODE-REQUIRED 30" PARAPET HEIGHT:
1) PER EXCEPTION 1, SECTION 1709(e) OF THE 1990 LABC, PARAPETS ARE NOT REQUIRED AT WALLS WHERE, DUE TO LOCATION ON PROPERTY, UNPROTECTED OPENINGS ARE PERMITTED. THIS EXCEPTION IS APPLICABLE TO ALL PORTIONS OF THE MAIN LABORATORY BLDG. EXCEPT UTILITY TOWER NO. 5.
2) PER EXCEPTION 2, SECTION 1709(e), PARAPETS ARE NOT REQUIRED AT WALLS WHICH TERMINATE AT ROOFS OF TWO-HOUR FIRE RESISTIVE CONSTRUCTION. THIS EXCEPTION IS APPLICABLE TO UTILITY TOWER NO. 5.
3) PER EXCEPTION 4, SECTION 1709(e), PARAPETS ARE NOT REQUIRED ON BUILDINGS OF LESS THAN 1000 SQUARE FEET. THIS EXCEPTION IS APPLICABLE TO THE HAZARDOUS STORAGE BUILDING.

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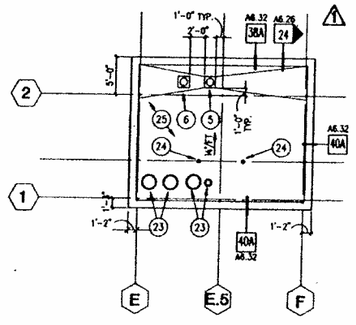
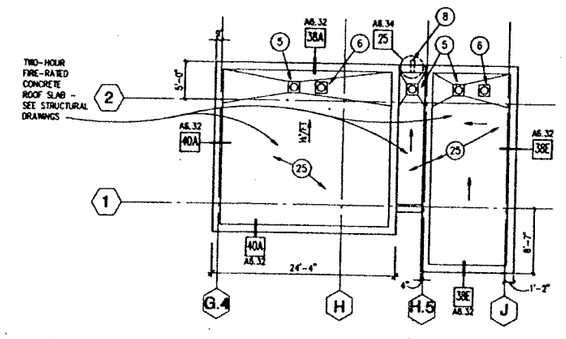
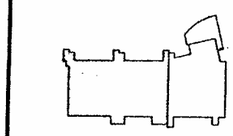


30 ROOF LEVEL - UTILITY TOWER NO. 4
SCALE: 1/8 INCH EQUALS 1 FOOT



20 ROOF LEVEL - UTILITY TOWER NO. 5
SCALE: 1/8 INCH EQUALS 1 FOOT

KEY PLAN



SHEET NOTES

1. IT IS THE PURPOSE OF THIS DRAWING TO COORDINATE ALL FLOOR PLAN ITEMS OF ALL TRADES. LOCATIONS SHOWN ON OTHER DRAWINGS ARE SCHEMATIC, UNLESS OTHERWISE NOTED ON THIS SHEET. THIS DRAWING TAKES PRECEDENCE FOR EXACT LOCATIONS OF ALL ITEMS.

   WHERE NOT SHOWN OR DIMENSIONED ON THIS SHEET, LOCATE:
   A. AS SHOWN OR DIMENSIONED BY ARCHITECT ON MORE DETAILED FLOOR PLANS, ELEVATIONS, OR DETAILS.
   B. AS SHOWN OR DIMENSIONED ON THE LABORATORY DRAWINGS.
   C. IF NOT INDICATED ON THE LABORATORY DRAWINGS, AT APPROXIMATE LOCATIONS SHOWN ON THE M/E/P DRAWINGS.
2. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS AND SPECIFICATIONS FOR THE DESIGN OF SYSTEMS SHOWN ON THIS SHEET. LOCATE DUCTS, PIPES, CONDUITS, CABLE TRAYS, ETC. ENTIRELY WITHIN THE APPROPRIATE BUILDINGS SYSTEMS AS SHOWN ON THE ARCHITECTURAL PLANS, SECTIONS, AND DETAILS.
3. FOR ADDITIONAL INFORMATION REGARDING LABORATORY FURNITURE AND EQUIPMENT, REFER TO LABORATORY DRAWINGS AND SPECIFICATIONS.
4. FOR DESCRIPTION OF APPLIED ARCHITECTURAL FINISHES OF SPACES SHOWN ON THIS SHEET, REFER TO "FINISH SCHEDULE" ON SHEET A6.15.
5. FOR ADDITIONAL TYPICAL NOTES APPLICABLE TO THIS SHEET, SEE "GENERAL NOTES" ON SHEET A6.61.

KEY NOTES

1. PRE-FORMED METAL PANEL MECHANICAL EQUIPMENT SCREEN - FOR ADDITIONAL INFORMATION, SEE ELEVATIONS ON SHEET A5.08 AND SECTION 07410.
2. 4 INCH SEISMIC SEPARATION JOINT. SEE DETAILS ON SHEET A6.33 AND SECTION 05800.
3. ELEVATOR VENT SEE DETAIL 12/A6.34 AND SECTION 07720.
4. 6 X 6 GALV. STEEL TUBE POST AND HORIZONTAL MEMBERS SUPPORT MECHANICAL EQUIPMENT SCREEN. SEE STRUCTURAL DRAWINGS AND DETAIL 25 ON SHEET A6.34 (BASE DETAIL).
5. ROOF1 RAIN - SEE DETAIL 18/A6.34, SECTION 15400, AND PLUMBING DRAWINGS.
6. OVERFLOW DRAIN - SEE DETAIL 18/A6.34 (SIMILAR), SECTION 15400, AND PLUMBING DRAWINGS.
7. SCUPPER DRAIN - SEE DETAIL 25/A6.34 (LAB BUILDING) AND DETAIL 30A/A6.34 (FLAMMABLE STORAGE).
8. OVERFLOW SCUPPER DRAIN - SEE DETAIL 30B/A6.34.
9. ALUMINUM WINDOW WALL BELOW - SEE SHEET A6.27.
10. MECHANICAL PLENUM PAD - SEE MECHANICAL DRAWINGS AND DETAIL 10 ON SHEET A6.34.
11. ELASTOMERIC ROOFING SYSTEM NO. 1 (LOOSELY LAID AT CONCRETE SUBSTRATE) CONSISTING OF 12" X 12" X 2" CONCRETE ROOF PAVER BLOCKS OVER R-9.5 THERMAL INSULATION BOARD OVER E.P.D.M. ROOFING MEMBRANE. ROOF SLOPE AT AREAS INDICATED FOR THIS SYSTEM IS ACHIEVED BY SLOPING THE CONCRETE ROOF STRUCTURE.
12. ELASTOMERIC ROOFING SYSTEM NO. 2 (LOOSELY LAID AT TAPERED INSULATION BOARD SUBSTRATE) CONSISTING OF 12" X 12" X 2" CONCRETE ROOF PAVER BLOCKS OVER R-9.5 THERMAL INSULATION BOARD OVER E.P.D.M. ROOFING MEMBRANE OVER TAPERED INSULATION BOARD. ROOF SLOPE AT AREAS INDICATED FOR THIS SYSTEM IS ACHIEVED BY A LAYER OF TAPERED INSULATION BOARD OVER A FLAT CONCRETE ROOF SLAB.
13. MECHANICAL EQUIPMENT PAD - SEE MECHANICAL DRAWINGS AND DETAIL 23/A6.34 (SIMILAR).
14. DRAIN THRU PARAPET OR WALL - SEE DETAIL 11 ON SHEET A6.34.
15. ACCESS BRIDGE OVER MECHANICAL PLENUM - SEE STRUCTURAL DRAWINGS AND SHEET A6.36.
16. ROOF CRICKET.
17. PARAPET GUARDRAIL - TYPE ONE. SEE DETAIL 37A ON SHEET A6.32.
18. MECHANICAL CONDENSING UNIT PADS SEE MECHANICAL DRAWINGS AND DETAIL 23/A6.34 (SIMILAR).
19. ELASTOMERIC ROOFING SYSTEM NO. 4 (SIMILAR TO SYSTEM NO. 1 EXCEPT GRAVEL BALLAST).
20. ELASTOMERIC ROOFING SYSTEM NO. 5 (FULLY ADHERED) CONSISTING OF E.P.D.M. ROOFING MEMBRANE FULLY ADHERED TO R-9.5 THERMAL INSULATION BOARD OVER METAL DECK.
21. PARAPET GUARDRAIL - TYPE TWO. SEE DETAIL 37B ON SHEET A6.32.
22. PARAPET GUARDRAIL - TYPE THREE. SEE DETAIL 37C ON SHEET A6.32.
23. MECHANICAL FLUES - SEE MECHANICAL DRAWINGS AND DETAIL 36/A6.34 (SIMILAR).
24. VENT PIPES - SEE MECHANICAL AND PLUMBING DRAWINGS AND DETAIL 37/A6.34

    NOTE: NOT ALL VENT PIPES ARE SHOWN HERE. SEE MECHANICAL AND PLUMBING DRAWINGS FOR ADDITIONAL LOCATIONS OF VENT PIPES.
25. ELASTOMERIC ROOFING SYSTEM NO. 3 (SIMILAR TO SYSTEM NO. 2 EXCEPT GRAVEL BALLAST).
26. EXPLOSION RELIEF VENT - SEE DETAIL 40 ON SHEET A6.34 AND SECTION 07720.

ADDITIONAL SHEET NOTES:

A. MECHANICAL PIPE SUPPORT CURBS (SEE DETAIL 27 ON SHEET A6.34) ARE REQUIRED BUT NOT SHOWN. SEE MECHANICAL DRAWINGS FOR PIPE SYSTEMS REQUIRING SUPPORT CURBS AND SPACING OF SUPPORT CURBS. CURB TO EXTEND AT LEAST 6 INCHES ON EACH SIDE BEYOND EDGE OF PIPE SUPPORT.
B. ROOF SLOPE TO BE 1/4 INCH PER 12 INCHES OR GREATER.
C. ROOF SLOPE SOUTH OF LINE "E" IS ACHIEVED THRU SLOPED STRUCTURAL ROOF SLAB - TYPICAL.

   WHERE CRICKETS ARE REQUIRED SOUTH OF LINE "E", ROOF SLOPE IS ACHIEVED THRU TAPERED INSULATION BOARD OVER SLOPED STRUCTURAL ROOF SLAB.

   ROOF SLOPE NORTH OF LINE "E" IS ACHIEVED THRU TAPERED INSULATION BOARD OVER FLAT STRUCTURAL ROOF SLAB - TYPICAL.
D. ELASTOMERIC ROOFING SYSTEMS, INCLUDING E.P.D.M., SHALL COMPLY WITH A SPECIFIC LOS ANGELES CITY RESEARCH REPORT. SEE SECTION 07530 FOR ADDITIONAL INFORMATION.

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Revisions

No.		Date
1	ADDENDUM NO. 1	6-18-91
2	BULLETIN NO. 2	1-24-92

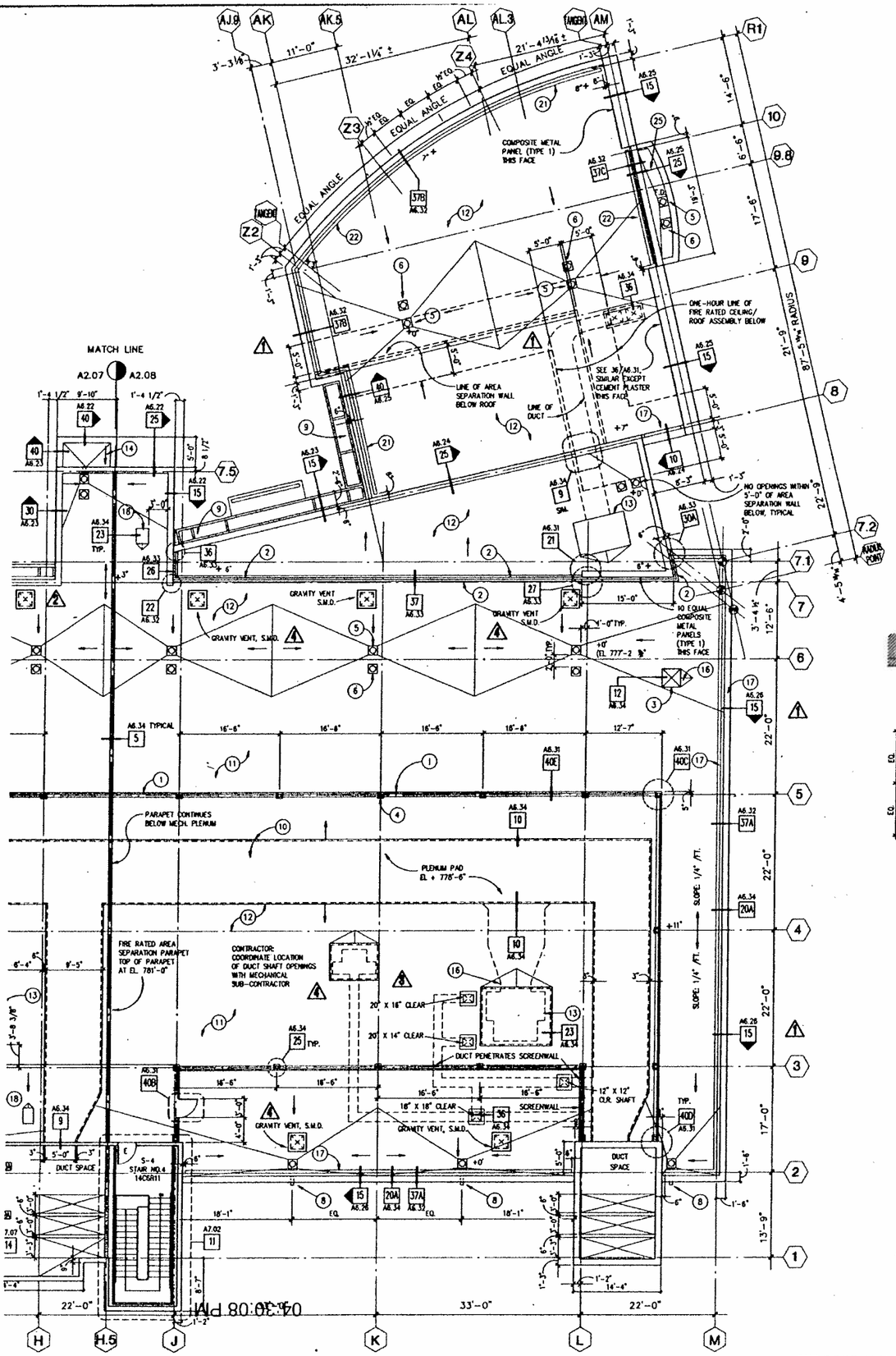
Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

ROOF LEVEL
WESTERN PORTION

Project No.		Drawing No.
18210.01	B2 BULLETIN	A2.07
Date 30 MAY 91		

000590



40 ROOF LEVEL - EASTERN PORTION
SCALE: 1/8 INCH EQUALS 1 FOOT

NOTES REGARDING ROOF ELEVATIONS:
1) ON LABORATORY BUILDING MAIN ROOF, ELEVATIONS SHOWN THUS +6" REFER TO HEIGHT OF ROOF ASSEMBLY (INCLUDING PAVER BALLAST) ABOVE BASE ELEVATION OF 777'-2 1/2". BASE ELEVATION OF 777'-2 1/2" IS 4 1/2" ABOVE ROOF SLAB LOW POINT OF 776'-10".
2) SEE SHEETS A6.10, A6.11, A6.12, A6.13, AND A6.14 TO DETERMINE ROOF SLAB LOW POINTS AT UTILITY TOWERS NOS. 4, 5, AND 6.
3) AT FLAMMABLE STORAGE SHED (SEE DETAIL PLAN 19 ON SHEET A2.08), SEE DETAIL 30A ON SHEET A6.34 TO DETERMINE LOW POINT OF ROOF ASSEMBLY.

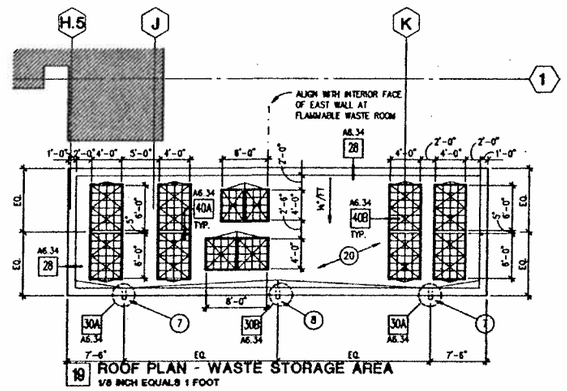
⚠ NOTES REGARDING AREA SEPARATION:
1) AT LINE "9" AND "AL.3" THE AREA SEPARATION WALL TERMINATES AT UNDERSIDE OF ONE-HOUR FIRE-RATED ROOF SLAB AND ROOF FRAMING CONFORMANCE WITH EXCEPTION 2 OF SECTION 505(e)3 OF THE 1990 LABC.
2) AT UTILITY TOWER NO. 5, THE AREA SEPARATION WALL TERMINATES AT UNDERSIDE OF TWO-HOUR FIRE-RATED CONCRETE ROOF SLAB IN CONFORMANCE WITH EXCEPTION 1 OF SECTION 505(e)3.
3) AT LINE "H.5" EXCEPT AS NOTED ABOVE, A 30 INCH AREA SEPARATION PARAPET HAS BEEN PROVIDED.

NOTE REGARDING ROOFING CONSTRUCTION:
1) ROOFING SYSTEM TO BE CLASS A - FIRE RESISTIVE IN CONFORMANCE WITH SECTION 3204 OF THE 1990 LABC AND WITH SPECIFIC CURRENT LA CITY RESEARCH REPORT - FOR ADDITIONAL INFORMATION SEE SPECIFICATION SECTION 07530.

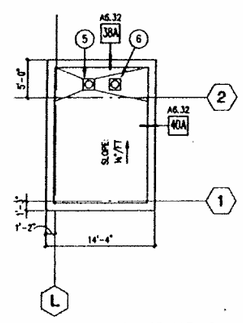
NOTES REGARDING CODE-REQUIRED 30" PARAPET HEIGHT:
1) PER EXCEPTION 3, SECTION 1709(e) OF THE 1990 LABC, PARAPETS ARE NOT REQUIRED AT WALLS WHERE, DUE TO LOCATION ON PROPERTY, UNPROTECTED OPENINGS ARE PERMITTED. THIS EXCEPTION IS APPLICABLE TO ALL PORTIONS OF THE MAIN LABORATORY BLDG. EXCEPT UTILITY TOWER NO. 5.
2) PER EXCEPTION 2, SECTION 1709(e), PARAPETS ARE NOT REQUIRED AT WALLS WHICH TERMINATE AT ROOFS OF TWO-HOUR FIRE RESISTIVE CONSTRUCTION. THIS EXCEPTION IS APPLICABLE TO UTILITY TOWER NO. 5.
3) PER EXCEPTION 4, SECTION 1709(e), PARAPETS ARE NOT REQUIRED ON BUILDINGS OF LESS THAN 1000 SQUARE FEET. THIS EXCEPTION IS APPLICABLE TO THE HAZARDOUS STORAGE BUILDING.

NOTE REGARDING MECHANICAL DUCT SHAFTS:

CONTRACTOR TO COORDINATE SIZE AND LOCATION DIMENSIONS OF ALL DUCT SHAFT OPENINGS WITH MECHANICAL SUB-CONTRACTOR. SIZES AND LOCATIONS SHOWN HERE ARE APPROXIMATE.

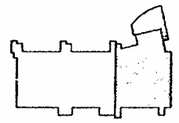


19 ROOF PLAN - WASTE STORAGE AREA
1/8 INCH EQUALS 1 FOOT



20 ROOF LEVEL - UTILITY TOWER NO. 6
SCALE: 1/8 INCH EQUALS 1 FOOT

KEY PLAN



SHEET NOTES

1. IT IS THE PURPOSE OF THIS DRAWING TO COORDINATE ALL FLOOR PLAN ITEMS OF ALL TRADES. LOCATIONS SHOWN ON OTHER DRAWINGS ARE SCHEMATIC, UNLESS OTHERWISE NOTED ON THIS SHEET. THIS DRAWING TAKES PRECEDENCE FOR EXACT LOCATIONS OF ALL ITEMS.

   WHERE NOT SHOWN OR DIMENSIONED ON THIS SHEET, LOCATE:
   A. AS SHOWN OR DIMENSIONED BY ARCHITECT ON MORE DETAILED FLOOR PLANS, ELEVATIONS, OR DETAILS.
   B. AS SHOWN OR DIMENSIONED ON THE LABORATORY DRAWINGS.
   C. IF NOT INDICATED ON THE LABORATORY DRAWINGS, AT APPROXIMATE LOCATIONS SHOWN ON THE M/E/P DRAWINGS.
2. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS AND SPECIFICATIONS FOR THE DESIGN OF SYSTEMS SHOWN ON THIS SHEET. LOCATE DUCTS, PIPES, CONDUITS, CABLE TRAYS, ETC. ENTIRELY WITHIN THE APPROPRIATE BUILDING SYSTEMS AS SHOWN ON THE ARCHITECTURAL PLANS, SECTIONS, AND DETAILS.
3. FOR ADDITIONAL INFORMATION REGARDING LABORATORY FURNITURE AND EQUIPMENT, REFER TO LABORATORY DRAWINGS AND SPECIFICATIONS.
4. FOR DESCRIPTION OF APPLIED ARCHITECTURAL FINISHES OF SPACES SHOWN ON THIS SHEET, REFER TO "FINISH SCHEDULE" ON SHEET A6.16.
5. FOR ADDITIONAL TYPICAL NOTES APPLICABLE TO THIS SHEET, SEE "GENERAL NOTES" ON SHEET A0.01.

KEY NOTES

1. PRE-FORMED METAL PANEL MECHANICAL EQUIPMENT SCREEN - FOR ADDITIONAL INFORMATION, SEE ELEVATIONS ON SHEET A5.08 AND SECTION 07410.
2. 4 INCH SEISMIC SEPARATION JOINT. SEE DETAILS ON SHEET A6.33 AND SECTION 05800.
3. ELEVATOR VENT SEE DETAIL 12/A6.34 AND SECTION 07720.
4. 6 X 6 GALV. STEEL TUBE POST AND HORIZONTAL MEMBERS SUPPORT MECHANICAL EQUIPMENT SCREEN. SEE STRUCTURAL DRAWINGS AND DETAIL 25 ON SHEET A6.34 (BASE DETAIL).
5. ROOF DRAIN - SEE DETAIL 18/A6.34, SECTION 15400, AND PLUMBING DRAWINGS.
6. OVERFLOW DRAIN - SEE DETAIL 18/A6.34 (SIMILAR), SECTION 15400, AND PLUMBING DRAWINGS.
7. SCUPPER DRAIN - SEE DETAIL 26/A6.34 (LAB BUILDING) AND DETAIL 30A/A6.34 (FLAMMABLE STORAGE).
8. OVERFLOW SCUPPER DRAIN - SEE DETAIL 30B/A6.34.
9. ALUMINUM WINDOW WALL BELOW - SEE SHEET A6.27.
10. MECHANICAL PLENUM PAD - SEE MECHANICAL DRAWINGS AND DETAIL 10 ON SHEET A6.34.
11. ELASTOMERIC ROOFING SYSTEM NO. 1 (LOOSELY LAID AT CONCRETE SUBSTRATE) CONSISTING OF 12" X 12" X 2" CONCRETE ROOF PAVER BLOCKS OVER R-9.5 THERMAL INSULATION BOARD OVER E.P.D.M. ROOFING MEMBRANE. ROOF SLOPE AT AREAS INDICATED FOR THIS SYSTEM IS ACHIEVED BY SLOPING THE CONCRETE ROOF STRUCTURE.
12. ELASTOMERIC ROOFING SYSTEM NO. 2 (LOOSELY LAID AT TAPERED INSULATION BOARD SUBSTRATE) CONSISTING OF 12" X 12" X 2" CONCRETE ROOF PAVER BLOCKS OVER R-9.5 THERMAL INSULATION BOARD OVER E.P.D.M. ROOFING MEMBRANE OVER TAPERED INSULATION BOARD. ROOF SLOPE AT AREAS INDICATED FOR THIS SYSTEM IS ACHIEVED BY A LAYER OF TAPERED INSULATION BOARD OVER A FLAT CONCRETE ROOF SLAB.
13. MECHANICAL EQUIPMENT PAD - SEE MECHANICAL DRAWINGS AND DETAIL 23/A6.34 (SIMILAR).
14. DRAIN THRU PARAPET OR WALL - SEE DETAIL 11 ON SHEET A6.34.
15. ACCESS BRIDGE OVER MECHANICAL PLENUM - SEE STRUCTURAL DRAWINGS AND SHEET A6.36.
16. ROOF CRICKET.
17. PARAPET GUARDRAIL - TYPE ONE. SEE DETAIL 37A ON SHEET A6.32.
18. MECHANICAL CONDENSING UNIT PADS SEE MECHANICAL DRAWINGS AND DETAIL 23/A6.34 (SIMILAR).
19. ELASTOMERIC ROOFING SYSTEM NO. 4 (SIMILAR TO SYSTEM NO. 1 EXCEPT GRAVEL BALLAST).
20. ELASTOMERIC ROOFING SYSTEM NO. 5 (FULLY ADHERED) CONSISTING OF E.P.D.M. ROOFING MEMBRANE FULLY ADHERED TO R-9.5 THERMAL INSULATION BOARD OVER METAL DECK.
21. PARAPET GUARDRAIL - TYPE TWO. SEE DETAIL 37B ON SHEET A6.32.
22. PARAPET GUARDRAIL - TYPE THREE. SEE DETAIL 37C ON SHEET A6.32.
23. MECHANICAL FLUES - SEE MECHANICAL DRAWINGS AND DETAIL 36/A6.34 (SIMILAR).
24. VENT PIPES - SEE MECHANICAL AND PLUMBING DRAWINGS AND DETAIL 27/A6.34.

    NOTE: NOT ALL VENT PIPES ARE SHOWN HERE. SEE MECHANICAL AND PLUMBING DRAWINGS FOR ADDITIONAL LOCATIONS OF VENT PIPES.
25. ELASTOMERIC ROOFING SYSTEM NO. 3 (SIMILAR TO SYSTEM NO. 2 EXCEPT GRAVEL BALLAST).
26. EXPLOSION RELIEF VENT - SEE DETAIL 40 ON SHEET A6.34 AND SECTION 07720.

ADDITIONAL SHEET NOTES:

A. MECHANICAL PIPE SUPPORT CURBS (SEE DETAIL 27 ON SHEET A6.34) ARE REQUIRED BUT NOT SHOWN. SEE MECHANICAL DRAWINGS FOR PIPE SYSTEMS REQUIRING SUPPORT CURBS AND SPACING OF SUPPORT CURBS. CURB TO EXTEND AT LEAST 6 INCHES ON EACH SIDE BEYOND EDGE OF PIPE SUPPORT.
B. ROOF SLOPE TO BE 1/4 INCH PER 12 INCHES OR GREATER.
C. ROOF SLOPE SOUTH OF LINE "B" IS ACHIEVED THRU SLOPED STRUCTURAL ROOF SLAB - TYPICAL.

   WHERE CRICKETS ARE REQUIRED SOUTH OF LINE "B", ROOF SLOPE IS ACHIEVED THRU TAPERED INSULATION BOARD OVER SLOPED STRUCTURAL ROOF SLAB.

   ROOF SLOPE NORTH OF LINE "B" IS ACHIEVED THRU TAPERED INSULATION BOARD OVER FLAT STRUCTURAL ROOF SLAB - TYPICAL.
D. ELASTOMERIC ROOFING SYSTEMS, INCLUDING E.P.D.M., SHALL COMPLY WITH A SPECIFIC LOS ANGELES CITY RESEARCH REPORT. SEE SECTION 07530 FOR ADDITIONAL INFORMATION.

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Revisions

No.		Date
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2	ADDENDUM NO. 3	6-27-91
3	BULLETIN NO. 1	11-11-91
4	BULLETIN NO. 2	1-24-92

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

ROOF LEVEL
EASTERN PORTION

Project No.		Drawing No.
19210.01	B2	A2.08
Date 15 MAY 91	BULLETIN	

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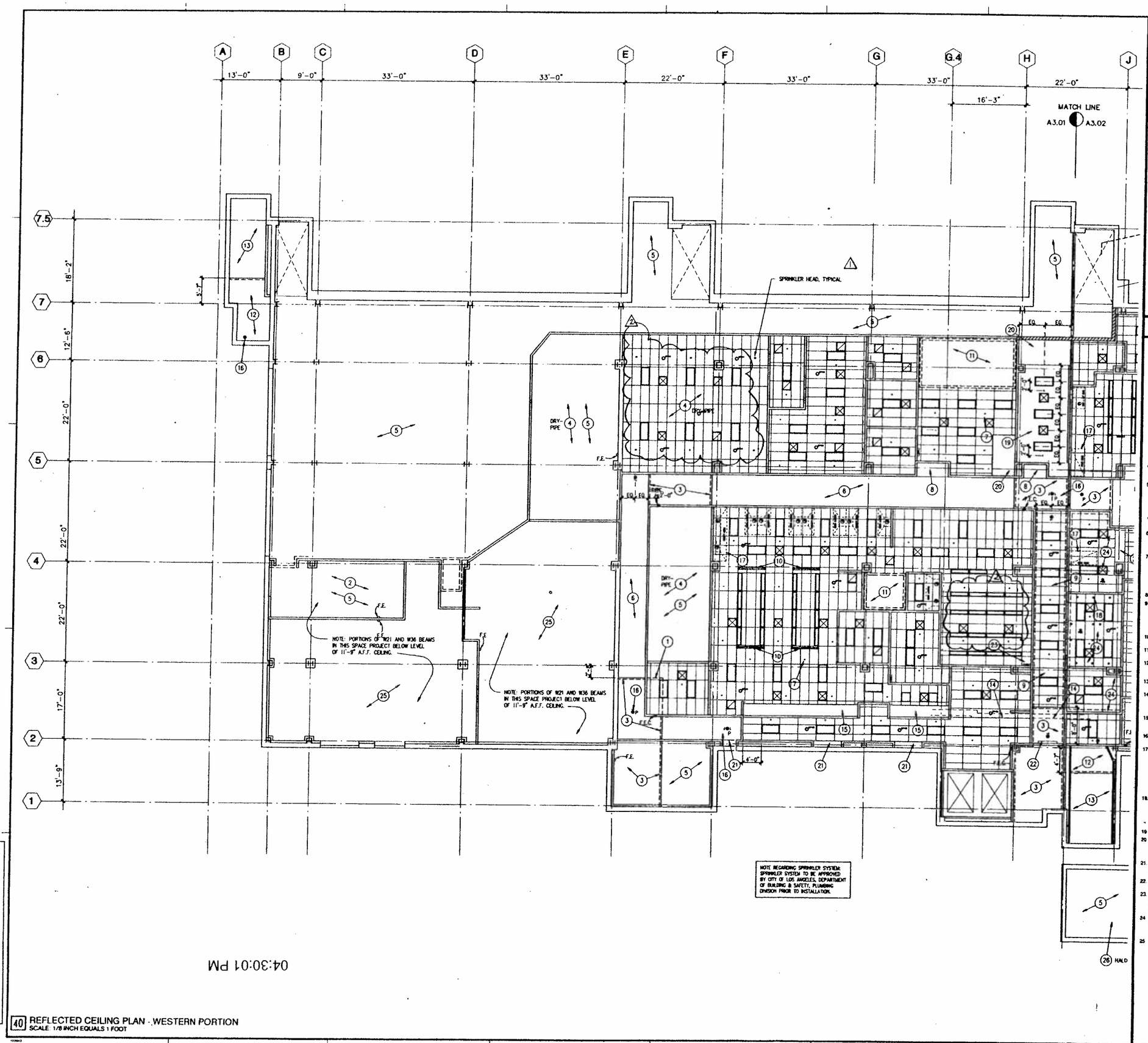

40 REFLECTED CEILING PLAN - WESTERN PORTION
SCALE: 1/8 INCH EQUALS 1 FOOT

04:30:01 PM

SHEET NOTES

1. IT IS THE PURPOSE OF THIS DRAWING TO COORDINATE ALL CEILING ITEMS OF ALL TRADES. LOCATIONS SHOWN ON OTHER DRAWINGS ARE SCHEMATIC UNLESS OTHERWISE NOTED. THIS DRAWING TAKES PRECEDENCE FOR EXACT LOCATIONS OF ALL ITEMS

   LOCATION FIXTURES, REGISTERS, AND OTHER CEILING ITEMS AS DIMENSIONED ON THIS SHEET AND THE REFERENCED ARCHITECTURAL DETAILS. WHERE NOT SHOWN OR DIMENSIONED BY THE ARCHITECT, LOCATE

   A. AS SHOWN OR DIMENSIONED ON THE LABORATORY DRAWINGS

   B. IF NOT INDICATED ON THE LABORATORY DRAWINGS AT APPROXIMATE LOCATIONS SHOWN ON THE M/E/P DRAWINGS
2. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS AND SPECIFICATIONS FOR THE DESIGN OF SYSTEMS SHOWN ON THIS SHEET. LOCATE DUCTS, PIPES, CONDUITS, CABLE TRAYS, ETC. ENTIRELY WITHIN THE APPROPRIATE BUILDINGS SYSTEMS AS SHOWN ON THE ARCHITECTURAL PLANS, SECTIONS, AND DETAILS.
3. FOR ADDITIONAL INFORMATION REGARDING CEILING AND HEADER HEIGHTS, SEE FLOOR PLANS, INTERIOR ELEVATIONS, AND BUILDING/WALL SECTIONS.
4. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND LOCATIONS OF ALL PLUMBING, FIRE SPRINKLER LINES, DUCTS, CONDUITS, STRUCTURAL ELEMENTS, AND OTHER APPLICABLE ITEMS. COORDINATE LOCATIONS OF ALL WORK TO ENSURE ADEQUATE CLEARANCES FOR CEILING LAYOUT AS SHOWN. NOTIFY ARCHITECT OF ANY CONFLICTS PRIOR TO COMMENCING CONSTRUCTIONS. DEVIATIONS FROM LAYOUT SHOWN MUST BE APPROVED IN ADVANCE BY THE ARCHITECT.
5. ACOUSTICAL PANEL/TILE CEILINGS: ALL HVAC REGISTERS AND FLUORESCENT FIXTURES OCCUR WITHIN CEILING GRID LINES. LOCATE OTHER CEILING ELEMENTS WITHIN CEILING GRID AS SHOWN BY TYPICAL CEILING LAYOUT DIMENSION RULES ON SHEET A3.09
6. CAUTION: NOT ALL FIRE-RATED HORIZONTAL DUCT AND PIPE ENCLOSURES ARE NECESSARILY SHOWN HERE. REFER TO BUILDING/WALL SECTIONS, INTERIOR ELEVATIONS, AND M/E/P DRAWINGS FOR ADDITIONAL ELEMENTS REQUIRING FIRE-RATED ENCLOSURES.
7. WHERE FLOORS ARE SLOPED TO DRAIN, MEASURE CEILING HEIGHT FROM INDICATED HIGH POINT AT PERIMETER.
8. FOR ADDITIONAL TYPICAL NOTES APPLICABLE TO THIS SHEET, SEE "GENERAL NOTES" ON SHEET A0.01

KEY NOTES

1. EDGE OF ONE-HOUR FIRE-RATED GYPSUM BOARD AND METAL STUD HORIZONTAL ENCLOSURE SHOWN DASHED ABOVE FINISH CEILING. FOR TYPICAL DETAIL, SEE SHEET A8.04.
2. ACOUSTICAL INSULATION ON STICK FASTENERS. SEE FINISH SCHEDULE FOR ADDITIONAL INFORMATION. LOCATE ALL CEILING ELEMENTS SUCH AS LIGHT FIXTURES, SPEAKERS, REGISTERS/DIFFUSERS, ETC. AT THE APPROXIMATE LOCATIONS SHOWN ON THE M/E/P DRAWINGS. LOCATE SPRINKLER HEADS AS REQUIRED BY THE APPLICABLE CODE(S).
3. ONE-HOUR FIRE-RATED PAINTED GYP. BD. AND METAL STUD DUCT ENCLOSURE OVER CORRIDOR AND EXTENDING TO FIRE-RATED STRUCTURE ABOVE. ENCLOSURE IN CONJUNCTION WITH FIRE-RATED PARTITION FORMS A FIRE-RATED TUNNEL ALLOWING DUCTS TO PASS ABOVE WITHOUT FIRE DAMPERS - SEE SECTION 3305(G)2 AND SECTION 4306(J) OF THE 1990 UBC. FOR HEIGHT TO BOTTOM OF ENCLOSURE, SEE APPLICABLE SECTION OR INTERIOR ELEVATION. TAPE, SAND, AND PAINT ALL SURFACES OF THE ENCLOSURE WHICH ARE EXPOSED TO VIEW. FOR TYPICAL DETAIL, SEE SHEET A3.04
4. DRY-PIPE PRE-ACTION SPRINKLER SYSTEM IN MAIN ELECTRICAL ROOM AND COMPUTER/TELEPHONE EQUIPMENT ROOMS - SEE PLUMBING DRAWINGS.
5. SPACE EXPOSED TO BUILDING SYSTEMS AND STRUCTURE ABOVE. SEE FINISH SCHEDULE FOR ADDITIONAL INFORMATION REGARDING FINISH, IF ANY. LOCATE ALL CEILING ELEMENTS SUCH AS LIGHT FIXTURES, SPEAKERS, REGISTERS/DIFFUSERS, ETC. AT THE APPROXIMATE LOCATIONS SHOWN ON THE M/E/P DRAWINGS. LOCATE SPRINKLER HEADS AS REQUIRED BY THE APPLICABLE CODE(S). MAINTAIN MINIMUM CLEARANCE OF AT LEAST 9'-0" A.F.F. TO ALL ITEMS.
6. SIMILAR TO KEYNOTE NO. 5 EXCEPT MAINTAIN MINIMUM CLEARANCE OF AT LEAST 7'-6" TO ELECTRICAL BUS DUCTS AND PENDANT-MOUNTED EXIT SIGNS, 8'-0" A.F.F. TO ALL OTHER ITEMS.
7. LOCATE FIRE SPRINKLER HEADS AS SHOWN ON REFLECTED CEILING PLAN. IF NOT SHOWN, LOCATE AS REQUIRED BY APPLICABLE CODE(S) AND CONFORMING TO CEILING PANEL/TILE GRID LOCATION RULES SET FORTH ON SHEET A3.09. DO NOT PLACE SPRINKLER HEADS AT LOCATIONS OTHER THAN THOSE ALLOWED BY RULES ON SHEET A3.09
8. PAINTED GYPSUM BOARD SOFFIT AT 8'-0" A.F.F.
9. ONE-HOUR FIRE-RATED GYPSUM BOARD AND METAL STUD HORIZONTAL DUCT ENCLOSURE HIDDEN ABOVE FINISH CEILING. BOTTOM OF DUCT ENCLOSURE AT 8'-4" A.F.F. ENCLOSURE FORMS A FIRE-RATED TUNNEL ALLOWING DUCTS TO PASS ABOVE WITHOUT FIRE DAMPERS. SEE ALSO SECTION ON SHEET A6.12.
10. GLASS WINDOW PARTITION EXTENDS TO CEILING - SEE LABORATORY DRAWINGS FOR DETAILS OF THIS ITEM.
11. CEILING BY ENVIRONMENTAL ROOM MANUFACTURER - SEE LABORATORY DRAWINGS FOR ADDITIONAL DRAWINGS.
12. PAINTED, SUSPENDED GYP. BD. CEILING AT 12'-6" A.F.F. EXTENDS TO EDGE OF STAIR LANDING ABOVE AND RETURNS UPWARD TO BOTTOM OF SLAB.
13. PAINT ALL VISIBLE SURFACES OF EXPOSED STAIR STRUCTURE ABOVE.
14. LINE OF FIRE SPRINKLER MAINS ABOVE CEILING. LOCATE PIPING TO AVOID CONFLICTS WITH LIGHTS AND OTHER CEILING ELEMENTS. FOR ADDITIONAL INFORMATION, SEE SECTIONS ON SHEETS A6.11 AND A6.12.
15. MODULAR CASEWORK SUSPENDED FROM STRUCTURE ABOVE. FOR ADDITIONAL INFORMATION, SEE INTERIOR ELEVATION ON SHEET A8.06.
16. SEE KEYNOTE NO. 16 ON SHEET A3.02 FOR EXIT SIGN LOCATION RULES.
17. LABORATORY FURNITURE/EQUIPMENT ELEMENTS SUCH AS FUME HOODS, CANOPY HOODS, AND BIO-SAFETY CABINETS WHICH AFFECT CEILING DESIGN ARE SHOWN FOR REFERENCE ONLY. ITEMS ARE SHOWN WHERE TOP OF ITEM EXTENDS WITHIN 18 INCHES OF CEILING. CONTRACTOR TO COORDINATE INSTALLATION OF THESE ELEMENTS TO ENSURE ADEQUATE CLEARANCES FOR CEILING LAYOUT AS SHOWN. SEE LABORATORY DRAWINGS FOR ADDITIONAL INFORMATION.
18. MECHANICAL DUCT CONNECTION BETWEEN BENCH-TOP EQUIPMENT OR SHOWRCLS SHOWN FOR REFERENCE ONLY. CONTRACTOR TO COORDINATE INSTALLATION OF THESE ELEMENTS TO ENSURE ADEQUATE CLEARANCES FOR CEILING LAYOUT AS SHOWN. SEE MECHANICAL AND LABORATORY DRAWINGS FOR ADDITIONAL INFORMATION.
19. PAINTED, SUSPENDED GYP. BD. CEILING AT 8'-0" A.F.F.
20. PAINT EXPOSED STRUCTURE ABOVE AND BEHIND LABORATORY EQUIPMENT SCREEN-WALL. FOR ADDITIONAL INFORMATION REGARDING SCREEN-WALL SEE LABORATORY DRAWINGS.
21. PAINTED GYPSUM BOARD SOFFIT ABOVE DOOR HEAD. SEE INTERIOR ELEVATIONS, WHERE PROVIDED, AND TYPICAL DOOR OPENING DETAILS FOR ADDITIONAL INFORMATION
22. WALL-MOUNTED LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS
23. LABORATORY UTILITY UMBILICAL EXTENDING FROM ABOVE CEILING TO BENCHWORK BELOW. LOCATIONS ARE SHOWN FOR GENERAL COORDINATION PURPOSES. SEE LABORATORY DRAWINGS FOR EXACT LOCATIONS
24. PROVIDE ONE-HOUR FIRE-RATED GYPSUM BOARD ENCLOSURE AROUND ALL STRUCTURAL BEAMS AND COLUMNS WITHIN SPACE (H-7 OCCUPANCY) INDICATED. SEE SHEET A8.04 FOR DETAIL.
25. SUSPENDED GYP. BD. CEILING WITH ACOUSTICAL INSULATION ON STICK FASTENERS ABOVE. SEE FINISH SCHEDULE FOR ADDITIONAL INFORMATION

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Revisions

No.		Date
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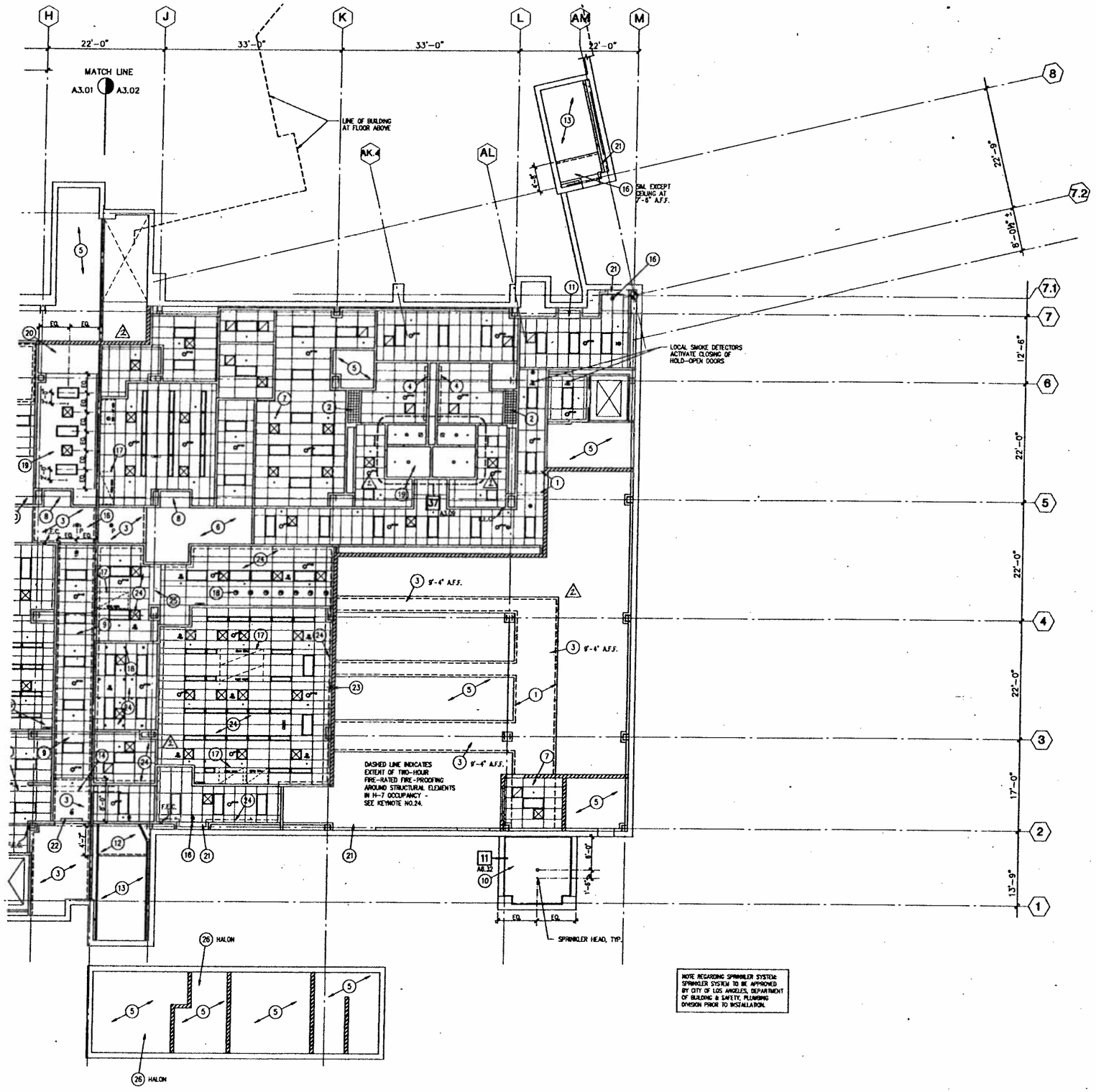
2	BULLETIN NO. 1	11-11-91

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

REFLECTED CEILING GROUND LEVEL WESTERN PORTION

Project No.		Drawing No.
18210.01	B 1 BULLETIN	A3.01
Date 13 MAY 91		



NOTE REGARDING SPRINKLER SYSTEM: SPRINKLER SYSTEM TO BE APPROVED BY CITY OF LOS ANGELES, DEPARTMENT OF BUILDING & SAFETY, PLUMBING DIVISION PRIOR TO INSTALLATION.

04:29:52 PM

40 REFLECTED CEILING PLAN - EASTERN PORTION
SCALE: 1/8 INCH EQUALS 1 FOOT

SHEET NOTES

1. IT IS THE PURPOSE OF THIS DRAWING TO COORDINATE ALL CEILING ITEMS OF ALL TRADES. LOCATIONS SHOWN ON OTHER DRAWINGS ARE SCHEMATIC, UNLESS OTHERWISE NOTED. THIS DRAWING TAKES PRECEDENCE FOR EXACT LOCATIONS OF ALL ITEMS.

   LOCATION FIXTURES, REGISTERS, AND OTHER CEILING ITEMS AS DIMENSIONED ON THIS SHEET AND THE REFERENCED ARCHITECTURAL DETAILS. WHERE NOT SHOWN OR DIMENSIONED BY THE ARCHITECT, LOCATE
   A. AS SHOWN OR DIMENSIONED ON THE LABORATORY DRAWINGS.
   B. IF NOT INDICATED ON THE LABORATORY DRAWINGS, AT APPROXIMATE LOCATIONS SHOWN ON THE M/E/P DRAWINGS.
2. FOR ADDITIONAL TYPICAL NOTES APPLICABLE TO THIS SHEET, SEE "SHEET NOTES" ON SHEET A3.01.
3. FOR ADDITIONAL TYPICAL NOTES APPLICABLE TO THIS SHEET, SEE "GENERAL NOTES" ON SHEET A0.01.

KEY NOTES

1. EDGE OF ONE-HOUR FIRE-RATED GYPSUM BOARD AND METAL STUD HORIZONTAL ENCLOSURE SHOWN DASHED ABOVE FINISH CEILING. FOR TYPICAL DETAIL, SEE SHEET A8.04.
2. 1 1/2" BY 1 1/2" BY 1" DEEP ALUMINUM EGG-CRATE PARABOLIC LOUVER WITH STRIP FLUORESCENT LIGHT FIXTURES ABOVE. FOR ADDITIONAL INFORMATION, SEE REFERENCED DETAIL.
3. ONE-HOUR FIRE-RATED PAINTED GYP. BD. AND METAL STUD DUCT ENCLOSURE OVER CORRIDOR AND EXTENDING TO FIRE-RATED STRUCTURE ABOVE. ENCLOSURE IN CONJUNCTION WITH FIRE RATED PARTITION FORMS A FIRE-RATED TUNNEL ALLOWING DUCTS TO PASS ABOVE WITHOUT FIRE DAMPERS - SEE SECTION 3305(g)2 AND SECTION 4306(j) OF THE 1980 LABC. FOR HEIGHT TO BOTTOM OF ENCLOSURE, SEE APPLICABLE SECTION OR INTERIOR ELEVATION. TAPE, SAND, AND PAINT ALL SURFACES OF THE ENCLOSURE WHICH ARE EXPOSED TO VIEW. FOR TYPICAL DETAIL, SEE SHEET A8.04.
4. WALL-MOUNTED LIGHT FIXTURE WITH TOP OF FIXTURE AT 7'-10" A.F.F. - SEE ELECTRICAL DRAWINGS.
5. SPACE EXPOSED TO BUILDING SYSTEMS AND STRUCTURE ABOVE. SEE FINISH SCHEDULE FOR ADDITIONAL INFORMATION REGARDING FINISH, IF ANY. LOCATE ALL CEILING ELEMENTS SUCH AS LIGHT FIXTURES, SPEAKERS, REGISTERS/DIFFUSERS, ETC. AT THE APPROXIMATE LOCATIONS SHOWN ON THE M/E/P DRAWINGS. LOCATE SPRINKLER HEADS AS REQUIRED BY THE APPLICABLE CODE(S). MAINTAIN MINIMUM CLEARANCE OF AT LEAST 9'-8" A.F.F. TO ALL ITEMS.
6. SPACE EXPOSED TO BUILDING SYSTEMS AND STRUCTURE ABOVE. SEE FINISH SCHEDULE FOR ADDITIONAL INFORMATION REGARDING FINISH, IF ANY. LOCATE ALL CEILING ELEMENTS SUCH AS LIGHT FIXTURES, SPEAKERS, REGISTERS/DIFFUSERS, ETC. AT THE APPROXIMATE LOCATIONS SHOWN ON THE M/E/P DRAWINGS. LOCATE SPRINKLER HEADS AS REQUIRED BY THE APPLICABLE CODE(S). MAINTAIN MINIMUM CLEARANCE OF AT LEAST 7'-6" TO ELECTRICAL BUS DUCTS AND PENDANT-MOUNTED EXIT SIGNS, 8'-0" A.F.F. TO ALL OTHER ITEMS.
7. LOCATE FIRE SPRINKLER HEADS AS SHOWN ON REFLECTED CEILING PLAN. IF NOT SHOWN, LOCATE AS REQUIRED BY APPLICABLE CODE(S) AND CONFORMING TO CEILING PANEL/TILE GRID LOCATION RULES SET FORTH ON SHEET A3.09. DO NOT PLACE SPRINKLER HEADS AT LOCATIONS OTHER THAN THOSE ALLOWED BY RULES ON SHEET A3.09.
8. PAINTED GYPSUM BOARD SOFFIT AT 8'-0" A.F.F.
9. ONE-HOUR FIRE-RATED GYPSUM BOARD AND METAL STUD HORIZONTAL DUCT ENCLOSURE HIDDEN ABOVE FINISH CEILING. BOTTOM OF DUCT ENCLOSURE AT 9'-9" A.F.F. ENCLOSURE FORMS A FIRE-RATED TUNNEL ALLOWING DUCTS TO PASS ABOVE WITHOUT FIRE-DAMPERS. SEE ALSO SECTION ON SHEET A8.12.
10. PAINTED, PORTLAND CEMENT PLASTER SOFFIT WITH CONTINUOUS REVEAL AROUND PERIMETER.
11. PAINTED, SUSPENDED GYP. BD. SOFFIT AT 7'-6" A.F.F.
12. PAINTED, SUSPENDED GYP. BD. CEILING EXTENDS TO EDGE OF STAIR LANDING ABOVE AND RETURNS UPWARD TO BOTTOM OF SLAB.
13. PAINT ALL VISIBLE SURFACES OF EXPOSED STAIR STRUCTURE ABOVE.
14. LINE OF FIRE SPRINKLER MAINS ABOVE CEILING. LOCATE PIPING TO AVOID CONFLICTS WITH LIGHTS AND OTHER CEILING ELEMENTS. FOR ADDITIONAL INFORMATION, SEE SECTIONS ON SHEETS A8.11 AND A8.12.
15. NOT USED.
16. LOCATE EXIT SIGNS AS INDICATED ON ARCHITECTURAL DRAWINGS. WHERE NO DIMENSIONS ARE PROVIDED, UTILIZE THE FOLLOWING RULES:
    A. CENTER WALL-MOUNTED SIGNS DIRECTLY OVER EXIT DOOR, UNLESS OTHERWISE INDICATED. LOCATE BOTTOM OF SIGN 4 INCHES ABOVE TOP OF DOOR HEAD.
    B. CENTER PENDANT-MOUNTED SIGNS IN WIDTH OF CORRIDOR SHOWN. WHEN SIGN INDICATES EXIT THROUGH DOOR OR CORRIDOR AHEAD, LOCATE 2'-0" FROM FACE OF WALL ABOVE DOOR OR GYPSUM BOARD HEADER. WHEN SIGN INDICATES EXIT THROUGH INTERSECTING CORRIDOR OR DOOR TO SIDE, CENTER SIGN ON PERPENDICULAR CORRIDOR OR DOOR.
    C. LOCATE CEILING-MOUNTED SIGNS AS INDICATED WITH GRID OF ACOUSTICAL CEILING TILES/PANELS.

    NOTE: "P" ADJACENT TO EXIT SIGN SYMBOL INDICATES PENDANT TYPE MOUNTING.
17. LABORATORY FURNITURE/EQUIPMENT ELEMENTS SUCH AS FUME HOODS, CANOPY HOODS, AND BIO-SAFETY CABINETS WHICH AFFECT CEILING DESIGN ARE SHOWN FOR REFERENCE ONLY. ITEMS ARE SHOWN WHERE TOP OF ITEM EXTENDS WITHIN 18 INCHES OF CEILING. CONTRACTOR TO COORDINATE INSTALLATION OF THESE ELEMENTS TO ENSURE ADEQUATE CLEARANCES FOR CEILING LAYOUT AS SHOWN. SEE LABORATORY DRAWINGS FOR ADDITIONAL INFORMATION.
18. MECHANICAL DUCT CONNECTION BETWEEN BENCHTOP EQUIPMENT OR SNORKELS SHOWN FOR REFERENCE ONLY. CONTRACTOR TO COORDINATE INSTALLATION OF THESE ELEMENTS TO ENSURE ADEQUATE CLEARANCES FOR CEILING LAYOUT AS SHOWN. SEE MECHANICAL AND LABORATORY DRAWINGS FOR ADDITIONAL INFORMATION.
19. PAINTED, SUSPENDED GYP. BD. CEILING AT 8'-0" A.F.F.
20. PAINT EXPOSED STRUCTURE ABOVE AND BEHIND LABORATORY EQUIPMENT SCREEN-WALL. FOR ADDITIONAL INFORMATION REGARDING SCREEN-WALL, SEE LABORATORY DRAWINGS.
21. PAINTED GYPSUM BOARD SOFFIT ABOVE DOOR HEAD. SEE INTERIOR ELEVATIONS, WHERE PROVIDED, AND TYPICAL DOOR OPENING DETAILS FOR ADDITIONAL INFORMATION.
22. WALL-MOUNTED LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS.
23. LABORATORY UTILITY UMBILICAL EXTENDING FROM ABOVE CEILING TO BENCHWORK BELOW. LOCATIONS ARE SHOWN FOR GENERAL COORDINATION PURPOSES - SEE LABORATORY DRAWINGS FOR EXACT LOCATIONS.
24. AT H-7 OCCUPANCY, PROVIDE TWO-HOUR FIRE-RATED, MINERAL AND FIBER BOARD OR GYPSUM BOARD ENCLOSURE AROUND ALL STRUCTURAL BEAMS AND COLUMNS WITHIN ROOMS (G-300, G-301, G-302, G-303, AND G-206) INDICATED WITHIN DASHED LINE. ENCLOSURE TO BE LABC TABLE 43-A OR U.L. LISTED ASSEMBLY:

    BEAMS: ITEM 2-4.1 OF TABLE 43-A OR EQUAL LISTED ASSEMBLY.

    COLUMNS: ITEM 1-7.2 OF TABLE 43-A OR EQUAL LISTED ASSEMBLY.
25. PAINTED, SUSPENDED GYP. BD. SOFFIT AT 7'-7 1/2" A.F.F.
26. HALON 1301 FIRE-PROTECTION SYSTEM IN LIEU OF AUTOMATIC SPRINKLER SYSTEM AT HAZARDOUS STORAGE ROOMS CONTAINING FLAMMABLE OR TOXIC LIQUIDS (SEE SECTION 3604 OF 1980 LABC).

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Revisions

No.		Date
1	ADDENDUM NO. 1	8-16-91
2	BULLETIN NO. 1	11-11-91
3	BULLETIN NO. 2	1-24-92

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

REFLECTED CEILING
GROUND LEVEL
EASTERN PORTION

Project No. 19210.01
Date MAY 91
B2 BULLETIN
Drawing No. A3.02

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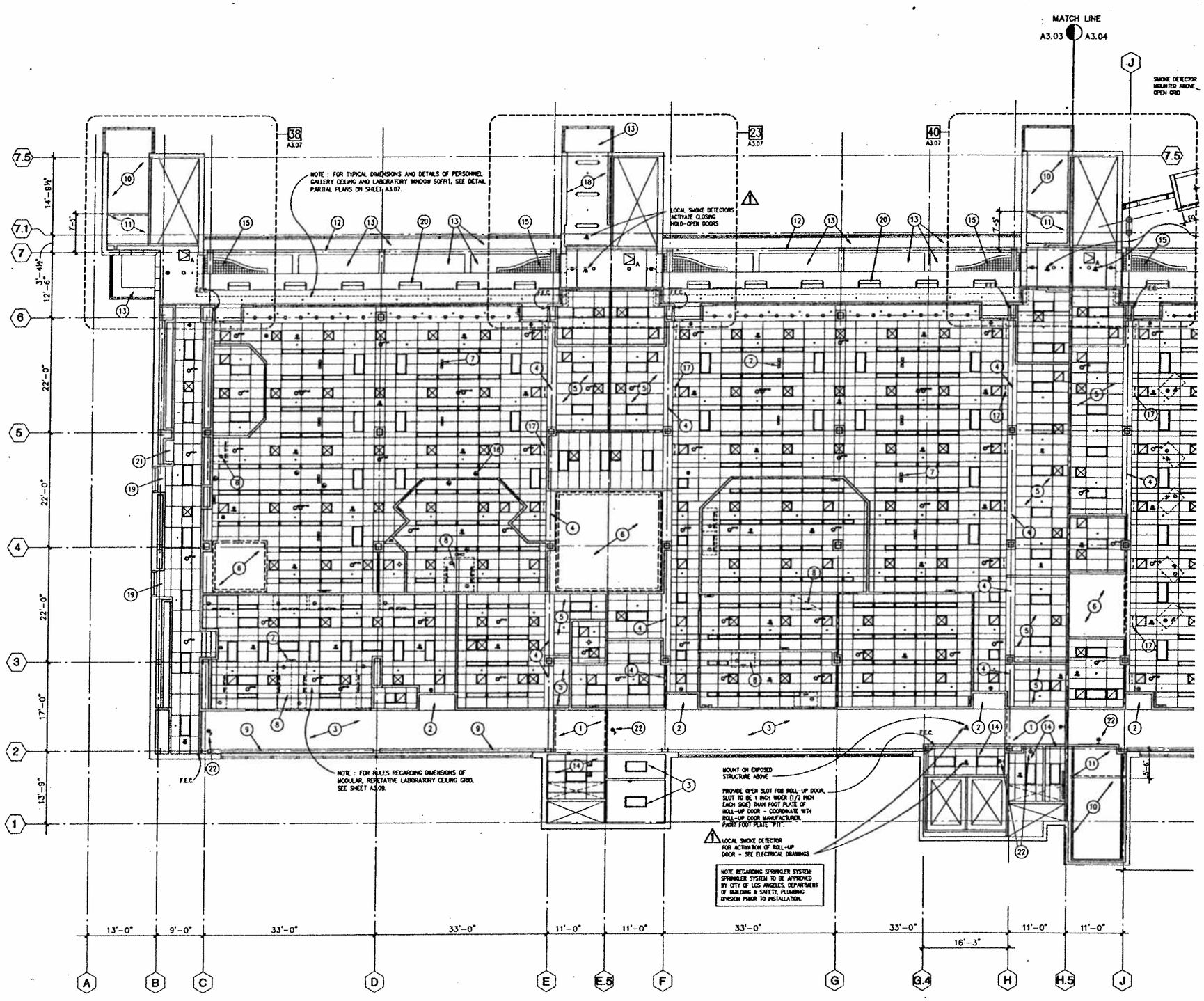

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40 REFLECTED CEILING PLAN - WESTERN PORTION
SCALE 1/8 INCH EQUALS 1 FOOT

SHEET NOTES

1. IT IS THE PURPOSE OF THIS DRAWING TO COORDINATE ALL CEILING ITEMS OF ALL TRADES. LOCATIONS SHOWN ON OTHER DRAWINGS ARE SCHEMATIC UNLESS OTHERWISE NOTED. THIS DRAWING TAKES PRECEDENCE FOR EXACT LOCATIONS OF ALL ITEMS.

   LOCATION FIXTURES, REGISTERS, AND OTHER CEILING ITEMS AS DIMENSIONED ON THIS SHEET AND THE REFERENCED ARCHITECTURAL DETAILS. WHERE NOT SHOWN OR DIMENSIONED BY THE ARCHITECT, LOCATE:

   A. AS SHOWN OR DIMENSIONED ON THE LABORATORY DRAWINGS.

   B. IF NOT INDICATED ON THE LABORATORY DRAWINGS, AT APPROXIMATE LOCATIONS SHOWN ON THE M/E/P DRAWINGS.

2. FOR ADDITIONAL TYPICAL NOTES APPLICABLE TO THIS SHEET, SEE "SHEET NOTES" ON SHEET A3.01.
3. FOR ADDITIONAL TYPICAL NOTES APPLICABLE TO THIS SHEET, SEE "GENERAL NOTES" ON SHEET A0.01.

KEY NOTES

1. ONE HOUR FIRE-RATED HORIZONTAL GYPSUM BOARD AND METAL STUD DUCT ENCLOSURE OVER CORRIDOR AND EXTENDING TO FIRE-RATED STRUCTURE ABOVE. ENCLOSURE IN CONJUNCTION WITH FIRE-RATED PARTITION FORMS A FIRE-RATED TUNNEL ALLOWING DUCTS TO PASS ABOVE WITHOUT FIRE DAMPERS. SEE SECTION 3305(G)(4) AND SECTION 4209(J) OF THE 1991 LABC. BOTTOM OF ENCLOSURE AT 9'-3" A.F.F. UNLESS OTHERWISE NOTED. TAPE, SAND, AND PAINT ALL SURFACES OF THE ENCLOSURE WHICH ARE EXPOSED TO VIEW. FOR TYPICAL DETAIL, SEE SHEET A8.04.
2. ONE HOUR FIRE-RATED HORIZONTAL PAINTED GYPSUM BOARD SOFFIT AT 8'-0" A.F.F. ABOVE LABORATORY SERVICE ENTRY ALCOVE (NOT FIRE-RATED ABOVE SERVICE ELEVATOR ENTRY).
3. EXPOSED MECHANICAL SYSTEMS AND STRUCTURE ABOVE. LOCATE SPRINKLERS AS REQUIRED BY APPLICABLE CODE(S).
4. PAINTED GYPSUM BOARD AND METAL STUD SOFFIT AT 7'-1 1/2" A.F.F. SOFFIT IS TYPICAL WITHIN LABORATORIES AT LINES "E", "F", "H", AND "J".
5. TYPICAL CEILING HEIGHT AT LABORATORY SUPPORT ZONES IS 8'-6" A.F.F. UNLESS OTHERWISE NOTED.
6. CEILING BY ENVIRONMENTAL ROOM MANUFACTURER. FOR ADDITIONAL INFORMATION, SEE LABORATORY DRAWINGS.
7. LABORATORY UTILITY UMBILICAL EXTENDING FROM ABOVE CEILING TO BENCHWORK BELOW. LOCATIONS ARE SHOWN FOR GENERAL COORDINATION PURPOSES - SEE LABORATORY DRAWINGS FOR EXACT LOCATIONS.
8. LABORATORY FURNITURE/EQUIPMENT ELEMENTS SUCH AS FUME HOODS, CANOPY HOODS, AND BIO-SAFETY CABINETS WHICH AFFECT CEILING DESIGN ARE SHOWN FOR REFERENCE ONLY. ITEMS ARE SHOWN WHERE TOP of ITEM EXTENDS WITHIN 18 INCHES OF CEILING. CONTRACTOR TO COORDINATE INSTALLATION OF THESE ELEMENTS TO ENSURE ADEQUATE CLEARANCES FOR CEILING LAYOUT AS SHOWN. SEE LABORATORY DRAWINGS FOR ADDITIONAL INFORMATION.
9. PAINT EXPOSED STRUCTURAL STEEL FRAME ELEMENTS AND SEISMIC BRACE ABOVE (SERVICE CORRIDOR).
10. PAINT ALL VISIBLE SURFACES OF EXPOSED STAIR STRUCTURE ABOVE.
11. PAINTED GYPSUM BOARD CEILING EXTENDS TO EDGE OF STRUCTURAL SLAB AT STAIR LANDING ABOVE AND THEN RETURNS UPWARD TO BOTTOM OF SLAB.
12. PAINT EXPOSED STRUCTURAL STEEL FRAME ELEMENTS AND SEISMIC BRACE ABOVE (PERSONNEL GALLERY).
13. OPEN TO FLOOR ABOVE. SEE BUILDING/WALL SECTIONS FOR ADDITIONAL INFORMATION.
14. LOCATE FIRE SPRINKLER HEADS AS REQUIRED BY APPLICABLE CODE(S) AND CONFORMING TO CEILING PANEL/TILE GRID LOCATION RULES SET FORTH ON SHEET A3.09. DO NOT PLACE SPRINKLER HEADS AT LOCATIONS OTHER THAN THOSE SHOWN BY RULES ON SHEET A3.09.
15. BOTTOM WOOD GRID FINISH CEILING SYSTEM SET FLUSH WITH BOTTOM OF W12 STRUCTURAL ELEMENTS (APPROXIMATELY 13'-3 1/2" A.F.F.).
16. MECHANICAL DUCT CONNECTION BETWEEN BENCHTOP EQUIPMENT OR SNORKELS SHOWN FOR REFERENCE ONLY. CONTRACTOR TO COORDINATE INSTALLATION OF THESE ELEMENTS TO ENSURE ADEQUATE CLEARANCES FOR CEILING LAYOUT AS SHOWN. SEE MECHANICAL AND LABORATORY DRAWINGS FOR ADDITIONAL INFORMATION.
17. WALL-MOUNTED LIGHT SCONCE ON VERTICAL FACE OF PAINTED GYPSUM BOARD SOFFIT OR LABORATORY END WALL. SEE INTERIOR ELEVATIONS ON SHEET A8.11 FOR TYPICAL LOCATION DIMENSIONS.
18. PAINTED GYPSUM BOARD CEILING AT 12'-6" A.F.F.
19. PAINTED GYPSUM BOARD SOFFIT FLUSH WITH TOP OF WINDOW FRAME.
20. LIGHT FIXTURE WITH CUSTOM WALL-MOUNTED SUPPORT BRACKETS. SEE ELECTRICAL DRAWINGS.
21. PAINTED GYPSUM BOARD SOFFIT AT 7'-0" A.F.F. ABOVE DRINKING FOUNTAIN ALCOVE.
22. LOCATE EXIT SIGNS AS INDICATED ON ARCHITECTURAL DRAWINGS. WHERE NO DIMENSIONS ARE PROVIDED, UTILIZE THE FOLLOWING RULES:

    A. CENTER WALL-MOUNTED SIGNS DIRECTLY OVER EXIT DOOR. UNLESS OTHERWISE INDICATED, LOCATE BOTTOM OF SIGN 4 INCHES ABOVE TOP OF DOOR HEAD.

    B. CENTER PENDANT-MOUNTED SIGNS IN WIDTH OF CORRIDOR SHOWN. WHEN SIGN INDICATES EXIT THROUGH DOOR OR CORRIDOR AHEAD, LOCATE 2'-0" FROM FACE OF WALL ABOVE DOOR OR GYPSUM BOARD HEADER. WHEN SIGN INDICATES EXIT THROUGH INTERSECTING CORRIDOR OR DOOR TO SIDE, CENTER SIGN ON PERPENDICULAR CORRIDOR OR DOOR.

    C. LOCATE CEILING-MOUNTED SIGNS AS INDICATED WITH GRID OF ACOUSTICAL CEILING TILES/PANELS.

    NOTE: "P" ADJACENT TO EXIT SIGN SYMBOL INDICATES PENDANT TYPE MOUNTING.

23. SPRINKLER HEAD LOCATED IN OPEN CELL OF WOOD GRID FINISH CEILING. DIMENSIONS PROVIDED ARE APPROXIMATE AND ACTUAL OPEN CELL LOCATION IN FIELD SHALL GOVERN. SEE DETAIL ON PERSONNEL GALLERY DETAILS SHEET.

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Revisions

No.		Date
1	ADDENDUM NO. 1	6-15-91
2	BULLETIN NO. 2	9-24-92

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North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

REFLECTED CEILING
LAB LEVEL ONE
WESTERN PORTION

Project No.		Drawing No.
19210.01	B2	A3.03
Date 15 MAY 91	BULLETIN	

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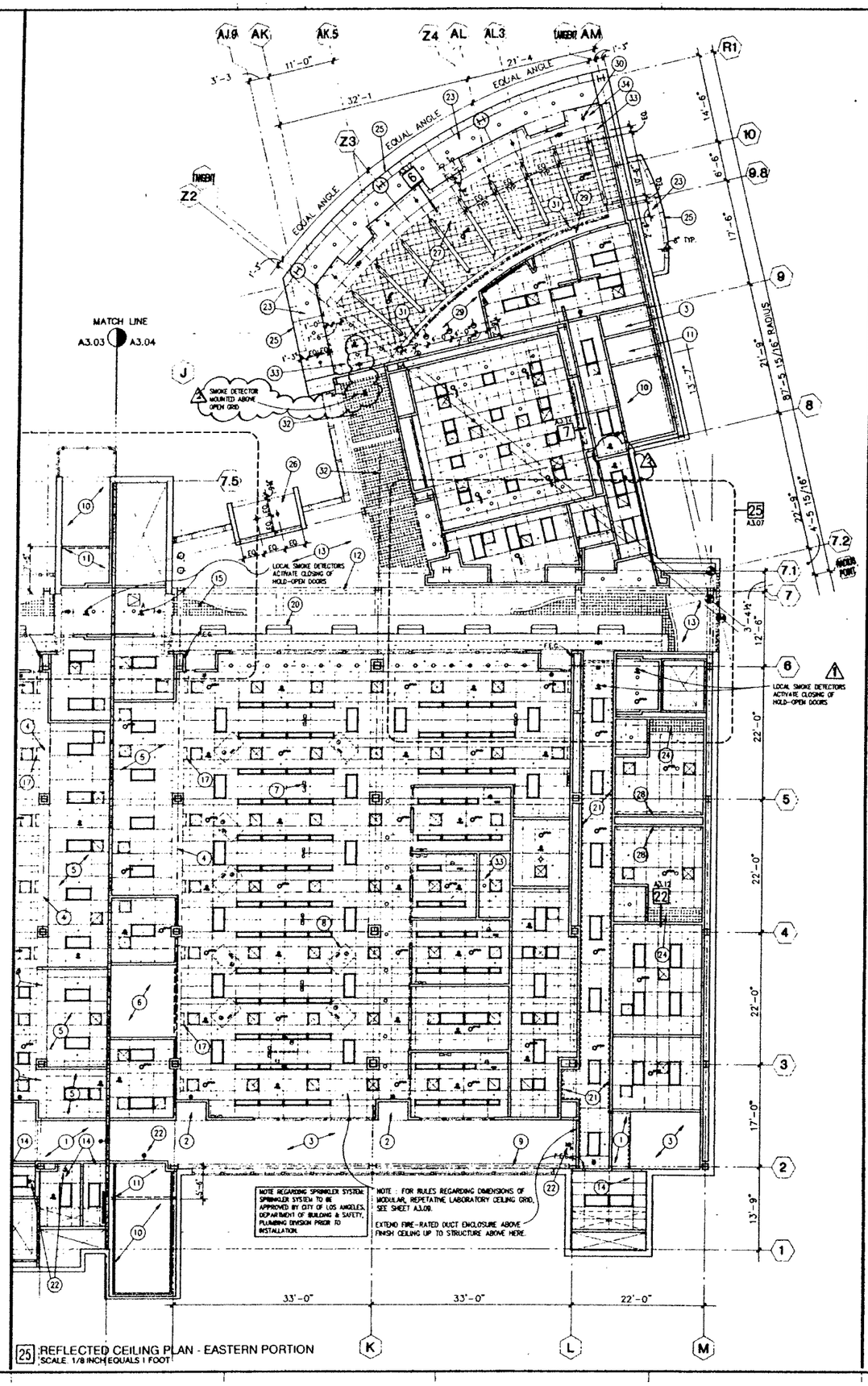

25 REFLECTED CEILING PLAN - EASTERN PORTION
SCALE 1/8 INCH EQUALS 1 FOOT

SHEET NOTES

1. IT IS THE PURPOSE OF THIS DRAWING TO COORDINATE ALL CEILING ITEMS OF ALL TRADES. LOCATIONS SHOWN ON OTHER DRAWINGS ARE SCHEMATIC UNLESS OTHERWISE NOTED. THIS DRAWING TAKES PRECEDENCE FOR EXACT LOCATIONS OF ALL ITEMS.

   LOCATION FIXTURES, REGISTERS, AND OTHER CEILING ITEMS AS DIMENSIONED ON THIS SHEET AND THE REFERENCED ARCHITECTURAL DETAILS. WHERE NOT SHOWN OR DIMENSIONED BY THE ARCHITECT, LOCATE:

   A. AS SHOWN OR DIMENSIONED ON THE LABORATORY DRAWINGS.

   B. IF NOT INDICATED ON THE LABORATORY DRAWINGS, AT APPROXIMATE LOCATIONS SHOWN ON THE M/E/P DRAWINGS.

2. FOR ADDITIONAL TYPICAL NOTES APPLICABLE TO THIS SHEET, SEE "SHEET NOTES" ON SHEET A3.01.
3. FOR ADDITIONAL TYPICAL NOTES APPLICABLE TO THIS SHEET, SEE "GENERAL NOTES" ON SHEET A0.01.

KEY NOTES

1. ONE-HOUR FIRE-RATED HORIZONTAL GYPSUM BOARD AND METAL STUD DUCT ENCLOSURE OVER CORRIDOR AND EXTENDING TO FIRE-RATED STRUCTURE ABOVE. ENCLOSURE IN CONJUNCTION WITH FIRE-RATED PARTITION FORMS A FIRE-RATED TUNNEL ALLOWING DUCTS TO PASS ABOVE WITHOUT FIRE DAMPERS - SEE SECTION 3305(d)2 AND SECTION 4306(j) OF THE 1990 UBC. BOTTOM OF ENCLOSURE AT 8'-3" A.F.F. UNLESS OTHERWISE NOTED. TAPE, SAND, AND PAINT ALL SURFACES OF THE ENCLOSURE WHICH ARE EXPOSED TO VIEW. FOR TYPICAL DETAIL, SEE SHEET A6.04.
2. ONE-HOUR FIRE-RATED HORIZONTAL, PAINTED GYPSUM BOARD SOFFIT AT 8'-0" A.F.F. ABOVE LABORATORY SERVICE ENTRY ALCOVE (NOT FIRE-RATED ABOVE SERVICE ELEVATOR ENTRY).
3. EXPOSED MECHANICAL SYSTEMS AND STRUCTURE ABOVE. LOCATE SPRINKLERS AS REQUIRED BY APPLICABLE CODE(S).
4. PAINTED GYPSUM BOARD AND METAL STUD SOFFIT AT 7'-7 1/2" A.F.F. SOFFIT IS TYPICAL WITHIN LABORATORIES AT LINES "E", "F", "H", AND "J".
5. TYPICAL CEILING HEIGHT AT LABORATORY SUPPORT ZONES IS 8'-6" A.F.F. UNLESS OTHERWISE NOTED.
6. CEILING BY ENVIRONMENTAL ROOM MANUFACTURER. FOR ADDITIONAL INFORMATION, SEE LABORATORY DRAWINGS.
7. LABORATORY UTILITY UMBILICAL EXTENDING FROM ABOVE CEILING TO 'BENCHWORK BELOW'. LOCATIONS ARE SHOWN FOR GENERAL COORDINATION PURPOSES - SEE LABORATORY DRAWINGS FOR EXACT LOCATIONS.
8. LABORATORY FURNITURE/EQUIPMENT ELEMENTS SUCH AS FUME HOODS, CANOPY HOODS, AND BIO-SAFETY CABINETS WHICH AFFECT CEILING DESIGN ARE SHOWN FOR REFERENCE ONLY. ITEMS ARE SHOWN WHERE TOP OF ITEM EXTENDS WITHIN 18 INCHES OF CEILING. CONTRACTOR TO COORDINATE INSTALLATION OF THESE ELEMENTS TO ENSURE ADEQUATE CLEARANCES FOR CEILING LAYOUT AS SHOWN. SEE LABORATORY DRAWINGS FOR ADDITIONAL INFORMATION.
9. PAINT EXPOSED STRUCTURAL STEEL FRAME ELEMENTS AND SEISMIC BRACE ABOVE (SERVICE CORRIDOR).
10. PAINT ALL VISIBLE SURFACES OF EXPOSED STAIR STRUCTURE ABOVE.
11. PAINTED GYPSUM BOARD CEILING EXTENDS TO EDGE OF STRUCTURAL SLAB AT STAIR LANDING ABOVE AND THEN RETURNS UPWARD TO BOTTOM OF SLAB.
12. PAINT EXPOSED STRUCTURAL STEEL FRAME ELEMENTS AND SEISMIC BRACE ABOVE (PERSONNEL GALLERY).
13. OPEN TO ABOVE - SEE A8 BUILDING/WALL SECTIONS.
14. LOCATE FIRE SPRINKLER HEADS AS REQUIRED BY APPLICABLE CODE(S) AND CONFORMING TO CEILING PANEL/TILE GRID LOCATION RULES SET FORTH ON SHEET A3.09. DO NOT PLACE SPRINKLER HEADS AT LOCATIONS OTHER THAN THOSE SHOWN BY RULES ON SHEET A3.09.
15. BOTTOM WOOD GRID FINISH CEILING SYSTEM SET FLUSH WITH BOTTOM OF W12 STRUCTURAL ELEMENTS (APPROXIMATELY 13'-5 1/2" A.F.F.).
16. MECHANICAL DUCT CONNECTION BETWEEN BENCHTOP EQUIPMENT OR SHOWERS IS SHOWN FOR REFERENCE ONLY. CONTRACTOR TO COORDINATE INSTALLATION OF THESE ELEMENTS TO ENSURE ADEQUATE CLEARANCES FOR CEILING LAYOUT AS SHOWN. SEE MECHANICAL AND LABORATORY DRAWINGS FOR ADDITIONAL INFORMATION.
17. WALL-MOUNTED LIGHT SCONCE ON VERTICAL FACE OF PAINTED GYPSUM BOARD SOFFIT OR LABORATORY END WALL. SEE INTERIOR ELEVATIONS ON SHEET A8.11 FOR TYPICAL LOCATION DIMENSIONS.
18. PAINTED GYPSUM BOARD CEILING AT 12'-6" A.F.F.
19. PAINTED GYPSUM BOARD SOFFIT AT 11'-6" A.F.F.
20. LIGHT FIXTURE WITH CUSTOM WALL-MOUNTED SUPPORT BRACKETS. SEE ELECTRICAL DRAWINGS.
21. ONE-HOUR FIRE-RATED GYPSUM BOARD AND METAL STUD HORIZONTAL DUCT ENCLOSURE HIDDEN ABOVE FINISH CEILING. BOTTOM OF DUCT ENCLOSURE AT 8'-4" A.F.F., EXCEPT 9'-3" A.F.F. WHERE EXPOSED TO VIEW IN ROOM 1-010. ENCLOSURE FORMS A FIRE-RATED TUNNEL ALLOWING DUCTS TO PASS ABOVE WITHOUT FIRE-DAMPERS. SEE ALSO SECTION ON SHEET A8.18.
22. LOCATE EXIT SIGNS AS INDICATED ON ARCHITECTURAL DRAWINGS. WHERE NO DIMENSIONS ARE PROVIDED, UTILIZE THE FOLLOWING RULES:

    A. CENTER WALL-MOUNTED SIGNS DIRECTLY OVER EXIT DOOR. UNLESS OTHERWISE INDICATED, LOCATE BOTTOM OF SIGN 4 INCHES ABOVE TOP OF DOOR HEAD.

    B. CENTER PENDANT-MOUNTED SIGNS IN WIDTH OF CORRIDOR SHOWN. WHEN SIGN INDICATES EXIT THROUGH DOOR OR CORRIDOR AHEAD, LOCATE 2'-0" FROM FACE OF WALL ABOVE DOOR OR GYPSUM BOARD HEADER. WHEN SIGN INDICATES EXIT THROUGH INTERSECTING CORRIDOR OR DOOR TO SIDE, CENTER SIGN ON PERPENDICULAR CORRIDOR OR DOOR.

    C. LOCATE CEILING MOUNTED SIGNS AS INDICATED WITH GRID OF ACOUSTICAL CEILING TILES/PANELS.

    NOTE: "P" ADJACENT TO EXIT SIGN SYMBOL INDICATES PENDANT TYPE MOUNTING.
23. COMPOSITE METAL PANEL (TYPE 1 FOR EXTERIOR USE - COLOR NO. 1) SOFFIT AT EL. 7'-9" (JOINT CENTERLINE).
24. 1 1/2" BY 1 1/2" BY 1" DEEP ALUMINUM EGG-CRATE PARABOLIC LOUVER WITH STRIP FLUORESCENT LIGHT FIXTURES ABOVE. FOR ADDITIONAL INFORMATION, SEE REFERENCED DETAIL.
25. ALIGN PANEL JOINTS ON HORIZONTAL SOFFIT WITH COMPOSITE METAL PANEL JOINTS ON ADJOINING VERTICAL EXTERIOR ELEVATION.
26. COMPOSITE METAL PANEL (TYPE 1 FOR EXTERIOR USE - COLOR NO. 1) SOFFIT AT ENTRY FEATURE.
27. 12" BY 12" ACOUSTIC CEILING TILE WITH CONCEALED SUPPORT GRID. START PATTERN AT SOUTH-WEST CORNER OF SPACE NEAR GRID INTERSECTION "9-AK".
28. WALL-MOUNTED LIGHT FIXTURE WITH TOP OF FIXTURE AT 7'-10" A.F.F. - SEE ELECTRICAL DRAWINGS.
29. PAINTED GYPSUM BOARD SOFFIT AT 8'-6" A.F.F.
30. CENTER LIGHT FIXTURE EQUALLY BETWEEN GYP. BD. SOFFIT AND EXTERIOR WINDOW HEAD.
31. MECHANICAL DIFFUSERS EQUALLY SPACED BETWEEN LIMITS SHOWN. CENTER OF EACH DIFFUSER MEASURED AT EACH END TO BE 9 INCHES FROM EDGE OF SOFFIT.
32. SPRINKLER HEAD LOCATED IN OPEN CELL OF WOOD GRID FINISH CEILING. LOCATE WITHIN THAT OPEN CELL WHICH IS CLOSEST TO CENTER OF WOOD GRID AS MEASURED IN EACH DIRECTION.
33. PAINTED SUSPENDED GYPSUM BOARD CEILING. LOCATE CEILING FEATURES (INCLUDING LIGHT FIXTURES, SPRINKLER HEADS AND MECHANICAL DIFFUSERS AS IF LABORATORY CEILING TILE/PANEL GRID (SHOWN DASHED) CONTINUED THROUGH THIS SPACE.

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Laboratory Electrical Engineer

Revisions

No.		Date
1	ADDENDUM NO. 1	5-19-95
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Regional Reference Laboratory
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North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

REFLECTED CEILING LAB LEVEL ONE EASTERN PORTION

Project No.		Drawing No.
19210.01	B1	A3.04
Date: 18 MAY 1995	BULLETIN	

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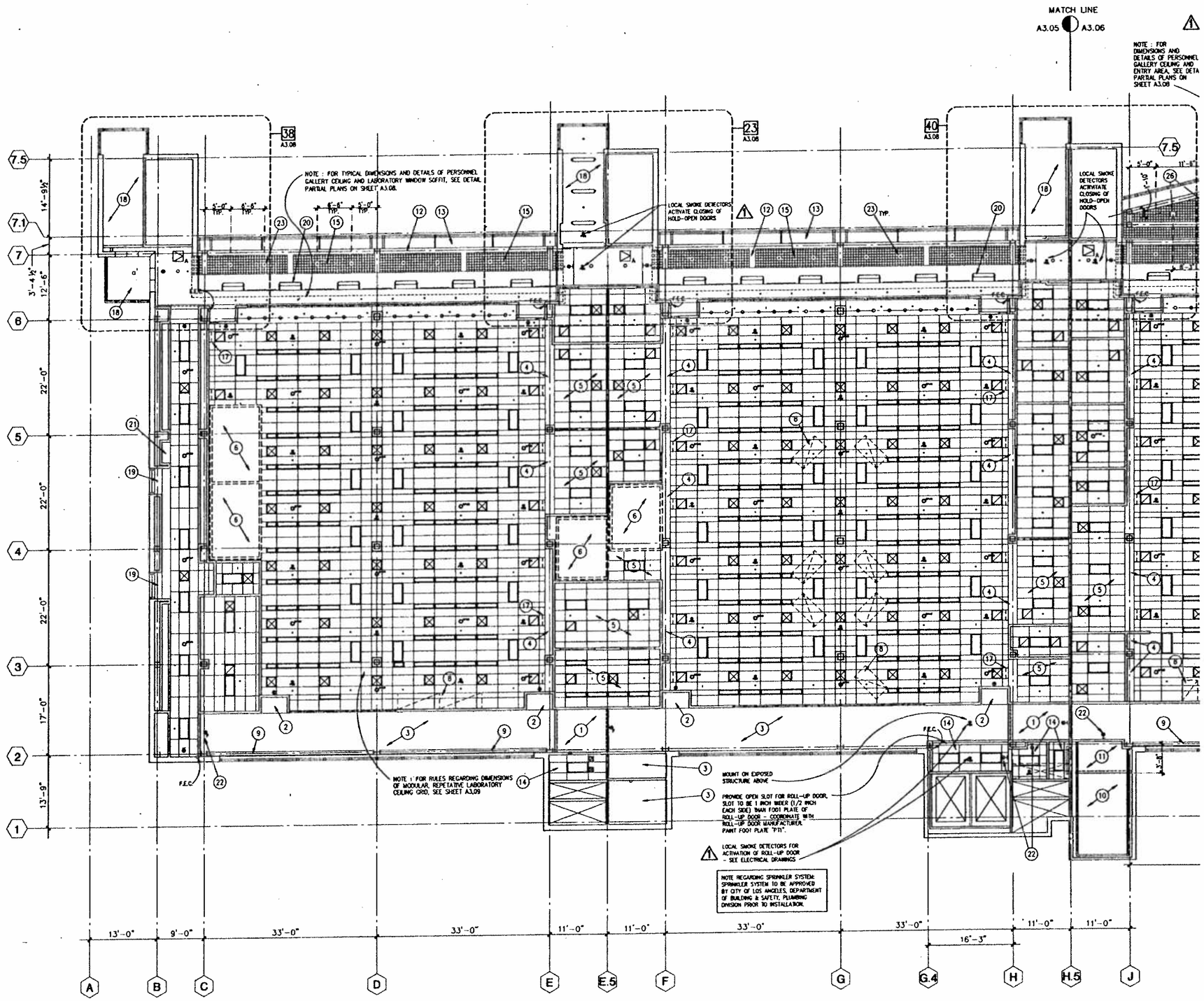

40 REFLECTED CEILING PLAN - WESTERN PORTION
SCALE 1/8 INCH EQUALS 1 FOOT

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SHEET NOTES

1. IT IS THE PURPOSE OF THIS DRAWING TO COORDINATE ALL CEILING ITEMS OF ALL TRADES. LOCATIONS SHOWN ON OTHER DRAWINGS ARE SCHEMATIC UNLESS OTHERWISE NOTED. THIS DRAWING TAKES PRECEDENCE FOR EXACT LOCATIONS OF ALL ITEMS.

   LOCATION FIXTURES, REGISTERS, AND OTHER CEILING ITEMS AS DIMENSIONED ON THIS SHEET AND THE REFERENCED ARCHITECTURAL DETAILS. WHERE NOT SHOWN OR DIMENSIONED BY THE ARCHITECT, LOCATE.

   A. AS SHOWN OR DIMENSIONED ON THE LABORATORY DRAWINGS.

   B. IF NOT INDICATED ON THE LABORATORY DRAWINGS, AT APPROXIMATE LOCATIONS SHOWN ON THE M/E/P DRAWINGS.

2. FOR ADDITIONAL TYPICAL NOTES APPLICABLE TO THIS SHEET, SEE "SHEET NOTES" ON SHEET A3.01.
3. FOR ADDITIONAL TYPICAL NOTES APPLICABLE TO THIS SHEET, SEE "GENERAL NOTES" ON SHEET A0.01

KEY NOTES

1. ONE-HOUR FIRE-RATED HORIZONTAL GYPSUM BOARD AND METAL STUD DUCT ENCLOSURE OVER CORRIDOR AND EXTENDING TO FIRE-RATED STRUCTURE ABOVE. ENCLOSURE IN CONJUNCTION WITH FIRE-RATED PARTITION FORMS A FIRE-RATED TUNNEL ALLOWING DUCTS TO PASS ABOVE WITHOUT FIRE DAMPERS - SEE SECTION 3306(b)2 AND SECTION 4306(J) OF THE 1990 LABC. BOTTOM OF ENCLOSURE AT 9'-3" A.F.F. UNLESS OTHERWISE NOTED. TAPE, SAND, AND PAINT ALL SURFACES OF THE ENCLOSURE WHICH ARE EXPOSED TO VIEW. FOR TYPICAL DETAIL, SEE SHEET A9.04.
2. ONE-HOUR FIRE-RATED HORIZONTAL, PAINTED GYPSUM BOARD SOFFIT AT 8'-6" A.F.F. ABOVE LABORATORY SERVICE ENTRY ALCOVE (NOT FIRE-RATED ABOVE SERVICE ELEVATOR ENTRY).
3. EXPOSED MECHANICAL SYSTEMS AND STRUCTURE ABOVE. LOCATE SPRINKLER HEADS AS REQUIRED BY APPLICABLE CODE(S).
4. PAINTED GYPSUM BOARD AND METAL STUD SOFFIT AT 7'-7 1/2" A.F.F. SOFFIT IS TYPICAL WITHIN LABORATORIES AT LINES "E", "F", "H", AND "J".
5. TYPICAL CEILING HEIGHT AT LABORATORY SUPPORT ZONES IS 8'-6" A.F.F. UNLESS OTHERWISE NOTED.
6. CEILING BY ENVIRONMENTAL ROOM MANUFACTURER. FOR ADDITIONAL INFORMATION, SEE LABORATORY DRAWINGS.
7. LABORATORY UTILITY UMBILICAL EXTENDING FROM ABOVE CEILING TO BENCHWORK BELOW. LOCATIONS ARE SHOWN FOR GENERAL COORDINATION PURPOSES - SEE LABORATORY DRAWINGS FOR EXACT LOCATIONS.
8. LABORATORY FURNITURE/EQUIPMENT ELEMENTS SUCH AS FUME HOODS, CANOPY HOODS, AND BIO-SAFETY CABINETS WHICH AFFECT CEILING DESIGN ARE SHOWN FOR REFERENCE ONLY. ITEMS ARE SHOWN WHERE TOP OF ITEM EXTENDS WITHIN 18-INCHES OF CEILING. CONTRACTOR TO COORDINATE INSTALLATION OF THESE ELEMENTS TO ENSURE ADEQUATE CLEARANCES FOR CEILING LAYOUT AS SHOWN. SEE LABORATORY DRAWINGS FOR ADDITIONAL INFORMATION.
9. PAINT EXPOSED STRUCTURAL STEEL FRAME ELEMENTS AND SEISMIC BRACE ABOVE (SERVICE CORRIDOR).
10. PAINT ALL VISIBLE SURFACES OF EXPOSED STAIR STRUCTURE ABOVE.
11. PAINTED GYPSUM BOARD CEILING EXTENDS TO EDGE OF STRUCTURAL SLAB AT STAIR LANDING ABOVE AND THEN RETURNS UPWARD TO BOTTOM OF SLAB.
12. PAINT EXPOSED STRUCTURAL STEEL FRAME ELEMENTS AND SEISMIC BRACE ABOVE (PERSONNEL GALLERY).
13. OPEN TO ANGLED WINDOW-WALL ABOVE. SEE BUILDING/WALL SECTIONS FOR ADDITIONAL INFORMATION.
14. LOCATE FIRE SPRINKLER HEADS AS REQUIRED BY APPLICABLE CODE(S) AND CONFORMING TO CEILING PANEL/TILE GRID LOCATION RULES SET FORTH ON SHEET A3.09. DO NOT PLACE SPRINKLER HEADS AT LOCATIONS OTHER THAN THOSE SHOWN BY RULES ON SHEET A3.09.
15. BOTTOM WOOD GRID FINISH CEILING SYSTEM SET FLUSH WITH BOTTOM OF W12 STRUCTURAL ELEMENTS (APPROXIMATELY 13'-8 1/2" A.F.F.).
16. MECHANICAL DUCT CONNECTION BETWEEN BENCHTOP EQUIPMENT OR SNORKELS SHOWN FOR REFERENCE ONLY. CONTRACTOR TO COORDINATE INSTALLATION OF THESE ELEMENTS TO ENSURE ADEQUATE CLEARANCES FOR CEILING LAYOUT AS SHOWN. SEE MECHANICAL AND LABORATORY DRAWINGS FOR ADDITIONAL INFORMATION.
17. WALL-MOUNTED LIGHT SCONCE ON VERTICAL FACE OF PAINTED GYPSUM BOARD SOFFIT OR LABORATORY END WALL. SEE INTERIOR ELEVATIONS ON SHEET A8.11 FOR TYPICAL LOCATION DIMENSIONS.
18. PAINTED GYPSUM BOARD CEILING AT 12'-6" A.F.F.
19. PAINTED GYPSUM BOARD SOFFIT FLUSH WITH TOP OF WINDOW FRAME.
20. LIGHT FIXTURE WITH CUSTOM WALL-MOUNTED SUPPORT BRACKETS. SEE ELECTRICAL DRAWINGS.
21. PAINTED GYPSUM BOARD SOFFIT AT 7'-0" A.F.F. ABOVE DRINKING FOUNTAIN ALCOVE.
22. LOCATE EXIT SIGNS AS INDICATED ON ARCHITECTURAL DRAWINGS. WHERE NO DIMENSIONS ARE PROVIDED, UTILIZE THE FOLLOWING RULES:

    A. CENTER WALL-MOUNTED SIGNS DIRECTLY OVER EXIT DOOR. UNLESS OTHERWISE INDICATED, LOCATE BOTTOM OF SIGN 4 INCHES ABOVE TOP OF DOOR HEAD.

    B. CENTER PENDANT-MOUNTED SIGNS IN WIDTH OF CORRIDOR SHOWN. WHEN SIGN INDICATES EXIT THROUGH DOOR OR CORRIDOR AHEAD, LOCATE 2'-0" FROM FACE OF WALL ABOVE DOOR OR GYPSUM BOARD HEADER. WHEN SIGN INDICATES EXIT THROUGH INTERSECTING CORRIDOR OR DOOR TO SIDE, CENTER SIGN ON PERPENDICULAR CORRIDOR OR DOOR.

    C. LOCATE CEILING-MOUNTED SIGNS AS INDICATED WITH GRID OF ACOUSTICAL CEILING TILES/PANELS.

    NOTE: "P" ADJACENT TO EXIT SIGN SYMBOL INDICATES PENDANT TYPE MOUNTING.
23. SPRINKLER HEAD LOCATED IN OPEN CELL OF WOOD GRID FINISH CEILING. DIMENSIONS PROVIDED ARE APPROXIMATE AND ACTUAL OPEN CELL LOCATION IN FIELD SHALL GOVERN. SEE DETAIL ON PERSONNEL GALLERY DETAILS SHEET.

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Revisions

No.		Date
1	ADDENDUM NO. 1	9-19-91
2	BULLETIN NO. 1	12-11-91
3	BULLETIN NO. 2	1-24-92

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Southern California Region

REFLECTED CEILING
LAB LEVEL TWO
WESTERN PORTION

Project No.		Drawing No.
19210.01	B2	A3.05
Date 15 MAY 1991	BULLETIN	

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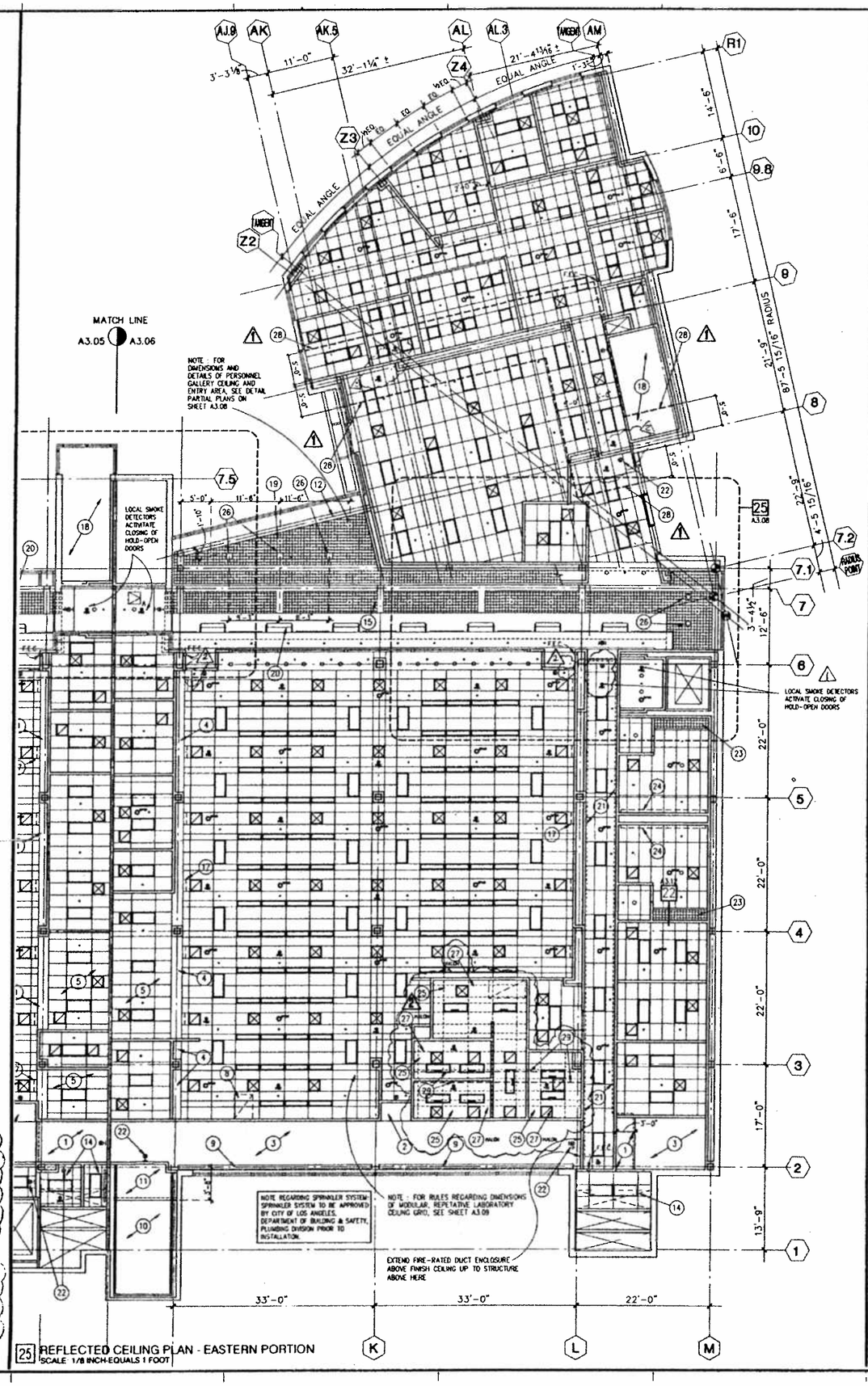

25 REFLECTED CEILING PLAN - EASTERN PORTION
SCALE 1/8 INCH EQUALS 1 FOOT

ADDITIONAL KEYNOTES:

27. HALON 1301 FIRE-PROTECTECTION SYSTEM IN LIEU OF AUTOMATIC SPRINKLER SYSTEM ROOMS CONTAINING FLAMMABLE LIQUIDS (SEE SECTION 3604 OF 1988 UBC).

28. PROVIDE MINIMUM ONE-HOUR FIRE-RATED GYPSUM BOARD OR MINERAL FIBER ASSEMBLY AROUND ALL STRUCTURAL BEAMS AND COLUMNS WITHIN VICINITY OF INDICATED AREA SEPARATION WALL. ALL ASSEMBLIES TO BE U.L. LISTED. ASSEMBLIES INDICATED BELOW MAY EXCEED ONE-HOUR RATING.

ENTIRE EXTENT OF ALL BEAMS WHICH FALL PARTIALLY OR COMPLETELY WITHIN 5'-0" OF AREA SEPARATION WALL: U.L. DESIGN NO. N501 (1988 FIRE RESISTANCE DIRECTORY) OR EQUAL LISTED ASSEMBLY.

ALL COLUMNS SUPPORTING BEAMS WHICH REQUIRE FIRE-RATED ENCLOSURE: U.L. DESIGN NOS. X816 OR X817 (1988 FIRE RESISTANCE DIRECTORY) OR EQUAL LISTED ASSEMBLY.

CONCRETE ROOF SLAB IS ONE-HOUR FIRE-RATED THROUGHOUT DUE TO THICKNESS OF CONCRETE SLAB (5-1/2 INCHES MINIMUM COVER OVER METAL DECK).

29. TWO-HOUR FIRE-RATED HORIZ. SYP. BD. AND METAL STUD DUCT ENCLOSURE ABOVE FINISH CEILING AND EXTENDING TO FIRE-RATED STRUCTURE ABOVE. ENCLOSURE FORMS A FIRE-RATED TUNNEL ALLOWING DUCTS TO PASS ABOVE SECTION 916 B-2 HAZARDOUS MATERIALS ROOM WITHOUT FIRE DAMPERS. BOTTOM OF ENCLOSURE AT 10'-6" A.F.F. FOR SIMILAR DETAIL, SEE SHEET A6.04. USE TWO LAYERS OF 5/8 INCH TYPE X GYPSUM BOARD IN LIEU OF SINGLE LAYER SHOWN BY DETAIL.

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SHEET NOTES

1. IT IS THE PURPOSE OF THIS DRAWING TO COORDINATE ALL CEILING ITEMS OF ALL TRADES. LOCATIONS SHOWN ON OTHER DRAWINGS ARE SCHEMATIC, UNLESS OTHERWISE NOTED. THIS DRAWING TAKES PRECEDENCE FOR EXACT LOCATIONS OF ALL ITEMS.

   LOCATION FIXTURES, REGISTERS, AND OTHER CEILING ITEMS AS DIMENSIONED ON THIS SHEET AND THE REFERENCED ARCHITECTURAL DETAILS. WHERE NOT SHOWN OR DIMENSIONED BY THE ARCHITECT, LOCATE

   A. AS SHOWN OR DIMENSIONED ON THE LABORATORY DRAWINGS

   B. IF NOT INDICATED ON THE LABORATORY DRAWINGS, AT APPROXIMATE LOCATIONS SHOWN ON THE M/E/P DRAWINGS

2. FOR ADDITIONAL TYPICAL NOTES APPLICABLE TO THIS SHEET, SEE 'SHEET NOTES' ON SHEET A3.01

3. FOR ADDITIONAL TYPICAL NOTES APPLICABLE TO THIS SHEET, SEE 'GENERAL NOTES' ON SHEET A0.01

KEY NOTES

1. ONE HOUR FIRE RATED HORIZONTAL GYPSUM BOARD AND METAL STUD DUCT ENCLOSURE OVER CORRIDOR AND EXTENDING TO FIRE RATED STRUCTURE ABOVE ENCLOSURE IN CONJUNCTION WITH FIRE RATED PARTITION FORMS A FIRE RATED TUNNEL ALLOWING DUCTS TO PASS ABOVE WITHOUT FIRE DAMPERS - SEE SECTION 3305(b)2 AND SECTION 4306(b) OF THE 1990 UBC. BOTTOM OF ENCLOSURE AT 9'-3" A.F.F. UNLESS OTHERWISE NOTED. TAPE, SAND, AND PAINT ALL SURFACES OF THE ENCLOSURE WHICH ARE EXPOSED TO VIEW. FOR TYPICAL DETAIL, SEE SHEET A9.04
2. ONE-HOUR FIRE RATED HORIZONTAL PAINTED GYPSUM BOARD SOFFIT AT 8'-0" A.F.F. ABOVE LABORATORY SERVICE ENTRY ALCOVE (NOT FIRE-RATED ABOVE SERVICE ELEVATOR ENTRY).
3. EXPOSED MECHANICAL SYSTEMS AND STRUCTURE ABOVE. LOCATE SPRINKLER HEADS AS REQUIRED BY APPLICABLE CODE(S).
4. PAINTED GYPSUM BOARD AND METAL STUD SOFFIT AT 7'-7 1/2" A.F.F. SOFFIT IS TYPICAL WITHIN LABORATORIES AT LINES "E", "F", "H", AND "J".
5. TYPICAL CEILING HEIGHT AT LABORATORY SUPPORT ZONES IS 8'-6" A.F.F. UNLESS OTHERWISE NOTED.
6. CEILING BY ENVIRONMENTAL ROOM MANUFACTURER. FOR ADDITIONAL INFORMATION, SEE LABORATORY DRAWINGS.
7. LABORATORY UTILITY UMBILICAL EXTENDING FROM ABOVE CEILING TO BENCHWORK BELOW. LOCATIONS ARE SHOWN FOR GENERAL COORDINATION PURPOSES - SEE LABORATORY DRAWINGS FOR EXACT LOCATIONS.
8. LABORATORY FURNITURE/EQUIPMENT ELEMENTS SUCH AS FUME HOODS, CANOPY HOODS, AND BIO SAFETY CABINETS WHICH AFFECT CEILING DESIGN ARE SHOWN FOR REFERENCE ONLY. ITEMS ARE SHOWN WHERE TOP OF ITEM EXTENDS WITHIN 18 INCHES OF CEILING. CONTRACTOR TO COORDINATE INSTALLATION OF THESE ELEMENTS TO ENSURE ADEQUATE CLEARANCES FOR CEILING LAYOUT AS SHOWN. SEE LABORATORY DRAWINGS FOR ADDITIONAL INFORMATION.
9. PAINT EXPOSED STRUCTURAL STEEL FRAME ELEMENTS AND SEISMIC BRACE ABOVE (SERVICE CORRIDOR).
10. PAINT ALL VISIBLE SURFACES OF EXPOSED STAIR STRUCTURE ABOVE.
11. PAINTED GYPSUM BOARD CEILING EXTENDS TO EDGE OF STRUCTURAL SLAB AT STAIR LANDING ABOVE AND THEN RETURNS UPWARD TO BOTTOM OF SLAB.
12. PAINT EXPOSED STRUCTURAL STEEL FRAME ELEMENTS AND SEISMIC BRACE ABOVE (PERSONNEL GALLERY).
13. OPEN TO ANGLED WINDOW WALL ABOVE. SEE BUILDING/WALL SECTIONS FOR ADDITIONAL INFORMATION.
14. LOCATE FIRE SPRINKLER HEADS AS REQUIRED BY APPLICABLE CODE(S) AND CONFORMING TO CEILING PANEL/TILE GRID LOCATION RULES SET FORTH ON SHEET A3.09. DO NOT PLACE SPRINKLER HEADS AT LOCATIONS OTHER THAN THOSE SHOWN BY RULES ON SHEET A3.09.
15. BOTTOM WOOD GRID FINISH CEILING SYSTEM SET FLUSH WITH BOTTOM OF W12 STRUCTURAL ELEMENTS (APPROXIMATELY 13'-3 1/2" A.F.F.).
16. MECHANICAL DUCT CONNECTION BETWEEN BENCHTOP EQUIPMENT OR SNORKELS SHOWN FOR REFERENCE ONLY. CONTRACTOR TO COORDINATE INSTALLATION OF THESE ELEMENTS TO ENSURE ADEQUATE CLEARANCES FOR CEILING LAYOUT AS SHOWN. SEE MECHANICAL AND LABORATORY DRAWINGS FOR ADDITIONAL INFORMATION.
17. WALL-MOUNTED LIGHT SCONCE ON VERTICAL FACE OF PAINTED GYPSUM BOARD SOFFIT ON LABORATORY END WALL. SEE INTERIOR ELEVATIONS ON SHEET A8.11 FOR TYPICAL LOCATION DIMENSIONS.
18. PAINTED GYPSUM BOARD CEILING AT 12'-6" A.F.F.
19. SPRINKLER HEAD LOCATED IN OPEN CELL OF WOOD GRID FINISH CEILING. DIMENSIONS PROVIDED ARE APPROXIMATE AND ACTUAL OPEN CELL LOCATION IN FIELD SHALL GOVERN. SEE DETAIL ON PERSONNEL GALLERY DETAILS SHEET.
20. LIGHT FIXTURE WITH CUSTOM WALL-MOUNTED SUPPORT BRACKETS. SEE ELECTRICAL DRAWINGS.
21. ONE HOUR FIRE-RATED GYPSUM BOARD AND METAL STUD HORIZONTAL DUCT ENCLOSURE HIDDEN ABOVE FINISH CEILING. BOTTOM OF DUCT ENCLOSURE AT 9'-4" A.F.F. EXCEPT 9'-3" A.F.F. WHERE EXPOSED TO VIEW IN ROOM 2-010. ENCLOSURE FORMS A FIRE-RATED TUNNEL ALLOWING DUCTS TO PASS ABOVE WITHOUT FIRE-DAMPERS. SEE ALSO SECTION ON SHEET A6.18.
22. LOCATE EXIT SIGNS AS INDICATED ON ARCHITECTURAL DRAWINGS. WHERE NO DIMENSIONS ARE PROVIDED, UTILIZE THE FOLLOWING RULES:
    - A. CENTER WALL-MOUNTED SIGNS DIRECTLY OVER EXIT DOOR UNLESS OTHERWISE INDICATED. LOCATE BOTTOM OF SIGN 4 INCHES ABOVE TOP OF DOOR HEAD.
    - B. CENTER PENDANT-MOUNTED SIGNS IN WIDTH OF CORRIDOR SHOWN. WHEN SIGN INDICATES EXIT THROUGH DOOR OR CORRIDOR AHEAD, LOCATE 2'-6" FROM FACE OF WALL ABOVE DOOR OR GYPSUM BOARD HEADER. WHEN SIGN INDICATES EXIT THROUGH INTERSECTING CORRIDOR OR DOOR TO SIDE, CENTER SIGN ON PERPENDICULAR CORRIDOR OR DOOR.
    - C. LOCATE CEILING-MOUNTED SIGNS AS INDICATED WITH GRID OF ACOUSTICAL CEILING TILES/PANELS.

    NOTE: "P" ADJACENT TO EXIT SIGN SYMBOL INDICATES PENDANT TYPE MOUNTING.
23. 1 1/2" BY 1 1/2" BY 1" DEEP ALUMINUM EGG-CRATE PARABOLIC LOUVER WITH STRIP FLUORESCENT LIGHT FIXTURES ABOVE. FOR ADDITIONAL INFORMATION, SEE REFERENCED DETAIL.
24. WALL-MOUNTED LIGHT FIXTURE WITH TOP OF FIXTURE AT 7'-10" A.F.F. - SEE ELECTRICAL DRAWINGS.
25. PAINTED SUSPENDED GYPSUM BOARD CEILING. LOCATE CEILING FEATURES INCLUDING LIGHT FIXTURES, SPRINKLER HEADS, AND MECHANICAL DIFFUSERS AS IF LABORATORY CEILING TILE/PANEL GRID (SHOWN DASHED) CONTINUED THROUGH THIS SPACE.
26. PENDANT-MOUNTED LIGHT FIXTURE AT 11'-6" A.F.F. (EL. 773'-0") - SEE ELECTRICAL DRAWINGS.

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Revisions

No.		Date
1	ADDENDUM NO. 1	5-15-91
2	BULLETIN NO. 1	11-11-91

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REFLECTED CEILING
LAB LEVEL TWO
EASTERN PORTION

Project No.		Drawing No.
19210.01	B1 BULLETIN	A3.06
Date 15 MAY 91		

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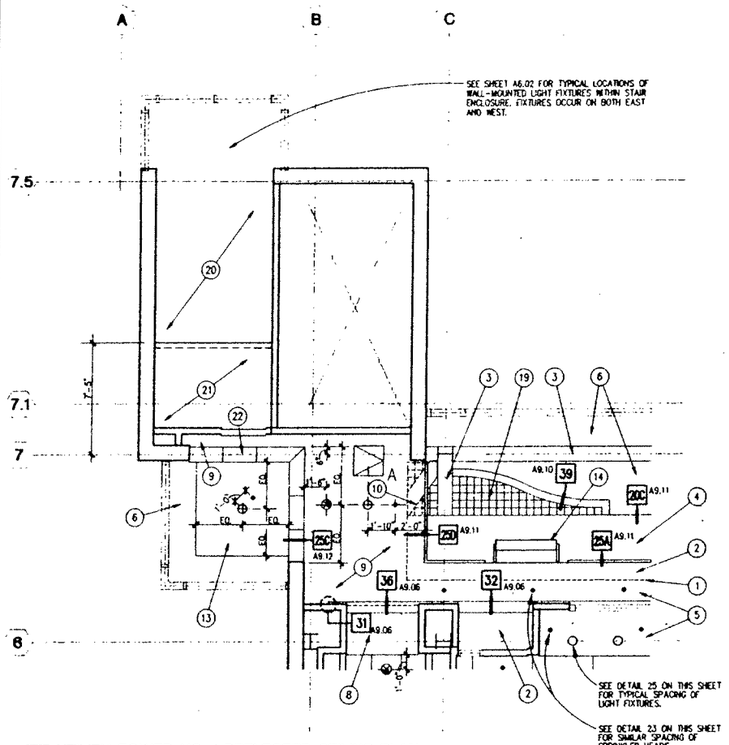
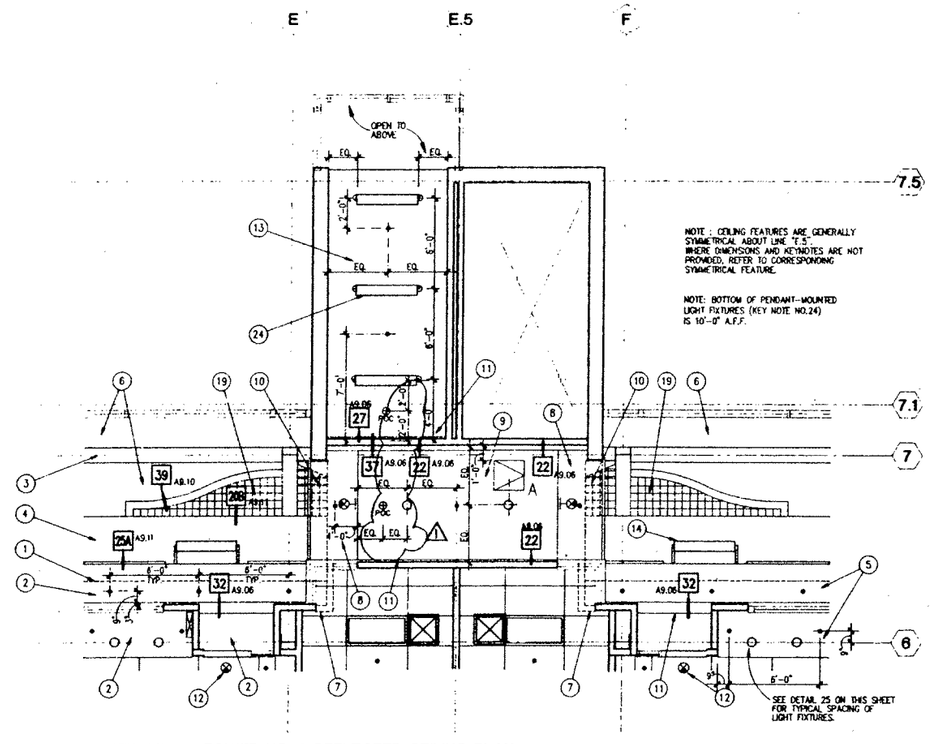
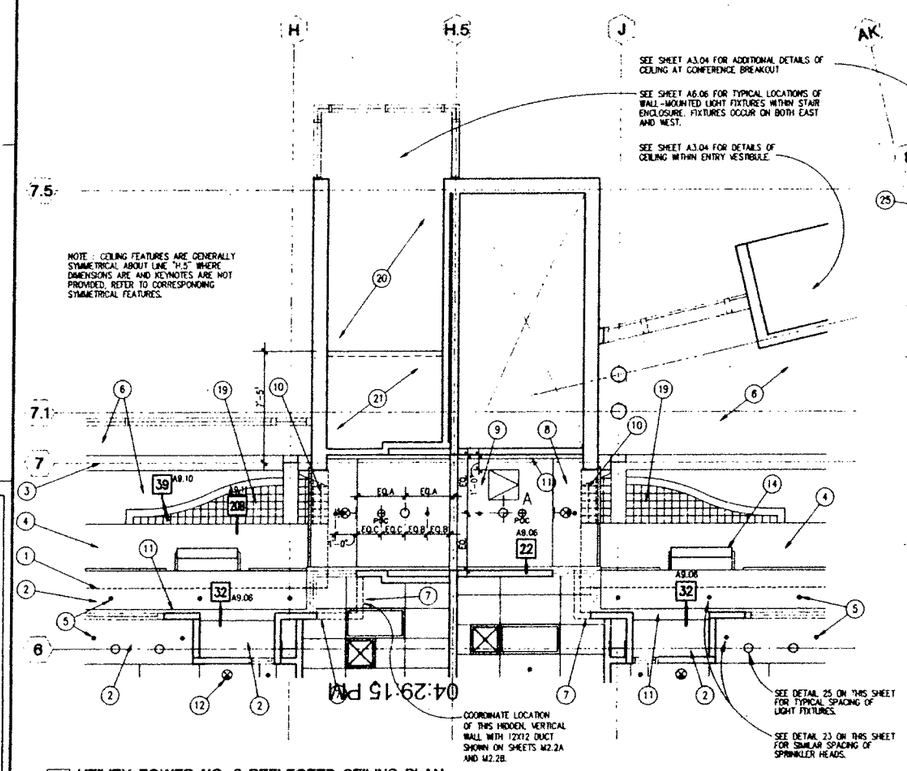


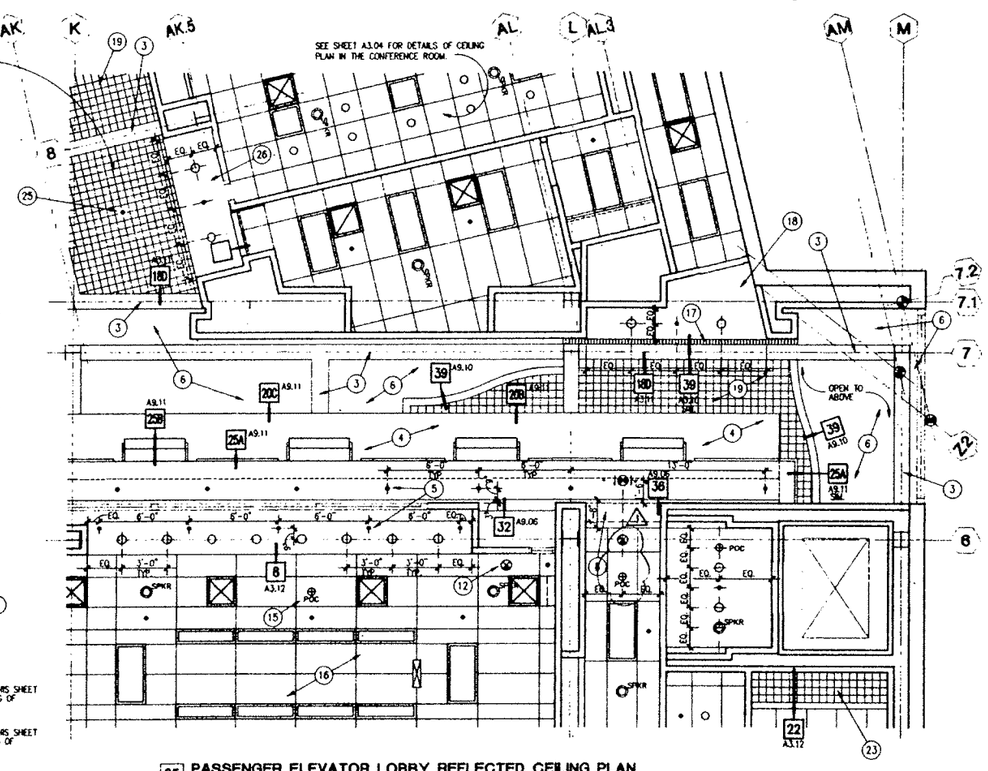
38 UTILITY TOWER NO. 1 REFLECTED CEILING PLAN
SCALE: 1/4" = 1' - 0"



23 UTILITY TOWER NO. 2 REFLECTED CEILING PLAN
SCALE: 1/4" = 1' - 0"



40 UTILITY TOWER NO. 3 REFLECTED CEILING PLAN
SCALE: 1/4" = 1' - 0"



25 PASSENGER ELEVATOR LOBBY REFLECTED CEILING PLAN
SCALE: 1/4" = 1' - 0"

SHEET NOTES

1. IT IS THE PURPOSE OF THIS DRAWING TO COORDINATE ALL CEILING ITEMS OF ALL TRADES. LOCATIONS SHOWN ON OTHER DRAWINGS ARE SCHEMATIC, UNLESS OTHERWISE NOTED. THIS DRAWING TAKES PRECEDENCE FOR EXACT LOCATIONS OF ALL ITEMS.

   LOCATION FIXTURES, REGISTERS, AND OTHER CEILING ITEMS AS DIMENSIONED ON THIS SHEET AND THE REFERENCED ARCHITECTURAL DETAILS. WHERE NOT SHOWN OR DIMENSIONED BY THE ARCHITECT, LOCATE
   A. AS SHOWN OR DIMENSIONED ON THE LABORATORY DRAWINGS.
   B. IF NOT INDICATED ON THE LABORATORY DRAWINGS, AT APPROXIMATE LOCATIONS SHOWN ON THE M/E/P DRAWINGS.
2. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS AND SPECIFICATIONS FOR THE DESIGN OF SYSTEMS SHOWN ON THIS SHEET. LOCATE DUCTS, PIPES, CONDUITS, CABLE TRAYS, ETC. ENTIRELY WITHIN THE APPROPRIATE BUILDINGS SYSTEMS AS SHOWN ON THE ARCHITECTURAL PLANS, SECTIONS, AND DETAILS.
3. FOR ADDITIONAL INFORMATION REGARDING CEILING AND HEADER HEIGHTS, SEE FLOOR PLANS, INTERIOR ELEVATIONS, AND BUILDING/WALL SECTIONS.
4. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND LOCATIONS OF ALL PLUMBING, FIRE SPRINKLER LINES, DUCTS, CONDUITS, STRUCTURAL ELEMENTS, AND OTHER APPLICABLE ITEMS. COORDINATE LOCATIONS OF ALL WORK TO ENSURE ADEQUATE CLEARANCES FOR CEILING LAYOUT AS SHOWN. NOTIFY ARCHITECT OF ANY CONFLICTS PRIOR TO COMMENCING CONSTRUCTION. DEVIATIONS FROM LAYOUT SHOWN MUST BE APPROVED IN ADVANCE BY THE ARCHITECT.
5. ACOUSTICAL PANEL/TILE CEILINGS: ALL HVAC REGISTERS AND FLUORESCENT FIXTURES OCCUR WITHIN CEILING GRID LINES. LOCATE OTHER CEILING ELEMENTS WITHIN CEILING GRID AS SHOWN BY TYPICAL CEILING LAYOUT DIMENSION RULES ON SHEET A3.08.
6. CAUTION: NOT ALL FIRE-RATED HORIZONTAL DUCT AND PIPE ENCLOSURES ARE NECESSARILY SHOWN HERE. REFER TO BUILDING/WALL SECTIONS, INTERIOR ELEVATIONS, AND M/E/P DRAWINGS FOR ADDITIONAL ELEMENTS REQUIRING FIRE-RATED ENCLOSURES.
7. WHERE FLOORS ARE SLOPED TO DRAIN, MEASURE CEILING HEIGHT FROM INDICATED HIGH POINT AT PERIMETER.
8. FOR ADDITIONAL TYPICAL NOTES APPLICABLE TO THIS SHEET, SEE "GENERAL NOTES" ON SHEET A0.01

KEY NOTES

1. LINE OF VERTICAL FACE OF G.F.R.G. VAULT HIDDEN ABOVE SOFFIT. SEE SECTION "D" ON SHEET A6.03 FOR ADDITIONAL INFORMATION REGARDING VAULT AND SOFFIT DIMENSIONS.
2. PAINTED, SUSPENDED GYP. BD. SOFFIT AT 8'-0" A.F.F.
3. PAINT EXPOSED STRUCTURAL STEEL BEAMS, BRACES, AND COLUMNS.
4. GLASS-FIBRE REINFORCED GYPSUM (G.F.R.G.) VAULT. SEE SECTION "D" ON SHEET A6.03 FOR ADDITIONAL INFORMATION REGARDING VAULT DIMENSIONS.
5. CLOSELY SPACED, RAPID-RESPONSE SPRINKLER HEADS ON EACH SIDE OF LABORATORY WINDOW. SEE INTERIOR ELEVATIONS FOR INFORMATION REGARDING WINDOW SIZE, GLAZING TYPE, AND GLAZING TYPE ALTERNATES.
6. OPEN TO ABOVE - SEE SECTIONS ON SHEETS A6.03, A6.04, A6.07, AND A6.08 FOR ADDITIONAL INFORMATION.
7. LINE OF ONE-HOUR FIRE-RATED WALL AND CEILING HIDDEN ABOVE INDICATED FINISH CEILING. FOR ADDITIONAL INFORMATION, SEE SECTION "C" ON SHEET A6.01.
8. PAINTED, SUSPENDED GYP. BD. CEILING AT 7'-7 1/2" A.F.F. - FOR ADDITIONAL INFORMATION, SEE SECTION "BB" ON SHEET A6.16 AND SECTION "CC" ON SHEET A6.17.
9. PAINTED, SUSPENDED GYP. BD. CEILING AT 9'-0" A.F.F. AT SOME LOCATIONS. FINISH CEILING IS A COMPONENT OF A ONE-HOUR FIRE RATED HORIZONTAL DUCT ENCLOSURE. FOR ADDITIONAL INFORMATION, SEE SECTION "AA" ON SHEET A6.15, SECTION "BB" ON SHEET A6.16, AND SECTION "CC" ON SHEET A6.17.
10. G.F.R.G. VAULT AND WOOD GRID CEILING AT 13'-5 1/2" A.F.F. LEVEL EXTENDS ABOVE AND IS HIDDEN BY CEILING AT 9'-0" A.F.F. LEVEL. FOR ADDITIONAL INFORMATION, SEE SECTIONS REFERENCED BY KEYNOTE 9 ABOVE.
11. PAINTED HOLLOW METAL, EXTENDED HORIZONTAL MULLION/ACCENT STRIP CENTERED AT 7'-6" A.F.F. FOR ADDITIONAL DETAIL REFERENCES, SEE INTERIOR ELEVATIONS.
12. CENTER EXIT SIGN ABOVE DOOR OPENING AND 6 INCHES FROM FACE OF WALL ABOVE DOOR HEAD.
13. PAINTED, SUSPENDED GYP. BD. CEILING AT 12'-6" A.F.F.
14. LIGHT FIXTURE WITH CUSTOM MOUNTING BRACKET - FOR SPACING DIMENSIONS, SEE INTERIOR ELEVATIONS.
15. SEE TYPICAL CEILING FEATURE LOCATION DIMENSIONS ON SHEET A3.09 FOR RULES REGARDING LOCATION OF CEILING FEATURES IN ACOUSTICAL CEILING TILE/PANELS.
16. SEE CEILING TILE/PANEL LAYOUT RULES (RULE NO. 3) ON SHEET A3.09 FOR TYPICAL MODULAR, REPETITIVE CEILING GRID DIMENSIONS APPLICABLE TO ALL LABORATORY CEILINGS.
17. SEISMIC JOINT - SEE INDICATED DETAIL.
18. PAINTED, SUSPENDED GYP. BD. SOFFIT AT 7'-4 1/2" ABOVE FINISH FLOOR.
19. WOOD GRID FINISH CEILING IS FLUSH WITH BOTTOM OF EXPOSED STRUCTURAL STEEL BEAMS (APPROX. 13'-5 1/2" A.F.F.). ALL ELEMENTS ABOVE BOTTOM OF WOOD GRID TO BE PAINTED BLACK. FOR ADDITIONAL INFORMATION, SEE WOOD GRID LAYOUT RULES ON SHEET A3.09.
20. PAINT ALL EXPOSED SURFACES OF CONCRETE-FILLED, METAL PAN STAIRS ABOVE.
21. PAINTED, SUSPENDED GYP. BD. CEILING AT 12'-6" A.F.F. EXTENDING TO EDGE OF STAIR LANDING ABOVE AND RETURNING VERTICALLY TO BOTTOM OF STRUCTURE ABOVE.
22. COMPOSITE METAL PANEL (TYPE 2 FOR INTERIOR USE, COLOR NO. 1) SOFFIT AT 7'-8 1/4" A.F.F. (7'-6" TO JOINT CENTERLINE).
23. 1-1/2" BY 1-1/2" BY 1" DEEP ALUMINUM EGG-CRATE PARABOLIC LOUVER WITH STRIP FLUORESCENT LIGHT FIXTURES ABOVE. FOR ADDITIONAL INFORMATION, SEE REFERENCED DETAIL.
24. PENDANT-MOUNTED LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS.
25. SPRINKLER HEAD LOCATED IN OPEN CELL OF WOOD GRID FINISH CEILING (GRID SHOWN BROKEN FOR CLARITY). DIMENSIONS PROVIDED ARE APPROXIMATE AND ACTUAL OPEN CELL LOCATION IN FIELD SHALL GOVERN. DO NOT CUT WOOD GRID. SEE DETAIL ON PERSONNEL GALLERY DETAILS SHEET

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Revisions

No.		Date
1	ADDENDUM NO. 1	5-15-91

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Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

REFLECTED CEILING DETAIL PLANS

Project No.		Sheet No.
19210.01	A	A3.07
Date 15 MAY 1991	ADDENDUM	

DWG. FILE : 00015570 / A3.07 / 30 MAR 91

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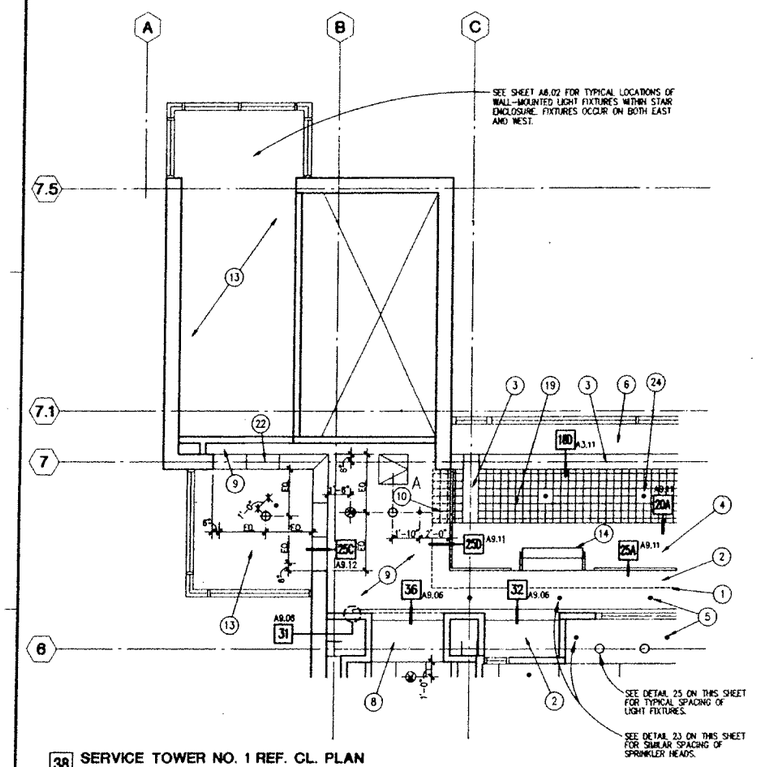
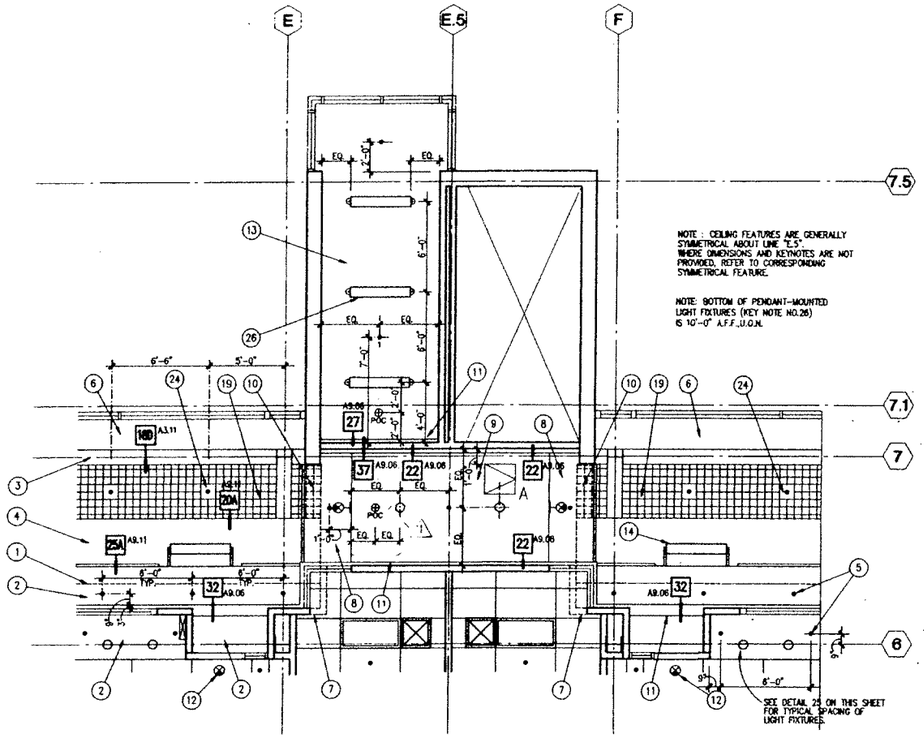
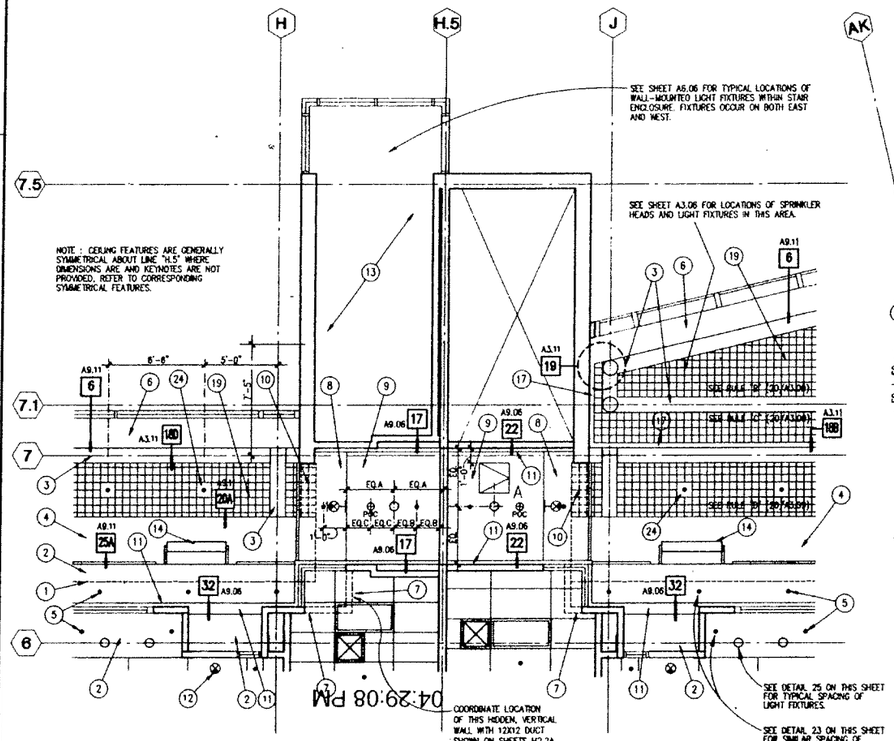


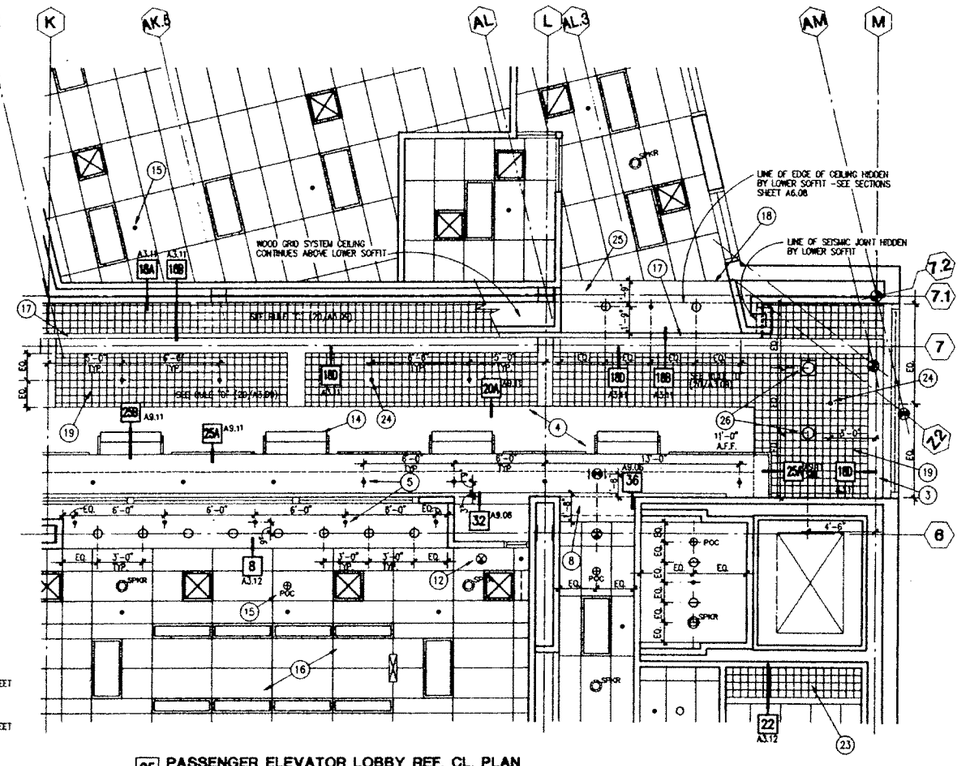
38 SERVICE TOWER NO. 1 REF. CL. PLAN
SCALE: 1/4" = 1' - 0"



23 SERVICE TOWER NO. 2 REF. CL. PLAN
SCALE: 1/4" = 1' - 0"



40 SERVICE TOWER NO. 3 REF. CL. PLAN
SCALE: 1/4" = 1' - 0"



25 PASSENGER ELEVATOR LOBBY REF. CL. PLAN
SCALE: 1/4" = 1' - 0"

SHEET NOTES

1. IT IS THE PURPOSE OF THIS DRAWING TO COORDINATE ALL CEILING ITEMS OF ALL TRADES. LOCATIONS SHOWN ON OTHER DRAWINGS ARE SCHEMATIC UNLESS OTHERWISE NOTED. THIS DRAWING TAKES PRECEDENCE FOR EXACT LOCATIONS OF ALL ITEMS

   LOCATION FIXTURES, REGISTERS, AND OTHER CEILING ITEMS AS DIMENSIONED ON THIS SHEET AND THE REFERENCED ARCHITECTURAL DETAILS. WHERE NOT SHOWN OR DIMENSIONED BY THE ARCHITECT, LOCATE
   A. AS SHOWN OR DIMENSIONED ON THE LABORATORY DRAWINGS.
   B. IF NOT INDICATED ON THE LABORATORY DRAWINGS, AT APPROXIMATE LOCATIONS SHOWN ON THE M/E/P DRAWINGS
2. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS AND SPECIFICATIONS FOR THE DESIGN OF SYSTEMS SHOWN ON THIS SHEET. LOCATE DUCTS, PIPES, CONDUITS, CABLE TRAYS, ETC. ENTIRELY WITHIN THE APPROPRIATE BUILDINGS SYSTEMS AS SHOWN ON THE ARCHITECTURAL PLANS, SECTIONS, AND DETAILS
3. FOR ADDITIONAL INFORMATION REGARDING CEILING AND HEADER HEIGHTS, SEE FLOOR PLANS, INTERIOR ELEVATIONS, AND BUILDING/WALL SECTIONS
4. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND LOCATIONS OF ALL PLUMBING, FIRE SPRINKLER LINES, DUCTS, CONDUITS, STRUCTURAL ELEMENTS AND OTHER APPLICABLE ITEMS. COORDINATE LOCATIONS OF ALL WORK TO ENSURE ADEQUATE CLEARANCES FOR CEILING LAYOUT AS SHOWN. NOTIFY ARCHITECT OF ANY CONFLICTS PRIOR TO COMMENCING CONSTRUCTIONS. DEVIATIONS FROM LAYOUT SHOWN MUST BE APPROVED IN ADVANCE BY THE ARCHITECT.
5. ACOUSTICAL PANEL/TILE CEILINGS. ALL HVAC REGISTERS AND FLUORESCENT FIXTURES OCCUR WITHIN CEILING GRID LINES. LOCATE OTHER CEILING ELEMENTS WITHIN CEILING GRID AS SHOWN BY TYPICAL CEILING LAYOUT DIMENSION RULES ON SHEET A3.08.
6. CAUTION: NOT ALL FIRE-RATED HORIZONTAL DUCT AND PIPE ENCLOSURES ARE NECESSARILY SHOWN HERE. REFER TO BUILDING/WALL SECTIONS, INTERIOR ELEVATIONS, AND M/E/P DRAWINGS FOR ADDITIONAL ELEMENTS REQUIRING FIRE-RATED ENCLOSURES
7. WHERE FLOORS ARE SLOPED TO DRAIN, MEASURE CEILING HEIGHT FROM INDICATED HIGH POINT AT PERIMETER
8. FOR ADDITIONAL TYPICAL NOTES APPLICABLE TO THIS SHEET, SEE "GENERAL NOTES" ON SHEET A0.01.

KEY NOTES

1. LINE OF VERTICAL FAÇE OF G.F.R.G. VAULT HIDDEN ABOVE SOFFIT. SEE SECTION "D" ON SHEET A6.03 FOR ADDITIONAL INFORMATION REGARDING VAULT AND SOFFIT DIMENSIONS.
2. PAINTED, SUSPENDED GYP. BD. SOFFIT AT 8'-0" A.F.F.
3. PAINT EXPOSED STRUCTURAL STEEL BEAMS, BRACES, AND COLUMNS.
4. GLASS-FIBRE REINFORCED GYPSUM (G.F.R.G.) VAULT. SEE SECTION "D" ON SHEET A6.03 FOR ADDITIONAL INFORMATION REGARDING VAULT DIMENSIONS.
5. CLOSELY SPACED, RAPID-RESPONSE SPRINKLER HEADS ON EACH SIDE OF LABORATORY WINDOW. SEE INTERIOR ELEVATIONS FOR INFORMATION REGARDING WINDOW SIZE, GLAZING TYPE, AND ALTERNATE GLAZING TYPE.
6. OPEN TO SLOPED PORTION OF WINDOW WALL ABOVE - SEE SECTIONS ON SHEETS A6.03, A6.04, A6.07, AND A6.08 FOR ADDITIONAL INFORMATION.
7. LINE OF ONE-HOUR FIRE RATED WALL AND CEILING HIDDEN ABOVE INDICATED FINISH CEILING. FOR ADDITIONAL INFORMATION, SEE SECTION "C" ON SHEET A6.01.
8. PAINTED, SUSPENDED GYP. BD. CEILING AT 7'-7 1/2" A.F.F. AT SOME LOCATIONS. FINISH CEILING IS A COMPONENT OF A ONE-HOUR FIRE RATED HORIZONTAL DUCT ENCLOSURE. FOR ADDITIONAL INFORMATION, SEE SECTION "BB" ON SHEET A6.16 AND SECTION "CC" ON SHEET A6.17.
9. PAINTED, SUSPENDED GYP. BD. CEILING AT 9'-0" A.F.F. AT SOME LOCATIONS. FINISH CEILING IS A COMPONENT OF A ONE-HOUR FIRE RATED HORIZONTAL DUCT ENCLOSURE. FOR ADDITIONAL INFORMATION, SEE SECTION "AA" ON SHEET A6.15, SECTION "BB" ON SHEET A6.16, AND SECTION "CC" ON SHEET A6.17.
10. G.F.R.G. VAULT AND WOOD GRID CEILING AT 13'-5 1/2" A.F.F. LEVEL EXTENDS ABOVE AND IS HIDDEN BY CEILING AT 9'-0" A.F.F. LEVEL. FOR ADDITIONAL INFORMATION, SEE SECTIONS REFERENCED BY KEYNOTE 9 ABOVE.
11. PAINTED HOLLOW METAL, EXTENDED HORIZONTAL MULLION/ACCENT STRIP CENTERED AT 7'-6" A.F.F. FOR ADDITIONAL DETAIL REFERENCES, SEE INTERIOR ELEVATIONS.
12. CENTER EXIT SIGN ABOVE DOOR OPENING AND 6 INCHES FROM FACE OF WALL ABOVE DOOR HEAD.
13. PAINTED, SUSPENDED GYP. BD. CEILING AT 12'-6" A.F.F.
14. LIGHT FIXTURE WITH CUSTOM MOUNTING BRACKET - FOR SPACING DIMENSIONS, SEE INTERIOR ELEVATIONS.
15. SEE TYPICAL CEILING FEATURE LOCATION DIMENSIONS ON SHEET A3.09 FOR RULES REGARDING LOCATION OF CEILING FEATURES IN ACOUSTICAL CEILING TILE/PANELS.
16. SEE CEILING TILE/PANEL LAYOUT RULES (RULE NO. 3) ON SHEET A3.09 FOR TYPICAL MODULAR, REPETITIVE CEILING GRID DIMENSIONS APPLICABLE TO ALL LABORATORY CEILINGS.
17. SEISMIC JOINT - SEE INDICATED DETAIL.
18. PAINTED, SUSPENDED GYP. BD. SOFFIT AT 7'-6 1/4" ABOVE FINISH FLOOR.
19. WOOD GRID FINISH CEILING IS FLUSH WITH BOTTOM OF EXPOSED STRUCTURAL STEEL BEAMS (APPROX. 13'-5 1/2" A.F.F.). ALL ELEMENTS ABOVE BOTTOM OF WOOD GRID TO BE PAINTED BLACK. FOR ADDITIONAL INFORMATION, SEE WOOD GRID LAYOUT RULES ON SHEET A3.08.
20. NOT USED.
21. NOT USED.
22. COMPOSITE METAL PANEL (TYPE 2 FOR INTERIOR USE, COLOR NO. 1). SOFFIT AT 7'-6 1/4" A.F.F. (7'-6" TO JOINT CENTERLINE).
23. 1-1/2" BY 1-1/2" BY 1' DEEP ALUMINUM EGG CRATE PARABOLIC LOUVER WITH STRIP FLUORESCENT LIGHT FIXTURES ABOVE. FOR ADDITIONAL INFORMATION, SEE REFERENCED DETAIL.
24. SPRINKLER HEAD LOCATED IN OPEN CELL OF WOOD GRID FINISH CEILING (GRID SHOWN BROKEN FOR CLARITY). DIMENSIONS PROVIDED ARE APPROXIMATE AND ACTUAL OPEN CELL LOCATION IN FIELD SHALL GOVERN. DO NOT CUT WOOD GRID. SEE DETAIL ON PERSONNEL GALLERY DETAILS SHEET.
25. WOOD GRID CEILING AT 13'-5 1/2" A.F.F. LEVEL EXTENDS ABOVE AND IS HIDDEN BY SOFFIT AT 7'-4 1/2" LEVEL AND LOW WALLS EXTENDING TO 9'-0" A.F.F. LEVEL. FOR ADDITIONAL INFORMATION, SEE SECTIONS SHOWN ON SHEET A6.08.
26. PENDANT-MOUNTED LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS.

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Revisions

No.		Date
1	ADDENDUM NO. 1	5-15-91

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Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

REFLECTED CEILING DETAIL PLANS

Project No.		Drawing No.
19210.01	A	A3.08
Date 15 MAY 1991	ADDENDUM	

DWG. FILE : 000255Y0 / A3.08 / 30 MAR 91

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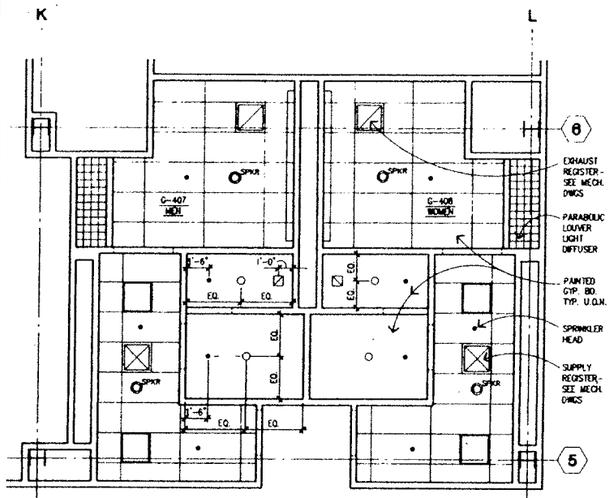
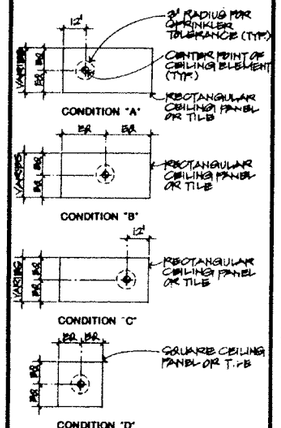


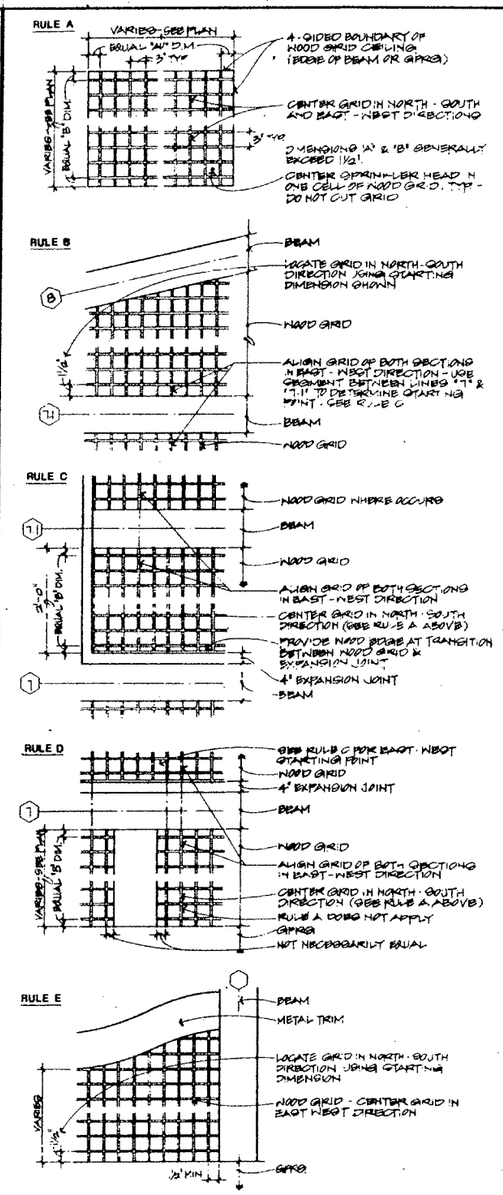
37 REFLECTED CEILING PLAN - GROUND LEVEL TOILET/SHOWER ROOMS
1/4" = 1'-0"



RULE NOTES

1. CEILING ELEMENTS INCLUDING - BUT NOT LIMITED TO - SPRINKLERS, SMOKE DETECTORS, SPEAKERS, LIGHT FIXTURES, ETC. SHALL OCCUR ONLY AT LOCATIONS INDICATED BY RULES SHOWN ABOVE. REFER TO REFLECTED CEILING PLANS FOR OVERALL CONFIGURATION OF ELEMENTS.
2. CONDITIONS "A", "B", AND "C" APPLY TO ALL RECTANGULAR CEILING PANELS OR TILES. FOR PURPOSES OF THESE RULES, RECTANGULAR IS DEFINED AS PANELS/TILES HAVING A LENGTH TO WIDTH RATIO OF 6 TO 4 OR GREATER.
3. CONDITION "D" APPLIES TO ALL SQUARE OR NEARLY SQUARE CEILING PANELS OR TILES. FOR PURPOSES OF THESE RULES, SQUARE OR NEARLY SQUARE IS DEFINED AS PANELS/TILES HAVING A LENGTH TO WIDTH RATIO OF LESS THAN 6 TO 4.
4. TOLERANCES: FOR ALL ITEMS EXCEPT SPRINKLER HEADS, LOCATE THE CENTER OF THE CEILING ELEMENT WITHIN 1/4 INCH OF THE DIMENSIONS SHOWN. FOR SPRINKLER HEADS, LOCATE THE CENTER OF THE HEAD WITHIN THE TOLERANCE RADIUS SHOWN. SEE BOOK OF SPECIFICATIONS FOR ADDITIONAL INFORMATION REGARDING SPRINKLER HEAD LOCATIONS AND TOLERANCES WHICH MAY APPLY.

25 TYPICAL CEILING FEATURE LOCATION DIMENSIONS



RULE NOTES

RULE A:

WHERE USED:

RULE "A" IS TO BE USED TO LAY OUT WOOD GRID CEILINGS AT ALL LAB LEVEL TWO APPLICATIONS WEST OF LINE "H.5".

SUMMARY:

SEE DRAWING ABOVE FOR ILLUSTRATION OF RULE "A". CENTER WOOD GRID IN BOTH NORTH-SOUTH AND EAST-WEST DIRECTIONS. SOLIDS AND VOIDS OF GRID SHOULD ALIGN EAST TO WEST ACROSS EACH BAY BETWEEN LINE "C" AND LINE "H".

RULE B:

WHERE USED:

RULE "B" IS TO BE USED TO LAY OUT THE WOOD GRID CEILING BETWEEN LINES "7.1" AND "B" AND LINES "J" AND "K" AT THE LAB LEVEL TWO CEILING.

SUMMARY:

SEE DRAWING ABOVE FOR ILLUSTRATION OF RULE "B". LOCATE WOOD GRID IN NORTH-SOUTH DIRECTION USING STARTING DIMENSION SHOWN. TO LOCATE IN EAST-WEST DIRECTION, REFER FIRST TO RULE "C" BELOW. THEN ALIGN SOLIDS AND VOIDS OF THE WOOD GRID GOVERNED BY RULE "B" WITH THOSE OF THE GRID GOVERNED BY RULE "C".

RULE C:

WHERE USED:

RULE "C" IS TO BE USED TO LAY OUT THE WOOD GRID CEILING BETWEEN LINES "7" AND "7.1" AND LINES "J" AND "M" AT THE LAB LEVEL TWO CEILING.

SUMMARY:

SEE DRAWING ABOVE FOR ILLUSTRATION OF RULE "C". RULE "C" IS USED TO DETERMINE THE EAST-WEST ALIGNMENT OF SOLIDS AND VOIDS FOR ALL PORTIONS OF THE LAB LEVEL TWO WOOD GRID CEILING WHICH ARE EAST OF LINE "H.5". (SEE ALSO RULES "B" AND "D"). LOCATE WOOD GRID IN EAST-WEST DIRECTION USING STARTING POINT AT 4 INCH SEISMIC JOINT PARALLEL TO LINE "J". LOCATE WOOD GRID IN NORTH-SOUTH DIRECTION USING STARTING POINT AT 4 INCH SEISMIC JOINT PARALLAL TO LINE "7" (SEE SEISMIC JOINT DETAILS ON SHEET A3.11).

RULE D:

WHERE USED:

RULE "D" IS TO BE USED TO LAY OUT THE WOOD GRID CEILING SOUTH OF LINE "7" AND EAST OF LINE "H.5" AT THE LAB LEVEL TWO CEILING.

SUMMARY:

SEE DRAWING ABOVE FOR ILLUSTRATION OF RULE "D". CENTER WOOD GRID AS SHOWN IN NORTH-SOUTH DIRECTION. TO LOCATE IN EAST-WEST DIRECTION, REFER FIRST TO RULE "C" ABOVE. THEN ALIGN SOLIDS AND VOIDS OF THE WOOD GRID GOVERNED BY RULE "D" WITH THOSE OF THE GRID GOVERNED BY RULE "C".

RULE E:

WHERE USED:

RULE "E" IS TO BE USED TO LAY OUT ALL WOOD GRID CEILINGS AT LAB LEVEL ONE EXCEPT THAT CEILING NORTH OF LINE "7.1" AND EAST OF LINE "AK".

SUMMARY:

SEE DRAWING ABOVE FOR ILLUSTRATION OF RULE "E". LOCATE WOOD GRID IN BOTH NORTH-SOUTH AND EAST-WEST DIRECTIONS USING THE STARTING POINTS SHOWN ABOVE.

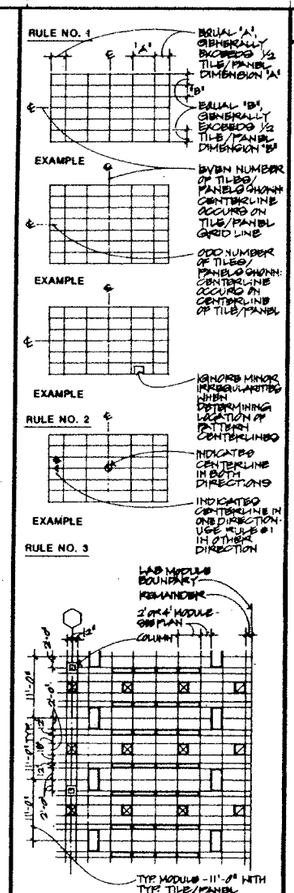
SPRINKLER HEAD LOCATIONS:

LOCATE SPRINKLER HEADS ENTIRELY WITHIN OPEN CELL OF WOOD GRID CEILING. DO NOT CUT WOOD GRID.

DIMENSIONS SHOWN ON THE REFLECTED CEILING PLANS ARE APPROXIMATE, AND ACTUAL OPEN CELL LOCATION IN THE FIELD SHALL GOVERN.

LOCATE SPRINKLER HEAD WITHIN OPEN CELL WHICH MOST CLOSELY CONFORMS TO PROVIDED DIMENSIONS. LOCATE HEADS CONSISTENTLY THROUGHOUT - HEADS SHOULD ALIGN VISUALLY BY LOCATING ALL HEADS VISIBLE FROM ANY GIVEN LOCATION WITHIN THE SAME ROW AND/OR COLUMN OF OPEN CELLS.

20 WOOD GRID CEILING LAYOUT RULES



CEILING TILE/PANEL LAYOUT RULES

CAREFUL ADHERENCE TO THE CEILING LAYOUT AS SHOWN IS REQUIRED IN ORDER TO ACHIEVE THE DESIRED INTEGRATION OF LIGHTING SYSTEMS, MECHANICAL SYSTEMS, AND LABORATORY EQUIPMENT LAYOUTS.

THE CONTRACTOR SHALL REVIEW PRIOR TO COMMENCING CONSTRUCTION AND THEREAFTER COORDINATE THE INSTALLATION OF ALL CEILING AND ABOVE-CEILING SYSTEMS INCLUDING STRUCTURAL ELEMENTS, MECHANICAL AND PIPING SYSTEMS, ELECTRICAL CONDUITS, SPRINKLERS, ETC. IN ORDER TO ENSURE ADEQUATE CLEARANCES FOR THE CEILING LAYOUT AS SHOWN. NOTIFY THE ARCHITECT OF ANY CONFLICTS PRIOR TO COMMENCING CONSTRUCTION. DEVIATIONS FROM THE CEILING LAYOUT AS SHOWN MUST BE APPROVED IN ADVANCE BY THE ARCHITECT.

RULE NO. 1: REGULAR SPACES.

CENTERLINE OF CEILING PATTERN IN EACH DIRECTION OCCURS ON CENTERLINE OF CORRESPONDING PERIMETER WALL. IGNORE MINOR VARIATIONS SUCH AS COLUMN PILASTERS WHEN ESTABLISHING THE LENGTH OF THE PERIMETER WALL. CENTERLINES ARE NOT SHOWN ON THE DRAWINGS FOR SPACES FOR WHICH RULE NO. 1 APPLIES.

CENTERLINE OF PATTERN ALWAYS OCCURS ON EITHER TILE/PANEL GRID LINE (EVEN NUMBER OF TILES/PANELS) OR TILE/PANEL CENTERLINE (ODD NUMBER OF TILES/PANELS). SEE REFLECTED CEILING PLAN TO DETERMINE WHICH CONDITION APPLIES.

GENERALLY, PATTERN IS CENTERED SO THAT EACH DIMENSION OF PERIMETER TILE/PANEL EQUALS OR EXCEEDS 1/2 CORRESPONDING DIMENSION OF FULL TILE/PANEL. HOWEVER, EXCEPTIONS TO THIS RULE MAY OCCUR. SEE REFLECTED CEILING PLAN TO DETERMINE WHICH CONDITION APPLIES.

SEE ILLUSTRATIONS FOR EXAMPLES OF RULE NO. 1.

RULE NO. 2: IRREGULAR SPACES.

WHERE CENTERLINE IN ONE OR BOTH DIRECTIONS CANNOT BE DETERMINED DUE TO THE IRREGULAR CONFIGURATION OF THE SPACE, A CENTERLINE INDICATION HAS BEEN PROVIDED ON THE REFLECTED CEILING PLAN. IF NO CENTERLINE IS INDICATED, RULE NO. 1 CAN BE APPLIED.

CENTERLINE OF PATTERN ALWAYS OCCURS ON EITHER TILE/PANEL GRID LINE (EVEN NUMBER OF TILES/PANELS) OR TILE/PANEL CENTERLINE (ODD NUMBER OF TILES/PANELS). SEE REFLECTED CEILING PLAN TO DETERMINE WHICH CONDITION APPLIES.

GENERALLY, PATTERN IS CENTERED SO THAT EACH DIMENSION OF PERIMETER TILE/PANEL EQUALS OR EXCEEDS 1/2 CORRESPONDING DIMENSION OF FULL TILE/PANEL. HOWEVER, EXCEPTIONS TO THIS RULE MAY OCCUR. SEE REFLECTED CEILING PLAN TO DETERMINE WHICH CONDITION APPLIES.

SEE ILLUSTRATIONS FOR EXAMPLES OF RULE NO. 2.

RULE NO. 3: LABORATORY MODULE SYSTEM

TILE/PANEL GRID LINES ALWAYS OCCUR ON INDICATED DIMENSION POINTS WHICH REPEAT WITH EACH LABORATORY MODULE. SEE ILLUSTRATIONS FOR EXAMPLES OF MODULAR DIMENSIONS.

PATTERN IS ESTABLISHED WITHOUT REGARD TO MINIMUM TILE/PANEL DIMENSIONS AT PERIMETER. LOCATE PANELS AS SHOWN ON REFLECTED CEILING PLANS USING MODULAR DIMENSIONS.

10 CEILING TILE/PANEL LAYOUT RULES

SHEET NOTES

1. IT IS THE PURPOSE OF THE VARIOUS REFLECTED CEILING PLAN DRAWINGS AND THIS SHEET TO COORDINATE ALL CEILING ITEMS OF ALL TRADES. LOCATIONS SHOWN ON OTHER DRAWINGS ARE SCHEMATIC, UNLESS OTHERWISE NOTED. THIS DRAWING TAKES PRECEDENCE FOR EXACT LOCATIONS OF ALL ITEMS.

   LOCATION FIXTURES, REGISTERS, AND OTHER CEILING ITEMS AS DIMENSIONED ON THIS SHEET AND THE REFERENCED ARCHITECTURAL DETAILS. WHERE NOT SHOWN OR DIMENSIONED BY THE ARCHITECT, LOCATE:

   A. AS SHOWN OR DIMENSIONED ON THE LABORATORY DRAWINGS.
   B. IF NOT INDICATED ON THE LABORATORY DRAWINGS, AT APPROXIMATE LOCATIONS SHOWN ON THE M/E/P DRAWINGS.
2. CAREFUL ADHERENCE TO THE CEILING LAYOUT AS SHOWN IS REQUIRED IN ORDER TO ACHIEVE THE DESIRED INTEGRATION OF LIGHTING SYSTEMS, ORGANIZED MECHANICAL SYSTEMS, AND LABORATORY EQUIPMENT LAYOUTS.

   THE CONTRACTOR SHALL REVIEW PRIOR TO COMMENCING CONSTRUCTION AND THEREAFTER COORDINATE THE INSTALLATION OF ALL CEILING AND ABOVE-THE-CEILING SYSTEMS INCLUDING STRUCTURAL ELEMENTS, MECHANICAL AND PIPING SYSTEMS, ELECTRICAL CONDUITS, SPRINKLERS, ETC. IN ORDER TO ENSURE ADEQUATE CLEARANCES FOR THE CEILING LAYOUT AS SHOWN.

   THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY CONFLICTS PRIOR TO COMMENCING CONSTRUCTION. DEVIATIONS OR VARIATIONS FROM THE LAYOUTS SHOWN AND THE RULES PROVIDED MUST BE APPROVED IN ADVANCE BY THE ARCHITECT.
3. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS AND SPECIFICATIONS FOR THE DESIGN OF SYSTEMS SHOWN ON THIS SHEET.

   LOCATE DUCTS, PIPES, CONDUITS, CABLE TRAYS, ETC. ENTIRELY WITHIN THE APPROPRIATE ORGANIZED BUILDINGS SYSTEMS AS SHOWN ON THE ARCHITECTURAL PLANS, SECTIONS, AND DETAILS. REFER TO THE PARTIAL BUILDING SECTIONS SHOWN ON SHEETS A6.01 THRU A6.20 AND THE BUILDING SYSTEMS SECTIONS ON SHEET A8.21 FOR ADDITIONAL INFORMATION.
4. REFER TO THE APPLICABLE TYPICAL RULES SHOWN ON THIS SHEET FOR ADDITIONAL INFORMATION REGARDING THE LAYOUT AND DIMENSIONING OF THE VARIOUS MODULAR CEILING SYSTEMS AND CEILING FEATURES SHOWN ON SHEETS A3.01 THRU A3.08.
5. VERIFY ALL DIMENSIONS AND LOCATIONS OF ALL PLUMBING, FIRE SPRINKLER LINES, DUCTS, CONDUITS, STRUCTURAL ELEMENTS, AND OTHER APPLICABLE ITEMS. COORDINATE LOCATIONS OF ALL WORK TO ENSURE ADEQUATE CLEARANCES FOR CEILING LAYOUT AS SHOWN. NOTIFY ARCHITECT OF ANY CONFLICTS PRIOR TO COMMENCING CONSTRUCTIONS. DEVIATIONS FROM LAYOUT SHOWN MUST BE APPROVED IN ADVANCE BY THE ARCHITECT.
6. FOR ADDITIONAL INFORMATION REGARDING CEILING AND HEADER HEIGHTS, SEE FLOOR PLANS, INTERIOR ELEVATIONS, AND PARTIAL BUILDING/WALL SECTIONS.
7. WHERE FLOORS ARE SLOPED TO DRAIN, MEASURE CEILING HEIGHT FROM INDICATED HIGH POINT AT PERIMETER.
8. FOR ADDITIONAL TYPICAL NOTES APPLICABLE TO THIS SHEET, SEE "GENERAL NOTES" ON SHEET A0.01.

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Laboratory Electrical Engineer

Revisions

No.		Date

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

REFLECTED CEILING LAYOUT RULES AND DETAILS

Project No.		Drawing No.
19210.01	B	A3.09
Date 01 APR. 1991	BIDDING	

PROJECT NO. 19210.01

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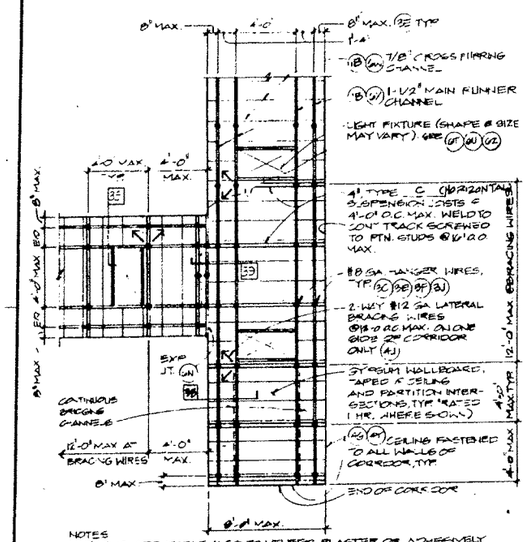
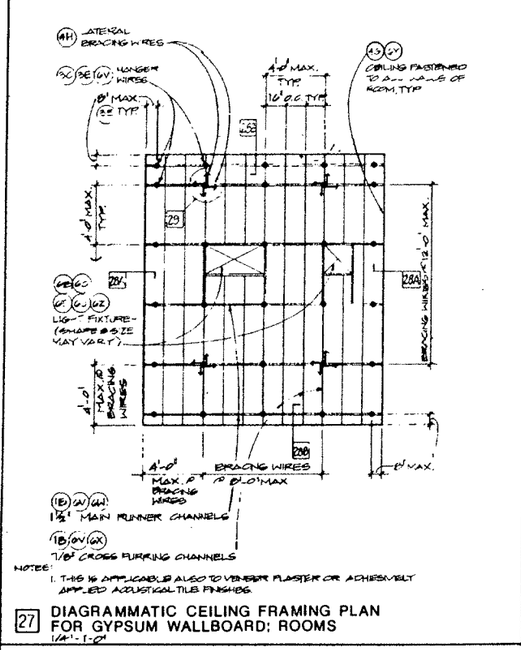
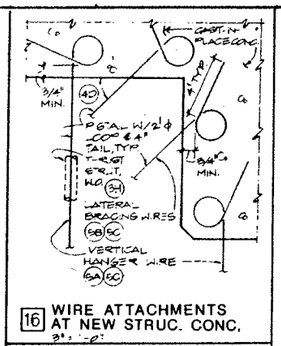


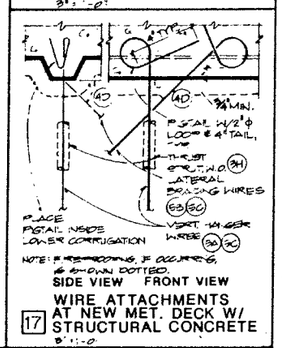
37 DIAGRAMMATIC CEILING FRAMING PLAN FOR GYPSUM WALLBOARD: CORRIDORS



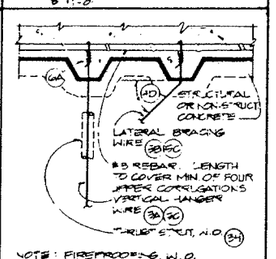
27 DIAGRAMMATIC CEILING FRAMING PLAN FOR GYPSUM WALLBOARD: ROOMS



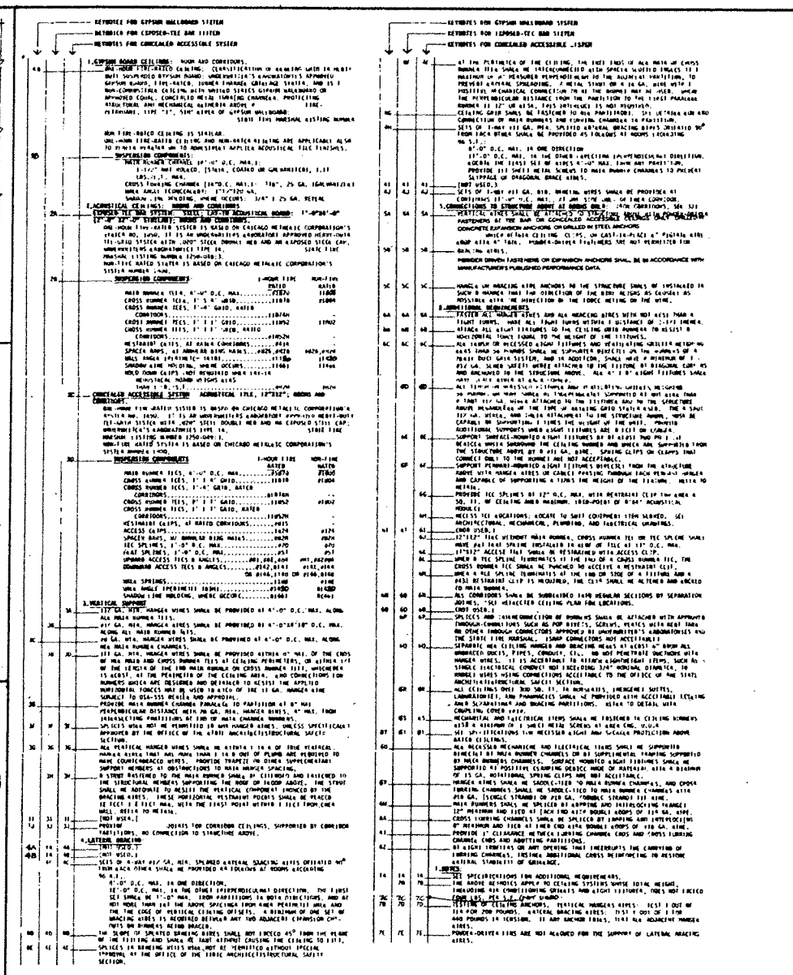
16 WIRE ATTACHMENTS AT NEW STRUC. CONC.



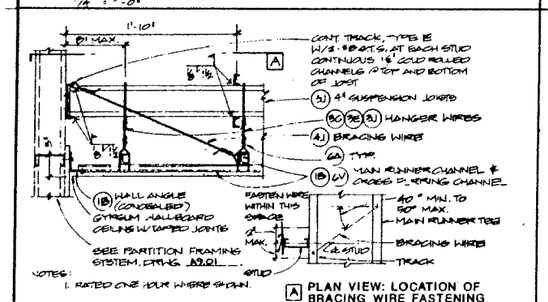
17 WIRE ATTACHMENTS AT NEW MET. DECK W/ STRUCTURAL CONCRETE



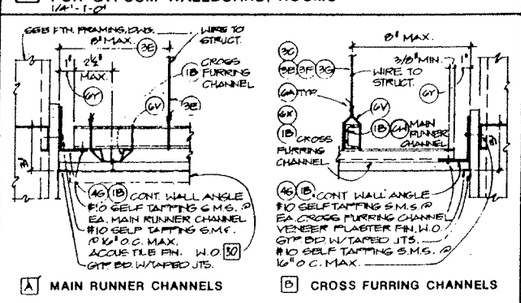
18 WIRE ATTACHMENTS AT NEW MET. DECK WITH STRUCTURAL OR NON-STRUC. CONCRETE



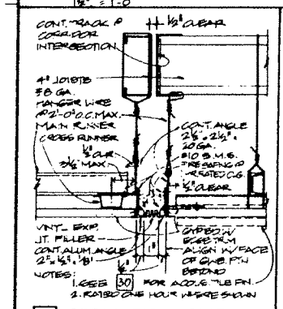
13 KEYNOTES AND GENERAL REQUIREMENTS



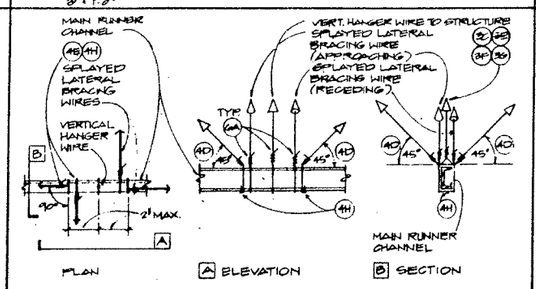
38 CEILING FRAMING DETAIL: CORRIDORS



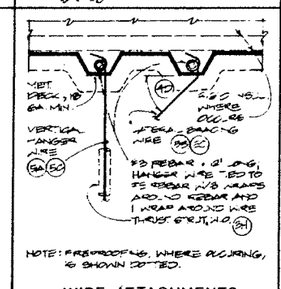
28 CEILING FRAMING DETAILS: ROOMS



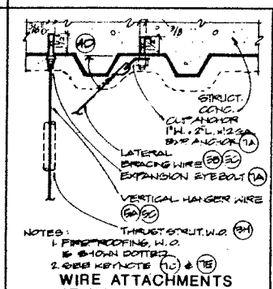
39 SEPARATION JOINT



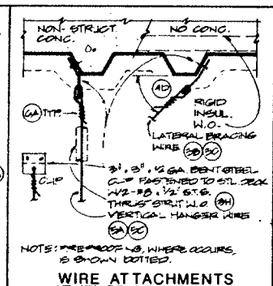
29 HANGER AND BRACING WIRES



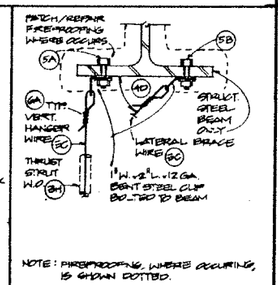
19 WIRE ATTACHMENTS AT (E) OR (N) METAL DECK W/O CONC.



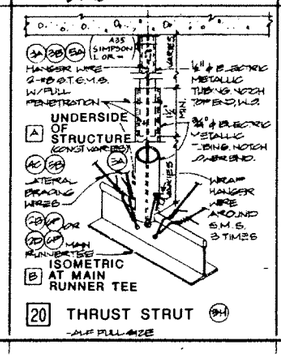
14 WIRE ATTACHMENTS AT (E) OR (N) METAL DECK WITH STRUCTURAL CONCRETE



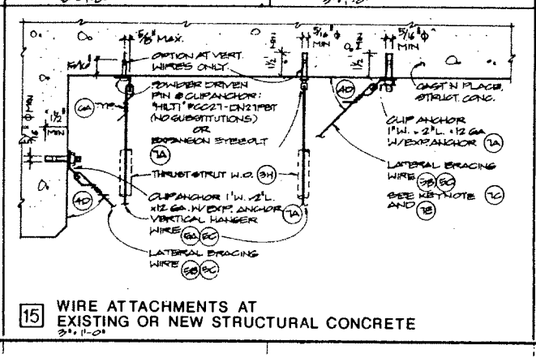
9 WIRE ATTACHMENTS AT (E) OR (N) METAL DECK W/NON-STRUC. CONCRETE OR W/NO CONCRETE



4 WIRE ATTACHMENTS AT (E) OR (N) STRUCT. STEEL MEMBERS



20 THRUST STRUT



15 WIRE ATTACHMENTS AT EXISTING OR NEW STRUCTURAL CONCRETE

SEE SHT A3.11 FOR ACOUSTICAL BOARD OR TILE AND WOOD GRID CEILING FRAMING AND DETAILS

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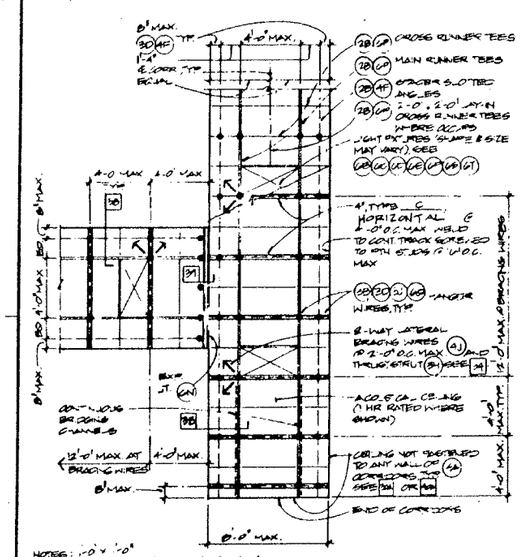
Kaiser Permanente Medical Care Program
Southern California Region

SUSPENDED CEILING FRAMING DETAILS

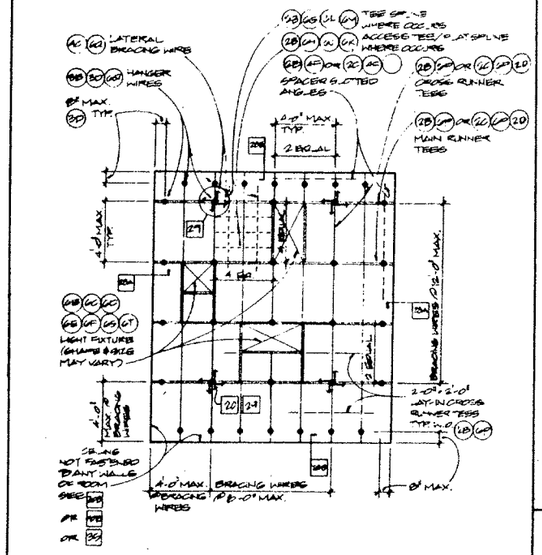
Project No. 19210.01
Date 01 APR. 1991
B BIDDING
Drawing No. A3.10

000601



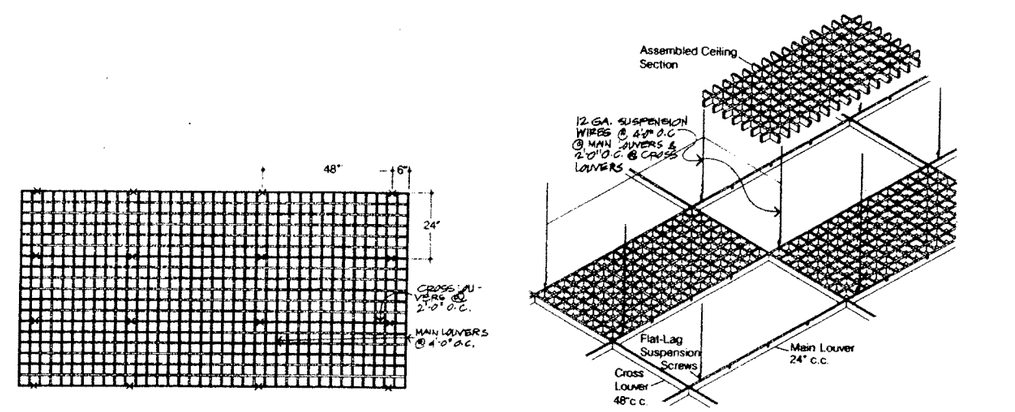
NOTES: 1'-0" x 1'-0"
1. A 2'-0", 2'-0" AND 4'-0", 4'-0" SIMILAR.
2. RATED ONE HOUR WHERE SHOWN.

37 DIAGRAMMATIC CEILING FRAMING PLAN FOR ACOUSTICAL BOARD OR TILE: CORRIDORS
1/4" = 1'-0"



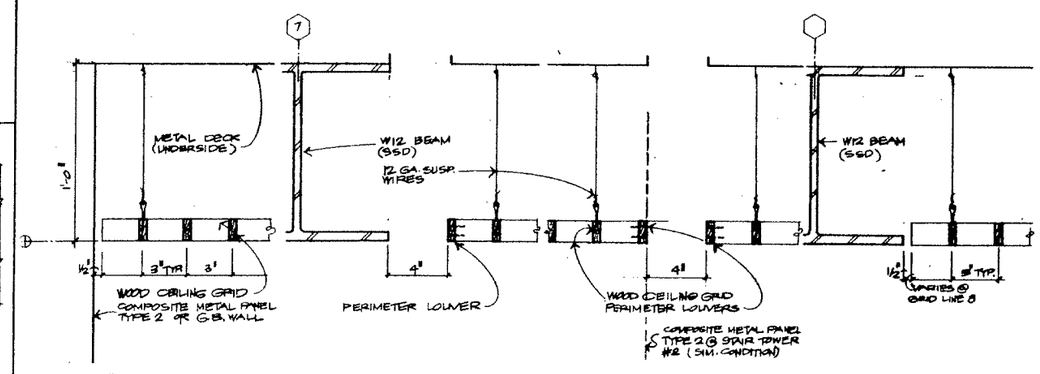
NOTES: 1'-0" x 1'-0"
1. 2'-0", 2'-0" AND 4'-0", 4'-0" SIMILAR.

27 DIAGRAMMATIC CEILING FRAMING PLAN FOR ACOUSTICAL BOARD OR TILE: ROOMS
1/4" = 1'-0"



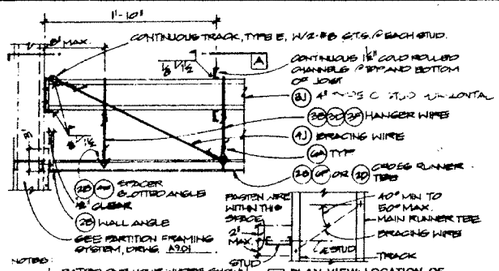
A PLAN
B ISOMETRIC

17 SUSPENSION SUPPORT LAYOUT FOR WOOD GRID CEILING SYSTEM
NTS



A AT WALL
B AT SEPARATION JOINT
C AT SEPARATION JOINT
D AT BEAM

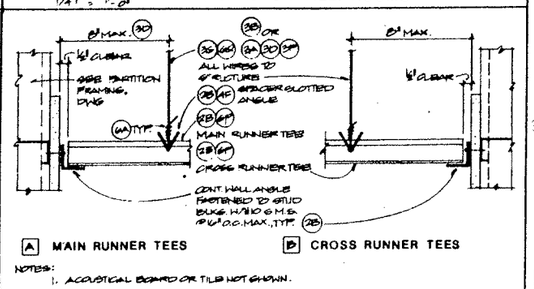
18 PERIMETER CONDITION DETAILS
SECTIONS
3/4" = 1'-0"



NOTES:
1. RATED ONE HOUR WHERE SHOWN.
2. ACOUS. BD. OR TILE NOT SHOWN.

A PLAN VIEW: LOCATION OF BRACING WIRE FASTENING
NO SCALE

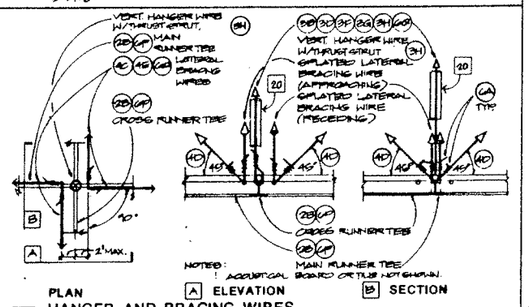
38 CEILING FRAMING DETAIL: CORRIDORS
1/4" = 1'-0"



A MAIN RUNNER TEES
B CROSS RUNNER TEES

NOTES:
1. ACOUSTICAL BOARD OR TILE NOT SHOWN.

28 CEILING FRAMING DETAILS: ROOMS
3/4" = 1'-0"



NOTES:
1. ACOUSTICAL BOARD OR TILE NOT SHOWN.

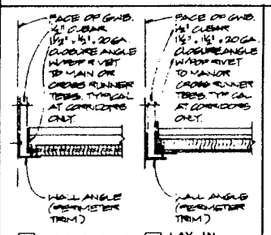
PLAN
A ELEVATION
B SECTION

29 HANGER AND BRACING WIRES
3/4" = 1'-0"

19 WOOD GRID CEILING AT COLUMN LINE J-7.1

SHEET NOTES

1. FOR EXPLANATIONS OF KEY NOTES USED ON THIS SHEET, REFER TO SHEET A3.10.
2. FOR ADDITIONAL INFORMATION REGARDING THE LAYOUT OF ACOUSTICAL PANEL/TILE CEILINGS, REFER TO THE LAYOUT RULES ILLUSTRATED ON SHEET A3.09.



A ACOUS. TILE
B LAY-IN ACOUS. BD.

NOTES:
1. SEE 20 FOR COMPLEMENT INFO.

40 PERIMETER TRIM AT CORRIDORS
3/4" = 1'-0"

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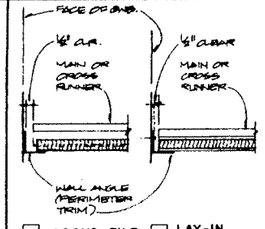
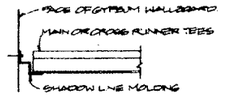


A ACOUS. TILE
B LAY-IN ACOUS. BD.

NOTES:
1. SEE 20 FOR COMPLEMENT INFO.

30 PERIMETER TRIM AT ROOMS
3/4" = 1'-0"



NOTES:
1. SEE 20 FOR COMPLEMENT INFORMATION.
2. ACOUS. BOARD OR TILE NOT SHOWN.

25 SHADOW LINE MOLDING (ROOMS ONLY, W.O.)
3/4" = 1'-0"

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SUSPENDED CEILING FRAMING DETAILS

Project No. 19210.01
Date 01 APR 91
B BIDDING
Drawing No. A3.11

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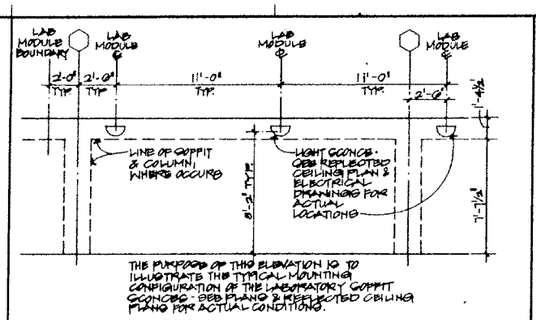
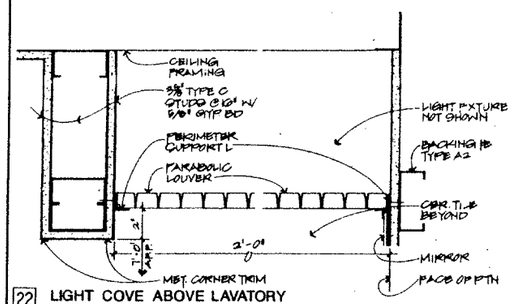
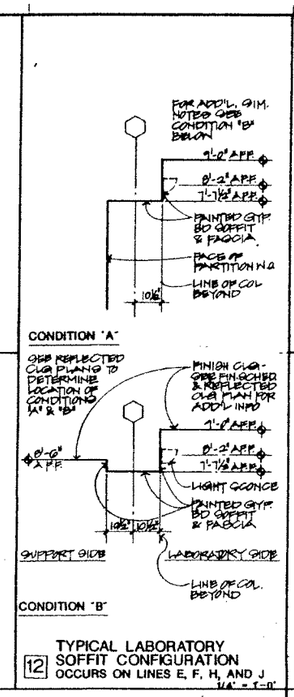


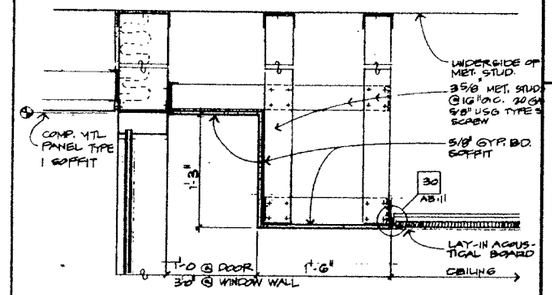
21 LABORATORY SOFFIT SCONCE CONFIGURATION ELEVATION
(LOOKING EAST - WEST SIMILAR EXCEPT REVERSED) 1/4" = 1'-0



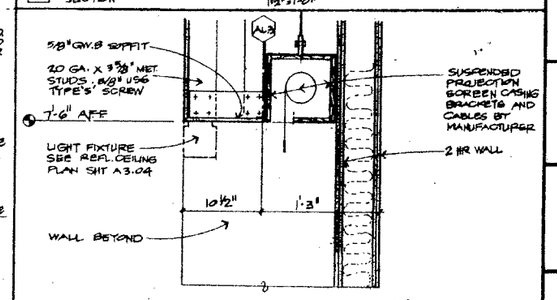
22 LIGHT COVE ABOVE LAVATORY
3" = 1'-0"



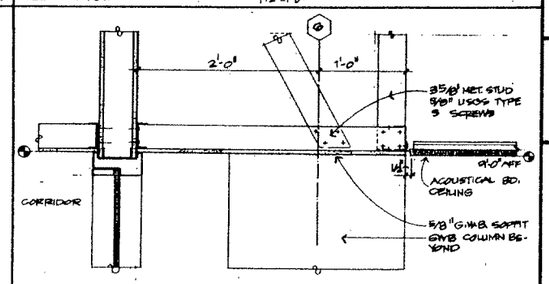
12 TYPICAL LABORATORY SOFFIT CONFIGURATION
OCCURS ON LINES E, F, H, AND J 1/4" = 1'-0"



6 SOFFIT AT CAFETERIA
SECTION



7 SOFFIT AT PROJECTION SCREEN
SECTION 1½" = 1'-0"



8 SOFFIT AT LABORATORY
1½" = 1'-0"

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CEILING DETAILS

Project No.		Drawing No.
19210.01	B BIDDING	A3.12
Date 01 APR 1991		

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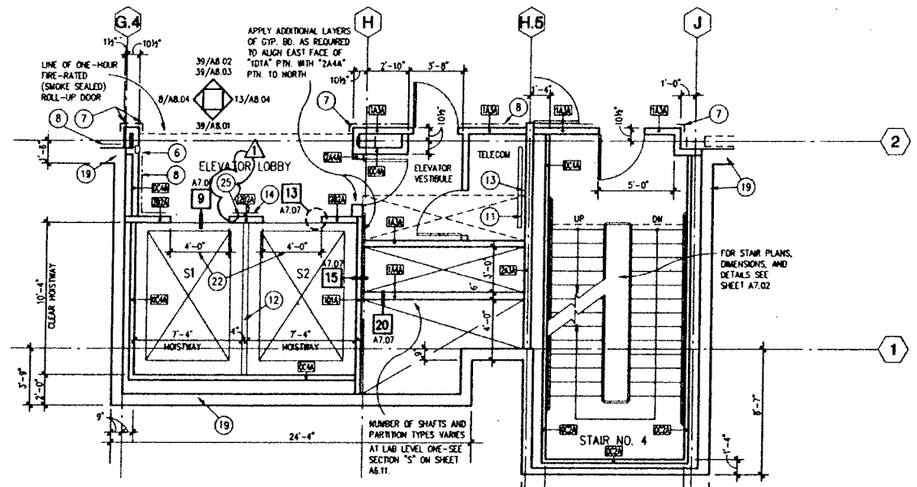
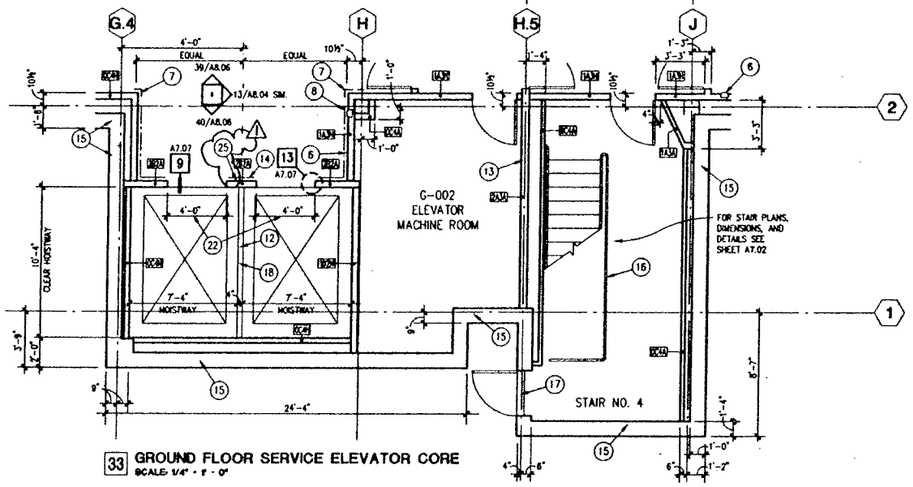
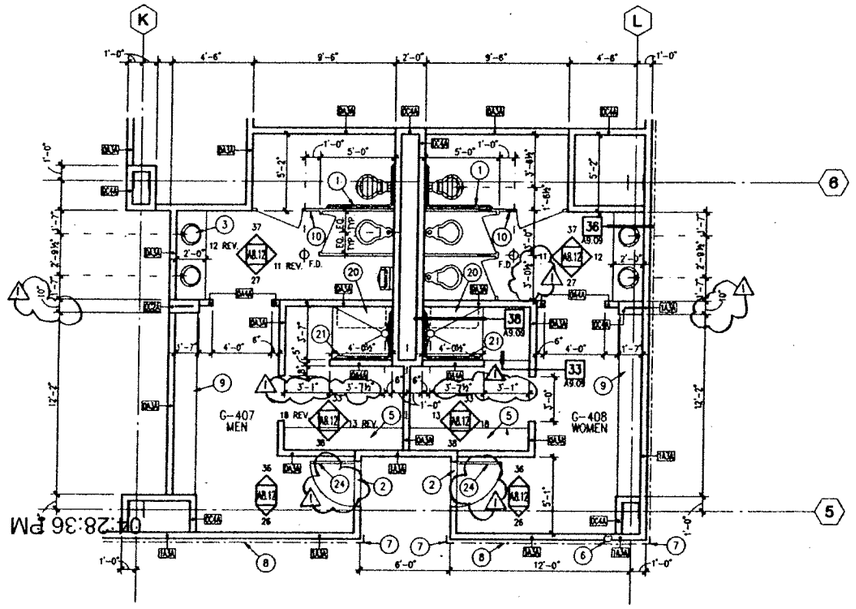


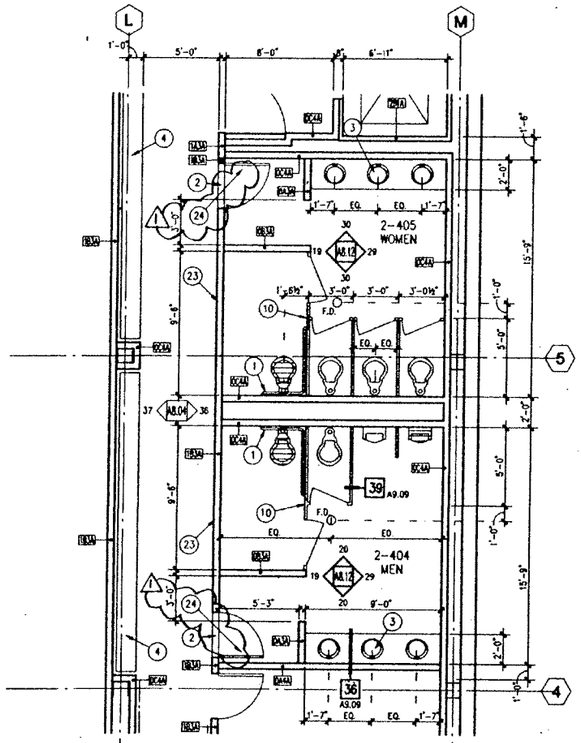
31 LAB LEVEL TWO SERVICE ELEVATOR CORE
SCALE: 1/4" = 1' - 0"



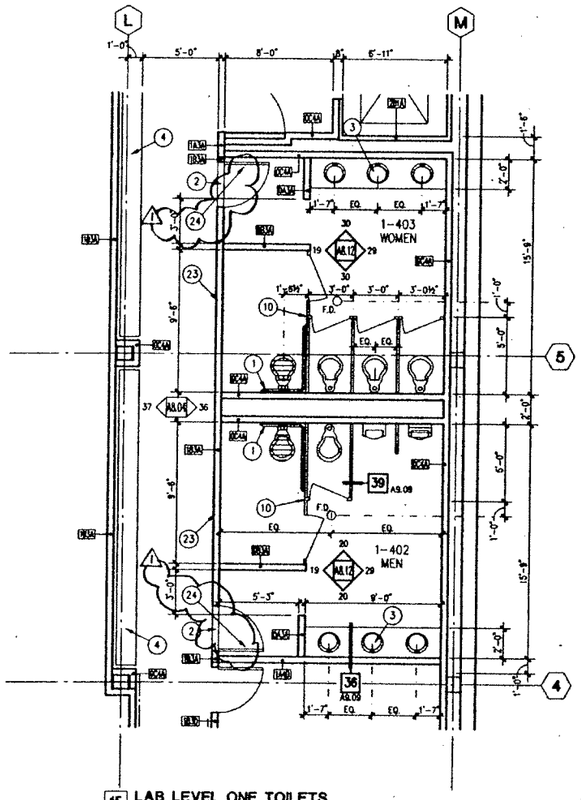
33 GROUND FLOOR SERVICE ELEVATOR CORE
SCALE: 1/4" = 1' - 0"



35 GROUND FLOOR TOILETS
SCALE: 1/4" = 1' - 0"



13 LAB LEVEL TWO TOILETS
SCALE: 1/4" = 1' - 0"



15 LAB LEVEL ONE TOILETS
SCALE: 1/4" = 1' - 0"

SHEET NOTES

1. IT IS THE PURPOSE OF THIS DRAWING TO COORDINATE ALL FLOOR PLAN ITEMS OF ALL TRADES WITHIN THE ENLARGED FLOOR PLANS SHOWN. LOCATIONS SHOWN ON OTHER LESS DETAILED DRAWINGS ARE SCHEMATIC UNLESS OTHERWISE NOTED. THIS DRAWING TAKES PRECEDENCE OVER THE A2 SERIES DRAWINGS FOR EXACT LOCATIONS OF ALL ITEMS

   WHERE NOT SHOWN OR DIMENSIONED BY THE ARCHITECT, LOCATE

   - A. AS SHOWN OR DIMENSIONED ON THE LABORATORY DRAWINGS
   - B. IF NOT INDICATED ON THE LABORATORY DRAWINGS AT APPROXIMATE LOCATIONS SHOWN ON THE M/E/P DRAWINGS
2. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS AND SPECIFICATIONS FOR THE DESIGN OF SYSTEMS SHOWN ON THIS SHEET. LOCATE DUCTS, PIPES, CONDUITS, CABLE TRAYS, ETC. ENTIRELY WITHIN THE APPROPRIATE BUILDINGS SYSTEMS AS SHOWN ON THE ARCHITECTURAL PLANS, SECTIONS, AND DETAILS
3. FOR ADDITIONAL INFORMATION REGARDING LABORATORY FURNITURE AND EQUIPMENT, REFER TO LABORATORY DRAWINGS AND SPECIFICATIONS
4. FOR INFORMATION REGARDING DOOR MARKS, FINISH CODES, AND CEILING HEIGHTS, SEE THE A2 SERIES ARCHITECTURAL DRAWINGS
5. FOR ADDITIONAL TYPICAL NOTES APPLICABLE TO THIS SHEET, SEE "GENERAL NOTES" ON SHEET A0.01

KEY NOTES

1. GRAB BARS - (TYPE 2) 42 INCH SEGMENT MOUNTED ON TOILET PARTITION AND (TYPE 3) 36 INCH SEGMENT MOUNTED ON PARTITION BEHIND TOILET - CONFORMING WITH SECTION 611.1(a)6 OF CCR TITLE 24. SEE COMPOSITE TOILET ACCESSORY ELEVATIONS FOR ADDITIONAL INFORMATION.
2. 1/2 INCH RAISED THRESHOLD (SEE DOOR OPENING SCHEDULE) BETWEEN CORRIDOR FINISH FLOOR AND TOILET ROOM FINISH FLOOR.
3. PLASTIC LAMINATE LAVATORY COUNTER - ALL LAVATORIES TO BE HANDICAPPED ACCESSIBLE AND CONFORM WITH SECTION 1504 OF CCR TITLE 24 (TYPICAL).
4. METAL LOCKERS (TYPE 1) - SEE CORRIDOR INTERIOR ELEVATIONS ON SHEET A8.04 FOR ADDITIONAL INFORMATION.
5. WOOD BENCH.
6. FIRE EXTINGUISHER CABINET - SEE APPLICABLE INTERIOR ELEVATION FOR ADDITIONAL INFORMATION.
7. CORNER GUARD EXTENDING FROM FLOOR TO 7'-6" A.F.F.
8. BUMPER AND RUB RAILS - SEE APPLICABLE INTERIOR ELEVATION FOR ADDITIONAL INFORMATION.
9. RECESSED METAL LOCKERS (TYPE 2) - SEE INTERIOR ELEVATIONS ON SHEET A8.12 FOR ADDITIONAL INFORMATION
10. CEILING-HUNG TOILET PARTITION - SEE MOUNTING DETAILS ON TOILET ROOM AND ACCESSORIES SHEET.
11. 4 FOOT HIGH BY 8 FEET WIDE BY 1/2 INCH THICK FIRE TREATED PLYWOOD TELEPHONE/DATA BACKBOARD MOUNTED 6'-0" A.F.F. TO TOP
12. 4 INCH WIDE ELEVATOR SEPARATOR BEAM.
13. CENTER PARTITION ON INDICATED GRID LINE.
14. ELEVATOR CALL BUTTON MOUNTED WITH UPPER BUTTON AT 42 INCHES A.F.F. FIRE DEPARTMENT ACCESS KEY BOX (GROUND FLOOR ONLY) CENTERED AT 48 INCHES A.F.F. DIRECTLY ABOVE CALL BUTTON. SEE ALSO INDICATED INTERIOR ELEVATIONS.
15. CAST-IN-PLACE CONCRETE WALL WITH ARCHITECTURAL CONCRETE FINISH. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION REGARDING WALL THICKNESS.
16. HANDRAIL EXTENSION - SEE SHEET A7.02 FOR ADDITIONAL INFORMATION.
17. THRESHOLD - SEE DOOR OPENING SCHEDULE FOR ADDITIONAL INFORMATION.
18. PROVIDE WIRE MESH PARTITION BETWEEN ELEVATOR HOISTWAYS - SEE SHEET A7.02 FOR ADDITIONAL INFORMATION REGARDING WIRE MESH PARTITIONS, PIT LADDERS, SUMPS, AND ELEVATOR PIT DIMENSIONS. SEE SHEET A8.11 FOR TYPICAL ELEVATION OF WIRE MESH PARTITION
19. COMPOSITE METAL PANEL (TYPE 1) EXTERIOR WALL ASSEMBLY. SEE DETAIL WALL SECTIONS ON SHEETS A8.22, A8.23, A8.24, AND A8.25.
20. FOLDING SHOWER SEAT ON WALL OPPOSITE SHOWER CONTROLS AND MOUNTED 18 INCHES ABOVE FLOOR AT SHOWER PERIMETER. CONFORM WITH SECTION 611.1(a)10 OF CCR TITLE 24.
21. GRAB BAR - (TYPE 1). SINGLE PIECE 24 INCH BY 36 INCH L-SHAPED GRAB BAR WITH 36 INCH LEG MOUNTED ON WALL BELOW SHOWER CONTROLS. CONFORM WITH SECTION 611.1(A)10b OF CCR TITLE 24
22. COORDINATE LOCATION OF ELEVATOR HOISTWAY DOORS WITH ELEVATOR MANUFACTURER.
23. PARTITION TYPE "18SA" EXTENDS ONLY TO TOP OF FIRE-RATED HORIZONTAL DUCT ENCLOSURE ABOVE CEILING. SEE SECTION G5 (DETAIL 4/9) ON SHEET A8.18 FOR ADDITIONAL INFORMATION
24. PROVIDE TYPE "A" SIGNAGE ON DOORS LEADING TO SANITARY FACILITIES. SEE DETAIL 3/G ON SHEET A8.03 FOR DESCRIPTION OF TYPE "A" SIGNAGE TO BE PROVIDED, TYPICAL LOCATION, AND MOUNTING HEIGHTS.
25. PROVIDE TYPE "P" SIGNAGE ADJACENT TO ELEVATOR CALL BUTTONS. SEE DETAIL 3/G ON SHEET A8.03 FOR DESCRIPTION OF TYPE "P" SIGNAGE TO BE PROVIDED, TYPICAL LOCATION, AND MOUNTING HEIGHTS.

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Revisions

No.		Date
1	BULLETIN NO.2	11-11-91

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Kaiser Permanente Medical Care Program
Southern California Region

DETAIL PLANS TOILET ROOMS

SCALE: 1/4 INCH EQUALS 1 FOOT

Project No.		Drawing No.
19210.01	B1 BULLETIN	A4.01
Date 11 APR 91		

DWG. FILE : 000055X07/ A4.01 / 17 SEP 91

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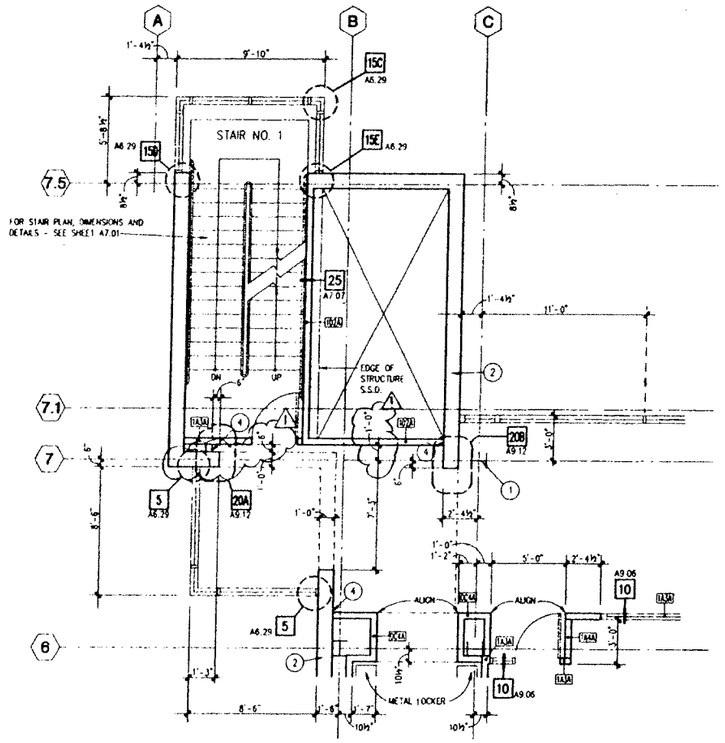
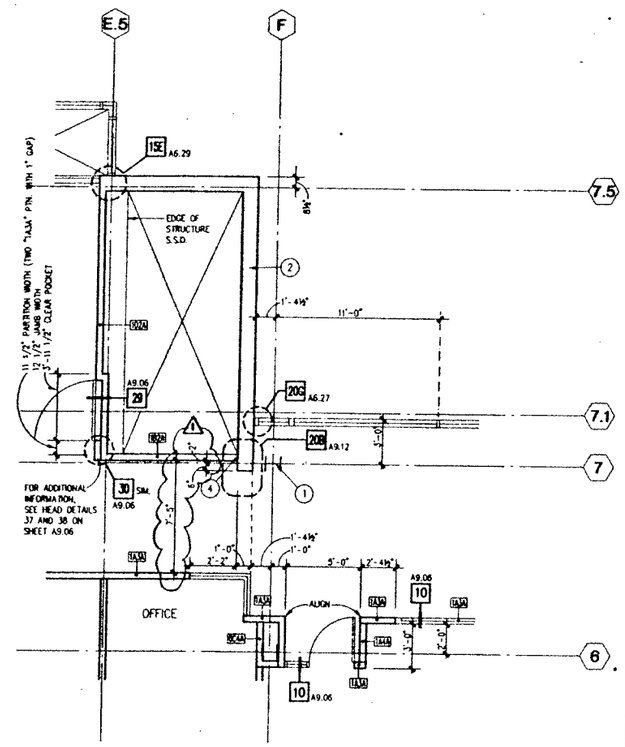


28 SERVICE TOWER NO. 1 PLAN
SCALE: 1/4" = 1' - 0"



18 SERVICE TOWER NO. 2 PLAN
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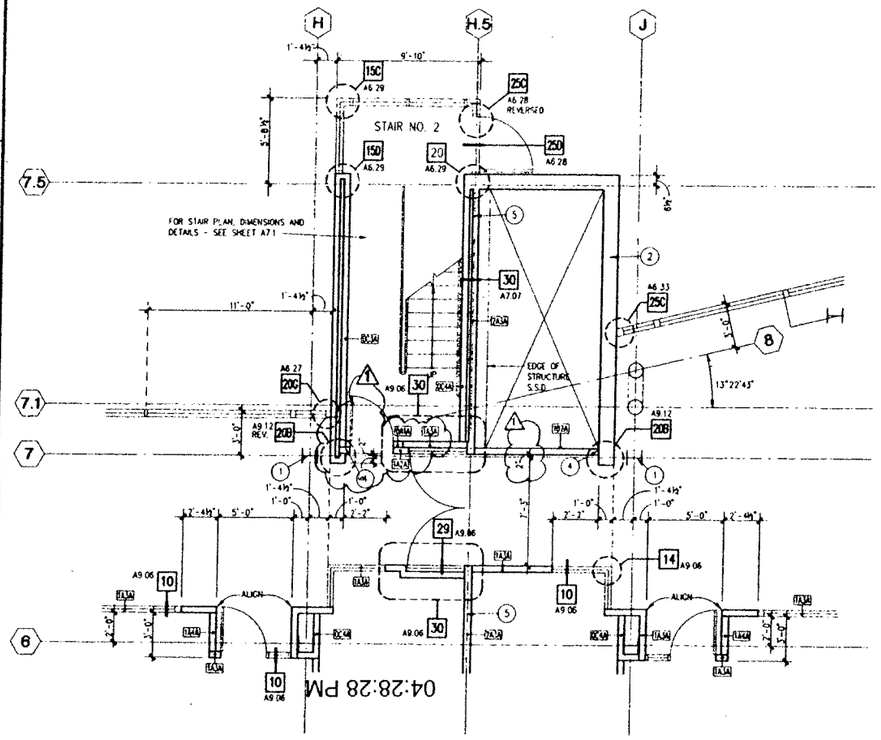
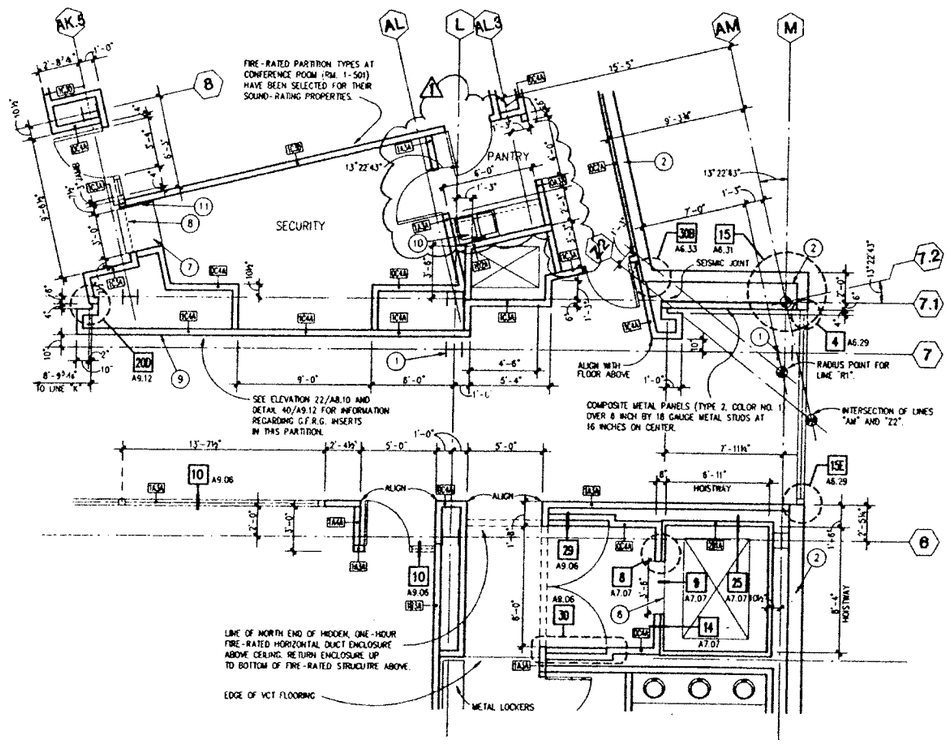


40 SERVICE TOWER NO. 3 PLAN
SCALE: 1/4" = 1' - 0"



25 PASSENGER ELEVATOR LOBBY PLAN
SCALE: 1/4" = 1' - 0"

SHEET NOTES

1. IT IS THE PURPOSE OF THIS DRAWING TO COORDINATE ALL FLOOR PLAN ITEMS OF ALL TRADES WITHIN THE ENLARGED FLOOR PLANS SHOWN. LOCATIONS SHOWN ON OTHER LESS DETAILED DRAWINGS ARE SCHEMATIC, UNLESS OTHERWISE NOTED. THIS DRAWING TAKES PRECEDENCE OVER THE A2 SERIES DRAWINGS FOR EXACT LOCATIONS OF ALL ITEMS.

   WHERE NOT SHOWN OR DIMENSIONED BY THE ARCHITECT, LOCATE
   - A. AS SHOWN OR DIMENSIONED ON THE LABORATORY DRAWINGS
   - B. IF NOT INDICATED ON THE LABORATORY DRAWINGS AT APPROXIMATE LOCATIONS SHOWN ON THE M/E/P DRAWINGS
2. REFER TO MECHANICAL, ELECTRICAL, AND PLUMBING DRAWINGS AND SPECIFICATIONS FOR THE DESIGN OF SYSTEMS SHOWN ON THIS SHEET. LOCATE DUCTS, PIPES, CONDUITS, CABLE TRAYS, ETC. ENTIRELY WITHIN THE APPROPRIATE BUILDING'S SYSTEMS AS SHOWN ON THE ARCHITECTURAL PLANS, SECTIONS, AND DETAILS.
3. FOR ADDITIONAL INFORMATION REGARDING LABORATORY FURNITURE AND EQUIPMENT, REFER TO LABORATORY DRAWINGS AND SPECIFICATIONS.
4. FOR INFORMATION REGARDING DOOR MARKS, FINISH CODES, AND CEILING HEIGHTS, SEE THE A2 SERIES ARCHITECTURAL DRAWINGS.
5. FOR ADDITIONAL TYPICAL NOTES APPLICABLE TO THIS SHEET, SEE "GENERAL NOTES" ON SHEET A0.01.

KEY NOTES

1. PAINTED STEEL CLOSURE PLATES AT BASE OF EXPOSED COLUMN. SEE PERSONNEL GALLERY DETAILS SHEET FOR ADDITIONAL INFORMATION.
2. COMPOSITE METAL PANEL (TYPE 1) EXTERIOR WALL ASSEMBLY. SEE DETAIL WALL SECTIONS ON SHEETS A8.22, A8.23, A8.24, AND A8.25.
3. TO ACHIEVE DESIRED APPEARANCE, WALL BETWEEN ELEVATOR HOISTWAY AND LOBBY CONSISTS OF TWO PARTITION TYPES SET BACK-TO-BACK. FOR ADDITIONAL INFORMATION, SEE ELEVATOR JAMB DETAILS ON SHEET A7.07.
4. COMPOSITE METAL PANELS (TYPE 2 FOR INTERIOR USE) RETURN TO INDICATED INSIDE CORNER. SEE INTERIOR METAL PANEL DETAILS SHEET FOR ADDITIONAL INFORMATION.
5. CENTER TWO-HOUR FIRE-RATED AREA SEPARATION WALL ON INDICATED GRID.
6. COORDINATE LOCATION OF ELEVATOR HOISTWAY DOORS WITH ELEVATOR MANUFACTURER.
7. SECURITY OFFICE COUNTER INTEGRATED WITH ROLL-UP COUNTER-TYPE FIRE-DOOR.
8. ROLL-UP FIRE-DOOR (TYPE A, COUNTER-TYPE, ONE-HOUR FIRE-RATED). SEE DOOR OPENING SCHEDULE AND DETAILS FOR ADDITIONAL INFORMATION.
9. INDICATED PARTITION (TYPE "1C44") DOES NOT EXTEND TO STRUCTURE ABOVE. SEE SECTIONS ON SHEET A6.08 FOR ADDITIONAL INFORMATION.
10. DOUBLE SINK IN MODULAR PLASTIC LAMINATE CASEWORK COUNTER. SEE PLUMBING DRAWINGS AND INTERIOR ELEVATION ON SHEET A8.10 (DETAIL 10) FOR ADDITIONAL INFORMATION.
11. GYPSUM BOARD FURRING ADJACENT TO SECURITY COUNTER. SEE DOOR OPENING DETAILS FOR ADDITIONAL INFORMATION.

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Revisions

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1	BULLETIN NO. 1

Regional Reference Laboratory
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North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

DETAIL PLANS LAB LEVEL ONE

SCALE: 1/4 INCH EQUALS 1 FOOT

Project No.		Drawing No.
19210.01	B 1	A4.02
Date 01 APR 91	BULLETIN	

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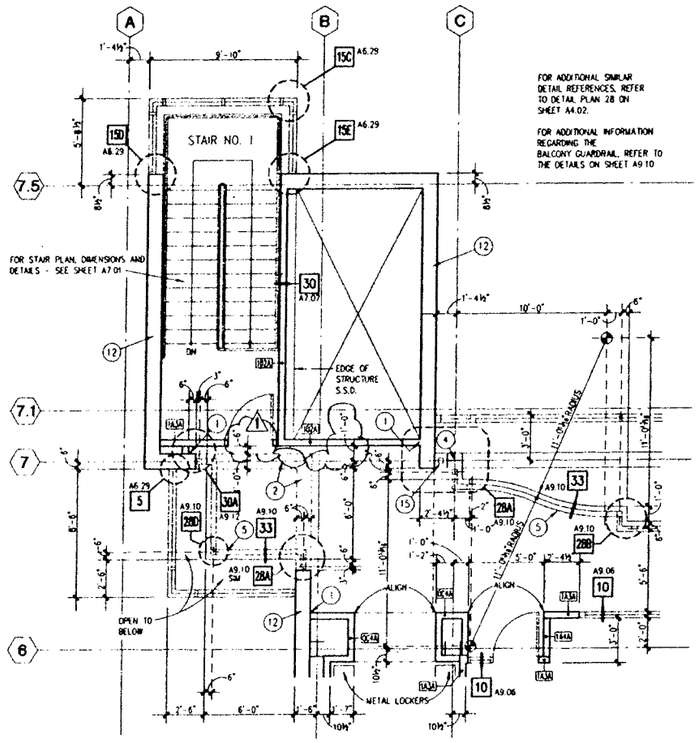
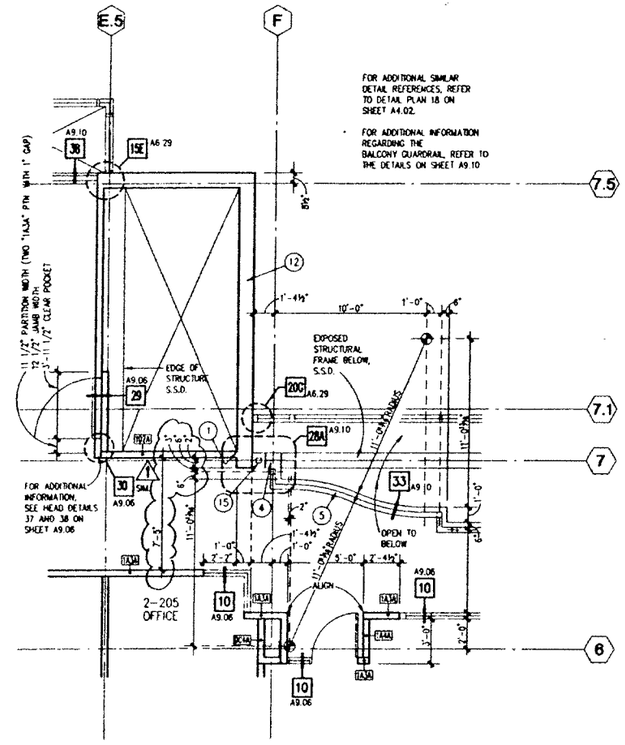
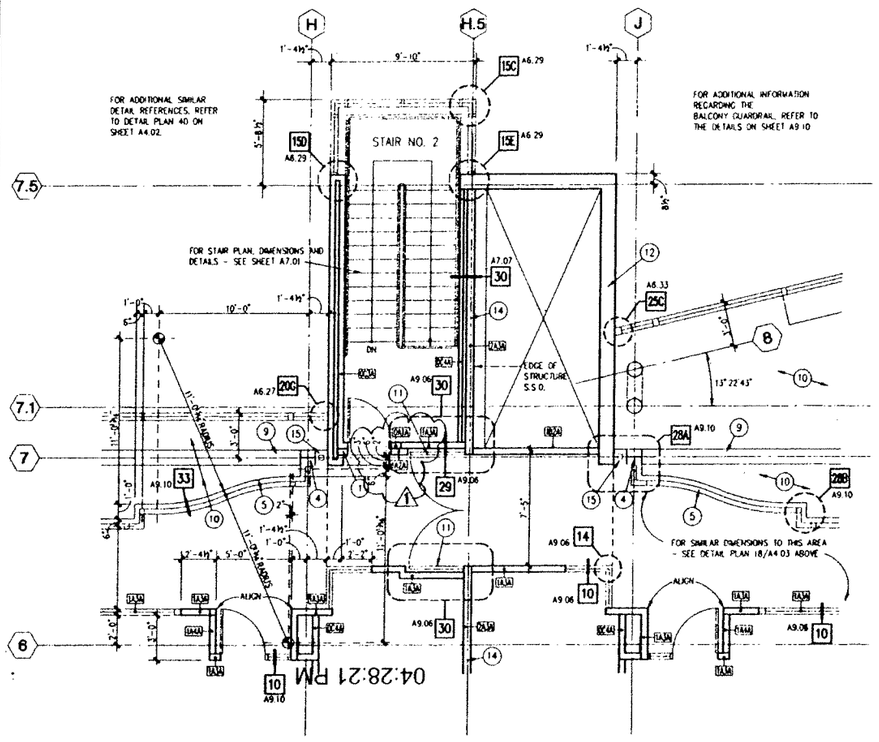


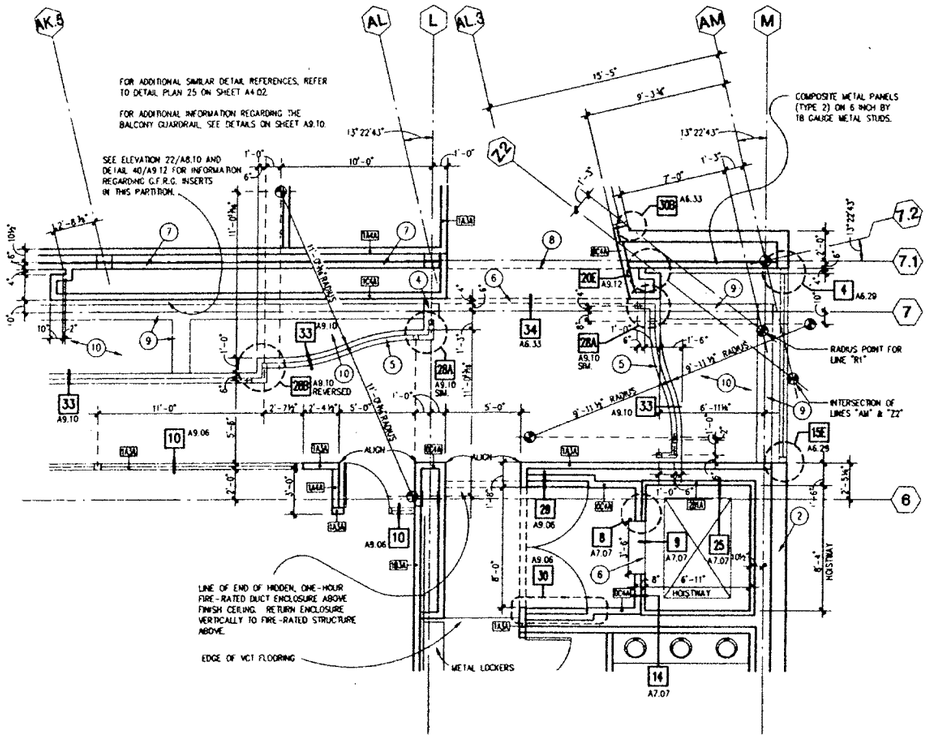
28 SERVICE TOWER NO. 1 PLAN
SCALE: 1/4" = 1' - 0"



18 SERVICE TOWER NO. 2 PLAN
SCALE: 1/4" = 1' - 0"



40 SERVICE TOWER NO. 3 PLAN
SCALE: 1/4" = 1' - 0"



25 PASSENGER ELEVATOR LOBBY PLAN
SCALE: 1/4" = 1' - 0"

SHEET NOTES

1. IT IS THE PURPOSE OF THIS DRAWING TO COORDINATE ALL FLOOR PLAN ITEMS OF ALL TRADES WITHIN THE ENLARGED FLOOR PLANS SHOWN. LOCATIONS SHOWN ON OTHER LESS DETAILED DRAWINGS ARE SCHEMATIC UNLESS OTHERWISE NOTED. THIS DRAWING TAKES PRECEDENCE OVER THE A2 SERIES DRAWINGS FOR EXACT LOCATIONS OF ALL ITEMS

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3. FOR ADDITIONAL INFORMATION REGARDING LABORATORY FURNITURE AND EQUIPMENT, REFER TO LABORATORY DRAWINGS AND SPECIFICATIONS
4. FOR INFORMATION REGARDING DOOR MARKS, FINISH CODES, AND CEILING HEIGHTS, SEE THE A2 SERIES ARCHITECTURAL DRAWINGS
5. FOR ADDITIONAL TYPICAL NOTES APPLICABLE TO THIS SHEET, SEE "GENERAL NOTES" ON SHEET A0.01

KEY NOTES

1. COMPOSITE METAL PANELS (TYPE 2 FOR INTERIOR USE) RETURN TO INDICATED INSIDE CORNER. SEE INTERIOR METAL PANEL DETAILS SHEET FOR ADDITIONAL INFORMATION
2. LINE OF COMPOSITE METAL PANEL (TYPE 2 FOR INTERIOR USE) SOFFIT ABOVE
3. NOT USED
4. PAINTED STEEL CLOSURE PLATES AT BASE OF EXPOSED COLUMN. SEE PERSONNEL GALLERY DETAILS SHEET FOR ADDITIONAL INFORMATION
5. BALCONY GUARDRAIL. SEE PERSONNEL GALLERY INTERIOR ELEVATIONS ON SHEETS A8.07, A8.08, AND A8.09 FOR ADDITIONAL INFORMATION
6. SEISMIC JOINT AT FLOOR
7. 6 INCH BY 18 GAUGE METAL STUDS AT 16 INCHES ON CENTER EXTENDING TO ROOF STRUCTURE ABOVE. SUPPORT COMPOSITE METAL PANELS (TYPE 2 FOR INTERIOR USE, COLOR NO. 1) ABOVE. SEE SECTIONS ON SHEET A6.08 FOR ADDITIONAL INFORMATION
8. LINE OF COMPOSITE METAL PANELS HIDDEN ABOVE SOFFIT
9. PAINTED STRUCTURAL FRAME ELEMENTS (BEAMS, DIAGONAL BRACES, COLUMNS) EXPOSED TO VIEW. CLEAN AND DRESS ALL EXPOSED WELDS, CONNECTIONS, AND EDGES
10. OPEN TO BELOW
11. MAGNETIC HOLD-OPEN DEVICE HIDDEN IN HOLD-OPEN DOOR POCKET
12. COMPOSITE METAL PANEL (TYPE 1) EXTERIOR WALL ASSEMBLY. SEE DETAIL WALL SECTIONS ON SHEETS A6.22, A6.23, A6.24, AND A6.25
13. TO ACHIEVE DESIRED APPEARANCE, WALL BETWEEN ELEVATOR HOISTWAY AND LOBBY CONSISTS OF TWO PARTITION TYPES SET BACK-TO-BACK. FOR ADDITIONAL INFORMATION, SEE ELEVATOR JAMB DETAILS ON SHEET A7.07
14. CENTER TWO-HOUR FIRE-RATED AREA SEPARATION WALL ON INDICATED GRID.
15. 42 INCH HIGH GUARDRAIL POST CENTERED BETWEEN FACE OF WALL AND FACE OF COLUMN

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Revisions

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1 BULLETIN NO. 1	

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Kaiser Permanente Medical Care Program
Southern California Region

DETAIL PLANS LAB LEVEL TWO

SCALE: 1/4 INCH EQUALS 1 FOOT

Project No.		Drawing No.
19210.01	B1	A4.03
Date 91 APR 8TH	BULLETIN	

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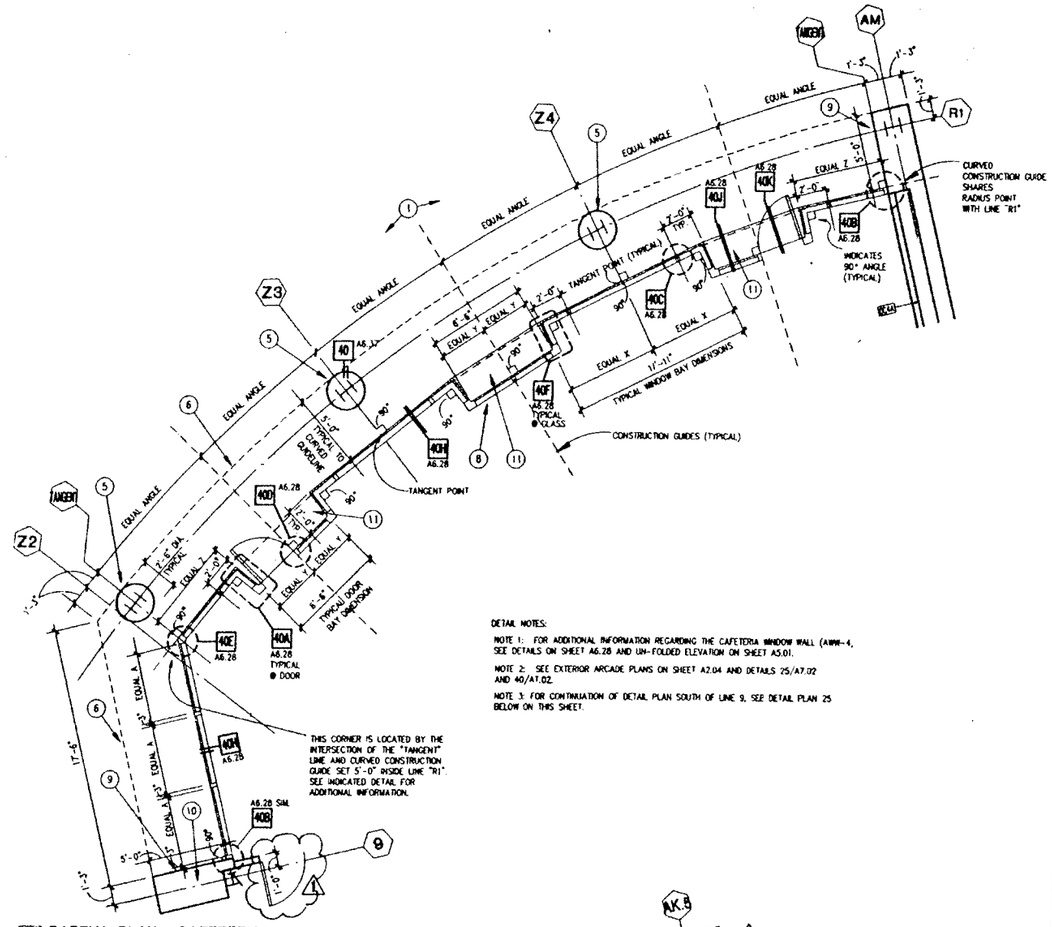


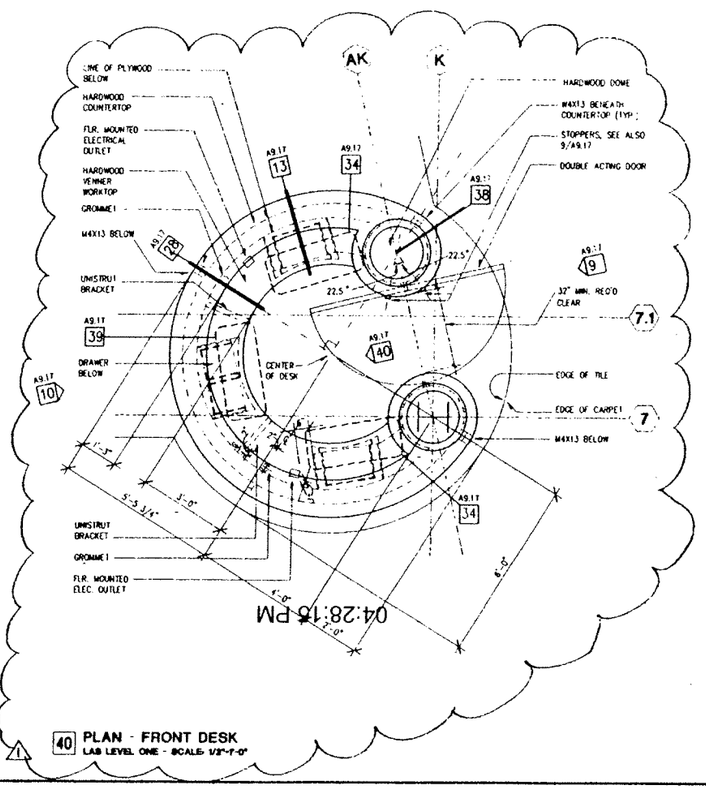
DETAIL NOTES:

NOTE 1: FOR ADDITIONAL INFORMATION REGARDING THE CAFETERIA WINDOW WALL (AWW-4, SEE DETAILS ON SHEET A6.28 AND UN-FOLDED ELEVATION ON SHEET A5.01.

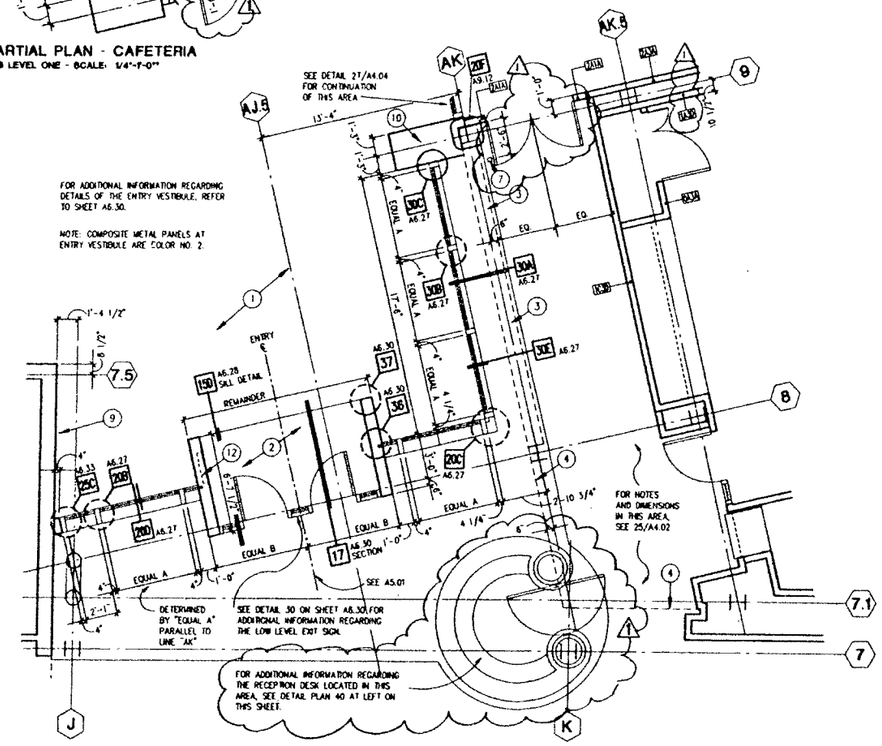
NOTE 2: SEE EXTERIOR ARCADE PLANS ON SHEET A2.04 AND DETAILS 25/A7.02 AND 40/A7.02.

NOTE 3: FOR CONTINUATION OF DETAIL PLAN SOUTH OF LINE 9, SEE DETAIL PLAN 25 BELOW ON THIS SHEET.

23 PARTIAL PLAN - CAFETERIA
LAB LEVEL ONE - SCALE: 1/4"=1'-0"



40 PLAN - FRONT DESK
LAB LEVEL ONE - SCALE: 1/2"=1'-0"



25 PARTIAL PLAN - MAIN ENTRY
LAB LEVEL ONE - SCALE: 1/4"=1'-0"

SHEET NOTES

1. IT IS THE PURPOSE OF THIS DRAWING TO COORDINATE ALL FLOOR PLAN ITEMS OF A.L. TRADES WITHIN THE ENLARGED FLOOR PLANS SHOWN. LOCATIONS SHOWN ON OTHER LESS DETAILED DRAWINGS ARE SCHEMATIC UNLESS OTHERWISE NOTED. THIS DRAWING TAKES PRECEDENCE OVER THE A2 SERIES DRAWINGS FOR EXACT LOCATIONS OF ALL ITEMS

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3. FOR ADDITIONAL INFORMATION REGARDING LABORATORY FURNITURE AND EQUIPMENT, REFER TO LABORATORY DRAWINGS AND SPECIFICATIONS
4. FOR INFORMATION REGARDING DOOR MARKS, FINISH CODES, AND CEILING HEIGHTS, SEE THE A2 SERIES ARCHITECTURAL DRAWINGS
5. FOR ADDITIONAL TYPICAL NOTES APPLICABLE TO THIS SHEET, SEE 'GENERAL NOTES' ON SHEET A0.01

KEY NOTES

1. FOR ADDITIONAL INFORMATION REGARDING THE MAIN ENTRY PLAZA, SEE DETAIL 40/A7.02 AND SHEET A2.04
2. MEDIUM BROOM FINISH CONCRETE SLAB AT EL. 747'-0" BELOW CANOPY OF ENTRY VESTIBULE
3. LINE OF PAINTED STRUCTURAL BRACED FRAME EXPOSED TO VIEW. PAINTED STEEL CLOSURE PLATES AT BASE OF EXPOSED COLUMNS AT GRIDS "AK-8" AND "AK-9". SEE PERSONNEL GALLERY DETAILS SHEET FOR ADDITIONAL INFORMATION. CLEAN AND DRESS ALL EXPOSED WELDS, CONNECTIONS, AND EDGES PRIOR TO FINISH PAINTING
4. LINE OF FACE OF COMPOSITE METAL PANEL (TYPE 2) WALL ABOVE.
5. COMPOSITE METAL PANEL (TYPE 1, COLOR NO. 1) COLUMN COVER ATOP CAST-IN-PLACE CONCRETE COLUMN BASE - SEE EXTERIOR ELEVATIONS.
6. LINE OF FACE OF BUILDING ABOVE.
7. FLOOR MONUMENT MOUNTED MAGNETIC HOLD-OPEN DEVICE - SEE ELECTRICAL DRAWINGS.
8. ALUMINUM AND GLASS WINDOW WALL - SEE EXTERIOR ELEVATIONS ON SHEET A5.01.
9. COMPOSITE METAL PANEL (TYPE 1) EXTERIOR WALL ASSEMBLY. SEE DETAIL WALL SECTIONS ON SHEETS A6.22, A6.23, A6.24, AND A6.25.
10. TWO-HOUR FIRE-RATED AREA SEPARATION WALL CONTINUES WEST BEYOND LINE "AK" TO EDGE OF EXTERIOR SKIN ASSEMBLY.
11. MEDIUM BROOM FINISH CONCRETE AT EL. 747'-0" BETWEEN CAFETERIA DOORS AND INTERLOCKING PAVERS. EDGE OF CONCRETE OCCURS ALONG LINE JOINING OUTSIDE EDGE OF CAFETERIA WINDOW BAYS.
12. CARD ACCESS READER AND INTERCOM UNIT WITH CUSTOM COVERPLATE. SEE ENTRY VESTIBULE DETAILS SHEET

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DETAIL PLANS
ENTRY & CAFETERIA

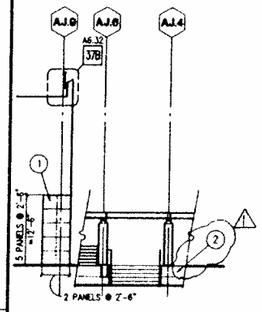
SCALE: 1/4 INCH EQUALS 1 FOOT

Project No. 19210.01

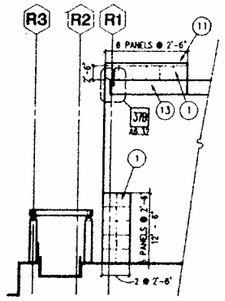
Date 30 APR 87

B 1 BULLETIN

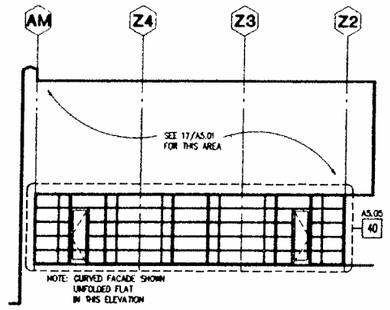
Drawing No. A4.04



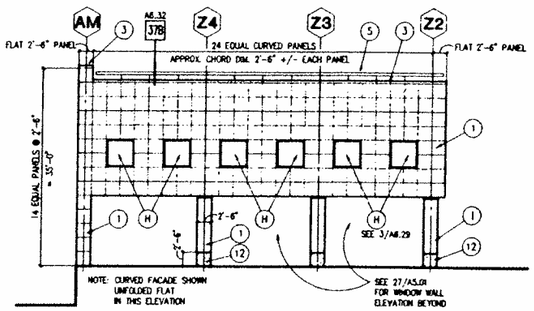
37 ARCADE - NORTH ELEVATION
SCALE · 3/32" · 1' - 0"



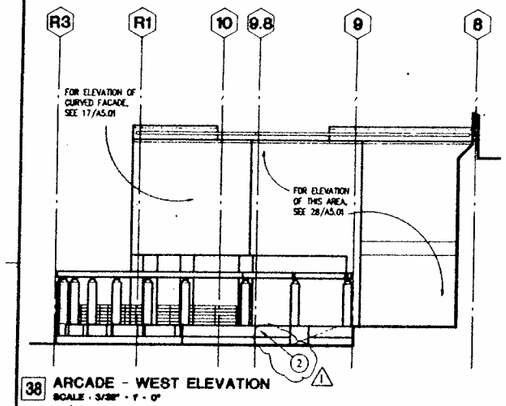
32 ARCADE - WEST SECTION ELEV.
SCALE · 3/32" · 1' - 0"



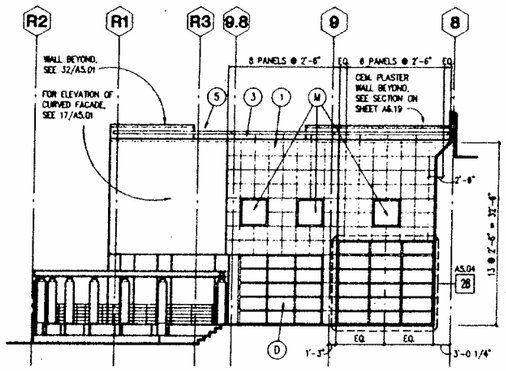
27 CAFETERIA WINDOW WALL - NORTH ELEVATION
SCALE · 3/32" · 1' - 0"



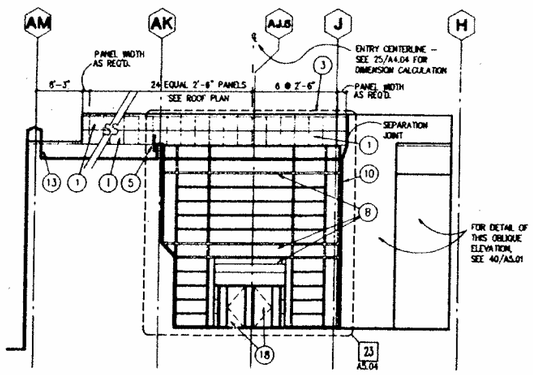
17 ADMINISTRATION CURVED FACADE - NORTH ELEVATION
SCALE · 3/32" · 1' - 0"



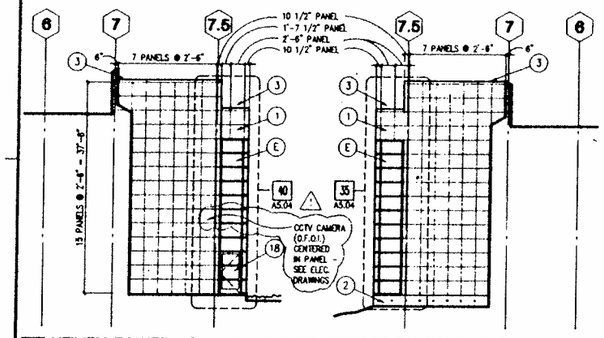
38 ARCADE - WEST ELEVATION
SCALE · 3/32" · 1' - 0"



28 ADMINISTRATION WING - WEST ELEVATION
SCALE · 3/32" · 1' - 0"

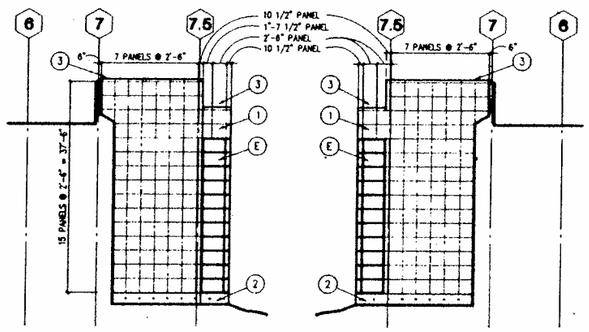


18 LOBBY ENTRY - NORTH ELEVATION
SCALE · 3/32" · 1' - 0"



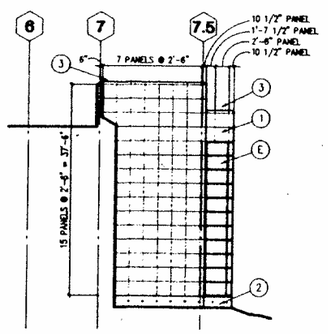
39 UTILITY TOWER NO.3 - EAST ELEV.
SCALE · 3/32" · 1' - 0"

34 UTILITY TOWER NO.3 - WEST ELEV.
SCALE · 3/32" · 1' - 0"

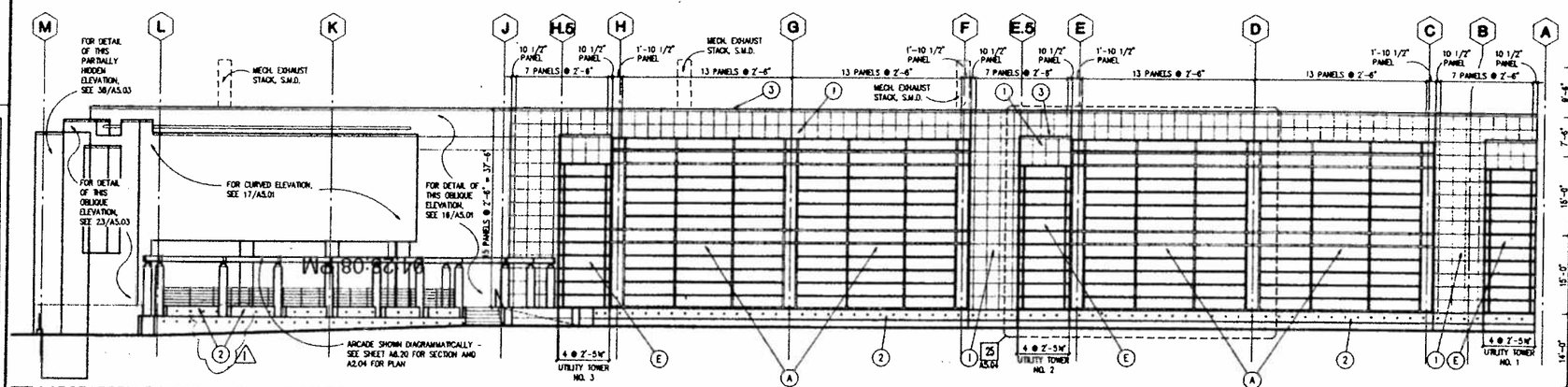


29 UTILITY TOWER NO.2 - EAST ELEV.
SCALE · 3/32" · 1' - 0"

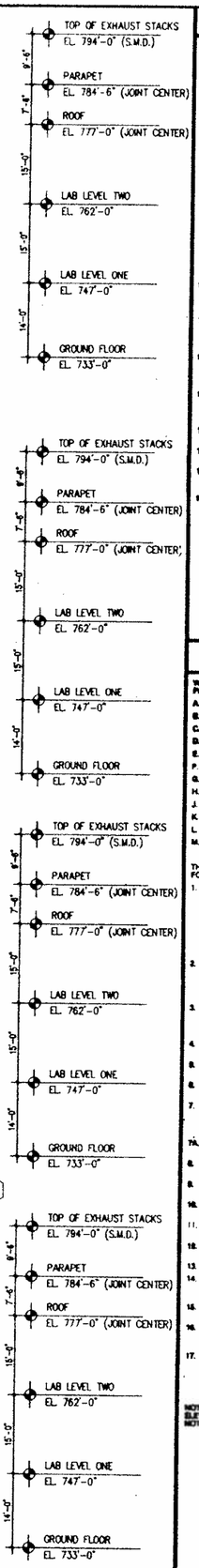
19 UTILITY TOWER NO.2 - WEST ELEV.
SCALE · 3/32" · 1' - 0"



14 UTILITY TOWER NO.1 - EAST ELEV.
SCALE · 3/32" · 1' - 0"



40 LABORATORY BUILDING - NORTH ELEVATION
SCALE · 3/32" · 1' - 0"



SHEET NOTES

1. THE PURPOSE OF THIS SHEET IS TO COORDINATE THE EXTERIOR ELEVATION ELEMENTS OF ALL TRADES LOCATIONS SHOWN ON OTHER DRAWINGS ARE SCHEMATIC UNLESS OTHERWISE NOTED. THIS DRAWING TAKES PRECEDENCE FOR EXACT LOCATIONS OF ALL ITEMS SHOWN.
2. CONTRACTOR SHALL VERIFY ALL DIMENSION AND LOCATIONS OF ALL ITEMS. COORDINATE INSTALLATION OF ALL ITEMS TO ENSURE ADEQUATE CLEARANCES FOR THE ELEVATION ELEMENTS AS SHOWN. NOTIFY THE ARCHITECT OF ANY CONFLICTS PRIOR TO COMMENCING CONSTRUCTION. DEVIATIONS FROM ELEVATION SHOWN MUST BE APPROVED IN ADVANCE BY THE ARCHITECT.
3. DIMENSIONS SHOWN ARE TO FACE OF FINISH. TYPICAL WHERE DIMENSION IS SHOWN TO A COMPOSITE METAL PANEL OR PRE-FORMED METAL PANEL JOINT, DIMENSION IS TO CENTERLINE OF JOINT UNLESS OTHERWISE NOTED. FOR ADDITIONAL INFORMATION, SEE DETAILS ON SHEET A6.31.
4. AT CAST-IN-PLACE CONCRETE WALL WITH ARCHITECTURAL FINISH, ALL CORNERS AND EDGES OF CONCRETE WALL TO BE STRAIGHT AND TRUE.
5. WHERE APPLICABLE, ALIGN VERTICAL JOINTS IN EXTRUDED ALUMINUM CAP WITH CORRESPONDING COMPOSITE METAL PANEL JOINT - TYPICAL AT ALL LOCATIONS.
6. WHERE APPLICABLE, ALIGN CENTERLINE OF VERTICAL CONCRETE REVEALS WITH CENTERLINE OF CORRESPONDING COMPOSITE METAL PANEL JOINT ABOVE.
7. WHERE APPLICABLE, ALIGN CENTERLINE OF PARAPET GUARDRAIL SUPPORT POST WITH CENTERLINE OF CORRESPONDING COMPOSITE METAL PANEL JOINT BELOW.
8. SEE DETAIL 20 ON SHEET A6.32 FOR TYPICAL PATTERN OF TIE HOLES AND REVEALS IN CAST-IN-PLACE CONCRETE WALLS WITH ARCHITECTURAL FINISH. ALL CORNERS AND EDGES OF CONCRETE WALL TO BE STRAIGHT AND TRUE.
9. KEY NOTES SHOWN HERE ARE APPLICABLE TO ELEVATIONS ON SHEETS A5.01, A5.02, AND A5.03. NOT ALL KEY NOTES SHOWN HERE ARE NECESSARILY USED ON THIS SHEET.
10. FOR ADDITIONAL TYPICAL NOTES WHICH ARE APPLICABLE TO THIS SHEET, SEE "GENERAL NOTES" ON SHEET A0.01.
11. WINDOW TYPE AW-1 (SEE KEYNOTE H) USES GLAZING TYPE GL-3, UNLESS OTHERWISE NOTED.
12. ALL EXTERIOR HOLLOW METAL DOORS AND FRAMES ARE TO BE PAINTED. SEE EXTERIOR COLOR SCHEDULE ON SHEET A8.06 FOR ADDITIONAL INFORMATION.
13. WINDOW TYPE AW-4 IS SIMILAR TO WINDOW TYPE AW-1 EXCEPT FLAT. FOR SIMILAR FRAME DETAILS, SEE DETAIL 3 ON SHEET A6.29.

KEY NOTES

WINDOW TYPES ARE IDENTIFIED BY KEY NOTES WITH THE FOLLOWING LETTERS:

A. WINDOW TYPE AWW-1.
B. WINDOW TYPE AWW-2.
C. WINDOW TYPE AWW-3.
D. WINDOW TYPE AWW-4.
E. WINDOW TYPE AWW-5.
F. WINDOW TYPE AWW-6.
G. WINDOW TYPE AWW-7.
H. WINDOW TYPE AW-1 (ASSEMBLY IS CURVED).
J. WINDOW TYPE AW-2 (ASSEMBLY IS CURVED).
K. WINDOW TYPE AW-3.
L. WINDOW TYPE AW-4.
M. WINDOW TYPE AW-5 (ASSEMBLY IS FLAT).

THE REMAINING KEY NOTES ARE IDENTIFIED BY THE FOLLOWING NUMERALS:

1. COMPOSITE METAL PANEL (TYPE NO. 1 FOR EXTERIOR USE, COLOR NO. 1 UNLESS OTHERWISE NOTED) OVER METAL STUDS (3-5/8 INCH BY 18 GAUGE AT 16 INCHES O.C. MINIMUM - SEE DETAIL WALL SECTIONS FOR ACTUAL STUDS SIZES). EXCEPT AT PARAPETS, COMPOSITE METAL PANEL WALL ASSEMBLY INCLUDES 5/8 INCH TYPE X GYPSUM BOARD ON INTERIOR FACE AND R-11 THERMAL INSULATION IN STUD SPACE (SEE DETAIL WALL SECTIONS FOR ADDITIONAL INFORMATION).
2. CAST-IN-PLACE CONCRETE WALL WITH ARCHITECTURAL FINISH. SEE DETAIL 20 ON SHEET A6.32 FOR TYPICAL PATTERN OF TIE HOLES AND REVEALS. ALL CORNERS AND EDGES OF CONCRETE WALL TO BE STRAIGHT AND TRUE.
3. 8 INCH EXTRUDED ALUMINUM CAP. ALIGN VERTICAL JOINTS IN CAP, WHERE OCCURS, WITH CORRESPONDING COMPOSITE METAL PANEL JOINT. SEE DETAILS ON SHEET A6.32.
4. PARAPET GUARDRAIL - TYPE ONE. SEE DETAIL 37A ON SHEET A6.32.
5. PARAPET GUARDRAIL - TYPE TWO. SEE DETAIL 37B ON SHEET A6.32.
6. PARAPET GUARDRAIL - TYPE THREE. SEE DETAIL 37C ON SHEET A6.32.
7. ARCHITECTURAL METAL LOUVERS. (LOUVER TYPE 1) EXCEPT WHERE INDICATED AT SERVICE ELEVATOR HOISTWAY, LOUVERS ARE DECORATIVE AND INACTIVE. SEE DETAIL 40 ON SHEET A6.32.
7A. METAL LOUVERS FOR OUTSIDE AIR INTAKE (LOUVER TYPE 2). SEE DETAIL 3 ON SHEET A6.32.
8. 1-1/2 INCH WIDE CONCRETE REVEALS - SEE DETAIL 10 ON SHEET A6.32.
9. WALL MOUNTED MECHANICAL EXHAUST FAN - SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
10. 6 INCH SEISMIC SEPARATION JOINT. SEE DETAILS ON SHEET A6.33.
11. PARAPET COPING - SEE DETAIL 38 ON SHEET A6.32 FOR EXAMPLES OF VARIOUS COPING CONDITIONS.
12. CAST-IN-PLACE CONCRETE COLUMN BASE WITH ARCHITECTURAL FINISH. SEE DETAILS ON SHEET A6.37.
13. E.P.D.M. FLASHING.
14. PRE-FORMED METAL PANEL MECHANICAL EQUIPMENT SCREEN - FOR ADDITIONAL INFORMATION, SEE ROOF PLANS ON SHEETS A2.07 AND A2.08.
15. 3 INCH DIAMETER MINIMUM ALUMINAR OR REFLECTIVE DOT.
16. 1-1/2 INCH N.P.S. PAINTED STEEL PIPE GUARDRAIL. SEE DETAILS ON SHEET A6.38 AND STAIR SECTIONS ON SHEETS A7.03 AND A7.04 FOR ADDITIONAL INFORMATION.
17. PAINTED PORTLAND CEMENT PLASTER WALL ASSEMBLY. ASSEMBLY CONSISTS OF 7/8 INCH PORTLAND CEMENT PLASTER OVER METAL LATH OVER 1/2 INCH CEMENT BOARD OVER 6 INCH BY 16 GAUGE METAL STUDS WITH 5/8 INCH TYPE X GYPSUM BOARD ON INTERIOR FACE AND R-11 THERMAL INSULATION IN STUD SPACE.

NOTE: KEY NOTES SHOWN HERE ARE APPLICABLE TO ELEVATIONS ON SHEETS A5.01, A5.02, AND A5.03. NOT ALL KEY NOTES SHOWN HERE ARE NECESSARILY USED ON THIS SHEET.

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Laboratory Mechanical Engineer

Laboratory Electrical Engineer

Revisions

No.		Date
1	ADDENDUM NO. 1	5-15-91

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

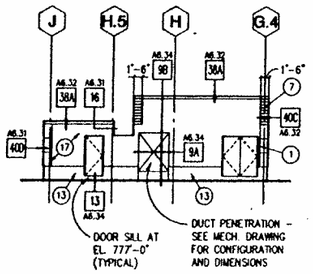
EXTERIOR ELEVATIONS NORTH FACADES

Project No. 19210.01

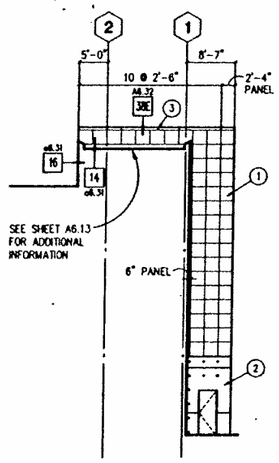
Date 15 MAY 1991

A ADDENDUM

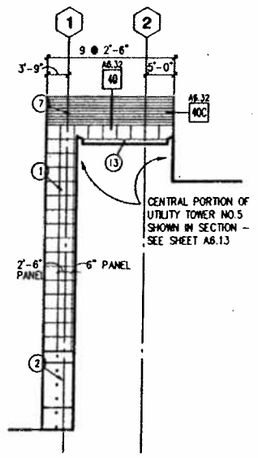
Drawing No. A5.01



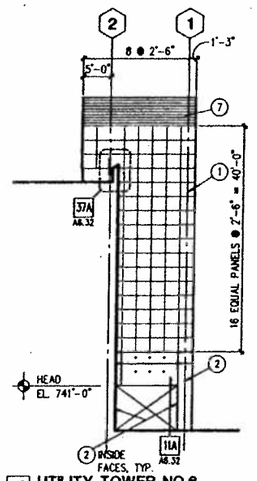
37 UTILITY TOWER NO.5
NORTH ELEVATION



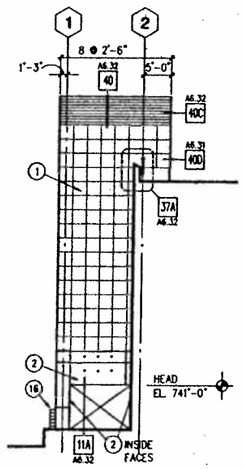
32 UTILITY TOWER NO.5
CENTER-WEST ELEVATION



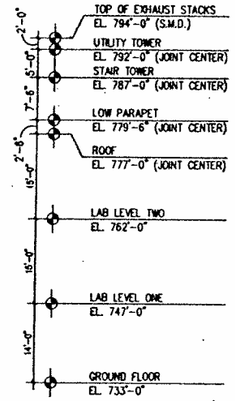
22 UTILITY TOWER NO.5
CENTER - EAST ELEVATION

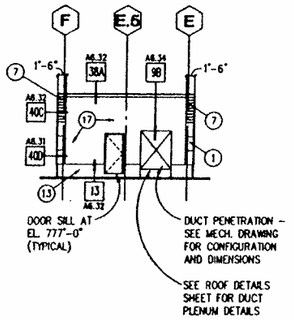


17 UTILITY TOWER NO.6
WEST ELEVATION



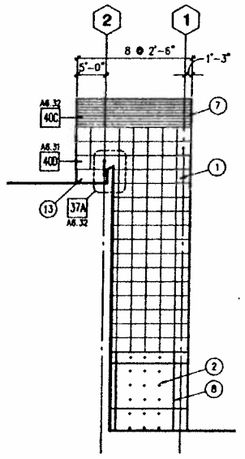
7 UTILITY TOWER NO.6
EAST ELEVATION



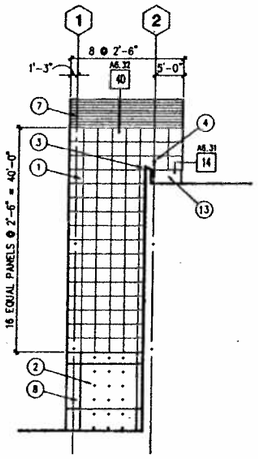


NOTE: NORTH ELEVATION OF UTILITY TOWER NO.6 (LINE "L") IS SIMILAR (NO DOOR AT TOWER NO.6)

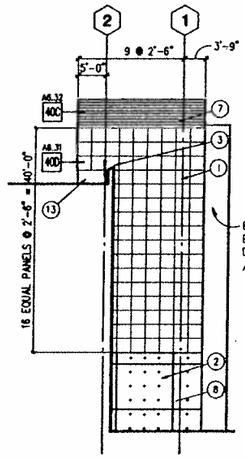
39 UTILITY TOWER NO.4
NORTH ELEVATION



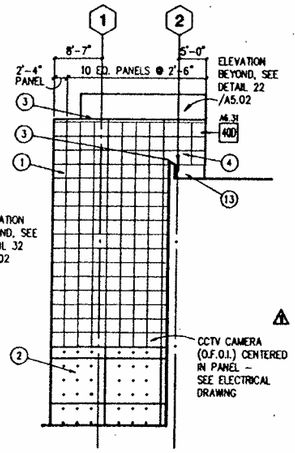
34 UTILITY TOWER NO.4
WEST ELEVATION



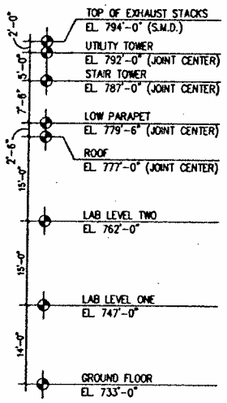
24 UTILITY TOWER NO.4
EAST ELEVATION



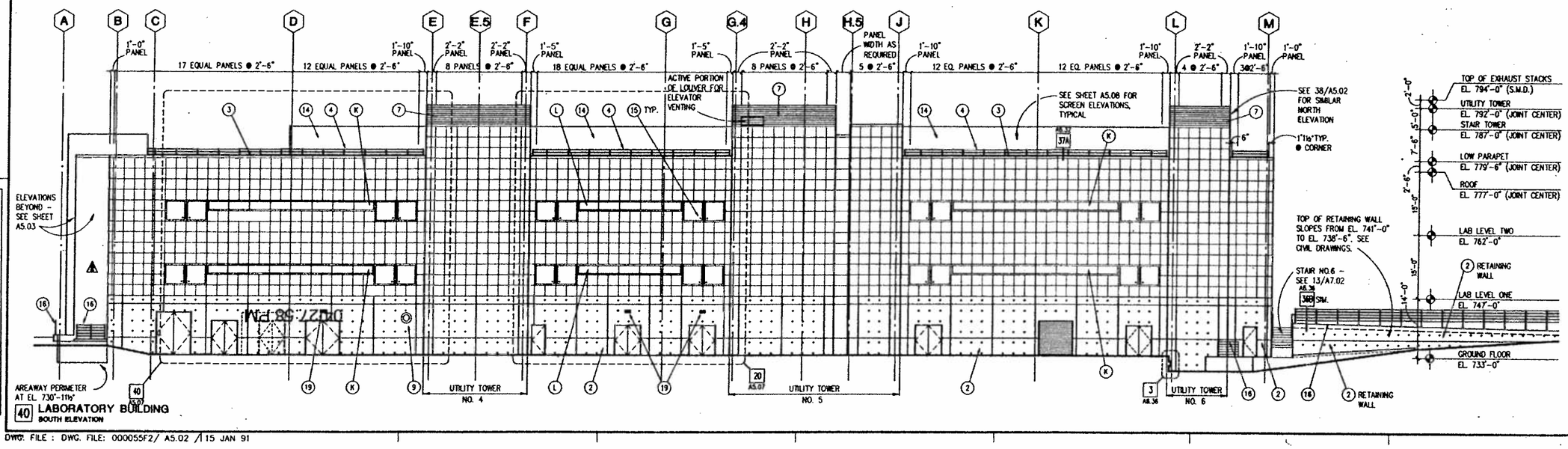
19 UTILITY TOWER NO.5
WEST ELEVATION



14 UTILITY TOWER NO.5
EAST ELEVATION



NOTE: THE SCALE OF ALL ELEVATIONS OF THIS SHEET IS 3/32"=1'-0"



40 LABORATORY BUILDING
SOUTH ELEVATION

KEY NOTES

WINDOW TYPES ARE IDENTIFIED BY KEY NOTES WITH THE FOLLOWING LETTERS.

A. WINDOW TYPE AWW-1.
B. WINDOW TYPE AWW-2.
C. WINDOW TYPE AWW-3.
D. WINDOW TYPE AWW-4.
E. WINDOW TYPE AWW-5.
F. WINDOW TYPE AWW-6.
G. WINDOW TYPE AWW-7.
H. WINDOW TYPE AW-1 (ASSEMBLY IS CURVED).
J. WINDOW TYPE AW-2 (ASSEMBLY IS CURVED).
K. WINDOW TYPE AW-3.
L. WINDOW TYPE AW-4.
M. WINDOW TYPE AW-5 (ASSEMBLY IS FLAT).

THE REMAINING KEY NOTES ARE IDENTIFIED BY THE FOLLOWING NUMERALS:

1. COMPOSITE METAL PANEL (TYPE NO. 1 FOR EXTERIOR USE, COLOR NO. 1 UNLESS OTHERWISE NOTED) OVER METAL STUDS (3-5/8 INCH BY 18 GAUGE AT 16 INCHES O.C. MINIMUM - SEE DETAIL WALL SECTIONS FOR ACTUAL STUDS SIZES). EXCEPT AT PARAPETS, COMPOSITE METAL PANEL WALL ASSEMBLY INCLUDES 5/8 INCH TYPE X GYPSUM BOARD ON INTERIOR FACE AND R-11 THERMAL INSULATION IN STUD SPACE (SEE DETAIL WALL SECTIONS FOR ADDITIONAL INFORMATION).
2. CAST-IN-PLACE CONCRETE WALL WITH ARCHITECTURAL FINISH. SEE DETAIL 20 ON SHEET A6.32 FOR TYPICAL PATTERN OF TIE HOLES AND REVEALS. ALL CORNERS AND EDGES OF CONCRETE WALL TO BE STRAIGHT AND TRUE.
3. 6 INCH EXTRUDED ALUMINUM CAP. ALIGN VERTICAL JOINTS IN CAP, WHERE OCCURS, WITH CORRESPONDING COMPOSITE METAL PANEL JOINT. SEE DETAILS ON SHEET A6.32.
4. PARAPET GUARDRAIL - TYPE ONE. SEE DETAIL 37A ON SHEET A6.32.
5. PARAPET GUARDRAIL - TYPE TWO. SEE DETAIL 37B ON SHEET A6.32.
6. PARAPET GUARDRAIL - TYPE THREE. SEE DETAIL 37C ON SHEET A6.32.
7. ARCHITECTURAL METAL LOUVERS (LOUVER TYPE 1). EXCEPT WHERE INDICATED AT SERVICE ELEVATOR HOISTWAY, LOUVERS ARE DECORATIVE AND INACTIVE. SEE DETAIL 40 ON SHEET A6.32.
7A. METAL LOUVERS FOR OUTSIDE AIR INTAKE (LOUVER TYPE 2). SEE DETAIL 5 ON SHEET A6.32.
8. 1-1/2 INCH WIDE CONCRETE REVEALS - SEE DETAIL 10 ON SHEET A6.32.
9. WALL MOUNTED MECHANICAL EXHAUST FAN - SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION
10. 4 INCH SEISMIC SEPARATION JOINT. SEE DETAILS ON SHEET A6.33.
11. PARAPET COPING - SEE DETAIL 38 ON SHEET A6.32 FOR EXAMPLES OF VARIOUS COPING CONDITIONS.
12. CAST-IN-PLACE CONCRETE COLUMN BASE WITH ARCHITECTURAL FINISH. SEE DETAILS ON SHEET A6.37.
13. E.P.D.M. FLASHING.
14. PRE-FORMED METAL PANEL MECHANICAL EQUIPMENT SCREEN - FOR ADDITIONAL INFORMATION, SEE ROOF PLANS ON SHEETS A2.07 AND A2.08.
15. 2 INCH DIAMETER MINIMUM ALUMINAR OR REFLECTIVE DOT.
16. 1-1/2 INCH N.P.S. PAINTED STEEL PIPE GUARDRAIL. SEE DETAILS ON SHEET A6.36 AND STAIR SECTIONS ON SHEETS A7.03 AND A7.04 FOR ADDITIONAL INFORMATION.
17. PAINTED PORTLAND CEMENT PLASTER WALL ASSEMBLY. ASSEMBLY CONSISTS OF 7/8 INCH PORTLAND CEMENT PLASTER OVER METAL LATH OVER 1/2 INCH CEMENT BOARD OVER 6 INCH BY 18 GAUGE METAL STUDS WITH 5/8 INCH TYPE X GYPSUM BOARD ON INTERIOR FACE AND R-11 THERMAL INSULATION IN STUD SPACE.

ADDITIONAL NOTE: KEY NOTES SHOWN HERE ARE APPLICABLE TO ELEVATIONS ON SHEETS A5.01, A5.02, AND A5.03. NOT ALL KEY NOTES SHOWN HERE ARE NECESSARILY USED ON THIS SHEET.

ADDITIONAL NOTE: FOR SIMILAR SHEET NOTES WHICH ARE APPLICABLE TO THIS SHEET, SEE SHEET NOTES ON SHEET A5.0.

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Laboratory Electrical Engineer

Revisions

No.		Date
1	ADDENDUM NO. 1	8-15-91
2	BULLETIN NO. 2	1-24-92

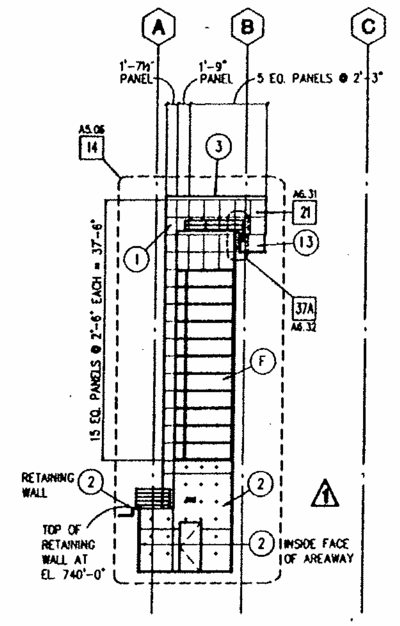
Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

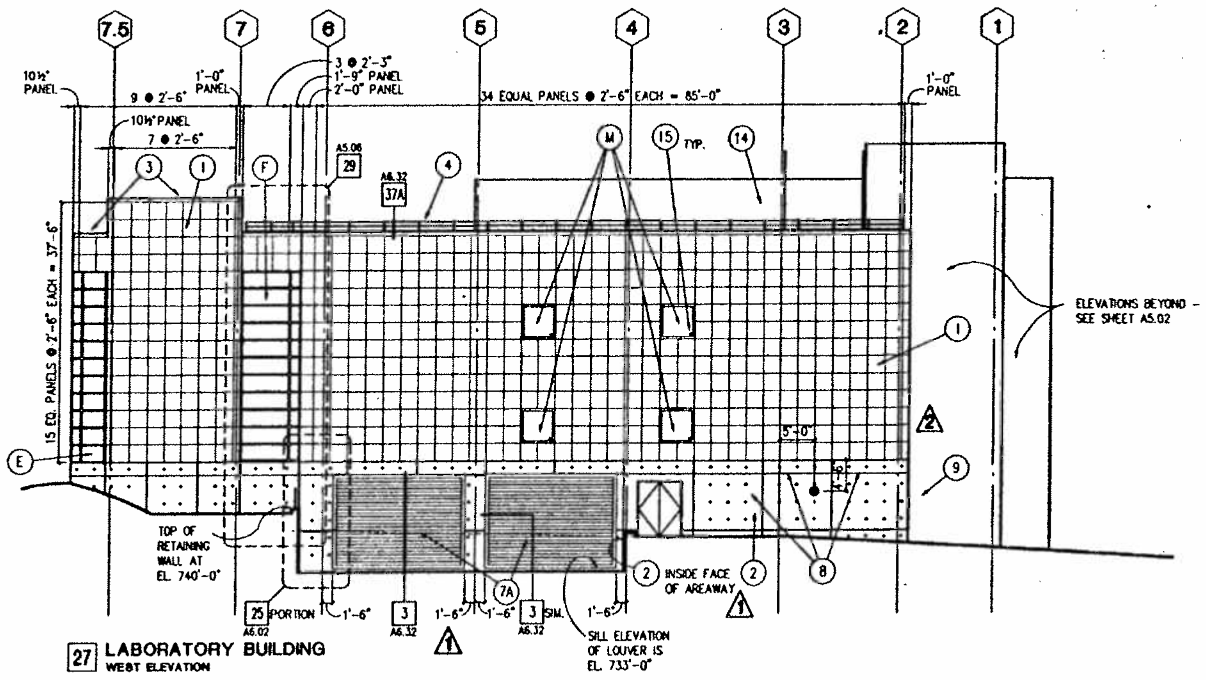
EXTERIOR ELEVATIONS SOUTH FACADES

Project No.		Drawing No.
19210.01	B2	A5.02
Date 15 MAY 91	BULLETIN	

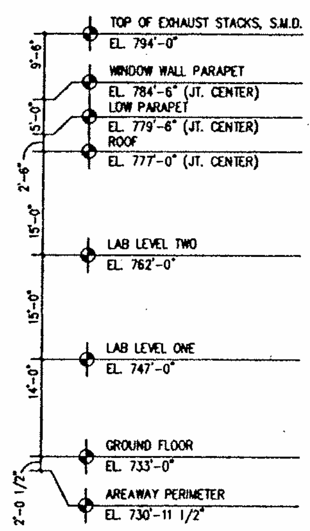
DWG: FILE : DWG. FILE: 000055F2/ A5.02 /15 JAN 91



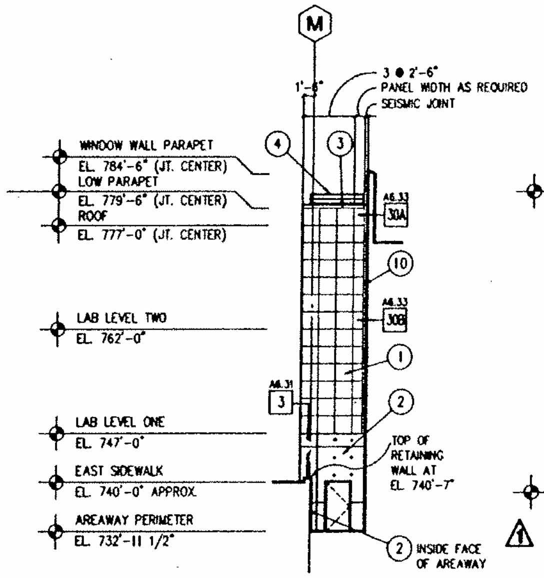
32 UTILITY TOWER NO.1
SOUTH ELEVATION



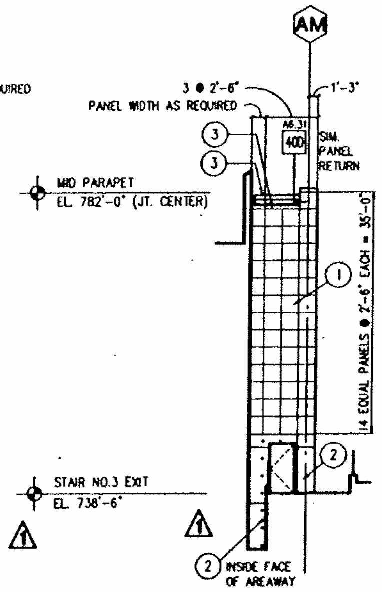
27 LABORATORY BUILDING
WEST ELEVATION



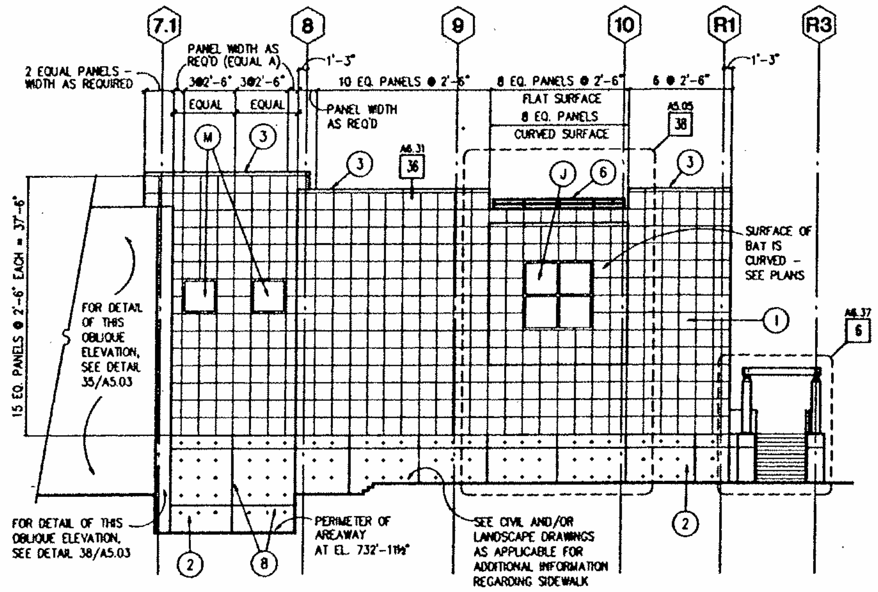
1. THE PURPOSE OF THIS SHEET IS TO COORDINATE THE EXTERIOR ELEVATION ELEMENTS OF ALL TRADES. LOCATIONS SHOWN ON OTHER DRAWINGS ARE SCHEMATIC, UNLESS OTHERWISE NOTED. THIS DRAWING TAKES PRECEDENCE FOR EXACT LOCATIONS OF ALL ITEMS SHOWN.
2. CONTRACTOR SHALL VERIFY ALL DIMENSION AND LOCATIONS OF ALL ITEMS. COORDINATE INSTALLATION OF ALL ITEMS TO ENSURE ADEQUATE CLEARANCES FOR THE ELEVATION ELEMENTS AS SHOWN. NOTIFY THE ARCHITECT OF ANY CONFLICTS PRIOR TO COMMENCING CONSTRUCTION. DEVIATIONS FROM ELEVATION SHOWN MUST BE APPROVED IN ADVANCE BY THE ARCHITECT.
3. DIMENSIONS SHOWN ARE TO FACE OF FINISH, TYPICAL. WHERE DIMENSION IS SHOWN TO A COMPOSITE METAL PANEL OR PRE-FORMED METAL PANEL JOINT, DIMENSION IS TO CENTERLINE OF JOINT, UNLESS OTHERWISE NOTED. FOR ADDITIONAL INFORMATION, SEE DETAILS ON SHEET A6.31.
4. AT CAST-IN-PLACE CONCRETE WALL WITH ARCHITECTURAL FINISH, ALL CORNERS AND EDGES OF CONCRETE WALL TO BE STRAIGHT AND TRUE.
5. WHERE APPLICABLE, ALIGN VERTICAL JOINTS IN EXTRUDED ALUMINUM CAP WITH CORRESPONDING COMPOSITE METAL PANEL JOINT - TYPICAL AT ALL LOCATIONS.
6. WHERE APPLICABLE, ALIGN CENTERLINE OF VERTICAL CONCRETE REVEALS WITH CENTERLINE OF CORRESPONDING COMPOSITE METAL PANEL JOINT ABOVE.
7. WHERE APPLICABLE, ALIGN CENTERLINE OF PARAPET GUARDRAIL SUPPORT POST WITH CENTERLINE OF CORRESPONDING COMPOSITE METAL PANEL JOINT BELOW.
8. SEE DETAIL 20 ON SHEET A6.32 FOR TYPICAL PATTERN OF TIE HOLES AND REVEALS IN CAST-IN-PLACE CONCRETE WALLS WITH ARCHITECTURAL FINISH. ALL CORNERS AND EDGES OF CONCRETE WALL TO BE STRAIGHT AND TRUE.
9. KEY NOTES SHOWN HERE ARE APPLICABLE TO ELEVATIONS ON SHEETS A5.01, A5.02, AND A5.03. NOT ALL KEY NOTES SHOWN HERE ARE NECESSARILY USED ON THIS SHEET.
10. FOR ADDITIONAL TYPICAL NOTES WHICH ARE APPLICABLE TO THIS SHEET, SEE "GENERAL NOTES" ON SHEET A0.01.
11. ALL EXTERIOR HOLLOW METAL DOORS AND FRAMES ARE TO BE PAINTED. SEE EXTERIOR COLOR SCHEDULE ON SHEET A5.05 FOR ADDITIONAL INFORMATION.
12. WINDOW TYPE AW-5 IS SIMILAR TO WINDOW TYPE AW-1 EXCEPT FLAT. FOR SIMILAR FRAME DETAILS, SEE DETAIL 3 ON SHEET A6.29.
13. SEE EXTERIOR COLOR SCHEDULE ON SHEET A5.05 FOR ADDITIONAL INFORMATION REGARDING EXTERIOR FINISHES.



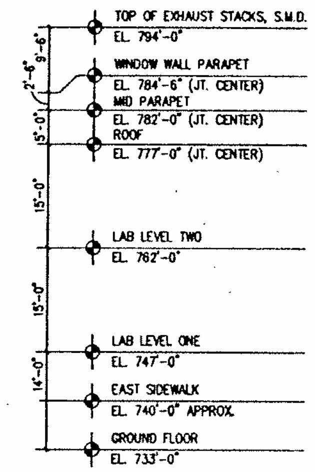
38 STAIR NO.3 ALCOVE
ELEVATION LOOKING SOUTH



33 STAIR NO.3 ALCOVE
ELEVATION LOOKING NORTH



23 ADMINISTRATION WING
EAST ELEVATION



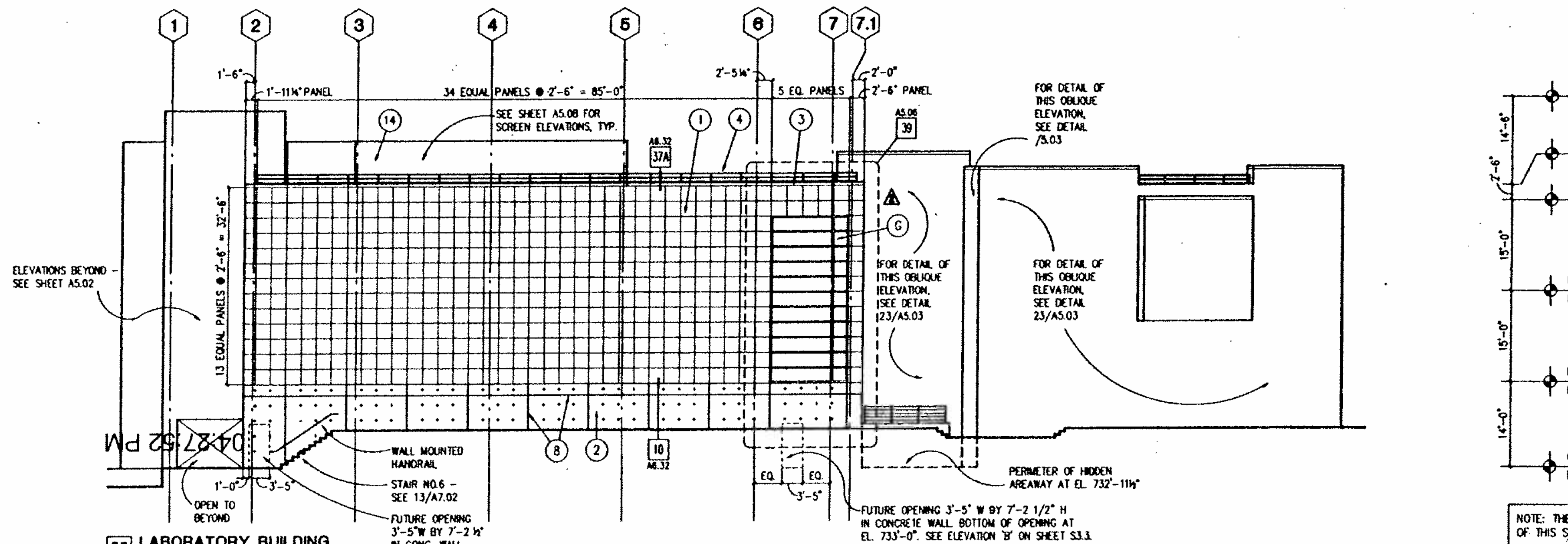
WINDOW TYPES ARE IDENTIFIED BY KEY NOTES WITH THE FOLLOWING LETTERS.

A. WINDOW TYPE AWW-1.
B. WINDOW TYPE AWW-2.
C. WINDOW TYPE AWW-3.
D. WINDOW TYPE AWW-4.
E. WINDOW TYPE AWW-5.
F. WINDOW TYPE AWW-6.
G. WINDOW TYPE AWW-7.
H. WINDOW TYPE AW-1 (ASSEMBLY IS CURVED).
J. WINDOW TYPE AW-2 (ASSEMBLY IS CURVED).
K. WINDOW TYPE AW-3.
L. WINDOW TYPE AW-4.
M. WINDOW TYPE AW-5 (ASSEMBLY IS FLAT).

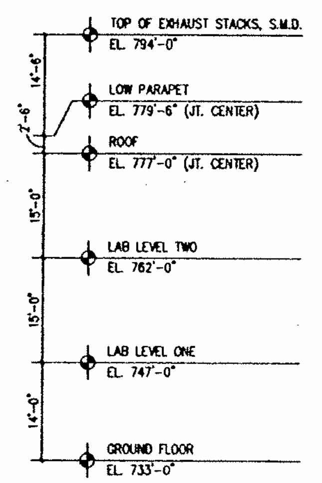
THE REMAINING KEY NOTES ARE IDENTIFIED BY THE FOLLOWING NUMERALS.

1. COMPOSITE METAL PANEL (TYPE NO. 1 FOR EXTERIOR USE, COLOR NO. 1 UNLESS OTHERWISE NOTED) OVER METAL STUDS (3-5/8 INCH BY 18 GAUGE AT 16 INCHES O.C. MINIMUM - SEE DETAIL WALL SECTIONS FOR ACTUAL STUDS SIZES). EXCEPT AT PARAPETS, COMPOSITE METAL PANEL WALL ASSEMBLY INCLUDES 5/8 INCH TYPE X GYPSUM BOARD ON INTERIOR FACE AND R-11 THERMAL INSULATION IN STUD SPACE (SEE DETAIL WALL SECTIONS FOR ADDITIONAL INFORMATION).
2. CAST-IN-PLACE CONCRETE WALL WITH ARCHITECTURAL FINISH. SEE DETAIL 20 ON SHEET A6.32 FOR TYPICAL PATTERN OF TIE HOLES AND REVEALS. ALL CORNERS AND EDGES OF CONCRETE WALL TO BE STRAIGHT AND TRUE.
3. 6 INCH EXTRUDED ALUMINUM CAP. ALIGN VERTICAL JOINTS IN CAP, WHERE OCCURS, WITH CORRESPONDING COMPOSITE METAL PANEL JOINT. SEE DETAILS ON SHEET A6.32.
4. PARAPET GUARDRAIL - TYPE ONE. SEE DETAIL 37A ON SHEET A6.32.
5. PARAPET GUARDRAIL - TYPE TWO. SEE DETAIL 37B ON SHEET A6.32.
6. PARAPET GUARDRAIL - TYPE THREE. SEE DETAIL 37C ON SHEET A6.32.
7. ARCHITECTURAL METAL LOUVERS (LOUVER TYPE 1). EXCEPT WHERE INDICATED AT SERVICE ELEVATOR HOISTWAY, LOUVERS ARE DECORATIVE AND INACTIVE. SEE DETAIL 40 ON SHEET A6.32.
7A. METAL LOUVERS FOR OUTSIDE AIR INTAKE (LOUVER TYPE 2). SEE DETAIL 3 ON SHEET A6.32.
8. 1-1/2 INCH WIDE CONCRETE REVEALS - SEE DETAIL 10 ON SHEET A6.32.
9. WALL MOUNTED MECHANICAL EXHAUST FAN - SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
10. 4 INCH SEISMIC SEPARATION JOINT. SEE DETAILS ON SHEET A6.33.
11. PARAPET COPING - SEE DETAIL 38 ON SHEET A6.32 FOR EXAMPLES OF VARIOUS COPING CONDITIONS.
12. CAST-IN-PLACE CONCRETE COLUMN BASE WITH ARCHITECTURAL FINISH. SEE DETAILS ON SHEET A6.37.
13. E.P.D.M. FLASHING.
14. PRE-FORMED METAL PANEL MECHANICAL EQUIPMENT SCREEN - FOR ADDITIONAL INFORMATION, SEE ROOF PLANS ON SHEETS A2.07 AND A2.08.
15. 2 INCH DIAMETER MINIMUM ALUMINAR OR REFLECTIVE DOT.
16. 1-1/2 INCH N.P.S. PAINTED STEEL PIPE GUARDRAIL. SEE DETAILS ON SHEET A6.36 AND STAIR SECTIONS ON SHEETS A7.03 AND A7.04 FOR ADDITIONAL INFORMATION.
17. PAINTED PORTLAND CEMENT PLASTER WALL ASSEMBLY. ASSEMBLY CONSISTS OF 7/8 INCH PORTLAND CEMENT PLASTER OVER METAL LATH OVER 1/2 INCH CEMENT BOARD OVER 6 INCH BY 16 GAUGE METAL STUDS WITH 5/8 INCH TYPE X GYPSUM BOARD ON INTERIOR FACE AND R-11 THERMAL INSULATION IN STUD SPACE.

NOTE: KEY NOTES SHOWN HERE ARE APPLICABLE TO ELEVATIONS ON SHEETS A5.01, A5.02, AND A5.03. NOT ALL KEY NOTES SHOWN HERE ARE NECESSARILY USED ON THIS SHEET.



35 LABORATORY BUILDING
EAST ELEVATION



NOTE: THE SCALE OF ALL ELEVATIONS OF THIS SHEET IS 3/32"=1'-0"

DWG. FILE : 000055F3/ A5.03 / 15 JAN 91

PROJECT NO. 19210.01 | DWG. TITLE | NOTES

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Revisions

No.		Date
1	ADDENDUM NO. 1	8-15-91
2	BULLETIN NO. 2	1-24-92

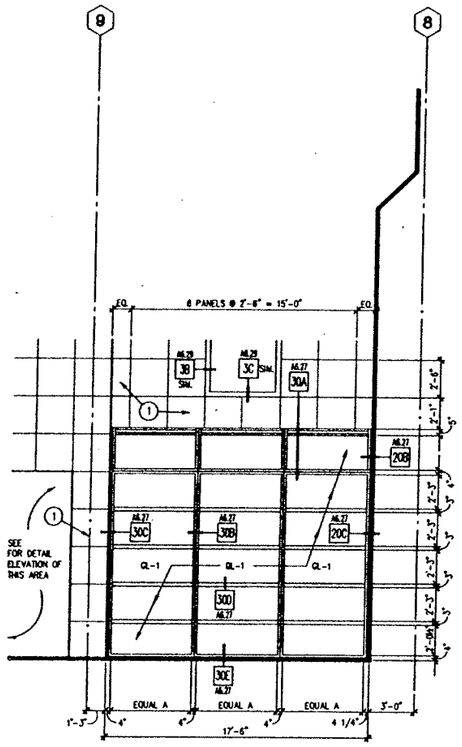
Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

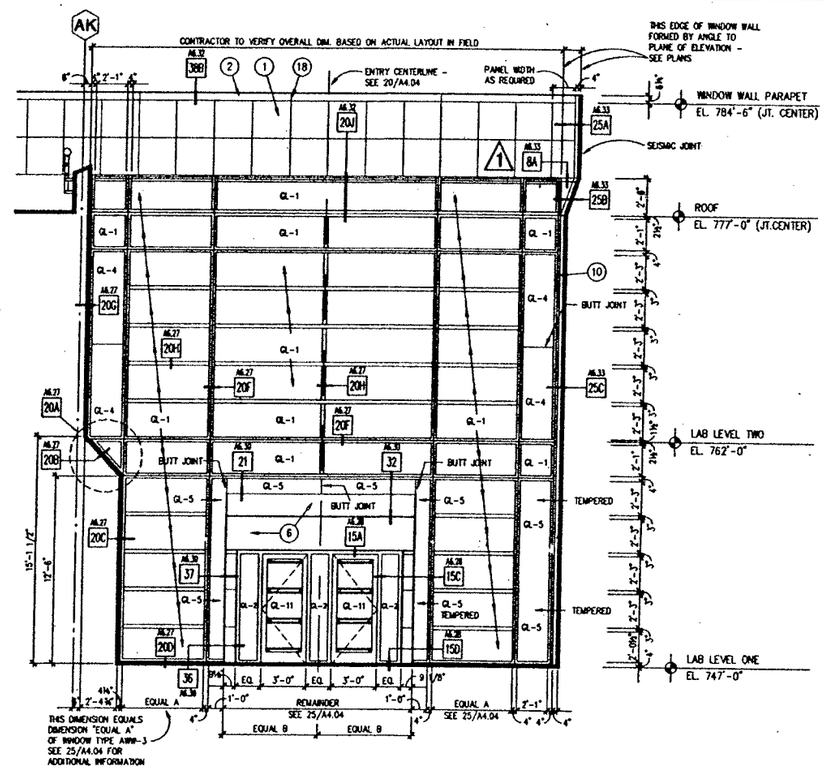
EXTERIOR ELEVATIONS EAST AND WEST FACADES

Project No. 19210.01
Date 15 MAY 91
B2 BULLETIN
Drawing No. A5.03

000610

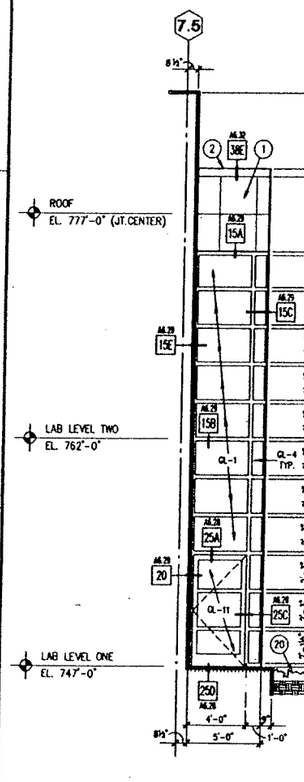


28 PARTIAL WEST ELEVATION
WINDOW WALL TYPE AWW-3

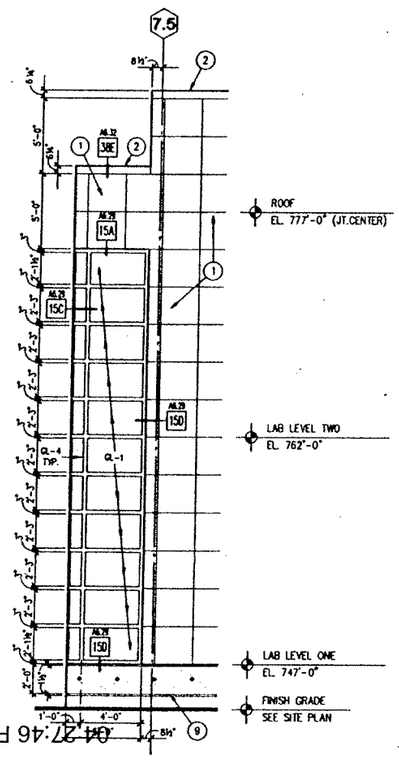


23 PARTIAL NORTH ELEVATION
WINDOW WALL TYPE AWW-2

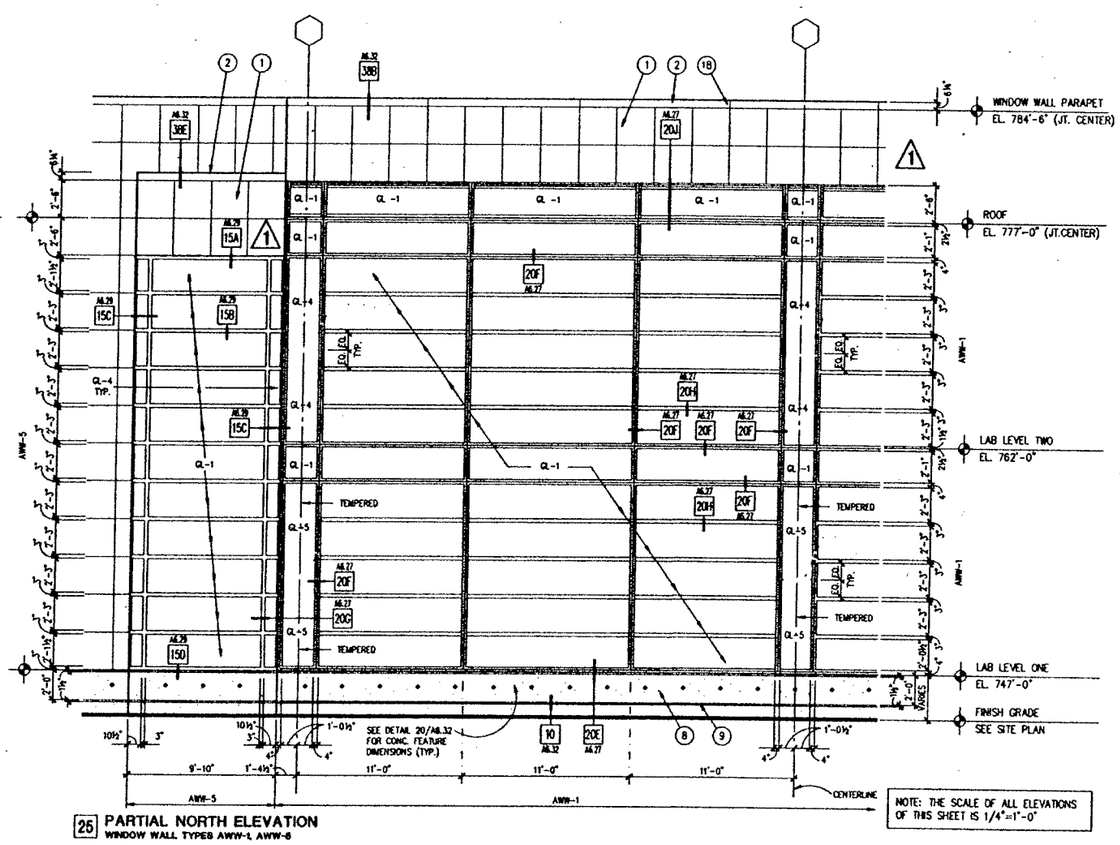
1. THE PURPOSE OF THIS SHEET IS TO COORDINATE THE EXTERIOR ELEVATION ELEMENTS OF ALL TRADES. LOCATIONS SHOWN ON OTHER DRAWINGS ARE SCHEMATIC, UNLESS OTHERWISE NOTED. THIS DRAWING TAKES PRECEDENCE FOR EXACT LOCATIONS OF ALL ITEMS.
2. CONTRACTOR SHALL VERIFY ALL DIMENSION AND LOCATIONS OF ALL ITEMS. COORDINATE INSTALLATION OF ALL ITEMS TO ENSURE ADEQUATE CLEARANCES FOR THE ELEVATION ELEMENTS AS SHOWN. NOTIFY THE ARCHITECT OF ANY CONFLICTS PRIOR TO COMMENCING CONSTRUCTION. DEVIATIONS FROM ELEVATION SHOWN MUST BE APPROVED IN ADVANCE BY THE ARCHITECT.
3. DIMENSIONS SHOWN ARE TO FACE OF FINISH. TYPICAL WHERE DIMENSION IS SHOWN TO A COMPOSITE METAL PANEL OR PRE-FORMED METAL PANEL JOINT. DIMENSION IS TO CENTERLINE OF JOINT. UNLESS OTHERWISE NOTED.
4. AT CAST-IN-PLACE CONCRETE WALL WITH ARCHITECTURAL FINISH, ALL CORNERS AND EDGES OF CONCRETE WALL TO BE STRAIGHT AND TRUE.
5. KEY NOTES NO. 18, NO. 17, AND NO. 16 BELOW ARE TYPICAL AT ALL LOCATIONS.
6. KEY NOTES SHOWN HERE ARE APPLICABLE TO ELEVATIONS ON SHEETS A5.04, A5.05, A5.06, AND A5.07. NOT ALL KEY NOTES SHOWN HERE ARE NECESSARILY USED ON THIS SHEET.
7. FOR ADDITIONAL INFORMATION REGARDING THE FEATURES SHOWN ON THIS SHEET, REFER TO THE PARTIAL BUILDING SECTIONS ON SHEETS A6.01 THRU A6.20 AND THE DETAIL WALL SECTIONS ON SHEETS A6.22 THRU A6.28.
8. FOR ADDITIONAL TYPICAL NOTES WHICH ARE APPLICABLE TO THIS SHEET, SEE "GENERAL NOTES" ON SHEET A0.01.
9. ALL EXTERIOR HOLLOW METAL DOORS AND FRAMES ARE TO BE PAINTED. SEE EXTERIOR COLOR SCHEDULE ON SHEET A5.05 FOR ADDITIONAL INFORMATION.
10. ON DETAIL ELEVATIONS, NOTATION "GL-7" INDICATES GLAZING TYPE. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.



40 PARTIAL EAST ELEVATION
WINDOW WALL TYPE AWW-6



35 PARTIAL WEST ELEVATION
WINDOW WALL TYPE AWW-6



25 PARTIAL NORTH ELEVATION
WINDOW WALL TYPES AWW-1, AWW-6

NOTE: THE SCALE OF ALL ELEVATIONS OF THIS SHEET IS 1/4"=1'-0"

1. COMPOSITE METAL PANEL (TYPE NO. 1 FOR EXTERIOR USE, COLOR NO. 1 UNLESS OTHERWISE NOTED) OVER METAL STUDS (5-6/8 INCH BY 18 GAUGE AT 16 INCHES O.C. MINIMUM - SEE DETAIL WALL SECTIONS FOR ACTUAL STUDS SIZES). EXCEPT AT PARAPETS. COMPOSITE METAL PANEL WALL ASSEMBLY INCLUDES 5/8 INCH TYPE X GYPSUM BOARD ON INTERIOR FACE AND R-11 THERMAL INSULATION IN STUD SPACE (SEE DETAIL WALL SECTIONS FOR ADDITIONAL INFORMATION).
2. 6 INCH EXTRUDED ALUMINUM CAP. ALIGN VERTICAL JOINTS IN CAP, WHERE OCCURS, WITH CORRESPONDING COMPOSITE METAL PANEL JOINT. SEE DETAILS ON SHEET A6.32.
3. PARAPET GUARDRAIL - TYPE ONE. SEE DETAIL 37A ON SHEET A6.32.
4. COMPOSITE METAL PANEL (TYPE 1 FOR EXTERIOR USE, COLOR NO. 1) SOFFIT.
5. PARAPET GUARDRAIL - TYPE THREE. SEE DETAIL 37C ON SHEET A6.32.
6. COMPOSITE METAL PANELS AT ENTRY VESTIBULE ARE COLOR NO. 2, UNLESS OTHERWISE NOTED. SEE ENTRY VESTIBULE DETAILS ON SHEET A5.30.
7. 1-1/2 INCH H.P.S. PAINTED STEEL PIPE GUARDRAIL. SEE DETAIL S ON SHEET A6.30 AND STAIR SECTIONS ON SHEETS A7.03 AND A7.04 FOR ADDITIONAL INFORMATION.
8. CAST-IN-PLACE CONCRETE WALL WITH ARCHITECTURAL FINISH. SEE DETAIL 20 ON SHEET A6.32 FOR TYPICAL PATTERN OF TIE HOLES AND REVEALS. ALL CORNERS AND EDGES OF CONCRETE WALL TO BE STRAIGHT AND TRUE.
9. 1-1/2 INCH WIDE CONCRETE REVEALS - SEE DETAIL 10 ON SHEET A6.32.
10. 4 INCH SEISMIC SEPARATION JOINT. SEE DETAILS ON SHEET A6.33.
11. 2 INCH DIAMETER MINIMUM ALUMINAR OR REFLECTIVE DOT.
12. WALL MOUNTED MECHANICAL EXHAUST FAN - SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
13. HIDDEN TUBE STEEL SUPPORT BEHIND GLAZING. SEE STRUCTURAL DRAWINGS AND DETAIL 35 ON SHEET A5.27.
14. WALL MOUNTED LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS.
15. REMOVEABLE CONCRETE PANEL TO ALLOW INSTALLATION OF FUTURE PHASE CHILLER. SEE STRUCTURAL DRAWINGS FOR DETAILS. FINISH TO MATCH ADJOINING CAST-IN-PLACE CONCRETE WALL WITH ARCHITECTURAL FINISH.
16. ALIGN CENTERLINE OF VERTICAL CONCRETE REVEALS WITH CENTERLINE OF CORRESPONDING COMPOSITE METAL PANEL JOINT ABOVE.
17. ALIGN CENTERLINE OF PARAPET GUARDRAIL SUPPORT POST WITH CENTERLINE OF CORRESPONDING COMPOSITE METAL PANEL JOINT BELOW.
18. ALIGN VERTICAL JOINTS IN EXTRUDED ALUMINUM CAP, WHERE OCCURS, WITH CORRESPONDING COMPOSITE METAL PANEL JOINT. SEE DETAILS ON SHEET A6.32.
19. TIE HOLES - SEE DETAIL 20 ON SHEET A6.32 FOR TYPICAL PATTERN OF TIE HOLES AND REVEALS.
20. LANDSCAPE PLANTER - SEE LANDSCAPE ARCHITECTURE DRAWINGS.
21. OVERFLOW SCUPPER - SEE DETAILS 21 AND 26 ON SHEET A6.34.

NOTE: KEY NOTES SHOWN HERE ARE APPLICABLE TO ELEVATIONS ON SHEETS A5.04, A5.05, A5.06, AND A5.07. NOT ALL KEY NOTES SHOWN HERE ARE NECESSARILY USED ON THIS SHEET.

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Revisions

No.		Date
	ADDENDUM NO. 3	8-27-91
1	BULLETIN NO. 2	1-24-92

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood - Los Angeles, California

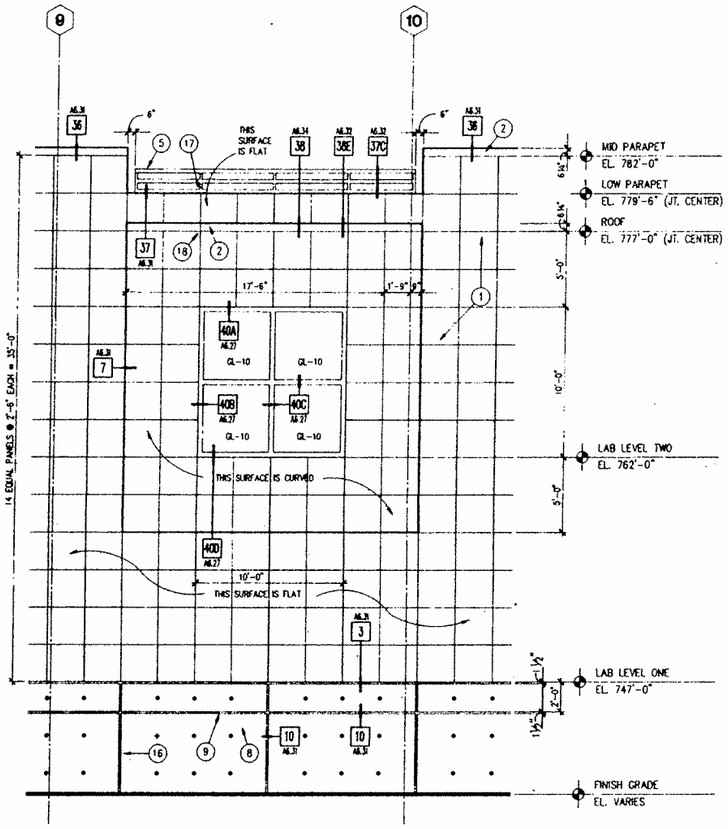
Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

EXTERIOR ELEVATIONS DETAIL VIEWS

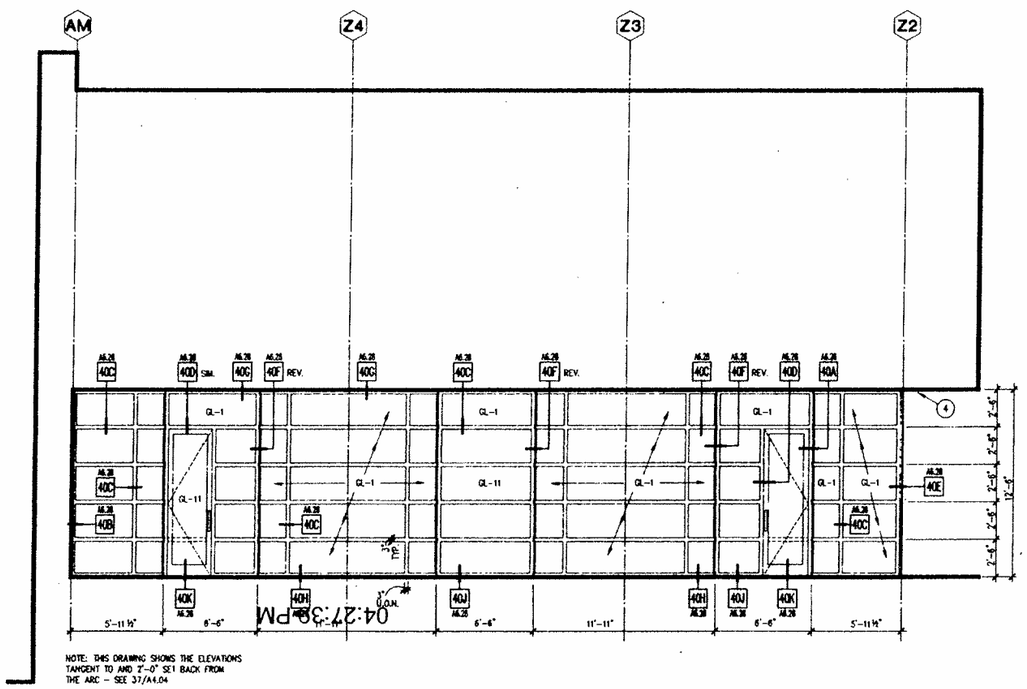
Project No.		Drawing No.
19210.01	B2	A5.04
Date 01 APR 91	BULLETIN	

DWG. FILE : 000055F4/ A5.04 / 15 JAN 92

000611

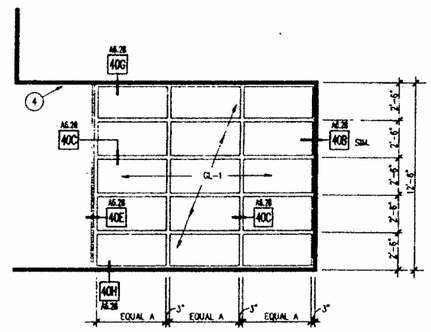


38 PARTIAL EAST ELEVATION
WINDOW TYPE AW-2



NOTE: THIS DRAWING SHOWS THE ELEVATIONS TANGENT TO AND 2'-0" SET BACK FROM THE ARC – SEE 37/A4.04

40 CAFETERIA - NORTH ELEVATION
WINDOW WALL TYPE AWW-4



20 CAFETERIA - WEST ELEVATION
WINDOW WALL TYPE AWW-4

NOTE: THE SCALE OF ALL ELEVATIONS OF THIS SHEET IS 3/32"=1'-0"

EXTERIOR COLOR SCHEDULE

ASSEMBLY	FINISH	COLOR	NOTES
METAL PARAPET COPING	PAINT OVER GALVANIZED METAL - SEE SECTION 09900	COLOR TO BE SELECTED BY THE ARCHITECT	
EXTRUDED ALUMINUM PARAPET CAP	FACTORY APPLIED ORGANIC COATING - SEE SECTIONS 05013 AND 07420	COLOR TO MATCH COMPOSITE METAL PANEL COLOR NO. 1	
PARAPET GUARDRAIL - TYPES 1, 2, AND 3	FIELD PAINT OVER GALVANIZED METAL - SEE SECTION 09900	COLOR TO MATCH INTERIOR PAINT PT-2	
PRE-FORMED METAL PANELS (MECHANICAL ROOF SCREEN)	FACTORY APPLIED, MULTI-LAYERED PROTECTIVE COATING - SEE SECTION 07410	COLOR TO MATCH COMPOSITE METAL PANEL COLOR NO. 1	
EXPOSED MISC. METAL SUPPORTS FOR PRE-FORMED METAL PANELS	EXPOSED GALVANIZED METAL - SEE SECTION 07410	NOT APPLICABLE	
EXTERIOR PORTLAND CEMENT PLASTER SURFACES	FIELD PAINT OVER SAND FLOAT FINISH CEM. PLAS. WITH INTHEGAL COLOR - SEE SECTION 09220	COLOR TO BE SELECTED BY ARCHITECT	
ALUMINUM LOUVERS - TYPE NO. 1	FACTORY APPLIED ORGANIC COATING - SEE SECTION 05013	COLOR TO MATCH COMPOSITE METAL PANEL COLOR NO. 1	
COMPOSITE METAL PANELS, TYPE NO. 1, COLOR NO. 1	FACTORY APPLIED ORGANIC COATING - SEE SECTIONS 05013 AND 07420	COLOR TO MATCH ARCHITECT'S SAMPLE OF ALUCOBOND SERIES B STANDARD PAINTED FINISH - "SEAFOAM METALLIC"	
COMPOSITE METAL PANELS,A TYPE NO. 1, COLOR NO. 2	FACTORY APPLIED ORGANIC COATING - SEE SECTIONS 05013 AND 07420	COLOR TO SELECTED BY ARCHITECT FROM RANGE OF ALUCOBOND SERIES A STANDARD PAINTED FINISHES	NOTE: COLORS UNDER CONSIDERATION ARE "ALABASTER" AND "BIRCH"
ALUMINUM WINDOW FRAMES	FACTORY APPLIED ORGANIC COATING - SEE SECTION 05013	COLOR TO MATCH COMPOSITE METAL PANEL COLOR NO. 2	
ALUMINUM DOORS	FACTORY APPLIED ORGANIC COATING - SEE SECTION 05013	COLOR TO MATCH COMPOSITE METAL PANEL COLOR NO. 2	
HOLLOW METAL DOORS AND FRAMES	FIELD PAINT OVER FACTORY PRIMED HOLLOW METAL - SEE SECTIONS 08112 AND 08113	COLOR TO BE SELECTED BY THE ARCHITECT	
ALUMINUM LOUVERS - TYPE NO. 2	FACTORY APPLIED ORGANIC COATING - SEE SECTION 05013	COLOR TO BE SELECTED BY THE ARCHITECT IN CONJUNCTION WITH SELECTION OF CAST-IN-PLACE CONCRETE COLOR.	
CAST-IN-PLACE CONCRETE WITH ARCHITECTURAL FINISH.	"SMOOTH-FINISHED" CONCRETE WITH NO BLEMISHES, PINS, OR OFFSETS. ALL CORNERS AND EDGES TO BE STRAIGHT AND TRUE. LOCATE REVEALS AND TIE HOLES IN PATTERN SHOWN. SPECIAL METAL FORMWORK MAY BE REQUIRED TO ACHIEVE DESIRED FINISH AND PATTERN. PLUG TIE HOLES LEAVING A 3/4" DEEP DEPRESSION EXPOSED. SEE SECTION 03300 - CONC. FINISH TYPE NO. 18	"WARM WHITE" NATURAL CONCRETE COLOR TO BE SELECTED AND APPROVED BY THE ARCHITECT UPON REVIEW OF CAST-IN-PLACE SAMPLES. COLOR MAY REQUIRE SPECIAL SAND, CEMENT, AND/OR AGGREGATE.	
GLASS-FIBRE REINFORCED CONCRETE (GFRC) COLUMN COVERS AT ARCADE	FINISH TO MATCH CAST-IN-PLACE CONCRETE WITH ARCHITECTURAL FINISH	COLOR TO MATCH CAST-IN-PLACE CONCRETE WITH ARCHITECTURAL FINISH	
BUILT-UP STEEL BEAMS AND CAPITALS AT ARCADE	FIELD PAINT OVER GALVANIZED STEEL - SEE SECTION 09900	COLOR TO MATCH INTERIOR PAINT PT-2	
EXTERIOR HANDRAILS AND GUARDRAILS	FIELD PAINT OVER GALVANIZED METAL PIPE - SEE SECTION 09900	COLOR TO BE SELECTED BY THE ARCHITECT	

SHEET NOTES

1. THE PURPOSE OF THIS SHEET IS TO COORDINATE THE EXTERIOR ELEVATION ELEMENTS OF ALL TRADES. LOCATIONS SHOWN ON OTHER DRAWINGS ARE SCHEMATIC, UNLESS OTHERWISE NOTED. THIS DRAWING TAKES PRECEDENCE FOR EXACT LOCATIONS OF ALL ITEMS.
2. CONTRACTOR SHALL VERIFY ALL DIMENSION AND LOCATIONS OF ALL ITEMS. COORDINATE INSTALLATION OF ALL ITEMS TO ENSURE ADEQUATE CLEARANCES FOR THE ELEVATION ELEMENTS AS SHOWN. NOTIFY THE ARCHITECT OF ANY CONFLICTS PRIOR TO COMMENCING CONSTRUCTION. DEVIATIONS FROM ELEVATION SHOWN MUST BE APPROVED IN ADVANCE BY THE ARCHITECT.
3. DIMENSIONS SHOWN ARE TO FACE OF FINISH. TYPICAL WHERE DIMENSION IS SHOWN TO A COMPOSITE METAL PANEL OR PRE-FORMED METAL PANEL JOINT, DIMENSION IS TO CENTERLINE OF JOINT. UNLESS OTHERWISE NOTED.
4. AT CAST-IN-PLACE CONCRETE WALL WITH ARCHITECTURAL FINISH, ALL CORNERS AND EDGES OF CONCRETE WALL TO BE STRAIGHT AND TRUE.
5. KEY NOTES NO.16, NO. 17, AND NO. 18 BELOW ARE TYPICAL AT ALL LOCATIONS.
6. KEY NOTES SHOWN HERE ARE APPLICABLE TO ELEVATIONS ON SHEETS A5.04, A5.05, A5.06, AND A5.07. NOT ALL KEY NOTES SHOWN HERE ARE NECESSARILY USED ON THIS SHEET.
7. FOR ADDITIONAL INFORMATION REGARDING THE FEATURES SHOWN ON THIS SHEET, REFER TO THE PARTIAL BUILDING SECTIONS ON SHEETS A6.01 THRU A6.20 AND THE DETAIL WALL SECTIONS ON SHEETS A6.22 THRU A6.26.
8. FOR ADDITIONAL TYPICAL NOTES WHICH ARE APPLICABLE TO THIS SHEET, SEE "GENERAL NOTES" ON SHEET A0.61.
9. ALL EXTERIOR HOLLOW METAL DOORS AND FRAMES ARE TO BE PAINTED. SEE EXTERIOR COLOR SCHEDULE ON SHEET A5.05 FOR ADDITIONAL INFORMATION.
10. ON DETAIL ELEVATIONS, NOTATION "GL-7" INDICATES GLAZING TYPE. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

KEY NOTES

1. COMPOSITE METAL PANEL (TYPE NO. 1 FOR EXTERIOR USE, COLOR NO. 1 UNLESS OTHERWISE NOTED) OVER METAL STUDS (4-5/8 INCH BY 18 GAUGE AT 16 INCHES O.C. MINIMUM - SEE DETAIL WALL SECTIONS FOR ACTUAL STUDS SIZES), EXCEPT AT PARAPETS. COMPOSITE METAL PANEL WALL ASSEMBLY INCLUDES 5/8 INCH TYPE X GYPSUM BOARD ON INTERIOR FACE AND R-11 THERMAL INSULATION IN STUD SPACE (SEE DETAIL WALL SECTIONS FOR ADDITIONAL INFORMATION).
2. 6 INCH EXTRUDED ALUMINUM CAP. ALIGN VERTICAL JOINTS IN CAP, WHERE OCCURS, WITH CORRESPONDING COMPOSITE METAL PANEL JOINT. SEE DETAILS ON SHEET A6.32.
3. PARAPET GUARDRAIL - TYPE ONE. SEE DETAIL 37A ON SHEET A6.32.
4. COMPOSITE METAL PANEL (TYPE 1 FOR EXTERIOR USE, COLOR NO. 1) SOFFIT.
5. PARAPET GUARDRAIL - TYPE THREE. SEE DETAIL 37C ON SHEET A6.32.
6. COMPOSITE METAL PANELS AT ENTRY VESTIBULE ARE COLOR NO. 2, UNLESS OTHERWISE NOTED. SEE ENTRY VESTIBULE DETAILS ON SHEET A6.30.
7. 1-1/2 INCH N.P.S. PAINTED STEEL PIPE GUARDRAIL. SEE DETAIL 5 ON SHEET A6.36 AND STAIR SECTIONS ON SHEETS A7.03 AND A7.04 FOR ADDITIONAL INFORMATION.
8. CAST-IN-PLACE CONCRETE WALL WITH ARCHITECTURAL FINISH. SEE DETAIL 35 ON SHEET A6.32 FOR TYPICAL PATTERN OF TIE HOLES AND REVEALS. ALL CORNERS AND EDGES OF CONCRETE WALL TO BE STRAIGHT AND TRUE.
9. 1-1/2 INCH WIDE CONCRETE REVEALS - SEE DETAIL 10 ON SHEET A6.32.
10. 4 INCH SEISMIC SEPARATION JOINT. SEE DETAILS ON SHEET A6.33.
11. 2 INCH DIAMETER MINIMUM ALUMINAR OR REFLECTIVE DOT.
12. WALL MOUNTED MECHANICAL EXHAUST FAN - SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
13. HIDDEN TUBE STEEL SUPPORT BEHIND GLAZING. SEE STRUCTURAL DRAWINGS AND DETAIL 35 ON SHEET A6.27.
14. WALL-MOUNTED LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS.
15. REMOVEABLE CONCRETE PANEL TO ALLOW INSTALLATION OF FUTURE PHASE CHILLER. SEE STRUCTURAL DRAWINGS FOR DETAILS. FINISH TO MATCH ADJOINING CAST-IN-PLACE CONCRETE WALL WITH ARCHITECTURAL FINISH.
16. ALIGN CENTERLINE OF VERTICAL CONCRETE REVEALS WITH CENTERLINE OF CORRESPONDING COMPOSITE METAL PANEL JOINT ABOVE.
17. ALIGN CENTERLINE OF PARAPET GUARDRAIL SUPPORT POST WITH CENTERLINE OF CORRESPONDING COMPOSITE METAL PANEL JOINT BELOW.
18. ALIGN VERTICAL JOINTS IN EXTRUDED ALUMINUM CAP, WHERE OCCURS, WITH CORRESPONDING COMPOSITE METAL PANEL JOINT. SEE DETAILS ON SHEET A6.32.
19. TIE HOLES - SEE DETAIL 20 ON SHEET A6.32 FOR TYPICAL PATTERN OF TIE HOLES AND REVEALS.
20. LANDSCAPE PLANTER - SEE LANDSCAPE ARCHITECTURE DRAWINGS.
21. OVERFLOW SCUPPER - SEE DETAILS 21 AND 26 ON SHEET A6.34.

NOTE: KEY NOTES SHOWN HERE ARE APPLICABLE TO ELEVATIONS ON SHEETS A5.04, A5.05, A5.06, AND A5.07. NOT ALL KEY NOTES SHOWN HERE ARE NECESSARILY USED ON THIS SHEET.

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Laboratory Architect

Laboratory Mechanical Engineer

Laboratory Electrical Engineer

Revisions

No.	Date

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

EXTERIOR ELEVATIONS DETAIL VIEWS

Project No.		Drawing No.
19210.01	B	A5.05
Date 01 APR 1991	BIDDING	

DWG. FILE : 000055F5/ A5.05 / 25 MAR 91

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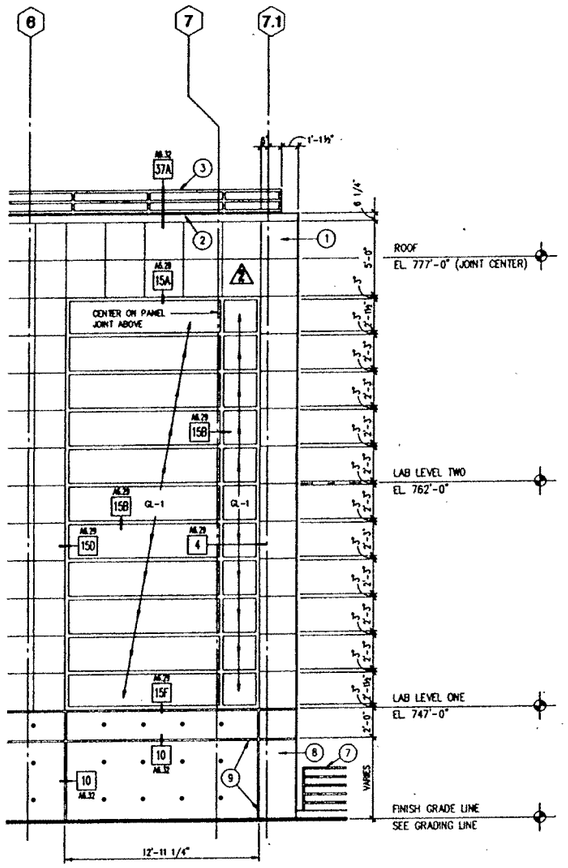
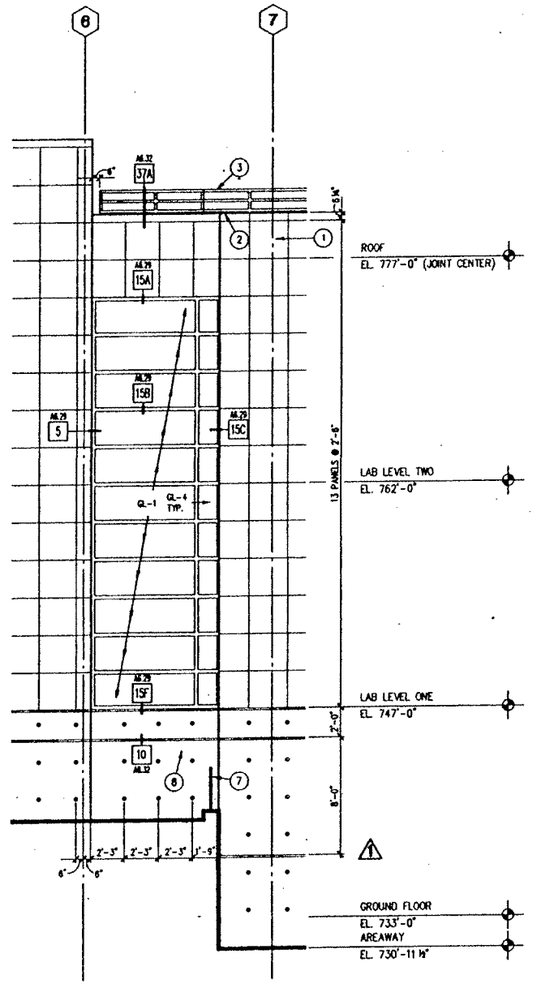
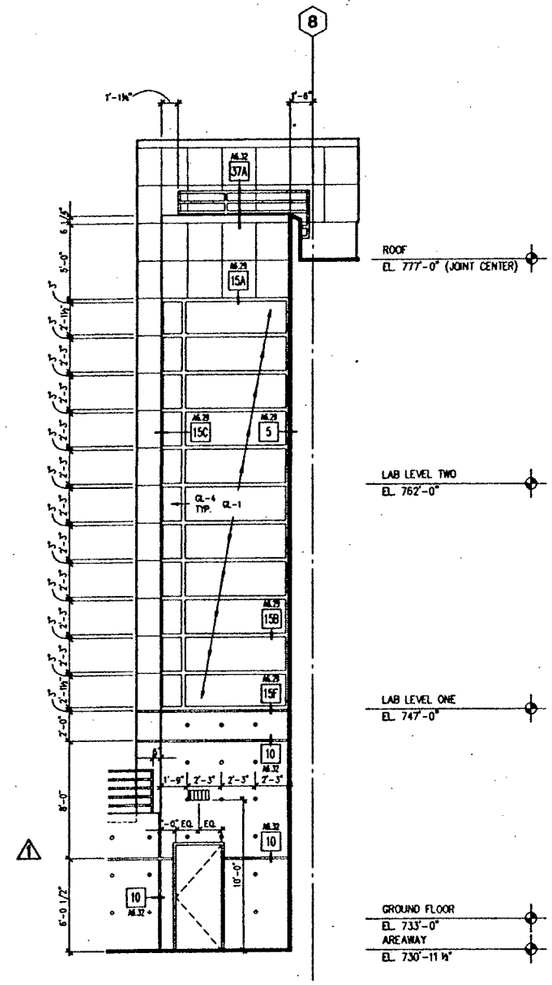


39 PARTIAL EAST ELEVATION
WINDOW WALL TYPE AWW-7



29 PARTIAL WEST ELEVATION
WINDOW WALL TYPE AWW-6



14 PARTIAL SOUTH ELEVATION
WINDOW WALL TYPE AWW-6

1. THE PURPOSE OF THIS SHEET IS TO COORDINATE THE EXTERIOR ELEVATION ELEMENTS OF ALL TRADES. LOCATIONS SHOWN ON OTHER DRAWINGS ARE SCHEMATIC, UNLESS OTHERWISE NOTED. THIS DRAWING TAKES PRECEDENCE FOR EXACT LOCATIONS OF ALL ITEMS.
2. CONTRACTOR SHALL VERIFY ALL DIMENSION AND LOCATIONS OF ALL ITEMS. COORDINATE INSTALLATION OF ALL ITEMS TO ENSURE ADEQUATE CLEARANCES FOR THE ELEVATION ELEMENTS AS SHOWN. NOTIFY THE ARCHITECT OF ANY CONFLICTS PRIOR TO COMMENCING CONSTRUCTION. DEVIATIONS FROM ELEVATION SHOWN MUST BE APPROVED IN ADVANCE BY THE ARCHITECT.
3. DIMENSIONS SHOWN ARE TO FACE OF FINISH. TYPICAL WHERE DIMENSION IS SHOWN TO A COMPOSITE METAL PANEL OR PRE-FORMED METAL PANEL JOINT, DIMENSION IS TO CENTERLINE OF JOINT. UNLESS OTHERWISE NOTED.
4. AT CAST-IN-PLACE CONCRETE WALL WITH ARCHITECTURAL FINISH, ALL CORNERS AND EDGES OF CONCRETE WALL TO BE STRAIGHT AND TRUE.
5. KEY NOTES NO. 16, NO. 17, AND NO. 18 BELOW ARE TYPICAL AT ALL LOCATIONS.
6. KEY NOTES SHOWN HERE ARE APPLICABLE TO ELEVATIONS ON SHEETS A5.04, A5.05, A5.06, AND A5.07. NOT ALL KEY NOTES SHOWN HERE ARE NECESSARILY USED ON THIS SHEET.
7. FOR ADDITIONAL INFORMATION REGARDING THE FEATURES SHOWN ON THIS SHEET, REFER TO THE PARTIAL BUILDING SECTIONS ON SHEETS A6.01 THRU A6.20 AND THE DETAIL WALL SECTIONS ON SHEETS A6.22 THRU A6.28.
8. FOR ADDITIONAL TYPICAL NOTES WHICH ARE APPLICABLE TO THIS SHEET, SEE "GENERAL NOTES" ON SHEET A0.01.
9. ALL EXTERIOR HOLLOW METAL DOORS AND FRAMES ARE TO BE PAINTED. SEE EXTERIOR COLOR SCHEDULE ON SHEET A8.05 FOR ADDITIONAL INFORMATION.
10. ON DETAIL ELEVATIONS, NOTATION "GL-7" INDICATES GLAZING TYPE. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

1. COMPOSITE METAL PANEL (TYPE NO. 1 FOR EXTERIOR USE, COLOR NO. 1 UNLESS OTHERWISE NOTED) OVER METAL STUDS (5-5/8 INCH BY 18 GAUGE AT 16 INCHES O.C. MINIMUM - SEE DETAIL WALL SECTIONS FOR ACTUAL STUDS SIZES). EXCEPT AT PARAPETS, COMPOSITE METAL PANEL WALL ASSEMBLY INCLUDES 5/8 INCH TYPE X GYPSUM BOARD ON INTERIOR FACE AND R-11 THERMAL INSULATION IN STUD SPACE (SEE DETAIL WALL SECTIONS FOR ADDITIONAL INFORMATION).
2. 6 INCH EXTRUDED ALUMINUM CAP. ALIGN VERTICAL JOINTS IN CAP, WHERE OCCURS, WITH CORRESPONDING COMPOSITE METAL PANEL JOINT. SEE DETAILS ON SHEET A6.32.
3. PARAPET GUARDRAIL - TYPE ONE. SEE DETAIL 37A ON SHEET A6.32.
4. COMPOSITE METAL PANEL (TYPE 1 FOR EXTERIOR USE, COLOR NO. 1) SOFFIT.
5. PARAPET GUARDRAIL - TYPE THREE. SEE DETAIL 37C ON SHEET A6.32.
6. COMPOSITE METAL PANELS AT ENTRY VESTIBULE ARE COLOR NO. 2, UNLESS OTHERWISE NOTED. SEE ENTRY VESTIBULE DETAILS ON SHEET A6.30.
7. 1-1/2 INCH N.P.S. PAINTED STEEL PIPE GUARDRAIL. SEE DETAIL 5 ON SHEET A6.36 AND STAIR SECTIONS ON SHEETS A7.03 AND A7.04 FOR ADDITIONAL INFORMATION.
8. CAST-IN-PLACE CONCRETE WALL WITH ARCHITECTURAL FINISH. SEE DETAIL 20 ON SHEET A6.32 FOR TYPICAL PATTERN OF TIE HOLES AND REVEALS. ALL CORNERS AND EDGES OF CONCRETE WALL TO BE STRAIGHT AND TRUE.
9. 1-1/2 INCH WIDE CONCRETE REVEALS - SEE DETAIL 10 ON SHEET A6.32.
10. 4 INCH SEISMIC SEPARATION JOINT. SEE DETAILS ON SHEET A6.33.
11. 2 INCH DIAMETER MINIMUM ALUMINAR OR REFLECTIVE DOT.
12. WALL MOUNTED MECHANICAL EXHAUST FAN - SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
13. HIDDEN TUBE STEEL SUPPORT BEHIND GLAZING. SEE STRUCTURAL DRAWINGS AND DETAIL 35 ON SHEET A6.27.
14. WALL MOUNTED LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS.
15. REMOVEABLE CONCRETE PANEL TO ALLOW INSTALLATION OF FUTURE PHASE CHILLER. SEE STRUCTURAL DRAWINGS FOR DETAILS. FINISH TO MATCH ADJOINING CAST-IN-PLACE CONCRETE WALL WITH ARCHITECTURAL FINISH.
16. ALIGN CENTERLINE OF VERTICAL CONCRETE REVEALS WITH CENTERLINE OF CORRESPONDING COMPOSITE METAL PANEL JOINT ABOVE.
17. ALIGN CENTERLINE OF PARAPET GUARDRAIL SUPPORT POST WITH CENTERLINE OF CORRESPONDING COMPOSITE METAL PANEL JOINT BELOW.
18. ALIGN VERTICAL JOINTS IN EXTRUDED ALUMINUM CAP, WHERE OCCURS, WITH CORRESPONDING COMPOSITE METAL PANEL JOINT. SEE DETAILS ON SHEET A6.32.
19. TIE HOLES - SEE DETAIL 20 ON SHEET A6.32 FOR TYPICAL PATTERN OF TIE HOLES AND REVEALS.
20. LANDSCAPE PLANTER - SEE LANDSCAPE ARCHITECTURE DRAWINGS.
21. OVERFLOW SCUPPER - SEE DETAILS 21 AND 25 ON SHEET A6.34.

NOTE: KEY NOTES SHOWN HERE ARE APPLICABLE TO ELEVATIONS ON SHEETS A5.04, A5.05, A5.06, AND A5.07. NOT ALL KEY NOTES SHOWN HERE ARE NECESSARILY USED ON THIS SHEET.

NOTE: THE SCALE OF ALL ELEVATIONS OF THIS SHEET IS 1/4"=1'-0"

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Laboratory Electrical Engineer

Revisions

No.		Date
1	BULLETIN NO. 1	11-11-91
2	BULLETIN NO. 2	1-24-92

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

EXTERIOR ELEVATIONS DETAIL VIEWS

Project No.		Drawing No.
19210.01	B2	A5.06
Date 01 APR 91	BULLETIN	

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DWG FILE : 000055F6 / A5.06 / 15 JAN 92

SHEET NOTES

1. THE PURPOSE OF THIS SHEET IS TO COORDINATE THE EXTERIOR ELEVATION ELEMENTS OF ALL TRADES. LOCATIONS SHOWN ON OTHER DRAWINGS ARE SCHEMATIC, UNLESS OTHERWISE NOTED. THIS DRAWING TAKES PRECEDENCE FOR EXACT LOCATIONS OF ALL ITEMS.
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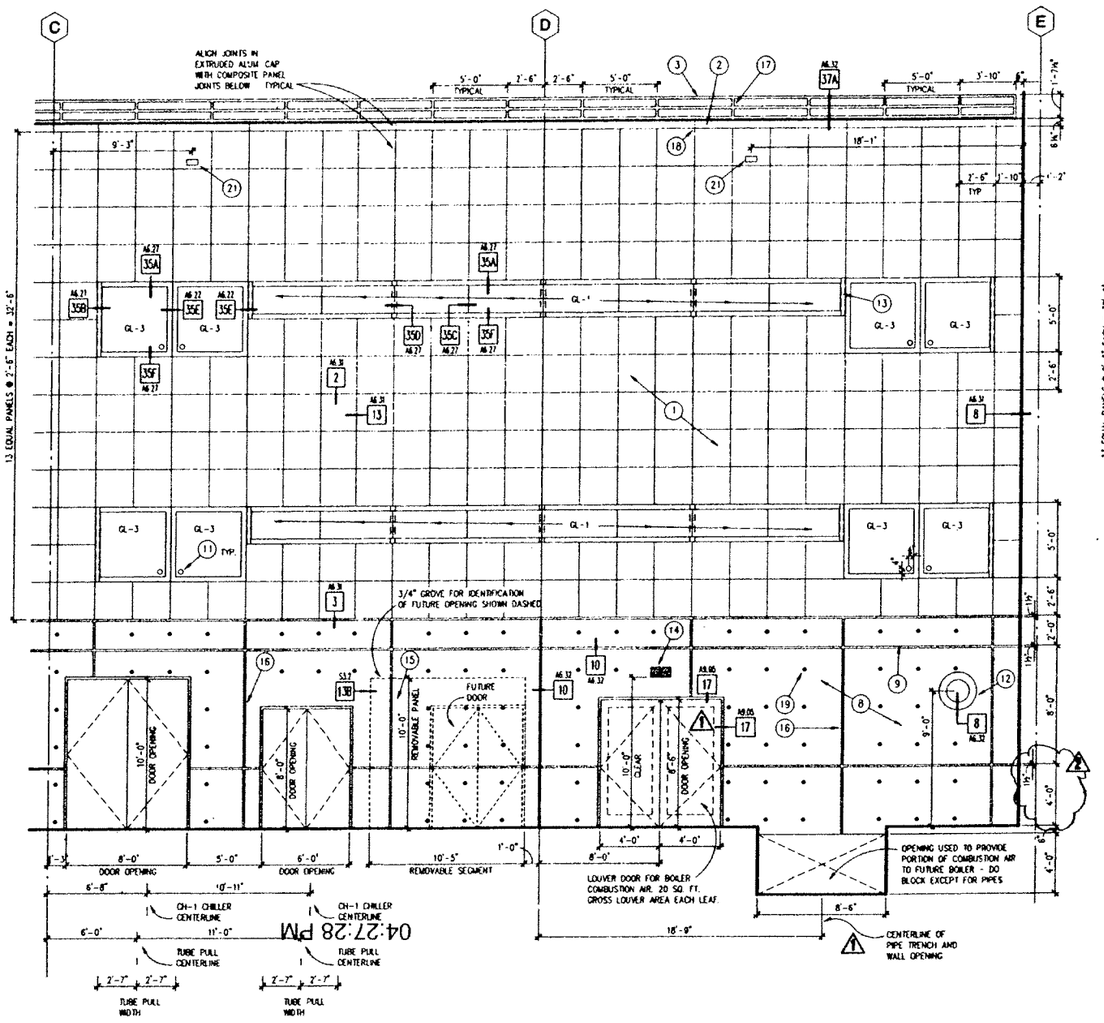
8. FOR ADDITIONAL TYPICAL NOTES WHICH ARE APPLICABLE TO THIS SHEET, SEE "GENERAL NOTES" ON SHEET A0.01.
9. ALL EXTERIOR HOLLOW METAL DOORS AND FRAMES ARE TO BE PAINTED. SEE EXTERIOR COLOR SCHEDULE ON SHEET A5.05 FOR ADDITIONAL INFORMATION.
10. ON DETAIL ELEVATIONS, NOTATION "GL-#" INDICATES GLAZING TYPE. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

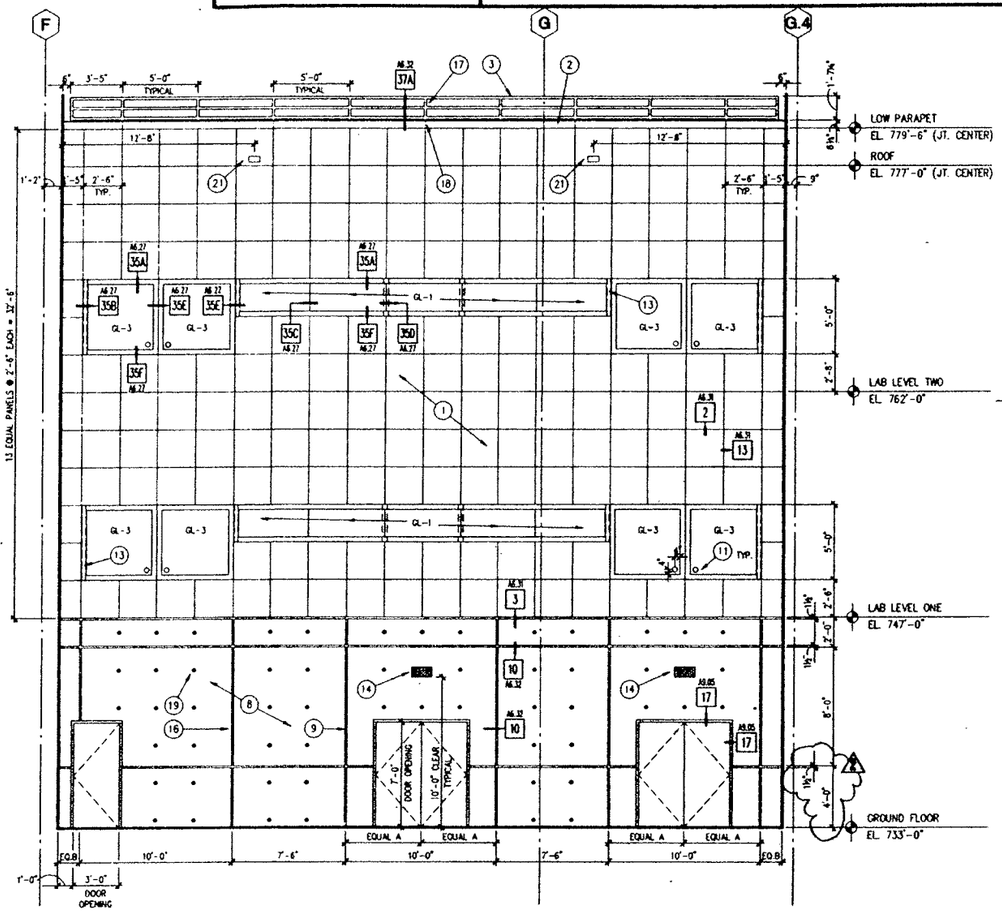
KEY NOTES

1. COMPOSITE METAL PANEL (TYPE NO. 1 FOR EXTERIOR USE, COLOR NO. 1 UNLESS OTHERWISE NOTED) OVER METAL STUDS (3-5/8 INCH BY 18 GAUGE AT 16 INCHES O.C. MINIMUM - SEE DETAIL WALL SECTIONS FOR ACTUAL STUDS SIZES). EXCEPT AT PARAPETS, COMPOSITE METAL PANEL WALL ASSEMBLY INCLUDES 5/8 INCH TYPE X (GYPSUM BOARD ON INTERIOR FACE AND R-11 THERMAL INSULATION IN STUD SPACE (SEE DETAIL WALL SECTIONS FOR ADDITIONAL INFORMATION).
2. 6 INCH EXTRUDED ALUMINUM CAP, ALIGN VERTICAL JOINTS IN CAP, WHERE OCCURS, WITH CORRESPONDING COMPOSITE METAL PANEL JOINT. SEE DETAILS ON SHEET A6.32.
3. PARAPET GUARDRAIL - TYPE ONE. SEE DETAIL 37A ON SHEET A6.32.
4. COMPOSITE METAL PANEL (TYPE 1 FOR EXTERIOR USE, COLOR NO. 1) SOFFIT.
5. PARAPET GUARDRAIL - TYPE THREE. SEE DETAIL 37C ON SHEET A6.32.
6. COMPOSITE METAL PANELS AT ENTRY VESTIBULE ARE COLOR NO. 2, UNLESS OTHERWISE NOTED. SEE ENTRY VESTIBULE DETAILS ON SHEET A6.30.
7. 1-1/2 INCH H.P.S. PAINTED STEEL PIPE GUARDRAIL. SEE DETAIL 5 ON SHEET A6.36 AND STAIR SECTIONS ON SHEETS A7.03 AND A7.04 FOR ADDITIONAL INFORMATION.
8. CAST-IN-PLACE CONCRETE WALL WITH ARCHITECTURAL FINISH. SEE DETAIL 28 ON SHEET A6.32 FOR TYPICAL PATTERN OF TIE HOLES AND REVEALS. ALL CORNERS AND EDGES OF CONCRETE WALL TO BE STRAIGHT AND TRUE.
9. 1-1/2 INCH WIDE CONCRETE REVEALS - SEE DETAIL 18 ON SHEET A6.32.
10. 4 INCH SEISMIC SEPARATION JOINT. SEE DETAILS ON SHEET A6.33.
11. 2 INCH DIAMETER MINIMUM ALUMINAR OR REFLECTIVE DOT.
12. WALL MOUNTED MECHANICAL EXHAUST FAN - SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
13. HIDDEN TUBE STEEL SUPPORT BEHIND GLAZING. SEE STRUCTURAL DRAWINGS AND DETAIL 35 ON SHEET A6.27.
14. WALL-MOUNTED LIGHT FIXTURE - SEE ELECTRICAL DRAWINGS.
15. REMOVEABLE CONCRETE PANEL TO ALLOW INSTALLATION OF FUTURE PHASE CHILLER. SEE STRUCTURAL DRAWINGS FOR DETAILS. FINISH TO MATCH ADJOINING CAST-IN-PLACE CONCRETE WALL WITH ARCHITECTURAL FINISH.
16. ALIGN CENTERLINE OF VERTICAL CONCRETE REVEALS WITH CENTERLINE OF CORRESPONDING COMPOSITE METAL PANEL JOINT ABOVE.
17. ALIGN CENTERLINE OF PARAPET GUARDRAIL SUPPORT POST WITH CENTERLINE OF CORRESPONDING COMPOSITE METAL PANEL JOINT BELOW.
18. ALIGN VERTICAL JOINTS IN EXTRUDED ALUMINUM CAP, WHERE OCCURS, WITH CORRESPONDING COMPOSITE METAL PANEL JOINT. SEE DETAILS ON SHEET A6.32.
19. TIE HOLES - SEE DETAIL 20 ON SHEET A6.32 FOR TYPICAL PATTERN OF TIE HOLES AND REVEALS.
20. LANDSCAPE PLANTER - SEE LANDSCAPE ARCHITECTURE DRAWINGS.
21. OVERFLOW SCUPPER - SEE DETAILS 21 AND 28 ON SHEET A6.34.

NOTE: KEY NOTES SHOWN HERE ARE APPLICABLE TO ELEVATIONS ON SHEETS A5.04, A5.05, A5.06, AND A5.07. NOT ALL KEY NOTES SHOWN HERE ARE NECESSARILY USED ON THIS SHEET.



40 PARTIAL SOUTH ELEVATION
WINDOW TYPE AW-3



20 PARTIAL SOUTH ELEVATION
WINDOW TYPE AW-4

NOTE: THE SCALE OF ALL ELEVATIONS OF THIS SHEET IS 1/4"=1'-0"

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Laboratory Electrical Engineer

Revisions

No.		Date
1	ADDENDUM NO. 2	6-18-91
2	BULLETIN NO. 1	

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood - Los Angeles California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

EXTERIOR ELEVATIONS DETAIL VIEWS

Project No. 19210 01

Date 01 APR 91

B 1
BULLETIN

Drawing No. A5.07

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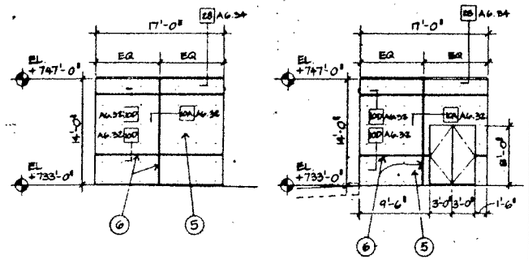
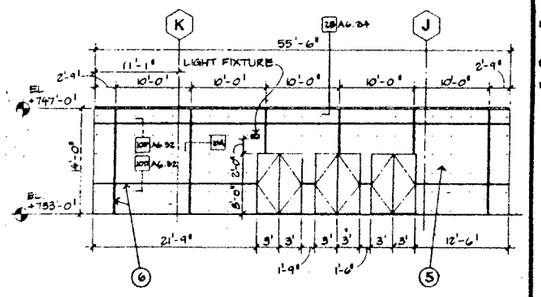
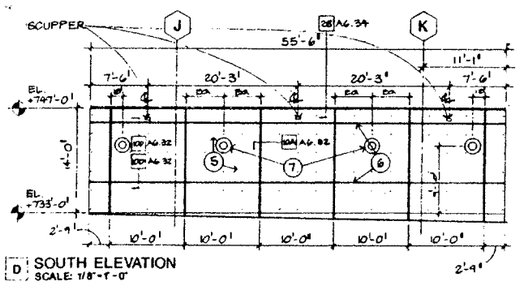


A WEST ELEVATION
SCALE: 1/8"=1'-0"

B EAST ELEVATION
SCALE: 1/8"=1'-0"

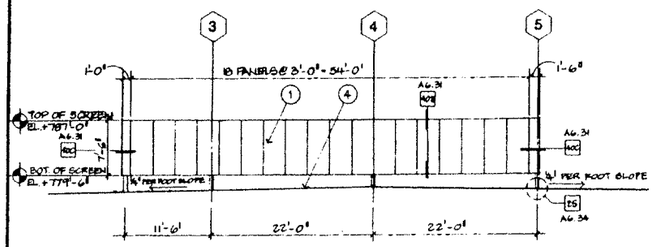


C NORTH ELEVATION
SCALE: 1/8"=1'-0"

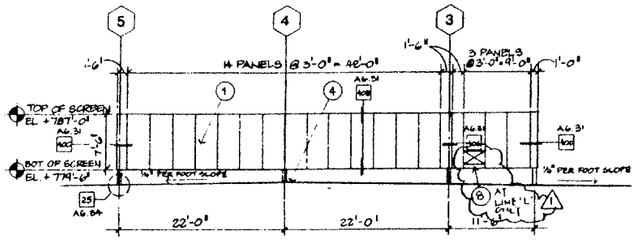


D SOUTH ELEVATION
SCALE: 1/8"=1'-0"

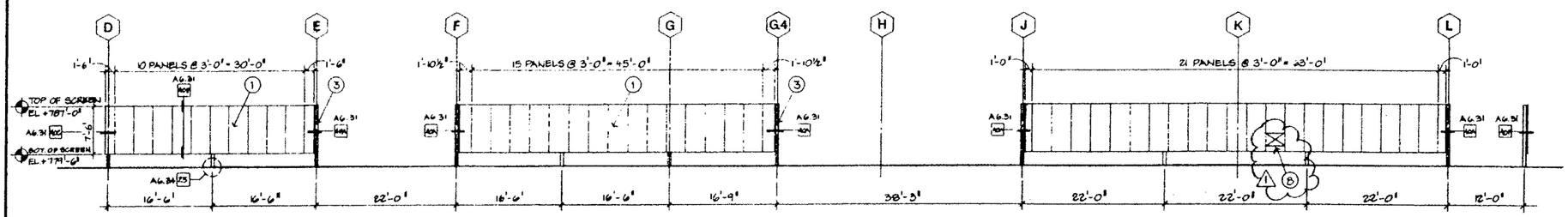
13 HAZARDOUS WASTE STORAGE



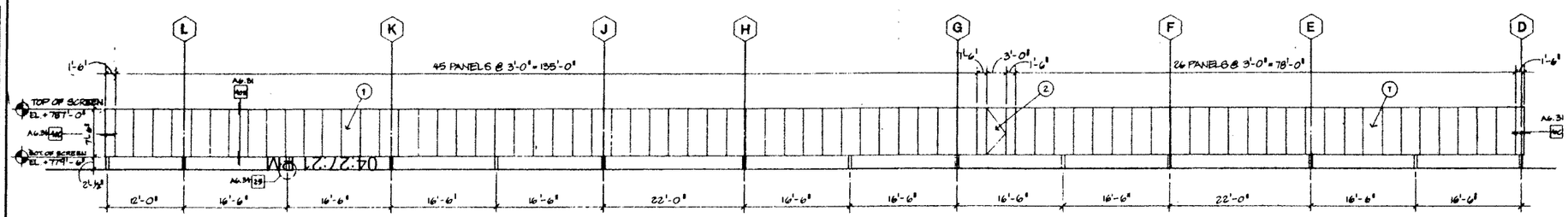
A EAST ELEVATION
SCALE: 1/8"=1'-0"



B WEST ELEVATION
SCALE: 1/8"=1'-0"



C SOUTH ELEVATION
SCALE: 1/8"=1'-0"



D NORTH ELEVATION
SCALE: 1/8"=1'-0"

40 MECHANICAL EQUIPMENT SCREEN @ ROOF

SHEET NOTES

1. THE PURPOSE OF THIS SHEET IS TO COORDINATE THE EXTERIOR ELEVATION ELEMENTS OF ALL TRADES. LOCATIONS SHOWN ON OTHER DRAWINGS ARE SCHEMATIC UNLESS OTHERWISE NOTED. THIS DRAWING TAKES PRECEDENCE FOR EXACT LOCATIONS OF ALL ITEMS.
2. CONTRACTOR SHALL VERIFY ALL DIMENSION AND LOCATIONS OF ALL ITEMS. COORDINATE INSTALLATION OF ALL ITEMS TO ENSURE ADEQUATE CLEARANCES FOR THE ELEVATION ELEMENTS AS SHOWN. NOTIFY THE ARCHITECT OF ANY CONFLICTS PRIOR TO COMMENCING CONSTRUCTION. DEVIATIONS FROM ELEVATION SHOWN MUST BE APPROVED IN ADVANCE BY THE ARCHITECT.
3. DIMENSIONS SHOWN ARE TO FACE OF FINISH. TYPICAL WHERE DIMENSION IS SHOWN TO A COMPOSITE METAL PANEL OR PRE-FORMED METAL PANEL JOINT, DIMENSION IS TO CENTERLINE OF JOINT. UNLESS OTHERWISE NOTED.
4. AT CAST-IN-PLACE CONCRETE WALL WITH ARCHITECTURAL FINISH, ALL CORNERS AND EDGES OF CONCRETE WALL TO BE STRAIGHT AND TRUE.
5. WHERE APPLICABLE, ALIGN VERTICAL JOINTS IN EXTRUDED ALUMINUM CAP WITH CORRESPONDING COMPOSITE METAL PANEL JOINT - TYPICAL AT ALL LOCATIONS.
6. WHERE APPLICABLE, ALIGN CENTERLINE OF VERTICAL CONCRETE REVEALS WITH CENTERLINE OF CORRESPONDING COMPOSITE METAL PANEL JOINT ABOVE.
7. WHERE APPLICABLE, ALIGN CENTERLINE OF PARAPET GUARDRAIL SUPPORT POST WITH CENTERLINE OF CORRESPONDING COMPOSITE METAL PANEL JOINT BELOW.
8. SEE DETAIL 20 ON SHEET A6.32 FOR TYPICAL PATTERN OF TIE HOLES AND REVEALS IN CAST-IN-PLACE CONCRETE WALLS WITH ARCHITECTURAL FINISH. ALL CORNERS AND EDGES OF CONCRETE WALL TO BE STRAIGHT AND TRUE.
9. FOR ADDITIONAL TYPICAL NOTES WHICH ARE APPLICABLE TO THIS SHEET, SEE "GENERAL NOTES" ON SHEET A0.01.
10. ALL EXTERIOR HOLLOW METAL DOORS AND FRAMES ARE TO BE PAINTED. SEE EXTERIOR COLOR SCHEDULE ON SHEET A5.05 FOR ADDITIONAL INFORMATION.

KEY NOTES

1. PRE-FORMED METAL PANEL MECHANICAL EQUIPMENT SCREEN - FOR ADDITIONAL INFORMATION, SEE ROOF PLANS ON SHEETS A2.07 AND A2.08.
2. ACCESS DOOR IN PRE-FORMED METAL PANEL SCREEN - FOR ADDITIONAL INFORMATION, SEE ROOF PLANS ON SHEETS A2.07 AND A2.08.
3. GALVANIZED TUBE STEEL SUPPORT FRAME FOR MECHANICAL EQUIPMENT SCREEN.
4. ROOF SLOPE SOUTH OF LINE "B" IS ACHIEVE THRU SLOPED STRUCTURAL ROOF SLAB.
5. CAST-IN-PLACE CONCRETE WITH ARCHITECTURAL FINISH. FINISH AND PATTERN TO MATCH THAT OF LABORATORY BUILDING PLINTH.
6. CONCRETE REVEAL - MATCH HEIGHTS OF CONCRETE REVEALS SHOWN ON LABORATORY BUILDING PLINTH.
7. WALL-MOUNTED MECHANICAL FAN - SEE MECHANICAL DRAWINGS FOR ADDITIONAL INFORMATION.
8. OPENING FOR MECHANICAL DUCT THROUGH PRE-FORMED METAL PANEL SCREEN WALL. DUCT TO PASS THROUGH WALL ABOVE BOTTOM TUBE FRAMING. CONTRACTOR TO COORDINATE ACTUAL LOCATION AND SIZE OF OPENING WITH MECHANICAL DUCT REQUIREMENTS.

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No.	Date
1	BULLETIN NO.1

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood - Los Angeles California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

EXTERIOR ELEVATIONS ROOF SCREEN AND STORAGE SHED

Project No		Drawing No.
19210.01	B1 BULLETIN	A5.08
Date 01 APR 91		

04/27/91 10:00

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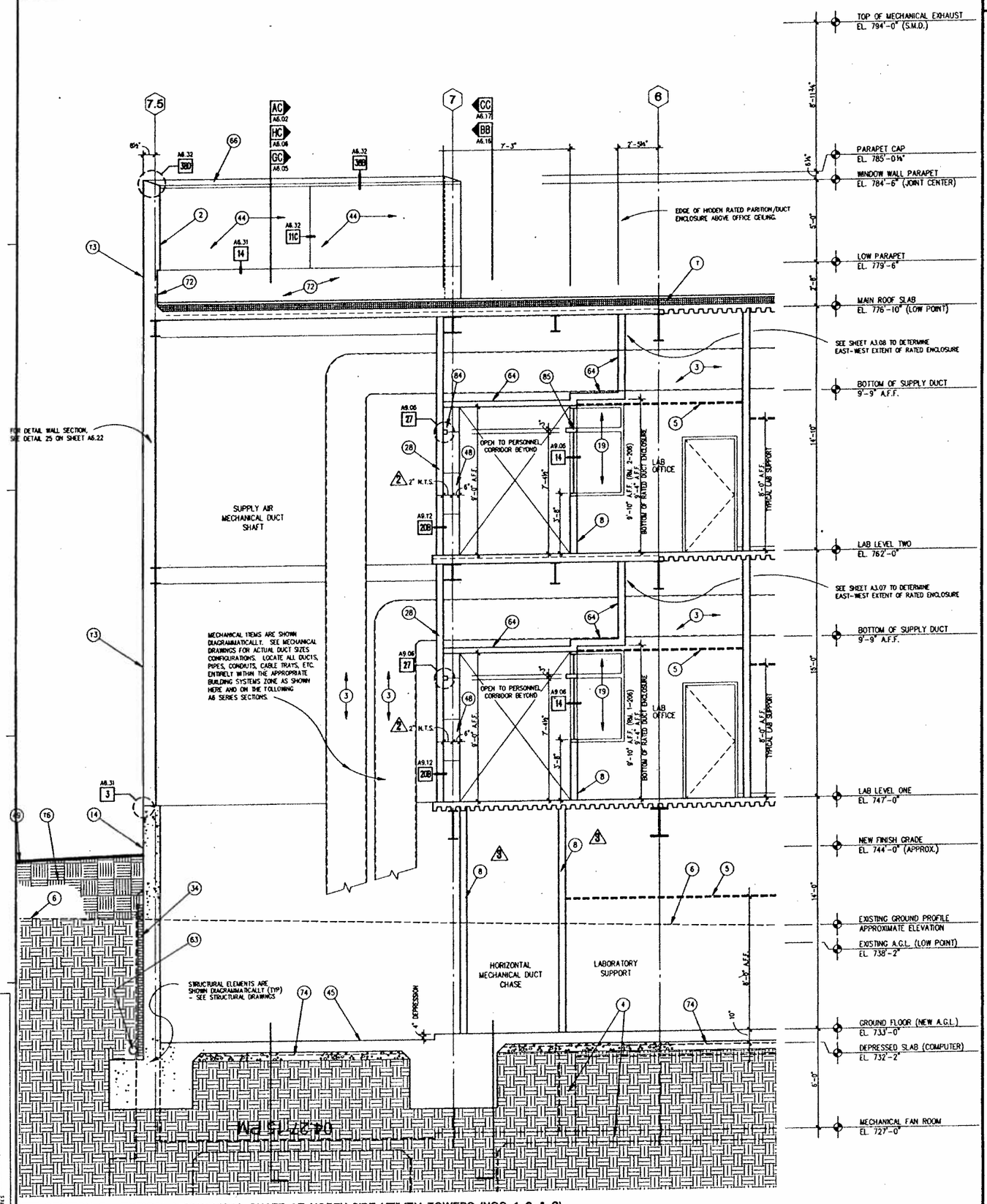

35 SECTION C - TYPICAL MECHANICAL SHAFT AT NORTH-SIDE UTILITY TOWERS (NOS. 1, 2, & 3)
SCALE: 3/8" = 1'-0"

SHEET NOTES

1. THE PURPOSE OF THE PARTIAL BUILDING SECTIONS SHOWN ON THIS SHEET AND SHEETS A6.02 THRU A6.20 IS TO DIAGRAMMATICALLY ILLUSTRATE THE OVERALL CONFIGURATION OF THE BUILDING AND THE RELATIONSHIP OF ITS PARTS. IT IS NOT INTENDED TO ILLUSTRATE IN DETAIL THE VARIOUS COMPONENTS SHOWN. STRUCTURAL ELEMENTS, MECHANICAL SYSTEM DETAILS, AND WALL ASSEMBLIES ARE SHOWN SCHEMATICALLY. FOR MORE DETAILED INFORMATION REGARDING THESE ELEMENTS, REFER TO THE INDICATED DETAILS AND/OR THE STRUCTURAL, ELECTRICAL, AND MECHANICAL DRAWINGS.
2. ADDITIONALLY, IT IS THE PURPOSE OF THE PARTIAL BUILDING SECTIONS SHOWN ON THIS SHEET AND SHEETS A6.02 THRU A6.20 TO ILLUSTRATE THE VARIOUS ZONES WHICH HAVE BEEN PROVIDED FOR THE VARIOUS ORGANIZED BUILDING SYSTEMS. IN ADDITION TO THE PARTIAL BUILDING SECTIONS, SEE ALSO THE ORGANIZED BUILDING SYSTEMS SECTIONS SHOWN ON SHEET A6.21.
3. ALL BUILDING SYSTEMS INCLUDING THE ELECTRICAL, MECHANICAL, AND PLUMBING SYSTEMS HAVE BEEN ORGANIZED INTO SEPARATE REPETITIVE, MODULAR ZONES. LOCATE ALL BUILDING SYSTEMS ELEMENTS ENTIRELY WITHIN THEIR RESPECTIVE ZONES. CAREFUL ADHERENCE TO THE ORGANIZED BUILDING SYSTEMS CONCEPT SHOWN IS NECESSARY TO MINIMIZE PRESENT AND FUTURE CONFLICTS BETWEEN SYSTEM AND ASSURE FLEXIBILITY FOR FUTURE LABORATORY RE-MODELING. REFER TO SHEET A6.21 FOR ADDITIONAL INFORMATION REGARDING THE ORGANIZED BUILDING SYSTEMS REQUIREMENTS.
4. ADDITIONALLY, IT IS THE PURPOSE OF THE A6.01 THRU A6.20 PARTIAL BUILDING SECTIONS TO SUPPLEMENT THE INTERIOR ELEVATIONS SHOWN IN THE A8 SERIES DRAWINGS. WHERE BOTH THE PARTIAL BUILDING SECTIONS AND THE A8 SERIES DRAWINGS SHOW THE SAME INTERIOR ELEVATION, THE INFORMATION PROVIDED ON THE A8 SERIES DRAWINGS SHALL GOVERN.
5. THE TYPICAL ARRANGEMENTS AND CONFIGURATIONS SHOWN HERE SHOULD BE USED AS A GUIDE FOR LOCATING SIMILAR ITEMS IN PORTIONS OF THE BUILDING FOR WHICH NO PARTIAL BUILDING SECTION IS PROVIDED.
6. FOR ADDITIONAL INFORMATION REGARDING ARCHITECTURAL FINISHES OF SPACES INDICATED ON THIS SHEET, REFER TO FINISH CODES SHOWN ON THE FLOOR PLANS AND ARCHITECTURAL FINISH SCHEDULE.
7. THE SHEET NOTES AND KEY NOTES SHOWN HERE ALSO APPLY TO SHEETS A6.02 THRU A6.20.
8. FOR INFORMATION REGARDING THE DETAILED ASSEMBLY OF THE EXTERIOR WALLS, REFER TO THE DETAIL WALL SECTIONS SHOWN ON SHEETS A6.22 THRU A6.26.
9. FOR TYPICAL VERTICAL DIMENSIONS OF THE NORTH-FACING MAIN WINDOW WALL (AWW-1), SEE ELEVATION 25 ON SHEET A3.04 AND SECTION 40 ON SHEET A6.04.
10. FOR ADDITIONAL NOTES WHICH ARE APPLICABLE TO THIS SHEET, REFER TO "GENERAL NOTES" ON SHEET A0.01.

KEY NOTES

1. INSULATED ROOF MEMBRANE ASSEMBLY (F.R.M.A.):
   12" x 12" X 2" CONCRETE ROOF PAVER BLOCKS (EXCEPT WHERE NOTED AS GRAVEL) OVER R-9.5 THERMAL INSULATION BOARD OVER E.P.D.M. ROOFING MEMBRANE. ROOF SLOPE (NOT SHOWN HERE) PROVIDED BY EITHER SLOPED STRUCTURE OR TAPERED INSULATION BOARD OVER A FLAT STRUCTURE - SEE ROOF PLANS (SHEETS A2.07 AND A2.08) TO DETERMINE WHICH CONDITION APPLIES. TYPICAL - ROOF SLOPE NORTH OF LINE "P" IS CREATED BY TAPERED INSULATION BOARD OVER FLAT CONCRETE SLAB.
2. PAINTED PORTLAND CEMENT PLASTER FINISH ON ROOF SIDE OF PARAPET ABOVE EL. 779'-6".
3. MECHANICAL DUCTS ARE SHOWN DIAGRAMMATICALLY - SEE MECHANICAL DRAWINGS FOR ACTUAL SIZES AND LOCATIONS. HOWEVER, LOCATE ALL DUCTS, PIPES, CONDUITS, CABLE TRAYS, ETC. ENTIRELY WITHIN THE APPROPRIATE BUILDING SYSTEMS ZONES AS SHOWN BY THIS DRAWINGS AND OTHER APPLICABLE ARCHITECTURAL DRAWINGS.
4. ALTERNATE LOCATION OF GROUND FLOOR STRUCTURE - WHERE OCCURS (SEE PLANS).
5. LINE OF ACOUSTIC TILE/PANEL CEILING - WHERE OCCURS. SEE REFLECTED CEILING PLANS FOR ADDITIONAL INFORMATION.
6. LINE OF EXISTING GRADE (APPROXIMATE).
7. PRE-MOLDED, GLASS-FIBRE REINFORCED GYPSUM (G.F.R.G.) VAULT WITH ALTERNATING SMOOTH AND TEXTURED SEGMENTS.
8. FIRE-RATED PARTITION - SEE INDICATED PARTITION TYPE ON PLANS.
9. PAINTED WOOD BULLNOSE CAP ON END OF SOFFIT. SEE INTERIOR ELEVATIONS.
10. LIGHT FIXTURE WITH CUSTOM WALL-MOUNTED SUPPORT BRACKETS EXTENDING FROM END OF SOFFIT. SEE INTERIOR ELEVATIONS AND ELECTRICAL DRAWINGS.
11. BOTTOM OF WOOD GRID FINISH CEILING SYSTEM SET FLUSH WITH BOTTOM OF W12 STRUCTURAL ELEMENTS - SEE SHEET A3.08 FOR LAYOUT RULES.
12. PAINTED STRUCTURAL STEEL FRAME ELEMENTS EXPOSED TO VIEW. CLEAN AND DRESS ALL WELDS AND CONNECTIONS PRIOR TO FINISH PAINTING.
13. COMPOSITE METAL PANEL (TYPE 1 FOR EXTERIOR USE - COLOR NO. 1 U.O.N.) EXTERIOR WALL ASSEMBLY. SEE TYPICAL EXTERIOR WALL SECTION DETAILS ON SHEET A6.22, A6.23, A6.24, A6.25, AND A6.26.
14. CAST-IN-PLACE CONCRETE WALL WITH ARCHITECTURAL CONCRETE FINISH - SEE ARCHITECTURAL ELEVATIONS. WALL THICKNESS VARIES (12 INCHES TYPICAL) - SEE EXTERIOR ELEVATIONS, STRUCTURAL DRAWINGS, AND DETAIL 20/A8.32 FOR ADDITIONAL INFORMATION.
15. GLASS AND ORGANIC-COATED ALUMINUM GLAZING SYSTEM - SEE ARCHITECTURAL ELEVATIONS.
16. NEW EARTH FILL - SEE CIVIL AND LANDSCAPE DRAWINGS, AS APPLICABLE.
17. OPEN SLOT FOR HIDDEN MECHANICAL DIFFUSER - PAINT DIFFUSER, VISIBLE PORTION OF DIFFUSER PLENUM, AND VISIBLE PORTION OF SUPPORTING STUDS FLAT BLACK. SEE DETAIL 20 ON SHEET A8.11.
18. COMPOSITE METAL PANEL (TYPE 1 FOR EXTERIOR USE, COLOR NO. 1) PARAPET.
19. 1/4" WIRE-GLASS (GLAZING TYPE GL-8) AND PAINTED HOLLOW METAL FRAME INTERIOR WINDOW.
    ALTERNATE GLAZING TYPE - PENDING APPROVAL BY LOS ANGELES DEPT. OF BUILDING & SAFETY: USE CLEAR GLASS (GLAZING TYPE GL-7) IN LIEU OF WIRE GLASS.
20. LABORATORY FURNITURE AND EQUIPMENT - SEE LABORATORY DRAWINGS.
21. PAINTED GYPSUM BOARD SOFFIT/CEILING.
22. 1-1/2 HOUR FIRE-RATED, HOLD-OPEN DOOR AT AREA SEPARATION WALL BEYOND (SHOWN CLOSED). DOOR AT INTERACTION LOUNGE SIMILAR EXCEPT FOR FIRE-RATING.
23. INTERIOR BALCONY GUARDRAIL. SEE INTERIOR ELEVATIONS ON SHEETS A8.07, A8.08, AND A8.09.
24. ORGANIC-COATED ALUMINUM DECORATIVE LOUVER (LOUVER TYPE 1). EXCEPT AS NOTE AT UTILITY TOWER NO. 5 (ELEVATOR VENT), THIS LOUVER IS INACTIVE AND BLANKED OFF. SEE EXTERIOR ELEVATIONS FOR SIZE AND LOCATION OF ACTIVE ELEMENT.
25. ONE-HOUR FIRE-RATED SHAFT SEPARATION WALL EXTENDING UP TO ROOF LINE - SEE INDICATED PARTITION TYPE ON PLANS.
26. PRE-FORMED METAL PANEL MECHANICAL EQUIPMENT SCREEN BEYOND - SEE ELEVATIONS ON SHEET A5.08. SEE EXTERIOR COLOR SCHEDULE ON SHEET A5.05 FOR FINISH INFORMATION.
27. CAST-IN-PLACE CONCRETE STAIR BETWEEN ROOF ELECTRICAL ROOM AND ROOF. STAIR IS FOR MAINTENANCE ACCESS ONLY.
28. ONE-HOUR FIRE-RATED SHAFT WALL - SEE INDICATED PARTITION TYPE ON PLANS.
29. FOR MORE DETAILS REGARDING ORGANIZED BUILDING SYSTEMS (DUCT, PIPE, AND CONDUITS) ZONES, SEE SECTIONS ON SHEET A6.21.
30. PAINTED METAL ROOF GUARDRAIL - TYPE AS INDICATED.
31. TUBE STEEL SUPPORT FRAME FOR MECHANICAL EQUIPMENT SCREEN - SEE TYPICAL ROOF DETAILS.
32. WIRE GLASS (GLAZING TYPE GL-9) AND PAINTED HOLLOW METAL FRAME INTERIOR WINDOW, WHERE OCCURS.
33. PAINTED PORTLAND CEMENT PLASTER EXTERIOR WALL ASSEMBLY - SEE WALL SECTIONS ON SHEET A6.25.
34. DRAINAGE PANELS OVER DAMP-PROOFING ON SUB-SURFACE CONCRETE WALLS - SEE SPECIFICATION SECTIONS 02700 AND 07500 AND STRUCTURAL AND CIVIL DRAWINGS, AS APPLICABLE.
35. WIRE MESH SCREEN BETWEEN ELEVATOR HOISTWAYS AND PITS.
36. ELEVATOR SEPARATOR BEAM - SEE STRUCTURAL DRWGS.
37. TWO-HOUR FIRE-RATED AREA SEPARATION WALL - SEE INDICATED PARTITION TYPE ON PLANS.
38. PAINTED HOLLOW METAL EXTERIOR DOORS.
39. GALVANIZED METAL ELEVATOR PIT LADDER.
40. ELEVATOR HOISTWAY VENTILATION LOUVER. SEE ALSO KEYNOTE NO. 24.
41. PAINTED PORTLAND CEMENT PLASTER SOFFIT WITH REVEAL AROUND ALL SIDES OF PERIMETER.
42. DUCT OPENING IN CONCRETE WALL - SEE STRUCTURAL DRAWINGS.
43. 8 INCH RAISED CONCRETE CURB AT EDGE OF EXHAUST SHAFT AT ROOF LEVEL.
44. PAINTED PORTLAND CEMENT PLASTER ON BACK OF PARAPET BEYOND. LOCATE PLASTER JOINTS EQUALLY AND SYMMETRICALLY ACROSS EXTENT OF SURFACE BUT NOT EXCEEDING 10'-0" ON CENTER. FOR ADDITIONAL INFORMATION, SEE EXTERIOR ELEVATIONS AND DETAIL WALL SECTIONS.
45. DEPRESS BOTTOM OF DUCT SHAFT 8 INCHES BELOW SURROUNDING FLOOR LEVEL.
46. AREA SEPARATION WALL PARAPET EXTENDS TO EL. 781'-0" FOR CONSTRUCTION. SEE DETAIL 5 ON SHEET A6.34.
47. 10 INCH RAISED COMPUTER ACCESS FLOOR. TOP OF FLOOR SET FLUSH WITH ADJOINING FLOOR LEVEL.
48. COMPOSITE METAL PANEL (TYPE 2 FOR INTERIOR USE - COLOR NO. 1 U.O.N.) INTERIOR WALL ASSEMBLY.
49. LINE OF NEW FINISH GRADE (APPROXIMATE) - SEE CIVIL AND/OR LANDSCAPE DRAWINGS, AS APPLICABLE.
50. ORGANIC-COATED ALUMINUM OUTSIDE AIR INTAKE LOUVER (LOUVER TYPE 2).
51. 1-1/2 HOUR FIRE-RATED, HOLD-OPEN DOOR POCKET (DOOR SHOWN OPEN). DOOR AT INTERACTION LOUNGE SIMILAR EXCEPT FOR FIRE-RATING.
52. PAINTED STEEL COLUMN BASE DECORATIVE CLOSURE DETAIL BETWEEN FLANGES AND WEB OF COLUMN - SEE SHEET A5.11 FOR DETAILS.
53. CARPET OVER CARPET PAD - SEE FINISH SCHEDULE.
54. DOUBLE SEGMENT WOOD BASE.
55. BUMP AND RUB RAILS - SEE INTERIOR ELEVATIONS.
56. SLOPE EXTERIOR CONCRETE PAVING AWAY FROM BUILDING (TYPICAL AT ALL LOCATIONS) - SEE CIVIL AND/OR LANDSCAPE DRAWINGS AS APPLICABLE.
57. LOADING DOCK SHOWN BEYOND.
58. LINE OF CONCRETE/GYPSUM BOARD TRANSITION.
59. SEISMIC JOINT ASSEMBLY AT ROOF - SEE INDICATED DETAILS AND TYPICAL ROOF DETAILS SHEET.
60. SEISMIC JOINT AT BRIDGE BETWEEN LABORATORY AND ADMINISTRATION WINGS - SEE PLANS.
61. LINE OF WALLS AND CEILING BEYOND.
62. LOW LEVEL EXIT PATH MARKING DEVICE (CONFORM WITH SECTION 3314(F) OF THE 1990 LABC) MOUNTED BETWEEN TOP AND BOTTOM SEGMENTS OF WOOD BASE.
63. SUB-SURFACE PERIMETER DRAIN - SEE STRUCTURAL DRAWINGS.
64. ONE-HOUR FIRE-RATED GYPSUM BOARD AND METAL STUD HORIZONTAL DUCT ENCLOSURE - ENCLOSURE AND PARTITIONS FORM A FIRE-RATED TUNNEL FOR CORRIDOR ALLOWING DUCTS TO PASS ABOVE WITHOUT FIRE-DAMPERS.
65. CONCRETE (VOID FORMED) ROOF DUCT PLENUM BASE - SEE TYPICAL ROOF DETAILS SHEET AND STRUCTURAL DRAWINGS.
66. 8 INCH EXTRUDED ALUMINUM PARAPET CAP.
67. CORNER GUARD - SEE INTERIOR ELEVATIONS.
68. ELECTRICAL BUS DUCT AND BUS DUCT PLUG-IN UNIT. SEE ELECTRICAL DRAWINGS.
69. TELEPHONE AND DATA CABLE TRAY - SEE ELEC. DRWGS.
70. LIGHT FIXTURE MOUNTED TO BOTTOM OF UNISTRUT BUILDING SYSTEMS SUPPORT SYSTEM - SEE ELEC. DRWGS.
71. PAINTED STEEL PIPE GUARDRAIL - SEE EXTERIOR ELEVATIONS AND STAIR SECTIONS.
72. E.P.D.M. PARAPET BASE FLASHING - SEE DETAILS ON SHEET A6.31, A6.32, AND A6.34.
73. ROOF WALL DRAIN - SEE DETAIL ON SHEET A6.34.
74. MOISTURE BARRIER BELOW CONCRETE SLAB ON GRADE - SEE STRUCTURAL DRAWINGS.
75. PAINTED GYPSUM BOARD WALL.
76. CUSTOM RETURN AIR GRILLE - SEE TYPICAL PERSONNEL GALLERY DETAILS SHEET.
77. WALL-MOUNTED LIGHT FIXTURE - SEE ELEC. DRWGS.
78. LOW LEVEL EXIT SIGN (CONFORM WITH SECTION 3314(E) OF THE 1990 LABC) MOUNTED AS SHOWN ON WALL ADJACENT TO EXIT DOOR FRAME. OPPOSITE INTERIOR ELEVATION IS SIMILAR.
79. RECESSED LIGHT FIXTURE - SEE ELEC. DRWGS.
80. 42 INCH HIGH BY 4 INCH WIDE GUARDRAIL POST CENTERED IN 10-1/2 INCH WIDE GAP BETWEEN COLUMN AND COMPOSITE METAL PANEL WALL.
81. STEEL COLUMN AND BRACED FRAME DECORATIVE CLOSURE DETAIL BETWEEN FLANGES AND WEB OF COLUMN - FOR DETAILS, SEE SHEET A8.11.
82. COMPOSITE METAL PANEL (TYPE 1 FOR EXTERIOR USE, COLOR NO.1) SOFFIT AT CAFETERIA ARCADE. SEE DETAIL WALL SECTIONS FOR ADDITIONAL INFORMATION.
83. INTERLOCKING CONCRETE PAVERS OVER 1 INCH SAND SETTING BED OVER FILTER FABRIC. SLOPE PAVERS TO DRAIN WITH SLOPE OF 1/4 INCH PER 12 INCHES MINIMUM. SEE DETAILS ON SHEET A6.37.
84. PAINTED HOLLOW METAL TRIM PIECE. TRIM PIECE IS A CONTINUATION OF EXTENDED INTERMEDIATE HORIZONTAL MULLION AT LABORATORY WINDOW.
85. PAINTED HOLLOW METAL EXTENDED INTERMEDIATE HORIZONTAL MULLION.
86. PAINTED HOLLOW METAL DOOR FRAME. FRAME IS A CONTINUATION OF EXTENDED INTERMEDIATE HORIZONTAL MULLION AT LABORATORY WINDOW - SEE SHEETS A8.07, A8.08, AND A8.09 AND DETAILS ON SHEET A9.06.
87. PAINTED HOLLOW METAL "BRIDGE" WITH LIGHT FIXTURE OVER LAB ENTRY ALCOVE. "BRIDGE" IS A CONTINUATION OF EXTENDED INTERMEDIATE HORIZONTAL MULLION AT LABORATORY WINDOW - SEE DETAILS ON SHEET A8.08.
88. BRANCH ELECTRICAL CONDUITS - SEE ELECTRICAL DRAWINGS.
89. CAST-IN-PLACE CONCRETE COLUMN BASE WITH ARCHITECTURAL CONCRETE FINISH TO MATCH THAT OF LABORATORY BUILDING PLINTH. SEE SHEET A6.37 FOR DETAILS.
90. SEE KEY NOTE NO. 82 ABOVE.
91. CAST-IN-PLACE CONCRETE RETAINING WALL WITH ARCHITECTURAL CONCRETE FINISH TO MATCH THAT OF LABORATORY BUILDING PLINTH. TOP OF RETAINING WALL AT EL. 746'-11 1/2". SEE SHEET A6.37 AND LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION.
92. ARCADE GUARDRAIL: 1-1/2 INCH DIA. N.P.S. PAINTED STEEL PIPE GUARDRAIL AND INTERMEDIATE RAILS. SEE DETAILS ON SHEET A6.36.
93. GLASS-FIBRE REINFORCED CONCRETE COLUMN COVER, PAINTED BUILT-UP STEEL PLATE COLUMN CAPITALS, AND PAINTED BUILT-UP STEEL PLATE BEAMS. SEE DETAILS ON SHEETS A6.35 AND A6.37.

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3	BULLETIN NO. 2	1-24-92

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PARTIAL BUILDING SECTION

SCALE: 3/8 INCH EQUALS 1 FOOT

Project No.		Drawing No.
19210.01	B2 BULLETIN	A6.01
Date 15 MAY 91		

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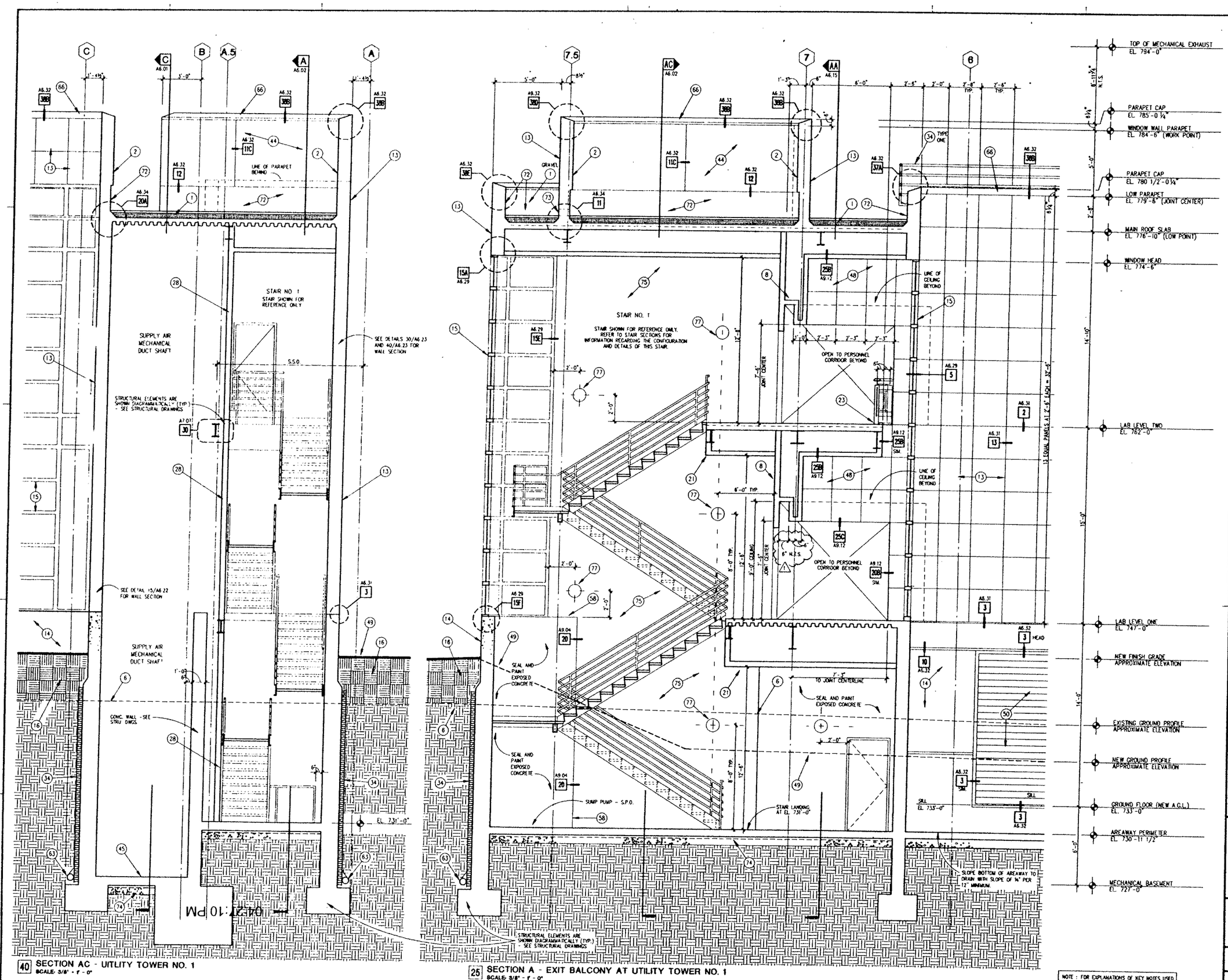

40 SECTION AC - UITLITY TOWER NO. 1
SCALE: 3/8" = 1' - 0"

25 SECTION A - EXIT BALCONY AT UTILITY TOWER NO. 1
SCALE: 3/8" = 1' - 0"

NOTE : FOR EXPLANATIONS OF KEY NOTES USED ON THIS SHEET - SEE SHEET A6.01

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Revisions

No.	Date
3 BULLETIN NO. 1	

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PARTIAL BUILDING SECTIONS

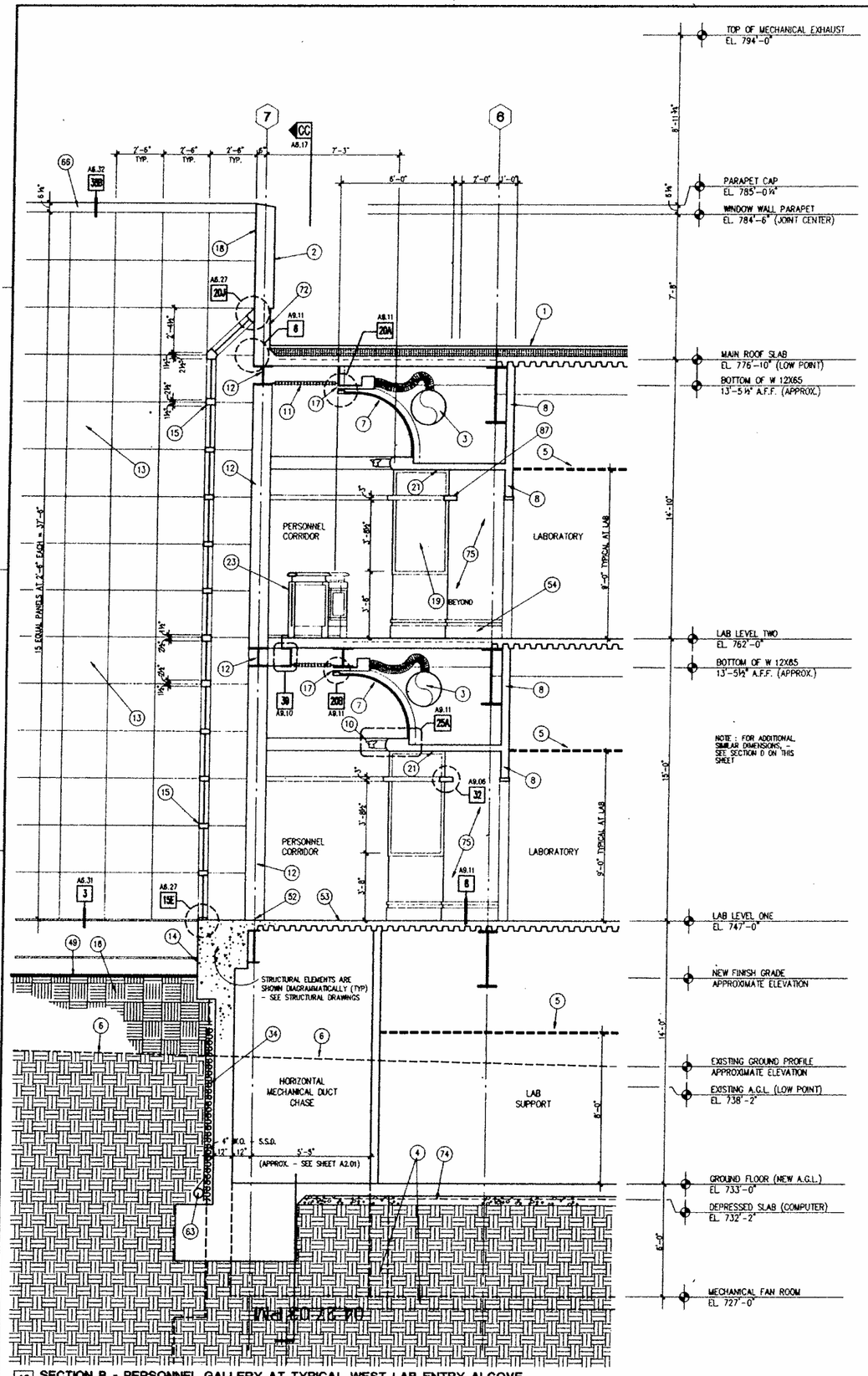
SCALE 3/8 INCH EQUALS 1 FOOT

Project No. 19210.01

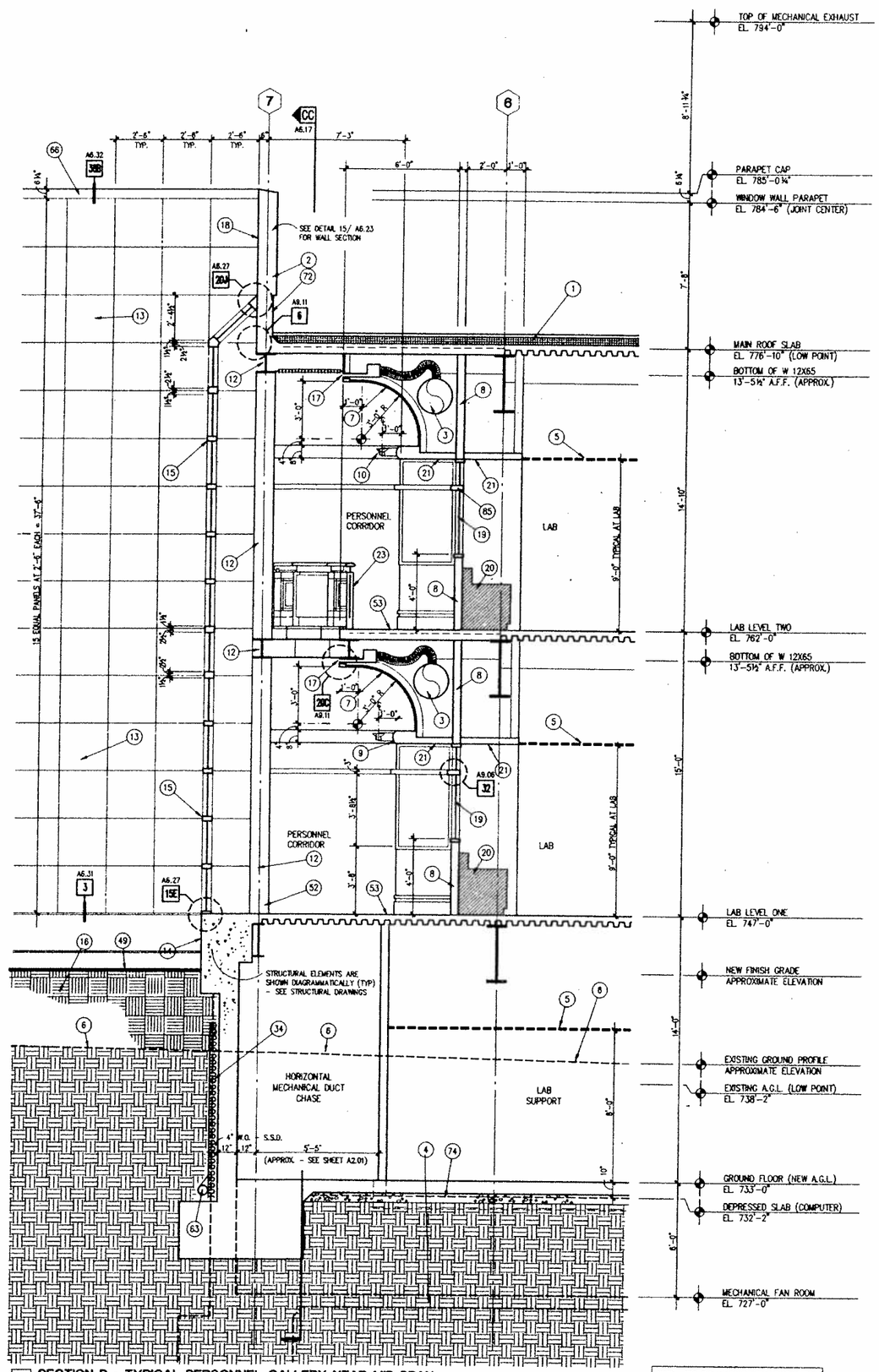
Date 01 APR 91

B 1 BULLETIN

Drawing No. A6.02



40 SECTION B - PERSONNEL GALLERY AT TYPICAL WEST LAB ENTRY ALCOVE
SCALE: 3/8" = 1' - 0"



20 SECTION D - TYPICAL PERSONNEL GALLERY NEAR MID-SPAN
SCALE: 3/8" = 1' - 0"

NOTE : FOR EXPLANATIONS OF KEY NOTES USED ON THIS SHEET - SEE SHEET A6.01

DWG: FILE : 000055P3 / A6.03 / 19 FEB 91

SHEET NOTES SCALE

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Project No.		Drawing No.
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Date 01 APR. 1991	BIDDING	

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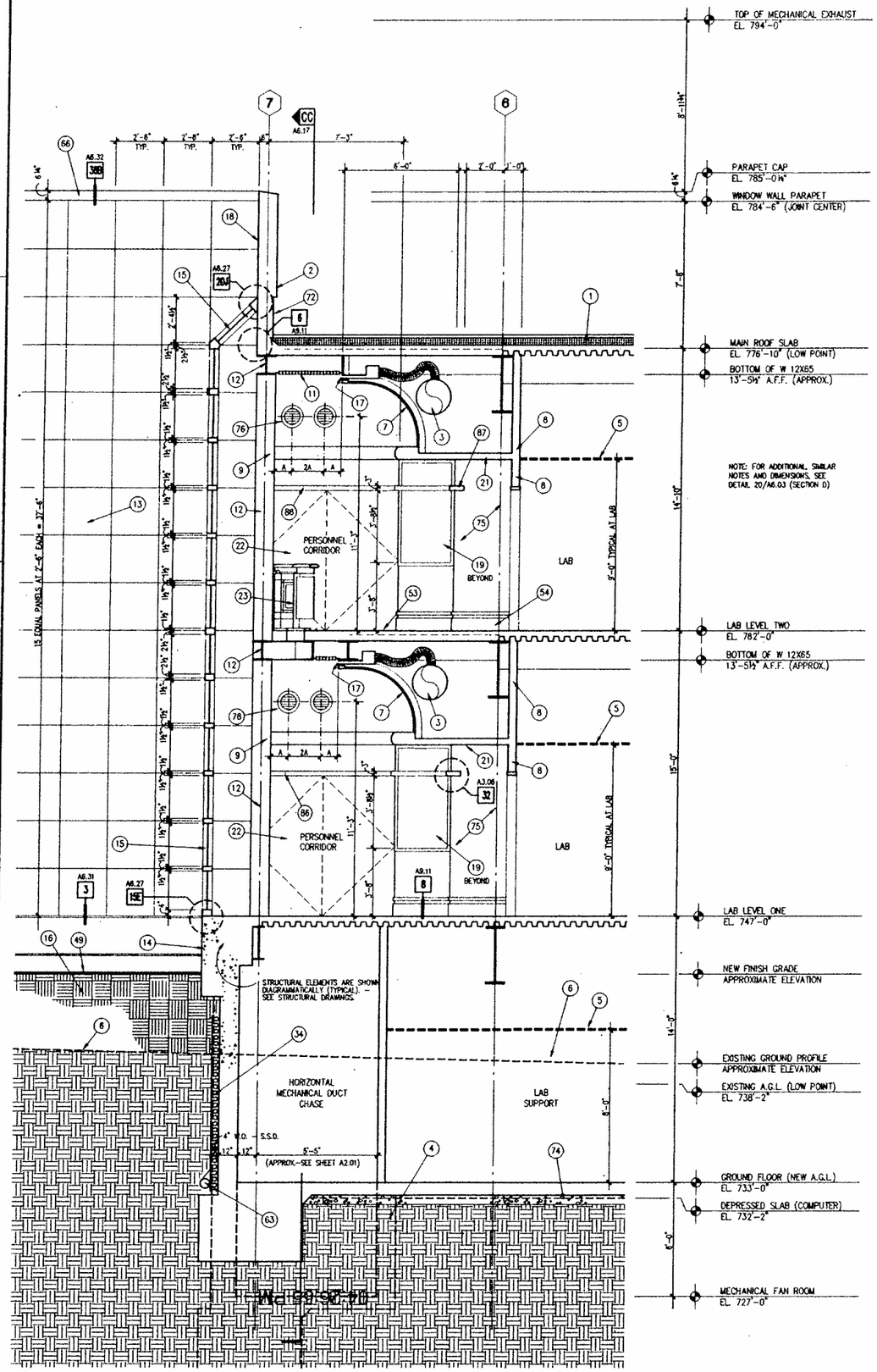
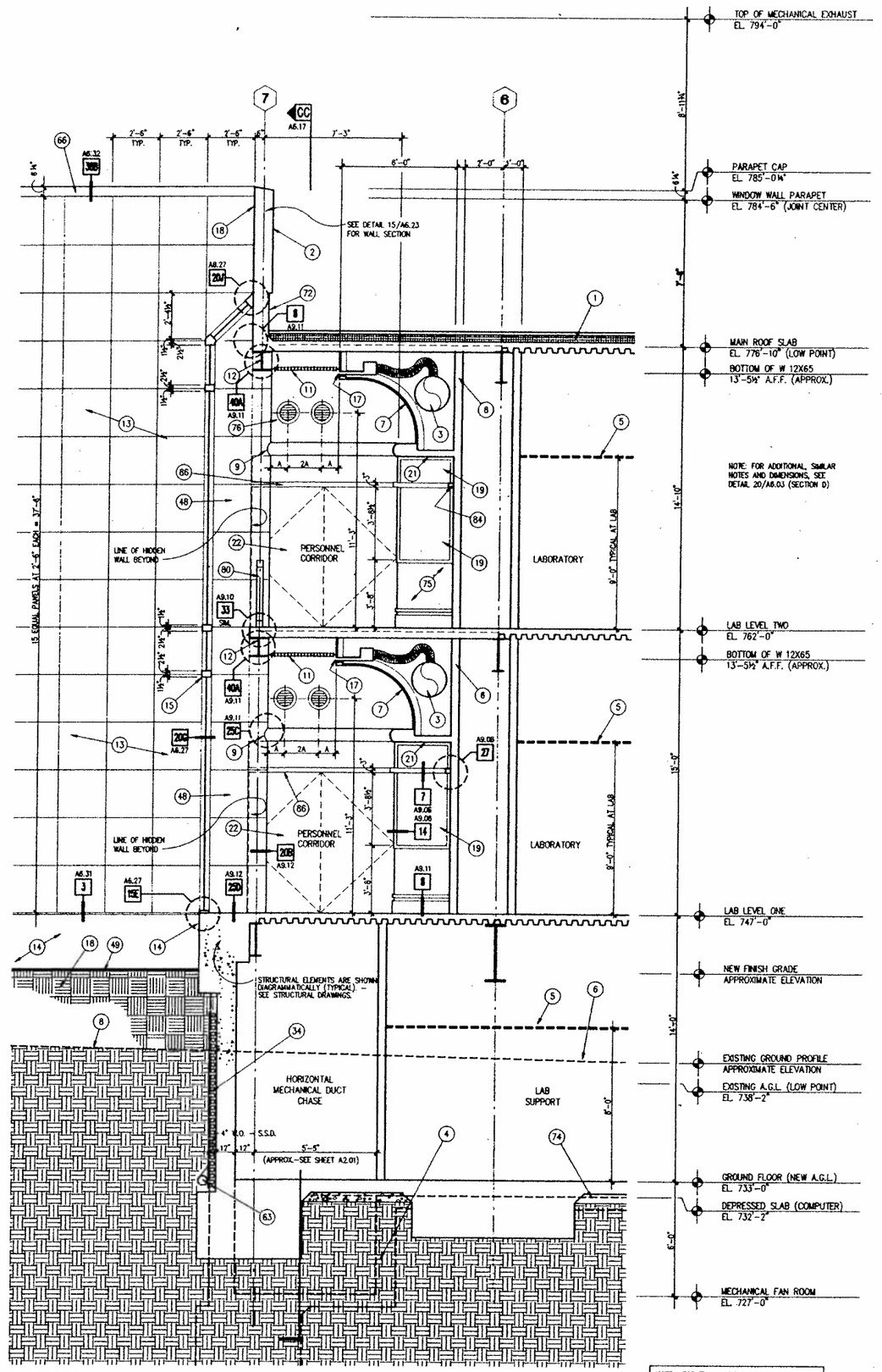


40 SECTION E - PERSONNEL GALLERY AT TYPICAL EAST LAB ENTRY ALCOVE DOOR
SCALE: 3/8" = 1'-0"



20 SECTION E - PERSONNEL GALLERY ADJACENT TO UTILITY TOWER
SCALE: 3/8" = 1'-0"

NOTE: FOR EXPLANATIONS OF KEY NOTES USED ON THIS SHEET - SEE SHEET A6.01

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Date 01 APR. 1991	BIDDING	

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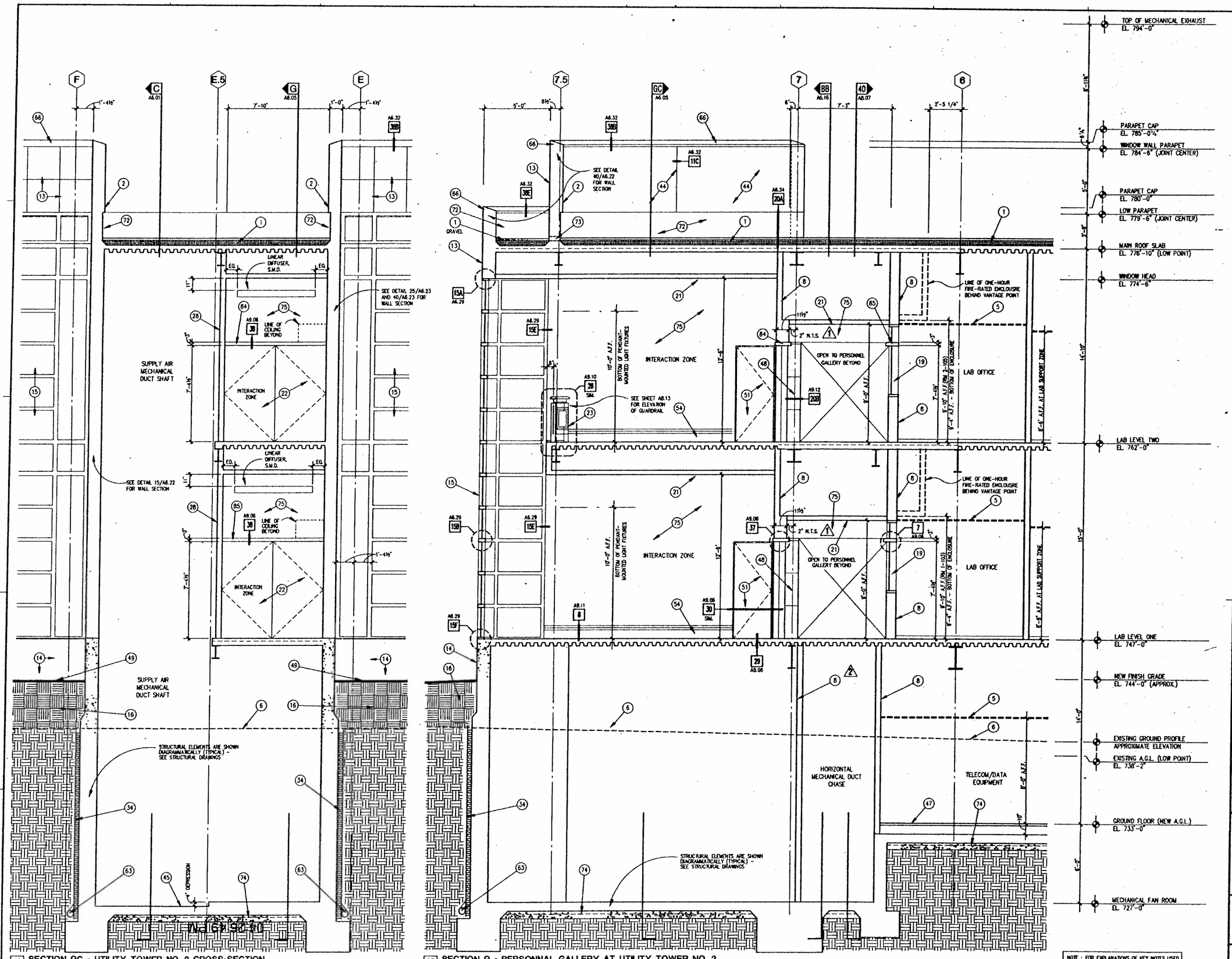

40 SECTION GC - UTILITY TOWER NO. 2 CROSS-SECTION
SCALE: 3/8" = 1'-0"

25 SECTION G - PERSONNAL GALLERY AT UTILITY TOWER NO. 2
SCALE: 3/8" = 1'-0"

NOTE: FOR EXPLANATIONS OF KEY NOTES USED ON THIS SHEET - SEE SHEET A6.01

DWG. FILE: 000055P5 / A6.05 / 15 JAN 92

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SCALE: 3/8 INCH EQUALS 1 FOOT

Project No.		Drawing No.
19210.01	B2 BULLETIN	A6.05
Date 01 APR 91		

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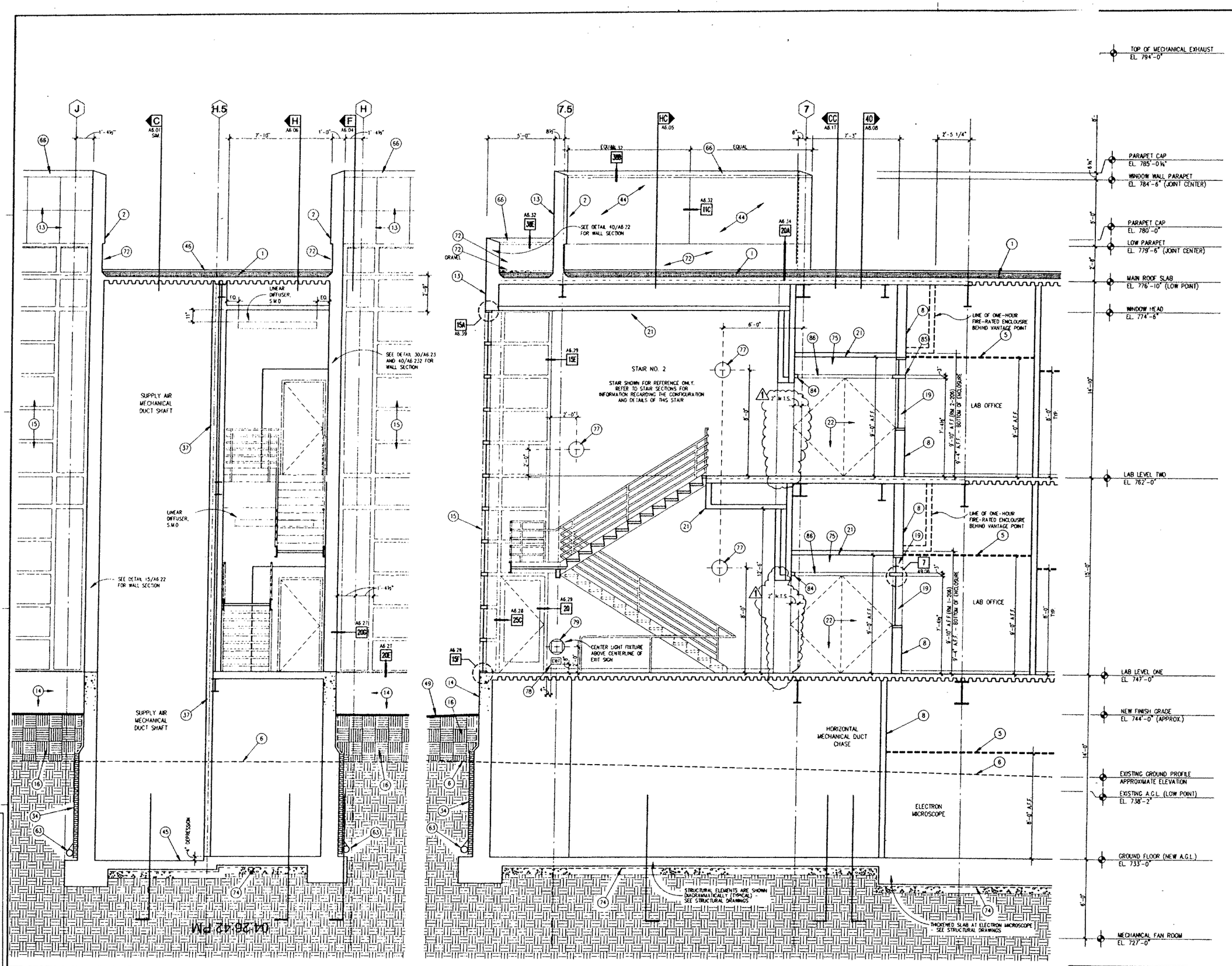

40 SECTION HC - UTILITY TOWER NO. 3
SCALE: 3/8" = 1' - 0"

25 SECTION H - PERSONNAL GALLERY AT UTILITY TOWER NO. 3
SCALE: 3/8" = 1' - 0"

KEY NOTES BLDG.
A6.06
CADD FILE: 000055P6
PATTERN

DWG. FILE: 000055P6 / A6.06 / 19 SEP 91

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B 1 BULLETIN

Drawing No. A6.06

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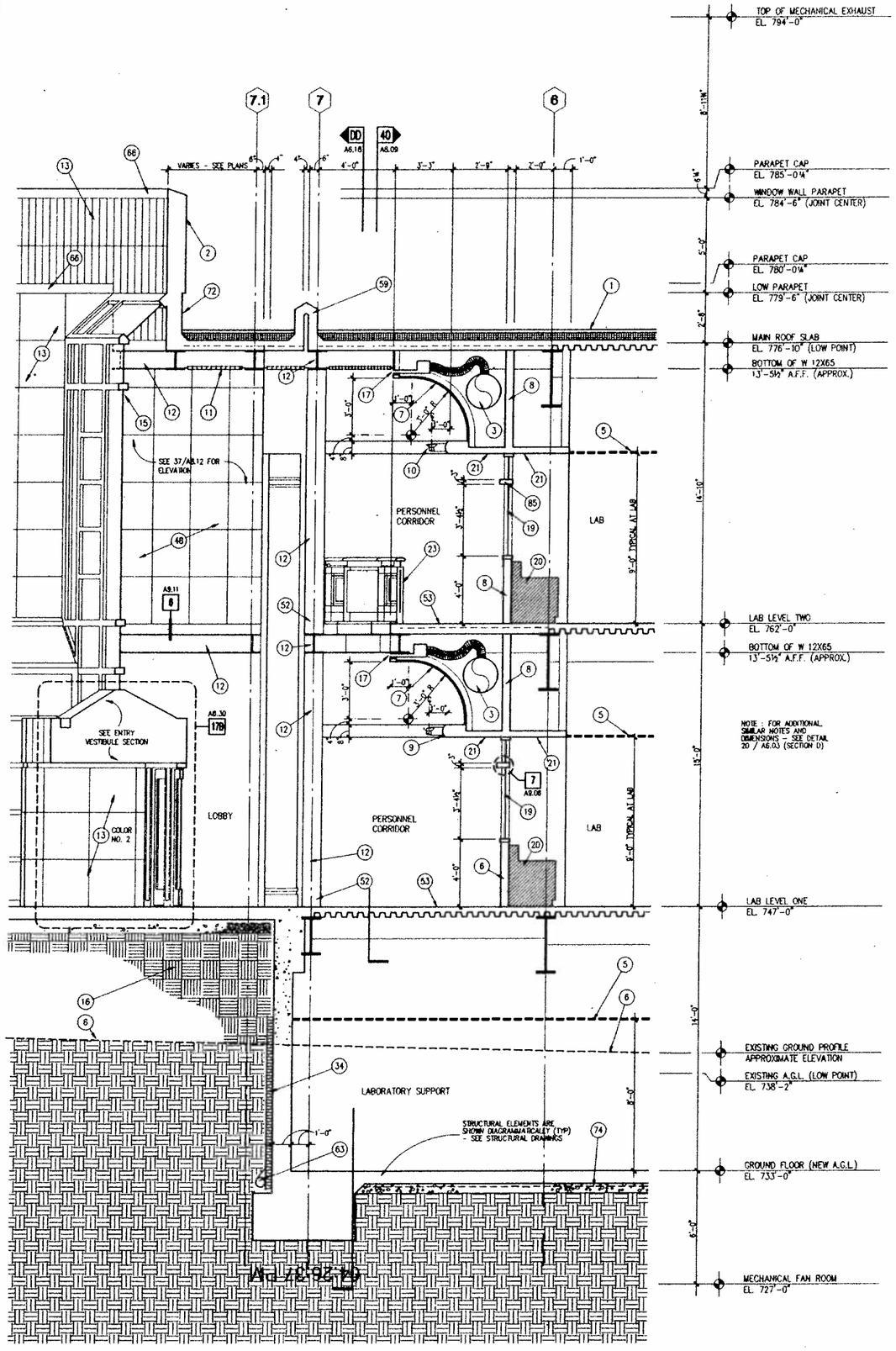
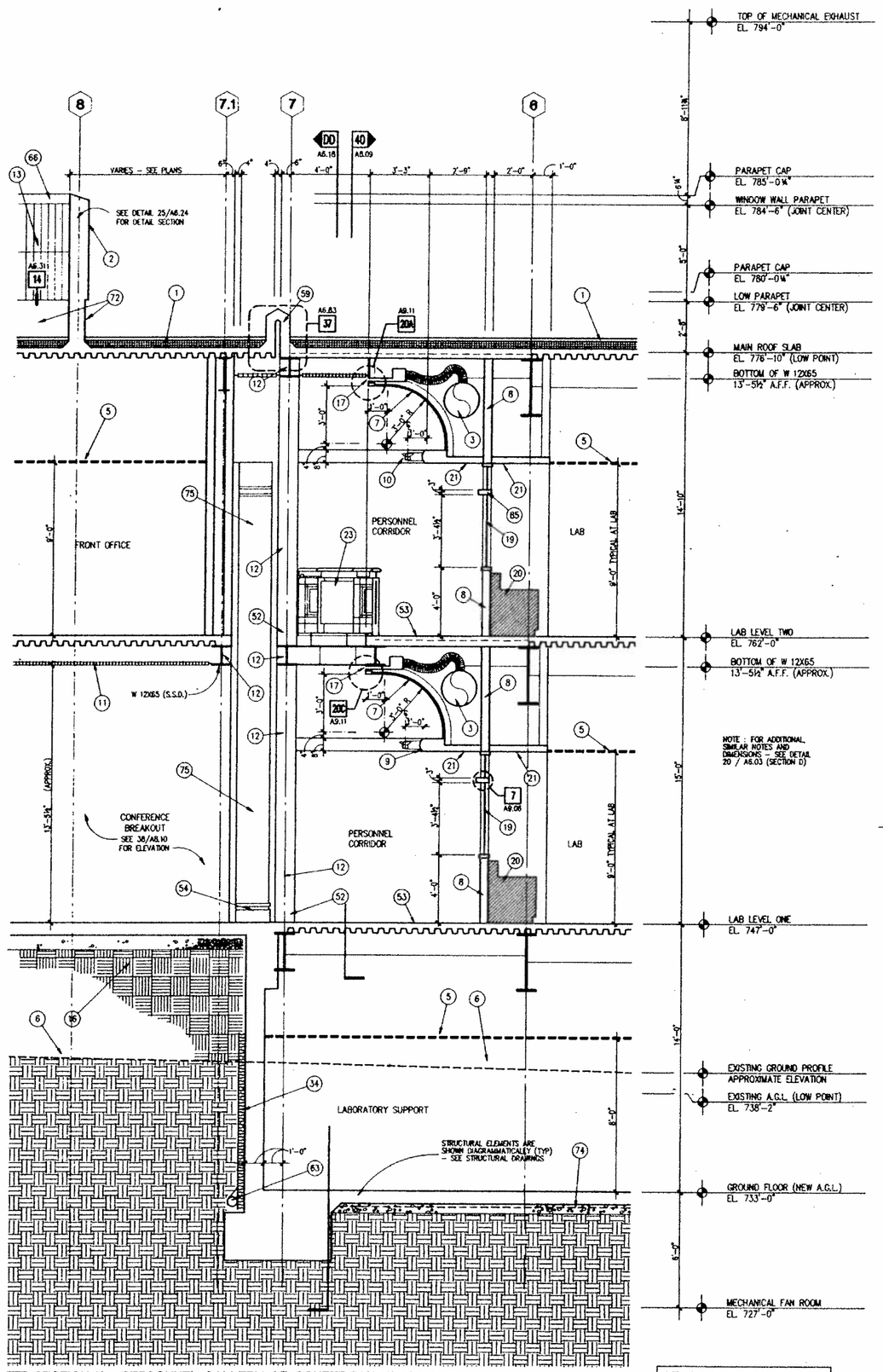


40 SECTION J - PERSONNEL GALLERY AT ENTRY LOBBY
SCALE: 3/8" = 1' - 0"



20 SECTION K - PERSONNEL GALLERY AT CONFERENCE BREAKOUT
SCALE: 3/8" = 1' - 0"

NOTE : FOR EXPLANATIONS OF KEY NOTES USED ON THIS SHEET – SEE SHEET A6.01

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SCALE: 3/8 INCH EQUALS 1 FOOT

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19210.01	B	A6.07
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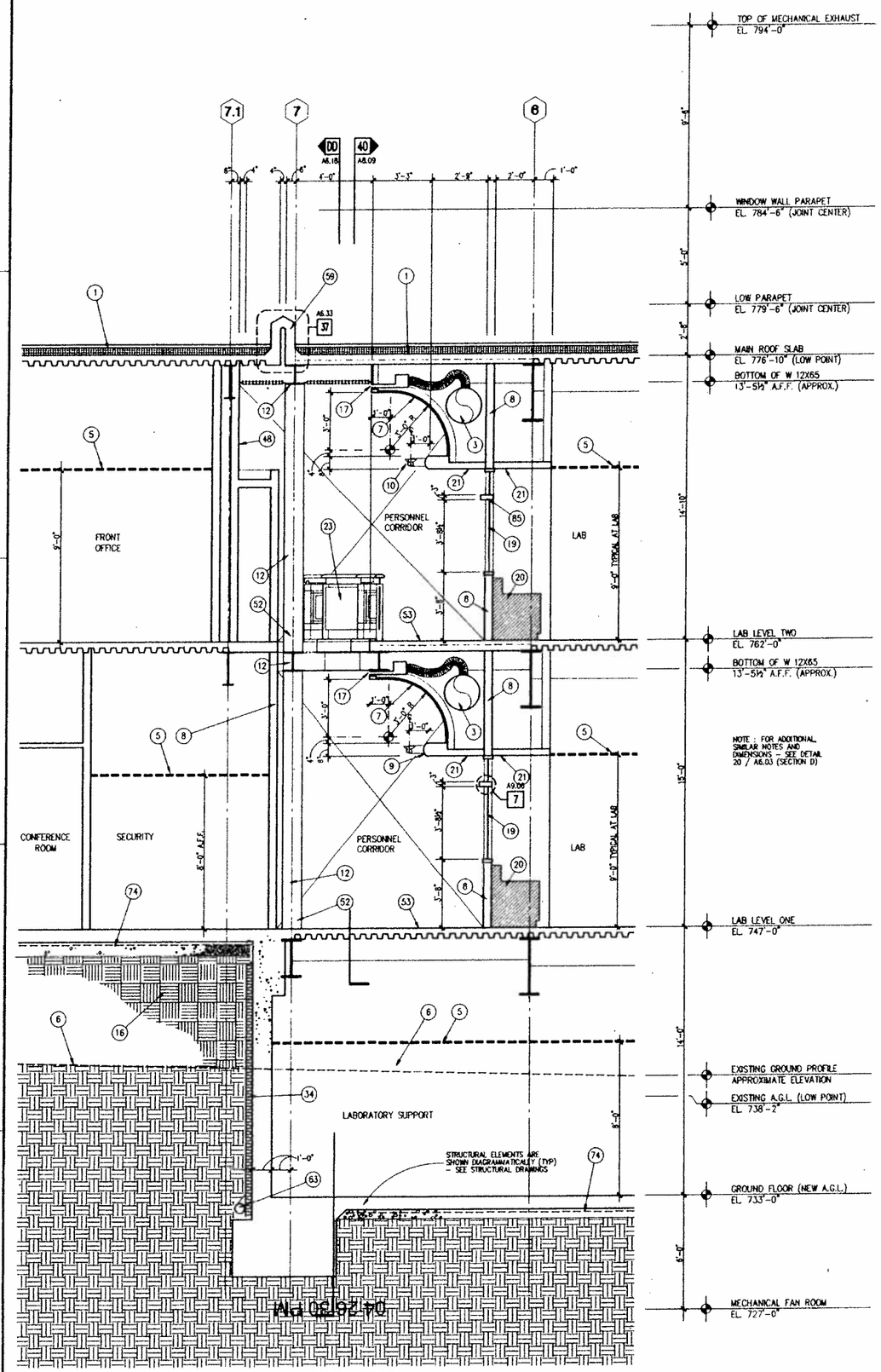
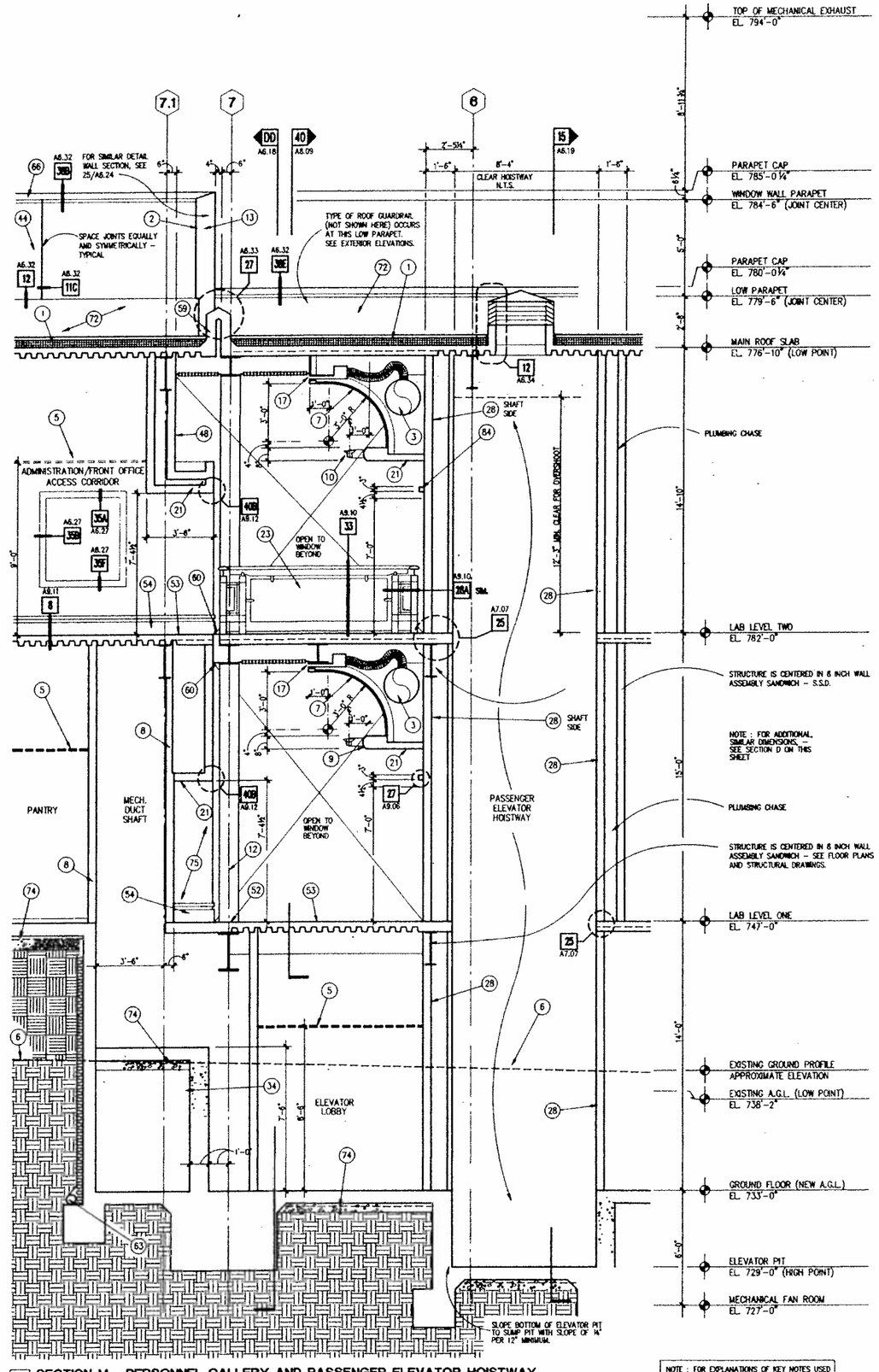


40 SECTION L - PERSONNEL GALLERY AT FRONT OFFICE
SCALE: 3/8" = 1'-0"



20 SECTION M - PERSONNEL GALLERY AND PASSENGER ELEVATOR HOISTWAY
SCALE: 3/8" = 1'-0"

NOTE : FOR EXPLANATIONS OF KEY NOTES USED ON THIS SHEET - SEE SHEET A6.01

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B BIDDING
Drawing No. A6.08

DWG. FILE : 000055P8 / A6.08 / 20 FEB 91

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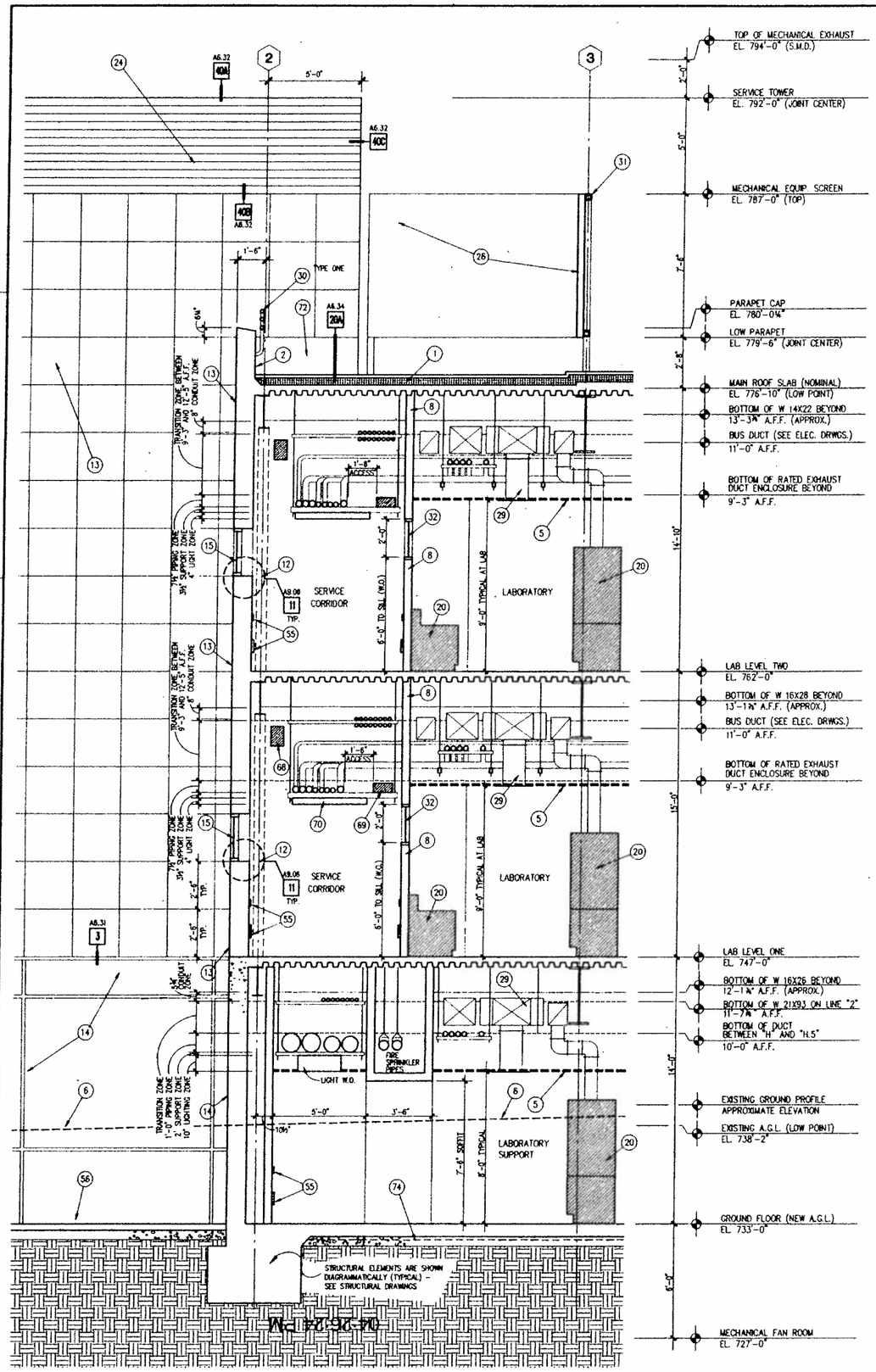
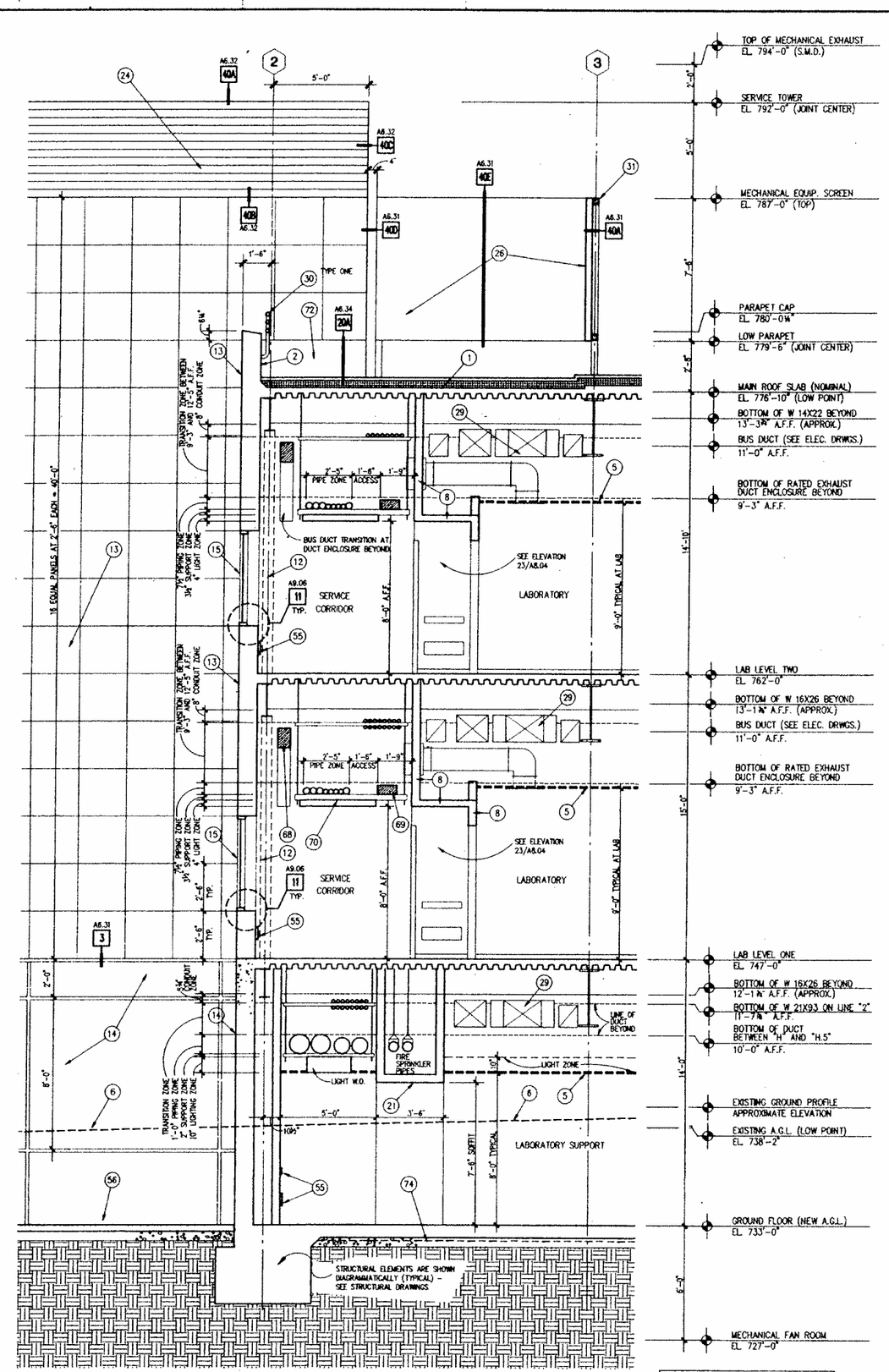


40 SECTION O - TYPICAL SERVICE CORRIDOR BETWEEN UTILITY TOWERS
SCALE: 3/8" = 1' - 0"



20 SECTION P - TYPICAL SERVICE CORRIDOR AT LAB ENTRY ALCOVE
SCALE: 3/8" = 1' - 0"

NOTE : FOR EXPLANATIONS OF KEY NOTES USED ON THIS SHEET – SEE SHEET A6.01

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19210.01	B	A6.09
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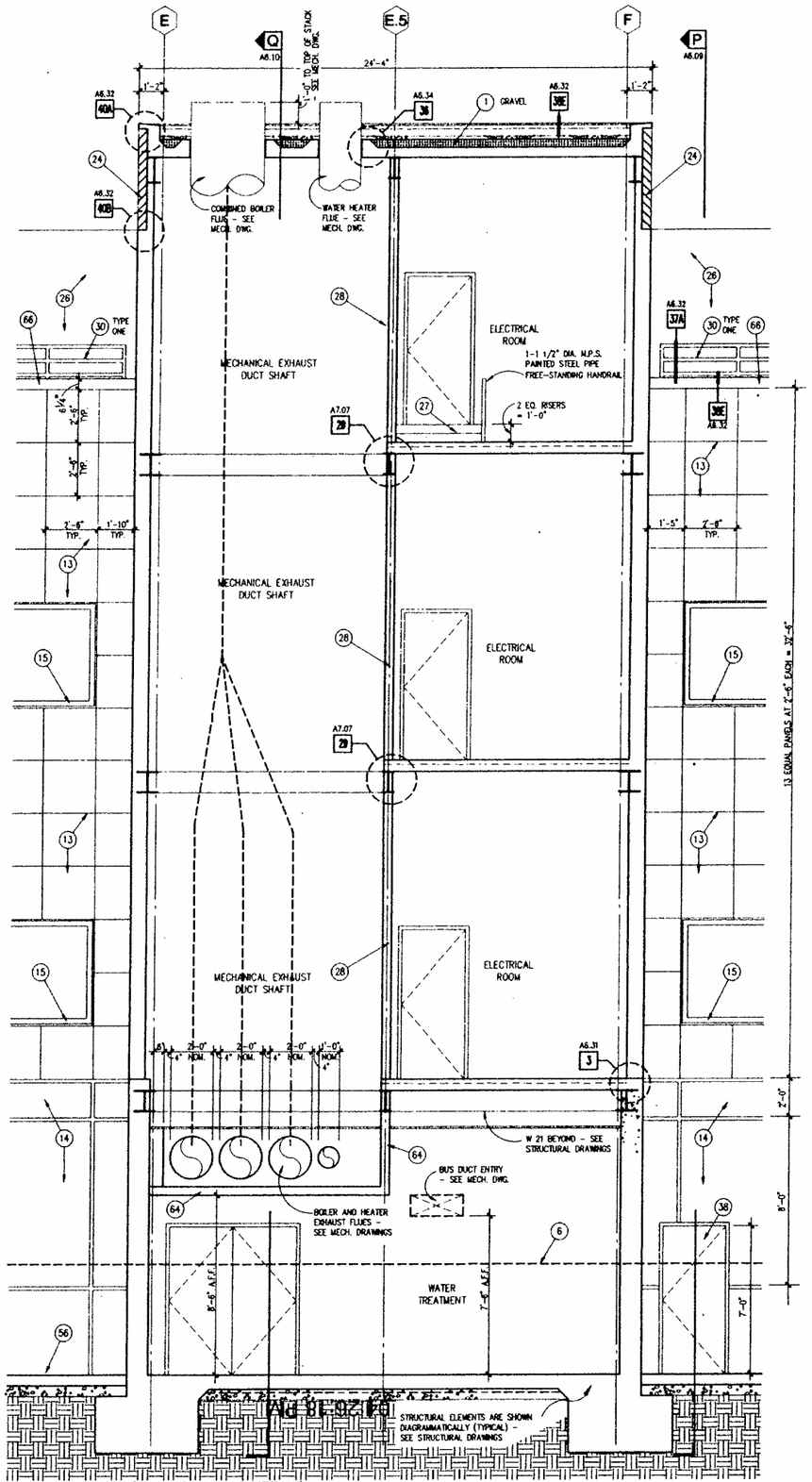
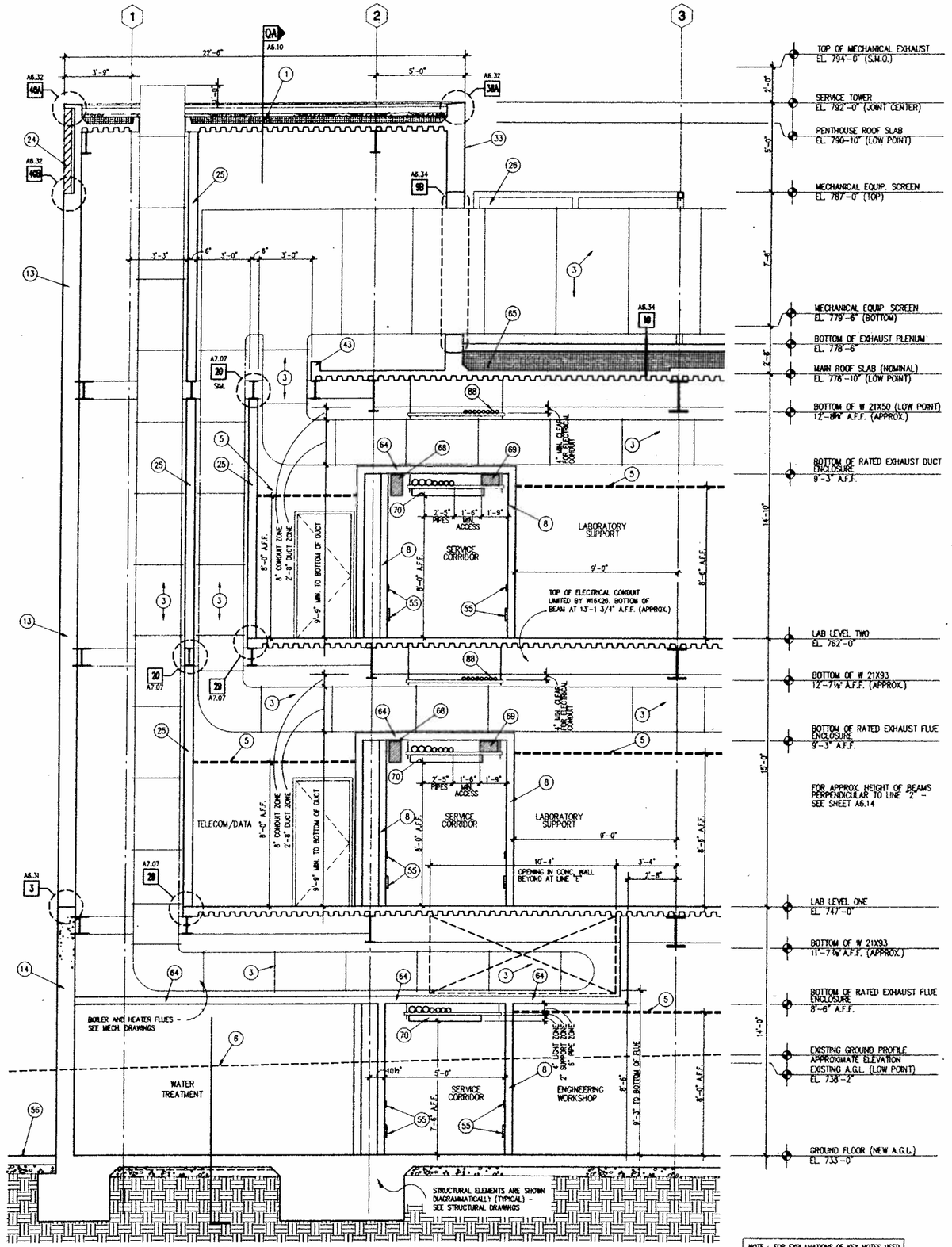


40 SECTION QA - UTILITY TOWER NO. 4
SCALE: 3/8" = 1'-0"



20 SECTION Q - SERVICE CORRIDOR AT UTILITY TOWER NO. 4
SCALE: 3/8" = 1'-0"

NOTE : FOR EXPLANATIONS OF KEY NOTES USED ON THIS SHEET - SEE SHEET A6.01

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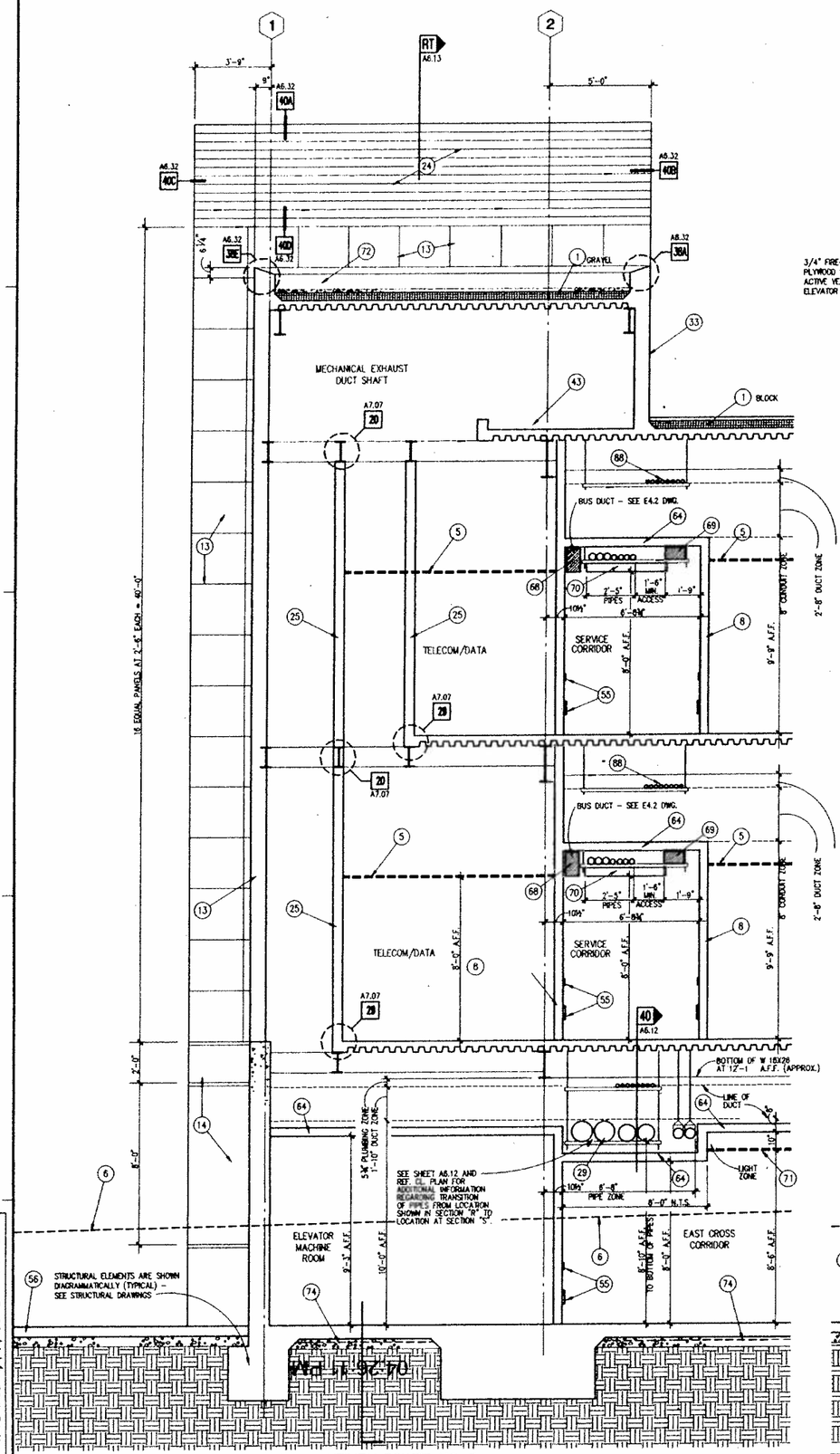
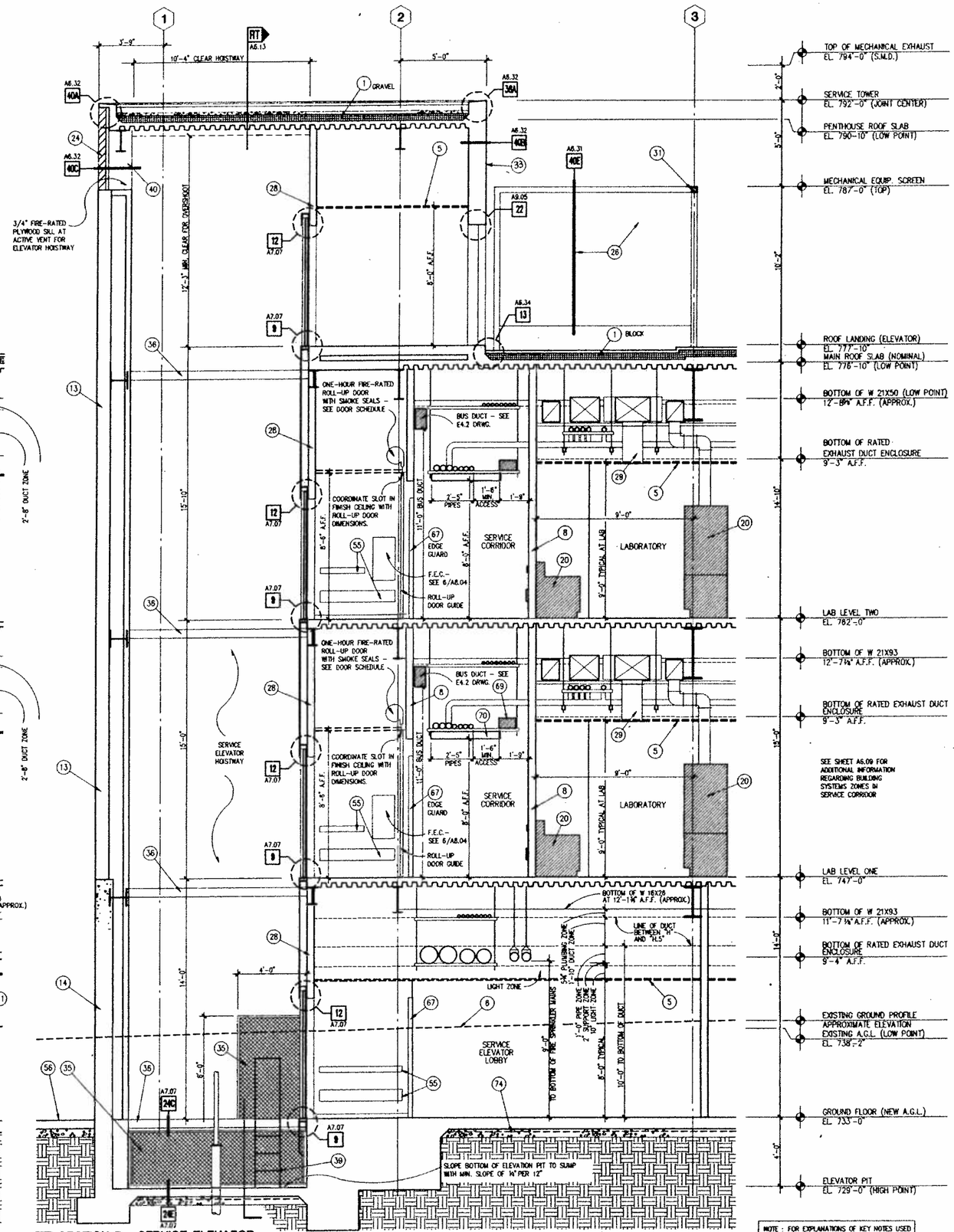


40 SECTION S - SERVICE CORRIDOR AT UTILITY TOWER NO. 5
SCALE: 3/8" = 1' - 0"



20 SECTION R - SERVICE ELEVATOR
SCALE: 3/8" = 1' - 0"

NOTE : FOR EXPLANATIONS OF KEY NOTES USED ON THIS SHEET - SEE SHEET A6.01

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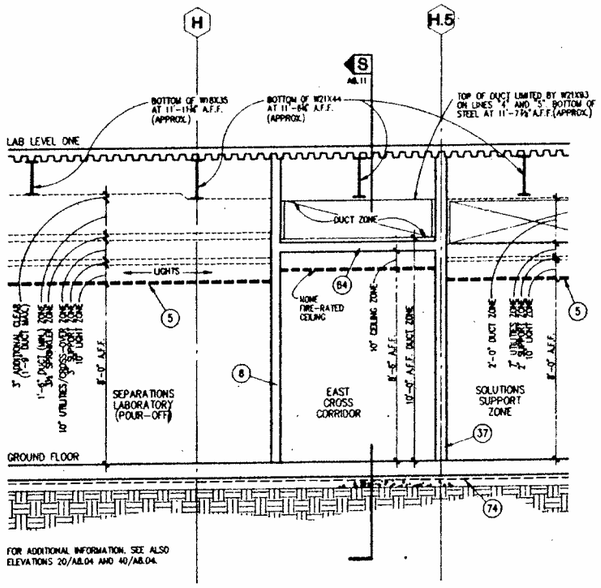
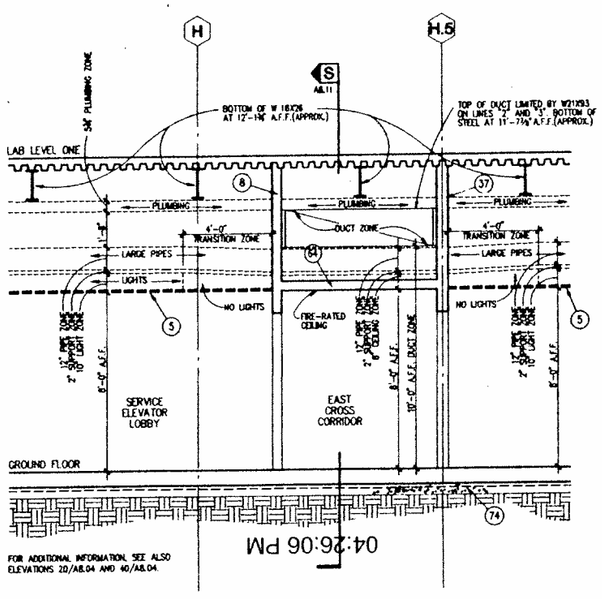


38 BUILDING SYSTEMS SECTION - EAST CROSS CORRIDOR LOOKING NORTH
GROUND FLOOR - SOUTH OF LINE 3



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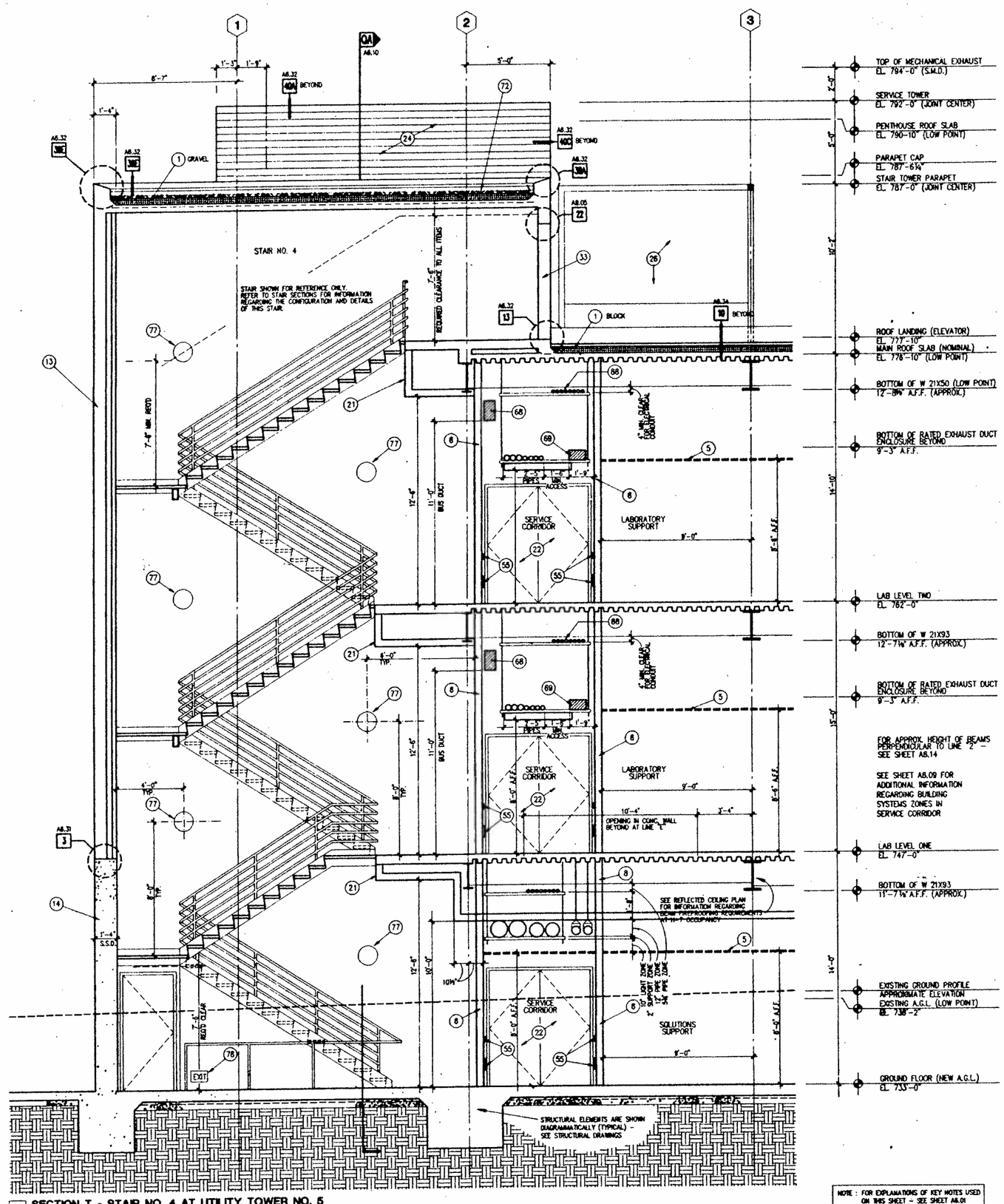
GROUND FLOOR - SOUTH OF LINE 3



NOTE : FOR EXPLANATIONS OF KEY NOTES USED ON THIS SHEET - SEE SHEET A8.01

25 SECTION T - STAIR NO. 4 AT UTILITY TOWER NO. 5
SCALE: 3/8" = 1' - 0"

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Project No. 19210.01
Date 01 APRIL 1991
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Drawing No. A6.12

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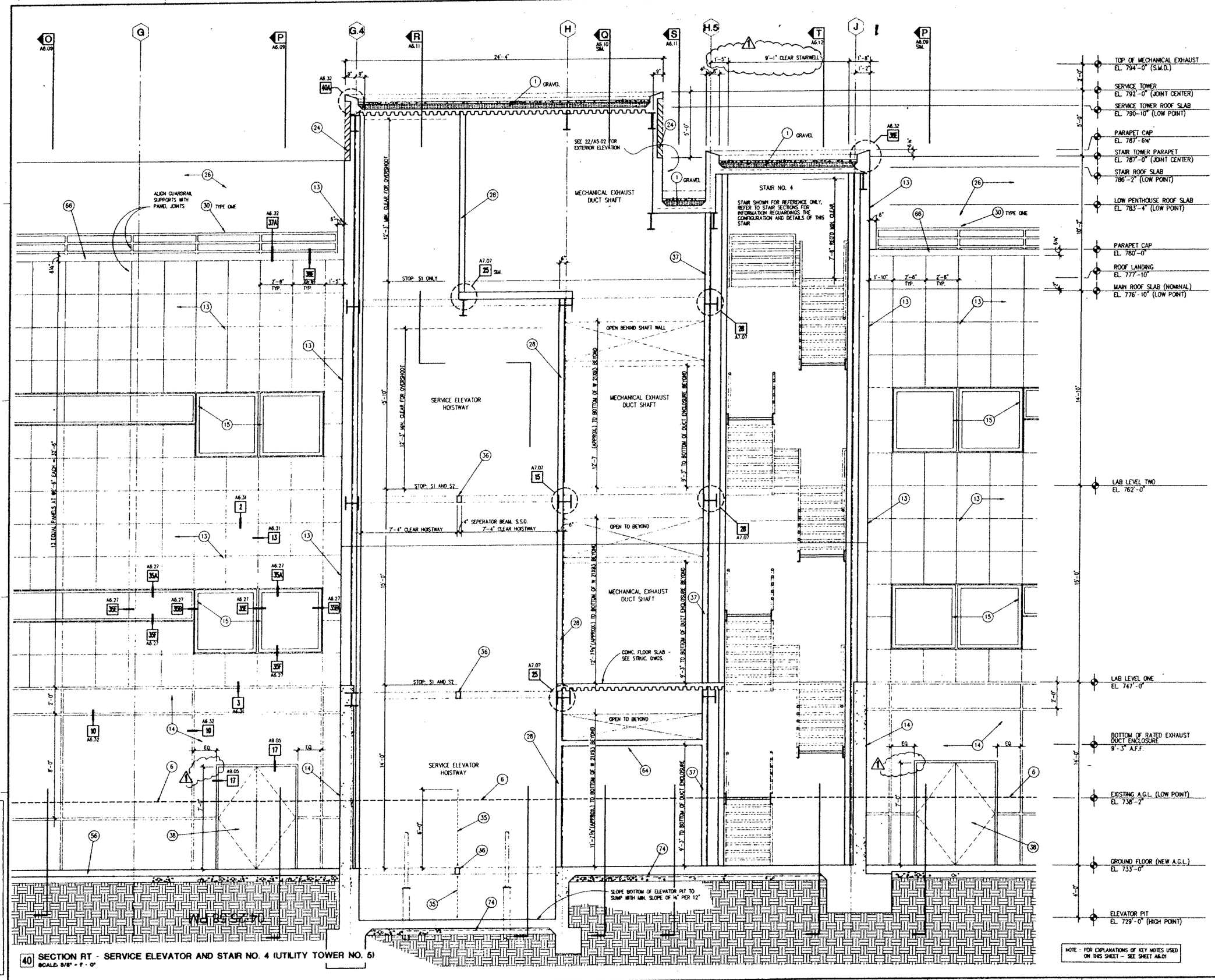

40 SECTION RT - SERVICE ELEVATOR AND STAIR NO. 4 (UTILITY TOWER NO. 5)
SCALE: 3/8" = 1'-0"

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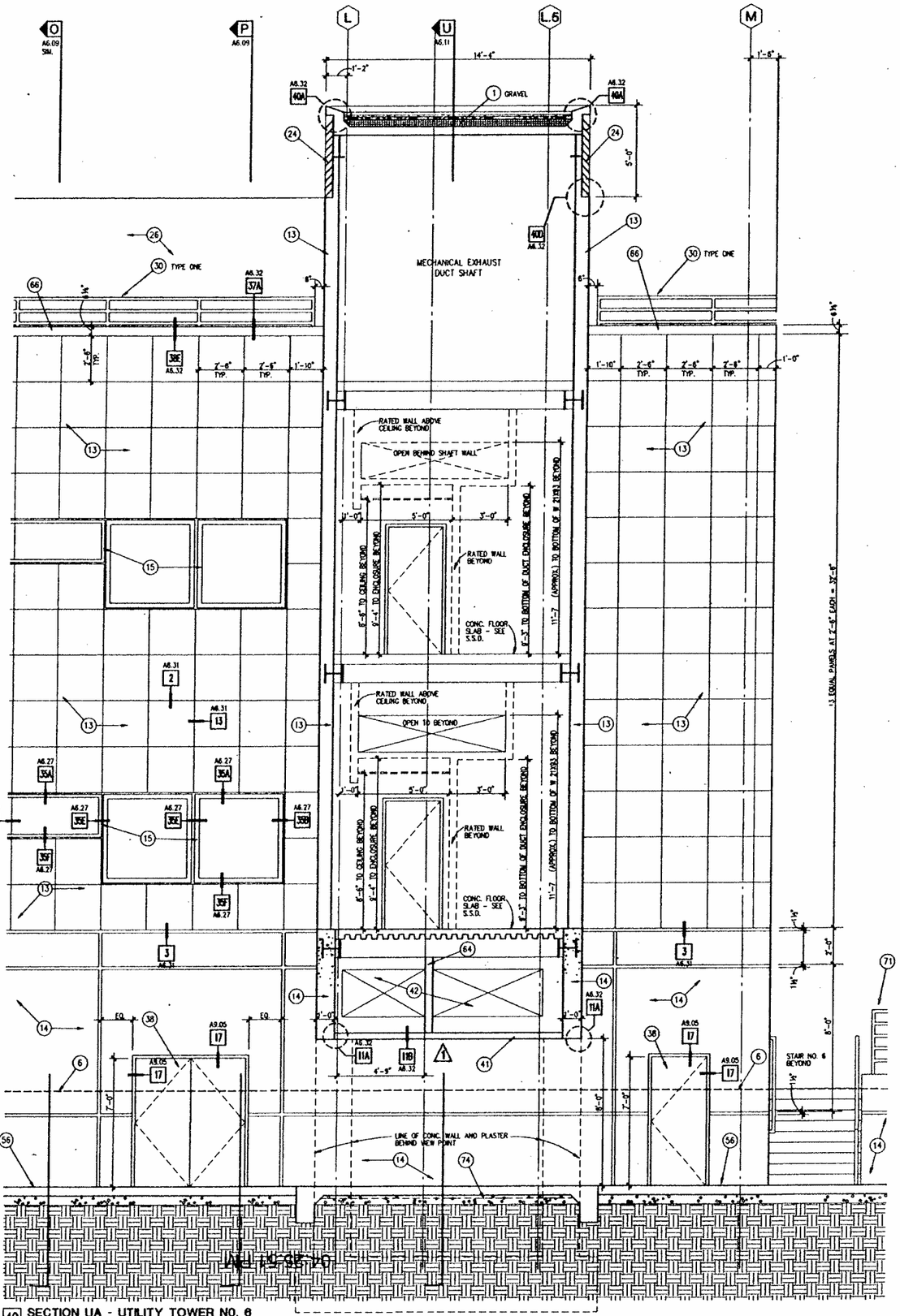
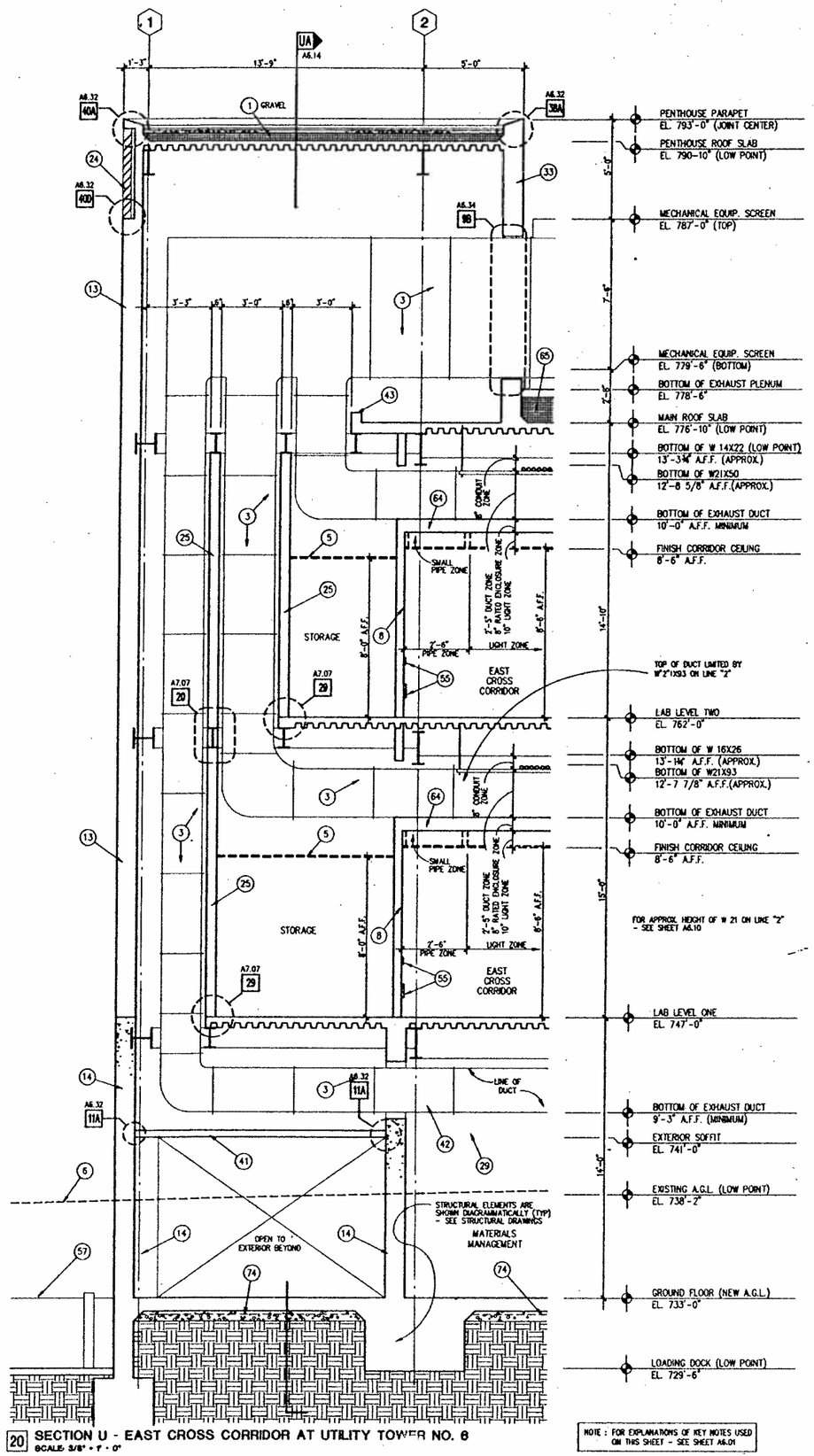


40 SECTION UA - UTILITY TOWER NO. 6
SCALE: 3/8" = 1' - 0"



20 SECTION U - EAST CROSS CORRIDOR AT UTILITY TOWER NO. 6
SCALE: 3/8" = 1' - 0"

NOTE : FOR EXPLANATIONS OF KEY NOTES USED ON THIS SHEET - SEE SHEET A6.01

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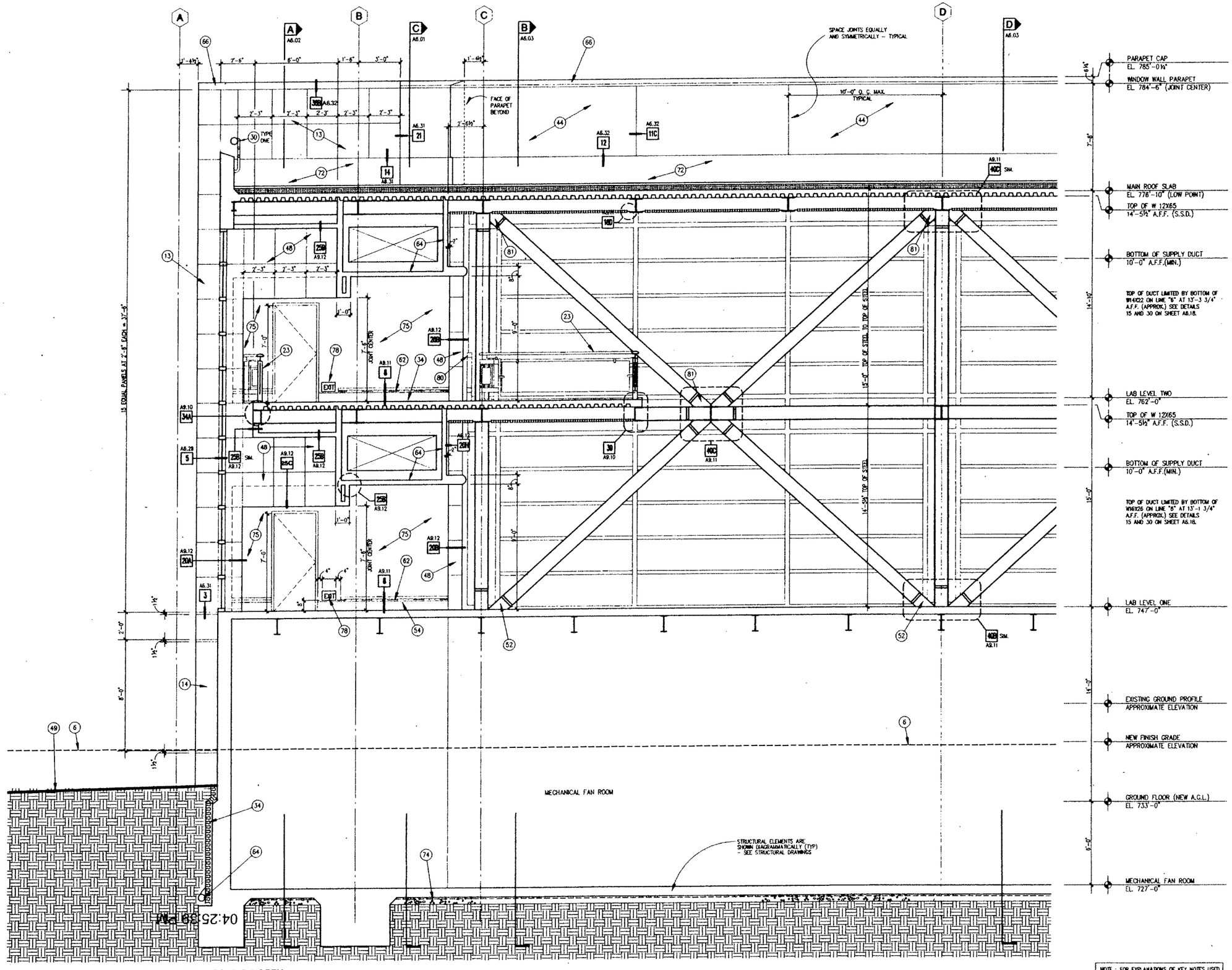

40 SECTION AA - PERSONNEL GALLERY LOOKING NORTH
SCALE: 3/8" = 1' - 0"

NOTE : FOR EXPLANATIONS OF KEY NOTES USED ON THIS SHEET – SEE SHEET A6.01

KEY NOTES BLOCK

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A6.15

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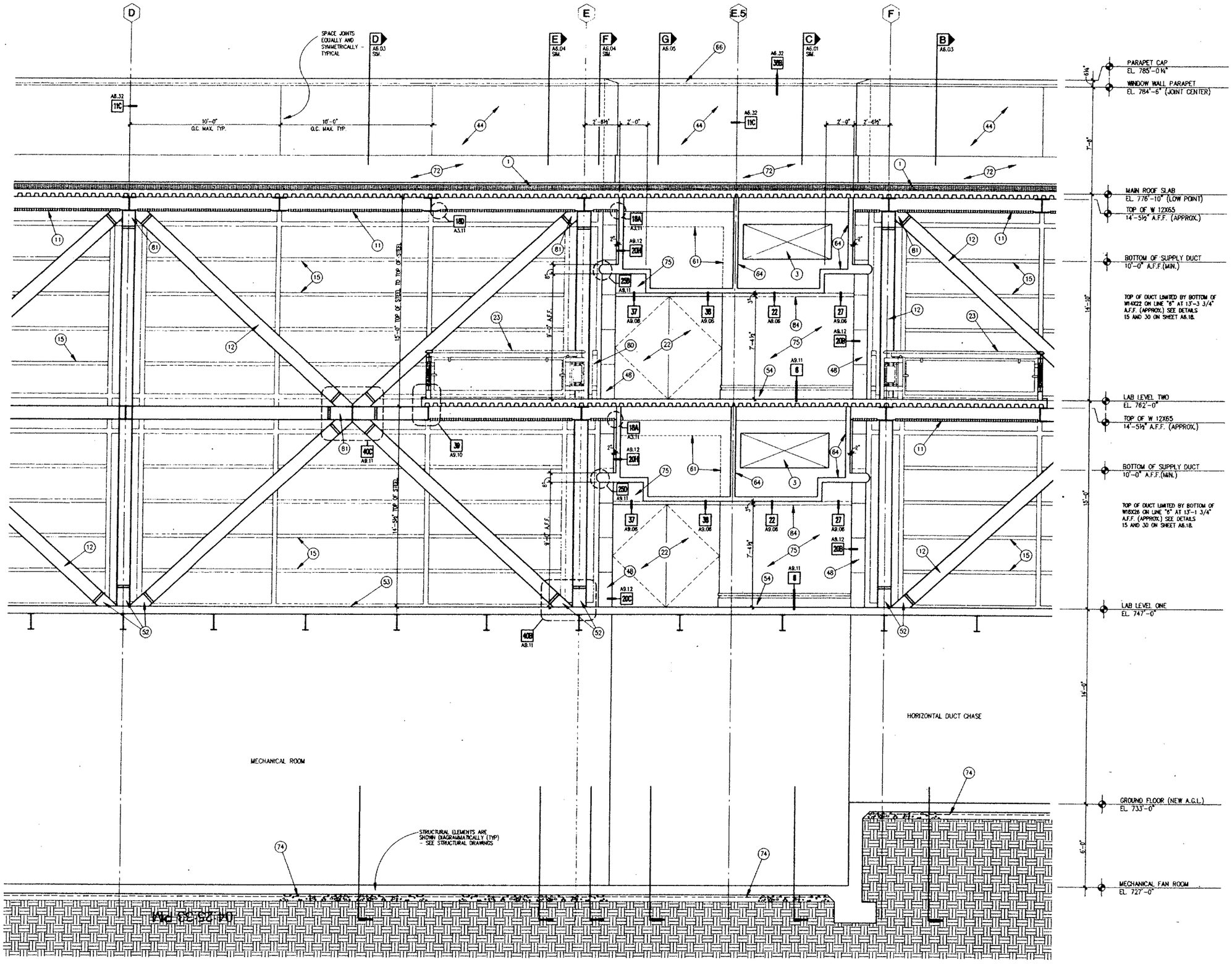

40 **SECTION BB - PERSONNEL GALLERY LOOKING NORTH**
SCALE: 3/8" = 1' - 0"

NOTE : FOR EXPLANATIONS OF KEY NOTES USED ON THIS SHEET - SEE SHEET A6.01

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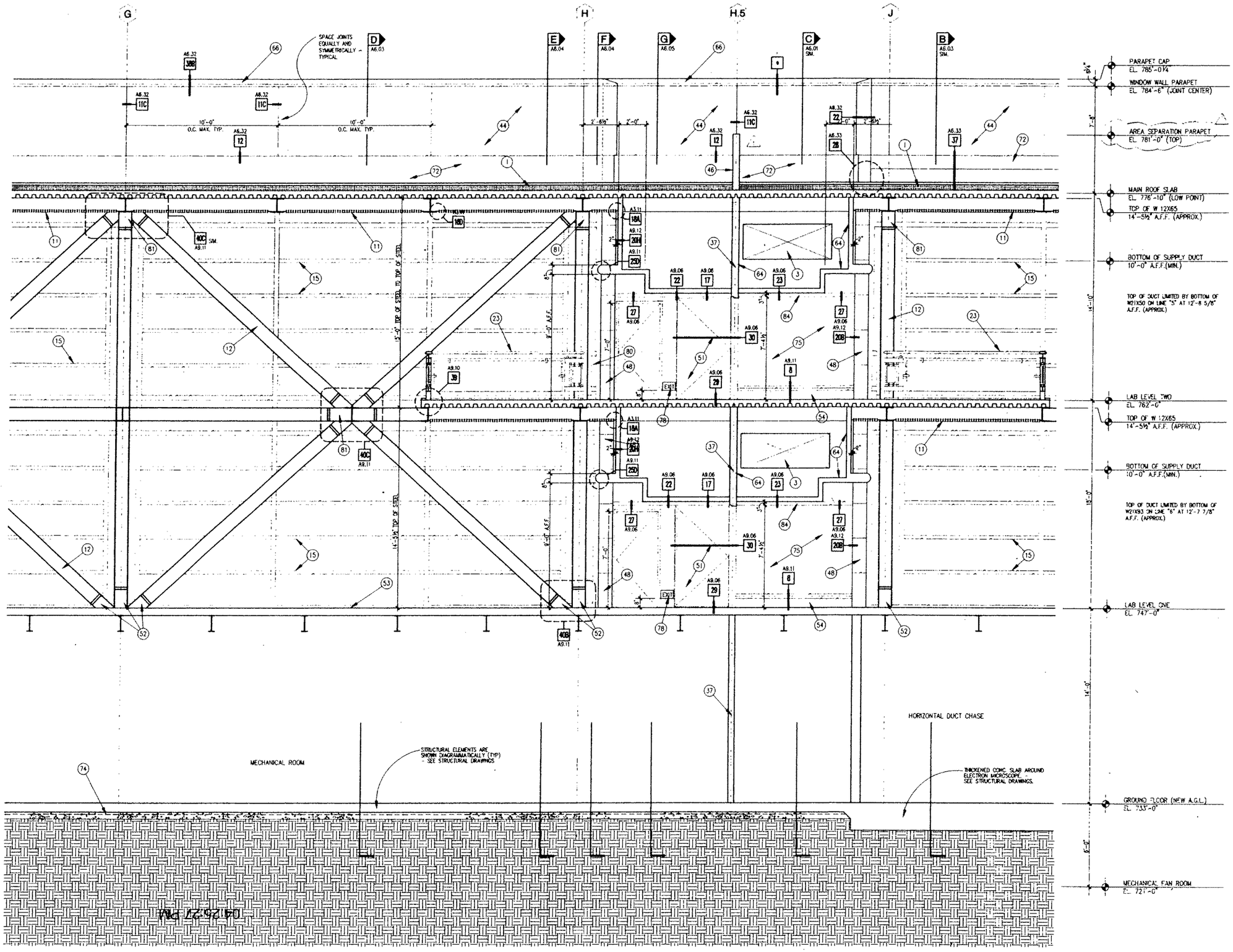

40 SECTION CC - PERSONNEL GALLERY LOOKING NORTH
SCALE: 3/8" = 1' - 0"

NOTE: FOR EXPLANATIONS OF KEY NOTES USED ON THIS SHEET - SEE SHEET A6.01

SMP

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Revisions

No		Date
1	ADDENDUM NO. 1	5-15-91

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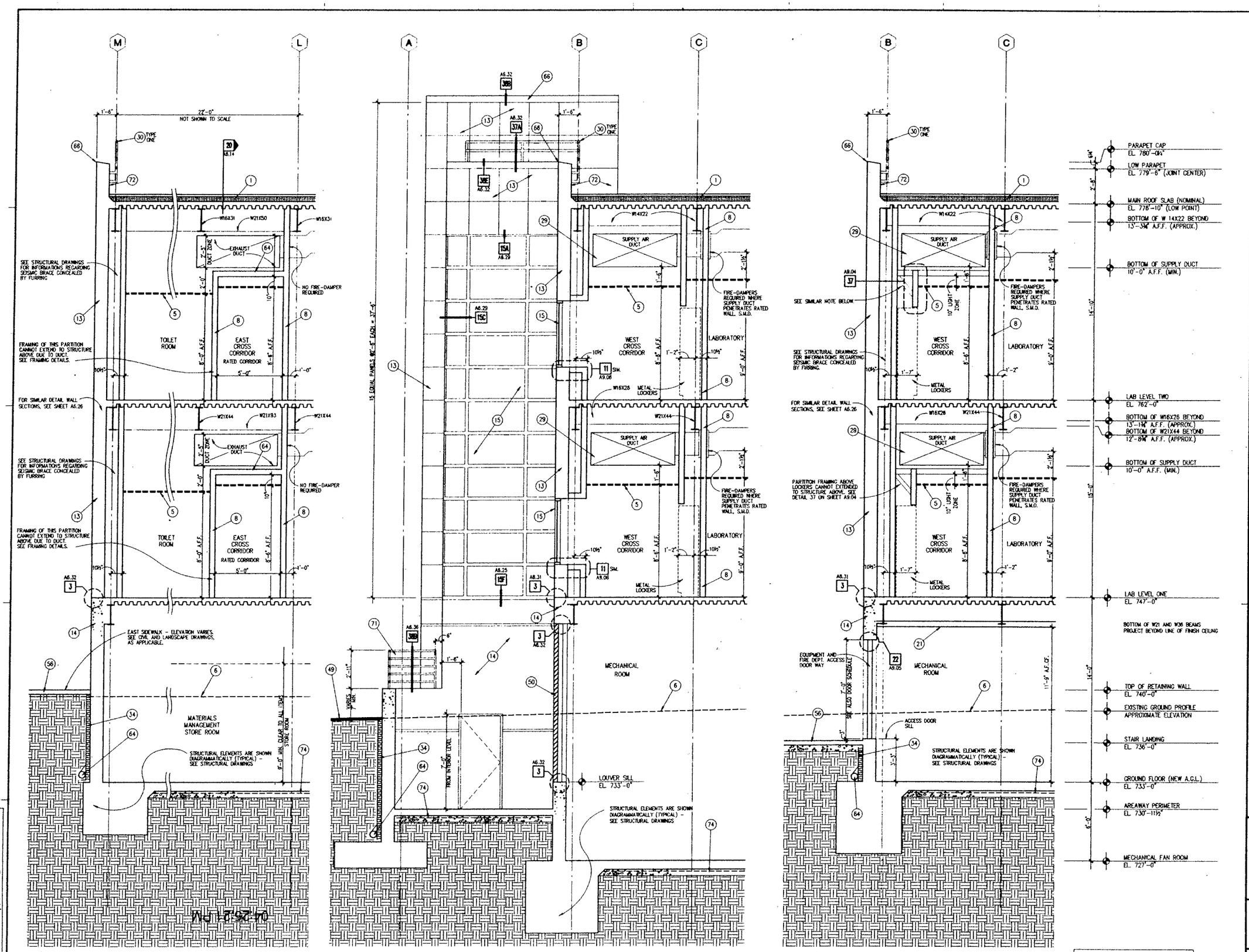
PARTIAL BUILDING SECTIONS

SCALE: 3/8 INCH EQUALS 1 FOOT

Project No.		Drawing No.
19210.01	A	A6.17
Date 15 MAY 1991	ADDENDUM	

NOTES SUCE | PROJECT | A6.17 | CADD FILE: 0000SPH | PLANSET

DWG. FILE: 0000SPH A6.17 25 MAR 91



40 SECTION GG - EAST FACADE LOOKING SOUTH
SCALE: 3/8" = 1' - 0"

30 SECTION EE - WEST CROSS CORRIDOR LOOKING NORTH
SCALE: 3/8" = 1' - 0"

15 SECTION FF - WEST CROSS CORRIDOR LOOKING NORTH
SCALE: 3/8" = 1' - 0"

NOTE : FOR EXPLANATIONS OF KEY NOTES USED ON THIS SHEET - SEE SHEET A6.01

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PARTIAL BUILDING SECTIONS

SCALE 3/8 INCH EQUALS 1 FOOT

Project No. 19210.01

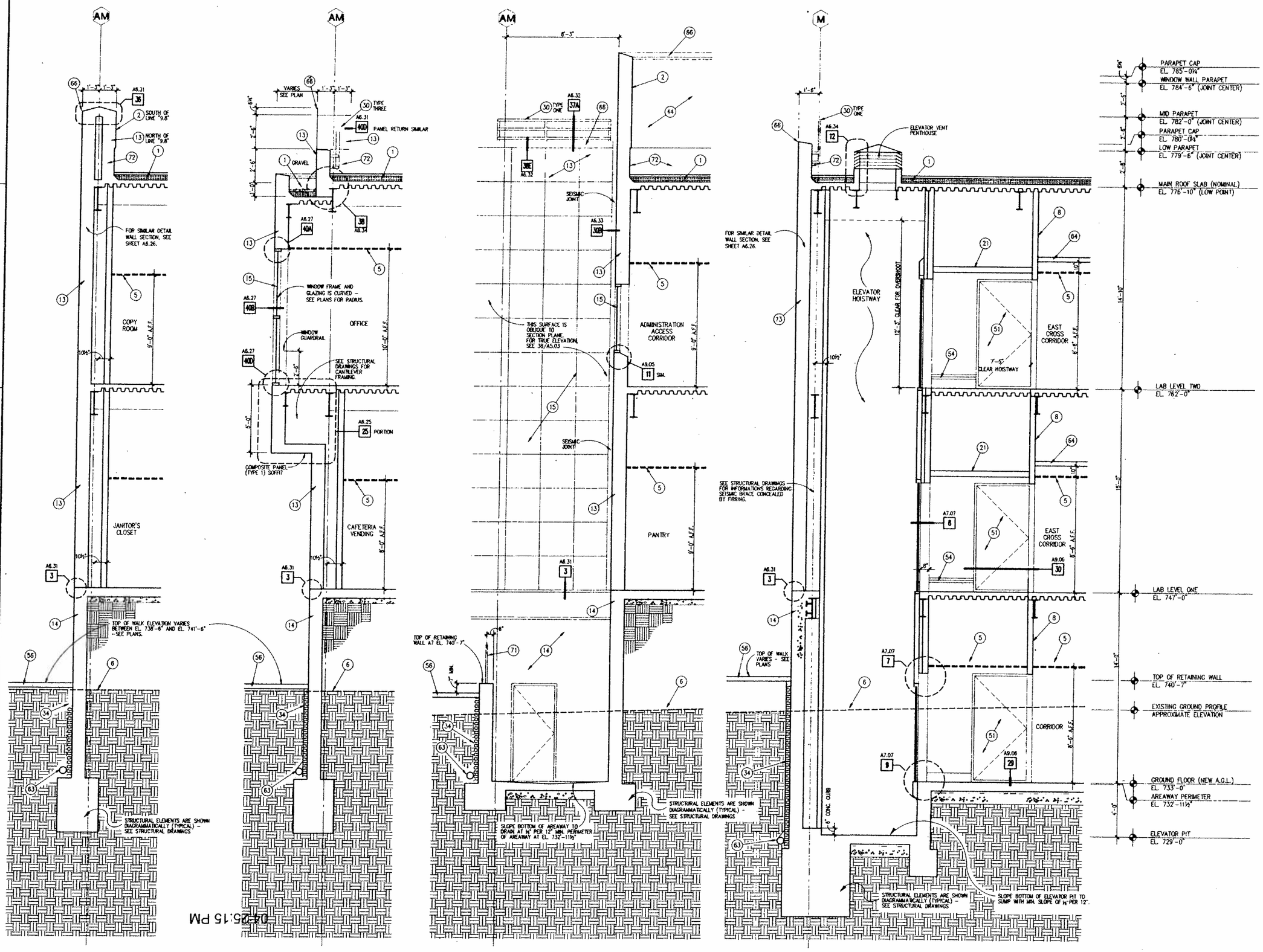
Date 01 APR 1991

B BIDDING

Drawing No. A6.18

DWG# FILE : 000055PJ / A6.18 / 21 FEB 91

000633



40 SECTION JJ - ADMINISTRATION WING
SCALE: 3/8" = 1'-0"

39 SECTION KK - ADMINISTRATION WING
SCALE: 3/8" = 1'-0"

25 SECTION II - STAIR NO. 3 AREAWAY
SCALE: 3/8" = 1'-0"

15 SECTION HH - PASSENGER ELEVATOR
SCALE: 3/8" = 1'-0"

NOTE: FOR EXPLANATIONS OF KEY NOTES USED ON THIS SHEET - SEE SHEET A6.01

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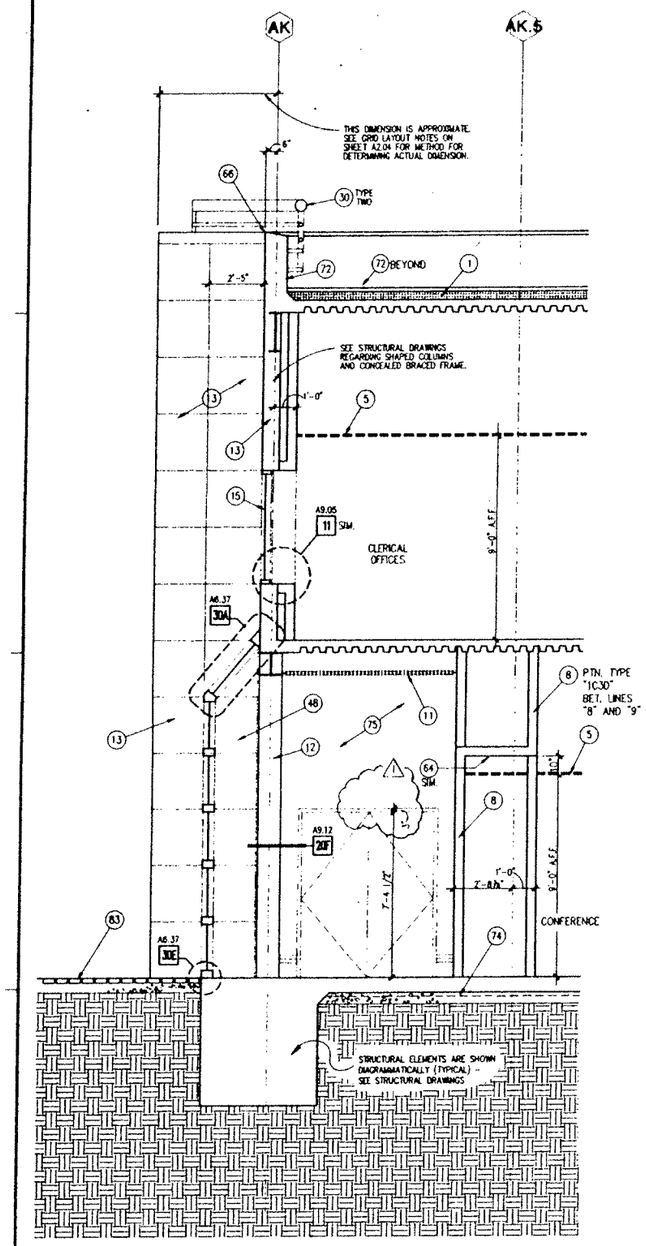
PARTIAL BUILDING SECTIONS

SCALE: 3/8 INCH EQUALS 1 FOOT

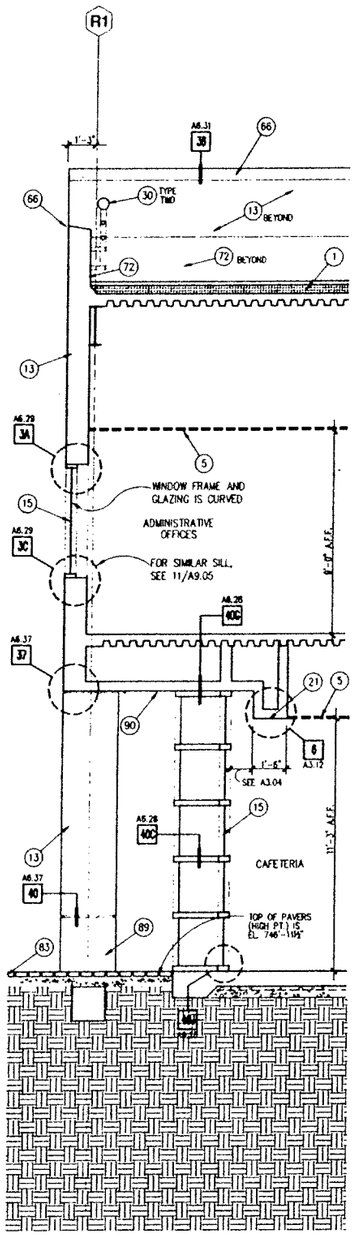
Project No. 19210.01
Date 01 APR. 1991
B BIDDING
Drawing No. A6.19

DWG. FILE 000055PK / A6.19 / 27 MAR 91

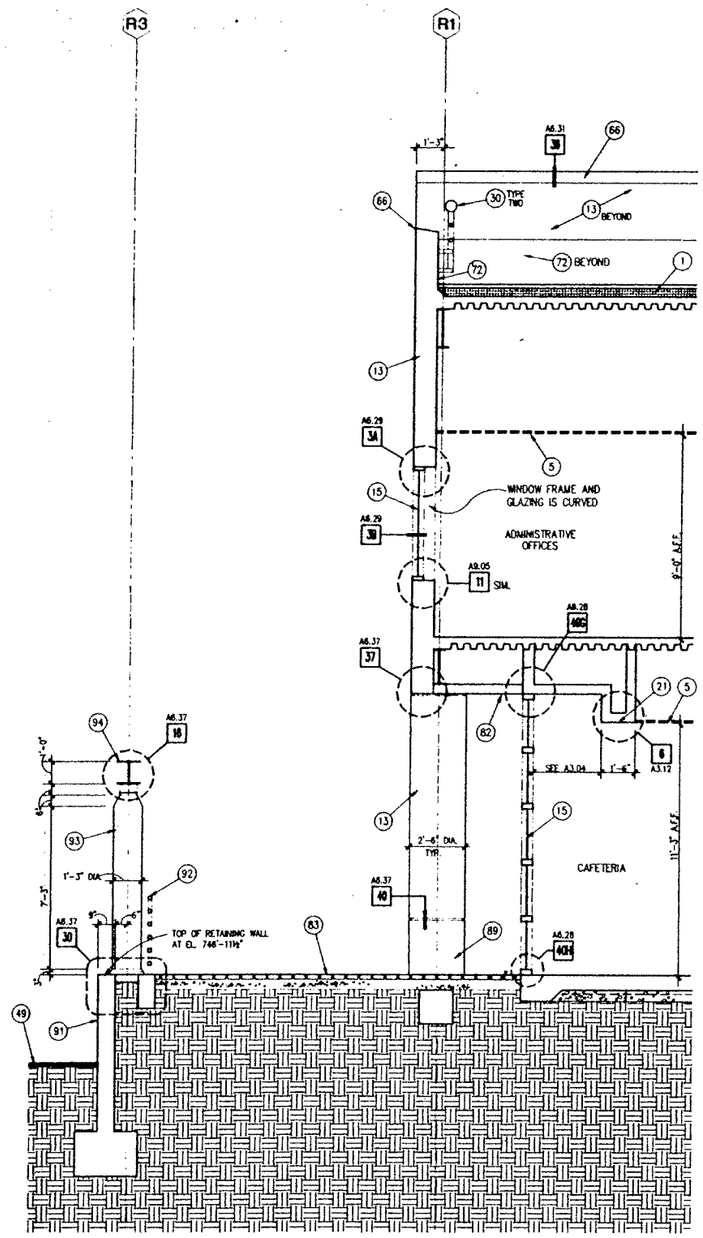
000634



39 SECTION LL - ADMINISTRATION BLOCK LOOKING NORTH
SCALE: 3/8" = 1' - 0"

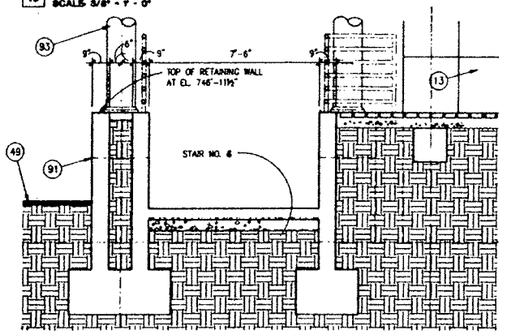


28 SECTION W - CAFETERIA AT DOOR
SCALE: 3/8" = 1' - 0"

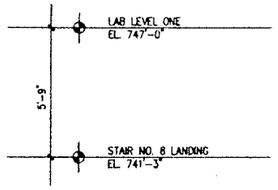


19 SECTION V - CAFETERIA WINDOW WALL AND ARCADE
SCALE: 3/8" = 1' - 0"

NOTE: STRUCTURAL ELEMENTS ARE SHOWN DIAGRAMMATICALLY (TYPICAL) - SEE STRUCTURAL DRAWINGS FOR ACTUAL DIMENSIONS.



20 ARCADE SECTION NEAR LINE "AM"
SCALE: 3/8" = 1' - 0"



NOTE: FOR EXPLANATIONS OF KEY NOTES USED ON THIS SHEET - SEE SHEET A8.01

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PARTIAL BUILDING SECTIONS

SCALE: 3/8 INCH EQUALS 1 FOOT

Project No. 19210.01
Date 01 APR 91
B 1 BULLETIN
Drawing No. A6.20

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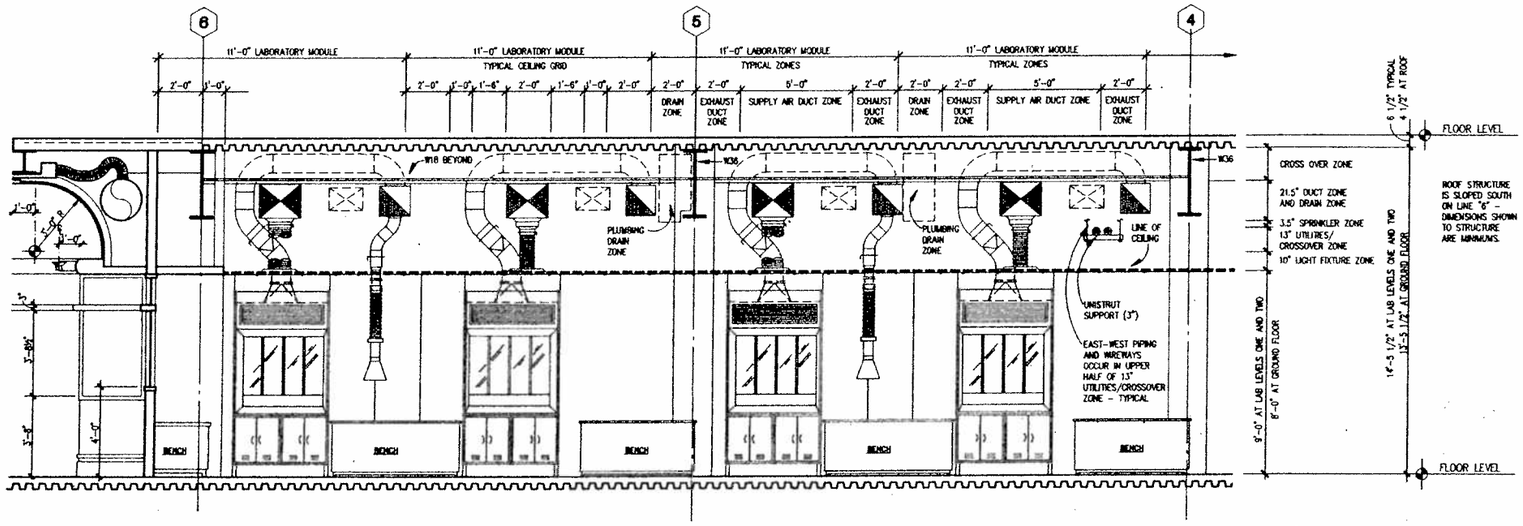
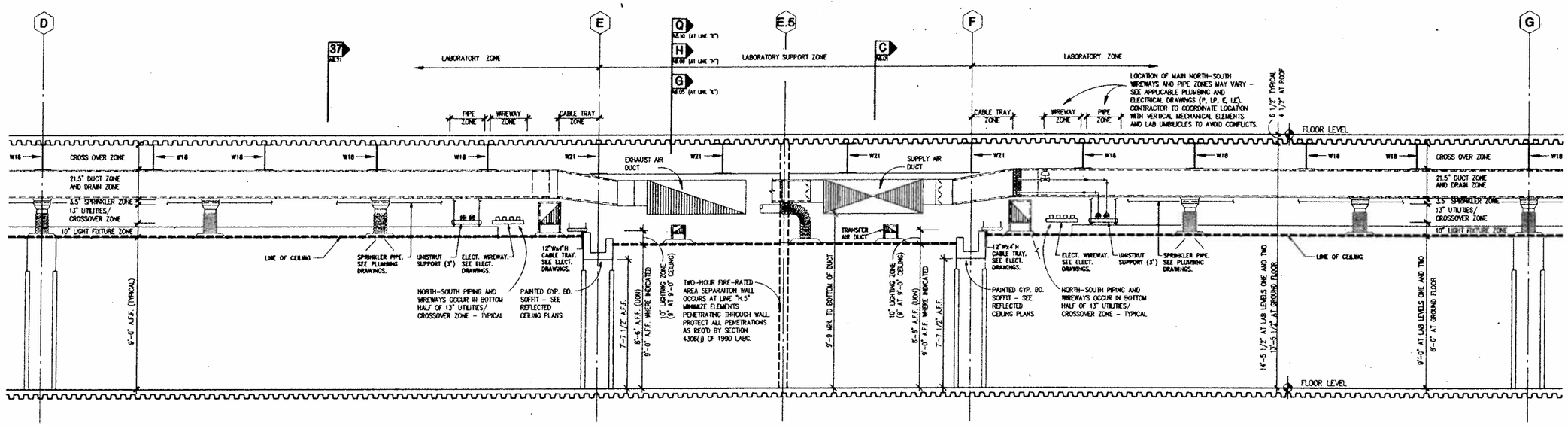
000635



37 DIAGRAMMATIC SECTION THROUGH TYPICAL LABORATORY - NORTH/SOUTH
SCALE: 3/8" = 1' - 0"



39 DIAGRAMMATIC SECTION THROUGH TYPICAL LABORATORY AND LABORATORY SUPPORT SPACE - EAST/WEST
SCALE: 3/8" = 1' - 0"

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DWG. FILE : 000055PM / A6.21 / 11 APR 91

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ORGANIZED BUILDING SYSTEMS SECTIONS

Project No.		Drawing No.
19.210.01	B	A6.21
Date 11 APR. 1991	BIDDING	

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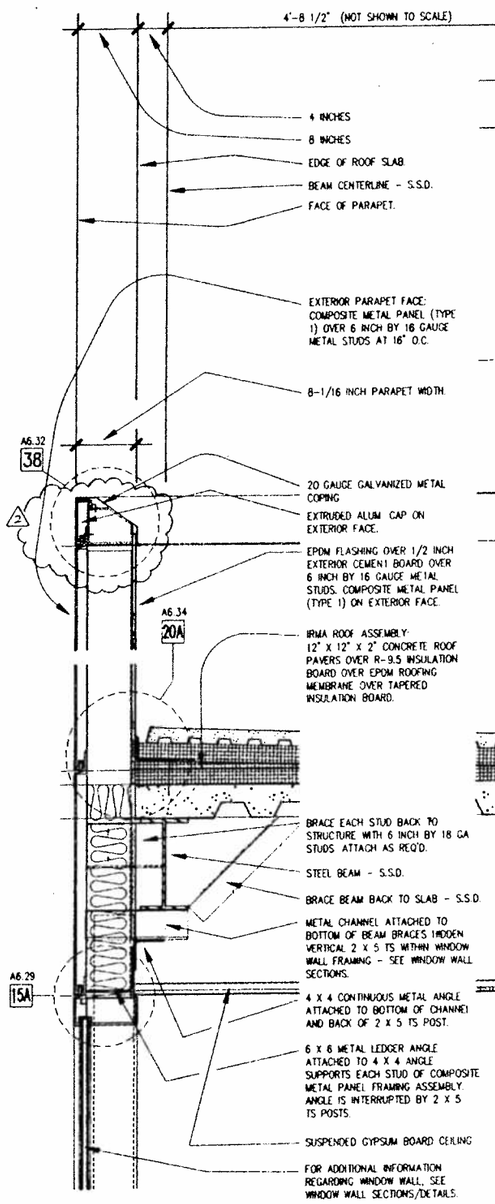

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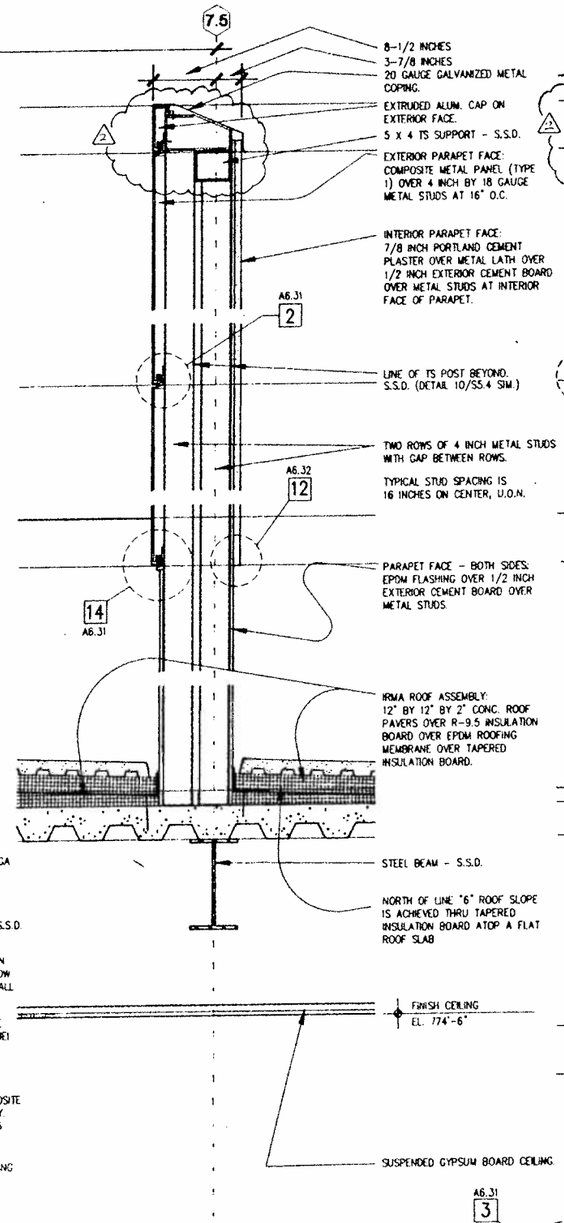

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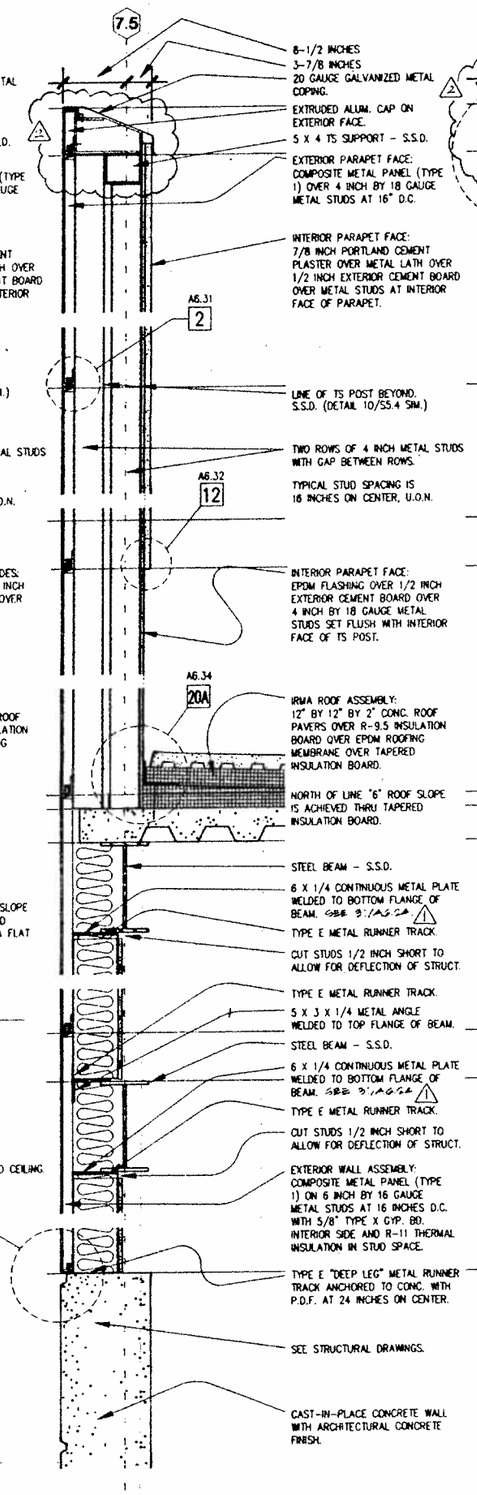

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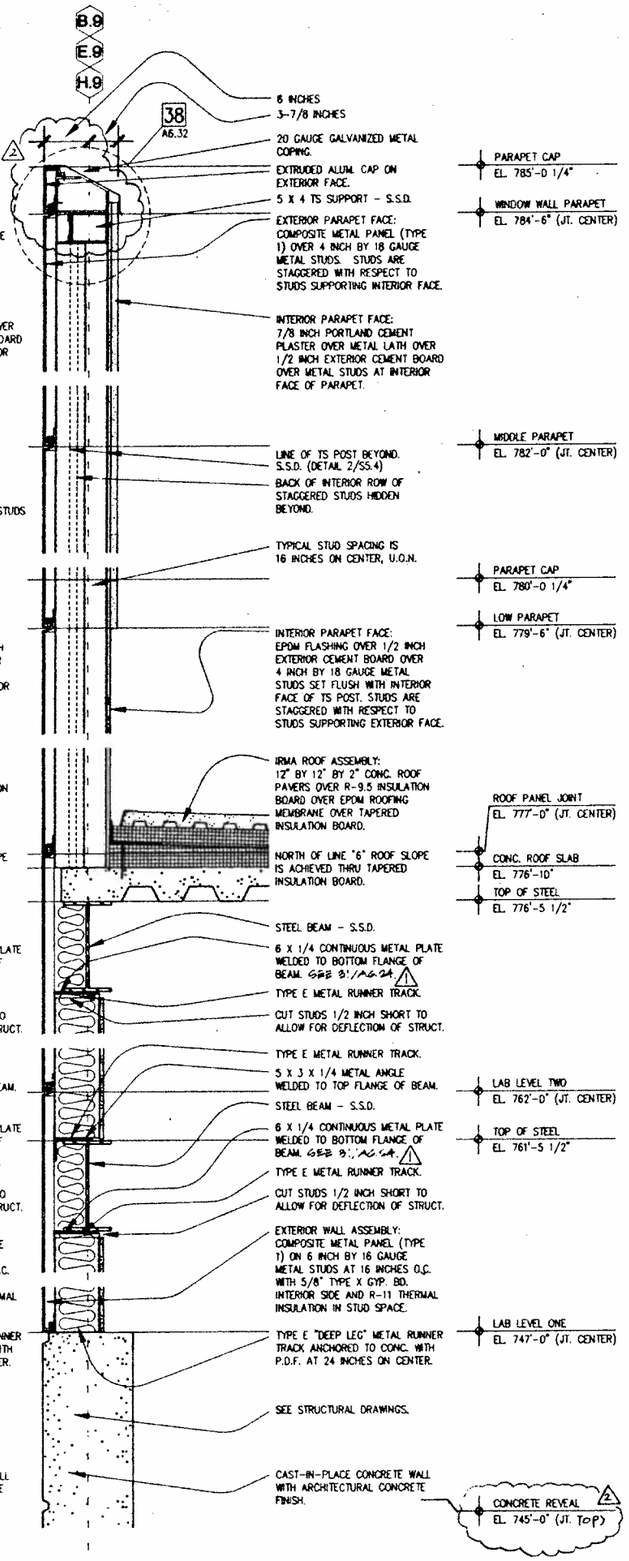

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Revisions

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DETAIL WALL SECTIONS

SCALE: 1 1/2 INCHES EQUALS 1 FOOT

Project No.		Drawing No.
19210.01	B 1 BULLETIN	A6.22
Date 01 APR 91		

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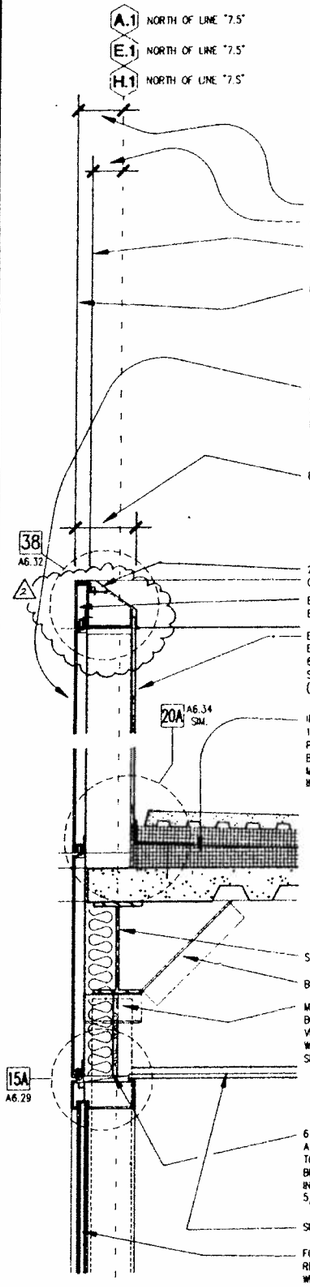

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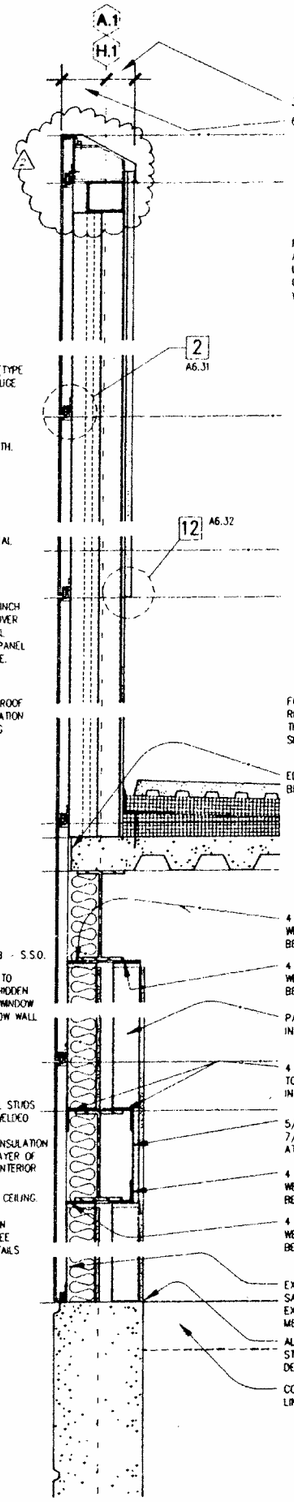

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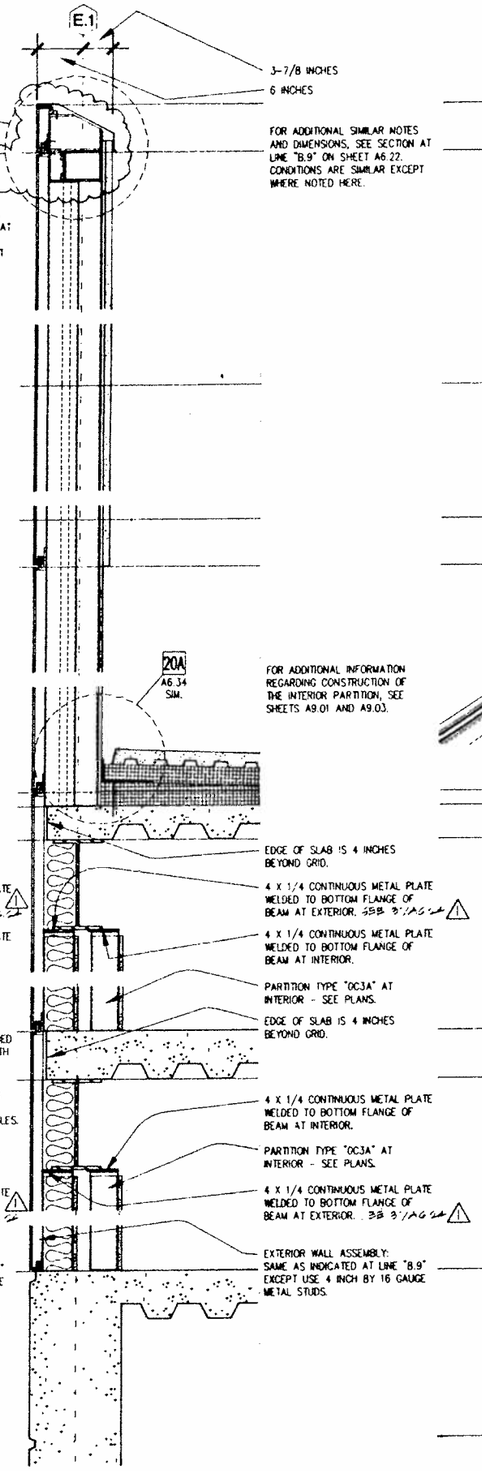

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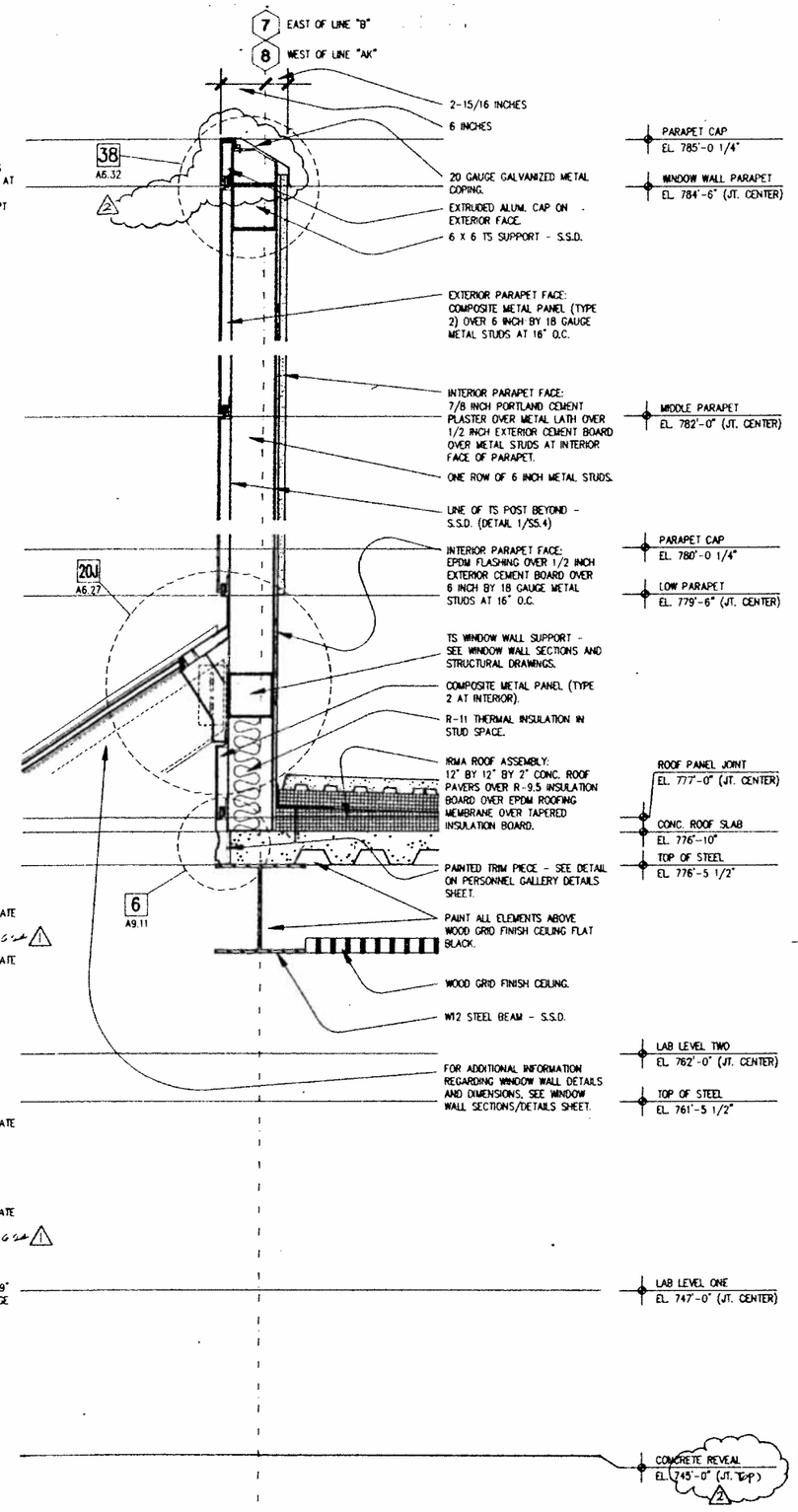

15 WALL SECTION

04:24:44 PM

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DETAIL WALL SECTIONS

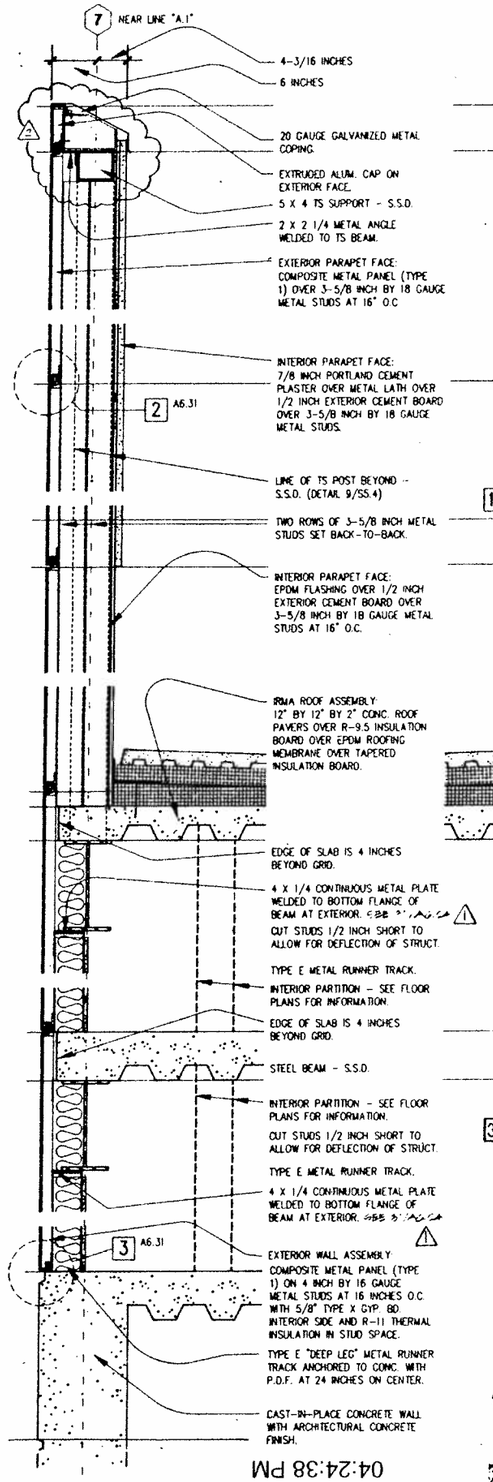
SCALE: 1 1/2 INCHES EQUALS 1 FOOT

Project No.		Drawing No.
19210.01	B 1	A6.23
Date 01 APR 91	BULLETIN	

19210.01

NO.	DWG. TITLE	NOTES

000638



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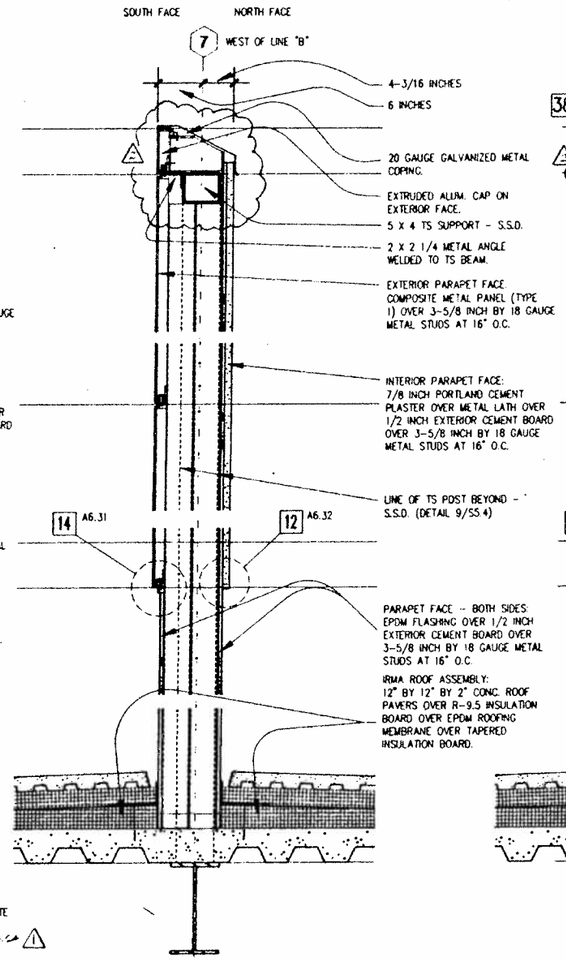

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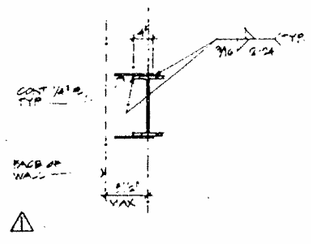
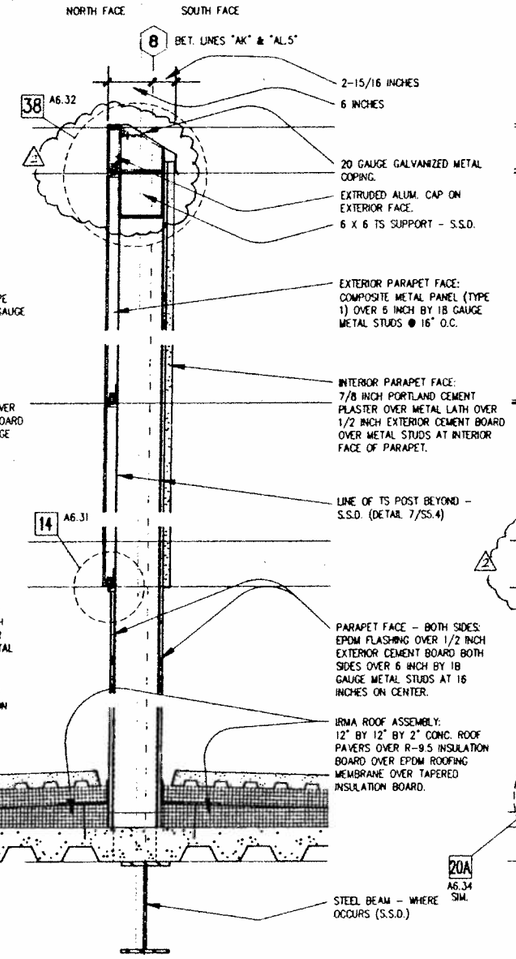


31 TYPICAL WELD AT STUD SUPPORT PLATE



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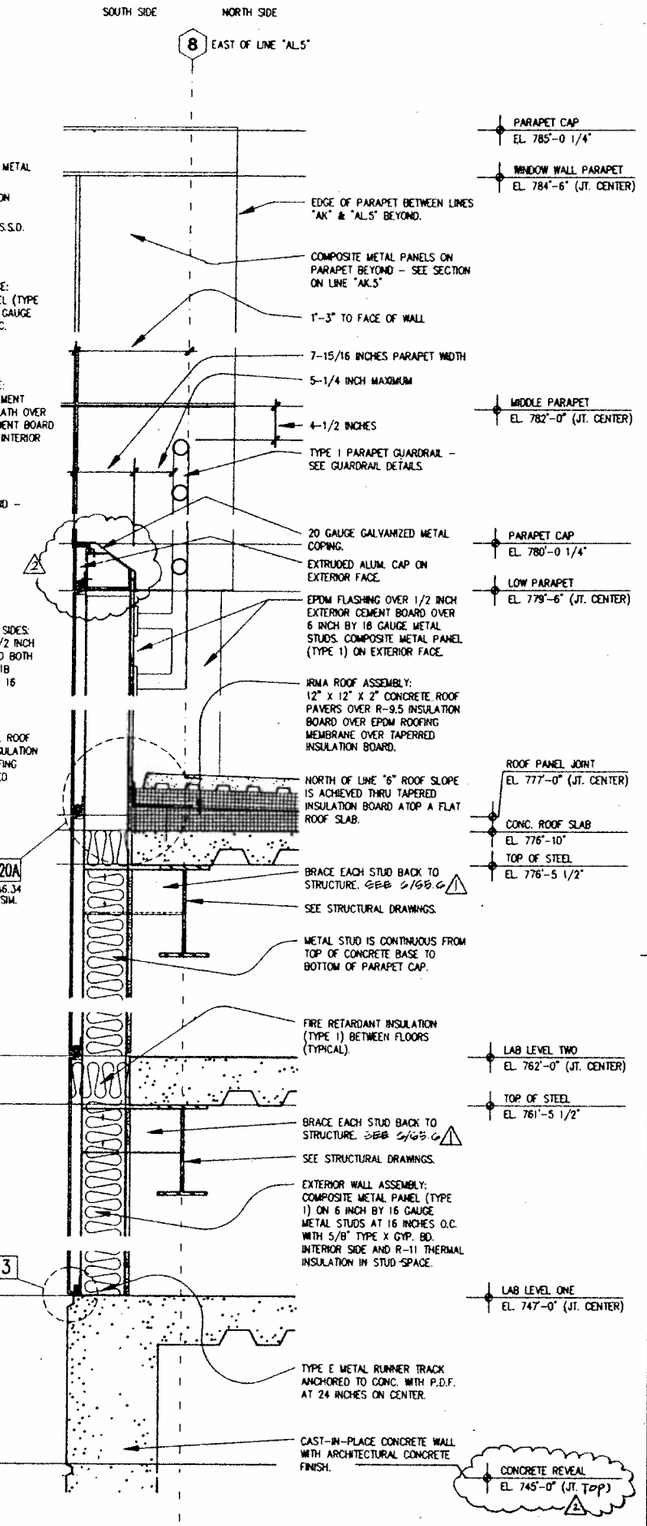

10 WALL SECTION

04:24:38 PM

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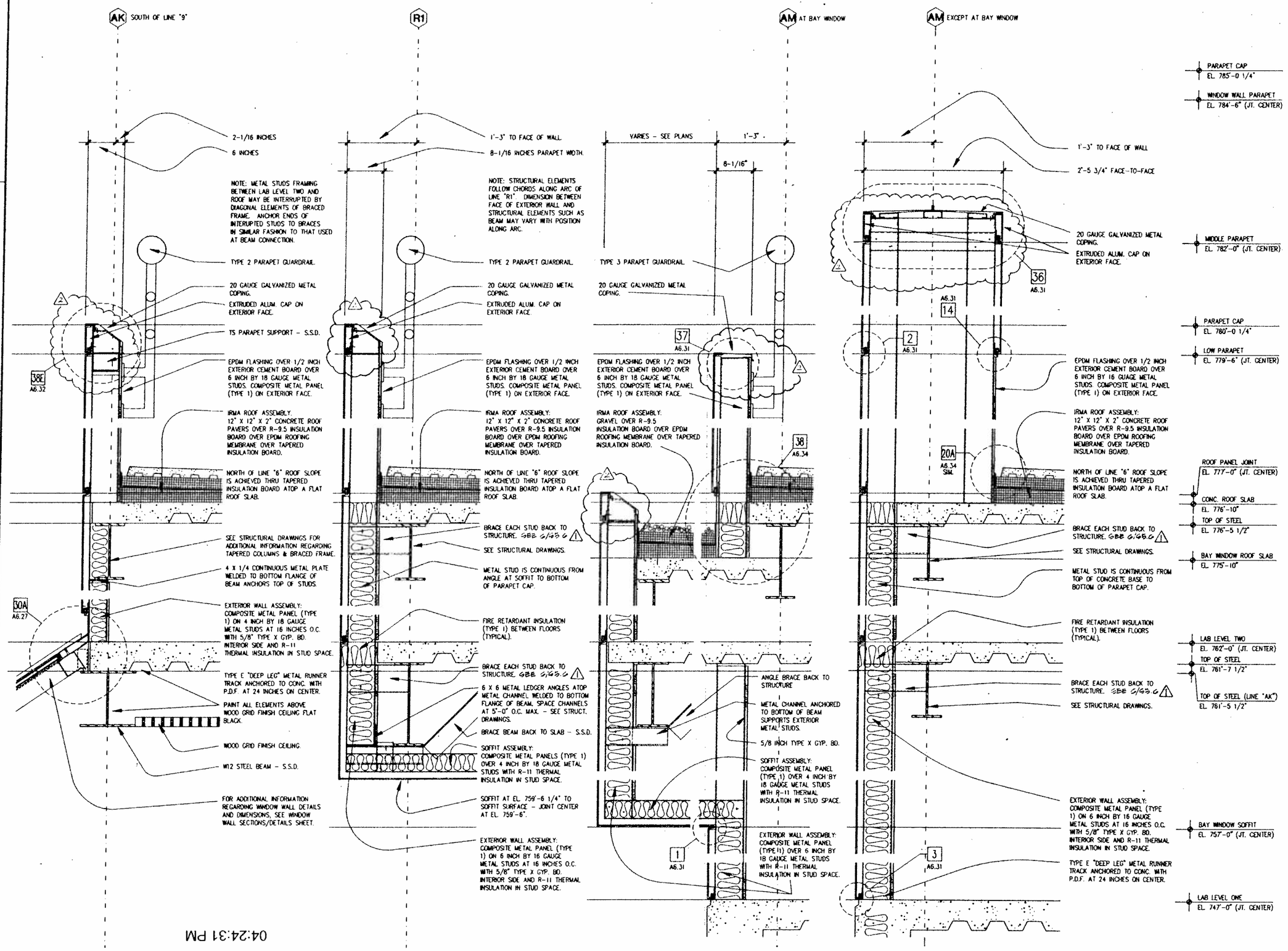
DETAIL WALL SECTIONS

SCALE: 1 1/2 INCHES EQUALS 1 FOOT

Project No. 19210.01
Date 01 APR 91
B 1 BULLETIN
Drawing No. A6.24

000639



40 WALL SECTION

30 WALL SECTION

25 WALL SECTION

15 WALL SECTION

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19210.01

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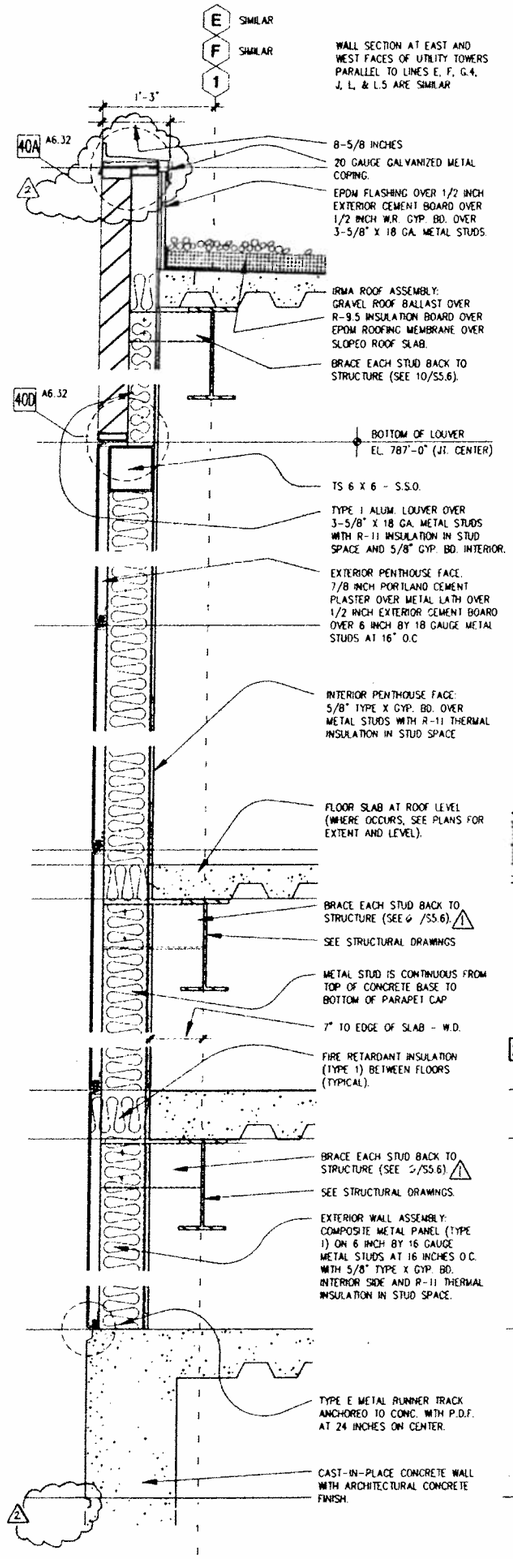
Drawing No. A6.25

000640



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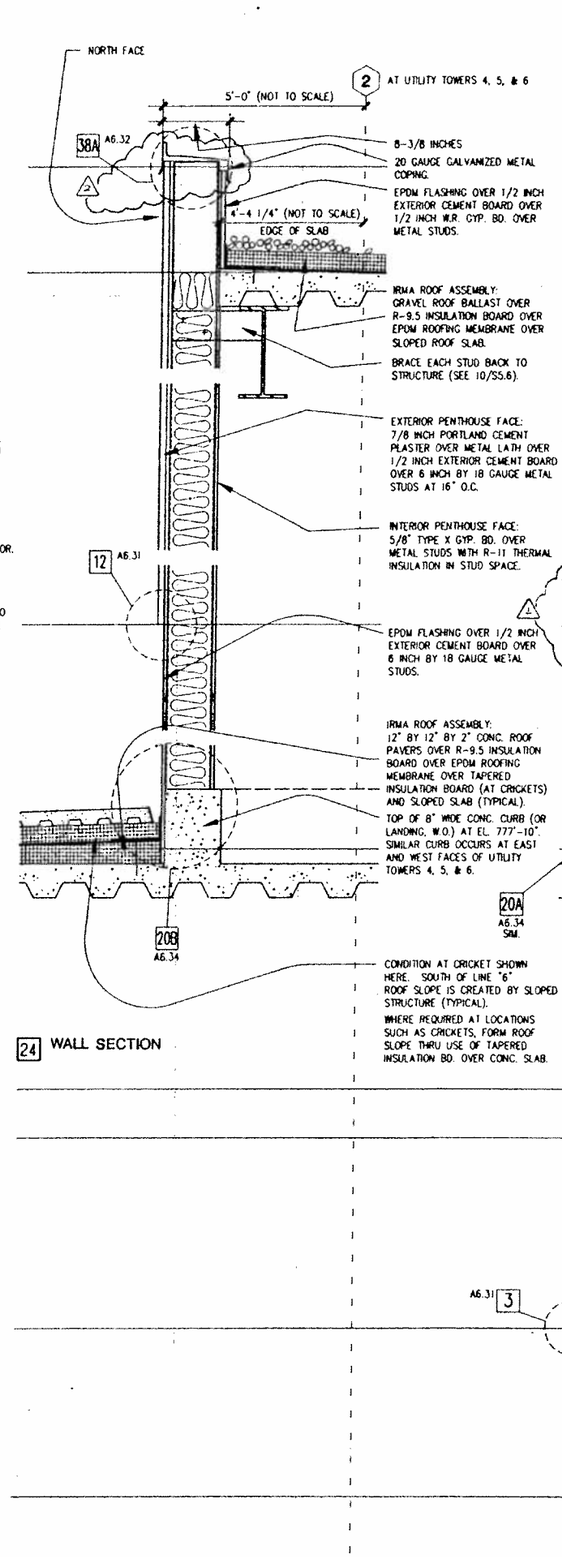

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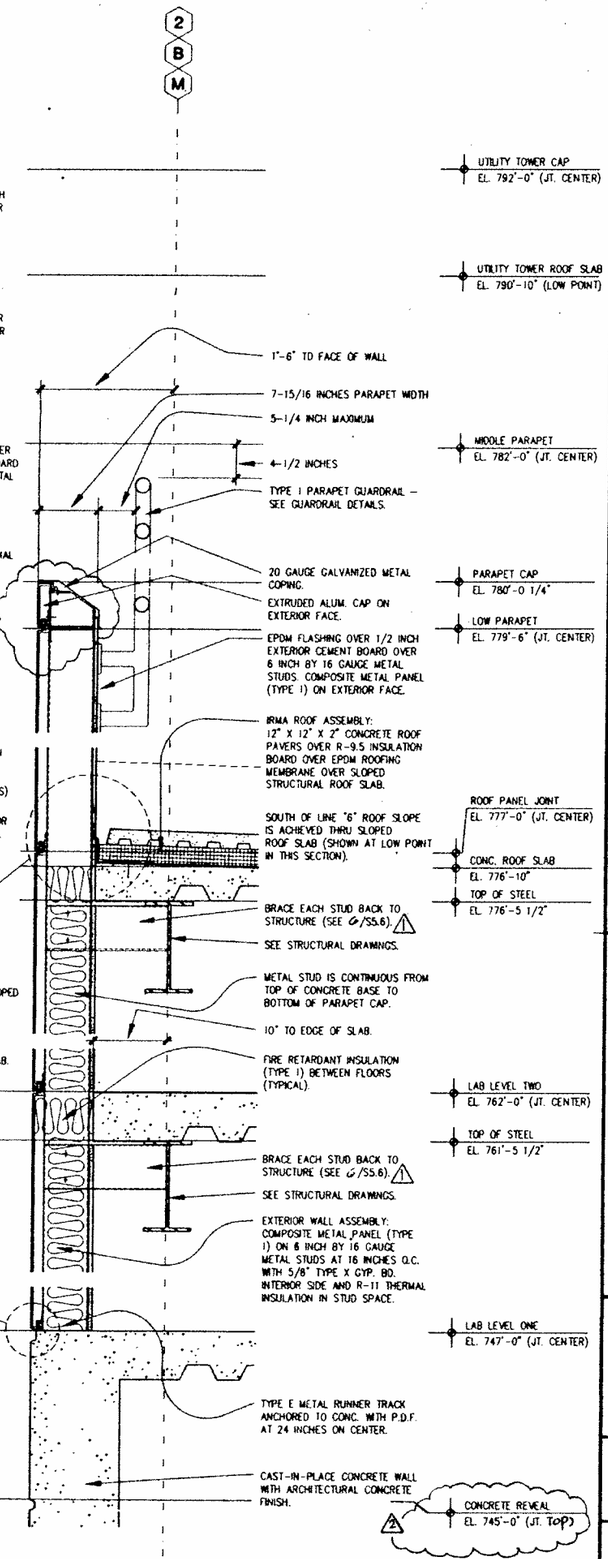

15 WALL SECTION

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EARL WALLS ASSOCIATES
5348 Carroll Canyon Road
San Diego, California 92121

Laboratory Architect

Laboratory Mechanical Engineer

Laboratory Electrical Engineer

Revisions

No.		Date
1	ADDENDUM NO. 2	10-19-91
2	BULLETIN NO. 1	

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

DETAIL WALL SECTIONS

SCALE: 1 1/2 INCHES EQUALS 1 FOOT

Project No. 19210.01

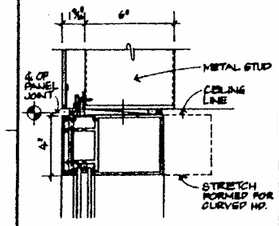
Date 01 APR 91

B 1 BULLETIN

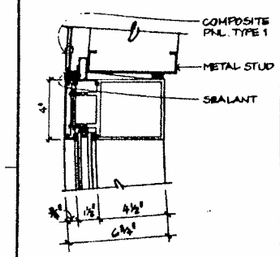
Drawing No. A6.26

04:24:26 PM

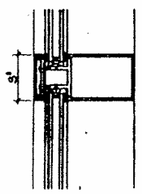
000641



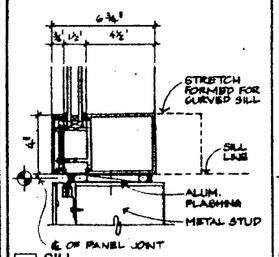
A HEAD



B JAMB

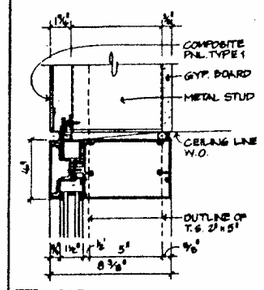


C INTERMEDIATE HORIZONTAL & VERTICAL MULLION

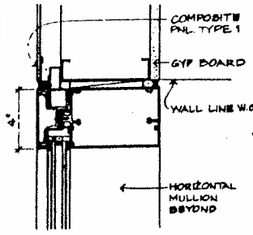


D SILL

40 10' X 10' PUNCHED WINDOW (AW-2)



A HEAD



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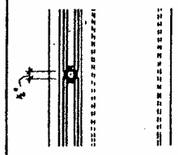
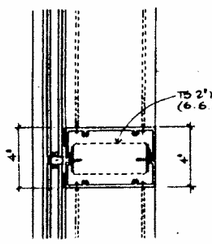
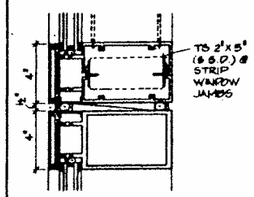


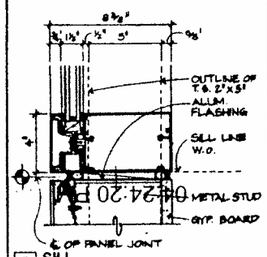
C BUTT GLAZING DETAIL



D VERTICAL MULLION

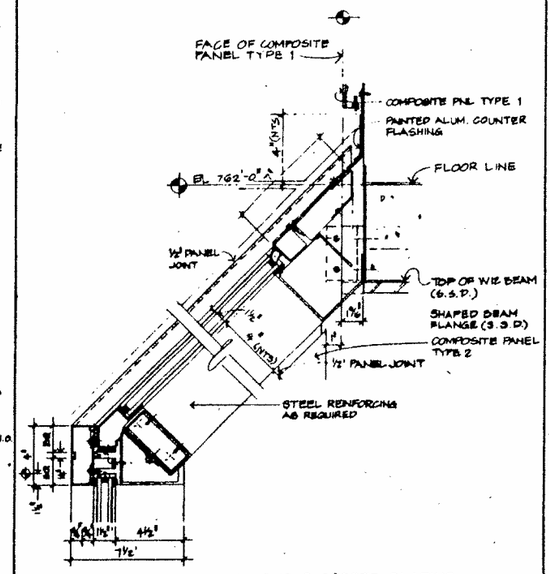


E VERTICAL MULLIONS

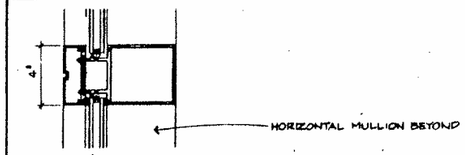


F SILL

35 WINDOW @ SOUTH WALL (AW-3)



A HEAD & HORIZONTAL MULLIONS @ SLOPED GLAZING



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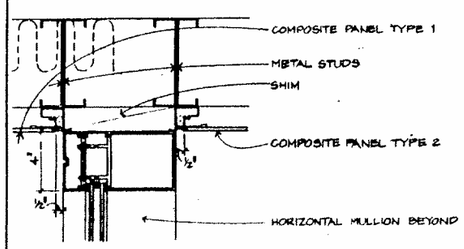

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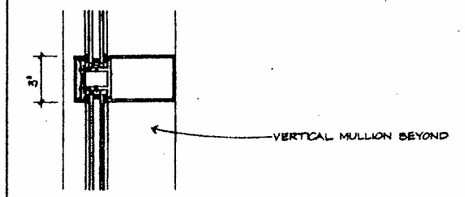
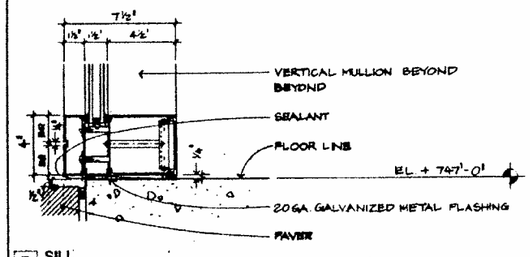
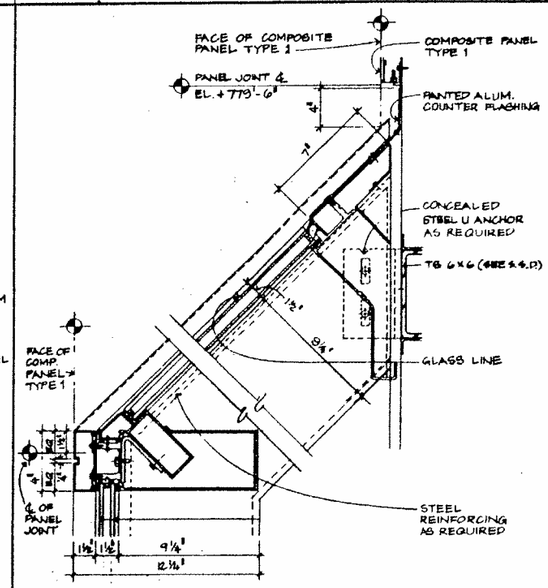


D TYPICAL HORIZONTAL MULLION

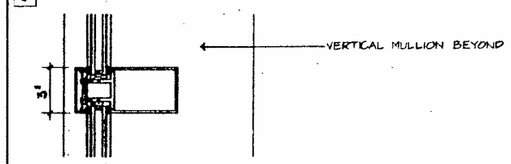


E SILL

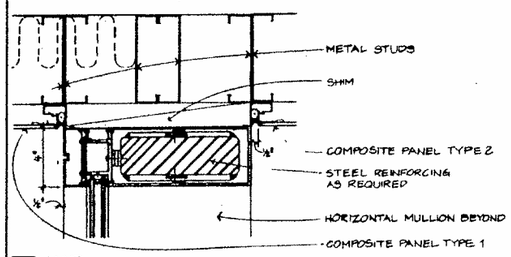
30 LOWER CURTAIN WALL (AWW-3)



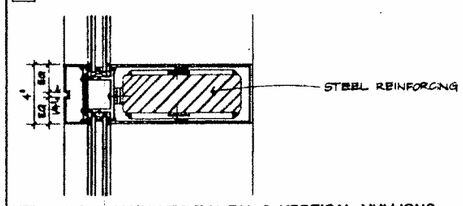
J HEAD & HORIZONTAL MULLIONS @ SLOPED GLAZING



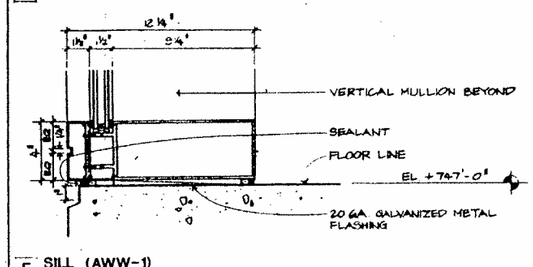
H INTERMEDIATE HORIZONTAL MULLION



G JAMB

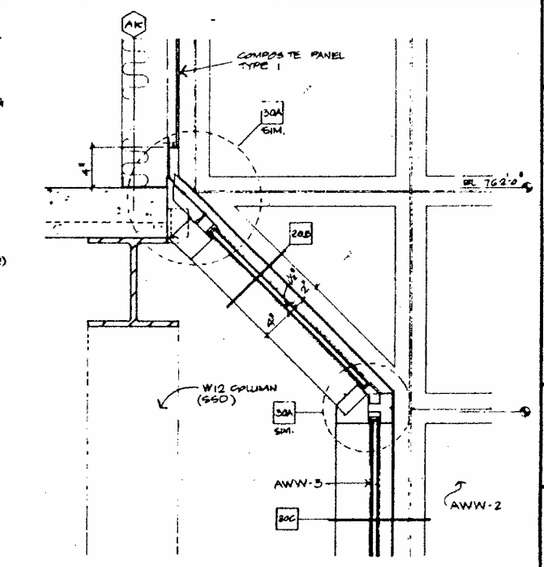


F TYPICAL MAIN HORIZONTAL & VERTICAL MULLIONS

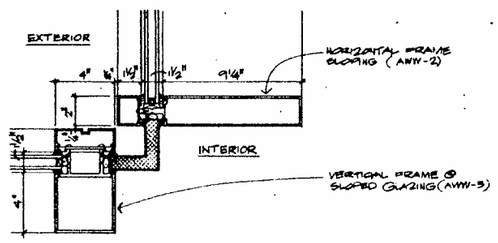


E SILL (AWW-1)

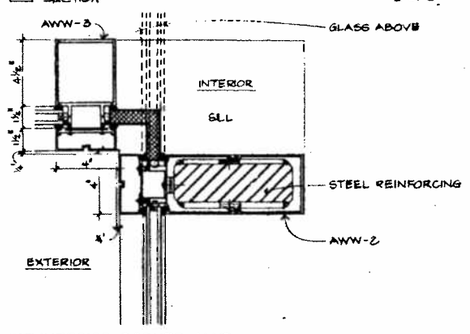
20 MAIN CURTAIN WALLS (AWW-1, AWW-2)



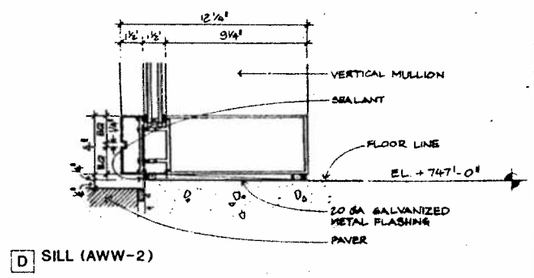
A INTERIOR CORNER @ SLOPED GLAZING (AWW-2, AWW-3)
SCALE: 1 1/2"=1'-0"
ELEVATION/SECTION



B INTERIOR CORNER CONDITION AT SLOPED GLAZING
SECTION
3"=1'-0"



C INTERIOR CORNER JAMB
PLAN SECTION



D SILL (AWW-2)

SMP

Stone Marraccini Patterson

Architecture
Planning
Interior Architecture

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David L. Martinez
Architect, AIA

Tech. Coord. | Checked | Tech. Arch.

LICENSED ARCHITECT DAVID L. MARTINEZ NO. 10709 REG. 5.2.92 STATE OF CALIFORNIA

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Revisions

No.	Date

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood · Los Angeles California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

EXTERIOR DETAILS
WINDOW WALL

SCALE: 3"=1'-0", U.O.N.

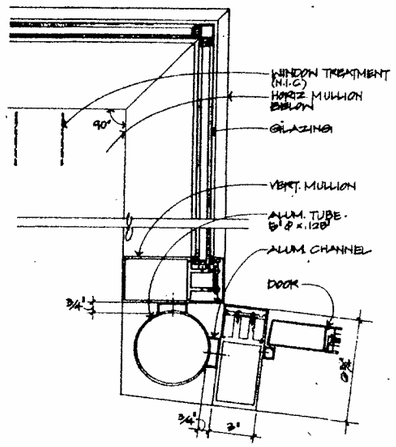
Project No. 19210.01

Date 01 APR 1991

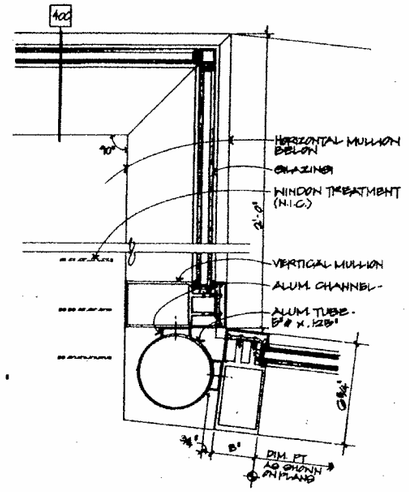
B BIDDING

Drawing No. A6.27

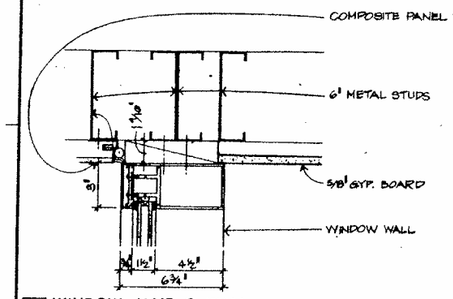
000642



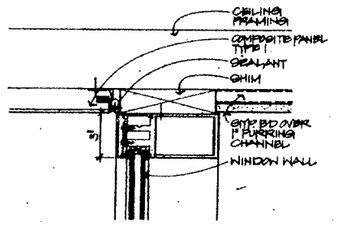
A CORNER CONDITION @ DOOR
PLAN SECTION



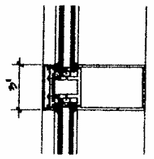
F CORNER CONDITION @ WINDOW WALL
PLAN SECTION



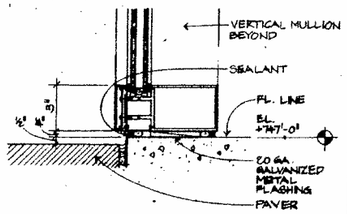
B WINDOW JAMB @ WALL
PLAN SECTION



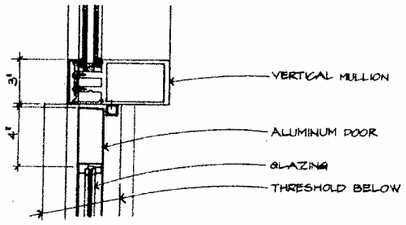
G HEAD @ SOFFIT



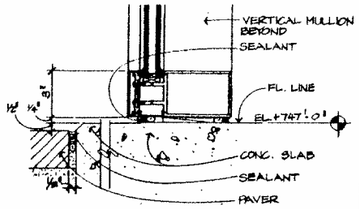
C TYPICAL VERTICAL MULLION (HORIZONTAL MULLION SIM.)
PLAN SECTION



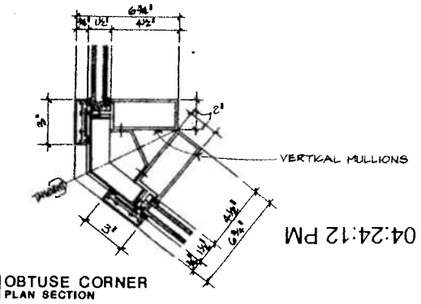
H SILL



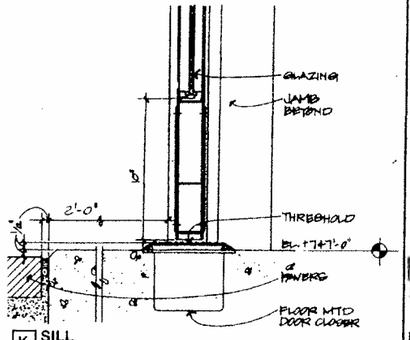
D DOOR JAMB (HEAD SIMILAR)
PLAN SECTION



J SILL

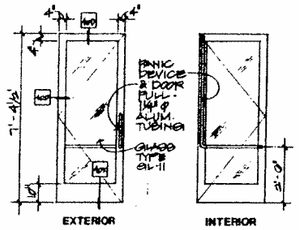


E OBTUSE CORNER
PLAN SECTION

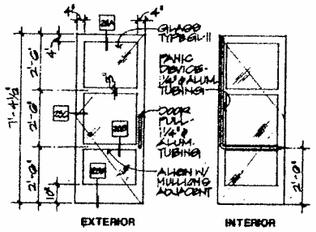


K SILL

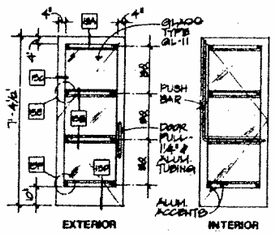
40 CAFETERIA (AWW-4)



A CAFETERIA - TYPE E

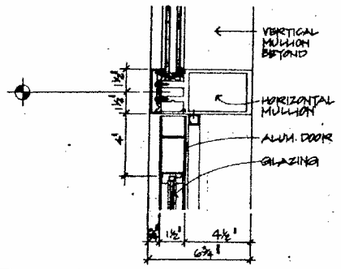


B STAIR TOWER - TYPE G

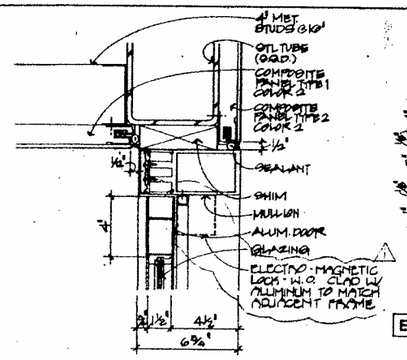


C ENTRY VESTIBULE - TYPE F

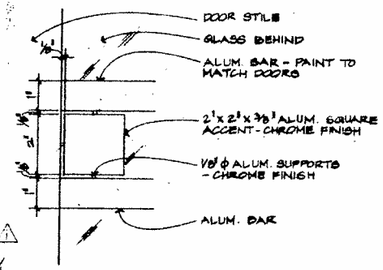
21 EXTERIOR ALUMINUM DOOR TYPES
SCALE: 3/8"=1'-0"



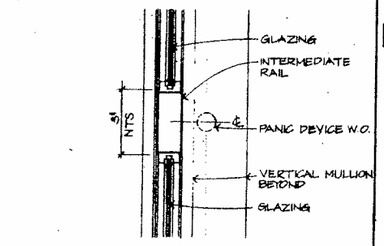
A DOOR FRAME HEAD



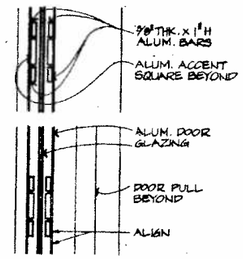
A DOOR FRAME HEAD



E ENLARGED DETAIL
ELEVATION 6"=1'-0"



B HORIZONTAL MEMBERS



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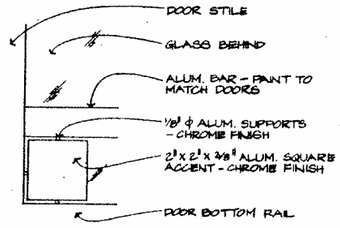
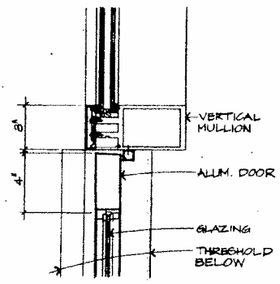
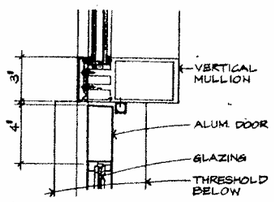


F ENLARGED DETAIL
ELEVATION 6"=1'-0"



C DOOR JAMB
PLAN SECTION



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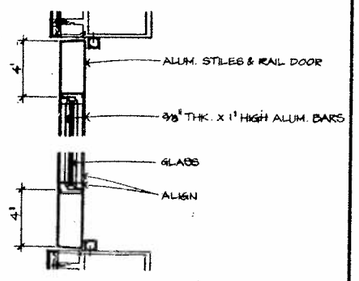
PLAN SECTION



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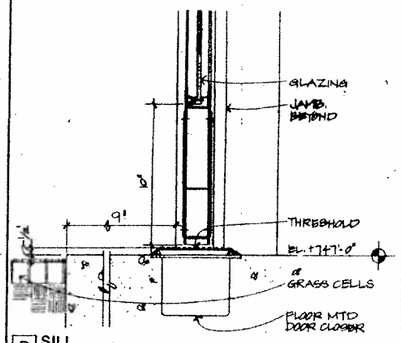
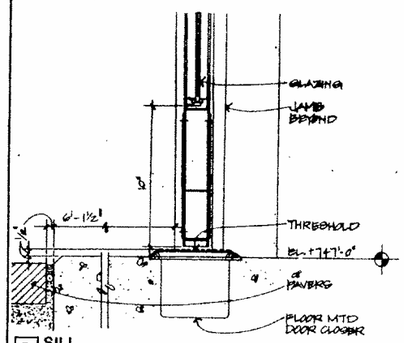
PLAN SECTION



D SILL

25 STAIR TOWER



D SILL

15 ENTRY VESTIBULE

SMP

Stone Marraccini Patterson

Architecture
Planning
Interior Architecture

One Market Plaza
Spear Street Tower
Suite 400
San Francisco
CA 94105

415 227-0100

David L. Martinez
Architect, AIA

Tech. Coord. | Checked Tech. Arch.

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Structural Engineer

GAYNER ENGINEERS
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San Francisco, California 94109
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Electrical Engineer

KELLER MITCHELL CARONNA
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San Francisco, California 94108
Landscape Architect

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Laboratory Architect
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Laboratory Electrical Engineer

Revisions

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North Hollywood - Los Angeles, California

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Kaiser Permanente Medical Care Program
Southern California Region

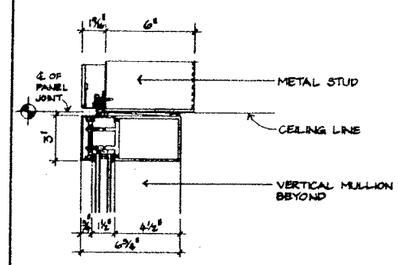
EXTERIOR DETAILS
WINDOW WALL

SCALE: 3"=1'-0", U.O.N.

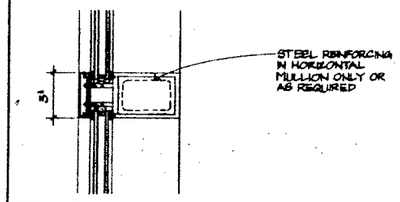
Project No. 19210.01
Date 15 MAY 1991
A ADDENDUM
Drawing No. A6.28

04:24:12 PM

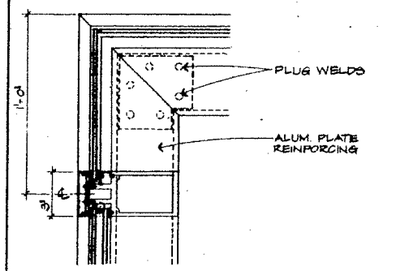
000643



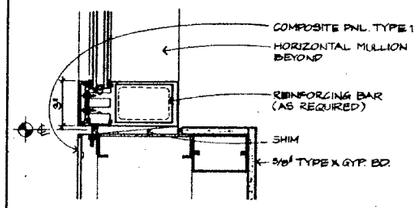
A HEAD



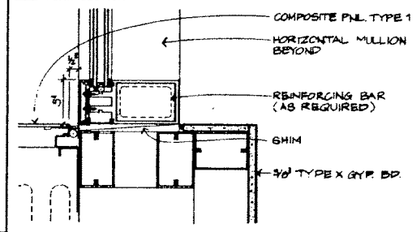
B TYPICAL HORIZONTAL & VERTICAL MULLION



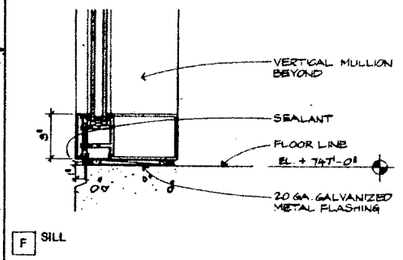
C SINGLE-GLAZED CORNER CONDITION
PLAN SECTION



D JAMB
PLAN SECTION

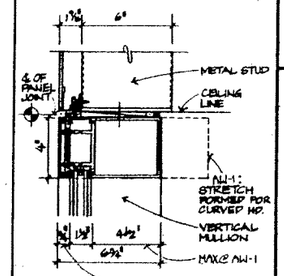


E TYPICAL JAMB
PLAN SECTION

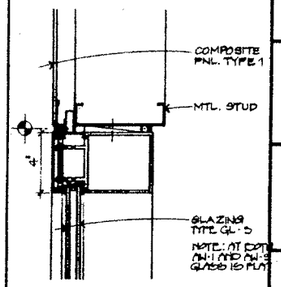


F SILL

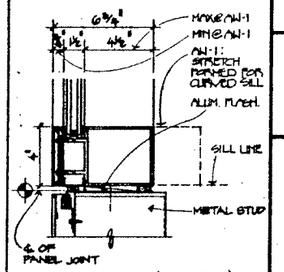
15 STAIR TOWERS (AWW-5,6,7)



A HEAD



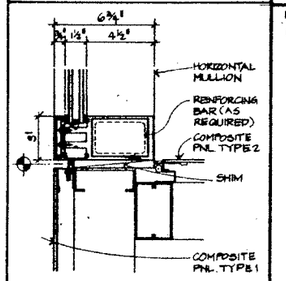
B JAMB
PLAN SECTION



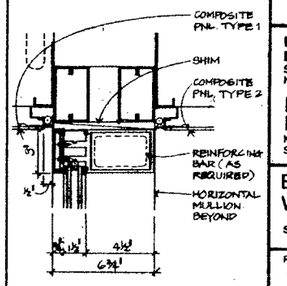
C SILL

(AW-1 FLAT)
(AW-5 CURVED)

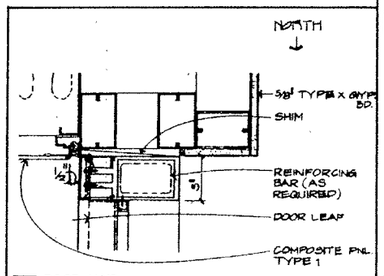
3 PUNCHED WINDOW



4 JAMB @ AWW-7 (EAST FACE)



5 JAMB @ AWW-6 (WEST FACE)



DOOR JAMB
PLAN SECTION

20 DOOR JAMB @ STAIR TOWERS

04:24:06 PM

SMP

Stone
Marraccini
Patterson

Architecture
Planning
Interior Architecture

One Market Plaza
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CA 94105

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David L. Martinez
Architect, AIA

Tech. Coord. | Checked | Tech. Arch.

LICENSED ARCHITECT DAVID L. MARTINEZ No. 10709 REN. 12-31-91 STATE OF CALIFORNIA

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Electrical Engineer

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EARL WALLS ASSOCIATES
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Laboratory Architect

Laboratory Mechanical Engineer

Laboratory Electrical Engineer

Revisions

No.	Date

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

EXTERIOR DETAILS WINDOW WALL

SCALE: 3"=1'-0", U.O.N.

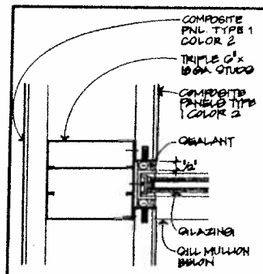
Project No. 19210.01

Date 01 APR. 1991

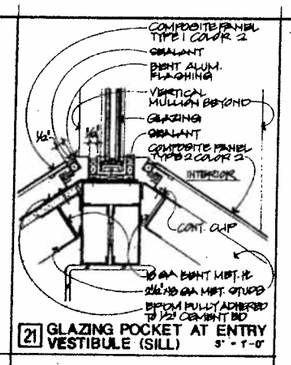
B BIDDING

Drawing No. A6.29

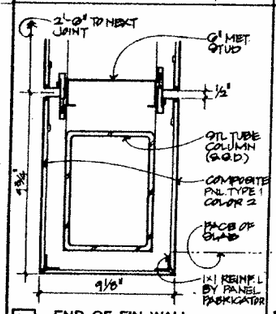
000644



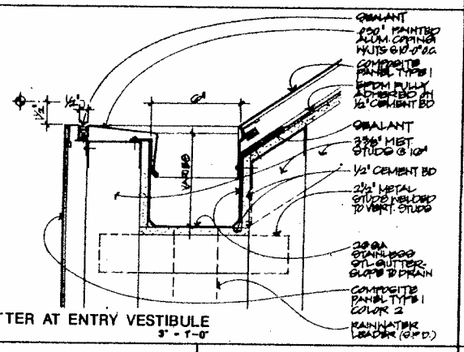
36 GLAZING POCKET AT ENTRY VESTIBULE (JAMB) 3" = 1'-0"



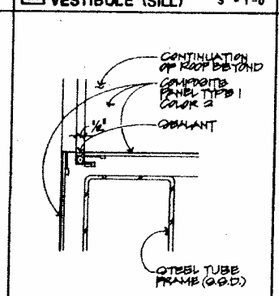
21 GLAZING POCKET AT ENTRY VESTIBULE (SILL) 3" = 1'-0"



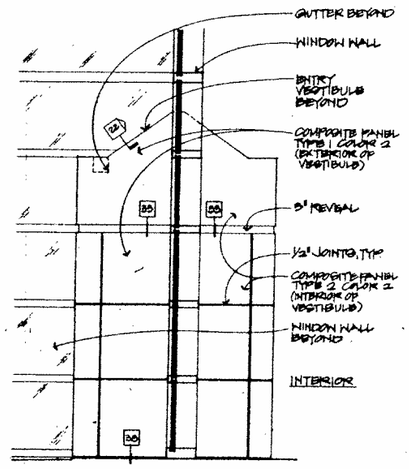
37 END OF FIN WALL PLAN SECTION 3" = 1'-0"



32 GUTTER AT ENTRY VESTIBULE 3" = 1'-0"

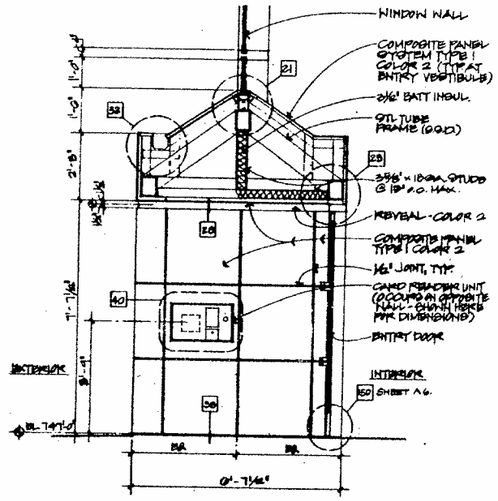


22 EAVE - ENTRY VESTIBULE 3" = 1'-0"

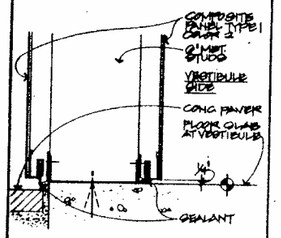


A ELEVATION/SECTION

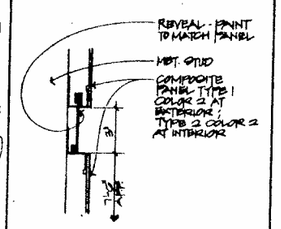
17 ENTRY VESTIBULE



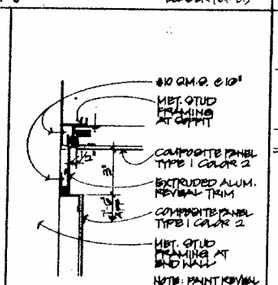
B SECTION



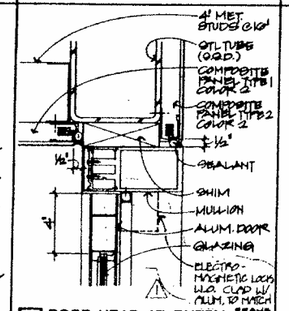
38 SILL AT ENTRY VESTIBULE 3" = 1'-0"



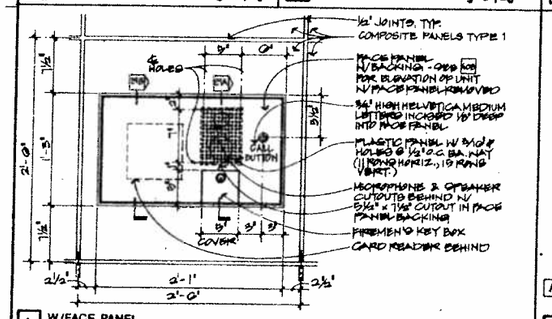
23 REVEAL AT WALL 3" = 1'-0"



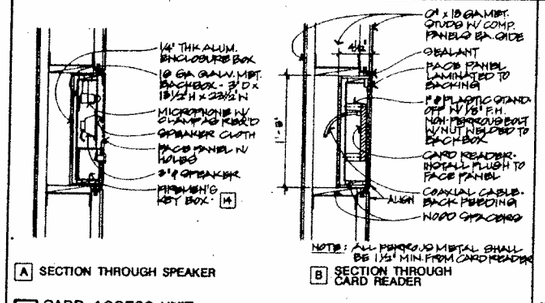
28 REVEAL AT SOFFIT 3" = 1'-0"



23 DOOR HEAD AT ENTRY FRAME 3" = 1'-0"



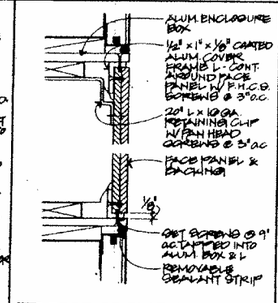
A W/FACE PANEL



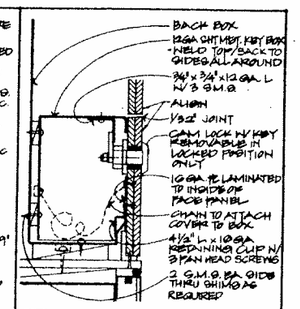
A SECTION THROUGH SPEAKER

B SECTION THROUGH CARD READER

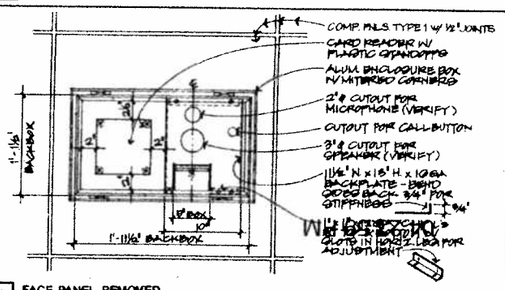
29 CARD ACCESS UNIT



18 EDGE OF FACE PANEL SECTION 6" = 1'-0"

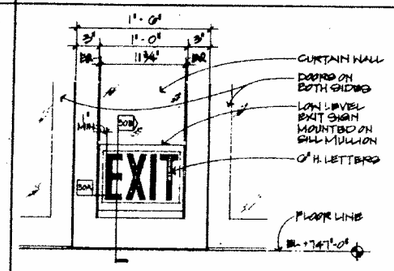


14 FIREMEN'S KEY BOX SECTION SCALE: 6" = 1'-0"



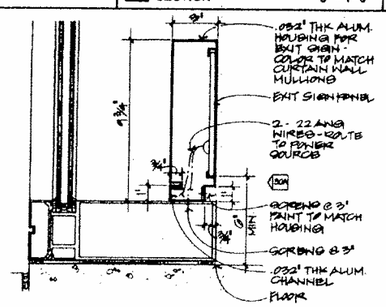
B FACE PANEL REMOVED

40 ELEVATION - CARD ACCESS

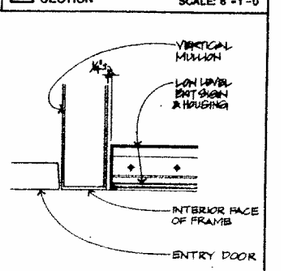


A ELEVATION

30 LOW LEVEL EXIT SIGN



B SECTION



C SECTION DETAIL SCALE: 3" = 1'-0"

PROJECT NO. 19210.01

NO.	DATE	NOTES
1	5-15-91	ADDENDUM NO. 1

SMP

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Structural Engineer

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Mechanical Engineer

Electrical Engineer

KELLER MITCHELL CARDINIA
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San Francisco, California 94108

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EARL WALLS ASSOCIATES
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Laboratory Mechanical Engineer

Laboratory Electrical Engineer

Revisions

No.		Date
1	ADDENDUM NO. 1	5-15-91

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood - Los Angeles, California

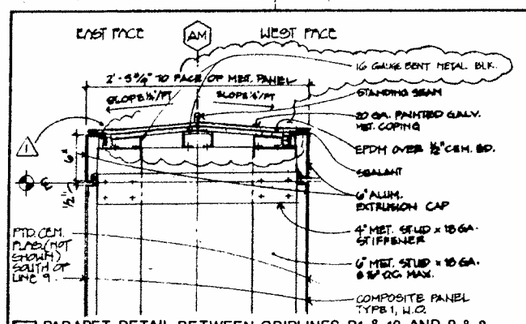
Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

EXTERIOR DETAILS ENTRY VESTIBULE

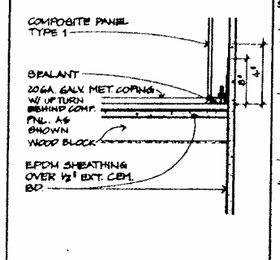
SCALE: 1 1/2" = 1'-0", U.O.N.

Project No.		Drawing No.
19210.01	A	A6.30
Date 15 MAY 1991	ADDENDUM	

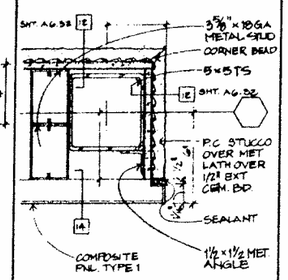
000645



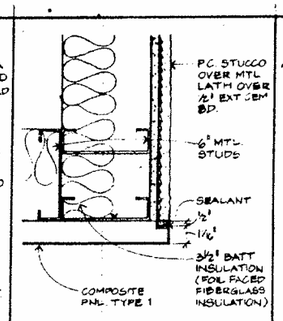
36 PARAPET DETAIL BETWEEN GRIDLINES R1 & 10 AND 9 & 8
SECTION
SCALE: 1 1/2"=1'-0"



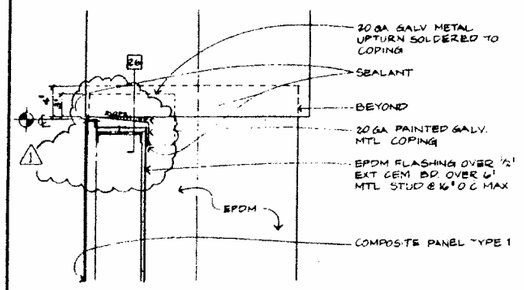
26 PARAPET COPING DETAIL
SECTION



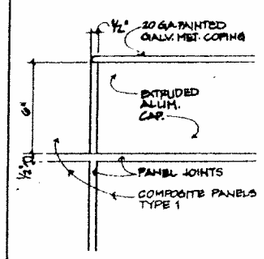
21 PARAPET END CONDITION
PLAN SECTION



16 PARAPET CORNER CONDITION
PLAN SECTION

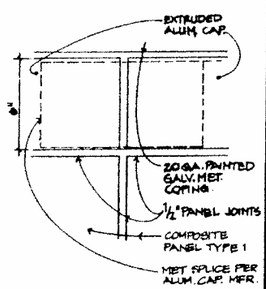


37 PARAPET DETAIL BETWEEN GRIDLINES 10 & 9.2
SECTION
SCALE: 1 1/2"=1'-0"

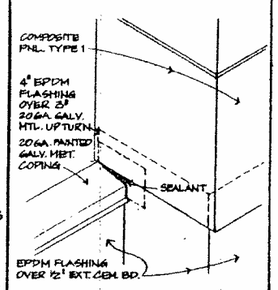


A END CONDITION
ELEVATION

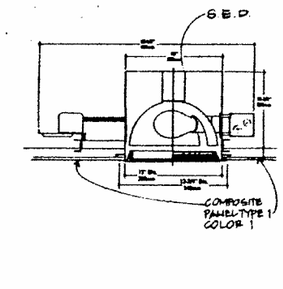
27 CAP JOINT DETAIL



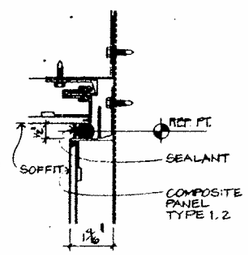
B TYPICAL CONDITION
ELEVATION



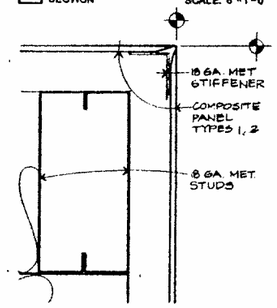
17 PARAPET COPING DETAIL
– AXONOMETRIC
NTS



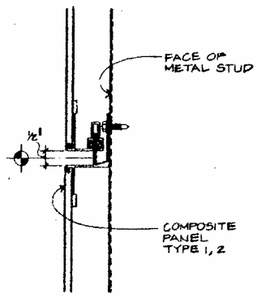
6 LIGHT @ SOFFIT
SECTION
SCALE: 6"=1'-0"



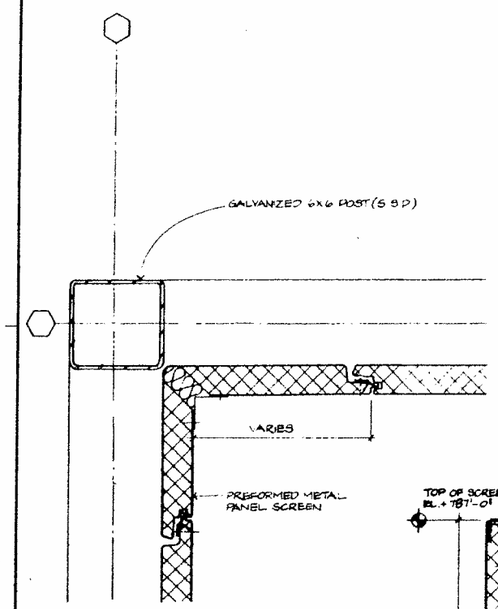
1 SOFFIT DETAIL
SECTION
SCALE: 6"=1'-0"



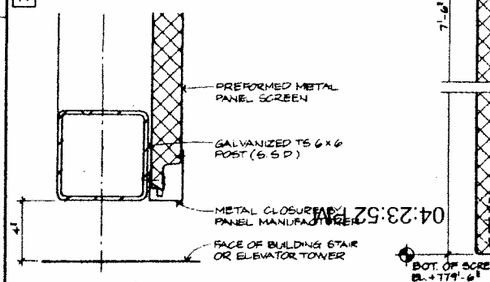
7 EXTERIOR CORNER DETAIL
PLAN SECTION
SCALE: 6"=1'-0"



2 TYP. HORIZONTAL PANEL JT.
SECTION
SCALE: 6"=1'-0"

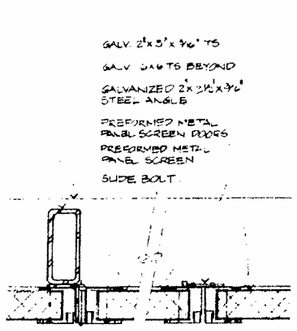


A INSIDE CORNER

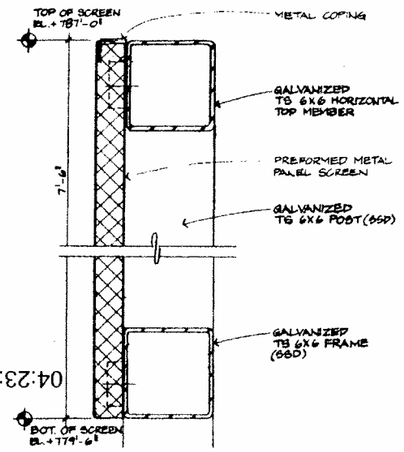


F END CONDITION

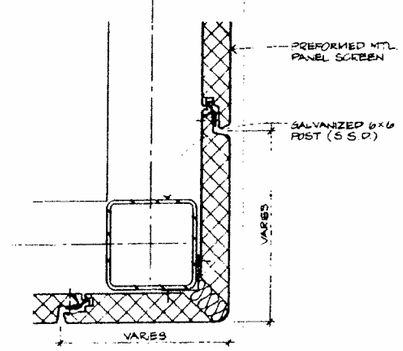
40 MECHANICAL SCREEN DETAILS



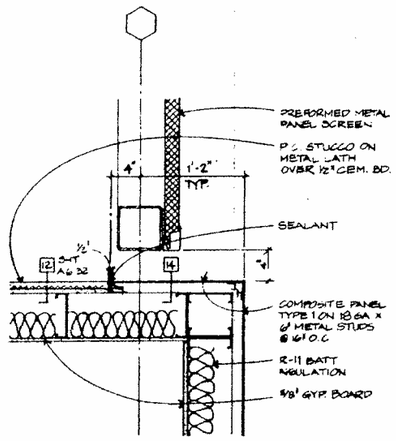
B DOOR JAMB



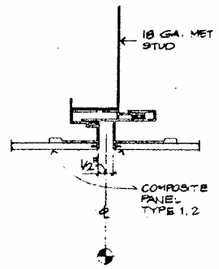
E SECTION



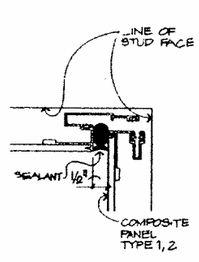
C EXTERIOR CORNER



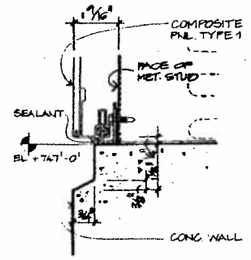
D EXTERIOR CORNER WALL DETAIL @ ROOF (TYP.)
PLAN SECTION
SCALE: 1 1/2"=1'-0"



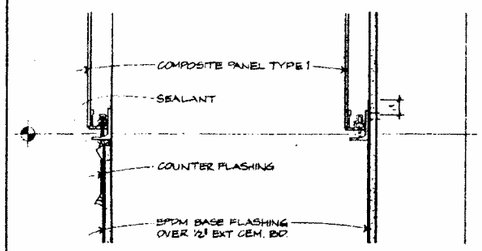
13 TYP. VERTICAL PANEL JT.
PLAN SECTION
SCALE: 6"=1'-0"



8 INTERIOR CORNER DETAIL
PLAN SECTION
SCALE: 6"=1'-0"

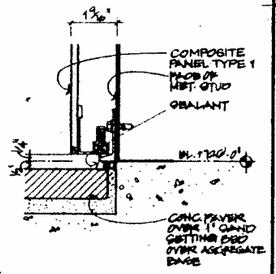


3 BASE DETAIL
SECTION
SCALE: 6"=1'-0"



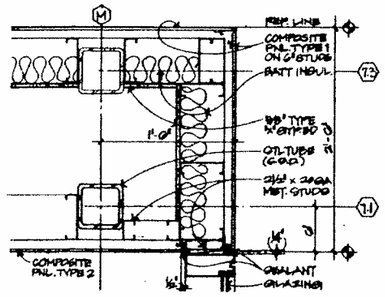
14 PARAPET BASE FLASH'G DET.
SECTION

9 PARAPET BASE FLASH'G DET.
SECTION



4 METAL PANEL BASE
@ ENTRY COURT
SCALE: 6"=1'-0"

TYPICAL COMPOSITE PANEL TYPE 1 & TYPE 2 DETAILS



15 METAL PANELS @ CORNER
PLAN SECTION
SCALE: 1 1/2"=1'-0"

SMP

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Marraccini
Patterson

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Revisions

No.	Date
1 BULLETIN NO. 1	

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

EXTERIOR DETAILS
ROOF, ROOF SCREEN
METAL PANEL DETAILS
SCALE: 3"=1'-0", U.O.N.

Project No.		Drawing No.
19210.01	B 1	A6.31
Date 01 APR 91	BULLETIN	

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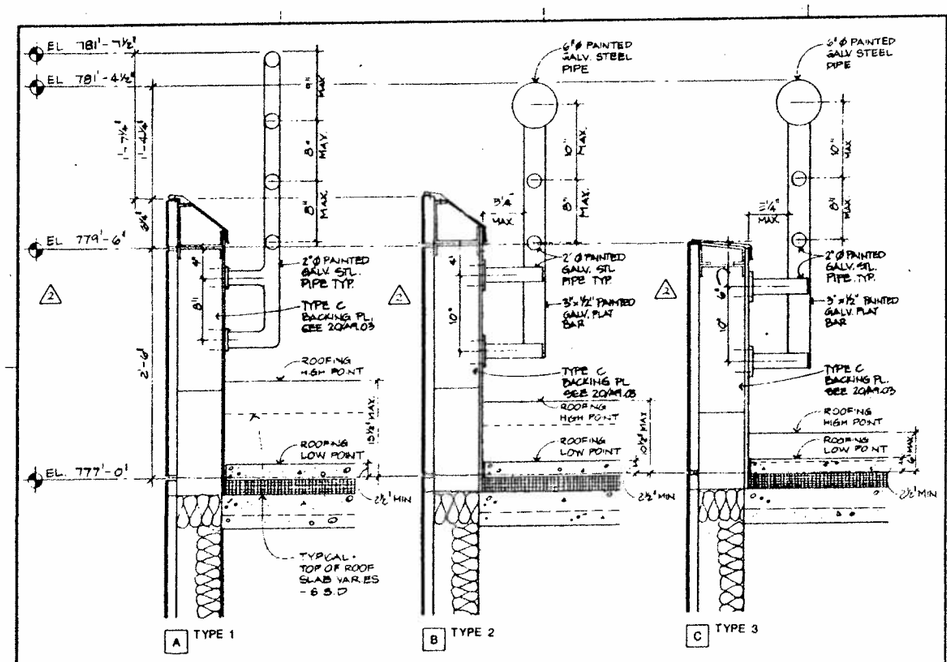
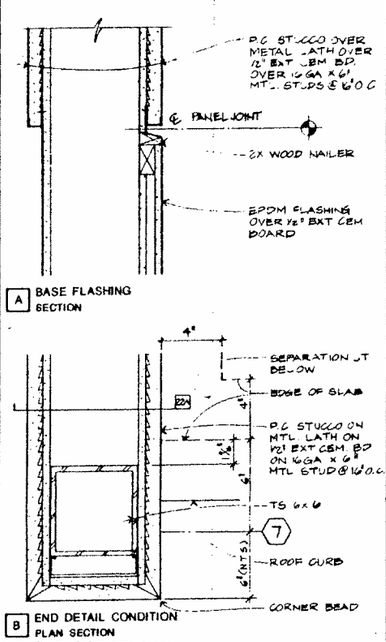
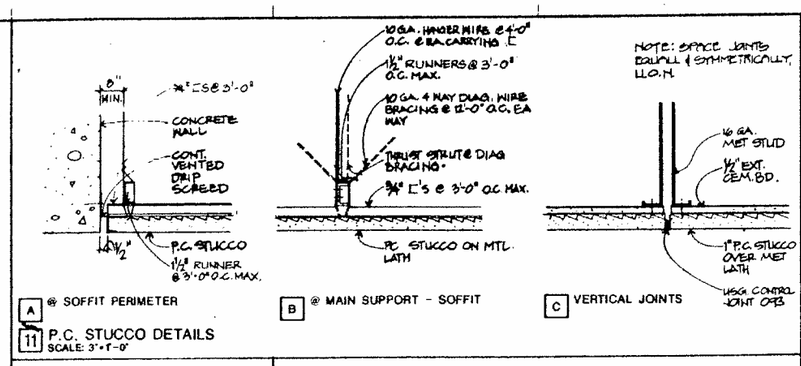


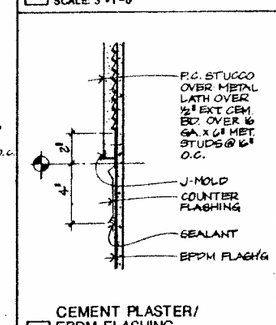
37 PARAPET GUARDRAIL DETAILS
SECTIONS



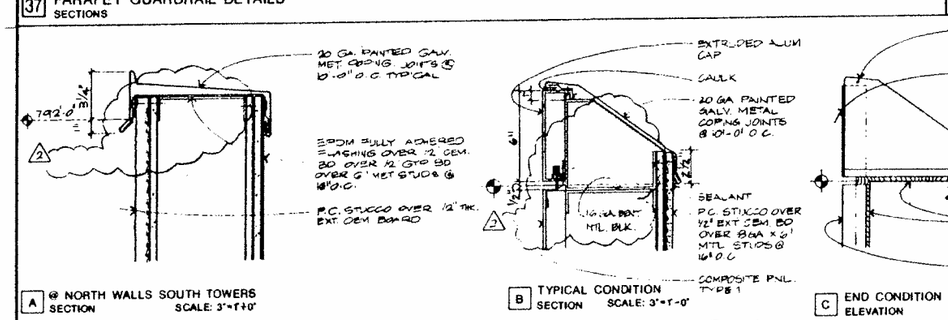
22 PARAPET DETAILS
SCALE: 3"=1'-0"



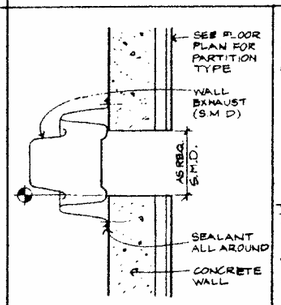
11 P.C. STUCCO DETAILS
SCALE: 3"=1'-0"



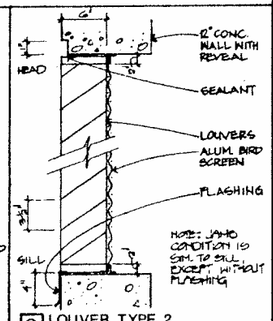
12 CEMENT PLASTER/ EPDM FLASHING
SECTION SCALE: 3"=1'-0"

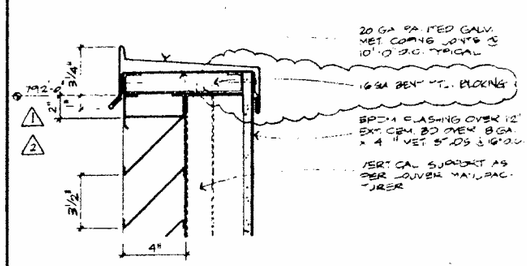


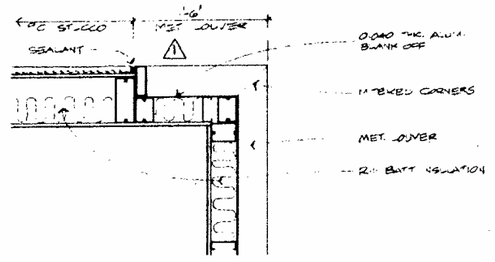
38 PARAPET COPING DETAILS - FOR ADDITIONAL INFO REGARDING SPECIFIC CONDITIONS, SEE DETAIL WALL SECTIONS ON SHEETS A6.22 - A6.26

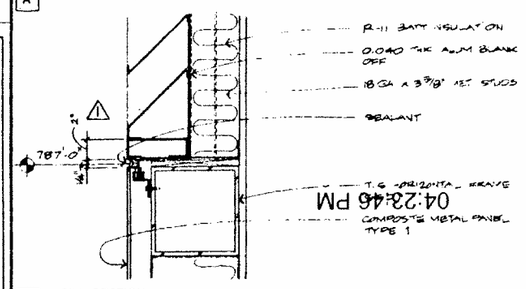


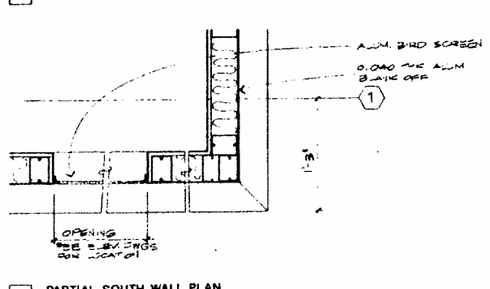
8 WALL EXHAUST
SECTION NTS



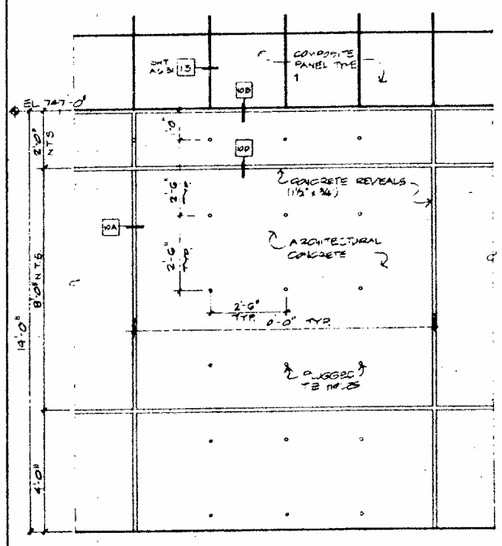




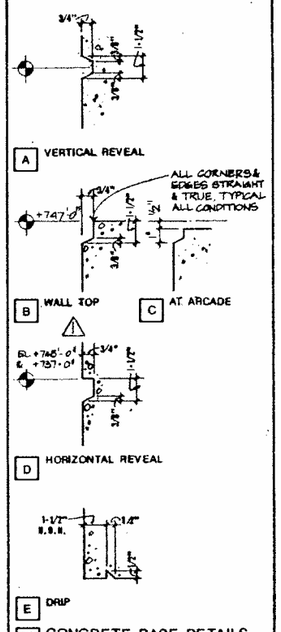




40 LOUVER TYPE 1 DETAILS



20 CONCRETE WALL PARTIAL ELEVATION
SCALE: 1/2"=1'-0"



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Revisions

No.		Date
1	ADDENDUM NO. 1	5-16-91
2	BULLETIN NO. 1	

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

EXTERIOR DETAILS
ROOF DETAILS

SCALE: 1 1/2"=1'-0", U.O.N.

Project No.		Drawing No.
19210.01	B 1	A6.32
Date 15 MAY 91	BULLETIN	

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TITLE
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TITLE
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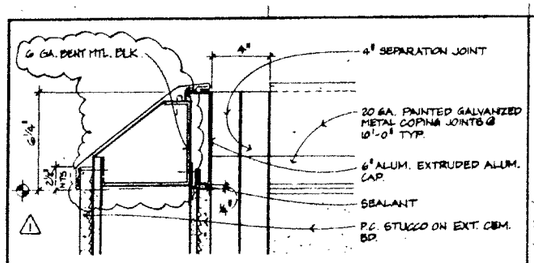
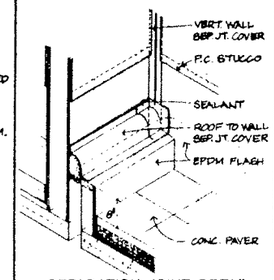
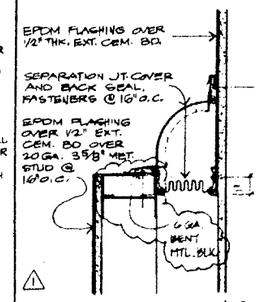


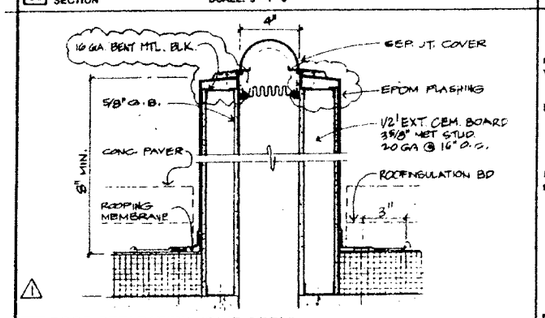
36 SEPARATION JOINT @ PARAPET
SECTION SCALE: 3"=1'-0"



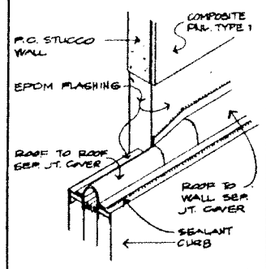
26 SEPARATION JOINT DETAIL - ROOF TO WALL CONDITION
SCALE: 3/4"=1'-0"



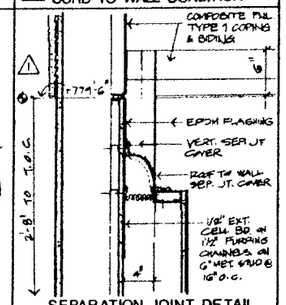
21 SEP. JOINT DET. 3"=1'-0"
CURB TO WALL CONDITION



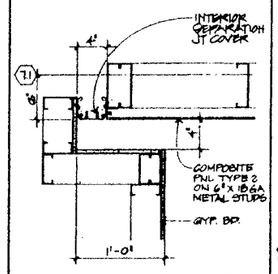
37 ROOF SEPARATION JOINT DETAIL
SCALE: 3"=1'-0"



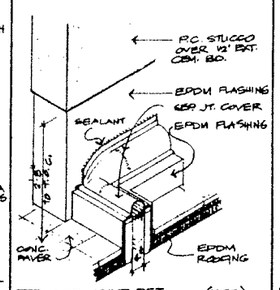
27 SEP. JOINT DETAIL (N.T.S.)
ROOF TO WALL CONDITION



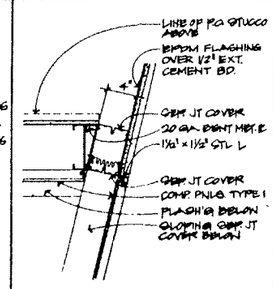
22 SEPARATION JOINT DETAIL
- ROOF TO WALL CONDITION



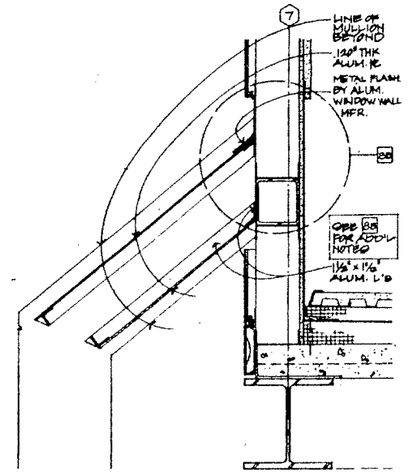
33 SEPARATION JOINT DETAIL -
INTERIOR WALL
PLAN SECTION



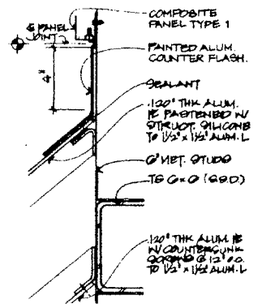
28 SEP. JOINT DET. (N.T.S.)
CORNER CONDITION



A @ PARAPET
PLAN SECTION

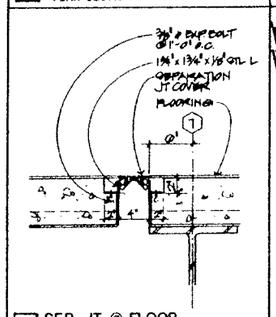


A SECTION

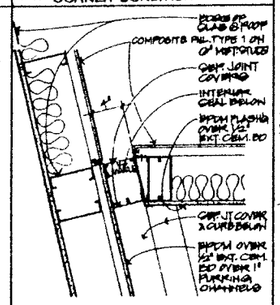


B SECTION DETAIL
SCALE: 3"=1'-0"

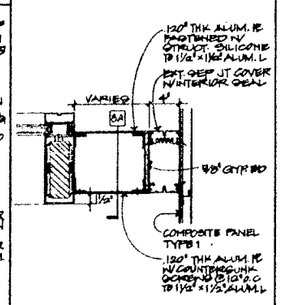
8 PLATE FILLER @ AWW-2 SEPARATION JOINT



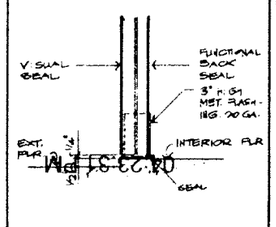
34 SEP. JT @ FLOOR
SECTION



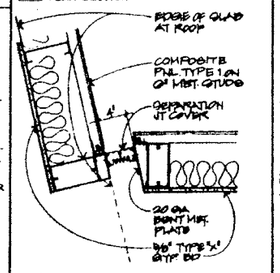
A @ PARAPET
PLAN SECTION



B @ SLOPED GLAZING
SECTION

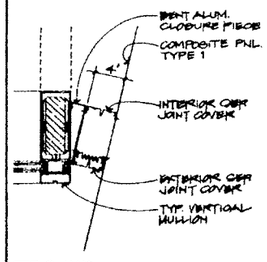


35 SEP. JOINT DETAIL-BASE
SECTION



B @ LEVEL 2
PLAN SECTION

30 SEP. JT. @ AL.7 (SEE SSD)



C @ JAMB
PLAN SECTION

25 SEPARATION JT. @ AWW-2

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EXTERIOR DETAILS
SEPARATION JOINT

SCALE: 1 1/2"=1'-0", U.O.N.

Project No.		Drawing No.
19210.01	B 1 BULLETIN	A6.33
Date 01 APR 91		

PROJECT NO. 19210.01

NO.	DATE	REVISIONS	NOTICE

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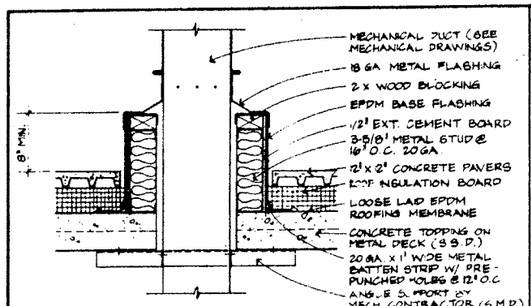
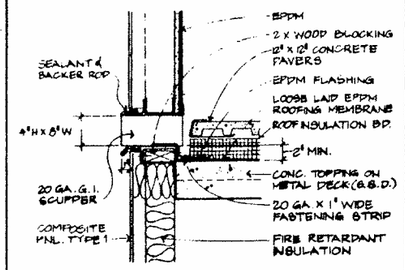
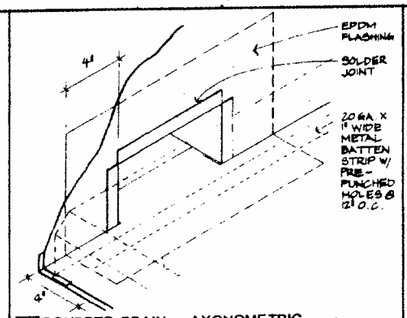


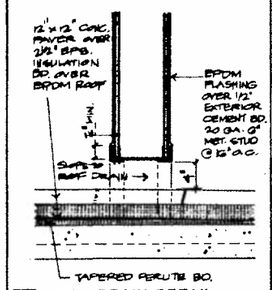
36 DUCT PENETRATION THROUGH ROOF



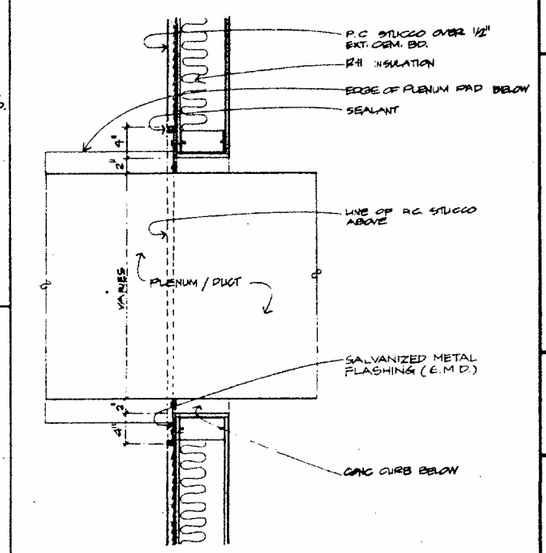
26 OVERFLOW SCUPPER DETAIL



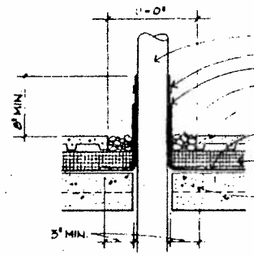
21 SCUPPER DRAIN - AXONOMETRIC
SCALE: 3"=1'-0"



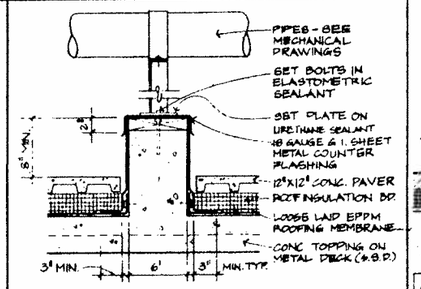
11 WALL DRAIN DETAIL
SECTION



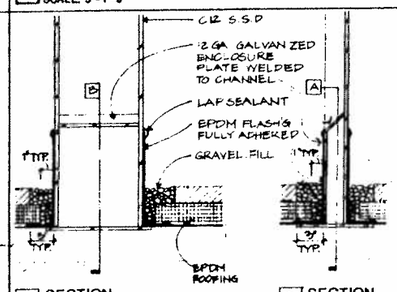
A PLAN SECTION



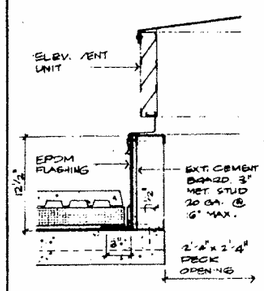
37 ROOF PENETRATION DETAIL - PIPE



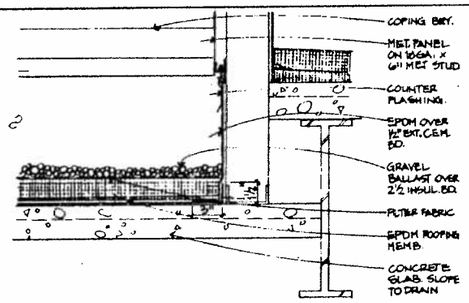
27 SECTION AT PIPE SUPPORT CURB



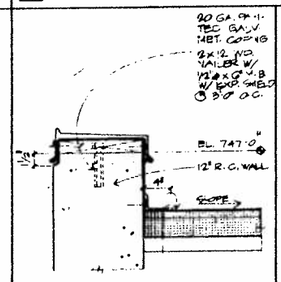
22 BRIDGE COLUMN BASE DETAILS



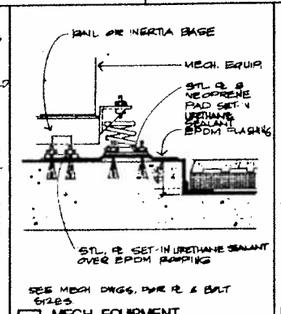
12 ELEVATOR VENT DET.
SECTION



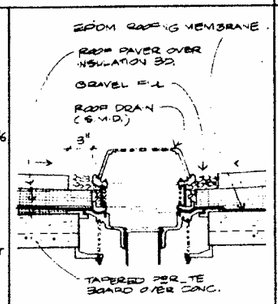
38 BASE FLASHING DETAIL @ BAY WINDOW



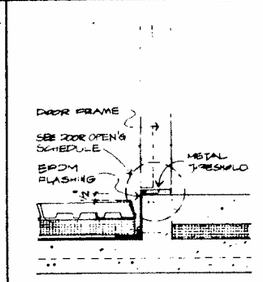
28 PARAPET COPING
SECTION



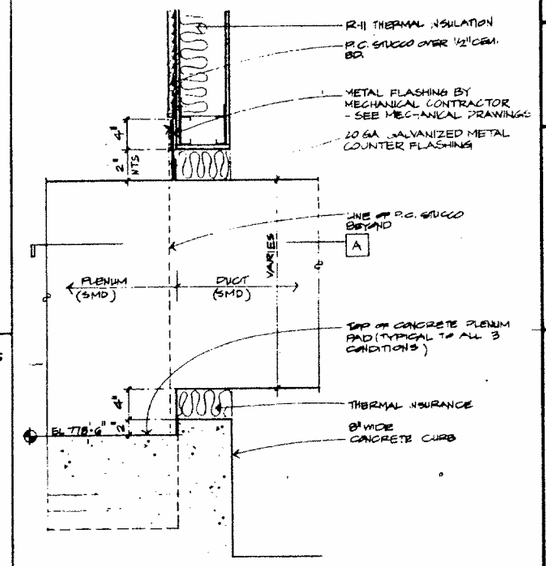
23 MECH. EQUIPMENT BASE ISOLATION DET.



18 ROOF DRAIN DETAIL
SECTION

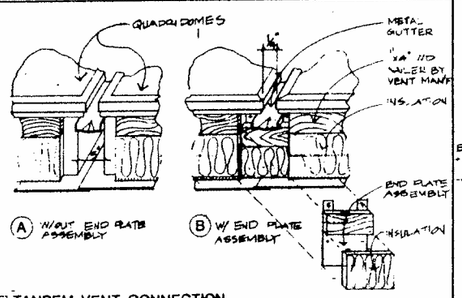


13 DOORWAY CONDITION DET.

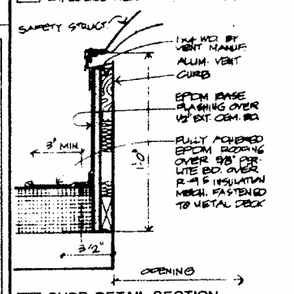


B SECTION

9 DUCT PENETRATION DETAILS @ ROOF WALLS

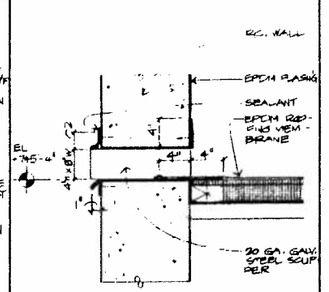


A TANDEM VENT CONNECTION
EXPLODED VIEW NTS

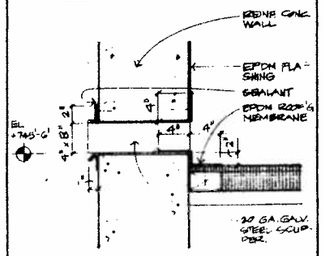


B CURB DETAIL SECTION
SCALE: 3"=1'-0"

40 SHED ROOF EXPLOSION RELIEF VENTS

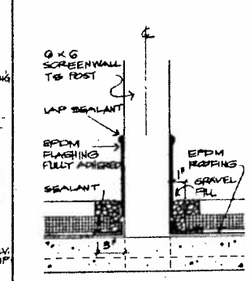


A SCUPPER DETAIL

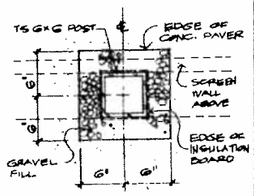


B OVERFLOW SCUPPER

30 SHED ROOF SCUPPERS

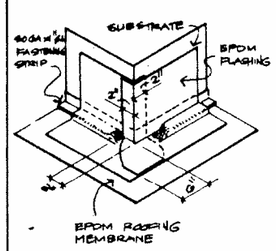


A SECTION

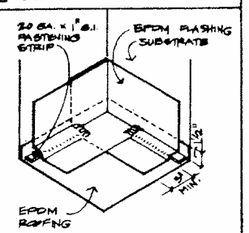


B PLAN SECTION

25 SCREEN WALL POST BASE DET.



A OUTSIDE CORNER
NTS



B INSIDE CORNER
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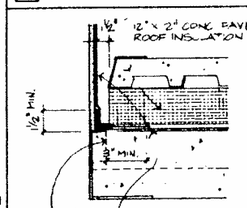
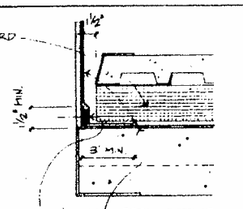
19 TYPICAL BASE FLASHING DETAILS

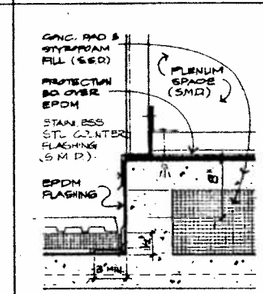


A TYPE A

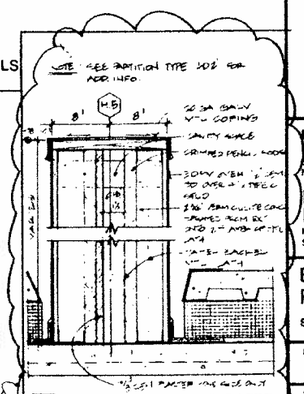


B TYPE B

20 BASE FLASHING DETAILS



10 PLENUM PAD DETAIL



5 AREA SEPARATION PARAPET

SMP

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Marraccini
Patterson

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5348 Carroll Canyon Road
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Laboratory Architect

Laboratory Mechanical Engineer

Laboratory Electrical Engineer

Revisions

No.		Date
1	ADDENDUM NO. 2	06.10.91

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

EXTERIOR DETAILS
ROOF

SCALE: 1 1/2"=1'-0", U.O.N.

Project No. 19210.01

Date 01 APRIL 1991

A2 ADDENDUM

Drawing No. A6.34

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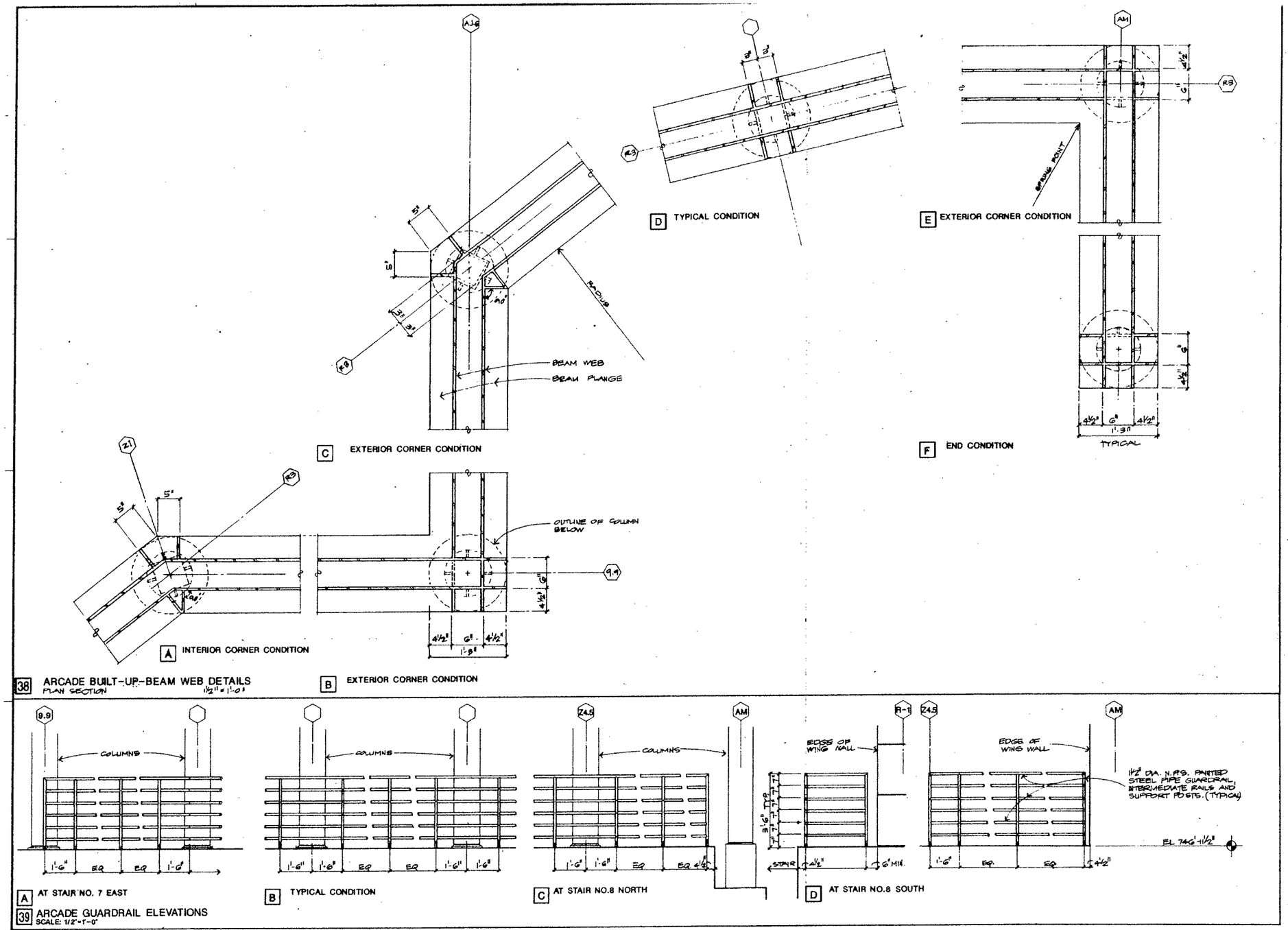

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North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

EXTERIOR DETAILS
ARCADE

SCALE: 3"=1'-0", U.O.N.

Project No.		Drawing No.
19210.01	B	A6.35
Date 01 APR. 1991	BIDDING	

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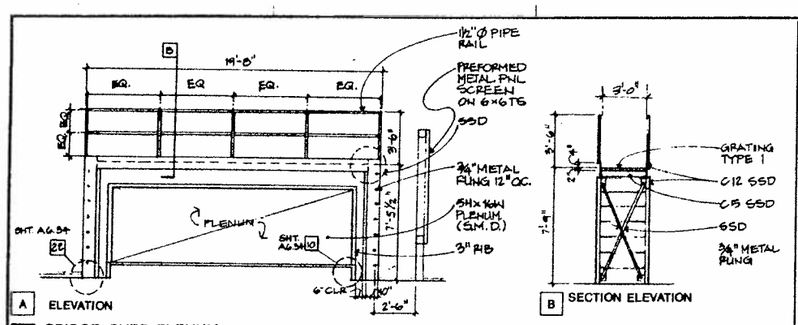

36 BRIDGE OVER PLENUM
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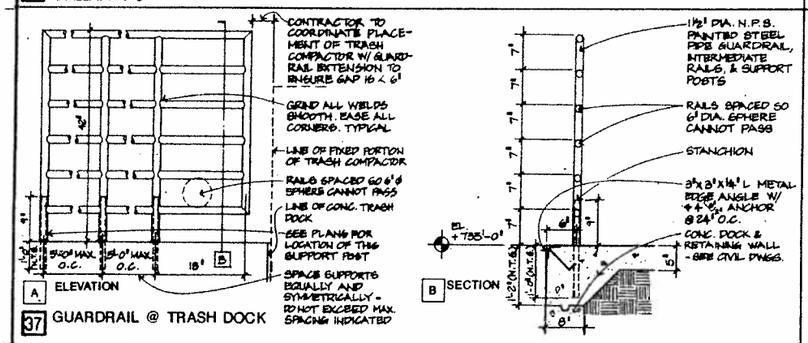
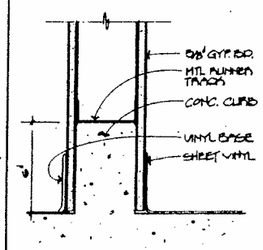


37 GUARDRAIL @ TRASH DOCK



22 SPILL CURB
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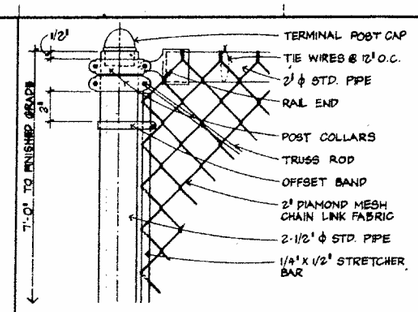
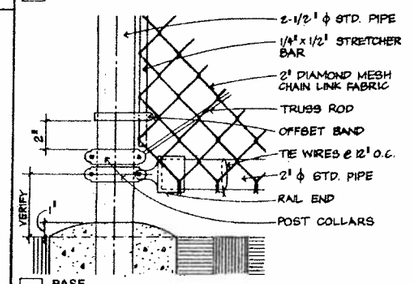
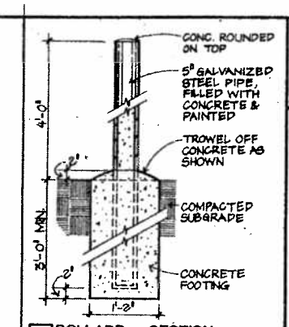
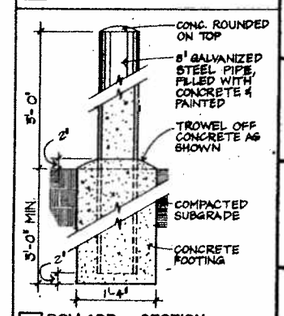




17 CHAIN LINK FENCE DETAILS
SCALE: 3"=1'-0"



1 BOLLARD - SECTION



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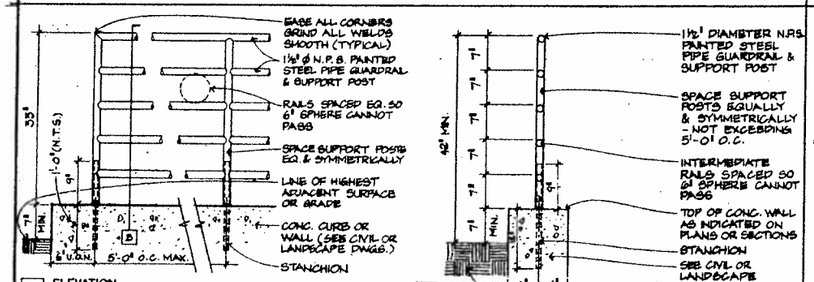
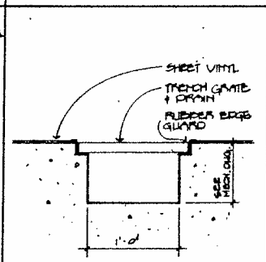
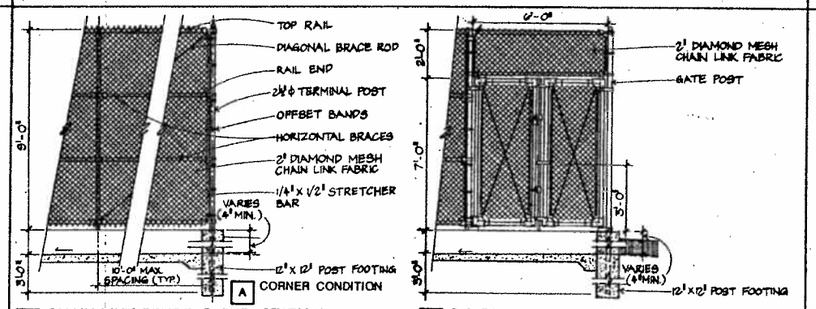


38 TYPICAL EXTERIOR GUARDRAIL & CURB



23 BIG TRENCH AT SOLUTIONS
SCALE: 1 1/2"=1'-0"



18 CHAIN LINK FENCE @ SUB-STATION
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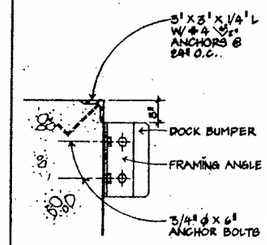

3 DOCK BUMPER
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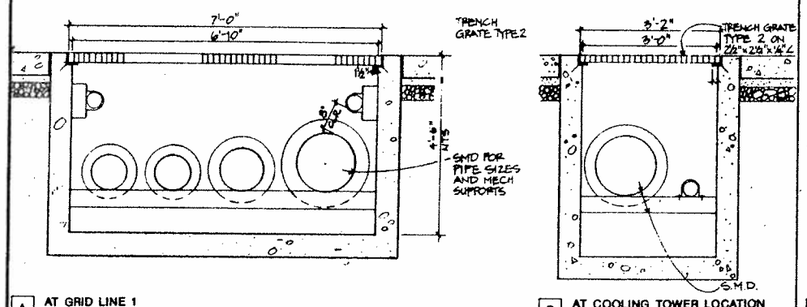
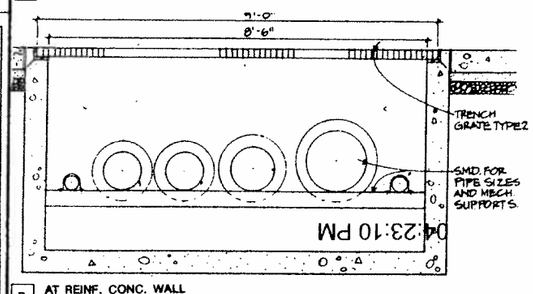
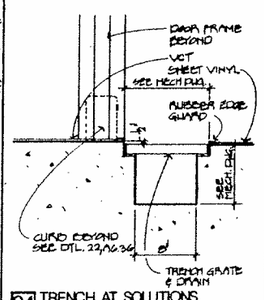
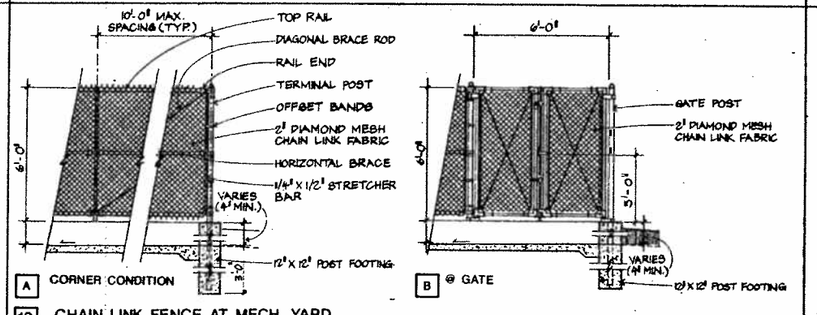




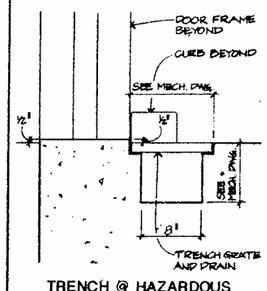
40 TRENCH AT MECHANICAL YARD
SECTION
SCALE: 3/4"=1'-0"



24 TRENCH AT SOLUTIONS
SCALE: 3"=1'-0"



19 CHAIN LINK FENCE AT MECH. YARD
SCALE: 3/8"=1'-0"



25 TRENCH @ HAZARDOUS WASTE STORAGE
SECTION
SCALE: 1 1/2"=1'-0"

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Revisions

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EXTERIOR DETAILS

SCALE: 1"=1'-0", U.O.N.

Project No.		Drawing No.
19210.01	B	A6.36
Date 01 APR. 1991	BIDDING	

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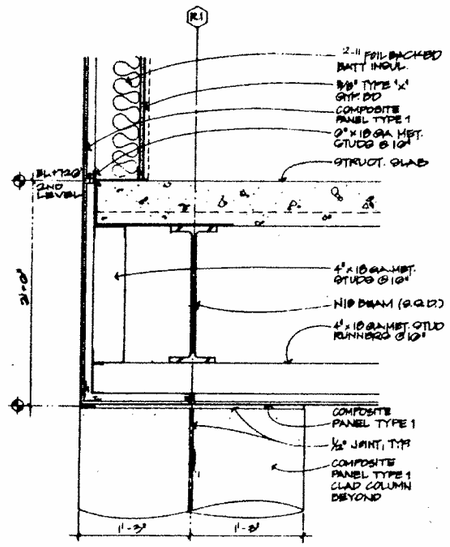
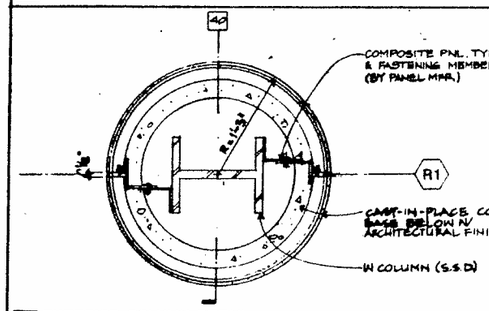
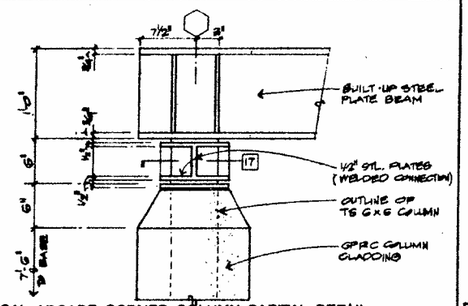


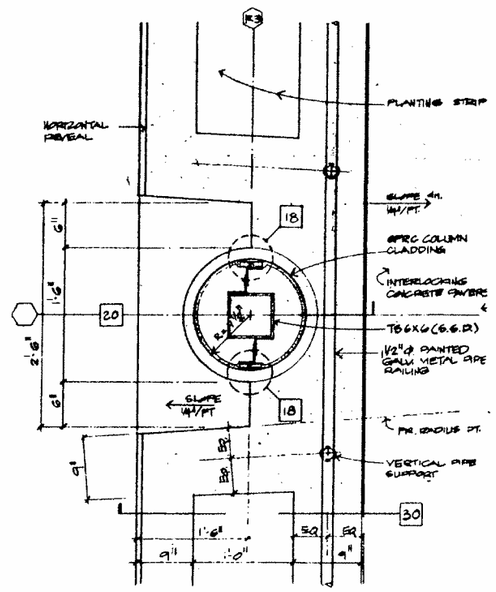
37 SECTION AT SOFFIT



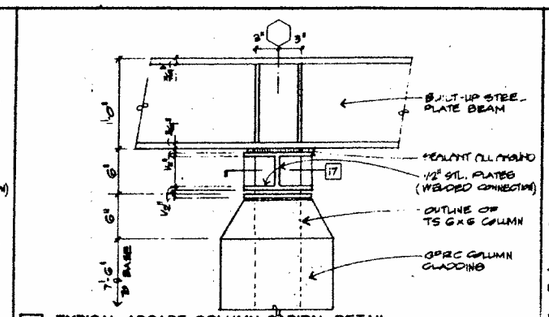
38 EXTERIOR COLUMN DETAIL
PLAN SECTION



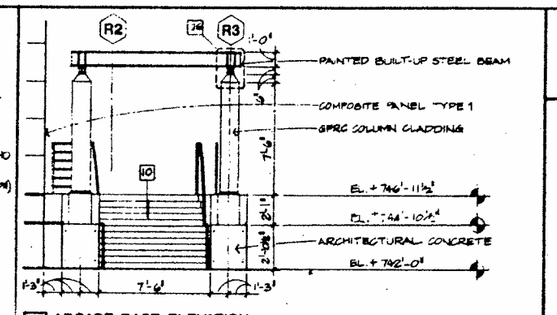
26 TYPICAL ARCADE CORNER COLUMN CAPITAL DETAIL
ELEVATION



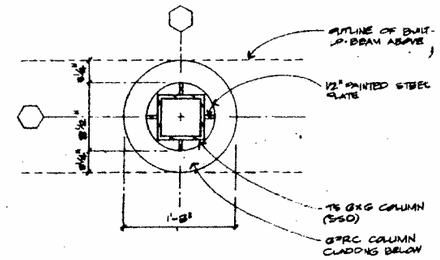
28 ARCADE COLUMN DETAIL
PLAN



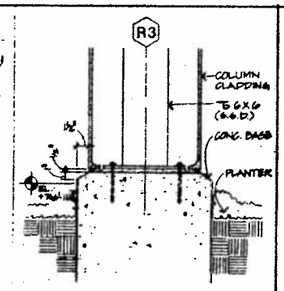
16 TYPICAL ARCADE COLUMN CAPITAL DETAIL
ELEVATION



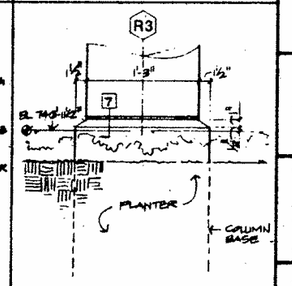
6 ARCADE EAST ELEVATION
SCALE: 1/4"=1'-0"



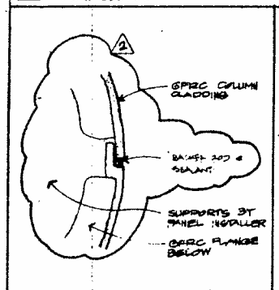
17 TYPICAL ARCADE COLUMN CAPITAL DETAIL
PLAN SECTION



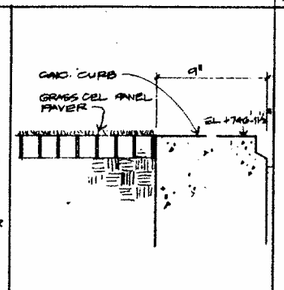
7 ARCADE COLUMN BASE DET. @ PLANTER AREA
SECTION



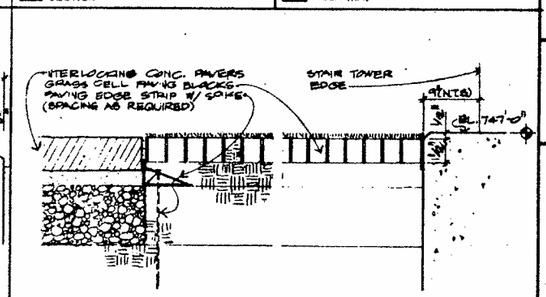
2 COLUMN BASE DETAIL
SECTION



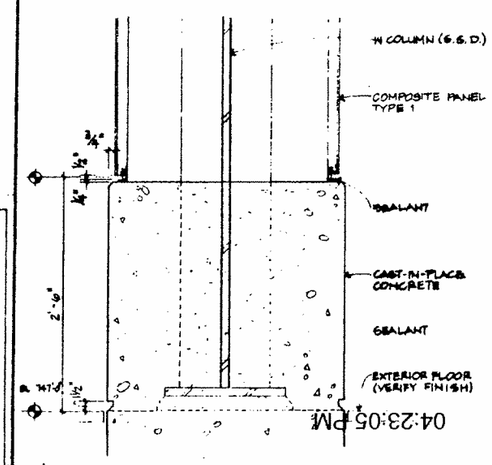
18 COL. CLADDING JOINT DETAIL
PLAN SECTION 6"=1'-0"



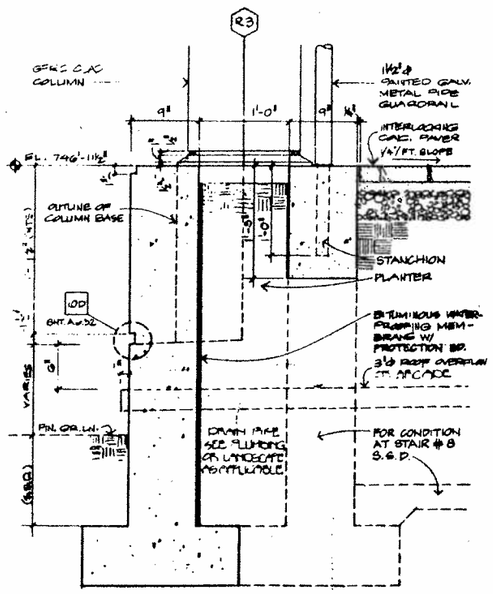
13 GRASS PAVER EDGE DETAIL
SECTION 3"=1'-0"



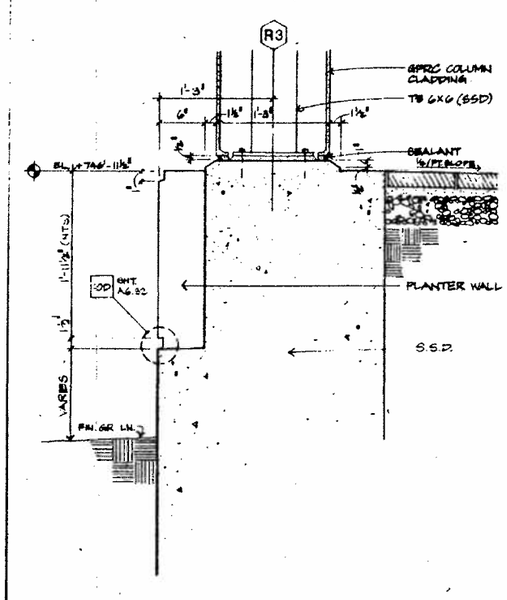
8 GRASS PAVING DETAIL
SECTION 3"=1'-0"



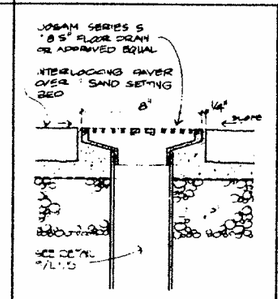
40 COLUMN BASE DETAIL
SECTION



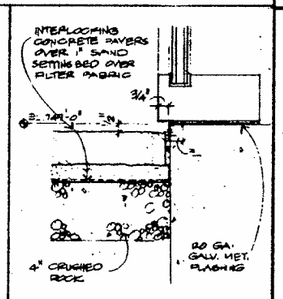
30 PLANTER DETAIL
SECTION



20 ARCADE COLUMN BASE SECTION



9 FLOOR DRAIN DETAIL
3"=1'-0"



4 PAVER EDGE DETAIL
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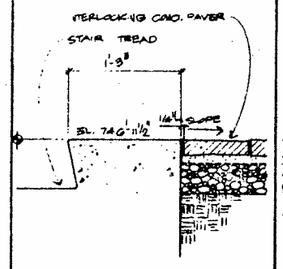
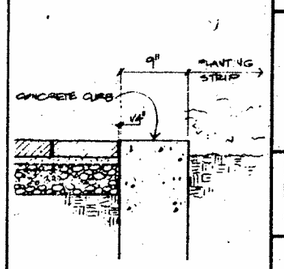


10 STAIR EDGE DETAIL
SECTION



5 PLANTER EDGE DETAIL
SECTION

SMP

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Laboratory Electrical Engineer

Revisions

No.		Date
1	ADDENDUM NO. 1	05.15.91
2	ADDENDUM NO. 2	06.10.91

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood, Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

EXTERIOR DETAILS
MAIN ENTRY & ARCADE

SCALE: 1 1/2"=1'-0", U.O.N.

Project No. 13240-01

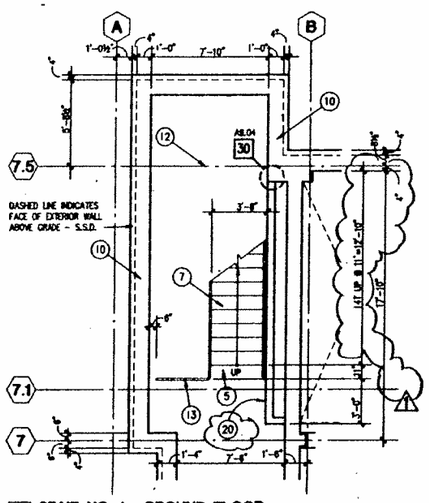
Date 01 APRIL 1991

A2 ADDENDUM

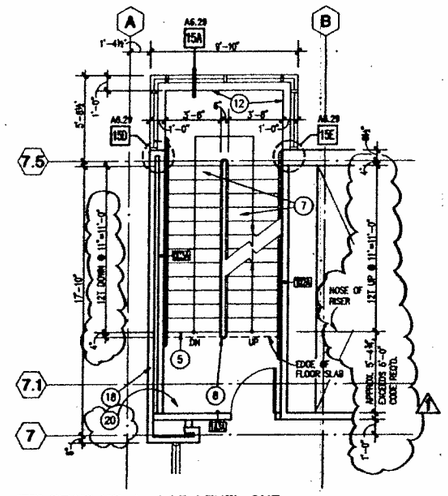
A6.37

04:23:05 PM

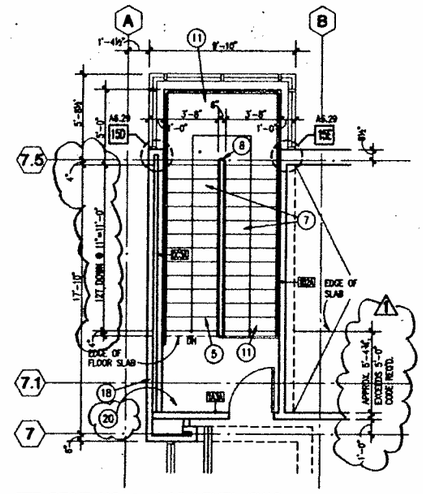
000652



31 STAIR NO. 1 - GROUND FLOOR
SCALE: 1/4" = 1' - 0"



21 STAIR NO. 1 - LAB LEVEL ONE
SCALE: 1/4" = 1' - 0"



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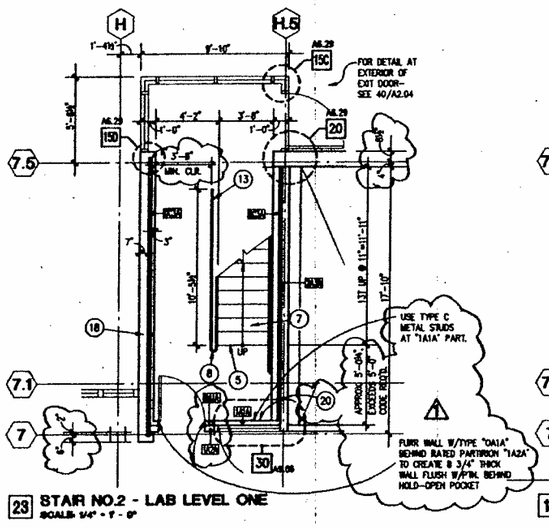
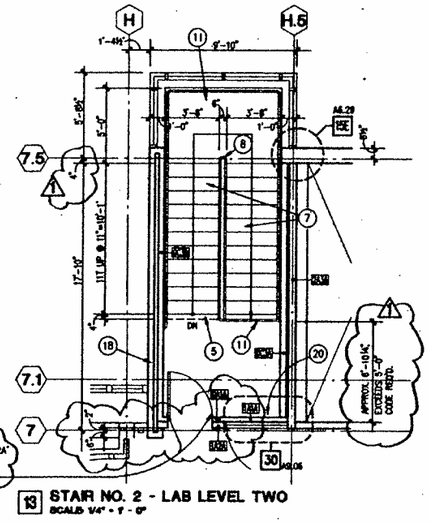


23 STAIR NO.2 - LAB LEVEL ONE
SCALE: 1/4" = 1' - 0"



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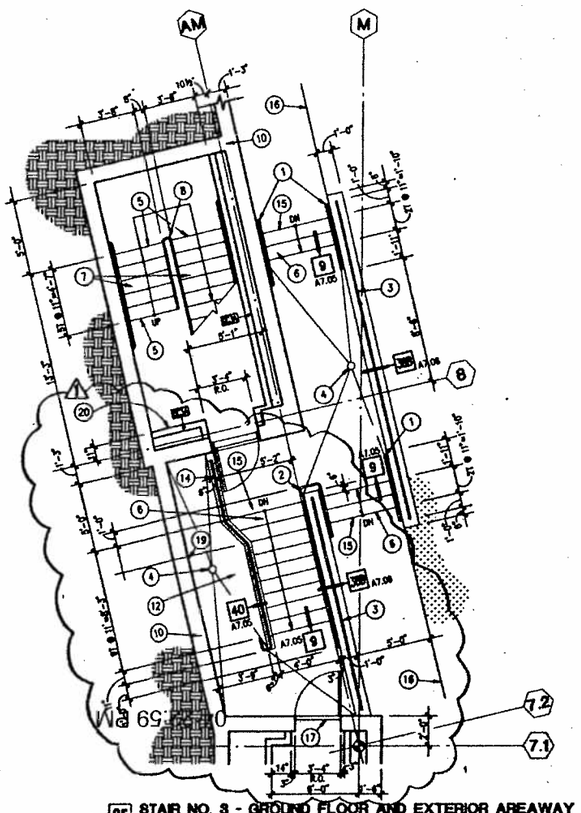
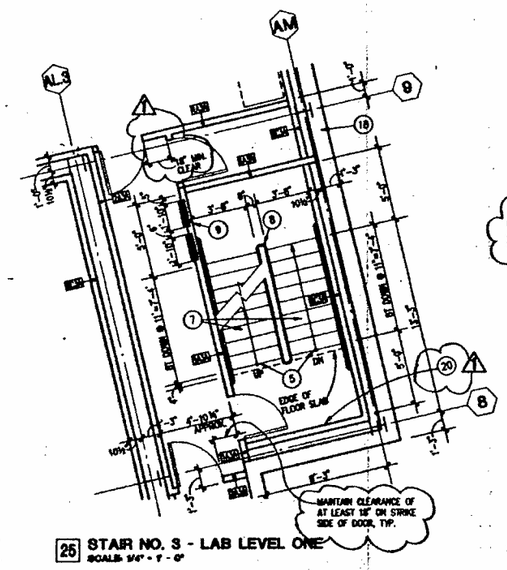
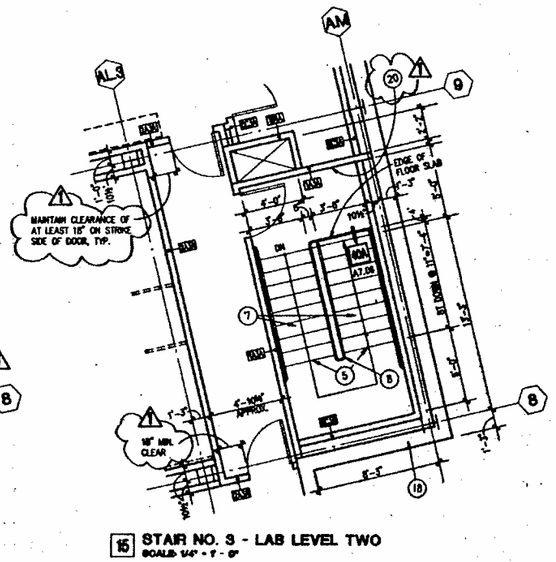
SCALE: 1/4" = 1' - 0"



35 STAIR NO. 3 - GROUND FLOOR AND EXTERIOR AREAWAY
SCALE: 1/4" = 1' - 0"



25 STAIR NO. 3 - LAB LEVEL ONE
SCALE: 1/4" = 1' - 0"



15 STAIR NO. 3 - LAB LEVEL TWO
SCALE: 1/4" = 1' - 0"

SHEET NOTES

1. THE PURPOSE OF THIS SHEET IS TO ILLUSTRATE THE OVERALL CONFIGURATION OF THE INDICATED STAIRS, HANDRAILS, AND GUARDRAILS. WHERE DUPLICATED ELSEWHERE, OTHER FEATURES, SUCH AS PARTITION TYPES, EXTERIOR CONSTRUCTION, OR MISCELLANEOUS DETAILS, ARE SHOWN FOR REFERENCE ONLY.
2. FOR ADDITIONAL TYPICAL INFORMATION REGARDING THE CONSTRUCTION AND CONFIGURATION OF THE STAIRS, SEE THE APPLICABLE STAIR SECTIONS ON SHEETS A7.03 AND A7.04 AS WELL AS THE TYPICAL DETAILS ON SHEETS A7.05 AND A7.06.
3. PAINT: ALL EXPOSED SURFACES OF METAL STAIRS, HANDRAILS, AND GUARDRAILS SHOWN ON THIS SHEET ARE TO RECEIVE PAINTED FINISH. SEE FINISH AND COLOR SCHEDULES FOR ADDITIONAL INFORMATION.
4. HANDRAILS: THE TOP OF ALL HANDRAILS SHALL BE 34 INCHES ABOVE THE NOSING OF THE TREADS, UNLESS OTHERWISE NOTED. 34 INCHES CONFORMS WITH THE MOST RESTRICTIVE ASPECTS OF BOTH THE 1988 LABC [SECTION 3306(J) REQUIRES 34 TO 38 INCHES] AND TITLE 24, CCR [SECTION 2306(J) REQUIRES 30 TO 34 INCHES].
5. MINIMUM REQUIRED VERTICAL CLEARANCE AT ALL POINTS TO ALL ITEMS WITHIN STAIR ENCLOSURE IS 7'-6". MAINTAIN MINIMUM OR GREATER CLEARANCE TO ALL ELEMENTS INCLUDING STAIR AND STRUCTURAL FRAMING, SPRINKLER PIPING AND HEADS, LIGHT FIXTURES, AND EXIT SIGNS. ABOVE THE STAIR TREADS. CLEARANCE SHALL BE MEASURED VERTICALLY FROM A LINE CONNECTING THE LEADING EDGES OF EACH STAIR TREAD. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL ELEMENTS TO ENSURE ADEQUATE CLEARANCES FOR THE STAIR CONFIGURATION AS SHOWN.
6. FOR ADDITIONAL TYPICAL NOTES WHICH ARE APPLICABLE TO THIS SHEET, REFER TO "GENERAL NOTES" ON SHEET A0.01.
7. PROVIDE FLOOR AND STAIR IDENTIFICATION SIGNAGE APPROVED BY THE LOS ANGELES FIRE DEPARTMENT AND CONFORMING WITH LOS ANGELES FIRE DEPARTMENT AND MUNICIPAL CODE REGULATIONS AT EACH FLOOR LEVEL WITHIN EACH STAIR (INTERIOR SIGNAGE ALLOWANCE).

KEY NOTES

1. FREE-STANDING, 1-1/2" DIA. N.P.S. PAINTED STEEL PIPE HANDRAIL. FOR ADDITIONAL INFORMATION REGARDING HANDRAIL CONFIGURATION, SEE TYPICAL DETAILS ON SHEETS A7.05 AND A7.06.
2. WALL-MOUNTED, PAINTED STEEL PIPE HANDRAIL TRANSITIONS TO FREE-STANDING HANDRAIL AS HANDRAIL EXTENDS ABOVE TOP OF ADJACENT CONCRETE RETAINING WALL. HANDRAIL IS CONTINUOUS AND WITHOUT GAPS.
3. FREE-STANDING, 1-1/2" DIA. N.P.S. PAINTED STEEL PIPE GUARDRAIL ATOP RAISED 12" WIDE CONCRETE CURB/RETAINING WALL. RAILS SPACED SO 8" DIA. SPHERE CANNOT PASS. CURB/RETAINING WALL FORMS PORTION OF GUARDRAIL ASSEMBLY. TOP OF CURB/RETAINING WALL AT ELEVATION 747'-0".
4. AREA DRAIN - SEE PLUMBING AND CIVIL ENGINEERING DRAWINGS, AS APPLICABLE.
5. INTERIOR STAIRS (TYPICAL): MARK UPPER APPROACH AND LOWER TREAD OF EACH STAIR RUN WITH 2 INCH STRIP OF CLEARLY CONTRASTING COLOR PLACED PARALLEL TO AND NOT MORE THAN 1 INCH FROM NOSE OF LANDING OR TREAD. FOR ADDITIONAL INFORMATION, SEE ARCHITECTURAL FINISH SCHEDULE AND TYPICAL STAIR CONFIGURATION DETAILS ON SHEETS A7.05 AND A7.06.
6. CAST-IN-PLACE CONCRETE STAIRS. FOR ADDITIONAL INFORMATION REGARDING STAIR CONSTRUCTION AND CONFIGURATION, SEE TYPICAL DETAILS ON SHEETS A7.05 AND A7.06.
7. CONCRETE-FILLED METAL PAN STAIRS (COVERED WITH PREFORMED RESILIENT TREADS, RISERS, AND LANDINGS). FOR ADDITIONAL INFORMATION REGARDING STAIR CONSTRUCTION AND CONFIGURATION, SEE TYPICAL DETAILS ON SHEETS A7.05 AND A7.06.
8. WHERE STAIRS ARE CONTINUOUS FROM LANDING TO LANDING, THE INNER HANDRAIL SHALL BE CONTINUOUS AND WITHOUT INTERRUPTION (TYPICAL). FOR ADDITIONAL ILLUSTRATION OF CONTINUOUS HANDRAIL, SEE TYPICAL STAIR AND HANDRAIL CONFIGURATION DETAILS ON SHEETS A7.05 AND A7.06.
9. RECESSED ELECTRICAL PANEL BOXES MOUNTED AT 6'-6" A.F.F. TO TOP OF EACH BOX. SEE SHEET A6.04 FOR FIRE-RATED RECESS DETAIL. FOR ADDITIONAL INFORMATION, SEE ELECTRICAL DRAWINGS AND SIMILAR INTERIOR ELEVATIONS.
10. CAST-IN-PLACE CONCRETE WALL WITH ARCHITECTURAL CONCRETE FINISH. FOR ADDITIONAL INFORMATION, SEE EXTERIOR ELEVATIONS AND STRUCTURAL DRAWINGS.
11. 1-1/2" N.P.S. PAINTED STEEL PIPE GUARDRAIL MOUNTED TO EDGE OF CONCRETE FLOOR SLAB. STAIR HANDRAIL TRANSITIONS TO BECOME INTEGRAL WITH GUARDRAIL. FOR ILLUSTRATION, SEE TYPICAL STAIR AND HANDRAIL CONFIGURATION DETAILS ON SHEETS A7.05 AND A7.06.
12. FREE-STANDING, 1-1/2" DIA. N.P.S. PAINTED STEEL PIPE GUARDRAIL ATOP RAISED 8" WIDE CONCRETE CURB AT EDGE OF STAIR TREADS. RAILS SPACED SO 8" DIA. SPHERE CANNOT PASS. TOP OF CURB/RETAINING WALL AT ELEVATION 741'-0".
13. 1-1/2" DIA. N.P.S. PAINTED STEEL PIPE HANDRAIL EXTENSION.
14. COMBINATION GUARDRAIL AND HANDRAIL TRANSITIONS TO TYPICAL GUARDRAIL ATOP CONCRETE CURB AT UPPER LANDING OF EXTERIOR STAIR. SEE TYPICAL DETAILS ON SHEETS A7.05 AND A7.06.
15. EXTERIOR STAIRS (TYPICAL): MARK EACH TREAD OF EACH STAIR RUN WITH 2 INCH STRIP OF CLEARLY CONTRASTING COLOR PLACED PARALLEL TO AND NOT MORE THAN 1 INCH FROM NOSE OF LANDING OR TREAD. FOR ADDITIONAL INFORMATION, SEE ARCHITECTURAL FINISH SCHEDULE AND TYPICAL STAIR CONFIGURATION DETAILS ON SHEETS A7.05 AND A7.06.
16. EDGE OF MEDIUM BROOM FINISH CONCRETE SIDEWALK - SEE LANDSCAPE, ARCHITECTURE AND CIVIL ENGINEERING DRAWINGS, AS APPLICABLE.
17. 1/2 INCH RAISED THRESHOLD AT EXTERIOR DOOR. FOR ADDITIONAL INFORMATION, SEE DOOR OPENING SCHEDULE.
18. COMPOSITE METAL PANEL (TYPE 1) EXTERIOR WALL ASSEMBLY.
19. PERIMETER OF AREAWAY AT ELEVATION 737'-11 1/2". SLOPE MEDIUM BROOM FINISH CONCRETE BOTTOM OF AREAWAY TO DRAIN WITH SLOPE OF 1/4 INCH PER 12 INCHES MINIMUM.
20. PROVIDE STAIRWAY IDENTIFICATION SIGNAGE CONFORMING WITH SECTION 3306(G) OF THE 1988 LABC AND DETAIL 4/5 ON SHEET A0.05. SIGNAGE TO BE MOUNTED WITH THE BOTTOM OF SIGN AT 60 INCHES ABOVE THE FLOOR AND IN A LOCATION WHICH IS READILY VISIBLE WHEN THE DOOR IS IN THE OPEN OR CLOSED POSITION. SIGNAGE SHALL BE READILY VISIBLE TO A PERSON ASCENDING THE STAIRWAY.

SMP

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Laboratory Mechanical Engineer

Laboratory Electrical Engineer

Revisions

No.	Date
1	PRELIMINARY

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

STAIR PLANS

Project No. 19210.01

Date 01 APR 91

B1 BULLETIN

Drawing No. A7.01

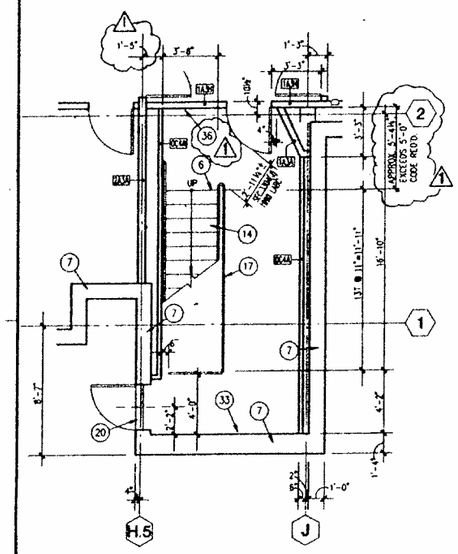
PROJECT NO. 19210.01

NO	DATE	TITLE	NOTES

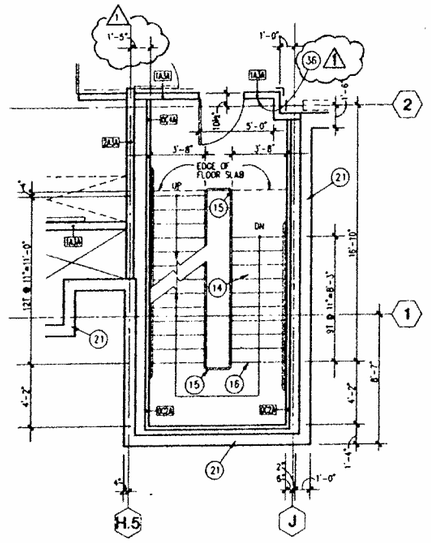
DWG. FILE : 000055X1 / A7.01 / 3 NOV 91

000653

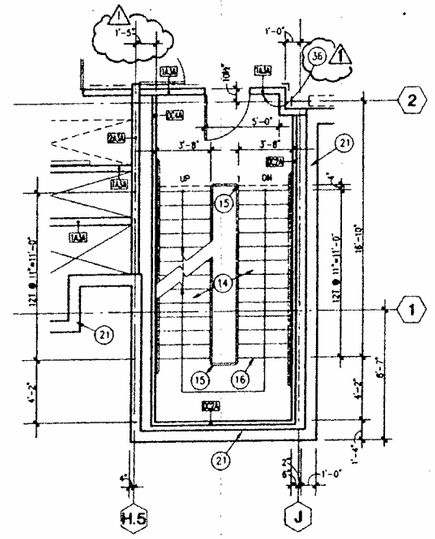
SEE DETAIL WALL SECTION ON SHEET A6.26 FOR INFORMATION REGARDING EXTERIOR WALLS.



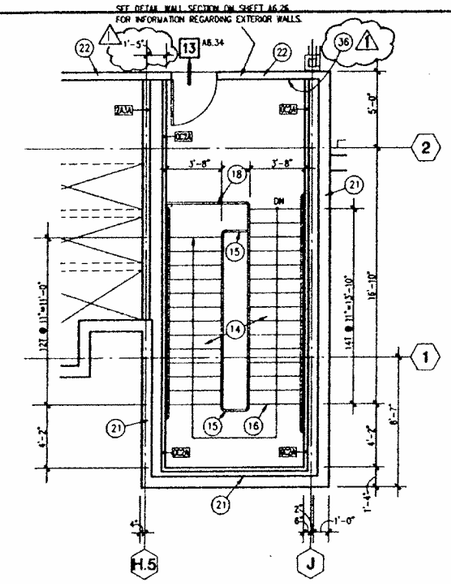
36 STAIR NO. 4 - GROUND FLOOR
SCALE: 1/4" = 1' - 0"



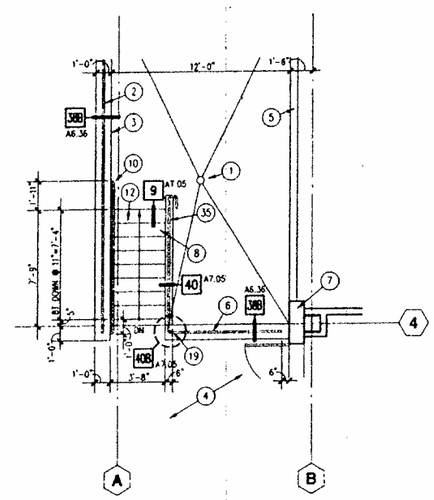
31 STAIR NO. 4 - LAB LEVEL ONE
SCALE: 1/4" = 1' - 0"



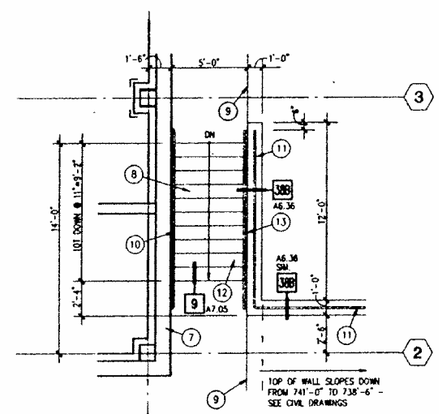
21 STAIR NO. 4 - LAB LEVEL TWO
SCALE: 1/4" = 1' - 0"



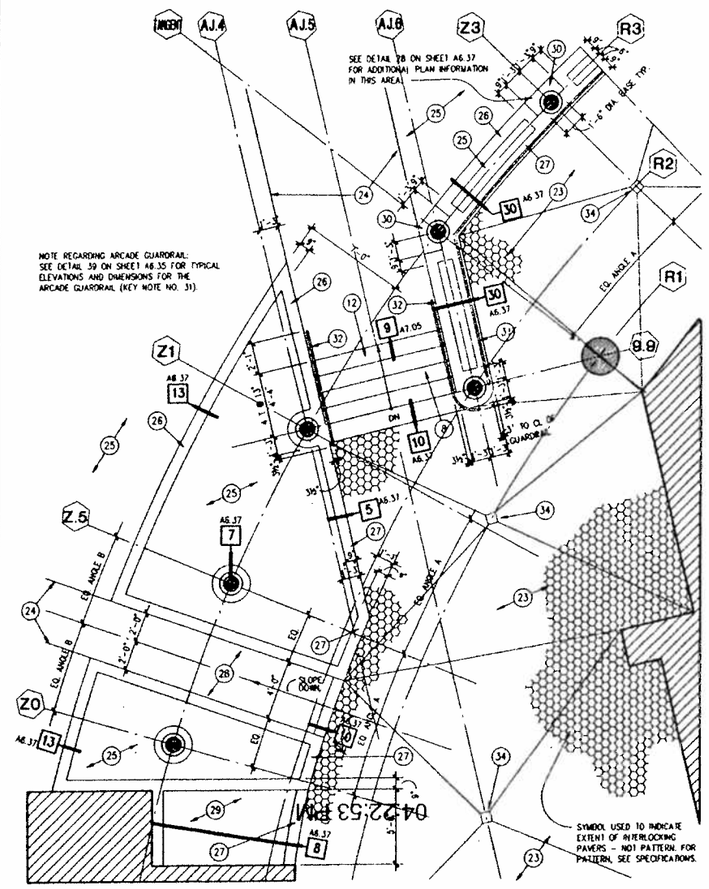
11 STAIR NO. 4 - ROOF FLOOR
SCALE: 1/4" = 1' - 0"



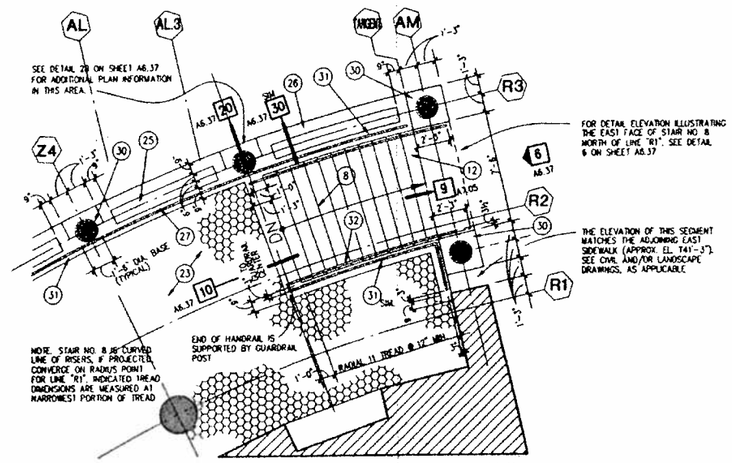
23 STAIR NO. 5
SCALE: 1/4" = 1' - 0"



13 STAIR NO. 6
SCALE: 1/4" = 1' - 0"



40 STAIR NO. 7 AND MAIN ENTRY PLAZA
SCALE: 1/4" = 1' - 0"



25 STAIR NO. 8 AT CAFETERIA ARCADE
SCALE: 1/4" = 1' - 0"

SHEET NOTES

1. THE PURPOSE OF THIS SHEET IS TO ILLUSTRATE THE OVERALL CONFIGURATION OF THE INDICATED STAIRS, HANDRAILS, AND GUARDRAILS. WHERE DUPLICATED ELSEWHERE, OTHER FEATURES (SUCH AS PARTITION TYPES, EXTERIOR CONSTRUCTION, OR MISCELLANEOUS DETAILS, ARE SHOWN FOR REFERENCE ONLY.
2. FOR ADDITIONAL TYPICAL INFORMATION REGARDING THE CONSTRUCTION AND CONFIGURATION OF THE STAIRS, SEE THE APPLICABLE STAIR SECTIONS ON SHEETS A7.05 AND A7.04 AS WELL AS THE TYPICAL DETAILS ON SHEETS A7.05 AND A7.06.
3. PAINT: ALL EXPOSED SURFACES OF METAL STAIRS, HANDRAILS, AND GUARDRAILS SHOWN ON THIS SHEET ARE TO RECEIVE PAINTED FINISH. SEE FINISH AND COLOR SCHEDULES FOR ADDITIONAL INFORMATION.
4. HANDRAILS: THE TOP OF ALL HANDRAILS SHALL BE 34 INCHES ABOVE THE NOSING OF THE TREADS, UNLESS OTHERWISE NOTED. 34 INCHES CONFORMS WITH THE MOST RESTRICTIVE ASPECTS OF BOTH THE 1990 LABC [SECTION 3306(J) REQUIRES 34 TO 38 INCHES] AND TITLE 24, CCR [SECTION 3306(J) REQUIRES 30 TO 34 INCHES].
5. MINIMUM REQUIRED VERTICAL CLEARANCE AT ALL POINTS TO ALL ITEMS WITHIN STAIR ENCLOSURE IS 7'-6". MAINTAIN MINIMUM OR GREATER CLEARANCE TO ALL ELEMENTS INCLUDING STAIR AND STRUCTURAL FRAMING, SPRINKLER PIPING AND HEADS, LIGHT FIXTURES, AND EXIT SIGNS. ABOVE THE STAIR TREADS, CLEARANCE SHALL BE MEASURED VERTICALLY FROM A LINE CONNECTING THE LEADING EDGES OF EACH STAIR TREAD. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL ELEMENTS TO ENSURE ADEQUATE CLEARANCES FOR THE STAIR CONFIGURATION AS SHOWN.
6. FOR ADDITIONAL TYPICAL NOTES WHICH ARE APPLICABLE TO THIS SHEET, REFER TO "GENERAL NOTES" ON SHEET A0.01
7. PROVIDE FLOOR AND STAIR IDENTIFICATION SIGNAGE APPROVED BY THE LOS ANGELES FIRE DEPARTMENT AND CONFORMING WITH LOS ANGELES FIRE DEPARTMENT AND MUNICIPAL CODE REGULATIONS AT EACH FLOOR LEVEL WITHIN EACH STAIR (INTERIOR SIGNAGE ALLOWANCE).

KEY NOTES

1. AREA DRAIN - SEE PLUMBING AND CIVIL ENGINEERING DRAWINGS, AS APPLICABLE.
2. FREE-STANDING, 1-1/2" DIA. N.P.S. PAINTED STEEL PIPE GUARDRAIL ATOP RAISED 12" WIDE CONCRETE CURB/RETAINING WALL. CURB/RETAINING WALL FORMS PORTION OF GUARDRAIL ASSEMBLY. TOP OF CURB/RETAINING WALL AT ELEVATION 740'-0".
3. PERIMETER OF AREAWAY AT EL. 730'-11 1/2". SLOPE MEDIUM BROOM FINISH CONC. BOTTOM OF AREAWAY TO DRAIN WITH SLOPE OF 1/4 INCH PER 12 INCHES MINIMUM.
4. CONC. LANDING/SIDEWALK WITH MEDIUM BROOM FINISH. SLOPE TO DRAIN AWAY FROM BUILDING. NOMINAL ELEVATION OF LANDING IS EL. 738'-0" WHERE LANDING MEETS STAIR AND DOOR.
5. ALUMINUM OUTSIDE AIR INTAKE LOUVER - SEE EXTERIOR ELEVATIONS AND MECHANICAL DRAWINGS.
6. FREE-STANDING, 1-1/2" DIA. N.P.S. PAINTED STEEL PIPE GUARDRAIL ATOP RAISED 12" WIDE CONC. CURB OR RETAINING WALL. RAISED CURB FORMS PORTION OF GUARDRAIL ASSEMBLY. TOP OF WALL AT EL. 736'-7".
7. CAST-IN-PLACE CONCRETE WALL WITH ARCHITECTURAL CONCRETE FINISH. FOR ADDITIONAL INFORMATION, SEE EXTERIOR ELEVATIONS AND STRUCTURAL DRAWINGS.
8. CAST-IN-PLACE CONCRETE STAIRS. FOR ADDITIONAL INFORMATION REGARDING STAIR CONFIGURATION, SEE TYPICAL DETAILS ON SHEETS A7.05 AND A7.06.
9. EDGE OF MEDIUM BROOM FINISH CONCRETE SIDEWALK - SEE LANDSCAPE ARCHITECTURE OR CIVIL ENGINEERING DRAWINGS, AS APPLICABLE.
10. WALL-MOUNTED, 1-1/2" DIA. N.P.S. PAINTED STEEL PIPE HANDRAIL.
11. FREE-STANDING, 1-1/2" DIA. N.P.S. PAINTED STEEL PIPE GUARDRAIL ATOP RAISED 12" WIDE CONC. CURB OR RETAINING WALL. RAISED CURB FORMS PORTION OF GUARDRAIL ASSEMBLY. TOP OF WALL SLOPES FROM EL. 741'-0" TO EL. 738'-6".
12. EXTERIOR STAIRS (TYPICAL): MARK EACH TREAD OF EACH STAIR RUN WITH 2 INCH STRIP OF CLEARLY CONTRASTING COLOR PLACED PARALLEL TO AND NOT MORE THAN 1 INCH FROM NOSE OF LANDING OR TREAD. FOR ADDITIONAL INFORMATION, SEE ARCHITECTURAL FINISH SCHEDULE AND TYPICAL STAIR CONFIGURATION DETAILS ON SHEETS A7.05 AND A7.06.
13. FREE-STANDING, 1-1/2" DIA. N.P.S. PAINTED STEEL PIPE HANDRAIL. FOR ADDITIONAL INFORMATION REGARDING HANDRAIL CONFIGURATION, SEE TYPICAL DETAILS ON SHEETS A7.05 AND A7.06.
14. CONCRETE-FILLED METAL PAN STAIRS COVERED WITH PREFORMED RESILIENT TREADS, RISERS, AND LANDINGS. FOR ADDITIONAL INFORMATION REGARDING STAIR CONSTRUCTION AND CONFIGURATION, SEE TYPICAL DETAILS ON SHEETS A7.05 AND A7.06.
15. WHERE STAIRS ARE CONTINUOUS FROM LANDING TO LANDING, THE INNER HANDRAIL SHALL BE CONTINUOUS AND WITHOUT INTERRUPTION (TYPICAL). FOR ADDITIONAL ILLUSTRATION OF CONTINUOUS HANDRAIL, SEE TYPICAL STAIR AND HANDRAIL CONFIGURATION DETAILS ON SHEETS A7.05 AND A7.06.
16. INTERIOR STAIRS (TYPICAL): MARK UPPER APPROACH AND LOWER TREAD OF EACH STAIR RUN WITH 2 INCH STRIP OF CLEARLY CONTRASTING COLOR PLACED PARALLEL TO AND NOT MORE THAN 1 INCH FROM NOSE OF LANDING OR TREAD. FOR ADDITIONAL INFORMATION, SEE ARCHITECTURAL FINISH SCHEDULE AND TYPICAL STAIR CONFIGURATION DETAILS ON SHEETS A7.05 AND A7.06.
17. FREE-STANDING, 1-1/2" DIA. N.P.S. PAINTED STEEL PIPE HANDRAIL EXTENSION.
18. 1-1/2" N.P.S. PAINTED STEEL PIPE GUARDRAIL MOUNTED TO EDGE OF CONCRETE FLOOR SLAB. STAIR HANDRAIL TRANSITIONS TO BECOME INTEGRAL WITH GUARDRAIL. FOR ILLUSTRATION, SEE TYPICAL STAIR AND HANDRAIL CONFIGURATION DETAILS ON SHEETS A7.05 AND A7.06.
19. COMBINATION GUARDRAIL AND HANDRAIL TRANSITIONS TO TYPICAL GUARDRAIL ATOP CONCRETE CURB AT UPPER LANDING OF EXTERIOR STAIR. SEE TYPICAL DETAILS ON SHEETS A7.05 AND A7.06.
20. 1/2 INCH RAISED THRESHOLD AT EXTERIOR DOOR - SEE DOOR OPENING SCHEDULE.
21. COMPOSITE METAL PANEL (TYPE 1) EXTERIOR WALL ASSEMBLY.
22. PAINTED PORTLAND CEMENT PLASTER EXTERIOR WALL ASSEMBLY.
23. INTERLOCKING CONCRETE PAVERS OVER 1 INCH SAND BETTING BED OVER FILTER FABRIC. SLOPE PAVERS TO DRAIN WITH SLOPE OF 1/4 INCH PER 12 INCHES MINIMUM. SEE DETAILS ON EXTERIOR ARCADE DETAILS SHEET.
24. CONCRETE SIDEWALK. SEE LANDSCAPE ARCHITECTURE DRAWINGS FOR ADDITIONAL INFORMATION.
25. LANDSCAPE PLANTING AREA - SEE LANDSCAPE ARCHITECTURE DRAWINGS.
26. CAST-IN-PLACE CONCRETE RETAINING WALL WITH ARCHITECTURAL CONCRETE FINISH. TOP OF WALL AT EL. 746'-11 1/2". SEE EXTERIOR ARCADE DETAILS SHEET FOR ADDITIONAL INFORMATION.
27. 8 INCH WIDE CONCRETE EDGE BAND BETWEEN INTERLOCKING CONCRETE PAVERS AND LANDSCAPE PLANTING AREAS. TOP OF BAND AT EL. 746'-11 1/2".
28. SLOPED CONC. SIDEWALK USED AS HANDICAPPED ACCESS. MAXIMUM SLOPE TO BE NO GREATER THAN 12 INCHES PER 20'-6" (A 86% SLOPE). SEE LANDSCAPE DRAWINGS FOR ADDITIONAL INFORMATION.
29. GRASS CELL PAVING BLOCKS AT EXIT FROM STAIR NO. 2. SEE LANDSCAPE ARCHITECTURE DRAWINGS FOR ADDITIONAL INFORMATION.
30. RECESSED AND DEPRESSED PORTION OF RETAINING WALL. TOP OF RECESS AT EL. 746'-0" (APPROX).
31. ARCADE GUARDRAIL.
32. FREE-STANDING, 1-1/2" DIA. N.P.S. PAINTED STEEL PIPE HANDRAIL.
33. SEAL AND PAINT EXPOSED CONCRETE WALL.
34. AREA DRAIN - SEE EXTERIOR ARCADE DETAILS SHEET.
35. 1-1/2" DIA. N.P.S. PAINTED STEEL PIPE COMBINATION GUARDRAIL AND HANDRAIL ATOP 6" WIDE RAISED CONCRETE CURB AT EDGE OF STAIR. FOR ADDITIONAL INFORMATION REGARDING CONFIGURATION, SEE TYPICAL DETAILS ON SHEETS A7.05 AND A7.06.

ADDITIONAL KEY NOTES:

36. PROVIDE STAIRWAY IDENTIFICATION SIGNAGE CONFORMING WITH SECTION 3309(C) OF THE 1988 LABC AND DETAIL 4D ON SHEET A6.36. SIGNAGE TO BE MOUNTED WITH THE BOTTOM OF SIGN AT 69 INCHES ABOVE THE FLOOR AND IN A LOCATION WHICH IS READILY VISIBLE WHEN THE DOOR IS IN THE OPEN OR CLOSED POSITION. SIGNAGE SHALL BE READILY VISIBLE TO A PERSON ASCENDING THE STAIRWAY.

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Revisions

No.	Date
1 BULLETIN NO.1	

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood - Los Angeles, California

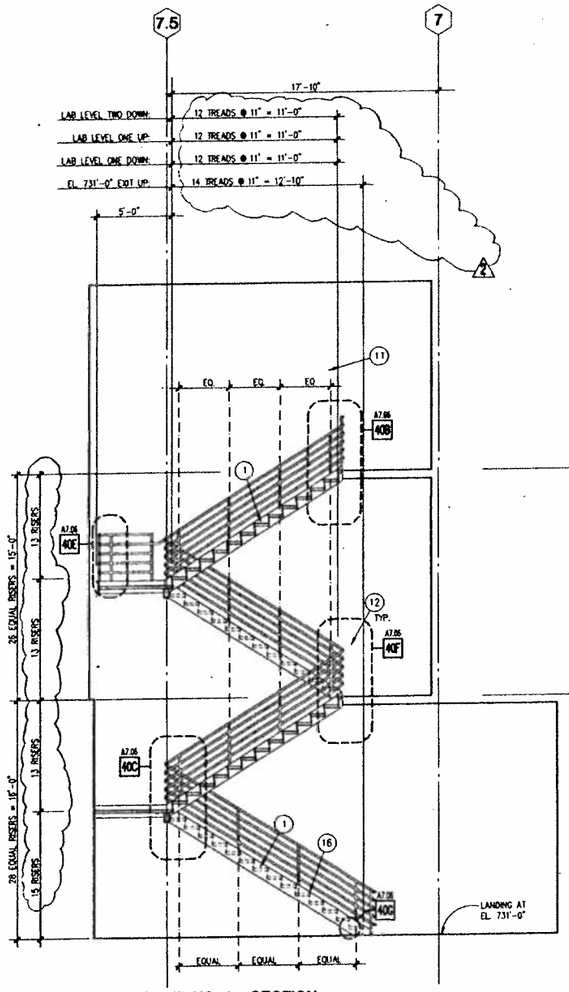
Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

STAIR PLANS

Project No.		Sheet No.
19210.01	B1 BULLETIN	A7.02
Date 01 APR 91		

DWG. FILE : 000055X2 / A7.02 / 18 SEP 91

000654



38 STAIR NO. 1 - SECTION
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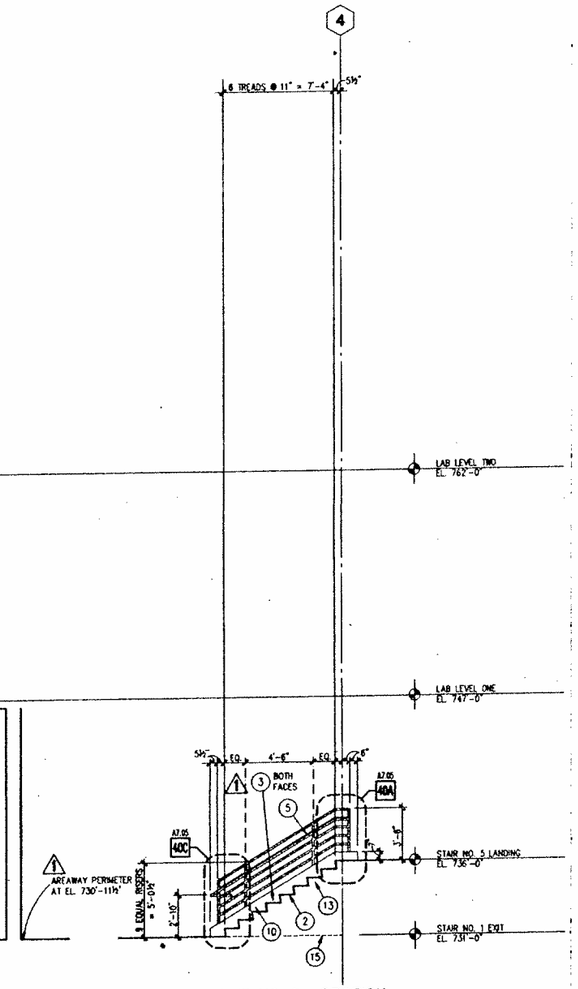

23 STAIR NO. 5 - SECTION
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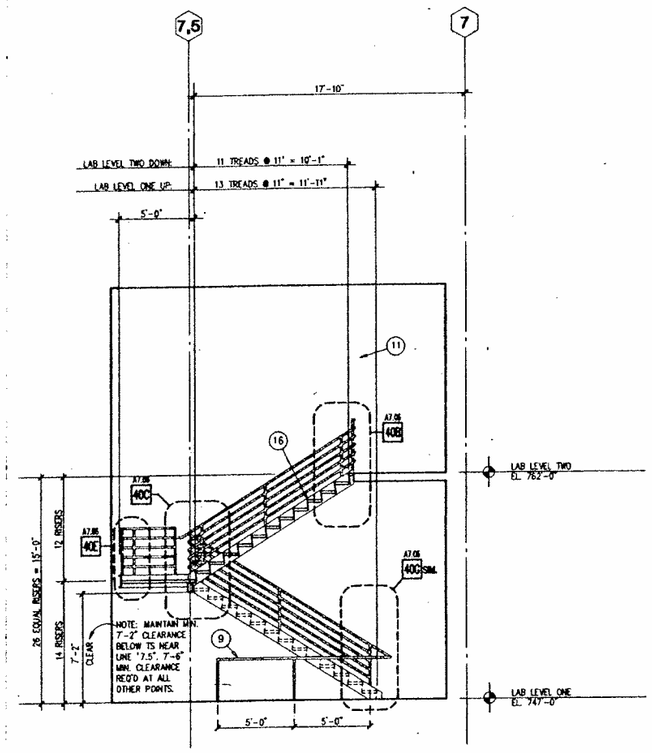

12 STAIR NO. 2 - SECTION
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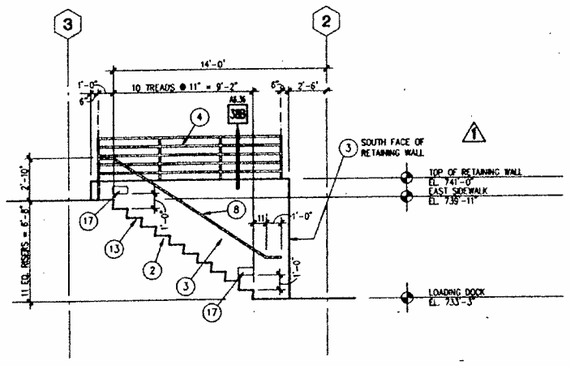
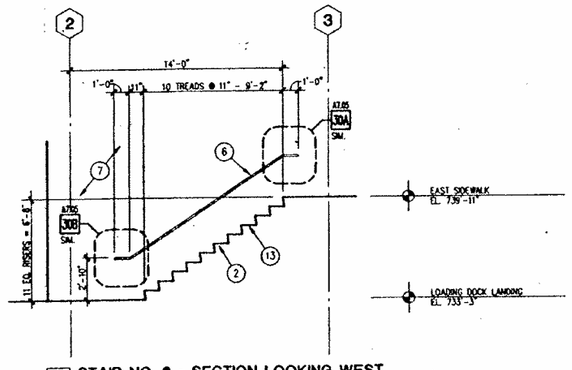


14 STAIR NO. 6 - SECTION LOOKING EAST
SCALE: 1/4" = 1' - 0"



15 STAIR NO. 6 - SECTION LOOKING WEST
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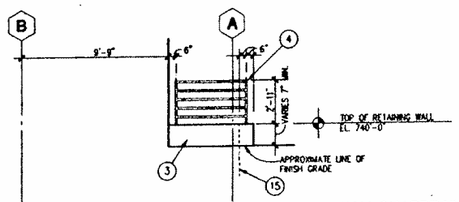
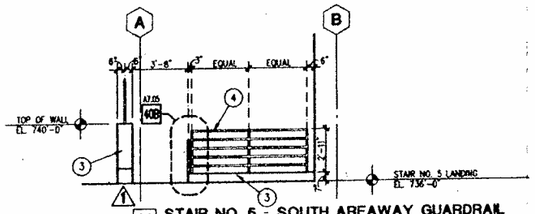
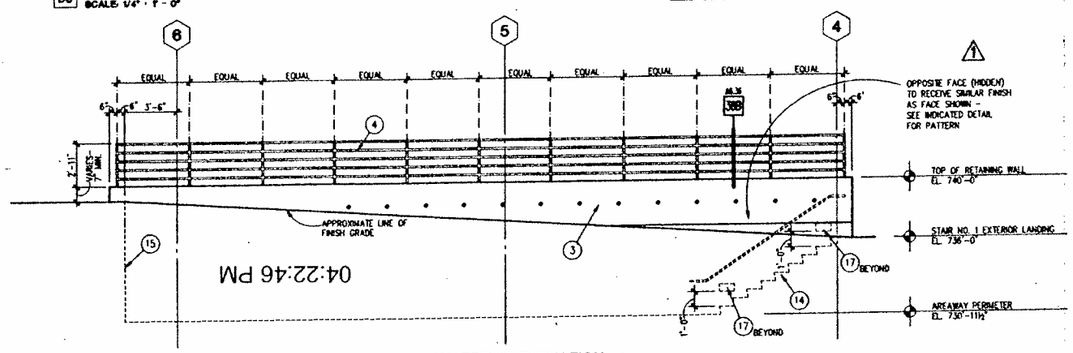


39 STAIR NO. 1 AND NO. 5 - NORTH AREAWAY GUARDRAIL
SCALE: 1/4" = 1' - 0"



24 STAIR NO. 5 - SOUTH AREAWAY GUARDRAIL
SCALE: 1/4" = 1' - 0"



40 STAIR NO.1 AND NO.5 - EXTERIOR AREAWAY GUARDRAIL ELEVATION
SCALE: 1/4" = 1' - 0"

SHEET NOTES

1. THE PURPOSE OF THIS SHEET IS TO ILLUSTRATE THE OVERALL CONFIGURATION OF THE INDICATED STAIRS, HANDRAILS, AND GUARDRAILS. FOR ADDITIONAL TYPICAL INFORMATION REGARDING THE CONSTRUCTION AND CONFIGURATION OF THE STAIRS, SEE THE TYPICAL DETAILS ON SHEETS A7.05 AND A7.06.
2. PAINT: ALL EXPOSED SURFACES OF METAL STAIRS, HANDRAILS, AND GUARDRAILS SHOWN ON THIS SHEET ARE TO RECEIVE PAINTED FINISH. SEE FINISH AND COLOR SCHEDULES FOR ADDITIONAL INFORMATION.
3. HANDRAILS: THE TOP OF ALL HANDRAILS SHALL BE 34 INCHES ABOVE THE NOSING OF THE TREADS, UNLESS OTHERWISE NOTED. 34 INCHES CONFORMS WITH THE MOST RESTRICTIVE ASPECTS OF BOTH THE 1990 LABC [SECTION 3306(J) REQUIRES 34 TO 38 INCHES] AND TITLE 24, CCR [SECTION 2306(J) REQUIRES 30 TO 34 INCHES].
4. MINIMUM REQUIRED VERTICAL CLEARANCE AT ALL POINTS TO ALL ITEMS WITHIN STAIR ENCLOSURE IS 7'-6". MAINTAIN MINIMUM OR GREATER CLEARANCE TO ALL ELEMENTS INCLUDING STAIR AND STRUCTURAL FRAMING, SPRINKLER PIPING AND HEADS, LIGHT FIXTURES, AND EXIT SIGNS. ABOVE THE STAIR TREADS, CLEARANCE SHALL BE MEASURED VERTICALLY FROM A LINE CONNECTING THE LEADING EDGES OF EACH STAIR TREAD. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL ELEMENTS TO ENSURE ADEQUATE CLEARANCES FOR THE STAIR CONFIGURATION AS SHOWN.
5. FOR ADDITIONAL TYPICAL NOTES WHICH ARE APPLICABLE TO THIS SHEET, REFER TO "GENERAL NOTES" ON SHEET A0.01.

KEY NOTES

1. CONCRETE-FILLED METAL PAN STAIRS COVERED WITH PREFORMED RESILIENT TREADS, RISERS, AND LANDINGS. FOR ADDITIONAL INFORMATION REGARDING STAIR CONSTRUCTION AND CONFIGURATION, SEE TYPICAL DETAILS ON SHEETS A7.05 AND A7.06.
2. CAST-IN-PLACE CONCRETE STAIRS. FOR ADDITIONAL INFORMATION REGARDING STAIR CONSTRUCTION AND CONFIGURATION, SEE TYPICAL DETAILS ON SHEETS A7.05 AND A7.06.
3. CAST-IN-PLACE CONCRETE WALL WITH ARCHITECTURAL CONCRETE FINISH. SEE DETAIL 20 ON SHEET A6.32 FOR TYPICAL PATTERN OF EXPRESSED REVEALS AND RECESSED TIE HOLE PLUGS - PATTERN IS NOT SHOWN HERE, BUT SHALL BE PROVIDED AS IF SHOWN. ALL CORNERS AND EDGES OF CONCRETE WALL TO BE STRAIGHT AND TRUE EXCEPT FOR INDICATED REVEALS AND RECESSED TIE-HOLE PLUGS. CONCRETE SURFACE TO BE FLAT AND SMOOTH. FORM WORK JOINTS ARE NOT TO BE VISIBLE ON FINISHED SURFACE.
4. 1-1/2" DIA. N.P.S. PAINTED STEEL PIPE GUARDRAIL ATOP CONCRETE RETAINING WALL. RAILS EQUALLY SPACED SO 6" DIA. SPHERE CANNOT PASS.
5. 1-1/2" DIA. N.P.S. PAINTED STEEL PIPE COMBINATION GUARDRAIL AND HANDRAIL ATOP RAISED CONCRETE CURB. RAILS SPACED EQUALLY SO 6" DIA. SPHERE CANNOT PASS. FOR ADDITIONAL INFORMATION REGARDING HANDRAIL CONSTRUCTION AND CONFIGURATION, SEE TYPICAL DETAILS ON SHEETS A7.05 AND A7.06.
6. 1-1/2" DIA. N.P.S. PAINTED STEEL PIPE HANDRAIL MOUNTED TO CAST-IN-PLACE CONCRETE RETAINING WALL.
7. ARCHITECTURAL FINISH CAST-IN-PLACE CONCRETE WALL BEYOND. FOR ADDITIONAL INFORMATION, SEE EXTERIOR ELEVATIONS.
8. FREE-STANDING, 1-1/2" DIA. N.P.S. PAINTED STEEL PIPE HANDRAIL. FOR ADDITIONAL INFORMATION REGARDING TYPICAL HANDRAIL CONFIGURATION, SEE TYPICAL DETAILS ON SHEETS A7.05 AND A7.06.
9. 1-1/2" DIA. N.P.S. PAINTED STEEL PIPE HANDRAIL EXTENSION.
10. 6 INCH WIDE RAISED CONCRETE CURB AT EDGE OF STAIR. CURB FORMS PORTIONS OF GUARDRAIL ASSEMBLY. SEE STAIR PLAN AND REFERENCED DETAILS FOR ADDITIONAL INFORMATION.
11. MINIMUM REQUIRED VERTICAL CLEARANCE AT ALL POINTS WITHIN STAIR ENCLOSURE IS 7'-6", UNLESS OTHERWISE SPECIFICALLY NOTED. MAINTAIN MINIMUM OR GREATER CLEARANCE TO ALL ELEMENTS INCLUDING STAIR OR STRUCTURAL FRAMING, SPRINKLER PIPING, LIGHT FIXTURES, AND EXIT SIGNS. ABOVE THE STAIR TREADS, CLEARANCE SHALL BE MEASURED VERTICALLY FROM A LINE CONNECTION THE LEADING EDGES OF EACH STAIR TREAD.
12. WHERE STAIRS ARE CONTINUOUS FROM LANDING TO LANDING, THE INNER HANDRAIL SHALL BE CONTINUOUS AND WITHOUT INTERRUPTION (TYPICAL). FOR ADDITIONAL ILLUSTRATION OF CONTINUOUS HANDRAIL, SEE TYPICAL STAIR AND HANDRAIL CONFIGURATION DETAILS ON SHEETS A7.05 AND A7.06.
13. EXTERIOR STAIRS (TYPICAL): MARK EACH TREAD OF EACH STAIR RUN WITH 2 INCH STRIP OF CLEARLY CONTRASTING COLOR PLACED PARALLEL TO AND NOT MORE THAN 1 INCH FROM NOSE OF LANDING OR TREAD. FOR ADDITIONAL INFORMATION, SEE ARCHITECTURAL FINISH SCHEDULE AND TYPICAL STAIR CONFIGURATION DETAILS ON SHEETS A7.05 AND A7.06.
14. STAIR NO. 5 SHOWN (DASHED) BEYOND RETAINING WALL. FOR SECTION, SEE DETAIL 23 ON THIS SHEET.
15. LINE OF AREAWAY BEYOND STAIR OR RETAINING WALL SHOWN DASHED.
16. INTERIOR STAIRS (TYPICAL): MARK UPPER APPROACH AND LOWER TREAD OF EACH STAIR RUN WITH 2 INCH STRIP OF CLEARLY CONTRASTING COLOR PLACED PARALLEL TO AND NOT MORE THAN 1 INCH FROM NOSE OF LANDING OR TREAD. FOR ADDITIONAL INFORMATION, SEE ARCHITECTURAL FINISH SCHEDULE AND TYPICAL STAIR CONFIGURATION DETAILS ON SHEETS A7.05 AND A7.06.
17. LIGHT FIXTURE RECESSED INTO CONCRETE WALL. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

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Revisions

No.		Date
1	ADDENDUM NO. 1	8-18-91
2	BULLETIN NO.1	

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Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

STAIR SECTIONS

Project No.		Drawing No.
19210.01	B 1 BULLETIN	A7.03
Date 15 MAY 91		

PROJECT NO. 19210.01

NO.	DWG. TITLE	NOTES

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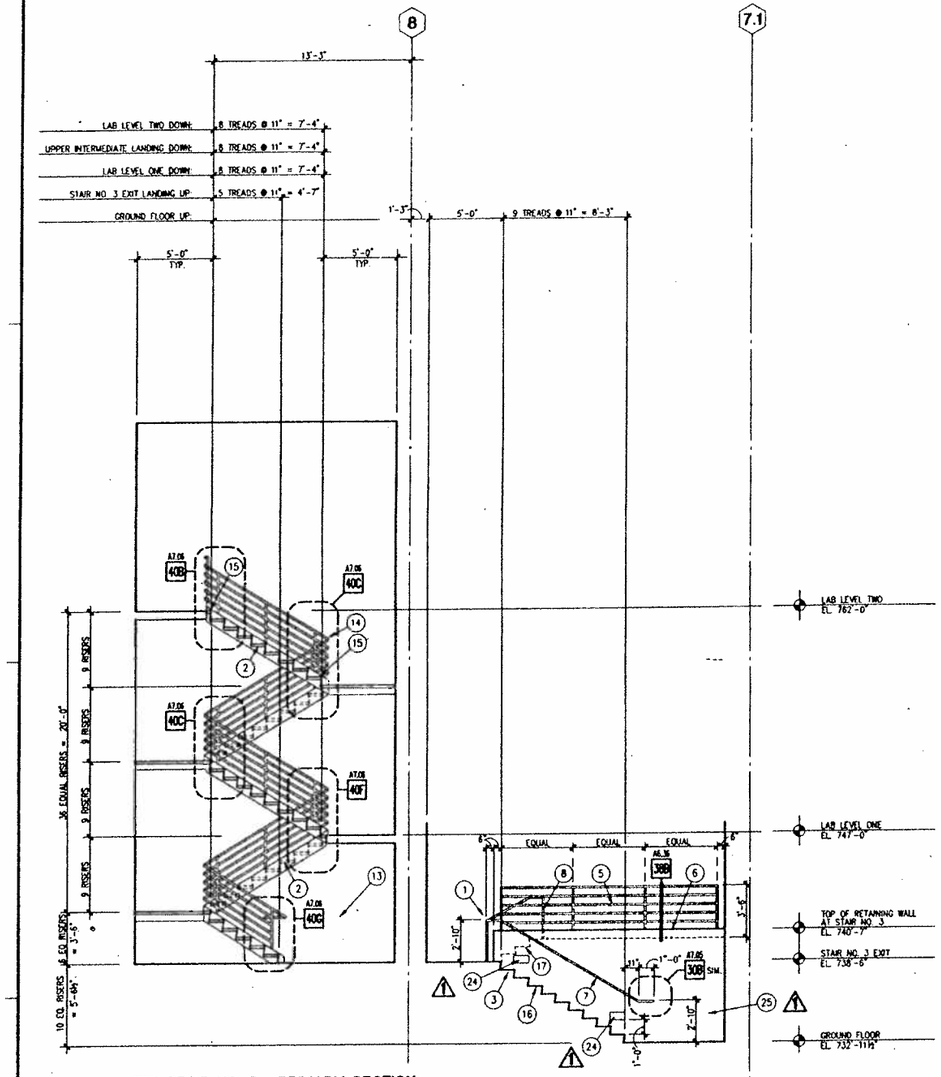

38 STAIR NO. 3 - PRIMARY SECTION
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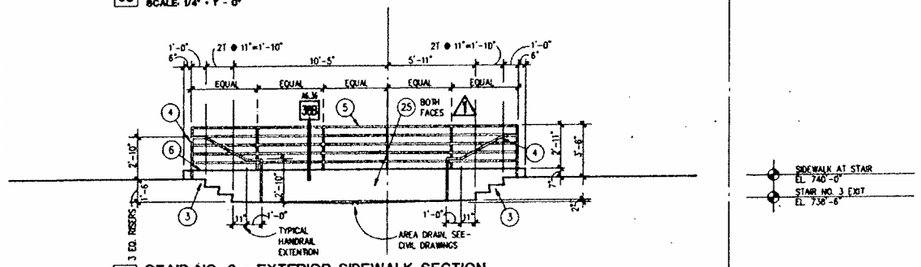

39 STAIR NO. 3 - EXTERIOR SIDEWALK SECTION
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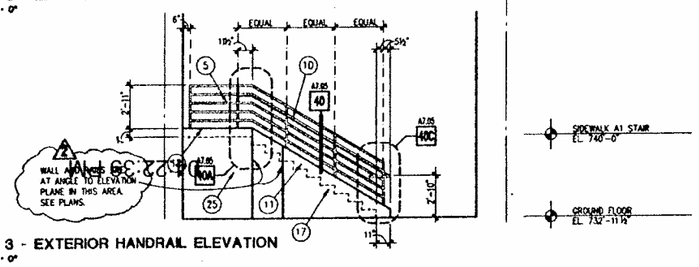
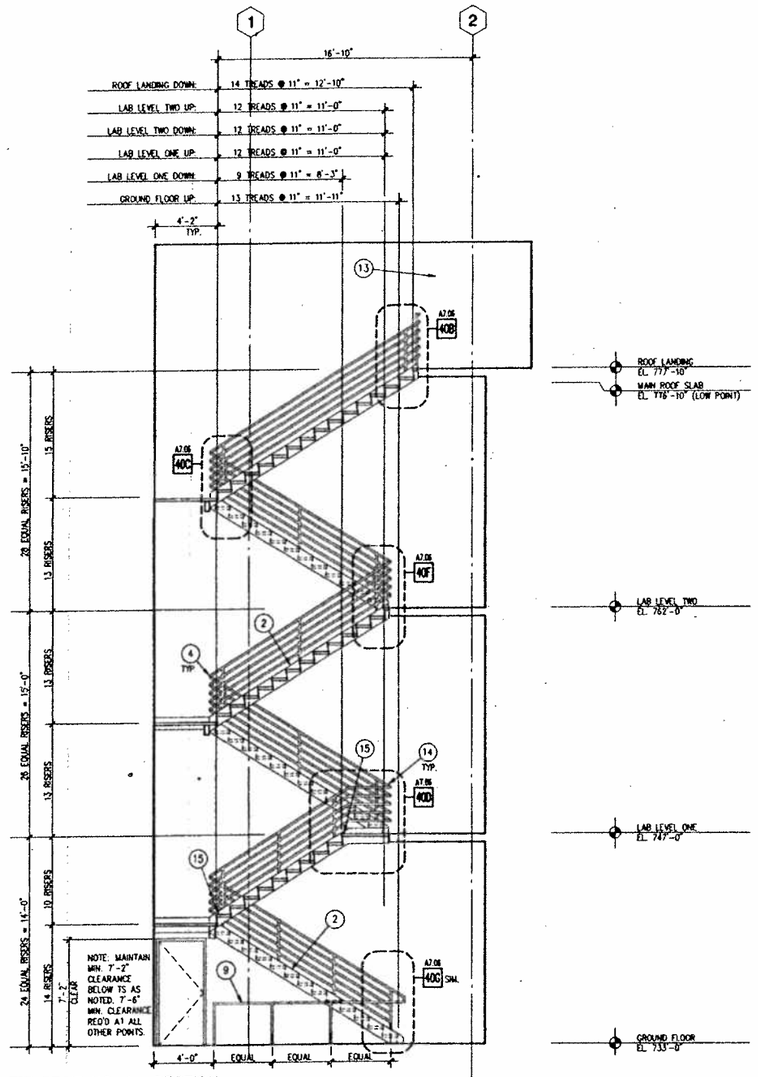


40 STAIR NO. 3 - EXTERIOR HANDRAIL ELEVATION
SCALE: 1/4" = 1' - 0"



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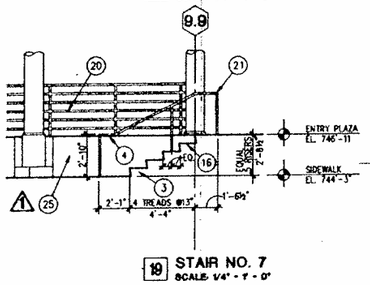

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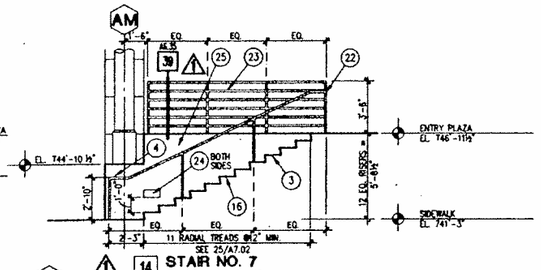

14 STAIR NO. 7
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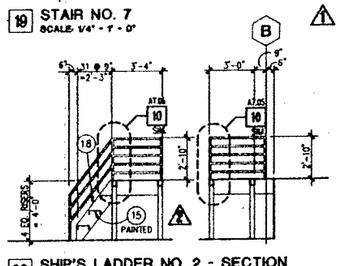

20 SHIP'S LADDER NO. 2 - SECTION
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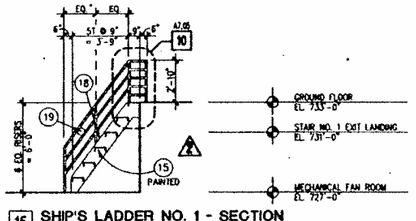

15 SHIP'S LADDER NO. 1 - SECTION
SCALE: 1/4" = 1' - 0"
(SHIP'S LADDER NO. 3 SIMILAR)

SHEET NOTES

1. THE PURPOSE OF THIS SHEET IS TO ILLUSTRATE THE OVERALL CONFIGURATION OF THE INDICATED STAIRS, HANDRAILS, AND GUARDRAILS. FOR ADDITIONAL TYPICAL INFORMATION REGARDING THE CONSTRUCTION AND CONFIGURATION OF THE STAIRS, SEE THE TYPICAL DETAILS ON SHEETS A7.05 AND A7.06.
2. PAINT: ALL EXPOSED SURFACES OF METAL STAIRS, HANDRAILS, AND GUARDRAILS SHOWN ON THIS SHEET ARE TO RECEIVE PAINTED FINISH. SEE FINISH AND COLOR SCHEDULES FOR ADDITIONAL INFORMATION.
3. HANDRAILS: THE TOP OF ALL HANDRAILS SHALL BE 34 INCHES ABOVE THE NOSING OF THE TREADS, UNLESS OTHERWISE NOTED. 34 INCHES CONFORMS WITH THE MOST RESTRICTIVE ASPECTS OF BOTH THE 1990 LABC (SECTION 3306(J) REQUIRES 34 TO 38 INCHES) AND TITLE 24 (SECTION 3306(J) REQUIRES 30 TO 34 INCHES).
4. MINIMUM REQUIRED VERTICAL CLEARANCE AT ALL POINTS TO ALL ITEMS WITHIN STAIR ENCLOSURE IS 7'-6". MAINTAIN MINIMUM OR GREATER CLEARANCE TO ALL ELEMENTS INCLUDING STAIR AND STRUCTURAL FRAMING, SPRINKLER PIPING AND HEADS, LIGHT FIXTURES, AND EXIT SIGNS. ABOVE THE STAIR TREADS, CLEARANCE SHALL BE MEASURED VERTICALLY FROM A LINE CONNECTING THE LEADING EDGES OF EACH STAIR TREAD. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING THE INSTALLATION OF ALL ELEMENTS TO ENSURE ADEQUATE CLEARANCES FOR THE STAIR CONFIGURATION AS SHOWN.
5. FOR ADDITIONAL TYPICAL NOTES WHICH ARE APPLICABLE TO THIS SHEET, REFER TO "GENERAL NOTES" ON SHEET A0.01.

KEY NOTES

1. WALL-MOUNTED, STEEL PIPE HANDRAIL TRANSITIONS TO FREE-STANDING HANDRAIL AS HANDRAIL EXTENDS ABOVE TOP OF ADJACENT CONCRETE RETAINING WALL. HANDRAIL IS CONTINUOUS AND WITHOUT GAPS.
2. CONCRETE-FILLED METAL PAN STAIRS COVERED WITH PREFORMED RESILIENT TREADS, RISERS, AND LANDINGS. FOR ADDITIONAL INFORMATION REGARDING STAIR CONSTRUCTION AND CONFIGURATION, SEE TYPICAL DETAILS ON SHEETS A7.05 AND A7.06.
3. CAST-IN-PLACE CONCRETE STAIRS. FOR ADDITIONAL INFORMATION REGARDING STAIR CONSTRUCTION AND CONFIGURATION, SEE TYPICAL DETAILS ON SHEETS A7.05 AND A7.06.
4. FREE-STANDING, 1-1/2" DIA. N.P.S. PAINTED STEEL PIPE HANDRAIL. FOR ADDITIONAL INFORMATION REGARDING TYPICAL HANDRAIL CONFIGURATION, SEE TYPICAL DETAILS ON SHEETS A7.05 AND A7.06.
5. 1-1/2" DIA. N.P.S. PAINTED STEEL PIPE GUARDRAIL ATOP CONCRETE RETAINING WALL. RAILS EQUALLY SPACED SO 6" DIA. SPHERE CANNOT PASS.
6. TOP OF RETAINING WALL RAISED 7 INCHES (MINIMUM) ABOVE HIGHEST ADJOINING SURFACE. RETAINING WALL FORMS BOTTOM PORTION OF GUARDRAIL. FOR ADDITIONAL INFORMATION, SEE INDICATED DETAIL.
7. 1-1/2" DIA. N.P.S. PAINTED STEEL PIPE HANDRAIL MOUNTED TO CAST-IN-PLACE CONCRETE RETAINING WALL.
8. FREE-STANDING PAINTED STEEL PIPE HANDRAIL SHOWN BEYOND GUARDRAIL. FOR ADDITIONAL INFORMATION, SEE PLANS.
9. 1-1/2" DIA. N.P.S. PAINTED STEEL PIPE HANDRAIL EXTENSION.
10. 1-1/2" DIA. N.P.S. PAINTED STEEL PIPE COMBINATION GUARDRAIL AND HANDRAIL ATOP RAISED CONCRETE CURB. RAILS SPACED EQUALLY SO 6" DIA. SPHERE CANNOT PASS. FOR ADDITIONAL INFORMATION REGARDING HANDRAIL CONSTRUCTION AND CONFIGURATION, SEE TYPICAL DETAILS ON SHEETS A7.05 AND A7.06.
11. 6 INCH WIDE RAISED CONCRETE CURB AT EDGE OF STAIR CURB FORMS PORTIONS OF GUARDRAIL ASSEMBLY. SEE STAIR PLAN AND REFERENCED DETAILS FOR ADDITIONAL INFORMATION.
12. 6 INCH WIDE RAISED CONCRETE CURB AT EDGE OF STAIR LANDING. CURB FORMS PORTION OF GUARDRAIL ASSEMBLY.
13. MINIMUM REQUIRED VERTICAL CLEARANCE AT ALL POINTS WITHIN STAIR ENCLOSURE IS 7'-6", UNLESS OTHERWISE SPECIFICALLY NOTED. MAINTAIN MINIMUM OR GREATER CLEARANCE TO ALL ELEMENTS INCLUDING STAIR OR STRUCTURAL FRAMING, SPRINKLER PIPING, LIGHT FIXTURES, AND EXIT SIGNS. ABOVE THE STAIR TREADS, CLEARANCE SHALL BE MEASURED VERTICALLY FROM A LINE CONNECTION THE LEADING EDGES OF EACH STAIR TREAD.
14. WHERE STAIRS ARE CONTINUOUS FROM LANDING TO LANDING, THE INNER HANDRAIL SHALL BE CONTINUOUS AND WITHOUT INTERRUPTION (TYPICAL). FOR ADDITIONAL ILLUSTRATION OF CONTINUOUS HANDRAIL, SEE TYPICAL STAIR AND HANDRAIL CONFIGURATION DETAILS ON SHEETS A7.05 AND A7.06.
15. INTERIOR STAIRS (TYPICAL): MARK UPPER APPROACH AND LOWER TREAD OF EACH STAIR RUN WITH 2 INCH STRIP OF CLEARLY CONTRASTING COLOR PLACED PARALLEL TO AND NOT MORE THAN 1 INCH FROM NOSE OF LANDING OR TREAD. FOR ADDITIONAL INFORMATION, SEE ARCHITECTURAL FINISH SCHEDULE AND TYPICAL STAIR CONFIGURATION DETAILS ON SHEETS A7.05 AND A7.06.
16. EXTERIOR STAIRS (TYPICAL): MARK EACH TREAD OF EACH STAIR RUN WITH 2 INCH STRIP OF CLEARLY CONTRASTING COLOR PLACED PARALLEL TO AND NOT MORE THAN 1 INCH FROM NOSE OF LANDING OR TREAD. FOR ADDITIONAL INFORMATION, SEE ARCHITECTURAL FINISH SCHEDULE AND TYPICAL STAIR CONFIGURATION DETAILS ON SHEETS A7.05 AND A7.06.
17. LINE OF STAIRS SHOWN (DASHED) BEYOND RETAINING WALL OR CONCRETE CURB.
18. CHECKERED METAL-PLATE SHIP'S LADDER. FOR ADDITIONAL INFORMATION, SEE TYPICAL DETAILS ON SHEETS A7.05 AND A7.06.
19. 1-1/2" DIA. N.P.S. PAINTED STEEL PIPE HANDRAILS FOR SHIP'S LADDER. SPACE RAILS EQUALLY SO THAT 6 INCH DIA. SPHERE CANNOT PASS. FOR ADDITIONAL INFORMATION, SEE TYPICAL DETAILS ON SHEETS A7.05 AND A7.06.
20. ARCADE GUARDRAIL SHOWN BEYOND STAIR. FOR ADDITIONAL INFORMATION, SEE DETAILS ON THE EXTERIOR ARCADE DETAILS SHEET.
21. END OF FREE-STANDING HANDRAIL IS CURVED IN PLAN. FOR ADDITIONAL INFORMATION, SEE PLAN ON SHEET A7.02.
22. END OF FREE-STANDING HANDRAIL RETURNS TO AND IS SUPPORTED BY GUARDRAIL POST.
23. 6 EQUALLY SPACED 1-1/2" DIA. N.P.S. PAINTED STEEL PIPES FORM ARCADE GUARDRAIL SHOWN BEYOND STAIR. FOR ADDITIONAL INFORMATION, SEE REFERENCED DETAILS.
24. LIGHT FIXTURE RECESSED INTO CONCRETE WALL. FOR ADDITIONAL INFORMATION, SEE ELECTRICAL DRAWINGS.
25. CAST-IN-PLACE CONCRETE WALL WITH ARCHITECTURAL CONCRETE FINISH. SEE DETAIL 20 ON SHEET A6.32 FOR TYPICAL PATTERN OF EXPRESSED REVEALS AND RECESSED TIE HOLE PLUGS - PATTERN IS NOT SHOWN HERE, BUT SHALL BE PROVIDED AS IF SHOWN. ALL CORNERS AND EDGES OF CONCRETE WALL TO BE STRAIGHT AND TRUE EXCEPT FOR INDICATED REVEALS AND RECESSED TIE-HOLE PLUGS. CONCRETE SURFACE TO BE FLAT AND SMOOTH. FORM-WORK JOINTS ARE NOT TO BE VISIBLE ON FINISHED SURFACE.

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Revisions

No.		Date
1	ADDENDUM NO. 1	6-18-91
2	BULLETIN NO.1	

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North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

STAIR SECTIONS

Project No.		Drawing No.
19210.01	B1	A7.04
Date 15 MAY 91	BULLETIN	

DWG. FILE : 000056L1 /A7.04 / 19 SEP 91

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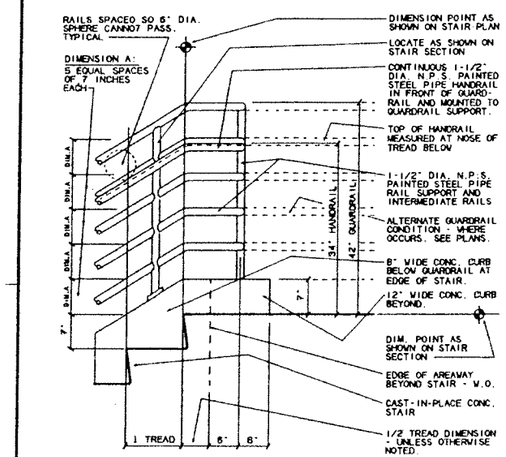
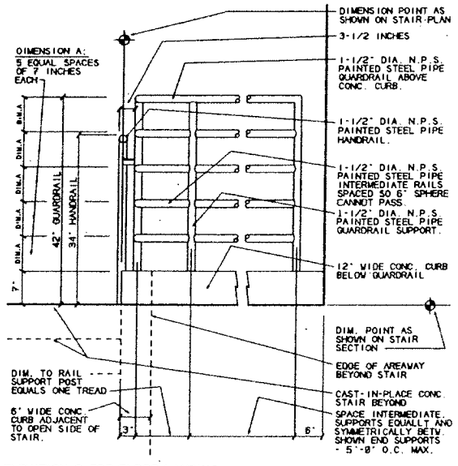
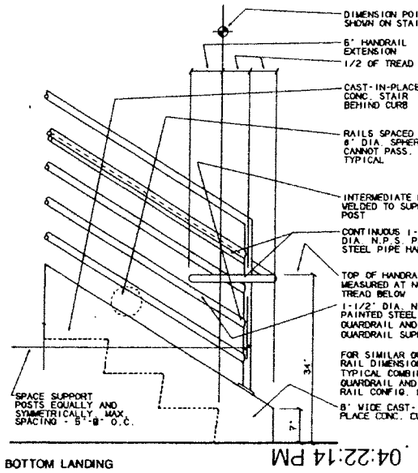


A TOP FLOOR LANDING

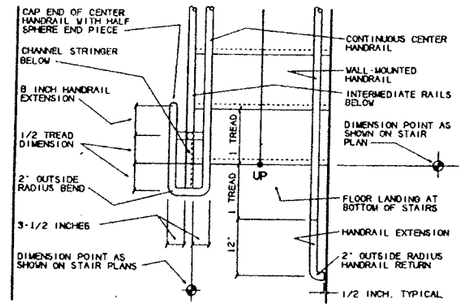


B ELEVATION @ TOP FLOOR LANDING

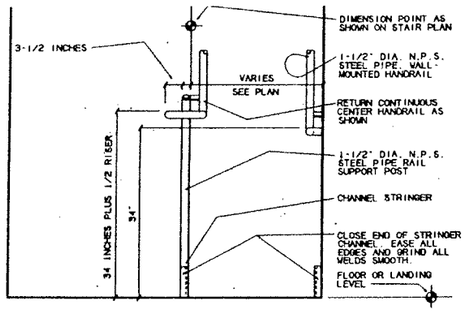


C BOTTOM LANDING

40 COMBINATION EXTERIOR HANDRAIL & GUARDRAIL

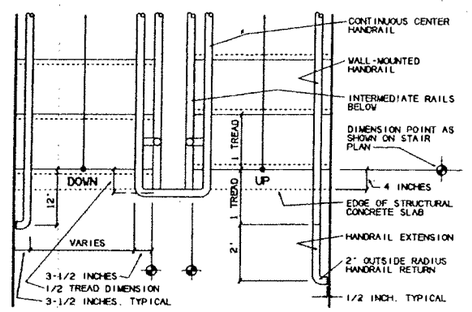


A PLAN



B ELEVATION

26 CONFIGURATION @ BOTTOM FLOOR



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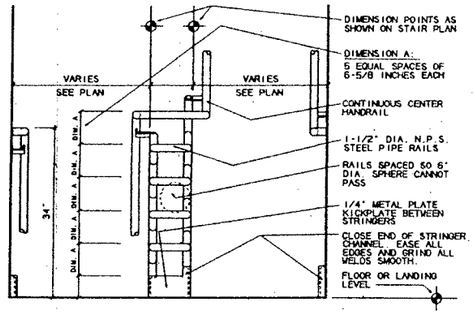
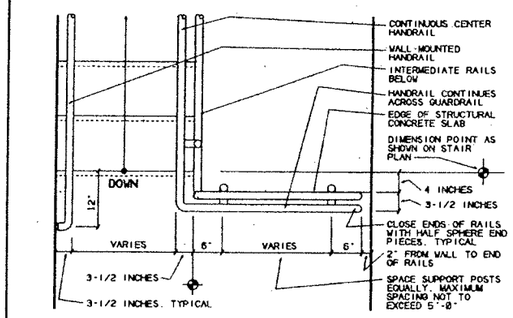
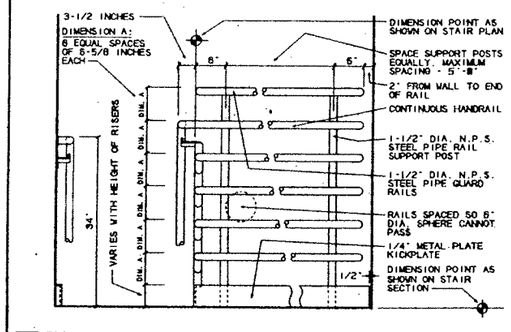


B ELEVATION

18 CONFIGURATION @ INTERMEDIATE FLOORS

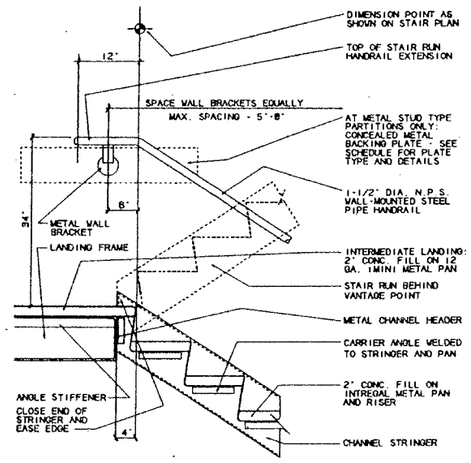


A PLAN



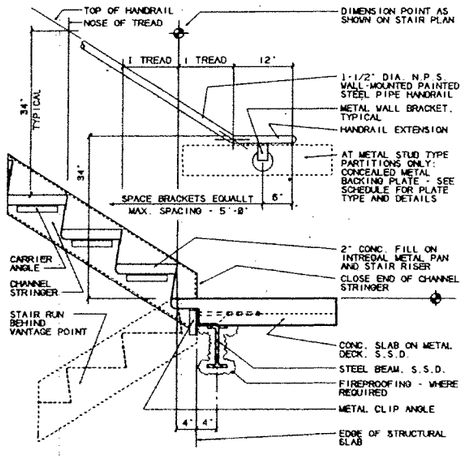
B ELEVATION

8 CONFIGURATION @ TOP FLOOR



A TOP OF RUN

30 WALL MOUNTED HANDRAIL CONFIGURATION



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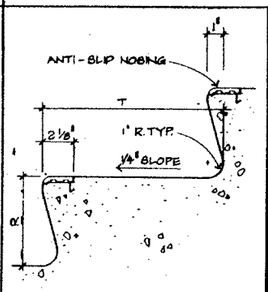
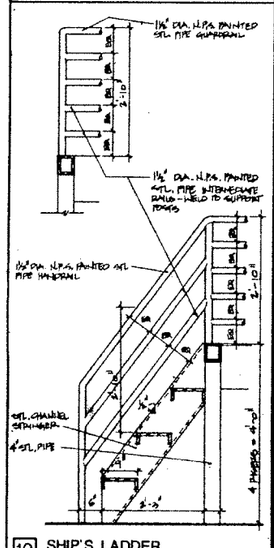


9 CONC. STAIR TREAD DETAIL



10 SHIP'S LADDER

SHEET NOTES

1. THE PURPOSE OF THIS SHEET IS TO ILLUSTRATE THE TYPICAL APPEARANCE AND CONFIGURATION OF TYPICAL ELEMENTS OF THE STAIR, HANDRAIL, AND GUARDRAIL SYSTEMS. FOR INFORMATION REGARDING THE OVERALL CONFIGURATION OF THE ACTUAL STAIRS, REFER TO THE STAIR PLANS ON SHEETS A7.01 AND A7.02 AND THE STAIR SECTIONS ON SHEETS A7.03 AND A7.04.
2. THE CONTRACTOR SHALL ENGINEER THE STAIR SYSTEM - INCLUDING THE SIZE AND GAUGE OF ALL MEMBERS, CONNECTIONS, AND ATTACHMENTS - TO CONFORM WITH THE STRUCTURAL PERFORMANCE CRITERIA SET FORTH IN THE BOOK OF SPECIFICATIONS. THE METHOD OF ENGINEERING, QUALIFIED ENGINEERS, REQUIRED CALCULATIONS, AND REQUIRED SHOP DRAWINGS ARE TO BE FOUND IN THE BOOK OF SPECIFICATIONS.
3. IT IS THE ARCHITECT'S DESIGN INTENT THAT THE CONTRACTOR ENGINEERED STAIR SYSTEM MAINTAIN THE OVERALL APPEARANCE AND CONFIGURATION ILLUSTRATED ON THIS SHEET. WHERE STRUCTURAL MEMBER WEIGHTS, SIZES, OR DIMENSIONS ARE INDICATED ON THIS SHEET, THOSE SIZES OR DIMENSIONS ARE MINIMUM SIZES OR DIMENSIONS, UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL UTILIZE STRUCTURAL MEMBERS HAVING GREATER WEIGHTS, SIZES, OR DIMENSIONS AS NECESSARY TO ACHIEVE THE SPECIFIED STRUCTURAL PERFORMANCE CRITERIA.
4. PAINT: ALL EXPOSED SURFACES OF METAL STAIRS, HANDRAILS, AND GUARDRAILS ARE TO RECEIVE PAINTED FINISH. SEE COLOR SELECTION SCHEDULE FOR ADDITIONAL INFORMATION.
5. HANDRAILS: THE TOP OF ALL HANDRAILS SHALL BE 34 INCHES ABOVE THE NOSING OF THE TREADS, UNLESS OTHERWISE NOTED. 34 INCHES IS IN CONFORMANCE WITH THE MOST RESTRICTIVE ASPECTS OF BOTH THE 1990 UBC (SECTION 3306(J) REQUIRES 34 TO 38 INCHES) AND TITLE 24, CCR (PART 2, SECTION 2006(L) (3)A REQUIRES 30 TO 34 INCHES).
6. MINIMUM REQUIRED VERTICAL CLEARANCE AT ALL POINTS WITHIN STAIR ENCLOSURE IS 7'-6". MAINTAIN MINIMUM OR GREATER CLEARANCE TO ALL ELEMENTS INCLUDING STAIR OR STRUCTURAL FRAMING, SPRINKLER PIPING, LIGHT FIXTURES, AND EXIT SIGNS. ABOVE THE STAIR TREADS, CLEARANCE SHALL BE MEASURE VERTICALLY FROM A LINE CONNECTION THE LEADING EDGES OF EACH STAIR TREAD.

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TYP. STAIR & HANDRAIL CONFIGURATION DETAILS

SCALE: 1"=1'-0", U.O.N.

Project No.		Drawing No.
19210.01	B	A7.05
Date 01 APR. 1991	BIDDING	

PROJECT NO. 19210.01

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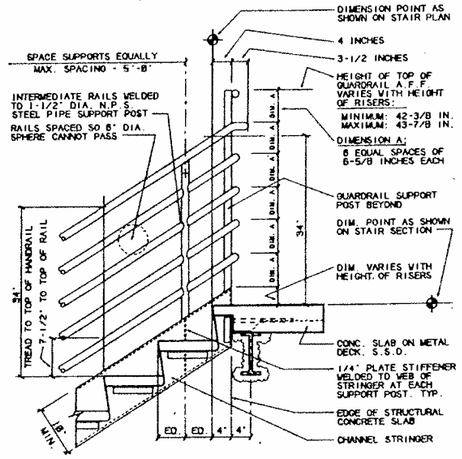
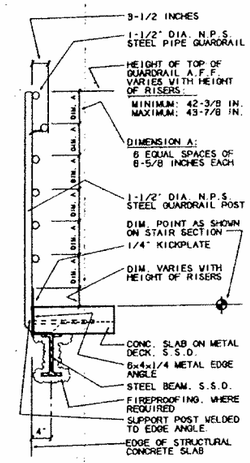
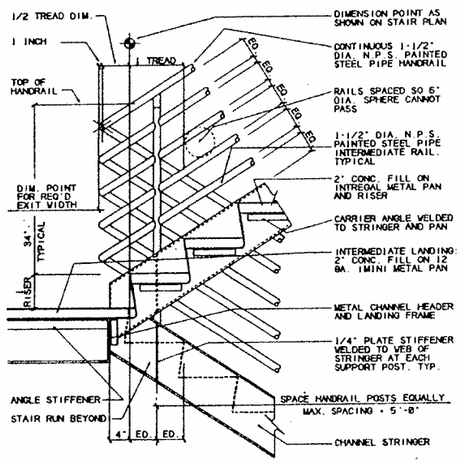


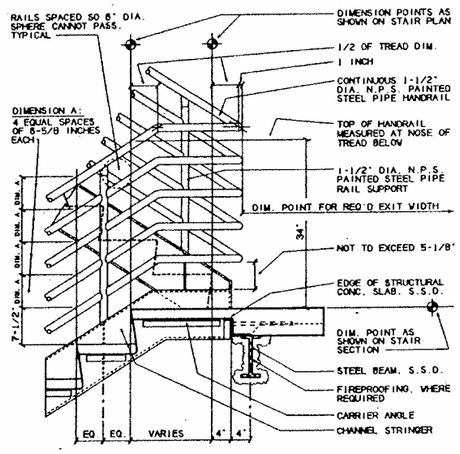
B TOP FLOOR LANDING



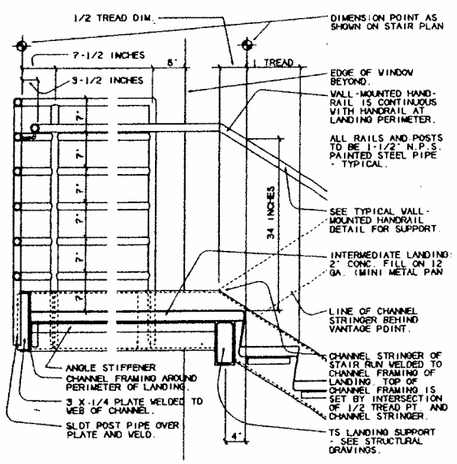
A GUARDRAIL @ TOP FLOOR LANDING



C INTERMEDIATE LANDING



D EXTENDED FLOOR LANDING



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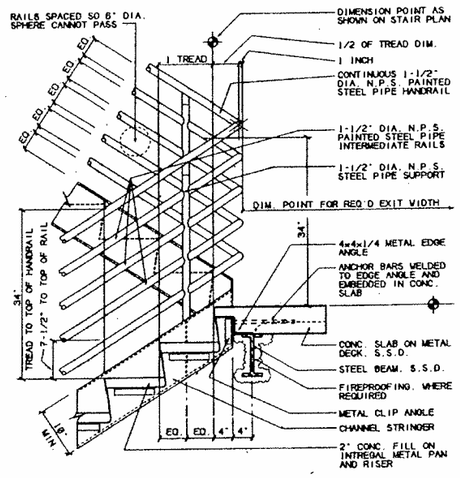
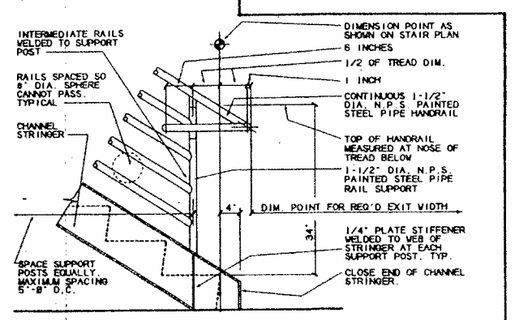


F FLOOR LANDING



G BOTTOM LANDING

40 TYPICAL STAIR & HANDRAIL CONFIGURATION

SHEET NOTES

1. THE PURPOSE OF THIS SHEET IS TO ILLUSTRATE THE TYPICAL APPEARANCE AND CONFIGURATION OF TYPICAL ELEMENTS OF THE STAIR, HANDRAIL, AND GUARDRAIL SYSTEMS. FOR INFORMATION REGARDING THE OVERALL CONFIGURATION OF THE ACTUAL STAIRS, REFER TO THE STAIR PLANS ON SHEETS A7.01 AND A7.02 AND THE STAIR SECTIONS ON SHEETS A7.03 AND A7.04.
2. THE CONTRACTOR SHALL ENGINEER THE STAIR SYSTEM - INCLUDING THE SIZE AND GAUGE OF ALL MEMBERS, CONNECTIONS, AND ATTACHMENTS - TO CONFORM WITH THE STRUCTURAL PERFORMANCE CRITERIA SET FORTH IN THE BOOK OF SPECIFICATIONS. THE METHOD OF ENGINEERING, QUALIFIED ENGINEERS, REQUIRED CALCULATIONS, AND REQUIRED SHOP DRAWINGS ARE TO BE FOUND IN THE BOOK OF SPECIFICATIONS.
3. IT IS THE ARCHITECT'S DESIGN INTENT THAT THE CONTRACTOR ENGINEERED STAIR SYSTEM MAINTAIN THE OVERALL APPEARANCE AND CONFIGURATION ILLUSTRATED ON THIS SHEET, WHERE STRUCTURAL MEMBER WEIGHTS, SIZES, OR DIMENSIONS ARE INDICATED ON THIS SHEET, THOSE SIZES OR DIMENSIONS ARE MINIMUM SIZES OR DIMENSIONS, UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL UTILIZE STRUCTURAL MEMBERS HAVING GREATER WEIGHTS, SIZES, OR DIMENSIONS AS NECESSARY TO ACHIEVE THE SPECIFIED STRUCTURAL PERFORMANCE CRITERIA.
4. PAINT: ALL EXPOSED SURFACES OF METAL STAIRS, HANDRAILS, AND GUARDRAILS ARE TO RECEIVE PAINTED FINISH. SEE COLOR SELECTION SCHEDULE FOR ADDITIONAL INFORMATION.
5. HANDRAILS: THE TOP OF ALL HANDRAILS SHALL BE 34 INCHES ABOVE THE NOSING OF THE TREADS, UNLESS OTHERWISE NOTED. 34 INCHES IS IN CONFORMANCE WITH THE MOST RESTRICTIVE ASPECTS OF BOTH THE 1980 LABC [SECTION 2306(J) REQUIRES 34 TO 38 INCHES] AND TITLE 24, CCR [PART 2, SECTION 2306(J) 1)2)A REQUIRES 30 TO 34 INCHES].
6. MINIMUM REQUIRED VERTICAL CLEARANCE AT ALL POINTS WITHIN STAIR ENCLOSURE IS 7'-6". MAINTAIN MINIMUM OR GREATER CLEARANCE TO ALL ELEMENTS INCLUDING STAIR OR STRUCTURAL FRAMING, SPRINKLER PIPING, LIGHT FIXTURES, AND EXIT SIGNS. ABOVE THE STAIR TREADS, CLEARANCE SHALL BE MEASURE VERTICALLY FROM A LINE CONNECTION THE LEADING EDGES OF EACH STAIR TREAD.

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TYP. STAIR & HANDRAIL CONFIGURATION DETAILS

SCALE: 1"=1'-0", U.O.N.

Project No.		Drawing No.
19210.01	B	A7.06
Date 01 APR. 1991	BIDDING	

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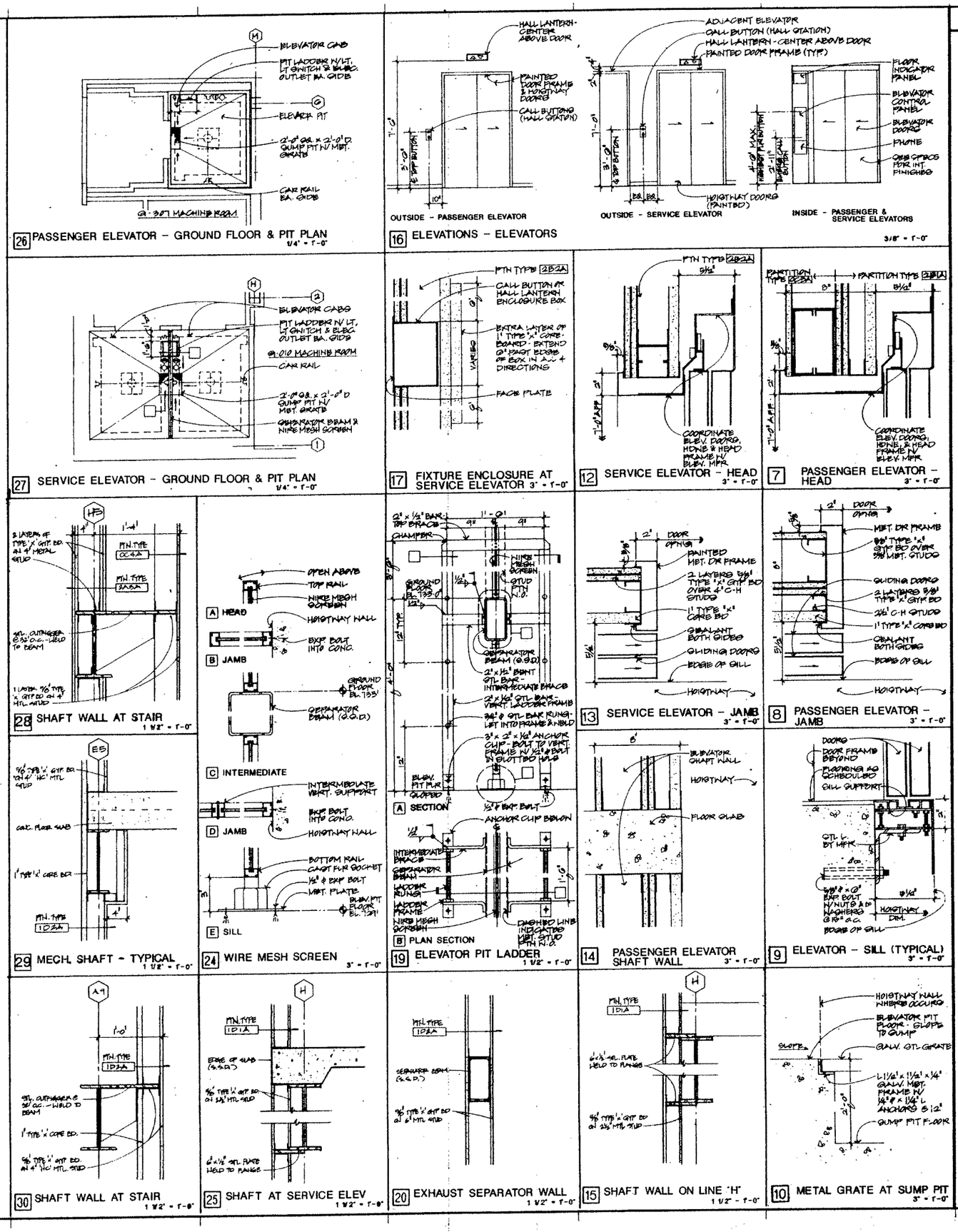

SHEET NOTES

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ELEVATOR & SHAFT DETAILS

Project No.		Drawing No.
19210.01	B	A7.07
Date 01 APR. 1991	BIDDING	

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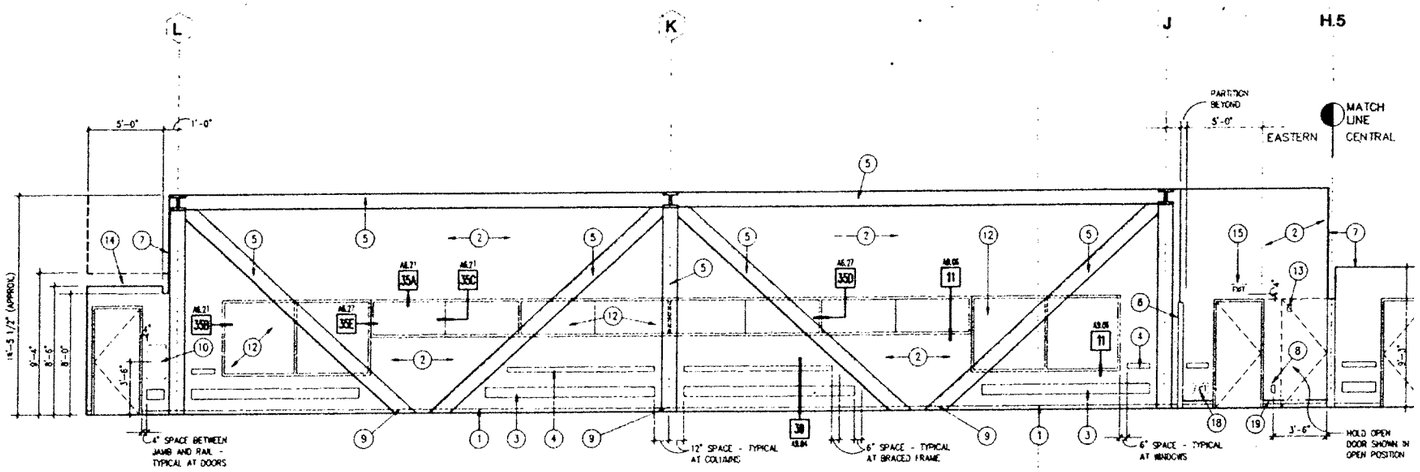
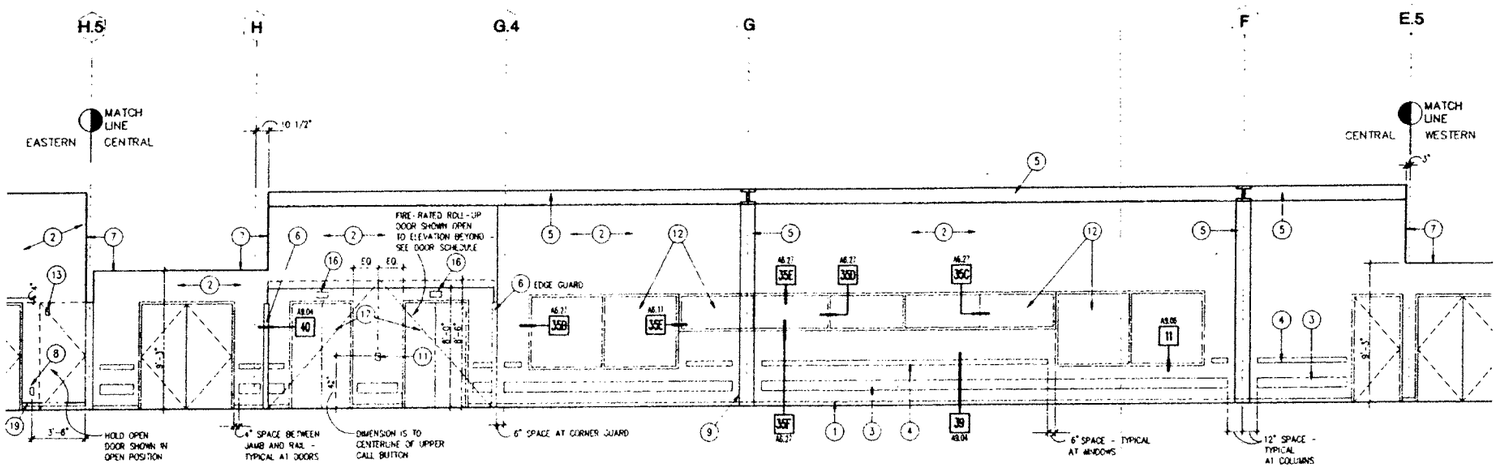
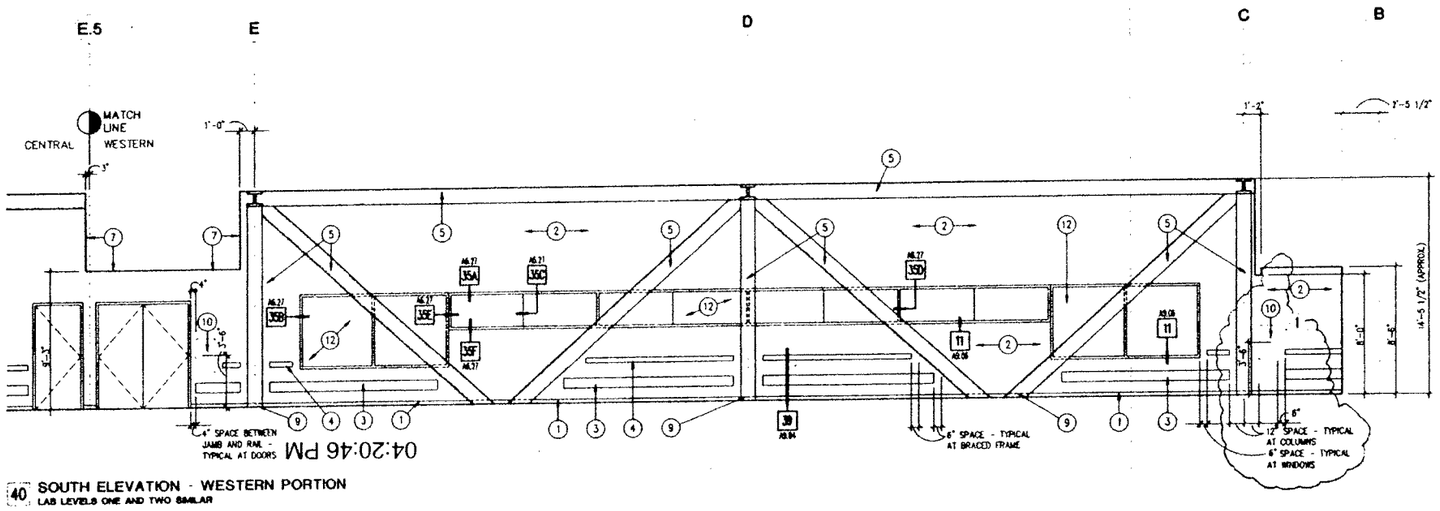


37 SOUTH ELEVATION - EASTERN PORTION
LAB LEVELS ONE AND TWO SIMILAR



39 SOUTH ELEVATION - CENTRAL PORTION
LAB LEVEL ONE AND TWO SIMILAR



40 SOUTH ELEVATION - WESTERN PORTION
LAB LEVELS ONE AND TWO SIMILAR

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SHEET NOTES

1. THE PURPOSE OF THIS SHEET IS TO ILLUSTRATE THE OVERALL CONFIGURATION OF ALL ITEMS OF ALL TRADES LOCATED ON EACH OF THE PROVIDED INTERIOR ELEVATIONS. LOCATIONS SHOWN ON THE ELECTRICAL, MECHANICAL, AND PLUMBING DRAWINGS ARE SCHEMATIC AND THE DIMENSIONS SHOWN HERE TAKE PRECEDENCE.
2. THE TYPICAL ARRANGEMENTS AND CONFIGURATIONS SHOWN HERE SHOULD BE USED AS A GUIDE FOR LOCATING SIMILAR ITEMS ON WALLS FOR WHICH NO INTERIOR ELEVATIONS ARE PROVIDED.
3. FOR ADDITIONAL INTERIOR ELEVATION INFORMATION, REFER TO THE BUILDING/WALL SECTIONS OF THE A8 SERIES DRAWINGS. WHERE BOTH THE A8 SERIES AND THE A8 SERIES SHOW THE SAME INTERIOR ELEVATION, THE INFORMATION PROVIDED ON THE A8 SERIES DRAWINGS SHALL GOVERN.
4. MOUNTING LOCATIONS AND HEIGHTS.
   A. WHERE HORIZONTAL DIMENSIONS ARE NOT SHOWN ON THE INTERIOR ELEVATIONS, REFER FIRST TO THE ARCHITECTURAL FLOOR PLANS. IF NOT DIMENSIONED ON THE FLOOR PLANS, REFER SECOND TO THE APPLICABLE TYPICAL MOUNTING CONFIGURATION DETAILS. IF NOT DIMENSIONED BY THE ARCHITECT, REFER TO THE APPLICABLE LABORATORY, ELECTRICAL, MECHANICAL, OR PLUMBING DRAWINGS FOR DIMENSION. FINALLY, IF NO DIMENSION IS PROVIDED, PLACE AT APPROXIMATE LOCATION SHOWN ON INTERIOR ELEVATION.
   B. WHERE VERTICAL DIMENSIONS ARE NOT SHOWN ON THE INTERIOR ELEVATIONS, REFER FIRST TO THE APPLICABLE TYPICAL MOUNTING CONFIGURATION DETAILS. IF NOT DIMENSIONED BY THE ARCHITECT, REFER TO THE APPLICABLE LABORATORY, ELECTRICAL, MECHANICAL, OR PLUMBING DRAWING FOR DIMENSION. FINALLY, IF NO DIMENSION IS PROVIDED, PLACE AT APPROXIMATE LOCATION SHOWN ON INTERIOR ELEVATION.
5. FOR ADDITIONAL INFORMATION REGARDING ARCHITECTURAL FINISHES OF SPACES INDICATED ON THIS SHEET, REFER TO FINISH CODES SHOWN ON THE FLOOR PLANS AND ARCHITECTURAL FINISH SCHEDULE.
6. FOR ADDITIONAL NOTES WHICH ARE APPLICABLE TO THIS SHEET, REFER TO "GENERAL NOTES" ON SHEET A0.01

KEY NOTES

1. BASE. SEE ARCHITECTURAL FINISH SCHEDULE FOR ADDITIONAL INFORMATION
2. PAINTED GYPSUM BOARD WALL. SEE ARCHITECTURAL FINISH SCHEDULE FOR ADDITIONAL INFORMATION
3. BUMPER RAIL AT 16 INCHES A.F.F. TO CENTER - FOR TYPICAL MOUNTING SEE DETAIL ON SHEET A9.04
4. RUB RAIL AT 34 INCHES A.F.F. TO CENTER - FOR TYPICAL MOUNTING SEE DETAIL ON SHEET A9.04
5. PAINT EXPOSED STRUCTURAL STEEL FRAME AND SEISMIC BRACE AFTER FASING CORNERS OF ALL CONNECTIONS AND SMOOTHING ALL WELDS. FOR ADDITIONAL INFORMATION, SEE STRUCTURAL DRAWINGS
6. CORNER GUARD EXTENDS FROM FLOOR TO 7'-0" A.F.F. SEE SHEET A9.04 FOR TYPICAL MOUNTING DETAIL
7. ONE HOUR FIRE RATED HORIZONTAL GYPSUM BOARD AND METAL STUD DUCT ENCLOSURE OVER CORRIDOR AND EXTENDING TO FIRE RATED STRUCTURE ABOVE - SEE SECTION 3305(G)2 AND SECTION 4306(J) OF THE 1990 LABC. TAPE, SAND AND PAINT ALL SURFACES OF THE ENCLOSURE WHICH ARE EXPOSED TO VIEW. FOR TYPICAL DETAIL, SEE SHEET A9.04
8. ELECTRICAL OUTLET AT 12 INCHES A.F.F. TO CENTER - FOR ADDITIONAL INFORMATION SEE ELECTRICAL DRAWINGS
9. FINISH BASE PASSES BEHIND EXPOSED STRUCTURAL STEEL COLUMN AND SEISMIC BRACE (TYPICAL). SEE FINISH SCHEDULE FOR ADDITIONAL INFORMATION
10. SEMI-RECESSED FIRE EXTINGUISHER CABINET (F.E.C.) MOUNTED AT 42 INCHES A.F.F. TO CENTERLINE. WHERE APPLICABLE SEE SHEET A9.04 FOR TYPICAL FIRE RATED RECESS CONSTRUCTION DETAILS
11. ELEVATOR CALL BUTTON MOUNTED WITH CENTERLINE OF UPPER BUTTON AT 42 INCHES A.F.F. - SEE SHEET A7.07 FOR TYPICAL ELEVATOR DETAILS
12. EXTERIOR WINDOWS - SEE EXTERIOR ELEVATIONS FOR ADDITIONAL DETAILS AND DIMENSIONS
13. MAGNETIC HOLD-OPEN DOOR DEVICE - SEE ELECTRICAL DRAWINGS
14. ONE-HOUR FIRE RATED DUCT ENCLOSURE ABOVE FINISH CEILING. BOTTOM OF RATED ENCLOSURE AT 9'-4" A.F.F. SEE ALSO LAB LEVEL ONE AND TWO REFLECTED CEILING PLANS ON SHEETS A3.04 AND A3.06
16. ELEVATOR HALL LANTERN CENTERED OVER HOISTWAY DOOR BELOW. SEE SHEET A7.07 FOR TYPICAL ELEVATOR DETAILS
17. PAINTED METAL ELEVATOR HOISTWAY DOORS AND FRAME SEE SHEET A7.07 FOR TYPICAL ELEVATOR HOISTWAY DOOR JAMB, DOOR HEAD, AND SILL DETAILS
18. LOW LEVEL EXIT SIGN (CONFORM WITH SECTION 3314(E) OF THE 1990 LABC) MOUNTED AS SHOWN ON WALL ADJACENT TO EXIT DOOR FRAME
19. LOW LEVEL EXIT PATH MARKING DEVICE (CONFORM WITH SECTION 3314(F) OF THE 1990 LABC - FOR MOUNTING AND HEIGHT, SEE TYPICAL DETAIL ON SHEET A9.04

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No.	Date
1	BULLETIN NO.1

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Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

INTERIOR ELEVATIONS SERVICE CORRIDOR

SCALE: 1/4 INCH EQUALS 1 FOOT

Project No.		Drawing No.
19210.01	B 1 BULLETIN	A8.01
Date 01 APR 91		

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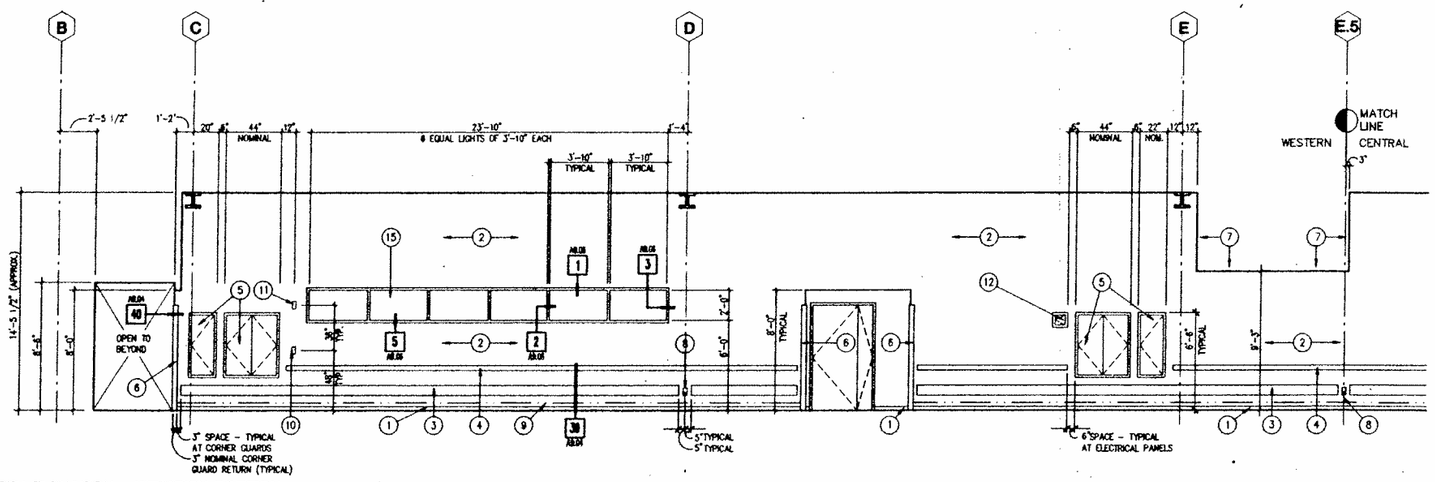
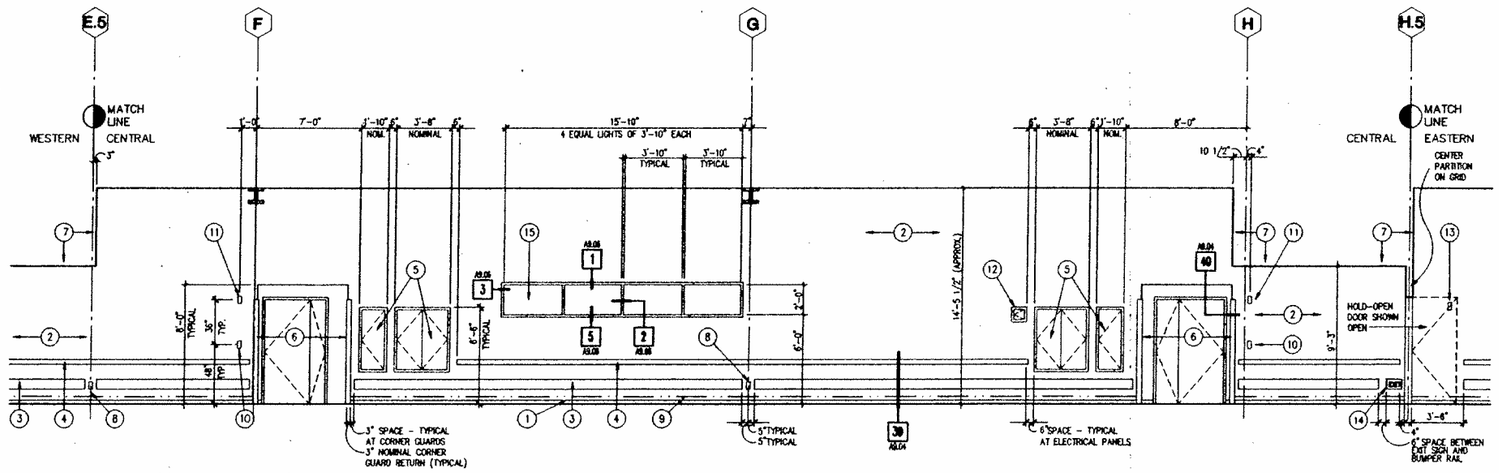
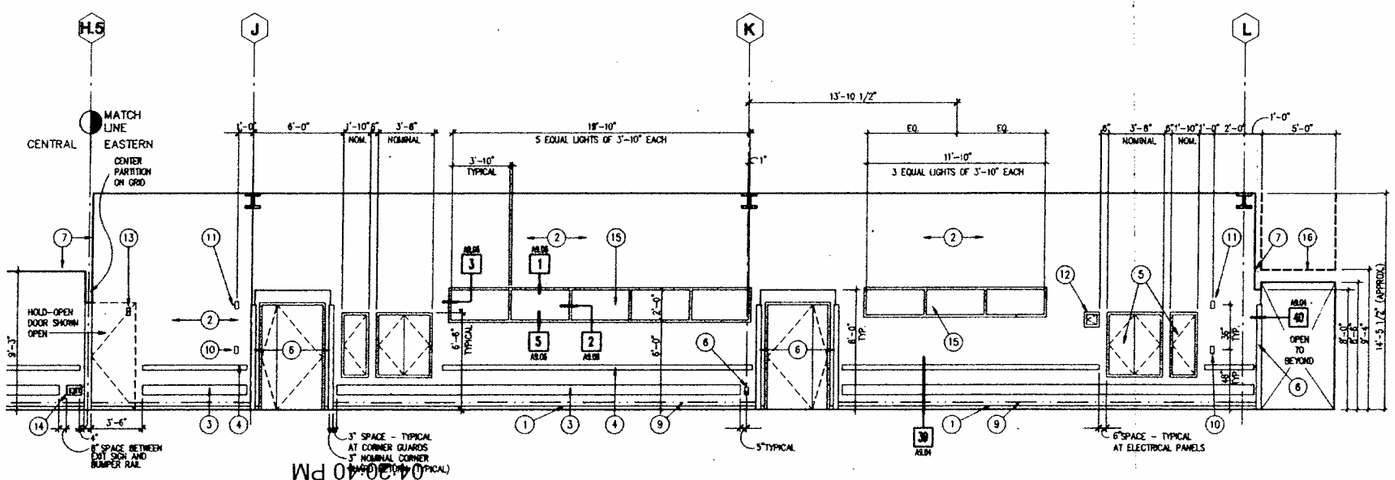


37 NORTH ELEVATION - WESTERN PORTION
LAB LEVEL ONE



39 NORTH ELEVATION - CENTRAL PORTION
LAB LEVEL ONE



40 NORTH ELEVATION - EASTERN PORTION
LAB LEVEL ONE

SHEET NOTES

1. THE PURPOSE OF THIS SHEET IS TO ILLUSTRATE THE OVERALL CONFIGURATION OF ALL ITEMS OF ALL TRADES LOCATED ON EACH OF THE PROVIDED INTERIOR ELEVATIONS. LOCATIONS SHOWN ON THE ELECTRICAL, MECHANICAL, AND PLUMBING DRAWINGS ARE SCHEMATIC AND THE DIMENSIONS SHOWN HERE TAKE PRECEDENCE.
2. THE TYPICAL ARRANGEMENTS AND CONFIGURATIONS SHOWN HERE SHOULD BE USED AS A GUIDE FOR LOCATING SIMILAR ITEMS ON WALLS FOR WHICH NO INTERIOR ELEVATIONS ARE PROVIDED.
3. FOR ADDITIONAL INTERIOR ELEVATION INFORMATION, REFER TO THE BUILDING/WALL SECTIONS OF THE A6 SERIES DRAWINGS. WHERE BOTH THE A6 SERIES AND THE A8 SERIES SHOW THE SAME INTERIOR ELEVATION, THE INFORMATION PROVIDED ON THE A8 SERIES DRAWINGS SHALL GOVERN.
4. MOUNTING LOCATIONS AND HEIGHTS:
   A. WHERE HORIZONTAL DIMENSIONS ARE NOT SHOWN ON THE INTERIOR ELEVATIONS, REFER FIRST TO THE ARCHITECTURAL FLOOR PLANS. IF NOT DIMENSIONED ON THE FLOOR PLANS, REFER SECOND TO THE APPLICABLE TYPICAL MOUNTING CONFIGURATION DETAILS. IF NOT DIMENSIONED BY THE ARCHITECT, REFER TO THE APPLICABLE LABORATORY, ELECTRICAL, MECHANICAL, OR PLUMBING DRAWINGS FOR DIMENSION. FINALLY, IF NO DIMENSION IS PROVIDED, PLACE AT APPROXIMATE LOCATION SHOWN ON INTERIOR ELEVATION.
   B. WHERE VERTICAL DIMENSIONS ARE NOT SHOWN ON THE INTERIOR ELEVATIONS, REFER FIRST TO THE APPLICABLE TYPICAL MOUNTING CONFIGURATION DETAILS. IF NOT DIMENSIONED BY THE ARCHITECT, REFER TO THE APPLICABLE LABORATORY, ELECTRICAL, MECHANICAL, OR PLUMBING DRAWING FOR DIMENSION. FINALLY, IF NO DIMENSION IS PROVIDED, PLACE AT APPROXIMATE LOCATION SHOWN ON INTERIOR ELEVATION.
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6. FOR ADDITIONAL NOTES WHICH ARE APPLICABLE TO THIS SHEET, REFER TO "GENERAL NOTES" ON SHEET A0.01.

KEY NOTES

1. BASE - SEE ARCHITECTURAL FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
2. PAINTED GYPSUM BOARD WALL - SEE ARCHITECTURAL FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
3. BUMPER RAIL AT 16 INCHES A.F.F. TO CENTER - FOR TYPICAL MOUNTING, SEE DETAIL ON SHEET A8.04.
4. RUB RAIL AT 34 INCHES A.F.F. TO CENTER - FOR TYPICAL MOUNTING, SEE DETAIL ON SHEET A8.04.
5. SURFACE-MOUNTED ELECTRICAL PANEL BOXES PLACED SO BOTTOM OF BOX (LEADING EDGE) IS LESS THAN 27" FROM FLOOR LEVEL (SEE SECTION 522(F)1 OF TITLE 24 CCR). FOR ADDITIONAL INFORMATION, SEE ELECTRICAL DRAWINGS.
6. CORNER GUARD EXTENDS FROM FLOOR TO 7'-0" A.F.F. SEE SHEET A8.04 FOR TYPICAL MOUNTING DETAIL.
7. ONE-HOUR FIRE-RATED HORIZONTAL GYPSUM BOARD AND METAL STUD DUCT ENCLOSURE OVER CORRIDOR AND EXTENDING TO FIRE-RATED STRUCTURE ABOVE - SEE SECTION 3305(G)2 AND SECTION 4306(J) OF THE 1990 UBC. TAPE, SAND, AND PAINT ALL SURFACES OF THE ENCLOSURE WHICH ARE EXPOSED TO VIEW. FOR TYPICAL DETAIL, SEE SHEET A8.04.
8. ELECTRICAL OUTLET AT 12 INCHES A.F.F. TO CENTER - FOR ADDITIONAL INFORMATION, SEE ELECTRICAL DRAWINGS.
9. LOW LEVEL EXIT PATH MARKING DEVICE (CONFORM WITH SECTION 3314(F) OF THE 1990 UBC). FOR MOUNTING AND HEIGHT, SEE DETAIL ON SHEET A8.04.
10. MANUAL FIRE-ALARM PULL STATION - SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
11. AUDIBLE AND VISIBLE FIRE ALARM - SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
12. SURFACE-MOUNTED ELECTRICAL GROUND BOX - SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION. FACE OF BOX SHALL PROJECT 4 INCHES OR LESS FROM SURFACE OF WALL (SEE SECTION 522(E)1 OF TITLE 24 CCR).
13. MAGNETIC HOLD-OPEN DOOR DEVICE - SEE ELECTRICAL DRAWINGS.
14. LOW LEVEL EXIT SIGN (CONFORM WITH SECTION 3314(E) OF THE 1990 UBC) MOUNTED AS SHOWN ON WALL ADJACENT TO EXIT DOOR FRAME.
15. 1/4" WIRE GLASS (GLAZING TYPE GL-8) AND PAINTED HOLLOW METAL FRAME WINDOW. AREA OF COMMON WALL, MAXIMUM ALLOWABLE WINDOW OPENING PER SECTION 3305(H)2 OF THE 1990 UBC, AND ACTUAL AREA OF OPENING FOR EACH WINDOW IS LISTED BELOW:

   ROOM 1-201 AND CORRIDOR 1-003
   COMMON WALL = 448.21 SQ. FT. (31'-0" BY 14'-6 1/2")
   ALLOWABLE OPENING AREA = 112.05 SQ. FT.
   ACTUAL OPENING AREA = 47.87 SQ. FT.

   ROOM 1-208 AND CORRIDOR 1-003
   COMMON WALL = 389.375 SQ. FT. (27'-6" BY 14'-5 1/2")
   ALLOWABLE OPENING AREA = 97.59 SQ. FT.
   ACTUAL OPENING AREA = 31.87 SQ. FT.

   ROOM 1-300 AND CORRIDOR 1-003
   COMMON WALL = 562.07 SQ. FT. (38'-10 1/2" BY 14'-5 1/2")
   ALLOWABLE OPENING AREA = 140.52 SQ. FT.
   ACTUAL OPENING AREA = 35.67 SQ. FT.

   ROOM 1-311 AND CORRIDOR 1-003
   COMMON WALL = 243.98 SQ. FT. (16'-10 1/2" BY 14'-5 1/2")
   ALLOWABLE OPENING AREA = 60.99 SQ. FT.
   ACTUAL OPENING AREA = 23.67 SQ. FT.
16. ONE-HOUR FIRE-RATED DUCT ENCLOSURE ABOVE FINISH CEILING. BOTTOM OF RATED ENCLOSURE AT 9'-4" A.F.F. SEE ALSO LAB LEVEL ONE REFLECTED CEILING PLAN ON SHEET A2.04.

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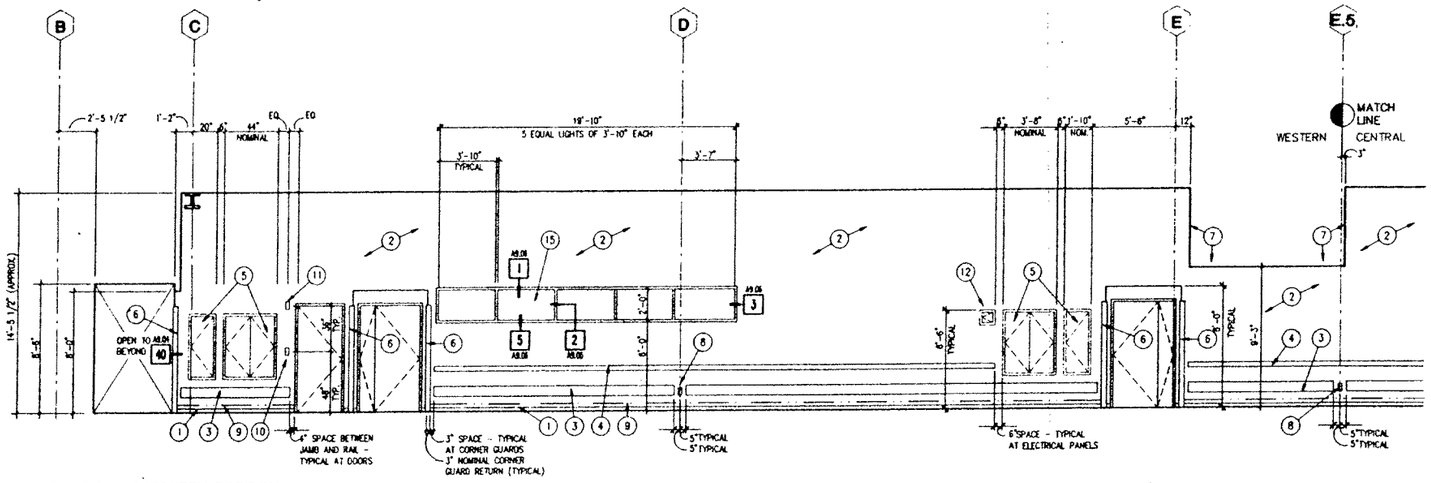
Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

INTERIOR ELEVATIONS SERVICE CORRIDOR

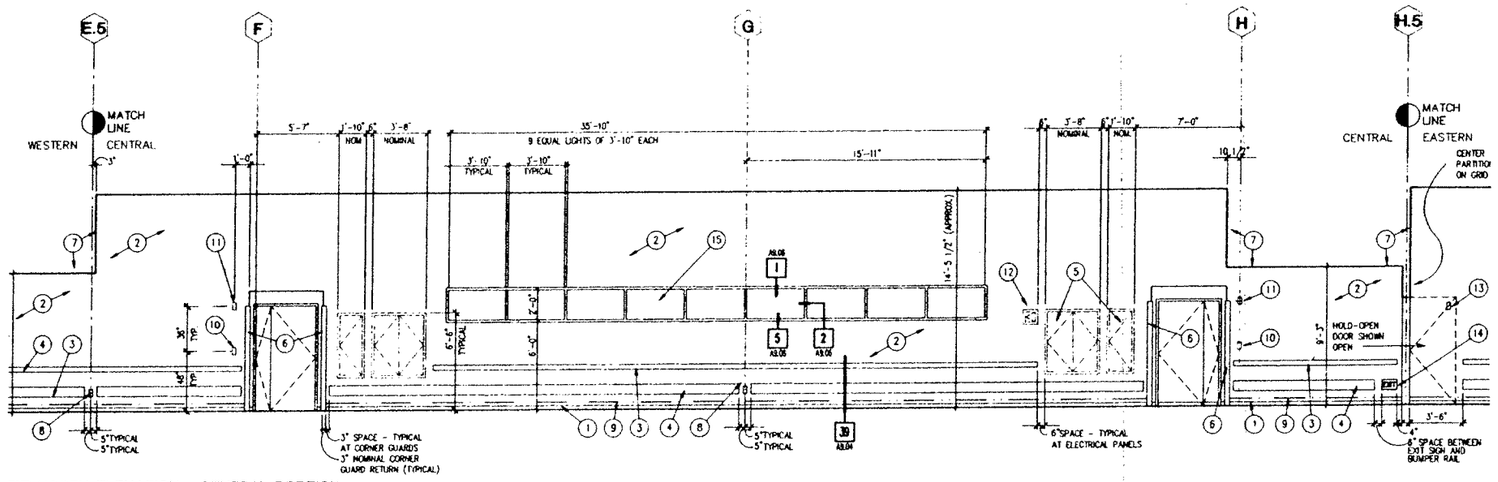
SCALE: 1/4 INCH EQUALS 1 FOOT

Project No.		Drawing No.
19210.01	B	A8.02
Date 01 APR. 1991	BIDDING	

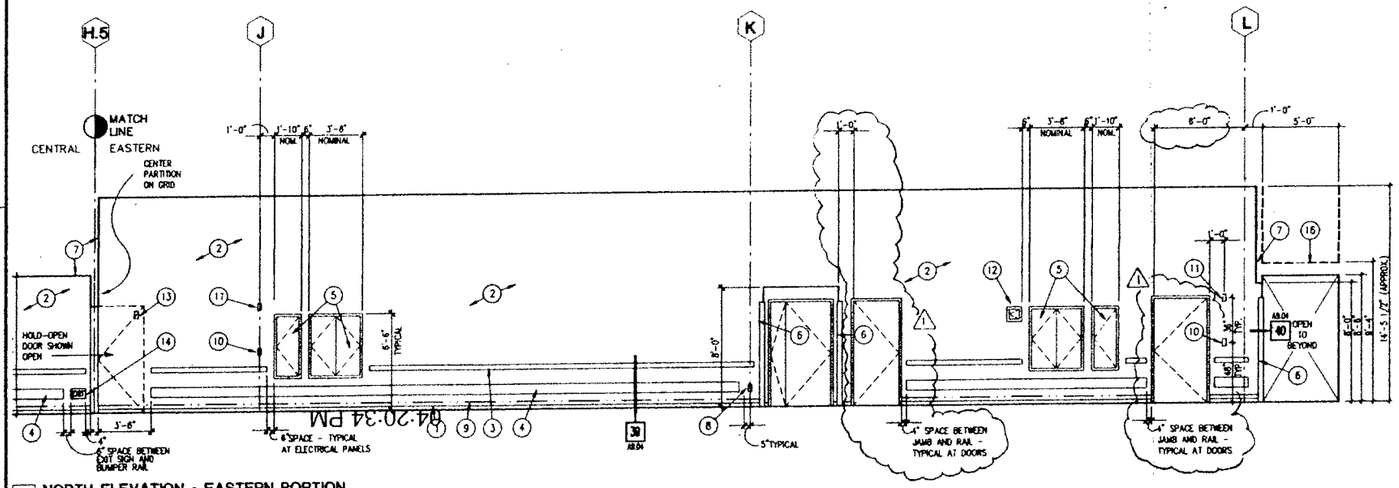
DWG. FILE : 00005702 / A8.02 / 23 JAN 91



37 NORTH ELEVATION - WESTERN PORTION
LAB LEVEL TWO



39 NORTH ELEVATION - CENTRAL PORTION
LAB LEVEL TWO



40 NORTH ELEVATION - EASTERN PORTION
LAB LEVEL TWO

SHEET NOTES

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KEY NOTES

1. BASE - SEE ARCHITECTURAL FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
2. PAINTED GYPSUM BOARD WALL - SEE ARCHITECTURAL FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
3. BUMPER RAIL AT 16 INCHES A.F.F. TO CENTER - FOR TYPICAL MOUNTING, SEE DETAIL ON SHEET A8.04.
4. RUB RAIL AT 34 INCHES A.F.F. TO CENTER - FOR TYPICAL MOUNTING, SEE DETAIL ON SHEET A8.04.
5. SURFACE-MOUNTED ELECTRICAL PANEL BOXES PLACED SO BOTTOM OF BOX (LEADING EDGE) IS LESS THAN 27" FROM FLOOR LEVEL (SEE SECTION 522(F)1 OF TITLE 24 CCR). FOR ADDITIONAL INFORMATION, SEE ELECTRICAL DRAWINGS.
6. CORNER GUARD EXTENDS FROM FLOOR TO 7'-0" A.F.F. SEE SHEET A8.04 FOR TYPICAL MOUNTING DETAIL.
7. ONE-HOUR FIRE-RATED HORIZONTAL GYPSUM BOARD AND METAL STUD DUCT ENCLOSURE OVER CORRIDOR AND EXTENDING TO FIRE-RATED STRUCTURE ABOVE - SEE SECTION 3305(D)2 AND SECTION 4306(L)3 OF THE 1990 LABC. TAPE, SAND, AND PAINT ALL SURFACES OF THE ENCLOSURE WHICH ARE EXPOSED TO VIEW. FOR TYPICAL DETAIL, SEE SHEET A8.04.
8. ELECTRICAL OUTLET AT 12 INCHES A.F.F. TO CENTER - FOR ADDITIONAL INFORMATION, SEE ELECTRICAL DRAWINGS.
9. LOW LEVEL EXIT PATH MARKING DEVICE (CONFORM WITH SECTION 3314(F) OF THE 1990 LABC). FOR MOUNTING AND HEIGHT, SEE DETAIL ON SHEET A9.04.
10. MANUAL FIRE-ALARM PULL STATION - SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
11. AUDIBLE AND VISIBLE FIRE ALARM - SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
12. SURFACE-MOUNTED ELECTRICAL GROUND BOX - SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION. FACE OF BOX SHALL PROJECT 4 INCHES OR LESS FROM SURFACE OF WALL (SEE SECTION 522(E)1 OF TITLE 24 CCR).
13. MAGNETIC HOLD-OPEN DOOR DEVICE - SEE ELECTRICAL DRAWINGS.
14. LOW LEVEL EXIT SIGN (CONFORM WITH SECTION 3314(E) OF THE 1990 LABC) MOUNTED AS SHOWN ON WALL ADJACENT TO EXIT DOOR FRAME.
15. 1/4" WIRE GLASS (GLAZING TYPE GL-8) AND PAINTED HOLLOW METAL FRAME WINDOW. AREA OF COMMON WALL, MAXIMUM ALLOWABLE WINDOW OPENING PER SECTION 3305(H)2 OF THE 1990 LABC AND ACTUAL AREA OF OPENING FOR EACH WINDOW IS LISTED BELOW:

   ROOM 2-100 AND CORRIDOR 2-000
   COMMON WALL = 807.25 SQ. FT. (55'-10" BY 14'-5 1/2")
   ALLOWABLE OPENING AREA = 201.81 SQ. FT.
   ACTUAL OPENING AREA = 39.57 SQ. FT.
   ROOM 2-200 AND CORRIDOR 2-000
   COMMON WALL = 954.25 SQ. FT. (66'-6" BY 14'-5 1/2")
   ALLOWABLE OPENING AREA = 238.56 SQ. FT.
   ACTUAL OPENING AREA = 71.67 SQ. FT.
16. ONE-HOUR FIRE-RATED DUCT ENCLOSURE ABOVE FINISH CEILING. BOTTOM OF RATED ENCLOSURE AT 9'-4" A.F.F. SEE ALSO LAB LEVEL TWO REFLECTED CEILING PLAN ON SHEET A3.06.

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INTERIOR ELEVATIONS SERVICE CORRIDOR

SCALE 1/4 INCH EQUALS 1 FOOT

Project No.		Drawing No.
19210.01	B 1 BULLETIN	A8.03
Date 01 APR 91		

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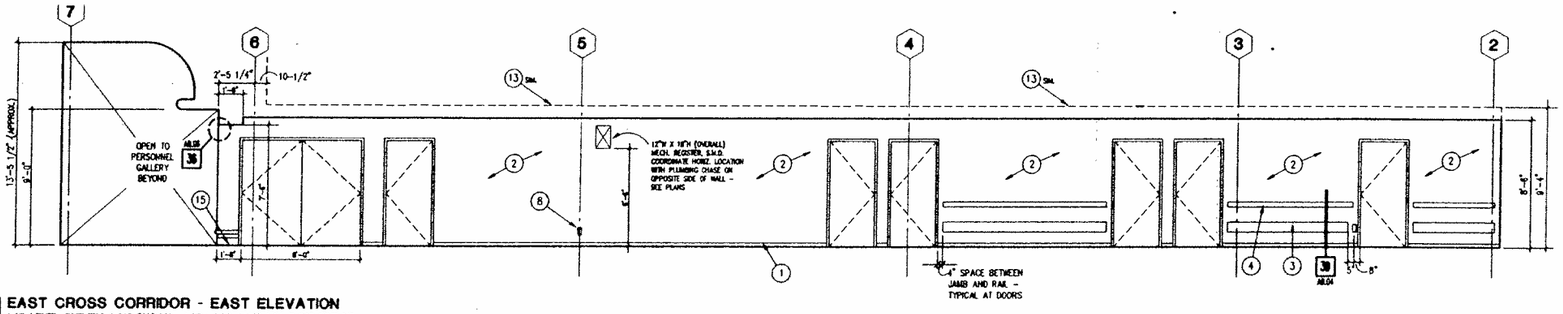
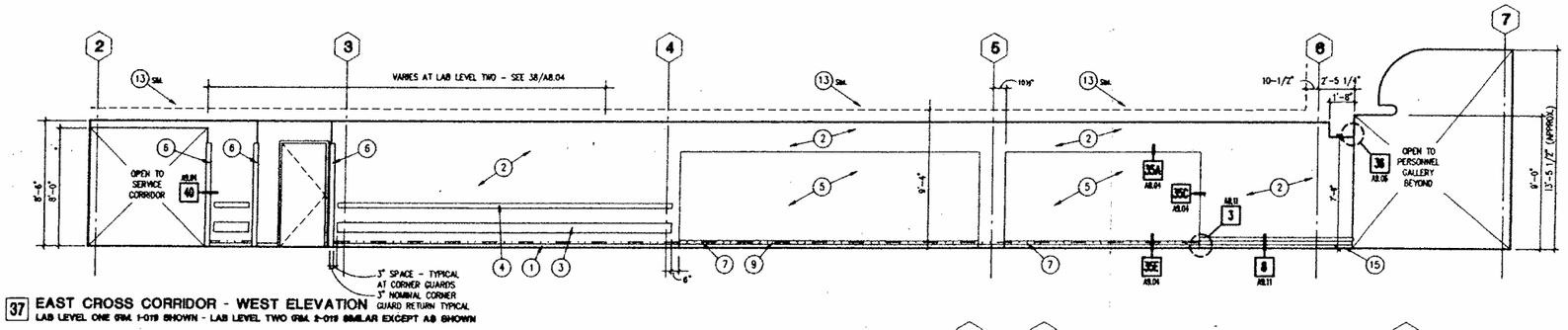
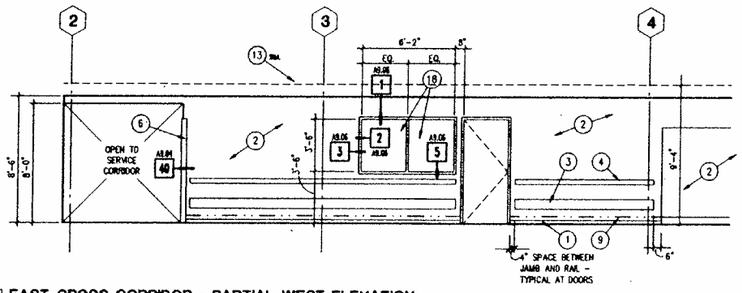
DWG. FILE : 00005703 / A8.03 / 8 AUG. 91



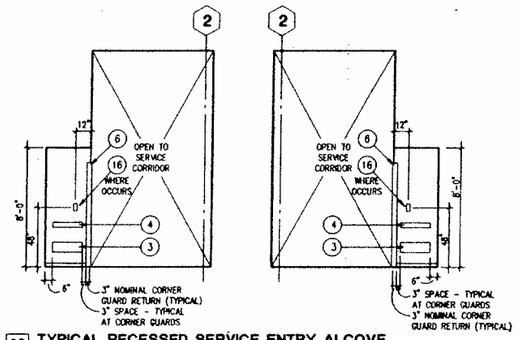
36 EAST CROSS CORRIDOR - EAST ELEVATION
LAB LEVEL ONE (RM. 1-019 SHOWN - LAB LEVEL TWO (RM. 2-019 SIMILAR



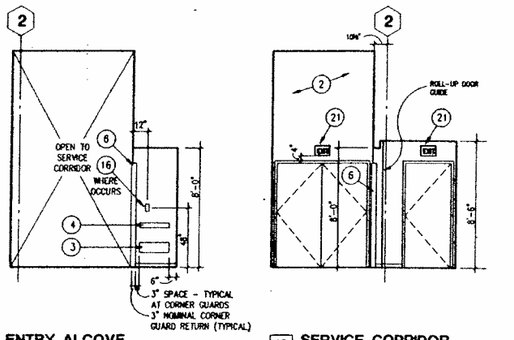
37 EAST CROSS CORRIDOR - WEST ELEVATION
LAB LEVEL ONE (RM. 1-019 SHOWN - LAB LEVEL TWO (RM. 2-019 SIMILAR EXCEPT AS SHOWN



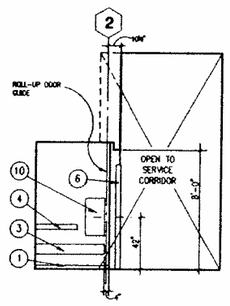
38 EAST CROSS CORRIDOR - PARTIAL WEST ELEVATION
LAB LEVEL TWO (RM. 2-019



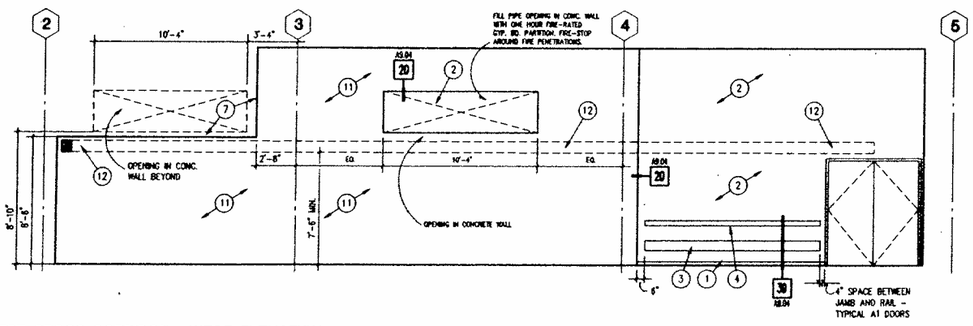
23 TYPICAL RECESSED SERVICE ENTRY ALCOVE
LAB LEVELS ONE AND TWO (SIMILAR (RM. 1-003 AND 2-003)



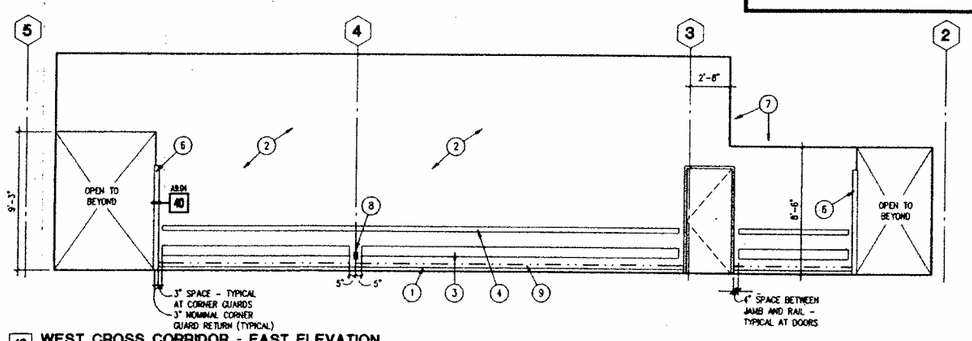
13 SERVICE CORRIDOR
LAB LEVELS ONE AND TWO (SIMILAR
LOOKING EAST AT ELEVATORS



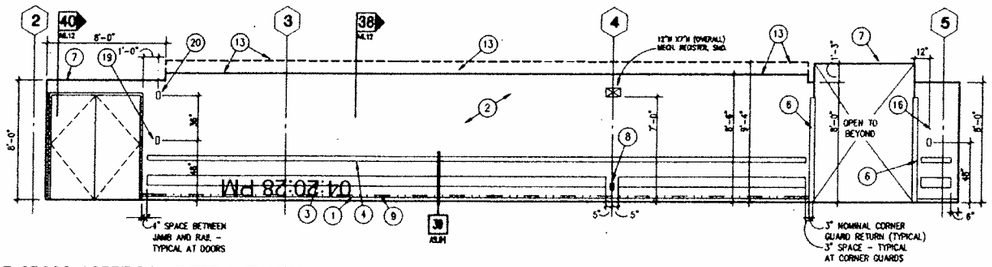
8 SERVICE CORRIDOR
LAB LEVELS ONE AND TWO (SIMILAR
LOOKING WEST AT ELEVATORS



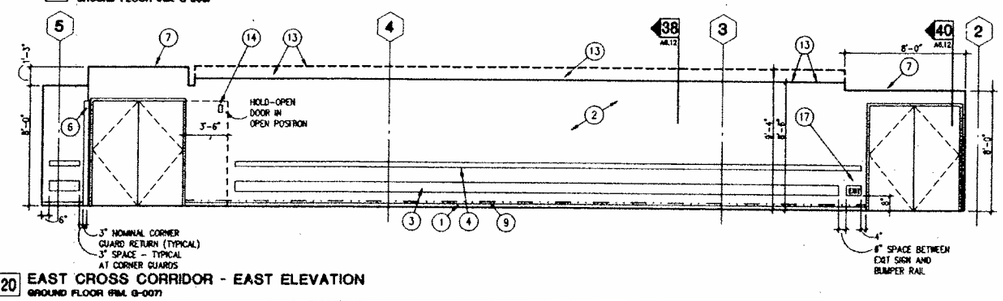
39 WEST CROSS CORRIDOR - WEST ELEVATION
GROUND FLOOR (RM. G-009)



19 WEST CROSS CORRIDOR - EAST ELEVATION
GROUND FLOOR (RM. G-009)



40 EAST CROSS CORRIDOR - WEST ELEVATION
GROUND FLOOR (RM. G-007)



20 EAST CROSS CORRIDOR - EAST ELEVATION
GROUND FLOOR (RM. G-007)

SHEET NOTES

1. THE PURPOSE OF THIS SHEET IS TO ILLUSTRATE THE OVERALL CONFIGURATION OF ALL ITEMS OF ALL TRADES LOCATED ON EACH OF THE PROVIDED INTERIOR ELEVATIONS. LOCATIONS SHOWN ON THE ELECTRICAL, MECHANICAL, AND PLUMBING DRAWINGS ARE SCHEMATIC AND THE DIMENSIONS SHOWN HERE TAKE PRECEDENCE. THE TYPICAL ARRANGEMENTS AND CONFIGURATIONS SHOWN HERE SHOULD BE USED AS A GUIDE FOR LOCATING SIMILAR ITEMS ON WALLS FOR WHICH NO INTERIOR ELEVATIONS ARE PROVIDED.
2. FOR ADDITIONAL NOTES WHICH ARE APPLICABLE TO THIS SHEET, REFER TO GENERAL NOTES ON SHEET A0.01 AND SHEET NOTES ON SHEET A8.01.

KEY NOTES

1. BASE - SEE ARCHITECTURAL FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
2. PAINTED GYPSUM BOARD WALL - SEE ARCHITECTURAL FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
3. BUMPER RAIL AT 18 INCHES A.F.F. TO CENTER - FOR TYPICAL MOUNTING, SEE DETAIL ON SHEET A8.04.
4. RUB RAIL AT 34 INCHES A.F.F. TO CENTER - FOR TYPICAL MOUNTING, SEE DETAIL ON SHEET A8.04.
5. RECESSED METAL LOCKERS. FACE OF LOCKERS IS FLUSH WITH ADJACENT WALL. SEE SHEET A8.04 FOR TYPICAL DETAILS.
6. CORNER GUARD EXTENDS FROM FLOOR TO 7'-0" A.F.F. SEE SHEET A8.04 FOR TYPICAL MOUNTING DETAIL.
7. ONE-HOUR FIRE-RATED HORIZONTAL GYPSUM BOARD AND METAL STUD DUCT ENCLOSURE OVER CORRIDOR AND EXTENDING TO FIRE-RATED STRUCTURE ABOVE - SEE SECTION 3309(b)(i) AND SECTION 4306(b)3 OF THE 1980 LABC. TAPE, SAND, AND PAINT ALL SURFACES OF THE ENCLOSURE WHICH ARE EXPOSED TO VIEW. FOR TYPICAL DETAIL, SEE SHEET A8.04.
8. ELECTRICAL OUTLET AT 12 INCHES A.F.F. TO CENTER - FOR ADDITIONAL INFORMATION, SEE ELECTRICAL DRAWINGS.
9. LOW LEVEL EXIT PATH MARKING DEVICE (CONFORM WITH SECTION 3314(F) OF THE 1980 LABC). FOR MOUNTING AND HEIGHT, SEE DETAIL ON SHEET A8.04.
10. SEMI-RECESSED FIRE EXTINGUISHER CABINET (F.E.C.) MOUNTED AT 42 INCHES A.F.F. TO CENTERLINE, WHERE APPLICABLE. SEE SHEET A8.04 FOR TYPICAL FIRE-RATED RECESS CONSTRUCTION DETAILS.
11. SEALED AND PAINTED CAST-IN-PLACE CONCRETE WALL - SEE STRUCTURAL DRAWINGS AND FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
12. PATH OF ELECTRICAL BUS DUCT SHOWN FOR COORDINATION PURPOSES - FOR ADDITIONAL INFORMATION, SEE ELECTRICAL DRAWINGS.
13. ONE-HOUR FIRE-RATED DUCT ENCLOSURE ABOVE FINISH CEILING. BOTTOM OF RATED ENCLOSURE AT 9'-4" A.F.F. SEE ALSO GROUND FLOOR REFLECTED CEILING PLAN ON SHEET A3.01.
14. MAGNETIC HOLD-OPEN DOOR DEVICE - SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
15. WOOD BASE AS INDICATED FOR PERSONNEL GALLERY - SEE TYPICAL DETAIL AS REFERENCED ON SHEET A8.09.
16. EMERGENCY POWER OFF SWITCH - SEE ELECTRICAL DRAWINGS.
17. LOW LEVEL EXIT SIGN (CONFORM WITH SECTION 3314(E) OF THE 1980 LABC) MOUNTED AS SHOWN ON WALL ADJACENT TO EXIT DOOR FRAME.
18. 1/4" WIRE GLASS (GLAZING TYPE GL-8) AND PAINTED HOLLOW METAL FRAME WINDOW. AREA OF COMMON WALL. MAXIMUM ALLOWABLE WINDOW OPENING PER SECTION 3305(b)2 OF THE 1980 LABC, AND ACTUAL AREA OF OPENING FOR EACH WINDOW IS LISTED BELOW:

   ROOM 2-400 AND CORRIDOR 2-011

   COMMON WALL = 87.98 SQ. FT. (10'-6" BY 9'-4")

   ALLOWABLE OPENING AREA = 24.46 SQ. FT.

   ACTUAL OPENING AREA = 21.56 SQ. FT.
19. MANUAL FIRE-ALARM PULL STATION - FOR ADDITIONAL INFORMATION, SEE ELECTRICAL DRAWINGS.
20. AUDIBLE AND VISIBLE FIRE ALARM - SEE ELECTRICAL DRAWINGS.
21. WALL-MOUNTED EXIT SIGN. FOR ADDITIONAL INFORMATION, SEE REFLECTED CEILING PLANS AND ELECTRICAL DRAWINGS.

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Laboratory Electrical Engineer

Revisions

No.	Date

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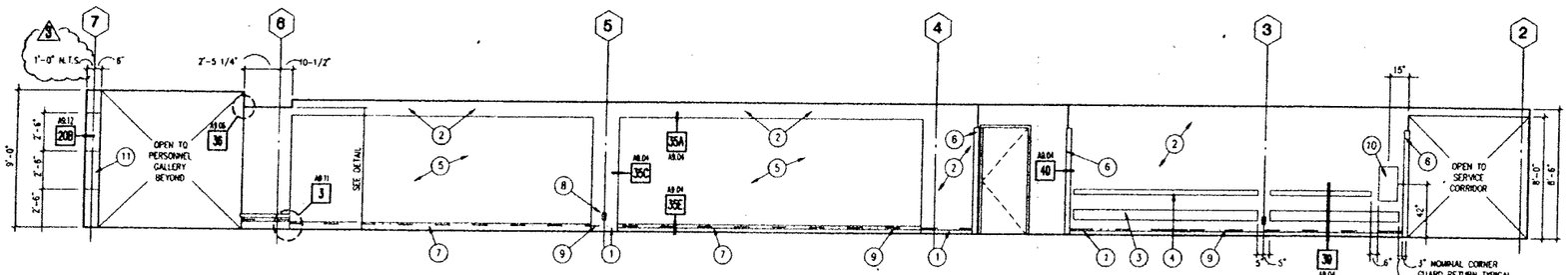
Sherman Way at Lankershim Boulevard
North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

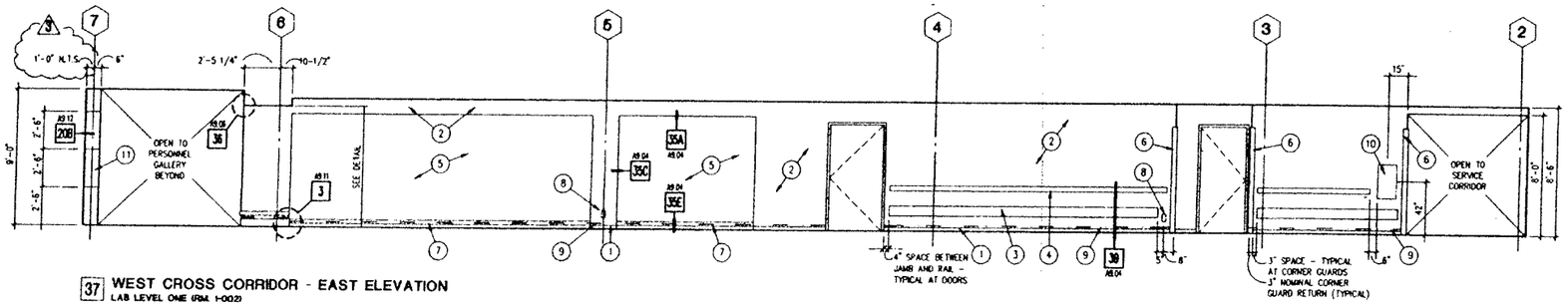
INTERIOR ELEVATIONS
CROSS CORRIDOR

SCALE: 1/4 INCH EQUALS 1 FOOT

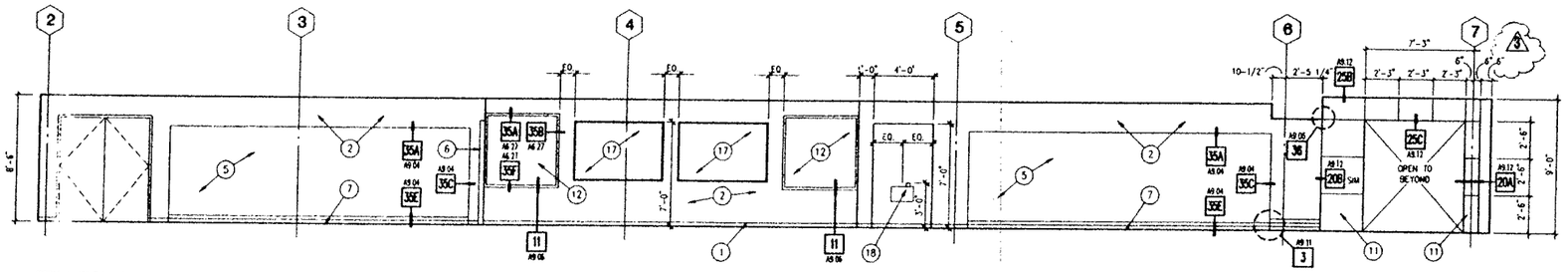
Project No.		Drawing No.
19210.01	B	A8.04
Date 01 APR. 1991	BIDDING	



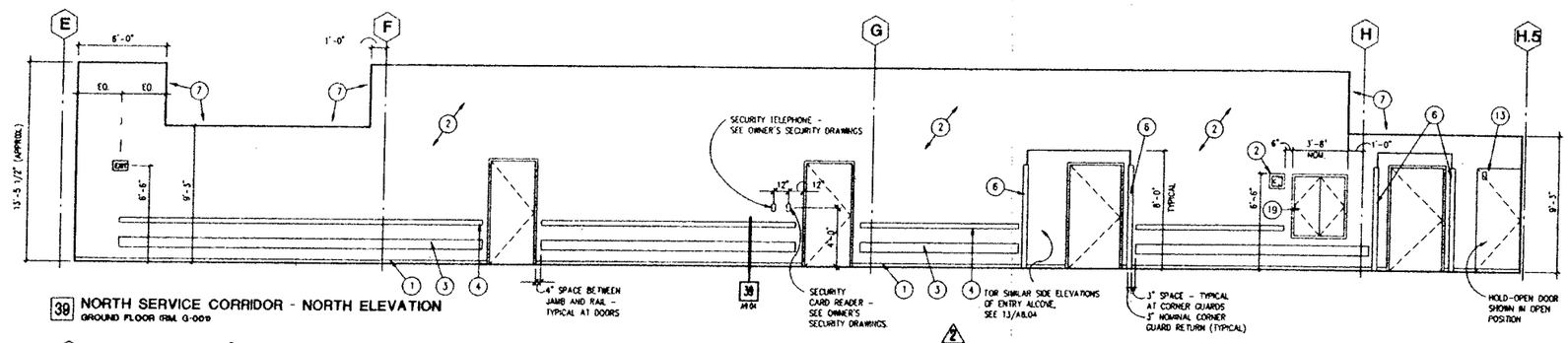
36 WEST CROSS CORRIDOR - EAST ELEVATION
LAB LEVEL TWO (RM. 2-002)



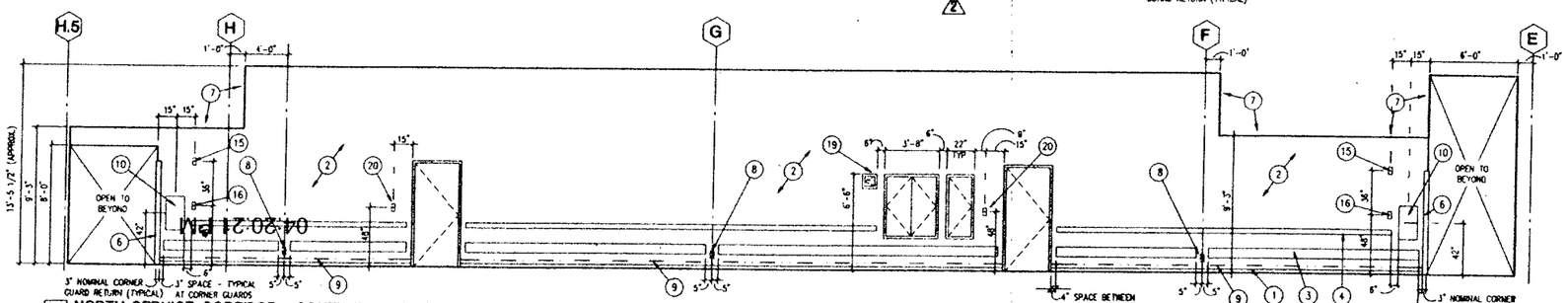
37 WEST CROSS CORRIDOR - EAST ELEVATION
LAB LEVEL ONE (RM. 1-002)



38 WEST CROSS CORRIDOR - WEST ELEVATION
LAB LEVEL ONE (RM. 1-002) SHOWN - LAB LEVEL TWO (RM. 2-002) SIMILAR



39 NORTH SERVICE CORRIDOR - NORTH ELEVATION
GROUND FLOOR (RM. G-009)



40 NORTH SERVICE CORRIDOR - SOUTH ELEVATION
GROUND FLOOR (RM. G-009)

SHEET NOTES

1. THE PURPOSE OF THIS SHEET IS TO ILLUSTRATE THE OVERALL CONFIGURATION OF ALL ITEMS OF ALL TRADES LOCATED ON EACH OF THE PROVIDED INTERIOR ELEVATIONS. LOCATIONS SHOWN ON THE ELECTRICAL, MECHANICAL, AND PLUMBING DRAWINGS ARE SCHEMATIC AND THE DIMENSIONS SHOWN HERE TAKE PRECEDENCE.
2. THE TYPICAL ARRANGEMENTS AND CONFIGURATIONS SHOWN HERE SHOULD BE USED AS A GUIDE FOR LOCATING SIMILAR ITEMS ON WALLS FOR WHICH NO INTERIOR ELEVATIONS ARE PROVIDED.
3. FOR ADDITIONAL INTERIOR ELEVATION INFORMATION, REFER TO THE BUILDING/WALL SECTIONS OF THE A6 SERIES DRAWINGS. WHERE BOTH THE A8 SERIES AND THE A6 SERIES SHOW THE SAME INTERIOR ELEVATION, THE INFORMATION PROVIDED ON THE A8 SERIES DRAWINGS SHALL GOVERN.
4. MOUNTING LOCATIONS AND HEIGHTS:
   A. WHERE HORIZONTAL DIMENSIONS ARE NOT SHOWN ON THE INTERIOR ELEVATIONS, REFER FIRST TO THE ARCHITECTURAL FLOOR PLANS. IF NOT DIMENSIONED ON THE FLOOR PLANS, REFER SECOND TO THE APPLICABLE TYPICAL MOUNTING CONFIGURATION DETAILS. IF NOT DIMENSIONED BY THE ARCHITECT, REFER TO THE APPLICABLE LABORATORY, ELECTRICAL, MECHANICAL, OR PLUMBING DRAWINGS FOR DIMENSION. FINALLY, IF NO DIMENSION IS PROVIDED, PLACE AT APPROXIMATE LOCATION SHOWN ON INTERIOR ELEVATION.
   B. WHERE VERTICAL DIMENSIONS ARE NOT SHOWN ON THE INTERIOR ELEVATIONS, REFER FIRST TO THE APPLICABLE TYPICAL MOUNTING CONFIGURATION DETAILS. IF NOT DIMENSIONED BY THE ARCHITECT, REFER TO THE APPLICABLE LABORATORY, ELECTRICAL, MECHANICAL, OR PLUMBING DRAWING FOR DIMENSION. FINALLY, IF NO DIMENSION IS PROVIDED, PLACE AT APPROXIMATE LOCATION SHOWN ON INTERIOR ELEVATION.
5. FOR ADDITIONAL INFORMATION REGARDING ARCHITECTURAL FINISHES OF SPACES INDICATED ON THIS SHEET, REFER TO FINISH CODES SHOWN ON THE FLOOR PLANS AND ARCHITECTURAL FINISH SCHEDULE.
6. FOR ADDITIONAL NOTES WHICH ARE APPLICABLE TO THIS SHEET, REFER TO "GENERAL NOTES" ON SHEET A0.01.

KEY NOTES

1. BASE - SEE ARCHITECTURAL FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
2. PAINTED GYPSUM BOARD WALL - SEE ARCHITECTURAL FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
3. BUMPER RAIL AT 18 INCHES A.F.F. TO CENTER - FOR TYPICAL MOUNTING, SEE DETAIL ON SHEET A8.04.
4. PUB RAIL AT 34 INCHES A.F.F. TO CENTER - FOR TYPICAL MOUNTING, SEE DETAIL ON SHEET A8.04.
5. RECESSED METAL LOCKERS. FACE OF LOCKERS IS FLUSH WITH ADJACENT WALL. SEE SHEET A8.04 FOR TYPICAL DETAILS.
6. CORNER GUARD EXTENDS FROM FLOOR TO 7'-0" A.F.F. SEE SHEET A8.04 FOR TYPICAL MOUNTING DETAIL.
7. ONE HOUR FIRE-RATED HORIZONTAL GYPSUM BOARD AND METAL STUD DUCT ENCLOSURE OVER CORRIDOR AND EXTENDING TO FIRE-RATED STRUCTURE ABOVE. SEE SECTION 3305(G)2 AND SECTION 4306(J) OF THE 1980 LABC. TAPE, SAND, AND PAINT ALL SURFACES OF THE ENCLOSURE WHICH ARE EXPOSED TO VIEW. FOR TYPICAL DETAIL, SEE SHEET A8.04.
8. ELECTRICAL OUTLET AT 12 INCHES A.F.F. TO CENTER - FOR ADDITIONAL INFORMATION, SEE ELECTRICAL DRAWINGS.
9. LOW LEVEL EXIT PATH MARKING DEVICE (CONFORM WITH SECTION 3314(F) OF THE 1980 LABC). FOR MOUNTING AND HEIGHT, SEE DETAIL ON SHEET A8.04.
10. SEMI-RECESSED FIRE EXTINGUISHER CABINET (F.E.C.) MOUNTED AT 42 INCHES A.F.F. TO CENTERLINE, WHERE APPLICABLE. SEE SHEET A8.04 FOR TYPICAL FIRE-RATED RECESS CONSTRUCTION DETAILS.
11. COMPOSITE METAL PANEL (TYPE 2 FOR INTERIOR USE).
12. EXTERIOR WINDOWS - SEE EXTERIOR ELEVATIONS FOR DIMENSIONS AND ADDITIONAL DETAILS.
13. MAGNETIC HOLD-OPEN DOOR DEVICE - SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
14. SURFACE MOUNTED ELECTRICAL PANEL BOXES PLACED SO BOTTOM OF BOX (LEADING EDGE) IS LESS THAN 27" FROM FLOOR LEVEL (SEE SECTION 522(F)1 OF TITLE 24 CCR). FOR ADDITIONAL INFORMATION, SEE ELECTRICAL DRAWINGS.
15. AUDIBLE AND VISIBLE FIRE ALARM - SEE ELECTRICAL DRAWINGS.
16. MANUAL FIRE-ALARM PULL STATION - FOR ADDITIONAL INFORMATION, SEE ELECTRICAL DRAWINGS.
17. WALL-MOUNTED TACKBOARD (TYPE ONE - 48" x 72"). REFER TO BOOK OF SPECIFICATION FOR DIMENSIONS AND ADDITIONAL INFORMATION REGARDING MOUNTING OF TACKBOARD.
18. DRINKING FOUNTAIN (CONFORM WITH SECTION 1507 OF TITLE 24 CCR FOR MOUNTING HEIGHT AND CLEARANCES. FOR ADDITIONAL INFORMATION, REFER TO THE PLUMBING DRAWINGS.
19. SURFACE MOUNTED ELECTRICAL GROUND BOX - SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION. FACE OF BOX SHALL PROJECT 4 INCHES OR LESS FROM SURFACE OF WALL (SEE SECTION 522(E)1 OF TITLE 24 CCR).
20. EMERGENCY POWER OFF SWITCH - SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.

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Revisions

No.		Date
1	ADDENDUM NO. 1	9-18-81
2	ADDENDUM NO. 2	9-29-81
3	BULLETIN NO.1	

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North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

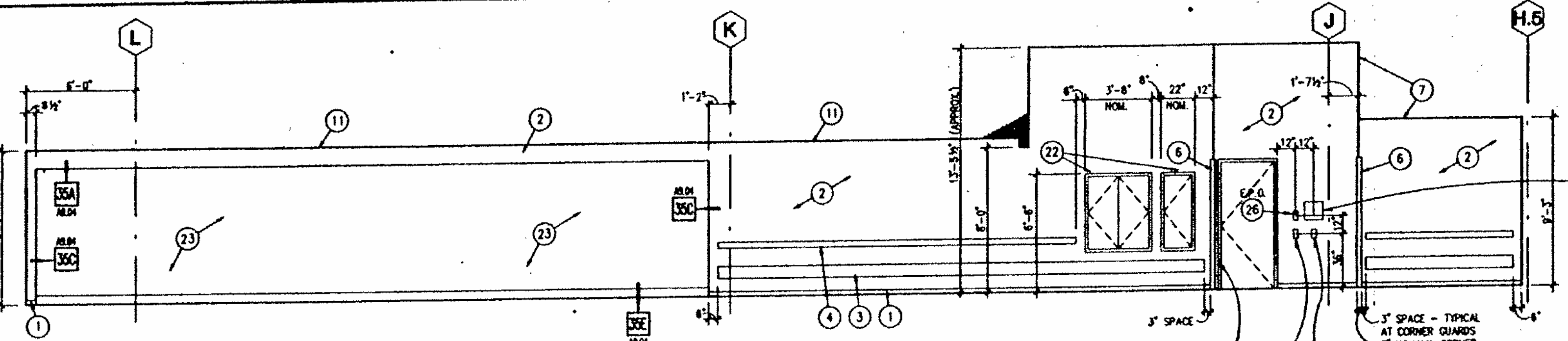
INTERIOR ELEVATIONS CORRIDORS

SCALE: 1/4 INCH EQUALS 1 FOOT

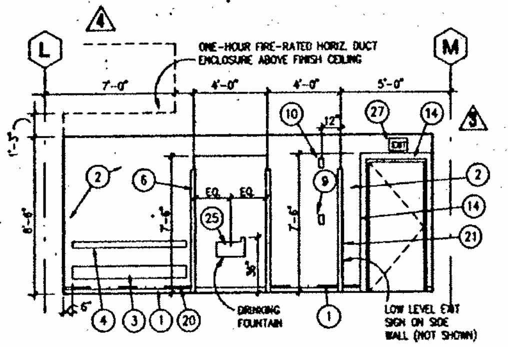
Project No.		Drawing No.
19210.01	B 1	A8.05
Date 18 MAY 81	BULLETIN	

DWG. FILE : 00005705 / A8.05 / 20 SEPE 81

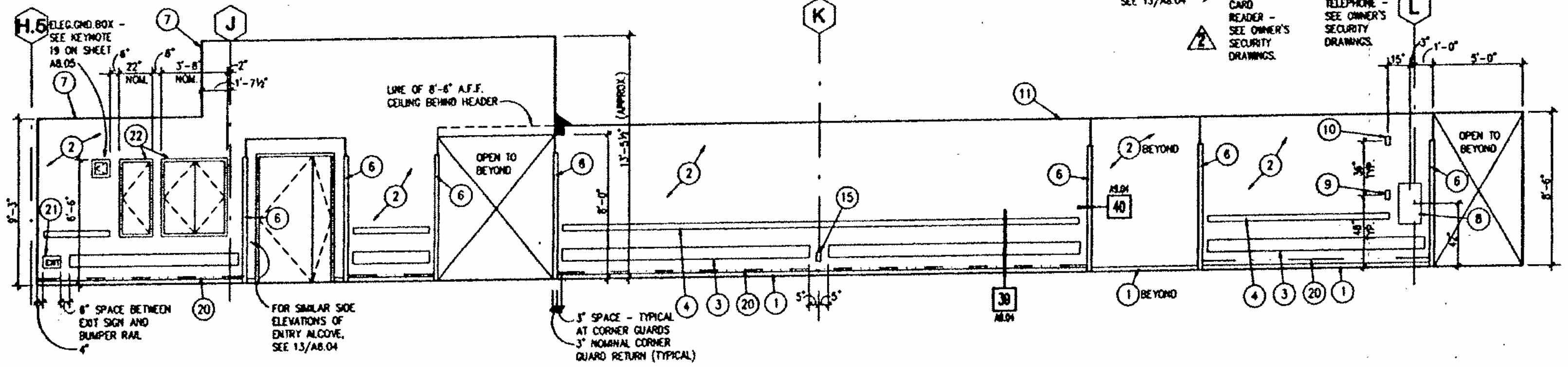
000664



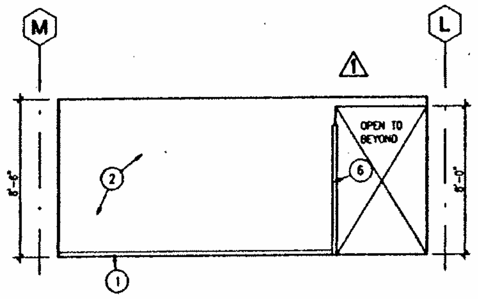
36 NORTH SERVICE CORRIDOR - SOUTH ELEVATION
GROUND FLOOR (RM. G-006)



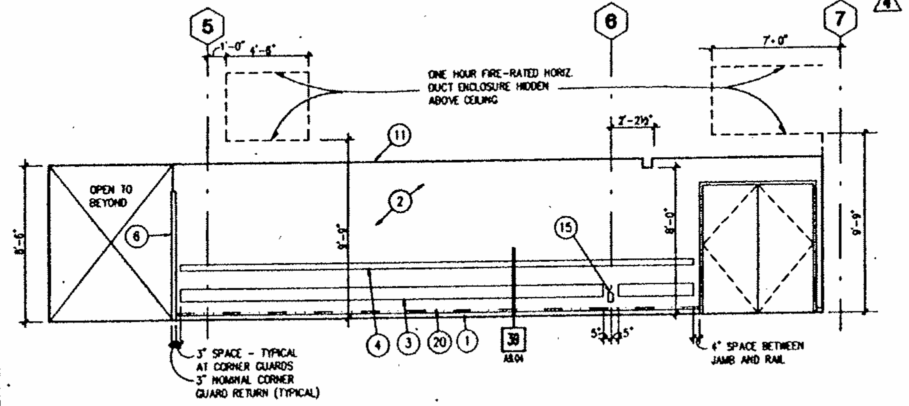
8 SERVICE CORRIDOR - NORTH ELEVATION
GROUND FLOOR (RM. G-008)



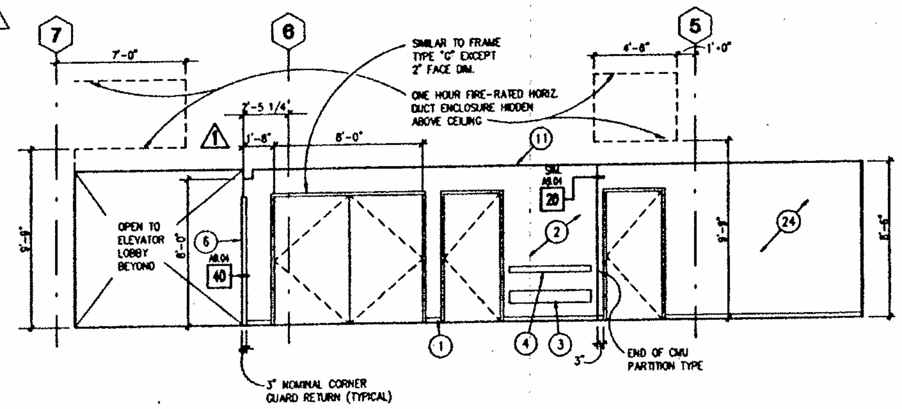
37 NORTH SERVICE CORRIDOR - NORTH ELEVATION
GROUND FLOOR (RM. 006)



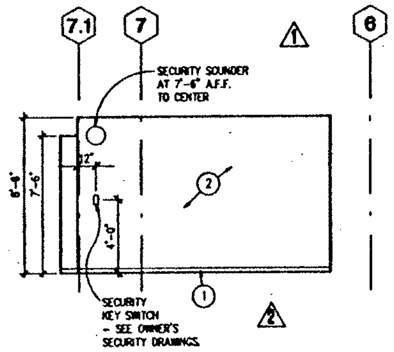
7 SERVICE CORRIDOR - SOUTH ELEVATION
GROUND FLOOR (RM. G-008)



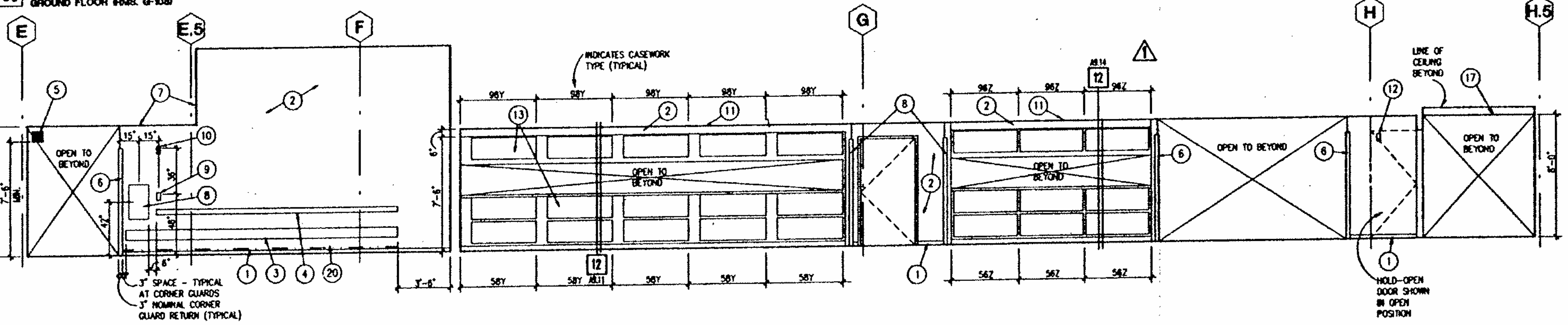
38 SERVICE CORRIDOR - WEST ELEVATION
GROUND FLOOR (RMS. G-108)



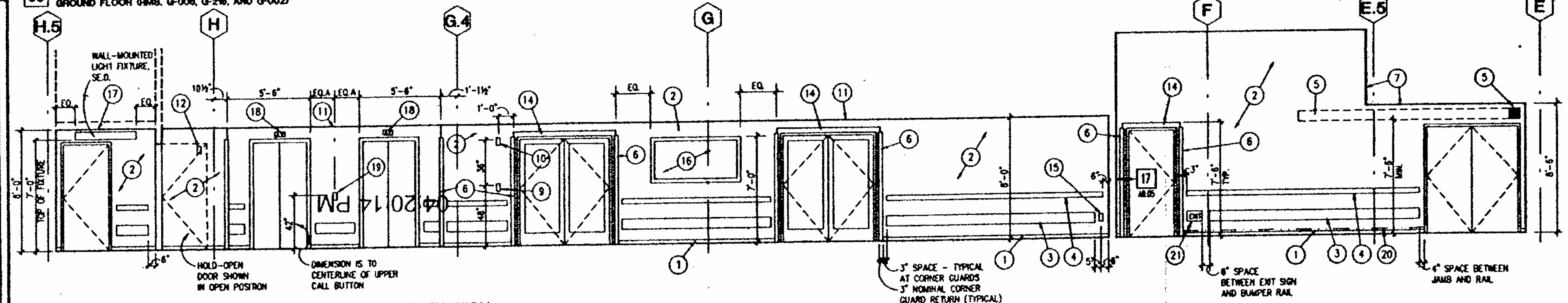
18 SERVICE CORRIDOR - EAST ELEVATION
GROUND FLOOR (RM. G-008)



8 SERVICE CORRIDOR - EAST ELEVATION
GROUND FLOOR (RM. G-009)



39 RECEIVING/DISTRIBUTION CORRIDOR - NORTH ELEVATION
GROUND FLOOR (RMS. G-006, G-216, AND G-002)



40 RECEIVING/DISTRIBUTION CORRIDOR - SOUTH ELEVATION
GROUND FLOOR (RMS. G-006, G-216, AND G-002)

DWG. FILE : 00005706 / A8.06 / 13 SEP 91

SHEET NOTES

1. THE PURPOSE OF THIS SHEET IS TO ILLUSTRATE THE OVERALL CONFIGURATION OF ALL ITEMS OF ALL TRADES LOCATED ON EACH OF THE PROVIDED INTERIOR ELEVATIONS. LOCATIONS SHOWN ON THE ELECTRICAL, MECHANICAL, AND PLUMBING DRAWINGS ARE SCHEMATIC AND THE DIMENSIONS SHOWN HERE TAKE PRECEDENCE.
2. THE TYPICAL ARRANGEMENTS AND CONFIGURATIONS SHOWN HERE SHOULD BE USED AS A GUIDE FOR LOCATING SIMILAR ITEMS ON WALLS FOR WHICH NO INTERIOR ELEVATIONS ARE PROVIDED.
3. FOR ADDITIONAL INTERIOR ELEVATION INFORMATION, REFER TO THE BUILDING/WALL SECTIONS OF THE A8 SERIES DRAWINGS. WHERE BOTH THE A8 SERIES AND THE A8 SERIES SHOW THE SAME INTERIOR ELEVATION, THE INFORMATION PROVIDED ON THE A8 SERIES DRAWINGS SHALL GOVERN.
4. MOUNTING LOCATIONS AND HEIGHTS:
   - A. WHERE HORIZONTAL DIMENSIONS ARE NOT SHOWN ON THE INTERIOR ELEVATIONS, REFER FIRST TO THE ARCHITECTURAL FLOOR PLANS. IF NOT DIMENSIONED ON THE FLOOR PLANS, REFER SECOND TO THE APPLICABLE TYPICAL MOUNTING CONFIGURATION DETAILS. IF NOT DIMENSIONED BY THE ARCHITECT, REFER TO THE APPLICABLE LABORATORY, ELECTRICAL, MECHANICAL, OR PLUMBING DRAWINGS FOR DIMENSION. FINALLY, IF NO DIMENSION IS PROVIDED, PLACE AT APPROXIMATE LOCATION SHOWN ON INTERIOR ELEVATION.
   - B. WHERE VERTICAL DIMENSIONS ARE NOT SHOWN ON THE INTERIOR ELEVATIONS, REFER FIRST TO THE APPLICABLE TYPICAL MOUNTING CONFIGURATION DETAILS. IF NOT DIMENSIONED BY THE ARCHITECT, REFER TO THE APPLICABLE LABORATORY, ELECTRICAL, MECHANICAL, OR PLUMBING DRAWING FOR DIMENSION. FINALLY, IF NO DIMENSION IS PROVIDED, PLACE AT APPROXIMATE LOCATION SHOWN ON INTERIOR ELEVATION.
5. FOR ADDITIONAL INFORMATION REGARDING ARCHITECTURAL FINISHES OF SPACES INDICATED ON THIS SHEET, REFER TO FINISH CODES SHOWN ON THE FLOOR PLANS AND ARCHITECTURAL FINISH SCHEDULE.
6. FOR ADDITIONAL NOTES WHICH ARE APPLICABLE TO THIS SHEET, REFER TO "GENERAL NOTES" ON SHEET A0.01.

KEY NOTES

1. BASE - SEE ARCHITECTURAL FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
2. PAINTED GYPSUM BOARD WALL - SEE ARCHITECTURAL FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
3. BUMPER RAIL AT 16 INCHES A.F.F. TO CENTER - FOR TYPICAL MOUNTING, SEE DETAIL ON SHEET A9.04.
4. RUB RAIL AT 34 INCHES A.F.F. TO CENTER - FOR TYPICAL MOUNTING, SEE DETAIL ON SHEET A9.04.
5. PATH OF ELECTRICAL BUS DUCT SHOWN FOR COORDINATION PURPOSES - FOR ADDITIONAL INFORMATION, SEE ELECTRICAL DRAWINGS.
6. CORNER GUARD EXTENDS FROM FLOOR TO 7'-6" A.F.F. SEE SHEET A9.04 FOR TYPICAL MOUNTING DETAIL.
7. PAINTED ONE-HOUR FIRE-RATED HORIZONTAL GYPSUM BOARD AND METAL STUD DUCT ENCLOSURE OVER CORRIDOR AND EXTENDING TO FIRE RATED STRUCTURE ABOVE - SEE SECTION 3305(G)2 AND SECTION 4306(J) OF THE 1990 LABC. TAPE, SAND, AND PAINT ALL SURFACES OF THE ENCLOSURE WHICH ARE EXPOSED TO VIEW. FOR TYPICAL DETAIL, SEE SHEET A8.04.
8. SEMI-RECESSED FIRE EXTINGUISHER CABINET (F.E.C.) MOUNTED AT 42 INCHES A.F.F. TO CENTERLINE. WHERE APPLICABLE, SEE SHEET A9.04 FOR TYPICAL FIRE-RATED RECESS CONSTRUCTION DETAILS.
9. MANUAL FIRE-ALARM PULL STATION - FOR ADDITIONAL INFORMATION, SEE ELECTRICAL DRAWINGS.
10. AUDIBLE AND VISIBLE FIRE ALARM - SEE ELECTRICAL DRAWINGS.
11. LAY-IN ACOUSTIC PANEL CEILING. FOR ADDITIONAL INFORMATION REFER TO REFLECTED CEILING PLAN ON SHEET A3.01 AND ARCHITECTURAL FINISH SCHEDULE.
12. MAGNETIC HOLD-OPEN DOOR DEVICE - SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
13. RECEIVING COUNTER - FOR ADDITIONAL INFORMATION, SEE MODULAR CASEWORK SCHEDULE.
14. SEAL AND PAINT CAST-IN-PLACE CONCRETE EXPOSED TO VIEW BETWEEN DOOR JAMB/HEAD AND GYPSUM DRYWALL FURRING. FOR TYPICAL JAMB/HEAD DETAIL, SEE TYPICAL DOOR OPENINGS DETAIL SHEET.
15. ELECTRICAL OUTLET AT 12 INCHES A.F.F. TO CENTER - FOR ADDITIONAL INFORMATION, SEE ELECTRICAL DRAWINGS.
16. WALL-MOUNTED TACKBOARD (TYPE TWO - 36" X 72"). REFER TO BOOK OF SPECIFICATION FOR DIMENSIONS AND ADDITIONAL INFORMATION REGARDING MOUNTING OF TACKBOARD
17. PAINTED ONE-HOUR FIRE-RATED HORIZONTAL GYPSUM BOARD AND METAL STUD DUCT ENCLOSURE OVER CORRIDOR AND EXTENDING TO FIRE-RATED STRUCTURE ABOVE - ENCLOSURE IS A CONTINUATION OF ENCLOSURE HIDDEN ABOVE FINISH CEILING NOTED BY DETAIL INTERIOR ELEVATIONS 20/A8.04 AND 43/A8.04.
18. ELEVATOR HALL LANTERN CENTERED OVER HOISTWAY DOOR (TYPICAL). FOR TYPICAL ELEVATOR DETAILS, SEE SHEET A7.07.
19. ELEVATOR CALL BUTTON MOUNTED WITH UPPER BUTTON AT 42 INCHES A.F.F. FOR TYPICAL ELEVATOR DETAILS, SEE SHEET A7.07
20. LOW LEVEL EXIT PATH MARKING DEVICE (CONFORM WITH SECTION 3314(F) OF THE 1990 LABC). FOR MOUNTING AND HEIGHT, SEE DETAIL ON SHEET A9.04.
21. LOW LEVEL EXIT SIGN (CONFORM WITH SECTION 3314(E) OF THE 1990 LABC) MOUNTED AS SHOWN ON WALL ADJACENT TO EXIT DOOR FRAME.
22. SURFACE-MOUNTED ELECTRICAL PANEL BOXES PLACED SO BOTTOM OF BOX (LEADING EDGE) IS LESS THAN 27" FROM FLOOR LEVEL (SEE SECTION 522(F)1 OF TITLE 24 CCR). FOR ADDITIONAL INFORMATION, SEE ELECTRICAL DRAWINGS.
23. RECESSED METAL LOCKERS. FACE OF LOCKERS IS FLUSH WITH ADJACENT WALL. SEE SHEET A9.04 FOR TYPICAL DETAILS.
24. SEALED AND PAINTED CONCRETE MASONRY UNIT (CMU) WALL - SEE ARCHITECTURAL FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
25. DRINKING FOUNTAIN (CONFORM WITH SECTION 1507 OF TITLE 24 CCR FOR MOUNTING HEIGHT AND CLEARANCES. FOR ADDITIONAL INFORMATION, REFER TO THE PLUMBING DRAWINGS.
26. EMERGENCY POWER OFF SWITCH - SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
27. PLACE EXIT SIGN AT 8'-0" ABOVE FINISH FLOOR TO CENTER AND CENTERED OVER EXIT DOOR BELOW.
28. SURFACE-MOUNTED ELECTRICAL GROUND BOX - SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION. FACE OF BOX SHALL PROJECT 4 INCHES OR LESS FROM SURFACE OF WALL (SEE SECTION 522(E)1 OF TITLE 24 CCR).

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Laboratory Electrical Engineer

Revisions

No.		Date
1	ADDENDUM NO. 1	5-10-91
2	ADDENDUM NO. 2	6-10-91
3	BULLETIN NO. 1	11-11-91
4	BULLETIN NO. 2	1-24-92

Regional Reference Laboratory
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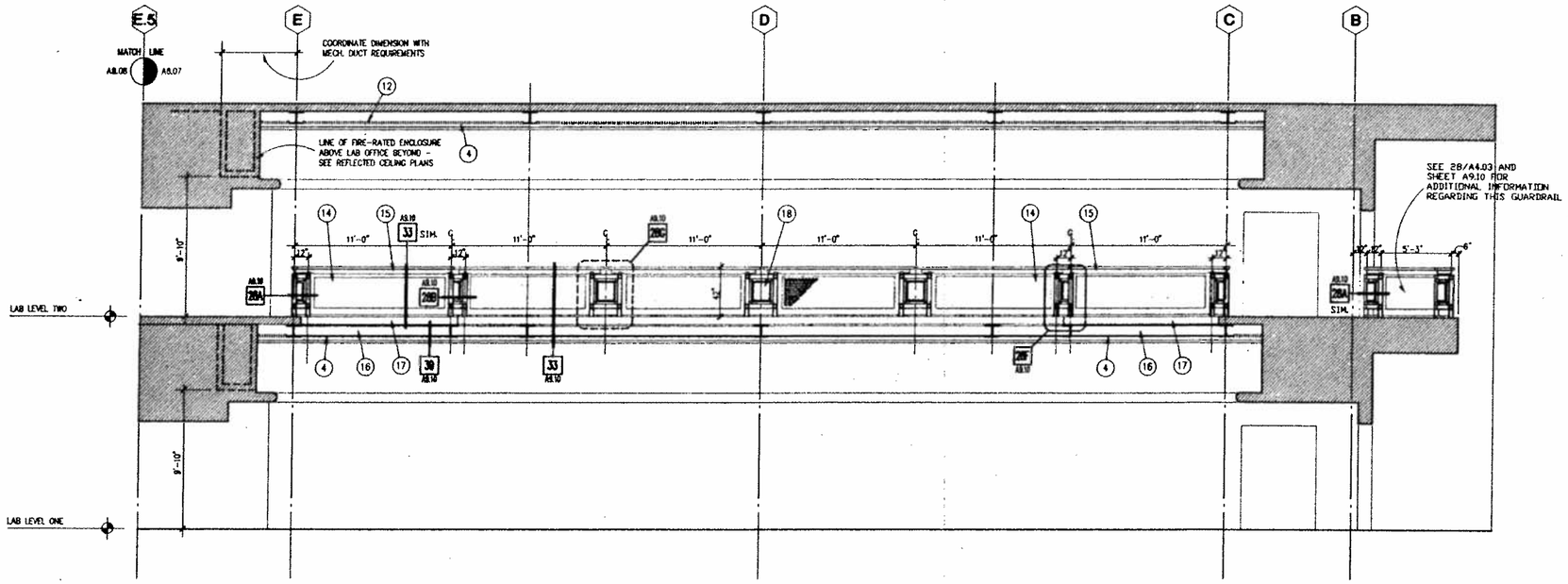
Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

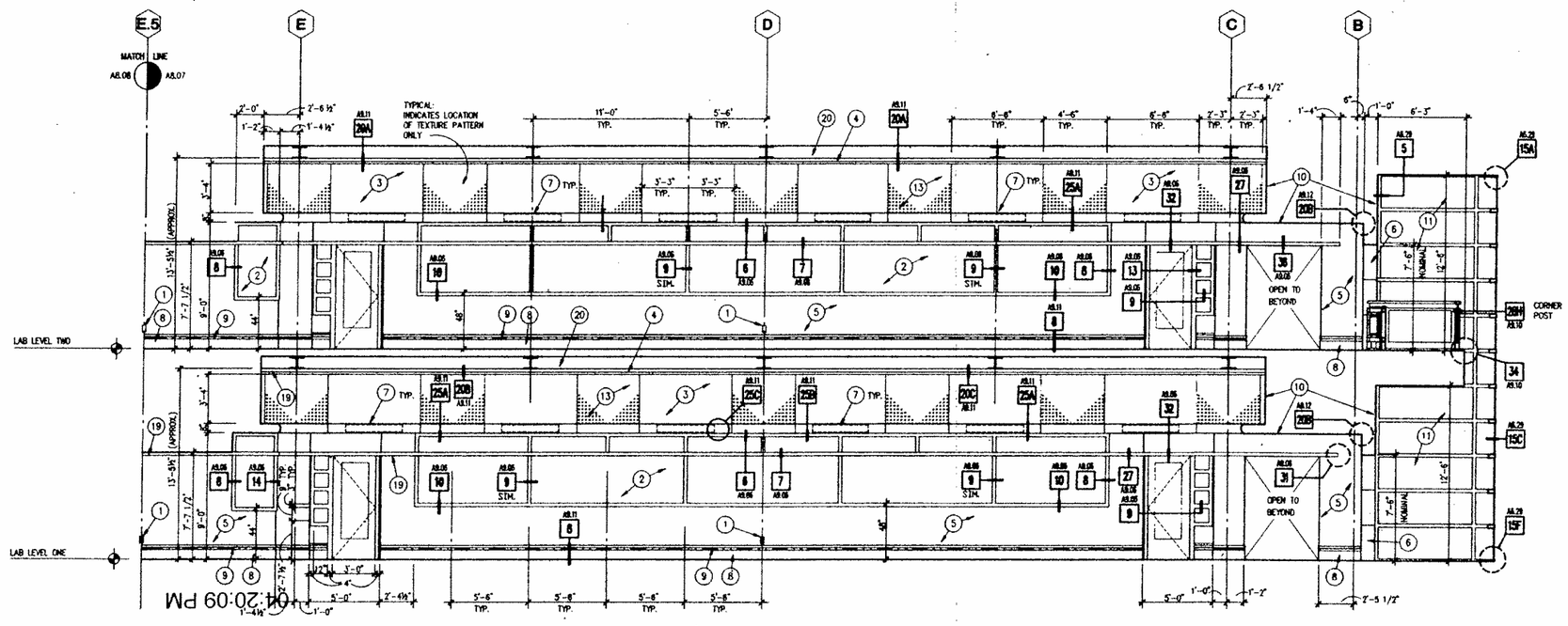
INTERIOR ELEVATIONS CORRIDORS

SCALE: 1/4 INCH EQUALS 1 FOOT

Project No.		Drawing No.
19210.01	B2 BULLETIN	A8.06
Date 10 MAY 91		



38 PERSONNEL GALLERY GUARD RAIL - SOUTH ELEVATION
WEST SECTION



40 PERSONNEL GALLERY - SOUTH ELEVATION
WEST SECTION

SHEET NOTES

1. THE PURPOSE OF THIS SHEET IS TO ILLUSTRATE THE OVERALL CONFIGURATION OF ALL ITEMS OF ALL TRADES LOCATED ON EACH OF THE PROVIDED INTERIOR ELEVATIONS. LOCATIONS SHOWN ON THE ELECTRICAL, MECHANICAL, AND PLUMBING DRAWINGS ARE SCHEMATIC AND THE DIMENSIONS SHOWN HERE TAKE PRECEDENCE.
2. THE TYPICAL ARRANGEMENTS AND CONFIGURATIONS SHOWN HERE SHOULD BE USED AS A GUIDE FOR LOCATING SIMILAR ITEMS ON WALLS FOR WHICH NO INTERIOR ELEVATIONS ARE PROVIDED.
3. FOR ADDITIONAL INTERIOR ELEVATION INFORMATION, REFER TO THE BUILDING/WALL SECTIONS OF THE A6 SERIES DRAWINGS. WHERE BOTH THE A6 SERIES AND THE A8 SERIES SHOW THE SAME INTERIOR ELEVATION, THE INFORMATION PROVIDED ON THE A8 SERIES DRAWINGS SHALL GOVERN.
4. MOUNTING LOCATIONS AND HEIGHTS:
   A. WHERE HORIZONTAL DIMENSIONS ARE NOT SHOWN ON THE INTERIOR ELEVATIONS, REFER FIRST TO THE ARCHITECTURAL FLOOR PLANS. IF NOT DIMENSIONED ON THE FLOOR PLANS, REFER SECOND TO THE APPLICABLE TYPICAL MOUNTING CONFIGURATION DETAILS. IF NOT DIMENSIONED BY THE ARCHITECT, REFER TO THE APPLICABLE LABORATORY, ELECTRICAL, MECHANICAL, OR PLUMBING DRAWINGS FOR DIMENSION. FINALLY, IF NO DIMENSION IS PROVIDED, PLACE AT APPROXIMATE LOCATION SHOWN ON INTERIOR ELEVATION.
   B. WHERE VERTICAL DIMENSIONS ARE NOT SHOWN ON THE INTERIOR ELEVATIONS, REFER FIRST TO THE APPLICABLE TYPICAL MOUNTING CONFIGURATION DETAILS. IF NOT DIMENSIONED BY THE ARCHITECT, REFER TO THE APPLICABLE LABORATORY, ELECTRICAL, MECHANICAL, OR PLUMBING DRAWING FOR DIMENSION. FINALLY, IF NO DIMENSION IS PROVIDED, PLACE AT APPROXIMATE LOCATION SHOWN ON INTERIOR ELEVATION.
6. FOR ADDITIONAL INFORMATION REGARDING ARCHITECTURAL FINISHES OF SPACES INDICATED ON THIS SHEET, REFER TO FINISH CODES SHOWN ON THE FLOOR PLANS AND ARCHITECTURAL FINISH SCHEDULE.
8. FOR ADDITIONAL NOTES WHICH ARE APPLICABLE TO THIS SHEET, REFER TO "GENERAL NOTES" ON SHEET A0.01.

KEY NOTES

1. ELECTRICAL OUTLET AT 12 INCHES A.F.F. TO CENTER - FOR ADDITIONAL INFORMATION, SEE ELECTRICAL DRAWINGS.
2. 1/4" WIRE-GLASS (GLAZING TYPE GL-8) AND PAINTED HOLLOW METAL FRAME WINDOW; AREA OF WINDOW OPENING CONFORMS WITH 3305(h)2 OF THE 1990 LABC:

   BETWEEN PERSONNEL GALLERY AND OFFICES:

   COMMON WALL (WORST CASE) = 184.46 SQ. FT. (3'-2" BY 8'-0" + 6'-5 1/2" BY 7'-7 1/2" + 8'-0" BY 14'-5 1/2")

   ALLOWABLE OPENING AREA = 41.12 SQ. FT.

   ACTUAL OPENING AREA = 32.89 SQ. FT.

   BETWEEN PERSONNEL GALLERY AND LABORATORY:

   COMMON WALL AREA = 1022.92 SQ. FT. (70'-9" BY 14'-5 1/2")

   ALLOWABLE OPENING AREA = 255.73 SQ. FT.

   ACTUAL OPENING AREA = 254.67 SQ. FT.

   ALTERNATE GLAZING TYPE: PENDING APPROVAL BY LOS ANGELES DEPT. OF BUILDING & SAFETY, USE CLEAR GLASS (GLAZING TYPE GL-7) IN LIEU OF WIRE GLASS.
3. PAINTED GLASS-FIBRE REINFORCED GYPSUM (G.F.R.G.) VAULT. SURFACE OF VAULT ALTERNATES WITH SMOOTH AND TEXTURED SEGMENTS. SEE SECTIONS ON SHEETS A8.03, A8.04, A6.07, AND A6.08 FOR DIMENSIONAL INFORMATION. COORDINATE HIDDEN SUPPORT LOCATIONS WITH MECHANICAL DIFFUSER REQUIREMENTS.
4. CONTINUOUS OPEN SLOT FOR HIDDEN MECHANICAL DIFFUSER.
5. PAINTED GYPSUM BOARD WALL - SEE ARCHITECTURAL FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
6. COMPOSITE METAL PANELS (TYPE 2 FOR INTERIOR USE).
7. CUSTOM-MOUNTED LIGHT FIXTURE - FOR ADDITIONAL INFORMATION, SEE ELECTRICAL DRAWINGS.
8. DOUBLE SEGMENT WOOD BASE - SEE ARCHITECTURAL FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
9. LOW LEVEL EXIT PATH MARKING DEVICE (CONFORM WITH SECTION 3314(f) OF THE 1990 LABC) MOUNTED BETWEEN TOP AND BOTTOM SEGMENTS OF WOOD BASE. FOR DETAIL, SEE PERSONNEL GALLERY DETAILS SHEET.
10. ONE HOUR FIRE-RATED HORIZONTAL GYPSUM BOARD AND METAL STUD DUCT ENCLOSURE OVER CORRIDOR AND EXTENDING TO FIRE-RATED STRUCTURE ABOVE - SEE SECTION 3305(g)2 AND SECTION 4305(j) OF THE 1990 LABC. PORTIONS OF DUCT ENCLOSURE ARE UTILIZED AS EXPOSED FINISH WALL OR CEILING - TAPE, SAND, AND PAINT ALL SURFACES EXPOSED TO VIEW. FOR TYPICAL DETAIL, SEE SHEET A8.04.
11. EXTERIOR GLASS AND ALUMINUM GLAZING SYSTEM SEEN FROM INTERIOR. FOR ADDITIONAL INFORMATION, SEE EXTERIOR ELEVATIONS.
12. WOOD GRID FINISH CEILING SYSTEM SET FLUSH WITH BOTTOM OF EXPOSED STRUCTURAL ELEMENTS (APPROX. 13'-9 1/2" ABOVE FINISH FLOOR). FOR ADDITIONAL INFORMATION REGARDING WOOD GRID FINISH CEILING SYSTEM, SEE FINISH SCHEDULE, REFLECTED CEILING PLANS, AND INDICATED DETAILS.
13. TEXTURED SEGMENT OF G.F.R.G. VAULT. SEE PERSONNEL GALLERY DETAILS SHEET FOR ADDITIONAL INFORMATION.
14. PERFORATED METAL INFILL PANEL PORTION OF BALCONY GUARDRAIL. SEE PERSONNEL GALLERY DETAILS SHEET FOR ADDITIONAL INFORMATION.
15. WOOD AND PAINTED STRUCTURAL STEEL T-SECTION TOP RAIL SEGMENT OF BALCONY GUARDRAIL. SEE PERSONNEL GALLERY DETAILS SHEET FOR ADDITIONAL INFORMATION.
16. PAINTED EXPOSED STRUCTURAL STEEL FRAMING AT EDGE OF BALCONY. SEE PERSONNEL GALLERY DETAILS SHEET FOR ADDITIONAL INFORMATION.
17. PAINTED WOOD TRIM PIECE. SEE PERSONNEL GALLERY DETAILS SHEET FOR ADDITIONAL INFORMATION.
18. PAINTED STEEL AND TEMPERED GLASS SUPPORT SEGMENT OF BALCONY GUARDRAIL. SEE PERSONNEL GALLERY DETAILS SHEET FOR ADDITIONAL INFORMATION.
19. 3 INCH HIGH BY 3 INCH DEEP (12 INCHES DEEP AT DOOR ALCOVE) PAINTED METAL TRIM PIECE. TRIM IS A CONTINUATION OF INTERMEDIATE WINDOW MULLION. SEE INDICATED DETAILS.
20. LINE OF HIDDEN BEAM FLANGE (LAB LEVEL ONE) OR CEILING SUPPORT FRAMING (LAB LEVEL TWO) ABOVE DIFFUSER SLOT.

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Revisions

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North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

INTERIOR ELEVATIONS PERSONNEL GALLERY

SCALE: 1/4 INCH EQUALS 1 FOOT

Project No.		Drawing No.
19210.01	B	A8.07
Date 01 APR 1991	BIDDING	

DWGN FILE : 00005707 / A8.07 / 28 MAR 91

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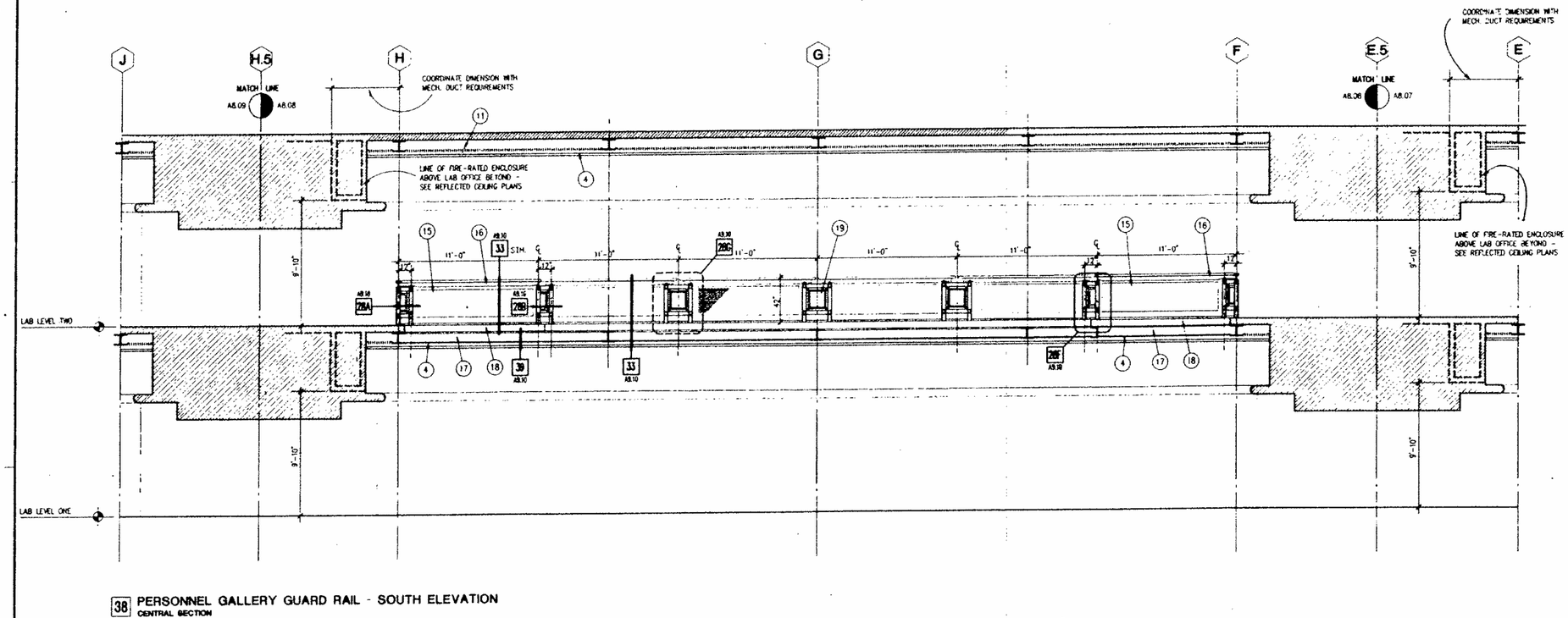
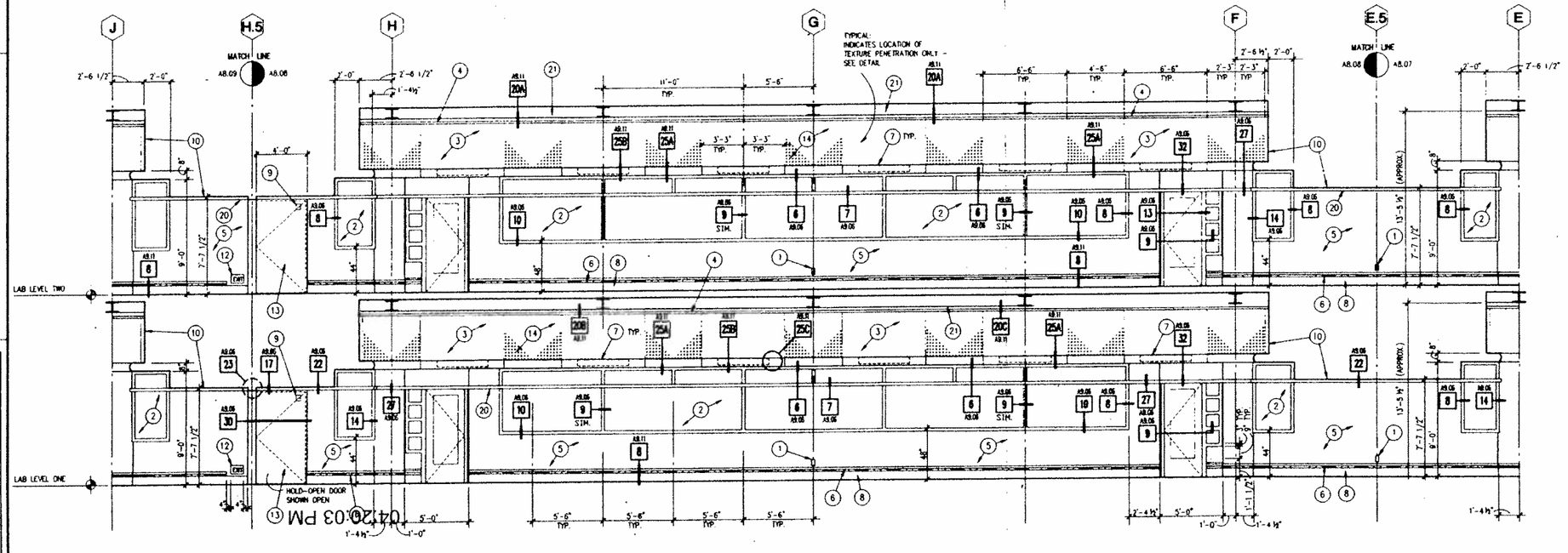


38 PERSONNEL GALLERY GUARD RAIL - SOUTH ELEVATION
CENTRAL SECTION



40 PERSONNEL GALLERY - SOUTH ELEVATION
CENTER SECTION

SHEET NOTES

1. THE PURPOSE OF THIS SHEET IS TO ILLUSTRATE THE OVERALL CONFIGURATION OF ALL ITEMS OF ALL TRADES LOCATED ON EACH OF THE PROVIDED INTERIOR ELEVATIONS. LOCATIONS SHOWN ON THE ELECTRICAL, MECHANICAL, AND PLUMBING DRAWINGS ARE SCHEMATIC AND THE DIMENSIONS SHOWN HERE TAKE PRECEDENCE.
2. THE TYPICAL ARRANGEMENTS AND CONFIGURATIONS SHOWN HERE SHOULD BE USED AS A GUIDE FOR LOCATING SIMILAR ITEMS ON WALLS FOR WHICH NO INTERIOR ELEVATIONS ARE PROVIDED.
3. FOR ADDITIONAL INTERIOR ELEVATION INFORMATION REFER TO THE BUILDING/WALL SECTIONS OF THE A6 SERIES DRAWINGS. WHERE BOTH THE A6 SERIES AND THE A8 SERIES SHOW THE SAME INTERIOR ELEVATION THE INFORMATION PROVIDED ON THE A8 SERIES DRAWINGS SHALL GOVERN.
4. MOUNTING LOCATIONS AND HEIGHTS
   - A. WHERE HORIZONTAL DIMENSIONS ARE NOT SHOWN ON THE INTERIOR ELEVATIONS, REFER FIRST TO THE ARCHITECTURAL FLOOR PLANS. IF NOT DIMENSIONED ON THE FLOOR PLANS, REFER SECOND TO THE APPLICABLE TYPICAL MOUNTING CONFIGURATION DETAILS. IF NOT DIMENSIONED BY THE ARCHITECT, REFER TO THE APPLICABLE LABORATORY, ELECTRICAL, MECHANICAL, OR PLUMBING DRAWINGS FOR DIMENSION. FINALLY, IF NO DIMENSION IS PROVIDED, PLACE AT APPROXIMATE LOCATION SHOWN ON INTERIOR ELEVATION.
   - B. WHERE VERTICAL DIMENSIONS ARE NOT SHOWN ON THE INTERIOR ELEVATIONS, REFER FIRST TO THE APPLICABLE TYPICAL MOUNTING CONFIGURATION DETAILS. IF NOT DIMENSIONED BY THE ARCHITECT, REFER TO THE APPLICABLE LABORATORY, ELECTRICAL, MECHANICAL, OR PLUMBING DRAWING FOR DIMENSION. FINALLY, IF NO DIMENSION IS PROVIDED, PLACE AT APPROXIMATE LOCATION SHOWN ON INTERIOR ELEVATION.
5. FOR ADDITIONAL INFORMATION REGARDING ARCHITECTURAL FINISHES OF SPACES INDICATED ON THIS SHEET, REFER TO FINISH CODES SHOWN ON THE FLOOR PLANS AND ARCHITECTURAL FINISH SCHEDULE.
6. FOR ADDITIONAL NOTES WHICH ARE APPLICABLE TO THIS SHEET, REFER TO "GENERAL NOTES" ON SHEET A0.01.

KEY NOTES

1. ELECTRICAL OUTLET AT 12 INCHES A.F.F. TO CENTER - FOR ADDITIONAL INFORMATION, SEE ELECTRICAL DRAWINGS.
2. 1/4" WIRE-GLASS (GLAZING TYPE GL-8) AND PAINTED HOLLOW METAL FRAME WINDOW. AREA OF WINDOW OPENING CONFORMS WITH 3205(b)2 OF THE 1990 LABC.

   BETWEEN PERSONNEL GALLERY AND OFFICES

   COMMON WALL (WORST CASE) = 164.48 SQ. FT. (3'-2" BY 9'-0" + 8'-5 1/2" BY 7'-7 1/2" + 6'-0" BY 14'-5 1/2")

   ALLOWABLE OPENING AREA = 41.12 SQ. FT.

   ACTUAL OPENING AREA = 32.00 SQ. FT.

   BETWEEN PERSONNEL GALLERY AND LABORATORY

   COMMON WALL AREA = 1022.92 SQ. FT. (70'-9" BY 14'-5 1/2")

   ALLOWABLE OPENING AREA = 255.73 SQ. FT.

   ACTUAL OPENING AREA = 254.67 SQ. FT.

   ALTERNATE GLAZING TYPE, PENDING APPROVAL BY LOS ANGELES DEPT. OF BUILDING & SAFETY: USE CLEAR GLASS (GLAZING TYPE GL-7) IN LIEU OF WIRE GLASS.
3. PAINTED GLASS-FIBRE REINFORCED GYPSUM (G.F.R.G.) VAULT. SURFACE OF VAULT ALTERNATES WITH SMOOTH AND TEXTURED SEGMENTS. SEE SECTIONS ON SHEETS A8.03, A8.04, A6.07, AND A6.08 FOR DIMENSIONAL INFORMATION. COORDINATE HIDDEN SUPPORT LOCATIONS WITH MECHANICAL DIFFUSER REQUIREMENTS.
4. CONTINUOUS OPEN SLOT FOR HIDDEN MECHANICAL DIFFUSER.
5. PAINTED GYPSUM BOARD WALL. SEE ARCHITECTURAL FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
6. LOW LEVEL EXIT PATH MARKING DEVICE (CONFORM WITH SECTION 3314(F) OF THE 1990 LABC) MOUNTED BETWEEN TOP AND BOTTOM SEGMENTS OF WOOD BASE. FOR DETAIL, SEE PERSONNEL GALLERY DETAILS SHEET.
7. CUSTOM MOUNTED LIGHT FIXTURE - FOR ADDITIONAL INFORMATION, SEE ELECTRICAL DRAWINGS.
8. DOUBLE SEGMENT WOOD BASE - SEE ARCHITECTURAL FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
9. MAGNETIC HOLD-OPEN DOOR DEVICE - SEE ELECTRICAL DRAWINGS.
10. ON-HOUR FIRE-RATED HORIZONTAL GYPSUM BOARD AND METAL STUD DUCT ENCLOSURE OVER CORRIDOR AND EXTENDING TO FIRE-RATED STRUCTURE ABOVE - SEE SECTIONS 3205(G)2 AND 4306(J) OF THE 1998 LABC. PORTIONS OF DUCT ENCLOSURE ARE UTILIZED AS EXPOSED FINISH WALL OR CEILING - TAPE, SAND, AND PAINT ALL SURFACES EXPOSED TO VIEW. SEE SECTIONS ON SHEETS A5.15, A6.16, AND A6.17 FOR ADDITIONAL INFORMATION. FOR TYPICAL DETAIL, SEE SHEET A9.04.
11. WOOD GRID CEILING SYSTEM SET FLUSH WITH BOTTOM OF EXPOSED STRUCTURAL ELEMENTS (APPROX. 13'-5 1/2" ABOVE FINISH FLOOR). FOR ADDITIONAL INFORMATION REGARDING FINISH CEILING SYSTEM, SEE FINISH SCHEDULE, REFLECTED CEILING PLANS, AND INDICATED DETAILS.
12. LOW LEVEL EXIT SIGN (CONFORM WITH SECTION 3314(E) OF THE 1990 LABC) MOUNTED AS SHOWN ON WALL ADJACENT TO EXIT DOOR FRAME.
13. HOLD-OPEN DOOR POCKET. SEE TYPICAL DOOR OPENING DETAILS SHEET FOR ADDITIONAL INFORMATION.
14. TEXTURED SEGMENT OF G.F.R.G. VAULT. SEE PERSONNEL GALLERY DETAILS SHEET FOR ADDITIONAL INFORMATION.
15. PERFORATED METAL INFILL PANEL PORTION OF BALCONY GUARDRAIL. SEE PERSONNEL GALLERY DETAILS SHEET FOR ADDITIONAL INFORMATION.
16. WOOD AND PAINTED STRUCTURAL STEEL T-SECTION TOP RAIL SEGMENT OF BALCONY GUARDRAIL. SEE PERSONNEL GALLERY DETAILS SHEET FOR ADDITIONAL INFORMATION.
17. PAINTED EXPOSED STRUCTURAL STEEL FRAMING AT EDGE OF BALCONY. SEE STRUCTURAL DRAWINGS AND PERSONNEL GALLERY DETAILS SHEET FOR ADDITIONAL INFORMATION.
18. PAINTED WOOD TRIM PIECE. SEE PERSONNEL GALLERY DETAILS SHEET FOR ADDITIONAL INFORMATION.
19. PAINTED STEEL AND TEMPERED GLASS SUPPORT SEGMENT OF BALCONY GUARDRAIL. SEE PERSONNEL GALLERY DETAILS SHEET FOR ADDITIONAL INFORMATION.
20. 3 INCH HIGH BY 3 INCH DEEP (12 INCHES DEEP AT DOOR ALCOVE) PAINTED METAL TRIM PIECE. TRIM IS A CONTINUATION OF INTERMEDIATE WINDOW MULLION. SEE INDICATED DETAILS.
21. LINE OF HIDDEN BEAM FLANGE (LAB LEVEL ONE) OR CEILING SUPPORT FRAMING (LAB LEVEL TWO) ABOVE DIFFUSER SLOT.

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Revisions

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North Hollywood - Los Angeles, California

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Kaiser Permanente Medical Care Program
Southern California Region

INTERIOR ELEVATIONS PERSONNEL GALLERY

SCALE: 1/4 INCH EQUALS 1 FOOT

Project No.		Drawing No.
19210.01	B	A8.08
Date 31 APR. 1991	BIDDING	

DWG. FILE : 00005708 / A8.08 /28 MAR 91

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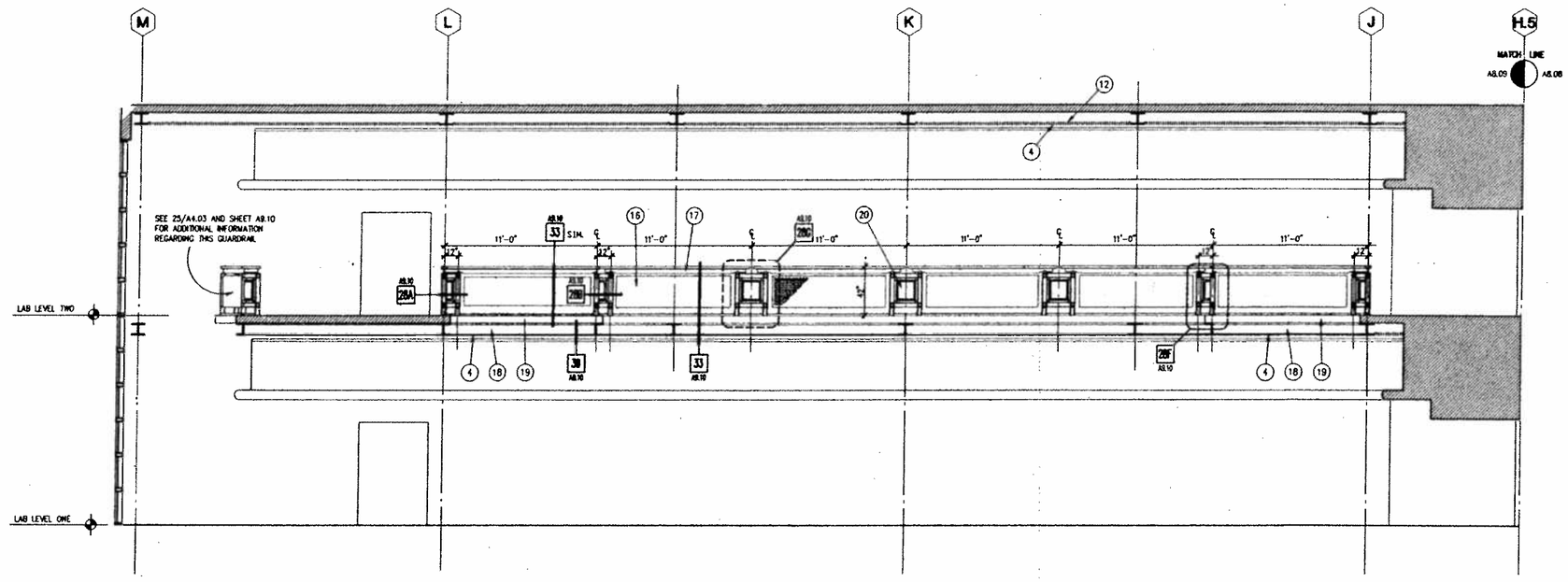
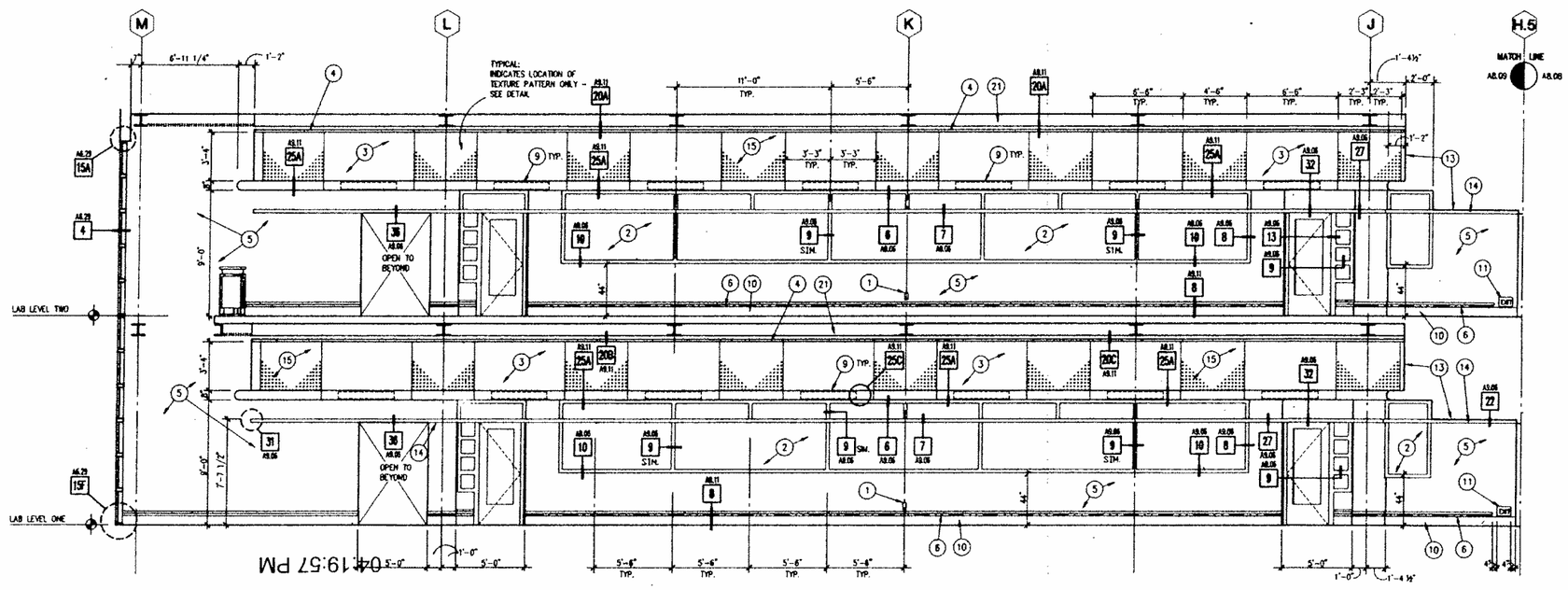


38 PERSONNEL GALLERY GUARD RAIL - SOUTH ELEVATION
EAST SECTION



40 PERSONNEL GALLERY - SOUTH ELEVATION
EAST SECTION

SHEET NOTES

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3. FOR ADDITIONAL INTERIOR ELEVATION INFORMATION, REFER TO THE BUILDING/WALL SECTIONS OF THE A6 SERIES DRAWINGS. WHERE BOTH THE A6 SERIES AND THE A8 SERIES SHOW THE SAME INTERIOR ELEVATION, THE INFORMATION PROVIDED ON THE A8 SERIES DRAWINGS SHALL GOVERN.
4. MOUNTING LOCATIONS AND HEIGHTS:
   A. WHERE HORIZONTAL DIMENSIONS ARE NOT SHOWN ON THE INTERIOR ELEVATIONS, REFER FIRST TO THE ARCHITECTURAL FLOOR PLANS. IF NOT DIMENSIONED ON THE FLOOR PLANS, REFER SECOND TO THE APPLICABLE TYPICAL MOUNTING CONFIGURATION DETAILS. IF NOT DIMENSIONED BY THE ARCHITECT, REFER TO THE APPLICABLE LABORATORY, ELECTRICAL, MECHANICAL, OR PLUMBING DRAWINGS FOR DIMENSIONS. FINALLY, IF NO DIMENSION IS PROVIDED, PLACE AT APPROXIMATE LOCATION SHOWN ON INTERIOR ELEVATION.
   B. WHERE VERTICAL DIMENSIONS ARE NOT SHOWN ON THE INTERIOR ELEVATIONS, REFER FIRST TO THE APPLICABLE TYPICAL MOUNTING CONFIGURATION DETAILS. IF NOT DIMENSIONED BY THE ARCHITECT, REFER TO THE APPLICABLE LABORATORY, ELECTRICAL, MECHANICAL, OR PLUMBING DRAWING FOR DIMENSION. FINALLY, IF NO DIMENSION IS PROVIDED, PLACE AT APPROXIMATE LOCATION SHOWN ON INTERIOR ELEVATION.
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6. FOR ADDITIONAL NOTES WHICH ARE APPLICABLE TO THIS SHEET, REFER TO "GENERAL NOTES" ON SHEET A0.01.

KEY NOTES

1. ELECTRICAL OUTLET AT 12 INCHES A.F.F. TO CENTER - FOR ADDITIONAL INFORMATION, SEE ELECTRICAL DRAWINGS.
2. 1/4" WIRE GLASS (GLAZING TYPE GL-8) AND PAINTED HOLLOW METAL FRAME WINDOW. AREA OF WINDOW OPENING CONFORMS WITH 3305(g)2 OF THE 1990 UBC:

   BETWEEN PERSONNEL GALLERY AND OFFICES:

   COMMON WALL (WORST CASE) = 164.49 SQ. FT. (3'-2" BY 9'-0" + 8'-5 1/2" BY 7'-7 1/2" + 6'-0" BY 14'-5 1/2")

   ALLOWABLE OPENING AREA = 41.12 SQ. FT.

   ACTUAL OPENING AREA = 32.89 SQ. FT.

   BETWEEN PERSONNEL GALLERY AND LABORATORY:

   COMMON WALL AREA = 1022.92 SQ. FT. (70'-9" BY 14'-5 1/2")

   ALLOWABLE OPENING AREA = 255.73 SQ. FT.

   ACTUAL OPENING AREA = 254.87 SQ. FT.

   ALTERNATE GLAZING TYPE PENDING APPROVAL BY LOS ANGELES DEPT. OF BUILDING & SAFETY: USE CLEAR GLASS (GLAZING TYPE GL-7) IN LIEU OF WIRE GLASS.
3. PAINTED GLASS-FIBRE REINFORCED GYPSUM (G.F.R.G.) VAULT. SURFACE OF VAULT ALTERNATES WITH SMOOTH AND TEXTURED SEGMENTS. SEE SECTIONS ON SHEETS A6.03, A6.04, A6.07, AND A6.08 FOR DIMENSIONAL INFORMATION. COORDINATE HIDDEN SUPPORT LOCATIONS WITH MECHANICAL DIFFUSER REQUIREMENTS.
4. CONTINUOUS OPEN SLOT FOR HIDDEN MECHANICAL DIFFUSER.
5. PAINTED GYPSUM BOARD WALL - SEE ARCHITECTURAL FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
6. LOW LEVEL EXIT PATH MARKING DEVICE (CONFORM WITH SECTION 3314(F) OF THE 1990 UBC) MOUNTED BETWEEN TOP AND BOTTOM SEGMENTS OF WOOD BASE. FOR DETAIL, SEE PERSONNEL GALLERY DETAILS SHEET.
7. NOT USED.
8. NOT USED.
9. CUSTOM-MOUNTED LIGHT FIXTURE - FOR ADDITIONAL INFORMATION, SEE ELECTRICAL DRAWINGS.
10. DOUBLE SEGMENT WOOD BASE - SEE ARCHITECTURAL FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
11. LOW LEVEL EXIT SIGN (CONFORM WITH SECTION 3314(E) OF THE 1990 UBC) MOUNTED AS SHOWN ON WALL ADJACENT TO DOOR. BOTTOM OF SIGN IS 8 INCHES ABOVE FINISH FLOOR LEVEL.
12. WOOD GRID CEILING SYSTEM SET FLUSH WITH BOTTOM OF EXPOSED STRUCTURAL ELEMENTS (APPROX. 13'-5 1/2" ABOVE FINISH FLOOR). TRIM GRID AS REQUIRED BETWEEN LINES "L" AND "M" TO CLEAR W10 BEAMS AT LAB LEVEL TWO FRAMING - SEE STRUCTURAL DRAWINGS. FOR ADDITIONAL INFORMATION REGARDING FINISH CEILING SYSTEM, SEE FINISH SCHEDULE, REFLECTED CEILING PLANS, AND INDICATED DETAILS.
13. OH-HOUR FIRE-RATED HORIZONTAL GYPSUM BOARD AND METAL STUD DUCT ENCLOSURE OVER CORRIDOR AND EXTENDING TO FIRE-RATED STRUCTURE ABOVE - SEE SECTIONS 3305(g)2 AND 4306(J) OF THE 1990 UBC. PORTIONS OF DUCT ENCLOSURE ARE UTILIZED AS EXPOSED FINISH WALL OR CEILING - TAPE, SAND, AND PAINT ALL SURFACES EXPOSED TO VIEW. SEE SECTIONS ON SHEETS A6.15, A6.16, AND A6.17 FOR ADDITIONAL INFORMATION. FOR TYPICAL DETAIL, SEE SHEET A9.04.
14. 3 INCH HIGH BY 3 INCH DEEP (12 INCHES DEEP AT DOOR ALCOVE) PAINTED METAL TRIM PIECE. TRIM IS A CONTINUATION OF INTERMEDIATE WINDOW MULLION. SEE INDICATED DETAILS.
15. TEXTURED SEGMENT OF G.F.R.G. VAULT. SEE PERSONNEL GALLERY DETAILS SHEET FOR ADDITIONAL INFORMATION.
16. PERFORATED METAL INFILL PANEL PORTION OF BALCONY GUARDRAIL. SEE PERSONNEL GALLERY DETAILS SHEET FOR ADDITIONAL INFORMATION.
17. WOOD AND PAINTED STRUCTURAL STEEL T-SECTION TOP RAIL SEGMENT OF BALCONY GUARDRAIL. SEE PERSONNEL GALLERY DETAILS SHEET FOR ADDITIONAL INFORMATION.
18. PAINTED EXPOSED STRUCTURAL STEEL FRAMING AT EDGE OF BALCONY. SEE STRUCTURAL DRAWINGS AND PERSONNEL GALLERY DETAILS SHEET FOR ADDITIONAL INFORMATION.
19. PAINTED WOOD TRIM PIECE. SEE PERSONNEL GALLERY DETAILS SHEET FOR ADDITIONAL INFORMATION.
20. PAINTED STEEL AND TEMPERED GLASS SUPPORT SEGMENT OF BALCONY GUARDRAIL. SEE PERSONNEL GALLERY DETAILS SHEET FOR ADDITIONAL INFORMATION.
21. LINE OF HIDDEN BEAM FLANGE (LAB LEVEL ONE) OR CEILING SUPPORT FRAMING (LAB LEVEL TWO) ABOVE DIFFUSER SLOT.

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Revisions

No.	Date

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North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

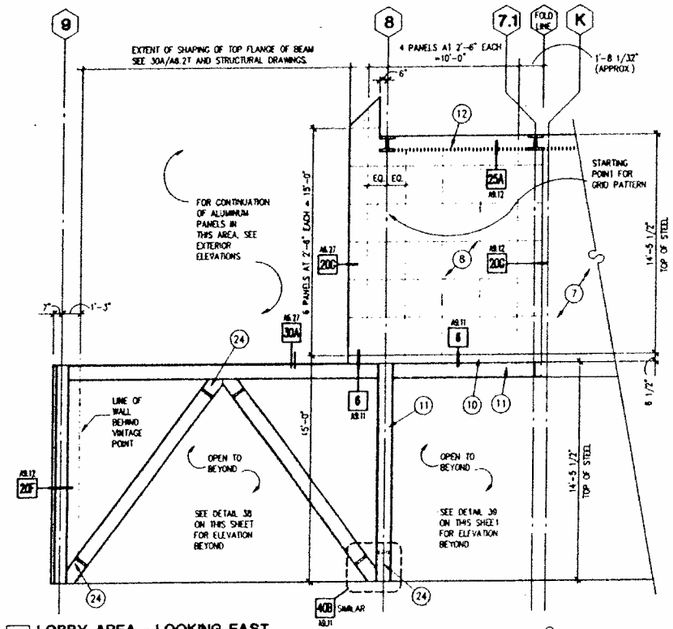
INTERIOR ELEVATIONS PERSONNEL GALLERY

SCALE: 1/4 INCH EQUALS 1 FOOT

Project No.		Drawing No.
19210.01	B	A8.09
Date 01 APR 1991	BIDDING	

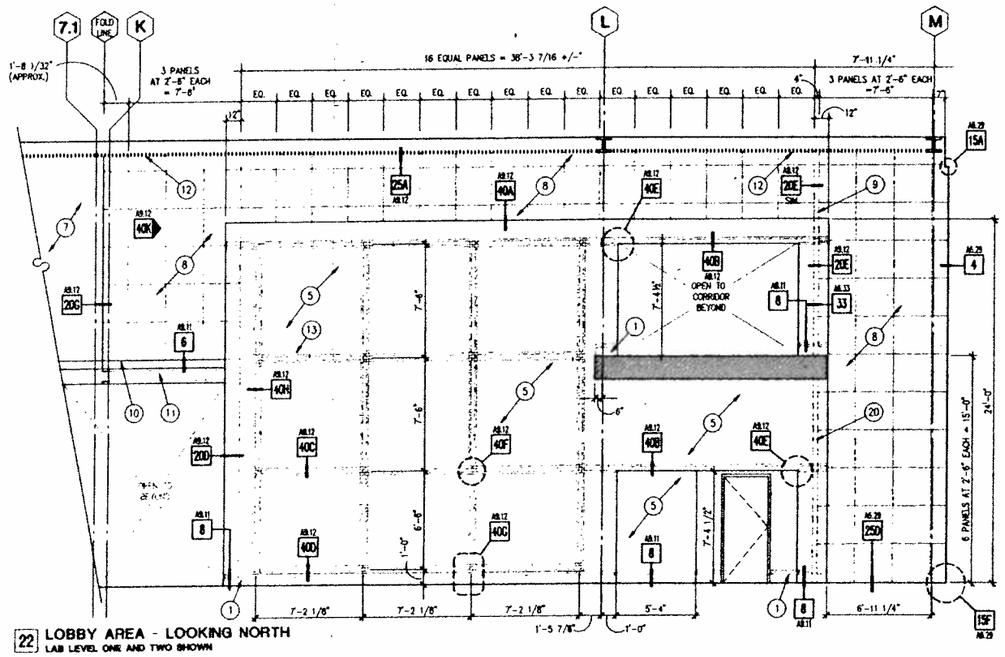
DWG. FILE : 00005709 / A8.09 / 28 MAR 91

000668

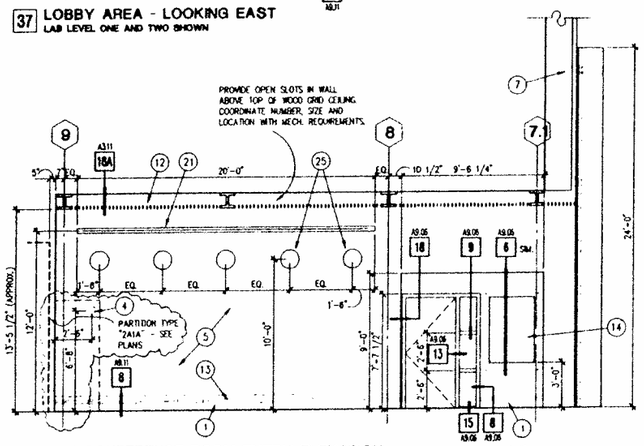


37 LOBBY AREA - LOOKING EAST
LAB LEVEL ONE AND TWO SHOWN

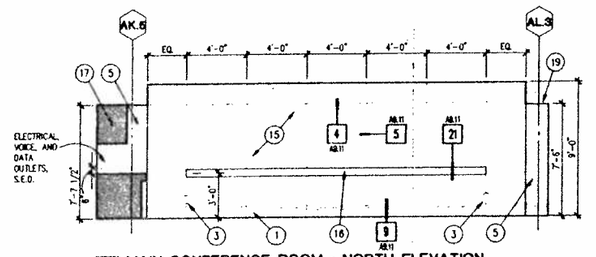
NOTE: IT IS THE INTENT OF THE DESIGN THAT THE 1'-8 1/32" DIM. ON EITHER SIDE OF THE FOLD LINE BE EQUAL.



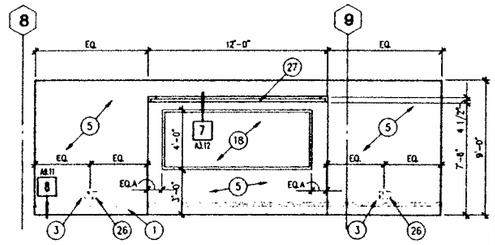
22 LOBBY AREA - LOOKING NORTH
LAB LEVEL ONE AND TWO SHOWN



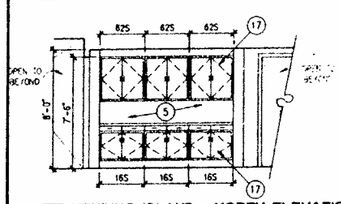
38 MAIN CONFERENCE ROOM ENTRY ELEVATION
LAB LEVEL ONE



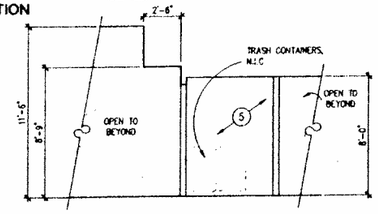
23 MAIN CONFERENCE ROOM - NORTH ELEVATION
LAB LEVEL ONE - ROOM 1-501



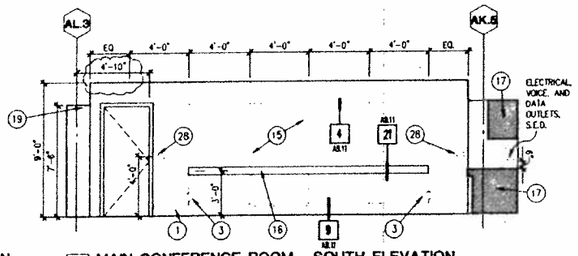
13 MAIN CONFERENCE ROOM - EAST ELEVATION
LAB LEVEL ONE - ROOM 1-501



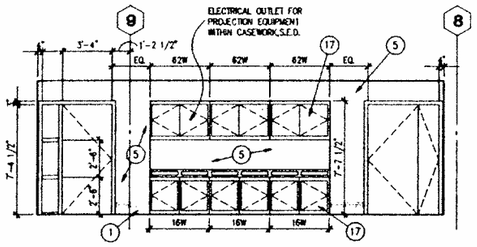
39 VENDING ISLAND - NORTH ELEVATION
LAB LEVEL ONE - ROOM 1-504



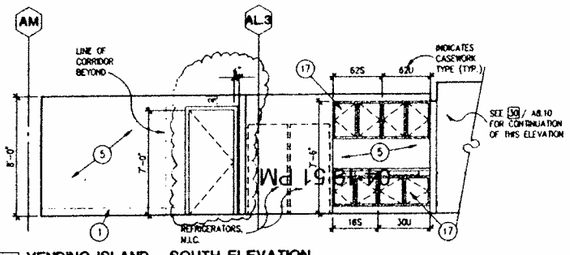
34 VENDING/TRASH ISLAND - EAST ELEVATION
LAB LEVEL ONE - ROOM 1-504



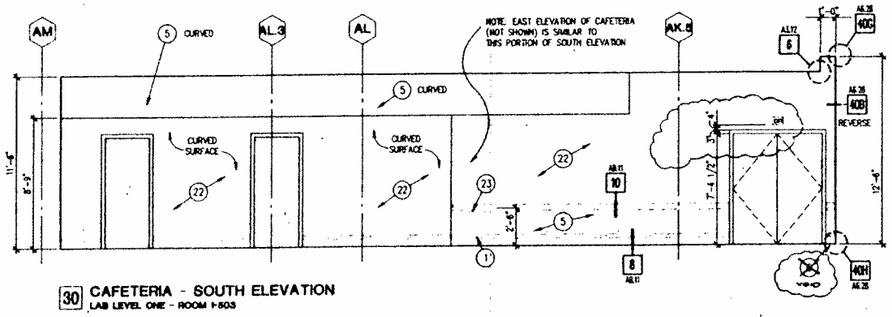
24 MAIN CONFERENCE ROOM - SOUTH ELEVATION
LAB LEVEL ONE - ROOM 1-501



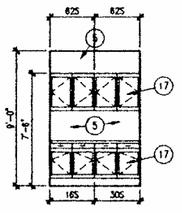
14 MAIN CONFERENCE ROOM - WEST ELEVATION
LAB LEVEL ONE - ROOM 1-501



40 VENDING ISLAND - SOUTH ELEVATION
LAB LEVEL ONE - ROOM 1-504



30 CAFETERIA - SOUTH ELEVATION
LAB LEVEL ONE - ROOM 1-503



10 PANTRY - SOUTH ELEVATION
LAB LEVEL ONE

SHEET NOTES

1. THE PURPOSE OF THIS SHEET IS TO ILLUSTRATE THE OVERALL CONFIGURATION OF ALL ITEMS OF ALL TRADES LOCATED ON EACH OF THE PROVIDED INTERIOR ELEVATIONS. LOCATIONS SHOWN ON THE ELECTRICAL, MECHANICAL, AND PLUMBING DRAWINGS ARE SCHEMATIC AND THE DIMENSIONS SHOWN HERE TAKE PRECEDENCE.
2. THE TYPICAL ARRANGEMENTS AND CONFIGURATIONS SHOWN HERE SHOULD BE USED AS A GUIDE FOR LOCATING SIMILAR ITEMS ON WALLS FOR WHICH NO INTERIOR ELEVATIONS ARE PROVIDED.
3. FOR ADDITIONAL INTERIOR ELEVATION INFORMATION, REFER TO THE BUILDING/WALL SECTIONS OF THE A8 SERIES DRAWINGS. WHERE BOTH THE A8 SERIES AND THE A8 SERIES SHOW THE SAME INTERIOR ELEVATION, THE INFORMATION PROVIDED ON THE A8 SERIES DRAWINGS SHALL GOVERN.
4. MOUNTING LOCATIONS AND HEIGHTS.
   A. WHERE HORIZONTAL DIMENSIONS ARE NOT SHOWN ON THE INTERIOR ELEVATIONS, REFER FIRST TO THE ARCHITECTURAL FLOOR PLANS. IF NOT DIMENSIONED ON THE FLOOR PLANS, REFER SECOND TO THE APPLICABLE TYPICAL MOUNTING CONFIGURATION DETAILS. IF NOT DIMENSIONED BY THE ARCHITECT, REFER TO THE APPLICABLE LABORATORY, ELECTRICAL, MECHANICAL, OR PLUMBING DRAWINGS FOR DIMENSION. FINALLY, IF NO DIMENSION IS PROVIDED, PLACE AT APPROXIMATE LOCATION SHOWN ON INTERIOR ELEVATION.
   B. WHERE VERTICAL DIMENSIONS ARE NOT SHOWN ON THE INTERIOR ELEVATIONS, REFER FIRST TO THE APPLICABLE TYPICAL MOUNTING CONFIGURATION DETAILS. IF NOT DIMENSIONED BY THE ARCHITECT, REFER TO THE APPLICABLE LABORATORY, ELECTRICAL, MECHANICAL, OR PLUMBING DRAWING FOR DIMENSION. FINALLY, IF NO DIMENSION IS PROVIDED, PLACE AT APPROXIMATE LOCATION SHOWN ON INTERIOR ELEVATION.
5. FOR ADDITIONAL INFORMATION REGARDING ARCHITECTURAL FINISHES OF SPACES INDICATED ON THIS SHEET, REFER TO FINISH CODES SHOWN ON THE FLOOR PLANS AND ARCHITECTURAL FINISH SCHEDULE.
6. FOR ADDITIONAL NOTES WHICH ARE APPLICABLE TO THIS SHEET, REFER TO "GENERAL NOTES" ON SHEET A0.01.

KEY NOTES

1. DOUBLE SEGMENT WOOD BASE - SEE ARCHITECTURAL FINISH SCHEDULE FOR ADDITIONAL INFORMATION
2. PAINT WOOD TRIM INSET INTO GYPSUM BOARD - SEE INDICATED DETAIL FOR PROFILE
3. ELECTRICAL OUTLET AT 12 INCHES A.F.F. TO CENTER - FOR ADDITIONAL INFORMATION SEE ELECTRICAL DRAWINGS.
4. MAGNETIC HOLD OPEN DOOR DEVICE MOUNTED ON WALL - SEE ELECTRICAL DRAWINGS FOR ADDITIONAL DRAWINGS
5. PAINTED GYPSUM BOARD WALL - SEE ARCHITECTURAL FINISH SCHEDULE FOR ADDITIONAL INFORMATION
6. MAGNETIC HOLD-OPEN DOOR DEVICE MOUNTED ON FLOOR MONUMENT - SEE ELECTRICAL DRAWINGS
7. THIS PORTION OF ELEVATION IS AT ANGLE TO VIEW PLANE
8. COMPOSITE METAL PANELS (TYPE 2 FOR INTERIOR USE)
9. SEISMIC JOINT IN COMPOSITE METAL PANEL WALL
10. PAINTED WOOD TRIM PIECE - SEE PERSONNEL GALLERY DETAILS SHEET FOR ADDITIONAL INFORMATION
11. PAINT EXPOSED STRUCTURAL STEEL FRAME AND SEISMIC BRACE AFTER EASING CORNERS OF ALL CONNECTION ELEMENTS AND SMOOTHING ALL WELDS - FOR ADDITIONAL INFORMATION, SEE STRUCTURAL DRAWINGS
12. WOOD GRID FINISH CEILING SYSTEM SET FLUSH WITH BOTTOM OF EXPOSED STRUCTURAL ELEMENTS (APPROX 12-3 1/2" ABOVE FINISH FLOOR). FOR ADDITIONAL INFORMATION REGARDING WOOD GRID FINISH CEILING SYSTEM, SEE FINISH SCHEDULE, REFLECTED CEILING PLANS, AND INDICATED DETAILS
13. LOW LEVEL EXIT PATH MARKING DEVICE (CONFORM WITH SECTION 3314(F) OF THE 1990 LABC) MOUNTED BETWEEN TOP AND BOTTOM SEGMENTS OF WOOD BASE. FOR DETAIL, SEE PERSONNEL GALLERY DETAILS SHEET
14. FIRE-RATED OVERHEAD ROLLING DOOR WITH RECESSED JAMBS AT SECURITY COUNTER
15. FABRIC COVERED TACK PANELS - SEE ARCHITECTURAL FINISH SCHEDULE FOR ADDITIONAL INFORMATION
16. WOOD CHART RAIL - SEE BOOK OF SPECIFICATIONS
17. MODULAR PLASTIC LAMINATE CASEWORK - SEE INDICATED CASEWORK CODE AND CASEWORK DETAILS SHEET
18. WHITE BOARD (TYPE 1 - 10'-0" WIDE BY 4'-0" HIGH)
19. RECESSED MOTORIZED PROJECTION SCREEN (TYPE 1) IN GYPSUM BOARD SOFFIT
20. COMPOSITE METAL PANELS AND SEISMIC JOINT (WHERE OCCURS) SHOWN DASHED BEHIND GYPSUM BOARD WALL IN FOREGROUND
21. MECHANICAL SLOT DIFFUSER - SEE MECHANICAL DRAWINGS
22. VINYL WALLCOVERING
23. WOOD CHAIR RAIL - SEE INDICATED DETAIL FOR PROFILE
24. PAINTED STEEL CLOSURE PLATE BETWEEN FLANGES OF STRUCTURAL ELEMENTS - SEE INDICATED DETAILS
25. WALL-MOUNTED LIGHT FIXTURES - SEE ELEC. DWGS.
26. DATA OUTLET AT 12 INCHES A.F.F. TO CENTER. COVER PLATE TO MATCH ELECTRICAL OUTLET
27. SOFFIT-MOUNTED LIGHT FIXTURE PAINTED TO MATCH DOOR FRAMES IN CONFERENCE ROOM
28. LIGHTING CONTROLS, SEE ELECTRICAL DRAWINGS.

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Revisions

No.	Date
1	BULLETIN NO.1

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Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

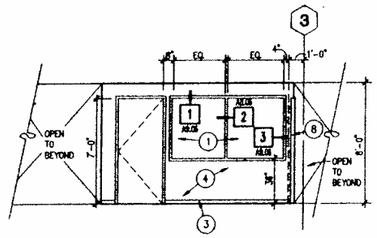
INTERIOR ELEVATIONS CONFERENCE ROOM

SCALE 1/4 INCH EQUALS 1 FOOT

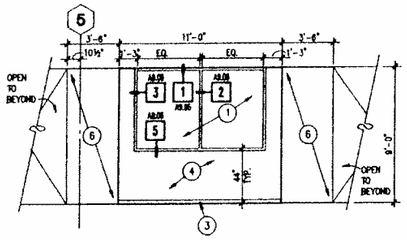
Project No.	Drawing No.
19210 01	A8.10
Date: 01 APR 91	B1 BULLETIN

...DWG. FILE " 0000570A / A8.10 / 19 APR 91

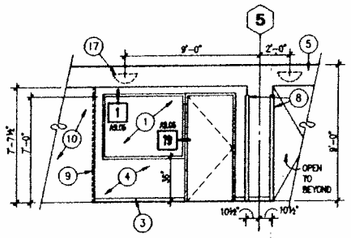
000669



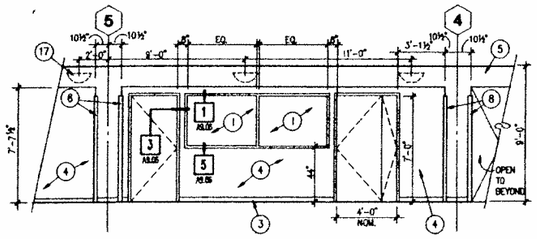
38 PARTIAL LAB ELEVATION - DISTRIBUTION
EAST ELEVATION LOOKING TOWARD OFFICE G-218



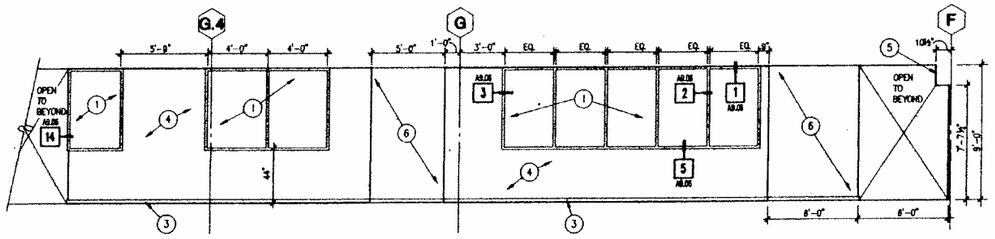
26 PARTIAL LAB ELEVATION - SEROLOGY
WEST ELEVATION LOOKING TOWARD OFFICE 1-102



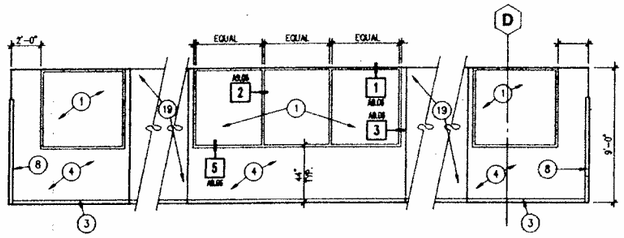
21 PARTIAL LAB ELEVATION - SPECIAL CHEMISTRY
WEST ELEVATION LOOKING TOWARD LIBRARY 2-204



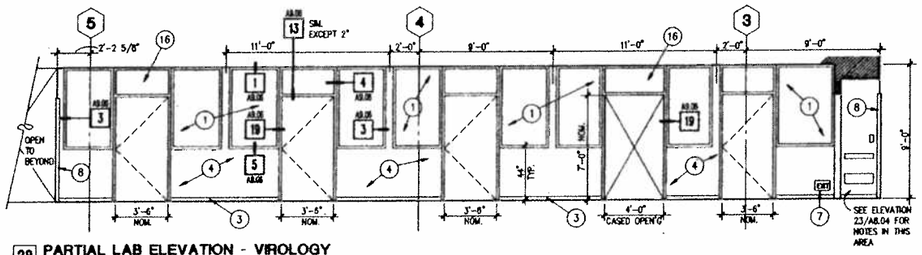
11 PARTIAL LAB ELEVATION - SPECIAL CHEMISTRY
EAST ELEVATION LOOKING TOWARD EQUIPMENT 2-208



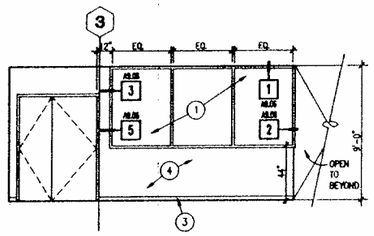
37 PARTIAL LAB ELEVATION - BACTERIOLOGY
SOUTH ELEVATION LOOKING TOWARD BLOOD CULTURE 1-210, ANAEROBIC 1-207



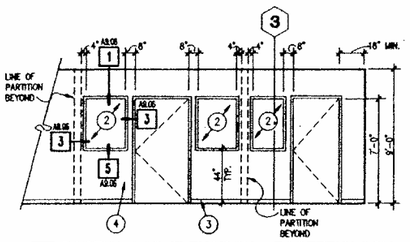
17 PARTIAL LAB ELEVATION - SEROLOGY
SOUTH ELEVATION LOOKING TOWARD SPECIAL SEROLOGY 1-106



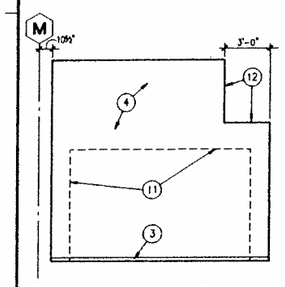
38 PARTIAL LAB ELEVATION - VIROLOGY
EAST ELEVATION LOOKING TOWARD 1-306, 1-308, 1-309, 1-310, 1-311



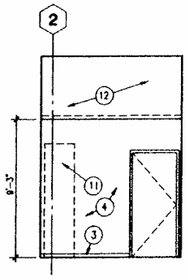
23 PARTIAL LAB ELEVATION - BACTERIOLOGY
WEST ELEVATION LOOKING TOWARD ANAEROBIC 1-207



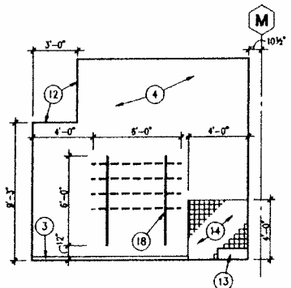
13 PARTIAL LAB ELEVATION - BACTERIOLOGY
EAST ELEVATION LOOKING TOWARD PARASITOLOGY 1-209, MYCOLOGY 1-208



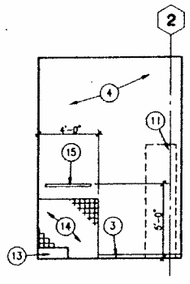
39 SOUTH ELEVATION
JANITOR 1-010 AND 2-010



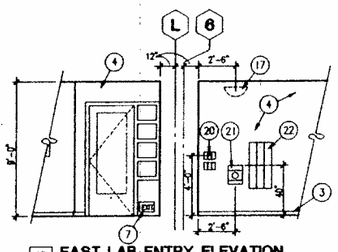
34 WEST ELEVATION
JANITOR 1-010 AND 2-010



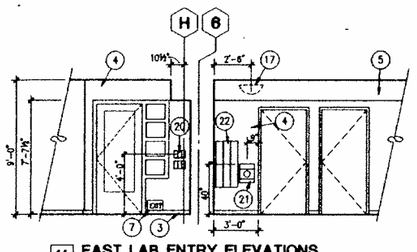
29 NORTH ELEVATION
JANITOR 1-010 AND 2-010



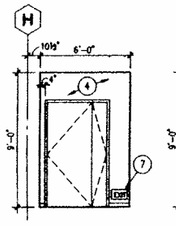
24 EAST ELEVATION
JANITOR 1-010 AND 2-010

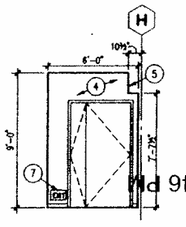


19 EAST LAB ENTRY ELEVATION
SIMILAR AT VIROLOGY 1-300, HISTOPATHOLOGY 2-300

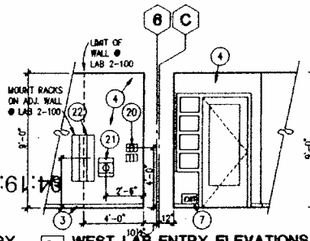


14 EAST LAB ENTRY ELEVATIONS
SPECIAL CHEMISTRY 2-200

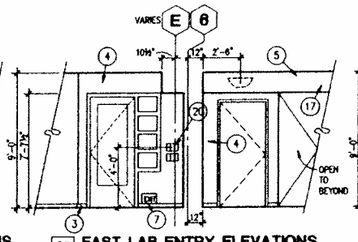




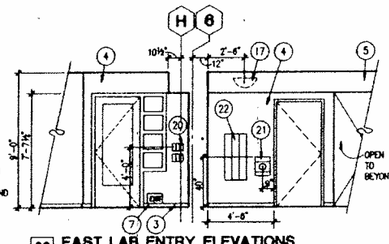
40 PARTIAL LAB ELEVATION - BACTERIOLOGY
SOUTH ELEVATION LOOKING TOWARD CORRIDOR 1-003



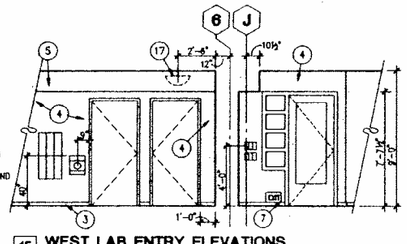
35 WEST LAB ENTRY ELEVATIONS
SIMILAR AT SEROLOGY 1-100, CHEMISTRY 2-100



30 EAST LAB ENTRY ELEVATIONS
SIMILAR AT SEROLOGY 1-100, BACTERIOLOGY 2-100
REVERSE ELEVATION AT 1-200, 1-300, 2-200
(NO TIME CLOCK THESE ELEVATIONS)



20 EAST LAB ENTRY ELEVATIONS
BACTERIOLOGY 1-300



15 WEST LAB ENTRY ELEVATIONS
HISTOPATHOLOGY 2-300

SHEET NOTES

1. THE PURPOSE OF THIS SHEET IS TO ILLUSTRATE THE OVERALL CONFIGURATION OF ALL ITEMS OF ALL TRADES LOCATED ON EACH OF THE PROVIDED INTERIOR ELEVATIONS. LOCATIONS SHOWN ON THE ELECTRICAL, MECHANICAL, AND PLUMBING DRAWINGS ARE SCHEMATIC AND THE DIMENSIONS SHOWN HERE TAKE PRECEDENCE.
2. THE TYPICAL ARRANGEMENTS AND CONFIGURATIONS SHOWN HERE SHOULD BE USED AS A GUIDE FOR LOCATING SIMILAR ITEMS ON WALLS FOR WHICH NO INTERIOR ELEVATIONS ARE PROVIDED.
3. FOR ADDITIONAL INTERIOR ELEVATION INFORMATION, REFER TO THE BUILDING/WALL SECTIONS OF THE A8 SERIES DRAWINGS. WHERE BOTH THE A8 SERIES AND THE A8 SERIES SHOW THE SAME INTERIOR ELEVATION, THE INFORMATION PROVIDED ON THE A8 SERIES DRAWINGS SHALL GOVERN.
4. MOUNTING LOCATIONS AND HEIGHTS:
   A. WHERE HORIZONTAL DIMENSIONS ARE NOT SHOWN ON THE INTERIOR ELEVATIONS, REFER FIRST TO THE ARCHITECTURAL FLOOR PLANS. IF NOT DIMENSIONED ON THE FLOOR PLANS, REFER SECOND TO THE APPLICABLE TYPICAL MOUNTING CONFIGURATION DETAILS. IF NOT DIMENSIONED BY THE ARCHITECT, REFER TO THE APPLICABLE LABORATORY, ELECTRICAL, MECHANICAL, OR PLUMBING DRAWINGS FOR DIMENSION. FINALLY, IF NO DIMENSION IS PROVIDED, PLACE AT APPROXIMATE LOCATION SHOWN ON INTERIOR ELEVATION.
   B. WHERE VERTICAL DIMENSIONS ARE NOT SHOWN ON THE INTERIOR ELEVATIONS, REFER FIRST TO THE APPLICABLE TYPICAL MOUNTING CONFIGURATION DETAILS. IF NOT DIMENSIONED BY THE ARCHITECT, REFER TO THE APPLICABLE LABORATORY, ELECTRICAL, MECHANICAL, OR PLUMBING DRAWING FOR DIMENSION. FINALLY, IF NO DIMENSION IS PROVIDED, PLACE AT APPROXIMATE LOCATION SHOWN ON INTERIOR ELEVATION.
5. FOR ADDITIONAL INFORMATION REGARDING ARCHITECTURAL FINISHES OF SPACES INDICATED ON THIS SHEET, REFER TO FINISH CODES SHOWN ON THE FLOOR PLANS AND ARCHITECTURAL FINISH SCHEDULE.
6. FOR ADDITIONAL NOTES WHICH ARE APPLICABLE TO THIS SHEET, REFER TO "GENERAL NOTES" ON SHEET A0.01.

KEY NOTES

1. 1/4" CLEAR GLASS (GLAZING TYPE GL-7) AND PAINTED HOLLOW METAL FRAME WINDOW.
2. 1/4" WIRE GLASS (GLAZING TYPE GL-8) AND PAINTED HOLLOW METAL FRAME WINDOW
3. BASE - SEE ARCHITECTURAL FINISH SCHEDULE.
4. PAINTED GYPSUM BOARD WALL - SEE ARCHITECTURAL FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
5. PAINTED GYPSUM BOARD AND METAL STUD SOFFIT. SOFFIT TYPICALLY OCCURS ON LINES "E", "F", "H", AND "J" AT LABORATORIES.
6. THIS PORTION OF ELEVATION IS AT ANGLE TO VIEW PLANE.
7. LOW LEVEL EXIT SIGN (CONFORM WITH SECTION 3314(F) OF THE 1990 UBC) MOUNTED AS SHOWN ON WALL ADJACENT TO EXIT DOOR FRAME.
8. CORNER GUARD EXTENDS FROM FLOOR TO 7'-0" A.F.F. SEE SHEET A9.04 FOR TYPICAL MOUNTING DETAIL.
9. CLOSE GAP BETWEEN ENVIRONMENTAL ROOM AND GYPSUM BOARD PARTITION - SEE ALSO LABORATORY DRAWINGS.
10. ENVIRONMENTAL ROOM - SEE LABORATORY DRAWINGS.
11. MOVEABLE FREE-STANDING SHELVING SYSTEM - SEE BOOK OF SPECIFICATIONS FOR ADDITIONAL INFORMATION.
12. ONE-HOUR FIRE-RATED HORIZONTAL GYPSUM BOARD AND METAL STUD DUCT ENCLOSURE EXTENDING TO FIRE-RATED STRUCTURE ABOVE - SEE SECTIONS 3306(D)2 AND 4306(J) OF THE 1990 UBC. TAPE, SAND, AND PAINT ALL SURFACES OF THE ENCLOSURE WHICH ARE EXPOSED TO VIEW. FOR TYPICAL DETAIL, SEE SHEET A9.04.
13. JANITOR'S SINK - SEE PLUMBING DRAWINGS
14. CERAMIC TILE WAINSCOT BEHIND JANITOR'S SINK - SEE ARCHITECTURAL FINISH SCHEDULE.
15. MOP AND BROOM RACK - SEE TOILET ACCESSORY SCHEDULE FOR ADDITIONAL INFORMATION.
16. 1/4" CLEAR GLASS (GLAZING TYPE GL-7) AND PAINTED HOLLOW METAL FRAME TRANSOM ABOVE DOORS AND CASED OPENINGS.
17. WALL MOUNTED LIGHT SCONCE ON SOFFIT. DIMENSIONS SHOWN ARE TYPICAL. SEE REFLECTED CEILING PLANS AND ELECTRICAL DRAWINGS FOR ADDITIONAL LOCATIONS FOR THIS FIXTURE.
18. WALL-MOUNTED SHELVING SYSTEM WITH 4 ADJUSTABLE HEIGHT, PAINTED WOOD SHELVES - SEE BOOK OF SPECIFICATIONS FOR ADDITIONAL INFORMATION.
19. THIS PORTION OF ELEVATION IS AT ANGLE TO VIEW PLANE. SEE ADJOINING ELEVATION.
20. LIGHT SWITCHES - SEE ELECTRICAL DRAWINGS.
21. TIME-CARD CLOCK - OWNER FURNISHED, CONTRACTOR INSTALLED.
22. THREE 25 CARD TIME-CARD RACKS MOUNTED AT 40 INCHES A.F.F. TO CENTER - OWNER FURNISHED, CONTRACTOR INSTALLED.

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Laboratory Mechanical Engineer

Laboratory Electrical Engineer

Revisions

No.	Date

Regional Reference Laboratory
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North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

INTERIOR ELEVATIONS MISC. LABORATORY

SCALE: 1/4 INCH EQUALS 1 FOOT

Project No.		Drawing No.
19210.01	B	A8.11
Date 01 APR. 1991	BIDDING	

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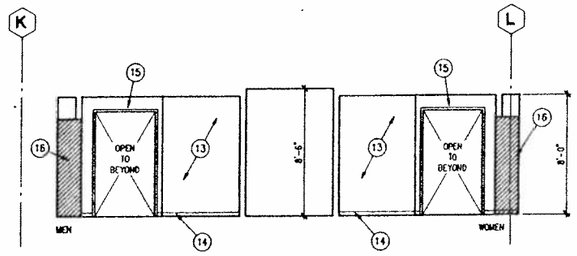
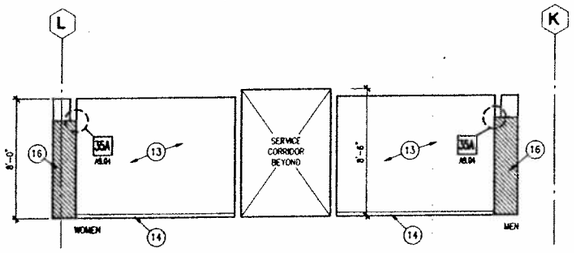
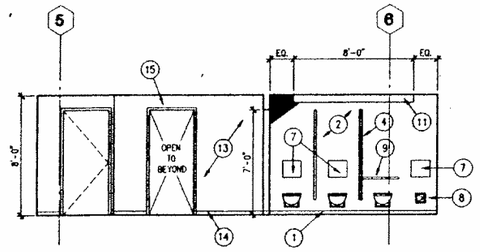


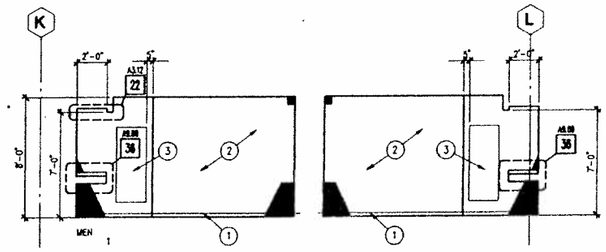
38 GROUND FLOOR TOILET ROOM - LOCKER AREA
NORTH ELEVATION



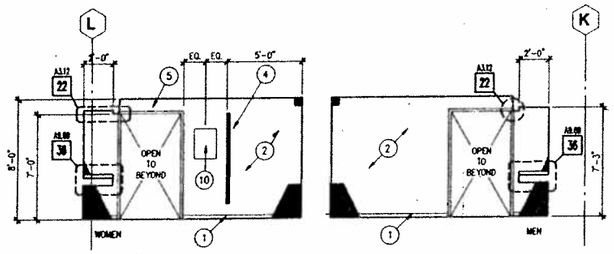
26 GROUND FLOOR TOILET ROOM - LOCKER AREA
SOUTH ELEVATION



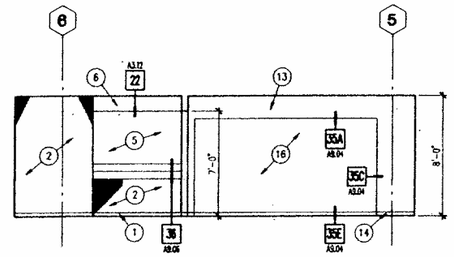
11 GROUND FLOOR TOILET ROOM - WOMEN
WEST ELEVATION - MEN SIMILAR EXCEPT REVERSED



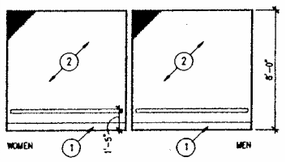
37 GROUND FLOOR TOILET ROOM - TOILET AREA
NORTH ELEVATION



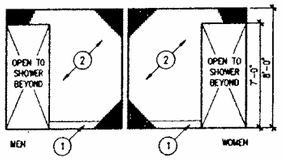
27 GROUND FLOOR TOILET ROOM - TOILET AREA
SOUTH ELEVATION



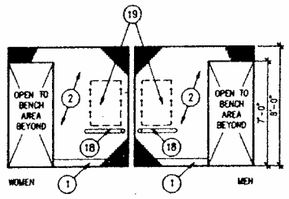
12 GROUND FLOOR TOILET ROOM - WOMEN
EAST ELEVATION - MEN SIMILAR EXCEPT REVERSED



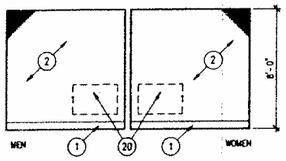
38 SHOWER BENCH AREA
SOUTH ELEVATION



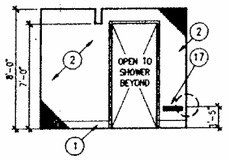
33 SHOWER - BENCH AREA
NORTH ELEVATION



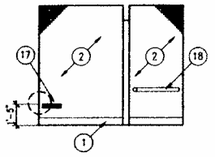
28 SHOWER - SHOWER AREA
SOUTH ELEVATION



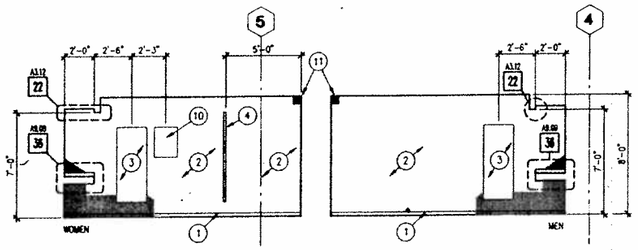
23 SHOWER - SHOWER AREA
NORTH ELEVATION



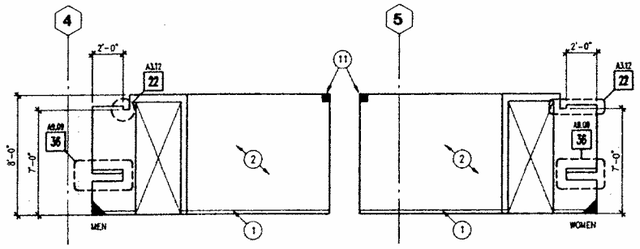
18 SHOWER - WOMEN
EAST ELEVATION - MEN SIMILAR EXCEPT REVERSED



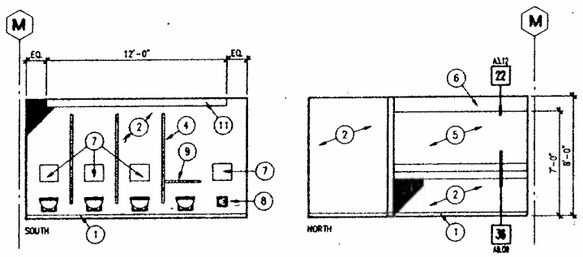
13 SHOWER - WOMEN
WEST ELEVATION - MEN SIMILAR EXCEPT REVERSED



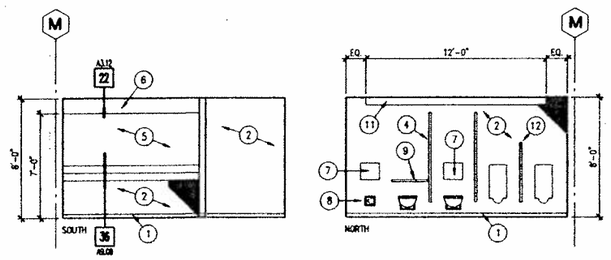
29 TYPICAL TOILET ROOMS - EAST ELEVATION
LAB LEVEL ONE SHOWN, LAB LEVEL TWO SIMILAR



19 TYPICAL TOILET ROOMS - WEST ELEVATION
LAB LEVEL ONE SHOWN, LAB LEVEL TWO SIMILAR



30 TYPICAL TOILET ROOMS - WOMEN
LAB LEVEL ONE SHOWN, LAB LEVEL TWO SIMILAR



20 TYPICAL TOILET ROOMS - MEN
LAB LEVEL ONE SHOWN, LAB LEVEL TWO SIMILAR

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6. FOR ADDITIONAL NOTES WHICH ARE APPLICABLE TO THIS SHEET, REFER TO "GENERAL NOTES" ON SHEET A0.81.

KEY NOTES

1. CERAMIC TILE COVED BASE - SEE FINISH SCHEDULE) IS INTEGRAL WITH CERAMIC TILE WALL FINISH.
2. CERAMIC TILE FINISH ON WALLS EXTENDS FROM CERAMIC TILE BASE TO CEILING. SEE FINISH DETAILS FOR CERAMIC TILE ACCENT STRIPE.
3. TYPE 1 PAPER TOWEL DISPENSER/RECEPTACLE - SEE TYPICAL TOILET ACCESSORY MOUNTING HEIGHTS ON SHEET A9.09.
4. CEILING-HUNG TOILET PARTITION. SEE SHEET A9.09 FOR DETAILS OF MISC. METAL SUPPORT.
5. MIRROR EXTENDS FROM TOP OF SPLASH TO CEILING AND SIDE-WALL TO SIDE-WALL.
6. PAINTED GYPSUM BOARD FASCIA AT OVER-COUNTER LIGHT FIXTURE/SOFFIT.
7. TYPE 1 SEAT COVER DISPENSER - SEE TYPICAL TOILET ACCESSORY CONFIGURATION ELEVATIONS ON SHEET A9.09.
8. STAINLESS STEEL PLUMBING VALVE ACCESS PANEL.
9. TYPE 2 AND TYPE 3 GRAB BARS AT HANDICAPPED ACCESS TOILET STALL - SEE TYPICAL CONFIGURATION ELEVATIONS ON SHEET A9.09.
10. TYPE 1 SANITARY NAPKIN/TAMPON DISPENSER - SEE TYPICAL MOUNTING HEIGHTS ON SHEET A9.09.
11. WALL-MOUNTED LIGHT FIXTURE WITH TOP OF FIXTURE AT 7'-10" ABOVE FINISH FLOOR.
12. WALL-MOUNTED URINAL SCREEN.
13. PAINTED GYPSUM BOARD WALLS - SEE FINISH SCHEDULE.
14. CERAMIC TILE COVED BASE - SEE FINISH SCHEDULE.
15. PAINTED HOLLOW METAL CASE OPENING - SEE DOOR SCHEDULE.
16. 12 TYPE 2 RECESSED METAL LOCKERS (12"W X 18"D X SINGLE TIER).
17. WOOD BENCH - SEE DETAIL ON SHEET A9.09.
18. TYPE 1 GRAB BAR AT HANDICAPPED ACCESS TOILET STALL - SEE TYPICAL CONFIGURATION ELEVATION ON SHEET A9.09.
19. SEE TYPICAL CONFIGURATION ELEVATION ON SHEET A9.09 FOR INFORMATION REGARDING THE ARRANGEMENT OF TOILET ACCESSORIES AND PLUMBING FIXTURES AT HANDICAPPED ACCESS SHOWER.
20. FOLDING SHOWER SEAT AT HANDICAPPED ACCESS SHOWER - SEE SHEET A9.09 FOR TYPICAL MOUNTING HEIGHT.

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Laboratory Mechanical Engineer

Laboratory Electrical Engineer

Revisions

No.	Date

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

INTERIOR ELEVATIONS TOILETS/SHOWERS

SCALE: 1/4 INCH EQUALS 1 FOOT

Project No.		Drawing No.
19210.01	B	A8.12
Date 01 APR. 1991	BIDDING	

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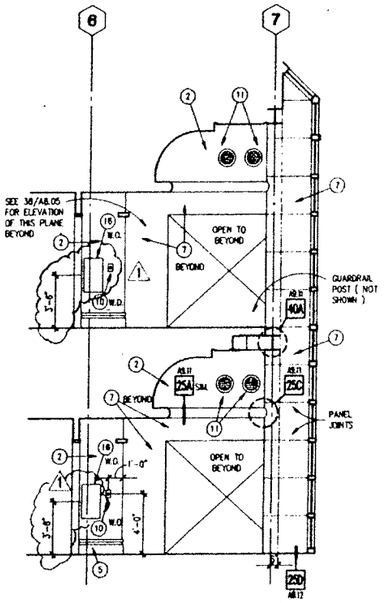
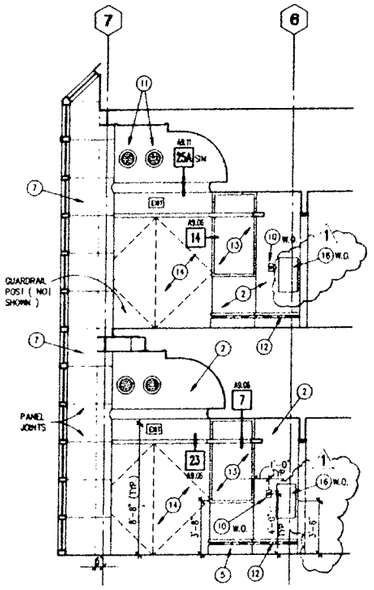
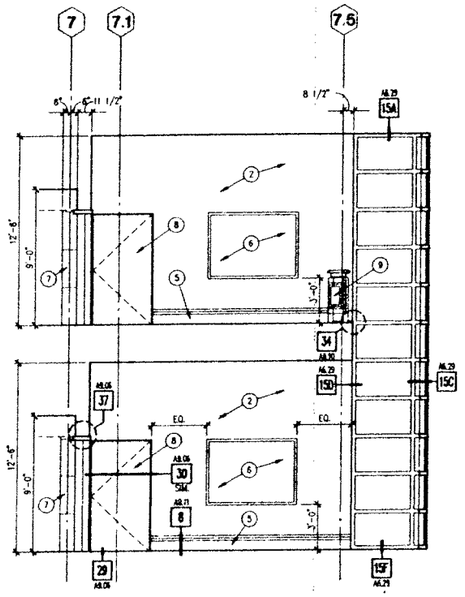


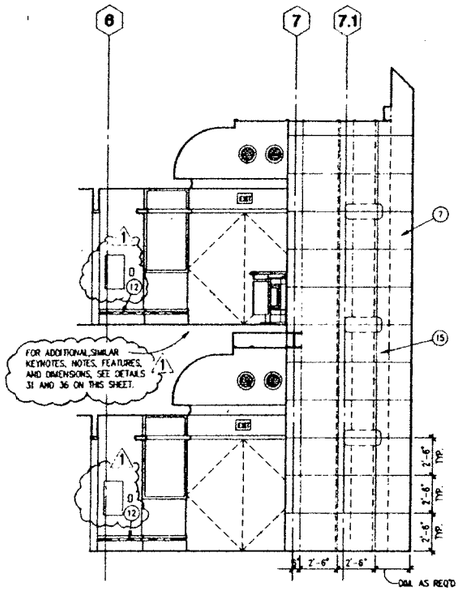
38 WEST ELEVATION NEAR LINE "C"
PERSONNEL CORRIDOR 2-015
NEAR LINE "F" AT ROOM 2-014 SIMILAR



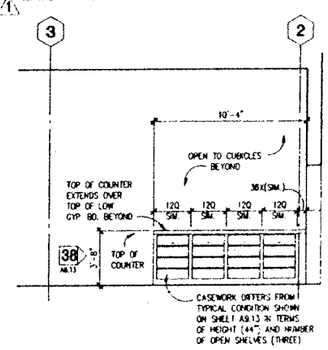
31 EAST ELEVATION NEAR LINE "H"
PERSONNEL CORRIDOR 2-014
NEAR LINE "E" AT ROOM 2-015 SIMILAR



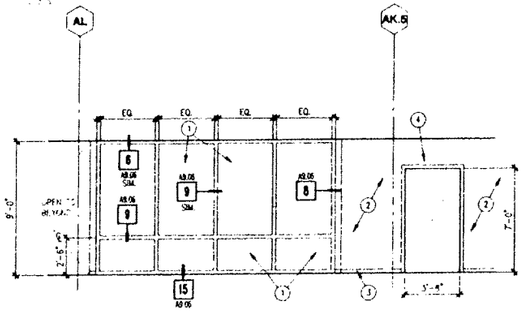
22 WEST ELEVATION
LOUNGE 1-016 AND 2-014



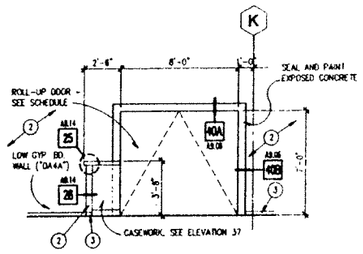
12 WEST ELEVATION NEAR LINE "J"
LOBBY/RECEPTION 1-013



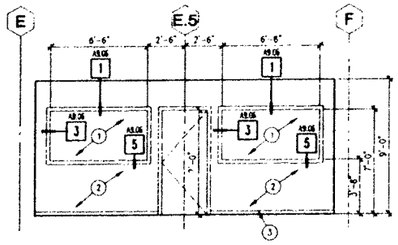
37 EAST ELEVATION
MATERIAL MANAGEMENT G-306



32 SOUTH ELEVATION
OPEN OFFICE 2-603/CONFERENCE 2-604 BEYOND



38 SOUTH ELEVATION
MATERIAL MANAGEMENT G-306



33 NORTH ELEVATION
SORTING 2-108

SHEET NOTES

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3. FOR ADDITIONAL INTERIOR ELEVATION INFORMATION, REFER TO THE BUILDING/WALL SECTIONS OF THE A6 SERIES DRAWINGS. WHERE BOTH THE A8 SERIES AND THE A6 SERIES SHOW THE SAME INTERIOR ELEVATION, THE INFORMATION PROVIDED ON THE A8 SERIES DRAWINGS SHALL GOVERN.
4. MOUNTING LOCATIONS AND HEIGHTS:
   A. WHERE HORIZONTAL DIMENSIONS ARE NOT SHOWN ON THE INTERIOR ELEVATIONS, REFER FIRST TO THE ARCHITECTURAL FLOOR PLANS. IF NOT DIMENSIONED ON THE FLOOR PLANS, REFER SECOND TO THE APPLICABLE TYPICAL MOUNTING CONFIGURATION DETAILS. IF NOT DIMENSIONED BY THE ARCHITECT, REFER TO THE APPLICABLE LABORATORY, ELECTRICAL, MECHANICAL, OR PLUMBING DRAWINGS FOR DIMENSION. FINALLY, IF NO DIMENSION IS PROVIDED, PLACE AT APPROXIMATE LOCATION SHOWN ON INTERIOR ELEVATION.
   B. WHERE VERTICAL DIMENSIONS ARE NOT SHOWN ON THE INTERIOR ELEVATIONS, REFER FIRST TO THE APPLICABLE TYPICAL MOUNTING CONFIGURATION DETAILS. IF NOT DIMENSIONED BY THE ARCHITECT, REFER TO THE APPLICABLE LABORATORY, ELECTRICAL, MECHANICAL, OR PLUMBING DRAWING FOR DIMENSION. FINALLY, IF NO DIMENSION IS PROVIDED, PLACE AT APPROXIMATE LOCATION SHOWN ON INTERIOR ELEVATION.
5. FOR ADDITIONAL INFORMATION REGARDING ARCHITECTURAL FINISHES OF SPACES INDICATED ON THIS SHEET, REFER TO FINISH CODES SHOWN ON THE FLOOR PLANS AND ARCHITECTURAL FINISH SCHEDULE.
6. FOR ADDITIONAL NOTES WHICH ARE APPLICABLE TO THIS SHEET, REFER TO "GENERAL NOTES" ON SHEET A0.01.

KEY NOTES

1. 1/4" CLEAR GLASS (GLAZING TYPE GL-7) AND PAINTED HOLLOW METAL FRAME WINDOW.
2. PAINTED GYPSUM BOARD WALL - SEE ARCHITECTURAL FINISH SCHEDULE FOR ADDITIONAL INFORMATION.
3. BASE - SEE ARCHITECTURAL FINISH SCHEDULE.
4. PAINTED HOLLOW METAL CASED OPENING - SEE DOOR OPENING SCHEDULE.
5. DOUBLE-SEGMENT WOOD BASE. SEE DETAIL 8 ON SHEET A8.11 AND ARCHITECTURAL FINISH SCHEDULE ON SHEET A9.15.
6. WALL MOUNTED WHITE BOARD (TYPE 2 - 48" HIGH BY 72" WIDE).
7. COMPOSITE METAL PANELS (TYPE 2, COLOR NO. 1) OVER 6 INCH BY 18 GAUGE METAL STUDS AT 16 INCHES ON CENTER (MAXIMUM SPACING).
8. POCKET HOLD-OPEN DOOR SHOWN IN OPEN POSITION.
9. BALCONY GUARDRAIL - SEE SHEET A9.10 FOR TYPICAL DETAILS
10. EMERGENCY POWER OFF SWITCH (WHERE OCCURS) - SEE ELECTRICAL DRAWINGS.
11. RETURN AIR LOUVER - SEE SHEET A6.04 FOR DIMENSIONS AND A8.11 FOR DETAILS.
12. LOW LEVEL EXIT PATH MARKING DEVICE (CONFORM WITH SECTION 3314(f) OF THE 1980 LABC) MOUNTED BETWEEN TOP AND BOTTOM SEGMENTS OF WOOD BASE. FOR DETAIL, SEE DETAIL 8 ON SHEET A9.11.
13. 1/4" WIRE GLASS (GLAZING TYPE GL-8) AND PAINTED HOLLOW METAL FRAME WINDOW. AREA OF WINDOW OPENING CONFORMS WITH 3306(h)2 OF THE 1980 LABC

    BETWEEN PERSONNEL GALLERY AND OFFICES:

    COMMON WALL (WORST CASE) = 164.48 SQ. FT. (3'-2" BY 9'-0" + 8'-5 1/2" BY 7'-7 1/2" + 6'-0" BY 14'-5 1/2")

    ALLOWABLE OPENING AREA = 41.12 SQ. FT.

    ACTUAL OPENING AREA = 32.88 SQ. FT.

    ALTERNATE GLAZING TYPE, PENDING APPROVAL BY LOS ANGELES DEPT. OF BUILDING & SAFETY, USE CLEAR GLASS (GLAZING TYPE GL-7) IN LIEU OF WIRE GLASS.
14. 1-1/2 HOUR FIRE RATED HOLD-OPEN DOORS (WHERE OCCURS) SHOWN IN CLOSED POSITION
15. SHOWN DASHED - PAINTED. EXPOSED PAIRED STEEL PIPE COLUMNS. CLEAN AND DRESS ALL CONNECTIONS AND WELDS. SEE STRUCTURAL DRAWINGS.

SMP

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Laboratory Electrical Engineer

Revisions

No.	Date
1 BULLETIN NO.1	

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood - Los Angeles California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

INTERIOR ELEVATIONS

Project No.		Drawing No.
19210.01	B1	A8.13
Date 22 APR 91	BULLETIN	

PROJECT NO. 19210.01

NO.	DWG. TITLE	NOTES
1	TITLE	

DWG. FILE : 00005700 / A8.13 / 21 AUG 1991

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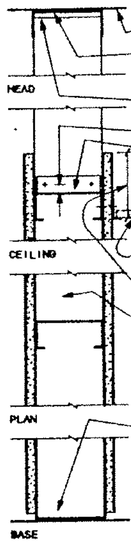
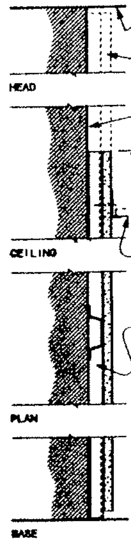
000672

PARTITION TYPE DETAILS



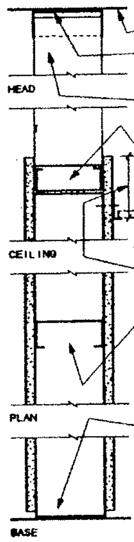
NON-RATED, NON-LOAD BEARING PARTITIONS

0A1	2-1/2" METAL STUDS 3-3/4" THICK	0A4	6" METAL STUDS 7-1/4" THICK
0A2	3-5/8" METAL STUDS 4-7/8" THICK	0A5	NOT USED
0A3	4" METAL STUDS 5-1/4" THICK	0A6	NOT USED



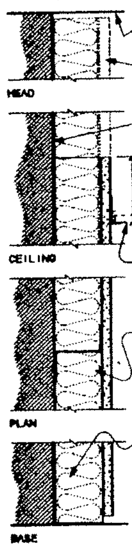
NON-RATED, NON-LOAD BEARING FURRING

0D1	7/8" FURRING CHANNEL 1-1/2" THICK
0D2	NOT USED
0D3	NOT USED



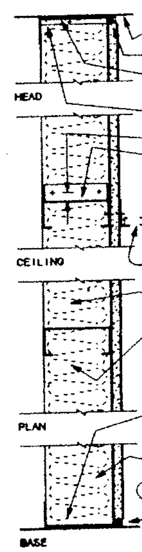
NON-RATED, NON-LOAD BEARING PARTITIONS

0B1	2-1/2" METAL STUDS 3-3/4" THICK	0B4	6" METAL STUDS 7-1/4" THICK
0B2	3-5/8" METAL STUDS 4-7/8" THICK	0B5	NOT USED
0B3	4" METAL STUDS 5-1/4" THICK	0B6	NOT USED



NON-RATED, NON-LOAD BEARING FURRING

0E1	1" FURRING CHANNEL 1-5/8" THICK	0E4	3" FURRING CHANNEL 3-5/8" THICK
0E2	1-1/2" FURRING CHANNEL 2-1/8" THICK	0E5	NOT USED
0E3	2" FURRING CHANNEL 2-5/8" THICK	0E6	NOT USED



NON-RATED, NON-LOAD BEARING FURRING/PARTITION

0C1	1-5/8" METAL STUDS 2-1/4" THICK	0C4	4" METAL STUDS 4-5/8" THICK
0C2	2-1/2" METAL STUDS 3-1/8" THICK	0C5	6" METAL STUDS 6-5/8" THICK
0C3	3-5/8" METAL STUDS 4-1/4" THICK	0C6	NOT USED

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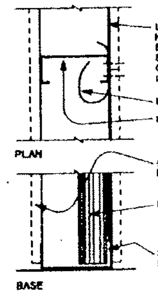
PROJECT NO. 19210.01

NO. / DWG. TITLE / NOTES

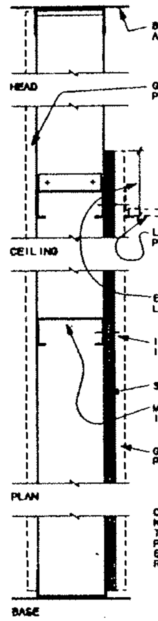
SPECIAL PARTITION COMPONENTS

TYPE	WEIGHT LBS/SQ.FT.	HEIGHT	COVERAGE	NOTE
L1	2 LBS/S.F.	7'-6" A.F.F.	ONE SIDE	1
L2	2.5 LBS/S.F.	7'-6" A.F.F.	ONE SIDE	1
L3	4 LBS/S.F.	7'-6" A.F.F.	ONE SIDE	1
L4	2.5 LBS/S.F.	7'-8" A.F.F.	BOTH SIDES	-
L5	2.5 LBS/S.F.	TO CEILING	ONE SIDE	1
L6	4 LBS/S.F.	TO CEILING	ONE SIDE	2

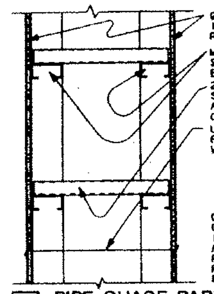
NOTE 1: LEAD LINING ON RADIATION SIDE OF PARTITION.
NOTE 2: LEAD LINING ON DARKROOM SIDE OF PARTITION.



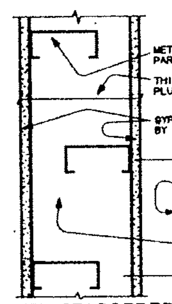
LL LEAD LINED PARTITION



PW PLYWOOD BACKING PARTITION



PC PIPE CHASE PARTITION



SS STAGGERED STUD PARTITION

PARTITION AND FURRING SCHEDULE

PARTITION TYPE	STUD SIZE	PARTITION THICKNESS	FIRE-RATING REFERENCE: PRIMARY	FIRE-RATING REFERENCE: SECONDARY	PARTITION LIMITING HEIGHT: TYPE A STUD	TYPE B STUD	TYPE C STUD	SOUND-RATED CONSTRUCTION: TYPE ONE	TYPE TWO	NOTES
NON-RATED PARTITIONS										
0A1	2-1/2"	3-3/4"	NOT FIRE-RATED	----------	12'-6"	13'-8"	16'-8"	N.A.	N.A.	SEE NOTE 16
0A2	3-5/8"	4-7/8"	NOT FIRE-RATED	----------	16'-8"	17'-3"	20'-6"	N.A.	N.A.	SEE NOTE 16
0A3	4"	5-1/4"	NOT FIRE-RATED	----------	17'-3"	19'-6"	22'-6"	N.A.	N.A.	SEE NOTE 16
0A4	6"	7-1/4"	NOT FIRE-RATED	----------	20'-8"	26'-6"	30'-8"	N.A.	N.A.	SEE NOTE 16
0B1	2-1/2"	3-3/4"	NOT FIRE-RATED	----------	12'-6"	13'-6"	16'-8"	N.A.	N.A.	----------
0B2	3-5/8"	4-7/8"	NOT FIRE-RATED	----------	16'-8"	17'-3"	20'-6"	N.A.	N.A.	----------
0B3	4"	5-1/4"	NOT FIRE-RATED	----------	17'-3"	19'-6"	22'-6"	N.A.	N.A.	----------
0B4	6"	7-1/4"	NOT FIRE-RATED	----------	20'-8"	26'-6"	30'-8"	N.A.	N.A.	----------
0C1	1-5/8"	2-1/4"	NOT FIRE-RATED	----------	10'-8"	12'-8"	14'-8"	N.A.	N.A.	SEE NOTE 16
0C2	2-1/2"	3-1/8"	NOT FIRE-RATED	----------	12'-6"	13'-8"	16'-8"	N.A.	N.A.	SEE NOTE 16
0C3	3-5/8"	4-1/4"	NOT FIRE-RATED	----------	16'-8"	17'-3"	20'-8"	N.A.	N.A.	SEE NOTE 16
0C4	4"	4-5/8"	NOT FIRE-RATED	----------	17'-3"	19'-8"	22'-6"	N.A.	N.A.	SEE NOTE 16
0C5	6"	6-5/8"	NOT FIRE-RATED	----------	20'-8"	26'-8"	30'-8"	N.A.	N.A.	SEE NOTE 16
0D1	7/8"	1-1/2"	NOT FIRE-RATED	----------	NO HEIGHT LIMIT			N.A.	N.A.	SEE NOTE 16
0E1	1"	1-5/8"	NOT FIRE-RATED	----------	12'-6"	13'-8"	16'-8"	N.A.	N.A.	SEE NOTE 16
0E2	1-1/2"	2-1/8"	NOT FIRE-RATED	----------	16'-8"	17'-3"	20'-6"	N.A.	N.A.	SEE NOTE 16
0E3	2"	2-5/8"	NOT FIRE-RATED	----------	17'-3"	19'-6"	22'-6"	N.A.	N.A.	SEE NOTE 16
0E4	3"	3-5/8"	NOT FIRE-RATED	----------	20'-8"	26'-6"	30'-8"	N.A.	N.A.	SEE NOTE 16
ONE HOUR FIRE-RATED PARTITIONS										
1A1	2-1/2"	3-3/4"	TABLE 43-B #15-1.1	SEE GA WP-1340	12'-8"	13'-8"	16'-8"	N.A.	STC 47	--------
1A2	3-5/8"	4-7/8"	TABLE 43-B #15-1.1	GA WP-1200	16'-8"	17'-3"	20'-8"	STC 42	STC 48	--------
1A3	4"	5-1/4"	TABLE 43-B #15-1.1	SEE GA WP-1200	17'-3"	19'-6"	22'-6"	N.A.	N.A.	--------
1A4	6"	7-1/4"	TABLE 43-B #15-1.1	SEE GA WP-1200	20'-8"	26'-6"	30'-8"	N.A.	N.A.	--------
1B1	2-1/2"	3-3/4"	TABLE 43-B #15-1.1	SEE GA WP-1340	12'-6"	13'-6"	16'-8"	N.A.	N.A.	SEE NOTE 11
1B2	3-5/8"	4-7/8"	TABLE 43-B #15-1.1	GA WP-1200	16'-8"	17'-3"	20'-6"	N.A.	N.A.	SEE NOTE 11
1B3	4"	5-1/4"	TABLE 43-B #15-1.1	SEE GA WP-1200	17'-3"	19'-8"	22'-6"	N.A.	N.A.	SEE NOTE 11
1B4	6"	7-1/4"	TABLE 43-B #15-1.1	SEE GA WP-1200	20'-8"	26'-6"	30'-8"	N.A.	N.A.	SEE NOTE 11
1C1	2-1/2"	4-3/8"	TABLE 43-B #15-1.1	GA WP-1821	12'-6"	13'-8"	16'-8"	N.A.	N.A.	--------
1C2	3-5/8"	5-1/2"	TABLE 43-B #15-1.1	SEE GA WP-1821	16'-8"	17'-3"	20'-8"	N.A.	STC 51	--------
1C3	4"	5-7/8"	TABLE 43-B #15-1.1	SEE GA WP-1821	17'-3"	19'-6"	22'-6"	N.A.	N.A.	--------
1C4	6"	7-7/8"	TABLE 43-B #15-1.1	SEE GA WP-1821	20'-8"	26'-6"	30'-6"	N.A.	N.A.	--------
1D1	2-1/2"	3-1/8"	L.A. APPR. #2484	GA WP-7080	N.A.	14'-8"	N.A.	N.A.	N.A.	SEE NOTE 12
1D2	4"	4-5/8"	L.A. APPR. #2484	SEE GA WP-7080	N.A.	17'-6"	N.A.	N.A.	N.A.	SEE NOTE 12
1D3	6"	6-5/8"	L.A. APPR. #2484	SEE GA WP-7080	N.A.	24'-8"	N.A.	N.A.	N.A.	SEE NOTE 12
1E1	3-5/8"	5-1/8"	TABLE 43-B #17-1.4	-------	N.A.	N.A.	20'-8"	N.A.	N.A.	--------
1E2	4"	5-1/2"	TABLE 43-B #17-1.4	-------	N.A.	N.A.	20'-6"	N.A.	N.A.	--------
1E3	6"	7-1/2"	TABLE 43-B #17-1.4	-------	N.A.	N.A.	24'-8"	N.A.	N.A.	--------
1F1	3-5/8"	6-3/4"	ICBO NO. 1841	-------	N.A.	N.A.	20'-8"	N.A.	N.A.	SEE NOTE 15
1F2	4"	7-1/8"	ICBO NO. 1841	-------	N.A.	N.A.	20'-6"	N.A.	N.A.	SEE NOTE 15
1F3	6"	9-1/8"	ICBO NO. 1841	-------	N.A.	N.A.	24'-8"	N.A.	N.A.	SEE NOTE 15
1G1	1-5/8"	24" MAX	UL DES U420	-------	10'-8"	12'-6"	15'-6"	N.A.	N.A.	SEE NOTE 14
1G2	2-1/2"	24" MAX	UL DES U420	-------	11'-8"	13'-6"	16'-8"	N.A.	N.A.	SEE NOTE 14
1G3	3-5/8"	24" MAX	UL DES U420	-------	14'-6"	17'-3"	20'-8"	N.A.	N.A.	SEE NOTE 14
1G4	4"	24" MAX	UL DES U420	-------	15'-8"	17'-9"	20'-6"	N.A.	N.A.	SEE NOTE 14
TWO HOUR FIRE-RATED PARTITIONS										
2A1	2-1/2"	5"	TABLE 43-B #15-1.2	GA WP-1540	13'-6"	14'-9"	16'-8"	STC 50	STC 54	--------
2A2	3-5/8"	6-1/8"	TABLE 43-B #15-1.2	SEE GA WP-1540	16'-9"	19'-8"	20'-8"	STC 48	STC 61	--------
2A3	4"	6-1/2"	TABLE 43-B #15-1.2	SEE GA WP-1540	17'-3"	20'-3"	22'-6"	N.A.	N.A.	--------
2A4	6"	8-1/2"	TABLE 43-B #15-1.2	SEE GA WP-1540	20'-8"	27'-6"	30'-8"	N.A.	N.A.	--------
2B1	2-1/2"	3-3/4"	L.A. APPR. #2484	GA WP-7095	N.A.	16'-3"	N.A.	STC 39	STC 47	SEE NOTE 12
2B2	4"	5-1/4"	L.A. APPR. #2484	SEE GA WP-7095	N.A.	18'-2"	N.A.	N.A.	N.A.	SEE NOTE 12
2B3	6"	7-1/4"	L.A. APPR. #2484	SEE GA WP-7095	N.A.	24'-8"	N.A.	N.A.	N.A.	SEE NOTE 12
2C1	2-1/2"	3-3/4"	L.A. APPR. #2484	GA WP-7117	N.A.	14'-8"	N.A.	STC 38	STC 47	SEE NOTE 12
2C2	4"	5-1/4"	L.A. APPR. #2484	SEE GA WP-7117	N.A.	18'-9"	N.A.	N.A.	N.A.	SEE NOTE 12
2C3	6"	7-1/4"	L.A. APPR. #2484	SEE GA WP-7117	N.A.	24'-6"	N.A.	N.A.	N.A.	SEE NOTE 12
2D1	3-5/8"	6-3/4"	ICBO NO. 1841	----------	N.A.	N.A.	20'-8"	N.A.	N.A.	SEE NOTE 15
2D2	4"	7-1/8"	ICBO NO. 1841	----------	N.A.	N.A.	20'-6"	N.A.	N.A.	SEE NOTE 15
2D3	6"	9-1/8"	ICBO NO. 1841	----------	N.A.	N.A.	24'-8"	N.A.	N.A.	SEE NOTE 15
2E1	CMU	5-5/8"	TABLE 43-B #5-1.1-4	----------	SEE STRUCTURAL DRWGS.			N.A.	N.A.	SEE NOTE 13
THREE HOUR FIRE-RATED PARTITIONS										
3A1	1-5/8"	5-3/8"	L.A. APPR. #2484	UL DES 435	10'-6"	12'-8"	14'-8"	N.A.	N.A.	--------
3A2	2-1/2"	6-1/4"	L.A. APPR. #2484	SEE UL DES 435	13'-6"	14'-9"	16'-8"	N.A.	N.A.	--------
3A3	3-5/8"	7-3/8"	L.A. APPR. #2484	SEE UL DES 435	16'-9"	19'-6"	20'-8"	N.A.	N.A.	--------
3A4	4"	7-3/4"	L.A. APPR. #2484	SEE UL DES 435	17'-3"	20'-3"	22'-6"	N.A.	N.A.	--------
3A5	6"	9-3/4"	L.A. APPR. #2484	SEE UL DES 435	20'-8"	27'-6"	30'-8"	N.A.	N.A.	--------
3B1	3-5/8"	6-3/4"	ICBO NO. 1841	----------	N.A.	N.A.	20'-8"	N.A.	N.A.	SEE NOTE 16
3B2	4"	7-1/8"	ICBO NO. 1841	----------	N.A.	N.A.	20'-6"	N.A.	N.A.	SEE NOTE 15
3B3	6"	9-1/8"	ICBO NO. 1841	----------	N.A.	N.A.	24'-8"	N.A.	N.A.	SEE NOTE 15
FOUR HOUR FIRE-RATED PARTITIONS										
4A1	1-5/8"	6-5/8"	L.A. APPR. #2484	UL DES 436	10'-6"	12'-8"	14'-8"	N.A.	STC 59	--------
4A2	2-1/2"	7-1/2"	L.A. APPR. #2484	SEE UL DES 435	13'-6"	14'-9"	16'-8"	N.A.	N.A.	--------
4A3	3-5/8"	8-5/8"	L.A. APPR. #2484	SEE UL DES 435	16'-9"	19'-6"	20'-8"	N.A.	N.A.	--------
4A4	4"	9"	L.A. APPR. #2484	SEE UL DES 435	17'-3"	20'-3"	22'-6"	N.A.	N.A.	--------
4A5	6"	11"	L.A. APPR. #2484	SEE UL DES 435	20'-8"	27'-8"	30'-8"	N.A.	N.A.	--------
4B1	3-5/8"	6-3/4"	ICBO NO. 1841	----------	N.A.	N.A.	20'-6"	N.A.	N.A.	SEE NOTE 15
4B2	4"	7-1/8"	ICBO NO. 1841	----------	N.A.	N.A.	20'-6"	N.A.	N.A.	SEE NOTE 15
4B3	6"	9-1/8"	ICBO NO. 1841	----------	N.A.	N.A.	24'-8"	N.A.	N.A.	SEE NOTE 15
4C1	CMU	5-5/8"	TABLE 43-B #5-1.1-4	----------	SEE STRUCTURAL DRWGS.			N.A.	N.A.	SEE NOTE 13

FOR ADDITIONAL INFORMATION, REFER TO PARTITION TYPE DETAILS ON SHEETS A9.01 AND A9.02

ADDITIONAL PARTITION COMPONENT SCHEDULE

ADDITIONAL COMPONENT GROUP AS INDICATED BY PARTITION SCHED.	A	B	C	D	E	F	G	H	J	K	L	M	N	P	R	S
NO ADDITIONAL COMPONENTS	●															
ADDITIONAL COMPONENT NO. 1		●	●	●		●	●		●	●		●	●		●	●
ADDITIONAL COMPONENT NO. 2			●	●			●			●			●			●
ADDITIONAL COMPONENT NO. 3				●												
ADDITIONAL COMPONENT NO. 4					●	●	●									
ADDITIONAL COMPONENT NO. 5								●	●	●						
ADDITIONAL COMPONENT NO. 6											●	●	●			
ADDITIONAL COMPONENT NO. 7														●	●	●
NOT SOUND-RATED	●	●			●	●		●	●		●			●		
SOUND-RATED CONSTRUCT. TYPE 1			●									●	●		●	●
SOUND-RATED CONSTRUCT. TYPE 2				●			●			●						

NO. 1 SEAL PERIMETER OF CONSTRUCTION WITH CONTINUOUS BEAD OF ACOUSTICAL SEALANT. ISOLATE PARTITION FROM ALL PIPE AND DUCT PENETRATION BY STOPPING GYPSUM BOARD A MINIMUM OF 1 INCH FROM PIPE OR DUCT. AFTER INSTALLATION OF FIRE-SAFING WHERE REQUIRED TO ACHIEVE INDICATED FIRE-RATING, SEAL GAP BETWEEN BOARD AND PIPE OR DUCT WITH BACKER ROD AND ACOUSTICAL SEALANT. CLOSE OFF ALL SOUND-FLANKING PATHS THROUGH OR AROUND PARTITION, INCLUDING SEALING OF PERIMETER JOINTS, AND PENETRATIONS ABOVE ACOUSTICAL OR SUSPENDED CEILINGS.

NO. 2 PROVIDE OUTLET BOX PADS AT ALL ELECTRICAL, TELEPHONE OR DATA OUTLETS AND SWITCH BOXES. MOLD OUTLET BOX PAD CAREFULLY AROUND BOX AFTER BOX IS SECURELY ATTACHED TO STUD AND BEFORE GYPSUM DRYWALL IS INSTALLED. ENSURE ALL OPENINGS ARE SEALED WITH OUTLET BOX SEALANT MATERIALS.

NO. 3 PROVIDE TYPE 1 UNFACED SEMI-RIGID SOUND ATTENUATION BLANKET IN STUD CAVITY SPACE. USE 3 INCH THICK BLANKET WHERE CAVITY IS 3-1/2 INCHES OR GREATER - OTHERWISE USE 1-1/2 INCH BLANKET.

NO. 4 PROVIDE R-11 GLASS FIBER BATT THERMAL INSULATION IN STUD CAVITY SPACE.

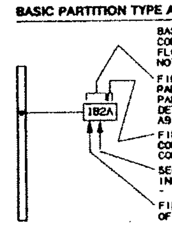
NO. 5 PROVIDE R-19 GLASS FIBER BATT THERMAL INSULATION IN STUD CAVITY SPACE.

NO. 6 PROVIDE R-11 EXTRUDED POLYSTYRENE BOARD THERMAL INSULATION IN STUD CAVITY SPACE.

NO. 7 PROVIDE R-19 EXTRUDED POLYSTYRENE BOARD THERMAL INSULATION IN STUD CAVITY SPACE.

PARTITION TYPE INDICATION

BASIC PARTITION TYPE AND ADDITIONAL COMPONENTS



BASIC PARTITION TYPE AND ADDITIONAL COMPONENTS ARE INDICATED ON THE FLOOR PLANS BY THE FOLLOWING NOTATION:

FIRST THREE DIGITS INDICATE BASIC PARTITION TYPE - REFER TO THE PARTITION SCHEDULE AND PARTITION DETAILS ON THIS SHEET AND SHEET A9.02.

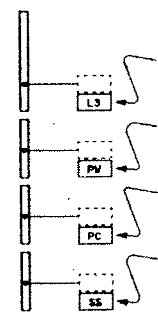
FINAL DIGIT INDICATES ADDITIONAL COMPONENTS - REFER TO THE ADDITIONAL COMPONENT SCHEDULE ON THIS SHEET.

SECOND AND THIRD DIGITS TOGETHER INDICATE CONSTRUCTION AND STUD SIZE - IF APPLICABLE.

FIRST DIGIT INDICATES FIRE-RATING OF PARTITION IN HOURS

SPECIAL PARTITION COMPONENTS

SPECIAL PARTITION COMPONENTS ARE INDICATED ON THE FLOOR PLANS BY THE FOLLOWING NOTATION:



LEAD LINED PARTITION
SIMILAR TO BASIC PARTITION TYPE EXCEPT LEAD LINING ADDED AS SHOWN BY DETAIL LL

PLYWOOD BACKING PARTITION
SIMILAR TO BASIC PARTITION TYPE EXCEPT PLYWOOD BACKING ADDED AS SHOWN BY DETAIL PW

NON-RATED PIPE CHASE PARTITION
SIMILAR TO BASIC PARTITION TYPE EXCEPT STUDS ARE DOUBLED AS SHOWN BY DETAIL PC

STAGGERED STUD PARTITION
SIMILAR TO BASIC PARTITION TYPE EXCEPT STUDS ARE STAGGERED AS SHOWN BY DETAIL SS

PARTITION SCHEDULE NOTES

1. CAUTION: THIS DRAWING AND PARTITION/FURRING SCHEDULE MAY CONTAIN PARTITION/FURRING TYPES AND/OR DETAILS WHICH - IN SOME INSTANCES - MAY NOT BE APPLICABLE TO THIS PROJECT. REFER TO THE FLOOR PLANS TO DETERMINE THE TYPES, LOCATION, AND EXTENT OF PARTITIONS AND/OR FURRING USED ON THIS PROJECT.
2. ADDITIONAL PARTITION/FURRING TYPES ARE SHOWN ON SHEET A9.82.
3. FOR ADDITIONAL INFORMATION REGARDING PARTITION AND FURRING CONSTRUCTION AND FRAMING - REFER TO PARTITION FRAMING AND BACKING DETAILS ON SHEET A9.83.
4. PARTITIONS AND FURRING ARE DIMENSIONED TO FACE OF CONSTRUCTION INDICATED BY PARTITION/FURRING TYPE DETAILS - UNLESS OTHERWISE NOTED.
5. PARTITION/FURRING TYPE INDICATIONS ARE INDEPENDENT OF APPLIED FINISHES - IF ANY. SEE DESIGNATION ON FLOOR PLANS FOR INFORMATION REGARDING APPLIED FINISHES.
6. THE SPACINGS OF FRAMING MEMBERS INDICATED BY THE DETAILS ARE MAXIMUM SPACINGS. THE SIZE OF FRAMING MEMBERS INDICATED BY THE DETAILS ARE MINIMUM SIZES. INSTALL PARTITION/FURRING TYPES USING THE SIZES AND SPACINGS INDICATED BUT NOT LESS THAN THAT REQUIRED BY THE SPECIFIED METAL FRAMING INSTALLATION STANDARD FOR THE APPLICATION OR CONFIGURATION INTENDED.
7. INSTALL SUPPLEMENTARY FRAMING, BLOCKING AND BRACING AT TERMINATIONS IN THE WORK AND FOR SUPPORT OF FIXTURES, EQUIPMENT, SERVICES, HEAVY TRIM, GRAB BARS, TOILET ACCESSORIES, FURNISHINGS AND OTHER SIMILAR WORK. REFER TO PARTITION FRAMING AND BLOCKING DETAILS ON SHEET A9.83.
8. WHERE PARTITION TYPE DESIGNATION ON FLOOR PLANS IS INTERRUPTED BY DOOR OPENING, GLAZED PARTITIONS, ETC. - CONSTRUCTION ABOVE (AND - WHERE OCCURS - BELOW) IS TO BE THE SAME AS THAT DESIGNATED FOR THE PARTITION IN WHICH IT OCCURS.
9. ISOLATE METAL STUD FRAMING FROM TRANSFER OF STRUCTURAL LOADING TO FRAMING - BOTH HORIZONTALLY AND VERTICALLY. CUT STUDS SHORT AS INDICATED AND SEE PARTITION FRAMING DETAILS ON SHEET A9.83.
10. INSTALL TYPE X WATER-RESISTANT GYPSUM BACKING BOARD IN LIEU OF FACE LAYER OF GYPSUM BOARD - WHERE GYPSUM BOARD OCCURS - AT THE FOLLOWING LOCATIONS:
    - AT "WET" LOCATIONS - SUCH AS SHOWER STALLS AND TUB SURROUNDS.
    - WITHIN 2 FEET HORIZONTALLY AND 4 FEET VERTICALLY OF JANITOR SINKS.
    - AT LOCATIONS WHERE CERAMIC OR STONE TILE FINISH IS INDICATED.
    - AT OTHER LOCATIONS AS INDICATED BY THE FINISH SCHEDULE.
11. WHERE PARTITION TYPE INDICATES AND ALLOWED BY APPLICABLE CODE(S), GYPSUM BOARD MAY BE OMITTED AS SHOWN ABOVE ONE HOUR FIRE-RATED CEILING ON CORRIDOR SIDE. GYPSUM BOARD ON ROOM-SIDE CONTINUES AS SHOWN TO UNDERSIDE OF FIRE-RATED STRUCTURE ABOVE. REFERENCE: SECTION 3305(O) 1988 UBC/1990 LABC
12. WHERE INDICATED FIRE-RATING REFERENCE DESCRIBES AN ASSEMBLY USING PROPRIETARY COMPONENTS, REFER TO SPECIFICATIONS FOR SIMILAR ASSEMBLIES - IF ANY - UTILIZING ALTERNATE COMPONENTS WHICH ARE ACCEPTABLE FOR USE ON THIS PROJECT.
13. FOR ADDITIONAL INFORMATION REGARDING REINFORCEMENT AND CONSTRUCTION OF REINFORCED CONCRETE MASONRY UNIT (CMU) PARTITIONS, REFER TO STRUCTURAL DRAWINGS.
14. INDICATED PARTITION TYPES MAY - IN SOME INSTANCES - UTILIZE METAL STUDS HAVING GREATER DEPTHS THAN THOSE TESTED BY REFERENCED FIRE-RATING STANDARDS. WHERE PARALLEL ROWS OF STUDS ARE INDICATED FOR PIPE-CHASE PARTITIONS, INDICATED DISTANCE BETWEEN ROWS MAY BE GREATER THAN DISTANCE TESTED BY REFERENCED FIRE-RATING STANDARD.
15. PARTITION TYPE GROUPS 1F, 2D, 3B, AND 4B MAY BE CONSTRUCTED FROM SINGLE SIDE BY PLACING PAPER-BACKED METAL LATH ON EXTERIOR FACE THEN INSTALLING 7/8" CEMENT PLASTER FROM INTERIOR SIDE BEFORE SPRAYING VERMICULITE CONCRETE INTO STUD CAVITY SPACE.
16. FOR PARTITIONS TYPES WHERE GYPSUM BOARD IS INDICATED TO TERMINATE 4 INCHES ABOVE CEILING LINE: WHERE CEILING DOES NOT OCCUR OR WHERE INSULATION IS INDICATED - EXTEND GYPSUM BOARD TO STRUCTURE ABOVE.
17. HEIGHT OF PARTITION NOT TO EXCEED MAXIMUM INDICATED BY LIMITING HEIGHT SCHEDULE FOR EACH METAL STUD TYPE SHOWN. WHERE HEIGHT GREATER THAN ALLOWED FOR METAL STUD TYPE INDICATED BY BASIC PARTITION IS REQUIRED, USE HEAVIER-GAGE METAL STUD IN LIEU OF INDICATED STUD TYPE.

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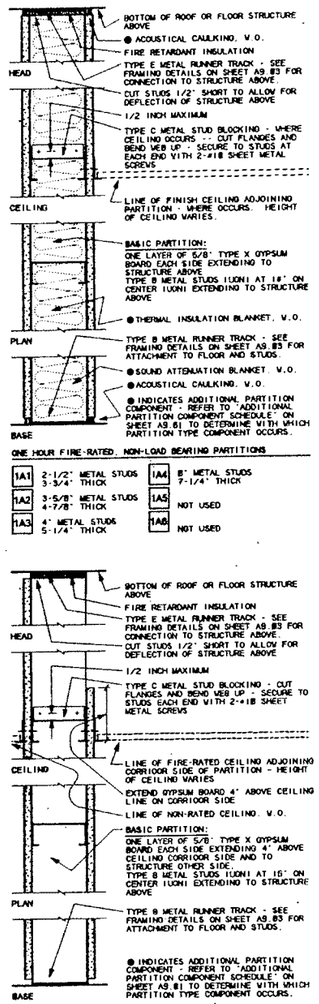
Kaiser Permanente Medical Care Program
Southern California Region

PARTITION SCHEDULE AND PARTITION TYPE DETAILS

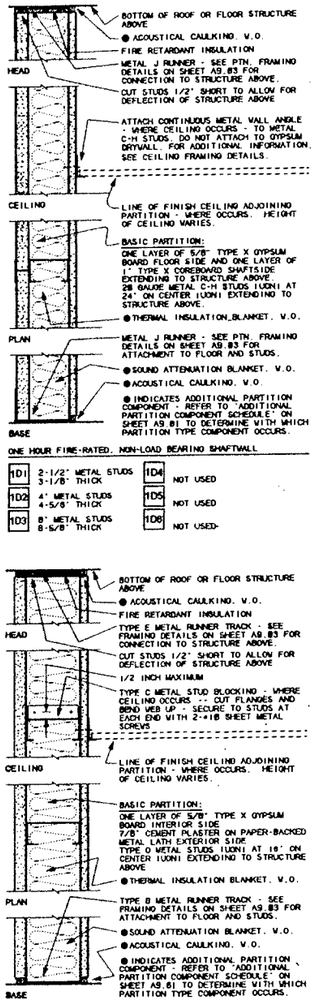
Project No.		Drawing No.
19210.01	B BIDDING	A9.01
Date 22 APR 1991		

000673



ONE HOUR FIRE-RATED, NON-LOAD BEARING PARTITIONS

1A1	2-1/2" METAL STUDS 3-3/4" THICK	1A4	8" METAL STUDS 7-1/4" THICK
1A2	3-5/8" METAL STUDS 4-7/8" THICK	1A5	NOT USED
1A3	4" METAL STUDS 5-1/4" THICK	1A6	NOT USED



ONE HOUR FIRE-RATED, NON-LOAD BEARING SHAFTWALL

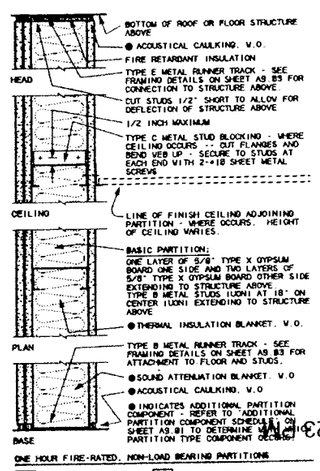
1D1	2-1/2" METAL STUDS 3-1/8" THICK	1D4	NOT USED
1D2	4" METAL STUDS 4-5/8" THICK	1D5	NOT USED
1D3	8" METAL STUDS 8-5/8" THICK	1D6	NOT USED

ONE HOUR FIRE-RATED, NON-LOAD BEARING PARTITIONS

1B1	2-1/2" METAL STUDS 3-3/4" THICK	1B4	6" METAL STUDS 7-1/4" THICK
1B2	3-5/8" METAL STUDS 4-7/8" THICK	1B5	NOT USED
1B3	4" METAL STUDS 5-1/4" THICK	1B6	NOT USED

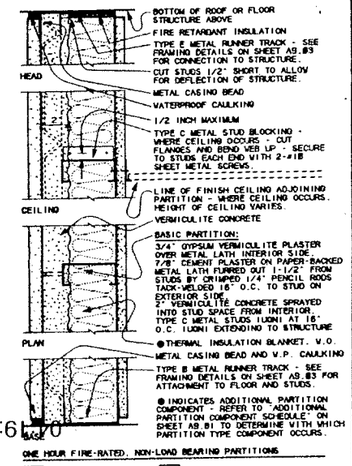
ONE HOUR FIRE-RATED, NON-LOAD BEARING PARTITIONS

1E1	3-5/8" METAL STUDS 5-1/8" THICK	1E4	NOT USED
1E2	4" METAL STUDS 5-1/2" THICK	1E5	NOT USED
1E3	6" METAL STUDS 7-1/2" THICK	1E6	NOT USED



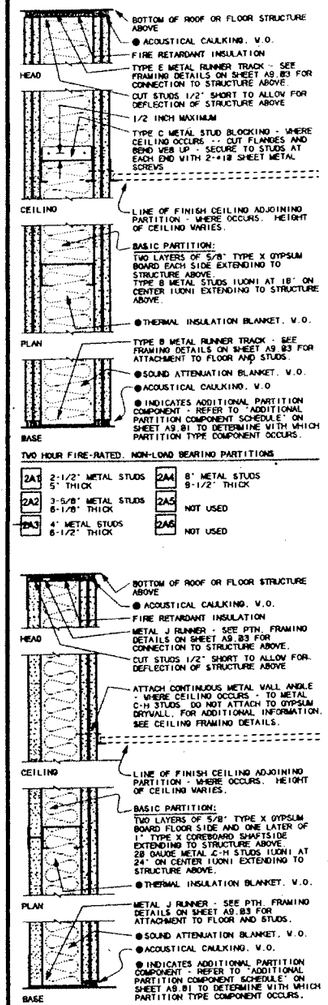
ONE HOUR FIRE-RATED, NON-LOAD BEARING PARTITIONS

1C1	2-1/2" METAL STUDS 4-3/8" THICK	1C4	6" METAL STUDS 7-7/8" THICK
1C2	3-5/8" METAL STUDS 5-1/2" THICK	1C5	NOT USED
1C3	4" METAL STUDS 5-7/8" THICK	1C6	NOT USED



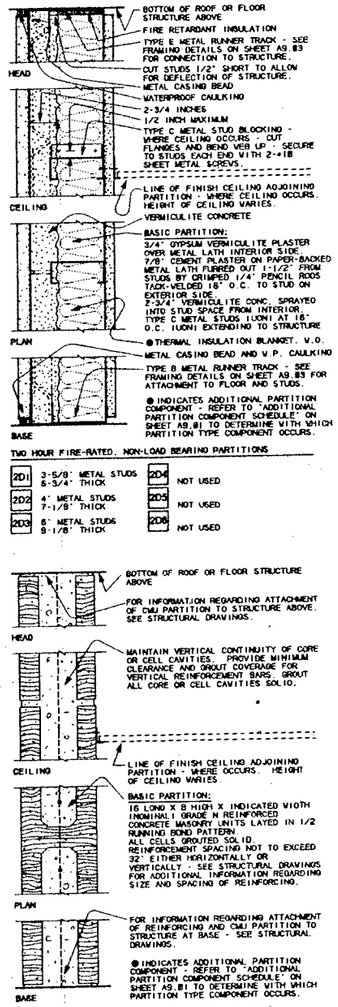
ONE HOUR FIRE-RATED, NON-LOAD BEARING PARTITIONS

1F1	3-5/8" METAL STUDS 6-3/4" THICK	1F4	NOT USED
1F2	4" METAL STUDS 7-1/8" THICK	1F5	NOT USED
1F3	6" METAL STUDS 9-1/8" THICK	1F6	NOT USED



TWO HOUR FIRE-RATED, NON-LOAD BEARING PARTITIONS

2A1	2-1/2" METAL STUDS 5" THICK	2A4	8" METAL STUDS 9-1/2" THICK
2A2	3-5/8" METAL STUDS 6-1/8" THICK	2A5	NOT USED
2A3	4" METAL STUDS 6-1/2" THICK	2A6	NOT USED

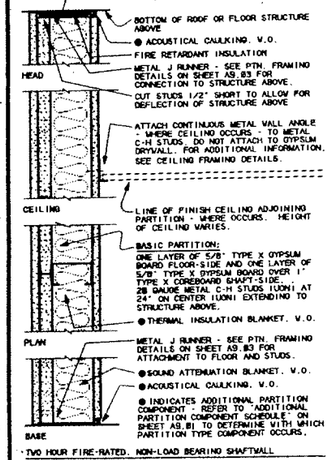


TWO HOUR FIRE-RATED, NON-LOAD BEARING PARTITIONS

2D1	3-5/8" METAL STUDS 5-3/4" THICK	2D4	NOT USED
2D2	4" METAL STUDS 7-1/8" THICK	2D5	NOT USED
2D3	6" METAL STUDS 9-1/8" THICK	2D6	NOT USED

TWO HOUR FIRE-RATED, NON-LOAD BEARING SHAFTWALLS

2B1	2-1/2" METAL STUDS 3-3/4" THICK	2B4	NOT USED
2B2	4" METAL STUDS 5-1/4" THICK	2B5	NOT USED
2B3	8" METAL STUDS 7-1/4" THICK	2B6	NOT USED

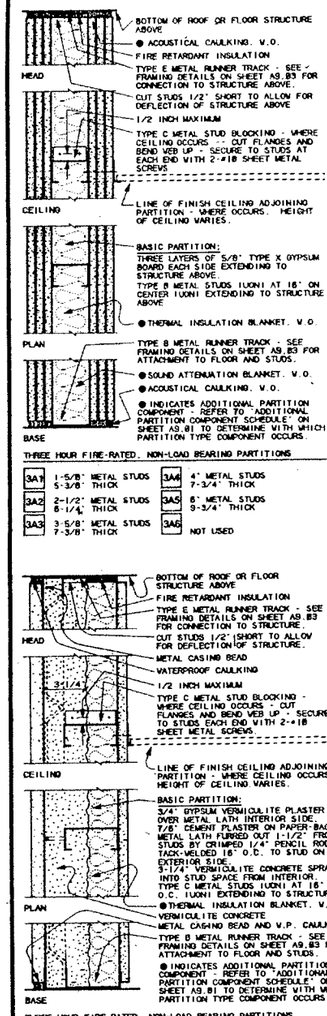


TWO HOUR FIRE-RATED, NON-LOAD BEARING SHAFTWALL

2C1	2-1/2" METAL STUDS 3-3/4" THICK	2C4	NOT USED
2C2	4" METAL STUDS 5-1/4" THICK	2C5	NOT USED
2C3	6" METAL STUDS 7-1/4" THICK	2C6	NOT USED

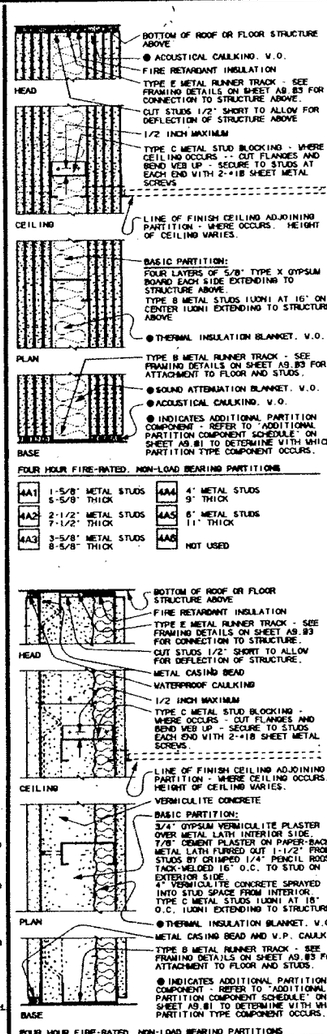
TWO HOUR FIRE-RATED, NON-LOAD BEARING PARTITIONS

2E1	16L X 8H X 8W 5-5/8" THICK		
2E2	16L X 8H X 8W 7-5/8" THICK		
2E3	16L X 8H X 12W 11-5/8" THICK		



THREE HOUR FIRE-RATED, NON-LOAD BEARING PARTITIONS

3A1	1-5/8" METAL STUDS 5-3/8" THICK	3A4	4" METAL STUDS 7-3/4" THICK
3A2	2-1/2" METAL STUDS 6-1/4" THICK	3A5	6" METAL STUDS 9-3/4" THICK
3A3	3-5/8" METAL STUDS 7-3/8" THICK	3A6	NOT USED

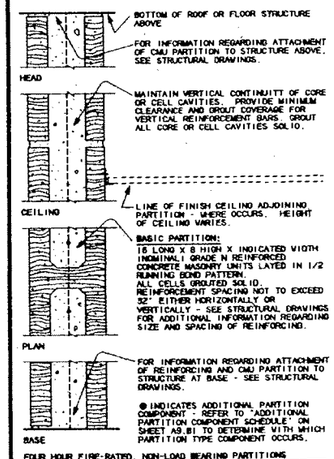


FOUR HOUR FIRE-RATED, NON-LOAD BEARING PARTITIONS

4A1	1-5/8" METAL STUDS 5-5/8" THICK	4A4	4" METAL STUDS 9" THICK
4A2	2-1/2" METAL STUDS 7-1/2" THICK	4A5	6" METAL STUDS 11" THICK
4A3	3-5/8" METAL STUDS 8-5/8" THICK	4A6	NOT USED

FOUR HOUR FIRE-RATED, NON-LOAD BEARING PARTITIONS

4B1	3-5/8" METAL STUDS 8-3/4" THICK	4B4	NOT USED
4B2	4" METAL STUDS 7-1/8" THICK	4B5	NOT USED
4B3	6" METAL STUDS 9-1/8" THICK	4B6	NOT USED



FOUR HOUR FIRE-RATED, NON-LOAD BEARING PARTITIONS

4C1	16L X 8H X 8W 7-5/8" THICK		
4C2	16L X 8H X 12W 11-5/8" THICK		
4C3	NOT USED		

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No.	Date

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Kaiser Permanente Medical Care Program
Southern California Region

PARTITION TYPE DETAILS

Project No.		Drawing No.
19210.01	B	A9.02
Date 01 APR. 1991	BIDDING	

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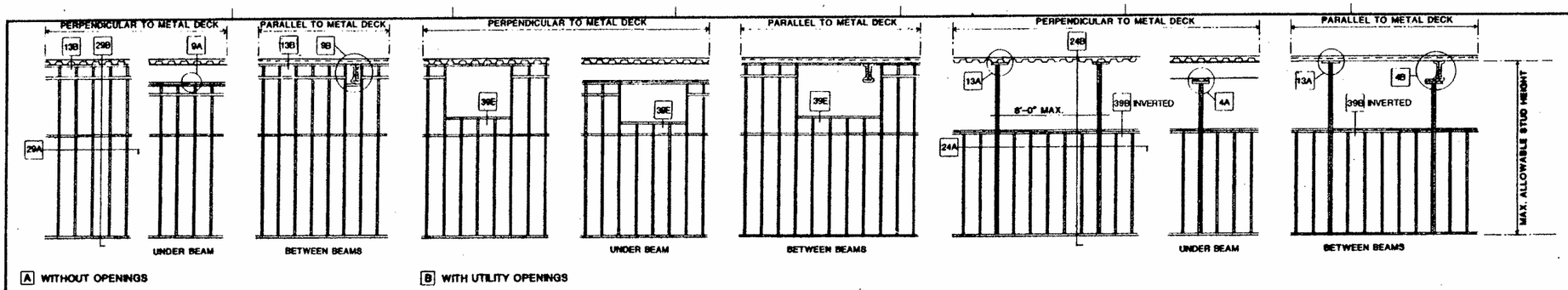
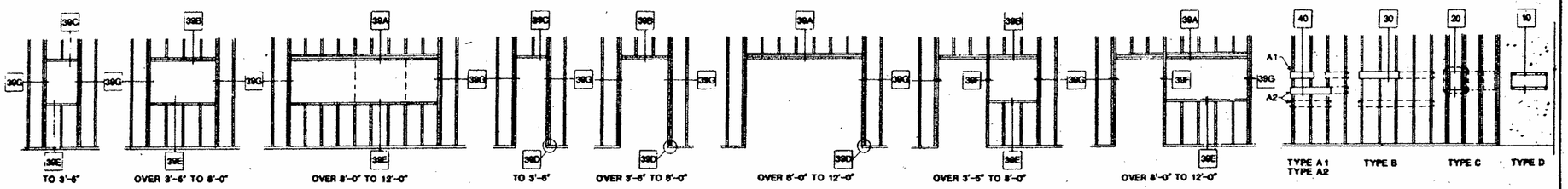


A WITHOUT OPENINGS

B WITH UTILITY OPENINGS

36 ELEVATIONS: ALL STUDS TO STRUCTURE ABOVE

16 ELEVATIONS: INTERMITTENT COLUMN STUDS TO STRUCTURE ABOVE



37 GLAZED OPENINGS

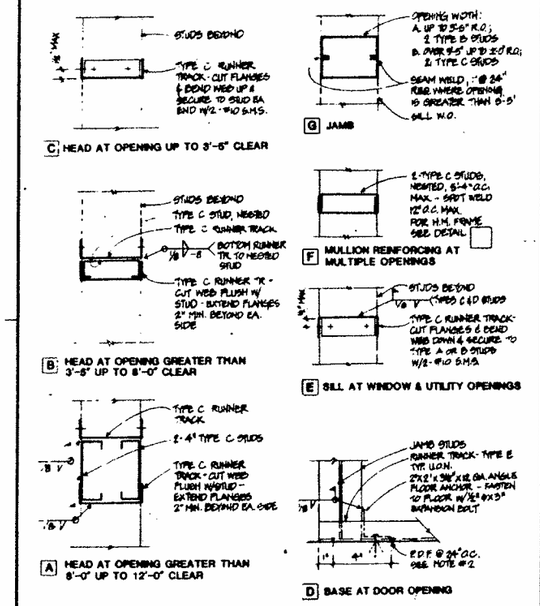
27 DOOR OPENINGS & CASED/UNCASED OPENINGS

17 COMBINATION DOOR OPENINGS & GLAZED OPENINGS

12 BACKING PLATES

SHEET NOTES

1. CAUTION: THIS DRAWINGS CONTAINS STANDARD DETAILS. THEREFORE, THIS DRAWING MAY CONTAIN DETAILS WHICH - IN SOME INSTANCES - ARE NOT APPLICABLE TO THIS PROJECT. REFER TO THE FLOOR PLANS, PARTIAL BUILDING SECTIONS, REFLECTED CEILING PLANS, AND ARCHITECTURAL DETAILS TO DETERMINE WHICH DETAILS ARE APPLICABLE TO THIS PROJECT.
2. THE SPACINGS OF FRAMING MEMBERS INDICATED BY THE DETAILS ARE MAXIMUM SPACINGS. THE SIZE OF FRAMING MEMBERS INDICATED BY THE DETAILS ARE MINIMUM SIZES. INSTALL FRAMING USING THE SIZES AND SPACINGS INDICATED BUT NOT LESS THAN THAT REQUIRED BY THE SPECIFIED METAL FRAMING INSTALLATION STANDARD FOR THE APPLICATION OR CONFIGURATION INTENDED.
3. SUPPLEMENTARY FRAMING, PARTITION STIFFENERS, BRIDGING, CHANNEL REINFORCEMENT, BLOCKING, HORIZONTAL BRACING, AND/OR FURRING CHANNELS ARE NOT INDICATED ON THIS DRAWING, BUT SHALL BE PROVIDED AS REQUIRED - SEE BOOK OF SPECIFICATIONS.
4. POWDER DRIVEN FASTENERS (P.D.F.) SHALL BE 0.145" MIN. SHANK DIAMETER BY 1-1/2" (38 MM) MIN. LENGTH, WITH A 5/16" (8 MM) MIN. STEEL WASHER.
5. ISOLATE METAL STUD FRAMING FROM TRANSFER OF STRUCTURAL LOADING TO FRAMING - BOTH HORIZONTALLY AND VERTICALLY. SEE DETAILS 13, 14, 24, AND 29 ON THIS SHEET.
6. HEIGHT OF METAL STUDS NOT TO EXCEED MAXIMUM INDICATED BY LIMITING HEIGHT SCHEDULE FOR EACH METAL STUD TYPE SHOWN - SEE PARTITION AND FURRING SCHEDULE ON SHEET A9.01. WHERE HEIGHT GREATER THAN ALLOWED FOR METAL STUD TYPE INDICATED BY BASIC PARTITION IS REQUIRED, USE HEAVIER-GAGE METAL STUD IN LIEU OF INDICATED STUD TYPE.
7. FOR ADDITIONAL NOTES WHICH MAY BE APPLICABLE TO THE PARTITION FRAMING DETAILS, SEE PARTITION SCHEDULE NOTES ON SHEET A9.01.



C HEAD AT OPENING UP TO 3'-6" CLEAR

G JAMB

B HEAD AT OPENING GREATER THAN 3'-6" UP TO 8'-0" CLEAR

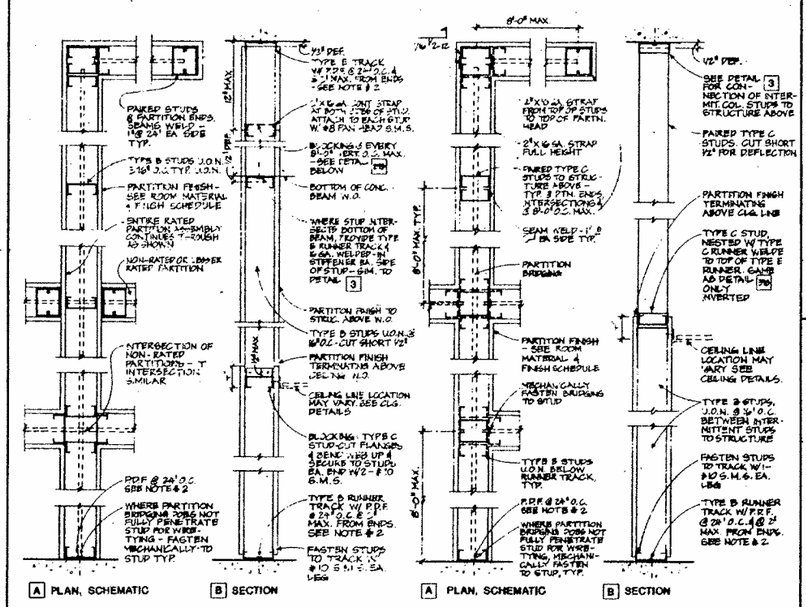
F MULLION REINFORCING AT MULTIPLE OPENINGS

E SILL AT WINDOW & UTILITY OPENINGS

A HEAD AT OPENING GREATER THAN 8'-0" UP TO 12'-0" CLEAR

D BASE AT DOOR OPENING

39 OPENING DETAILS



A PLAN, SCHEMATIC

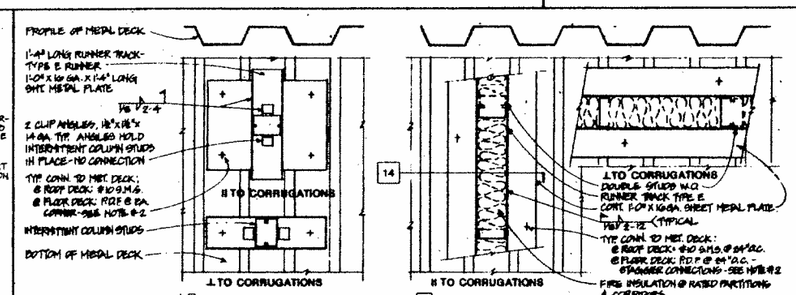
B SECTION

29 PARTITION FRAMING: ALL STUDS TO STRUCTURE ABOVE

A PLAN, SCHEMATIC

B SECTION

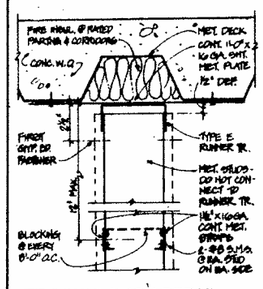
24 PARTITION FRAMING: INTERMITTENT COL. STUDS TO STRUCTURE ABOVE



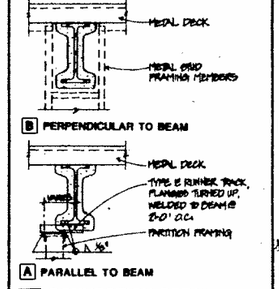
A INTERMITTENT COLUMN STUDS

B FULL HEIGHT STUDS

13 HEAD CONNECTIONS TO METAL DECKING REFLECTED CEILING PLAN



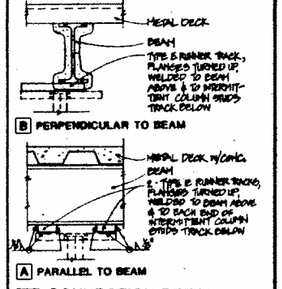
14 CONNECTION DETAIL: FULL HT. STUDS TO MET. DECK



B PERPENDICULAR TO BEAM

A PARALLEL TO BEAM

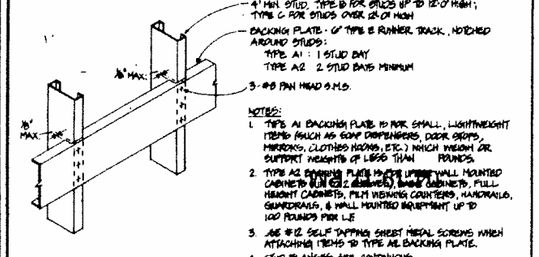
9 CONNECTION DETAIL: FULL HEIGHT STUDS TO BEAM



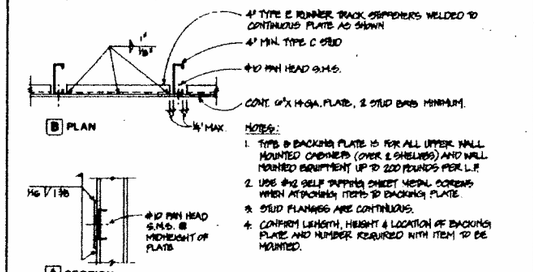
B PERPENDICULAR TO BEAM

A PARALLEL TO BEAM

4 CONNECTION DETAIL: INTERMIT. COL. STUDS TO BEAM



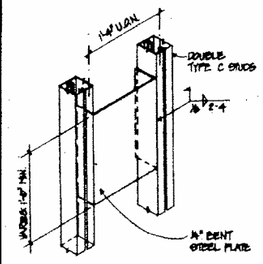
40 TYPES A1 & A2 BACKING PLATES



NOTES:

1. TYPE B BACKING PLATE IS FOR ALL UPPER WALL MOUNTED CABINETS (OVER 2 SHELVES) AND WALL MOUNTED EQUIPMENT UP TO 200 POUNDS PER L.F.
2. USE #12 SELF TAPPING SHEET METAL SCREWS WHEN ATTACHING ITEMS TO BACKING PLATE.
3. STUD FLANGES ARE CONTINUOUS.
4. CONFIRM LENGTH, HEIGHT & LOCATION OF BACKING PLATE AND NUMBER REQUIRED WITH ITEM TO BE MOUNTED.

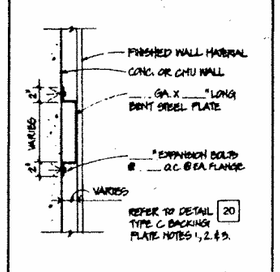
30 TYPE B BACKING PLATE



NOTES:

1. TYPE C BACKING PLATE IS FOR WALL MOUNTED EQUIPMENT AS DEMONSTRATED
2. FOR THE METHOD OF FASTENING THE EQUIPMENT TO THE BACKING PLATE, REFER TO THE MOUNTING INSTRUCTIONS FOR THE EQUIPMENT OR TO THE APPROPRIATE DETAIL.
3. CONFIRM LENGTH, HEIGHT & LOCATION OF BACKING PLATE AND NUMBER REQUIRED WITH ITEM TO BE MOUNTED.
4. FOR ITEMS OVER 1-4" WIDE, THE DETAIL MAY BE REPEATED AS NECESSARY:

20 TYPE C BACKING PLATE



10 TYPE D BACKING PLATE

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Laboratory Electrical Engineer

Revisions

No.	Date

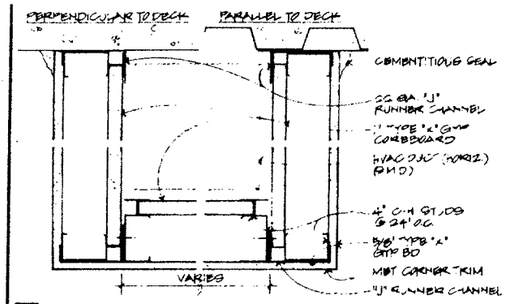
Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

PARTITION FRAMING AND BACKING PLATE DETAILS

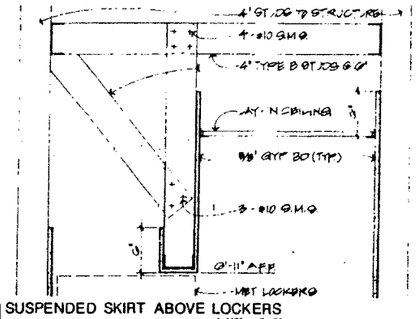
Project No.		Drawing No.
19210.01	B	A9.03
Date 01 APR. 1991	BIDDING	

000675

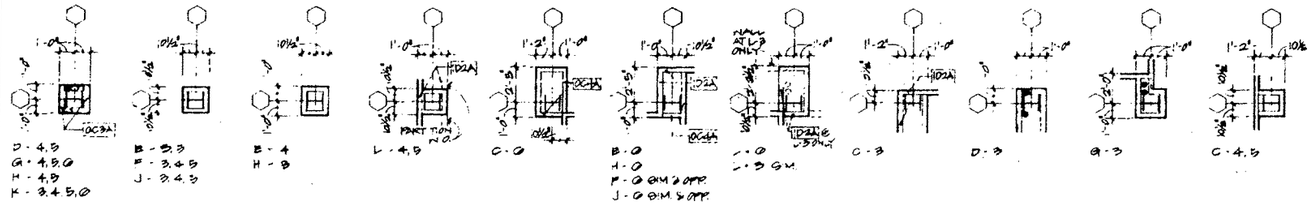


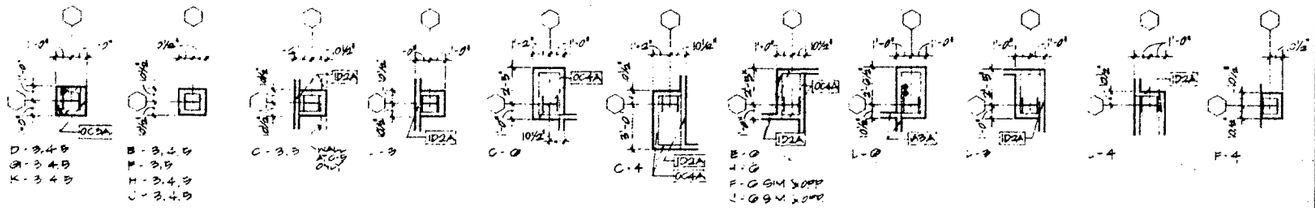
36 TYP. 1-HOUR RATED HORIZ. DUCT ENCLOSURE 3" = 1'-0"

NOTE: IN CONFORMANCE WITH ICBO REPORT NO. 2844.



37 SUSPENDED SKIRT ABOVE LOCKERS 1 1/2" = 1'-0"





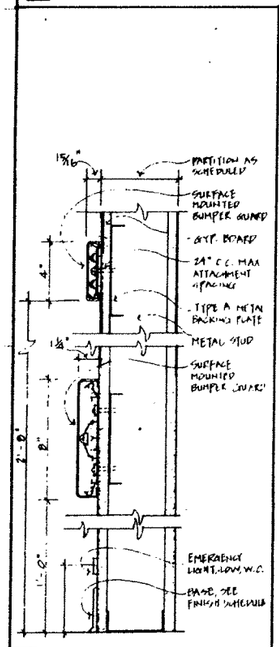
NOTES

1. NOTA... ADJACENT PARTITIONS ARE SHOWN. SEE PLANS FOR DIFFERENT CONDITIONS
2. FURRING PART ON TYPE ROOM ON. SEE SHEET A9.01 FOR PART ON SCHEDULE & DETAILS

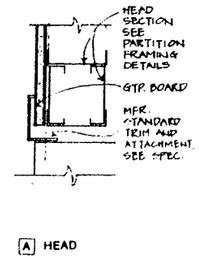
LEGEND

- FURRING FOR RECESSED FIXTURE SHOWN - SEE PLUMBING DRAWINGS.
- FURRING AT CERTAIN LOCATIONS ONLY - SEE PLANS & PLUMBING DRAWINGS
- "INTERGRID" ON TOP TWO COLUMN FURRING

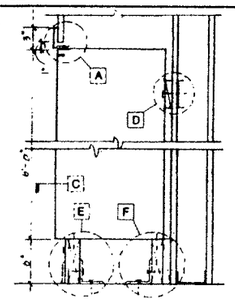
22 LABORATORY COLUMN FURRING SCHEDULE



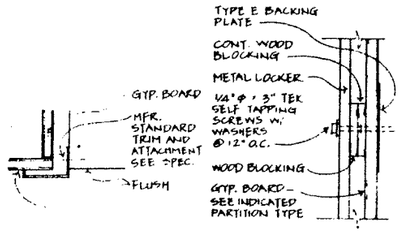
39 BUMPER RAIL 3" = 1'-0"



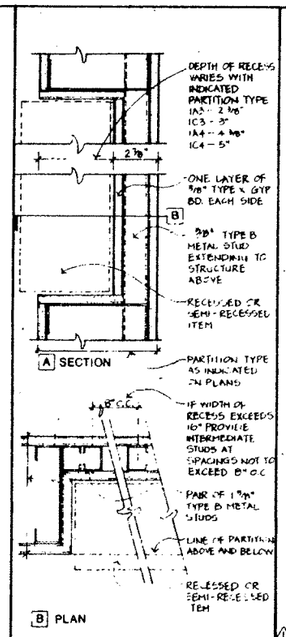
A HEAD



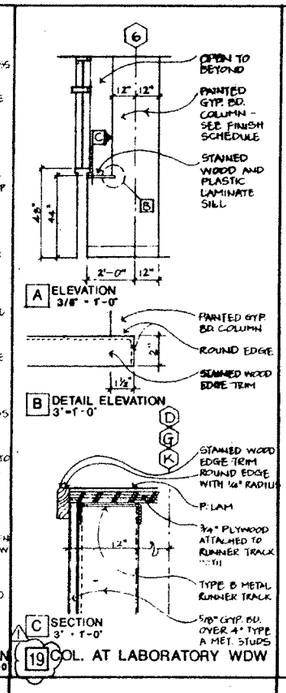
B SECTION



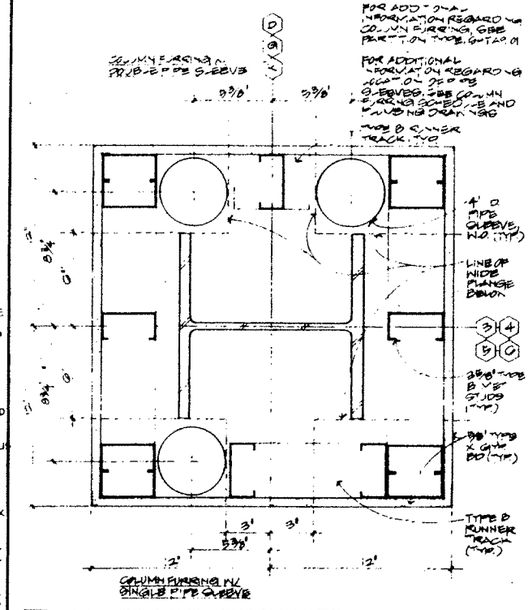
C JAMB



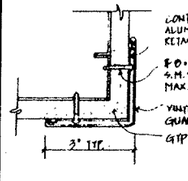
24 RECESS IN 1-HR. RATED PARTN 3" = 1'-0"



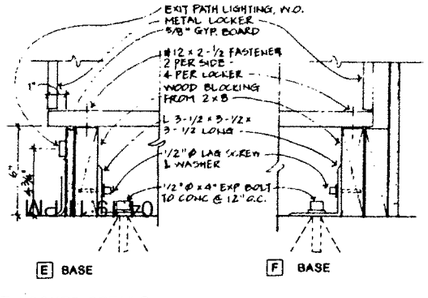
19 COL. AT LABORATORY WDW



14 TYP. LABORATORY COLUMN FRAMING 3" = 1'-0"

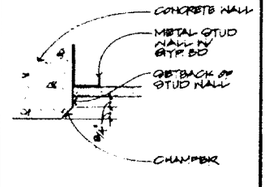


40 CORNER GUARD 6" = 1'-0"

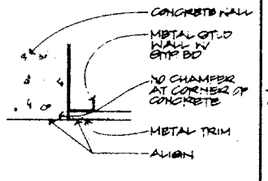


E BASE F BASE

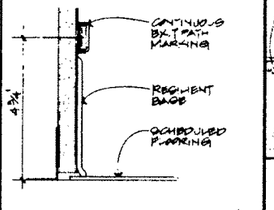
35 LOCKER DETAILS 3" = 1'-0"



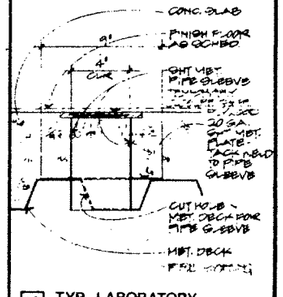
25 WALL TRANSITION PLAN SECTION 3" = 1'-0"



20 WALL TRANSITION PLAN SECTION 3" = 1'-0"



15 LOW LEVEL EXIT MARKING AT RESILIENT BASE 6" = 1'-0"



10 TYP. LABORATORY PIPE SLEEVE 3" = 1'-0"

SHEET NOTES

1. NOTE REGARDING DETAIL 22 - LABORATORY COLUMN FURRING SCHEDULE

   THE PURPOSE OF THIS SCHEDULE IS TO ILLUSTRATE THE DIMENSIONS, PARTITION TYPES, AND PIPING LOCATION AT THE LABORATORY BLOCK COLUMNS ON LAB LEVEL ONE AND LAB LEVEL TWO. FOR ADDITIONAL INFORMATION REGARDING THESE COLUMNS, SEE DETAIL 14 ON THIS SHEET.
2. NOTE REGARDING DETAIL 14 - TYPICAL LABORATORY COLUMN FURRING

   USE THIS DETAIL IN CONJUNCTION WITH DETAIL 22 ON THIS SHEET. PROVIDE OPEN PIPE SLEEVES AT COLUMNS WHERE INDICATED BY THE VARIOUS LABORATORY MECHANICAL, PLUMBING, AND ARCHITECTURAL DRAWINGS.
3. NOTE REGARDING DETAIL 10 - TYPICAL LABORATORY PIPE SLEEVE

   DETAIL SHOWS TYPICAL ACTIVE PIPE SLEEVE AND, WHERE INDICATED, TEMPORARY CLOSURE OF PIPE SLEEVE TO ALLOW INSTALLATION OF FINISH FLOOR OVER INACTIVE SLEEVE PENDING FUTURE CONNECTION.

   WHERE SHOWN ON THE LABORATORY PLUMBING AND ARCHITECTURAL A2 SERIES FLOOR PLANS, PROVIDE INACTIVE PIPE SLEEVES FOR FUTURE CONNECTION OF PIPED UTILITIES.
4. NOTE REGARDING DETAIL 25 - WALL TRANSITION

   DETAIL 25 IS TYPICAL. USE DETAIL 20 ONLY AT LOCATIONS INDICATED.
5. NOTE REGARDING DETAIL 18 - COLUMN AT LABORATORY WINDOW

   THIS DETAIL APPLIES AT COLUMNS "D6", "G6", AND "H6" ON LAB LEVEL ONE AND LAB LEVEL TWO.

   STAINED WOOD TRIM TO MATCH STAINED WOOD BASE FINISH "WB1". PLASTIC LAMINATE TO BE "PL5".

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Revisions

No.		Date*
1	ADDENDUM NO. 2	09.10.91

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North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

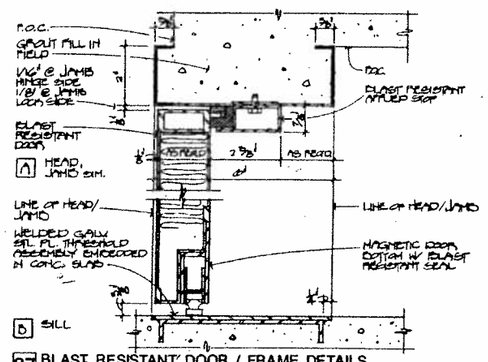
COLUMN FURRING & PARTITION DETAILS

Project No.		Drawing No.
192.10.01	A2	A9.04
Date 22 APRIL 1991	ADDENDUM	

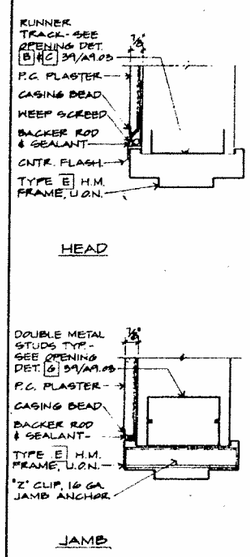
000676

SHEET NOTES

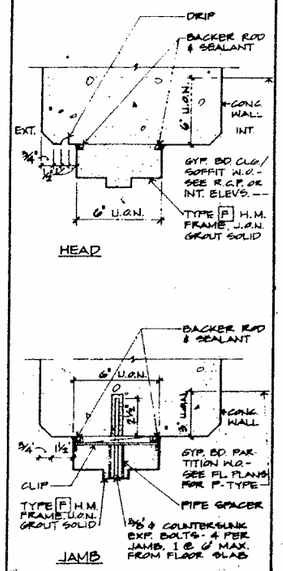
1. IT IS THE PURPOSE OF THIS SHEET TO ILLUSTRATE TYPICAL DOOR OPENING COMPONENTS - SUCH AS DOOR ELEVATIONS, FRAME PROFILES, THRESHOLD CONDITIONS, AND FRAME CONSTRUCTION AND ATTACHMENT ASSEMBLIES - WHICH ARE REFERENCED BY THE DOOR SCHEDULE ON SHEET A9.07 AND A9.08.
2. TO USE THIS SHEET:
   - A. SEE SHEET A9.02 FOR DESCRIPTION OF DOOR OPENING SYMBOLS FOUND ON THE A2 SERIES DRAWINGS.
   - B. LOCATE DOOR MARK ASSOCIATED WITH DOOR OPENING ON A2 SERIES DRAWINGS.
   - C. LOCATE DOOR MARK ON SCHEDULE - SEE SHEETS A9.07 AND A9.08. READ ACROSS FOR SIZE, CONSTRUCTION, ELEVATION TYPE, FIRE-RATING, FRAME TYPE, HARDWARE, ETC.
   - D. DOOR ELEVATIONS - SEE DETAIL 25 ON THIS SHEET FOR ILLUSTRATION OF INDICATED DOOR ELEVATION. NUMBER IN DOOR SCHEDULE REFERS TO APPLICABLE ELEVATION. INDICATED DOOR ELEVATION MAY REFERENCE MORE DETAILED ELEVATIONS ELSEWHERE IN THE DRAWINGS.
   - E. FRAME TYPE: SEE DETAIL 15 ON THIS SHEET FOR ILLUSTRATION OF INDICATED FRAME PROFILE.
   - F. SILL: SEE DETAIL 18 ON THIS SHEET FOR ILLUSTRATION OF INDICATED THRESHOLD DETAIL.
   - G. FRAME/HEAD DETAIL: INDICATED NUMBER REFERS TO GENERIC FRAME CONSTRUCTION AND ATTACHMENT DETAILS ON THIS SHEET. NOTE: THESE DETAILS DO NOT INDICATE FRAME PROFILE - SEE SCHEDULE AND DETAIL 15 ON THIS SHEET.



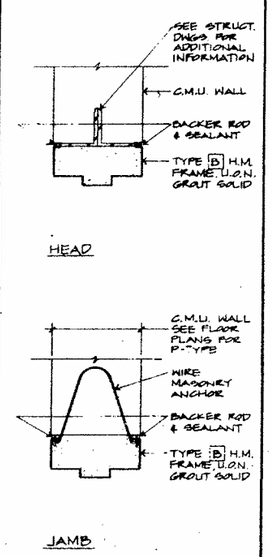
27 BLAST RESISTANT DOOR / FRAME DETAILS
SCALE: 1/2 FULL SIZE



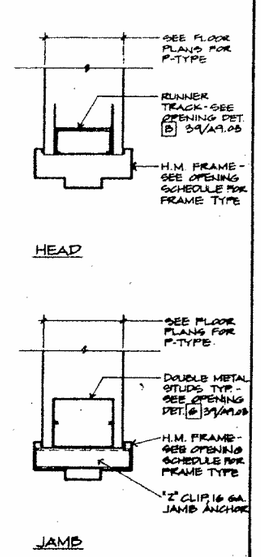
22 DOOR OPENING AT EXT. PLASTER WALL
3"=1'-0"



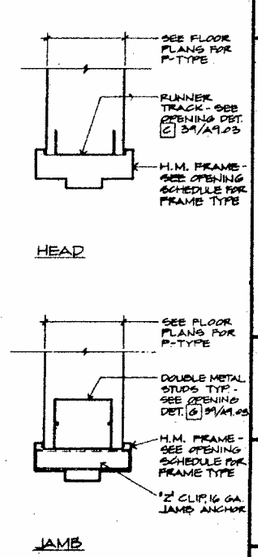
17 DOOR OPENING AT CONCRETE WALL
3"=1'-0"



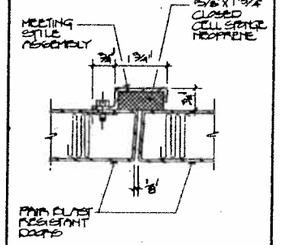
12 DOOR OPENING AT C.M.U. WALL
3"=1'-0"



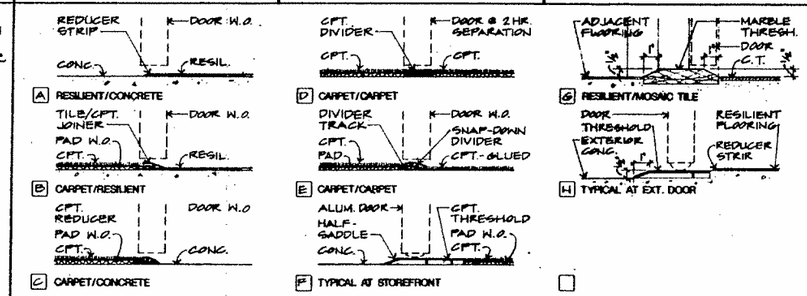
7 DOOR OPENING (>3'-5") AT TYP. GYP. BD. PARTITION
3"=1'-0"



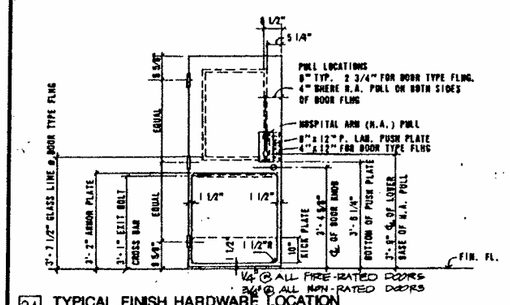
2 DOOR OPENING (<3'-5") AT TYP. GYP. BD. PARTITION
3"=1'-0"



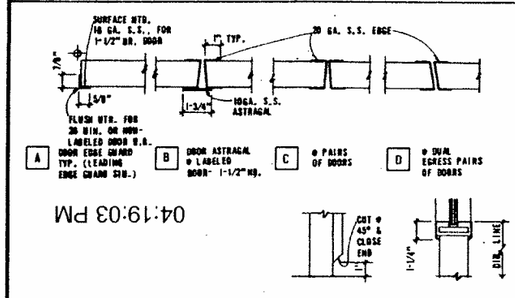
23 BLAST RESISTANT STILE
SCALE: 1/2 FULL SIZE



18 THRESHOLD CONDITIONS

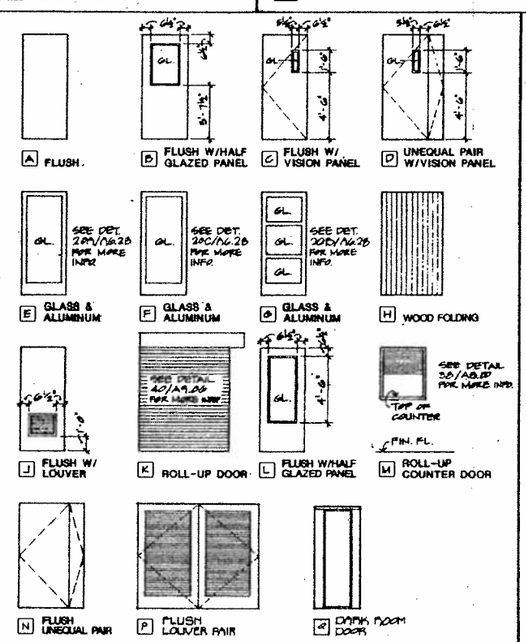


34 TYPICAL FINISH HARDWARE LOCATION
NO SCALE

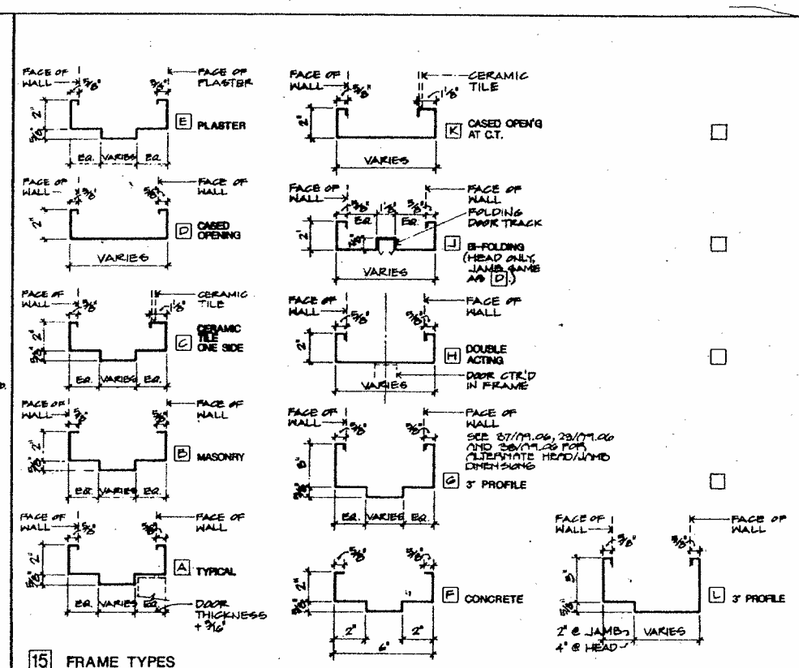


04:19:03 PM

35 MISC. DOOR DETAILS
NTS



25 DOOR ELEVATIONS



15 FRAME TYPES
NO SCALE

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Revisions

No.		Date

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North Hollywood - Los Angeles, California

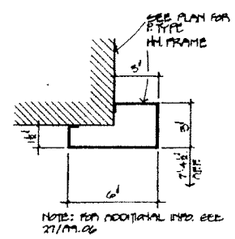
Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

INTERIOR DETAILS DOOR OPENINGS

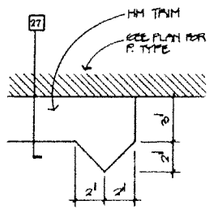
Project No. 19210.01
Date 22 APR 1991
B BIDDING
Drawing No. A9.05

PROJECT NO. 19210.01
113
REV. | TITLE | NOTES

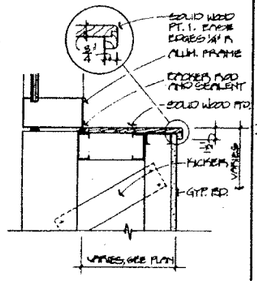
000677



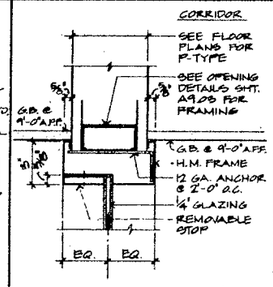
36 HM. TRIM AT SOFFIT
SCALE: 3"=1'-0"



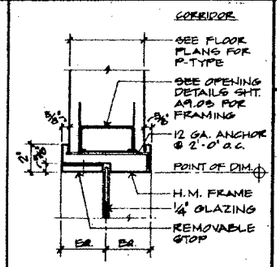
31 END OF HM. TRIM (PLAN)
SCALE: 3"=1'-0"



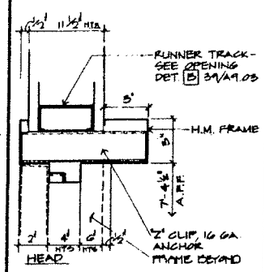
11 WOOD WINDOW SILL
SCALE: 1 1/2"=1'-0"



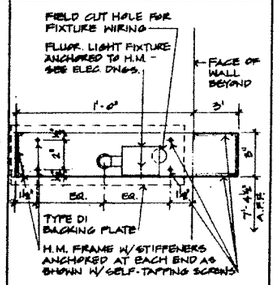
6 TYP. H.M. HEAD AT GLAZED PARTITION
3"=1'-0"



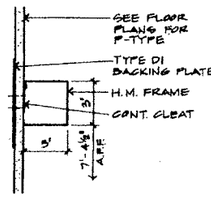
1 TYP. H.M. HEAD AT GLAZED PARTITION
3"=1'-0"



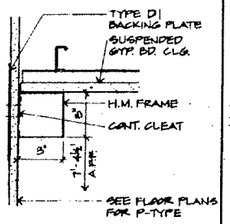
37 OPENING AT PERSONNEL GALLERY LOUNGE
3"=1'-0"



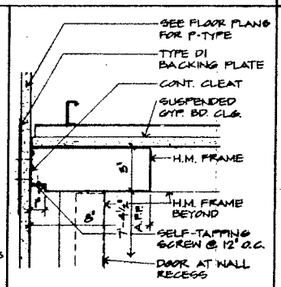
32 H.M. FRAME/LIGHT SHELF AT LAB ENTRY
3"=1'-0"



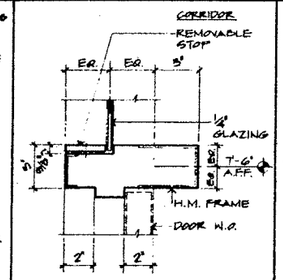
27 H.M. FRAME AT WALL
3"=1'-0"



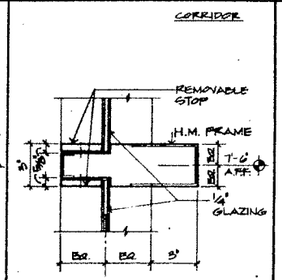
22 H.M. FRAME AT WALL
3"=1'-0"



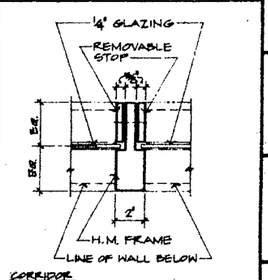
17 H.M. FRAME AT WALL RECESS
3"=1'-0"



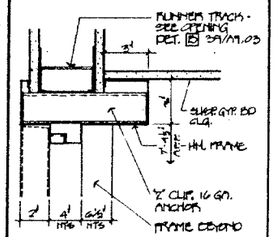
12 H.M. HORIZONTAL RAIL AT DOOR HEAD/TRANSOM
3"=1'-0"



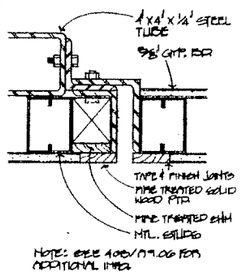
7 H.M. HORIZONTAL RAIL AT GLAZED PARTITION TRANSOM
3"=1'-0"



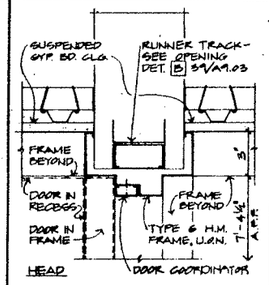
2 TYP. H.M. INTERMEDIATE MULLION AT GLAZED PART'N
3"=1'-0"



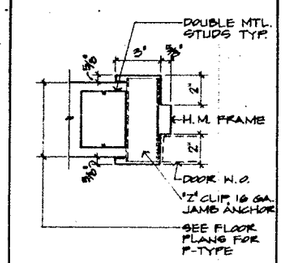
38 LOUNGE DOOR HEAD
SCALE: 3"=1'-0"



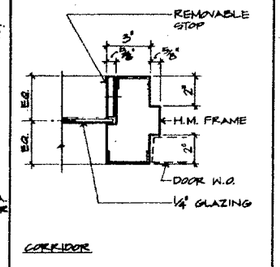
33 ROLL-UP JAMB IN GYP. BD.
SCALE: 3"=1'-0"



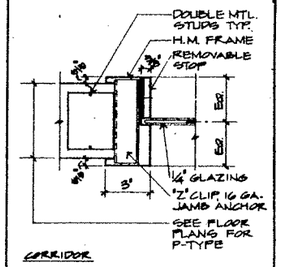
23 DOOR HEAD AT 2 HR. SEPARATION
3"=1'-0"



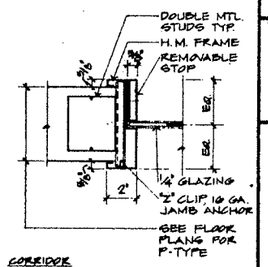
18 TYP. H.M. DOOR JAMB
3"=1'-0"



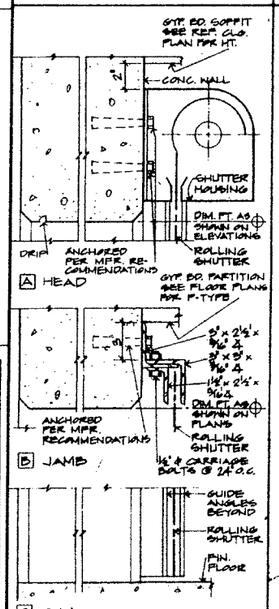
13 TYP. H.M. MULLION AT DOOR JAMB/SIDELIGHT
3"=1'-0"



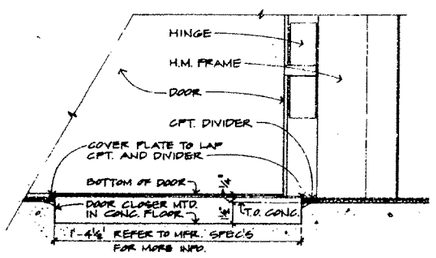
8 TYP. H.M. JAMB AT GLAZED PARTITION
3"=1'-0"



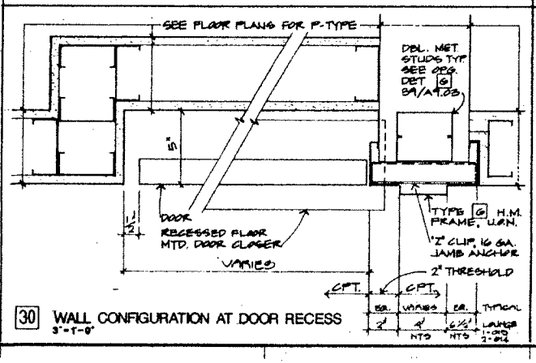
3 TYP. H.M. JAMB AT GLAZED PARTITION
3"=1'-0"



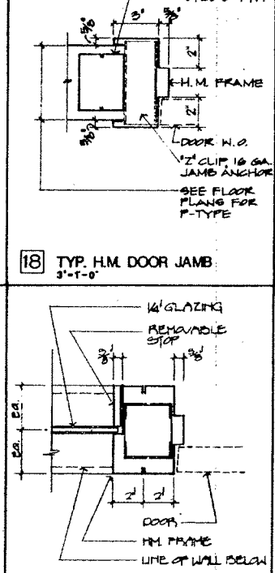
40 OVERHEAD ROLLING SHUTTER
3"=1'-0"



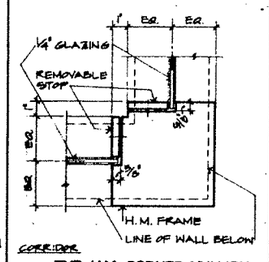
29 RECESSED DOOR CLOSER AT 2 HR. SEPARATION
3"=1'-0"



30 WALL CONFIGURATION AT DOOR RECESS
3"=1'-0"



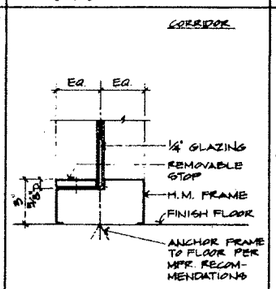
19 DOUBLE JAMB AT DOOR
SCALE: 3"=1'-0"



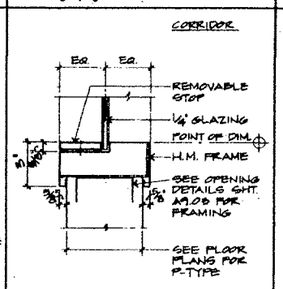
14 TYP. H.M. CORNER MULLION AT GLAZED PARTITION
3"=1'-0"

9 TYP. H.M. HORIZONTAL RAIL AT GLAZED PARTITION
3"=1'-0"

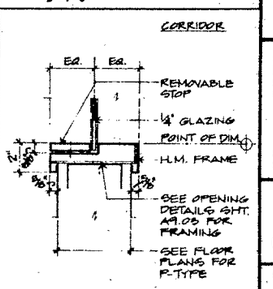
4 TYP. DOUBLE H.M. JAMB AT GLAZED PARTITION
3"=1'-0"



15 TYP. H.M. SILL AT GLAZED PARTITION
3"=1'-0"



10 TYP. H.M. SILL AT GLAZED PARTITION
3"=1'-0"



5 TYP. H.M. SILL AT GLAZED PARTITION
3"=1'-0"

04:18:57 PM

SMP

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Planning
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Laboratory Mechanical Engineer

Laboratory Electrical Engineer

Revisions

No.	Date

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

INTERIOR DETAILS DOOR AND WINDOW OPENING DETAILS

Project No.		Drawing No.
19210.01	B	A9.06
Date 22 APR 1991	BIDDING	

000678

SHEET NOTES

1. SEE SHEET A0.02 FOR DESCRIPTION OF DOOR OPENING SYMBOLS FOUND ON THE A2 SERIES DRAWINGS
2. LOCATE DOOR MARK ASSOCIATED WITH DOOR OPENING ON A2 SERIES DRAWINGS
3. LOCATE DOOR MARK ON SCHEDULE. SEE SHEETS A9.07 AND A9.08. READ ACROSS FOR SIZE, CONSTRUCTION, ELEVATION TYPE, FIRE-RATING, FRAME TYPE, HARDWARE ETC
4. DOOR ELEVATIONS. SEE DETAIL 25 ON SHEET A9.05 FOR ILLUSTRATION OF INDICATED DOOR ELEVATION. NUMBER IN DOOR SCHEDULE REFERS TO APPLICABLE ELEVATION
5. TYPICAL DOOR MATERIAL ABBREVIATIONS USED ON SCHEDULE
   - WD – SOLID WOOD CORE, FIRE-RESISTIVE CORE FOR FIRE RATED DOORS
   - HM – HOLLOW METAL (STEEL)
   - AL – COATED ALUMINUM AND GLASS
   - SP – SPECIAL - SEE INDICATED DETAIL OR NOTE
6. TYPICAL DOOR FACING/FINISH ABBREVIATIONS USED ON DOOR SCHEDULE
   - PT – PAINTED
   - ST – STAINED
   - SP – SPECIAL - SEE INDICATED DETAIL OR NOTE
7. FRAME TYPE. SEE DETAIL 15 ON SHEET A9.05 FOR ILLUSTRATION OF INDICATED FRAME PROFILE
8. FRAME SILL. SEE DETAIL 18 ON SHEET A9.05 FOR ILLUSTRATION OF INDICATED THRESHOLD DETAIL
9. TYPICAL FRAME MATERIAL ABBREVIATIONS USED ON DOOR SCHEDULE
   - HM – HOLLOW METAL (STEEL)
   - AL – COATED ALUMINUM
   - SP – SPECIAL - SEE INDICATED DETAIL OR NOTE
10. FRAME/HD DETAIL. INDICATED NUMBER REFERS TO GENERIC FRAME CONSTRUCTION AND ATTACHMENT DETAILS ON SHEET A9.06. NOTE: THESE DETAILS DO NOT INDICATE FRAME PROFILE - SEE SCHEDULE AND DETAIL 15 ON SHEET A9.05
11. TYPICAL WOOD FACING – BIRCH, UNLESS OTHERWISE NOTED
12. ALL DOORS 1-3/4 INCHES THICK, UNLESS OTHERWISE NOTED
13. ALL DOOR FRAMES AT FIRE-RATED DOORS TO BE GROUTED SOLID
14. GLASS IN DOORS
    - A. AT ALUMINUM DOORS. SEE INDICATED DETAILS AND EXTERIOR ELEVATIONS TO DETERMINE GLASS TYPE
    - B. AT OTHER NON-FIRE-RATED DOORS, GLAZING TYPE GL-11, UNLESS OTHERWISE NOTED
    - C. AT OTHER FIRE-RATED DOORS, GLAZING TYPE GL-8, UNLESS OTHERWISE NOTED

SCHEDULE NOTES

1. SEE SHEET A8.15 FOR DETAILS OF COMPUTER ACCESS FLOOR AND COLOR SCHEDULE ON SHEET A8.16 FOR APPLIED FINISH.
2. SEE DETAIL 24 ON SHEET A8.36 FOR SPILL-CONTAINMENT TRENCH DRAIN AT SILL CONDITION.
3. AUTOMATIC DOOR UNIT NO. 1.
4. BLAST RESISTANT DOOR, SEE SHEET A8.85 FOR DETAILS.
5. SEE DETAIL 25 ON SHEET A8.36 FOR SPILL-CONTAINMENT TRENCH DRAIN AT SILL CONDITION (HAZARDOUS STORAGE SHED).
6. ROLL-UP DOOR, TYPE B (AT LOADING DOCK). SEE DETAIL 40 ON SHEET A8.86. SEE PLANS AND ELEVATIONS FOR DIMENSIONS.
7. SEE ELEVATION 38 ON SHEET A8.11 FOR APPLICABLE HEAD AND JAMB DETAIL REFERENCES.
8. SIMILAR TO SCHEDULE NOTE 7 ABOVE, BUT FOR CASED OPENING.
9. SEE ELEVATIONS ON SHEETS A8.07, A8.08, AND A8.09 FOR APPLICABLE HEAD AND JAMB DETAIL REFERENCES.
10. ROLL-UP DOOR, TYPE A (AT SECURITY COUNTER). SEE ELEVATION 38 ON SHEET A8.10 FOR APPLICABLE DETAIL REFERENCES. SEE DETAIL PLAN 25 ON SHEET A4.02 FOR PLAN DIMENSIONS.
11. WOOD FOLDING DOOR FOR LIGHT-REDUCTION PURPOSES AT F.M.A. ROOM.
12. DOOR HEIGHT – 7'-4 1/2".
13. DOOR WIDTH – 3'-4 1/2".
14. SEE DETAILS 23 AND DETAIL 30 ON SHEET A8.08 FOR HEAD AND JAMB DETAILS (CROSS CORRIDOR AT LINE "H.5").
15. SEE DETAIL 23 AND DETAIL 30 ON SHEET A8.08 FOR SIMILAR HEAD AND JAMB DETAILS (PASSENGER ELEVATOR LOBBY AT GROUND FLOOR). FRAME FACE DIMENSION IS 2 INCHES.
16. ROLL-UP DOOR, TYPE C (AT SERVICE ELEVATOR). SEE PLANS AND ELEVATIONS FOR DIMENSIONS.
17. SEE DETAIL 30 ON SHEET A8.08 FOR SIMILAR JAMB DETAIL (PERSONNEL GALLERY LOUNGE). SEE DETAIL 37 AND DETAIL 38 ON SHEET A8.08 FOR HEAD CONDITIONS.
18. SEE DETAIL 23 AND DETAIL 30 ON SHEET A8.08 FOR HEAD AND JAMB DETAILS (PASSENGER ELEVATOR LOBBY AT LAB LEVELS ONE AND TWO).
19. SEE PLANS AND ELEVATIONS FOR DIMENSIONS.
20. SEE DETAIL 40 ON SHEET A6.28 FOR CAFETERIA WINDOW WALL.
21. SEE DETAIL 13 ON SHEET A8.34 FOR OVERALL CONFIGURATION AT ROOF SILL/THRESHOLD.
22. WIRE CHASE FROM ELECTRIFIED HINGE TO ELECTRIC LOCKSET.
23. REVOLVING DARK ROOM DOOR.
24. (△2) LOUVER TO BE 12" HIGH BY 23" WIDE.

04:18:49 PM

OPENING SCHEDULE

GROUND FLOOR

NUMBER	RATING	SIZE WIDTH	SIZE HEIGHT	DOOR ELEVATION	DOOR MATERIAL	DOOR FACING	FRAME TYPE	FRAME SILL	FRAME MATERIAL	JAMB NO. DET	HINGE	LOCKSET	CLOSER	EXIT DEVICE	PUSH PULL	STOP HOLDER	BOLT	KICK-PLATE	THRESHOLD	WEATHER-STRIP	MISC.	NOTES
G-001A	45	6-0	X 7-0	A	HM	PT	A	-	HM	7	6/H2	L6	2/C10	-	-	-	2/B2	2/K4	-	W1	M1	
G-001B	20	3-0	X 7-0	A	HM	PT	A	-	HM	2	3/H2	L4	C10	-	-	-	-	2/K4	-	W1	-	
G-001C	20	3-0	X 7-0	A	HM	PT	A	-	HM	2	3/H2	L4	C30	-	-	-	-	-	-	W2	-	
G-001D	20	3-6	X 7-0	A	HM	PT	A	-	HM	2	3/H3	L4	C6	-	-	S2	-	2/K4	-	W1	-	
G-001E	20	3-6	X 7-0	A	HM	PT	A	-	HM	2	3/H3	L4	C6	-	-	S2	-	2/K4	-	W1	-	
G-001F	90	6-0	X 7-0	A	HM	PT	A	-	HM	7	6/H2	L2	2/C2	-	-	2/S7	2/B2	2/K4	-	W1	M1	
G-002A	-	3-6	X 7-0	A	HM	PT	A	-	HM	2	3/H3	L4	C6	-	-	S2	-	2/K6	-	-	-	
G-002B	-	3-0	X 7-0	A	HM	PT	A	-	HM	2	3/H2	L4	C6	-	-	S2	-	-	-	-	-	
G-002C	-	3-6	X 7-0	A	HM	PT	A	-	HM	2	3/H3	L4	C8	-	-	S2	-	2/K4	-	-	-	
G-002D	20	6-0	X 7-0	A	HM	PT	A	-	HM	7	6/H2	L2	2/C2	-	-	2/S7	2/B2	2/K4	-	W1	M1	
G-002E	-	6-0	X 7-0	B	HM	PT	F	H	HM	17	4/H4	L6	-	-	-	-	2/B1	-	T1	W6	-	3
G-002F	-	6-0	X 7-0	B	HM	PT	F	B	HM	17	4/H4	L6	-	-	-	-	2/B1	-	T1	W6	-	3
G-003A	90	4-0	X 7-0	A	HM	PT	A	-	HM	7	4/H2	L2	2/C2	-	-	2/S7	2/B2	2/K4	-	W1	M1	
G-003B	40	4-0	X 7-0	A	HM	PT	A	-	HM	7	4/H2	L2	2/C2	-	-	2/S7	2/B2	2/K4	-	W1	M1	
G-004A	45	3-4	X 7-0	A	HM	PT	A	SP	HM	2	H13	L10	C6	-	-	S2	-	2/K4	-	W1	-	2,22
G-004B	60	6-0	X 7-0	A	HM	PT	A	-	HM	7	H16	L10	2/C4	-	-	2/S2	2/B2	2/K4	-	W1	M1	22
G-004C	-	4-0	X 7-0	A	HM	PT	F	H	HM	17	H15	L30	-	-	-	2/S5	2/B1	2/K4	T1	W4	-	22
G-005A	20	4-6	X 7-0	A	HM	PT	A	-	HM	7	B10	L4	C6	-	-	-	2/B2	4/K4	-	W1	M1	
G-005B	40	3-6	X 7-0	A	HM	PT	A	SP	HM	2	B13	L10	C6	-	-	S2	-	2/K4	-	W1	-	2,22
G-005C	20	6-0	X 7-0	A	HM	PT	A	-	HM	7	4/H2	L4	2/C10	-	-	-	2/B2	4/K4	-	W1	M1	
G-005D	20	3-0	X 7-0	A	HM	PT	A	-	HM	2	3/H2	L4	C6	-	-	S2	-	2/K4	-	W1	-	
G-006A	20	3-0	X 7-0	A	HM	PT	A	-	HM	2	3/H2	L4	C6	-	-	S2	-	2/K4	-	W1	-	
G-006B	60	3-0	X 7-0	A	HM	PT	F	A	HM	17	3/B2	L4	C10	-	-	-	-	X4	-	W3	-	△2 22, 24
G-006C	-	3-0	X 7-0	A (3)	HM	PT	F	B	HM	17	B14	L10	C5	-	-	S3	-	X4	T1	W6	-	
G-009A	-	3-0	X 7-0 △2	A	HM	PT	F	H	HM	17	3/H4	L1	C5	E5	-	S3	-	X4	T1	W6	-	
G-010A	20	3-0	X 7-0	A	HM	PT	A	A	HM	2	3/H2	L6	C2	-	-	S2	-	X4	-	W1	-	
G-011A	45	8-0	X 7-0	A	HM	PT	A	-	HM	SP	4/H11	L2	2/C14	-	-	2/S7	2/B2	-	-	W1	B1	15
G-100A	-	4-0	X 7-0	A	HM	PT	F	H	HM	17	6/H4	L6	-	-	-	2/S5	2/B1	-	T1	W6	-	
G-101A	45	3-0	X 7-0	A	HM	PT	A	-	HM	7	3/H2	L6	C2	-	-	S2	-	-	-	W1	-	
G-103A	45	6-0	X 7-0	A	HM	PT	A	-	HM	7	4/H2	L6	2/C2	-	-	2/S2	2/B2	-	-	W1	M1	
G-103B	-	8-0	X 8-6 △1	F	HM	PT	F	H	HM	17	8/H5	L6	-	-	-	2/S5	2/B1	-	T1	W6	-	
G-100B △2	45	3-0	X 7-0	A	HM	PT	A	-	HM	2	3/H2	L4	C2	-	-	S2	-	-	-	W1	-	
G-104B	NOT	USED																				
G-104C	-	6-0	X 8-0	A	HM	PT	F	H	HM	17	6/H4	L6	-	-	-	2/S5	2/B1	-	T1	W6	-	
G-104D	-	6-0	X 10-0	A	HM	PT	F	H	HM	17	8/H5	L6	-	-	-	2/S5	2/B1	-	T1	W6	-	
G-201A	45	6-0	X 7-0	A	HM	PT	A	A	HM	7	6/H2	L4	[illegible]	-	-	2/S2	2/H2	2/K4	-	W1	M1	
G-202A	20	3-0	X 7-0	A	HM	PT	A	SP	HM	2	3/H2	L4	C2	-	-	S1	-	K4	-	W1	-	1
G-203A	20	4-0	X 7-0	A	HM	PT	A	SP	HM	7	3/H3	L4	C2	-	-	S1	-	-	-	W1	-	1
G-204A	20	4-0	X 7-0	A	HM	PT	A	SP	HM	7	3/H3	L6	C2	-	-	S1	-	K4	-	W1	-	1
G-204B	45	3-0	X 7-0	A	HM	PT	A	SP	HM	2	3/H2	L6	C2	-	-	S1	-	-	-	W1	-	1
G-205A	-	3-0	X 7-0	A	HM	PT	A	SP	HM	2	3/H1	L4	-	-	-	S1	-	X4	-	-	-	1
G-206A	20	3-0	X 7-0	A	HM	PT	A	BP	HM	2	H12	L10	C2	-	-	S1	-	X4	-	W1	-	1,22
G-206B	-	3-0	X 7-0	A	HM	PT	A	SP	HM	2	3/B1	L4	-	-	-	S1	-	-	-	-	-	1
G-206C	-	3-0	X 7-0	A	HM	PT	A	SP	HM	2	3/H1	L4	-	-	-	S1	-	X4	-	-	-	1
G-208A	-	3-0	X 7-0	A	HM	PT	A	BP	HM	2	3/H1	L4	-	-	-	S1	-	-	-	-	-	1
G-209A	-	3-0	X 7-0	A	HM	PT	A	SP	HM	2	3/B1	L4	-	-	-	S1	-	-	-	-	-	1
G-211A	-	3-6	X 7-0	B	HM	PT	B	-	HM	2	-	-	C35	-	2/P1	-	-	2/K4	-	-	-	
G-213A	-	3-0	X 7-0	A	HM	PT	A	-	HM	2	3/B1	L4	-	-	-	S2	-	X4	-	-	-	
G-216A	-	3-4	X 7-0	A	BM	PT	A	-	HM	2	3/B3	L4	-	-	-	S2	-	2/K6	-	-	-	
G-218A	-	3-0	X 7-0	A	BN	PT	A	-	HM	2	3/B1	L4	-	-	-	S2	-	2/K4	-	-	-	
G-300A	-	3-0	X 7-0	A	HM	PT	A	SP	HM	2	3/H1	L4	-	-	-	S2	-	2/K4	-	-	-	2
G-301A	-	3-0	X 7-0	B	HM	PT	A	BP	HM	2	3/B1	L4	-	-	-	S2	-	X4	-	-	-	2
G-303A	-	3-4	X 7-0	A	HM	PT	A	SP	HM	2	3/B3	L4	-	-	-	S2	-	2/K4	-	-	-	2
G-304A	-	3-0	X 7-0	B	HM	PT	B	A	HM	12	3/H1	L4	-	-	-	B2	-	X4	-	-	-	
G-305A	20	3-0	X 7-0	A	HM	PT	B	A	HM	12	3/H2	L6	C2	-	-	S2	-	2/K4	-	W1	-	
G-305B	-	6-0	X 7-0	A	HM	PT	F	H	HM	17	4/H4	L6	-	-	-	2/S5	2/B1	2/K4	T1	W6	-	4
G-305C	-	SP	X BP	X	SP	SP	SP	-	SP	SP	-	-	-	-	-	-	-	-	-	-	-	
G-306A	-	3-0	X 7-0	A	HM	PT	F	H	HM	17	3/H4	L4	C9	-	-	-	-	X4	T1	W6	-	
G-307A	20	3-0	X 7-0	A	HM	PT	A	A	HM	2	3/H2	L4	C2	-	-	S2	-	X4	-	W1	-	
G-400A	NOT	USED																				
G-400B	-	3-4	X 7-0	A	HM	PT	A	-	HM	2	3/H3	L4	-	-	-	S2	-	2/X4	-	-	-	
G-402A	-	3-0	X 7-0	A	HM	PT	A	-	HM	2	3/H1	L4	-	-	-	S2	-	X4	-	-	-	
G-403A	-	3-0	X 7-0	B	HM	PT	A	-	HM	2	3/B1	L4	-	-	-	S2	-	X4	-	-	-	
G-406A	-	3-0	X 7-0	A	HM	PT	A	-	HM	2	3/H1	L4	-	-	-	S2	-	2/X4	-	-	-	
G-406B	20	6-0	X 7-0	A	HM	PT	A	-	HM	7	4/H2	L4	2/C2	-	-	2/S2	2/B2	4/X4	-	W1	M1	
G-407A	20	3-0	X 7-0	A	HM	PT	A	G	HM	2	3/H2	L2	C2	-	-	S1	-	X4	-	W1	-	
G-407B	-	3-0	X 7-0	-	-	-	X	G	HM	2	-	-	-	-	-	-	-	-	-	-	-	
G-407C	-	4-0	X 7-0	-	-	-	X	G	HM	2	-	-	-	-	-	-	-	-	-	-	-	
G-408A	20	3-0	X 7-0	A	HM	PT	A	G	HM	2	3/H2	L2	C2	-	-	S1	-	X4	-	W1	-	△2
G-408B	-	3-0	X 7-0	-	-	-	X	G	HM	2	-	-	-	-	-	-	-	-	-	-	-	
G-408C	-	4-0	X 7-0	-	-	-	X	G	HM	2	-	-	-	-	-	-	-	-	-	-	-	23
G-409A	-	SP	X BP	Q	BP	SP	SP	-	SP		-	-	-	-	-	-	-	-	-	-	-	
G-410A	-	3-0	X T-0	A	HM	PT	A	-	HM	2	3/H1	L4	-	-	-	S2	-	X4	-	-	-	

LAB LEVEL ONE

NUMBER	RATING	SIZE WIDTH	SIZE HEIGHT	DOOR ELEVATION	DOOR MATERIAL	DOOR FACING	FRAME TYPE	FRAME SILL	FRAME MATERIAL	JAMB NO. DET	HINGE	LOCKSET	CLOSER	EXIT DEVICE	PUSH PULL	STOP HOLDER	BOLT	KICK-PLATE	THRESHOLD	WEATHER STRIP	MISC	NOTES
1-002A	20	3-0	X 7-0	B	HM	PT	A	-	HM	2	3/H2	L4	C4	-	-	S2	-	2/K4	-	W1	-	
1-002B	20	3-6	X 7-0	B	HM	PT	A	-	HM	7	3/H1	L4	C4	-	-	S2	-	2/K4	-	W1	-	
1-003A	20	4-0	X 7-0	A	HM	PT	A	-	HM	2	6/H2	L4	2/C9	-	-	-	2/B2	2/K4	-	W1	M1	
1-003B	20	4-0	X 7-0	D	HM	PT	A	-	HM	7	H10	L4	C8	-	-	2/S2	2/B2	4/K4	-	W1	M1	
1-003C	20	4-0	X 7-0	A	HM	PT	A	-	HM	2	4/H2	L4	2/C9	-	-	-	-	2/K4	-	W1	M1	
1-003D	20	3-0	X 7-0	A	HM	PT	A	-	HM	2	3/H2	L6	C9	-	-	-	-	X4	-	W1	-	
1-003E	20	4-0	X 7-0	D	HM	PT	A	-	HM	7	H10	L4	C8	-	-	2/S2	2/B2	4/K4	-	W1	M1	
1-003F	20	4-0	X 7-0	D	HM	PT	A	-	HM	7	H10	L4	C8	-	-	2/S2	2/H2	4/X4	-	W1	M1	
1-003G	20	4-0	X 7-0	A	HM	PT	A	-	HM	2	3/H2	L2	C9	-	-	-	-	X4	-	W1	-	
1-006A	-	3-0	X 7-0	A	HM	PT	A	-	HM	2	3/H1	L6	-	-	-	S2	-	-	-	-	-	
1-008A	90	6-0	X 7-0	A	HM	PT	A	-	HM	7	6/H2	L2	2/C2	-	-	2/S7	2/B2	2/K4	-	W1	M1	
1-008B	20	4-0	X 7-0	D	HM	PT	A	-	HM	7	H10	L4	C8	-	-	2/S2	2/M2	4/K4	-	W1	M1	
1-008C	20	4-0	X 7-0	D	HM	PT	A	-	HM	7	H10	L4	C8	-	-	2/S2	2/B2	4/X4	-	W1	M1	
1-008D	20	3-0	X 7-0	A	HM	PT	A	-	HM	2	3/H2	L6	C10	-	-	-	-	X4	-	W1	-	
1-010A	20	3-0	X 7-0	A	HM	PT	A	-	HM	2	3/H2	L4	C6	-	-	S2	-	2/K6	-	W1	-	
1-011A	20	3-0	X 7-0	A	HM	PT	A	-	HM	2	3/H2	L4	C8	-	-	S2	-	2/K4	-	W1	-	
1-012A	20	3-0	X 7-0	A	WD	ST	A	B	HM	2	3/H2	L4	C8	-	-	S2	-	X4	-	W1	-	
1-012B	20	3-0	X SP	L	WD	ST	G	B	HM	SP	3/H2	L4	C4	-	-	S2	-	X4	-	W1	-	9.12
1-012C	20	3-0	X SP	L	WD	ST	G	B	HM	SP	3/H2	L4	C6	-	-	S2	-	X4	-	W1	-	9.12
1-013A	20	3-0	X SP	A	WD	ST	G	D	HM	SP	3/H2	L4	C6	-	-	S2	-	-	-	W1	-	9.12
1-013B	-	3-0	X SP	F	AL	-	SP	SP	AL	SP	3/H4	L9	C17	-	P3	S3	-	-	T2	-	M3	12
1-013C	-	3-0	X SP	F	AL	-	BP	SP	AL	SP	3/H4	L9	C17	-	P3	S3	-	-	T2	-	-	12
1-014A	20	3-0	X SP	L	WD	ST	G	B	HM	SP	3/H2	L4	C4	-	-	S2	-	X4	-	W1	-	9.12
1-014B	20	3-0	X SP	L	WD	ST	G	B	HM	SP	3/H2	L4	C6	-	-	S2	-	X4	-	W1	-	9.12
1-014C	90	7-5 △2	X SP	A	HM	PT	G	D	HM	SP	4/H11	-	2/C16	E7	-	2/S7	-	-	-	W1	M2	12.14
1-015A	20	7-10	X SP	A	HM	PT	G	D	HM	SP	6/H11	L2	2/C16	-	-	2/S7	2/B2	-	-	W1	M1	12.17
1-016A	20	3-0	X SP	L	WD	ST	G	B	HM	SP	3/H2	L4	C4	-	-	S2	-	X4	-	W1	-	9.12
1-016B	20	3-0	X SP	L	WD	ST	G	B	HM	SP	3/H2	L4	C4	-	-	S2	-	X4	-	W1	-	9.12
1-018A	45	SP	X SP	X	SP	PT	SP	-	SP	SP	-	-	-	-	-	-	-	-	-	-	-	14
1-019A	45	3-0	X 7-0	A	HM	PT	A	-	HM	2	3/H2	L2	C2	-	-	S2	-	-	-	W1	-	
1-019B	45	6-0	X 7-0	A	HM	PT	A	-	HM	7	6/H2	L6	2/C6	-	-	2/S2	2/B2	-	-	W1	M1	
1-100A △2	-	3-6	X 7-0	B	HM	PT	A	-	HM	7	3/H3	L4	-	-	-	S2	-	-	-	-	-	
1-100B	-	3-0	X 7-0	B	HM	PT	A	-	HM	7	3/H3	L4	-	-	-	S2	-	X6	-	-	-	
1-100C	-	SP	X 7-0	H	SP	SP	J	-	SP	2	-	-	-	-	-	-	-	-	-	-	-	11.13
1-102A	-	3-0	X 7-0	B	HM	PT	A	-	HM	2	3/H1	L4	-	-	-	S2	-	X4	-	-	-	
1-102B	-	3-0	X 7-0	B	HM	PT	A	-	HM	2	3/H1	L4	-	-	-	S2	-	X6	-	-	-	
1-103A	-	3-0	X 7-0	B	HM	PT	A	-	HM	2	3/H1	L4	-	-	-	S2	-	-	-	-	-	
1-200A	-	3-0	X 7-0	B	HM	PT	A	-	HM	2	3/H1	L4	-	-	-	S2	-	2/K4	-	-	-	
1-200B	-	3-6	X 7-0	B	HM	PT	A	-	HM	7	3/H3	L4	-	-	-	S2	-	2/K4	-	-	-	
1-200C	-	3-6	X 7-0	B	HM	PT	A	-	HM	7	3/H3	L4	-	-	-	S2	-	2/K4	-	-	-	
1-200D	-	3-0	X 7-0	B	HM	PT	A	-	HM	2	3/H1	L4	-	-	-	S2	-	2/X4	-	-	-	
1-200E	-	5-0	X 7-0	H	HM	PT	A	-	HM	7	6/H1	L4	-	-	-	S2	2/B1	4/X4	-	-	-	
1-200F	90	3-0	X 7-0	A	HM	PT	A	-	HM	2	3/H2	L4	C4	-	-	S7	-	2/K4	-	-	-	
1-201A	-	3-0	X 7-0	A	HM	PT	A	-	HM	2	3/H1	L6	-	-	-	S2	-	-	-	-	-	
1-202A	-	3-6 △2	X 7-0	B	HM	PT	A	-	HM	7	3/H3	L4	-	-	-	S2	-	X6	-	-	-	
1-204A	-	3-6	X 7-0	B	HM	PT	A	-	HM	7	3/H3	L4	-	-	-	S2	-	K4	-	-	-	
1-204B	-	3-6	X 7-0	B	HM	PT	A	-	HM	7	3/H3	L4	-	-	-	S2	-	X4	-	-	-	
1-205A	-	3-0	X 7-0	B	HM	PT	A	-	HM	3	3/H1	L4	-	-	-	B2	-	-	-	-	-	
1-206A	-	3-0	X 7-0	B	HM	PT	A	-	HM	2	3/H1	L4	-	-	-	S2	-	X4	-	-	-	
1-208A	-	3-6	X 7-0	-	-	-	D	-	HM	2	-	-	-	-	-	-	-	-	-	-	-	
1-212A	-	3-0	X 7-0	A	HM	PT	A	-	HM	2	3/H1	L2	-	-	-	B2	-	-	-	-	-	
1-300A	-	3-0	X 7-0	A	HM	PT	A	-	HM	2	3/H1	L4	-	-	-	S2	-	X6	-	-	-	
1-300B	-	3-4	X 7-0	-	-	-	D	-	HM	7	-	-	-	-	-	-	-	-	-	-	-	
1-300C	-	3-6	X 7-0	B	HM	PT	A	-	HM	SP	3/B3	L4	-	-	-	S2	-	2/K4	-	-	-	7
1-300D	-	3-6	X 7-0	B	HM	PT	A	-	HM	SP	3/H3	L4	-	-	-	B2	-	2/X4	-	-	-	7
1-300E	-	3-6	X 7-0	B	HM	PT	A	-	HM	SP	3/H3	L4	-	-	-	S2	-	2/X4	-	-	-	7
1-300F	-	4-0	X 7-0	-	-	-	D	-	HM	SP	-	-	-	-	-	-	-	-	-	-	-	8
1-303A	-	3-0	X 7-0	B	HM	PT	A	-	HM	2	3/H1	L4	-	-	-	S2	-	X4	-	-	-	
1-306A	-	3-4	X 7-0	-	-	-	D	-	HM	2	-	-	-	-	-	-	-	-	-	-	-	
1-310A	-	4-0	X 7-0	-	-	-	D	-	HM	7	-	-	-	-	-	-	-	-	-	-	-	
1-311A	-	3-6	X 7-0	B	HM	PT	A	-	HM	SP	3/H3	L4	-	-	-	B2	-	2/K2	-	-	-	7
1-400A	20	3-0	X 7-0	A	HM	PT	A	B	HM	2	3/H2	L4	C2	-	-	S2	-	X4	-	W1	-	
1-401A	20	3-0	X 7-0	A	HM	PT	A	B	HM	2	3/H2	L4	C2	-	-	S2	-	X4	-	W1	-	
1-401B	20	3-0	X 7-0	A	HM	PT	A	B	HM	2	3/H2	L6	C2	-	-	S2	-	X4	-	W1	-	
1-402A	20	3-0	X 7-0	A	WD	ST	C	G	HM	2	3/H2	L2	C2	-	-	S1	-	X4	-	W1	-	
1-403A	20	3-0	X 7-0	A	WD	ST	C	G	HM	2	3/H2	L2	C2	-	-	S1	-	X4	-	W1	-	
1-404A	45	6-0	X 7-0	A	WD	ST	G	D	HM	SP	4/H11	L2	2/C16	-	-	2/S7	2/B2	-	-	W1	M1	18
1-500A	20	3-0	X T-0	A	WD	ST	A	-	HM	2	3/H2	L6	C2	-	-	S2	-	X4	-	-	-	
1-500B	20	SP	X SP	H	SP	SP	SP	SP	SP	SP	-	-	-	-	-	-	-	-	-	-	-	30,12
1-502B	20	3-0	X SP	A	WD	ST	G	B	HM	2	3/H2	L4	C4	-	-	S2	-	-	-	-	-	12
1-501B	-	SP	X SP	A	WD	ST	G	-	HM	2	3/H1	L4	-	-	-	S4	2/B1	-	-	-	-	19
1-502A	-	4-0	X 7-0	-	-	-	D	-	HM	7	-	-	-	-	-	-	-	-	-	-	-	
1-017A	90	4-0	X SP	A	WD	ST	G	0	HM	7	6/H2	L2	C2	-	-	2/S7	2/B3	-	-	W1	M1	12
1-503B	-	3-0	X SP	E	AL	-	SP	SP	AL	SP	3/H4	L1	C17	E9	-	S3	-	-	T2	-	-	12.20
1-503C	-	3-0	X SP	E	AL	-	SP	SP	AL	SP	3/H4	L1	C17	E8	-	S3	-	-	T2	-	-	12.20
1-503D	-	3-0	X 7-0	-	-	-	D	B	HM	2	-	-	-	-	-	-	-	-	-	-	-	
1-503E	-	3-0	X 7-0	-	-	-	D	B	HM	2	-	-	-	-	-	-	-	-	-	-	-	
1-503F	-	3-0	X 7-0	-	-	-	D	B	HM	2	-	-	-	-	-	-	-	-	-	-	-	
1-506A △2	90	3-0	X 7-0	A	WD	PT	A	-	HM	2	3/H2	L4	C4	-	-	S7	-	X4	-	W1	-	
1-506B	60	3-0	X 7-0	A	WD	PT	A	-	HM	2	3/H2	L4	C6	-	-	S7	-	K4	-	W1	-	
1-505A	20	3-0	X 7-0	A	HM	PT	A	-	HM	2	3/H2	L4	C4	-	-	S2	-	-	-	W1	-	

SMP

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Planning
Interior Architecture

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415 227-0100

David L. Martino
Architect, AIA

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Revisions

No.		Date
1	ADDENDUM NO. 2	6-10-91
2	BULLETIN NO. 1	11-11-91

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

DOOR SCHEDULE

Project No. 19210.01
Date 22 APR 91
B1 BULLETIN
Drawing No. A9.07

000679

OPENING SCHEDULE

NUMBER	RATING	SIZE WIDTH	SIZE HEIGHT	DOOR ELEVATION	DOOR MATERIAL	DOOR FACING	FRAME TYPE	FRAME SILL	FRAME MATERIAL	JAMB/HD. DET	HARDWARE HINGE	LOCKSET	CLOSER	EXIT DEVICE	PUSH /PULL	STOP/ HOLDER	BOLT	KICK-PLATE	THRESHOLD	WEATHER-STRIP	MISC.	NOTES
LAB LEVEL TWO																						
2-002A	20	3-0	X 7-0	A	HM	PT	A	–	HM	2	3/H2	L4	C8	–	–	S2	–	2/K4	–	W1	–	
2-003A	20	6-0	X 7-0	A	HM	PT	A	–	HM	2	6/H2	L6	2/C9	–	–	–	2/B2	2/K4	–	W1	H1	
2-003B	20	4-0	X 7-0	D	HM	PT	A	–	HM	7	H10	L4	C8	–	–	2/S2	2/B2	4/K4	–	W1	H1	
2-003C	20	4-0	X 7-0	D	HM	PT	A	–	HM	7	H10	L4	C8	–	–	2/S2	2/B2	4/K4	–	W1	H1	
2-003D	20	6-0	X 7-0	A	HM	PT	A	–	HM	2	6/H2	L6	2/C9	–	–	–	2/B2	2/K4	–	W1	H1	
2-003E	20	3-0	X 7-0	A	HM	PT	A	–	HM	2	3/H2	L6	C9	–	–	–	–	X4	–	W1	–	
2-003F	20	4-0	X 7-0	D	HM	PT	A	–	HM	7	H10	L4	C8	–	–	2/S2	2/B2	4/K4	–	W1	H1	
2-003G	20	4-0	X 7-0	D	HM	PT	A	–	HM	7	H10	L4	C8	–	–	2/S2	2/B2	4/K4	–	W1	H1	
2-003H	20	3-0	X 7-0	A	HM	PT	A	–	HM	2	3/H2	L2	C9	–	–	–	–	X4	–	W1	–	
2-008A	90	6-0	X 7-0	A	HM	PT	A	–	HM	7	6/B2	L2	2/C2	–	–	2/S7	2/B2	2/K4	–	W1	H1	
2-008B	20	4-0	X 7-0	D	HM	PT	A	–	HM	7	H10	L4	C8	–	–	2/S2	2/B2	4/K4	–	W1	H1	
2-008C	90	3-6	X 7-0	A	HM	PT	A	–	HM	7	3/B3	L4	C9	–	–	–	–	2/K4	–	W1	–	
2-008D	20	3-0	X 7-0	A	HM	PT	A	–	HM	2	3/H2	L4	C10	–	–	–	–	X4	–	W1	–	
2-010A	20	3-0	X 7-0	A	HM	PT	A	–	HM	2	3/H2	L4	C4	–	–	S2	–	2/K4	–	W1	–	
2-012A	20	3-0	X SP	L	WD	ST	G	B	HM	SP	3/H2	L4	C6	–	–	S2	–	X4	–	W1	–	9,12
2-012B	20	3-0	X SP	L	WD	ST	G	B	HM	SP	3/H2	L4	C6	–	–	S2	–	X4	–	W1	–	9,12
2-013A	20	3-0	X SP	L	WD	ST	G	B	HM	SP	3/H2	L4	C6	–	–	S2	–	X4	–	W1	–	9,12
2-013B	20	3-0	X SP	L	WD	ST	G	B	HM	SP	3/H2	L4	C6	–	–	S2	–	X4	–	W1	–	9,12
2-013C	90	7-5	X SP	A	HM	PT	G	D	HM	SP	6/H11	–	2/C16	E7	–	2/S7	–	–	–	W1	H2	12,14
2-014A	20	7-10	X SP	L	WD	ST	G	B	HM	SP	3/H2	L4	C6	–	–	S2	–	X4	–	W1	–	9,12
2-015A	20	3-0	X SP	L	WD	ST	G	B	HM	SP	3/H2	L4	C6	–	–	S2	–	X4	–	W1	–	9,12
2-015B	20	3-0	X SP	L	WD	ST	G	B	HM	SP	3/H2	L4	C6	–	–	S2	–	X4	–	W1	–	9,12
2-016A	20	3-0	X 7-0	A	WD	ST	A	D	HM	2	3/H2	L4	C6	–	–	B2	–	–	–	W1	–	
2-017A	45	SP	X SP	K	SP	PT	SP	–	SP	SP	–	–	–	–	–	–	–	–	–	–	–	16
2-018A	45	2-0	X 7-0	A	HM	PT	A	–	HM	2	3/H2	L2	C2	–	–	S2	–	–	–	W1	–	
2-018B	45	3-0	X 7-0	A	HM	PT	A	–	HM	2	3/H2	L6	C6	–	–	S2	–	–	–	W1	–	
2-100A	–	3-0	X 7-0	B	HM	PT	A	–	HM	2	3/H1	L4	–	–	–	S2	–	2/K4	–	–	–	
2-101A	–	3-0	X 7-0	A	HM	PT	A	–	HM	2	3/H1	L4	–	–	–	S2	–	2/K4	–	W1	–	
2-101B	20	3-0	X 7-0	A	HM	PT	A	–	HM	2	3/H2	L4	C4	–	–	S2	–	2/K4	–	–	–	
2-102A	–	3-0	X 7-0	A	HM	PT	A	–	HM	2	3/H1	L4	–	–	–	S2	–	2/K4	–	–	–	
2-105A	–	3-0	X 7-0	B	HM	PT	A	–	HM	2	3/H1	L4	–	–	–	S2	–	X4	–	–	–	
2-106A	–	3-0	X 7-0	B	HM	PT	A	–	HM	2	3/H1	L2	–	–	–	S2	–	X4	–	–	–	
2-106B	–	3-0	X 7-0	B	HM	PT	A	–	HM	2	3/H1	L2	–	–	–	S2	–	X4	–	–	–	
2-106C	–	3-0	X 7-0	B	HM	PT	A	–	HM	2	3/H1	L4	–	–	–	S2	–	–	–	–	–	
2-200A	–	3-0	X 7-0	B	HM	PT	A	–	HM	2	3/H1	L4	–	–	–	S2	–	–	–	–	–	
2-200B	–	3-0	X 7-0	A	HM	PT	A	–	HM	2	3/H1	L4	–	–	–	S2	–	X4	–	–	–	
2-200C	–	4-0	X 7-0	A	HM	PT	A	–	HM	2	6/H1	L4	–	–	–	2/S2	2/B1	4/K4	–	–	–	
2-200D	–	6-0	X 7-0	A	HM	PT	A	–	HM	2	6/H1	L4	–	–	–	2/S2	2/B1	2/K4	–	–	–	
2-200E	90	3-0	X 7-0	A	HM	PT	A	–	HM	2	3/H2	L4	C6	–	–	S7	–	2/K4	–	–	–	
2-204A	–	3-0	X 7-0	B	HM	PT	A	–	HM	2	3/H1	L4	–	–	–	S2	–	X4	–	–	–	
2-205A	–	3-0	X 7-0	B	HM	PT	A	–	HM	2	3/H1	L4	–	–	–	S2	–	X4	–	–	–	
2-206A	–	3-0	X 7-0	B	HM	PT	A	–	HM	2	3/H1	L4	–	–	–	B2	–	X4	–	–	–	
2-207A	–	3-0	X 7-0	B	HM	PT	A	–	HM	2	3/H1	L4	–	–	–	S2	–	X4	–	–	–	
2-300A	90	3-6	X 7-0	B	HM	PT	A	–	HM	7	3/H3	L4	–	–	–	S2	–	2/K4	–	–	–	
2-301A	–	3-0	X 7-0	A	HM	PT	A	–	HM	2	3/H1	L4	–	–	–	S2	–	X4	–	–	–	
2-302A	–	3-0	X 7-0	B	HM	PT	A	–	HM	2	3/H1	L4	–	–	–	S2	–	X4	–	–	–	
2-303A	–	3-0	X 7-0	B	HM	PT	A	–	HM	2	3/H1	L4	–	–	–	S2	–	X4	–	–	–	
2-304A	–	3-0	X 7-0	B	HM	PT	A	–	HM	2	3/H1	L4	–	–	–	B2	–	X4	–	–	–	
2-305B	90	3-6	X 7-0	A	HM	PT	A	–	HM	7	3/H3	L4	C2	–	–	S2	–	2/K4	–	–	–	
2-400A	20	3-0	X 7-0	A	HM	PT	A	–	HM	2	3/B2	L4	@2	–	–	B2	–	X4	–	W1	–	
2-401A	20	3-0	X 7-0	A	HM	PT	A	–	HM	2	2/H2	L4	C2	–	–	B2	–	X4	–	W1	–	
2-402A	20	3-0	X 7-0	A	HM	PT	A	–	HM	2	3/B2	L4	C2	–	–	S2	–	X4	–	W1	–	
2-403A	20	3-0	X 7-0	A	HM	PT	A	–	HM	2	3/B2	L2	C2	–	–	S2	–	X4	–	W1	–	
2-404A	20	3-0	X 7-0	A	WD	ST	C	G	HM	2	3/H2	L2	C2	–	–	B1	–	X4	–	W1	–	
2-405A	20	3-0	X 7-0	A	WD	ST	C	G	HM	2	3/H2	L2	C2	–	–	B1	–	–	–	–	–	
2-406A	20	8-0	X 7-0	A	HM	PT	G	D	HM	SP	6/B11	L2	2/C16	–	–	2/S7	2/B2	–	–	W1	H1	18
2-500A	90	3-0	X 7-0	A	WD	ST	A	D	HM	2	3/B2	L8	C2	–	–	S7	–	–	–	W1	–	
2-501A	–	3-0	X 7-0	A	WD	ST	A	B	HM	2	3/H1	L4	–	–	–	S2	–	–	–	–	–	
2-502A	–	3-0	X 7-0	A	WD	ST	A	–	HM	2	3/H1	L4	–	–	–	S2	–	–	–	–	–	
2-504A	–	3-0	X 7-0	A	WD	ST	A	–	HM	2	3/H1	L4	–	–	–	S2	–	–	–	–	–	
2-505A	–	3-0	X 7-0	A	WD	ST	A	–	HM	2	3/H1	L4	–	–	–	B2	–	–	–	–	–	
2-506A	–	3-0	X 7-0	A	WD	ST	A	–	HM	2	3/H1	L4	–	–	–	S2	–	–	–	–	–	
2-508A	–	3-0	X 7-0	A	WD	ST	A	–	HM	2	3/H1	L4	–	–	–	B2	–	–	–	–	–	
2-509A	–	2-0	X 7-0	A	WD	ST	A	–	HM	2	3/H1	L4	–	–	–	B2	–	–	–	–	–	
2-510A	–	3-0	X 7-0	A	WD	ST	A	–	HM	2	3/H1	L4	–	–	–	S2	–	–	–	–	–	
2-511A	–	3-0	X 7-0	A	WD	ST	A	B	HM	2	3/H1	L4	–	–	–	B2	–	–	–	–	–	
2-512A	20	3-0	X 7-0	A	WD	ST	A	–	HM	2	H12	L10	C6	–	–	B2	–	–	–	W1	–	22
2-512B	90	3-0	X 7-0	A	WD	ST	A	D	HM	2	3/B2	L2	C2	–	–	S7	–	–	–	–	–	
2-513A	–	3-0	X 7-0	–	–	–	D	–	HM	2	–	–	–	–	–	–	–	–	–	–	–	
2-306A	90	3-4	X 7-0	A	HM	PT	A	–	HM	T	3/H3	L4	C2	–	–	S2	–	2/K4	–	–	–	
2-306C	90	3-4	X 7-0	A	HM	PT	A	–	HM	T	3/H3	L4	C2	–	–	S2	–	2/K4	–	–	–	
2-008E	90	3-0	X 7-0	A	HM	PT	A	–	HM	T	3/H3	L4	C4	–	–	–	–	2/K4	–	W1	–	
2-300B	90	3-0	X 7-0	A	HM	PT	A	–	HM	T	3/H3	L4	C4	–	–	–	–	2/K4	–	–	–	
ROOF																						
R-001A	–	3-0	X 7-0	A	HM	PT	E	H	HM	22	3/H4	L6	C9	–	–	–	–	–	–	T1	W6	–	21
R-002A	–	6-0	X 7-0	A	HM	PT	E	H	HM	22	6/H4	L6	C9	–	–	S6	2/B1	–	–	T1	W6	–	21
HAZARDOUS STORAGE SHED																						
H-001A	–	6-0	X 8-0	A	SP	TE	SP	SP	HM	SP	–	L1	–	–	–	–	–	2/K4	–	–	–	4,5
H-002A	–	6-0	X 8-0	A	SP	TE	SP	SP	HM	SP	–	L1	–	–	–	–	–	2/K4	–	–	–	4,5
H-003A	–	6-0	X 8-0	A	SP	TE	SP	SP	HM	SP	–	L1	–	–	–	–	–	2/K4	–	–	–	4,5
H-004A	–	6-0	X 8-0	A	SP	TE	SP	–	HM	SP	–	L1	–	–	–	–	–	–	–	–	–	4
STAIR TOWERS																						
S-1A	–	3-0	X 7-0	A	HM	PT	F	H	HM	17	3/H4	L1	C5	E5	–	S3	–	–	T1	W6	–	
S-1B	60	3-0	X 7-0	A	HM	PT	F	A	HM	17	3/H2	L6	C2	–	–	S2	–	–	–	W1	–	
S-1C	60	3-0	X 7-0	C	HM	PT	A	B	HM	2	3/H2	L2	C2	–	–	S2	–	–	–	W1	–	
S-1D	60	3-0	X 7-0	C	HM	PT	A	H	HM	2	3/H2	L2	C2	–	–	S2	–	–	–	W1	–	
S-2A	–	3-0	X SP	G	AL	–	SP	SP	AL	SP	3/H4	L1	C17	EB	–	S3	–	–	T2	–	–	12
S-2B	60	3-0	X 7-0	C	HM	PT	A	B	HM	2	3/H2	L2	C2	–	–	S2	–	–	–	W1	–	
S-2C	60	3-0	X 7-0	C	HM	PT	A	B	HM	2	3/H2	L2	C2	–	–	S2	–	–	–	W1	–	
S-3A	–	3-0	X 7-0	A	HM	PT	F	H	HM	17	3/H4	L1	C5	E5	–	S3	–	–	T1	W6	–	
S-3B	60	3-0	X 7-0	C	HM	PT	A	–	HM	2	3/H2	L2	C2	–	–	S2	–	–	–	W1	–	
S-3C	60	3-0	X 7-0	C	HM	PT	A	–	HM	2	3/H2	L2	C2	–	–	S2	–	–	–	W1	–	
S-4A	–	3-0	X 7-0	A	HM	PT	F	H	HM	17	3/H4	L1	C5	E5	–	S3	–	X4	T1	W6	–	
S-4B	60	3-0	X 7-0	C	HM	PT	A	–	HM	2	3/H2	L2	C2	–	–	S2	–	X4	–	W1	–	
S-4C	60	3-0	X 7-0	C	HM	PT	A	B	HM	2	3/H2	L2	C2	–	–	S2	–	X4	–	W1	–	
S-4D	60	3-0	X 7-0	C	HM	PT	A	B	HM	2	3/H2	L2	C2	–	–	S2	–	X4	–	W1	–	
S-4E	–	3-0	X 7-0	A	HM	PT	E	H	HM	22	3/H4	L6	C1	–	–	S2	–	–	T1	W6	–	21

SHEET NOTES

1. SEE SHEET A0.02 FOR DESCRIPTION OF DOOR OPENING SYMBOLS FOUND ON THE A2 SERIES DRAWINGS.
2. LOCATE DOOR MARK ASSOCIATED WITH DOOR OPENING ON A2 SERIES DRAWINGS.
3. LOCATE DOOR MARK ON SCHEDULE - SEE SHEETS A9.07 AND A9.08. READ ACROSS FOR SIZE, CONSTRUCTION, ELEVATION TYPE, FIRE-RATING, FRAME TYPE, HARDWARE, ETC.
4. DOOR ELEVATIONS: SEE DETAIL 25 ON SHEET A8.05 FOR ILLUSTRATION OF INDICATED DOOR ELEVATION. NUMBER IN DOOR SCHEDULE REFERS TO APPLICABLE ELEVATION.
5. TYPICAL DOOR MATERIAL ABBREVIATIONS USED ON SCHEDULE:
   - WD = SOLID WOOD CORE, FIRE-RESISTIVE CORE FOR FIRE RATED DOORS
   - HM = HOLLOW METAL (STEEL)
   - AL = COATED ALUMINUM AND GLASS
   - SP = SPECIAL - SEE INDICATED DETAIL OR NOTE.
6. TYPICAL DOOR FACING/FINISH ABBREVIATIONS USED ON DOOR SCHEDULE:
   - PT = PAINTED
   - ST = STAINED
   - SP = SPECIAL - SEE INDICATED DETAIL OR NOTE.
7. FRAME TYPE: SEE DETAIL 15 ON SHEET A9.05 FOR ILLUSTRATION OF INDICATED FRAME PROFILE.
8. FRAME SILL: SEE DETAIL 18 ON SHEET A8.05 FOR ILLUSTRATION OF INDICATED THRESHOLD DETAIL.
9. TYPICAL FRAME MATERIAL ABBREVIATIONS USED ON DOOR SCHEDULE:
   - HM = HOLLOW METAL (STEEL)
   - AL = COATED ALUMINUM
   - SP = SPECIAL - SEE INDICATED DETAIL OR NOTE
10. FRAME/HD DETAIL: INDICATED NUMBER REFERS TO GENERIC FRAME CONSTRUCTION AND ATTACHMENT DETAILS ON SHEET A9.05. NOTE: THESE DETAILS DO NOT INDICATE FRAME PROFILE - SEE SCHEDULE AND DETAIL 15 ON SHEET A8.05.
11. TYPICAL WOOD FACING = BIRCH, UNLESS OTHERWISE NOTED.
12. ALL DOORS 1-3/4 INCHES THICK, UNLESS OTHERWISE NOTED.
13. ALL DOOR FRAMES AT FIRE-RATED DOORS TO BE GROUTED SOLID.
14. GLASS IN DOORS:
    - A. A7 ALUMINUM DOORS. SEE INDICATED DETAILS AND EXTERIOR ELEVATIONS TO DETERMINE GLASS TYPE.
    - B. AT OTHER NON-FIRE-RATED DOORS, GLAZING TYPE GL-11, UNLESS OTHERWISE NOTED.
    - C. A7 OTHER FIRE-RATED DOORS, GLAZING TYPE GL-9, UNLESS OTHERWISE NOTED.

SCHEDULE NOTES

1. SEE SHEET A8.15 FOR DETAILS OF COMPUTER ACCESS FLOOR AND COLOR SCHEDULE ON SHEET A8.16 FOR APPLIED FINISH.
2. SEE DETAIL 24 ON SHEET A8.36 FOR SPILL-CONTAINMENT TRENCH DRAIN A7 SILL CONDITION.
3. AUTOMATIC DOOR UNIT NO. 1.
4. BLAST RESISTANT DOOR. SEE SHEET A8.06 FOR DETAILS.
5. SEE DETAIL 25 ON SHEET A8.36 FOR SPILL-CONTAINMENT TRENCH DRAIN A7 SILL CONDITION (HAZARDOUS STORAGE SHED).
6. ROLL-UP DOOR, TYPE B (AT LOADING DOCK). SEE DETAIL 40 ON SHEET A8.08. SEE PLANS AND ELEVATIONS FOR DIMENSIONS.
7. SEE ELEVATION 28 ON SHEET A8.11 FOR APPLICABLE HEAD AND JAMB DETAIL REFERENCES.
8. SIMILAR TO SCHEDULE NOTE 7 ABOVE, BUT FOR CASED OPENING.
9. SEE ELEVATIONS ON SHEETS A8.07, A8.08, AND A8.09 FOR APPLICABLE HEAD AND JAMB DETAIL REFERENCES.
10. ROLL-UP DOOR, TYPE A (AT SECURITY COUNTER). SEE ELEVATION 38 ON SHEET A8.10 FOR APPLICABLE DETAIL REFERENCES. SEE DETAIL PLAN 25 ON SHEET A4.02 FOR PLAN DIMENSIONS.
11. WOOD FOLDING DOOR FOR LIGHT-REDUCTION PURPOSES AT F.M.A. ROOM.
12. DOOR HEIGHT = 7'-4 1/2".
13. DOOR WIDTH = 8'-4 1/2".
14. SEE DETAILS 23 AND DETAIL 20 ON SHEET A8.08 FOR HEAD AND JAMB DETAILS (CROSS CORRIDOR AT LINE "H.5").
15. SEE DETAIL 23 AND DETAIL 30 ON SHEET A8.06 FOR SIMILAR HEAD AND JAMB DETAILS (PASSENGER ELEVATOR LOBBY AT GROUND FLOOR). FRAME FACE DIMENSION IS 2 INCHES.
16. ROLL-UP DOOR, TYPE C (AT SERVICE ELEVATOR). SEE PLANS AND ELEVATIONS FOR DIMENSIONS.
17. SEE DETAIL 30 ON SHEET A8.08 FOR SIMILAR JAMB DETAIL (PERSONNEL GALLERY LOUNGE). SEE DETAIL 27 AND DETAIL 39 ON SHEET A8.08 FOR HEAD CONDITIONS.
18. SEE DETAIL 23 AND DETAIL 30 ON SHEET A8.08 FOR HEAD AND JAMB DETAILS (PASSENGER ELEVATOR LOBBY AT LAB LEVELS ONE AND TWO).
19. SEE PLANS AND ELEVATIONS FOR DIMENSIONS.
20. SEE DETAIL 40 ON SHEET A8.39 FOR CAFETERIA WINDOW WALL.
21. SEE DETAIL 13 ON SHEET A8.24 FOR OVERALL CONFIGURATION AT ROOF SILL/THRESHOLD.
22. WIRE CHASE FROM ELECTRIFIED HINGE TO ELECTRIC LOCKSET.
23. REVOLVING DARK ROOM DOOR.

04:18:44 PM

SMP

Stone Marraccini Patterson

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Laboratory Electrical Engineer

Revisions

No.		Date
1	BULLETIN NO. 1	11-11-91

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

DOOR SCHEDULE

Project No.		Drawing No.
19210.01	B1 BULLETIN	A9.08
Date 22 APR 1991		

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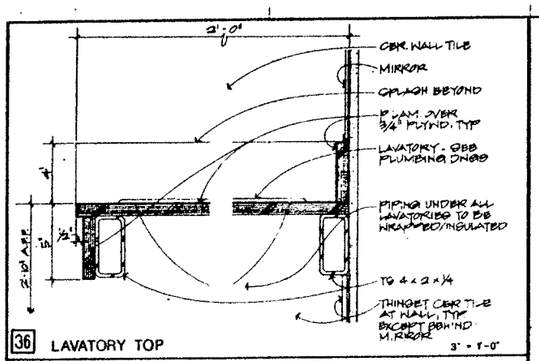
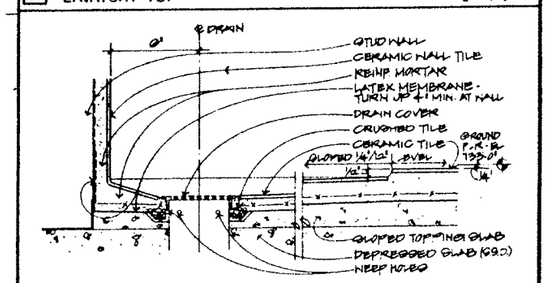
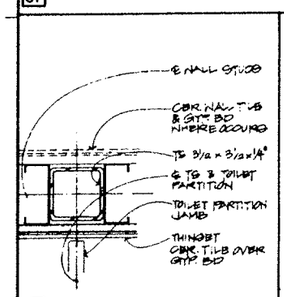


36 LAVATORY TOP

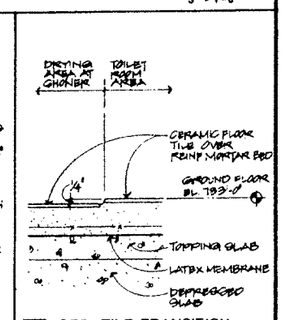


37 FLOOR AT SHOWER

3" = 1'-0"

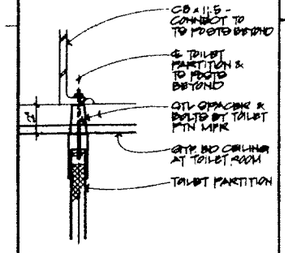


A PLAN SECTION



33 CER. TILE TRANSITION

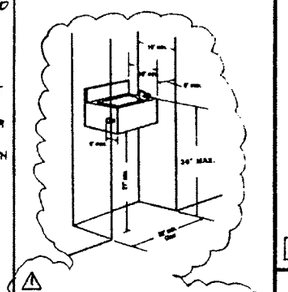
3" = 1'-0"



B SECTION THROUGH CEILING

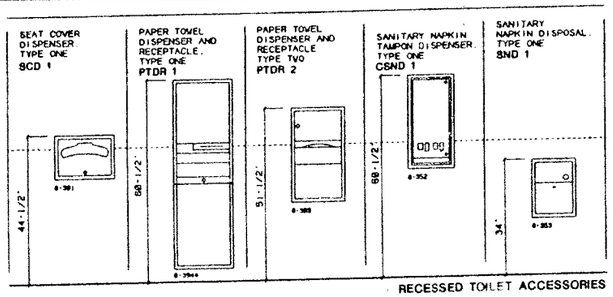
39 TOILET PARTITION SUPPORT

3" = 1'-0"

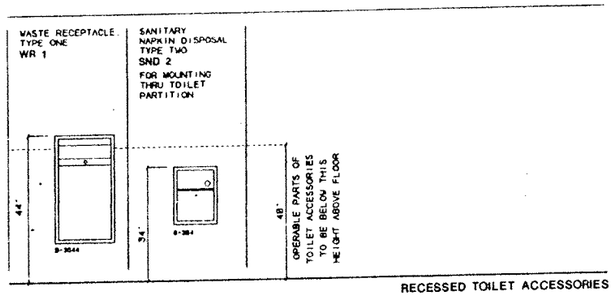


34 DRINKING FOUNTAIN

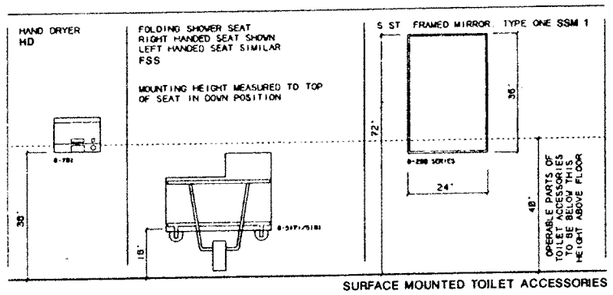
N.T.S.



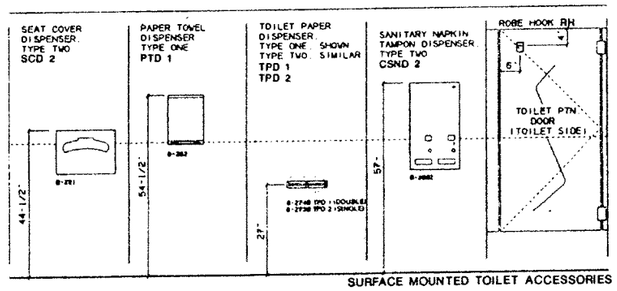
RECESSED TOILET ACCESSORIES



RECESSED TOILET ACCESSORIES



SURFACE MOUNTED TOILET ACCESSORIES



SURFACE MOUNTED TOILET ACCESSORIES

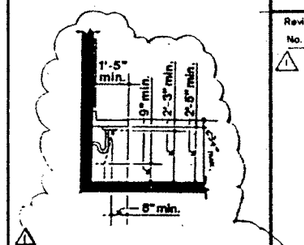
29 TYPICAL ACCESSORY MOUNTING HEIGHTS

TOILET ACCESSORY SCHEDULE

NAME OF TOILET ACCESSORY	ABBREV.	KEYNOTE	DETAIL	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	R	Q	S	T	U	V	W
				TOILET ACCESSORY GROUP DESIGNATION																					
SEAT COVER DISPENSER TYPE 1	SCD 1			●	●	●	●																		
SEAT COVER DISPENSER TYPE 2	SCD 2																								
PAPER TOWEL DISPENSER/ RECEPTACLE TYPE 1	PTD/R 1			●	●	●	●																		
PAPER TOWEL DISPENSER/ RECEPTACLE TYPE 2	PTD/R 2																								
PAPER TOWEL DISPENSER TYPE 1	PTD 1							●																	
WASTE RECEPTACLE TYPE 1	WR 1																								
TOILET PAPER DISPENSER TYPE 1	TPD 1			●	●	●	●																		
TOILET PAPER DISPENSER TYPE 2	TPD 2																								
SANITARY NAPKIN/TAMPON DISPENSER TYPE 1	SNTD 1			●		●																			
SANITARY NAPKIN/TAMPON DISPENSER TYPE 2	SNTD 2																								
SANITARY NAPKIN DISPOSAL TYPE 1	SND 1			●																					
SANITARY NAPKIN DISPOSAL TYPE 2	SND 2			●		●																			
STAINLESS STEEL FRAMED MIRROR TYPE 1	SSM 1																								
HAND DRYER	HD																								
FOLDING SHOWER SEAT	FSS			●	●																				
ROBE HOOK	RH			●	●	●	●																		
SOAP DISPENSER-LIQUID TYPE 1	SDL 1			●	●	●	●																		
SOAP DISPENSER-LIQUID TYPE 2	SDL 2																								
SHOWER CURTAIN ROD	SCR			●	●																				
GRAB BAR TYPE 1	GB 1			●	●																				
GRAB BAR TYPE 2 - 42"	GB 2			●	●	●	●																		
GRAB BAR TYPE 3 - 36"	GB 3			●	●	●	●																		
MOP & BROOM RACK	MBR								●	●															
6 - 10" WIDE ADJUSTABLE SHELVES	AS								●																
SOAP DISH (SHOWER)	SD			●	●																				

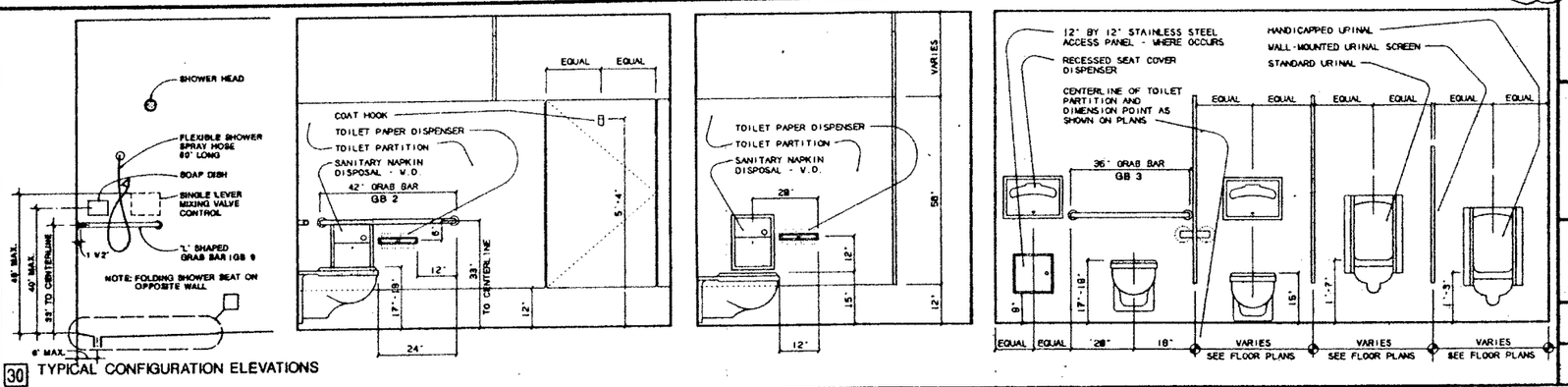
SCHEDULE NOTES

1. REFER TO "ROOM NAME AND FINISH SYMBOLS" ON SHEET A8.02 FOR DESCRIPTION OF TOILET ACCESSORY GROUP IDENTIFICATION SYSTEM.
2. REFER TO A2 SERIES DRAWINGS FOR TOILET ACCESSORY GROUP ASSIGNED TO EACH ROOM.
3. REFER TO TOILET ACCESSORY SCHEDULE ABOVE FOR LIST OF TOILET ACCESSORIES TO BE PROVIDED AT EACH GROUP. NOTE: SOME ROOMS MAY REQUIRE MORE THAN ONE OF SOME OR ALL OF THE ACCESSORIES LISTED.
4. REFER TO THE TYPICAL CONFIGURATION ELEVATIONS ON THIS SHEET TO DETERMINE THE TYPICAL ARRANGEMENT OF ACCESSORIES AND PLUMBING FIXTURES AT TOILET STALLS, URINALS, AND SHOWERS. WHERE MORE THAN ONE TOILET STALL, URINAL, OR SHOWER IS SHOWN ON THE PLANS, PROVIDE THE ACCESSORIES SCHEDULED AS ILLUSTRATED AT EACH STALL, URINAL, OR SHOWER.
5. TO DETERMINE THE LOCATION AND HEIGHT OF OTHER ACCESSORIES:
   A. REFER TO THE SPECIFIC HORIZONTAL DIMENSIONS SHOWN ON THE FLOOR PLANS OR INTERIOR ELEVATIONS.
   B. REFER TO THE TYPICAL VERTICAL MOUNTING HEIGHTS SHOWN ON THIS SHEET. MOUNTING HEIGHTS SHOWN ARE BASED ON THE SPECIFIED ACCESSORIES.

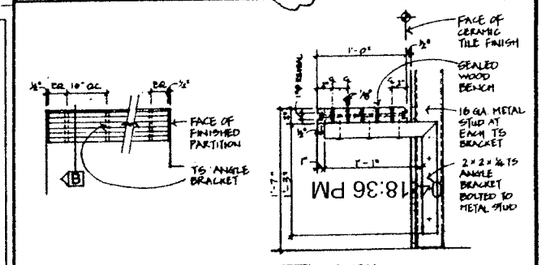


4 MIN. LAVATORY CLEARANCES

N.T.S.



30 TYPICAL CONFIGURATION ELEVATIONS



A PLAN

B SECTION

40 WOOD DRESSING AREA BENCH

1 1/2" = 1'-0"

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1 BULLETIN NO. 1	

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Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

TOILET ACCESSORY SCHEDULE AND DETAILS

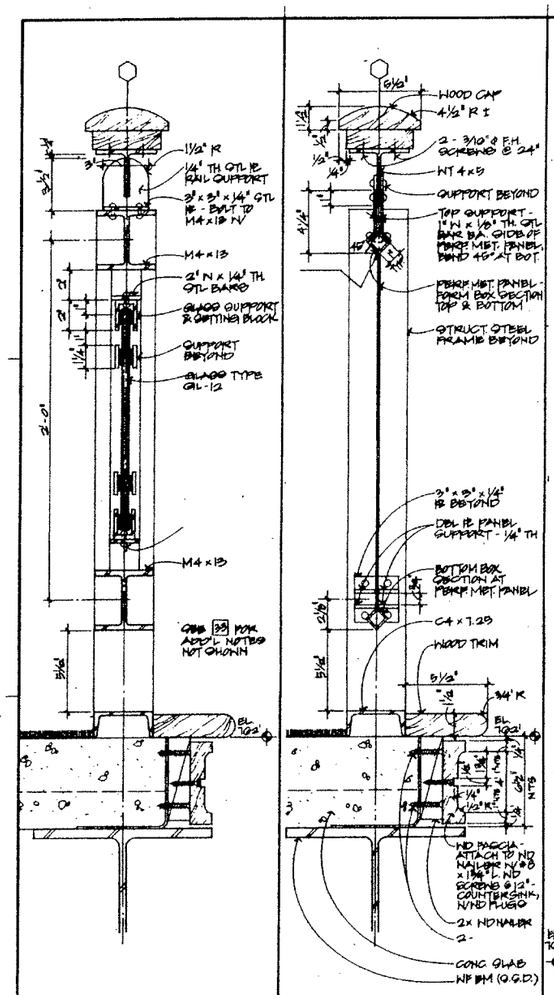
Project No. 19210.01

Date 23 APR 91

B1 BULLETIN

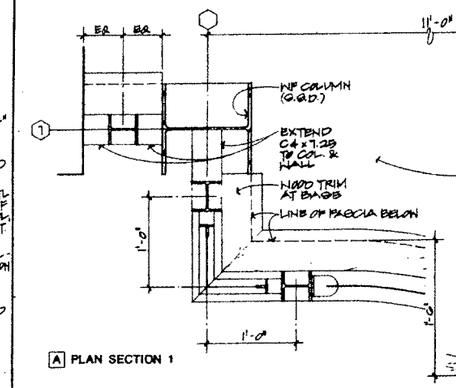
Drawing No. A9.09

000681

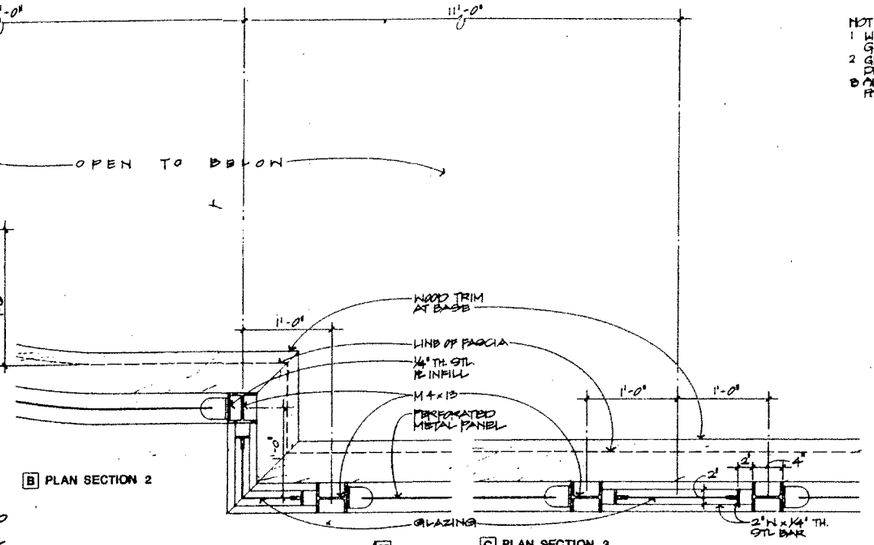


38 SECTION - GUARDRAIL AT STEEL FRAME 3" = 1'-0"

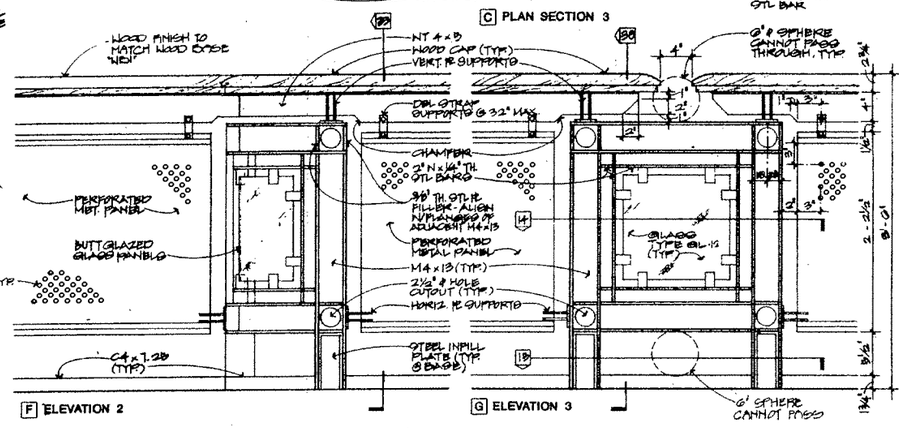
33 SECTION - GUARDRAIL AT METAL PANEL 3" = 1'-0"



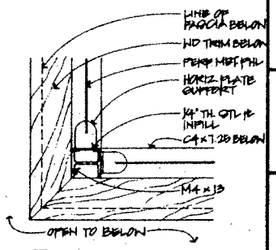
A PLAN SECTION 1



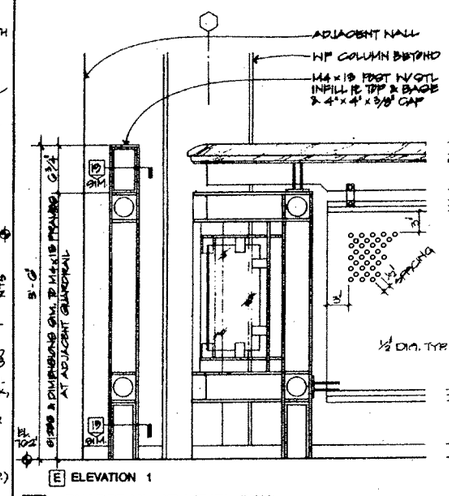
B PLAN SECTION 2



C PLAN SECTION 3

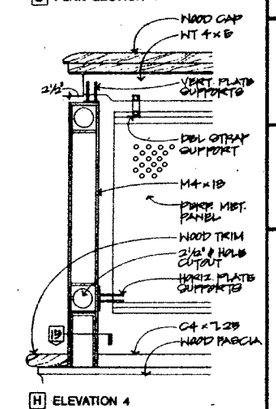


D PLAN SECTION 4



E ELEVATION 1

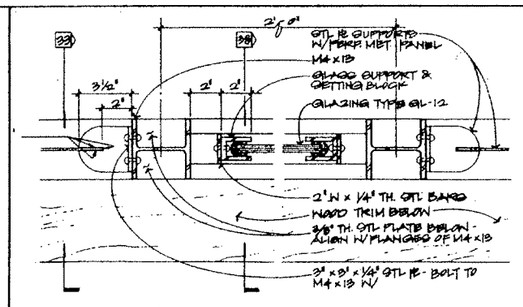
F ELEVATION 2



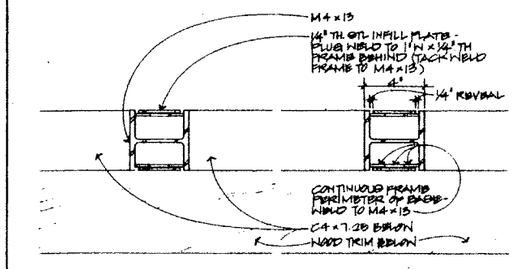
H ELEVATION 4

39 SECTION - CURVED GUARDRAIL 3" = 1'-0"

34 SECTION - SOFFIT UNDER GUARDRAIL 3" = 1'-0"



14 PLAN SECTION - GUARDRAIL AT STEEL FRAME 3" = 1'-0"



15 PLAN SECTION - GUARDRAIL AT BASE OF STEEL FRAME 3" = 1'-0"

NOTES REGARDING FINISHES:
1 WOOD CAP FINISH TO MATCH WOOD CEILING GRID AND WOOD BASE.
2 GRIND ALL WELDS SMOOTH. CLEAN AND DRESS ALL CONNECTIONS.
3 ALL METAL SURFACES TO BE PAINTED

04:17:53 PM

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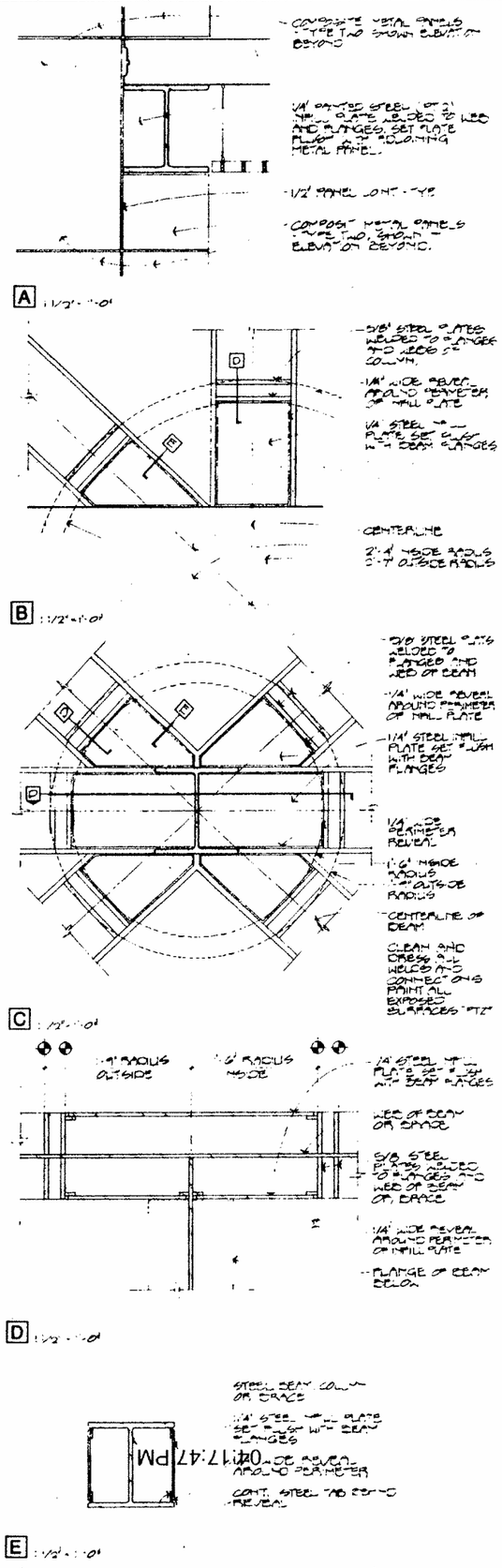
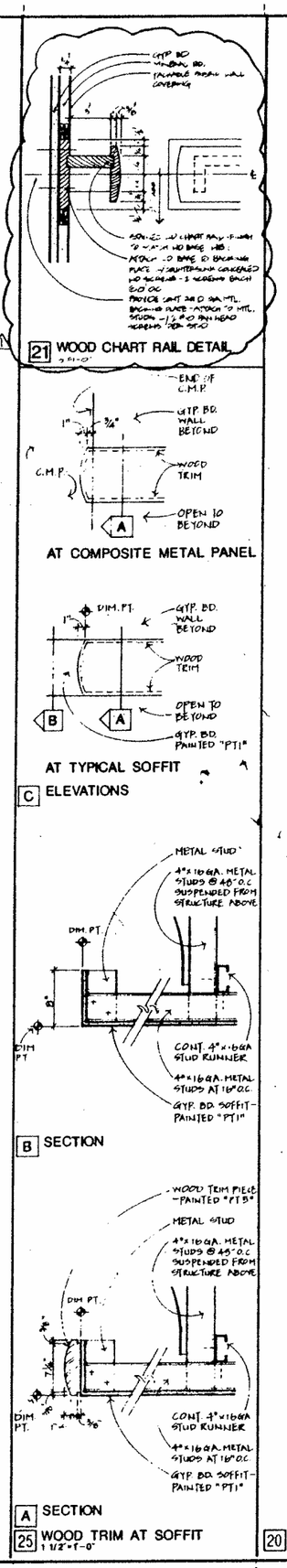
PERSONNEL GALLERY GUARDRAIL DETAILS

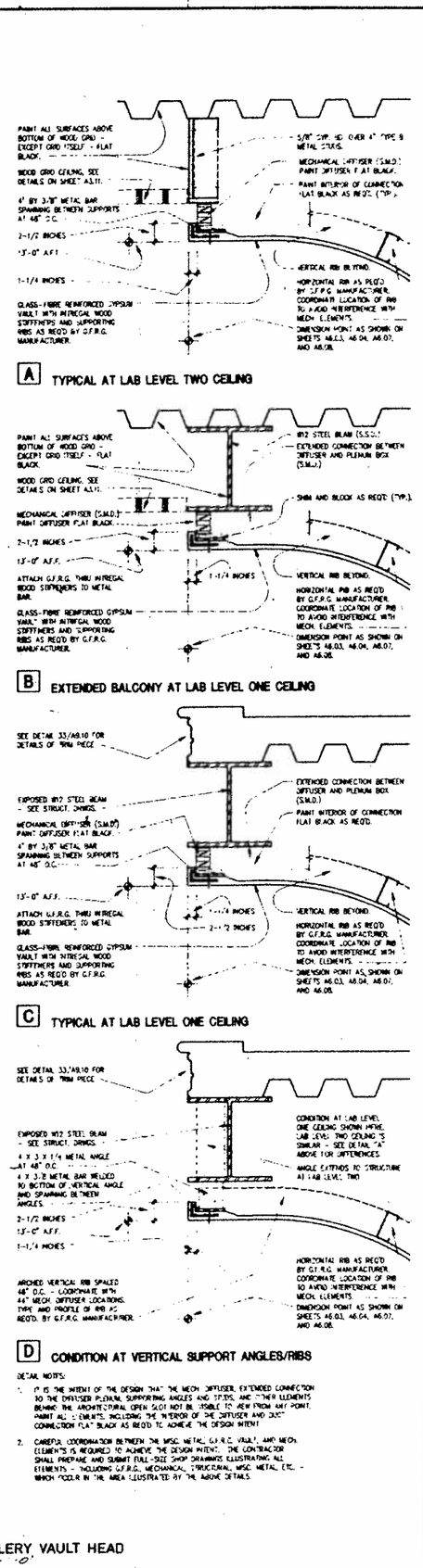
Project No.		Drawing No.
19210.01	B	A9.10
Date 22 APR 1991	BIDDING	

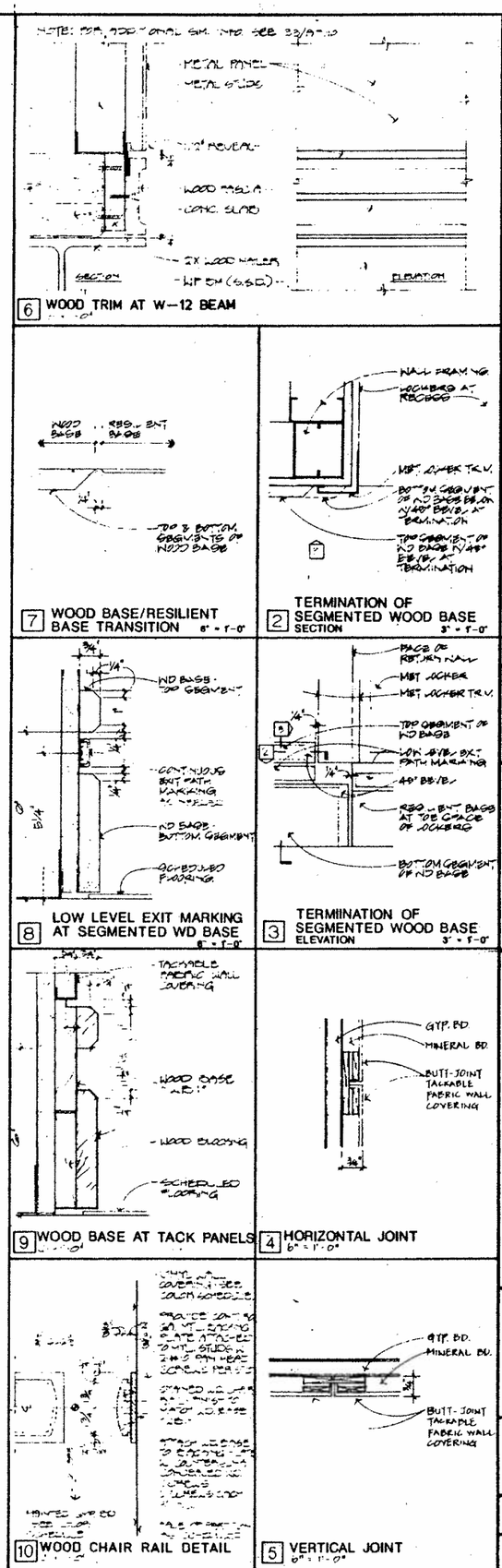
000682



40 STEEL PLATE CLOSURE DETAIL







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PERSONNEL GALLERY DETAILS

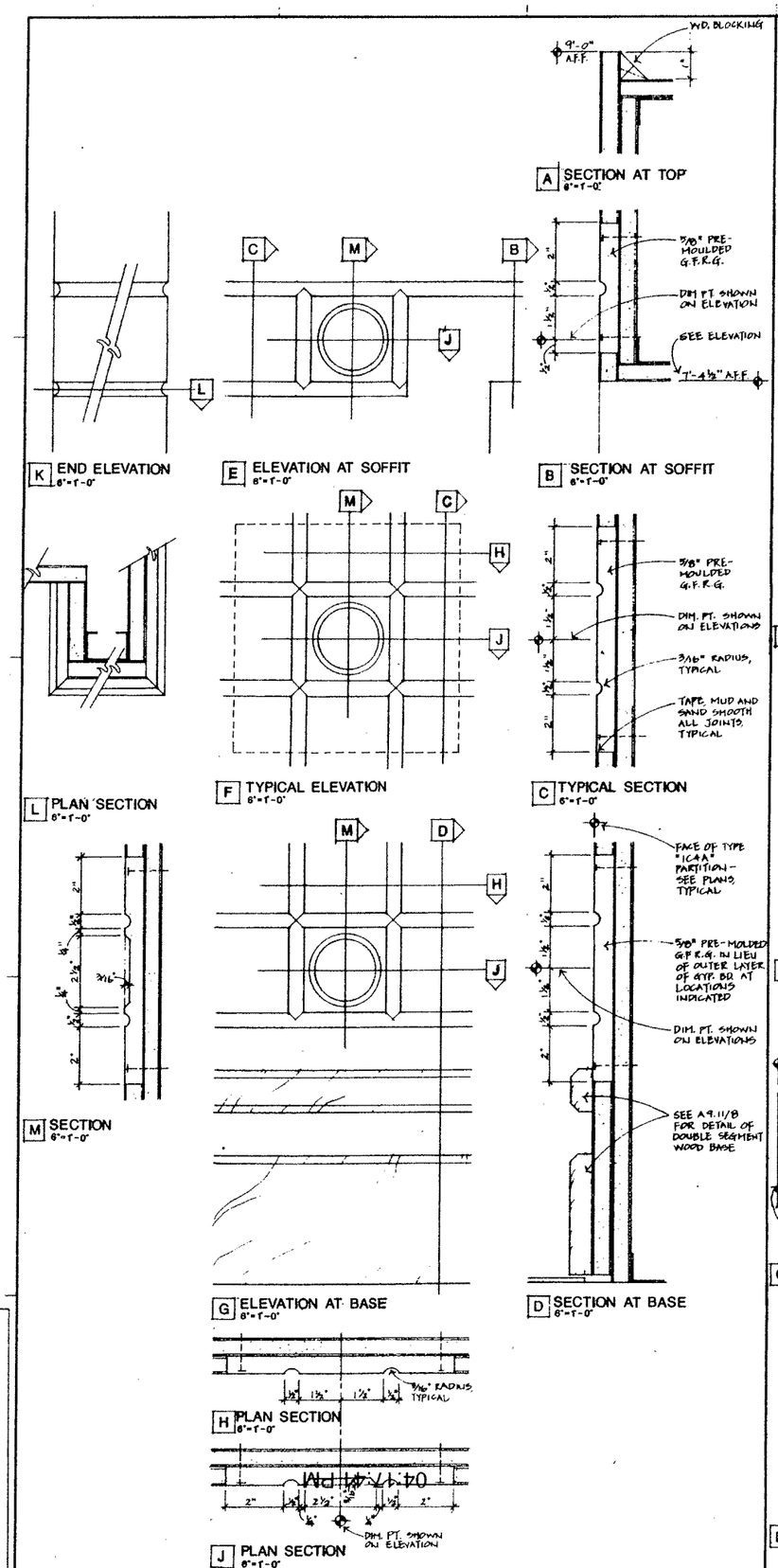
Project No. 19210.01

Date 22 APRIL 1991

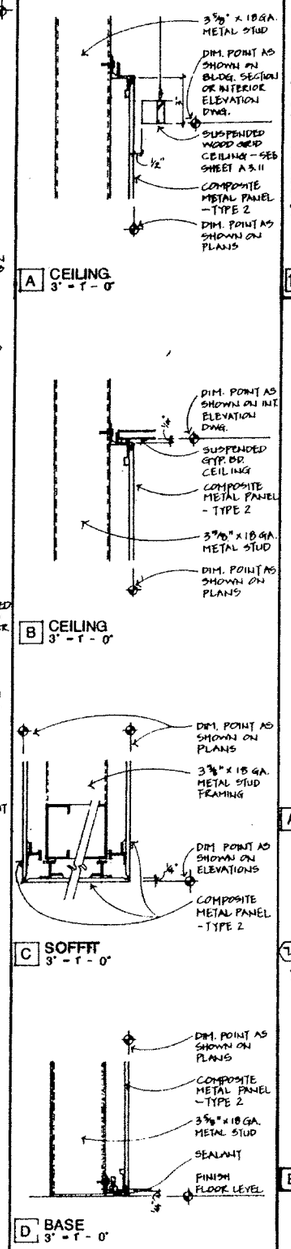
A2 ADDENDUM

Drawing No. A9.11

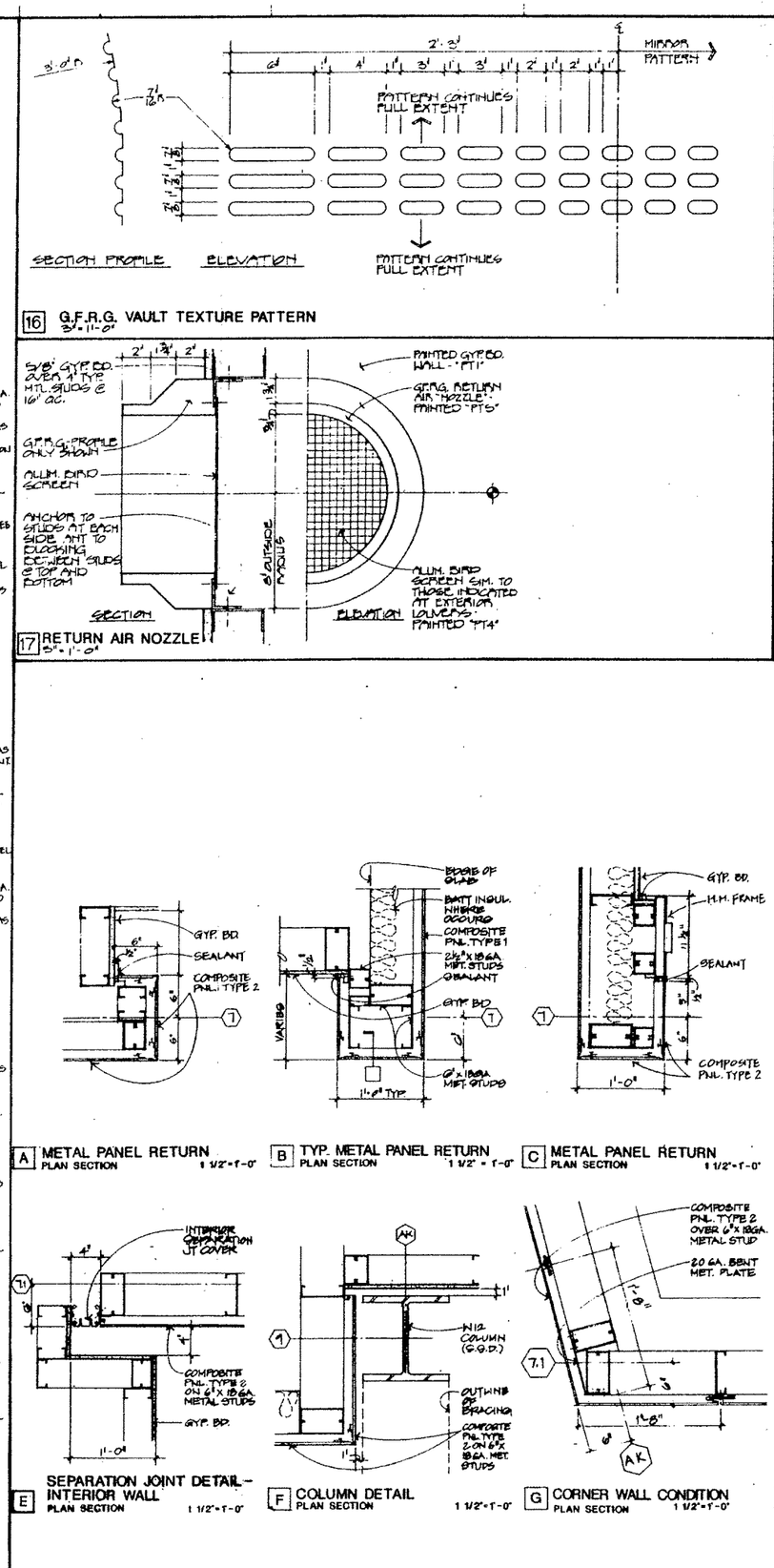
000683

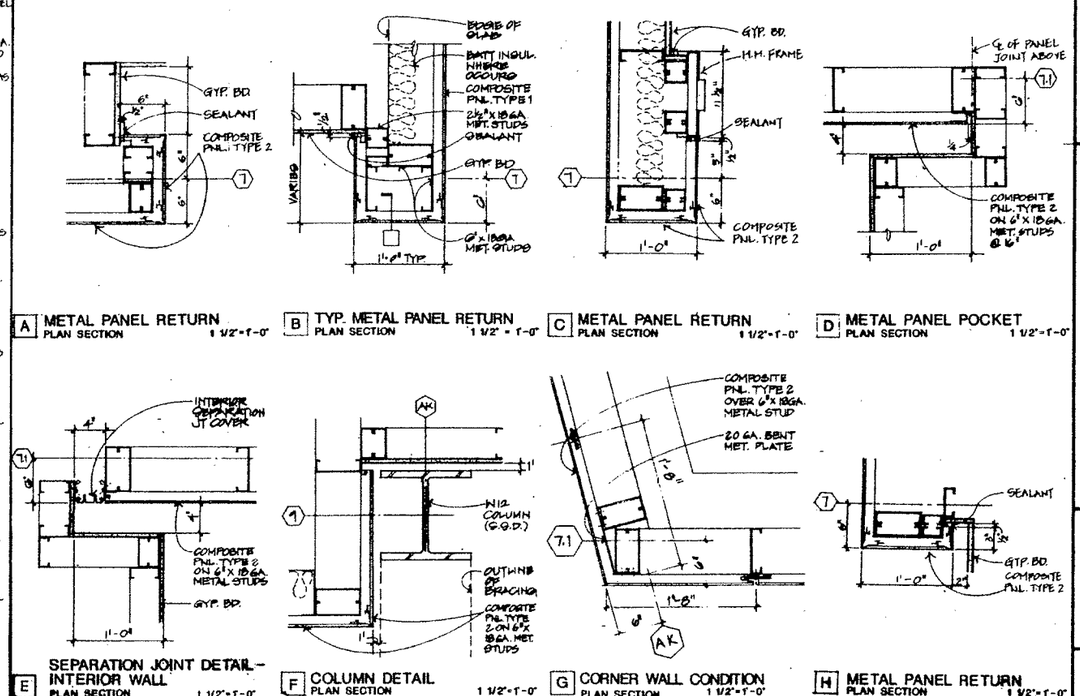


40 G.F.R.G. REVEALS



25 INTERIOR METAL PANEL DETAILS SECTION





20 INTERIOR METAL PANEL DETAILS

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INTERIOR DETAILS

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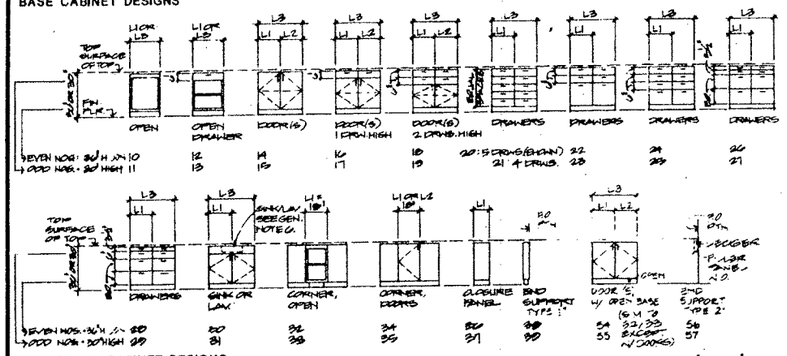
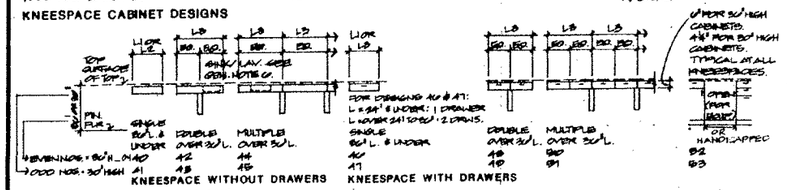
19210.01	B	A9.12
Date 22 APR 1991	BIDDING	

000684

BASE CABINET DESIGNS

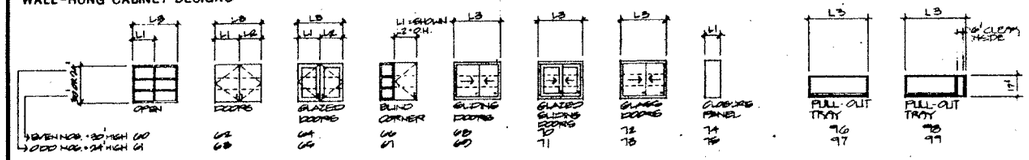


KNEESPACE CABINET DESIGNS

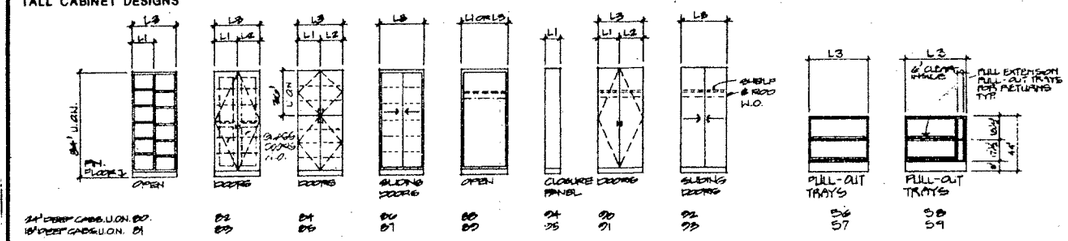


KNEESPACE WITHOUT DRAWERS KNEESPACE WITH DRAWERS

WALL-HUNG CABINET DESIGNS



TALL CABINET DESIGNS



23 MODULAR PLASTIC LAMINATE CASEWORK SCHEDULE

DESIGNATIONS		A	B	C	D	E	F	G	H	J	K	L	M	N	P	Q	R	S	T	U	V	W	X	Y	Z
L1	SINGLE MOD. CABINET DOOR, W.O.-L.H.	9	12	15	18	21	24		1	H	C	H	E	B		T	Y	F					(1)		
L2	SINGLE MOD. CABINET DOOR, W.O.-R.H.							9	12	15	18	21	24										(1)		
L3	DOUBLE MOD. CABINET DOORS, W.O.-PAIR													24	27	30	33	36	39	42	45	48	(1)	60	52

(1) WIDTH AS REQUIRED. USED FOR CLOSURES, UNUSUAL WIDTHS, ETC.

24 LENGTH OF CABINET AND HAND OF DOOR SWING W.O.

24R

ALL MODULAR CASEWORK IS IDENTIFIED BY 3 DIGITS ON THE FLOOR PLANS OR ELEVATIONS.

THE FIRST TWO DIGITS IS A NUMBER AND IDENTIFIES THE TYPE AND DESIGN OF THE CABINET

THE THIRD AND LAST DIGIT IS A LETTER AND IDENTIFIES THE LENGTH OF THE CABINET AND, WHERE A DOOR OCCURS, THE HAND OF THE DOOR SWING.

24R* ← CASEWORK WITH LOCKS ARE SHOWN WITH A "LOCK SYMBOL".

62F ← WALL-MOUNTED CASEWORK WITH LIGHT FIXTURES ARE SHOWN UNDERLINED. SEE DETAIL 20A AND SHEET NOTES.

TYPE AND DESIGN OF CABINET (FIRST 2 DIGITS):

REFER TO DETAIL 23 "MODULAR PLASTIC LAMINATE CASEWORK SCHEDULE".

BASE CABINETS
- BASE CABINETS ARE NUMBERED 10 THROUGH 50.
- EVEN NUMBERS ARE 36-INCH HIGH CABINETS, U.O.N.
- ODD NUMBERS ARE 36-INCH HIGH CABINETS, U.O.N.

WALL-HUNG CABINETS
- WALL-HUNG CABINETS ARE NUMBERED 60 THROUGH 79.
- EVEN NUMBERS ARE 30-INCH HIGH CABINETS, U.O.N.
- ODD NUMBERS ARE 24-INCH HIGH CABINETS, U.O.N.

TALL CABINETS
- TALL CABINETS ARE NUMBERED 80 THROUGH 99.
- ALL TALL CABINETS ARE 84 INCHES HIGH, U.O.N.
- EVEN NUMBERS ARE 24-INCH DEEP CABINETS U.O.N.
- ODD NUMBERS ARE 18-INCH DEEP CABINETS, U.O.N.

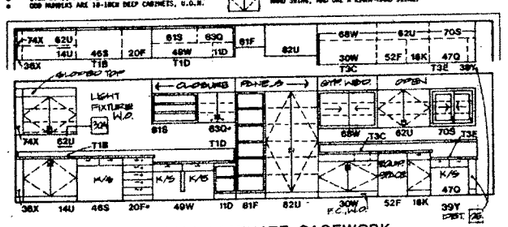
LENGTH OF CABINET AND HAND OF DOOR SWING (LAST DIGIT):

REFER TO DETAIL 24 "LENGTH OF CABINET AND HAND OF DOOR SWING, W.O.".

L1 — LENGTHS IDENTIFIED IN THE TABULATION UNDER THE L1 COLUMN ARE SINGLE-MODULE CABINETS AND ARE 9" TO 24" LONG IN 3" INCREMENTS. WHERE A DOOR OCCURS, THE L1 COLUMN ALSO IDENTIFIES THE DOOR AS A LEFT-HAND SWING. (THE HINGES ARE ON THE LEFT SIDE OF THE DOOR)

L2 — SIMILAR TO THE L1 COLUMN, LENGTHS IDENTIFIED UNDER THE L2 COLUMN ARE SINGLE-MODULE CABINETS AND ARE 9" TO 24" LONG IN 3" INCREMENTS. HOWEVER, WHERE A DOOR OCCURS, THE L2 COLUMN IDENTIFIES THE DOOR AS A RIGHT-HAND SWING. (THE HINGES ARE ON THE RIGHT SIDE OF THE DOOR)

L3 — LENGTHS IDENTIFIED IN THE TABULATION UNDER THE L3 COLUMN ARE DOUBLE-MODULE CABINETS AND ARE 24" TO 48" LONG IN 3" INCREMENTS. WHERE DOORS OCCUR, THEY ARE A PAIR: ONE A LEFT-HAND SWING, AND ONE A RIGHT-HAND SWING.



25 MODULAR PLASTIC LAMINATE CASEWORK IDENTIFICATION SYSTEM

SHEET NOTES

1. REFER TO A2 SERIES FLOOR PLANS FOR GENERAL LOCATIONS OF ARCHITECTURAL CASEWORK RELATING TO THIS SCHEDULE. SEE LABORATORY FURNISHING (LF) DRAWINGS FOR LABORATORY CASEWORK WHICH IS SHOWN AND SCHEDULED ON LABORATORY FURNISHING (LF) DRAWINGS.
2. SEE A6 SERIES INTERIOR ELEVATIONS FOR SPECIFIC INFORMATION REGARDING ARCHITECTURAL CASEWORK TYPES RELATING TO THIS SCHEDULE.
3. DETAILS REFERENCED ON THIS SHEET MAY BE FOUND ON SHEET A9.14, UNLESS OTHERWISE INDICATED.
4. ROOM 1-501: CASEWORK TYPE "62W" HAS FIXTURE BELOW. SEE ELECTRICAL DRAWINGS AND DETAIL 30A ON SHEET A9.14.
5. ROOM G-308: CASEWORK TYPES "12Q" AND "30X" ARE 44" TO TOP OF COUNTER SURFACE. TYPE "12O" HAS THREE OPEN SHELVES IN LIEU OF THE TWO SHELVES SHOWN BY SCHEDULE AT LEFT. SEE INTERIOR ELEVATION ON SHEET A6.13 FOR ADDITIONAL SPECIAL INFORMATION REGARDING DEPTH OF COUNTER AND COUNTER-TOP EDGE CONDITIONS.
6. ROOM G-216: SEE DETAILS 12 AND 13 ON SHEET A9.14 FOR SPECIAL DETAILS ILLUSTRATING HEIGHT AND DEPTH OF TYPES "58Y", "58Y", "56Z", AND "56Z".

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No.	Date

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Kaiser Permanente Medical Care Program
Southern California Region

INTERIOR DETAILS
CASEWORK SCHEDULE

Project No.		Drawing No.
19210.01	B	A9.13
Date 22 APR 1991	BIDDING	

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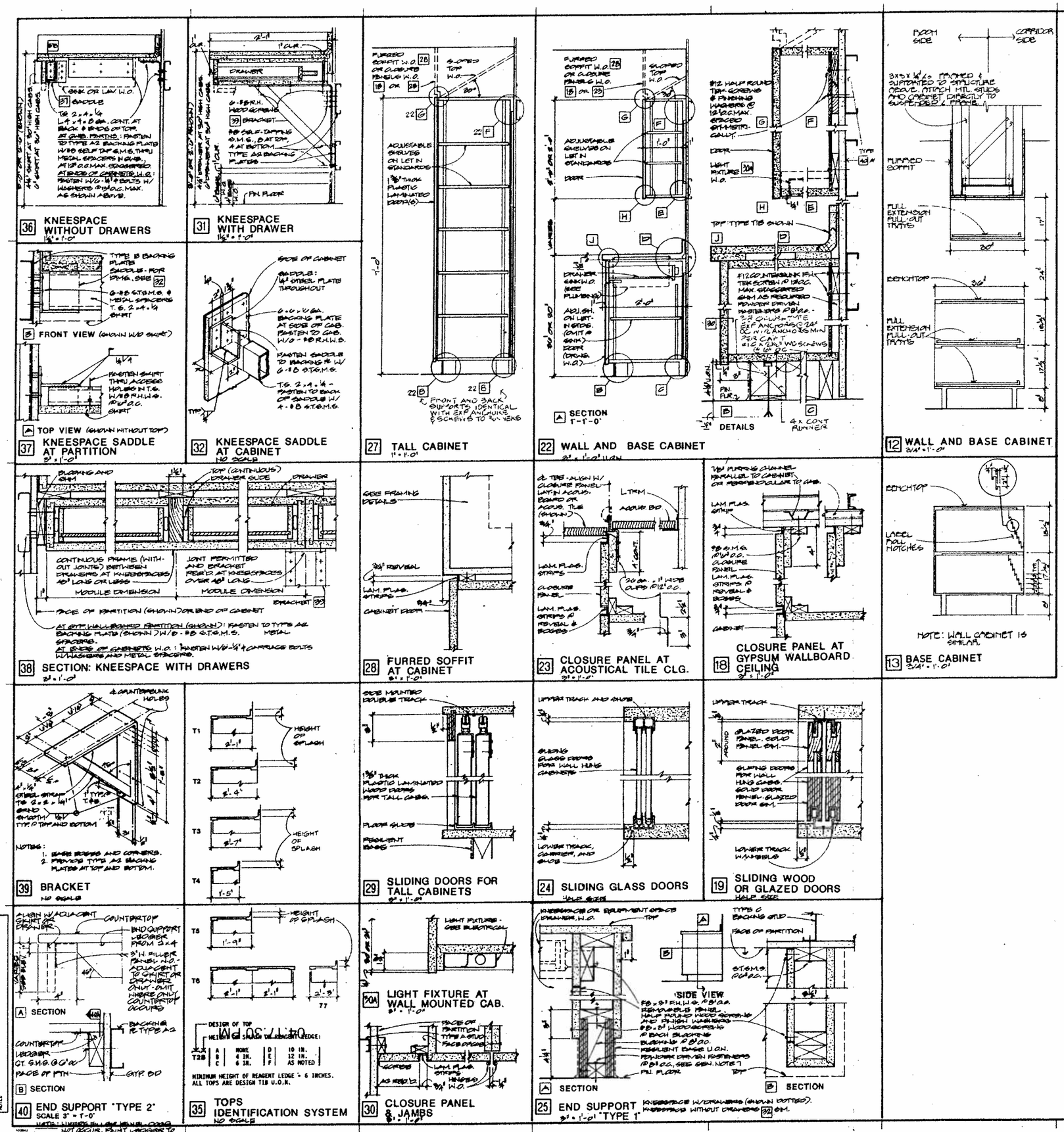

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INTERIOR DETAILS
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FLOOR FINISH

1. EXPOSED CONCRETE - CONCRETE TYPE 1, STEEL TROWELED: SEE SECTION 03300.
2. EXPOSED CONCRETE WITH EXPOXY SEALER - CONCRETE TYPE 3, CLEAR-HARDENED: SEE SECTION 03300
3. EXPOSED CONCRETE WITH HARDENER AND SEALER - CONCRETE TYPE 2, COLOR-HARDENED: SEE SECTION 03300.
4. VINYL COMPOSITION TILE (VCT) - TYPE 1: SEE COLOR SCHEDULE ON SHEET A9.16 FOR COLOR AND MATERIAL.
5. VINYL COMPOSITION TILE (VCT) - TYPE 2 (SPECIAL PATTERN): SEE COLOR SCHEDULE ON SHEET A9.16 FOR COLOR AND MATERIAL.
6. VINYL COMPOSITION TILE (VCT) - TYPE 3 (STATIC RESISTANT): SEE COLOR SCHEDULE ON SHEET A9.16 FOR COLOR AND MATERIAL.
7. RESILIENT SHEET VINYL - TYPE 1: SEE COLOR SCHEDULE ON SHEET A9.16 FOR COLOR AND MATERIAL.
8. RESILIENT SHEET VINYL - TYPE 2 (SLIP RESISTANT): SEE COLOR SCHEDULE ON SHEET A9.16 FOR COLOR AND MATERIAL.
9. CARPET OR CARPET TILE - TYPE 1 (APPLIED DIRECTLY TO SLAB): SEE COLOR SCHEDULE ON SHEET A9.16 FOR COLOR AND MATERIAL.
10. CARPET - TYPE 2 (APPLIED OVER PAD): SEE COLOR SCHEDULE ON SHEET A9.16 FOR COLOR AND MATERIAL.
11. VINYL COMPOSITION TILE (VCT) - TYPE 3 (STATIC RESISTANT) OVER RAISED COMPUTER ACCESS FLOOR (16 INCHES) OVER DEPRESSED FLOOR SLAB (FINISH FLOOR LEVEL TO MATCH ADJOINING SPACES): SEE COLOR SCHEDULE ON SHEET A9.16 FOR COLOR AND MATERIAL.
12. CERAMIC FLOOR TILE - TYPE 1 (THIN-SET): SEE COLOR SCHEDULE ON SHEET A9.16 FOR COLOR AND MATERIAL.
13. CERAMIC FLOOR TILE - TYPE 2 (SETTING BED): SEE COLOR SCHEDULE ON SHEET A9.16 FOR COLOR AND MATERIAL.
14. PRE-FORMED VINYL TREADS AND RISERS OVER CONCRETE-FILLED METAL-PAN STAIRS AND VINYL COMPOSITION TILE (VCT) - TYPE 1 AT LANDINGS: SEE COLOR SCHEDULE ON SHEET A9.16 FOR COLOR AND MATERIAL.
16. FLOOR BY ENVIRONMENTAL ROOM MANUFACTURER (NO FLOOR SLAB DEPRESSION): SEE LABORATORY (LF) DRAWINGS FOR ADDITIONAL INFORMATION.
18. FLOOR BY ENVIRONMENTAL ROOM MANUFACTURER (4 INCH FLOOR SLAB DEPRESSION): SEE LABORATORY (LF) DRAWINGS FOR ADDITIONAL INFORMATION.
17. SAME AS FLOOR FINISH NO.2 EXCEPT SLOPED TO CENTRAL SPILL CONTAINMENT DRAIN (MIN. SLOPE NOT LESS THAN 1/4 INCH PER 12 INCHES).
18. SAME AS FLOOR FINISH NO. 10 EXCEPT WITH QUARRY TILE (THIN-SET) AT INDICATED AREAS: SEE A2 SERIES FLOOR PLANS AND COLOR SCHEDULE ON SHEET A9.16 FOR ADDITIONAL INFORMATION.

BASE FINISH

A. NO BASE.
B. RESILIENT BASE - TYPE 1 (STRAIGHT): SEE COLOR SCHEDULE ON SHEET A9.16 FOR COLOR AND MATERIAL.
C. RESILIENT BASE - TYPE 2 (COVED): SEE COLOR SCHEDULE ON SHEET A9.16 FOR COLOR AND MATERIAL.
D. RESILIENT SHEET VINYL - TYPE 1 (SEAMLESS INTEGRAL COVE WITH RESILIENT SHEET VINYL FLOORING TYPE 1): SEE COLOR SCHEDULE ON SHEET A9.16 FOR COLOR AND MATERIAL.
E. RESILIENT SHEET VINYL - TYPE 2 (SEAMLESS INTEGRAL COVE WITH RESILIENT SHEET VINYL FLOORING TYPE 2): SEE COLOR SCHEDULE ON SHEET A9.16 FOR COLOR AND MATERIAL.
F. GLAZED CERAMIC TILE (STRAIGHT BASE): SEE COLOR SCHEDULE ON SHEET A9.16 FOR COLOR AND MATERIAL.
G. GLAZED CERAMIC TILE (COVED BASE): SEE COLOR SCHEDULE ON SHEET A9.16 FOR COLOR AND MATERIAL.
H. UNGLAZED CERAMIC TILE (STRAIGHT BASE): SEE COLOR SCHEDULE ON SHEET A9.16 FOR COLOR AND MATERIAL.
J. UNGLAZED CERAMIC TILE (COVED BASE): SEE COLOR SCHEDULE ON SHEET A9.16 FOR COLOR AND MATERIAL.
K. WOOD - TYPE 1 (STAINED): SEE COLOR SCHEDULE ON SHEET A9.16 FOR COLOR AND MATERIAL.
L. WOOD - TYPE 2 (DOUBLE SEGMENT - STAINED): SEE DETAIL ON SHEET A8.11 AND COLOR SCHEDULE ON SHEET A9.16.
M. 6 INCH HIGH BY 6 INCH WIDE CONCRETE CURB AROUND PERIMETER OF ROOM FOR SPILL CONTAINMENT: SEE DETAIL 25 ON SHEET A8.36.
N. SAME AS BASE FINISH NO. D EXCEPT PROVIDE A 6 INCH HIGH CONCRETE SPILL CONTAINMENT CURB CONCEALED WITHIN PARTITION: SEE DETAIL 22 ON SHEET A8.36.

WALL FINISH

1. EXPOSED CONCRETE WITH NO PAINT OR APPLIED FINISH - CONCRETE TYPE 1A: SEE SECTION 03300.
2. EXPOSED CONCRETE SEALED AND PAINTED - CONCRETE TYPE 1, LIGHT STEEL-TROWELED: SEE SECTION 03300 AND COLOR SCHEDULE ON SHEET A9.16.
3. CONCRETE MASONRY UNITS (CMU) SEALED AND PAINTED: SEE COLOR SCHEDULE ON SHEET A9.16 FOR COLOR.
4. GYPSUM BOARD PARTITION/FURRING - TYPE 1 (FIRE-TAPED), NO PAINT: SEE SECTION 09260.
5. GYPSUM BOARD PARTITION/FURRING - TYPE 2 (SKIP TROWEL), PAINTED: SEE COLOR SCHEDULE ON SHEET A9.16 FOR COLOR
6. GYPSUM BOARD PARTITION/FURRING - TYPE 3 (SMOOTH SANDED), PAINTED: SEE COLOR SCHEDULE ON SHEET A9.16 FOR COLOR
7. GYPSUM BOARD PARTITION/FURRING - TYPE 4 (EXTRA SMOOTH), PAINTED: SEE COLOR SCHEDULE ON SHEET A9.16 FOR COLOR
8. UNGLAZED CERAMIC TILE (THIN-SET) EXTENDING TO CEILING OVER WATER-RESISTANT GYPSUM BOARD PARTITION/FURRING: SEE COLOR SCHEDULE ON SHEET A9.16 FOR COLOR AND MATERIAL.
9. GLAZED CERAMIC TILE (THIN-SET) EXTENDING TO CEILING OVER WATER-RESISTANT GYPSUM BOARD PARTITION/FURRING: SEE COLOR SCHEDULE ON SHEET A9.16 FOR COLOR AND MATERIAL.
10. WALL FINISH BY ENVIRONMENTAL ROOM MANUFACTURER: SEE LABORATORY (LF) DRAWINGS FOR ADDITIONAL INFORMATION.
11. MULTIPLE FINISHES AT CAFETERIA - SAME AS WALL FINISH NO. 6 AND WALL FINISH NO. 13 WHERE INDICATED BY INTERIOR ELEVATIONS: SEE SHEET A9.10.
12. MULTIPLE FINISHES AT LARGE CONFERENCE ROOM - SAME AS WALL FINISH NO. 6 AND STRETCHED FABRIC WALLCOVERING OVER TACKABLE BASE WHERE INDICATED BY INTERIOR ELEVATIONS: SEE SHEET A9.10.
13. VINYL WALLCOVERING OVER TYPE 3 GYPSUM BOARD PARTITION/FURRING. SEE COLOR SCHEDULE ON SHEET A9.16 FOR COLOR AND MATERIAL.

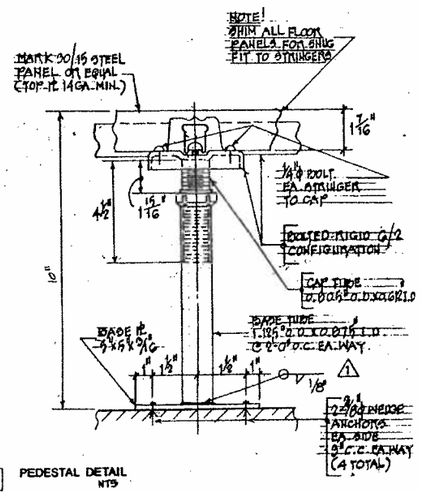
WAINSCOT FINISH

A. NO WAINSCOT.
B. UNGLAZED CERAMIC TILE (THIN-SET) OVER WATER-RESISTANT GYPSUM BOARD PARTITION/FURRING AT JANITOR'S SINK, EXTENT AS INDICATED BY INTERIOR ELEVATIONS: SEE SHEET A9.10.
C. MULTIPLE FINISHES AT CAFETERIA - SAME AS WALL FINISH NO. 11 WITH PAINTED WOOD CHAIR RAIL AS INDICATED ON INTERIOR ELEVATIONS: SEE SHEET A9.10 AND INDICATED DETAILS.
D. STAINED WOOD CHART RAIL (STAIR TO MATCH WOOD BASE): SEE SHEET A9.10 AND INDICATED DETAILS.

CEILING FINISH

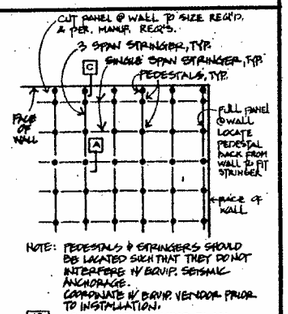
1. NO FINISH CEILING - EXPOSED TO STRUCTURE ABOVE, NO PAINT:
2. NO FINISH CEILING - PAINT EXPOSED STRUCTURE ABOVE: SEE COLOR SCHEDULE ON SHEET A9.16 FOR COLOR
3. NO FINISH CEILING - ACOUSTICAL INSULATION (TYPE C) ON STICK FASTENERS, NO PAINT ON OTHER EXPOSED STRUCTURAL ELEMENTS:
4. ACOUSTIC CEILING TILE/PANELS (ACT) - TYPE 1 (MOIST RATED), 24" X 48" NOMINAL TILE/PANEL SIZE: CEILING GRID SHOWN ON REFLECTED CEILING PLANS MAY REQUIRE NUMEROUS PARTIAL TILES/PANELS.
5. ACOUSTIC CEILING TILE/PANELS (ACT) - TYPE 3 (MYLAR COATED), 24" X 48" NOMINAL TILE/PANEL SIZE: CEILING GRID SHOWN ON REFLECTED CEILING PLANS MAY REQUIRE NUMEROUS PARTIAL TILES/PANELS.
6. ACOUSTIC CEILING TILE/PANELS (ACT) - TYPE 3 (FIRE-RATED), 24" X 48" NOMINAL TILE/PANEL SIZE: CEILING GRID SHOWN ON REFLECTED CEILING PLANS MAY REQUIRE NUMEROUS PARTIAL TILES/PANELS.
7. FINISH CEILING BY ENVIRONMENTAL ROOM MANUFACTURER: SEE LABORATORY (LE) DRAWINGS FOR ADDITIONAL INFORMATION.
8. MULTIPLE FINISHES AT PERSONNEL GALLERY CEILING - PAINTED EXPOSED STRUCTURAL BEAMS, STAINED WOOD GRID FINISH CEILING WITH EXPOSED STRUCTURE ABOVE PAINTED "FLAT BLACK", AND PAINTED GLASS-FIBRE REINFORCED GYPSUM (G.F.R.G.) WITH SMOOTH AND TEXTURED SEGMENTS: SEE REFLECTED CEILING PLANS AND INTERIOR ELEVATIONS.
9. SUSPENDED GYPSUM BOARD CEILING WITH ONE LAYER OF 5/8 INCH GYP. BD. (U.O.N.) - TYPE 3 FINISH (SMOOTH SANDED), PAINTED: SINGLE LAYER OF 5/8 INCH GYPSUM BOARD EXCEPT WHERE ADDITIONAL LAYERS REQUIRED FOR FIRE-RATED DUCT ENCLOSURE. SEE COLOR SCHEDULE ON SHEET A9.16 FOR COLOR
10. ACOUSTICAL CEILING TILE/PANELS (ACT) - TYPE 1 (MOIST RATED), 24" X 24" NOMINAL TILE/PANEL SIZE: SEE COLOR SCHEDULE ON SHEET A9.16 FOR COLOR AND MATERIAL.
11. MULTIPLE FINISHES AT STAIR ENCLOSURE - SAME AS CEILING FINISH NO. 8 AT TOP OF ENCLOSURE AND INDICATED SOFFITS AND WITH PAINTED EXPOSED UNDERSIDE OF METAL STAIR STRUCTURE (TREADS AND LANDINGS): SEE COLOR SCHEDULE ON SHEET A9.16 FOR COLOR
12. MULTIPLE FINISHES AT CAFETERIA - SAME AS CEILING FINISH NO. 6 AND WITH ACOUSTICAL CEILING TILE/PANEL (ACT), TYPE 4 (MOIST RATED), 12" X 12" NOMINAL TILE/PANEL SIZE: SEE REFLECTED CEILING PLANS AND COLOR SCHEDULE.
13. MULTIPLE FINISHES AT CONFERENCE BREAK-OUT - SAME AS CEILING FINISH NO. 8 EXCEPT NO O.F.R.G. VAULT: SEE REFLECTED CEILING PLANS AND COLOR SCHEDULE.
14. SUSPENDED GYPSUM BOARD CEILING WITH TWO LAYERS OF 5/8 INCH GYP. BD. - TYPE 3 FINISH (SMOOTH SANDED), PAINTED - AND ACOUSTICAL INSULATION (TYPE C) ON STICK FASTENERS ABOVE: SOME PORTIONS OF STRUCTURAL BEAMS MAY PROJECT BELOW CEILING LEVEL. PAINT EXPOSED ELEMENTS TO MATCH GYP. BD. CEILING. SEE COLOR SCHEDULE ON SHEET A9.16 FOR COLOR

37 FINISH SCHEDULE



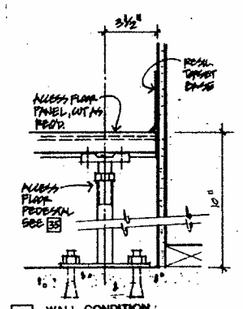
A PEDESTAL DETAIL
NTS

25 ACCESS FLOORING DETAILS



NOTE: PEDESTALS & STRINGERS SHOULD BE LOCATED SUCH THAT THEY DO NOT INTERFERE W/ EQUIP. SEISMIC ANCHORAGE. COORDINATE W/ EQUIP. VENDOR PRIOR TO INSTALLATION.

B SCHEMATIC FRAMING PLAN
1/4"=1'-0"



C WALL CONDITION
3"=1'-0"

SHEET NOTES

1. FINISH CODES FOR EACH SPACE ARE SHOWN ON A2 SERIES FLOOR PLANS. SEE SHEET A0.02 FOR EXPLANATION OF GENERAL CODING SYSTEM.
2. FINISH CODE CONSISTS OF FIVE PARTS:
   FIRST NUMBER = FLOOR FINISH AND MATERIAL
   SECOND LETTER = BASE FINISH AND MATERIAL
   THIRD NUMBER = WALL FINISH AND MATERIAL
   FOURTH LETTER = WAINSCOT FINISH AND MATERIAL
   FIFTH NUMBER = CEILING FINISH AND MATERIAL
3. FINISH SCHEDULE SHOULD BE USED IN CONJUNCTION WITH COLOR SCHEDULE ON SHEET A9.16.

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FINISH SCHEDULE

Project No.		Drawing No.
19210.01	B	A9.15
Date 22 APR 1991	BIDDING	

PROJECT NO. 19210.01

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ROOM	ROOM NAME	FINISH CODE (FOR REFERENCE ONLY)	FLOOR	BASE	WALLS NORTH	WALLS SOUTH	WALLS EAST	WALLS WEST	CEILING	CASEWORK	RUB RAIL GUARDS	SCHEDULE NOTES
G-001	SERVICE CORRIDOR	7D8A2	SMV1	SMV1	PT1	PT1	PT1	PT1	PT1	---	RG1	
G-002	RECEIVING LOBBY	7D8A4	SMV1	SMV1	PT1	PT1	PT1	PT1	ACT1	PL1	RG1	
G-003	VESTIBULE	7D8A4	SMV1	SMV1	PT1	PT1	PT1	PT1	ACT1	---	RG1	
G-004	EXIT CORRIDOR	7D8A4	SMV1	SMV1	PT1	PT1	PT1	PT1	ACT1	---	RG1	
G-005	SERVICE CORRIDOR	7D8A4 - 7D8A2	SMV1	SMV1	PT1	PT1	PT1	PT1	PT1/ACT1	---	RG1	SEE NOTE 12.
G-006	EAST CROSS CORRIDOR	7D8A8	SMV1	SMV1	PT1	PT1	PT1	PT1	ACT1	---	RG1	SEE NOTE 14.
G-007	WEST CROSS CORRIDOR	7D8A2	SMV1	SMV1	PT1	PT1	PT1	PT1	PT1	---	RG1	
G-008	SERVICE CORRIDOR	7D8A4	SMV1	SMV1	PT1	PT1	PT1	PT1	ACT1	---	RG1	
G-009	SERVICE CORRIDOR	7D8A4	SMV1	SMV1	PT1	PT1	PT1	PT1	ACT1	---	RG1	
G-010	ELEVATOR MACHINE ROOM	2A13A1 - 2A4A1	---	---	---	---	---	---	---	---	---	
G-011	ELEVATOR LOBBY	7D8A4	SMV1	SMV1	PT1	PT1	PT1	PT1	ACT1	---	---	
G-100	PLUMBING EQUIPMENT	2C5A14	---	RCB1	PT1	PT1	PT1	PT1	PT1	---	---	SEE NOTE 13.
G-101	AIR HANDLING	2A4A3	---	---	---	---	---	---	---	---	---	
G-102	ELECTRICAL SWITCHGEAR	2A5A3	---	---	---	---	---	---	---	---	---	
G-103	BOILERS	2C5A14	---	RCB1	PT1	PT1	PT1	PT1	PT1	---	---	SEE NOTE 13.
G-104	MECH. DUCT GALLERY	3A4A3	---	---	---	---	---	---	---	---	---	
G-201	WATER TREATMENT	2C5A2 - 2C5A8	---	RCB1	PT1	PT1	PT1	PT1	PT1	---	---	
G-202	BUILDING ENGINEER	11C8A4	VCT2	RCB1	PT1	PT1	PT1	PT1	ACT1	---	---	
G-203	FUTURE DIST. PROC.	11C8A2	VCT2	RCB1	PT1	PT1	PT1	PT1	PT1	---	---	
G-204	PHONE/DATA EQUIPMENT	11C8A4	VCT2	RCB2	PT1	PT1	PT1	PT1	ACT1	---	---	
G-205	SECURE TELECOM STORAGE	8C8A4	VCT2	RCB2	PT1	PT1	PT1	PT1	ACT1	---	---	
G-206	UMS OFFICE	11C8A4	VCT2	RCB2	PT1	PT1	PT1	PT1	ACT1	---	---	
G-207	STORAGE	11C8A4	VCT2	RCB2	PT1	PT1	PT1	PT1	ACT1	---	---	
G-208	OFFICE	11C8A4	VCT2	RCB2	PT1	PT1	PT1	PT1	ACT1	---	---	
G-209	OFFICE	11C8A4	VCT2	RCB2	PT1	PT1	PT1	PT1	ACT1	---	---	
G-210	COLD ROOM	15A10A7	---	---	---	---	---	---	---	---	---	SEE NOTE 2.
G-211	MEDIA LAB	7D8A4	SMV1	SMV1	TPC1	TPC1	TPC1	TPC1	ACT1	NOTE 18	---	
G-212	GLASSWARE	7D8A8	SMV1	SMV1	TPC1	TPC1	TPC1	TPC1	PT1	NOTE 18	---	
G-213	OFFICE	4C8A4	VCT1	RCB2	TPC1	TPC1	TPC1	TPC1	ACT1	---	---	
G-214	COLD ROOM	15A10A7	---	---	---	---	---	---	---	---	---	SEE NOTE 2.
G-215	POUR-OFF	7D8A4	SMV1	SMV1	TPC1	TPC1	TPC1	TPC1	ACT1	NOTE 18	RG1	
G-216	SEPARATION	7D8A4	SMV1	SMV1	TPC1	TPC1	TPC1	TPC1	ACT1	NOTE 18	RG1	
G-217	OUTSIDE VENDOR LAB	7D8A4	SMV1	SMV1	TPC1	TPC1	TPC1	TPC1	ACT1	NOTE 18	---	
G-218	OFFICE	7D8A4	SMV1	SMV1	TPC1	TPC1	TPC1	TPC1	ACT1	---	---	
G-300	SOLUTIONS/SMALL MIXING	7M8A4 - 7M3A4	SMV1	SMV1	TPC1	TPC1	TPC1	TPC1	ACT1	NOTE 18	---	
G-301	OFFICE	4C8A4	VCT1	RCB2	TPC1	TPC1	TPC1	TPC1	ACT1	---	---	
G-302	DRY STORAGE	7M8A4	SMV1	SMV1	TPC1	TPC1	TPC1	TPC1	ACT1	---	---	
G-303	SOLUTIONS/LARGE MIXING	7M8A4 - 7M3A4	SMV1	SMV1	TPC1	TPC1	TPC1	TPC1	ACT1	NOTE 18	---	
G-304	OFFICE	4C8A4 - 4C3A4	VCT1	RCB2	PT1	PT1	PT1	PT1	ACT1	---	---	
G-305	MATERIAL MGMT STOREROOM	2C3A2 - 2C4A2	---	RCB2	PT1	PT1	PT1	PT1	PT1	PL1	RG1/RG2	
G-306	SPECIAL HOLDING	2C3A2 - 2C5A2	---	RCB2	PT1	PT1	PT1	PT1	PT1	---	---	
G-307	ELEVATOR MACHINE ROOM	2A13A1 - 2A4A1	---	---	---	---	---	---	---	---	---	
G-400	ELECTRON MICROSCOPE LAB	7D8A4	SMV1	SMV1	PT1	PT1	PT1	PT1	ACT1	NOTE 18	---	
G-401	ELECTRON MICROSCOPE	7D8A4	SMV1	SMV1	PT1	PT1	PT1	PT1	ACT1	NOTE 18	---	
G-402	LOCKED STORAGE	4C8A4	VCT1	RCB2	PT1	PT1	PT1	PT1	ACT1	---	---	
G-403	OFFICE	4C8A4	VCT1	RCB2	PT1	PT1	PT1	PT1	ACT1	---	---	
G-404	NOT USED											
G-405	HOUSEKEEPING	7D8A4	VCT1	RCB2	PT1	PT1	PT1	PT1	ACT1	---	RG1	
G-406	LAB COAT	7D8A4	VCT1	RCB2	PT1	PT1	PT1	PT1	ACT1	---	---	
G-407	WOMEN	13J8A4	CT1	CTC1	PT1	PT1	PT1	PT1	ACT1	---	---	
	TOILET	13J8A4	CT1	CTC1	CT1/CT3	CT1/CT3	CT1/CT3	CT1/CT3	ACT1	PL4	---	SEE NOTE 11
	SHOWER	13J8A8	CT1	CTC1	CT1/CT3	CT1/CT3	CT1/CT3	CT1/CT3	PT1	---	---	SEE NOTE 11.
G-408	MEN	13J8A4	CT1	CTC1	PT1	PT1	PT1	PT1	ACT1	---	---	
	TOILET	13J8A4	CT1	CTC1	CT1/CT2	CT1/CT2	CT1/CT2	CT1/CT2	ACT1	PL4	---	SEE NOTE 11
	SHOWER	13J8A8	CT1	CTC1	CT1/CT2	CT1/CT2	CT1/CT2	CT1/CT2	PT1	---	---	SEE NOTE 11.
G-409	DARK ROOM	7D8A4	SMV1	SMV1	PT1	PT1	PT1	PT1	ACT1	NOTE 18	---	
G-410	SEWAGE EJECTOR	2A4A1	---	---	---	---	---	---	---	---	---	
S-1	STAIR NO. 1	14C8A11	ST1/VCT1	ST1	PT1	PT1	PT1	PT1	PT1	---	---	SEE NOTES 3 & 4
S-2	STAIR NO. 2	14C8A11	ST1/VCT1	ST1	PT1	PT1	PT1	PT1	PT1	---	---	SEE NOTES 3 & 4
S-3	STAIR NO. 3	14C8A11	ST1/VCT1	ST1	PT1	PT1	PT1	PT1	PT1	---	---	SEE NOTES 3 & 4
S-4	STAIR NO. 4	14C8A11	ST1/VCT1	ST1	PT1	PT1	PT1	PT1	PT1	---	---	SEE NOTES 3 & 4
P1	PASSENGER ELEVATOR		CPT1	CPT1	PL3	PL3	PL3	PL3	---	---	---	SEE NOTE 9.
S1	SERVICE ELEVATOR		SMV1	SMV1	---	---	---	---	---	---	---	SEE NOTE 8.
S2	SERVICE ELEVATOR		SMV1	SMV1	---	---	---	---	---	---	---	SEE NOTE 8.

ROOM	ROOM NAME	FINISH CODE (FOR REFERENCE ONLY)	FLOOR	BASE	WALLS NORTH	WALLS SOUTH	WALLS EAST	WALLS WEST	CEILING	CASEWORK	RUB RAIL GUARDS	SCHEDULE NOTES
1-001	PIPE CHASE CLOSET	2A4A1	---	---	---	---	---	---	---	---	---	
1-002	WEST CROSS CORRIDOR	4C8A4	VCT1	RCB2	PT1	PT1	PT1	PT1	ACT1	---	RG1	
1-003	SERVICE GALLERY	7C8A2	SMV1	RCB2	PT1	PT1/PT2	PT1	PT1	PT1/PT2	---	RG1	SEE NOTE 3.
1-004	CONDENSER	7D8A4	SMV1	SMV1	PT1	PT1	PT1	PT1	ACT1	---	---	
1-005	ELECTRICAL	8C8A2	VCT2	RCB2	PT1	PT1	PT1	PT1	PT1	---	---	
1-006	TELECOM	8C8A2	VCT2	RCB2	PT1	PT1	PT1	PT1	PT1	---	---	
1-007	TELECOM	8C8A4	VCT2	RCB2	PT1	PT1	PT1	PT1	ACT1	---	---	
1-008	SERVICE GALLERY B	7C8A2	SMV1	RCB2	PT1	PT1/PT2	PT1	PT1	PT1/PT2	---	RG1	SEE NOTE 3.
1-009	STORAGE	7D8A4	SMV1	SMV1	PT1	PT1	PT1	PT1	ACT1	---	---	
1-010	JANITOR	7D8B2	SMV1	SMV1	CT1/PT1	PT1	CT1/PT1	PT1	PT1	---	---	
1-011	EAST CROSS CORRIDOR	4C8A8	VCT1	RCB2	PT1	PT1	PT1	PT1	ACT1	---	RG1	SEE NOTE 14.
1-012	PERSONNEL CORRIDOR	18L8A8	CPT1/QT1	WB1	NOTE 17	PT1	PT1/CMP2	PT1/CMP2	NOTE 6	---	---	SEE NOTE 7.
1-013	LOBBY/RECEPTION	18L8A8	CPT1/QT1	WB1	NOTE 17	NOTE 17	PT1/CMP2	NOTE 17	NOTE 6	---	---	SEE NOTE 7.
1-014	PERSONNEL CORRIDOR	18L8A8	CPT1/QT1	WB1	NOTE 17	PT1	PT1/CMP2	PT1/CMP2	NOTE 6	---	---	SEE NOTE 7.
1-015	LOUNGE	10L8A8	CPT1	WB1	PT1	PT1	PT1	PT1	PT1	---	---	
1-016	PERSONNEL CORRIDOR	18L8A8	CPT1/QT1	WB1	NOTE 17	PT1	PT1/CMP2	PT1/CMP2	NOTE 6	---	---	SEE NOTE 7
1-017	BREAK-OUT	18L8A8	CPT1/QT1	WB1	PT1/CMP2	PT1	PT1	NOTE 17	NOTE 6	---	---	SEE NOTE 7.
1-018	SERVICE ELEVATOR LOBBY	7C8A4	SMV1	RCB2	PT1	PT1	PT1	PT1	ACT1	---	RG1	
1-019	ELEVATOR VESTIBULE	7C8A4	SMV1	RCB2	PT1	PT1	PT1	PT1	ACT1	---	---	
1-100	SEROLOGY LAB	7D8A4	SMV1	SMV1	TPC1	TPC1	TPC1	TPC1	ACT1	NOTE 18	RG1	SEE NOTE 15.
1-101	COLD ROOM	15A10A7	---	---	---	---	---	---	---	---	---	SEE NOTE 2.
1-102	OFFICE	7D8A4	SMV1	SMV1	TPC1	TPC1	TPC1	TPC1	ACT1	---	---	
1-103	OFFICE	4C8A4	VCT1	RCB2	TPC1	TPC1	TPC1	TPC1	ACT1	---	---	
1-104	SHARED COLD ROOM	15A10A7	---	---	---	---	---	---	---	---	---	SEE NOTE 2.
1-105	SPECIAL SEROLOGY	7D8A5	SMV1	SMV1	TPC1	TPC1	TPC1	TPC1	ACT2	NOTE 18	RG1	
1-106	FMA ROOM	7D8A4	SMV1	SMV1	TPC1	TPC1	TPC1	TPC1	ACT1	NOTE 18	---	
1-107	CUBICLES	7D8A4	SMV1	SMV1	TPC1	TPC1	TPC1	TPC1	ACT1	---	---	SEE NOTE 16.
1-200	BACTERIOLOGY LAB	7D8A4	SMV1	SMV1	TPC1	TPC1	TPC1	TPC1	ACT1	NOTE 18	RG1	SEE NOTE 15.
1-201	MICROBACTERIOLOGY	7D8A5	SMV1	SMV1	TPC1	TPC1	TPC1	TPC1	ACT2	NOTE 18	RG1	
1-202	TB INCUBATORS	7D8A5	SMV1	SMV1	TPC1	TPC1	TPC1	TPC1	ACT2	NOTE 18	RG1	SEE NOTE 16.
1-203	EQUIPMENT ROOM	7D8A4	SMV1	SMV1	TPC1	TPC1	TPC1	TPC1	ACT1	NOTE 18	---	SEE NOTE 16.
1-204	OFFICE	7D8A4	SMV1	SMV1	TPC1	TPC1	TPC1	TPC1	ACT1	NOTE 18	---	
1-205	OFFICE	4C8A4	VCT1	RCB2	TPC1	TPC1	TPC1	TPC1	ACT1	---	---	
1-206	OFFICE	4C8A4	VCT1	RCB2	TPC1	TPC1	TPC1	TPC1	ACT1	---	---	
1-207	ANAEROBIC	7D8A5	SMV1	SMV1	TPC1	TPC1	TPC1	TPC1	ACT2	NOTE 18	RG1	
1-208	MYCOLOGY	7D8A5	SMV1	SMV1	TPC1	TPC1	TPC1	TPC1	ACT2	NOTE 18	---	
1-209	PARASITOLOGY	7D8A5	SMV1	SMV1	TPC1	TPC1	TPC1	TPC1	ACT2	NOTE 18	---	
1-210	BLOOD CULTURE	7D8A4	SMV1	SMV1	TPC1	TPC1	TPC1	TPC1	ACT1	NOTE 18	RG1	
1-211	SPECIMAN DISPOSAL	7D8A5	SMV1	SMV1	PT1	PT1	PT1	PT1	ACT2	PL5	---	
1-212	FMA ROOM	7D8A4	SMV1	SMV1	PT1	PT1	PT1	PT1	ACT1	NOTE 18	---	
1-213	STORAGE	7D8A4	SMV1	SMV1	TPC1	TPC1	TPC1	TPC1	ACT1	---	---	
1-214	EQUIPMENT ALCOVE	7D8A4	SMV1	SMV1	TPC1	TPC1	TPC1	TPC1	ACT1	NOTE 18	RG1	SEE NOTE 16.
1-215	CUBICLES	7D8A4	SMV1	SMV1	TPC1	TPC1	TPC1	TPC1	ACT1	---	---	SEE NOTE 16.
1-216	CUBICLES	7D8A4	SMV1	SMV1	TPC1	TPC1	TPC1	TPC1	ACT1	---	---	SEE NOTE 16.
1-217	CUBICLE	7D8A4	SMV1	SMV1	TPC1	TPC1	TPC1	TPC1	ACT1	---	---	SEE NOTE 16.
1-300	VIROLOGY LAB	7D8A4	SMV1	SMV1	TPC1	TPC1	TPC1	TPC1	ACT1	NOTE 18	RG1	SEE NOTE 15.
1-301	COLD ROOM	15A10A7	---	---	---	---	---	---	---	---	---	SEE NOTE 2.
1-302	VIROLOGY STORAGE	7D8A4	SMV1	SMV1	PT1	PT1	PT1	PT1	ACT1	---	---	
1-303	OFFICE	4C8A4	VCT1	RCB2	TPC1	TPC1	TPC1	TPC1	ACT1	---	---	
1-304	FMA ROOM	7D8A4	SMV1	SMV1	TPC1	TPC1	TPC1	TPC1	ACT1	NOTE 18	---	
1-305	DNA PROBE	7D8A5	SMV1	SMV1	TPC1	TPC1	TPC1	TPC1	ACT2	NOTE 18	---	
1-306	DETECTION	7D8A4	SMV1	SMV1	TPC1	TPC1	TPC1	TPC1	ACT1	NOTE 18	---	
1-307	DARK ROOM	7D8A8	SMV1	SMV1	PT1	PT1	PT1	PT1	PT1	NOTE 18	---	
1-308	DNA PROBE	7D8A5	SMV1	SMV1	TPC1	TPC1	TPC1	TPC1	ACT2	NOTE 18	---	
1-309	VIROLOGY EQUIPMENT ROOM	7D8A4	SMV1	SMV1	TPC1	TPC1	TPC1	TPC1	ACT1	NOTE 18	---	
1-310	CETRIFUGE ROOM	7D8A4	SMV1	SMV1	TPC1	TPC1	TPC1	TPC1	ACT1	NOTE 18	---	
1-311	QUALITY CONTROL	7D8A5	SMV1	SMV1	TPC1	TPC1	TPC1	TPC1	ACT2	NOTE 18	---	
1-312	CUBICLES	7D8A4	SMV1	SMV1	TPC1	TPC1	TPC1	TPC1	ACT1	---	---	SEE NOTE 16.
1-400	SMALL CONFERENCE	9C8A4	CPT1	RCB1	PT1	PT1	PT1	PT1	ACT1	---	---	
1-401	LIBRARY	9C8A4	CPT1	RCB1	PT1	PT1	PT1	PT1	ACT1	---	---	
1-402	MEN	13J8A4	CT1	CT1	CT1/CT2	CT1/CT2	CT1/CT2	CT1/CT2	ACT1	PL4	---	SEE NOTE 11.
1-403	WOMEN	13J8A4	CT1	CT1	CT1/CT3	CT1/CT3	CT1/CT3	CT1/CT3	ACT1	PL4	---	SEE NOTE 11.
1-404	PASSENGER LOBBY	10L8A9	CPT1	WB1	PT1	PT1	PT1	PT1	PT1	---	---	
1-500	SECURITY OFFICE	4C8A4	VCT1	RCB2	PT1	PT1	PT1	PT1	ACT1	PL6	---	
1-501	LARGE CONFERENCE	9L12D10	CPT1	WB1	PT1	PT1	FWC1	FWC1	ACT4	---	---	SEE NOTE 10.
1-502	PANTRY	4C8A4	VCT1	RCB2	PT1	PT1	PT1	PT1	ACT1	PL2	---	SEE NOTE 1.
1-503	CAFETERIA	9C1C12	CPT2	WB1	PT1	VWC1/PT1	VWC1/PT1	PT1	ACT5/PT1	---	---	
1-504	VENDING	7C1A5	SMV2	RCB1	VWC1	VWC1	VWC1	VWC1	ACT2	PL2	---	SEE NOTE 1
1-505	JANITOR	7D6A2	SMV2	SMV2	PT1	PT1	PT1	PT1	PT1/PT2	---	---	SEE NOTE 5
1-506	CORRIDOR	7C6A4	SMV2	SMV2	PT1	PT1	PT1	PT1	ACT1	---	---	

ROOM	ROOM NAME	FINISH CODE (FOR REFERENCE ONLY)	FLOOR	BASE	WALLS NORTH	WALLS SOUTH	WALLS EAST	WALLS WEST	CEILING	CASEWORK	RUB RAIL GUARDS	SCHEDULE NOTES
2-001	PIPE CHASE CLOSET	2A4A1	---	---	---	---	---	---	---	---	---	
2-002	WEST CROSS CORRIDOR	4C8A4	VCT1	RCB2	PT1	PT1	PT1	PT1	ACT1	---	RG1	
2-003	SERVICE GALLERY	7C8A2	SMV1	RCB2	PT1	PT1/PT2	PT1	PT1	PT1/PT2	---	RG1	SEE NOTE 3.
2-004	CONDENSER	7D8A4	SMV1	SMV1	PT1	PT1	PT1	PT1	ACT1	---	---	
2-005	TELECOM	8C8A2	VCT2	RCB2	PT1	PT1	PT1	PT1	PT1	---	---	
2-006	ELECTRICAL	8C8A2	VCT2	RCB2	PT1	PT1	PT1	PT1	PT1	---	---	
2-007	TELECOM	8C8A4	VCT2	RCB2	PT1	PT1	PT1	PT1	ACT1	---	---	
2-008	SERVICE GALLERY B	7C8A2	SMV1	RCB2	PT1	PT1/PT2	PT1	PT1	PT1/PT2	---	RG1	SEE NOTE 3.
2-009	STORAGE	7D8A4	SMV1	SMV1	PT1	PT1	PT1	PT1	ACT1	---	---	
2-010	JANITOR	7D8B2	SMV1	SMV1	CT1/PT1	PT1	CT1/PT1	PT1	PT1	---	---	
2-011	EAST CROSS CORRIDOR	4C8A8	VCT1	RCB2	PT1	PT1	PT1	PT1	ACT1	---	RG1	SEE NOTE 14.
2-012	PERSONNEL CORRIDOR	18L8A8	CPT1	WB1	NOTE 17	PT1	PT1/CMP2	PT1/CMP2	NOTE 6	---	---	
2-013	PERSONNEL CORRIDOR	18L8A8	CPT1	WB1	NOTE 17	PT1	PT1/CMP2	PT1/CMP2	NOTE 6	---	---	
2-014	LOUNGE	10L8A8	CPT1	WB1	PT1	PT1	PT1	PT1	PT1	---	---	
2-015	PERSONNEL CORRIDOR	18L8A8	CPT1	WB1	NOTE 17	PT1	PT1/CMP2	PT1/CMP2	NOTE 6	---	---	
2-016	ADMINISTRATION LOBBY	10L8A4	CPT1	WB1	PT1	PT1	PT1	PT1	ACT1	---	---	
2-017	SERVICE ELEVATOR LOBBY	7C8A4	SMV1	RCB2	PT1	PT1	PT1	PT1	ACT1	---	RG1	
2-018	ELEVATOR VESTIBULE	7C8A4	SMV1	RCB2	PT1	PT1	PT1	PT1	ACT1	---	---	
										NOTE 18		
2-100	CHEMISTRY	7D8A4	SMV1	SMV1	TPC1	TPC1	TPC1	TPC1	ACT1		RG1	SEE NOTE 15.
2-101	CHEMISTRY STORAGE	7D8A4	SMV1	SMV1	PT1	PT1	PT1	PT1	ACT1	---	---	
2-102	SPECIMAN DISPOSAL	7D8A4	SMV1	SMV1	PT1	PT1	PT1	PT1	ACT1	---	---	
2-103	COLD ROOM	15A10A7	---	---	---	---	---	---	---	---	---	SEE NOTE 2.
2-104	COLD ROOM (REAGENTS)	15A10A7	---	---	---	---	---	---	---	---	---	SEE NOTE 2.
2-105	OFFICE	4C8A4	VCT1	RCB2	TPC1	TPC1	TPC1	TPC1	ACT1	---	---	
2-106	SORTING	7D8A4	SMV1	SMV1	TPC1	TPC1	TPC1	TPC1	ACT1	NOTE 18	---	
2-107	CUBICLES	7D8A4	SMV1	SMV1	TPC1	TPC1	TPC1	TPC1	ACT1	---	---	SEE NOTE 16.
2-108	CUBICLES	7D8A4	SMV1	SMV1	TPC1	TPC1	TPC1	TPC1	ACT1	---	---	SEE NOTE 16.
2-200	SPECIAL CHEMISTRY LAB	7D8A4	SMV1	SMV1	TPC1	TPC1	TPC1	TPC1	ACT1	NOTE 18	RG1	SEE NOTE 15.
2-201	OFFICE	7D8A5	SMV1	SMV1	TPC1	TPC1	TPC1	TPC1	ACT2	NOTE 18	---	
2-202	COLD ROOM	15A10A7	---	---	---	---	---	---	---	---	---	SEE NOTE 2
2-203	COLD ROOM	15A10A7	---	---	---	---	---	---	---	---	---	SEE NOTE 2
2-204	LIBRARY	4C8A4	VCT1	RCB2	TPC1	TPC1	TPC1	TPC1	ACT1	---	---	
2-205	OFFICE	4C8A4	VCT1	RCB2	TPC1	TPC1	TPC1	TPC1	ACT1	---	---	
2-206	OFFICE	4C8A4	VCT1	RCB2	TPC1	TPC1	TPC1	TPC1	ACT1	---	---	
2-207	OFFICE	4C8A4	VCT1	RCB2	TPC1	TPC1	TPC1	TPC1	ACT1	---	---	
2-208	EQUIPMENT	7D8A4	SMV1	SMV1	PT1	PT1	PT1	PT1	ACT1	NOTE 18	---	
2-209	SPEC. CHEMISTRY STORAGE	7D8A4	SMV1	SMV1	PT1	PT1	PT1	PT1	ACT1	---	---	
2-210	SPECIMAN DISPOSAL	7D8A4	SMV1	SMV1	PT1	PT1	PT1	PT1	ACT1	---	---	
2-211	CUBICLES	7D8A4	SMV1	SMV1	TPC1	TPC1	TPC1	TPC1	ACT1	---	---	SEE NOTE 16.
2-212	CUBICLES	7D8A4	SMV1	SMV1	TPC1	TPC1	TPC1	TPC1	ACT1	---	---	SEE NOTE 16.
2-300	HISTOPATHOLOGY LAB	7D8A4	SMV1	SMV1	TPC1	TPC1	TPC1	TPC1	ACT1	NOTE 18	RG1	SEE NOTE 15.
2-301	STORAGE	7D8A4	SMV1	SMV1	PT1	PT1	PT1	PT1	ACT1	---	---	
2-302	LIBRARY	4C8A4	VCT1	RCB2	TPC1	TPC1	TPC1	TPC1	ACT1	---	---	
2-303	OFFICE	4C8A4	VCT1	RCB2	TPC1	TPC1	TPC1	TPC1	ACT1	---	---	
2-304	OFFICE	4C8A4	VCT1	RCB2	TPC1	TPC1	TPC1	TPC1	ACT1	---	---	
2-305	SOLVENT STORAGE	7M8A8	SMV1	SMV1	PT1	PT1	PT1	PT1	PT1	NOTE 18	---	
2-306	PROCESSOR ROOM	7D8A4	SMV1	SMV1	PT1	PT1	PT1	PT1	PT1	NOTE 18	---	
2-307	CUBICLES	7D8A4	SMV1	SMV1	TPC1	TPC1	TPC1	TPC1	ACT1	---	---	SEE NOTE 16.
2-400	OFFICE	4C8A4	VCT1	RCB2	PT1	PT1	PT1	PT1	ACT1	---	---	
2-401	SORTING	4C8A4	VCT1	RCB2	PT1	PT1	PT1	PT1	ACT1	---	---	
2-402	CALLING ROOM	4C8A4	VCT1	RCB2	PT1	PT1	PT1	PT1	ACT1	---	---	
2-403	COPY ROOM	4C8A4	VCT1	RCB2	PT1	PT1	PT1	PT1	ACT1	---	---	
2-404	MEN	13J8A4	CT1	CT1	CT1/CT2	CT1/CT2	CT1/CT2	CT1/CT2	ACT1	PL4	---	SEE NOTE 11.
2-405	WOMEN	13J8A4	CT1	CT1	CT1/CT3	CT1/CT3	CT1/CT3	CT1/CT3	ACT1	PL4	---	SEE NOTE 11.
2-406	PASSENGER LOBBY	10L8A8	CPT1	WB1	PT1	PT1	PT1	PT1	PT1	---	---	
2-500	CLERICAL SUPPORT	9C8A4	CPT1	RCB1	PT1	PT1	PT1	PT1	ACT1	---	---	
2-501	OFFICE	9C8A4	CPT1	RCB1	PT1	PT1	PT1	PT1	ACT1	---	---	
2-502	OFFICE	9C8A4	CPT1	RCB1	PT1	PT1	PT1	PT1	ACT1	---	---	
2-503	OPEN OFFICE	9C8A10	CPT1	RCB1	PT1	PT1	PT1	PT1	ACT4	---	---	
2-504	CONFERENCE	9C8A10	CPT1	RCB1	PT1	PT1	PT1	PT1	ACT4	---	---	
2-505	DIRECTOR'S OFFICE	9C8A10	CPT1	RCB1	PT1	PT1	PT1	PT1	ACT4	---	---	
2-506	OFFICE	9C8A10	CPT1	RCB1	PT1	PT1	PT1	PT1	ACT4	---	---	
2-507	RECEPTION	9C8A10	CPT1	RCB1	PT1	PT1	PT1	PT1	ACT4	---	---	
2-508	MANAGER'S OFFICE	9C8A10	CPT1	RCB1	PT1	PT1	PT1	PT1	ACT4	---	---	
2-509	OFFICE	9C8A10	CPT1	RCB1	PT1	PT1	PT1	PT1	ACT4	---	---	
2-510	OFFICE	9C8A10	CPT1	RCB1	PT1	PT1	PT1	PT1	ACT4	---	---	
2-511	STORAGE	4C8A4	VCT1	RCB2	PT1	PT1	PT1	PT1	ACT1	---	---	
2-512	CORRIDOR	9C8A4	CPT1	RCB1	PT1	PT1	PT1	PT1	ACT1	---	---	
2-513	COPY ROOM	9C8A10	CPT1	RCB1	PT1	PT1	PT1	PT1	ACT4	---	---	
2-308	PROCESSOR	7N6A9	SMV1	SMV1	PT1	PT1	PT1	PT1	PT1	NOTE 18	---	
2-309	PROCESSOR	7N6A9	SMV1	SMV1	PT1	PT1	PT1	PT1	PT1	NOTE 18	---	

39 COLOR SCHEDULE

WB1	WOOD BASE	STAIN TO MATCH ARCHITECT'S SAMPLE	06400
QT1	QUARRY TILE	EMSER TERRA PAVER, COLOR TP-11	09300
CTC1	CERAMIC TILE BASE	DAL-TILE 6" X 12" MOKB-6B, DK-37A WHITE GRANITE BUILT-UP BASE	09300
CT1	CERAMIC TILE	DAL-TILE 2" X 2" DK-37A WHITE GRANITE	09300
CT2	CERAMIC TILE	DAL-TILE 2" X 2" DK-3192) DEEP SEA	09300
CT3	CERAMIC TILE	DAL-TILE 2" X 2" DK-381(1) BAHAMA	09300
ACT1	ACOUSTIC CEILING TILE	CELOTEX, CASHMERE, WHITE - SIZE OR CUT AS REQ'D TO ACHIEVE INDICATED PATTERN	09500
ACT2	ACOUSTIC CEILING TILE	ARMSTRONG MYLAR FIREGUARD 882, 884, WHITE	09500
ACT3	ACOUSTIC CEILING TILE	NOT USED	09500
ACT4	ACOUSTIC CEILING TILE	CELOTEX, CASHMERE, WHITE - 24" X 24"	09500

04:17:14PM

ACT5	ACOUSTIC CEILING TILE - CONCEALED SPLINE	ARMSTONG SANSERRA, TRAVERTONE, 12" X 12" SQUARE EDGE, #571	09500
VCT1	VINYL COMPOSITION TILE	TARKETT BASICS ARCHITECTURAL THRU-CHIP 3582	09650
VCT2	VINYL COMPOSITION TILE	VPI CONDUCTILE CON2 WHITE	09650
RCB1	RESILIENT BASE	KENCOVE VINYL WALL BASE, CADET BLUE KC-226	09650
RCB2	RESILIENT BASE	VPI VINYL WALL BASE, SERIES 300, #328 FIELD STONE	09650
SMV1	SEAMLESS SHEET VINYL	ARMSTRONG MEDINTECK 86413 BLUE/GRAY	09650
SMV2	SEAMLESS SHEET VINYL	ARMSTONG CLASSIC CORLON SUFFIELD 88808 LAPIS	09650
ST1	STAIR TREADS	JOHNSONITE VINYL STAIR TREADS, COLOR CB56, GREY WITH CONTRASTING STRIPE AS REQ'D BY CODE	09650
CPT1	CARPET	MOHAWK ROCKPORT RKT/807 DAYFLOWER	09680

CPT2	CARPET TILES	MILLIKEN TEXTURE VISIONS #3814 MEGALOOP #67 WILD INDIGO/LOOP	09680
CPT3	CARPET TILES	MILLIKEN CORPORATE SQUARE NOVA P/3888 EVERBOND #304 BLUE	09680
TPC1	TEXTURED PLASTIC COATING	CORONADO PAINT CO. TOLL-O-FECT TO MATCH ZOLATONE 43-1484406	09836
PT1	PAINT	PRATT & LAMBERT #2280 SILVER LINING	09900
PT2	PAINT	PRATT & LAMBERT #1781 PORTUNATA	09900
PT3	PAINT	PRATT & LAMBERT #1014 CHELSEA PRIZE	09900
PT4	PAINT	"FLAT BLACK" TO BE SELECTED BY ARCHITECT	09900
PT5	PAINT	TO BE SELECTED BY ARCHITECT	09900
VWC1	VINYL WALL COVERING	LAMARK CHIPSTONE TYPE II GRANITE #46761	09950
FWC1	FABRIC WALL COVERING	KNOLL TEXTILES, PANAMA #W7B/3, ROSE STRETCHED OVER TACKABLE SURFACE	---
TP1	TOILET PARTITIONS	ACCURATE PARTITIONS INC., BAKED ENAMEL, COLOR #827 TWILIGHT	10155

RG1	GUARDS AND RAILS	ACROVYN #933 MISSION WHITE PEBBLETTE TEXTURE	10260
RG2	CORNER GUARD	PAINTED METAL ANGLE EMBEDDED IN CONCRETE - PT2	---
PL1	PLASTIC LAMINATE	WILSONART, D329-6 BISQUE	12300
PL2	PLASTIC LAMINATE	WILSONART, D318-6 SHADOW BLUE	12300
PL3	PLASTIC LAMINATE	FORMICA, #915 GLOW	12300
PL4	PLASTIC LAMINATE	WILSONART, 4580-15 GREY MILLSTONE, MATTE	12300
PL5	PLASTIC LAMINATE	(ACID-RESISTANT) WILSONART CHEM-SURF, 4580-13 GREY MILLSTONE, MATTE	12300
PL6	PLASTIC LAMINATE	(FRONT DESK/SECURITY COUNTER) TO BE SELECTED BY ARCHITECT	12300
LT1	LABORATORY TOP	NEVAMAR FOUNTAINHEAD FM-6-2 GRAY MIST MATRIX	12345

40 COLOR SCHEDULE LEGEND

GENERAL FINISH NOTES

1. ALL PLASTIC LAMINATE SURFACES TO BE "PL1" UNLESS OTHERWISE NOTED.
2. ALL RUB RAILS, BUMPER RAILS, AND CORNER GUARDS TO BE "RG1" UNLESS OTHERWISE NOTED.
3. EXCEPT IN ROOMS WITH ARCHITECTURAL FINISH CODES INDICATING "NO FINISH" OR "NO PAINT", ALL EXPOSED SURFACES TO BE "PT1" UNLESS OTHERWISE NOTED.
4. ALL COLUMNS IN LABORATORY AREA TO RECEIVE "TPC1" UNLESS OTHERWISE NOTED.
5. ALL 2 INCH FACE DIM. HOLLOW METAL FRAMES (WINDOW AND DOOR) TO BE PAINTED "PT1". ALL 3 INCH FACE DIMENSION HOLLOW METAL FRAMES (WINDOW, DOOR, AND HORIZONTAL TRIM) TO BE PAINTED "PT5"
6. ALL HOLLOW METAL DOORS AND ALL PAINTED WOOD DOORS TO RECEIVE "PT1". ALL STAINED WOOD DOORS, IF ANY, TO MATCH "WB1".
7. ALL DIFFUSERS, FIRE EXTINGUISHER CABINETS, ETC., WHICH ARE TO BE PAINTED, ARE TO BE COLOR OF ADJACENT SURFACES.

SCHEDULE NOTES

1. PLASTIC LAMINATE ON ARCHITECTURAL CASEWORK TO BE "PL2" - SEE INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION REGARDING CASEWORK.
2. ALL SURFACES OF ENVIRONMENTAL ROOM BY MANUFACTURER. FOR ADDITIONAL INFORMATION, SEE LABORATORY FURNISHINGS (LF) DRAWINGS.
3. STAIR HANDRAILS TO BE "PT3". ALL OTHER EXPOSED METAL SURFACES TO BE "PT1".
4. EXPOSED UNDERSIDE OF STAIR TREADS TO BE "PT1". GYPSUM BOARD CEILINGS AND SOFFITS (WHERE OCCUR) TO BE PAINTED "PT1".
5. EXPOSED STRUCTURAL ELEMENTS (COLUMNS, BEAMS, CROSS-BRACES, ETC.) TO BE PAINTED "PT2". GYPSUM BOARD CEILINGS, PARTITIONS, AND DUCT ENCLOSURES AND EXPOSED UNDERSIDE OF METAL DECK TO BE PAINTED "PT1".
6. PORTION OF CEILING (SEE REFLECTED CEILING PLANS) TO BE "FORMS AND SURFACES CS150/160 WHITE FIR UNFINISHED," STAINED TO MATCH ARCHITECT'S SAMPLE WITH ALL SURFACES (INCLUDING PIPES, DUCTS, ETC.) BEYOND PAINTED "PT4" (FLAT BLACK).

   NOTE: IT IS THE INTENT OF THE DESIGN THAT THE WOOD CEILING SYSTEM STAIN MATCH THE APPEARANCE OF THE WOOD BASE ("WB1") AND WOOD GUARDRAIL CAP (SEE SHEET A8.10)

   NOTE: IT IS THE INTENT OF THE DESIGN THAT SURFACES BEYOND THE WOOD CEILING GRID NOT BE VISIBLE
7. SEE SHEETS A2.03 AND A2.04 FOR EXTENT OF QUARRY TILE ON FLOOR.
8. WALLS AND CEILING OF SERVICE ELEVATORS TO BE STAINLESS STEEL. FOR ADDITIONAL INFORMATION, SEE ELEVATOR SPECIFICATION.
9. CEILING OF PASSENGER ELEVATOR TO BE STAINLESS STEEL. FOR ADDITIONAL INFORMATION, SEE ELEVATOR SPECIFICATION.
10. PLASTIC LAMINATE ON ARCHITECTURAL CASEWORK TO BE "PL3" - SEE INTERIOR ELEVATIONS FOR ADDITIONAL INFORMATION REGARDING CASEWORK.
11. ACCENT BAND - "CT2" OR "CT3" AS APPLICABLE - TO BE APPROXIMATELY 8 INCHES HIGH CENTERED APPROXIMATELY 4'-6" A.F.F. (DO NOT CUT TILE TO ACHIEVE APPROXIMATE DIMENSIONS). ACCENT BAND IS CONTINUOUS ACROSS EXTENT OF CERAMIC TILE WALL SURFACE.
12. SEE REFLECTED CEILING PLANS FOR EXTENT OF PAINTED GYPSUM BOARD CEILING AND ACT CEILING.
13. PORTIONS OF STRUCTURAL BEAMS MAY PROJECT BELOW LEVEL OF PAINTED GYPSUM BOARD CEILING. PAINT EXPOSED STRUCTURAL ELEMENTS "PT1."
14. HORIZONTAL ONE-HOUR FIRE-RATED GYPSUM BOARD AND METAL STUD DUCT ENCLOSURE OCCURS ABOVE FINISH CEILING - SEE PARTIAL BUILDING SECTIONS AND REFLECTED CEILING PLANS.
15. GYPSUM BOARD SOFFIT ON LINE "8" TO BE "PT1."
16. GYPSUM BOARD SOFFIT ON LINES "C", "E", "F", "H", "J", AND "L" (WHERE OCCURS - SEE REFLECTED CEILING PLANS) TO BE "TPC1".
17. PAINT ALL EXPOSED STRUCTURAL ELEMENTS (COLUMNS, BEAMS, CROSS-BRACES, ETC.) "PT2". SEE SHEET A5.05 FOR ALUMINUM WINDOW WALL FINISHES.
18. LABORATORY BENCHWORK FINISHES TO BE:

    LAB TOPS:

    "LT1" WHERE INDICATED BY "LE" DRAWINGS (EXPOXY TOPS).

    "PL5" WHERE INDICATED BY "LE" DRAWINGS (ACID-RESISTANT PLASTIC LAMINATE).

    STAINLESS STEEL WHERE INDICATED BY "LE" DRAWINGS.

    CASEWORK:

    PLASTIC LAMINATE "PL1" UNLESS OTHERWISE NOTED.

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Revisions

No.		Date
1	BULLETIN NO. 1	

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Southern California Region

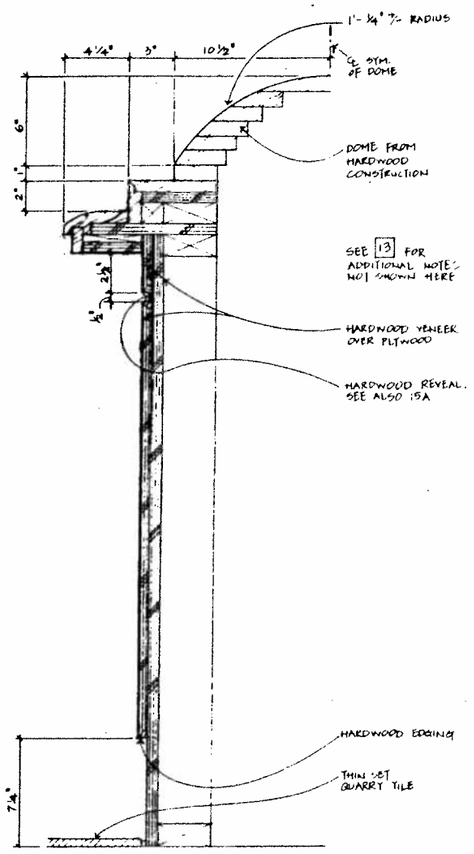
COLOR SCHEDULE

Project No. 19210.01
Date 22 APR 1991
B1 BULLETIN
Drawing No. A9.16

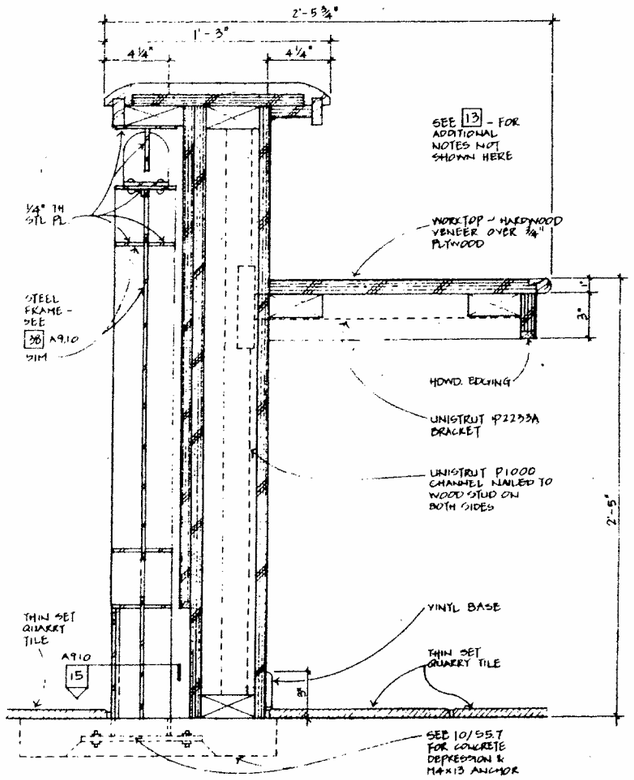
19210.01
PAGE TITLE
NOTES

NOTES REGARDING FINISH
1. HARDWOOD & WOOD VENEER FINISH TO MATCH WOOD CEILING GRID AND WOOD BASE.
2. GRIND ALL WELDS SMOOTH, CLEAN AND DRESS ALL CONNECTIONS.
3. ALL METAL SURFACES TO BE PAINTED

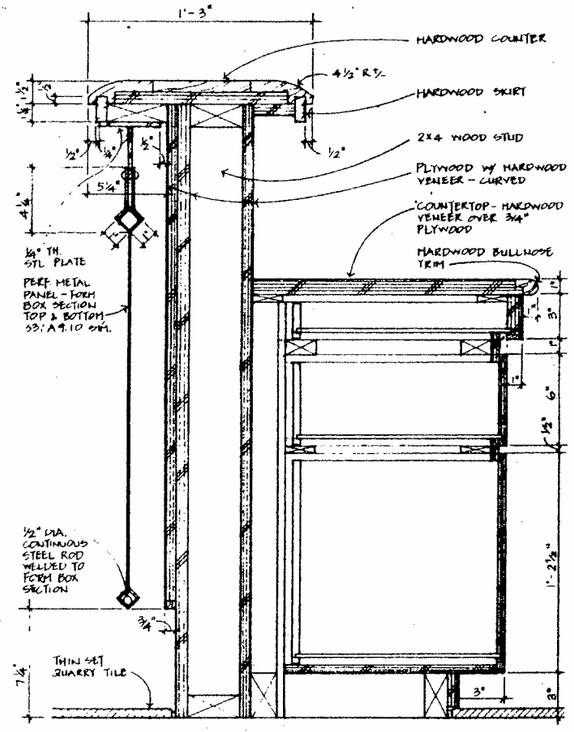
FOR ADDITIONAL NOTES NOT SHOWN HERE, SEE A9.10.



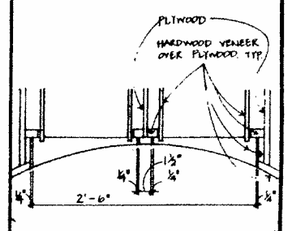
38 SECTION THROUGH DOME
3"=1'-0"



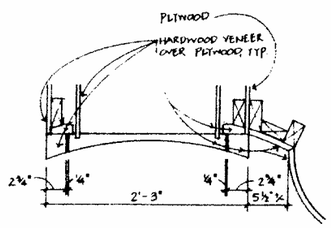
28 SECTION THROUGH COUNTER
3"=1'-0"



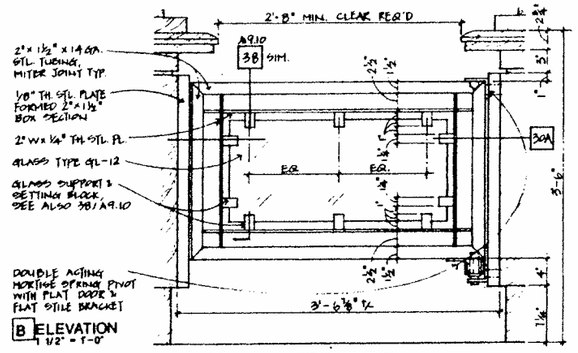
13 SECTION THROUGH FILE CABINET
3"=1'-0"



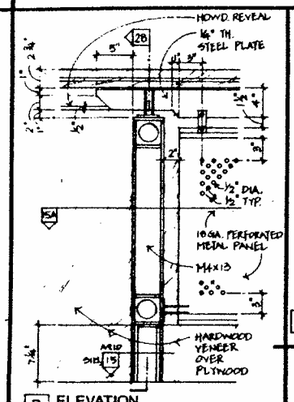
39 DRAWERS PLAN
1 1/2"=1'-0"



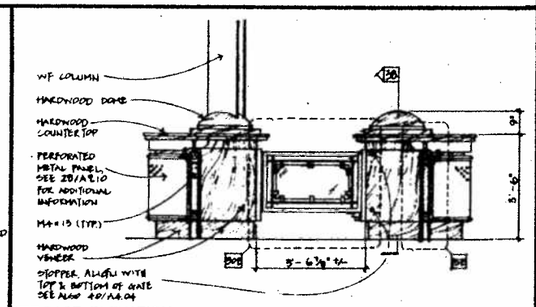
34 FILE CABINET PLAN
1 1/2"=1'-0"



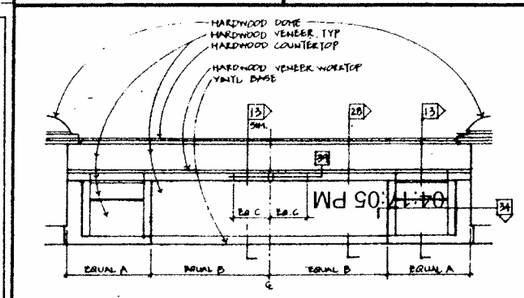
B ELEVATION
1 1/2"=1'-0"



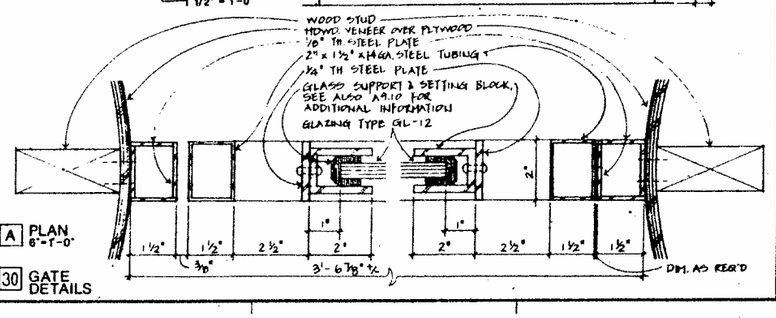
B ELEVATION
1 1/2"=1'-0"



9 EAST ELEVATION
1/2"=1'-0"

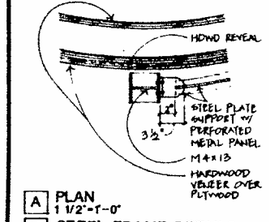


40 UNFOLDED ELEVATION
1/2"=1'-0"



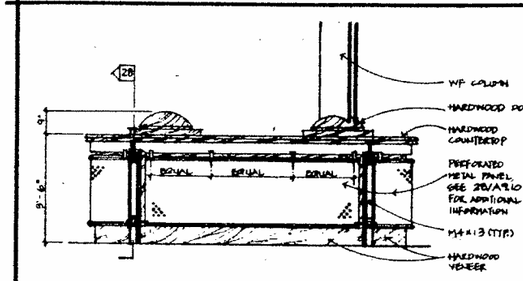
A PLAN
6"=1'-0"

30 GATE DETAILS



A PLAN
1 1/2"=1'-0"

15 STEEL FRAME DETAILS



10 WEST ELEVATION
1/2"=1'-0"

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Revisions
No. | Date

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Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

INTERIOR DETAILS-
FRONT DESK

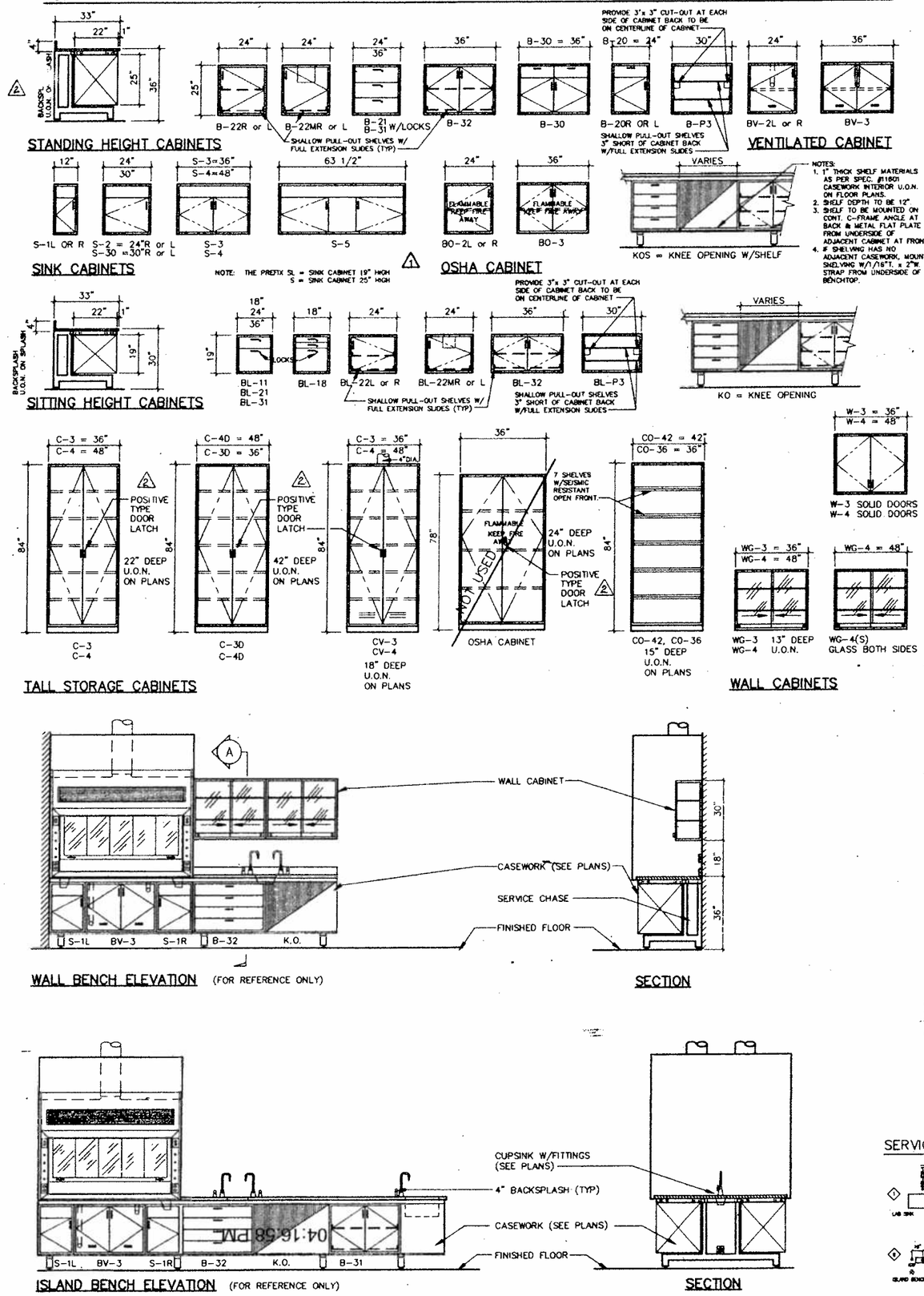
Project No. 19210.01
Date
B 1 BULLETIN
Drawing No. A9.17

19210.01
NO. | DATE | TITLE | NOTES

000689

CASEWORK

SCALE: 1/2" = 1'-0"



LAB FURNISHINGS LEGEND

1	UMBILICAL	37 LF2.01
2	ADJ. WALL SHELVES	33 LF2.01
3	ADJ. ISLAND BENCH SHELVES	23 LF2.01
4	DRYING RACK	8 LF2.01
5	CYLINDER STRAP	24 LF2.01
6	SNORKEL	40 LF2.01
7	BENCH TOP SLEEVE	25 LF2.01
8	OVERHEAD SERVICE CARRIER	36 LF2.02

TOP MATERIAL

(E) NEVAMAR TOP
(P) PLASTIC LAMINATE
(S) STAINLESS STEEL
(W) WOOD

SYMBOLS

CUPSINK
EPOXY SINK
STAINLESS STEEL SINK
HORIZONTAL SASH
VERTICAL SASH
LENGTH IN FEET
HOOD TYPE (CHEMICAL)
O.F.O.I. EQUIPMENT
UMBILICAL
SNORKEL

SINK SCHEDULE

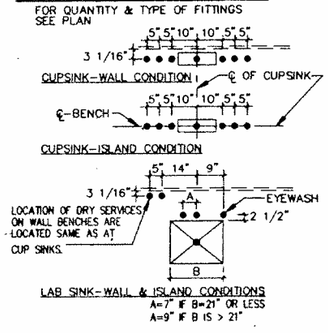
SK-1	15"x18"x11"D	EPOXY RESIN-DBL. BOWL
SK-2	28"x15"x12"D	EPOXY RESIN
SK-3	21"x17"x10"D	EPOXY RESIN
SK-4	24 1/2"x 18 7/16"x 16 3/4"D.	EPOXY RESIN
SK-5	16"x28"x12"D	STAINLESS STEEL
SK-6	33"x19"x12"D	EPOXY RESIN
SK-7	16"x22"x10 1/2" D	STAINLESS STEEL

LAB FURNISHINGS ABBREVIATIONS

B —— BASE CABINETS
BL —— SITTING HEIGHT CABINETS
BO —— OSHA FLAMMABLE STORAGE BASE CABINET
BV —— VENTED BASE CABINETS
C —— TALL STORAGE CABINETS W/SOLID HINGED DOORS
KOS —— KNEE OPENING W/SHELF
KO —— KNEE OPENING
L —— LEFT HAND HINGED
R —— RIGHT HAND HINGED
S —— SINK CABINET
SK —— SINK
WG —— WALL CABINET W/ SLIDING GLASS DOORS

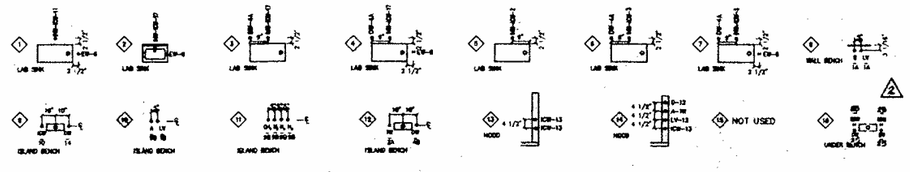
LAB FITTING GROUP SPACING

FOR QUANTITY & TYPE OF FITTINGS SEE PLAN



LAB SINK-WALL & ISLAND CONDITIONS
A=7" IF B=21" OR LESS
A=9" IF B IS > 21"

SERVICE FITTING SCHEDULE



GENERAL NOTES

1. LAB. FURNISHINGS DIVISION 11 CONTRACTOR SHALL CAREFULLY EXAMINE THE LABORATORY FURNISHINGS DRAWINGS AND SPECIFICATIONS AND ALL OTHER DRAWINGS AND SPECIFICATIONS TO PROPERLY DETERMINE CONTRACTUAL RESPONSIBILITIES.
2. FOR ACTUAL ROOM DIMENSIONS REFER TO ARCHITECTURAL PLANS.
3. LAB FURNISHINGS CONTRACTOR SHALL FIELD-CHECK ALL DIMENSIONS BEFORE FABRICATION.
4. FOR LOCATION OF OVERHEAD SERVICE CARRIERS, SNORKELS, AND ANY OTHER FURNISHINGS THAT PENETRATE CEILING SEE ARCHITECTURAL REFLECTED CEILING PLANS. UMBILICAL CEILING PENETRATIONS ARE SHOWN APPROXIMATELY ON ARCHITECTURAL REFLECTED CEILING PLANS. EXACT LOCATIONS AS PER LAB FURNISHINGS PLANS.
5. LOCATION OF EQUIPMENT, SUCH AS ISLAND BENCH SHELF SUPPORTS, OVERHEAD SERVICE CARRIERS, UMBILICAL ENCLOSURES, FUME HOODS, BRACES, OR ANY OTHER ITEMS THAT MAY INTERFERE WITH LIGHTING, STRUCTURAL, OR MECHANICAL SYSTEMS, SHALL BE CAREFULLY COORDINATED AND DISCREPANCIES BROUGHT TO OWNERS REPRESENTATIVE ATTENTION IMMEDIATELY.
6. ANY TYPE OF UNISTRUT, SLOTTED STANDARD FRAME, WALL SHELVING OR REAGENT SHELVING SUPPORTS USED (FOR RACKS, SHELVING, ETC.) SHALL BE SPACED AND POSITIONED TO CLEAR FITTINGS, ELECTRICAL PEDESTALS, SINKS AND CUPSINKS.
7. OVERALL LENGTH OF TOPS SHALL BE DETERMINED BY CASEWORK AND DIMENSIONS AS INDICATED ON PLANS. SUCH LENGTHS SHALL REMAIN CONSTANT REGARDLESS OF SUCCESSFUL BIDDER'S STANDARDS. TOPS SHALL OVERHANG 1/2" AT EACH END AND 1" FROM FRONT OF BASE CABINET OR HORIZONTAL RAIL. WHEN OVERALL DIMENSIONS ARE GIVEN, 1/2" OVERHANG IS NOT INCLUDED.
8. OVERALL HEIGHT OF BASE CABINET TOPS MUST BE MAINTAINED AS SHOWN ON DRAWINGS (NOMINAL HEIGHT).
9. INSTALLATION OF CASEWORK SHALL BEGIN AT THE HIGH POINT OF THE ROOM WITH THE LEVELERS SCREWED IN AS FAR AS POSSIBLE.
10. COUNTERTOPS AND SPLASHES SHALL BE SCRIBED TO MATCH IRREGULARITIES AND CONTOURS OF WALLS.
11. ALL EXPOSED-TO-VIEW COUNTERTOP EDGES, BACKS OF SPLASHES, ALL EDGES OF TABLES, BACKS, OF COUNTERTOPS AND SPLASHES HELD AWAY FROM WALL SHALL BE FILLED, SEALED, AND FINISHED.
12. FILLER PANELS SHALL BE USED BETWEEN BACK OF CABINETS OR HOODS AND WALLS AT EXPOSED ENDS AND WHEN BASE CABINETS AND/OR HOODS ARE SET BACK-TO-BACK. FILLER SHALL OCCUR EVEN WHERE NO BASE CABINET OCCURS BUT BENCH IS PRESENT.
13. ALL CASEWORK,FUME HOODS AND ANY OTHER FURNISHINGS WITH EXPOSED-TO-VIEW BACKS AND SIDES SHALL BE FINISHED.
14. ALL WALL BENCH TOPS SHALL BE 2'-9" DEEP INCLUDING BACKSPLASH, U.O.N & ISLAND OR PENINSULA BENCHES 5'-6" WIDE UNLESS OTHERWISE NOTED ON DRAWINGS.
15. UNLESS OTHERWISE NOTED, ALL UNISTRUT BRACKETS AND FITTINGS INDICATED ON LABORATORY FURNISHINGS DRAWINGS SHALL BE SUPPLIED, INSTALLED, AND PAINTED BY LAB FURNISHINGS DIVISION 11 CONTRACTOR.
16. FOR PLUMBING SERVICE FITTING TYPES, LOCATION AND ORDER, SEE LABORATORY FURNISHINGS FLOOR PLANS & DETAILS. THESE FITTINGS SHALL BE SUPPLIED AND INSTALLED BY LAB FURNISHINGS CONTRACTOR FOR FINAL CONNECTION BY PLUMBING CONTRACTOR.
17. ALL PLUMBING SYSTEM HANGERS AND FASTENERS SHALL BE PROVIDED AND INSTALLED BY PLUMBING CONTRACTOR.
18. ALL LABORATORY SINKS AND CUPSINKS SHALL BE FURNISHED AND INSTALLED BY LAB FURNISHINGS CONTRACTOR.
19. LAB FURNISHINGS CONTRACTOR SHALL FURNISH AND DELIVER TO THE ELECTRICAL CONTRACTOR ALL BENCH MOUNTED ELECTRICAL PEDESTALS FOR INSTALLATION BY ELECTRICAL CONTRACTOR. SEE LABORATORY ELECTRICAL DRAWINGS AND LAB FURNISHINGS DRAWINGS FOR QUANTITY, TYPE AND LOCATION OF PEDISTALS. LOCATION OF PEDISTALS SHALL BE COORDINATED WITH PLUMBING SERVICE FITTINGS.
20. FOR FUME HOOD PRE-PLUMBING AND PRE-WIRING, SEE LAB FURNISHINGS PLANS AND DETAILS. HOWEVER, FOR NUMBERS AND TYPES OF ELECTRICAL DEVICES SEE LAB POWER PLANS.
21. ALL EXPOSED PIPING & CONDUIT SHALL BE PAINTED. SEE FINISH SCHEDULE FOR COLOR SELECTION.
22. ALL PENETRATIONS THROUGH COUNTERTOP SHALL BE CAULKED BY LAB FURNISHINGS CONTRACTOR WITH ACID-RESISTANT SEALANT.
23. "E" ITEMS NOTED ON PLANS REFER TO EQUIPMENT ITEMS SPECIFIED UNDER SPECIFICATION SECTION 11600.
24. OWNERS REPRESENTATIVE SHALL SELECT COLORS FOR ALL COMPONENTS OF PROJECT INDICATED ON THESE DRAWINGS. COLOR SELECTION SHALL BE FROM NON STANDARD COLORS.
25. TOP MATERIAL SHALL BE 1" THICK UNLESS OTHERWISE NOTED.
26. NO LEGS SHALL OCCUR IN THE KNEE OPENINGS.
27. AT ALL U.C. REFRIGERATORS AND U.C. FREEZER LOCATIONS PROVIDE A LEG ON BOTH SIDES OF UNIT AND MAKE THE FOLLOWING ADJUSTMENTS BETWEEN THE LEGS.
    A.) REMOVE FRONT RAIL.
    B.) MOVE BACK RAIL TO 24 3/4" FROM FACE OF FRONT RAIL.
    C.) MOVE THE SUPPORT ANGLE TO BACK OF LEG POST.

ABBREVIATIONS

&	AND	MECH.	MECHANICAL
@	AT	MFR.	MANUFACTURER
ADJ.	ADJUSTABLE	MIN.	MINIMUM
ALUM.	ALUMINUM	MOD.	MODIFIED
A.F.F.	ABOVE FINISHED FLOOR	MTD.	MOUNTED
BLDG.	BUILDING	NO.	NUMBER
B.S.C.	BIOLOGICAL SAFETY CABINET	N.T.S.	NOT TO SCALE
CAB.	CABINET	N.I.C.	NOT IN CONTRACT
C.F.C.I.	CONTRACTOR FURNISHED CONTRACTOR INSTALLED	NOM.	NOMINAL
℄	CENTERLINE	O.C.	ON CENTER
CLG.	CEILING	O.D.	OUTSIDE DIMENSIONS
COL.	COLUMN	O.F.C.I.	OWNER FURNISHED, CONTRACTOR INSTALLED
CONT.	CONTINUOUS (UATION)	O.F.O.I.	OWNER FURNISHED, OWNER INSTALLED
CONTR.	CONTRACTOR		
CTR.	COUNTER	O.H.	OVERHEAD
DTL.	DETAIL	OPNG.	OPENING
DIM.	DIMENSION	OPP.	OPPOSITE
DIV.	DIVISION	P.O.C.	POINT OF CONNECTION
DWG.	DRAWING	PREP.	PREPARATION
E.C.	ELECTRICAL CONTRACTOR	P.L.	PLASTIC LAMINATE
EL./ELEV.	ELEVATION	REF.	REFRIGERATOR
ELECT.	ELECTRICAL	REQ'D	REQUIRED
EQ.	EQUAL	RM.	ROOM
EQUIP.	EQUIPMENT	SCHED.	SCHEDULE
EXT.	EXTENSION	SECT.	SECTION
FD.	FLOOR DRAIN	SIM.	SIMILAR
F.F./FIN. FLR.	FINISHED FLOOR	S.M.S.	SHEET METAL SCREWS
F. E.	FIRE EXTINGUISHER	SPEC.	SPECIFICATION
FIN.	FINISH	STL.	STEEL
FL./FLR.	FLOOR	S.S.	STAINLESS STEEL
F.S.	FLOOR SINK	SUSP.	SUSPENDED
GA.	GAUGE	STD.	STANDARD
G.C.	GENERAL CONTRACTOR	S.D.	STORM DRAIN
HT./HGT.	HEIGHT	TEL.	TELEPHONE
I.D.	INSIDE DIMENSION	TEMP.	TEMPERATURE
J.B.	JUNCTION BOX	TYP.	TYPICAL
K.O.	KNEE OPENING (KNEE SPACE W/ OR W/O DRAWER-SEE KNEE OPENING DETAIL ABOVE)	U.C.	UNDERCOUNTER
		U.O.N.	UNLESS OTHERWISE NOTED
LAM.	LAMINAR		
L.F.C.	LAB FURNISHINGS CONTRACTOR	VERT.	VERTICAL
LT./LGT.	LIGHT	V.T.R.	VENT THROUGH ROOF
LTG.	LIGHTING	W/ OR W/	WITH
MACH.	MACHINE	WD.	WOOD
MAX.	MAXIMUM	W/L	WITH LOCKS
M.C.	MECHANICAL CONTRACTOR	W/O	WITHOUT

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Laboratory Electrical Engineer

REGISTERED PROFESSIONAL ENGINEER
DANIEL E. KINCE
No. 12814
ELECTRICAL
STATE OF CALIFORNIA

Revisions

No.		Date
1	ADDENDUM NO. 1	5-15-91
2	ADDENDUM No. 2	7-1-91

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood - Los Angeles, California

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Kaiser Permanente Medical Care Program
Southern California Region

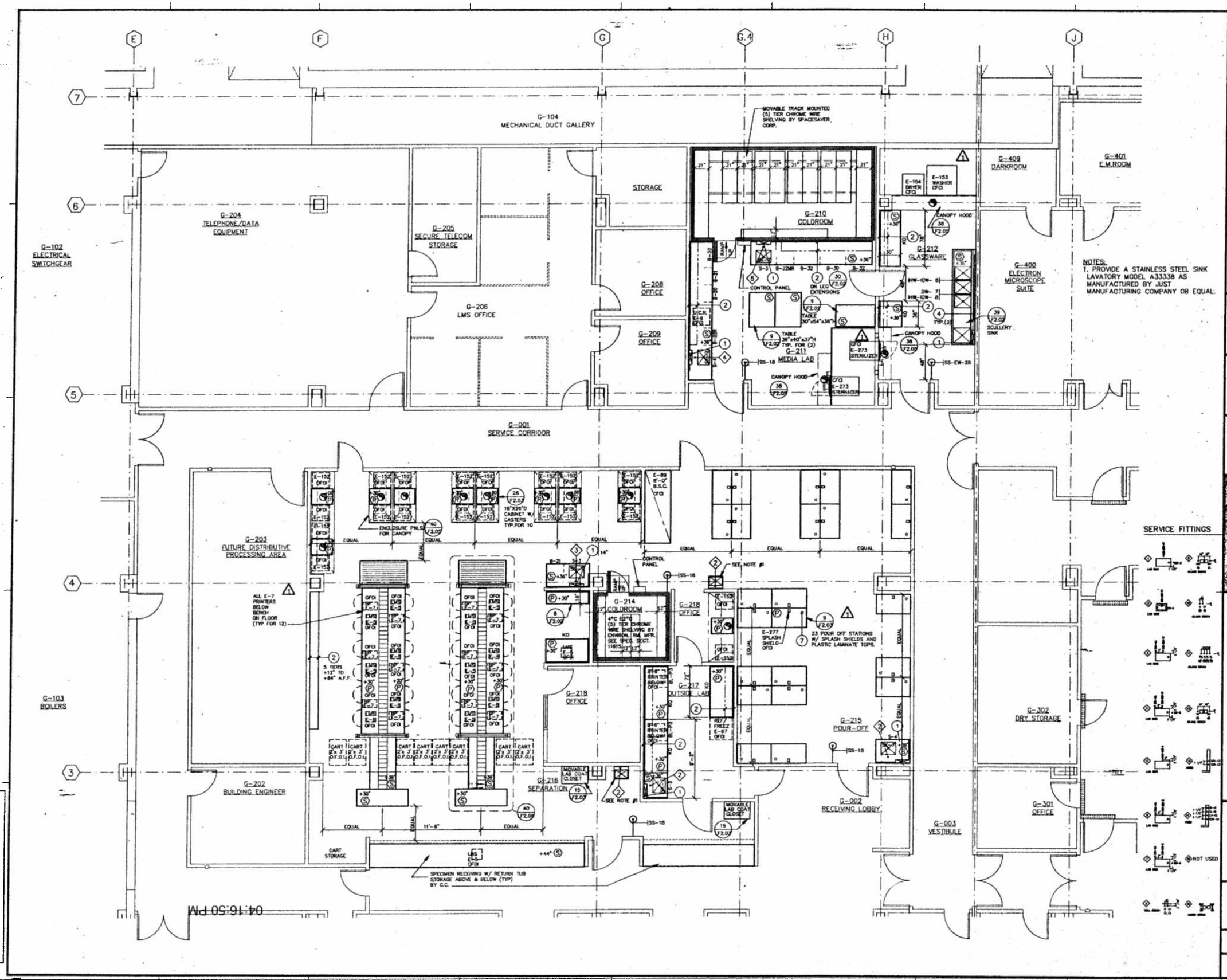
LAB FURNISHINGS KEY SHEET

Project No. 19210.01
Date
Drawing No. LF0.01

PROJECT NO. 19210.01
TITLE
DWG. TITLE
NOTES

DRAWING: C:\MITE\8954F00 DATE: 8/7/1991

000690



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Revisions

No.		Date
1	ADDENDUM NO. 1	5-15-91

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Kaiser Permanente Medical Care Program
Southern California Region

LAB FURNISHINGS
GROUND FLOOR WEST

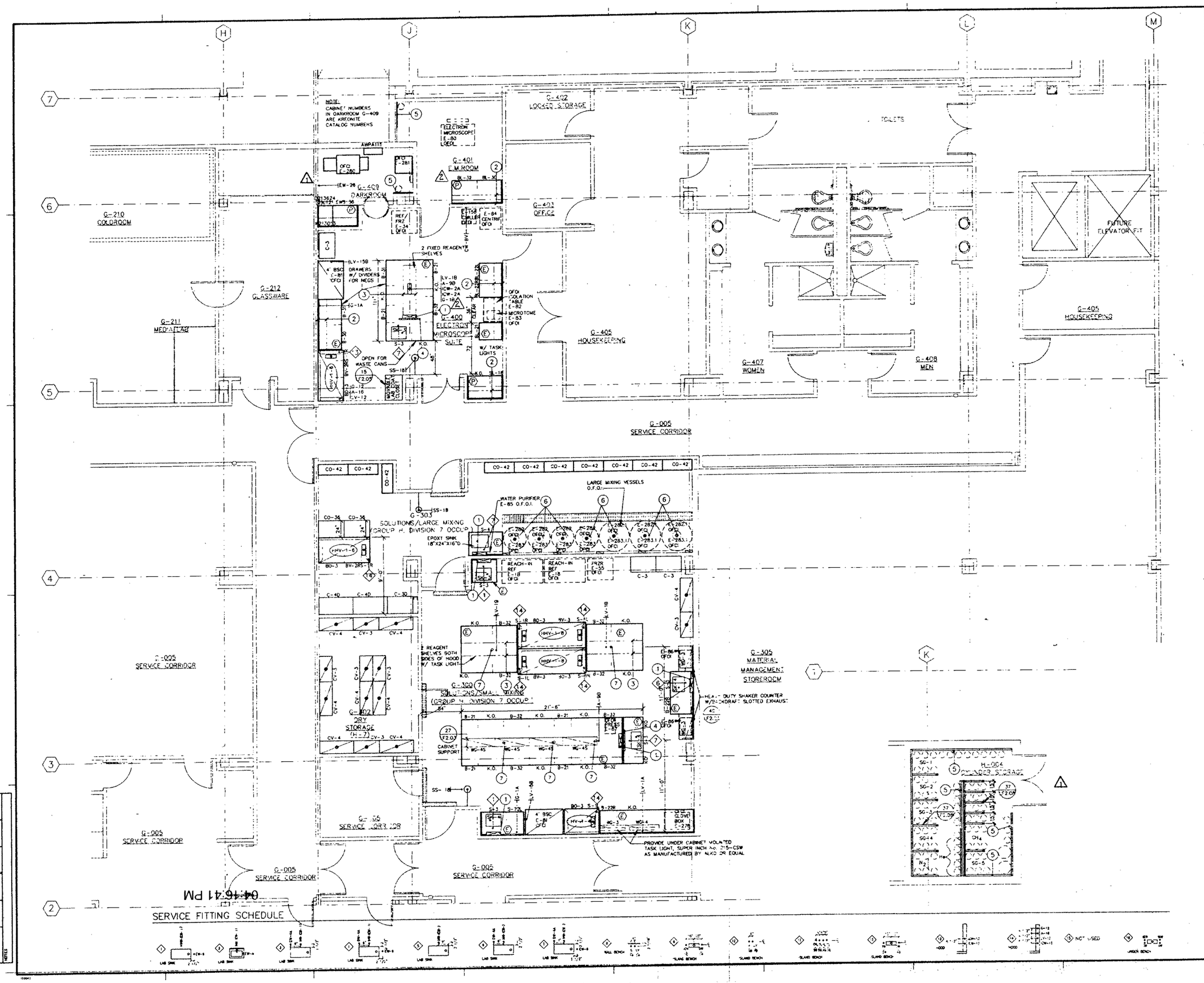
SCALE 1/4"=1'-0"

Project No. 19210.01

Date

Drawing No. LF1.01

000691



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Revisions

No.		Date
1	ADDENDUM NO. 1	5-15-91
2	ADDENDUM NO. 2	7-1-91

Regional Reference Laboratory
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Kaiser Permanente Medical Care Program
Southern California Region

LAB FURNISHINGS
GROUND FLOOR EAST

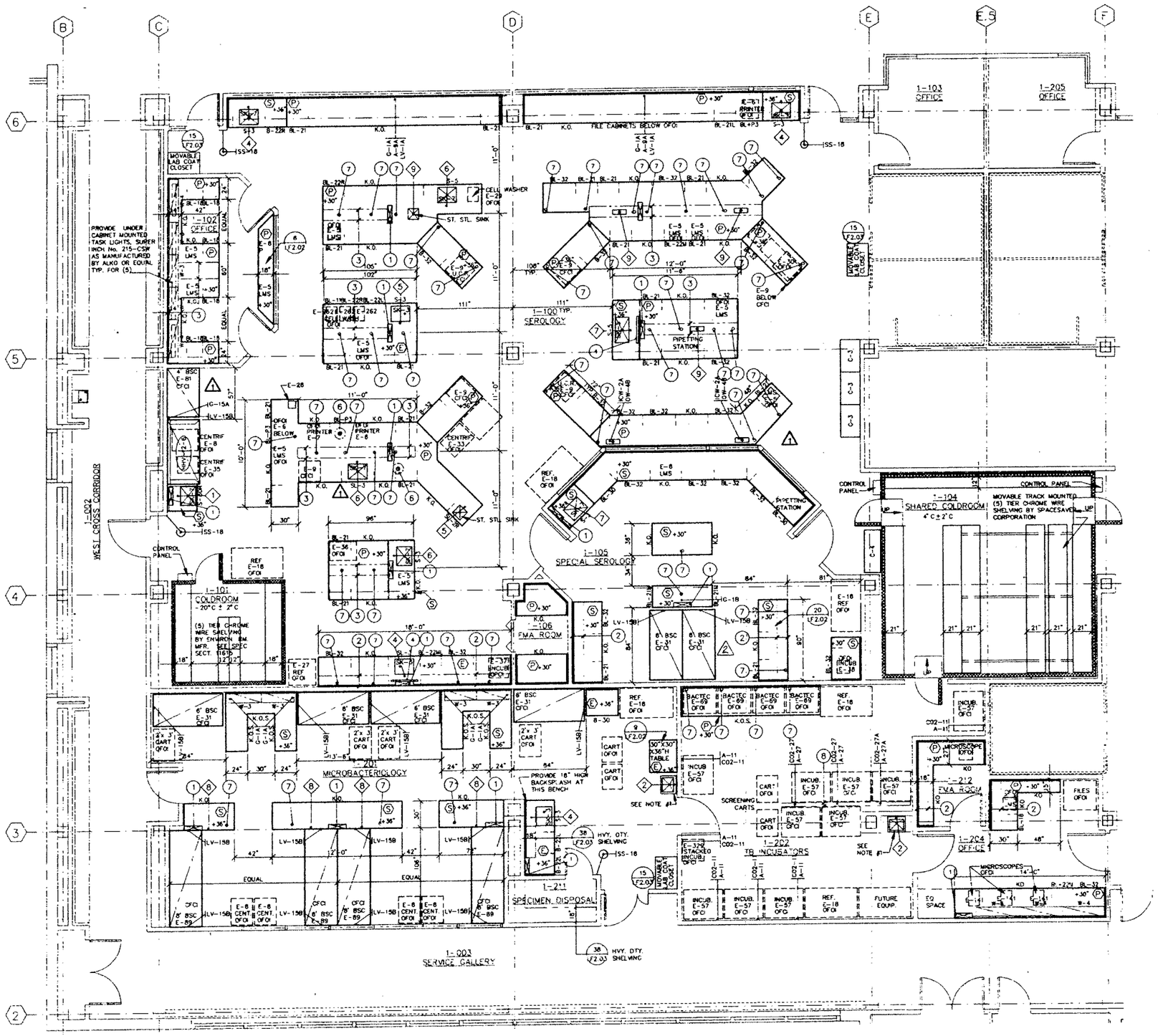
SCALE: 1/4"=1'-0"

Project No. 19210.01

Date

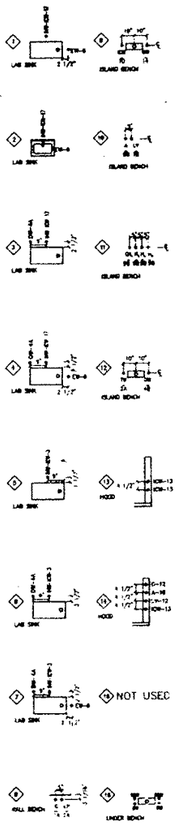
Drawing No. LF1.02

000692



NOTES:
1. PROVIDE A STAINLESS STEEL SINK LAVATORY MODEL A33338 AS MANUFACTURED BY JUST MANUFACTURING COMPANY OR EQUAL.

SERVICE FITTINGS



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Revisions

No.		Date
1	ADDENDUM NO. 1	5-15-91
2	ADDENDUM NO. 2	7-1-91

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Southern California Region

LAB FURNISHINGS
LAB LEVEL ONE WEST

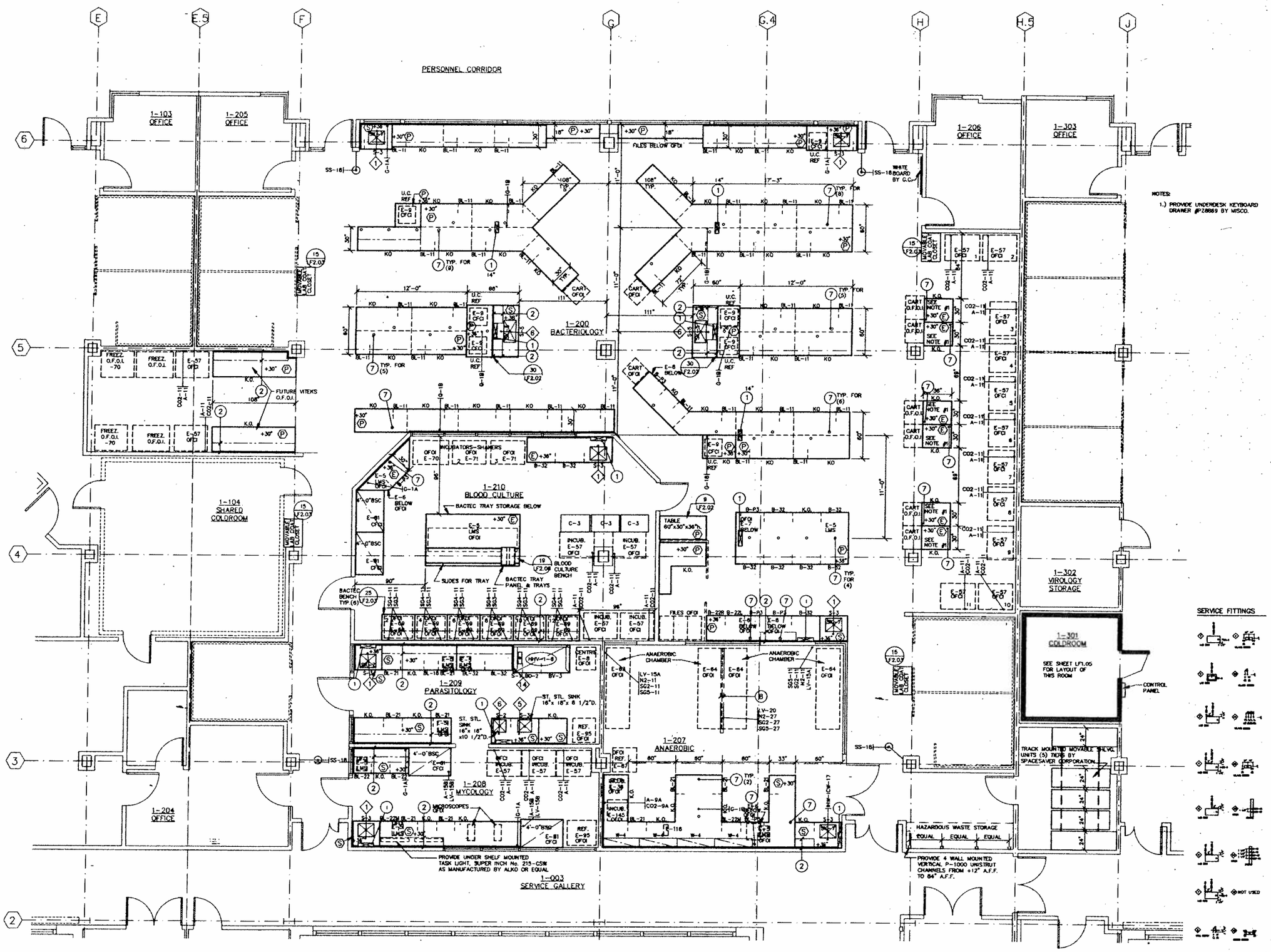
SCALE: 1/4"=1'-0"

Project No. 19210.01
Date
Drawing No. LF1.03

PROJECT NO. 19210.01

04:14:44 PM

000693



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Revisions

No.	Date

Regional Reference Laboratory
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Southern California Region

LAB FURNISHINGS
LAB LEVEL ONE CENTER

SCALE: 1/4"=1'-0"

Project No. 19210.01

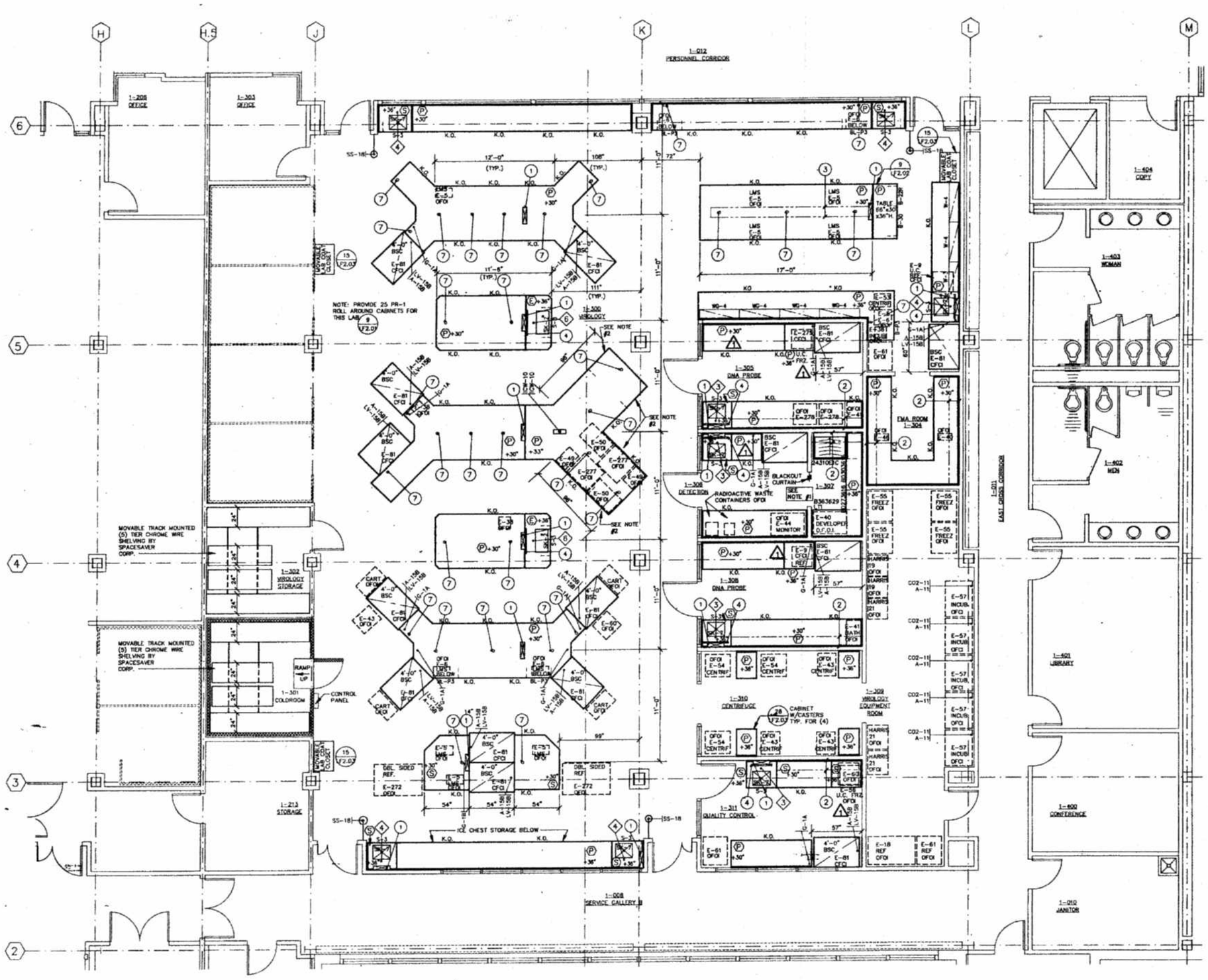
Date

Drawing No. LF1.04

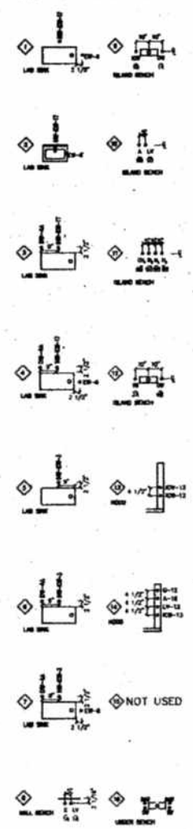
DRAWING: C:\NITE\8954-F04 DATE: 4/16/1991

000694

NOTES:
1. SINK AND CASEWORK NUMBERS IN ROOM 1-307 ARE KREONITE CATALOG NUMBERS.
2. PROVIDE A 36" WIDE BASE CABINET. CABINET TO BE FROM FLOOR TO UNDER-SIDE OF "C" FRAME FRONT RAIL WITH FULL HEIGHT DOORS AND CUT-OUT IN BACK PANEL. FOR A WASH & WASTE CART (24" x 16" x 28"H.)



SERVICE FITTINGS



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Revisions

No.		Date
1	ADDENDUM NO. 1	5-15-91

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LAB FURNISHINGS
LAB LEVEL ONE EAST

SCALE: 1/4"=1'-0"

Project No. 19210.01

Date

Drawing No. LF1.05

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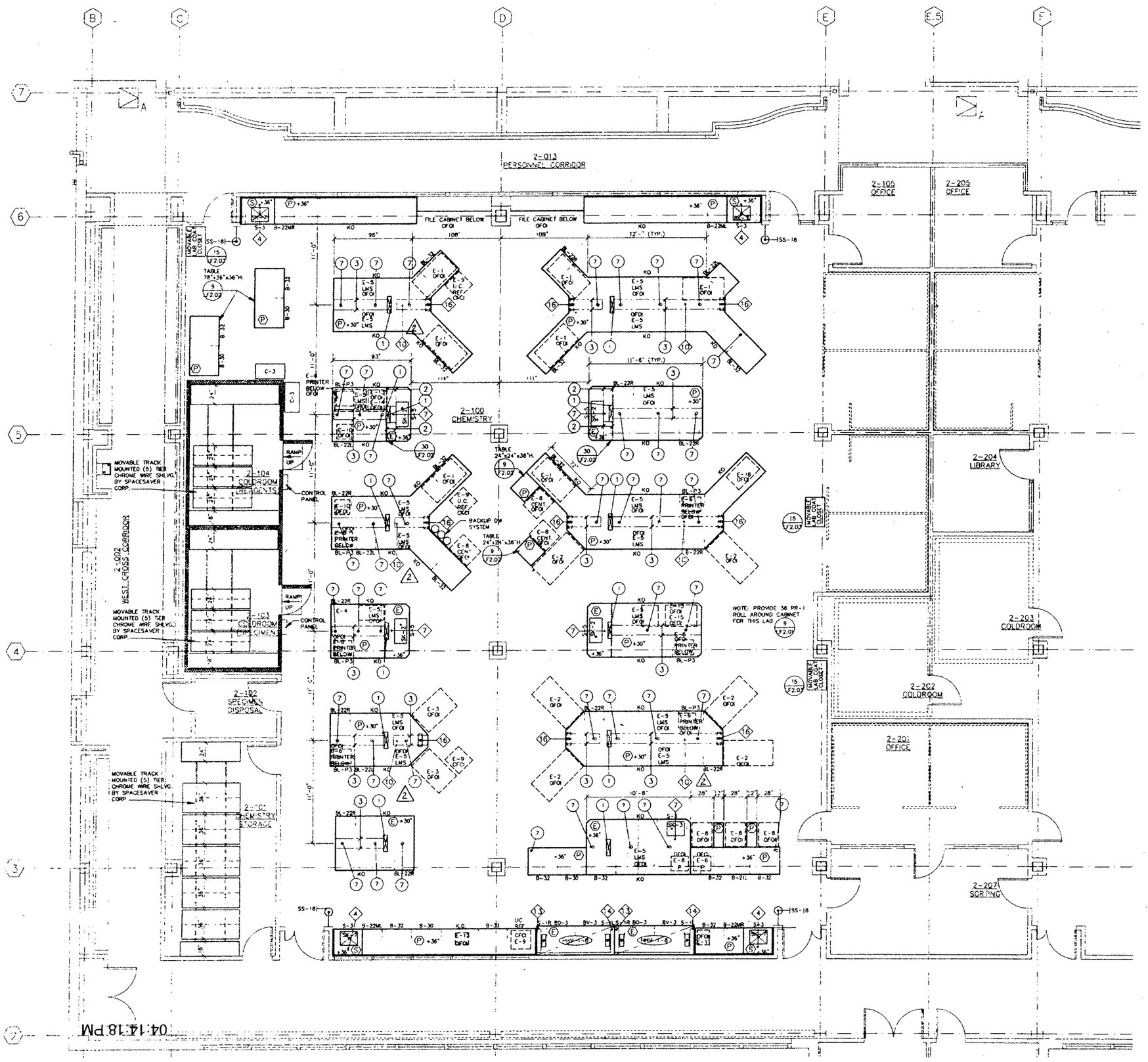
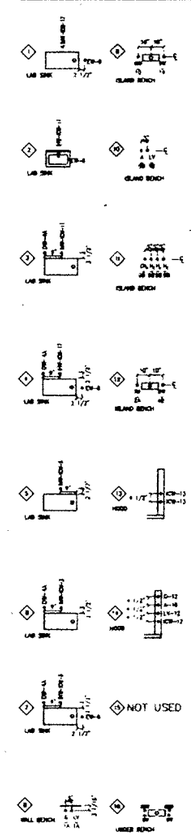
000695



SERVICE FITTINGS



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Revisions

No.		Date
2	ADDENDUM NO. 2	7-1-91

Regional Reference Laboratory
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LAB FURNISHINGS
LAB LEVEL TWO WEST

SCALE: 1/4"=1'-0"

Project No. 19210.01

Date

Drawing No. LF1.06

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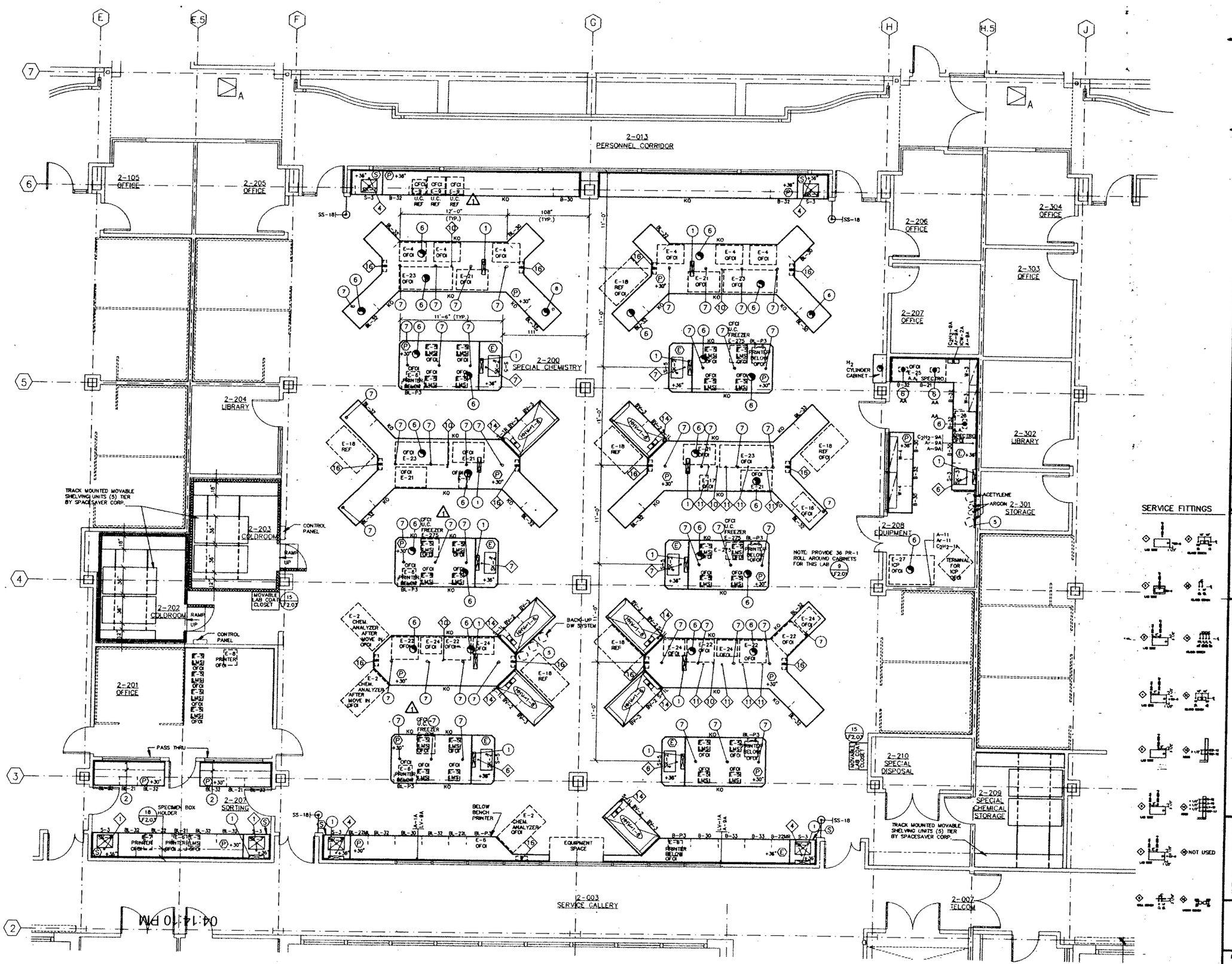
000696



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REGISTERED ARCHITECT
MICHAEL E. [illegible]
STATE OF CALIFORNIA

Revisions

No.		Date
1	ADDENDUM NO. 1	5-15-91

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LAB FURNISHINGS
LAB LEVEL TWO CENTER

SCALE 1/4"=1'-0"

Project No. 19210.01

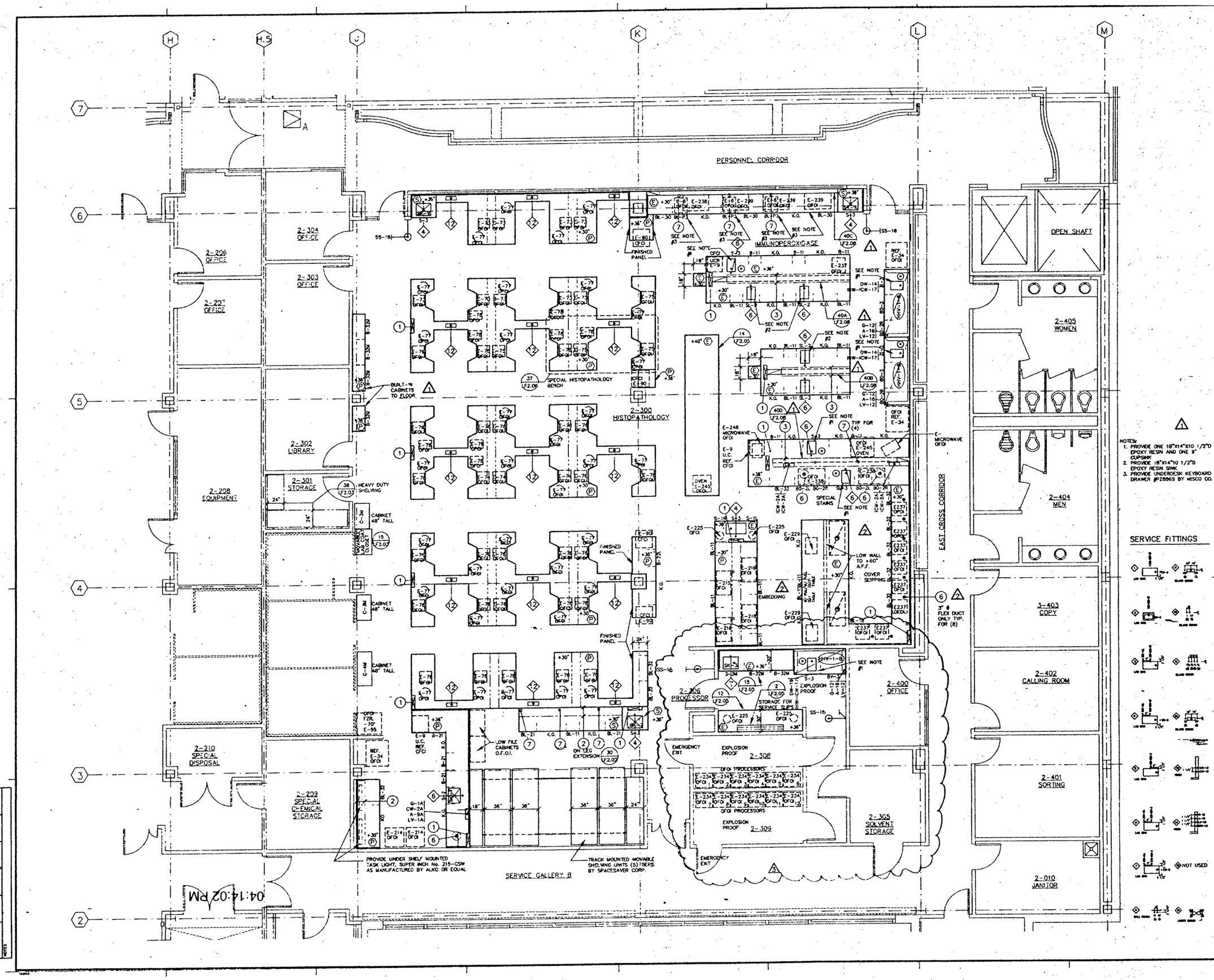
Date

P
PERMIT

Drawing No.
LF1.07

PROJECT NO. 19210.01

000697



NOTES:
1. PROVIDE ONE 18"X14"X10 1/2"D EPOXY RESIN AND ONE 9" CUPSINK
2. PROVIDE 18"X14"10 1/2"D EPOXY RESIN SINK
3. PROVIDE UNDEROESK KEYBOARD DRAWER #PZ8869 BY MISCO CO.

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No.		Date
1	ADDENDUM NO. 1	5-15-91
2	ADDENDUM NO. 2	7-1-91
3	BULLETIN #2	1-24-92

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LAB FURNISHINGS
LAB LEVEL TWO EAST

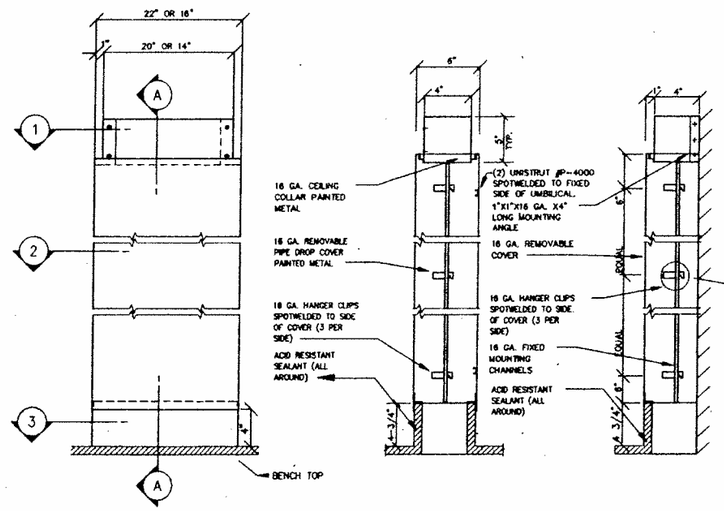
SCALE 1/8"=1'-0"

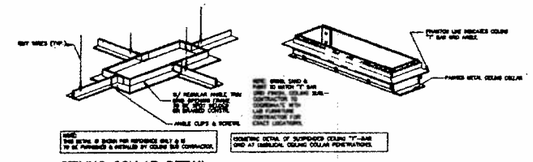
Project No. 19210.01

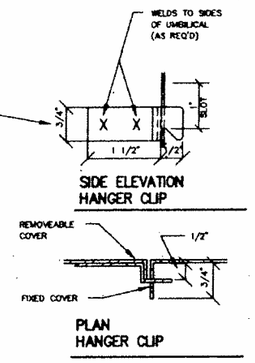
Date

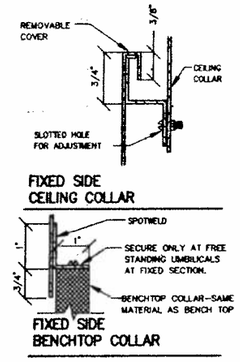
Drawing No. LF1.08

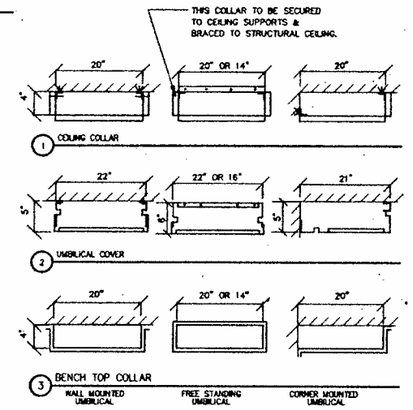
000698



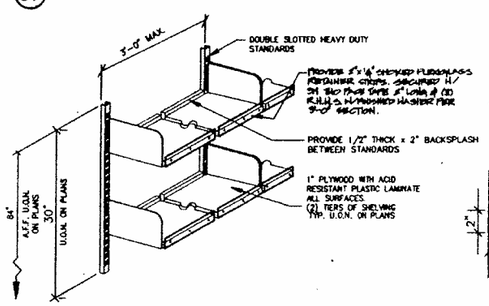




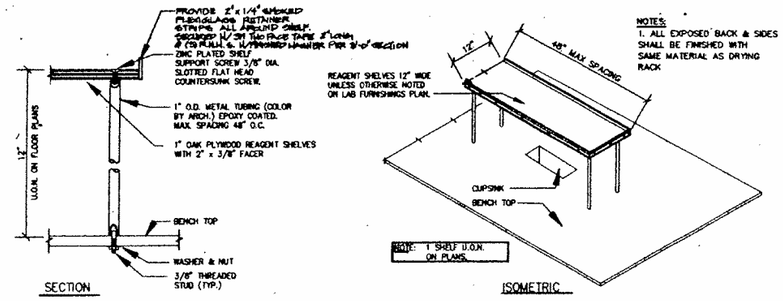




37 UMBILICAL DETAIL

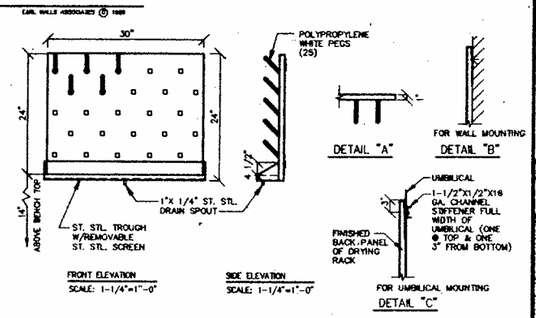


38 ADJ. WALL SHELVING DETAIL
NOT TO SCALE

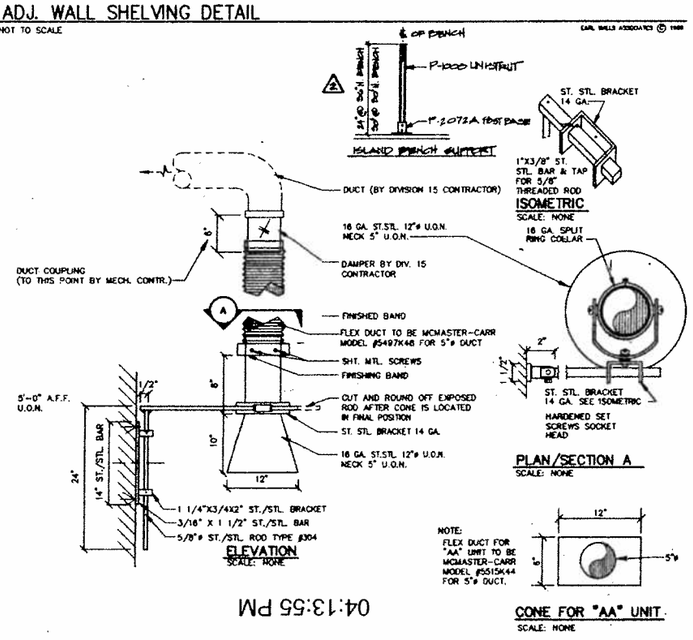


23 REAGENT SHELF DETAIL

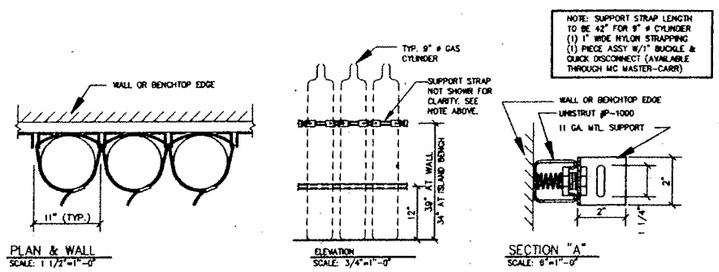
NOTES:
1. ALL EXPOSED BACK & SIDES SHALL BE FINISHED WITH SAME MATERIAL AS DRYING RACK



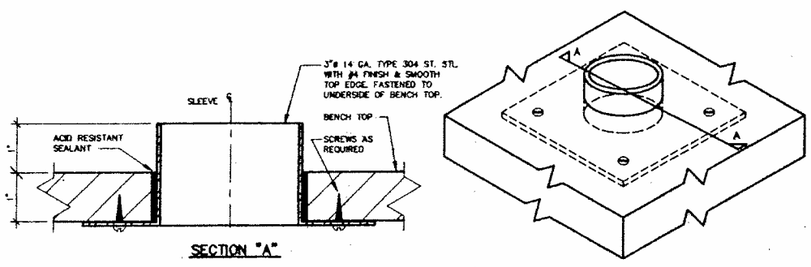
8 ST. STL. DRYING RACK



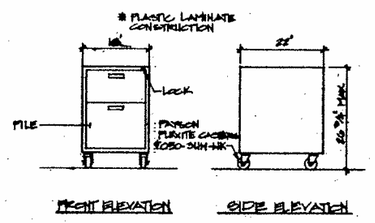
40 SNORKEL DETAIL



24 CYLINDER RACK DETAIL



25 BENCHTOP SLEEVE



9 PR-1 CABINET

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Electrical Engineer

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San Francisco, California 94108

Landscape Architect

EARL WALLS ASSOCIATES
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San Diego, California 92126

Laboratory Architect

Laboratory Mechanical Engineer

Laboratory Electrical Engineer

Revisions

No.		Date
2	ADDENDUM NO. 2	4-1-91

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

LAB FURNISHINGS DETAILS

AS NOTED

Project No. 19210.01	P PERMIT	Drawing No. LF2.01
Date		

PROJECT NO. 19210.01

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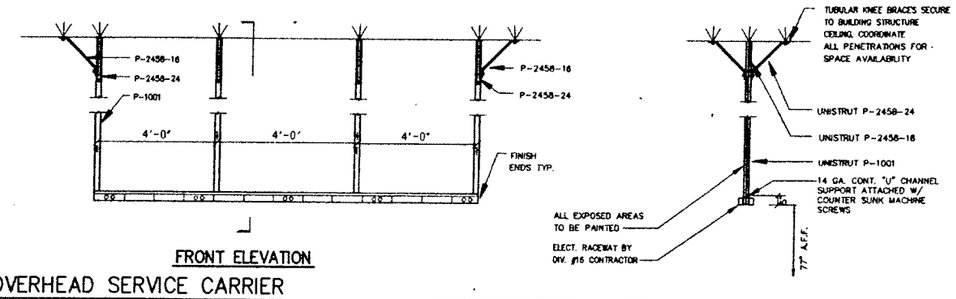
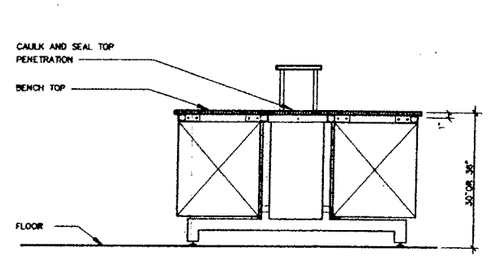
C:\WITE\6954F07 PROGRESS SET DATE: 3/22/1991

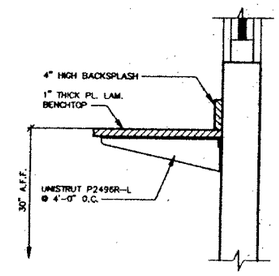
000699



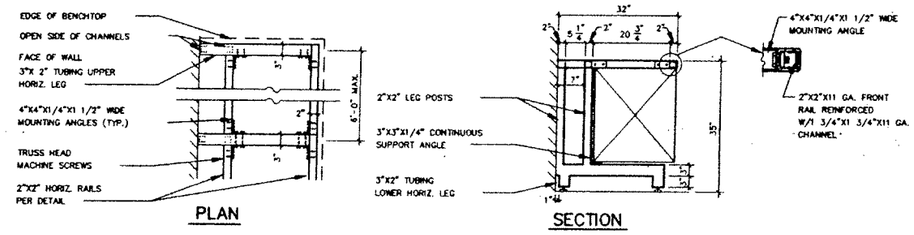
36 OVERHEAD SERVICE CARRIER
NOT TO SCALE



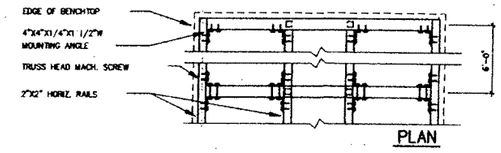
16 TYPICAL ISLAND BENCH SECTION
3/4" = 1'-0"

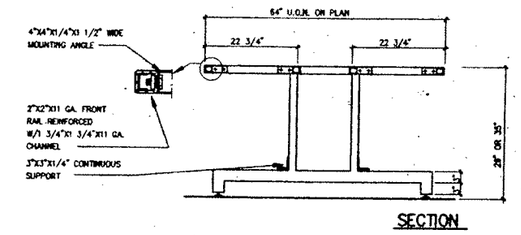


6 WALL HUNG BENCHTOP
1 1/2" = 1'-0"

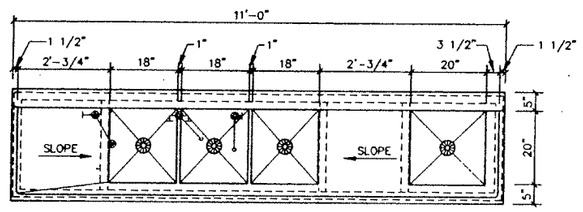


37 WALL BENCH C-FRAME



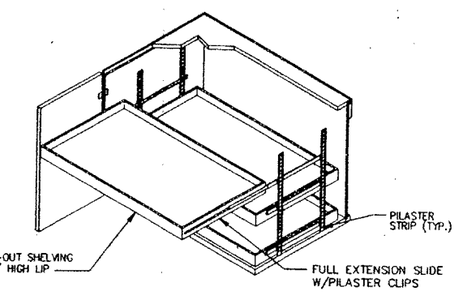


17 ISLAND BENCH C-FRAME

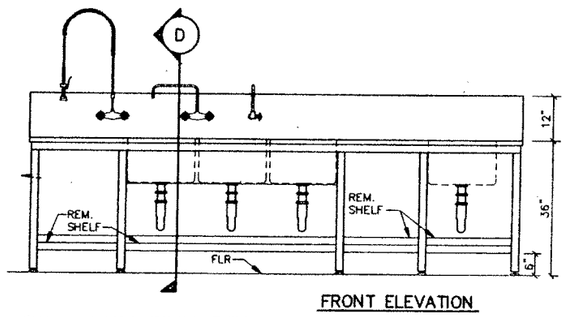


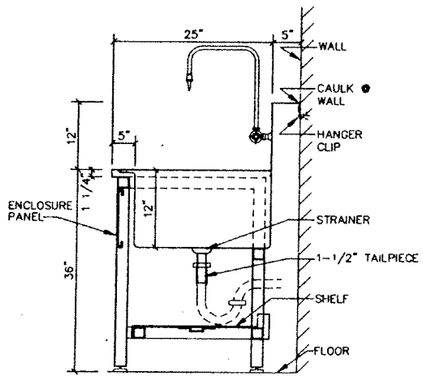
PLAN A
SCALE: 3/4" = 1'-0"

NOTES:
1. ALL SHEET METAL WORK TO BE 16 GA. TYPE #304 ST./STL.
2. ALL FRAME & LEG MEMBERS TO BE 2" SQ. ST./STL. TYPE #304 16 GA. MIN. WITH WELDED CONNECTIONS.
3. APPLY SOUND DEADENING MATERIAL TO UNDERSIDE SINK BASINS, TOP & BACKSPLASHES.
4. FOR SERVICES SEE INDIVIDUAL FLOOR PLANS.

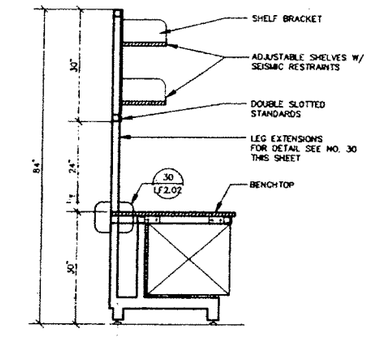


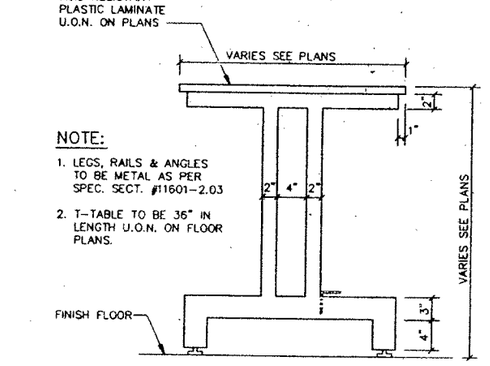
18 PULL-OUT ADJUSTABLE SHELVING
NOT TO SCALE





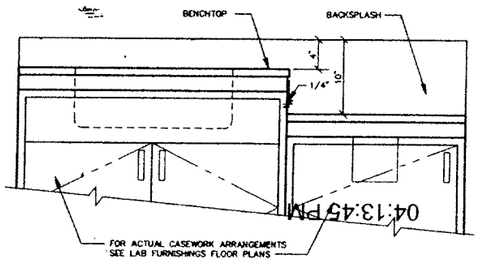
39 SCULLERY SINK DETAIL



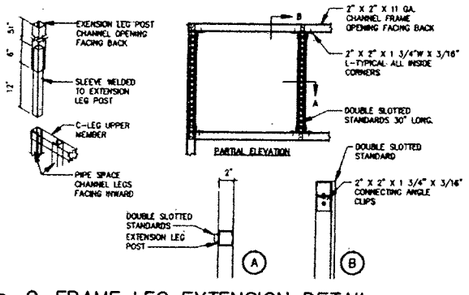


NOTE:
1. LEGS, RAILS & ANGLES TO BE METAL AS PER SPEC. SECT. #11601-2.03
2. T-TABLE TO BE 36" IN LENGTH U.O.N. ON FLOOR PLANS.

9 MOVABLE TABLE

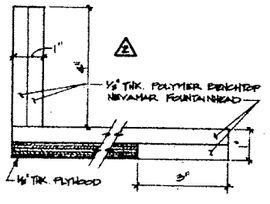


40 BENCHTOP HEIGHT TRANSITION
1 1/2" = 1'-0"



30 C-FRAME LEG EXTENSION DETAIL
3/4" = 1'-0"

20 FREESTANDING BENCH
3/4" = 1'-0"



10 POLYMER BENCHTOP DETAIL
SCALE: 1/2" = 1"

SMP

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Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

LAB FURNISHINGS DETAILS

AS NOTED

Project No. 19210.01

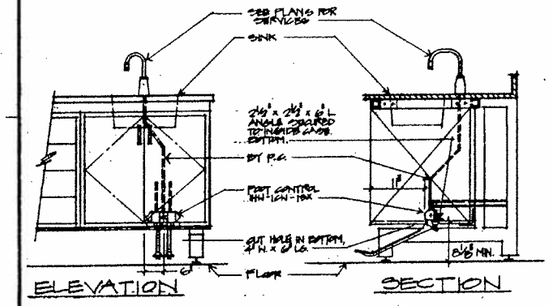
Date

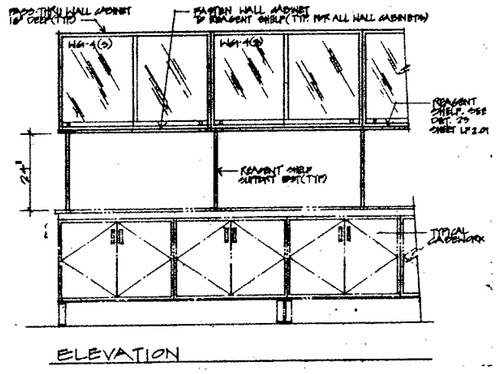
Drawing No. LF2.02

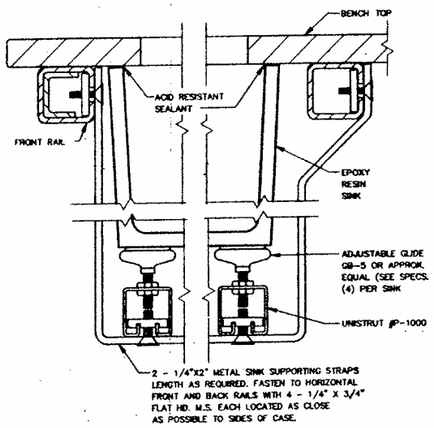
PROJECT NO. 19210.01
PRELIMINARY TITLE
FOR TITLE
NOTES

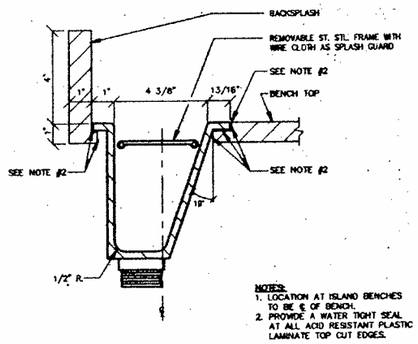
DRAWING: C:\NITE\8954F08 PROGRESS SET DATE: 3/26/1991

000700

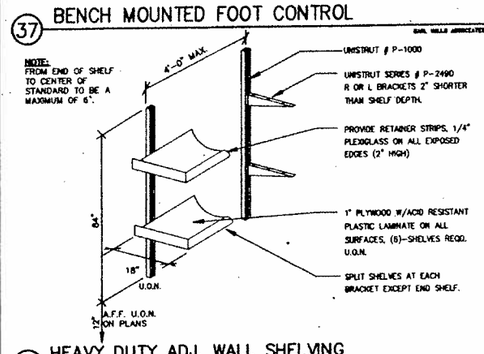








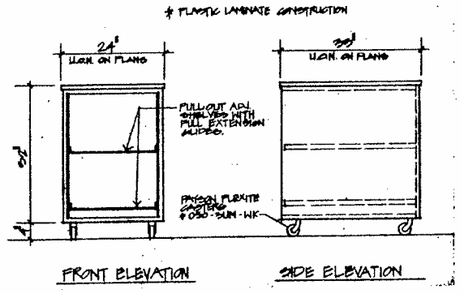
(37) BENCH MOUNTED FOOT CONTROL



(38) HEAVY DUTY ADJ. WALL SHELVING

3/4"= 1'-0"

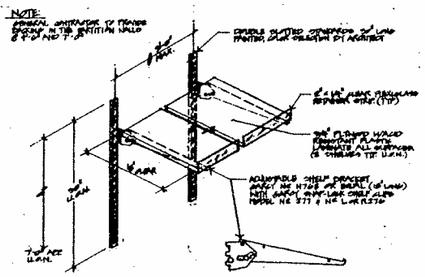
(27) WALL CABINET SUPPORT AT ISLAND BENCH



(28) CABINET WITH CASTERS

NOT TO SCALE

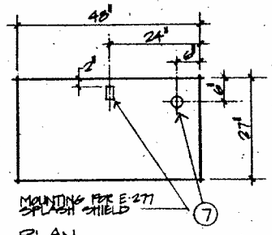
(17) EPOXY SINK DETAIL

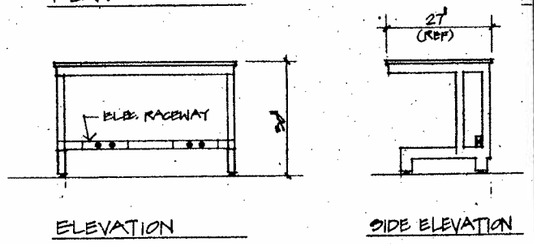


(18) ADJ. SHELF FOR SPECIMEN BOXES

(7) TYPICAL CUPSINK DETAIL

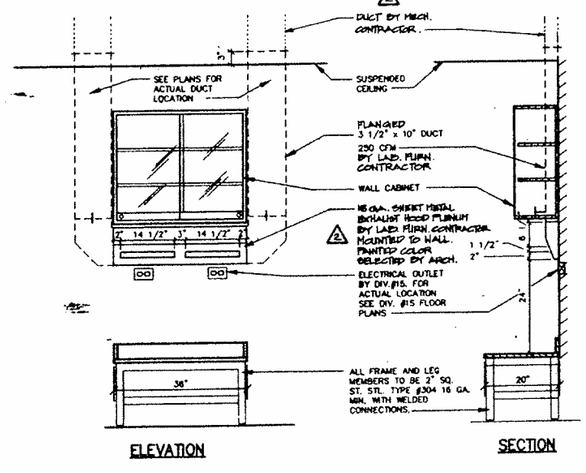
NOT TO SCALE





(9) POUR – OFF STATION DETAIL

3/4"= 1'-0"



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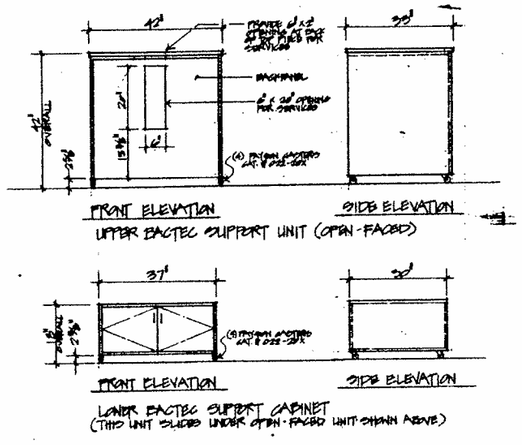
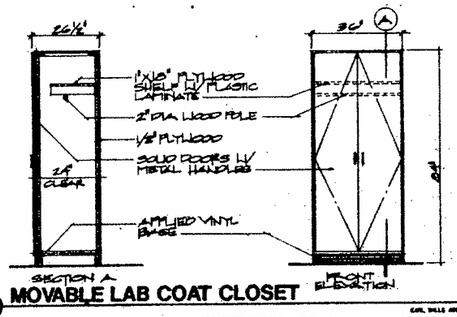
(40) BACK DRAFT BENCH

3/4"= 1'-0"



(25) BACTEC BENCH DETAIL



(15) MOVABLE LAB COAT CLOSET

SMP

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Tech. Coord. | Checked | Tech. Arch.

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Structural Engineer

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Electrical Engineer

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Laboratory Analyst

Laboratory Mechanical Engineer

Laboratory Electrical Engineer

Revisions

No.		Date
2	ADDENDUM NO. 2	7-1-91

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

LAB FURNISHINGS DETAILS

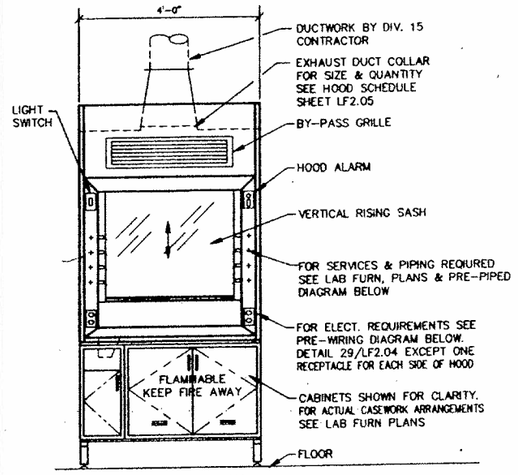
AS NOTED

Project No: 19210.01

Date

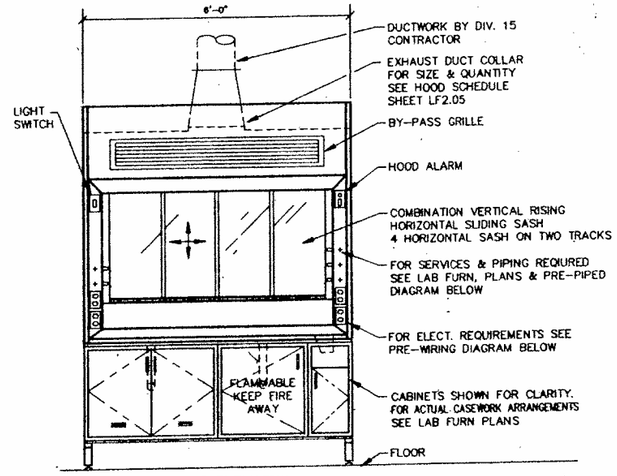
Drawing No. LF2.03

000701



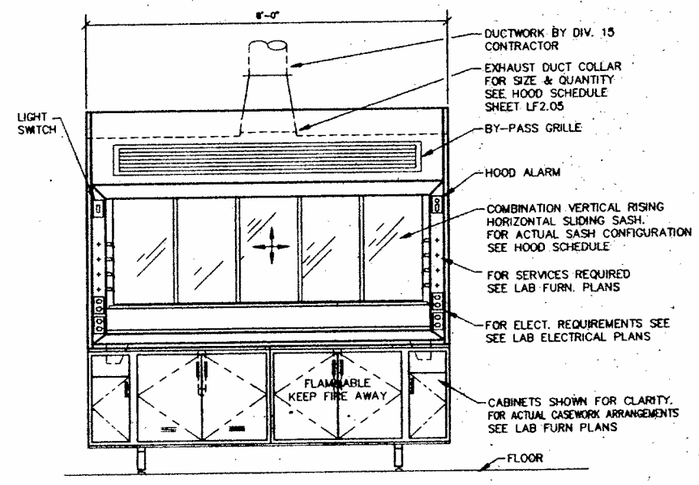
FRONT ELEVATION
SCALE: 3/4"=1"-0"

37 4'-0" CHEMICAL FUME HOOD



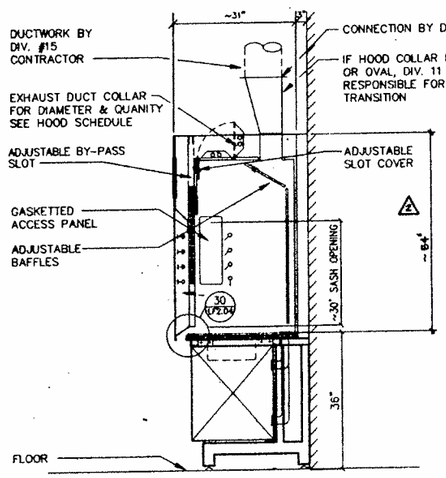
FRONT ELEVATION
SCALE: 3/4"=1"-0"

27 6'-0" CHEMICAL FUME HOOD



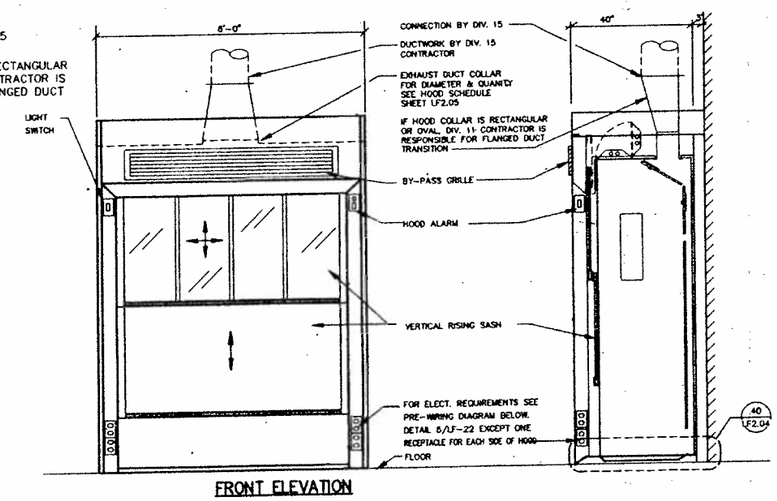
FRONT ELEVATION
SCALE: 3/4"=1"-0"

12 8'-0" CHEMICAL FUME HOOD



SECTION

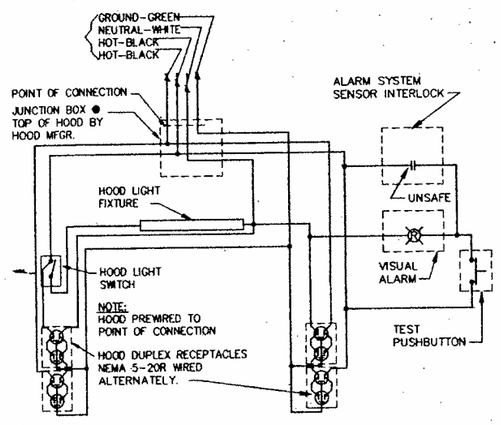
39 TYP. FUME HOOD SECTION



FRONT ELEVATION

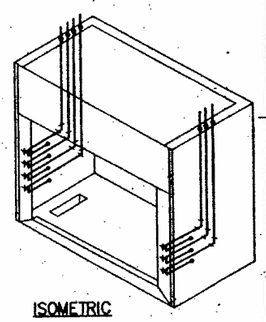
29 6'-0" WALK-IN FUME HOOD
SCALE 3/4" = 1'-0"

SEE LAB. ELECT. DWGS. FOR CIRCUIT DESIGNATION & HOME RUN PANEL BOARD



14 TYP. HOOD PREWIRING DIAGRAM

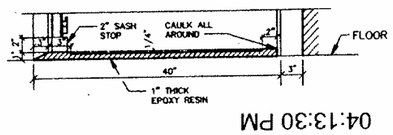
NOTE:
POINT OF CONNECTION 2" ABOVE FUME HOOD W/ THREADED ENDS CAPPED



ISOMETRIC

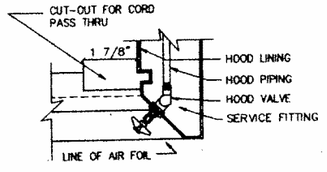
HOOD STRUCTURE

4 TYP. HOOD PRE-PIPING DIAGRAM

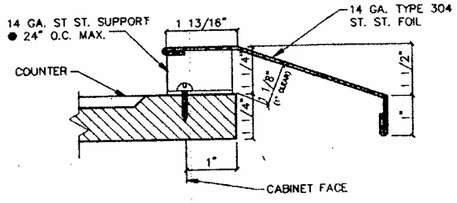


SECTION

40 WALK-IN HOOD SILL DETAIL



30 TYP. MTG. OF PIPING VALVE



20 AIR FOIL DETAIL

04:13:30 PM

SMP

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Tech. Coord. Checked Tech. Arch.

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Kaiser Permanente Medical Care Program
Southern California Region

LAB FURNISHINGS
FUME HOOD DETAILS

AS NOTED

Project No. 19210.01

Date

Drawing No. LF2.04

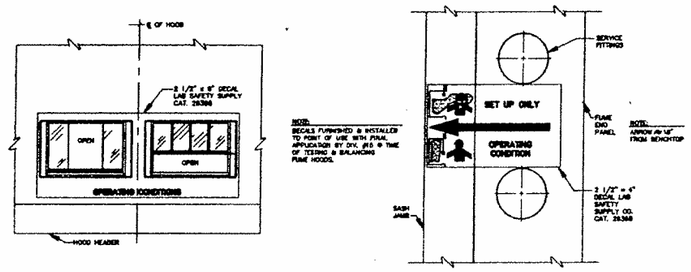
PROJECT NO. 19210.01

TITLE

SHEET TITLE

SHEET NO. 13

000702



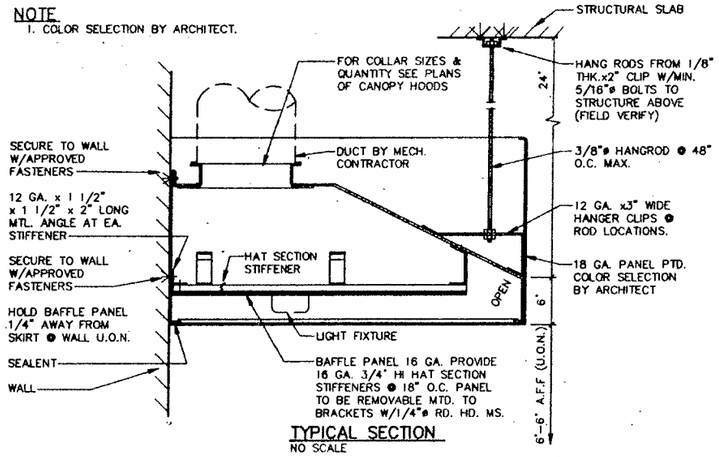
36 HOOD SAFETY DECALS

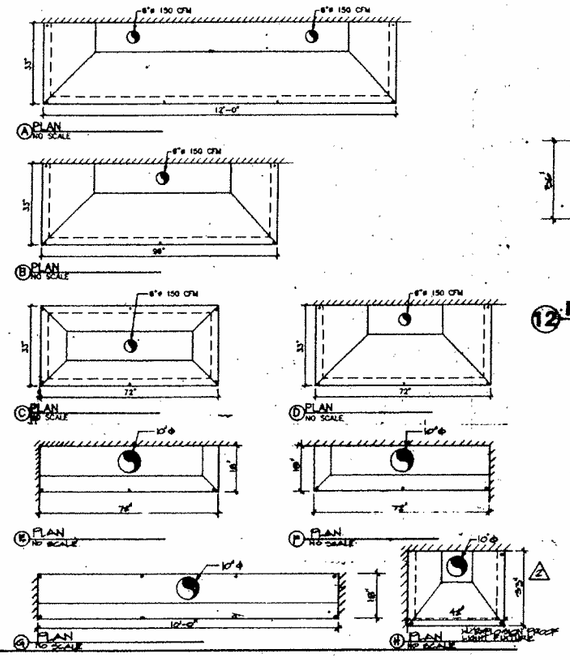
FUME HOOD SCHEDULE

HOOD REF.	LENGTH	FACE VELOCITY FT./MIN.	C.F.M.	STATIC PRESSURE DROP IN H_2O	TO COLLAR SIZE	SASH QUANTY VERT.	SASH QUANTY HORIZ.	SASH QUANTY TRACKS	TYPE	SASH CONFIGURATION	LINER MTL.	BENCH TOP MTL.	SASH MTL.	DECALS DETAIL #1	REMARKS
HV-1-4	48"	100	760	0.5	8" ø 15" S 10" ø	1	–	–	BENCH MTD. CHEMICAL	VERTICAL RISING	MINERAL FIBERBOARD	EPOXY RESIN	LAMINATED SAFETY GLASS	NO	
HV-1-6	72"	100	1250	0.5	8" ø 24" S 12" ø	1	–	–	BENCH MTD. CHEMICAL	VERTICAL RISING	MINERAL FIBERBOARD	EPOXY RESIN	LAMINATED SAFETY GLASS	YES	
HHV-1-6	72"	100	700	0.5	8" ø 15" S 10" ø	1	4	2	BENCH MTD. CHEMICAL	HORIZ. SLIDING, VERTICAL RISING	MINERAL FIBERBOARD	EPOXY RESIN	LAMINATED SAFETY GLASS	YES	
HHV-1-8	96"	100	790	0.5	8" ø 15" S 10" ø	1	4	2	BENCH MTD. CHEMICAL	HORIZ. SLIDING, VERTICAL RISING	MINERAL FIBERBOARD	EPOXY RESIN	LAMINATED SAFETY GLASS	YES	
HHV-2-8	72"	100	780	0.5	8" ø 15" S 10" ø	1	4	2	WALK-IN CHEMICAL	HORIZ. SLIDING, VERTICAL RISING	MINERAL FIBERBOARD	EPOXY RESIN	LAMINATED SAFETY GLASS	NO	

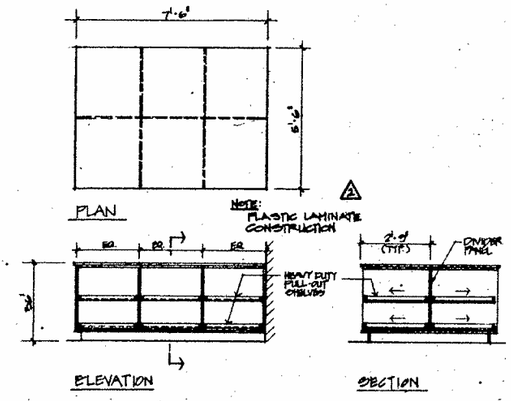
HOOD NOTES:

1. IF HOOD COLLAR IS RECTANGULAR OR OVAL, DIVISION 11 CONTRACTOR IS RESPONSIBLE FOR FLANGED DUCT TRANSITION TO DIVISION 15 MECHANICAL DUCT SHOWN ON MECHANICAL DWGS.

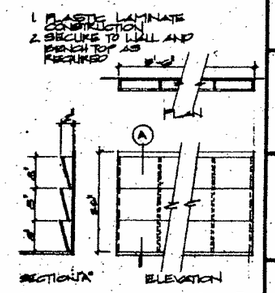




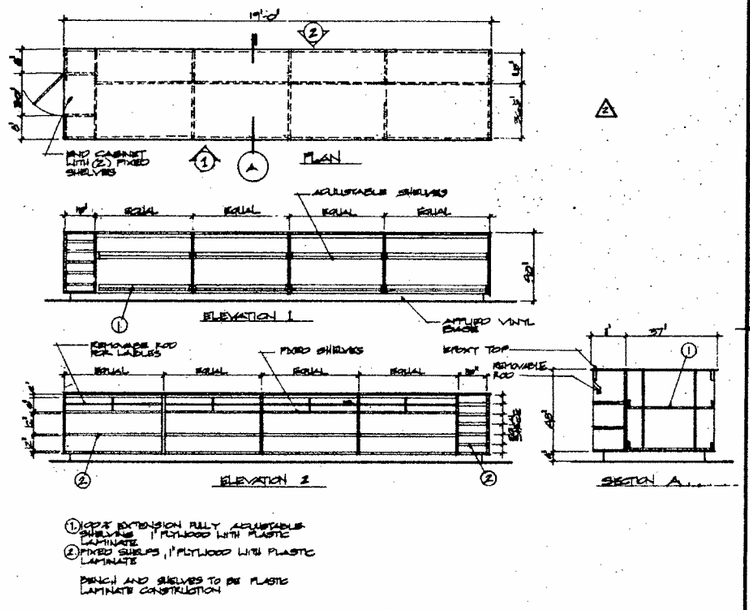
38 CANOPY HOOD DETAILS



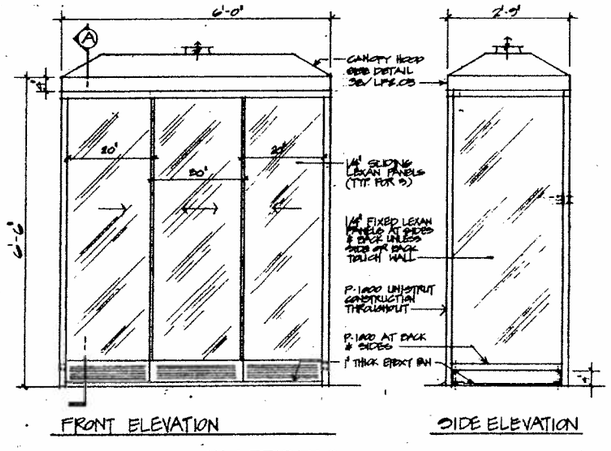
12 PROCESSOR ISLAND BENCH

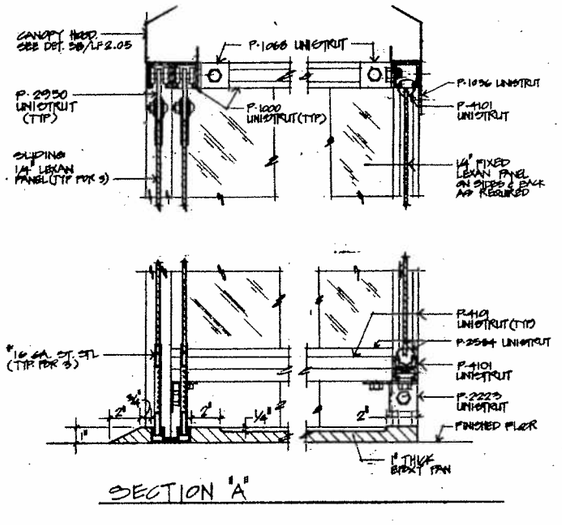


2 SERVICE SLIP STOR.

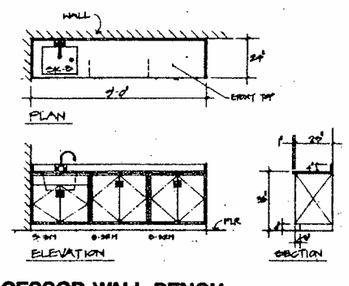


14 HISTOPATHOLOGY RECEIVING BENCH





40 SEPARATION LAB CANOPY HOOD ENCLOSURE



15 PROCESSOR WALL BENCH

SMP
Stone Marraccini Patterson
Architecture
Planning
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One Market Plaza
Spear Street Tower
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San Francisco
CA 94105
415 227-0100

Architect AIA

Tech. Coord. | Checked | Tech. Arch.

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Structural Engineer

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Electrical Engineer

KELLER MITCHELL CARONNA
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San Francisco, California 94108
Landscape Architect

EARL WALLS ASSOCIATES
8345 Clairemont Canyon Road
San Diego, California 92123
Laboratory Architect
Laboratory Mechanical Engineer
Laboratory Electrical Engineer

Revisions

No.		Date
2	ADDENDUM NO. 2	1-2-91

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood · Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

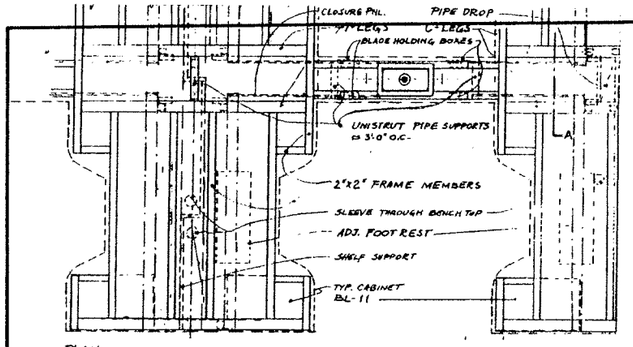
LAB FURNISHINGS FUME HOOD AND MISC. DETAILS
AS NOTED

Project No. 19210.01
Date
Drawing No. LF2.05

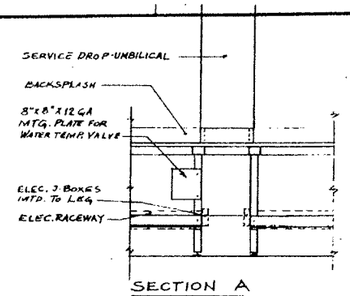
04:13:22 PM

DRAWING: C:\NITE\8954F11 PROGRESS SET DATE: 4/2/1991

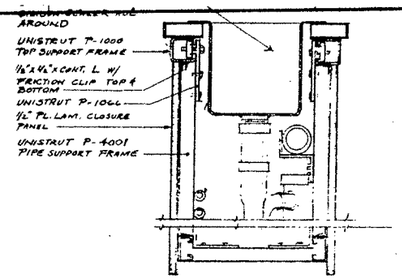
000703



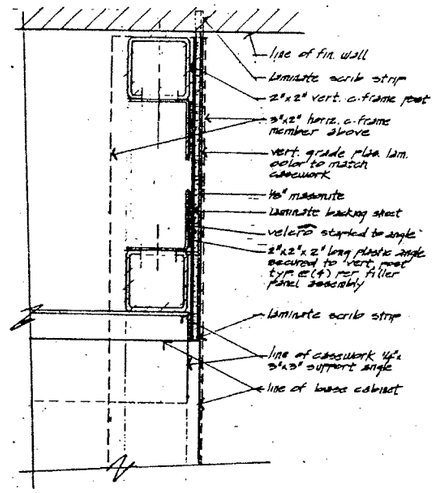
PLAN
3/4" = 1'-0"

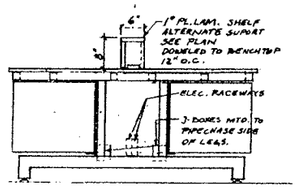


SECTION A
SCALE: 3/4" = 1'-0"

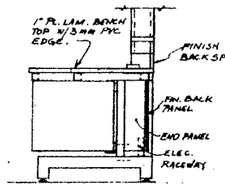


DETAIL SECTION
3" = 1'-0"

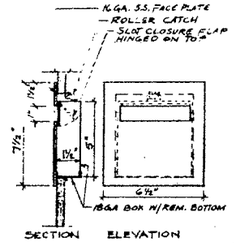




ISLAND BENCH SECTION
3/4" = 1'-0"

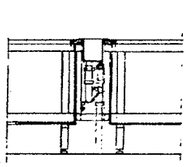


END BENCH SECTION
3/4" = 1'-0"

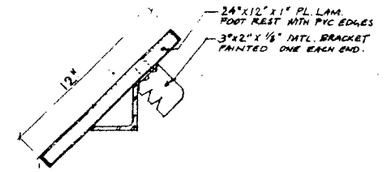


SECTION ELEVATION

REMOVABLE USED BLADE HOLDING BOX
SCALE: 3" = 1'-0"

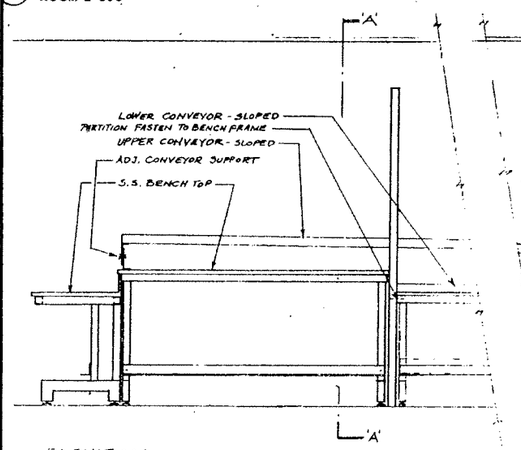


PIPE SPACE SECTION
3/4" = 1'-0"

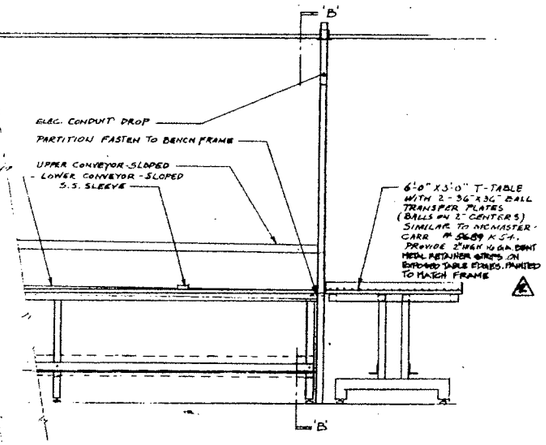


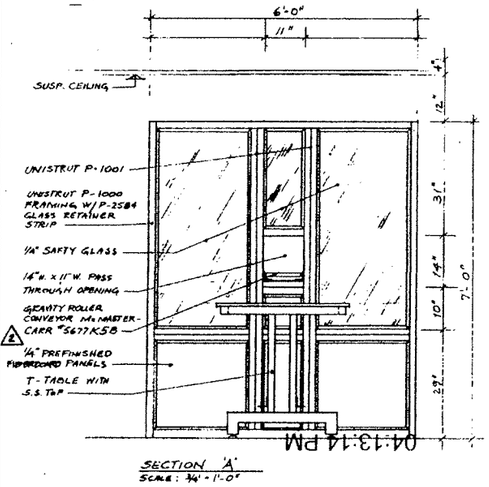
ADJUSTABLE FOOT REST
SCALE: 3" = 1'-0"

(37) SPECIAL HISTOPATHOLOGY BENCH DETAIL
ROOM 2-300

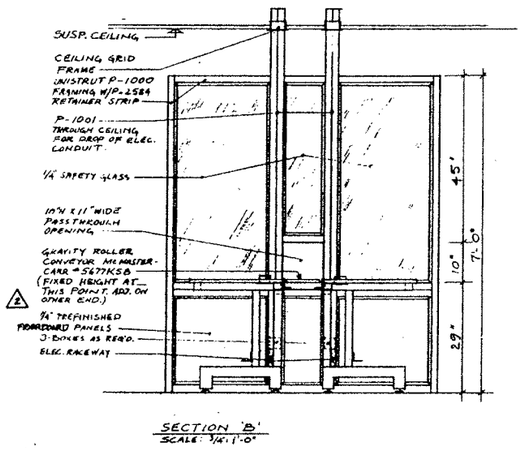


ELEVATION
SCALE: 3/4" = 1'-0"





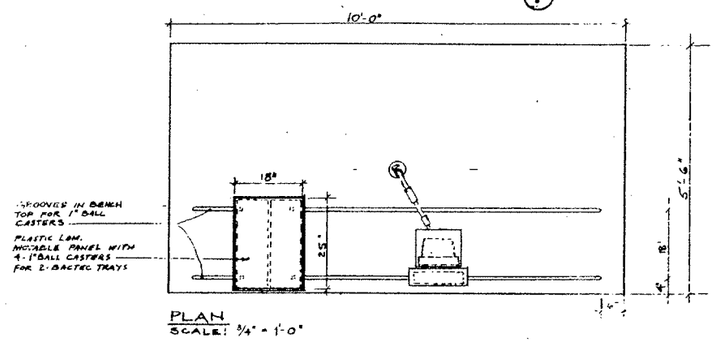
SECTION 'A'
SCALE: 3/4" = 1'-0"



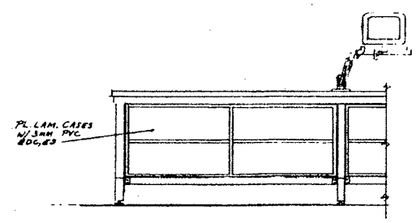
SECTION 'B'
SCALE: 3/4" = 1'-0"

(40) SEPARATION BENCH DETAIL
ROOM G-216

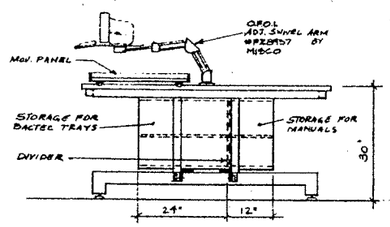
(7) CABINET FILLER PANEL



PLAN
SCALE: 3/4" = 1'-0"

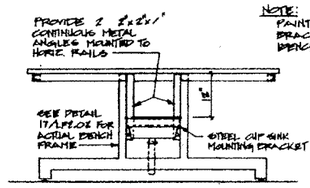


ELEVATION
SCALE: 3/4" = 1'-0"



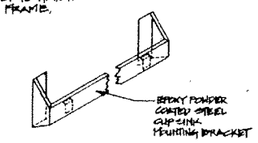
SECTION
SCALE: 3/4" = 1'-0"

(19) BLOOD CULTURE BENCH DETAIL
ROOM 1-210



SECTION/ELEVATION

NOTE:
PAINT ANGLES AND BRACKET TO MATCH BENCH FRAME.



ISOMETRIC

(20) UNDER BENCH MOUNTED CUP SINK

SMP

Stone Marraccini Patterson

Architecture
Planning
Interior Architecture

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Spear Street Tower
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415 227-0100

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Tech. Coord. | Checked | Tech. Arch.

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Laboratory Mechanical Engineer

Laboratory Electrical Engineer

Revisions

No.		Date
2	ADDENDUM NO. 2	7-1-91

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

LAB FURNISHINGS DETAILS

AS NOTED

Project No. 19210.01

Date

Drawing No. LF2.06

PROJECT NO. 19210.01

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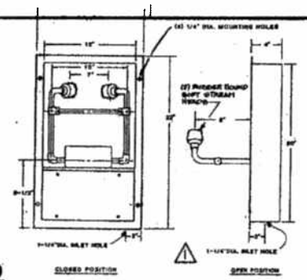
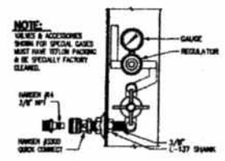
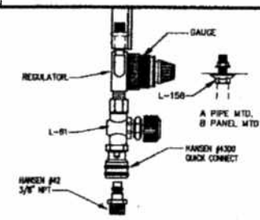


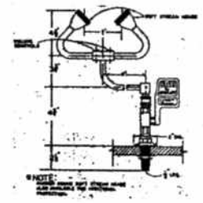
RECESSED WALL MOUNTED SWING-DOWN EYE WASH
FE-838-8
SERVICE FITTING #26



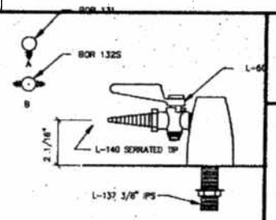
HOOD MOUNTED FITTING FOR SG AND A W/REGULATOR AND GAUGE.
L-739-365-137-W/HANSEN 3300-14
SERVICE FITTING #16



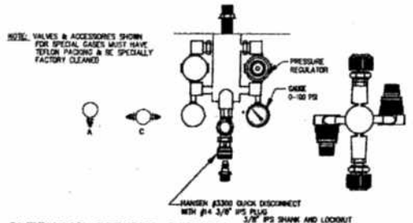
PIPE MOUNTED HIGH-PRESSURE AIR-FITTING WITH REGULATOR AND GAUGE
NO.L-61-365-4300-42
SERVICE FITTING #11



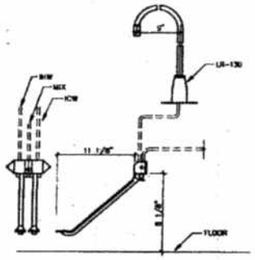
DECK MOUNTED EMERGENCY EYE WASH
E9-806
SERVICE FITTING #6



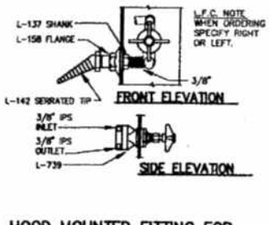
DECK MOUNTED GROUND KEY HOSE COCK FOR GAS, LAB AIR, LAB VACUUM
1A=L 60-BOR131-140-137 1B=L 60-BOR1325-140-137
SERVICE FITTING #1



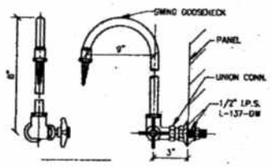
OVERHEAD SERVICE CARRIER MTD. HIGH PRESSURE AIR FTG. W/PRESSURE REGULATOR, GAUGE & QUICK CONNECT FTG.
L-770-61-3300-14
SERVICE FITTING #27



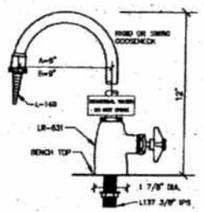
FOOT CONTROL FOR IHW-ICW
L-3010-NS W/LR-130-SG-9-55
SERVICE FITTING #17



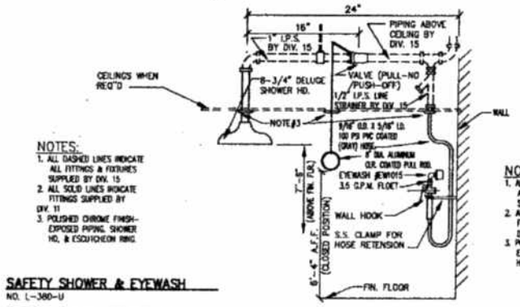
HOOD MOUNTED FITTING FOR GAS, LAB AIR, LAB VACUUM
L-739-142-138-137
SERVICE FITTING #12



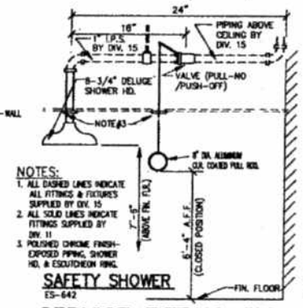
PANEL MOUNTED HIGH PURITY WATER FITTING
L-2781-SG HOT TIN LINED WITH NON SELF-CLOSING HANDLE
SERVICE FITTING #7



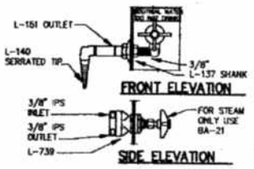
BENCH MOUNTED WATER FITTING
A=NO.LR631-140-137 RIGID GOOSENECK
B=NO.LR631-140-137 SWING GOOSENECK
SERVICE FITTING #2



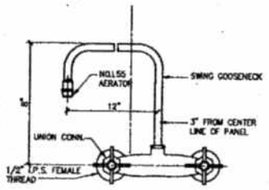
SAFETY SHOWER & EYEWASH
NO. L-380-U
SERVICE FITTING # 28



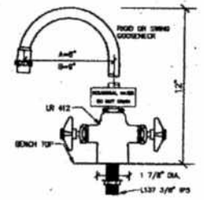
SAFETY SHOWER
ES-642
SERVICE FITTING #18



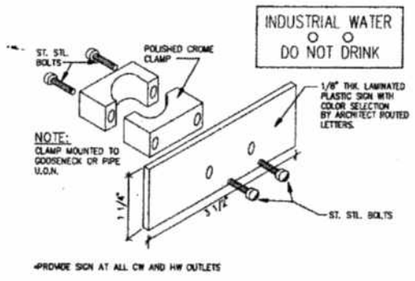
HOOD MOUNTED FITTING FOR COLD WATER
L-740-S
SERVICE FITTING #13



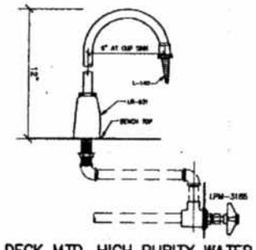
PANEL MOUNTED MIXING FAUCET
NO.L1712-VS-55-137
SERVICE FITTING #8



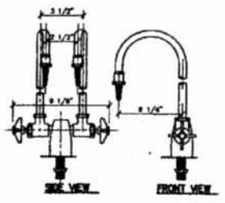
BENCH MOUNTED MIXING FITTING
A=NO. LR412-SG6-55 SWING GOOSENECK
B=NO. LR412-SG9-55 SWING GOOSENECK
SERVICE FITTING #3



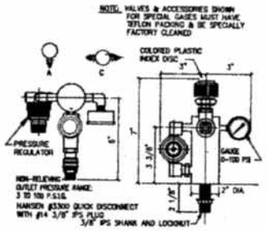
SIGN AND MOUNTING BRACKET DETAIL 29



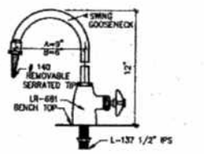
DECK MTD. HIGH PURITY WATER FTG. W/REMOTE CTRL. ASSEMBLY
LPM-3185-6RVB
HOT TIN LINED WITH NON SELF CLOSING VALVE
SERVICE FITTING #19



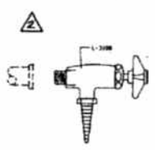
DECK MOUNTED DUPLEX - HIGH PURITY WATER FITTING
RIDGED GOOSENECK W/SERRATED TIP NO. LR-370-C
HOT TIN LINED WITH NON SELF CLOSING VALVE
SERVICE FITTING #14



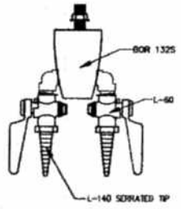
DECK MOUNTED HIGH PRESSURE AIR FITTING W/PRESSURE REGULATOR, GAUGE & QUICK CONNECT FTG.
L-770-61-3300-14
SERVICE FITTING #9



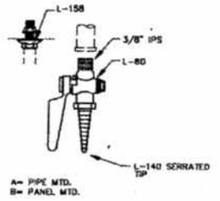
DECK MOUNTED HIGH PURITY WATER FITTING
NO. LR681-140 HOT TIN LINED WITH NON SELF CLOSING VALVE
SERVICE FITTING #4



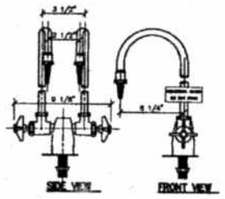
PIPE MOUNTED HIGH PURITY WATER FITTING
L-3100-140
HOT TIN LINED W/NON SELF-CLOSING HANDLE
SERVICE FITTING #25



OVERHEAD CARRIER MOUNTED GRND. KEY HOSE COCK FOR GAS, LA, LV
L-60-BOR-1325-140-137
SERVICE FITTING #20



PIPE MOUNTED GROUND KEY HOSE COCK FOR GAS, LAB AIR, LAB VACUUM
L-60-140
SERVICE FITTING #15



DECK MOUNTED DUPLEX WATER FITTING
RIDGED GOOSENECK W/SERRATED TIP NO. LR-370-C
SERVICE FITTING #10

04:13:07 PM

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MICHAEL B. STONE
C 7595
JAN 4 3-95
STATE OF CALIFORNIA

Revisions

No.		Date
1	ADDENDUM NO. 1	5-15-91
2	ADDENDUM NO. 2	7-1-91

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

LAB FURNISHINGS SERVICE FITTINGS

SCALE: 1/4"=1'-0"

Project No. 19210.01

Date

Drawing No. LF2.07

PROJECT NO. 19210.01

NO.	DWG. TITLE	NOTES

PLANNING: C:\NITE\8954F12 DATE: 4/17/1991

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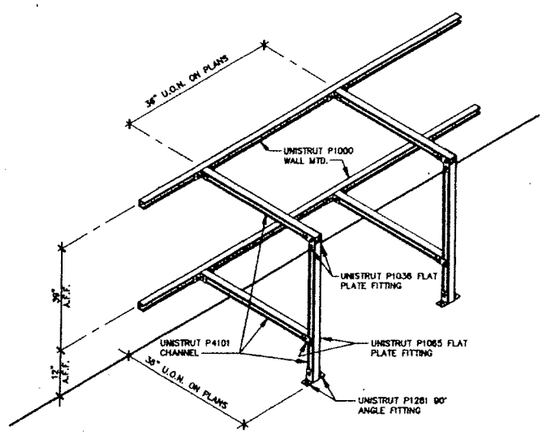
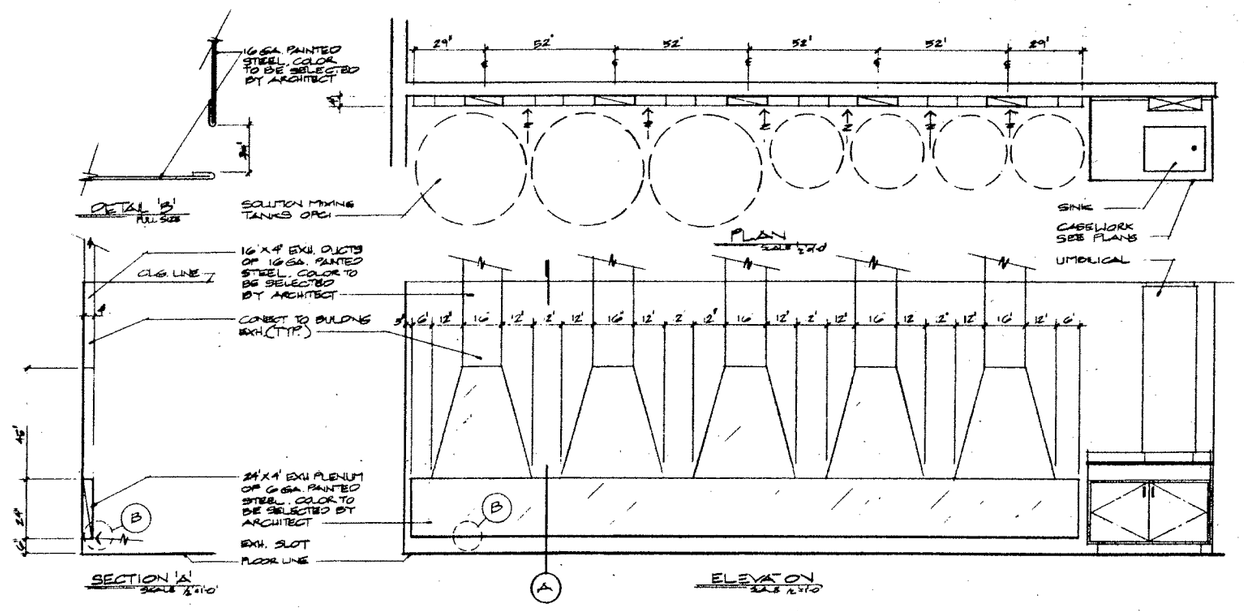
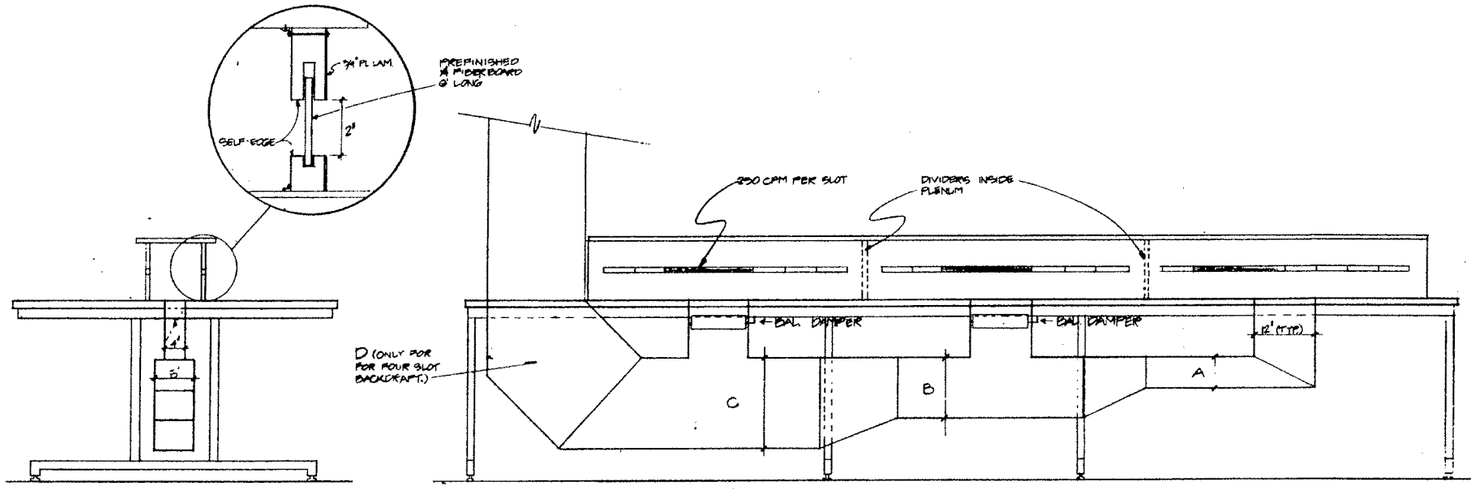


37 CYLINDER STORAGE RACK DETAIL
SCALE: NONE



22 SOLUTIONS LOW SLOT EXHAUST
SCALE: AS NOTED



DIMENSION OF CHAMBER

DETAIL #	# OF SLOTS	A (FURTHEST)	B	C	D (CLOSEST)
40A	3 x 2 SIDES	6"x8"	12"x8"	18"x8"	
40B	2 x 2 SIDES	6"x8"	12"x8"		
40C	4 x 1 SIDE	6"x4"	12"x4"	18"x4"	24"x4"
40D	2 x 1 SIDE	6"x4"	12"x4"		

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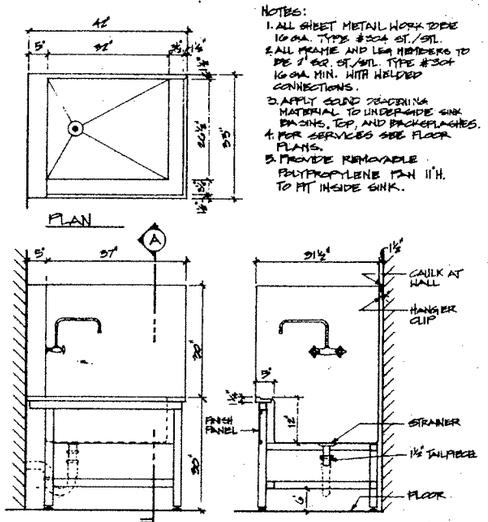
40 BACKDRAFT



NOTES:
1. ALL SHEET METAL WORK DONE 16 GA. TYPE #304 ST./STL.
2. ALL FRAME AND LEG MEMBERS TO BE 1" SQ. ST./STL. TYPE #304 16 GA. MIN. WITH WELDED CONNECTIONS.
3. APPLY SOUND DEADENING MATERIAL TO UNDERSIDE SINK BASINS, TOP, AND BACKSPLASHES.
4. FOR SERVICES SEE FLOOR PLANS.
5. PROVIDE REMOVABLE POLYPROPYLENE PAN 11"H. TO FIT INSIDE SINK.

9 SPECIAL SINK IN RM. 2-306

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RBH 4-3-93

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2	ADDENDUM No. 2	7-1-91

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Kaiser Permanente Medical Care Program
Southern California Region

LAB FURNISHINGS DETAILS

Project No. 19210.01
Date
Drawing No. LF2.08

PROJECT NO. 19210.01

000706

ABBREVIATIONS

AIC	=	SHORT-CIRCUIT AMPS INTERRUPTING CAPACITY
BSC	=	BIO-SAFETY CABINET
C.O.	=	CONDUIT ONLY
EM	=	EMERGENCY (OPTIONAL STANDBY)
E.P.	=	EXPLOSION-PROOF
LCL	=	LONG CONTINUOUS LOAD
MLO	=	MAIN LUGS ONLY
N.A.	=	NON-AUTOMATIC
NEC	=	NATIONAL ELECTRICAL CODE
PNL.	=	PANEL
RECEPT.	=	RECEPTACLE
U.C.	=	UNDER COUNTER
U.O.N.	=	UNLESS OTHERWISE NOTED
W.P.	=	WEATHERPROOF

LAB ELECTRICAL GENERAL NOTES

A. CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH LAYOUT AND DETAIL CONDITIONS BY CONSULTING THE LABORATORY FURNISHINGS AND PLUMBING DRAWINGS WHICH SHOW SPACE LIMITATIONS AND EQUIPMENT MODIFICATIONS, RACEWAYS, UMBILICALS, REAGENT SHELVES, HOODS, ETC.

B. CONTRACTOR SHALL VERIFY EXACT REQUIREMENTS WITH OTHER TRADES PRIOR TO ANY JOB DIMENSIONS, FABRICATION AND INSTALLATION OF ELECTRICAL EQUIPMENT.

C. ALL CONDUIT AND J-BOXES IN CEILING AREA SHALL BE RUN IN A FUNCTIONAL PATTERN OR DIRECT UNIFORMITY (PARALLEL TO OR VERTICAL) WITH OTHER TRADES. (SPRINKLERS, PLUMBING LINES, DUCTS, STRUCTURAL MEMBERS, ETC.)

D. ALL RECEPTACLES SHALL BE IDENTIFIED AS TO PANEL AND CIRCUIT DESIGNATION (I.E.,1LA-22) LOCATED NEAR BOTTOM OF RECEPTACLE. ALL RECEPTACLES EXCEPT FOR THE REGULAR 20A, 125V RECEPTACLES SHALL BE IDENTIFIED AS TO VOLTAGE, PHASE AND AMPERAGE (I.E.,208V,1ø,30A) LOCATED NEAR TOP OF RECEPTACLE. USE EMBOSSED GRAY NON-GLARE 3/8" "DYMO" TAPE LABELS. RECEPTACLES ON EMERGENCY CIRCUITS SHALL BE LABELED "EMERG."

E. ALL CONDUITS AND SURFACE RACEWAYS SHALL CONTAIN SEPARATE EQUIPMENT GROUNDING CONDUCTOR SIZED PER N.E.C. TABLE 250.95.

F. ELECTRICAL RECEPTACLES SHALL BE SPACED AS SHOWN ON LABORATORY ELECTRICAL PLANS. RECEPTACLES SHALL NOT BE LOCATED BEHIND CUP SINKS OR SINKS . ALL RECEPTACLES SHALL BE OF GRAY COLOR. EXCEPT FOR EMERGENCY RECEPTACLES WHICH SHALL BE OF RED COLOR.

G. ALL OSHA CABINETS SHALL BE GROUNDED.

H. FURNISH AND INSTALL COMPLETE ELECTRICAL WORK FOR POWER CIRCUITS FOR ENVIRONMENTAL ROOM UP TO AND INCLUDING JUNCTION BOX OUTSIDE AND ABOVE ENVIRONMENTAL ROOM. EXCEPT FOR REQUIREMENTS STATED ABOVE,ENVIRONMENTAL ROOM MANUFACTURER SHALL PROVIDE A COMPLETE PACKAGED ELECTRICAL WORK INCLUDING CONTROL PANEL WITH OVERCURRENT DEVICES AND COMPLETE WIRING UP TO POWER CIRCUIT JUNCTION BOX.

I. SURFACE METALLIC RACEWAYS SHALL BE COMPLETE, INCLUDING BASES, COVERS, END PLATES, WIRING, RECEPTACLES, FITTINGS AND CONNECTIONS, AND OF EXACT LENGTHS TO MATCH THE LENGTHS OF THE CABINETS AND SHELVINGS AS INDICATED ON LABORATORY FURNITURE SHOP DRAWINGS SINCE THE LENGTHS SHOWN ON ELECTRICAL DRAWINGS ARE ILLUSTRATIVE AND DIAGRAMMATIC ONLY AND ARE NOT ACCURATE. RACEWAY SHALL BE INSTALLED SO THAT NOTCH PROVIDED FOR REMOVING FACEPLATE SHALL BE AT BOTTOM.

J. WHERE ELECTRICAL WORK IS INDICATED FOR CONTRACTOR TO "PROVIDE" MEANS TO "FURNISH AND INSTALL".

K. FOR TYPE AND INSULATION OF CONDUCTORS, SEE SPECIFICATIONS.

L. ALL INDIVIDUAL WALL OUTLETS INCLUDING WALL OUTLETS FOR SURFACE METALLIC RACEWAYS SHALL BE RECESSED WALL TYPE, EXCEPT WHERE LOCATED ON SOLID CONCRETE WALLS AND INSIDE ENVIRONMENTAL ROOMS, SHALL BE SURFACE MOUNTED. SURFACE MOUNTED OUTLET BOXES SHALL BE CAST TYPE CROUSE HINDS "FS" OR "FD" TYPE, OR EQUAL. EXPOSED CONDUITS INSIDE ENVIRONMENTAL ROOMS SHALL BE RIGID STEEL.

M. RECESSED WALL OUTLETS LOCATED IN OPPOSITE SIDES OF COMMON WALL SHALL NOT BE INSTALLED BACK-TO-BACK.

N. FOR AIC RATINGS AND TYPE OF PANELBOARDS, SEE BUILDING ELECTRICAL DRAWINGS AND SPECIFICATIONS.

O. FOR CIRCUITING OF MULTI-OUTLET CIRCUITS FOR GENERAL PURPOSE RECEPTACLES IN RACEWAYS, SEE BASIC CIRCUITING METHOD ILLUSTRATIVE DETAIL 1/LE-5.

P. FOR EVERY RECESSED WALL TYPE LABORATORY POWER PANELBOARD, PROVIDE SPARE 3/4-INCH CONDUITS FROM PANEL STUBBED UP INTO NEARBY ACCESSIBLE SPACE ABOVE CEILING OF RESPECTIVE LABORATORY AREA BEING SERVED-ONE CONDUIT FOR EVERY THREE SINGLE POLE SPARES AND SPACES INDICATED ON PANELBOARD SCHEDULE.

Q. EACH LABORATORY POWER PANELBOARD SHALL BE PROVIDED COMPLETE WITH A 98 PERCENT CONDUCTIVITY COPPER GROUND BUS, SECURED TO THE INTERIOR OF THE ENCLOSURE, RATED NOT LESS THAN 25 PERCENT OF THE MAIN BUS AMPACITY. THE GROUND BUS SHALL HAVE A SEPARATE LUG FOR EACH GROUND CONDUCTOR.

R. AT CONDUIT TERMINATIONS, PROVIDE INSULATED BUSHINGS FOR CONDUCTOR PROTECTION.

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LABORATORY ELECTRICAL SYMBOLS LIST

SYMBOL	DESCRIPTION	REMARKS
	DUPLEX OUTLET - 20A, 125V, 2 POLE, 3 WIRE, NEMA 5-20R	A. PROVIDE MATCHING TYPE PLUGS FOR EACH RECEPTACLE EXCEPT FOR THE NEMA 5-20R (STRAIGHT BLADE) RECEPTACLE. B. RECEPTACLE WITH SUBSCRIPT TL INDICATES TWISTLOCK TYPE. C. INDIVIDUAL RECEPTACLES SHALL BE @ +45" U.O.N. D. WHERE INSTALLED IN SURFACE METALLIC RACEWAY, RECEPTACLES RATED 30A AND LARGER SHALL BE TWISTLOCK TYPE, INSTEAD OF THE STRAIGHT BLADE TYPE.
	DOUBLE DUPLEX OUTLET	
	SINGLE OUTLET 20A, 125V, 2 POLE, 3 WIRE, NEMA 5-20R. SUBSCRIPT INDICATES THE FOLLOWING: A = 30A, NEMA 5-30R B = 50A, NEMA 5-50R	
	SINGLE OUTLET 20A, 250V, 1 PHASE 2 POLE, 3 WIRE NEMA 6-20R. SUBSCRIPT INDICATES THE FOLLOWING: A = 30A, NEMA 6-30R B = 50A, NEMA 6-50R	
	SINGLE OUTLET - 20A, 250V, 3 PHASE, 3 POLE, 4 WIRE, GROUNDING, NEMA 15-20R. SUBSCRIPT INDICATES THE FOLLOWING: A = 30A, NEMA 15-30R	
	SINGLE OUTLET- 20A, 125/250V, 3 POLE, 4 WIRE, GROUNDING, NEMA 14-20R. SUBSCRIPT INDICATES THE FOLLOWING: A = 30A, NEMA 14-30R B = 50A, NEMA 14-50R C = 60A, NEMA 14-60R	
	SPECIAL RECEPTACLE OUTLET OF TYPE AS INDICATED ON THE DRAWINGS.	
	OUTLET PROVIDED BY OTHER SECTION OF WORK	WHERE LOCATED IN FUME HOOD SHALL BE PROVIDED BY FUME HOOD MANUFACTURER
	TYPE "A" SURFACE-MOUNTED MULTI-OUTLET POWER RACEWAY, U.O.N.	+45" FOR WALL MOUNTED RACEWAYS U.O.N. RACEWAYS ON ISLAND BENCHES SHALL BE ON UNDERSIDE OF BOTTOM SHELVING,SEE ISLAND BENCH DETAILS.
RECESSED SURFACE	CIRCUIT BREAKER PANEL. SEE PANEL SCHEDULES FOR SIZE, PHASE, AMPS, AND VOLTAGE	MAX. +6'- 6" TO TOP
A 30	2P OR 3P (AS REQUIRED) DISCONNECT SWITCH. LETTER SUBSCRIPTS INDICATE SWITCH SIZES AND NUMBER SUBSCRIPTS INDICATE DUAL-ELEMENT TIME DELAY FUSE SIZES, AS FOLLOWS: SWITCH SIZE: A = 30 AMPS, B = 60 AMPS, C = 100 AMPS, D = 200 AMPS, E = 400 AMPS. FUSE SIZE: 15 = 15 AMP, 20 = 20 AMP, 30 = 30 AMP, 35 = 35 AMP, 40 = 40 AMP, 45 = 45 AMP, 50 = 50 AMP, 60 = 60 AMP, ETC.	PROVIDE 250 VOLT OR 600 VOLT (DEPENDING ON VOLTAGE PROVIDED FOR EQUIPMENT), HEAVY DUTY TYPE, +5'-0".
1	REFERENCE NOTE DESIGNATION	
1PA	PANEL DESIGNATION	
+45"	INDICATES MOUNTING HEIGHT OF 45" FROM FINISHED FLOOR TO CENTER (U.O.N.) OF OUTLET BOX OR DEVICE	REFERENCE POINT AT FLOOR SHALL BE AT SAME FLOOR HIGH POINT SELECTED BY LAB FURNISHING CONTRACTOR AND SHALL BE THE COMMON ROOM REFERENCE POINT. COORDINATE WITH GENERAL CONTRACTOR.
M.H. = 43"	INDICATES MOUNTING HEIGHT OF 43" FROM FINISHED FLOOR TO BOTTOM OF OUTLET, DEVICE, FIXTURE, OR SURFACE METALLIC RACEWAY.	

LABORATORY ELECTRICAL SYMBOLS LIST

SYMBOL	DESCRIPTION	REMARKS
	CONDUIT RUN CONCEALED IN CEILING OR IN WALL U.O.N.	
	CONDUIT RUN EXPOSED	
	CONDUIT RUN BELOW FLOOR SLAB	
	FLEXIBLE CONDUIT	
	CONDUIT SEAL - EXPLOSION PROOF OR VAPORPROOF.	AS REQUIRED FOR THE SPECIFIC CONDUIT LOCATION.
1PA 1-3-5	HOMERUN TO PANELBOARD "1PA" WITH 4 #12 (PLUS EQUIPMENT GROUND - NOT SHOWN), 3/4"C AND CONNECT TO CIRCUITS 1, 3 AND 5. USE SIZE #10 CONDUCTORS FOR ANY 20A-120V BRANCH CIRCUIT RUN OVER 100 FT. IN LENGTH. CONDUIT RUNS WITHOUT HASHMARKS SHALL INDICATE 2 #12 (PLUS GROUND), 3/4"C, U.O.N. ALL CONDUCTORS SHALL BE AWG SIZE #12 UNLESS OTHERWISE NOTED. WHERE SO NOTED, NUMBER DESIGNATED SHALL INDICATE THE AWG SIZE FOR CONDUCTORS TO BE USED. CONDUIT SIZE PER CONDUIT TABLE.	PROVIDE ALL CONDUIT RUNS WITH GREEN EQUIPMENT GROUNDING CONDUCTORS SIZED PER NEC TABLE 250-95. LONGER HASHMARK INDICATES NEUTRAL CONDUCTOR.
#10	CONDUIT SIZE TABLE FOR #12 CONDUCTORS (3/4"C MIN.): UP TO 6 #12 = 3/4"C; 7 #12 TO 9 #12 = 1"C; 10 #12 = 1-1/4"C	
#8	CONDUIT SIZE TABLE FOR #10, #8, #6 AND #4 CONDUCTORS (3/4"C MIN.): UP TO 5 #10 = 3/4"C; 6 #10 TO 9 #10 = 1"C	
#6	UP TO 3 #8 = 1"C; 4 #8 TO 5 #8 = 1-1/4"C	
#4	UP TO 2 #6 = 1"C; 3 #6 TO 4 #6 = 1-1/4"C; UP TO 3 #4 = 1-1/4"C; 4 #4 = 1-1/2"C	
W	"IN USE" WARNING SIGN, RECESSED WALL MOUNTED ABOVE DOOR U.O.N. WITH A 25W INC. LAMP.	C.W. COLE NO. S152 OR EQUAL.
S	DROP CORD DARK ROOM LIGHT FIXTURE WITH 15W LAMP AND RED FILTER - M.H. = 6"- 6" U.O.N.	KODAK NO. 1521178
	PUSHBUTTON STATION- "SQUARE D" CLASS 9001, TYPE KR-2R (RED)-H5 COMPLETE WITH KN-700 SERIES ENGRAVED LEGEND PLATE. OR APPROVED EQUAL. +4"-0"	ENGRAVE PLATE WITH RED LETTERS "EMERGENCY POWER OFF" COORDINATE LOCATION WITH BUILDING ELECTRICAL LIGHT SWITCHES
S	TOGGLE SWITCH, +48", SUBSCRIPT INDICATES THE FOLLOWING: a, b, c, ...etc.= NUMBER OF SWITCHES. 3 = THREE WAY, 4 = FOUR WAY, R = 3-POSITION SPDT MOMENTARY CONTACT, P = WITH PILOT LIGHT	
J	WALL MOUNTED JUNCTION BOX, +45" U.O.N.	PIGTAIL INDICATES CONNECTION TO EQUIPMENT AS REQUIRED
J	JUNCTION BOX IN ACCESSIBLE CEILING SPACE, U.O.N.	
	TELEPHONE OUTLET	INDICATION IS FOR INFORMATION ONLY. SEE BUILDING ELECTRICAL DRAWINGS FOR OUTLET TYPE AND CONDUIT SIZE.
	DATA OUTLET	

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Revisions

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North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

ELECTRICAL SYMBOLS

SCALE: NONE

Project No.		Drawing No.
19210.01	B BIDDING	LE0.01
Date 11 APR 91		

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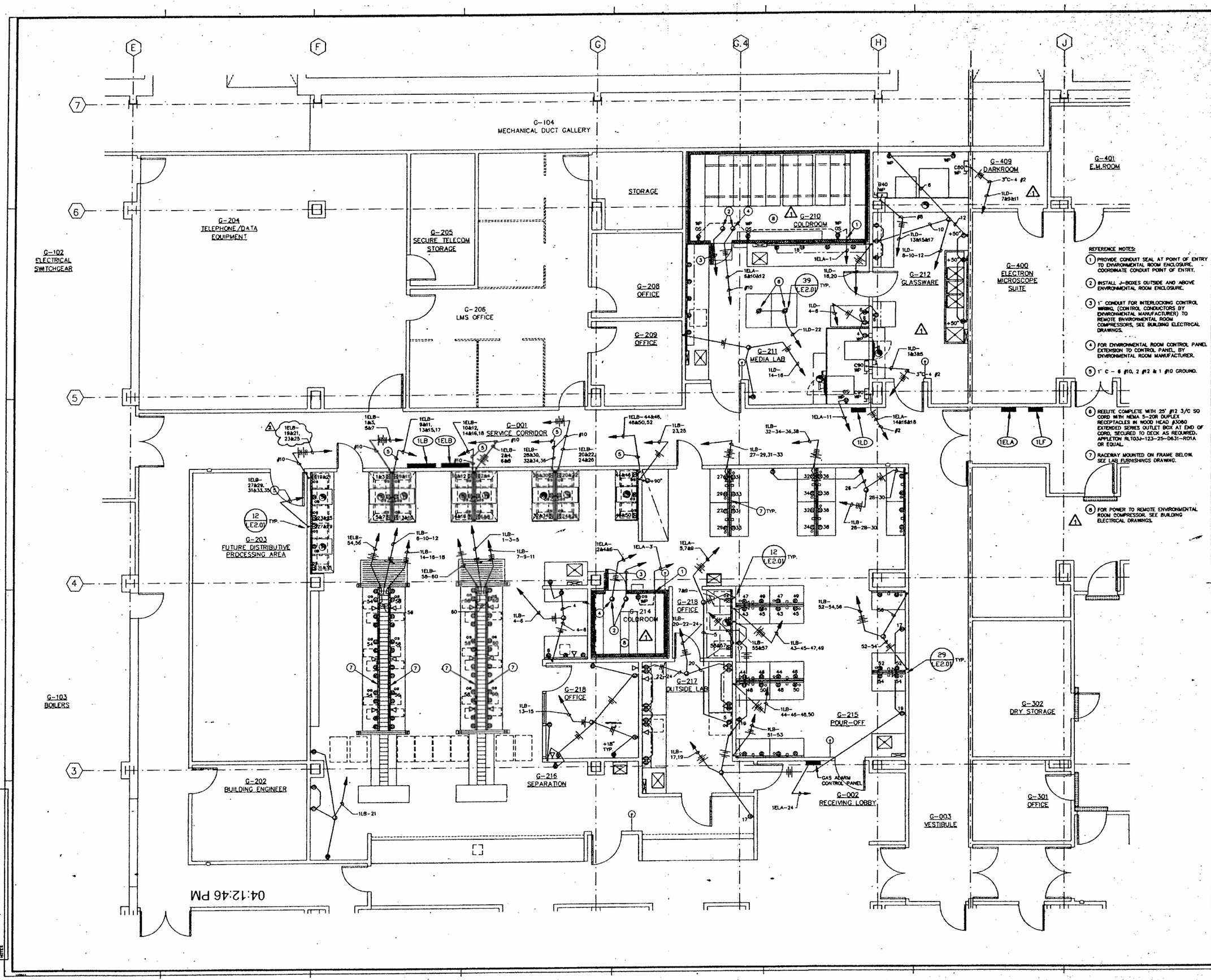

REFERENCE NOTES:

1. PROVIDE CONDUIT SEAL AT POINT OF ENTRY TO ENVIRONMENTAL ROOM ENCLOSURE. COORDINATE CONDUIT POINT OF ENTRY.
2. INSTALL J-BOXES OUTSIDE AND ABOVE ENVIRONMENTAL ROOM ENCLOSURE.
3. 1" CONDUIT FOR INTERLOCKING CONTROL WIRING, (CONTROL CONDUCTORS BY ENVIRONMENTAL MANUFACTURER) TO REMOTE ENVIRONMENTAL ROOM COMPRESSORS, SEE BUILDING ELECTRICAL DRAWINGS.
4. FOR ENVIRONMENTAL ROOM CONTROL PANEL EXTENSION TO CONTROL PANEL, BY ENVIRONMENTAL ROOM MANUFACTURER.
5. 1" C - 6 #10, 2 #12 & 1 #10 GROUND.
6. REELITE COMPLETE WITH 25' #12 3/C SO CORD WITH NEMA 5-20R DUPLEX RECEPTACLES IN WOOD HEAD #3060 EXTENDED SERIES OUTLET BOX AT END OF CORD, SECURED TO DECK AS REQUIRED. APPLETON RLT03J-123-25-D631-R01A OR EQUAL.
7. RACEWAY MOUNTED ON FRAME BELOW. SEE LAB FURNISHINGS DRAWING.
8. FOR POWER TO REMOTE ENVIRONMENTAL ROOM COMPRESSOR. SEE BUILDING ELECTRICAL DRAWINGS.

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1	ADDENDUM NO. 1	5-15-91
2	BULLETIN # 2	1-24-92

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Kaiser Permanente Medical Care Program
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LAB ELECTRICAL
GROUND FLOOR WEST

SCALE: 1/4"=1'-0"

Project No. 19210.01
Date 24 SEPT 90

Drawing No.
LE1.01

PROJECT NO. 19210.01

OVERLAY TITLE
SHT. TITLE
NOTES

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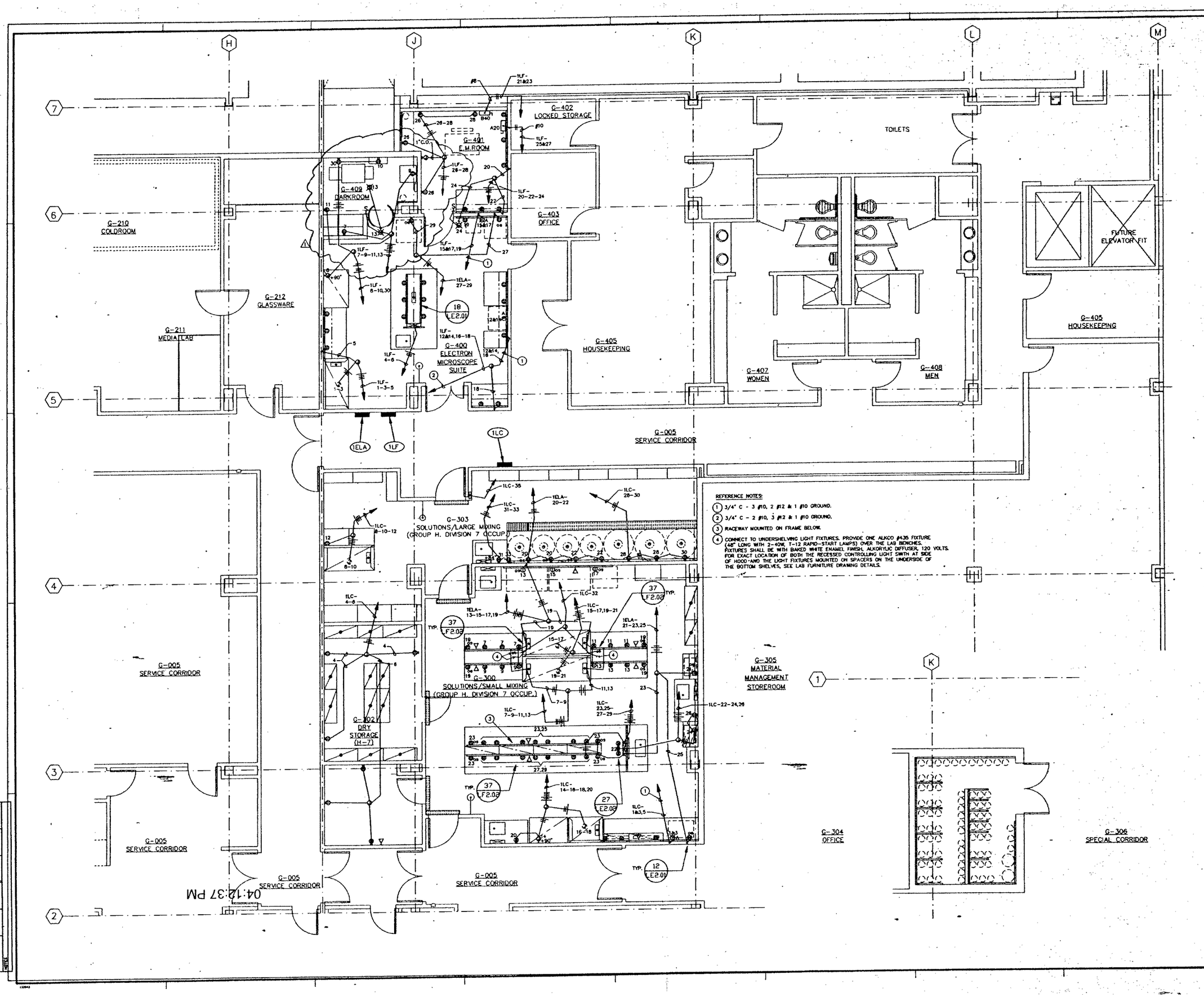

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Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

LAB ELECTRICAL
GROUND FLOOR EAST

SCALE: 1/4"=1'-0"

Project No. 1[illegible]01

Date 30 SEPT 90

Drawing No. LE1.02

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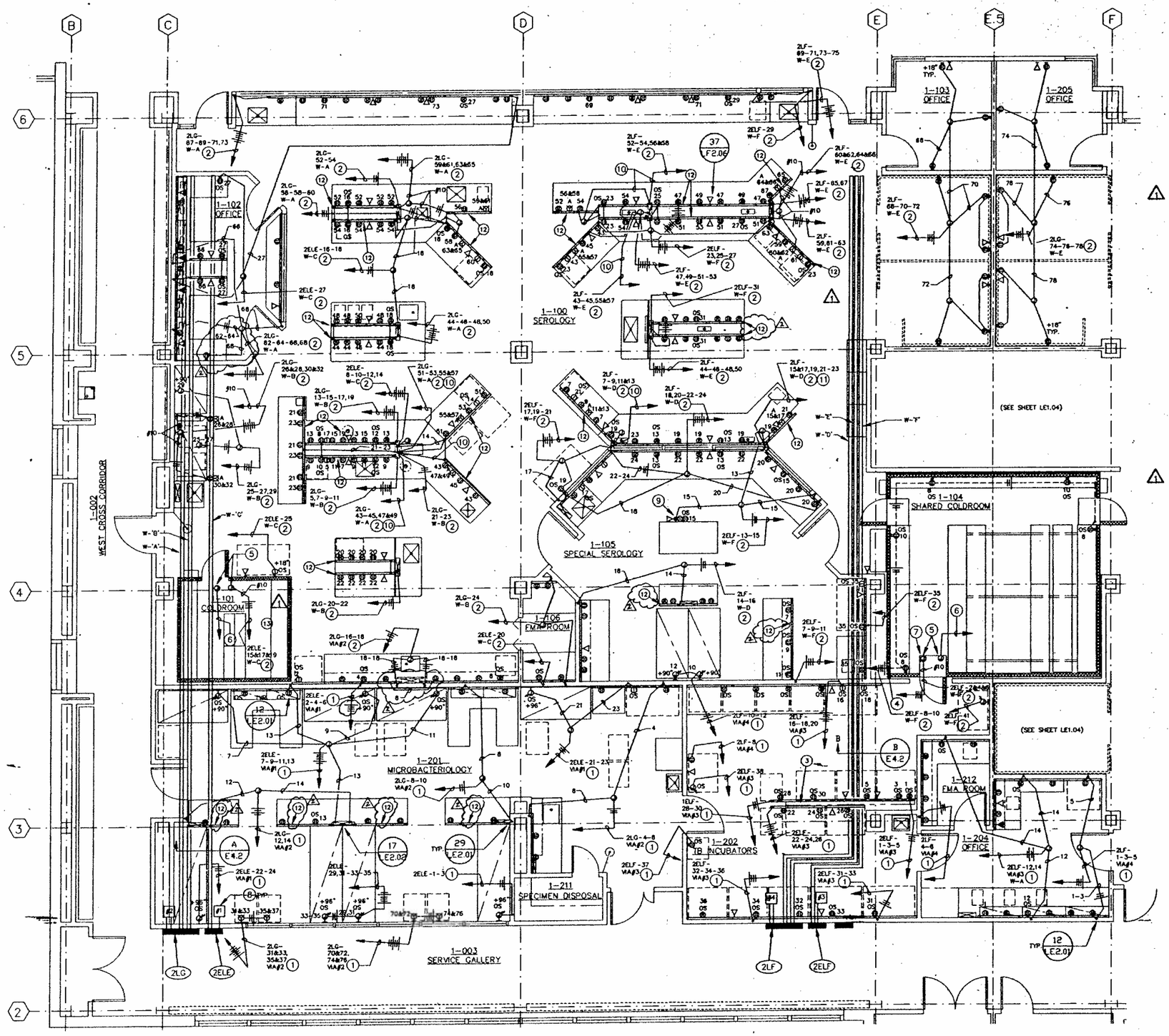

REFERENCE NOTES:

1. HOMERUN TO RESPECTIVE PANEL VIA RESPECTIVE PULL BOX AS BOTH INDICATED. RUN CONDUCTORS FROM PULL BOX TO PANEL IN THE 2" CONDUIT PROVIDED BETWEEN PULL BOX AND PANEL. ALL SIZE #12 AWG CONDUCTORS IN THE TWO INCH CONDUIT RUN FROM PULL BOX TO PANEL SHALL BE INCREASED TO SIZE #10 AWG.
2. HOMERUN TO RESPECTIVE WIREWAY AS INDICATED. 4"X4" WIREWAY TO BE LIMITED TO 30 #10 CURRENT CARRYING WIRES. (20% FILL AS PER NEC)
3. ON OVERHEAD SERVICE CARRIER. SEE LAB FURNISHING DRAWINGS.
4. PROVIDE CONDUIT SEAL AT POINT OF ENTRY TO ENVIRONMENTAL ROOM ENCLOSURE. COORDINATE CONDUIT POINT OF ENTRY.
5. INSTALL J-BOXES OUTSIDE AND ABOVE ENVIRONMENTAL ROOM ENCLOSURE.
6. 1" CONDUIT FOR INTERLOCKING CONTROL WIRING, (CONTROL CONDUCTORS BY ENVIRONMENTAL MANUFACTURER) TO REMOTE ENVIRONMENTAL ROOM COMPRESSORS. SEE BUILDING ELECTRICAL DRAWINGS.
7. FOR ENVIRONMENTAL ROOM CONTROL PANEL EXTENSION TO CONTROL PANEL, BY ENVIRONMENTAL ROOM MANUFACTURER.
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9. DOUBLE COMPARTMENT POWER POLE WITH POWER AND DATA COMPARTMENTS.
10. 1" C – 3 #10, 3 #12 & 1 #10 GROUND.
11. 1" C – 3 #10, 5 #12 & 1 #10 GROUND.
12. RACEWAY MOUNTED ON FRAME BELOW.
13. FOR POWER TO REMOTE ENVIRONMENTAL ROOM COMPRESSORS, SEE BUILDING ELECTRICAL DRAWINGS.

04:12:31 PM

SMP

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Revisions

No.		Date
1	ADDENDUM NO. 1	5-15-91
2	BULLETIN # 2	1-24-92

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

LAB ELECTRICAL
LAB LEVEL ONE WEST

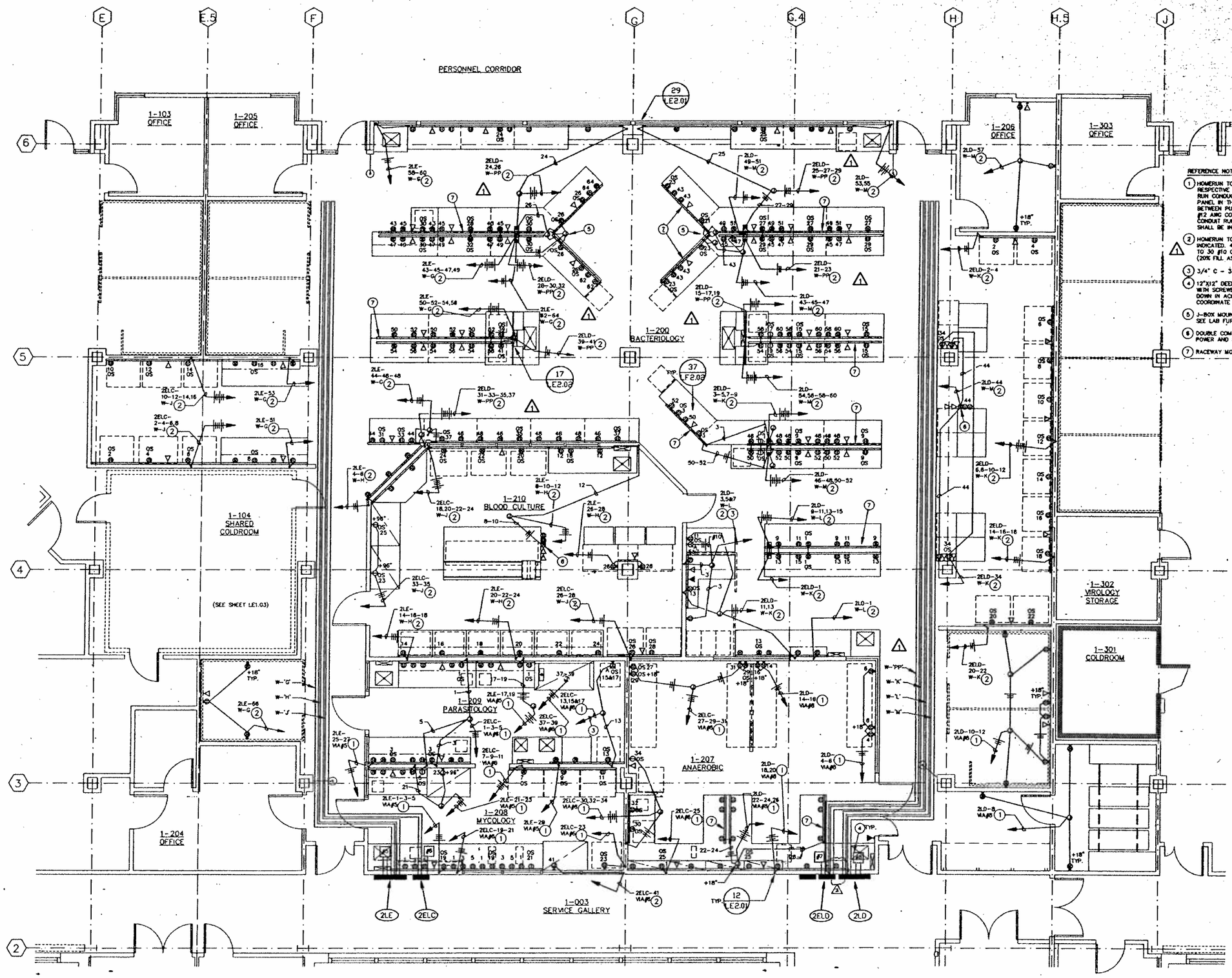
SCALE: 1/4"=1'-0"

Project No. 19210.01

Date 25 SEPT 90

Drawing No. LE1.03

000710



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7. RACEWAY MOUNTED ON FRAME BELOW.

SMP

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Regional Reference Laboratory
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North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

LAB ELECTRICAL
LAB LEVEL ONE CENTER

SCALE: 1/4"=1'-0"

Project No. 19210.01

Date 26 SEPT 1990

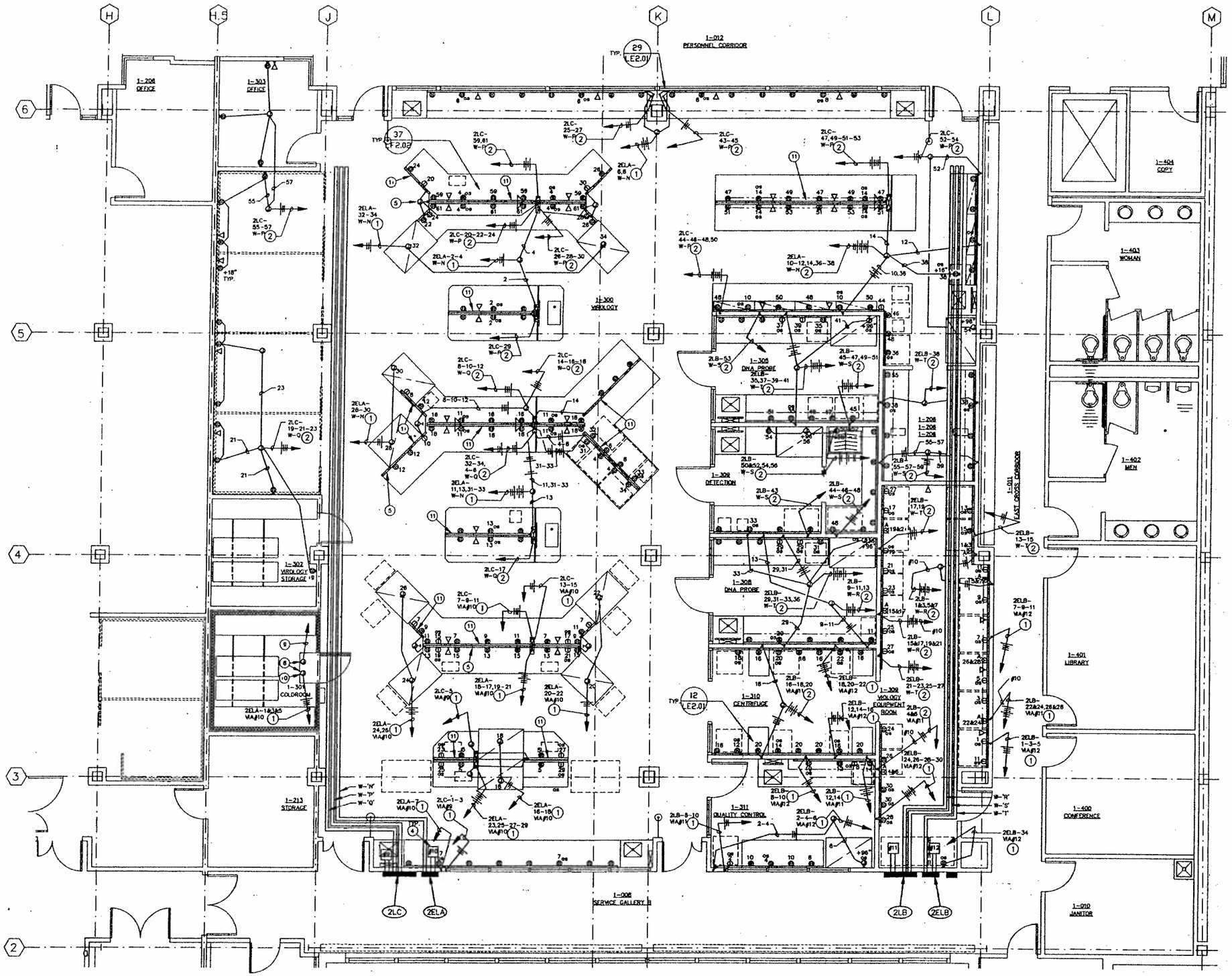
Drawing No. LE1.04

PROJECT NO. 19210.01

VERIFY TITLE

NO. | DWG. TITLE | NOTES

000711



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5. J-BOX MOUNTED ON FURNITURE FRAME. SEE LAB FURNISHING DRAWINGS.
6. RECEUTE COMPLETE WITH 25' #12 3/C SO CORD WITH NEMA 5-20R DUPLEX RECEPTACLES IN WOOD HEAD #30080 EXTENDED SERIES OUTLET BOX AT END OF CORD, SECURED TO DECK AS REQUIRED. APPLETON RLT03J-123-25-D631-R01A OR EQUAL.
7. PROVIDE CONDUIT SEAL AT POINT OF ENTRY TO ENVIRONMENTAL ROOM ENCLOSURE. COORDINATE CONDUIT POINT OF ENTRY.
8. INSTALL J-BOXES OUTSIDE AND ABOVE ENVIRONMENTAL ROOM ENCLOSURE.
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STATE OF CALIFORNIA

Revisions

No.	Date

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

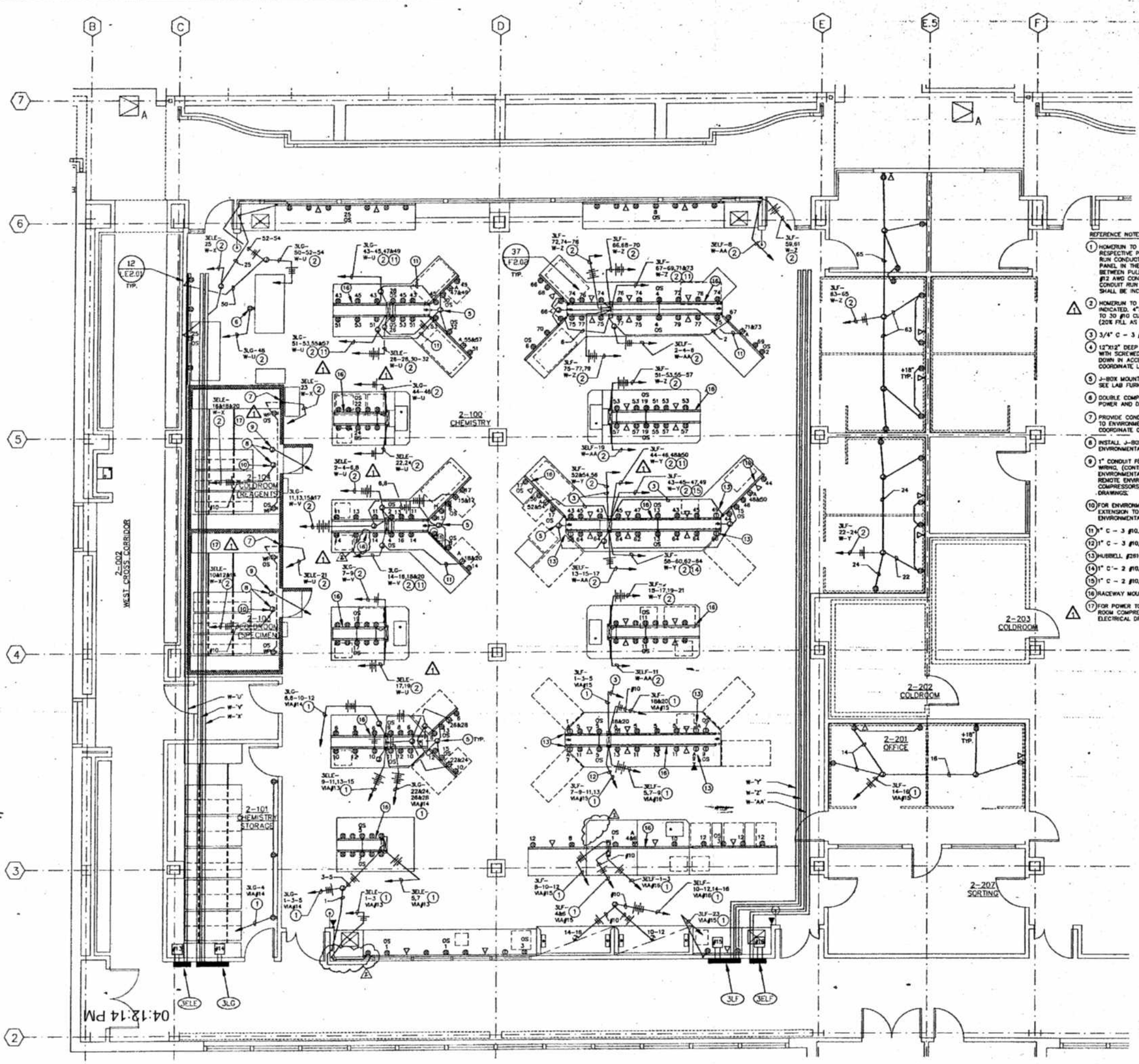
LAB ELECTRICAL
LAB LEVEL ONE EAST

SCALE: 1/8"=1'-0"

Project No.		Drawing No.
19210.01	B	LE1.05
Date 11 APR 91	BIDDING	

04:12:20 PM

000712



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11. 1" C – 3 #10, 3 #12 & 1 #10 GROUND.
12. 1" C – 3 #10, 4 #12 & 1 #10 GROUND.
13. HUBBELL #2810 30 AMP.
14. 1" C – 2 #10, 5 #12 & 1 #10 GROUND.
15. 1" C – 2 #10, 4 #12 & 1 #10 GROUND.
16. RACEWAY MOUNTED ON FRAME BELOW.
17. FOR POWER TO REMOTE ENVIRONMENTAL ROOM COMPRESSORS. SEE BUILDING ELECTRICAL DRAWINGS.

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STATE OF CALIFORNIA

Revisions

No.		Date
1	ADDENDUM NO. 1	5-15-91
2	BULLETIN #2	1-24-92

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

LAB ELECTRICAL
LAB LEVEL TWO WEST

SCALE: 1/4"=1'-0"

Project No. 18810.01

Date 26 SEPT 90

Drawing No. LE1.06

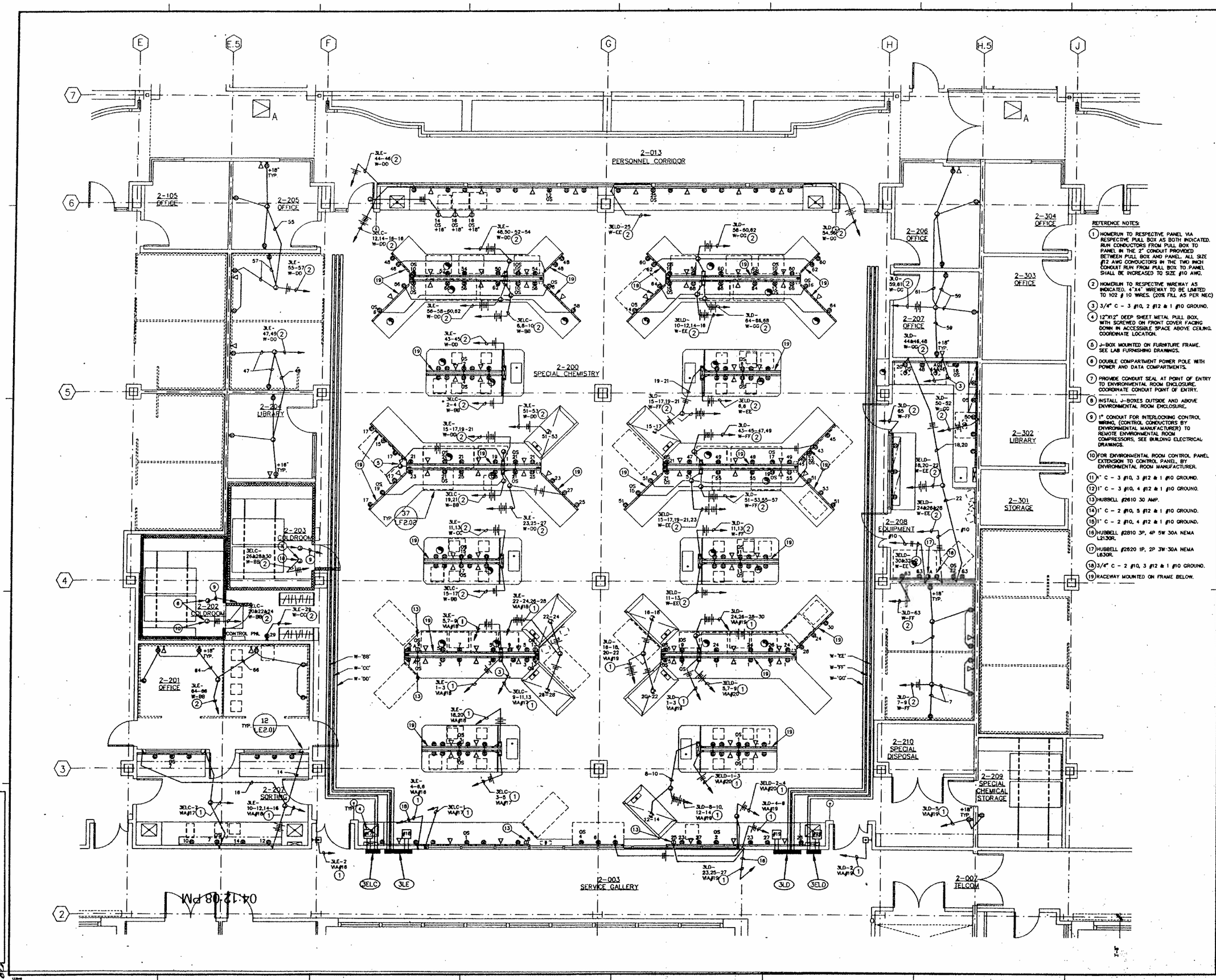
PROJECT NO. 18810.01

TRUE TITLE

REV. TITLE

NO. | DATE | WHEN

000713



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12. 1" C - 3 #10, 4 #12 & 1 #10 GROUND.
13. HUBBELL #2610 30 AMP.
14. 1" C - 2 #10, 5 #12 & 1 #10 GROUND.
15. 1" C - 2 #10, 4 #12 & 1 #10 GROUND.
16. HUBBELL #2810 3P, 4P 5W 30A NEMA L2130R.
17. HUBBELL #2620 1P, 2P 3W 30A NEMA L630R.
18. 3/4" C - 2 #10, 3 #12 & 1 #10 GROUND.
19. RACEWAY MOUNTED ON FRAME BELOW.

SMP

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Laboratory Mechanical Engineer

J. A. Gumban 1994

Laboratory Electrical Engineer

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ELECTRICAL
STATE OF CALIFORNIA

Revisions

No.		Date

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

LAB ELETRICAL
LAB LEVEL TWO CENTER

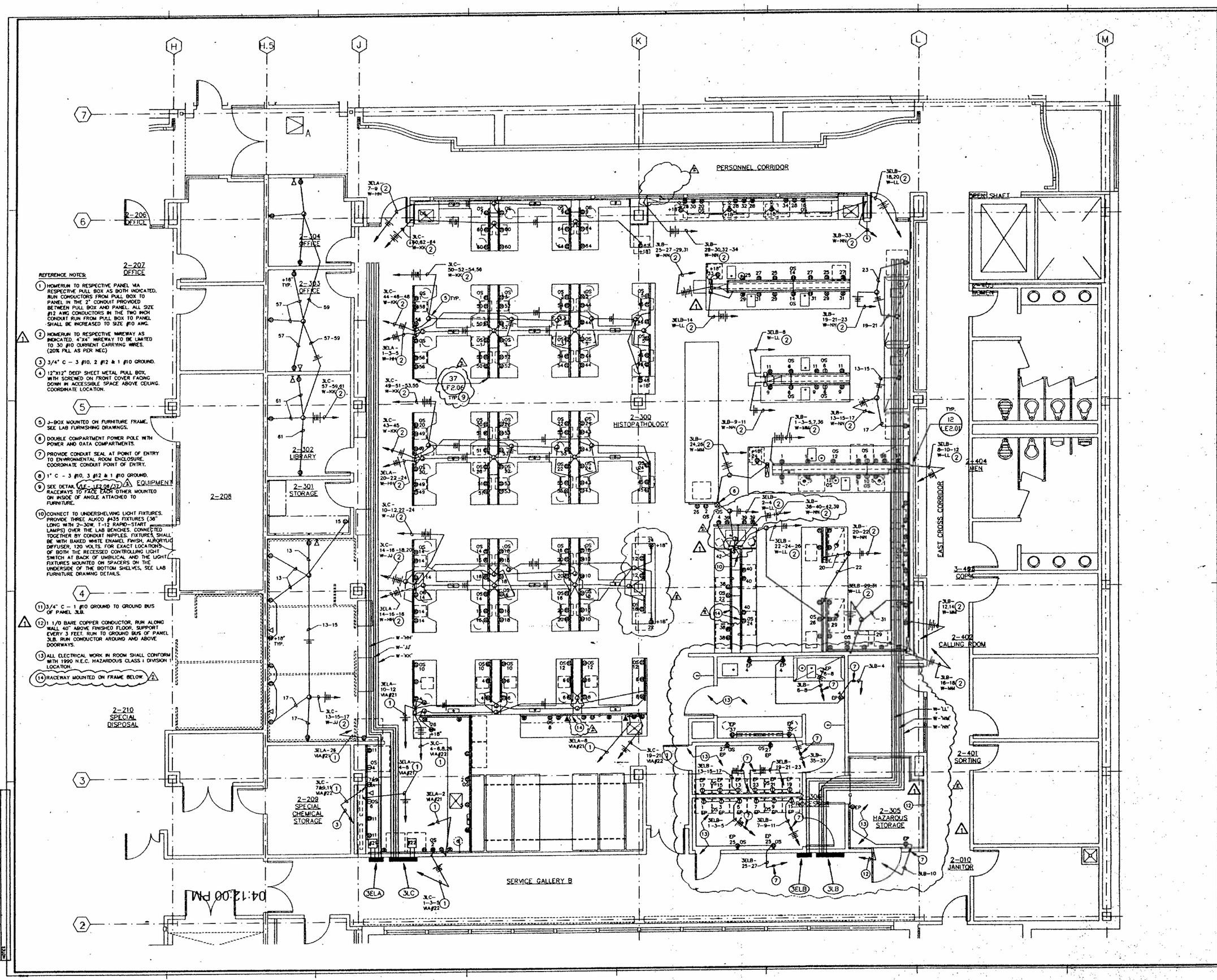
SCALE: 1/4"=1'-0"

Project No.		Drawing No.
19210.01	B	LE1.07
Date 11 APR 91	BIDDING	

PROJECT NO. 19210.01

DRAWING: C:\NITE\6954-E07 DATE: 4/10/1991

000714



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8. 1" C – 3 #10, 3 #12 & 1 #10 GROUND.
9. SEE DETAIL LE-LE2.08/37 EQUIPMENT RACEWAYS TO FACE EACH OTHER MOUNTED ON INSIDE OF ANGLE ATTACHED TO FURNITURE.
10. CONNECT TO UNDERSHELVING LIGHT FIXTURES. PROVIDE THREE ALKCO #435 FIXTURES (36" LONG WITH 2-30W, T-12 RAPID-START LAMPS) OVER THE LAB BENCHES. CONNECTED TOGETHER BY CONDUIT NIPPLES. FIXTURES SHALL BE WITH BAKED WHITE ENAMEL FINISH, ALNORYLIC DIFFUSER, 120 VOLTS. FOR EXACT LOCATIONS OF BOTH THE RECESSED CONTROLLING LIGHT SWITCH AT BACK OF UMBILICAL AND THE LIGHT FIXTURES MOUNTED ON SPACERS ON THE UNDERSIDE OF THE BOTTOM SHELVES, SEE LAB FURNITURE DRAWING DETAILS.
11. 3/4" C – 1 #10 GROUND TO GROUND BUS OF PANEL 3LB.
12. 1 1/0 BARE COPPER CONDUCTOR, RUN ALONG WALL 40" ABOVE FINISHED FLOOR, SUPPORT EVERY 3 FEET. RUN TO GROUND BUS OF PANEL 3LB. RUN CONDUCTOR AROUND AND ABOVE DOORWAYS.
13. ALL ELECTRICAL WORK IN ROOM SHALL CONFORM WITH 1990 N.E.C. HAZARDOUS CLASS I DIVISION 1 LOCATION.
14. RACEWAY MOUNTED ON FRAME BELOW.

SMP

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Kaiser Permanente Medical Care Program
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LAB ELECTRICAL
LAB LEVEL TWO EAST

SCALE: 1/4"=1'-0"

Project No. 19210.01

Date 20 NOV 90

Drawing No. LE1.08

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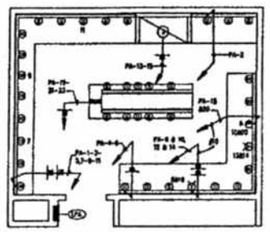
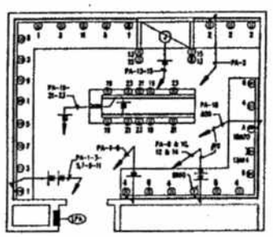


PLAN "A"
NO SCALE



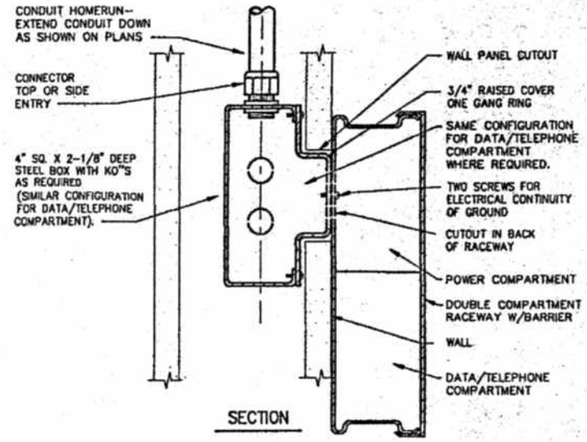
PLAN "B"
NO SCALE

BASIC CIRCUITING METHODS

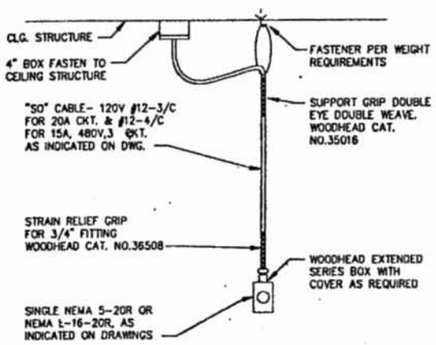
RECEPTACLES IN RACEWAYS SHALL BE AS FOLLOWS:

1. UNLESS OTHERWISE NOTED, NEMA 5-20R RECEPTACLES IN RACEWAYS ARE GENERAL PURPOSE RECEPTACLES. GENERALLY, NO MORE THAN FOUR GENERAL PURPOSE RECEPTACLES ARE CONNECTED TO A 20 AMPERE, 120 VOLT CIRCUIT. GENERAL PURPOSE RECEPTACLES SHALL BE WIRED AND CIRCUITED AS FOLLOWS.
   A. FOR A SINGLE 20 AMPERE, 120 VOLT CIRCUIT HOMERUN ASSIGNED TO A RACEWAY, RECEPTACLES IN THE RACEWAY SHALL BE WIRED TO THAT CIRCUIT.
   B. FOR MULTIPLE 20 AMPERE, 120 VOLT CIRCUIT HOMERUN ASSIGNED TO A RACEWAY, GENERAL PURPOSE RECEPTACLES SHALL BE WIRED ALTERNATELY IN ACCORDANCE WITH THE NUMBER OF ASSIGNED CIRCUITS (EXAMPLE: FOR TWO ASSIGNED CIRCUITS 1-3, RECEPTACLES SHALL BE WIRED AS 1, 3, 1, 3, 1, 3, 1, ETC. FOR THREE ASSIGNED CIRCUITS 1-3-5, RECEPTACLES SHALL BE WIRED AS 1, 3, 5, 1-3-5, 1, 3, ETC..) SEE PANEL SCHEDULES FOR CIRCUIT DESIGNATIONS.
2. NEMA 5-20R RECEPTACLES ON DEDICATED CIRCUITS ARE EACH DESIGNATED WITH THEIR ASSIGNED CIRCUITS.
3. 208 VOLT, 120/208 VOLT AND 480 VOLT RECEPTACLES ARE EACH DESIGNATED WITH THEIR ASSIGNED CIRCUITS.
4. WHERE STANDARD CHEMICAL HOODS, WITH TWO DUPLEX RECEPTACLES AT EACH SIDE OF THE HOOD, ARE ASSIGNED WITH TWO CIRCUITS, RECEPTACLES SHALL BE WIRED ALTERNATELY FOR THE TWO ASSIGNED CIRCUITS.
5. SEE ILLUSTRATIVE PLANS "A" AND "B". PLAN "A" ILLUSTRATE ACTUAL POWER LAYOUT AS SHOWN ON FLOOR PLANS. PLAN "B" ILLUSTRATES ACTUAL CIRCUITING THE CONTRACTOR HAS TO EXECUTE.

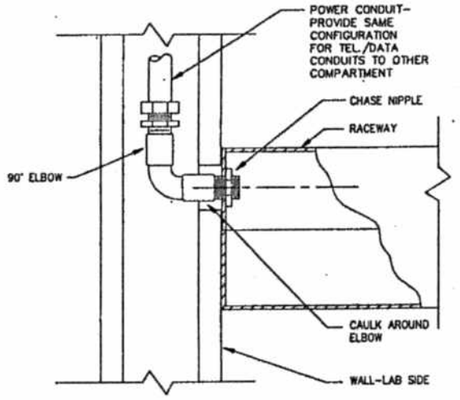
37 BASIC CIRCUITING METHOD ILLUSTRATION DETAILS



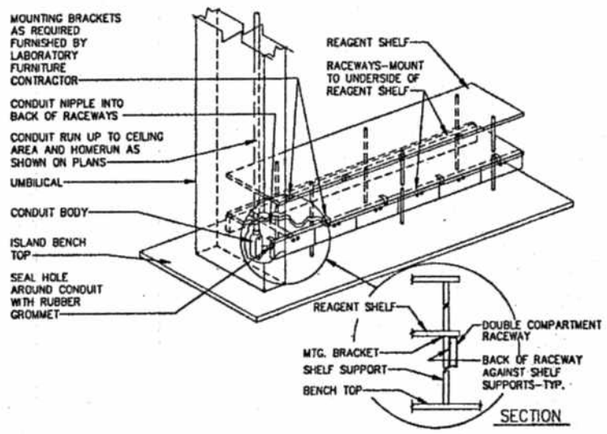
12 RACEWAY ENTRY FROM WALL



39 CEILING MOUNTED RECEPTACLE



29 WALL ENTRY TO END OF RACEWAY



18 RACEWAY FEED AT ISLAND BENCH

04:11:54 PM

SMP

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No. | Date

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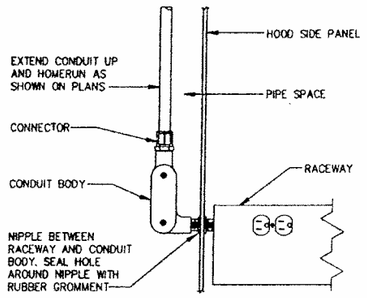
Kaiser Permanente Medical Care Program
Southern California Region

ELECTRICAL DETAILS

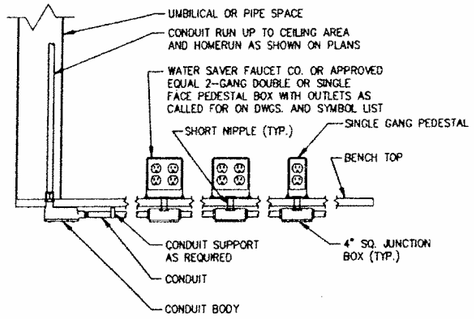
SCALE: NONE

Project No. 19210.01
Date 11 APR 91
B BIDDING
Drawing No. LE2.01

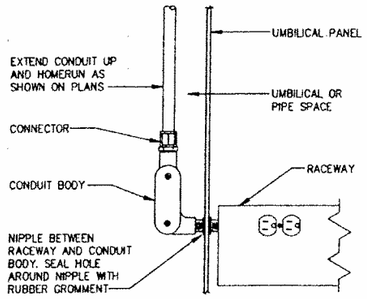
000716



37 WALL MOUNTED RACEWAY ENTRY FROM BACK OF HOOD



27 BENCH MOUNTED PEDESTAL DETAIL



17 WALL MOUNTED RACEWAY ENTRY FROM UMBILICAL OR PIPE SPACE

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No.		Date

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Southern California Region

ELECTRICAL DETAILS

SCALE: NONE

Project No.		Drawing No.
19210.01	B BIDDING	LE2.02
Date 11 APR 91		

000717

LAB PLUMBING SYMBOLS, ABBREVIATIONS & GENERAL NOTES

ABBREVIATIONS

ABV.	ABOVE
A.D.	ACCESS DOOR
&	AND
@	AT
ALUM.	ALUMINUM
A.F.C.	ABOVE FINISHED CEILING
A.F.F.	ABOVE FINISHED FLOOR
BEL	BELOW
BFC	BELOW FINISHED CEILING
BF	BELOW FLOOR
BG	BELOW GRADE
BLDG.	BUILDING
CAB./CABT.	CABINET
CFH	CUBIC FEET PER HOUR
C.F.C.I.	CONTRACTOR FURNISHED CONTRACTOR INSTALLED
°C	DEGREES CENTIGRADE
℄	CENTER LINE
CLG	CEILING
COL	COLUMN
CONN.	CONNECT OR CONNECTION
CONT.	CONTINUOUS (UATION)
CONTR.	CONTRACTOR
CTR.	COUNTER
DET	DETAIL
DIA	DIAMETER
DIM	DIMENSION
DN.	DOWN OR DROP
DWG.	DRAWING
EA.	EACH
E./E.C.	ELECTRICAL CONTRACTOR
EL./ELEV	ELEVATION
ELECT	ELECTRICAL
EQ.	EQUAL
EQUIP	EQUIPMENT
EW	EYEWASH
EXIST.	EXISTING
EXT	EXTENSION
°F	DEGREES FAHRENHEIT
F.F./FIN.FL	FINISHED FLOOR
FD	FLOOR DRAIN
FIN.	FINISH
FL./FLR.	FLOOR
F.EX.	FIRE EXTINGUISHER
FH	FUME HOOD
GA	GAUGE
G.C.	GENERAL CONTRACTOR
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
HT/HTG	HEIGHT
I.D.	INSIDE DIMENSION
INSUL	INSULATION
LAB.	LABORATORY
L.F.C.	LAB FURNISHINGS CONTRACTOR
L.P.C.	LAB PLUMBING CONTRACTOR
LT	LIGHT
MAX.	MAXIMUM
M./M.C.	MECHANICAL CONTRACTOR
MECH.	MECHANICAL
MRF.	MANUFACTURER
MIN	MINIMUM
MOD.	MODIFIED
MTD.	MOUNTED
NO.	NUMBER
N.T.S.	NOT TO SCALE
N.I.C.	NOT IN CONTRACT
NOM.	NOMINAL
O.C.	ON CENTER
O.D.	OUTSIDE DIMENSION
O.F.C.I.	OWNER FURNISHED, CONTRACTOR INSTALLED
O.F.O.I.	OWNER FURNISHED, OWNER INSTALLED
O.H.	OVERHEAD
OHS.	OVERHEAD SERVICE
OPNG.	OPENING
OPP.	OPPOSITE
PLBG.	PLUMBING
POC.	POINT OF CONTINUATION OR CONNECTION
PSIG	POUNDS PER SQUARE INCH GAUGE
PVC.	POLYVINYLCHLORIDE
QD.	QUICK DISCONNECT
REQ'D	REQUIRED
R	RISE OR RISER
RM.	ROOM
SCHED.	SCHEDULE
SECT.	SECTION
SIM	SIMILAR
S.O.V.	SHUT-OFF VALVE
SPEC.	SPECIFICATION
SQ.FT.	SQUARE FEET
ST.STL	STAINLESS STEEL
STL	STEEL
SUSP.	SUSPENDED
STD	STANDARD
TEMP.	TEMPERATURE
TYP	TYPICAL
U.C.	UNDER COUNTER
UG.	UNDERGROUND
U.O.N.	UNLESS OTHERWISE NOTED
VERT	VERTICAL
VTR	VENT THROUGH ROOF
W. OR W/	WITH
W/O	WITHOUT

PIPING SYSTEMS

— A —	COMPRESSED AIR (100 PSIG)
— AR —	ARGON
— CO_2 —	CARBON DIOXIDE
— — —	COLD WATER
— DW —	DEIONIZED WATER SYPPLY
— DWR —	DEIONIZED WATER RETURN
— DWB —	BACK-UP DEIONIZED WATER SUPPLY
— DWBR —	BACK-UP DEIONIZED WATER RETURN
— G —	GAS
— H —	HYDROGEN
— HE —	HELIUM
— ICW —	INDUSTRIAL COLD WATER
— IHW —	INDUSTRIAL HOT WATER SUPPLY
— LV —	LABORATORY VACUUM (26" HG)
— LW —	LAB WASTE
— LWD —	LAB WASTE DUMP (TO HOLDING TANK)
— CH_4 —	METHANE
— N —	NITROGEN
— O_2 —	OXYGEN
— SDI —	SPECIAL DEIONIZED WATER SUPPLY
— SDIR —	SPECIAL DEIONIZED WATER RETURN
— SG —	SPECIAL GAS
— TW —	TEMPERED WATER
— — — V — — —	LAB VENT

PIPING SYMBOLS

SYMBOL	DESCRIPTION
	BALL VALVE
	GATE VALVE
	GLOBE VALVE
	PLUG VALVE
	SWING CHECK VALVE
	SPRING OR SILENT CHECK VALVE
	PRESSURE REDUCING VALVE OR REGULATOR
	SOLENOID VALVE
	RELIEF VALVE/PRESS.-TEMP RELIEF VALVE
CO	WALL CLEANOUT
FD	FLOOR DRAIN
FS	FLOOR SINK
FLD	FUNNEL DRAIN
SS	SAFETY SHOWER
SS & EW	SAFETY SHOWER & EYEWASH
BFP	BACKFLOW PREVENTER
	MANUAL AIR VENT
	AUTOMATIC AIR VENT
	VACUUM BREAKER
	WATER HAMMER ARRESTOR
	THERMOMETER
	PRESSURE GAUGE
	PIPELINE STRAINER
	UNION
	POINT OF CONNECTION OR CONTINUATION
	ACTIVE DRAIN STUB-UP
	PLUGGED DRAIN STUB-UP (FOR FUTURE CONNECTION)
	CUPSINK
	LAB SINK - ST. STL.
	LAB SINK - EPOXY
	CHEMICAL FUME HOOD (WITH CUPSINK)
	CHEMICAL FUME HOOD (WITHOUT CUPSINK)
	UMBILICAL - (PIPE ENCLOSURE)
	PIPING UNDERNEATH

GENERAL NOTES

1. PLUMBING CONTRACTOR, DIVISION 15, SHALL CAREFULLY EXAMINE THE LABORATORY PLUMBING DRAWINGS AND SPECIFICATIONS AND ALL OTHER DRAWINGS AND SPECIFICATIONS TO PROPERLY DETERMINE CONTRACTUAL RESPONSIBILITIES.
2. LAB FURNISHINGS CONTRACTOR, DIVISION 11, SHALL FURNISH AND INSTALL ALL LAB FITTINGS. THE DIVISION 15 CONTRACTOR, PLUMBING CONTRACTOR SHALL MAKE FINAL CONNECTIONS TO THE LAB FITTINGS.
3. FOR PLUMBING SERVICE FITTING TYPES, LOCATION AND INSTALLATION ARRANGEMENT, REFER TO LABORATORY FURNISHINGS FLOOR PLANS AND DETAILS. THE SERVICE FITTING INDENTIFICATION NUMBERS ON THE LAB FURNISHINGS FLOOR PLANS REFER TO SERVICE FITTING DETAILS SHOWN ON LAB FURNISHINGS DRAWINGS.
4. LOCATION AND SUPPORT OF LAB PIPING SHALL BE CAREFULLY COORDINATED WITH LAB EQUIPMENT, OVERHEAD SERVICE CARRIERS, UMBILICAL ENCLOSURES, BUILDING STRUCTURAL ELEMENTS, DUCTWORK, LIGHTING, CONDUITS OR BUSDUCT.
5. FOR FUME HOOD PRE-PLUMBING, REFER TO LAB FURNISHINGS FLOOR PLANS AND DETAILS.
6. FOR LOCATION OF UMBILICAL AND OTHER CEILING PENETRATIONS, REFER TO LAB FURNISHINGS PLANS AND ARCHITECTURAL REFLECTED CEILING PLANS.
7. ALL LAB SINKS AND CUPSINKS SHALL BE FURNISHED AND INSTALLED BY THE LAB FURNISHINGS CONTRACTOR, DIVISION 11.
8. FOR TYPICAL PIPE ROUTING BELOW BENCHES, REFER TO DETAILS. THE QUANTITY AND TYPE OF PIPES WILL VARY WITH THE NUMBER OF SINKS AND FITTINGS. THE PIPE ARRANGEMENT ORDER SHALL BE FOLLOWED.
9. FLOOR DRAINS SHOWN ON LABORATORY PLANS ARE FOR LOCATION AND REFERENCE ONLY. REFER TO PLUMBING PLANS AND SPECIFICATIONS FOR FLOOR DRAINS AND WASTE PIPING THROUGH THE FLOOR.
10. CONNECTIONS TO BUILDING WASTE AND VENT SHALL BE MADE IN THE LABS AS INDICATED ON THE FLOOR PLANS.
11. SAFETY SHOWERS SHALL BE PROVIDED UNDER DIVISION 11 AND INSTALLED UNDER DIVISION 15. THEY SHALL BE CONNECTED TO POTABLE WATER ONLY. REFER TO LAB FURNISHINGS DRAWINGS FOR INSTALLATION DETAILS.
12. PIPE SUPPORTS AND PIPE TRANSITIONS OR REDUCERS SHALL BE FURNISHED AND INSTALLED BY THE LAB PLUMBING CONTRACTOR FOR ALL PIPING ON LABORATORY PLUMBING PLANS.
13. TEST ALL VALVES, SERVICE FITTINGS AND EMERGENCY EYEBATHS TO BE SURE THEY OPERATE CORRECTLY. REPORT ANY DEFECTIVE VALVES OR FITTINGS TO THE LAB FURNISHINGS CONTRACTOR.
14. INSULATE ALL HOT WATER, CHILLED WATER AND STEAM PIPING IN ACCORDANCE WITH DIVISION 15 SPECIFICATIONS.
15. CONFORM TO ALL APPLICABLE CITY, COUNTY, STATE, FEDERAL AND HEALTH AUTHORITY CODES.
16. CAULK AND SEAL ALL WALL PENETRATIONS.
17. ALL CYLINDERS, MANIFOLDS AND REGULATORS ARE FOR REFERENCE ONLY. THEY ARE TO BE O.F.O.I.
18. WATER HAMMER ARRESTORS SHALL BE INSTALLED, WHERE SHOWN, PER PLUMBING DRAINAGE INSTITUTE STANDARDS. THEY SHALL HAVE BRASS BASES.
19. PAINTING OF PIPING AND PIPING SUPPORTS SHALL BE INCLUDED UNDER DIVISION 9. COLOR TO BE SELECTED BY THE ARCHITECT.
20. CLEANOUT ACCESS LOCATIONS SHALL BE COORDINATED WITH LAB FURNITURE CABINETS.

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Revisions

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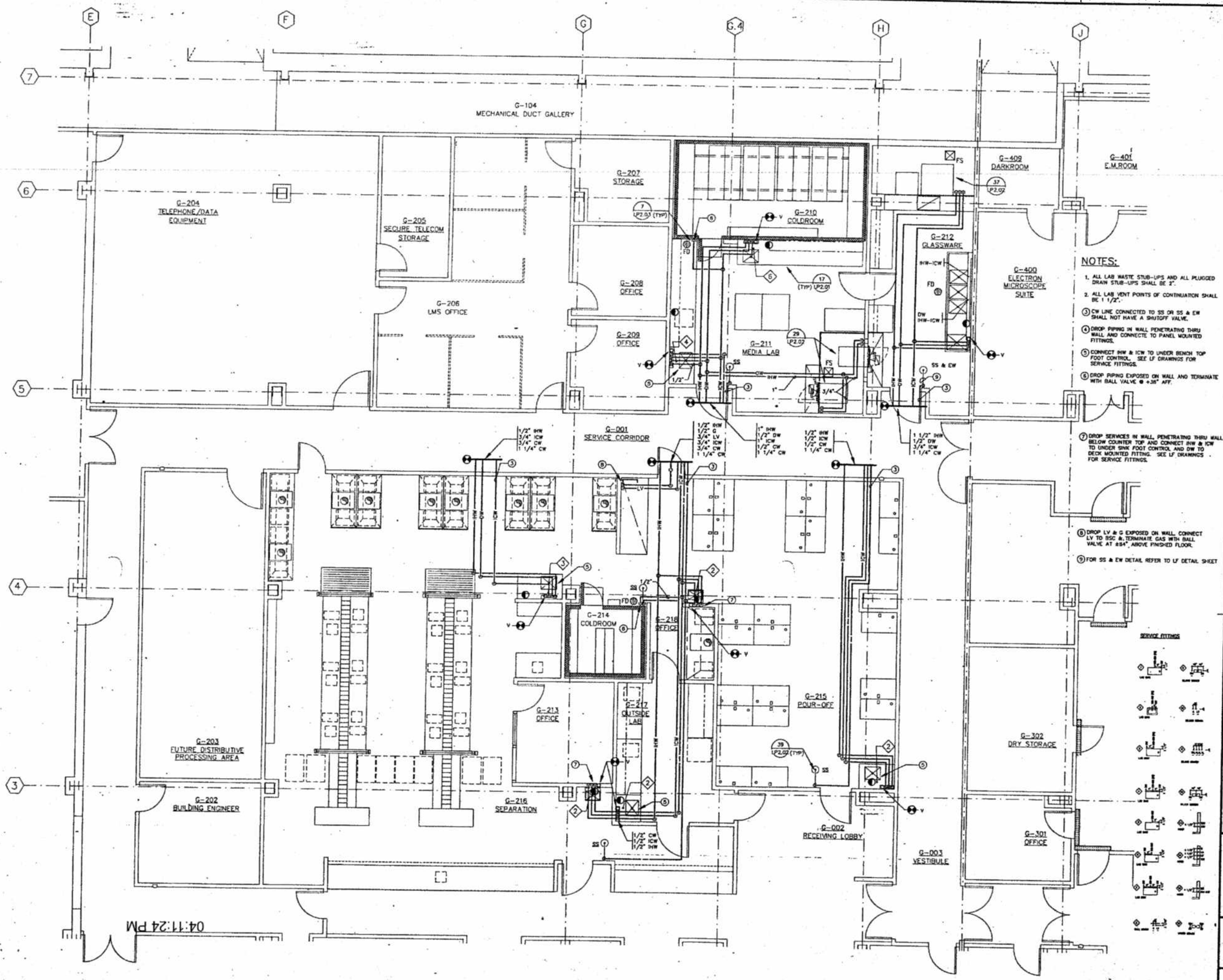
North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

LAB PLUMBING SYMBOLS, ABBREV & GENERAL NOTES
SCALE: NONE

Project No.		Drawing No.
19210.01	B	LP0.01
Date 11 APR 91	BIDDING	



NOTES:

1. ALL LAB WASTE STUB-UPS AND ALL PLUGGED DRAIN STUB-UPS SHALL BE 2".
2. ALL LAB VENT POINTS OF CONTINUATION SHALL BE 1 1/2".
3. CW LINE CONNECTED TO SS OR SS & EW SHALL NOT HAVE A SHUTOFF VALVE.
4. DROP PIPING IN WALL PENETRATING THRU WALL AND CONNECTE TO PANEL MOUNTED FITTINGS.
5. CONNECT IHW & ICW TO UNDER BENCH TOP FOOT CONTROL. SEE LF DRAWINGS FOR SERVICE FITTINGS.
6. DROP PIPING EXPOSED ON WALL AND TERMINATE WITH BALL VALVE @ +36" AFF.
7. DROP SERVICES IN WALL, PENETRATING THRU WALL BELOW COUNTER TOP AND CONNECT IHW & ICW TO UNDER SINK FOOT CONTROL AND DW TO DECK MOUNTED FITTING. SEE LF DRAWINGS FOR SERVICE FITTINGS.
8. DROP LV & G EXPOSED ON WALL, CONNECT LV TO BSC &, TERMINATE GAS WITH BALL VALVE AT ±84" ABOVE FINISHED FLOOR.
9. FOR SS & EW DETAIL REFER TO LF DETAIL SHEET

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Revisions

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Kaiser Permanente Medical Care Program
Southern California Region

LAB PLUMBING
GROUND FLOOR WEST

SCALE: 1/4"=1'-0"

Project No.		Drawing No.
19210.01	B	LP1.01
Date 11 APR 91	BIDDING	

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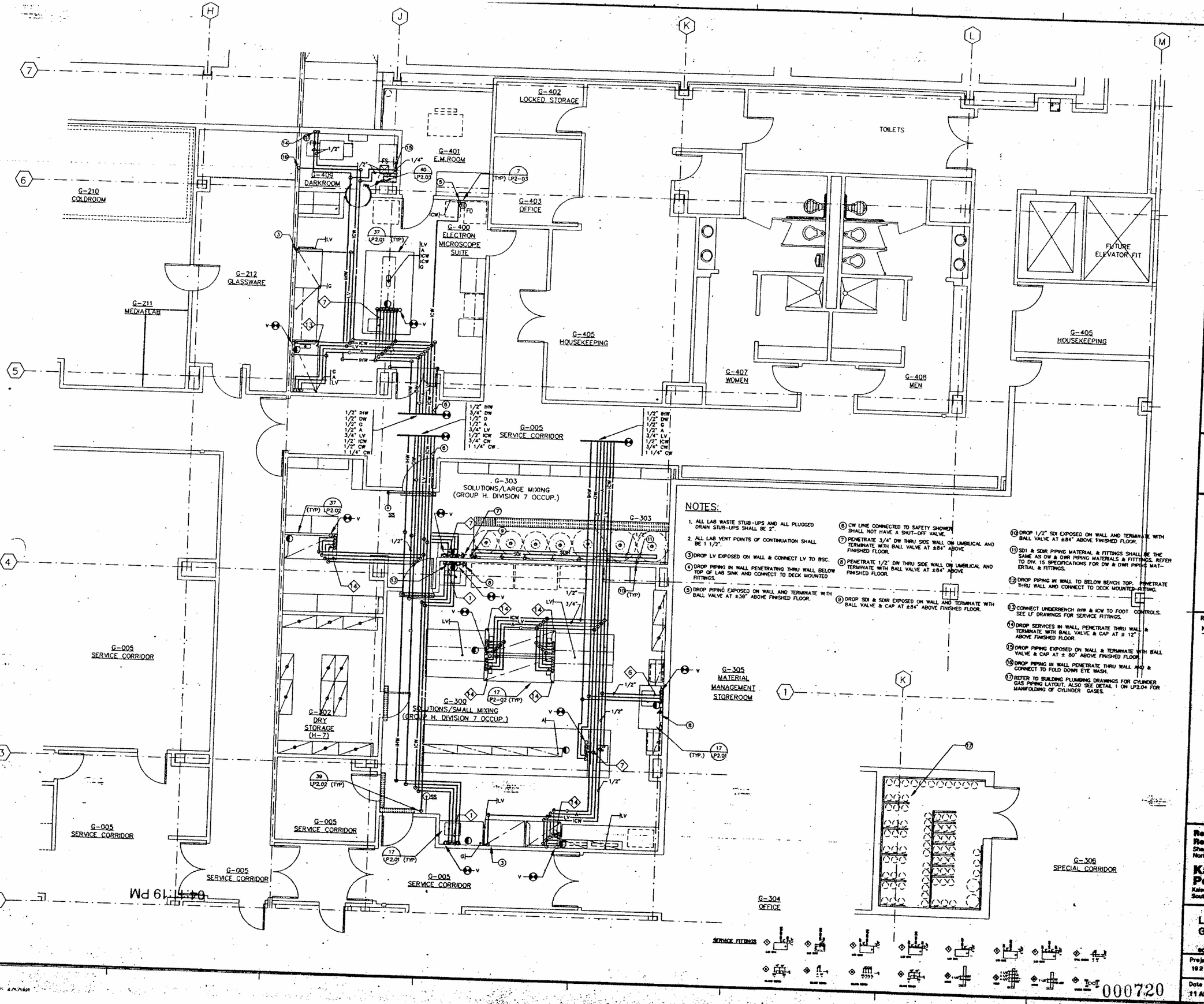
DRAWING: C:\NITE\8954-P01 DATE: 4/5/1991



NOTES:

1. ALL LAB WASTE STUB-UPS AND ALL PLUGGED DRAIN STUB-UPS SHALL BE 2".
2. ALL LAB VENT POINTS OF CONTINUATION SHALL BE 1 1/2".
3. DROP LV EXPOSED ON WALL & CONNECT LV TO BSC.
4. DROP PIPING IN WALL PENETRATING THRU WALL BELOW TOP OF LAB SINK AND CONNECT TO DECK MOUNTED FITTINGS.
5. DROP PIPING EXPOSED ON WALL AND TERMINATE WITH BALL VALVE AT ±36" ABOVE FINISHED FLOOR.
6. CW LINE CONNECTED TO SAFETY SHOWER SHALL NOT HAVE A SHUT-OFF VALVE.
7. PENETRATE 3/4" DW THRU SIDE WALL ON UMBILICAL AND TERMINATE WITH BALL VALVE AT ±84" ABOVE FINISHED FLOOR.
8. PENETRATE 1/2" DW THRU SIDE WALL ON UMBILICAL AND TERMINATE WITH BALL VALVE AT ±84" ABOVE FINISHED FLOOR.
9. DROP SDI & SDIR EXPOSED ON WALL AND TERMINATE WITH BALL VALVE & CAP AT ±84" ABOVE FINISHED FLOOR.
10. DROP 1/2" SDI EXPOSED ON WALL AND TERMINATE WITH BALL VALVE AT ±84" ABOVE FINISHED FLOOR.
11. SDI & SDIR PIPING MATERIAL & FITTINGS SHALL BE THE SAME AS DW & DWR PIPING MATERIALS & FITTINGS. REFER TO DIV. 15 SPECIFICATIONS FOR DW & DWR PIPING MATERTIAL & FITTINGS.
12. DROP PIPING IN WALL TO BELOW BENCH TOP. PENETRATE THRU WALL AND CONNECT TO DECK MOUNTED FITTING.
13. CONNECT UNDERBENCH IHW & ICW TO FOOT CONTROLS. SEE LF DRAWINGS FOR SERVICE FITTINGS.
14. DROP SERVICES IN WALL, PENETRATE THRU WALL & TERMINATE WITH BALL VALVE & CAP AT ± 12" ABOVE FINISHED FLOOR.
15. DROP PIPING EXPOSED ON WALL & TERMINATE WITH BALL VALVE & CAP AT ± 80" ABOVE FINISHED FLOOR.
16. DROP PIPING IN WALL PENETRATE THRU WALL AND & CONNECT TO FOLD DOWN EYE WASH.
17. REFER TO BUILDING PLUMBING DRAWINGS FOR CYLINDER GAS PIPING LAYOUT. ALSO SEE DETAIL 1 ON LP2.04 FOR MANIFOLDING OF CYLINDER GASES.

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Revisions

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Regional Reference Laboratory
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North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
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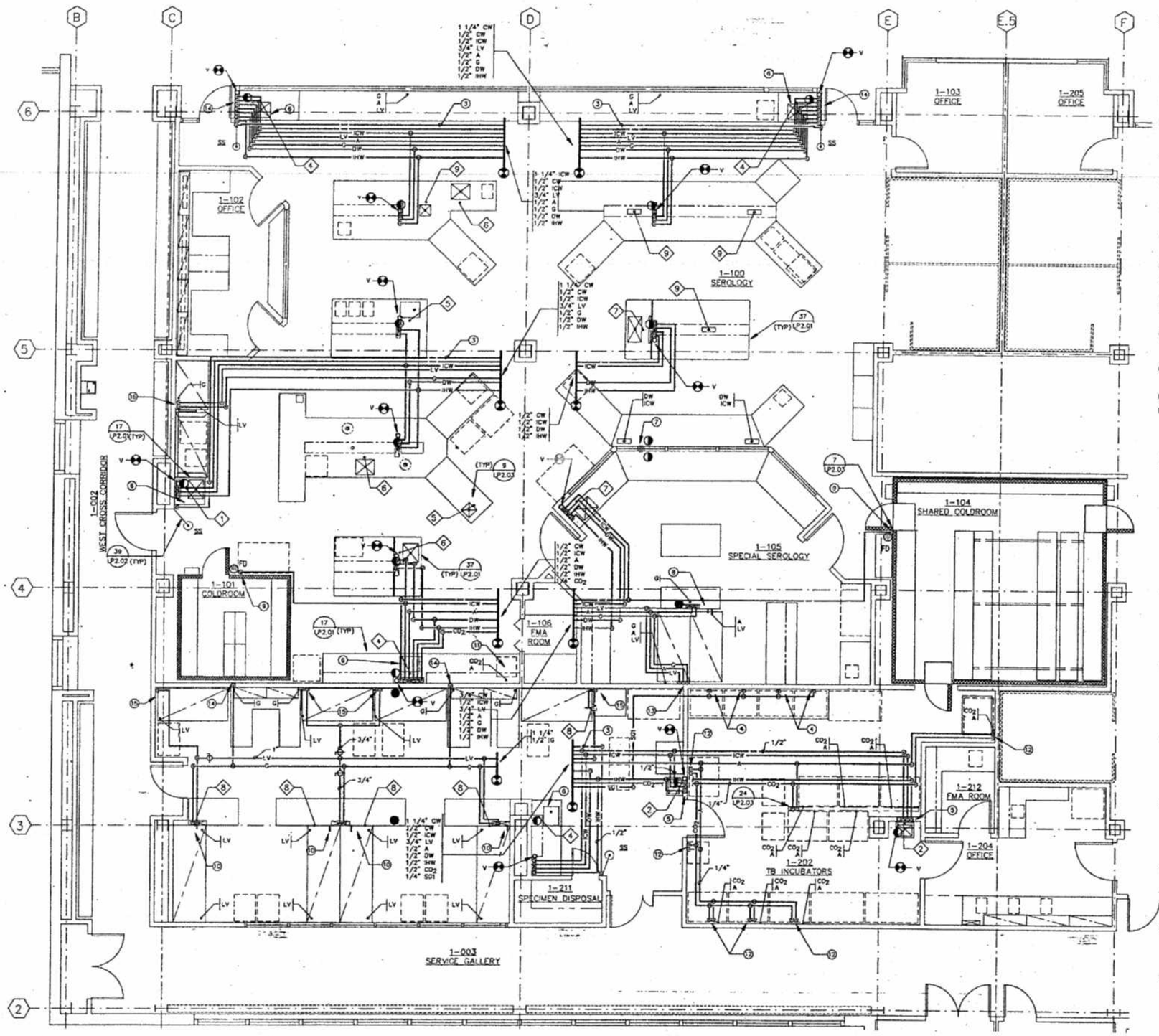
LAB PLUMBING
GROUND FLOOR EAST

SCALE: 1/4"=1'-0"

Project No.		Drawing No.
19210.01	B	LP1.02
Date 11 APR 91	BIDDING	

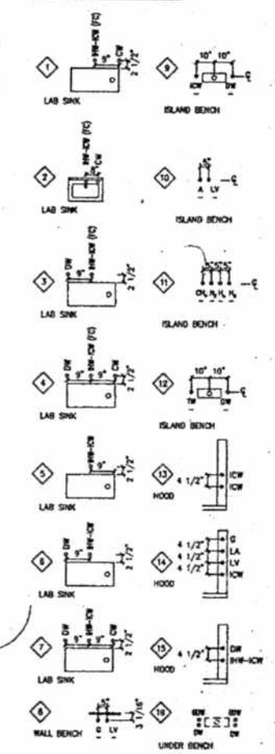
000720



NOTES:

1. ALL LAB WASTE STUB-UPS AND ALL PLUGGED DRAIN STUB-UPS SHALL BE 2".
2. ALL LAB VENT POINTS OF CONTINUATION SHALL BE 1 1/2".
3. CW CONNECTED TO SAFETY SHOWERS SHALL NOT HAVE A SHUTOFF VALVE.
4. DROP PIPING EXPOSED ON WALL & TERMINATE WITH BALL VALVE, STUB & CAP AT ±84" A.F.F.
5. DROP SERVICES IN WALL PEPETRATING THRU WALL AND CONNECT HW & ICW TO FOOT CONTROLS. CONNECT DW TO DW FITTING. SEE LF DETAILS FOR FINAL CONNECTIONS.
6. CONNECT IHW & ICW TO FOOT CONTROL. SEE LF DRAWINGS FOR SERVICE FITTING.
7. PENETRATE 1/2" CW & 1/2" DW THRU WALL BELOW COUNTERTOP OF LAB BENCH. RUN PIPING BELOW BENCHTOP AND CONNECT TO DECK MOUNTED FITTINGS.
8. PENETRATE A & LV THRU SIDE WALL OF BENCH AND TERMINATE WITH BALL VALVE. CONNECT PRV TO A DOWN STREAM OF BALL VALVE & CONNECT A & LV TO BSC.
9. DROP PIPING EXPOSED ON WALL AND TERMINATE WITH BALL VALVE AT ±38" ABOVE FINISHED FLOOR.
10. PENETRATE LV THRU SIDE WALL OF BENCH BELOW COUNTERTOP & CONNECT LV TO BOTH SIDES OF THE HOOD.
11. CONNECT UNDER BENCH 1/4" CO_2 & 1/2" A TO BALL VALVE & TERMINATE WITH PRV NEAR UNDERBENCH INCUBATOR.
12. DROP 1/4" CO_2 & 1/2" A EXPOSED ON WALL. CONNECT TO BALL VALVE AND TERMINATE WITH PRV AT ±84" ABOVE FINISHED FLOOR.
13. DROP G, A & LV EXPOSED ON WALL. CONNECT LV TO BSC. CONNECT A TO BALL VALVE & PRV AND THEN CONNECT TO BSC. TERMINATE GAS WITH BALL VALVE AT ±84" ABOVE FINISHED FLOOR.
14. DROP SERVICES IN WALL TO BELOW BENCHTOP, PENETRATE THRU WALL & RUN PIPING BELOW BENCH TOP TO DECK MOUNTED FITTINGS.
15. DROP LV EXPOSED ON WALL & CONNECT LV TO BSC.
16. DROP G & LV EXPOSED ON WALL. CONNECT LV TO BSC & TERMINATE G WITH BALL VALVE AT ±84" ABOVE FINISHED FLOOR.

SERVICE FITTINGS



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North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

LAB PLUMBING
LAB LEVEL ONE WEST

SCALE: 1/4"=1'-0"

Project No.		Drawing No.
19210.01	B	LP1.03
Date 11 APR 91	BIDDING	

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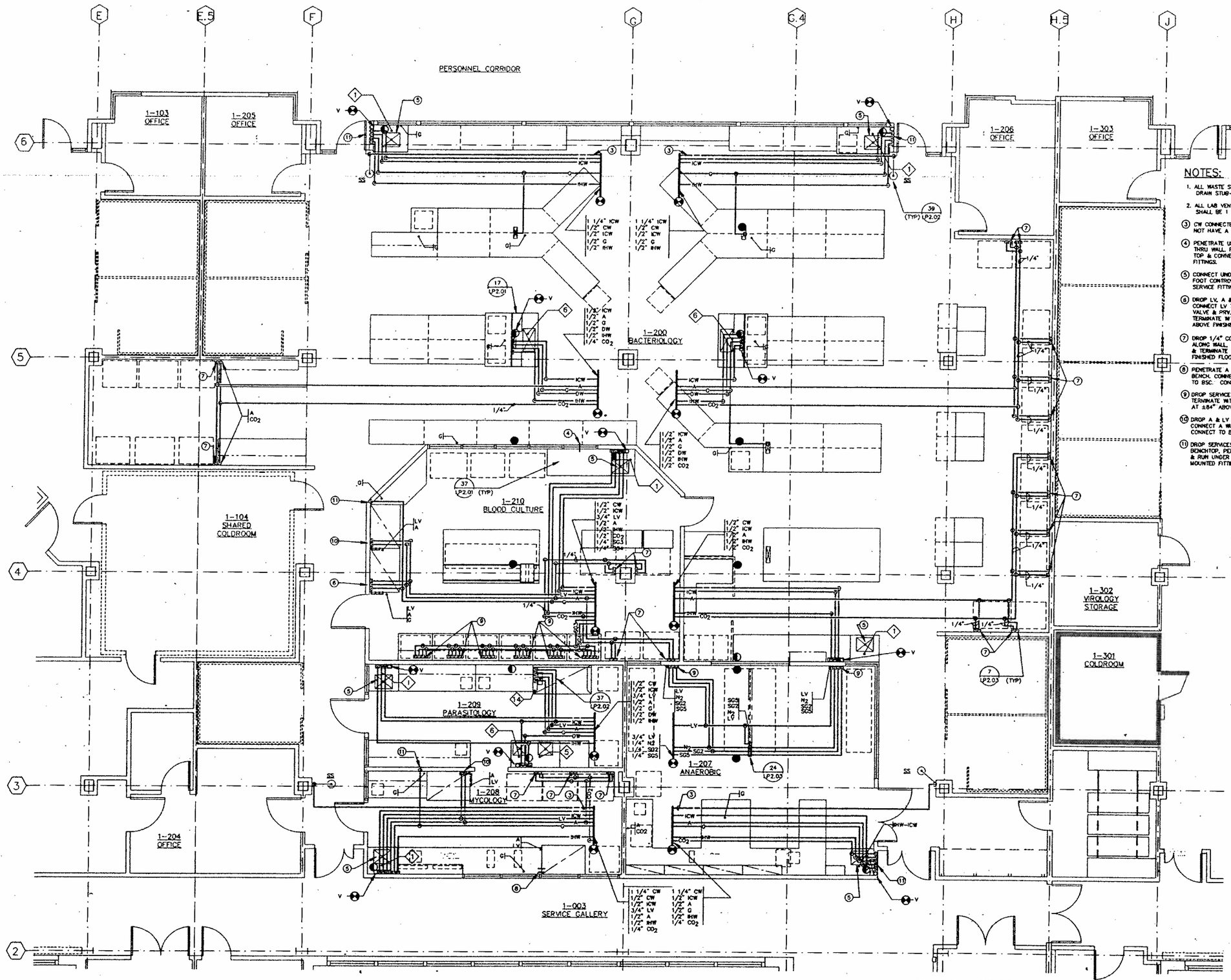
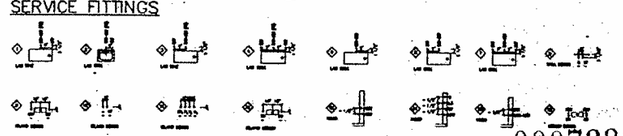


NOTES:

1. ALL WASTE STUB-UPS AND ALL PLUGGED DRAIN STUB-UP SHALL BE 2".
2. ALL LAB VENT POINTS OF CONTINUATION SHALL BE 1 1/2".
3. CW CONNECTED TO SAFETY SHOWER SHALL NOT HAVE A SHUTOFF VALVE.
4. PENETRATE UNDER BENCH G, PIPING THRU WALL, RUN PIPING BELOW BENCH TOP & CONNECT TO DECK MOUNTED FITTINGS.
5. CONNECT UNDER BENCHTOP HW & ICW TO FOOT CONTROLS. SEE LF DRAWINGS FOR SERVICE FITTINGS.
6. DROP LV, A & G EXPOSED ALONG WALL. CONNECT LV TO BSC. CONNECT A TO BALL VALVE & PRV. THEN CONNECT A TO BSC. TERMINATE WITH BALL VALVE AT ±84" ABOVE FINISHED FLOOR.
7. DROP 1/4" CO2 AND 1/2" A EXPOSED ALONG WALL. CONNECT TO BALL VALVE & TERMINATE WITH PRV AT ±84" ABOVE FINISHED FLOOR.
8. PENETRATE A & LV THRU SIDE WALL OF BENCH. CONNECT A WITH BALL VALVE & PRV TO BSC. CONNECT LV TO BSC.
9. DROP SERVICES EXPOSED ALONG WALL & TERMINATE WITH BALL VALVE STUB & CAP. AT ±84" ABOVE FINISHED FLOOR.
10. DROP A & LV EXPOSED ON WALL. CONNECT A WITH BALL VALVE & PRV & CONNECT TO BSC. CONNECT LV TO BSC.
11. DROP SERVICES IN WALL TO BELOW BENCHTOP, PENETRATE THRU WALL & RUN UNDER BENCHTOP TO DECK MOUNTED FITTINGS.

SERVICE FITTINGS



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Laboratory Architect

Laboratory Mechanical Engineer

Laboratory Electrical Engineer

REGISTERED PROFESSIONAL ENGINEER ROBERT F. HUGHES No. 13059 MECHANICAL STATE OF CALIFORNIA

Revisions

No.		Date

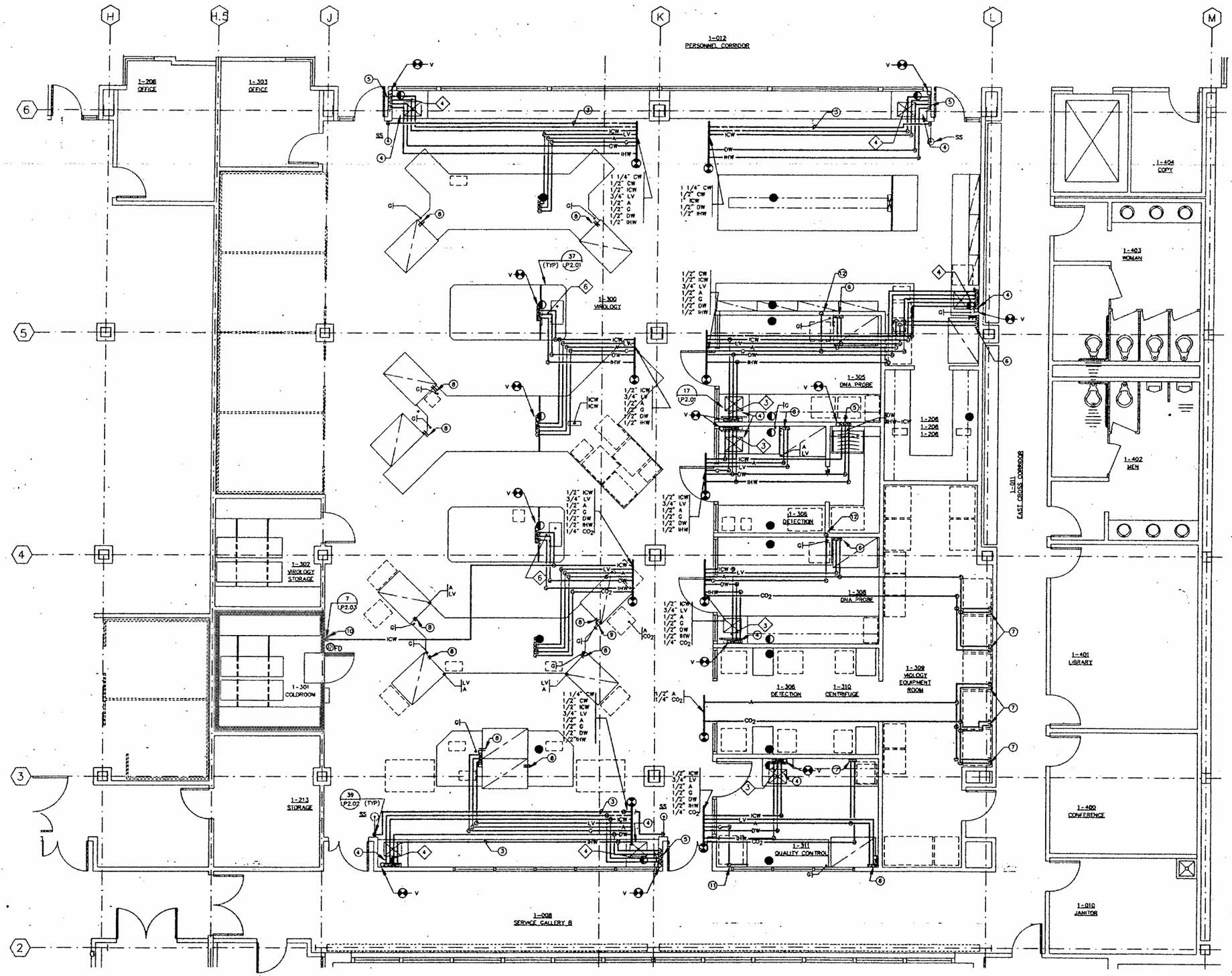
Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

LAB PLUMBING
LAB LEVEL ONE CENTER

SCALE 1/4"=1'-0"

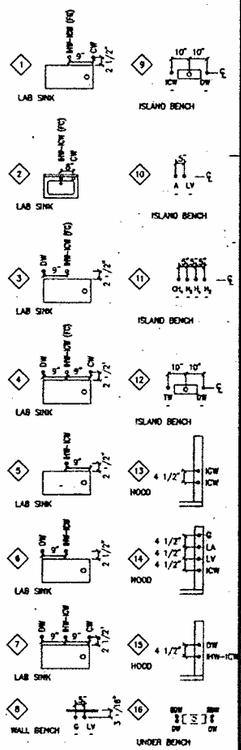
Project No.		Drawing No.
19210.01	B	LP1.04
Date 11 APR 91	BIDDING	



NOTES:

1. ALL LAB WASTE STUB-UPS & ALL PLUGGED DRAIN STUB-UPS SHALL BE 2".
2. ALL LAB VENT POINTS OF CONTINUATION SHALL BE 1 1/2".
3. CW CONNECTED TO SAFETY SHOWER SHALL NOT HAVE A SHUT-OFF VALVE.
4. CONNECT IHW & ICW TO FOOT CONTROLS. SEE LF DETAILS FOR FINAL CONNECTIONS.
5. DROP PIPING IN WALL PENETRATE THRU WALL BELOW TOP OF SINK AND CONNECT TO DECK MOUNTED FITTINGS.
6. DROP LV & A EXPOSED ON WALL. CONNECT LV TO BSC. CONNECT A WITH BALL VALVE & PVR TO BSC.
7. DROP 1/4" CO_2 AND 1/2" LA EXPOSED ON WALL. TERMINATE WITH BALL VALVE & PRV AT ±84" ABOVE FINISHED FLOOR.
8. CONNECT UNDER BENCH A & LV TO BALL VALVE. CONNECT PRV TO A DOWNSTREAM OF BALL VALVE. STUB OUT REDUCED PRESSURE A & LV LINES THRU SIDEWALL OF BENCH AND CONNECT TO BSC.
9. CONNECT UNDER BENCH A & CO_2 TO BALL VALVE AND PRV AND STUB OUT REDUCED PRESSURE A & CO_2 THRU SIDEWALL OF BENCH.
10. DROP SERVICE EXPOSED ALONG WALL & TERMINATE WITH BALL VALVE AT ±36" ABOVE FINISHED FLOOR.
11. DROP PIPING EXPOSED ON WALL TO BELOW COUNTERTOP OF SINK. RUN PIPING ON WALL & PENETRATE THRU SIDE WALL OF BENCH. RUN PIPING BELOW BENCHTOP & CONNECT TO DECK MOUNTED FITTINGS.
12. DROP PIPING IN WALL TO BELOW COUNTERTOP OF LAB BENCH, PENETRATE THRU WALL & CONNECT TO DECK MOUNTED FITTING.

SERVICE FITTINGS



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No. 13658
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STATE OF CALIFORNIA

Revisions

No.		Date

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

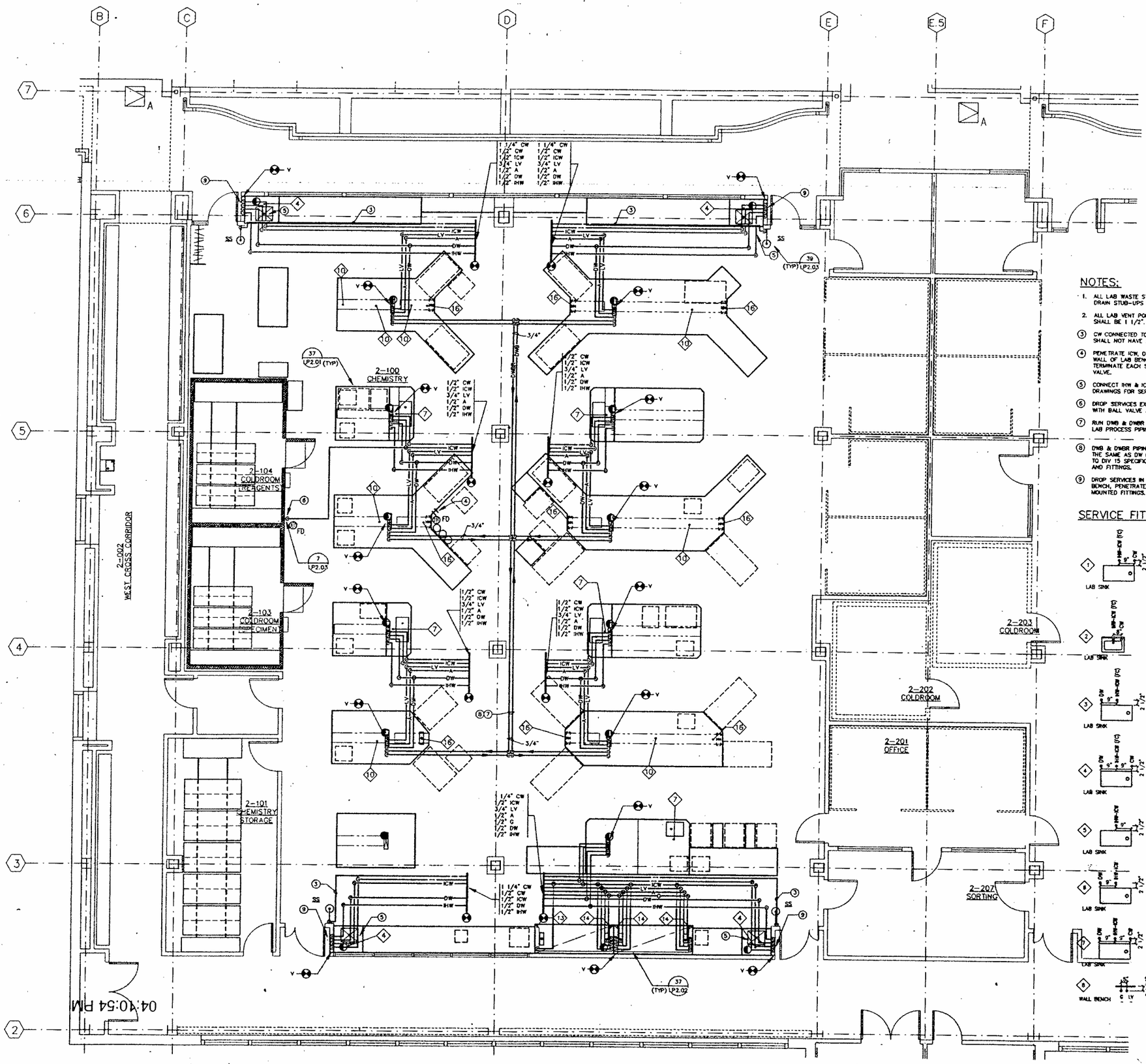
LAB PLUMBING
LAB LEVEL ONE EAST

SCALE: 1/4"=1'-0"

Project No.		Drawing No.
19210.01	B BIDDING	LP1.05
Date 24 SEPT 1990		

000723

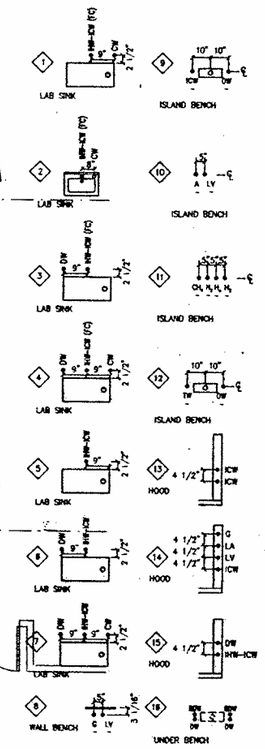
DRAWING: C:\NITE\8954-P05 DATE: 4/5/1991



NOTES:

1. ALL LAB WASTE STUB-OUTS & ALL PLUGGED DRAIN STUB-UPS SHALL BE 2".
2. ALL LAB VENT POINTS OF CONTINUATION SHALL BE 1 1/2".
3. CW CONNECTED TO SAFETY SHOWER SHALL NOT HAVE A SHUTOFF VALVE.
4. PENETRATE ICW, DWB, & DWBR THRU SIDE WALL OF LAB BENCH BELOW COUNTERTOP & TERMINATE EACH SERVICE WITH BALL VALVE.
5. CONNECT RHW & ICW TO FOOT CONTROLS, SEE LF DRAWINGS FOR SERVICE FITTINGS.
6. DROP SERVICES EXPOSED ON WALL AND TERMINATE WITH BALL VALVE AT ±36" ABOVE FINISHED FLOOR.
7. RUN DWB & DWBR ON THE SAME PIPING RACK FOR THE LAB PROCESS PIPING MAINS.
8. DWB & DWBR PIPING MATERIALS & FITTINGS SHALL BE THE SAME AS DW PIPING MATERIALS & FITTINGS. REFER TO DIV 15 SPECIFICATIONS FOR DW PIPING MATERIALS AND FITTINGS.
9. DROP SERVICES IN WALL TO BELOW COUNTER TOP OF BENCH, PENETRATE THRU WALL AND CONNECT TO DECK MOUNTED FITTINGS.

SERVICE FITTINGS



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Revisions

No.	Date

Regional Reference Laboratory
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North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

LAB PLUMBING
LAB LEVEL TWO WEST

SCALE: 1/8"=1'-0"

Project No. 19210.01

Date 11 APR 91

B BIDDING

Drawing No. LP1.06

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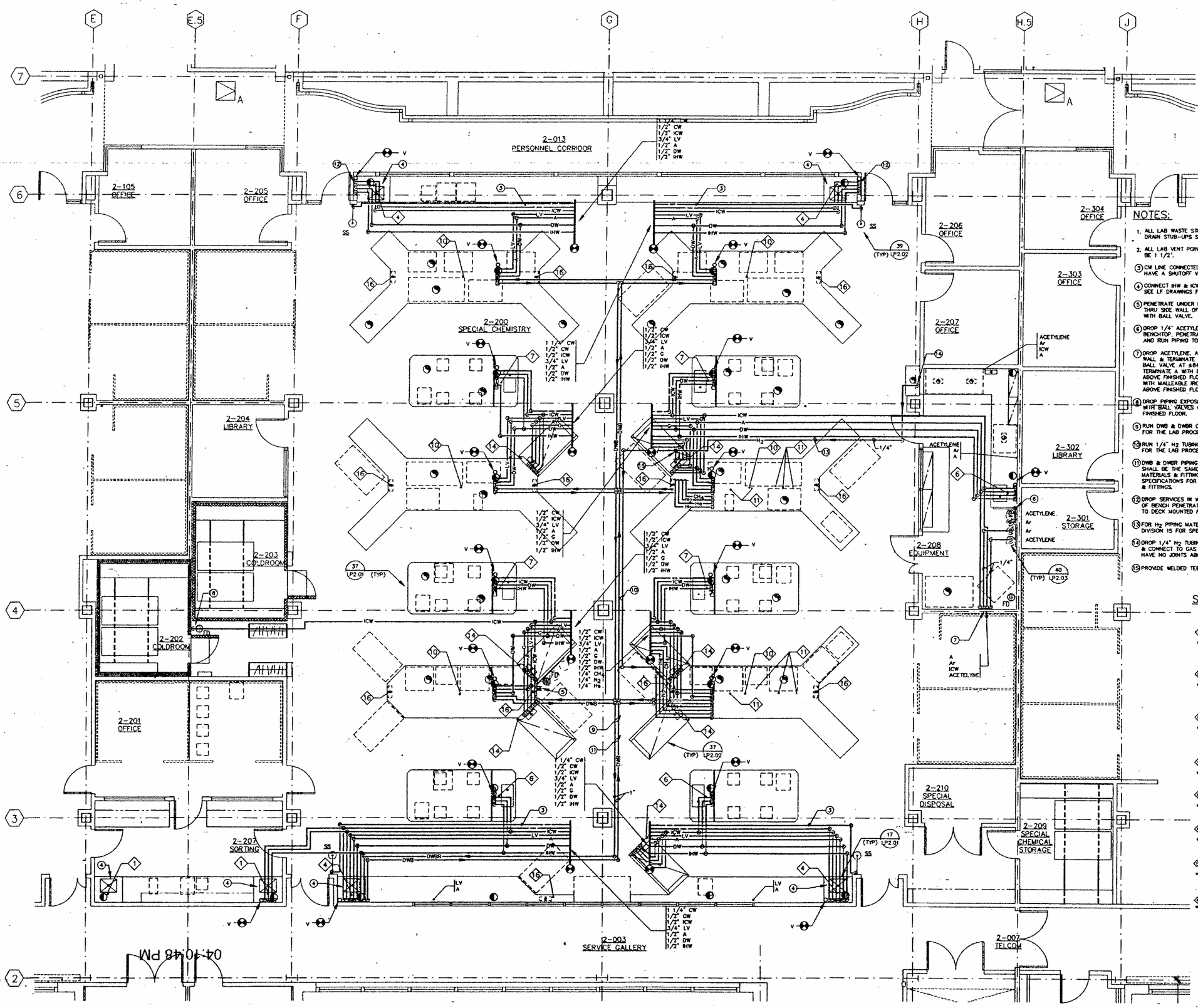
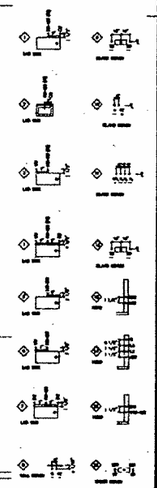
000724



NOTES:

1. ALL LAB WASTE STUB-UPS AND ALL PLUGGED DRAIN STUB-UPS SHALL BE 2".
2. ALL LAB VENT POINTS OF CONTINUATION SHALL BE 1 1/2".
3. CW LINE CONNECTED TO SS SHALL NOT HAVE A SHUTOFF VALVE.
4. CONNECT BHW & ICW TO FOOT CONTROLS. SEE LF DRAWINGS FOR SERVICE FITTINGS.
5. PENETRATE UNDER BENCH ICW, DWB & DWBR THRU SIDE WALL OF BENCH & TERMINATE WITH BALL VALVE.
6. DROP 1/4" ACETYLENE & 1/4" Ar TO BELOW BENCHTOP. PENETRATE THRU SIDEWALL OF BENCH AND RUN PIPING TO DECK MOUNTED FITTINGS.
7. DROP ACETYLENE, A, AR & CW EXPOSED ALONG WALL & TERMINATE AR & CW WITH BALL VALVE AT ±84" ABOVE FINISHED FLOOR. TERMINATE A WITH BALL VALVE & PRV AT ±84" ABOVE FINISHED FLOOR. TERMINATE ACETYLENE WITH MALLEABLE IRON NEEDLE VALVE AT ±84" ABOVE FINISHED FLOOR.
8. DROP PIPING EXPOSED ON WALL & TERMINATE WITH BALL VALVES @ ±36" ABOVE FINISHED FLOOR.
9. RUN DWB & DWBR ON THE SAME PIPING RACK FOR THE LAB PROCESS PIPING MAINS.
10. RUN 1/4" H_2 TUBING ON THE SAME PIPING RACK FOR THE LAB PROCESS PIPING MAINS.
11. DWB & DWBR PIPING MATERIALS AND FITTINGS SHALL BE THE SAME AS DW AND DWR PIPING MATERIALS & FITTINGS. REFER TO DIVISION 15 SPECIFICATIONS FOR DW & DWR PIPING MATERIALS & FITTINGS.
12. DROP SERVICES IN WALL TO BELOW COUNTER TOP OF BENCH PENETRATE THRU WALL & CONNECT TO TO DECK MOUNTED FITTINGS.
13. FOR H_2 PIPING MATERIAL & FITTINGS REFER TO DIVISION 15 FOR SPECIFICATIONS.
14. DROP 1/4" H_2 TUBING EXPOSED ON WALL & CONNECT TO GAS CABINET. H_2 PIPING SHALL HAVE NO JOINTS ABOVE CEILING.
15. PROVIDE WELDED TEE ON H_2 PIPING.

SERVICE FITTINGS



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Revisions

No.	Date

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood - Los Angeles, California

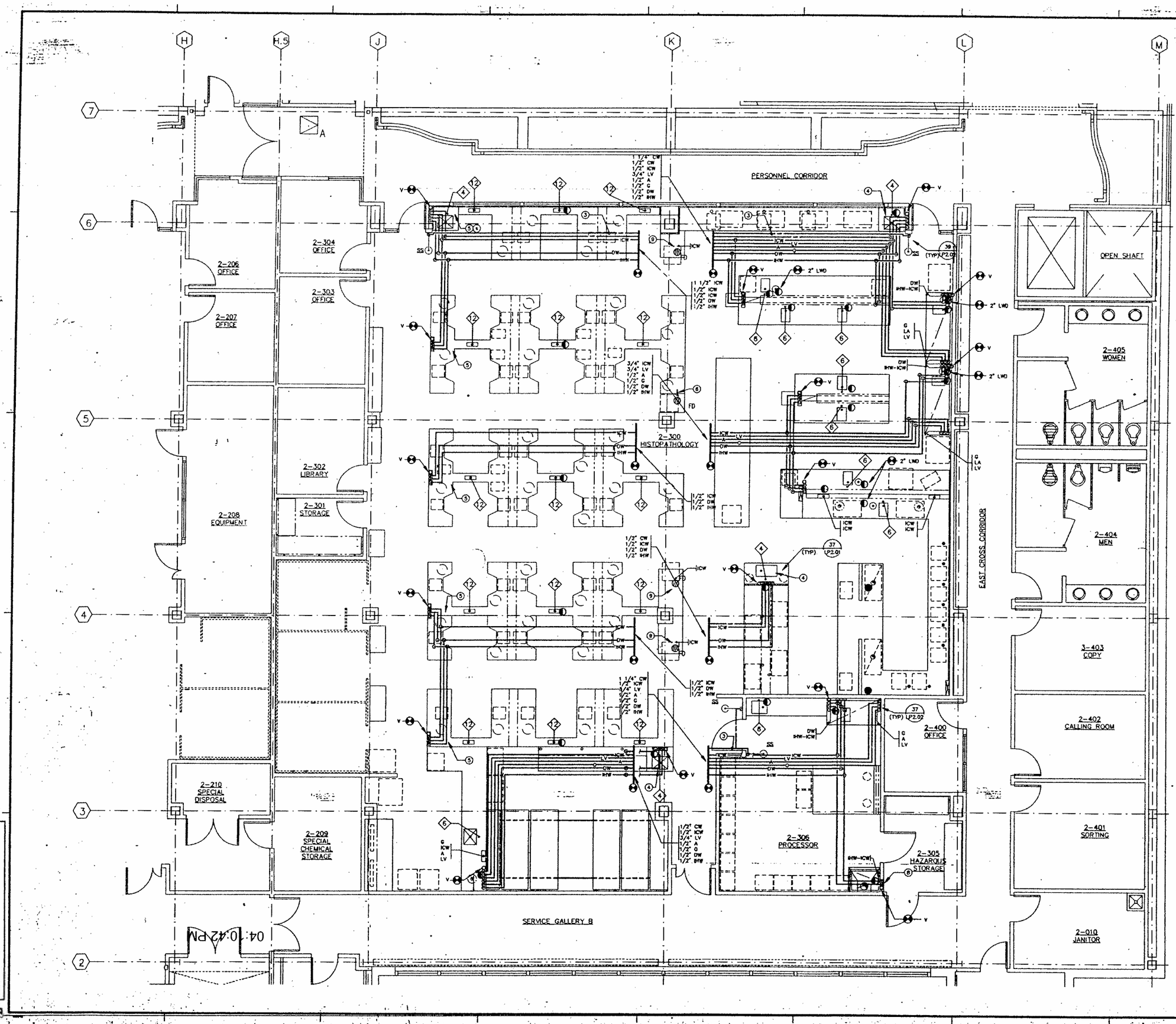
Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

LAB PLUMBING
LAB LEVEL TWO CENTER

SCALE: 1/8"=1'-0"

Project No.		Drawing No.
19210.01	B	LP1.07
Date 11 APR 91	BIDDING	

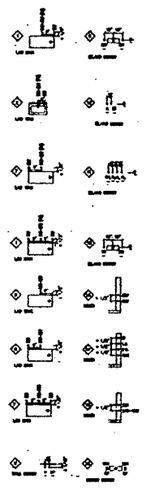
000725



NOTES:

1. ALL LAB WASTE STUB-UPS AND ALL PLUGGED DRAIN STUB-UPS SHALL BE 2".
2. ALL LAB VENT POINT OF CONTINUATION SHALL BE 2".
3. CW CONNECTED TO SS SHALL NOT HAVE A SHUT-OFF VALVE.
4. CONNECT RHW & ICW TO FOOT CONTROLS. SEE LP DRAWINGS FOR SERVICE FITTINGS.
5. SEE DETAIL 40/LP2.01 FOR PIPING CONNECTION TO UNDER BENCH TAP WATER TEMPERATURE REGULATOR. REFER TO LAB FURNISHING DETAIL FOR EXACT LOCATION OF WATER TEMP REGULATOR.
6. PENETRATE ICW THRU SIDE WALL OF BENCH AND TERMINATE WITH A BALL VALVE.
7. DROP SERVICES IN WALL TO BELOW COUNTER TOP OF BENCH, PENETRATE THRU WALL & CONNECT TO DECK MOUNTED FITTINGS.
8. DROP SERVICES IN WALL. PENETRATE THRU WALL & CONNECT TO LAB FURNISHINGS FITTINGS.
9. TERMINATE UNDERBENCH ICW WITH BALL VALVE AT ±18" ABOVE FINISHED FLOOR.

SERVICE FITTINGS



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Revisions

No.	Date

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

LAB PLUMBING
LAB LEVEL TWO EAST

SCALE: 1/4"=1'-0"

Project No.		Drawing No.
19210.01	B	LP1.08
Date 21 APR 91	BIDDING	

000726

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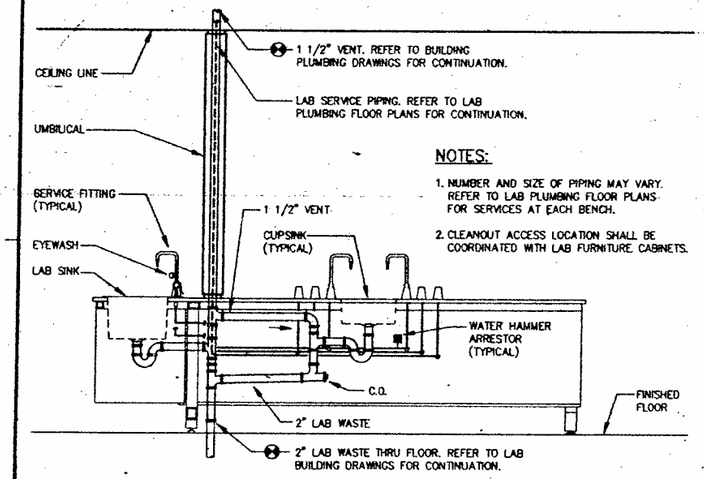


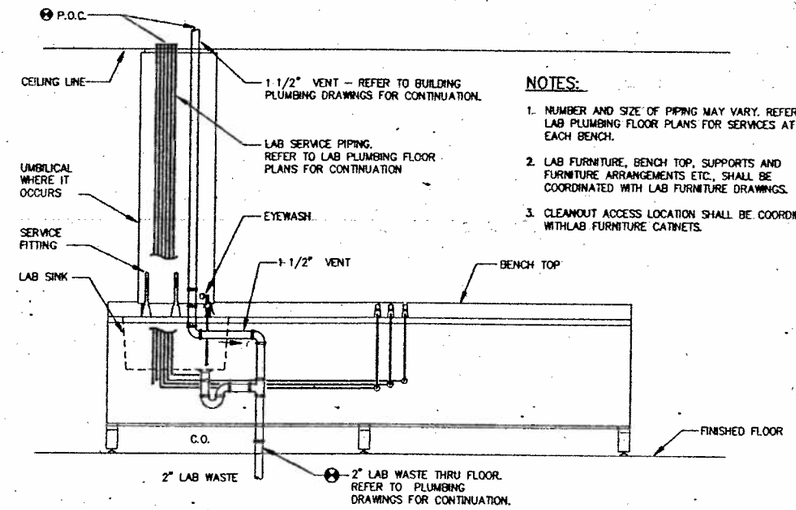
NOTES:

1. NUMBER AND SIZE OF PIPING MAY VARY. REFER TO LAB PLUMBING FLOOR PLANS FOR SERVICES AT EACH BENCH.
2. CLEANOUT ACCESS LOCATION SHALL BE COORDINATED WITH LAB FURNITURE CABINETS.

37 LAB PIPING AT ISLAND BENCH – ELEVATION

NOT TO SCALE

EARL WALLS ASSOCIATES © 1989
15450-013



NOTES:

1. NUMBER AND SIZE OF PIPING MAY VARY. REFER TO LAB PLUMBING FLOOR PLANS FOR SERVICES AT EACH BENCH.
2. LAB FURNITURE, BENCH TOP, SUPPORTS AND FURNITURE ARRANGEMENTS ETC., SHALL BE COORDINATED WITH LAB FURNITURE DRAWINGS.
3. CLEANOUT ACCESS LOCATION SHALL BE COORDINATED WITHLAB FURNITURE CATINETS.

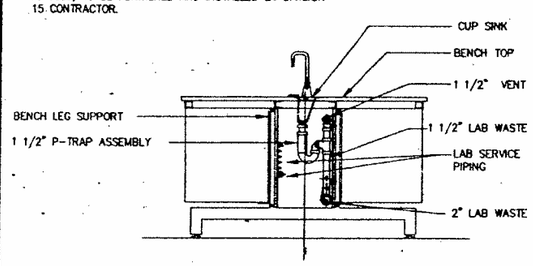
17 LAB PIPING AT WALL BENCH – ELEVATION

NOT TO SCALE

EARL WALLS ASSOCIATES © 1989
15450-07

NOTE:

1. NUMBER AND SIZE OF PIPING MAY VARY. REFER TO LAB PLUMBING FLOOR PLANS FOR SERVICES AT EACH BENCH.
2. PROVIDE 1/8" NEOPRENE PAD WHERE VENT PIPING IS IN CONTACT WITH PIPE SUPPORT.
3. FOR DETAILED INFORMATION ON PIPE SUPPORT IN PIPING CHASE SEE DETAIL
4. ALL UNISTRUT PIPING SUPPORT DEVICES, EXCEPT UNISTRUT P-4000, TO BE FURNISHED AND INSTALLED BY DIVISION 15 CONTRACTOR.



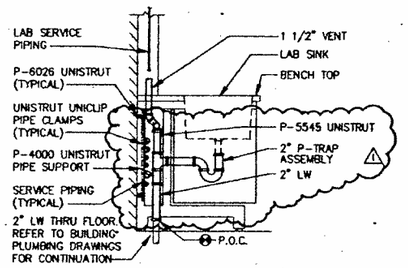
39 LAB PIPING AT ISLAND BENCH – SECTION

NOT TO SCALE

EARL WALLS ASSOCIATES © 1989
15450-03

NOTE:

1. NUMBER AND SIZE OF PIPING MAY VARY. REFER TO LAB PLUMBING FLOOR PLANS FOR SERVICES AT EACH BENCH.
2. PROVIDE 1/8" NEOPRENE PAD WHERE VENT PIPING IS IN CONTACT WITH PIPE SUPPORT.



24 PIPING AT WALL BENCH SECTION

NOT TO SCALE

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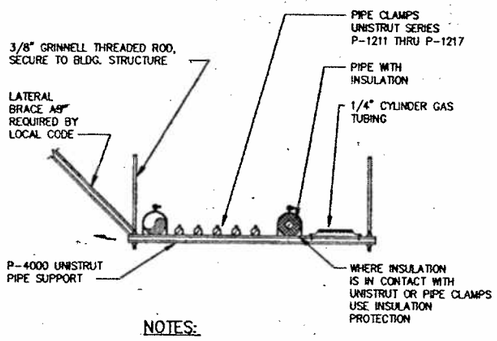
15450-06



NOTES:

1. SPACING OF ALL HANGERS SHALL BE AS SPECIFIED AND IN COMPLIANCE WITH CODES.
2. NUMBER OF PIPES, SIZES & SERVICES MAY VARY. SEE LAB PLUMBING FLOOR PLANS FOR SERVICES AT EACH LOCATION.

14 TYPICAL OVERHEAD PIPING SUPPORT

NOT TO SCALE

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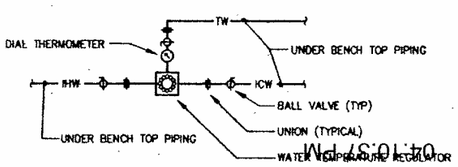
15454-01



NOTE:

1. FOR MANUFACYTURER & MODEL NO. FOR WATER TEMPERATURE REGULATOR REFER TO DIV 15 SPECIFICATIONS.
2. FOR LOCATION OF UNDER BENCH TOP WATER TEMPERATURE REGULATOR REFER TO LAB FURNISHINGS DETAIL 31/LF2.06.

40 WATER TEMPERATURE REGULATOR PIPING SCHEMATIC

NOT TO SCALE

000727

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Revisions

No.		Date
1	BULLETIN #2	1-24-92

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

LAB PLUMBING DETAILS

SCALE: NONE

Project No. 19210.01

Date

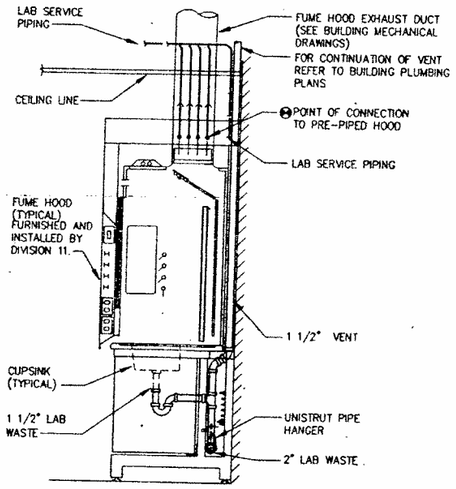
Drawing No. LP2.01

PROJECT NO. 19210.01

DATE | DWG. TITLE | NOTES

NOTES:

1. NUMBER AND SIZE OF PIPING MAY VARY. REFER TO LAB PLUMBING FLOOR PLANS FOR SERVICES AT EACH BENCH.
2. FOR DETAILED INFORMATION ON PIPE SUPPORT IN PIPING CHASE SEE DETAIL
3. ALL UNISTRUT PIPING SUPPORT DEVICES EXCEPT UNISTRUT P-4000 TO BE FURNISHED AND INSTALLED BY DIVISION 15 CONTRACTOR.



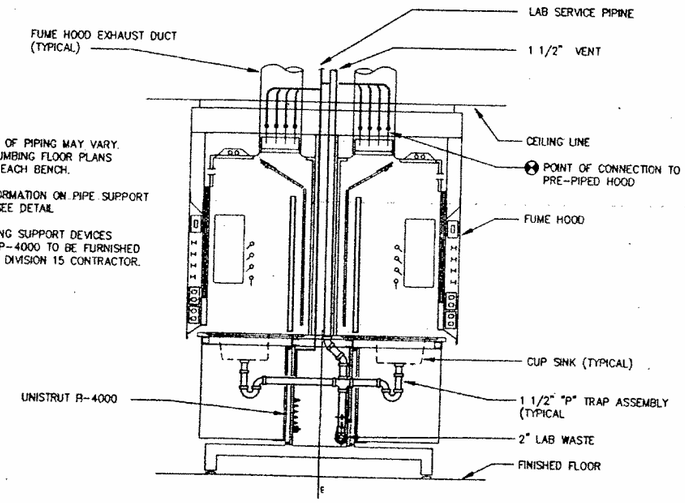
37 LAB PIPING AT WALL BENCH WITH HOOD CROSS-SECTION

NOT TO SCALE

EARL WALLS ASSOCIATES © 1989
15452-01

NOTES:

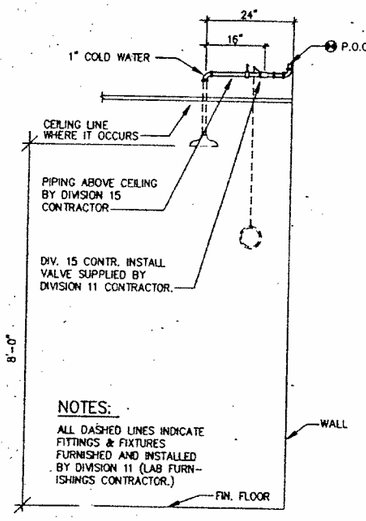
1. NUMBER AND SIZE OF PIPING MAY VARY. REFER TO LAB PLUMBING FLOOR PLANS FOR SERVICES AT EACH BENCH.
2. FOR DETAILED INFORMATION ON PIPE SUPPORT IN PIPING CHASE SEE DETAIL
3. ALL UNISTRUT PIPING SUPPORT DEVICES EXCEPT UNISTRUT P-4000 TO BE FURNISHED AND INSTALLED BY DIVISION 15 CONTRACTOR.



17 LAB PIPING AT ISLAND BENCH WITH HOOD CROSS-SECTION

NOT TO SCALE

EARL WALLS ASSOCIATES © 1989
15452-02



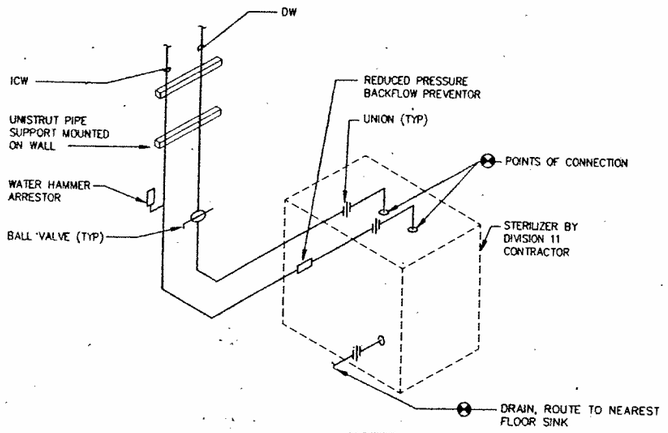
NOTES:

ALL DASHED LINES INDICATE FITTINGS & FIXTURES FURNISHED AND INSTALLED BY DIVISION 11 (LAB FURNISHINGS CONTRACTOR.)

39 SAFETY SHOWER

NOT TO SCALE

EARL WALLS ASSOCIATES © 1989
15455-05



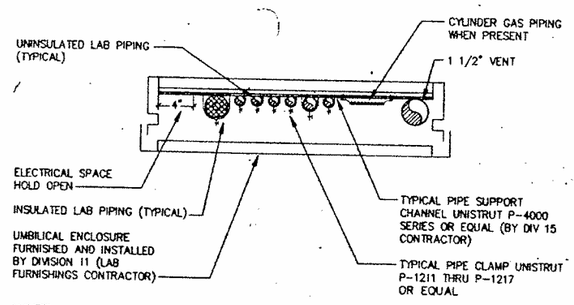
NOTES:

1. FOR PIPE SIZES SEE LAB PLUMBING DRAWINGS. DIVISION 15 CONTRACTOR SHALL MAKE SUITABLE ALTERATIONS TO HOOK-UP IF MACHINE OTHER THAN SPECIFIED MODEL IS APPROVED AND PROVIDED UNDER DIVISION 11.

29 STERILIZER PIPING SCHEMATIC

NOT TO SCALE

EARL WALLS ASSOCIATES © 1989
15455-03



NOTE:

NUMBER AND SIZES OF SERVICES MAY VARY. REFER TO LABORATORY PLUMBING FLOOR PLANS FOR SERVICES AT EACH LOCATION.

14 ISLAND BENCH UMBILICAL PIPING DETAIL

NOT TO SCALE

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15454-03

04:10:28 PM

000728

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Revisions

No.	Date

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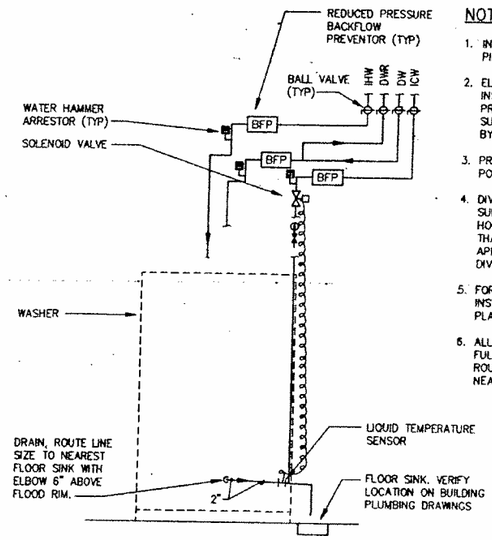
Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

LAB PLUMBING DETAILS

SCALE: NONE

Project No.		Drawing No.
19210.01	B	LP2.02
Date 11 APR 91	BIDDING	

DRAWING: C:\NITE\6934P202 DATE: 4/5/1991



NOTES:

1. INSTALL ACCORDING TO MFGRS. PIPING RECOMMENDATIONS.
2. ELECTRIC BOOSTER HEATERS INSTALLED ON THE WASHER. PRE-PIPED HOT WATER WITH SUITABLE CONTROLS & VALVES BY MANUFACTURER.
3. PROVIDE UNION BEFORE EACH POINT OF CONNECTION.
4. DIVISION 15 SHALL MAKE SUITABLE ALTERATIONS TO HOOK-UP IF MACHINE OTHER THAN SPECIFIED MODEL IS APPROVED AND PROVIDED UNDER DIVISION 11.
5. FOR PIPE SIZES SEE FLOOR PLANS. INSTALL LARGEST, PIPES SHOWN ON PLANS OR MANUFACTURER PIPE SIZES.
6. ALL BACKFLOW PREVENTORS SHALL BE FULL LINE SIZE WITH AIR GAP FITTING. ROUTE RELIEF DRAIN FULL SIZE TO NEAREST FLOOR SINK.

37 WASHER PIPING SCHEMATIC

NOT TO SCALE

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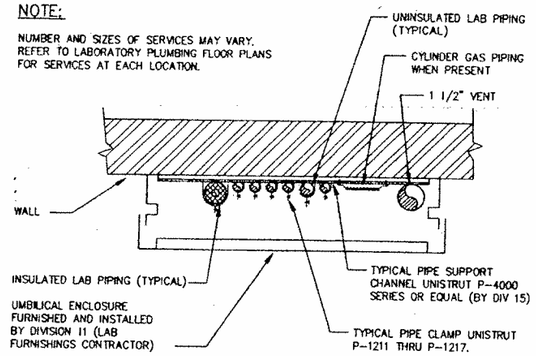
15455-D4

NOTE:

NUMBER AND SIZES OF SERVICES MAY VARY. REFER TO LABORATORY PLUMBING FLOOR PLANS FOR SERVICES AT EACH LOCATION.



17 WALL UMBILICAL PIPING DETAIL

NOT TO SCALE

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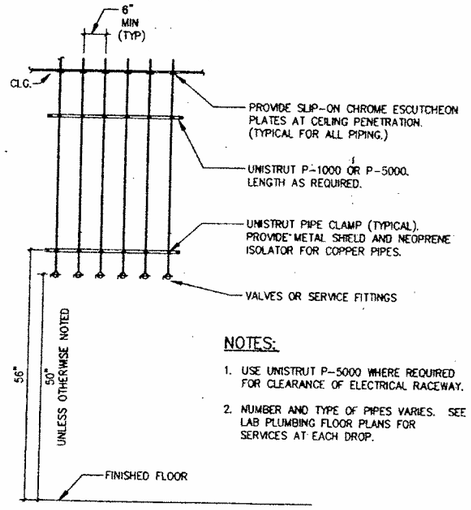

NOTES:

1. USE UNISTRUT P-5000 WHERE REQUIRED FOR CLEARANCE OF ELECTRICAL RACEWAY.
2. NUMBER AND TYPE OF PIPES VARIES. SEE LAB PLUMBING FLOOR PLANS FOR SERVICES AT EACH DROP.

7 EXPOSED PIPE SUPPORT ON WALL

NOT TO SCALE

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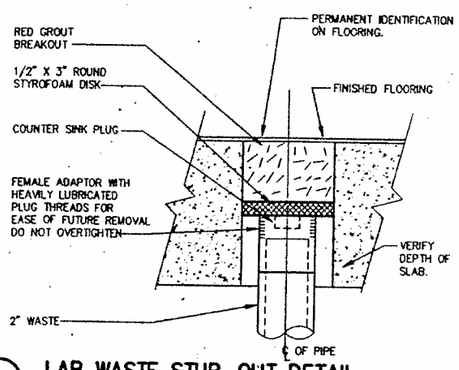

39 LAB WASTE STUB-OUT DETAIL

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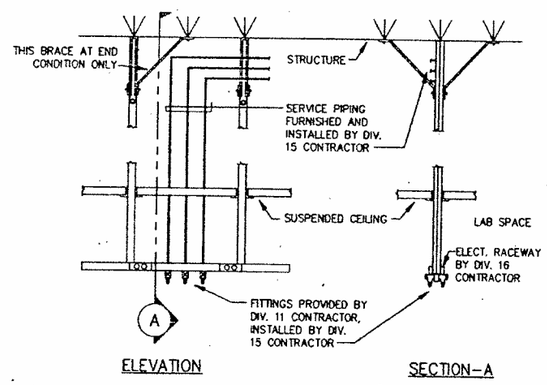

NOTES:

1. NUMBER AND SIZE OF PIPING MAY VARY. REFER TO LAB PLUMBING FLOOR PLANS FOR SERVICES AT EACH CARRIER.
2. CARRIER TO BE FURNISHED AND INSTALLED BY DIV. 11 CONTRACTOR.

24 OVERHEAD SERVICE CARRIER

NO SCALE

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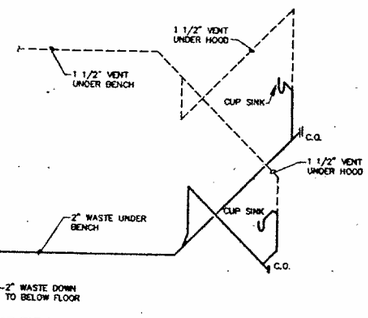

9 UNDERBENCH WASTE & VENT PIPING

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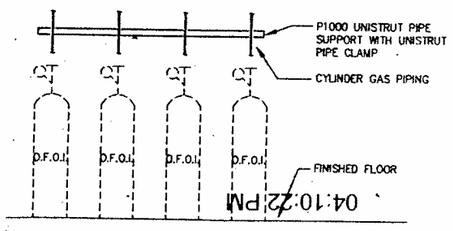

40 CYLINDER GAS PIPING

NOT TO SCALE

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000729

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Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

LAB PLUMBING DETAILS

SCALE: NONE

Project No. 19210.01

Date 11 APR 91

B BIDDING

Drawing No. LP2.03

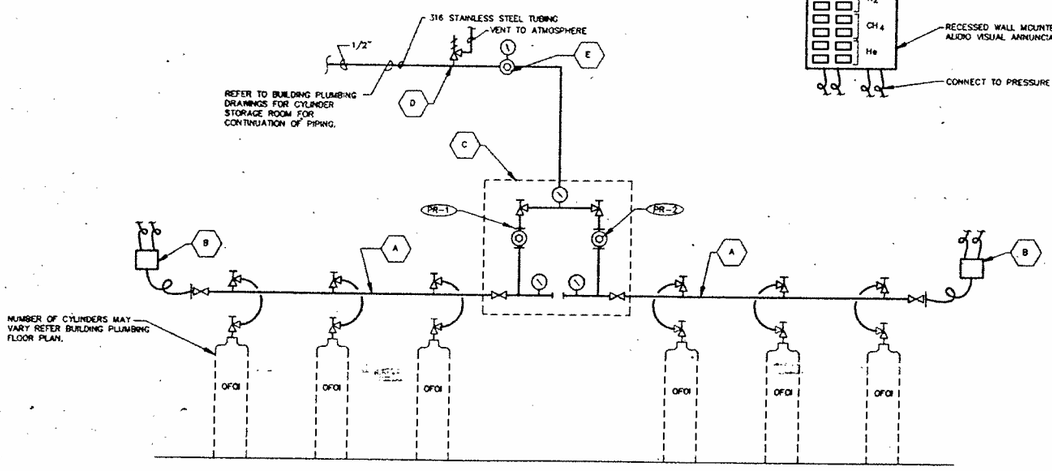
CYLINDER GAS SYSTEM EQUIPMENT

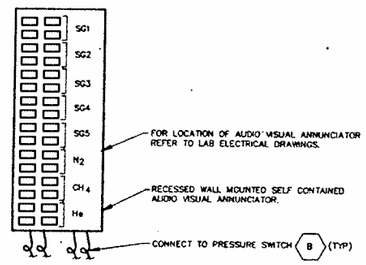
MARK	DESCRIPTION	SERVICE	PRESSURE RATING	PRESSURE SETTING	MATHESON PART NUMBER							
					SG1	SG2	SG3	SG4	SG5	N_2	CH_4	He
A	SERIES MANIFOLD	SG1, SG2, SG3, SG4, SG5, N_2 CH_4, He			5432-590	5433-580	5433-590	5433-580	5433-350	5433-580	5433-350	5433-580
B	PRESSURE SWITCH (*)	SG1, SG2, SG3, SG4, SG5, N_2 CH_4, He		APPROX. 200 PSIG	SP-1212 (TYPE 1)	SP-1212 (TYPE 1)	SP-1212 (TYPE 1)	SP-1212 (TYPE 1)	SP-1212 (TYPE 1)	SP-1212 (TYPE 1)	SP-1212 (TYPE 1)	SP-1212 (TYPE 1)
C	SEMI-AUTOMATIC CHANGEOVER	SG1, SG2, SG3, SG4, SG5, N_2 CH_4, He	3000 PSIG IN 4-100 PSIG OUT	FIELD ADJUSTED	5040-590	5040-580	5040-590	5040-580	5040-350	5040-580	5040-350	5040-580
D	RELIEF VALVE	SG1, SG2, SG3, SG4, SG5, N_2 CH_4, He	3000 PSIG	FIELD ADJUSTED	Z6239B ADJUSTABLE RANGE 20-100 PSIG	Z6239B ADJUSTABLE RANGE 20-100 PSIG	Z6239B ADJUSTABLE RANGE 20-100 PSIG	Z6239B ADJUSTABLE RANGE 20-100 PSIG	Z6239B ADJUSTABLE RANGE 20-100 PSIG	Z6239B ADJUSTABLE RANGE 20-100 PSIG	Z6239B ADJUSTABLE RANGE 20-100 PSIG	Z6239B ADJUSTABLE RANGE 20-100 PSIG
E	PRESSURE REDUCING VALVE	SG1, SG2, SG3, SG4, SG5, N_2 CH_4, He	500 PSIG IN 4-100 PSIG OUT	FIELD ADJUSTED	3454	3454	3454	3454	3454	3454	3454	3454

(*) SWITCH POWER INPUT: 8-30 VDC; 35ma QUIESCENT 45ma TRIPPED

SEQUENCE OF OPERATIONS – SEMI AUTOMATIC CHANGE OVER FOR SG1 THRU SG5, N_2, CH_4 & He CYLINDERS

PRESSURE REGULATOR (PR-1) SHALL BE SLIGHTLY HIGHER IN PRESSURE SETTING THAN PRESSURE REGULATOR (PR-2). (PR-1) SHALL PROVIDE GAS FLOW AND HOLD (PR-2) IN CLOSED POSITION. THIS AUTOMATICALLY DISCHARGES ONE BANK OF CYLINDERS AT A TIME. ELECTRIC PRESSURE SWITCH SHALL ACTIVATE THE WALL MOUNTED ALARM BOX CAUSING BUZZER TO SOUND AND LAMP TO FLASH. CLOSING THE MASTER VALVE ON THE MANIFOLD WILL CONTINUE THE UNINTERRUPTED FLOW OF CYLINDER GAS TO THE BUILDING SYSTEM AND ALSO ALLOWS REPLACING THE EMPTY CYLINDER BANK.
PROVIDE AND INSTALL A RECESSED WALL MOUNTED, SELF CONTAINED ALARM PACKAGE WITH THIRTY TWO INDICATOR LAMPS. FOUR INDICATOR LAMPS WITH TWO LAMPS AS SPARES PER CYLINDER GAS SYSTEM. THE RELAY RECEPTACLES ARE MOUNTED IN THE ANNUNCIATOR CASE. THE ALARM PACKAGE SHALL HAVE ACKNOWLEDGE BUTTON, RESET BUTTON AND LAMP TEST BUTTON MOUNTED ON THE CASE. THE ALARM PACKAGE SHALL ALSO HAVE AN INTERNAL BUZZER WITH SILENCER SWITCH. ELECTRICAL REQUIREMENTS: 120V, 60HZ, 3AMPS WITH 12VDC RECTIFIER. PROVIDE MATCHING RELAYS FOR PRESSURE SWITCH TRANSISTOR OUTPUTS FOR EACH CYLINDER GAS SYSTEM.
MANUFACTURER: ISOTROL, SELF CONTAINED LAMP ANNUNCIATOR WITH THIRTY TWO INDICATOR LAMPS MODEL NO. BGRA-32.





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40 CYLINDER GAS FLOW DIAGRAM
NOT TO SCALE

000730

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Revisions
No. | Date

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

LAB PLUMBING DETAILS

SCALE: NONE

Project No. 18210.01
Date 11 APR 91
B BIDDING
Drawing No. LP2.04

PROJECT NO. 18210.01
TITLE
NO. | BOOK TITLE | INITIALS

STRUCTURAL SHEET LIST

S0.0	GENERAL NOTES
S0.1	TYPICAL DETAILS
S0.2	TYPICAL METAL DECK AND COMPOSITE DECKING DETAILS
S2.1	GROUND LEVEL – WEST FOUNDATION PLAN
S2.2	GROUND LEVEL – EAST FOUNDATION PLAN
S2.3	LEVEL ONE – WEST FRAMING PLAN
S2.4	LEVEL ONE – EAST FRAMING PLAN
S2.5	LEVEL TWO – WEST FRAMING PLAN
S2.6	LEVEL TWO – EAST FRAMING PLAN
S2.7	ROOF – WEST FRAMING PLAN
S2.8	ROOF – EAST FRAMING PLAN
S2.9	PARAPET & ROOF SCREEN FRAMING PLAN
S3.1	FOUNDATION DETAILS
S3.2	CONCRETE WALL ELEVATIONS & DETAILS
S3.3	CONCRETE WALL ELEVATIONS & DETAILS
S3.4	CONCRETE WALL SECTIONS
S3.5	CONCRETE WALL SECTIONS
S3.6	CONCRETE WALL SECTIONS
S3.7	CONCRETE SECTIONS & DETAILS
S3.8	CONCRETE SECTIONS & DETAILS
S4.1	COLUMN SCHEDULE
S4.2	BRACED FRAME ELEVATIONS
S4.3	BRACED FRAME ELEVATIONS
S5.1	TYPICAL STEEL DETAILS
S5.2	STEEL DETAILS
S5.3	STEEL DETAILS
S5.4	STEEL DETAILS
S5.5	STEEL DETAILS
S5.6	STEEL DETAILS
S5.7	STEEL DETAILS

STRUCTURAL STEEL FRAMING NOTES

1. MATERIALS: SEE III–D ABOVE FOR MATERIALS SPECIFICATIONS.

2. CODE: COMPLY WITH AISC "MANUAL OF STEEL CONSTRUCTION" NINTH EDITION FOR ALL TOLERANCES, EDGE DISTANCES, SPACINGS, MINIMUM WELD SIZES AND OTHER DETAILS NOT NOTED OR SHOWN.

3. CONNECTIONS: USE CONNECTIONS DESIGNATED AS "TYPICAL" WHERE SPECIFIC CONNECTION DETAILS ARE NOT CALLED. WHERE GEOMETRY OR OTHER CONDITIONS VARY FROM CONDITIONS OF THE TYPICAL CONNECTIONS, PROVIDE SIMILAR CONNECTIONS OF EQUAL STRENGTH.

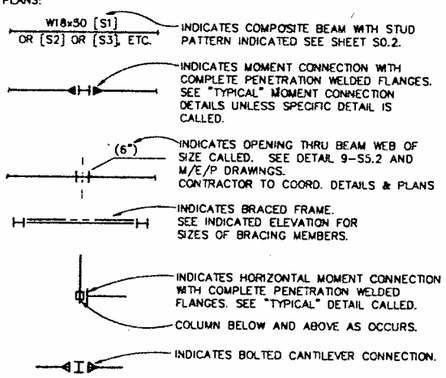
4. LOCATION OF MEMBERS: WHERE MEMBER LOCATIONS ARE NOT SPECIFICALLY DIMENSIONED ON PLANS, MEMBERS ARE LOCATED EITHER ON GRID LINES OR EQUALLY SPACED BETWEEN MEMBERS ON GRID LINES, OR MEMBERS OTHERWISE LOCATED. FOR LOCATION OF MEMBERS AT ANOMALOUS CONDITIONS SUCH AS FLOOR OPENINGS, SEE NOTE X.

5. OPENINGS: FOR FRAMING AT OPENINGS NOT NOTED ON PLANS, SEE TYPICAL DETAILS.

6. COMPOSITE CONSTRUCTION: ALL STEEL BEAMS AND GIRDERS HAVE WELDED STUDS U.O.N. SEE SHEET S0.2.

7. REFER TO SPECIFICATIONS FOR STAIR DESIGN REQUIREMENTS. COORDINATE ALL STAIR DETAILS AND LANDING ELEVATIONS WITH ARCHITECTURAL DRAWINGS. NOTIFY ARCHITECT OF ANY DISCREPANCIES. GENERIC STAIR DETAILS ARE SHOWN ON SHEETS A7.05, A70.6 AND S5.7.

8. LEGEND: THE FOLLOWING SYMBOLS HAVE BEEN USED ON THE FRAMING PLANS:



9. TOP OF STEEL (T.O.S.):

   A. GENERAL: WHERE NO T.O.S. ELEVATIONS ARE GIVEN ON PLANS THEN T.O.S. IS AT NORMAL LEVEL FOR THAT FLOOR AS DESCRIBED BELOW. T.O.S. ELEVATIONS WHERE GIVEN ON PLANS ARE IN FEET AND INCHES, AND ARE RELATIVE TO NORMAL T.O.S. ELEVATIONS GIVEN ON PLANS, AND ARE ONLY FOR THE END OF THE BEAM INDICATED; BEAMS SLOPE UNLESS BEAMS ARE INDICATED AS "LEVEL" OR SAME T.O.S. IS GIVEN AT BOTH ENDS. UNLESS OTHERWISE NOTED T.O.S. OF BEAMS IS LEVEL WITH THAT OF GIRDER BY WHICH IT IS SUPPORTED.

   B. NORMAL T.O.S. IS CONC. THICKNESS + DECK DEPTH BELOW FLOOR OR ROOF TOP OF CONCRETE ELEVATION.

   C. CONTRACTOR SHALL COORDINATE CAREFULLY BETWEEN T.O.S. ELEVATIONS AND T.O.C. ELEVATIONS, SINCE SEVERAL CONCRETE THICKNESSES AND DECKING DEPTHS MAY BE USED AT THE SAME FLOOR LEVEL. DISCREPANCIES, IF ANY, SHALL BE BROUGHT TO THE ATTENTION OF ARCHITECT FOR RESOLUTION BEFORE FABRICATION.

V. FIREPROOFING OF STRUCTURAL STEEL (07255):

   A. THIS BUILDING IS DESIGNED TO BE TYPE II ONE HOUR CONSTRUCTION. FIRE SPRINKLERS SUBSTITUTE FOR THE REQUIRED ONE HOUR FIRE RATING. NO SPRAYED–ON FIREPROOFING IS REQUIRED.

VI. DEMOLITION: SAFETY OF PERSONNEL AND PROPERTY DURING ANY DEMOLITION WORK IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR. BEFORE DEMOLITION BEGINS, THE CONTRACTOR SHALL INSPECT EXISTING CONSTRUCTION TO IDENTIFY DEFECTS AND STRUCTURAL WEAKNESSES WHICH MAY AFFECT THE SAFETY OF HIS WORK. CONTRACTOR SHALL TAKE APPROPRIATE MEASURES TO ASSURE THAT THESE DEFECTS AND WEAKNESSES ARE REMEDIED PRIOR TO PROCEEDING WITH THE DEMOLITION.

VII. HAZARDOUS MATERIALS IN EXISTING CONSTRUCTION:

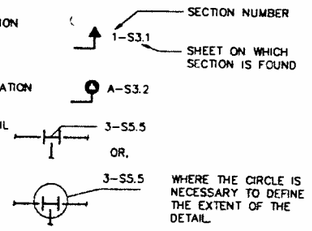
RUTHERFORD & CHEKENE ASSUMES NO RESPONSIBILITY FOR THE MANAGEMENT OF HAZARDOUS MATERIALS THAT MAY BE ON THIS SITE.

   A. RUTHERFORD & CHEKENE HAS NOT PERFORMED INVESTIGATIONS TO DETERMINE THE PRESENCE OF HAZARDOUS MATERIALS. THE OWNER WILL PROVIDE THE RESULTS OF SUCH INVESTIGATIONS, IF THEY HAVE BEEN PERFORMED.

   B. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING THAT PERSONNEL WITHIN THE WORK AREA ARE PROTECTED FROM EXPOSURE TO HAZARDOUS MATERIALS. IF HAZARDOUS MATERIALS ARE DISCOVERED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER AND CEASE WORK UNTIL CONDITIONS CAN BE MAINTAINED IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS.

VIII. DRAWING SYMBOLS

   A. THE SYMBOLS ON PLANS TO INDICATE SECTIONS, ELEVATIONS AND DETAILS ARE AS FOLLOWS:



   B. SEE STRUCTURAL STEEL FRAMING NOTES, WHICH FOLLOW, AND FOUNDATION NOTES ON SHEET S2.1 FOR ADDITIONAL SYMBOLS.

IX. ABBREVIATIONS

THE FOLLOWING ABBREVIATIONS MAY BE USED IN THESE DRAWINGS TO DENOTE THE WORDS INDICATED.

A.B.	ANCHOR BOLT
B.O.F.	BOTTOM OF FOOTING
B.S.	BOTH SIDES
C.J.	CONSTRUCTION JOINT
C.O.	SUBDRAIN CLEAN OUT
C.P.	COMPLETE PENETRATION
CONT.	CONTINUOUS
E.F.	EACH FACE
E.J.	EXPANSION JOINT
E.W.	EACH WAY
ELEV. OR EL.	ELEVATION
EMBED	EMBEDMENT
F.F.	FAR FACE OR FINISHED FLOOR
F.O.C.	FACE OF CONCRETE
H.S.B.	HIGH STRENGTH BOLT (A325 SLIP CRITICAL, U.O.N.)
HK	HOOK
L.L.H.	LONG LEG HORIZONTAL
L.L.V.	LONG LEG VERTICAL
M.B.	UNFINISHED MACHINE BOLT (ASTM A307)
MAX	MAXIMUM
MIN	MIN
N.F.	NEAR FACE
N.I.C.	NOT IN CONTRACT
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
O.H.	OPPOSITE HAND
OPNG	OPENING
R/F	REINFORCING
REINF.	REINFORCING
S.A.D.	SEE ARCHITECTURAL DRAWINGS
S.C.D.	SEE CIVIL DRAWINGS
S.E.D.	SEE ELECTRICAL DRAWINGS
S.M.D.	SEE MECHANICAL DRAWINGS
SIM.	SIMILAR
STIRR	STIRRUP
SYM.	SYMMETRICAL
T & B	TOP AND BOTTOM
T.O.C.	TOP OF CONCRETE
TYP.	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED
U.T.	ULTRASONIC TEST
W.P.	WORK POINT
X.S.	EXTRA STRONG
X.X.S.	DOUBLE EXTRA STRONG

X. DIMENSIONING

THESE DOCUMENTS SHOULD BE CONSIDERED AS A PART OF THE COMPLETE DRAWING SET, INCLUDING THOSE OF ALL DISCIPLINES. IT IS INTENDED THAT THE STRUCTURAL DRAWINGS WILL PROVIDE SUFFICIENT DIMENSIONS TO LOCATE THE PRIMARY STRUCTURAL ELEMENTS AND MEMBERS. LOCATION OF SECONDARY MEMBERS WHICH IS AFFECTED BY SYSTEMS DETAILED BY OTHERS MAY REQUIRE REFERENCE TO THE DRAWINGS OF THOSE OTHER DISCIPLINES AND LAYOUT AND COORDINATION BY THE CONTRACTOR. IF DIRECT CONFLICT BETWEEN DIMENSIONS OF TWO OR MORE DISCIPLINES IS ENCOUNTERED, SUCH CONFLICT SHALL BE RESOLVED BY THE ARCHITECT.

GENERAL NOTES

I. SPECIFICATIONS: FOR MORE COMPLETE INFORMATION, SEE SPECIFICATIONS. SPECIFICATIONS SHALL TAKE PRECEDENCE OVER THESE NOTES IN THE EVENT OF CONFLICT. SPECIFICATION SECTION REFERENCES ARE GIVEN IN PARENTHESIS.

II. DESIGN CRITERIA:

   A. CODE: UNIFORM BUILDING CODE, 1988, WITH CITY OF LOS ANGELES 1990 AMENDMENTS.

   B. LIVE LOADS:

      1. LABORATORY: 100 PSF*.
      2. OFFICE: 80 PSF.
      3. ROOF: 20 PSF.
      4. MECHANICAL SPACES: AS REQUIRED (50 PSF MIN.).

      * THIS IS THE MINIMUM DESIGN LOAD USED FOR STRENGTH CALCULATIONS. BECAUSE OF THE FLOOR VIBRATION CRITERION AS DESCRIBED IN SECTION C, THE ACTUAL LIVE LOAD CAPACITIES OF THE SLABS, BEAMS, GIRDERS AND CONNECTIONS ARE TYPICALLY HIGHER THAN THE MINIMUM.

   C. FLOOR VIBRATION: LABORATORY FLOORS ARE DESIGNED TO PROVIDE VIBRATION RESISTANCE TO LIMIT "TYPICAL WALKER" RESPONSE TO A VELOCITY OF APPROXIMATELY 2000 MICRO INCHES PER SEC. CONFORMANCE TO THIS STANDARD HAS BEEN CONFIRMED BY THE VIBRATION CONSULTANT.

   D. LATERAL LOADS:

      1. SEISMIC: $V = \frac{ZIC}{R_w} W$ WITH $Z = 0.4$, $I = 1.5$*, $S = 1.2$, $R_w = 8$ (LONGITUDINAL), $= 12$ (TRANSVERSE)

      $$C = \frac{1.25S}{T^{2/3}}$$

      2. WIND: PER UBC 88, EXPOSURE C, 70 MPH.

      * OWNERS CRITERION –– NOT REQUIRED BY CODE CODE ENFORCEMENT TO BE FOR I = 1.0.

III. MATERIALS

   A. REINFORCING STEEL (03200): ASTM A615 GRADE 60 (ASTM A706 WHERE "DUCTILE" REINFORCING IS CALLED FOR, OR BARS ARE TO BE WELDED).

   B. COUPLERS FOR REINFORCING STEEL: SEE SPECIFICATIONS.

   C. CONCRETE (03300):

CLASS	f'c	SHRINKAGE CONTROL	USE
A	3000	NO	FOUNDATIONS U.O.N.
B	4000	YES	WALLS
C	3500	YES	SLAB ON GRADE & FILL ON METAL DECK

   D. CONCRETE MASONRY UNIT (04200)

      ASTM C90, GRADE N, TYPE I, OPEN UNITS, f'm=1500 PSI.

   E. STRUCTURAL STEEL (05100):

      1. SHAPES, PLATES (EXCEPT AS OTHERWISE NOTED): ASTM A36.
      2. SHAPES, PLATES NOTED: ASTM A572 GRADE 50.
      3. HIGH STRENGTH BOLTS (EXCEPT AS OTHERWISE NOTED): ASTM A325 SLIP CRITICAL.
      4. ANCHOR BOLTS: ASTM A307 OR A36 HEADED (EXCEPT AS OTHERWISE NOTED) HIGH STRENGTH ANCHOR BOLTS AS NOTED: ASTM A354 GR. BD.
      5. MACHINE BOLTS: ASTM A307.
      6. STRUCTURAL TUBES: ASTM A500 GRADE B.
      7. PIPES: ASTM A53.
      8. STUDS FOR COMPOSITE BEAMS. STRUCTURAL STEEL FRAMING NOTES BELOW.
      9. DRILLED EXPANSION ANCHORS. KWIK BOLT BY HILTI OR EQUAL.

   F. METAL DECK (05300):

      1. TYPE A: 2 INCH, COMPOSITE TYPE, 20 GA. SAME AS VERCO MANUFACTURING CO.'S "W2 FORMLOK" OR EQUAL.

IV. FOUNDATION DESIGN:

FOUNDATION AND RETAINING WALL DESIGN IS BASED ON THE REPORT ENTITLED: "REPORT OF GEOTECHNICAL INVESTIGATION PROPOSED REGIONAL REFERENCE LABORATORY LANKERSHIM BLVD. AND SHERMAN WAY, NORTH HOLLYWOOD, CALIFORNIA", PREPARED BY LEROY CRANDALL AND ASSOC. AND DATED MARCH 26, 1990.

   A. SPREAD FOOTINGS: ALLOWABLE BEARING PRESSURES (NET) FOR FOOTINGS BEARING IN DENSE, UNDISTURBED NATURAL SOILS (BELOW THE EXISTING FILL SOILS).

      1. DEAD PLUS LIVE LOADS: 6000 PSF
      2. DEAD PLUS LIVE PLUS SEISMIC (OR WIND) 8000 PSF

   B. SPREAD FOOTINGS: LIGHT LOADS BEARING IN COMPACTED FILL OR UNDISTURBED NATURAL SOILS: 2000 PSF.

   C. RETAINING WALLS:

      1. CANTILEVER WALLS: 30 PCF EQUIVALENT FLUID PRESSURE.
      2. RESTRAINED WALLS: TRAPEZOIDAL LOAD WITH MAXIMUM PRESSURE OF 22 H OVER MIDDLE 0.6 H, WHERE H = HEIGHT OF WALL IN FT.
      3. SURCHARGES: SEE REPORT.

000731

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Laboratory Electrical Engineer

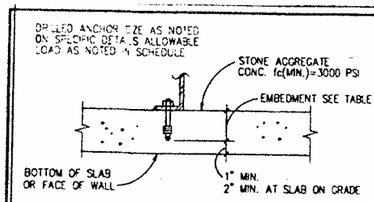
Revisions
No. Date

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood - Los Angeles, California

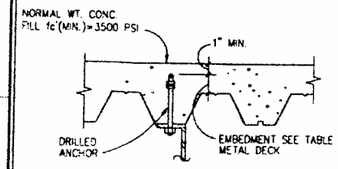
Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

GENERAL NOTES

Project No.		Drawing No.
19210.01	B	S0.0
Date 4-1-91	BID	



AT CONCRETE SLAB OR WALL



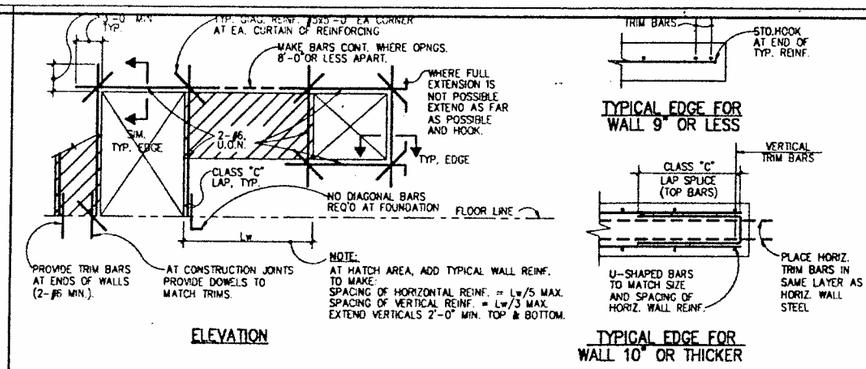
AT METAL DECK

ALLOWABLE LOADS FOR DRILLED ANCHORS (POUNDS)					
DIAMETER	MINIMUM EMBEDMENT	STONE AGGREGATE CONCRETE		LIGHTWEIGHT AGGR. CONC.	
		SHEAR	TENSION	SHEAR	TENSION
1/4"	1 1/8"	515	290	415	185
3/8"	1 5/8"	1065	550	955	270
1/2"	2 1/4"	1895	1215	1565	535
5/8"	2 3/4"	2730	1440	2345	800
3/4"	3 1/4"	3660	2200	3200	1205
1"	4 1/2"	6500	3610	-	-
1 1/4"	5 1/2"	8680	4360	-	-

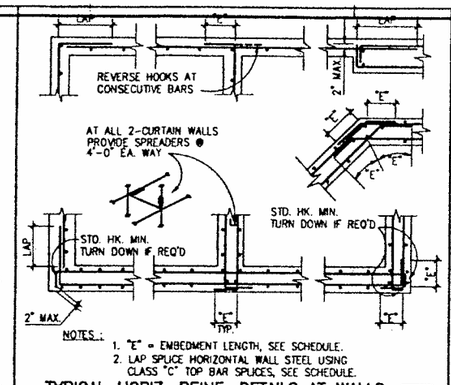
NOTES

1. ALLOWABLE LOADS AS NOTED IN THE TABLE WERE ASSUMED IN SELECTING THE DRILLED ANCHOR SIZES NOTED ON THE DRAWINGS. THE LOADS LISTED CORRESPOND TO THE ICBO APPROVED VALUES FOR THE "KWIKBOLT II" CONCRETE ANCHORS BY HILTI FASTENING SYSTEM, LARR NO. 24946 ICBO REPORT NO. 4627. SPECIAL INSPECTION IS REQUIRED FOR ALL DRILLED ANCHORS.
2. SUBSTITUTION OF OTHER ICBO APPROVED ANCHORS WILL BE ACCEPTED BY THE STRUCTURAL ENGINEER PROVIDED THAT THE FOLLOWING CRITERIA ARE MET.
   a. ICBO APPROVED CAPACITIES IN TENSION AND SHEAR EQUAL OR EXCEED THE VALUES LISTED.
   b. THE LOADS USED FOR A GIVEN SIZE DO NOT EXCEED THOSE ALLOWED FOR THE SAME SIZE CAST-IN-PLACE ANCHOR BOLT WITH SPECIAL INSPECTION (1988 UBC TABLE 26F WITH 100% INCREASE).
3. INCREASE OF ALLOWABLE LOADS FOR COMBINATION WITH WIND OR SEISMIC FORCES IS NOT PERMITTED.
4. INSTALLATION MUST BE ACCORDING TO THE REQUIREMENTS OF THE ICBO RESEARCH COMMITTEE RECOMMENDATIONS FOR THE SPECIFIC ANCHOR
5. FIELD TESTING: 50% OR ALTERNATE ANCHORS IN A GROUP SHALL BE TENSION TESTED TO TWICE THE ALLOWABLE TENSION VALUE. IF ANY ANCHOR FAILS, THEN THE IMMEDIATE ADJACENT BOLT MUST ALSO BE TESTED. THE TENSION TESTING OF THE ANCHORS SHALL BE DONE IN THE PRESENCE OF THE PROJECT INSPECTOR.

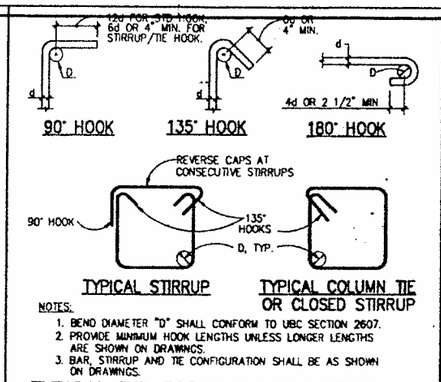
TYPICAL DRILLED ANCHORS 18



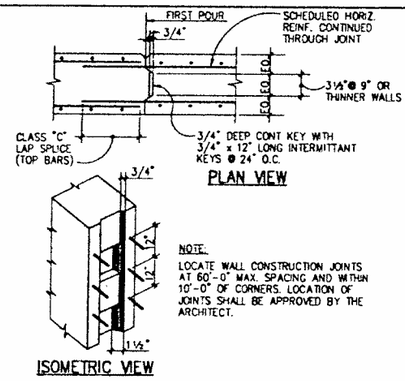
TYPICAL REINFORCING AT OPENINGS AND EDGES OF CONCRETE WALLS 12



TYPICAL HORIZ. REINF. DETAILS AT WALLS, GRADE BEAMS AND CONTINUOUS FOOTINGS 8



TYPICAL REINFORCING BAR HOOKS AND BENDS AND STIRRUPS AND TIES 4

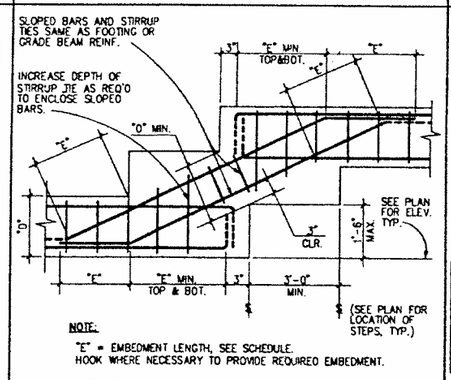


TYPICAL VERTICAL CONSTRUCTION JOINT IN CONCRETE WALL 15

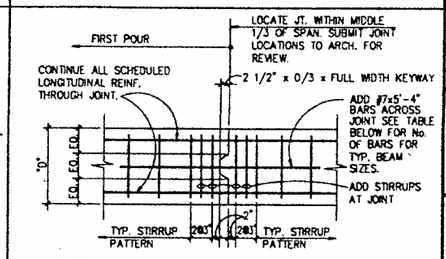
CONCRETE STRENGTH	F'c = 3000 PSI				F'c = 4000 PSI			
CLASS OF LAP SPLICE	CLASS "B"		CLASS "C"		CLASS "B"		CLASS "C"	
BAR SIZE / CASE	BASIC	TOP BAR	BASIC	TOP BAR	BASIC	TOP BAR	BASIC	TOP BAR
#3	1'-0"	1'-4"	1'-3"	1'-9"	1'-0"	1'-4"	1'-3"	1'-9"
#4	1'-4"	1'-10"	1'-8"	2'-5"	1'-4"	1'-10"	1'-8"	2'-5"
#5	1'-8"	2'-3"	2'-2"	3'-0"	1'-8"	2'-3"	2'-2"	3'-0"
#6	2'-1"	2'-11"	2'-9"	3'-10"	1'-11"	2'-9"	2'-7"	3'-7"
#7	2'-10"	4'-0"	3'-9"	5'-2"	2'-6"	3'-5"	3'-3"	4'-6"
#8	3'-9"	5'-3"	4'-11"	6'-10"	3'-3"	4'-7"	4'-3"	5'-11"
#9	4'-9"	6'-8"	6'-2"	8'-8"	4'-1"	5'-9"	5'-5"	7'-6"
#10	6'-0"	8'-5"	7'-11"	11'-0"	5'-3"	7'-4"	6'-10"	9'-7"
#11	7'-5"	10'-4"	9'-8"	13'-7"	6'-5"	9'-0"	8'-5"	11'-9"

NOTES:
1. USE CLASS "C" SPLICES UNLESS SPECIFICALLY NOTED CLASS "B" ON DRAWINGS.
2. TOP BARS ARE HORIZONTAL BARS WITH 12" OR MORE OF CONCRETE CAST BELOW THEM.

TYPICAL REINFORCING BAR LAP SPLICES 11



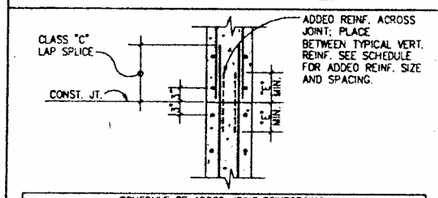
TYPICAL STEPPED FOOTING OR GRADE BEAM 7



No. OF ADDED #7 BARS ACROSS JOINT					
		FOR BEAM WIDTH LESS THAN			
FOR BEAM "D" LESS THAN		2'-0"	3'-0"	4'-0"	5'-0"
	16"	0	0	0	0
	28"	2	3	4	5
	40"	4	6	8	10
	52"	6	9	12	15

NOTE: FOR LARGER BEAMS, EXTRAPOLATE FROM TABLE.

TYPICAL CONSTRUCTION JOINT IN CONCRETE BEAM OR GRADE BEAM 3



SCHEDULE OF ADDED JOINT REINFORCING				
WALL THICKNESS	8"	10"	12"	16"
ADDED REINFORCING	#5@12"	#4@16" EACH FACE	#4@12" EACH FACE	#5@12" EACH FACE

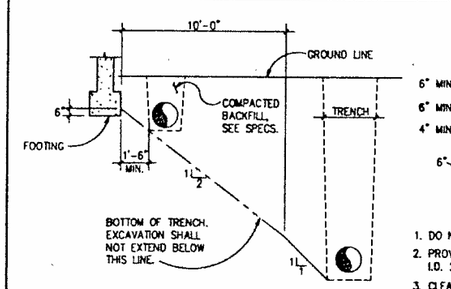
NOTES:
1. JOINT SURFACE SHALL BE CLEAN AND FREE OF LAITANCE AND ROUGHENED TO EXPOSE AGGREGATE FIRMLY EMBEDDED IN MORTAR TO A FULL 1/4" AMPLITUDE.
2. "E" = EMBEDMENT LENGTH, SEE SCHEDULE.
3. JOINT OF WALL TO FOOTING AND JOINT OF CONCRETE SLAB TO WALL ARE SIMILAR.

TYPICAL HORIZONTAL CONSTRUCTION JOINT IN CONCRETE WALL 14

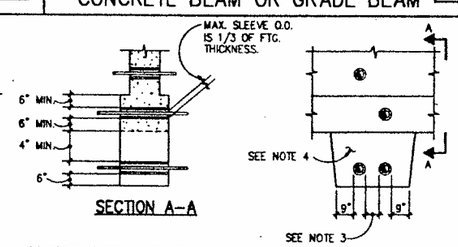
CONCRETE STRENGTH	F'c = 3000 PSI		F'c = 4000 PSI	
BAR SIZE / CASE	BASIC	TOP BAR	BASIC	TOP BAR
#3	1'-0"	1'-1"	1'-0"	1'-1"
#4	1'-0"	1'-5"	1'-0"	1'-5"
#5	1'-3"	1'-9"	1'-3"	1'-9"
#6	1'-7"	2'-3"	1'-6"	2'-1"
#7	2'-2"	3'-1"	1'-11"	2'-8"
#8	2'-11"	4'-0"	2'-6"	3'-6"
#9	3'-8"	5'-1"	3'-2"	4'-5"
#10	4'-8"	6'-6"	4'-0"	5'-7"
#11	5'-8"	8'-0"	4'-11"	6'-11"

NOTES:
1. USE EMBEDMENT SHOWN ABOVE FOR ALL BARS IN NORMAL WEIGHT CONCRETE U.O.N. ON DRAWINGS.
2. TOP BARS ARE HORIZONTAL BARS WITH 12" OR MORE OF CONCRETE CAST BELOW THEM.

TYPICAL REINFORCING BAR EMBEDMENT 10



PARALLEL TO FOOTINGS

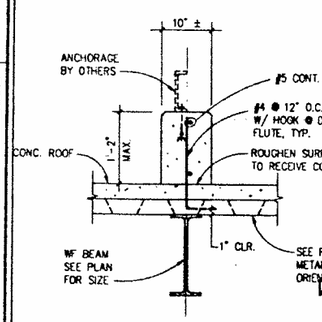


SECTION A-A

1. DO NOT PASS PIPES UNDER OR THROUGH ISOLATED SPREAD FOOTINGS.
2. PROVIDE SLEEVES FOR ALL PIPES PASSING THROUGH CONCRETE WITH I.D. 2" LARGER THAN PIPE.
3. CLEARANCE BETWEEN ADJACENT SLEEVES SHALL BE LESS THAN DIA. OF LARGER SLEEVE OR 6" MINIMUM.
4. FOR PIPES BELOW FOOTINGS, EXCAVATE AS SHOWN AND FILL WITH CONCRETE PRIOR TO PLACING FOOTING.

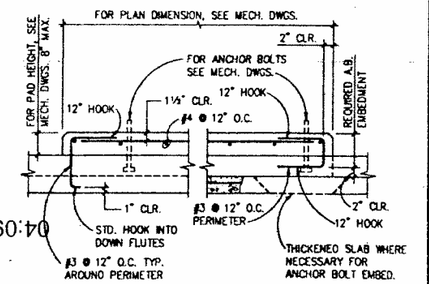
PERPENDICULAR TO FOOTINGS

TYPICAL PIPE TRENCHES AND PENETRATIONS AT FOOTINGS AND GRADE BEAMS 2



CONCRETE CURB AT SLAB ON METAL DECK 17

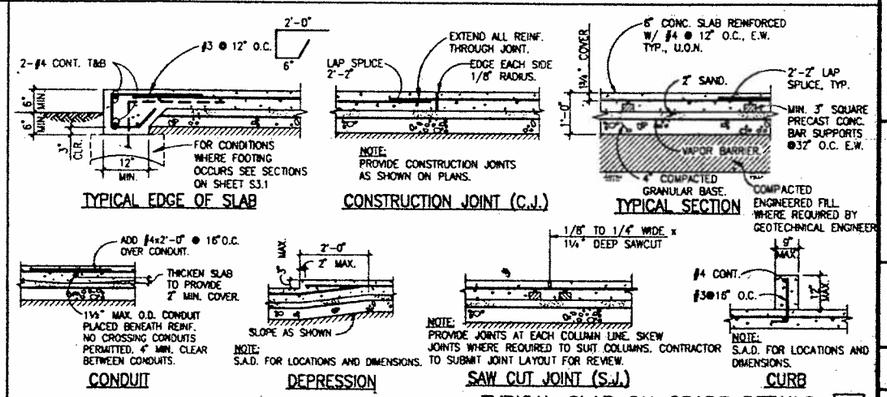
NOTES:
1. COAT ENTIRE CONTACT SURFACE WITH BONDING AGENT PRIOR TO PLACING PAD.
2. CONSTRUCT PAD USING SAME CONCRETE AS SUPPORTING SLAB BELOW.
3. SEE MECHANICAL DRAWINGS FOR SIZE AND LOCATION OF EQUIPMENT PADS.



CONCRETE PAD 13

MINIMUM CONCRETE COVER FOR REINFORCING STEEL (FROM SURFACE OF CONCRETE TO SURFACE OF STEEL)	
SURFACE CAST AGAINST EARTH (EXCEPT SLAB ON GRADE)	3"
SURFACE EXPOSED TO EARTH OR WEATHER (NOTE: ADD DEPTH OF REVEAL TO CONCRETE COVER)	
NO. 6 AND LARGER BAR	2"
NO. 5 AND SMALLER BAR OR WWF	1 1/2"
SURFACE NOT EXPOSED TO EARTH OR WEATHER	
STRUCTURAL SLAB TO BOTTOM BARS	1"
STRUCTURAL SLAB TO TOP BARS	3/4"
WALL	1"
JOIST OR WAFFLE TO STIRRUPS	1"
BEAM TO STIRRUPS	1 1/2"
COLUMN TO SPIRAL OR TIES	1 1/2"
SHOTCRETE WALL AT FORMED FACE	2"

CONCRETE PROTECTION FOR REINFORCING STEEL 9



TYPICAL SLAB ON GRADE DETAILS 1

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Landscape Architect

EARL WALLS ASSOCIATES
5348 Carroll Canyon Road
San Diego, California 92121

Laboratory Architect

Laboratory Mechanical Engineer

Laboratory Electrical Engineer

Revisions

No.	Date

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

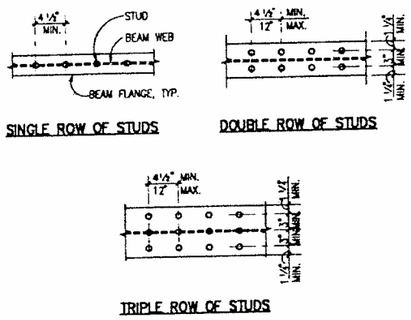
TYPICAL DETAILS

Project No.		Drawing No.
19210.01	B	S0.1
Date 4-1-91	BKD	

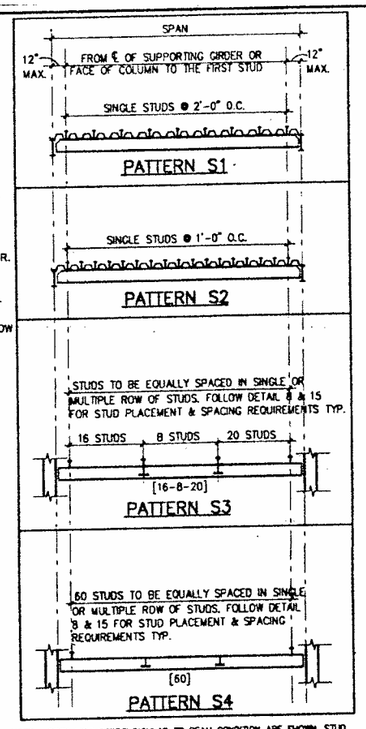
000732

SHEAR STUD NOTES:

1. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. ALL WELDED STUDS SHALL BE 3/4" DIAMETER. STUD LENGTH (AS WELDED) SHALL BE 4" FOR DECK TYPE "A".
3. SHEAR STUDS WELDED THROUGH THE DECK, WITH A MINIMUM CLEARANCE OF 1" FROM THE EDGE OF THE DECK TO THE STUD CENTER LINE, MAY BE SUBSTITUTED ONE FOR ONE FOR DECK WELDS. ALIGN AND SECURE DECK IN POSITION AS REQUIRED BEFORE INSTALLING SHEAR STUDS.
4. ALL BEAMS AND GIRDERS WHICH ARE COVERED BY METAL DECK AND CONCRETE FILL SHALL HAVE SHEAR STUDS.
5. SEE PLANS FOR THE SPECIFIC STUD PATTERN REQUIRED AT EACH MEMBER. WHERE STUD PATTERN IS NOT CALLED FOR ON THE PLANS, PLACE STUDS PER PATTERN S1 ON BEAMS AND GIRDERS.
6. MULTIPLE ROWS OF STUDS CAN BE USED TO PROVIDE TOTAL NUMBER OF REQUIRED STUDS PER DETAIL 15. USE MULTIPLE ROWS OF STUDS IF EITHER REQUIRED NUMBER OF STUDS CAN NOT BE PLACED IN SINGLE ROW OR SHOWN AS SUCH.
7. SHEAR STUD PLACEMENT AND SPACING REQUIREMENTS ARE SHOWN IN DETAILS 8 AND 15.



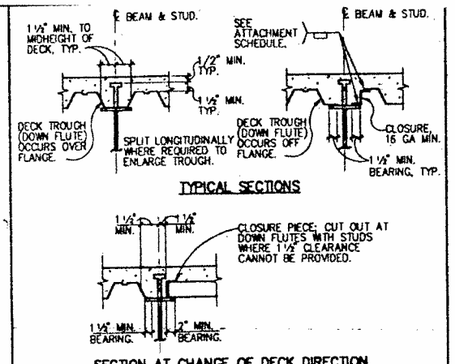
SHEAR STUD MINIMUM SPACING 15



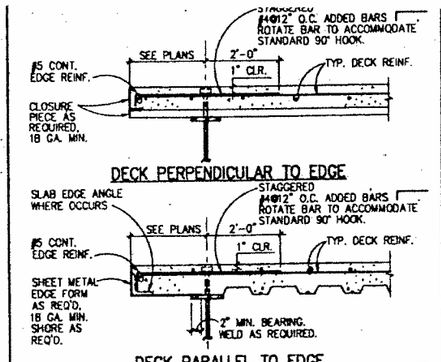
NOTE: DECK RIBS PERPENDICULAR TO BEAM CONDITION ARE SHOWN. STUD PATTERNS FOR DECK RIB PARALLEL TO BEAM CONDITION ARE SIMILAR.

SHEAR STUD PLACEMENT PATTERNS

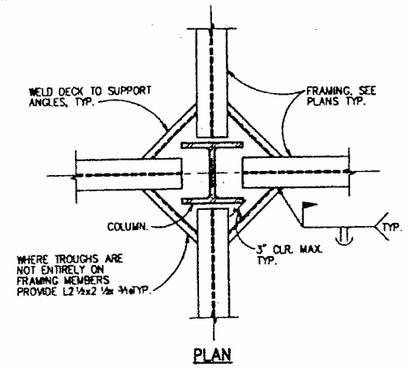
SHEAR STUD DETAILS FOR COMPOSITE STEEL BEAMS 11



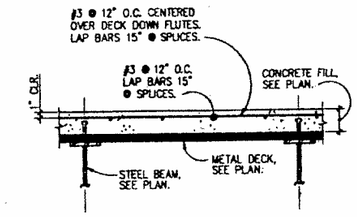
DECK & SHEAR STUD PLACEMENT 8



TYPICAL EDGE OF DECK DETAILS 4

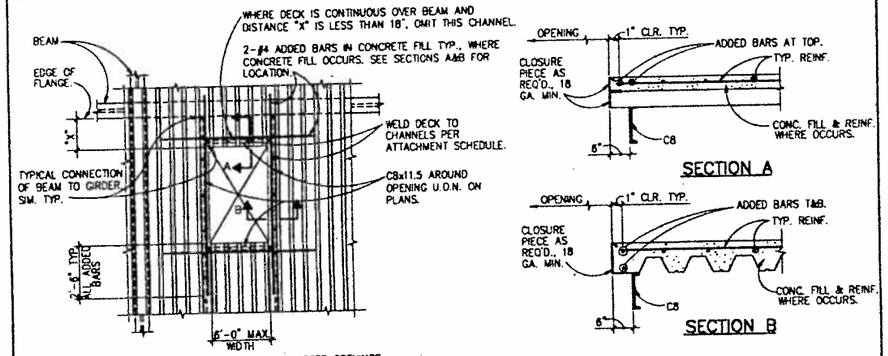


DECK SUPPORT AT COLUMN 7



NOTE: WELDED WIRE FABRIC OF EQUAL OR GREATER AREA MAY BE SUBSTITUTED FOR SLAB REBAR REINF. LAP WWF 12" AT SPLICE POINTS.

TYPICAL REINFORCING FOR CONCRETE FILL OVER METAL DECK 3



NOTE: SEE PLANS FOR REINFORCING AT LARGER OPENINGS.

PLAN

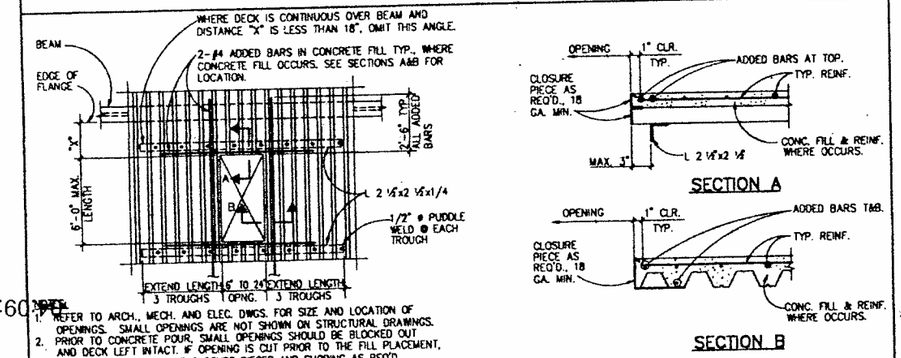
LARGE OPENING IN METAL DECK 10

DECK TYPE	ATTACHMENT PATTERN			DIAPHRAGM SHEAR
	TO SUPPORT PERPENDICULAR TO DECK RIBS	TO SUPPORT PARALLEL TO DECK RIBS	DECK TO DECK SIDE LAPS	
A	1/2"@ PUDDLE WELD ALL DOWN FLUTES	1/2"@ PUDDLE WELD @12" O.C.	BUTTON PUNCH DECK TO DECK @24" O.C.	N/A
B	DO	DO	DO	N/A

NOTES:

1. DIAMETER OF PUDDLE WELD SHOWN REPRESENTS EFFECTIVE FUSION AREA.
2. SHEAR CONNECTOR STUDS WELDED THROUGH THE DECK WITH A MINIMUM CLEARANCE OF 1 INCH FROM THE EDGE OF DECK TO THE STUD CENTERLINE MAY BE SUBSTITUTED ONE FOR ONE FOR DECK PUDDLE WELDS.
3. DIAPHRAGM SHEAR IS ICBO ALLOWABLE DIAPHRAGM SHEAR FOR DECK OR DECK + FILL INSTALLED IN ACCORDANCE WITH CONTRACT DOCUMENTS.

METAL DECK ATTACHMENT SCHEDULE 2

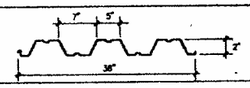
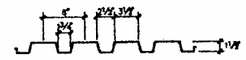


NOTES:

1. REFER TO ARCH., MECH. AND ELEC. DWGS. FOR SIZE AND LOCATION OF OPENINGS. SMALL OPENINGS ARE NOT SHOWN ON STRUCTURAL DRAWINGS.
2. PRIOR TO CONCRETE POUR, SMALL OPENINGS SHOULD BE BLOCKED OUT AND DECK LEFT INTACT. IF OPENING IS CUT PRIOR TO THE FILL PLACEMENT, CONTRACTOR TO PROVIDE CLOSURE PIECES AND SHORING AS REQ'D.
3. HOLES LESS THAN 6" IN MAX. DIMENSION PERPENDICULAR TO FLUTES AND CUTTING NO MORE THAN 1 WEB NEED NO REINFORCEMENT.
4. MULTIPLE OPENINGS WITH A CLEAR DISTANCE LESS THAN 3x THE SIZE OF THE LARGER OPENING SHALL BE CONSIDERED A SINGLE OPENING.

PLAN

SMALL OPENING IN METAL DECK 9

A	20	2"	0.423	0.47		COMPOSITE DECK
B	16	1 1/2"	0.377	4.5		
TYPE	GAUGE	DEPTH (INCHES)	I (IN⁴/FT)	F FACTOR	PROFILE	REMARKS

METAL DECK NOTES:

1. WHERE POSSIBLE, DECK LAYOUT SHALL PROVIDE SHEETS OF SUFFICIENT LENGTH TO CONTINUOUSLY SPAN AT LEAST THREE SPANS. ENDS SHALL TERMINATE OVER A SUPPORT PERPENDICULAR TO THE DECK SPAN, EXCEPT AT OPENINGS OR BUILDING EDGES WHERE DECKS MAY BE CANTILEVERED AS SHOWN.
2. WHEN DECK IS CONTINUOUS OVER THREE SPANS, DECK DOES NOT REQUIRE VERTICAL SHORING DURING CONCRETE FILL PLACEMENT. FOR OTHER LAYOUTS, INCLUDING CANTILEVERED EDGES, SHORE DECK AS REQUIRED BY MANUFACTURER.
3. DECK SHALL HAVE A MINIMUM BEARING OF 2" AT ALL SUPPORTING MEMBERS PERPENDICULAR TO DECK SPAN AND 1 1/2" AT ALL MEMBERS PARALLEL TO DECK SPAN.
4. WHERE TWO ADJACENT DECK SHEETS ARE SUPPORTED BY ONE FRAMING MEMBER, EACH SHEET SHALL INDIVIDUALLY SATISFY THE REQUIREMENTS OF NOTE 3 AND OF THE ATTACHMENT SCHEDULE.
5. DO NOT SUSPEND PIPING, LIGHT FIXTURES, CONDUITS OR OTHER UTILITIES FROM METAL DECK WITHOUT ARCHITECT'S APPROVAL. ANCHORAGE OF APPROVED ITEMS MUST CONFORM WITH DECK MANUFACTURER'S RECOMMENDATIONS.
6. DO NOT PLACE CONDUITS OR OTHER PIPES IN CONCRETE FILL OVER METAL DECK.
7. SEE PLANS FOR TYPE, EXTENT AND DIRECTION OF DECK, THICKNESS OF CONCRETE FILL OVER DECK, EDGE DISTANCES AND FOR LOCATIONS AND SIZES OF OPENINGS, CHANGE IN ELEVATION AND OTHER NON-TYPICAL CONDITIONS.

METAL DECK MINIMUM PROPERTIES AND PROFILES 1

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Structural Engineer

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Mechanical Engineer

Electrical Engineer

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Landscape Architect

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Laboratory Mechanical Engineer

Laboratory Electrical Engineer

Revisions

No.	Date

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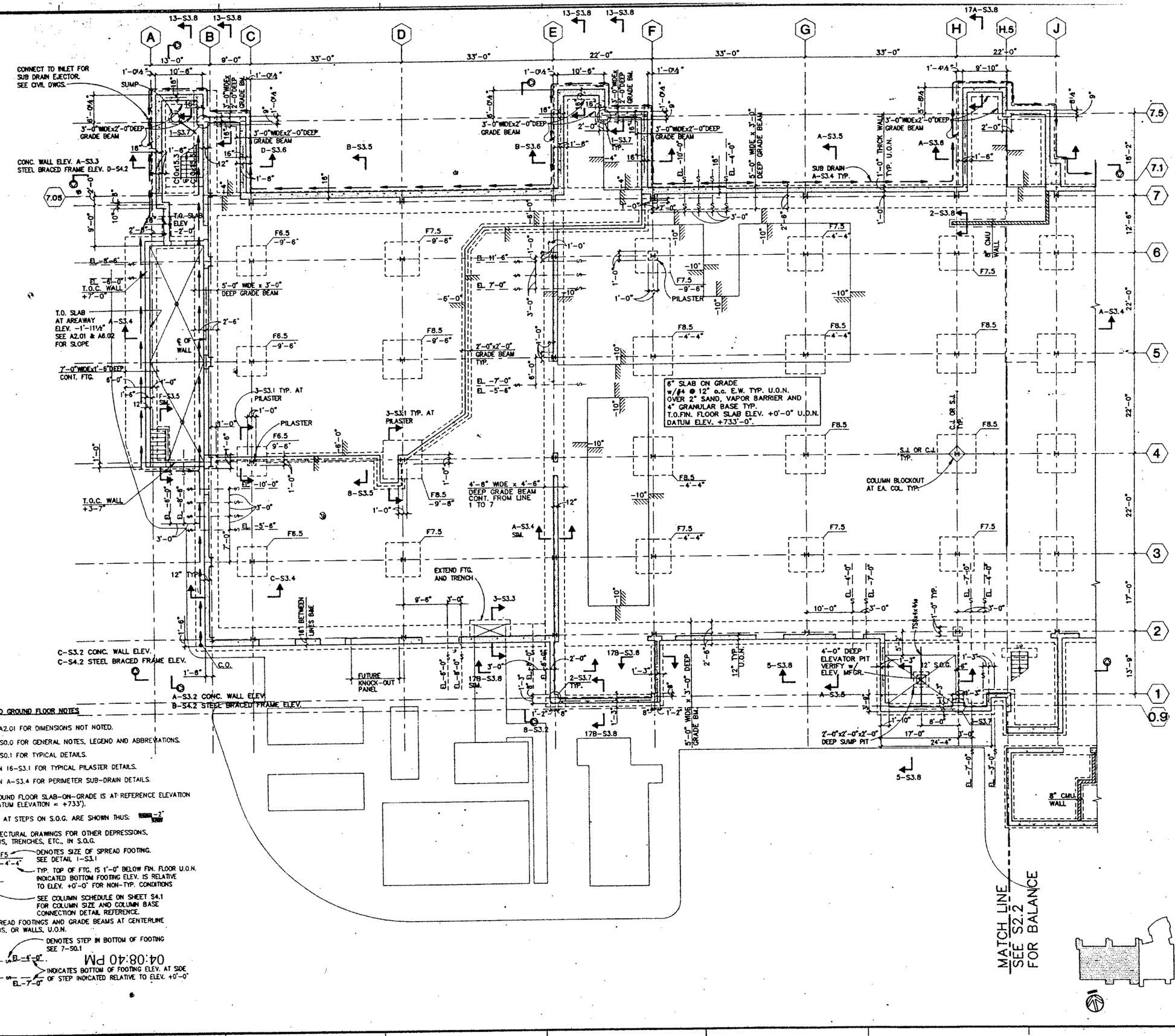
Sherman Way at Lankershim Boulevard
North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

TYPICAL METAL DECK AND COMPOSITE DECKING DETAILS

Project No.		Drawing No.
19210.01	B	S0.2
Date 4-1-91	BRD	

000733



FOUNDATION AND GROUND FLOOR NOTES

1. SEE SHEET A2.01 FOR DIMENSIONS NOT NOTED.
2. SEE SHEET S0.0 FOR GENERAL NOTES, LEGEND AND ABBREVIATIONS.
3. SEE SHEET S0.1 FOR TYPICAL DETAILS.
4. SEE SECTION 16-S3.1 FOR TYPICAL PILASTER DETAILS.
5. SEE SECTION A-S3.4 FOR PERIMETER SUB-DRAIN DETAILS.
6. TOP OF GROUND FLOOR SLAB-ON-GRADE IS AT REFERENCE ELEVATION +0'-0" (DATUM ELEVATION = +733').
7. ELEVATIONS AT STEPS ON S.O.G. ARE SHOWN THUS: -2"
8. SEE ARCHITECTURAL DRAWINGS FOR OTHER DEPRESSIONS, CURBS, PADS, TRENCHES, ETC., IN S.O.G.

PILASTER WHERE OCCURS

F5 — DENOTES SIZE OF SPREAD FOOTING. SEE DETAIL 1-S3.1

-4'-4" — TYP. TOP OF FTG. IS 1'-0" BELOW FIN. FLOOR U.O.N. INDICATED BOTTOM FOOTING ELEV. IS RELATIVE TO ELEV. +0'-0" FOR NON-TYP. CONDITIONS

SEE COLUMN SCHEDULE ON SHEET S4.1 FOR COLUMN SIZE AND COLUMN BASE CONNECTION DETAIL REFERENCE.

9. CENTER SPREAD FOOTINGS AND GRADE BEAMS AT CENTERLINE OF COLUMNS, OR WALLS, U.O.N.

10. DENOTES STEP IN BOTTOM OF FOOTING SEE 7-S0.1

EL -4'-0" — INDICATES BOTTOM OF FOOTING ELEV. AT SIDE OF STEP INDICATED RELATIVE TO ELEV. +0'-0"

EL -7'-0"

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SMP

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No. | Date

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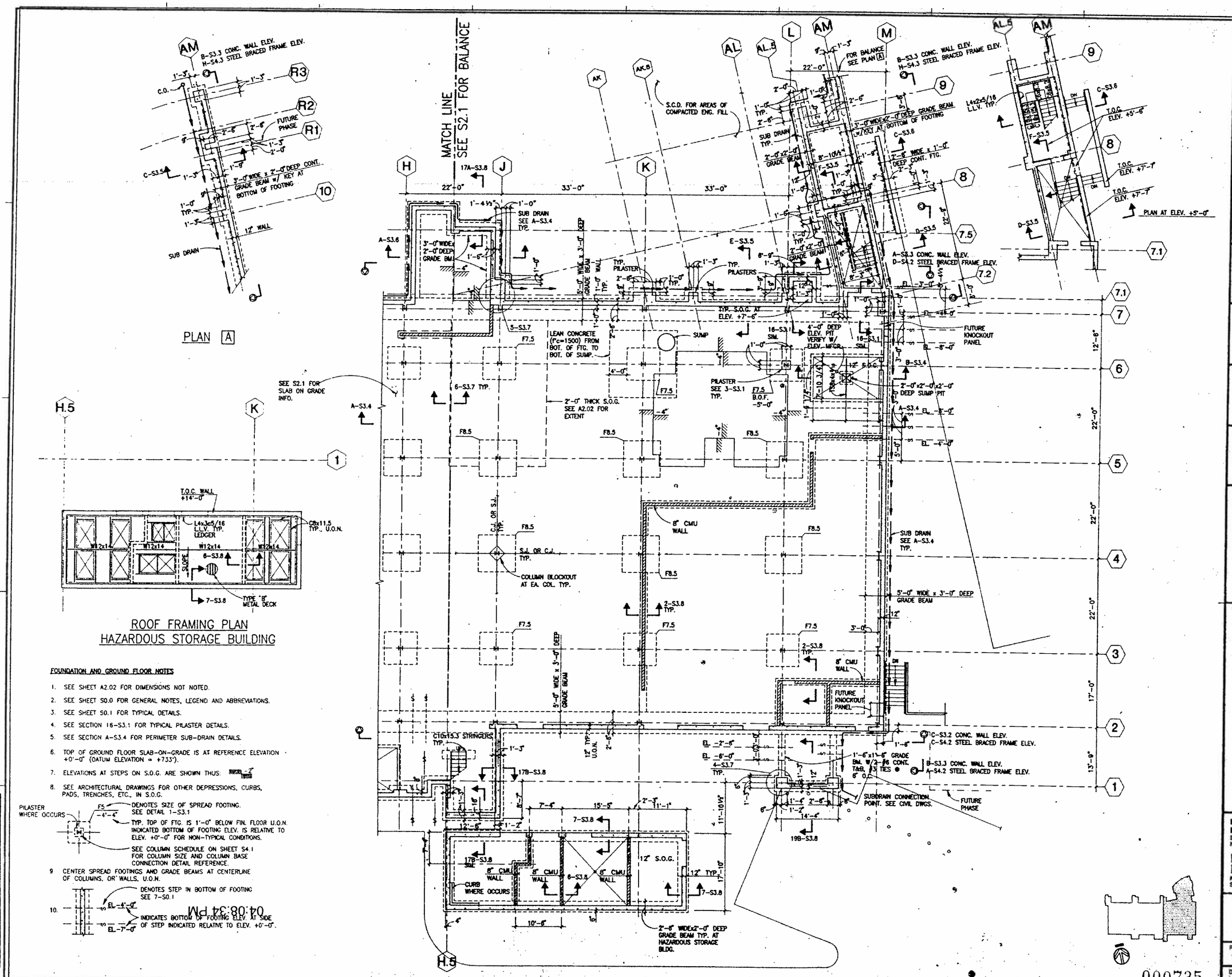
GROUND LEVEL - WEST FOUNDATION PLAN

SCALE: 1/8" = 1'-0"

Project No.		Drawing No.
19210.01	B	S2.1
Date 4-1-91	BID	

000734



FOUNDATION AND GROUND FLOOR NOTES

1. SEE SHEET A2.02 FOR DIMENSIONS NOT NOTED.
2. SEE SHEET S0.0 FOR GENERAL NOTES, LEGEND AND ABBREVIATIONS.
3. SEE SHEET S0.1 FOR TYPICAL DETAILS.
4. SEE SECTION 16-S3.1 FOR TYPICAL PILASTER DETAILS.
5. SEE SECTION A-S3.4 FOR PERIMETER SUB-DRAIN DETAILS.
6. TOP OF GROUND FLOOR SLAB-ON-GRADE IS AT REFERENCE ELEVATION +0'-0" (DATUM ELEVATION = +733').
7. ELEVATIONS AT STEPS ON S.O.G. ARE SHOWN THUS: -2"
8. SEE ARCHITECTURAL DRAWINGS FOR OTHER DEPRESSIONS, CURBS, PADS, TRENCHES, ETC., IN S.O.G.

PILASTER WHERE OCCURS — F5 — -4'-4"

- DENOTES SIZE OF SPREAD FOOTING. SEE DETAIL 1-S3.1
- TYP. TOP OF FTG. IS 1'-0" BELOW FIN. FLOOR U.O.N. INDICATED BOTTOM OF FOOTING ELEV. IS RELATIVE TO ELEV. +0'-0" FOR NON-TYPICAL CONDITIONS.
- SEE COLUMN SCHEDULE ON SHEET S4.1 FOR COLUMN SIZE AND COLUMN BASE CONNECTION DETAIL REFERENCE.

9. CENTER SPREAD FOOTINGS AND GRADE BEAMS AT CENTERLINE OF COLUMNS, OR WALLS, U.O.N.

10. EL -4'-0" / EL -7'-0" — DENOTES STEP IN BOTTOM OF FOOTING SEE 7-S0.1 — INDICATES BOTTOM OF FOOTING ELEV. AT SIDE OF STEP INDICATED RELATIVE TO ELEV. +0'-0".

04:08:34 PM

000735

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Revisions

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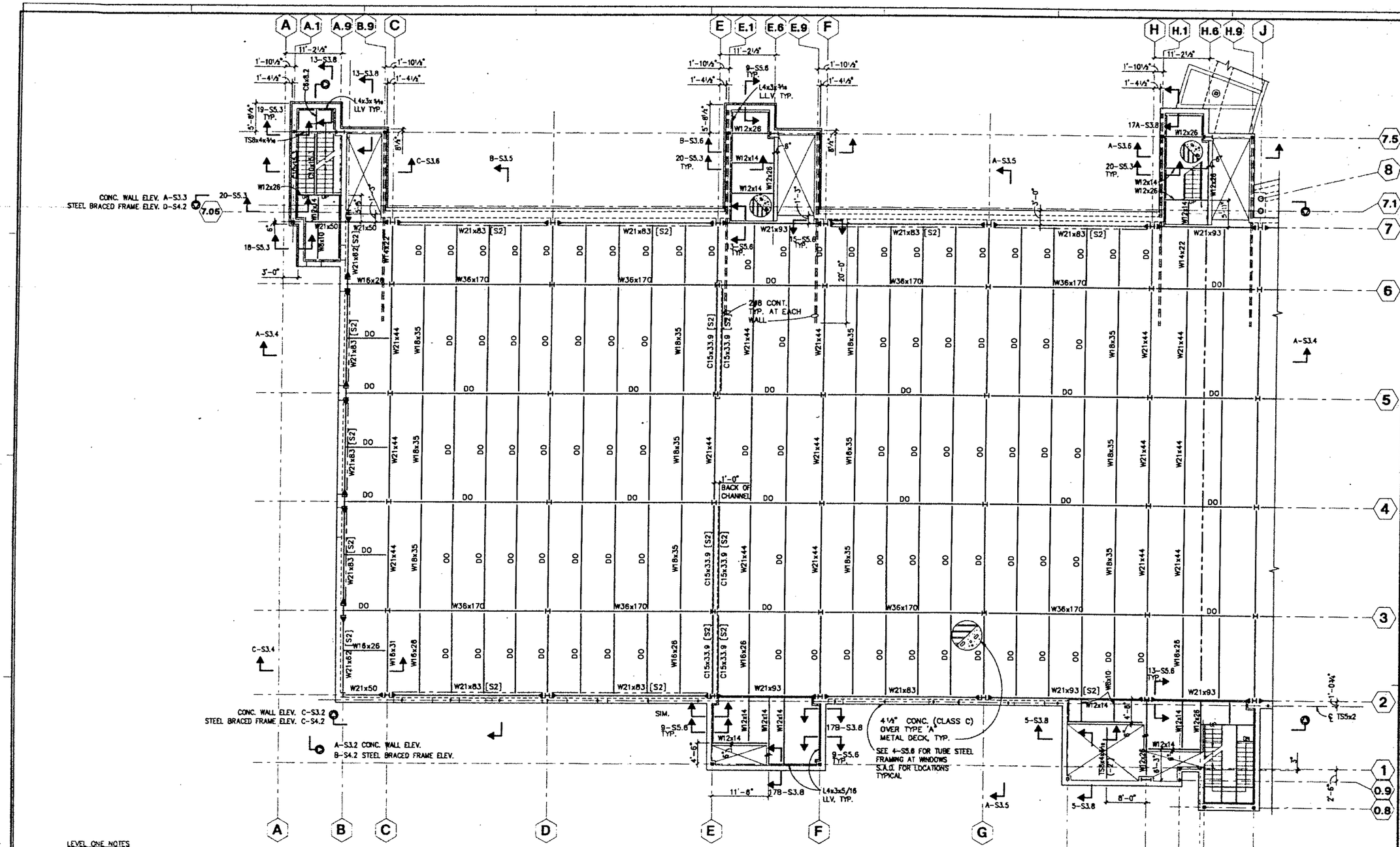
North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

GROUND LEVEL - EAST FOUNDATION PLAN

SCALE: 1/8" = 1'-0"

Project No.		Drawing No.
19210.01	B	S2.2
Date 4-1-91	BID	



LEVEL ONE NOTES

1. SEE SHEET S0.0 FOR GENERAL NOTES, LEGEND AND ABBREVIATIONS.
2. SEE SHEET S0.1 & S0.2 FOR TYPICAL DETAILS.
3. TOP OF FINISHED LEVEL ONE SLAB IS AT ELEVATION +14'-0" WITH RESPECT TO GROUND FLOOR SLAB ELEVATION +0'-0", U.O.N.
4. TOP OF STEEL FRAMING IS 6½" BELOW TOP OF SLAB OF LABORATORY BUILDING TYP. U.O.N. THUS (-2") ON PLAN WHICH INDICATES TOP OF STEEL FRAMING IS 2" BELOW TYPICAL TOP OF STEEL ELEVATION.
5. ELEVATIONS AT STEPS ON SLAB ARE SHOWN THUS: -2"
6. [1] INDICATES POSITIVE UPWARD MIDSPAN CAMBER OF STEEL BEAMS/GIRDERS IN INCHES.
7. ALL MEMBERS NOT SPECIFICALLY DIMENSIONED ON PLAN ARE LOCATED ON COLUMN LINES OR EQUALLY SPACED BETWEEN MEMBERS OTHERWISE LOCATED.
8. SEE SHEET S0.2 FOR TYPICAL METAL DECK AND COMPOSITE CONSTRUCTION DETAILS. ALL BEAMS AND GIRDERS ARE COMPOSITE PER 11-S0.2 AND STUD PATTERN S1 [illegible]
9. SEE SHEET S4.1 FOR COLUMN SIZE AND BASE CONNECTION SCHEDULE.
10. SEE SHEET S5.1 FOR TYPICAL STEEL DETAILS.
11. SEE ARCHITECTURAL & MECHANICAL DRAWINGS FOR DETAILS, EXACT SIZES AND LOCATIONS OF CURBS, DEPRESSIONS, OPENINGS, FINISHES, CHAMFERS, EMBEDDED ITEMS AND EDGE CONDITIONS.

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000736

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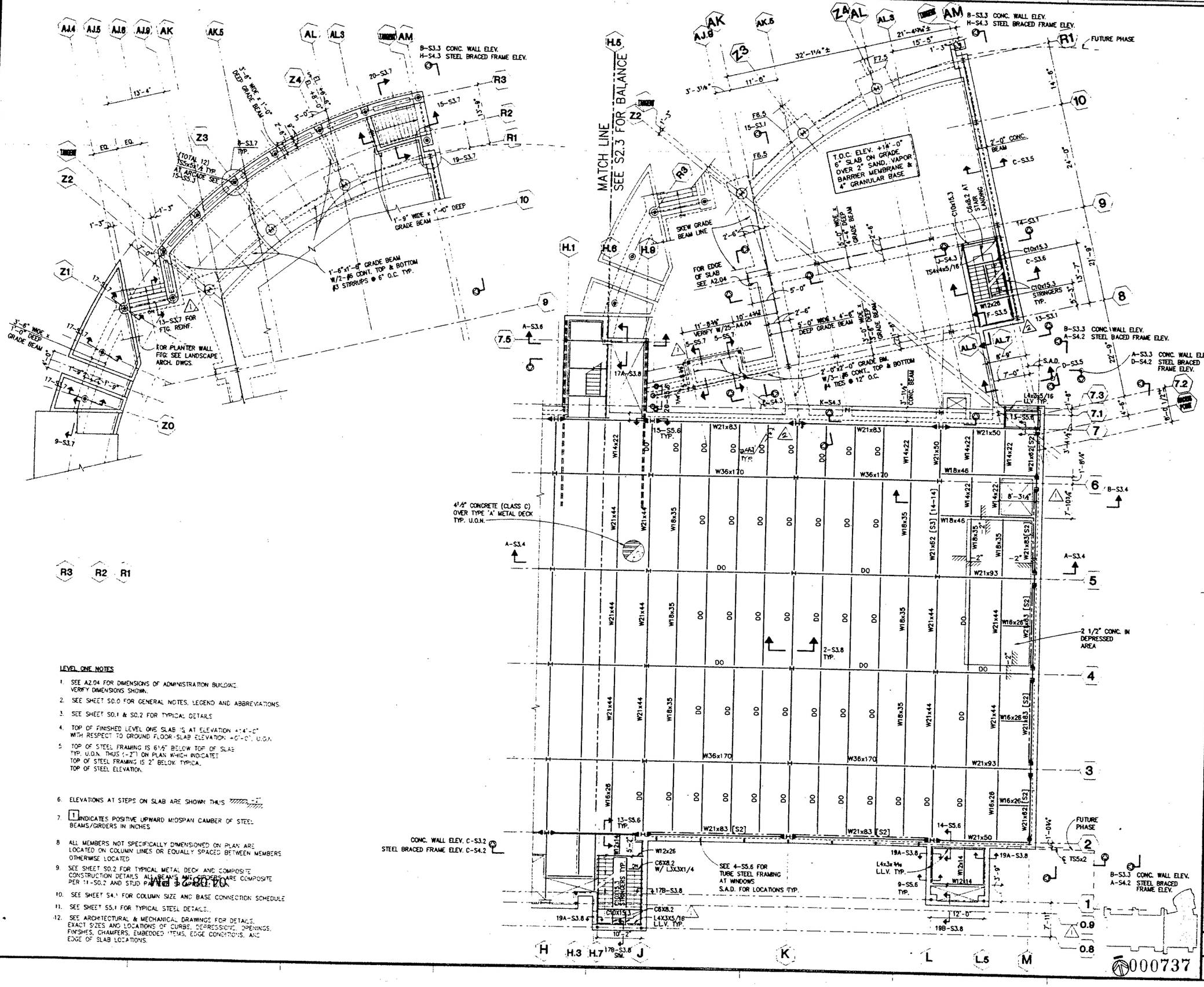
Southern California Region

LEVEL ONE - WEST FRAMING PLAN
SCALE: 1/8" = 1'-0"

Project No.		Drawing No.
19210.01	B	S2.3
Date 4-1-91	BID	



LEVEL ONE NOTES

1. SEE A2.04 FOR DIMENSIONS OF ADMINISTRATION BUILDING. VERIFY DIMENSIONS SHOWN.
2. SEE SHEET S0.0 FOR GENERAL NOTES, LEGEND AND ABBREVIATIONS.
3. SEE SHEET S0.1 & S0.2 FOR TYPICAL DETAILS
4. TOP OF FINISHED LEVEL ONE SLAB IS AT ELEVATION +14'-0" WITH RESPECT TO GROUND FLOOR-SLAB ELEVATION +0'-0", U.O.N.
5. TOP OF STEEL FRAMING IS 6 1/2" BELOW TOP OF SLAB TYP. U.O.N. THUS (-2") ON PLAN WHICH INDICATES TOP OF STEEL FRAMING IS 2" BELOW TYPICAL TOP OF STEEL ELEVATION.
6. ELEVATIONS AT STEPS ON SLAB ARE SHOWN THUS
7. [1] INDICATES POSITIVE UPWARD MIDSPAN CAMBER OF STEEL BEAMS/GIRDERS IN INCHES
8. ALL MEMBERS NOT SPECIFICALLY DIMENSIONED ON PLAN ARE LOCATED ON COLUMN LINES OR EQUALLY SPACED BETWEEN MEMBERS OTHERWISE LOCATED
9. SEE SHEET S0.2 FOR TYPICAL METAL DECK AND COMPOSITE CONSTRUCTION DETAILS. ALL BEAMS AND GIRDERS ARE COMPOSITE PER 11-S0.2 AND STUD PATTERN SHOWN ON PLAN.
10. SEE SHEET S4.1 FOR COLUMN SIZE AND BASE CONNECTION SCHEDULE
11. SEE SHEET S5.1 FOR TYPICAL STEEL DETAILS.
12. SEE ARCHITECTURAL & MECHANICAL DRAWINGS FOR DETAILS, EXACT SIZES AND LOCATIONS OF CURBS, DEPRESSIONS, OPENINGS, FINISHES, CHAMFERS, EMBEDDED ITEMS, EDGE CONDITIONS, AND EDGE OF SLAB LOCATIONS.

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No.		Date
1	ADDENDUM NO.	5/14/91
2	BULLETIN NO.	6/28/91

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Kaiser Permanente Medical Care Program
Southern California Region

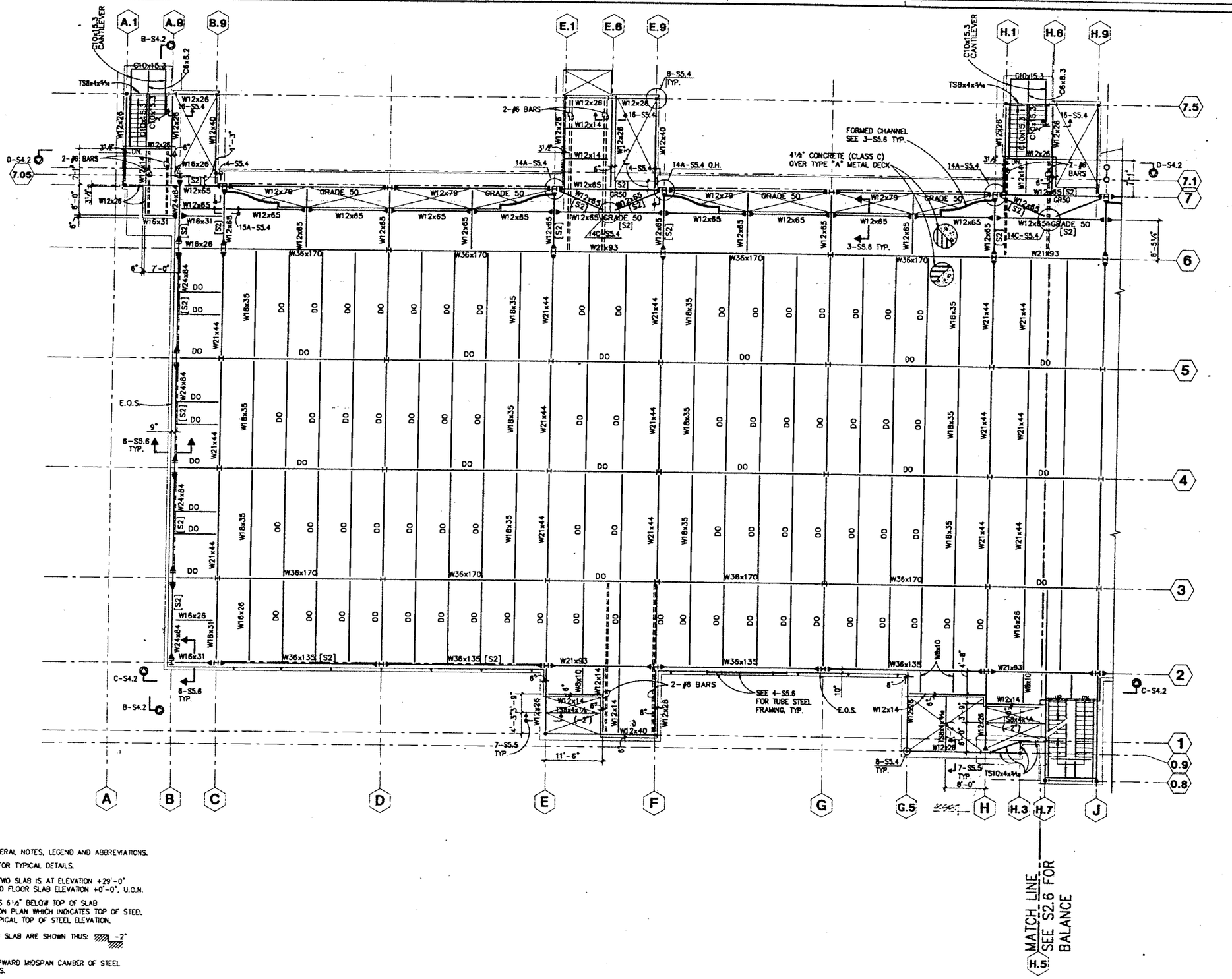
LEVEL ONE - EAST FRAMING PLAN
SCALE: 1/8" = 1'-0"

Project No. 19210.01

Date

Drawing No. S2.4

000737



LEVEL TWO NOTES

1. SEE SHEET S0.0 FOR GENERAL NOTES, LEGEND AND ABBREVIATIONS.
2. SEE SHEET S0.1 & S0.2 FOR TYPICAL DETAILS.
3. TOP OF FINISHED LEVEL TWO SLAB IS AT ELEVATION +29'-0" WITH RESPECT TO GROUND FLOOR SLAB ELEVATION +0'-0", U.O.N.
4. TOP OF STEEL FRAMING IS 6½" BELOW TOP OF SLAB TYP. U.O.N. THUS (-2") ON PLAN WHICH INDICATES TOP OF STEEL FRAMING IS 2" BELOW TYPICAL TOP OF STEEL ELEVATION.
5. ELEVATIONS AT STEPS ON SLAB ARE SHOWN THUS: -2"
6. [1] INDICATES POSITIVE UPWARD MIDSPAN CAMBER OF STEEL BEAMS/GIRDERS IN INCHES.
7. ALL MEMBERS NOT SPECIFICALLY DIMENSIONED ON PLAN ARE LOCATED ON COLUMN LINES OR EQUALLY SPACED BETWEEN MEMBERS OTHERWISE LOCATED.
8. SEE SHEET S0.2 FOR TYPICAL METAL DECK AND COMPOSITE CONSTRUCTION DETAILS. ALL BEAMS AND GIRDERS ARE COMPOSITE PER 11-S0.2 AND STUD PATTERN S1 APPLIES, U.O.N.
9. SEE SHEET S4.1 FOR COLUMN SIZE AND BASE CONNECTION SCHEDULE.
10. SEE SHEET S5.1 FOR TYPICAL STEEL DETAILS.
11. SEE ARCHITECTURAL & MECHANICAL DRAWINGS FOR DETAILS, EXACT SIZES AND LOCATIONS OF CURBS, DEPRESSIONS, OPENINGS, FINISHES, CHAMFERS, EMBEDDED ITEMS AND EDGE CONDITIONS.

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000738

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Revisions

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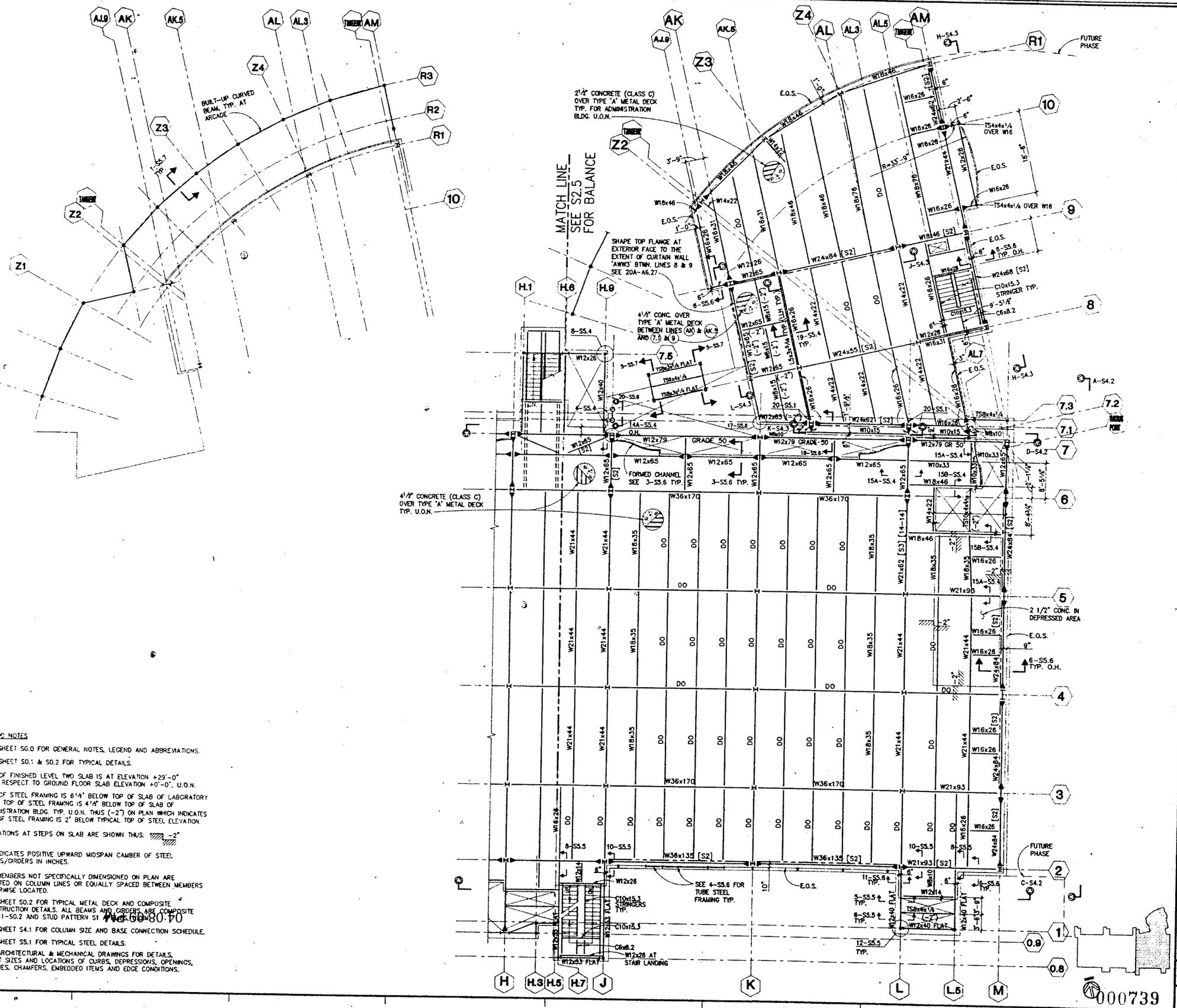
Kaiser Permanente Medical Care Program
Southern California Region

LEVEL TWO - WEST FRAMING PLAN
SCALE: 1/8" = 1'-0"

Project No.		Drawing No.
19210.01	B	S2.5
Date 4-1-91	BID	



LEVEL TWO NOTES

1. SEE SHEET S0.0 FOR GENERAL NOTES, LEGEND AND ABBREVIATIONS.
2. SEE SHEET S0.1 & S0.2 FOR TYPICAL DETAILS.
3. TOP OF FINISHED LEVEL TWO SLAB IS AT ELEVATION +29'-0" WITH RESPECT TO GROUND FLOOR SLAB ELEVATION +0'-0", U.O.N.
4. TOP OF STEEL FRAMING IS 6 1/4" BELOW TOP OF SLAB OF LABORATORY BLDG. TOP OF STEEL FRAMING IS 4 1/2" BELOW TOP OF SLAB OF ADMINISTRATION BLDG. TYP. U.O.N. THUS (-2") ON PLAN WHICH INDICATES TOP OF STEEL FRAMING IS 2" BELOW TYPICAL TOP OF STEEL ELEVATION.
5. ELEVATIONS AT STEPS ON SLAB ARE SHOWN THUS: -2"
6. 1 INDICATES POSITIVE UPWARD MIDSPAN CAMBER OF STEEL BEAMS/GIRDERS IN INCHES.
7. ALL MEMBERS NOT SPECIFICALLY DIMENSIONED ON PLAN ARE LOCATED ON COLUMN LINES OR EQUALLY SPACED BETWEEN MEMBERS OTHERWISE LOCATED.
8. SEE SHEET S0.2 FOR TYPICAL METAL DECK AND COMPOSITE CONSTRUCTION DETAILS. ALL BEAMS AND GIRDERS ARE COMPOSITE PER 11-S0.2 AND STUD PATTERN S1 [illegible]
9. SEE SHEET S4.1 FOR COLUMN SIZE AND BASE CONNECTION SCHEDULE.
10. SEE SHEET S5.1 FOR TYPICAL STEEL DETAILS.
11. SEE ARCHITECTURAL & MECHANICAL DRAWINGS FOR DETAILS, EXACT SIZES AND LOCATIONS OF CURBS, DEPRESSIONS, OPENINGS, FINISHES, CHAMFERS, EMBEDDED ITEMS AND EDGE CONDITIONS.

PROJECT NO. 19210.01

PLAT TITLE

NO. | DWG. TITLE | NOTES

000739

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Revisions

No.		Date

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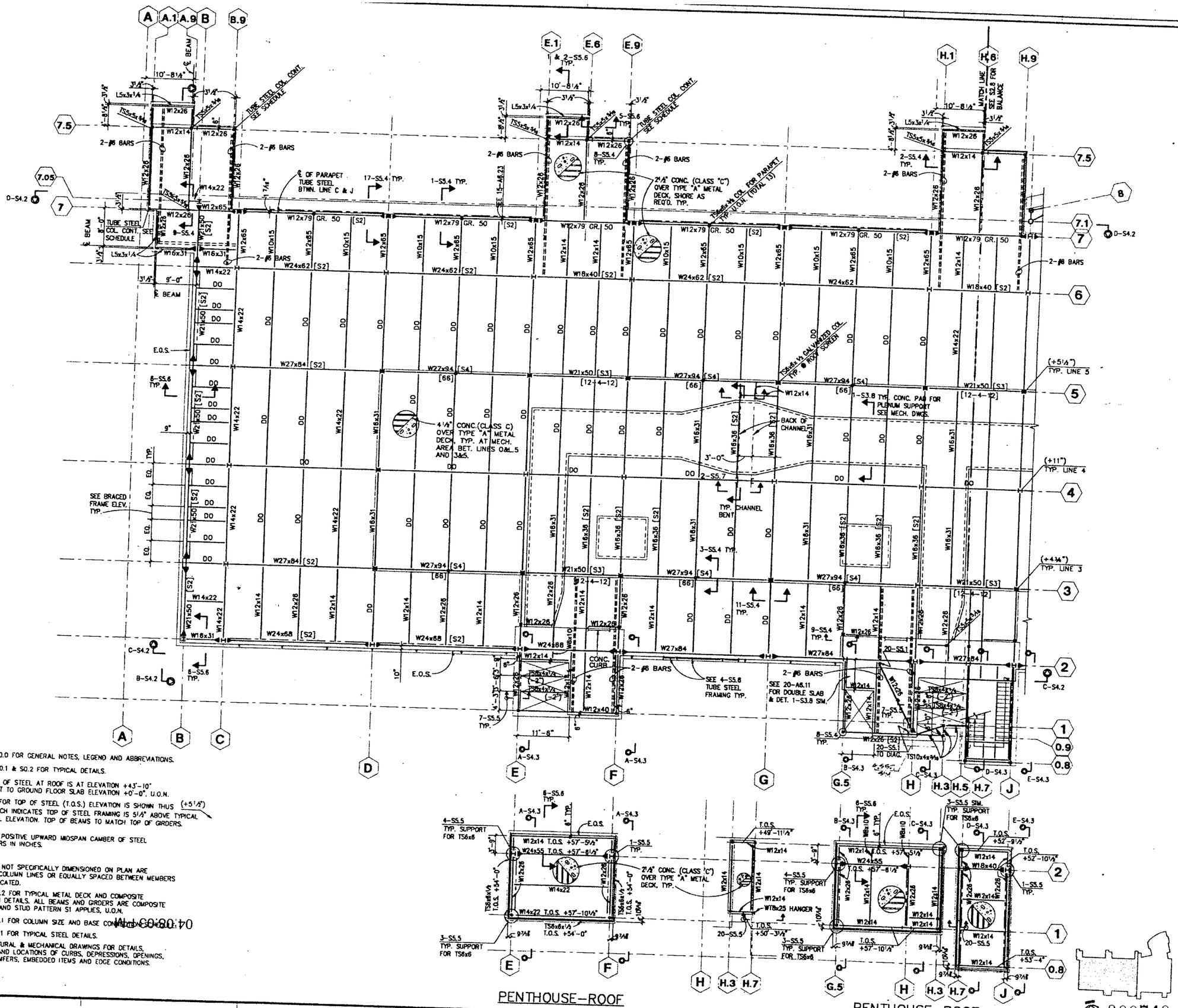
Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

LEVEL TWO - EAST FRAMING PLAN

SCALE: 1/8"=1'-0"

Project No.		Drawing No.
19210.01	B	S2.6
Date 4-1-91	BID	



ROOF NOTES

1. SEE SHEET S0.0 FOR GENERAL NOTES, LEGEND AND ABBREVIATIONS.
2. SEE SHEET S0.1 & S0.2 FOR TYPICAL DETAILS.
3. NOMINAL TOP OF STEEL AT ROOF IS AT ELEVATION +43'-10" WITH RESPECT TO GROUND FLOOR SLAB ELEVATION +0'-0", U.O.N.
4. WORK POINT FOR TOP OF STEEL (T.O.S.) ELEVATION IS SHOWN THUS (+5¼") ON PLAN WHICH INDICATES TOP OF STEEL FRAMING IS 5¼" ABOVE TYPICAL TOP OF STEEL ELEVATION. TOP OF BEAMS TO MATCH TOP OF GIRDERS.
5. 1 INDICATES POSITIVE UPWARD MIDSPAN CAMBER OF STEEL BEAMS/GIRDERS IN INCHES.
6. ALL MEMBERS NOT SPECIFICALLY DIMENSIONED ON PLAN ARE LOCATED ON COLUMN LINES OR EQUALLY SPACED BETWEEN MEMBERS OTHERWISE LOCATED.
7. SEE SHEET S0.2 FOR TYPICAL METAL DECK AND COMPOSITE CONSTRUCTION DETAILS. ALL BEAMS AND GIRDERS ARE COMPOSITE PER 11-S0.2 AND STUD PATTERN S1 APPLIES, U.O.N.
8. SEE SHEET S4.1 FOR COLUMN SIZE AND BASE CONNECTION SCHEDULE.
9. SEE SHEET S5.1 FOR TYPICAL STEEL DETAILS.
10. SEE ARCHITECTURAL & MECHANICAL DRAWINGS FOR DETAILS, EXACT SIZES AND LOCATIONS OF CURBS, DEPRESSIONS, OPENINGS, FINISHES, CHAMFERS, EMBEDDED ITEMS AND EDGE CONDITIONS.

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000740

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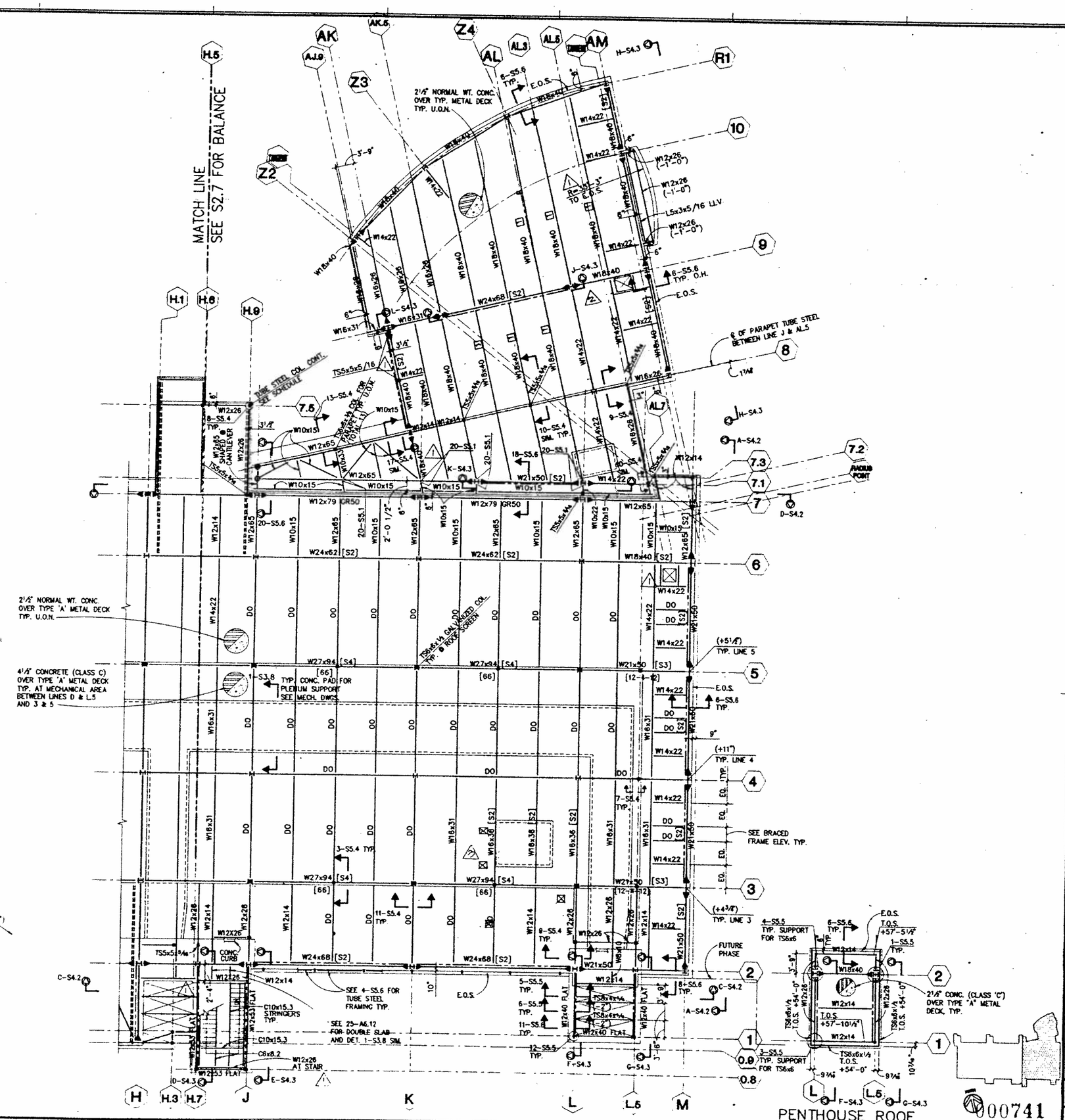
Southern California Region

ROOF - WEST FRAMING PLAN

SCALE: 1/8" = 1'-0"

Project No.		Drawing No.
19210.01	B	S2.7
Date 4-1-91	BID	



ROOF NOTES

1. SEE SHEET S0.0 FOR GENERAL NOTES, LEGEND AND ABBREVIATIONS
2. SEE SHEET S0.1 & S0.2 FOR TYPICAL DETAILS.
3. NOMINAL TOP OF STEEL AT ROOF IS AT ELEVATION +43'-5½" WITH RESPECT TO FIRST FLOOR SLAB ELEVATION +0'-0", U.O.N.
4. WORK POINT FOR TOP OF STEEL (T.O.S.) ELEVATION IS SHOWN THUS (+5½") ON PLAN WHICH INDICATES TOP OF STEEL FRAMING IS 5½" ABOVE TYPICAL TOP OF STEEL ELEVATION. TOP OF BEAMS TO MATCH TOP OF GIRDERS
5. [1] INDICATES POSITIVE UPWARD MIDSPAN CAMBER OF STEEL BEAMS/GIRDERS IN INCHES
6. ALL MEMBERS NOT SPECIFICALLY DIMENSIONED ON PLAN ARE LOCATED ON COLUMN LINES OR EQUALLY SPACED BETWEEN MEMBERS OTHERWISE LOCATED
7. SEE SHEET S0.2 FOR TYPICAL METAL DECK AND COMPOSITE CONSTRUCTION DETAILS. ALL BEAMS AND GIRDERS ARE COMPOSITE PER 11-S0.2 AND STUD PATTERN S1 APPLIES, U.O.N.
8. SEE SHEET S4.1 FOR COLUMN SIZE AND BASE CONNECTION SCHEDULE
9. SEE SHEET S5.1 FOR TYPICAL STEEL DETAILS
10. SEE ARCHITECTURAL & MECHANICAL DRAWINGS FOR DETAILS, EXACT SIZE AND LOCATION OF CURBS, DEPRESSIONS, OPENINGS, FINISHES, CHAMFERS, EMBEDDED ITEMS AND EDGE CONDITIONS

PROJECT NO. 19210.01

NO.	DWG. TITLE	NOTES

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No.		Date
1	ADDENDUM No. 1	5/15/1991
2	ADDENDUM No. 3	6/10/91
3	BULLETIN No. 1	9-13-91

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Kaiser Permanente Medical Care Program
Southern California Region

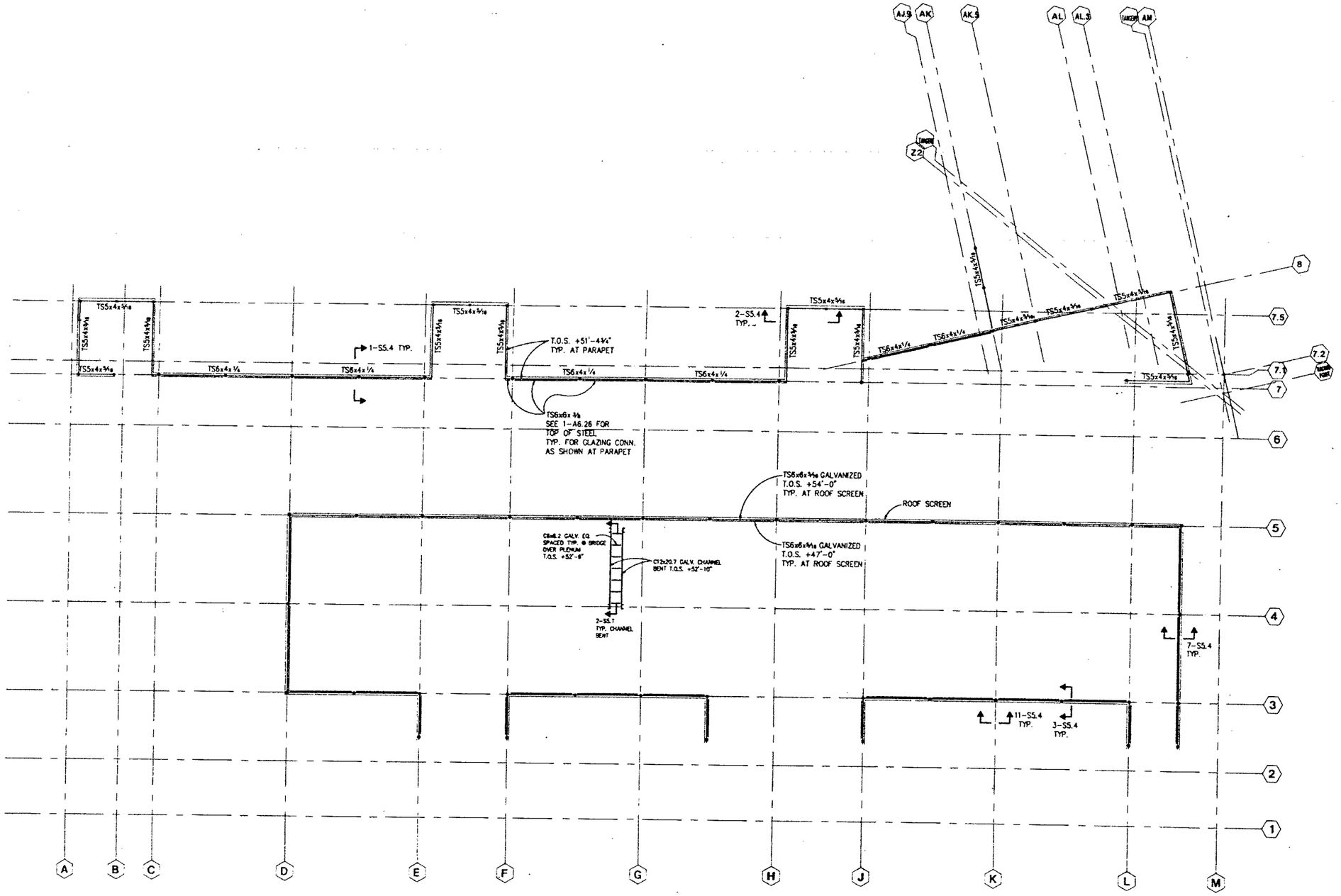
ROOF - EAST FRAMING PLAN
SCALE: 1/8" = 1'-0"

Project No. 19210.01

Date

Drawing No. S2.8

000741



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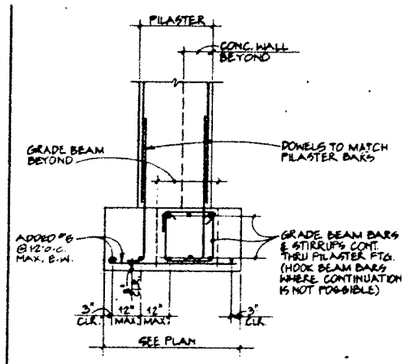
Kaiser Permanente Medical Care Program
Southern California Region

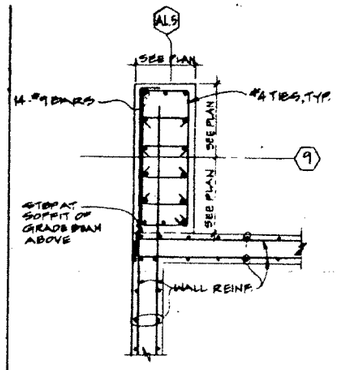
PARAPET AND ROOF SCREEN FRAMING PLAN
SCALE: 3/32" = 1'-0"

Project No.		Drawing No.
19210.01	B	S2.9
Date 4-1-91	BID	

PROJECT NO. 19210.01



TYPICAL PILASTER FOOTING SECTION 16
NO SCALE



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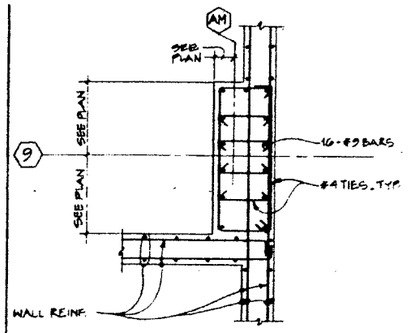

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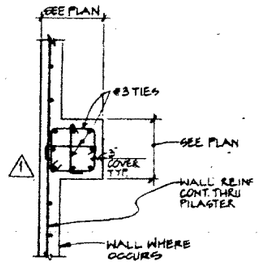

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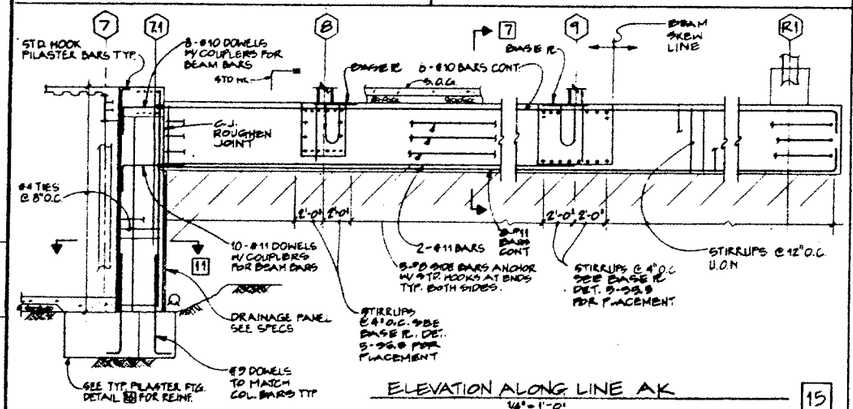
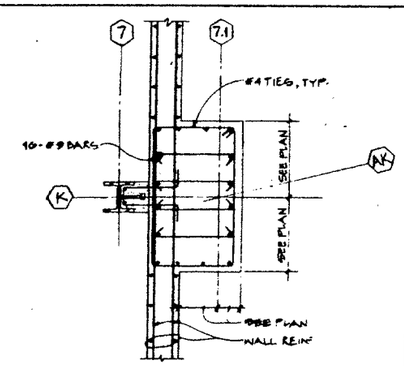


ELEVATION ALONG LINE AK 15
1/4" = 1'-0"



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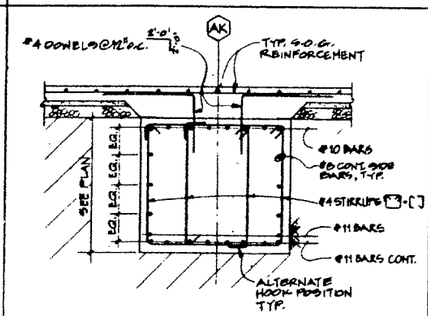

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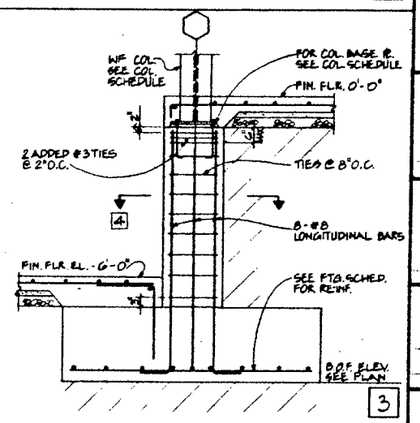

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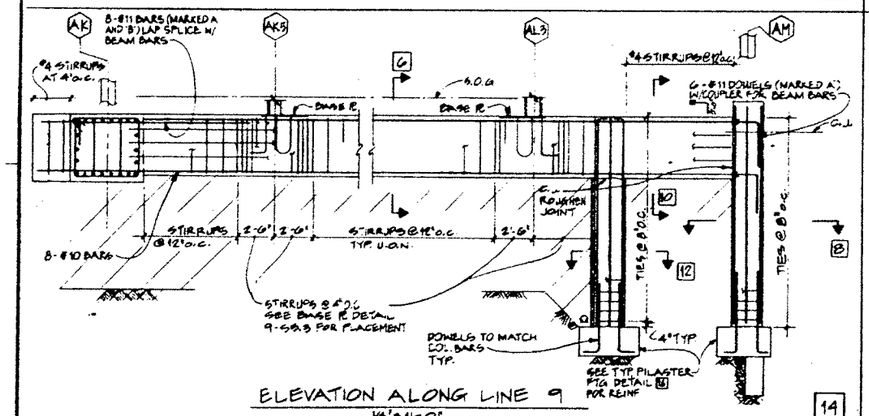
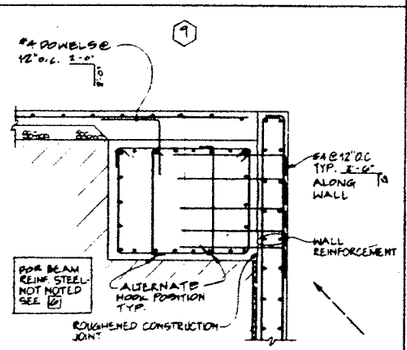


ELEVATION ALONG LINE 9 14
1/4" = 1'-0"



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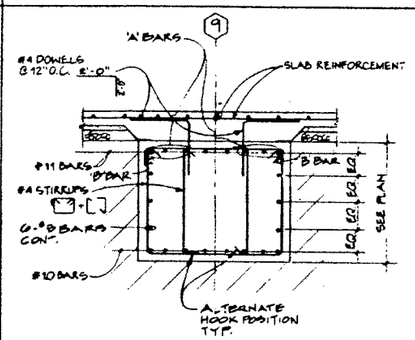
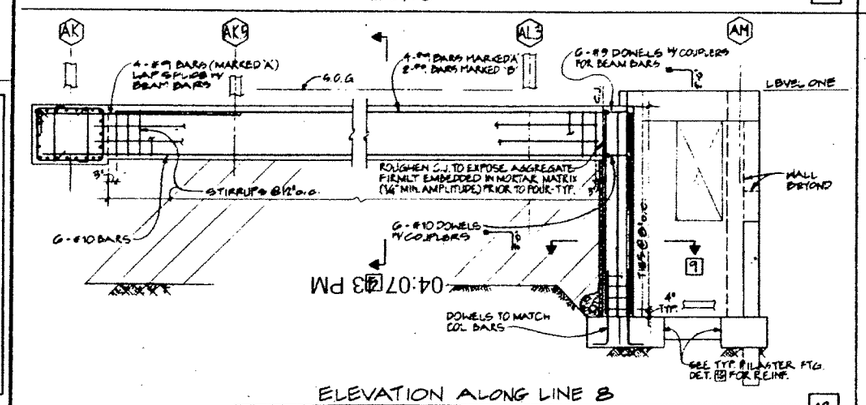
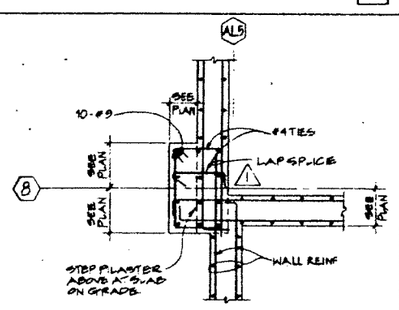


6

SPREAD FOOTING SCHEDULE			
MARK	SIZE	FOOTING THICKNESS	BOTTOM REINF EACH WAY
FB.5	8'-6"×8'-6"	2'-6"	9-#8
FB	8'-0"×8'-0"	2'-6"	8-#8
F7.5	7'-6"×7'-6"	2'-6"	8-#7
F6.5	6'-6"×6'-6"	2'-6"	7-#7



ELEVATION ALONG LINE 8 13
1/4" = 1'-0"



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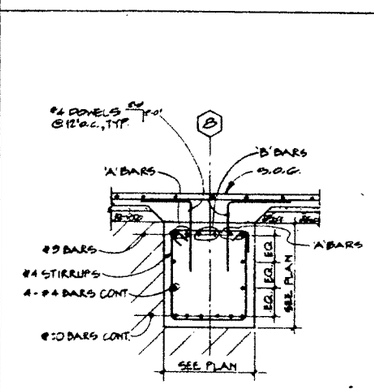

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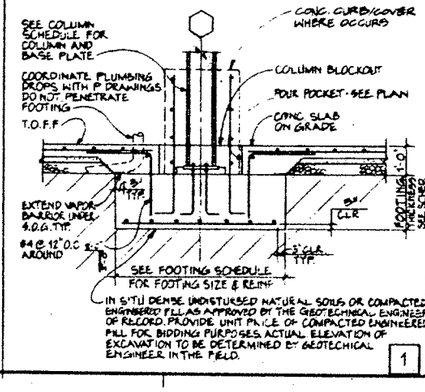

1

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Laboratory Electrical Engineer

Revisions

No.		Date
1	BULLETIN No. 1	9-30-91

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

FOUNDATION DETAILS
SCALE: 1/2" = 1'-0"

000743

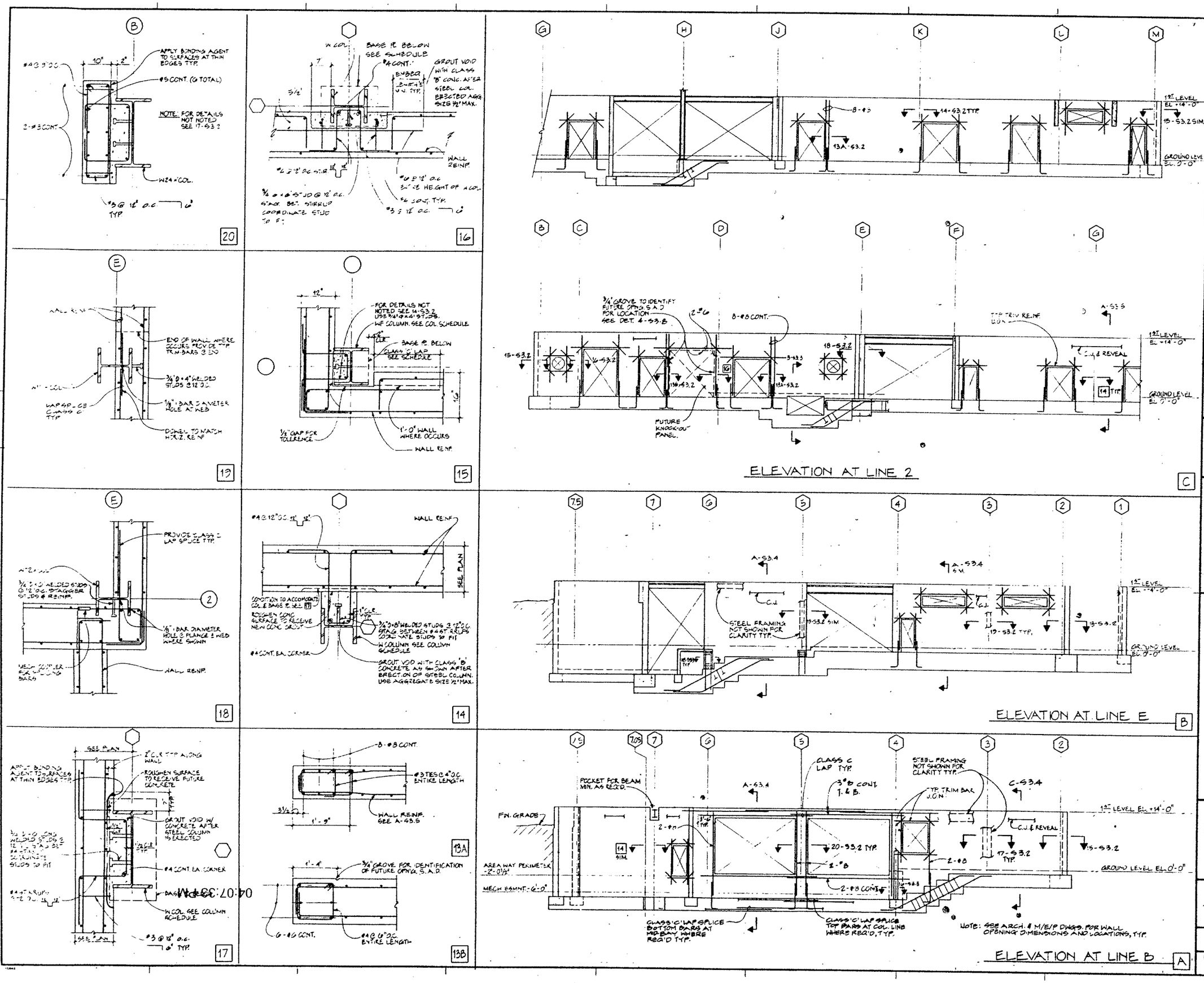
Project No. 19210.01

Date

Drawing No. S3.1

PROJECT NO. 19210.01

04:07 03 PM



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Revisions

No.		Date

Regional Reference Laboratory
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Kaiser Permanente Medical Care Program
Southern California Region

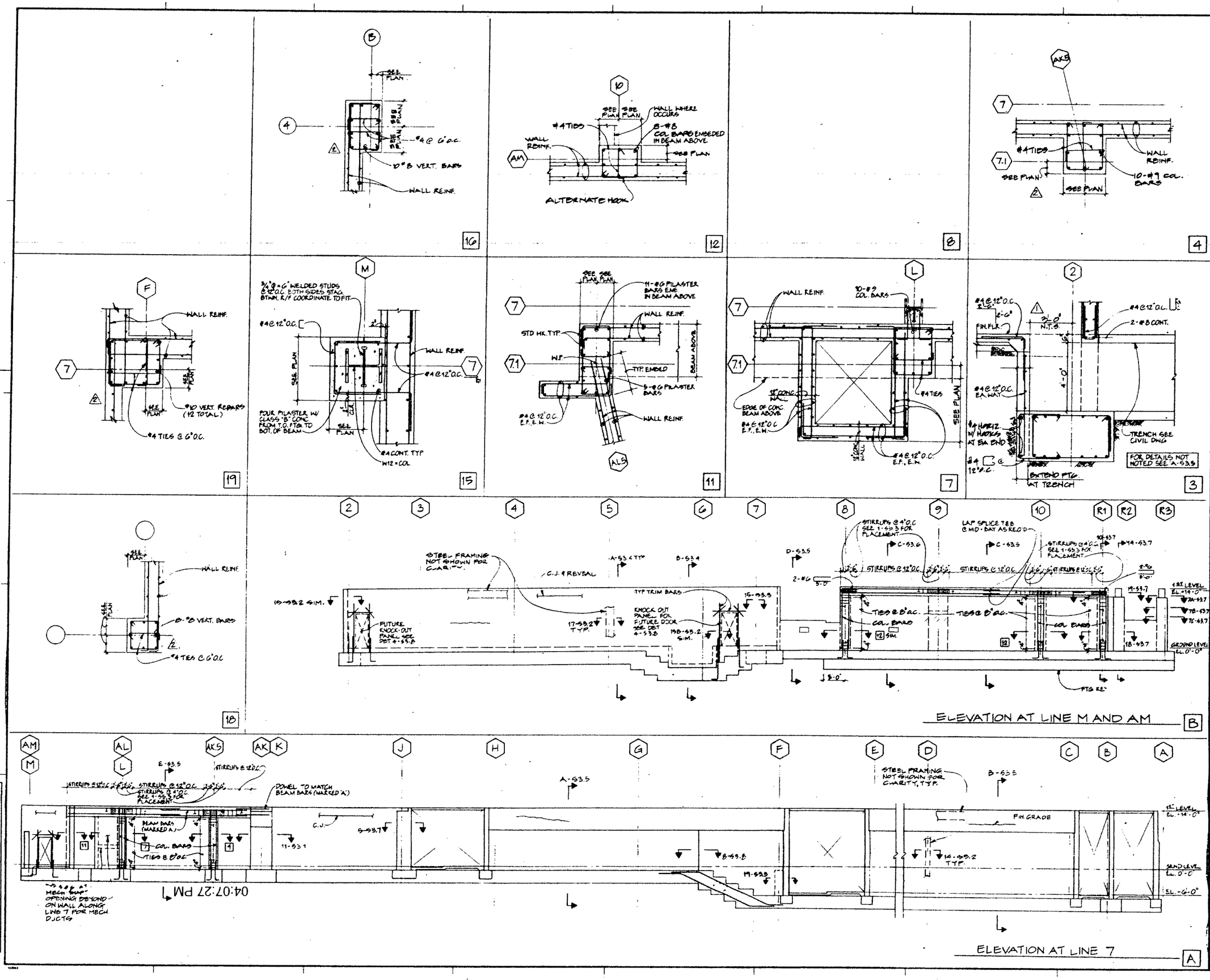
CONCRETE WALL ELEVATIONS & DETAILS

SCALE: 1/2"=1'-0" DETAILS

Project No. 19210.01 | ELEVATIONS B | Drawing No. S3.2

Date 4-1-91 | BID

000744



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Revisions

No.		Date
1	ADDENDUM No 2	6-10-91
2	BULLETIN No 1	9-30-91

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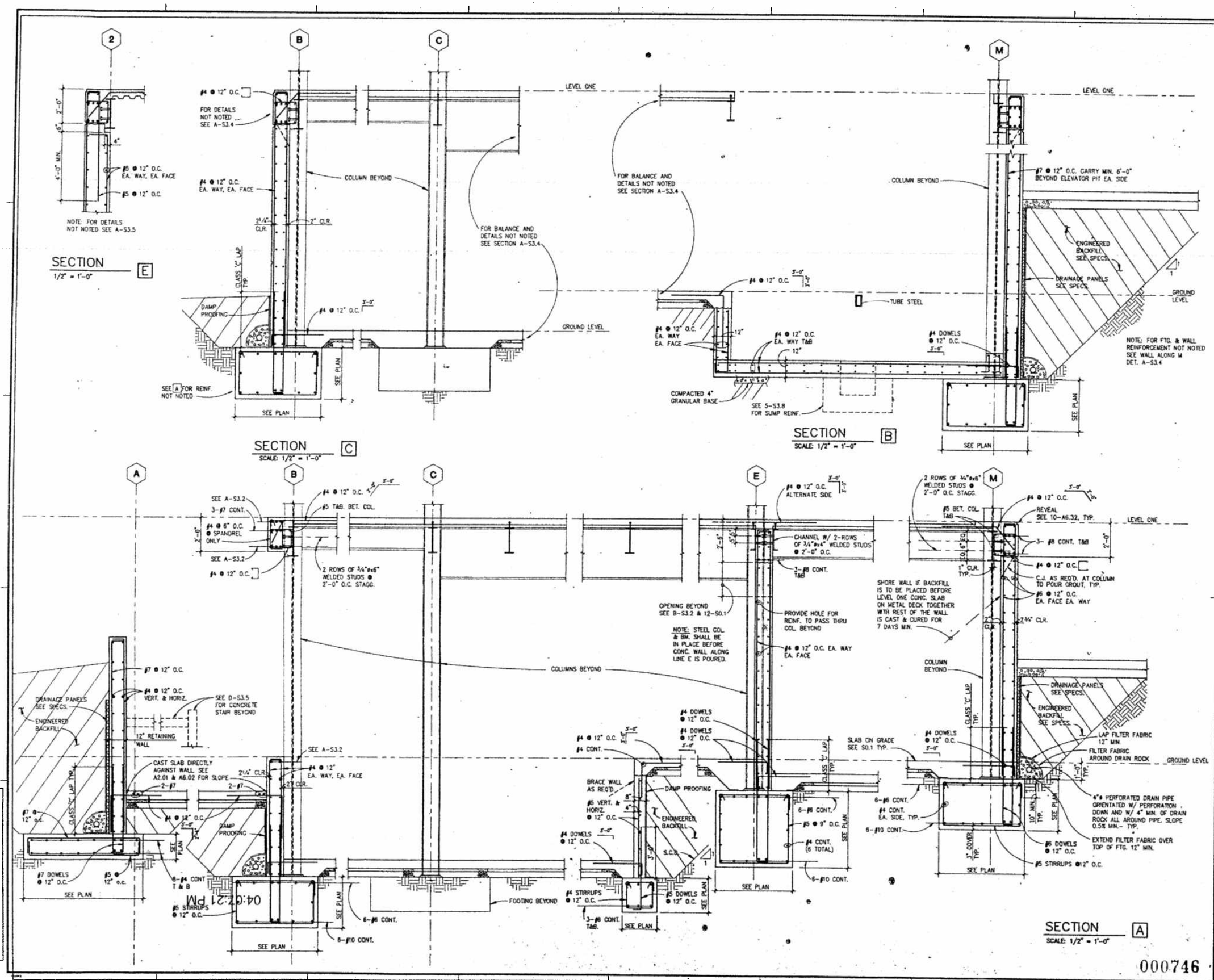
Southern California Region

CONCRETE WALL ELEVATIONS & DETAILS
SCALE: 1/2"=1'-0" DETAILS

Project No. 19210.01

Date

Drawing No. S3.3



000746

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Revisions

No.	Date

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Southern California Region

CONCRETE WALL SECTIONS
LONGITUDINAL SECTIONS

SCALE: 1/2"=1'-0"

Project No.		Drawing No.
19210.01	B	S3.4
Date 4-1-91	BID	

PROJECT NO. 19210.01

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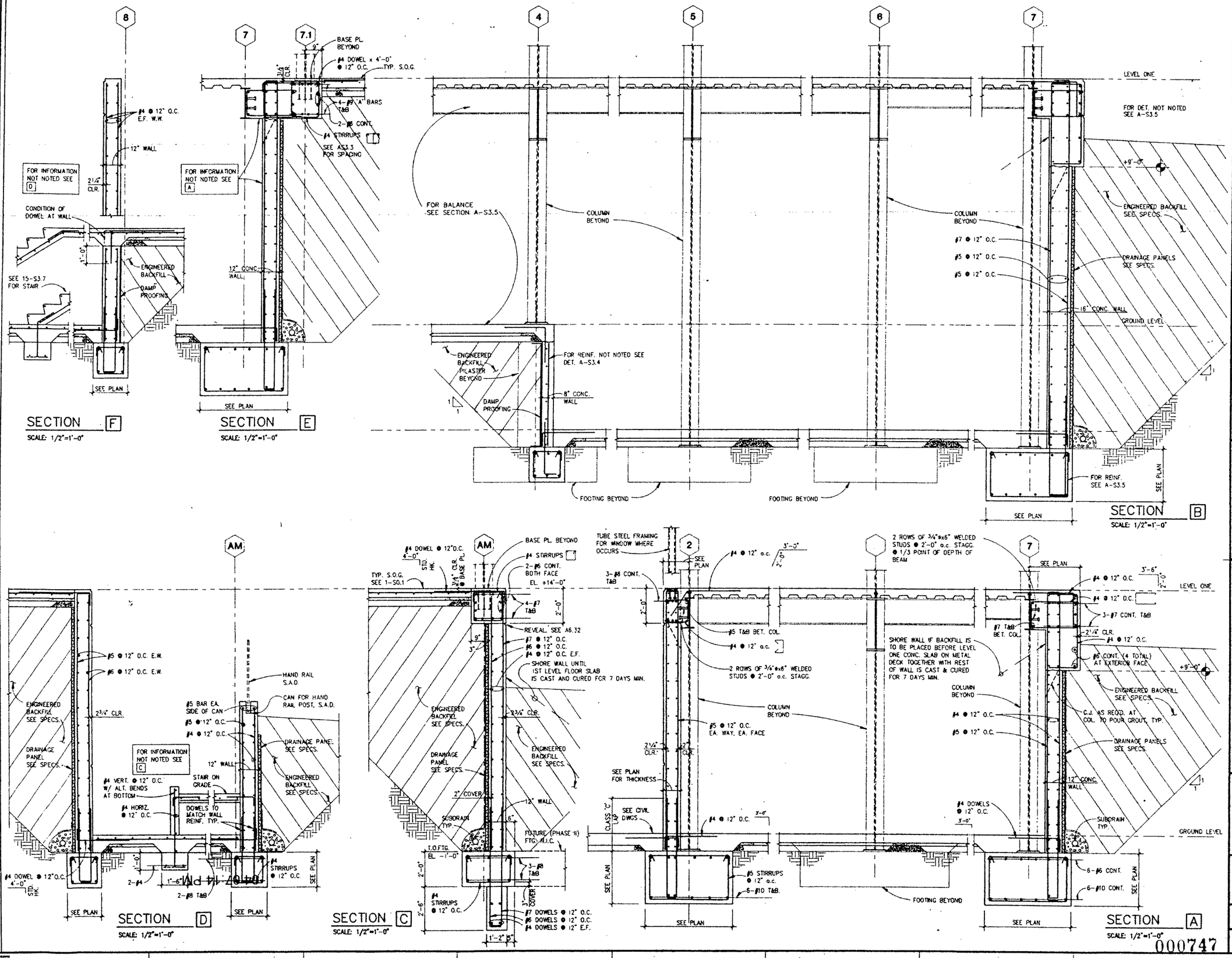

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Revisions

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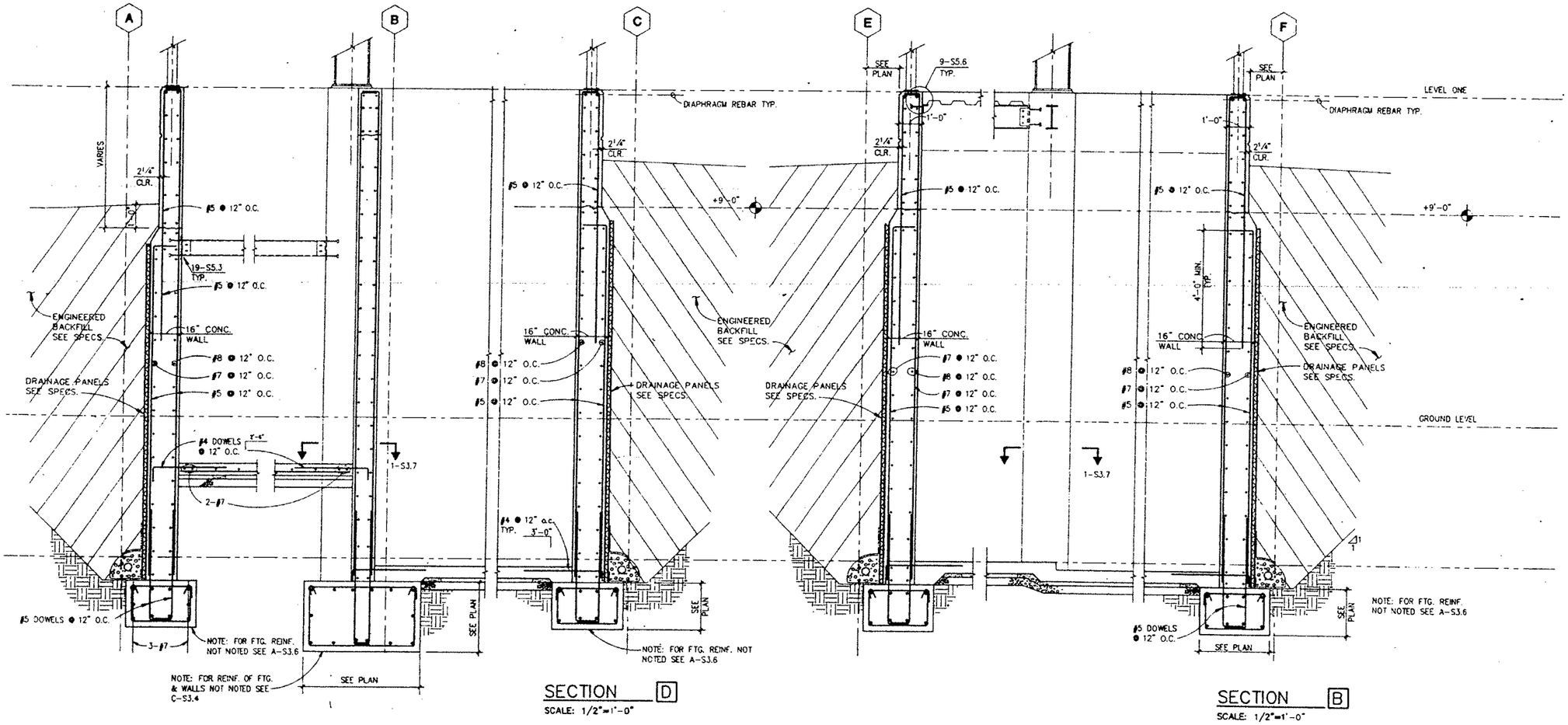
CONCRETE WALL SECTIONS TRANSVERSE SECTIONS

SCALE: 1/2"=1'-0"

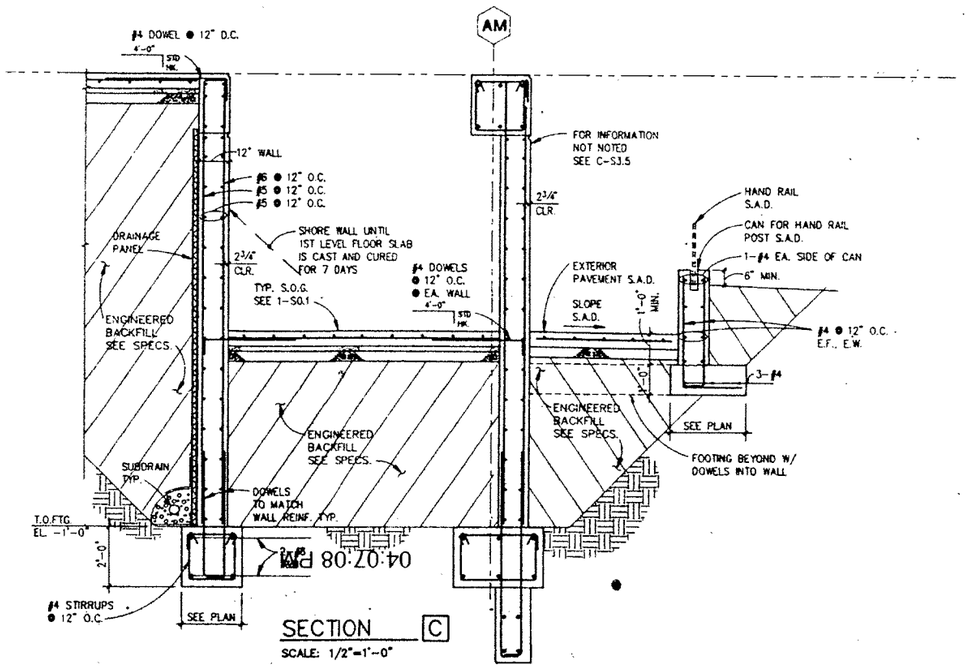
Project No.		Drawing No.
19210.01	B	S3.5
Date 4-1-91	BID	

000747

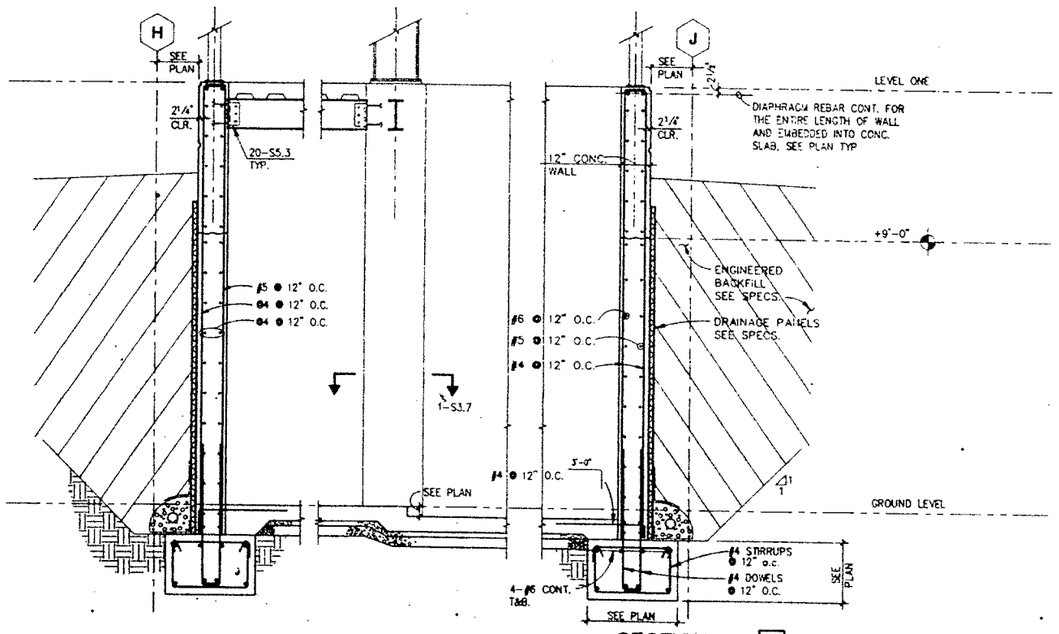


SECTION D
SCALE: 1/2"=1'-0"

SECTION B
SCALE: 1/2"=1'-0"



SECTION C
SCALE: 1/2"=1'-0"



SECTION A
SCALE: 1/2"=1'-0"

000748

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Revisions.

No.	Date

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Southern California Region

CONCRETE WALL SECTIONS

SCALE: 1/2"=1'-0"

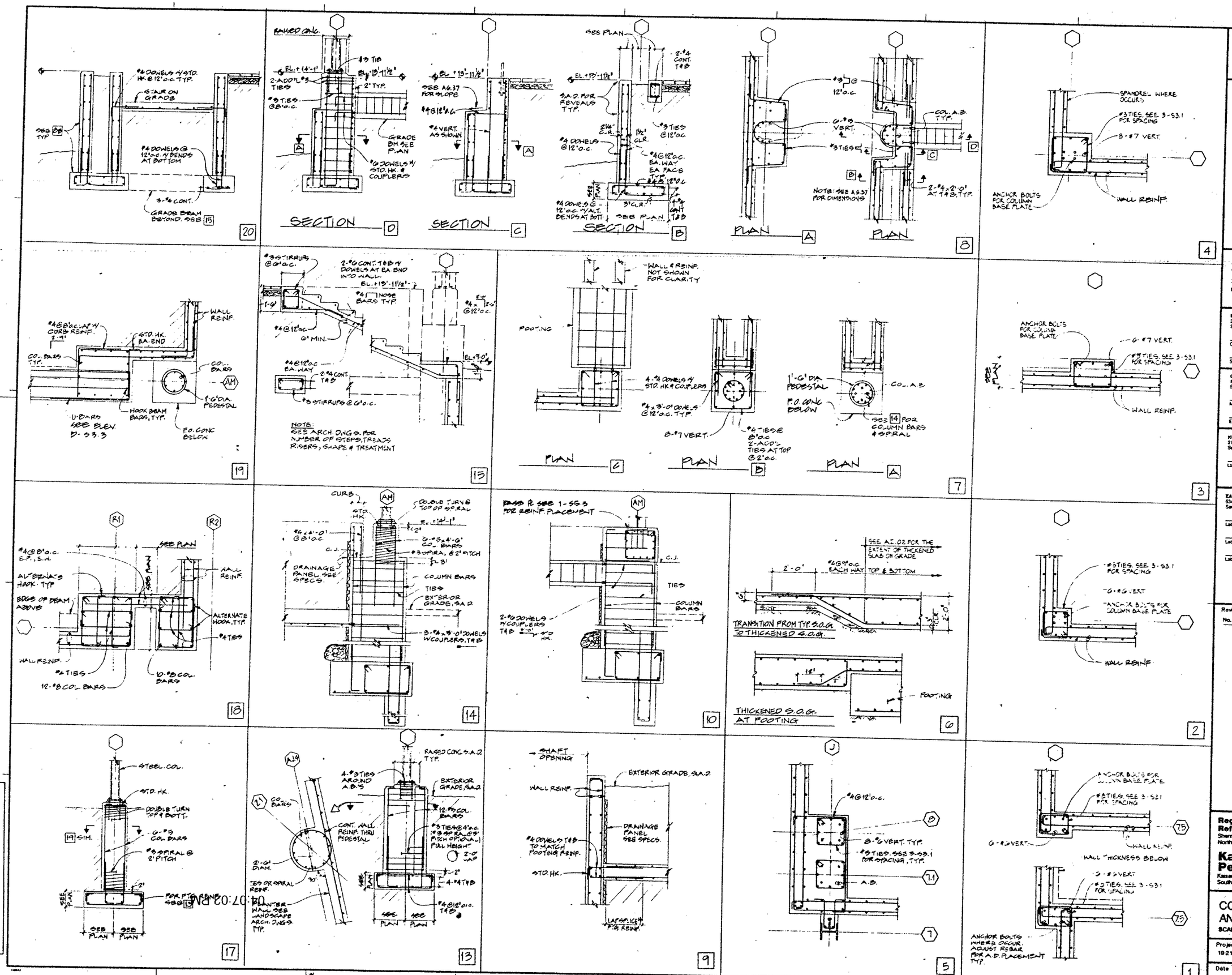
Project No. 19210.01

Date 4-1-91

B

BID

Drawing No. S3.6



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Revisions

No.	Date

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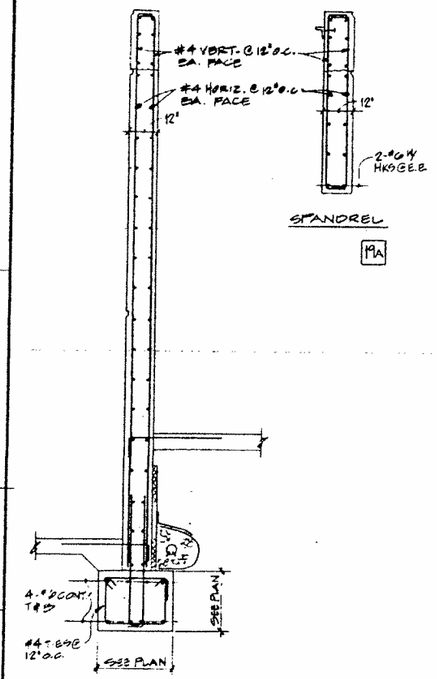
Kaiser Permanente Medical Care Program
Southern California Region

CONCRETE SECTIONS AND DETAILS

SCALE: 1/2" = 1'-0"

000749

Project No.		Drawing No.
19210.01	B	S3.7
Date 4-1-91	BID	



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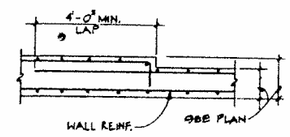

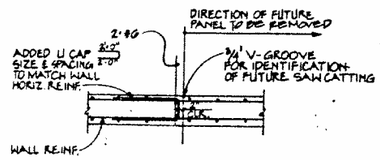

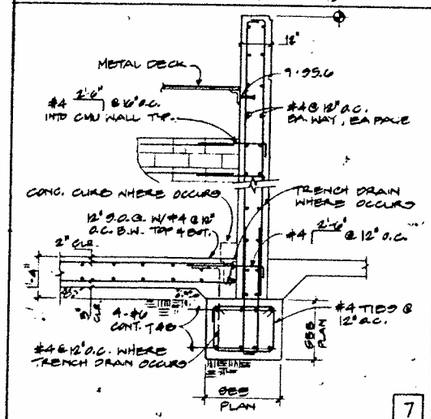

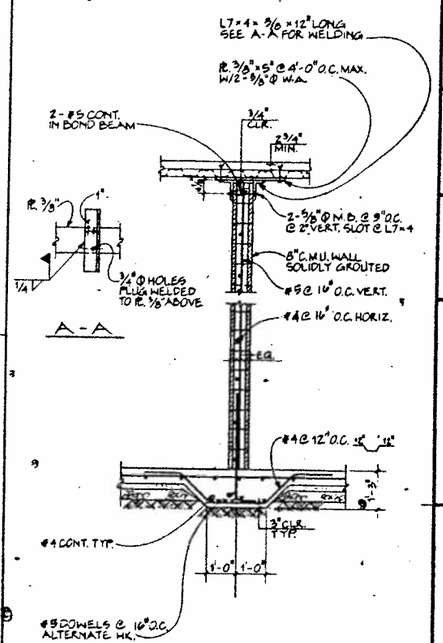

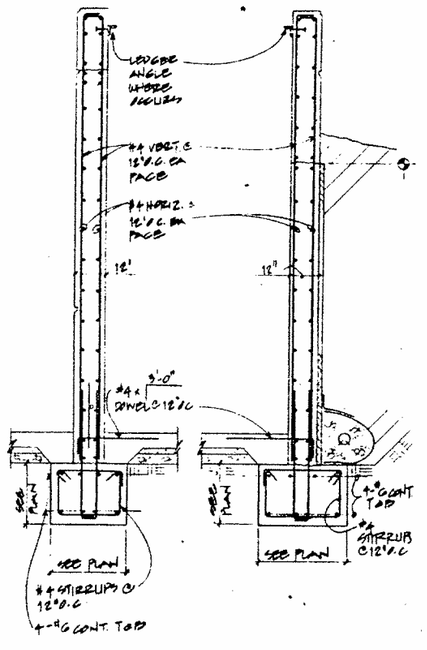

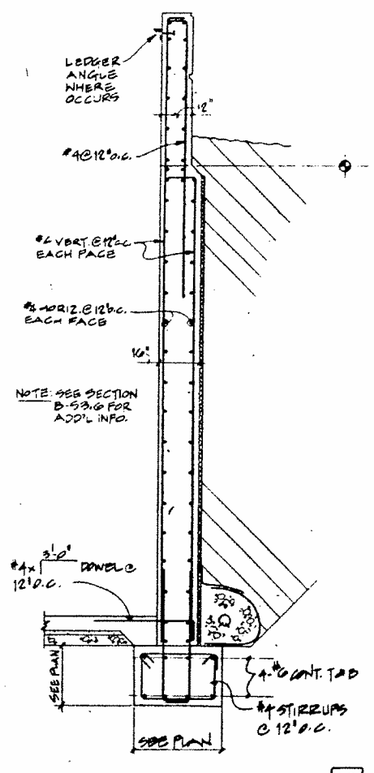

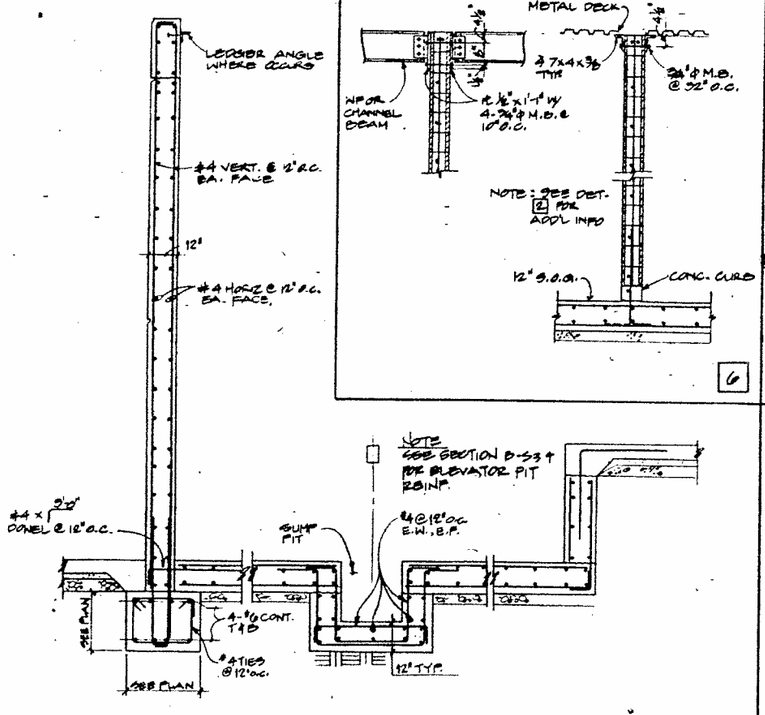

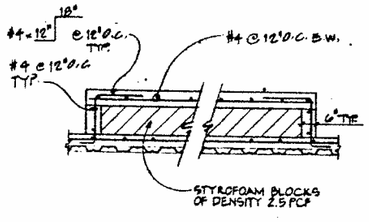

000750

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Laboratory Electrical Engineer

Revisions

No.	Date

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Kaiser Permanente Medical Care Program
Southern California Region

CONCRETE & MASONRY WALL SECTIONS AND DETAILS

SCALE: 1/2"=1'-0"

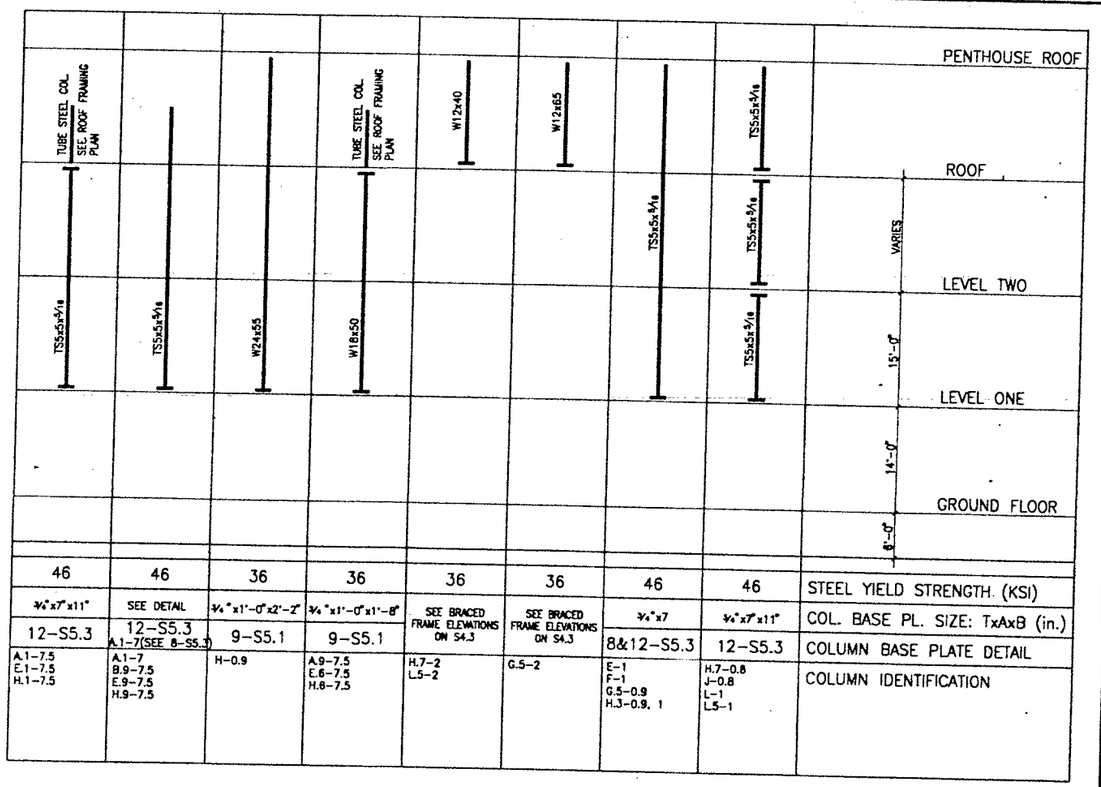
Project No. 19210.01

Date 4-1-91

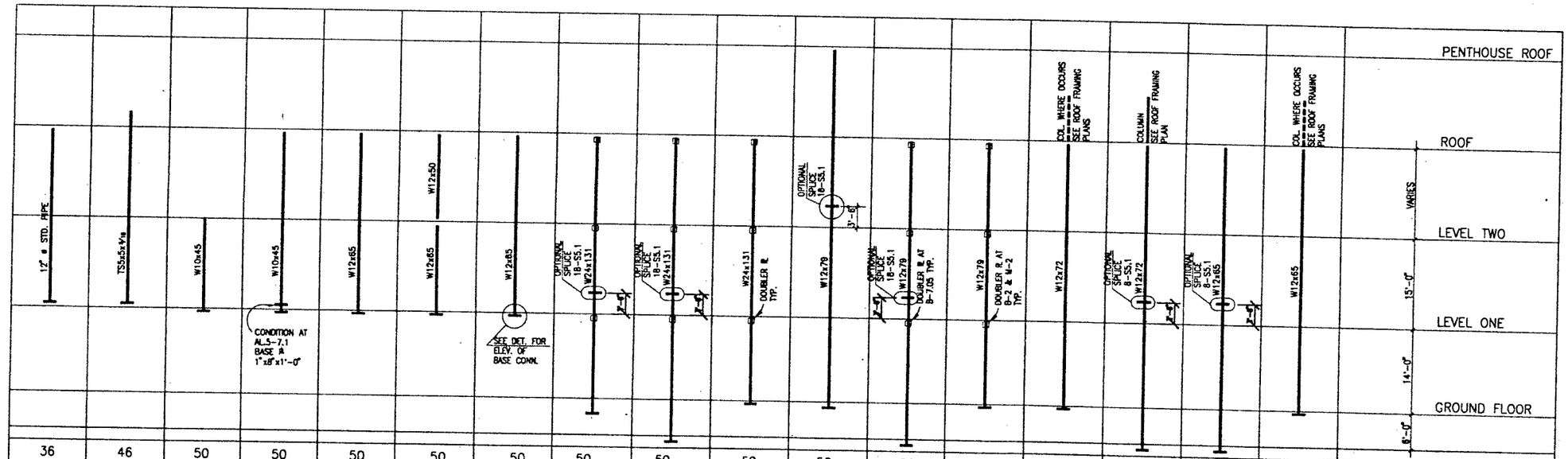
B

BID

Drawing No. S3.8



46	46	36	36	36	36	46	46	STEEL YIELD STRENGTH (KSI)
3/4"x7"x11"	SEE DETAIL	3/4"x1'-0"x2'-2"	3/4"x1'-0"x1'-8"	SEE BRACED FRAME ELEVATIONS ON S4.3	SEE BRACED FRAME ELEVATIONS ON S4.3	3/4"x7	3/4"x7"x11"	COL. BASE PL. SIZE: TxAxB (in.)
12-S5.3	12-S5.3 A.1-7(SEE 8-S5.3)	9-S5.1	9-S5.1			8&12-S5.3	12-S5.3	COLUMN BASE PLATE DETAIL
A.1-7.5 E.1-7.5 H.1-7.5	A.1-7 B.9-7.5 E.9-7.5 H.9-7.5	H-0.9	A.9-7.5 E.6-7.5 H.6-7.5	H.7-2 L.5-2	G.5-2	E-1 F-1 G.5-0.9 H.3-0.9, 1	H.7-0.8 J-0.8 L-1 L.5-1	COLUMN IDENTIFICATION



36	46	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	STEEL YIELD STRENGTH (KSI)
3/4"x1'-4"x1'-4"	3/4"x7"x11"	1"x1'-0"x1'-4"	1"x1'-0"x1'-4"	SEE DETAIL	SEE DETAIL	SEE BRACED FRAME ELEVATIONS ON S4.3	2 1/2"x1'-3"x2'-8"	2 1/2"x1'-3"x2'-8"	2 1/2"x1'-3"x2'-8"	1 1/8"x1'-3"x1'-3"	1 1/8"x1'-3"x1'-3"	1 1/8"x1'-3"x1'-3"	1 3/4"x1'-6"x1'-6"	1 3/4"x1'-6"x1'-6"	1 3/4"x1'-6"x1'-6"	1 3/4"x1'-6"x1'-6"	COL. BASE PL. SIZE: TxAxB (in.)
16-S5.3	12-S5.3	9-S5.1	9-S5.1	5-S5.3	5-S5.3		19-S5.1	19-S5.1	19-S5.1	9-S5.1	8-S5.1 TYP. SEE 7-S5.3 FOR B-7.05	9-S5.1 TYP. SEE 7-S5.3 FOR B-2, M-2 & M-7	9-S5.1	9-S5.1	9-S5.1	9-S5.1	COLUMN BASE PLATE DETAIL
J-7.1, 8	AL.7-7.3 M-7.3	AK.5-8	TANGENT-R1 Z3-R1 Z4-R1 AL.3-8 AL.5-7.1	AK-9	AK-8	AK.5-7.1, 9 AL-7.1 AL.3-9 AM-8, 9, 10, R1	M-6	B-4, 5, 6	B-3 M-3, 4, 5	E-2 F-2 H-2 J-2 L-2	B-7.05 C-7 D-7 E-7	B-2 L-7 C-2 M-2, 7 D-2 F-7 G-2, 7 H-7 J-7 K-2, 7	D-4 E-4, 5 F-4, 5 G-4, 5 H-4, 5 J-4, 5 K-4, 5 L-4, 5	0-5	C-5, 6 D-6	C-3, 4 D-3 E-3, 6 F-3, 6 G-3, 6 H-3, 6 J-3, 6 K-3, 6 L-3, 6	COLUMN IDENTIFICATION

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COLUMN SCHEDULE

000751

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Laboratory Electrical Engineer

Revisions
No. Date

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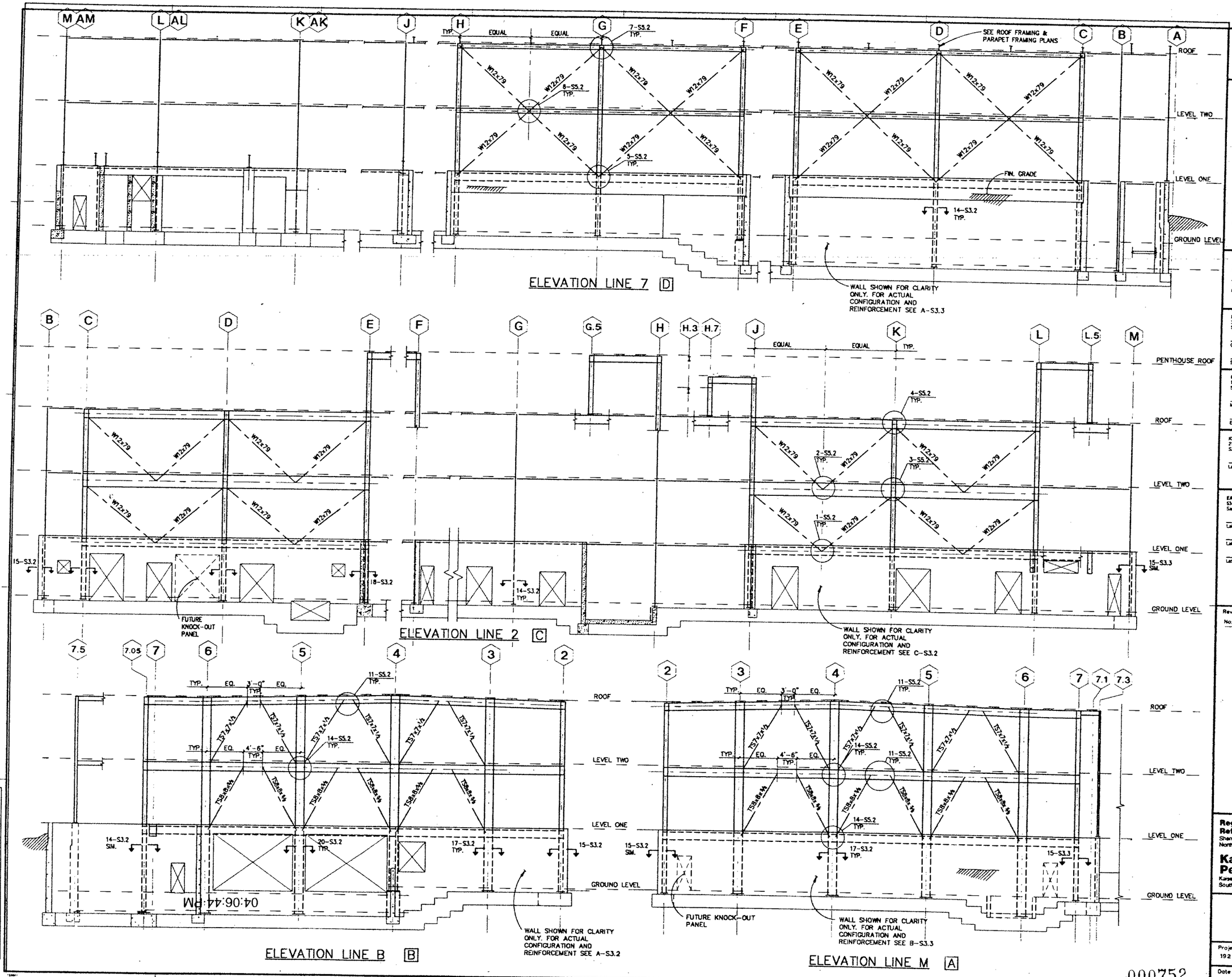
North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

COLUMN SCHEDULE

Project No.		Drawing No.
19210.01	B	S4.1
Date 4-1-91	BID	

PROJECT NO. 19210.01



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Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

BRACED FRAME ELEVATIONS

Project No. 19210.01 | SCALE: 1/8" = 1'-0" | Drawing No. B S4.2

Date 4-1-91 | BFD

000752

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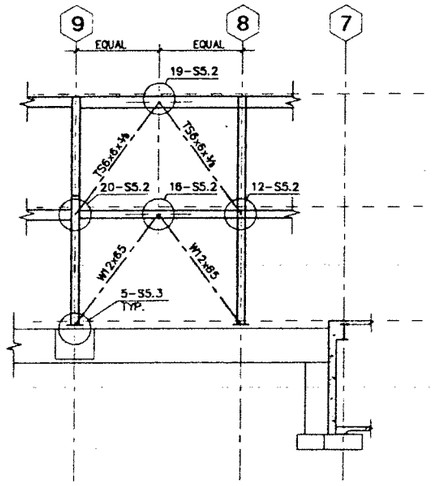
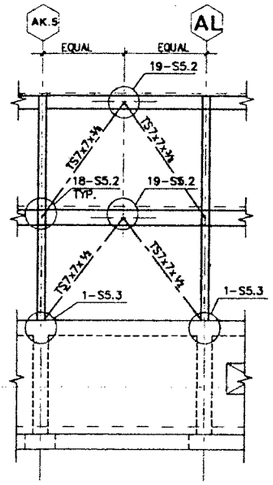


ELEVATION LINE AK L



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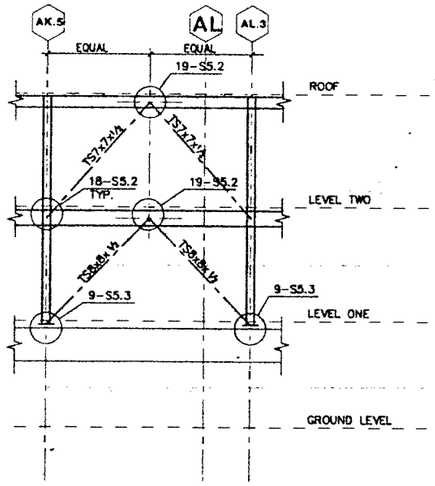
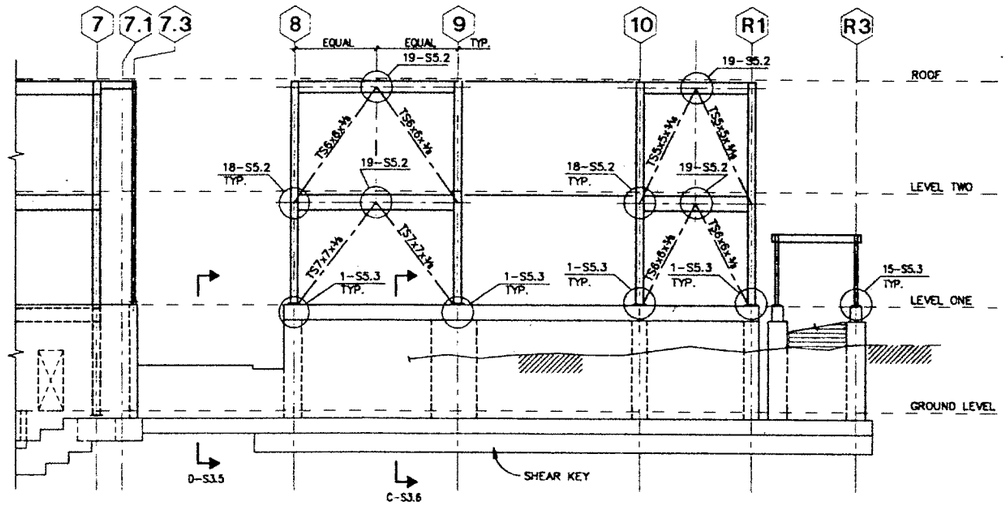
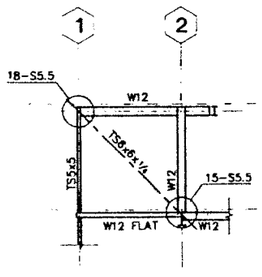


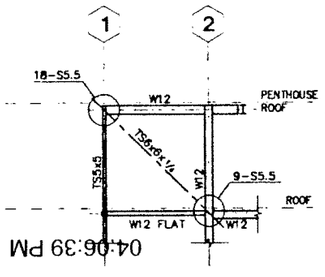
ELEVATION LINE 9 J



ELEVATION LINE AM H



LINE L.5 G



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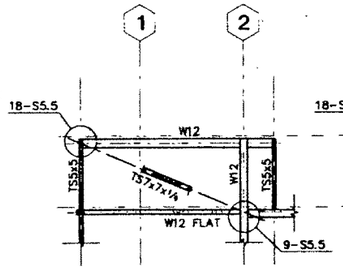

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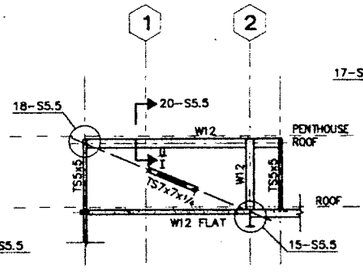

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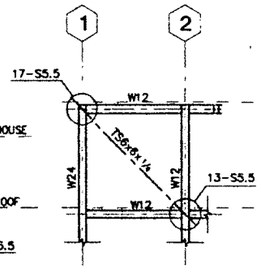

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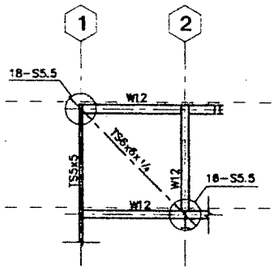

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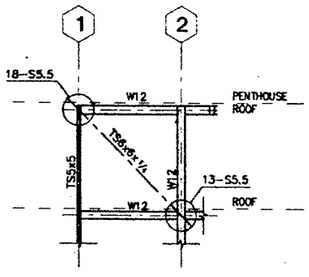

LINE E & F A

04:06:39 PM

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Southern California Region

BRACED FRAME ELEVATIONS

SCALE: 1/8" = 1'-0"

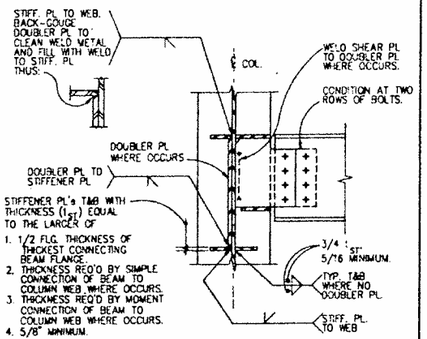
Project No.		Drawing No.
19210.01	B	S4.3
Date 4-1-91	BID	

BEAM SIZE	NO. OF BOLTS	SHEAR PLATE THICKNESS	WELD SIZE
W10, W12, W14	6	3/8	5/16
W16, W18	8	1/2	5/16
W21	12	5/8	3/8
W24	14	5/8	3/8
W27	14	5/8	3/8
W36	18	5/8	3/8

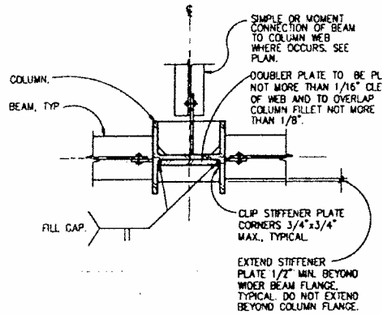
NOTES:

1. ALL BOLTS ARE 7/8"ø A325 BOLTS (SLIP CRITICAL). SEE DET. 2, 3, 5, & 6-S5.1
2. PROVIDE BOLTS IN TWO VERTICAL ROWS.
3. ALL BOLT HOLES ARE STANDARD HOLES.

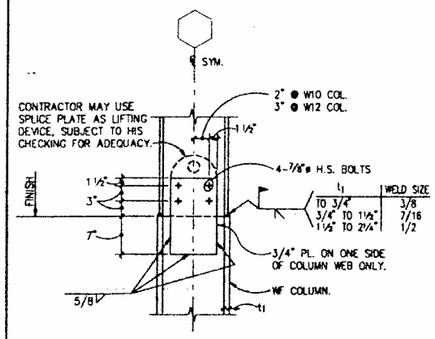
SPECIAL CONNECTION SCHEDULE 20



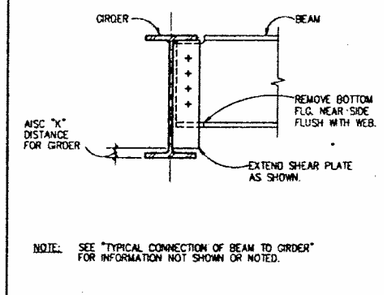
SECTION 16



PLAN SECTION 12

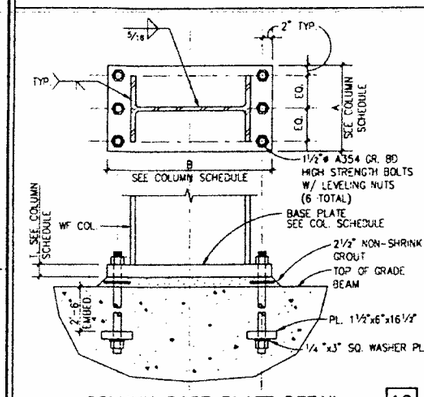


COLUMN SPLICE NON-TENSION COLUMNS 8

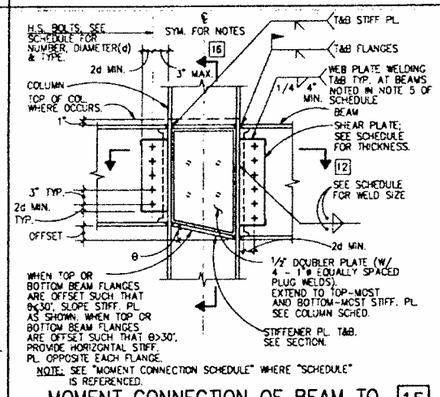


NOTE: SEE "TYPICAL CONNECTION OF BEAM TO GIRDER" FOR INFORMATION NOT SHOWN OR NOTED.

ONE SIDED CONNECTION OF BEAM TO GIRDER 4



COLUMN BASE PLATE DETAIL 19



NOTE: SEE "MOMENT CONNECTION SCHEDULE" WHERE "SCHEDULE" IS REFERENCED.

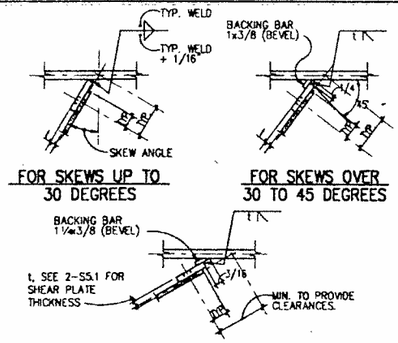
MOMENT CONNECTION OF BEAM TO COLUMN FLANGE 15

BEAM SIZE	NO. OF BOLTS	SHEAR PLATE THICKNESS	WELD SIZE
W12, W14	3	1/2	5/16
W16, W18	4	5/8	7/16
W21	5	5/8	7/16
W24	6	5/8	7/16

NOTES:

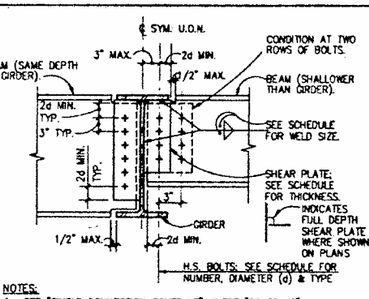
1. ALL BOLTS ARE 1"ø A325 BOLTS (SLIP CRITICAL).
2. ALL BOLTS ARE INSTALLED IN STANDARD HOLES, U.O.N.
3. PROVIDE BOLTS IN TWO VERTICAL ROWS, WHEN SCHEDULED BOLTS CANNOT FIT IN ONE ROW.
4. SCHEDULE WELDING AND BOLT TIGHTENING SEQUENCE TO MINIMIZE LOCKED-IN STRESSES.
5. WEB WELDING REQUIRED FOR BEAM W21x50. SEE 13&15-S5.1

MOMENT CONNECTION SCHEDULE 11



FOR SKEWS OVER 45 TO 60 DEGREES

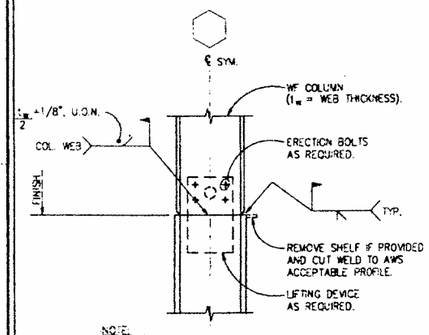
SHEAR CONNECTOR PLATES AT SKEWED MEMBERS 7



NOTES:

1. SEE "SIMPLE CONNECTION SCHEDULE" WHERE "SCHEDULE" IS REFERENCED. SEE 20-S5.1 WHERE NOTED ON DRAWINGS.
2. INSTALL BOLTS IN STANDARD HOLES.
3. SEE "ONE SIDED CONNECTION OF BEAM TO GIRDER" FOR CONNECTION WHERE BEAM OCCURS ONE SIDE OF GIRDER ONLY.
4. WHERE BEAM IS DEEPER THAN GIRDER, USE NO. OF BOLTS BASED UPON GIRDER DEPTH.

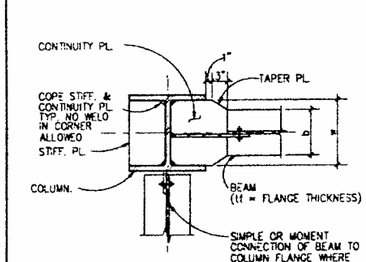
TYPICAL CONNECTION OF BEAM TO GIRDER 3



NOTE:

COMPLETE PENETRATION BUTT WELD WEB, WHERE NOTED ON COLUMN SCHEDULE.

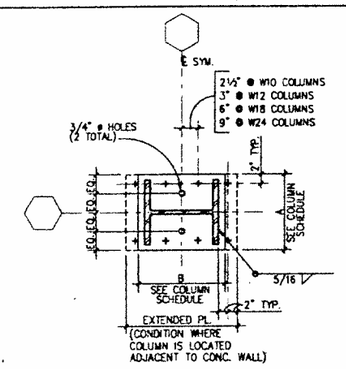
COLUMN SPLICE TENSION COLUMNS 18



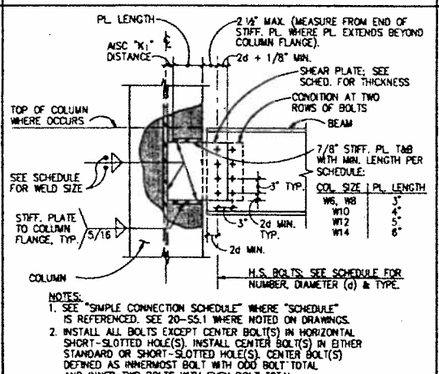
NOTE:

WHERE b > w, WIDEN CONTINUITY PL. TO SUIT AND PROVIDE A MINIMUM PL. THICKNESS OF $\frac{b}{w} \times t_f$

PLAN SECTION 14



PLAN SECTION 10



NOTES:

1. SEE "SIMPLE CONNECTION SCHEDULE" WHERE "SCHEDULE" IS REFERENCED. SEE 20-S5.1 WHERE NOTED ON DRAWINGS.
2. INSTALL ALL BOLTS EXCEPT CENTER BOLT(S) IN HORIZONTAL SHORT-SLOTTED HOLE(S). INSTALL CENTER BOLT(S) IN EITHER STANDARD OR SHORT-SLOTTED HOLE(S). CENTER BOLT(S) DEFINED AS INNERMOST BOLT WITH ODD BOLT TOTAL AND INNER TWO BOLTS WITH EVEN BOLT TOTAL.

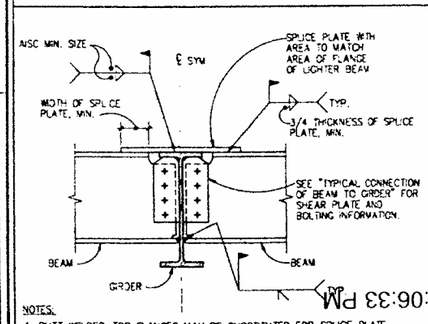
SIMPLE CONNECTION OF BEAM TO COLUMN WEB 6

BEAM SIZE	NO. OF BOLTS	SHEAR PLATE THICKNESS	WELD SIZE
W8, W10	2	3/8	5/16
W12, W14	3	3/8	5/16
W18, W18	4	3/8	5/16
W21	5	7/16	3/8
W24	6	7/16	3/8
W27	7	7/16	3/8
W30	8	5/8	3/8
W36	10	5/8	3/8

NOTES:

1. ALL BOLTS, ARE 7/8"ø A325 BOLTS (SLIP CRITICAL), U.O.N.
2. ALL BOLTS ARE INSTALLED IN STANDARD OR SHORT-SLOTTED (HORIZONTAL ORIENTATION OF SLOT) HOLES AS NOTED IN SPECIFIC DETAILS.
3. PROVIDE BOLTS IN TWO VERTICAL ROWS WHEN SCHEDULED BOLTS CANNOT FIT IN ONE ROW.

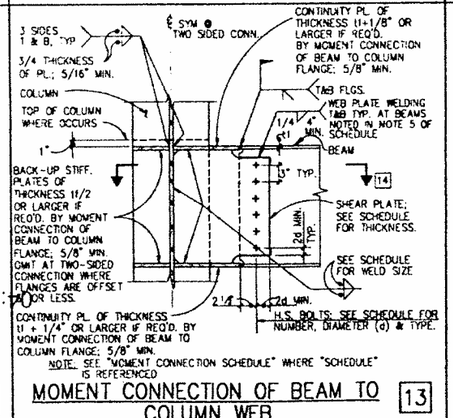
SIMPLE CONNECTION SCHEDULE 2



NOTES:

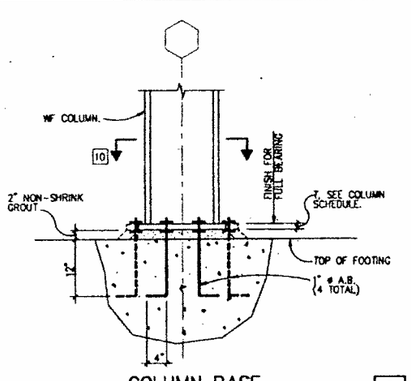
1. BUTT WELDED TOP FLANGES MAY BE SUBSTITUTED FOR SPLICE PLATE WHERE GIRDER FLANGE IS THICKER THAN BEAM FLANGE.
2. HIGHLIGHT SPLICE PLATE ON SHOP DRAWINGS FOR REVIEW BY ENGINEER.
3. WHEN DEPTH OF BEAM IS SAME AS DEPTH OF GIRDER, USE SPLICE PLATE ON BOTTOM FLANGE SIMILAR TO TOP FLANGE. SHIM AS REQUIRED.

MOMENT CONNECTION OF BEAM TO GIRDER 17

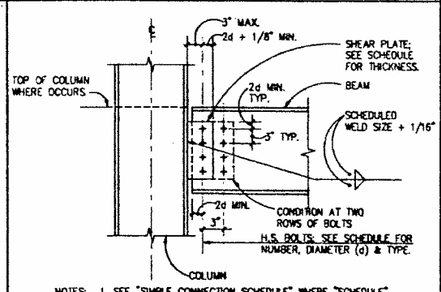


NOTE: SEE "MOMENT CONNECTION SCHEDULE" WHERE "SCHEDULE" IS REFERENCED

MOMENT CONNECTION OF BEAM TO COLUMN WEB 13



COLUMN BASE 9



NOTES: 1. SEE "SIMPLE CONNECTION SCHEDULE" WHERE "SCHEDULE" IS REFERENCED. SEE 20-S5.1 WHERE NOTED ON DRAWINGS.

2. INSTALL ALL BOLTS EXCEPT CENTER BOLT(S) IN SHORT-SLOTTED HOLE(S). INSTALL CENTER BOLT(S) IN EITHER STANDARD OR SHORT-SLOTTED HOLE(S). CENTER BOLT(S) DEFINED AS INNERMOST BOLT WITH ODD BOLT TOTAL AND INNER TWO BOLTS WITH EVEN BOLT TOTAL.

SIMPLE CONNECTION OF BEAM TO COLUMN FLANGE 5

1. ALL BOLTS SHALL BE FULLY TIGHTENED TO SLIP CRITICAL REQUIREMENTS.
2. STD. OR SSL HOLES ARE ACCEPTABLE U.O.N.
3. TOLERANCES, EDGE DISTANCES, AND DIMENSIONS NOT SHOWN SHALL BE PER AISC.
4. ALL WELDING SHALL BE DONE IN ACCORDANCE WITH AISC AND AWS D1.1.
5. AS A MINIMUM, ALL WELDS MUST SATISFY THE MINIMUM SIZE REQUIREMENTS STATED IN AISC.
6. ALL TWO-SIDED FILLET WELDS SHOWN SHALL BE WELDED WITH THE SAME (GIVEN) WELD SIZE ON BOTH SIDES, U.O.N.
7. ALL UNSIZED GROOVE OR BUTT WELDS SHOWN SHALL BE COMPLETE PENETRATION. ALL PROVISIONS OF AWS SHALL BE OBSERVED INCLUDING REQUIREMENTS FOR BACK-UP PLATES AND WELD TRANSITIONS WHETHER OR NOT THEY ARE SPECIFICALLY SHOWN.
8. A WRITTEN PROCEDURE SPECIFICATION SHALL BE SUBMITTED TO THE TESTING LABORATORY. IT SHALL INCLUDE ALL WELDING PROCEDURES TO BE USED AS DESCRIBED IN AWS, CHAPTER 5.
9. SPECIAL CONSIDERATION SHALL BE GIVEN TO WELDING TECHNIQUE AND SEQUENCE, PARTICULARLY WHERE THERE IS A POTENTIAL FOR LAMELLAR (THROUGH-THICKNESS) TEARING, OR WELD CRACKING DUE TO RESTRAINED SHRINKAGE.

FABRICATION & WELDING NOTES 1

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TYPICAL STEEL DETAILS

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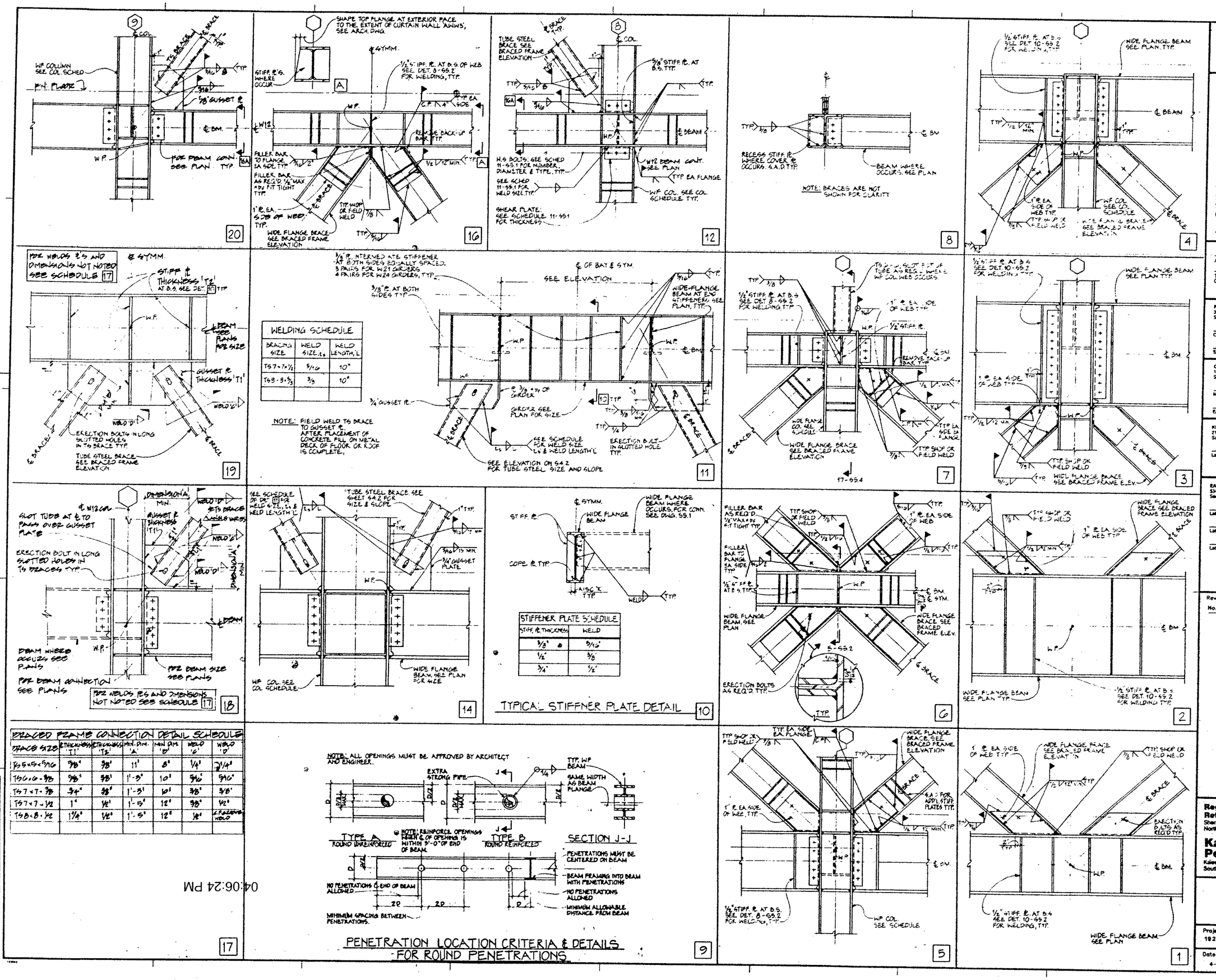
Project No.		Drawing No.
19210.01	B	S5.1
Date 4-1-91	BRD	



BRACED FRAME CONNECTION DETAIL SCHEDULE						
BRACE SIZE	THICKNESS 'T1'	THICKNESS 'T2'	MIN. DIM. 'A'	MIN. DIM. 'B'	WELD 'G'	WELD 'D'
TS5x5x5/16	3/8"	3/8"	11"	8"	1/4"	3/16"
TS6x6x3/8	5/8"	3/8"	1'-3"	10"	5/16"	5/16"
TS7x7x3/8	3/4"	3/8"	1'-3"	10"	3/8"	3/8"
TS7x7x1/2	1"	1/2"	1'-5"	12"	3/8"	1/2"
TS8x8x1/2	1 1/4"	1/2"	1'-5"	12"	1/2"	2 FACING WELD

WELDING SCHEDULE		
BRACING SIZE	WELD SIZE L	WELD LENGTH'L
TS 7x7x1/2	5/16	10"
TS 8x8x5/8	3/8	10"

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Revisions
No. | Date

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Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

STEEL DETAILS
SCALE: 1"=1'-0"
000755

Project No.		Drawing No.
19210.01	B	S5.2
Date 4-1-91	BID	

PROJECT NO. 19210.01

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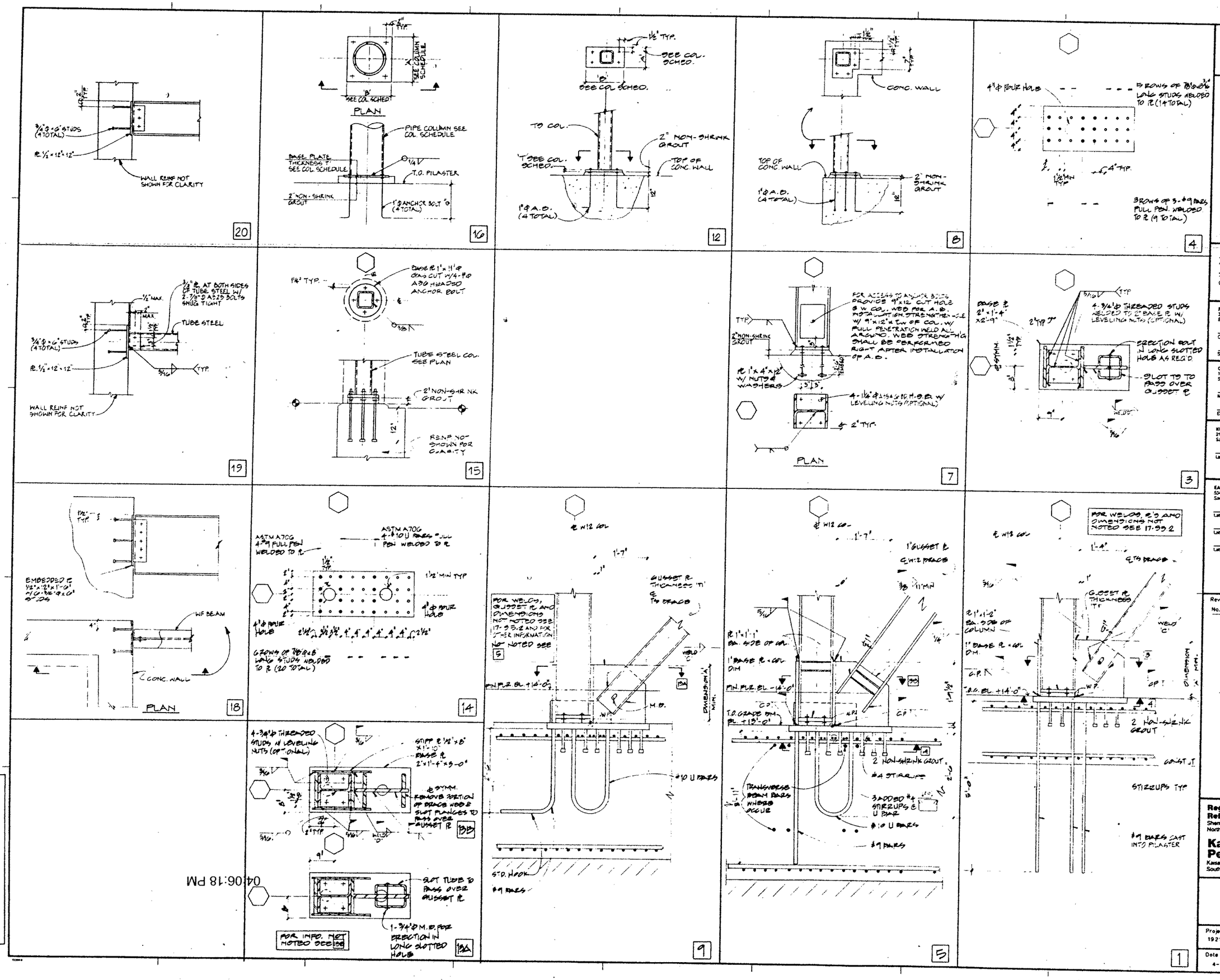

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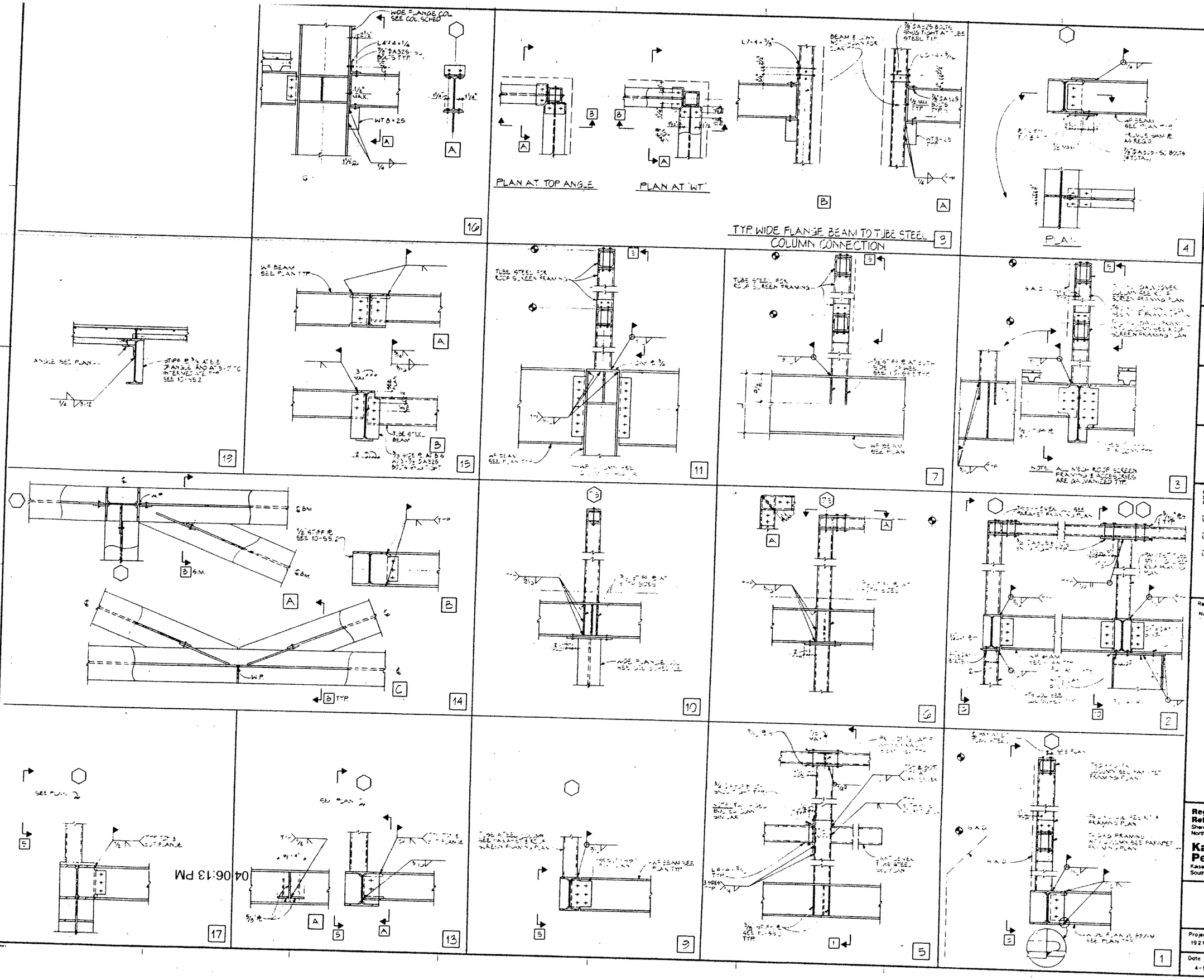
STEEL DETAILS
SCALE: 1"=1'-0"

000756

Project No.		Drawing No.
19210.01	B	
Date 4-1-91	BID	S5.3



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STEEL DETAILS

SCALE: 1"=1'-0"

000757

Project No.		Drawing No.
19210.01	B	S5.4
Date 4-1-91	BID	

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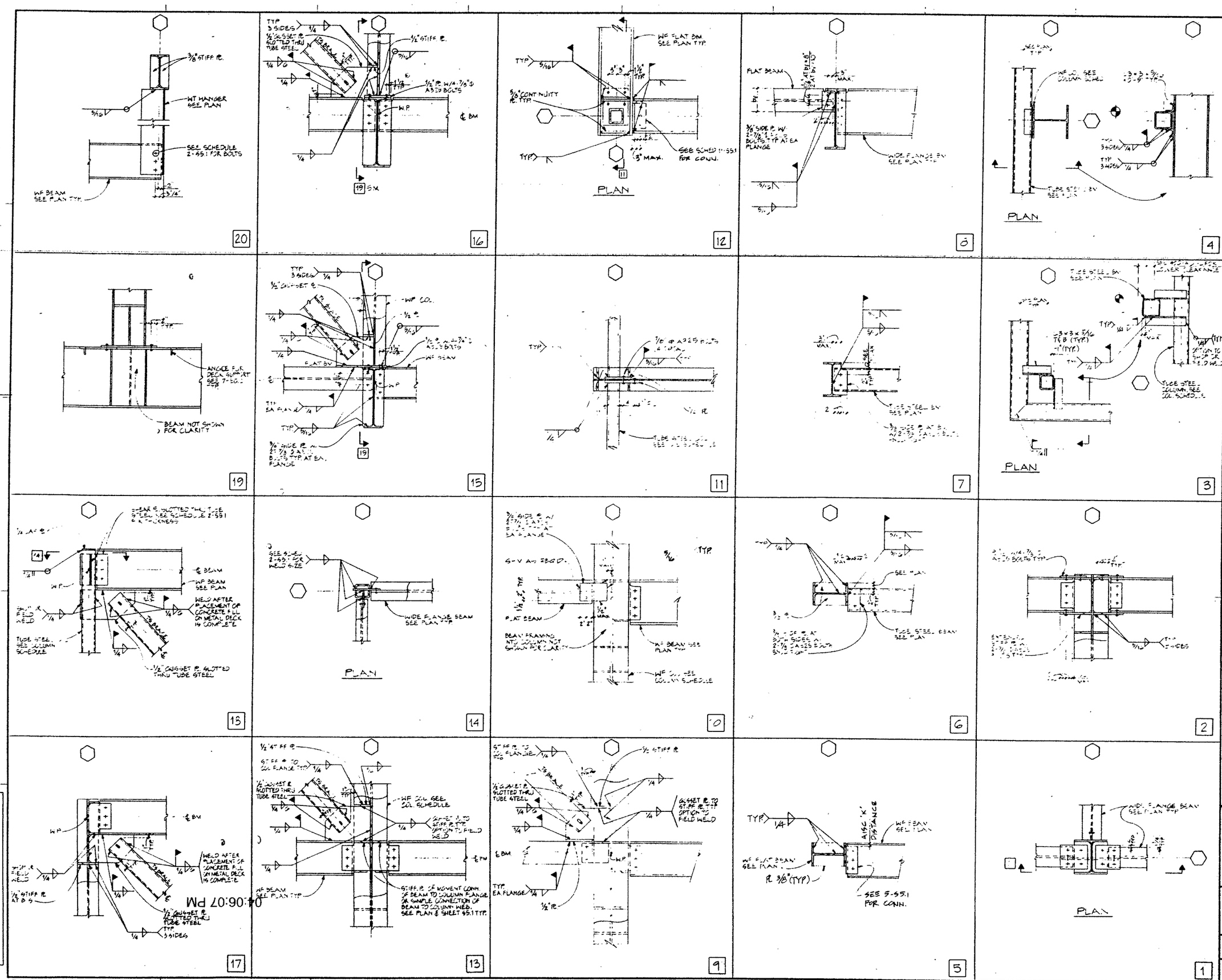

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STEEL DETAILS

SCALE: 1"=1'-0"

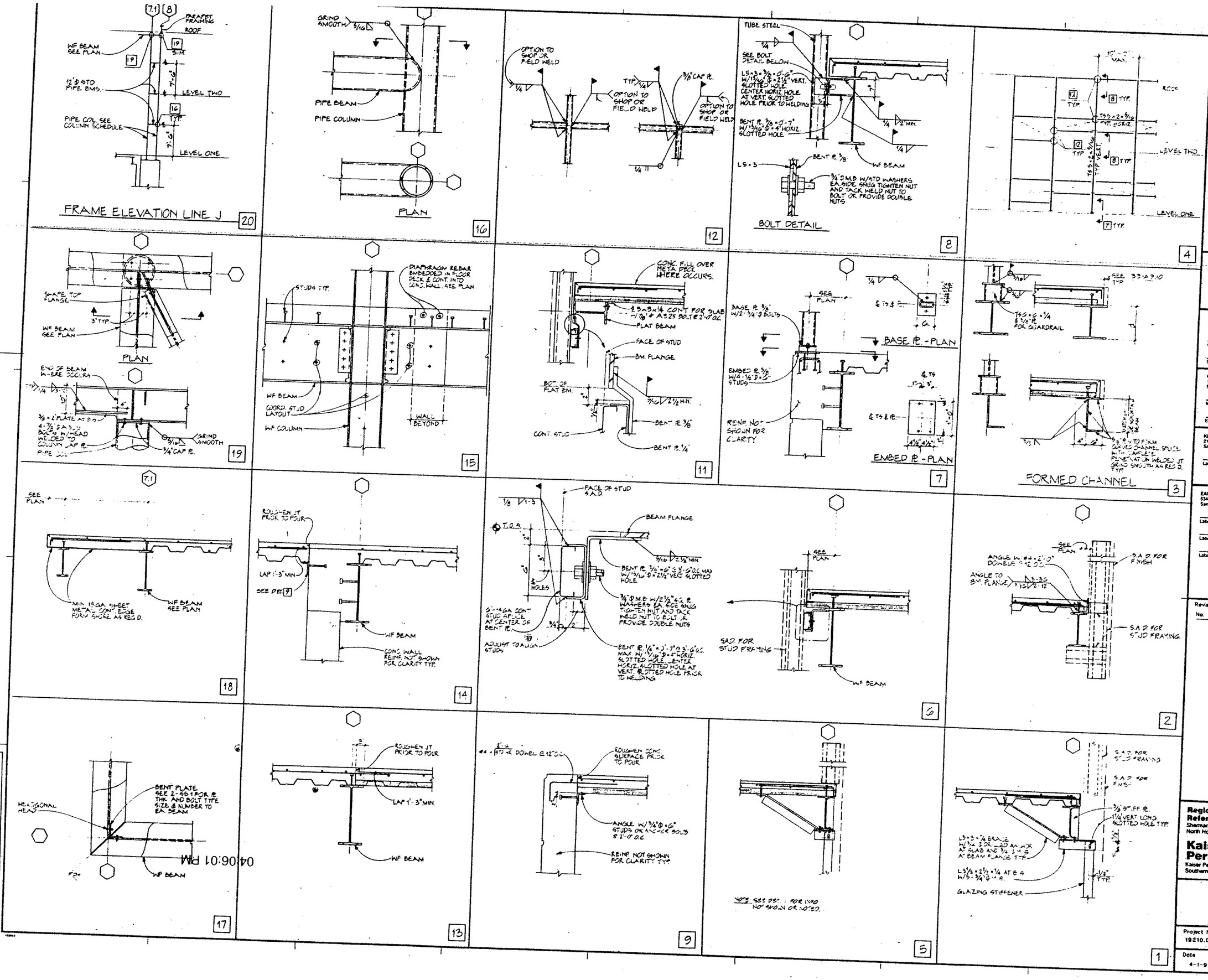
000758

Project No.		Drawing No.
19210.01	B	S5.1
Date 4-1-91	BKD	

PROJECT NO. 19210.01

FOURWAY TITLE

NO	DATE	TITLE	DATE



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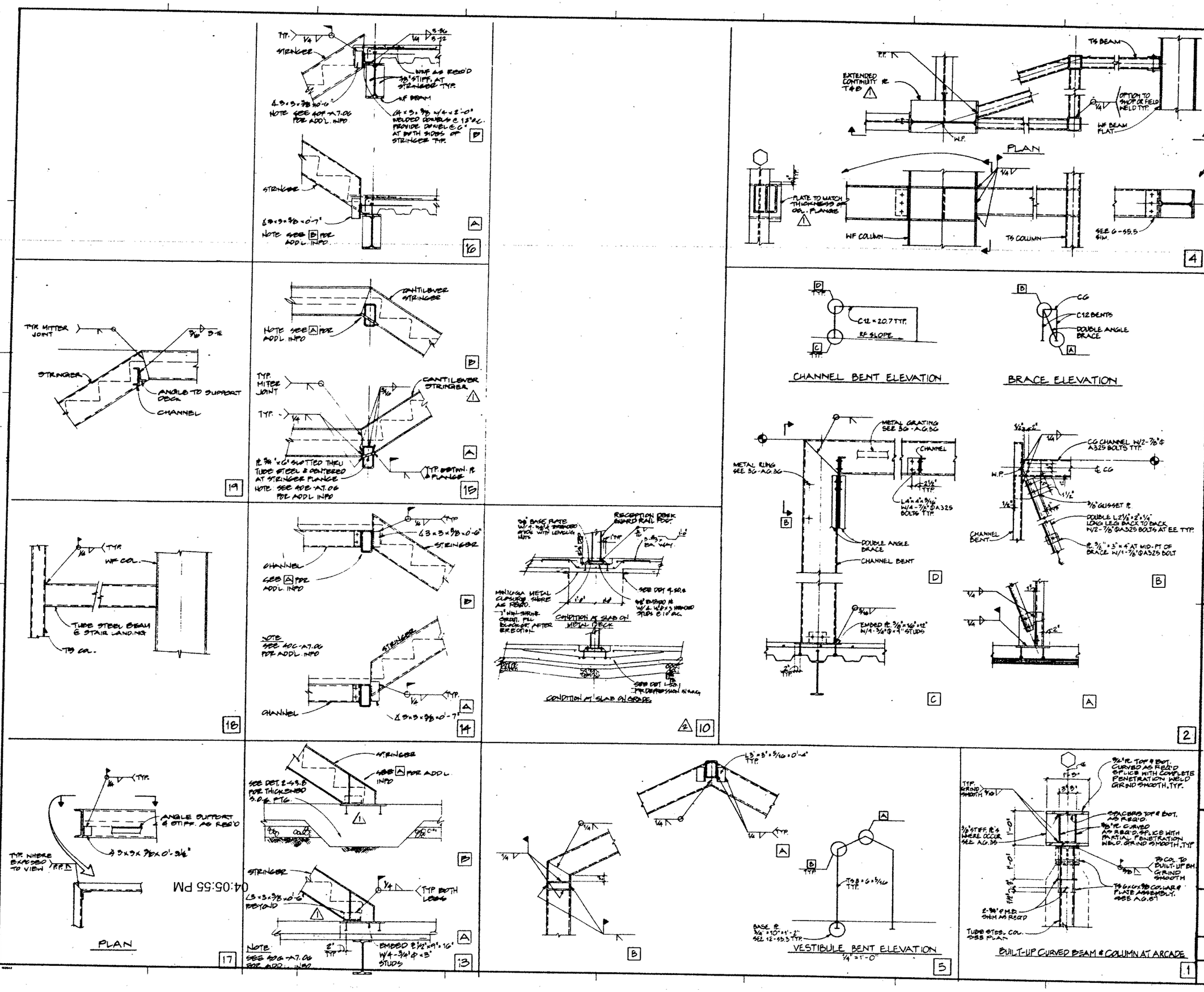
STEEL DETAILS

SCALE: 1"=1'-0"

000759

Project No.		Drawing No
19210.01	B	S5.6
Date 4-1-91	BID	



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No.		Date
1	ADDENDUM NO. 1	5-15-[illegible]
2	BULLETIN NO. 1	6-28-[illegible]

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STEEL DETAILS
SCALE: 1"=2'-0"

000760

Project No. 19210.01

Date

Drawing No. S5.7

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ABBREVIATIONS

AAV	AUTOMATIC AIR VENT
AC	AIR CONDITIONER
ACOUST	ACOUSTICAL
AD	ACCESS DOOR
AFS	AIR FLOW SWITCH
AHU	AIR HANDLER UNIT
AP	ACCESS PANEL
APPROX	APPROXIMATE
ARCH	ARCHITECTURAL
AUTO	AUTOMATIC
B	BOILER
BC	BALANCING COCK
BD	BACKDRAFT DAMPER
BHP	BRAKE HORSEPOWER
BLV	BALL VALVE
BOD	BOTTOM OF DUCT
BOP	BOTTOM OF PIPE
BTU	BRITISH THERMAL UNIT
BTUH	BRITISH THERMAL UNIT / HOUR
BV	BUTTERFLY VALVE
CC	COOLING COIL
CCC	CLOSED CIRCUIT COOLER
CFM	CUBIC FEET PER MINUTE
CH	CHILLER
CHV	CHECK VALVE
CLG	CEILING
CLR	CLEAR
CONC	CONCRETE
CONN	CONNECTION
CONT	CONTINUOUS/CONTINUE
CT	COOLING TOWER
CV	CONSTANT VOLUME
Cv	FLOW COEFFICIENT
D	DAMPER
DA	DIRECT ACTING
DIA	DIAMETER
DIM	DIMENSION
DN	DOWN
DP	DIFFERENTIAL PRESSURE
DPS	DIFFERENTIAL PRESSURE SWITCH
DWG	DRAWING
E	EXHAUST, RETURN FAN
EA	EXHAUST AIR
EAD	EXHAUST AIR DAMPER
EDB	ENTERING DRY BULB
EF	EXHAUST FAN
EFF	EFFICIENT
ELECT	ELECTRICAL
EQPT	EQUIPMENT
ET	EXPANSION TANK
EWB	ENTERING WET BULB
EWT	ENTERING WATER TEMPERATURE
EXH	EXHAUST
EXIST	EXISTING
EXP	EXPANSION
F	FILTERS
FC	FLEXIBLE CONNECTION
FCV	FLOW CONTROL VALVE
FD	FIRE DAMPER
FE	FUME EXHAUST
FM	FLOW METER
FPM	FEET PER MINUTE
FS	FLOW SWITCH
FT (')	FOOT OR FEET
GA	GAUGE
GALV	GALVANIZED
GL V	GLOBE VALVE
GPM	GALLONS PER MINUTE
GV	GATE VALVE
GYP BD	GYPSUM BOARD
H, HT	HEIGHT
HC	HEATING COIL
HD	HEAD (FEET OF WATER)
HDT	HORIZONTAL DRAW THROUGH
HORIZ	HORIZONTAL
HP	HORSEPOWER
HX	HEAT EXCHANGER
IN (")	INCH OR INCHES
INSUL	INSULATION
JT	JOINT
LBS	POUNDS
LDB	LEAVING DRY BULB
LT	LIGHT
LWB	LEAVING WET BULB
LWT	LEAVING WATER TEMPERATURE
MAX	MAXIMUM
MBH	1000 BTUH
MD	MOTORIZED DAMPER
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NTS	NOT TO SCALE
OAD	OUTSIDE AIR DAMPER
OA	OUTSIDE AIR
OC	ON CENTER
OD	OUTSIDE DIAMETER
P	PUMP
PD	PRESSURE DROP
PLUMB	PLUMBING
RA	RETURN AIR
RA	REVERSE ACTING
RAD	RETURN AIR DAMPER
REQD	REQUIRED
RF	RETURN FAN
RHC	REHEAT COIL
RPM	REVOLUTIONS PER MINUTE
S	SUPPLY FAN
SA	SUPPLY AIR
SD	SMOKE DETECTOR
SIM	SIMILAR
SM	SHEET METAL
SP	STATIC PRESSURE
SS	STAINLESS STEEL
ST	SOUND TRAP
STRUCT	STRUCTURAL
TC	TEMPERATURE CONTROL
TCP	TEMPERATURE CONTROL PANEL
TD	TRANSFER DUCT
TEMP	TEMPERATURE
THRU	THROUGH
TP	TOTAL PRESSURE
TON	12,000 BTUH
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
UTR	UP THROUGH ROOF
V	VENT
VAV	VARIABLE AIR VOLUME
VDT	VERTICAL DRAW THROUGH
VERT	VERTICAL
VIB	VIBRATION
W	WIDTH
WD	WOOD
WF	WIDE FLANGE BEAM
WFS	WATER FLOW SWITCH
WG	WATER GAUGE
WT	WEIGHT
W/	WITH
W/O	WITHOUT
(A)	ABOVE
(B)	BELOW
(E)	EXISTING
(F)	FUTURE
(N)	NEW
@	AT
℄	CENTER LINE
#	NUMBER
&	AND
PL	PLATE
⌀	DIAMETER, PHASE
∠	ANGLE IRON
[	CHANNEL
2P	2 POSITION
2W	2 WAY
3W	3 WAY
°F	DEGREE FAHRENHEIT

GENERAL NOTES

1. COORDINATE WITH ELECTRICAL LIGHT AND POWER CONDUIT RUNS, LIGHT FIXTURE.S, SPRINKLER PIPING, PLUMBING PIPING, AND STRUCTURE.
2. FLEXIBLE DUCTS AT ROUND NECK DIFFUSERS ARE SAME AS DIFFUSER NECK SIZE UNLESS OTHERWISE INDICATED.
3. RECTANGULAR DUCTS AT RECTANGULAR NECK DIFFUSERS ARE SAME SIZE AS DIFFUSER NECK SIZE UNLESS OTHERWISE INDICATED.
4. DUCT AT REHEAT COILS INLETS ARE SAME SIZE AS REHEAT COILS UNLESS OTHERWISE INDICATED. PROVIDE REQUIRED INLET AND OUTLET TRANSITIONS. PROVIDE ACCESS DOOR UPSTREAM OF REHEAT COILS UNLESS OTHERWISE INDICATED.
5. SEE REHEAT COIL SCHEDULE FOR SIZES OF ALL REHEAT COILS.
6. HHW PIPING RUNOUTS TO REHEAT COILS ARE 3/4" UNLESS SHOWN OTHERWISE.
7. SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS OF CEILING SUPPLY, RETURN, AND EXHAUST FIXTURES.
8. ALL STEEL FUME EXHAUST COMPONENTS INCLUDING FANS, DUCTS UP TO HOODS, DAMPERS, ETC. ARE TO BE COATED WITH SPECIFIED PRODUCT EXCEPT WHERE COMPONENTS ARE UPSTREAM OF COATED TO NON-COATED FUME EXHAUST DUCT TRANSITION.
9. CONNECT FUME HOOD EXHAUST DUCT TO FUME HOODS. SEE DETAIL 5/M5.5.
10. PROVIDE VOLUME DAMPER IN ALL FUME EXHAUST BRANCH DUCTS CONNECTED TO LAB EQUIPMENT.

PIPING LEGEND

Symbol	Description
CHWS	CHILLED WATER SUPPLY
CHWR	CHILLED WATER RETURN
HHWS	HEATING HOT WATER SUPPLY
HHWR	HEATING HOT WATER RETURN
CWS	CONDENSER WATER SUPPLY
CWR	CONDENSER WATER RETURN
CCWS	CLOSED CIRCUIT WATER SUPPLY
CCWR	CLOSED CIRCUIT WATER RETURN
	ARROW INDICATES DIRECTION OF FLOW IN PIPE. LEADER INDICATES DOWNWARD SLOPE.
	PIPE SIZE CHANGE
	PIPE INTO PLANE
	PIPE OUT OF PLANE
	PIPE DIRECTION CHANGE
	PIPE BRANCH – OUT OF PLANE
	PIPE BRANCH – IN TO PLANE
	PIPE BRANCH – IN PLANE
	CONCENTRIC/ECCENTRIC REDUCER/INCREASER
	GATE VALVE OR GAUGE COCK
	GLOBE VALVE
	CHECK VALVE
	COMBINATION STOP/CHECK/BALANCE VALVE
	COMBINATION STRAINER/SHUT-OFF VALVE
	STRAINER WITH BLOW DOWN GATE VALVE
	BALL VALVE
	BALANCING COCK
	LUBRICATED PLUG VALVE
PSI	PRESSURE SAFETY RELIEF VALVE WITH SETTING INDICATED
GPM	FLOW CONTROL VALVE WITH GPM INDICATED
	BUTTERFLY VALVE
M	MOTORIZED BUTTERFLY VALVE
	TWO POSITION CONTROL VALVE
	TWO WAY MODULATING CONTROL VALVE
	THREE WAY MODULATING CONTROL VALVE
M	THREE WAY MOTORIZED LINKED BUTTERFLY CONTROL VALVE
	TEST FITTING
	PRESSURE GAUGE WITH COCK
F	FLOW METER
	WATER METER
	FLOW SWITCH
PSI	WATER PRESSURE REGULATOR WITH CONTROL PRESSURE INDICATED
	THERMOMETER GAUGE WITH WELL
	PIPE SENSOR OR THERMOMETER WELL
	TWIN SPHERE PIPE FLEX CONNECTOR
	DRAIN WITH GATE VALVE AND HOSE BIBB
	METALLIC PIPE FLEX CONNECTOR
A	PIPE ANCHOR
	UNION
	FLANGE
V	AIR VENT – MANUAL OR AUTO AS INDICATED
DP	DIFFERENTIAL PRESSURE SWITCH
	PUMP
P	PRESSURE SENSOR
	SHOCK ABSORBER
SD	SUCTION DIFFUSER

DUCT LEGEND

SINGLE LINE	DOUBLE LINE	Description
		PLENUM WITHOUT INSULATION LINER
		PLENUM WITH INSULATION LINER
		ACOUSTIC PLENUM PANELS
12x8	12x8	RECTANGULAR DUCT WITH NET INSIDE DIMENSIONS SHOWN IN INCHES. ARROW INDICATES FLOW DIRECTION.
12x8	12x8	DUCT WITH INTERNAL ACOUSTICAL INSULATION. DIMENSIONS SHOWN ARE NET INSIDE IN INCHES.
FE	FE	TRANSITION BETWEEN COATED AND NON-COATED FUME EXHAUST DUCT. ACOUSTIC LINER AT NON-COATED WHEN INDICATED.
12"⌀	12"⌀	ROUND DUCT WITH NET INSIDE DIMENSION SHOWN IN INCHES
UP	UP	INCLINED RISE } WITH RESPECT TO AIR FLOW. 15° NOMINAL INCLINE WITH RADIUS TURNS = DEPTH OF DUCT.
DN	DN	INCLINED DROP } WITH RESPECT TO AIR FLOW. 15° NOMINAL INCLINE WITH RADIUS TURNS = DEPTH OF DUCT.
	W, R	R/W = 1. ROUND DUCT SIMILAR TO RECTANGULAR
ATV	ATV	TURNING VANES – AIR FOIL TYPE. (ATV = ACOUSTIC TURNING VANES)
		RECTANGULAR TO RECTANGULAR OR ROUND TO ROUND DUCT TRANSFORMATION. MAXIMUM 15° INCLUDED ANGLE EXCEPT WHERE SHOWN OTHERWISE.
9x9, 9"⌀	9x9, 9"⌀	RECTANGULAR TO ROUND DUCT TRANSFORMATION
6	R+, 6	BRANCH DUCT SPLIT WITH 6 INCH WIDTH AND MINIMUM R = WIDTH OF BRANCH DUCT DOWNSTREAM. ELBOW TURNING VANE OPTIONAL.
		BRANCH TAKEOFF WITH ADJUSTABLE VOLUME EXTRACTOR
RECT TO ⌀; RECT ROUND ALL	1.50, 1.250, 45°, D, D	TAP ENTRY AREA EQUALS 150% OF BRANCH AREA
		DUCT CHANGE IN PLANE. PLAN AND ELEVATION. USE 45° RADIUS ELBOW WHERE PRACTICAL. ROUND DUCT SIMILAR.
24x12, 150/10"⌀, 18x8	18x8, 24x12, 10⌀, 150/10"⌀, D	DIFFUSER DROP. PLAN AND ELEVATION
24x12, 200/12x12	EQUAL, 24x12, 12x12, 200/12x12	DIFFUSER DROP. PLAN AND ELEVATION
F.C.	F.C.	FLEXIBLE DUCT CONNECTION
		FLEXIBLE DUCT
		SINGLE BLADE OR MULTIBLADE VOLUME DAMPER
		MULTIBLADE VOLUME DAMPER
		MOTORIZED DAMPER IN DUCT
BD	B.D.	BACKDRAFT DAMPER
FD	FD	FIRE DAMPER IN DUCT. ACCESS PANEL REQUIRED
AP	A.P.	ACCESS PANEL
AD	AD	ACCESS DOOR IN DUCT OR PLENUM.
		HEATING OR COOLING COIL IN DUCT.
		SUPPLY } RECTANGULAR DUCT SECTION
		RETURN } RECTANGULAR DUCT SECTION
		EXHAUST } RECTANGULAR DUCT SECTION
		ROUND DUCT SECTION
A	200/12x6x3	CEILING SUPPLY DIFFUSER
A	-200/20x10	CEILING RETURN REGISTER
A	-200/20x10	CEILING EXHAUST REGISTER
A	400/24x10	SIDEWALL SUPPLY REGISTER
A	-200/24x10	SIDEWALL EXHAUST OR RETURN REGISTER
A	250/12"⌀x1	CEILING SUPPLY DIFFUSER WITH FLEXIBLE DUCT
A	RETURN/24x24	CEILING PLENUM RETURN REGISTER

TOP FIGURE INDICATES CFM. BOTTOM FIGURES INDICATE NECK SIZE AND DIRECTION AND NUMBER OF THROWS ON SUPPLY DIFFUSER. DUCT SIZE IS FULL SIZE OF DIFFUSER/REGISTER CONNECTION. LETTER INDICATES STYLE IF DIFFERENT FROM BASE STYLE.

Symbol	Description
500 / 3 SLOTx2' x1/2" SLOT	LINEAR DIFFUSER WITH ACOUSTICALLY LINED PLENUM AND FLEXIBLE DUCT CONNECTION. CFM ON TOP. NO. OF SLOTS, ACTIVE LENGTH, AND SLOT WIDTH AT BOTTOM
	SOUND TRAP
DP	DIFFERENTIAL PRESSURE SWITCH
SD	DUCT SMOKE DETECTOR
	DUCT HUMIDIFER
T	ROOM THERMOSTAT WITH TAG NUMBER(S) IF SERVING MORE THAN ONE TERMINAL OR REQUIRED FOR CLARITY.
1	SHEET NOTE TAG
H	ROOM HUMIDISTAT MOUNT 5'-0" ABOVE FINISHED FLOOR.
1 / M4.1	DETAIL / DIAGRAM NO. SHEET NO. } DETAIL / DIAGRAM TAG
A / M4.1	SECTION NO. SHEET NO. } SECTION TAG
SF / 1	EQUIPMENT TYPE EQUIPMENT NO. } EQUIPMENT TAG
12	EQUIPMENT NO. REFER TO LEGEND FOR TYPE. } EQUIPMENT TAG
	FAN
-785	DUCT CONNECTION TO FUME HOOD OR BIOSAFETY CABINET WITH INDICATED EXHAUST AIR QUANTITY

DESIGN CRITERIA

OUTDOOR AIR TEMPERATURE — SUMMER / WINTER	101°FDB/70°FWB / 38°FDB
INDOOR AIR TEMPERATURE	72°FDB
INDOOR HUMIDITY CONTROL	NONE
BUILDING SUPPLY AIR FLOW PRESENT/FUTURE CFM ***	145,000/160,000
BUILDING EXHAUST AIR FLOW % OF SUPPLY AIR FLOW	100%
INDIVIDUAL LAB MODULE (11'x66') AIR FLOW–PRESENT/MAX	*/3300CFM**
OVERALL BUILDING LAB EQUIPMENT LOAD ALLOWANCE	10 WATTS /S.F.
MAXIMUM INDIVIDUAL LAB MODULE EQUIPMENT LOAD	20 WATTS/S.F. **
BUILDING COOLING LOAD – TONS PRESENT/FUTURE ***	670 / 740
CHILLER MAXIMUM COOLING CAPACITY – TONS	800 (2@400 TONS EACH)
SPACE FOR SIZE OF FUTURE CHILLER FOR FUTURE SITE DEVELOPMENT-TONS	800 (1 CHILLER)
BUILDING HEATING LOAD – MBH PRESENT/FUTURE	7220 / 7940
BOILER MAXIMUM HEATING CAPACITY – MBH (INCLUDING CAPACITY)	11200(2@5600MBH EACH)
SPACE FOR SIZE OF FUTURE BOILER FOR FUTURE SITE DEVELOPMENT–MBH	(1 BOILER) 5600
CLOSED CIRCUIT WATER SYSTEM CAPACITY – GPM (87° WATER TEMPERATURE) PRESENT/FUTURE (INCLUDES CAPACITY FOR FUTURE SITE DEVELOPMENT)	150/300
LAB PRESSURIZATION	NEGATIVE W/RESPECT TO PERIMETER CORRIDOR
BUILDING PRESSURIZATION	POSITIVE W/RESPECT TO OUTDOORS
EXHAUSTED EQUIPMENT MAXIMUM STATIC PRESSURE. (FUME HOODS, SNORKELS, ETC.). TYPICAL FUME HOODS MAY NEED TO OPERATE AT NO MORE THAN 100 FPM FACE VELOCITY WITH THE SASH OPEN 18 INCHES TO BE IN COMPLIANCE.	1-1/4"W.G.
AIR HANDLER SYSTEM TYPE	CONSTANT VOLUME WITH TERMINAL REHEAT

* AS SHOWN ON PLANS
** ROOMS G-409, 1-202, 1-214, 1-304, 1-306, 1-309, 1-310, 2-306 HAVE EQUIPMENT LOADS GREATER THAN 20 WATTS/S.F.
*** DOES NOT INCLUDE FUTURE SITE DEVELOPMENT.

Mechanical — Allowed / Proposed
- Whole Building HVAC Spec? (WB-4A) — NA
- Tailored HVAC Approach? (WB-4B)
- a. Heating Capacity — 11465 / 11200 MBH
- b. Cooling Capacity — 11071.9 / 9600 MBH
- c. Fan Performance Index — NA / NA
- Simultaneous Heat/Cool (WB-4C) — NA
- Other requirements: SEE FORM CF-4

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Revisions
No. | Date

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Kaiser Permanente
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Southern California Region

LEGEND AND ABBREVIATIONS
Scale: NONE
000761

Project No. 19210.01
Date 11 APR 91
B BIDDING
Drawing No. MO.1

PROJECT NO. 19210.01 — T TITLE — NO. — DWG TITLE — NOTES

4561; 4-10-91; MO_1; EMR

1300-09

CHILLER SCHEDULE

CHILLER TAG	CH-1,CH-2	CH-3
TRANE'S NUMBER	CVHE 500	
TYPE	CENTRIFUGAL	FUTURE
REFRIGERANT - PRESENT/(FUTURE)	R-11/(R-123)450/(450)	
CAPACITY - IN TONS OF REFRIGERATION	400	800
VOLTAGE - ø	480/3	
POWER - KW - PRESENT/(FUTURE)	264/(276)	
RUNNING LOAD AMPS AT RATED VOLT. (FULL LOAD)	439	
LOCKED ROTOR AMPS	2,763	
CAPACITY CONTROL - % OF FULL LOAD	10-100	
EVAPORATOR FOULING FACTOR (ARI 550-88)	.00025	
EVAPORATOR - NUMBER OF PASSES	2	
EVAPORATOR - WATER IN °F / OUT °F	59-44	
EVAPORATOR - GPM / VELOCITY (FPS)	640/4.47	
EVAPORATOR WATER PRESSURE DROP - FT.	7.3	
CONDENSER FOULING FACTOR (ARI 550-88)	.00075	
CONDENSER - NUMBER OF PASSES	2	
CONDENSER - WATER IN °F / OUT °F	85/94.6	
CONDENSER GPM / VELOCITY (FPS)	1200/7.34	
CONDENSER WATER PRESSURE DROP - FT.	16.6	
WEIGHT - LBS.	20,000	
STARTER - UNIT MOUNTED	STAR-DELTA	
APLV - PRESENT(FUTURE)	0.697(0.725)	
MAXIMUM SOUND PRESSURE - dBA(ARI 575-87)	79	

FAN SOUND POWER LEVELS

FAN TAG	OCTAVE BANDS 1	2	3	4	5	6	7	8
S-1	105	101	95	90	86	82	78	76
S-2	105	101	95	90	86	82	78	76
E-1	103	98	90	84	80	76	73	71
E-2	103	98	90	84	80	76	73	71
E-3	103	98	90	84	80	76	73	71
E-4	87	83	77	71	67	63	60	57
2 E-11	98	96	91	83	78	75	72	69

NOTE: SOUND LEVELS IN dB (10ee-12 WATTS)

COOLING TOWER SCHEDULE

COOLING TOWER TAG	CT-1	CT-2	CT-3,4
MANUFACTURER'S CATALOG NUMBER	BAC 3644-2		FUTURE
TONS OF REFRIGERATION	400	400	
WATER TEMP. - IN °F / OUT °F	95/84.5	95/84.5	
AMBIENT WET BULB - °F	72	72	
WATER FLOW - GPM	1265	1265	
FAN CFM	91,230	91,230	
FAN MOTOR HORSEPOWER	1-20 1-5	1-20 1-5	
FAN MOTOR VOLTAGE / ø	480/3	480/3	
FAN MOTOR RPM (EA. MOTOR)	1800	1800	
MAXIMUM DRIFT - %	0.1	0.1	
OPERATING WEIGHT - LBS.	14,000	14,000	

EXPANSION TANK SCHEDULE

TANK TAG	MANUFACTURER'S CATALOG NUMBER	SERVICE	TANK VOLUME GALLONS	ACCEPTANCE VOLUME GALLONS
ET - 1	AMTROL AX -100V	HEATING HOT WATER	55.7	23
ET - 2	AMTROL AX - 60V	CHILLED WATER	33.6	11.5
ET - 3	AMTROL AX - 60V	CLOSED CIRCUIT WATER	33.6	11.5

PLATE AND FRAME HEAT EXCHANGER SCHEDULE (FLUID TO FLUID)

TAG		HX-1
MFR.'S CATALOG NUMBER		EC5-093-2
NO. OF PLATES		93
SURFACE AREA (S.F.)		367.3
HOT SIDE	MEDIA	WATER (CCW)
	GPM	130
	EWT/LWT (°F)	97/87
	P.D. (PSIG)	10.17
COLD SIDE	MEDIA	WATER (CW)
	GPM	130
	EWT/LWT (F)	85/95
	P.D. (PSIG)	10.24
WORKING PRESSURE RATING		150 PSI
OPERATING WEIGHT - LBS		1710

SPLIT SYSTEM WATER COOLED AC UNITS

UNIT TAG		AC-3,4
MANUFACTURER'S MODEL NUMBER	EVAPORATOR UNIT CONDENSING UNIT	LEIBERT MME036E LEIBERT MMC038W
TOTAL COOLING CAPACITY - BTUH		33,600
SENSIBLE COOLING CAPACITY - BTUH		28,000
CONDENSING TEMPERATURE -°F		113.0
SUCTION TEMPERATURE - °F		45.2
COMPRESSOR NO./HP EA		2/2
REFRIGERANT TYPE		R-22
AIR ON COIL - °FDB / °FWB		72/50
AIR OFF COIL - °FDB / °FWB		52.4/52.2
CFM / EXTERNAL S.P.		1250/0.5"
COIL - S.F. / ROWS		2.6/4
WATER ⊥ IN °F / OUT °F		87/97
WATER FLOW - GPM		8.8
UNIT PRESSURE DROP		5.1
CONTROL VALVE -NO. / TYPE		1/3W
FAN MOTOR - H.P. / RPM / UNIT VOLTAGE / ø		0.5/ /208/1ø
FULL LOAD AMPS. - CONDENSING UNIT		12.5
FULL LOAD AMPS. - EVAPORATOR UNIT		27.6
UNIT VOLTAGE / ø (CONDENSING UNIT)		208/3ø
NUMBER OF UNITS REQUIRED		2

WATER COOLED COMPUTER ROOM AC UNITS

UNIT TAG	AC-1,2
MANUFACTURER'S MODEL NUMBER	LEIBERT FH127W
TOTAL COOLING CAPACITY - BTUH	116,400
SENSIBLE COOLING CAPACITY - BTUH	91,500
CONDENSING TEMPERATURE -°F	105
SUCTION TEMPERATURE - °F	39.5
COMPRESSOR NO./HP EA	2/3
REFRIGERANT TYPE	R-22
AIR ON COIL - °FDB / °FWB	72/60
AIR OFF COIL - °FDB / °FWB	53.9/53
CFM / EXTERNAL S.P.	4650/0.5"
COIL - S.F. / ROWS	14.2/3
WATER - IN °F / OUT °F	87/96
WATER FLOW - GPM	35.2
UNIT PRESSURE DROP-(INCL. CONTROL VALVE)PSIG	8.4
CONTROL VALVE -NO. / TYPE	1/3W
FAN MOTOR - H.P. / RPM	1.5/1800
FILTERS S.F./THICKNESS-INCH/EFFICENCY-%	87/4/30
UNIT VOLTAGE / ø	460/3
NUMBER OF UNITS REQUIRED	2

PUMP SCHEDULE

PUMP TAG	CATALOG MFR. NUMBER	SERVICE	CAPACITY GPM	CAPACITY HEAD-FT. WATER	EFF.-%	BHP	MOTOR HP	MOTOR RPM	MOTOR VOLT	MOTOR ø	MOTOR VFD DRIVEN
P-1	PACO LF4012-7	CH-1 PRIMARY	640	30	79	6.5	7.5	1150	480	3	
P-2	PACO LF4012-7	CH-2 PRIMARY	640	30	79	6.5	7.5	1150	480	3	
P-3	PACO LF4012-7	STANDBY FOR P-1,2	640	30	79	6.5	7.5	1150	480	3	
P-4		FUTURE CH-3									
P-5		FUTURE CH-3									
P-6	PACO LF2012-1	HX-1 TO CCW	150	80	69	4.2	7.5	1750	480	3	
P-7	PACO LF2012-1	STANDBY FOR P-6	150	80	69	4.2	7.5	1750	480	3	
P-8	PACO LF2512-3	CW TO HX-1	150	40	66	2.2	3	1150	480	3	
P-9	PACO LF2512-3	STANDBY FOR P-9	150	40	66	2.2	3	1150	480	3	
P-10	PACO LF6012-3	CH-1 COND. WATER	1200	40	86	14	20	1150	480	3	
P-11	PACO LF6012-3	CH-2 COND. WATER	1200	40	86	14	20	1150	480	3	
P-12	PACO LF6012-3	STANDBY FOR P-9,10	1200	40	86	14	20	1150	480	3	
P-13		FUTURE COND. WATER									
P-14		FUTURE COND. WATER									
P-15	PACO LF3012-1	B-1	320	80	66	9	15	1750	480	3	•
P-16	PACO LF3012-1	B-2	320	80	66	9	15	1750	480	3	•
P-17		FUTURE B-3									•

FAN SCHEDULE

FAN TAG	MFR. CATALOG NUMBER	SERVICE	FAN CAPACITY CFM	Q.V. FPM	RPM	S.P.-"W.G.	BHP	WHEEL SIZE	MOTOR H.P.	MOTOR RPM	MOTOR VOLT	MOTOR ø
S-1	TWIN CITY 730 BAF-PF	SUPPLY AIR	80,000	-	573	4.5	86	73	100 (1)	1750	480	3
S-2	TWIN CITY 730 BAF-PF	SUPPLY AIR	80,000	-	573	4.5	86	73	100 (1)	1750	480	3
E-1(2)(3)	TWIN CITY 600 SWSI BC	FUME EXH.	45,000	2174	535	3.5	34.5	60	40	1750	480	3
E-2(3)	TWIN CITY 600 SWSI BC	FUME EXH.	45,000	2174	535	3.5	34.5	60	40	1750	480	3
E-3(2)(3)	TWIN CITY 600 SWSI BC	FUME. EXH.	45,000	2174	535	3.5	34.5	60	40	1750	480	3
E-4(2)	TWIN CITY 365 SWSI BAF	ADMIN. EXH.	10,000	1305	578	1.5	3.5	36.5	5	1750	480	3
E-5	PENN BC30WZ	CHILLER RM. EXHAUST	4150	-	860	0.375	1.55	15	2.0	1750	120	1
E-6	PENN ZC15	BOILER RM. EXHAUST	4350	-	716	0.75	1.55	15	2.0	1750	480	3
E-7(2)(4)	GREENHECK SQ-95-D	FLAMMABLE STORAGE EXHAUST	380	-	1550	0.5	-	8.25	0.13	1550	120	1
E-8(2)(4)	GREENHECK SQ-80-D	FLAMMABLE WASTE EXHAUST	170	-	1550	0.5	-	7.00	0.07	1550	120	1
E-9(2)	PENN VENT WX082	HAZARDOUS WASTE EXHAUST	380	-	1750	0.25	-	8.25	0.08	1750	120	1
E-10(2)	PENN VENT WXT94	CYLINDER STORAGE EXHAUST	270	-	1140	0.25	-	9.75	0.08	1140	120	1
E-11(2)(4)	TWIN CITY 300 SWSI BC	FUME EXHAUST SOLUTIONS LAB(H-7)	8875	1717	1020	3.5	6.5	30	7.5	1750	480	3

(1) SEE SPECIFICATION AND ELECTRICAL DWGS FOR SPECIAL STARTING REQUIREMENTS.
(2) FAN SHALL BE ON EMERGENCY POWER.
(3) TYPE "B" NON-SPARKING FAN.
(4) TYPE "A" NON-SPARKING FAN.

COIL SCHEDULE

COIL BANK TAG	TOTAL CFM	SIZE PER COIL (NO.)W" X H"	TOTAL AREA SQ. FT.	FACE VEL. FPM	ROWS-FINS PER FT	TOTAL GPM	WATER TEMP °F EWT	WATER TEMP °F LWT	AIR TEMP °F EDB-EWB	AIR TEMP °F LDB-LWB	AIR P.D. "W.G.	WATER P.D. FT.	CONTROL VALVE TYPE-Cv
CC-1	80,000	(8)102x30	170	470	6-130	640	44	58.7	101/70	51.0/50.8	0.79	11.9	-
CC-2	80,000	(8)102x30	170	470	6-130	640	44	58.7	101/70	51.0/50.8	0.79	11.9	-
HC-1	80,000	(8) 96X30	160	500	1-86	120	180	139.5	38/-	66/-	0.07	0.07	3W-60
HC-2	80,000	(8) 96X30	160	500	1-86	120	180	139.5	38/-	66/-	0.07	0.07	2W-60

HOT WATER BOILER SCHEDULE

BOILER TAG	MFR. CATALOG NUMBER	SERVICE	FUEL	FUEL SUPPLY PRESSURE	INPUT MBH	OUTPUT MBH	WATER FLOW GPM	WATER TEMP °F EWT	WATER TEMP °F LWT	MAX NOx PPM	ASME RATING PSIG	RELIEF VALVE PSIG	BURNER HP.	BURNER V/ø
B-1	RV 700W FDG FGR	HEATING HOT WATER	NAT GAS	3 PSIG	7,000	5,600	320	145	180	30	125	100	5	480/3
B-2	RV 700W FDG FGR	HEATING HOT WATER	NAT GAS	3 PSIG	7,000	5,600	320	145	180	30	125	100	5	480/3
B-3		FUTURE												

FILTER SCHEDULE

FILTER BANK	SYSTEM	FILTER BANK SIZE WxH	NUMBER OF FILTERS	CFM	FACE VELOCITY FPM	S.P. "W.G. (CLEAN)	FILTER SIZE W"XH"XD"	EFF. %	MEDIA AREA S.F.	REMARKS
F-1A	S-1,2	18 X 6	108	160,000	370	0.20	24X24X2	30	12.3 EA	PREFILTERS ECO-AIR-35
F-1B	S-1,2	18 X 6	108	160,000	370	0.50	24X24X22	95	56 EA	CAMBRIDGE 8-95A22

SOUNDTRAP SCHEDULE

SOUND TRAP TAG	FAN SYSTEM	CFM	OVERALL SIZE-W"XH"	LENGTH FT.	NO. OF UNITS	SIZE PER UNIT W"XH"	FACE VELOCITY FPM	S.P. "W.G.	REMARKS
ST-1	E-1	45,000	108 X 72	5	6	36 X 36	833	0.28	IAC 5HS
ST-2	E-2	45,000	108 X 72	5	6	36 X 36	833	0.28	IAC 5HS
ST-3	E-3	45,000	108 X 72	5	6	36 X 36	1,035	0.07	IAC 5HS
ST-4	E-4	10,000	45 X 30	5	1	45 X 30	1067	0.13	IAC 5MS
ST-5	S-1,2	160,000	144 X 144	3	9	48 X 48	1,111	0.25	IAC 3LFM
2 ST-6	E-11	8875	96x48	5	1	96x48	740	0.22	IAC 5HS

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Revisions

No.		Date
1	BULLETIN NO. 2	
2		

Regional Reference Laboratory
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Southern California Region

SCHEDULES

Scale: NONE 000762

Project No. 19210.01

Date 24 JAN 1992

B2 BULLETIN

Drawing No. M0.2

04:05:43 PM

4561; 4-5-91; M0_2; ENR/AB, SY

HHW REHEAT COIL SCHEDULE

COIL TAG	CFM	COIL SIZE W" X H"	FACE VEL. FPM	ROWS-FINS PER FT	MINIMUM REQUIRED MBH (1)	TOTAL GPM	WATER TEMP °F EWT	WATER TEMP °F LWT	AIR TEMP °F EDB	AIR TEMP °F LDB	AIR P.D. "W.G.	WATER P.D. FT.	CONTROL VALVE TYPE-Cv	NOTES
1	450	12x9	600	2-80	9.8	0.8	180	140.0	55	88.6	0.17	0.3	2W-0.40	
2	1,150	16x15	690	1-110	25.0	1.5	180	140.0	55	78.8	0.15	0.6	2W-0.75	
3	180	8x8	540	2-80	3.9	0.5	180	140.0	55	81.1	0.14	0.1	2W-0.25	
4	1,440	20x15	691	1-110	31.3	1.9	180	140.0	55	79.8	0.15	1.1	2W-0.95	
5	2,280	28x18	651	1-85	49.5	2.5	180	140.0	55	75.0	0.11	0.7	2W-1.25	
6	1,440	20x15	691	1-110	31.3	1.9	180	140.0	55	79.8	0.15	1.1	2W-0.95	
7	1,520	20x15	730	1-110	32.0	2.0	180	140.0	55	79.1	0.17	1.2	2W-1.00	
8	240	10x6	578	2-80	5.2	0.5	180	140.0	55	83.3	0.15	0.1	2W-0.25	
9	400	12x9	533	1-110	8.7	0.6	180	140.0	55	77.6	0.14	0.1	2W-0.30	
10	130	6x6	520	2-80	2.8	0.5	180	150.0	55	84.1	0.13	0.1	2W-0.25	
11	810	18x12	540	1-110	17.6	1.1	180	140.0	55	79.2	0.12	0.3	3W-0.55	
12	115	6x6	460	2-80	2.5	0.5	180	150.0	55	85.8	0.10	0.1	2W-0.25	
13	400	12x9	533	1-110	8.7	0.6	180	140.0	55	77.6	0.14	0.1	2W-0.30	
14	240	10x6	576	2-80	5.2	0.5	180	140.0	55	83.3	0.15	0.1	2W-0.25	
15	1,400	18x15	747	1-110	30.4	1.8	180	140.0	55	78.4	0.17	0.9	2W-0.90	
16	630	12x12	830	1-110	13.7	0.8	180	140.0	55	78.7	0.19	0.2	2W-0.40	
17	2,000	20x18	800	1-110	43.4	2.8	180	140.0	55	78.6	0.20	2.1	2W-1.30	
18	100	6x6	400	2-80	2.2	0.5	180	150.0	55	87.8	0.08	0.1	2W-0.25	
19	400	12x9	533	1-110	8.7	0.6	180	140.0	55	77.6	0.14	0.1	2W-0.30	
20	960	18x12	640	1-110	20.9	1.3	180	140.0	55	79.2	0.13	0.4	2W-0.65	
21	400	12x9	533	1-110	8.7	0.6	180	140.0	55	77.6	0.14	0.1	2W-0.30	
22	400	12x9	533	1-110	9.7	0.6	180	140.0	55	77.6	0.14	0.1	2W-0.30	
23	150	6x6	600	2-80	3.3	0.5	180	150.0	55	82.1	0.17	0.1	2W-0.25	
24	1,380	18x15	736	1-110	30.0	1.8	180	140.0	55	78.6	0.17	0.9	2W-0.90	
25	100	6x6	400	2-80	2.2	0.5	180	150.0	55	87.8	0.08	0.1	2W-0.25	
26	1,380	18x15	736	1-110	30.0	1.8	180	140.0	55	78.6	0.17	0.9	2W-0.90	
27	1,530	20x15	734	1-110	33.2	2.0	180	140.0	55	79.1	0.17	1.2	3W-1.00	
28	300	10x9	480	2-80	7.4	0.6	180	140.0	55	90.4	0.11	0.2	2W-0.30	
29	300	10x9	480	2-80	7.4	0.6	180	140.0	55	90.4	0.11	0.2	3W-0.30	
30	150	8x6	450	2-80	4.0	0.5	180	150.0	55	95.0	0.17	0.1	2W-0.25	
31	400	12x9	533	1-110	8.7	0.6	180	140.0	55	77.6	0.14	0.1	3W-0.30	
32	475	12x9	633	2-80	10.3	0.8	180	140.0	55	87.7	0.18	0.3	2W-0.40	
33	1,200	18x15	640	1-80	26.1	1.5	180	140.0	55	77.3	0.18	0.6	2W-0.75	
34	2,925	32x18	731	1-104	63.5	3.5	180	140.0	55	77.0	0.18	1.3	2W-1.75	
35	3,000	36x18	665	1-82	65.1	3.3	180	140.0	55	75.0	0.12	1.2	2W-1.65	

SINGLE DUCT VAV TERMINAL SCHEDULE

TERMINAL TAG	CFM MAXIMUM	CFM MINIMUM	MIN. S.P. IN "W.G.	MFR. CAT. NO.	REMARKS
VAV-1	4000	3000	0.38	16	VAV BOX W/RHC-35
VAV-2	4000	600	0.38	16	

HHW REHEAT COIL SCHEDULE

COIL TAG	CFM	COIL SIZE W" X H"	FACE VEL. FPM	ROWS-FINS PER FT	MINIMUM REQUIRED MBH (1)	TOTAL GPM	WATER TEMP °F EWT	WATER TEMP °F LWT	AIR TEMP °F EDB	AIR TEMP °F LDB	AIR P.D. "W.G.	WATER P.D. FT.	CONTROL VALVE TYPE-Cv	NOTES
101	640	12x12	640	2-80	17.2	1.3	180	140.0	55	92.8	0.14	0.7	2W-0.65	
102	3,300	32x18	825	1-94	71.6	3.8	180	140.0	55	75.0	0.19	1.3	2W-1.80	
103	230	10x6	552	2-80	5.0	0.5	180	140.0	55	83.9	0.14	0.1	2W-0.25	
104	3,300	32x18	825	1-94	71.6	3.6	180	140.0	55	75.0	0.19	1.3	2W-1.80	
105	3,300	32x18	825	1-94	71.8	3.8	180	140.0	55	75.0	0.19	1.3	2W-1.80	
106	1,900	20x15	912	1-110	41.2	2.2	180	140.0	55	76.4	0.25	1.4	2W-1.10	
107	1,200	18x15	640	1-80	28.1	1.5	180	140.0	55	77.3	0.18	0.6	2W-0.75	
108	1,200	18x15	640	1-80	26.1	1.5	180	140.0	55	77.3	0.18	0.6	2W-0.75	
109	900	18x12	675	1-110	19.5	1.1	180	140.0	55	77.9	0.12	0.3	2W-0.55	
110	2,300	28x18	657	1-85	49.9	2.5	180	140.0	55	75.0	0.12	0.7	2W-1.25	
111	2,300	28x18	857	1-85	49.9	2.5	180	140.0	55	75.0	0.12	0.7	2W-1.25	
112	2,100	22x18	764	1-99	45.6	2.3	180	140.0	55	75.0	0.17	0.53	2W-1.15	
113	1,200	20x15	576	1-110	30.2	1.8	180	140.0	55	82.2	0.11	1.0	3W-0.90	
114	2,200	28x18	629	1-110	60.8	3.0	180	140.0	55	80.5	0.13	1.0	2W-1.50	
115	900	18x12	600	2-80	23.3	1.8	180	140.0	55	92.5	0.17	1.5	2W-0.90	
116	180	8x8	540	2-80	3.9	0.5	180	140.0	55	81.1	0.14	0.1	2W-0.25	
117	320	10x9	512	2-80	7.0	0.6	180	140.0	55	89.4	0.13	0.2	2W-0.30	
118	1,200	18x15	640	1-80	26.1	1.5	180	140.0	55	77.3	0.18	0.8	2W-0.75	
119	90	6x6	360	2-80	2.0	0.5	180	150.0	55	89.2	0.07	0.1	2W-0.25	
120	290	10x9	464	2-80	8.3	0.6	180	140.0	55	90.9	0.11	0.2	2W-0.30	
121	2,200	28x18	629	1-110	60.8	3.0	180	140.0	55	80.5	0.13	1.0	2W-1.50	
122	3,300	32x18	825	1-94	71.8	3.8	180	140.0	55	75.0	0.19	1.3	2W-1.80	
123	3,300	32x18	825	1-94	71.6	3.8	180	140.0	55	75.0	0.19	1.3	2W-1.80	
124	3,300	32x18	825	1-94	71.6	3.6	180	140.0	55	75.0	0.19	1.3	2W-1.80	
125	1,900	20x15	912	1-110	41.2	2.2	180	140.0	55	76.4	0.25	1.4	2W-1.10	
126	1,900	20x15	912	1-110	41.2	2.2	180	140.0	55	76.4	0.25	1.4	2W-1.10	
127	1,900	20x15	912	1-110	41.2	2.2	180	140.0	55	76.4	0.25	1.4	2W-1.10	
128	1,900	20x15	912	1-110	41.2	2.2	180	140.0	55	76.4	0.25	1.4	2W-1.10	
129	1,900	20x15	912	1-110	41.2	2.2	180	140.0	55	76.4	0.25	1.4	2W-1.10	
130	2,400	28x18	688	1-80	52.1	2.8	180	140.0	55	76.5	0.20	0.8	2W-1.40	
131	1,900	20x15	912	1-110	41.2	2.2	180	140.0	55	76.4	0.25	1.4	2W-1.10	
132	1,080	18x15	578	1-110	26.4	1.6	180	140.0	55	81.7	0.11	0.7	3W-0.80	
133	1,660	20x18	664	2-80	44.3	3.2	180	140.0	55	90.1	0.20	1.4	2W-1.60	
134	200	10x6	480	2-80	4.4	0.5	180	140.0	55	85.7	0.11	0.1	2W-0.25	
135	2,700	28x18	771	1-93	58.6	2.9	180	140.0	55	75.0	0.17	0.9	2W-1.45	
136	340	10x9	544	2-80	7.4	0.8	180	140.0	55	88.5	0.14	0.2	2W-0.30	
137	160	8x6	480	2-80	3.5	0.5	180	140.0	55	82.5	0.11	0.1	2W-0.25	
138	350	10x9	560	2-80	7.6	0.8	180	140.0	55	88.1	0.15	0.2	2W-0.30	
139	1,350	18x15	720	1-110	33.2	1.7	180	140.0	55	78.8	0.16	0.9	3W-0.85	
140	3,300	32x18	825	1-94	71.6	3.6	180	140.0	55	75.0	0.19	1.3	2W-1.80	
141	3,300	33x18	800	1-94	71.6	3.8	180	140.0	55	75.0	0.19	1.3	2W-1.80	
142	1,900	20x15	912	1-110	41.2	2.2	180	140.0	55	76.4	0.25	1.4	2W-1.10	
143	750	12x12	750	1-110	18.3	0.9	180	140.0	55	77.8	0.13	0.2	2W-0.45	
144	475	12x9	633	2-80	10.3	0.8	180	140.0	55	87.7	0.18	0.3	2W-0.40	
145	1,900	20x15	912	1-110	41.2	2.2	180	140.0	55	76.4	0.25	1.4	2W-1.10	
146	480	12x9	640	2-80	10.4	0.8	180	140.0	55	87.6	0.19	0.3	2W-0.40	
147	1,900	20x15	912	1-110	41.2	2.2	180	140.0	55	76.4	0.25	1.4	2W-1.10	
148	710	14x12	609	1-110	15.4	0.9	180	140.0	55	78.2	0.12	0.2	2W-0.45	
149	950	18x12	633	1-110	20.8	1.3	180	140.0	55	79.4	0.13	0.4	2W-0.65	
150	1,900	20x15	912	1-110	41.2	2.2	180	140.0	55	76.4	0.25	1.4	2W-1.10	
151	2,450	28x18	700	1-80	53.2	2.8	180	140.0	55	76.3	0.21	0.9	2W-1.40	
152	1,900	20x15	912	1-110	41.2	2.2	180	140.0	55	76.4	0.25	1.4	2W-1.10	
153	700	14x12	600	1-110	15.2	0.9	180	140.0	55	78.4	0.12	0.2	2W-0.45	
154	640	12x12	640	1-110	15.2	0.8	180	140.0	55	78.5	0.19	0.2	2W-0.40	
155	270	10x6	648	2-80	8.6	0.5	180	140.0	55	81.8	0.19	0.1	2W-0.25	
156	420	12x9	560	2-80	10.3	0.8	180	140.0	55	89.7	0.15	0.3	3W-0.40	
157	350	10x9	560	2-80	7.6	0.6	180	140.0	55	88.1	0.15	0.2	2W-0.30	
158	1,400	18x18	822	2-80	36.6	2.7	180	140.0	55	90.7	0.18	1.0	2W-1.35	
159	540	12x12	540	2-80	12.3	1.1	180	140.0	55	92.1	0.14	0.5	2W-0.55	
160	1,300	18x15	693	1-110	28.2	1.7	180	140.0	55	79.3	0.15	0.8	2W-0.85	
161	240	10x8	576	2-80	5.2	0.5	180	140.0	55	83.3	0.15	0.1	2W-0.25	
162	1,200	18x15	840	1-110	28.8	1.8	180	140.0	55	82.2	0.11	1.0	3W-0.90	
163	1,750	22x18	636	2-80	44.2	3.4	180	140.0	55	97.3	0.18	1.6	2W-1.70	

HHW REHEAT COIL SCHEDULE

COIL TAG	CFM	COIL SIZE W" X H"	FACE VEL. FPM	ROWS-FINS PER FT	MINIMUM REQUIRED MBH (1)	TOTAL GPM	WATER TEMP °F EWT	WATER TEMP °F LWT	AIR TEMP °F EDB	AIR TEMP °F LDB	AIR P.D. "W.G.	WATER P.D. FT.	CONTROL VALVE TYPE-Cv	NOTES
201	780	18x12	585	2-80	19.8	1.6	180	140.0	55	92.4	0.18	1.1	2W-0.80	
202	440	12x9	587	2-80	10.2	0.8	180	140.0	55	88.9	0.16	0.3	2W-0.40	
203	3,300	32x18	825	1-94	73.2	3.6	180	140.0	55	75.0	0.19	1.3	2W-1.80	
204	3,300	32x18	825	1-94	73.2	3.6	180	140.0	55	75.0	0.19	1.3	2W-1.80	
205	3,300	32x18	825	1-94	73.2	3.8	180	140.0	55	75.0	0.19	1.3	2W-1.80	
206	3,300	32x18	825	1-94	73.2	3.6	180	140.0	55	75.0	0.19	1.3	2W-1.80	
207	3,300	32x18	825	1-94	73.2	3.8	180	140.0	55	75.0	0.19	1.3	2W-1.80	
208	3,300	32x18	825	1-94	73.2	3.8	180	140.0	55	75.0	0.19	1.3	2W-1.80	
209	3,300	32x18	825	1-94	73.2	3.8	180	140.0	55	75.0	0.19	1.3	2W-1.80	
210	1,200	18x15	640	1-80	29.6	1.5	180	140.0	55	77.3	0.18	0.6	3W-0.75	
211	2,200	28x18	829	1-110	60.8	3.0	180	140.0	55	80.5	0.13	1.0	2W-1.50	
212	220	10x6	528	2-80	5.2	0.5	180	140.0	55	84.5	0.13	0.1	2W-0.25	
213	830	12x12	830	1-110	14.8	0.8	180	140.0	55	78.7	0.19	0.2	2W-0.40	
214	90	6x6	360	2-80	2.2	0.5	180	150.0	55	89.2	0.07	0.1	2W-0.25	
215	300	10x9	480	2-80	7.1	0.6	180	140.0	55	90.4	0.11	0.2	2W-0.30	
216	300	10x9	480	2-80	7.0	0.6	180	140.0	55	90.4	0.11	0.2	2W-0.30	
217	1,600	20x18	640	2-80	40.4	3.1	180	140.0	55	90.7	0.19	1.3	2W-1.55	
218	2,200	28x18	629	1-110	60.8	3.0	180	140.0	55	80.5	0.13	1.0	2W-1.50	
219	3,300	32x18	825	1-94	73.2	3.8	180	140.0	55	75.0	0.19	1.3	2W-1.80	
220	3,300	32x18	825	1-94	73.3	3.6	180	140.0	55	75.0	0.19	1.3	2W-1.80	
221	3,300	32x18	825	1-94	73.3	3.6	180	140.0	55	75.0	0.19	1.3	2W-1.80	
222	3,300	32x18	825	1-94	73.3	3.6	180	140.0	55	75.0	0.19	1.3	2W-1.80	
223	3,300	32x18	825	1-94	73.4	3.6	180	140.0	55	75.0	0.19	1.3	2W-1.80	
224	3,300	32x18	825	1-94	73.3	3.6	180	140.0	55	75.0	0.19	1.3	2W-1.80	
225	3,300	32x18	825	1-94	73.4	3.6	180	140.0	55	75.0	0.19	1.3	2W-1.80	
226	1,080	18x15	576	1-110	27.8	1.6	180	140.0	55	81.7	0.11	0.7	3W-0.80	
227	520	12x12	520	1-110	12.3	0.7	180	140.0	55	78.9	0.09	0.2	2W-0.35	
228	1,200	18x15	640	1-80	26.6	1.5	180	140.0	55	77.3	0.18	0.6	2W-0.75	
229	230	10x6	552	2-80	5.4	0.5	180	140.0	55	83.9	0.14	0.1	2W-0.25	
230	510	12x12	510	1-110	12.0	0.7	180	140.0	55	79.1	0.09	0.2	2W-0.35	
231	140	6x6	560	2-80	3.4	0.5	180	150.0	55	83.1	0.15	0.1	2W-0.25	
232	1,660	20x18	664	2-80	44.3	3.2	180	140.0	55	90.1	0.20	1.4	2W-1.60	
233	3,300	32x18	825	1-94	73.3	3.6	180	140.0	55	75.0	0.19	1.3	2W-1.80	
234	1,900	20x15	912	1-110	42.1	2.2	180	140.0	55	78.4	0.25	1.4	2W-1.10	
235	1,900	20x15	912	1-110	42.1	2.2	180	140.0	55	76.4	0.25	1.4	2W-1.10	
236	1,900	20x15	912	1-110	42.1	2.2	180	140.0	55	76.4	0.25	1.4	2W-1.10	
237	1,900	20x15	912	1-110	42.1	2.2	180	140.0	55	76.4	0.25	1.4	2W-1.10	
238	3,300	32x18	825	1-94	73.1	3.6	180	140.0	55	75.0	0.19	1.3	2W-1.80	
239	1,900	20x15	912	1-110	42.1	2.2	180	140.0	55	78.4	0.25	1.4	2W-1.10	
240	1,900	20x15	912	1-110	42.1	2.2	180	140.0	55	76.4	0.25	1.4	2W-1.10	
241	1,900	20x15	912	1-110	42.1	2.2	180	140.0	55	76.4	0.25	1.4	2W-1.10	
242	110	6x6	440	2-80	2.6	0.5	180	150.0	55	86.4	0.10	0.1	2W-0.25	
243	1300	18x15	693	1-110	28.7	1.7	180	140.0	55	79.3	0.15	0.8	2W-0.85	1
244	1,900	20x15	912	1-110	42.1	2.2	180	140.0	55	76.4	0.25	1.4	2W-1.10	
245	1,425	18x18	633	2-80	36.4	2.7	180	140.0	55	90.4	0.18	1.0	3W-1.35	
246	640	12x12	640	2-80	16.2	1.3	180	140.0	55	92.8	0.14	0.7	2W-0.65	
247	200	10x6	480	2-80	5.1	0.5	180	140.0	55	85.7	0.11	0.1	2W-0.25	
248	175	8x6	525	2-80	4.4	0.5	180	140.0	55	81.4	0.13	0.1	2W-0.25	
249	290	10x9	464	2-80	9.0	0.6	180	140.0	55	90.9	0.11	0.2	3W-0.30	
250	115	6x6	480	2-80	2.7	0.5	180	150.0	55	85.8	0.10	0.1	2W-0.25	
251	360	10x9	576	2-80	9.7	0.6	180	140.0	55	87.6	0.15	0.2	2W-0.30	
252	1,500	18x18	687	1-110	36.0	2.1	180	140.0	55	80.5	0.14	1.4	3W-1.05	
253	240	10x6	578	2-80	5.7	0.5	180	140.0	55	83.3	0.15	0.1	2W-0.25	
254	340	10x9	544	2-80	7.9	0.6	180	140.0	55	88.5	0.14	0.2	2W-0.30	
255	660	14x12	566	1-110	16.5	0.9	180	140.0	55	79.1	0.11	0.2	3W-0.45	
256	250	10x6	600	2-80	6.2	0.5	180	140.0	55	82.8	0.17	0.1	2W-0.25	
257	330	10x9	528	2-80	8.3	0.6	180	140.0	55	88.9	0.13	0.2	2W-0.30	
258	450	12x9	600	2-80	12.3	0.8	180	140.0	55	88.8	0.17	0.3	2W-0.40	
259	680	14x12	583	1-110	16.8	0.9	180	140.0	55	78.7	0.11	0.2	2W-0.45	
260	950	18x12	633	1-110	20.8	1.3	180	140.0	55	79.4	0.13	0.4	2W-0.65	
261	950	18x12	633	1-110	20.8	1.3	180	140.0	55	79.4	0.13	0.4	2W-0.65	1

NOTE: 1. MINIMUM REQUIRED MBH IS THE MINIMUM CAPACITY WHICH THE COIL MUST BE ABLE TO PROVIDE. COILS WERE SELECTED TO MEET THE MINIMUM CAPACITY REQUIREMENTS. COILS ARE NOT REQUIRED TO PROVIDE MORE THAN THE MINIMUM CAPACITY. MINIMUM MBH MUST BE MET AT NO MORE THAN THE AIR AND WATER PRESSURE DROP SHOWN.

SMP

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Laboratory Mechanical Engineer

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Revisions

No.		Date
1	BULLETIN NO. 2 - [illegible]	

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Sherman Way at Lankershim Boulevard
North Hollywood-Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

SCHEDULES

Scale: NONE

-000763

Project No. 19210.01

Date 24 JAN 1992

B2 BULLETIN

Drawing No. MO.3

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4581; 8-26-91; MO_3; EMR

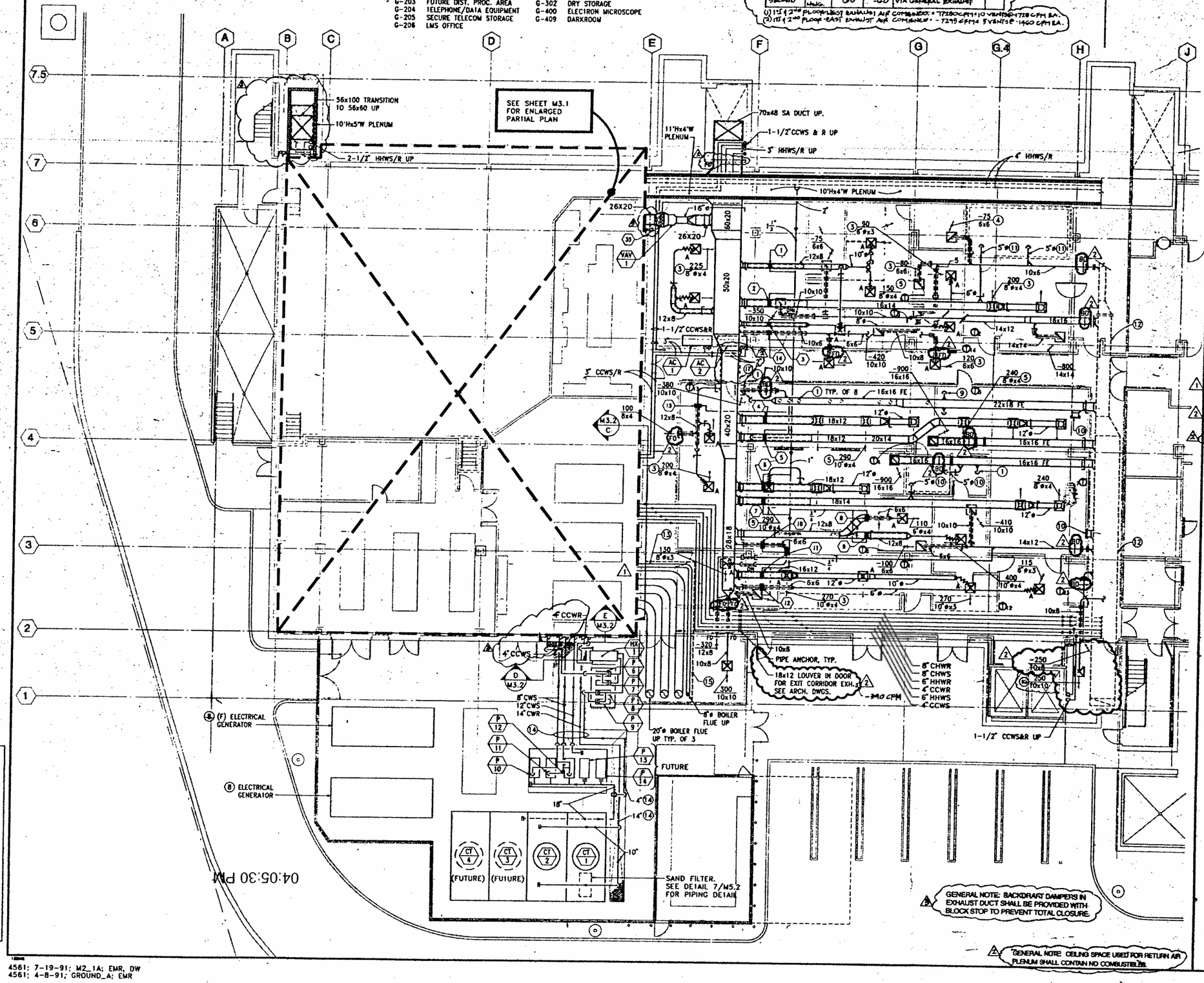
ROOM NAMES AND NUMBERS

G-002	RECEIVING LOBBY	G-207	STORAGE
G-002	ELEVATOR MACHINE ROOM	G-208	OFFICE
G-003	VESTIBULE	G-209	OFFICE
G-006	EAST CROSS CORRIDOR	G-210	COLDROOM
G-007	WEST CROSS CORRIDOR	G-211	MEDIA LAB
G-100	PLUMBING EQUIPMENT	G-212	GLASSWARE
G-101	AIR HANDLING ROOM	G-213	OFFICE
G-102*	ELECTRICAL SWITCHGEAR	G-214	COLDROOM
G-103	BOILERS	G-215	POUR-OFF
G-104	CHILLER ROOM	G-216	SEPARATION
G-104	MECHANICAL DUCT GALLERY	G-217	OUTSIDE LAB
G-201	WATER TREATMENT ROOM	G-218	OFFICE
G-202	BUILDING ENGINEER	G-301	OFFICE
G-203	FUTURE DIST. PROC. AREA	G-302	DRY STORAGE
G-204	TELEPHONE/DATA EQUIPMENT	G-400	ELECTRON MICROSCOPE
G-205	SECURE TELECOM STORAGE	G-409	DARKROOM
G-206	LMS OFFICE		

CORRIDOR SUPPLY/EXHAUST AIR QUANTITIES

FLOOR	CORRIDOR LOCATION	SUPPLY CFM	EXHAUST CFM	EXHAUST DESCRIPTION	NOTES
GROUND	WEST	390	-390	VIA LOUVERED DOOR	
GROUND	EAST	400	-400	" " "	
FIRST	WEST	8220	-8220	VIA ROOF GRAVITY VENTS	(1)
FIRST	EAST	4210	-4210	" " " "	(2)
SECOND	WEST	7060	-7060	" " " "	(1)
SECOND	EAST	3089	-3089	" " " "	(2)
SECOND	ADMIN. WING	60	-60	VIA GENERAL EXHAUST	

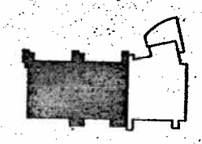
(1) 1 EA @ 2ND FLOOR-WEST EXHAUST AIR COMBINED = 17280 CFM 10 VENTS @ 1728 CFM EA.
(2) 1 EA @ 2ND FLOOR-EAST EXHAUST AIR COMBINED = 7295 CFM 5 VENTS @ 1460 CFM EA.



GENERAL NOTE: BACKDRAFT DAMPERS IN EXHAUST DUCT SHALL BE PROVIDED WITH BLOCK STOP TO PREVENT TOTAL CLOSURE.

GENERAL NOTE: CEILING SPACE USED FOR RETURN AIR PLENUM SHALL CONTAIN NO COMBUSTIBLES.

KEY PLAN



SHEET NOTES

1. 8"ø F.E. DUCT WITH VOLUME DAMPER DN, TRANSITION TO 6"ø F.E. DUCT WITH FLANGED STUB BELOW CEILING.CONNECT TO 6' WALK-IN HOOD PROVIDED BY OTHERS. -150 CFM.
2. 8"ø F.E. DUCT WITH VOLUME DAMPER DN, TRANSITION TO 6"ø F.E. DUCT WITH FLANGED STUB BELOW CEILING. CONNECT TO POUROFF STATION PROVIDED BY OTHERS. -170 CFM.
3. TYPICAL OF 2.
4. PROVIDE VOLUME DAMPER IN DUCT.
5. TYPICAL OF 3.2
6. 8"ø F.E. DUCT WITH VOLUME DAMPER DN TO CANOPY HOOD. CONNECT TO HOOD PROVIDED BY OTHERS. -200 CFM.
7. TYPICAL OF 4.
8. SEE ELECTRICAL DRAWINGS.
9. (2) - 10"ø F.E. DUCTS DN, TRANSITION TO (2)-8"ø F.E. DUCT WITH VOLUME DAMPERS DN. PROVIDE FLANGED STUBS BELOW CEILING. CONNECT TO 8" BSC PROVIDE BY OTHERS. -640 CFM TOTAL.
10. 16 X 16 EXHAUST DUCT CAPPED AIRTIGHT FOR FUTURE CONNECTION TO EXHAUST AIR GRILLE.
11. COLD ROOM VENTILATION AIR, 50CFM. COORDINATE POINT OF CONNECTION WITH LAB EQUIP. CONTRACTOR.
12. SEE SHEET M2.1B FOR EXHAUST AIR MAIN.
13. BOILER FLUES LOCATED IN FIRE RATED DUCT ENCLOSURE.
14. PIPE LOCATED IN TRENCH.
15. SEE ARCH. DRAWINGS, SHEET A3.01, FOR FIRE RATED DUCT ENCLOSURE
16. PROVIDE FIRE RATED CEILING DIFFUSER.
17. DUCT IN FIRE RATED DUCT ENCLOSURE. SEE ARCH. DWGS.

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Tech. Coord. Checked Tech. Arch.

RUTHERFORD & CHEKENE
Civil Engineer
Structural Engineer

GAYNER ENGINEERS
Mechanical Engineer
Electrical Engineer

REGISTERED PROFESSIONAL ENGINEER No. 14,886 MECHANICAL STATE OF CALIFORNIA

KELLER MITCHELL CARONNA
Landscape Architect

EARL WALLS ASSOCIATES
Laboratory Engineer
Laboratory Mechanical Engineer
Laboratory Electrical Engineer

Revisions

No.		Date
1	ADDENDUM NO. 2	
2	BULLETIN NO. 2	
3		

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood-Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

GROUND LEVEL WESTERN PORTION FLOOR PLAN

Scale: 1/8"=1'-0"

Project No. 19210.01

Date 24 JAN 1992

B2 BULLETIN

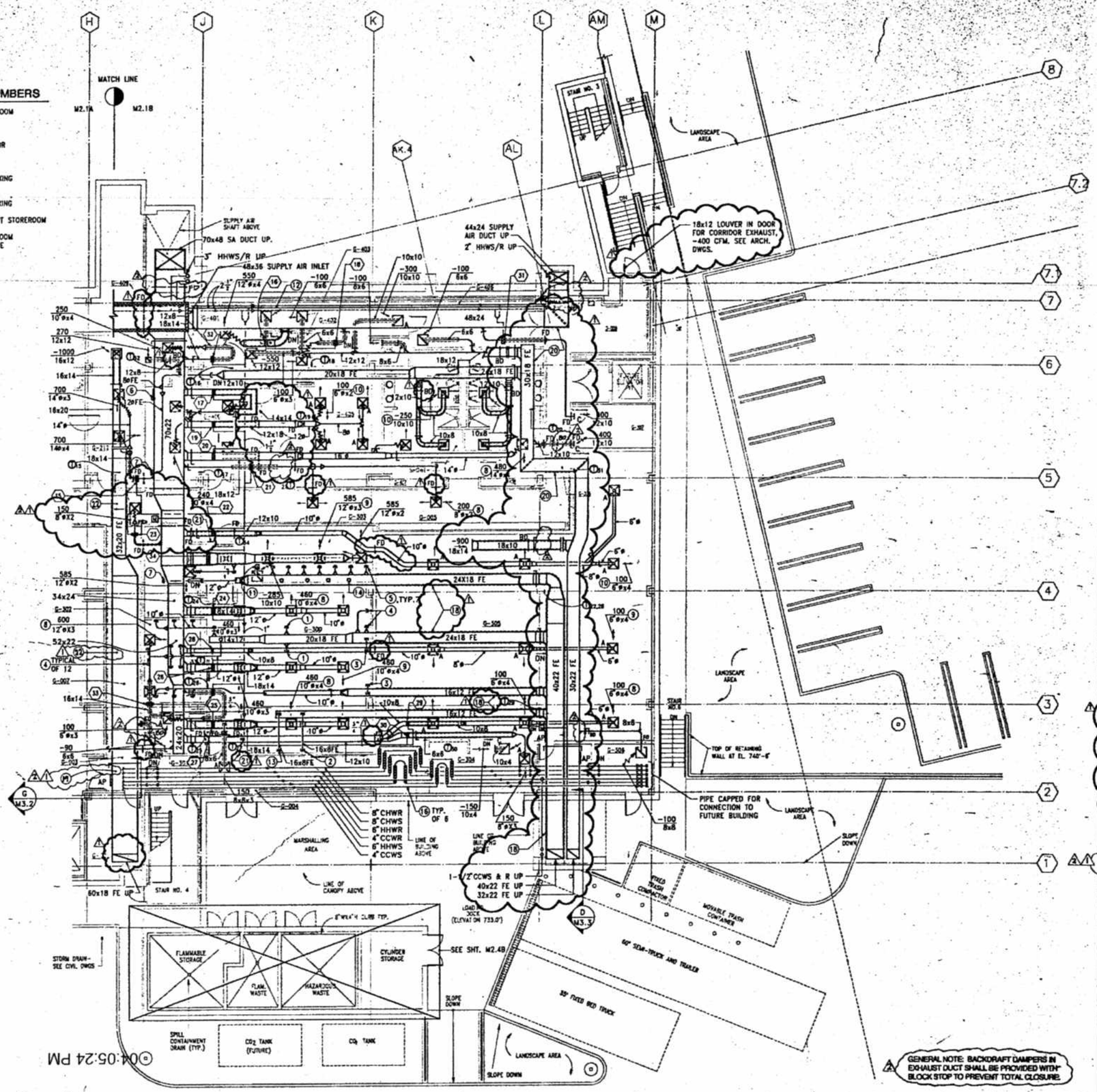
Drawing No. M2.1A

000764

4561; 7-19-91; M2_1A; EMR, DW
4561; 4-8-91; GROUND_A; EMR

ROOM NAMES & NUMBERS

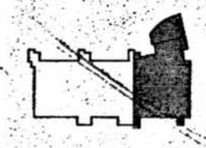
G - 002	ELEVATOR MACHINE ROOM
G - 003	VESTIBULE
G - 004	EXIT CORRIDOR
G - 005	SERVICE CORRIDOR
G - 007	WEST CROSS CORRIDOR
G - 008	SERVICE CORRIDOR
G - 009	LOBBY
G - 212	GLASSWARE
G - 300	SOLUTIONS/SMALL MIXING
G - 301	OFFICE
G - 302	DRY STORAGE
G - 303	SOLUTIONS/LARGE MIXING
G - 304	OFFICE
G - 305	MATERIAL MANAGEMENT STOREROOM
G - 306	SPECIAL HOLDING
G - 307	ELEVATOR MACHINE ROOM
G - 400	ELECTRON MICROSCOPE
G - 401	E.M. ROOM
G - 402	LOCKED STORAGE
G - 403	OFFICE
G - 405	HOUSEKEEPING
G - 406	LAB COAT STORAGE
G - 407	MEN
G - 408	WOMEN
G - 409	DARKROOM
G - 409	SEWAGE EJECTOR



GENERAL NOTE: BACKDRAFT DAMPERS IN EXHAUST DUCT SHALL BE PROVIDED WITH BLOCK STOP TO PREVENT TOTAL CLOSURE.

GENERAL NOTE: CEILING SPACE USED FOR RETURN AIR PLENUM SHALL CONTAIN NO COMBUSTIBLES.

KEY PLAN



SHEET NOTES

1. 14"ø F.E. DUCT WITH VOLUME DAMPER ON. TRANSITION TO 10"ø F.E. DUCT WITH FLANGED STUB BELOW CEILING. CONNECT TO 8" FUME HOOD PROVIDED BY OTHERS. -790 CFM.
2. 16 X 8 F.E. DUCT WITH VOLUME DAMPER ON, TRANSITION TO 10"ø F.E. DUCT WITH FLANGED STUB BELOW CEILING. CONNECT TO 4" FUME HOOD PROVIDED BY OTHERS. -750 CFM.
3. 14 X 10 F.E. DUCT WITH VOLUME DAMPER ON. PROVIDED FLANGED STUB BELOW CEILING. CONNECT TO BACKDRAFT PROVIDED BY OTHERS. -750 CFM.
4. 6"ø F.E. DUCT WITH VOLUME DAMPER ON, TRANSITION TO 5"ø F.E. DUCT. CONNECT TO VENTILATED STORAGE CABINET. -100 CFM.
5. 8"ø F.E. DUCT WITH VOLUME DAMPER ON, TRANSITION TO 5"ø F.E. DUCT WITH FLANGED STUB BELOW CEILING. CONNECT TO BAYONET TYPE DUCT COUPLING PROVIDED BY OTHERS. MIXING VESSEL. -150 CFM.
6. 9"ø F.E. DUCT WITH VOLUME DAMPER ON, TRANSITION TO 8"ø F.E. DUCT WITH FLANGED STUB THRU CEILING. CONNECT TO 4" BSC PROVIDED BY OTHERS. -270 CFM.
7. 12"ø F.E. DUCT WITH VOLUME DAMPER ON, TRANSITION TO 10"ø F.E. DUCT WITH FLANGED STUB BELOW CEILING. CONNECT TO 6" FUME HOOD PROVIDED BY OTHERS. -700 CFM.
8. TYPICAL OF 2.
9. TYPICAL OF 3.
10. TYPICAL OF 4.
11. 10 X 8 EXHAUST DUCT ON TO EXHAUST AIR GRILLE.
12. 8 X 6 TRANSFER AIR DUCT.
13. 12 X 6 F.E. DUCT WITH VOLUME DAMPER ON, TRANSITION TO 8"ø F.E. DUCT WITH FLANGED STUB THRU CEILING. CONNECT TO 4" BSC PROVIDED BY OTHERS. -270 CFM.
14. 10"ø F.E. DUCT WITH VOLUME DAMPER ONTO BACKDRAFT, -335 CFM. TYPICAL OF 4.
15. TYPICAL OF 5.
16. METAL FLEXIBLE PIPE EXPANSION LOOPS.
17. BLANK-OFF PLATE IN EXHAUST DUCT. SEE DETAIL 6/M5.3.
18. FIRE RATED ENCLOSURE AROUND FUME EXHAUST DUCTS SERVING MIXING ROOMS (H-7 OCCUPANCY, 2HR SEPARATION). MAINTAIN FIRE RATED ENCLOSURE UP TO ROOF. SEE ARCH. DWGS. FOR ENCLOSURE.
19. ~~PROVIDE FIRE RATED CEILING DIFFUSER.~~
20. DUCT IN FIRE RATED ENCLOSURE. SEE ARCH. DWGS.
21. EMERGENCY SHUT OFF SWITCH. SWITCH SHALL CONTROL MOTORIZED DAMPERS ON SUPPLY & RETURN DUCTS SERVING H-7 OCCUPANCY. LABEL SWITCH "VENTILATION SYSTEM EMERGENCY SHUT-OFF". MOUNT SWITCH 4'-6" A.F.F.. SWITCH SHALL BE OF THE "BREAK-GLASS" TYPE.
22. EXHAUST DUCT OVER CORRIDOR IN FIRE RATED DUCT ENCLOSURE.
23. EXHAUST DUCT OVER TUNNEL-TYPE FIRE RATED CORRIDOR. FIRE RATED DUCT ENCLOSURE BEGINS AT COLUMN LINE 4.9. SEE NOTE 22.

000765

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Revisions

No.		Date
1	BULLETIN NO. 2	
2		

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood-Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

GROUND LEVEL EASTERN PORTION FLOOR PLAN

Scale: 1/8"=1'-0"

Project No.		Drawing No.
19210.01	B2	M2.1B
Date 24 JAN 1992	BULLETIN	

PROJECT NO. 19210.01

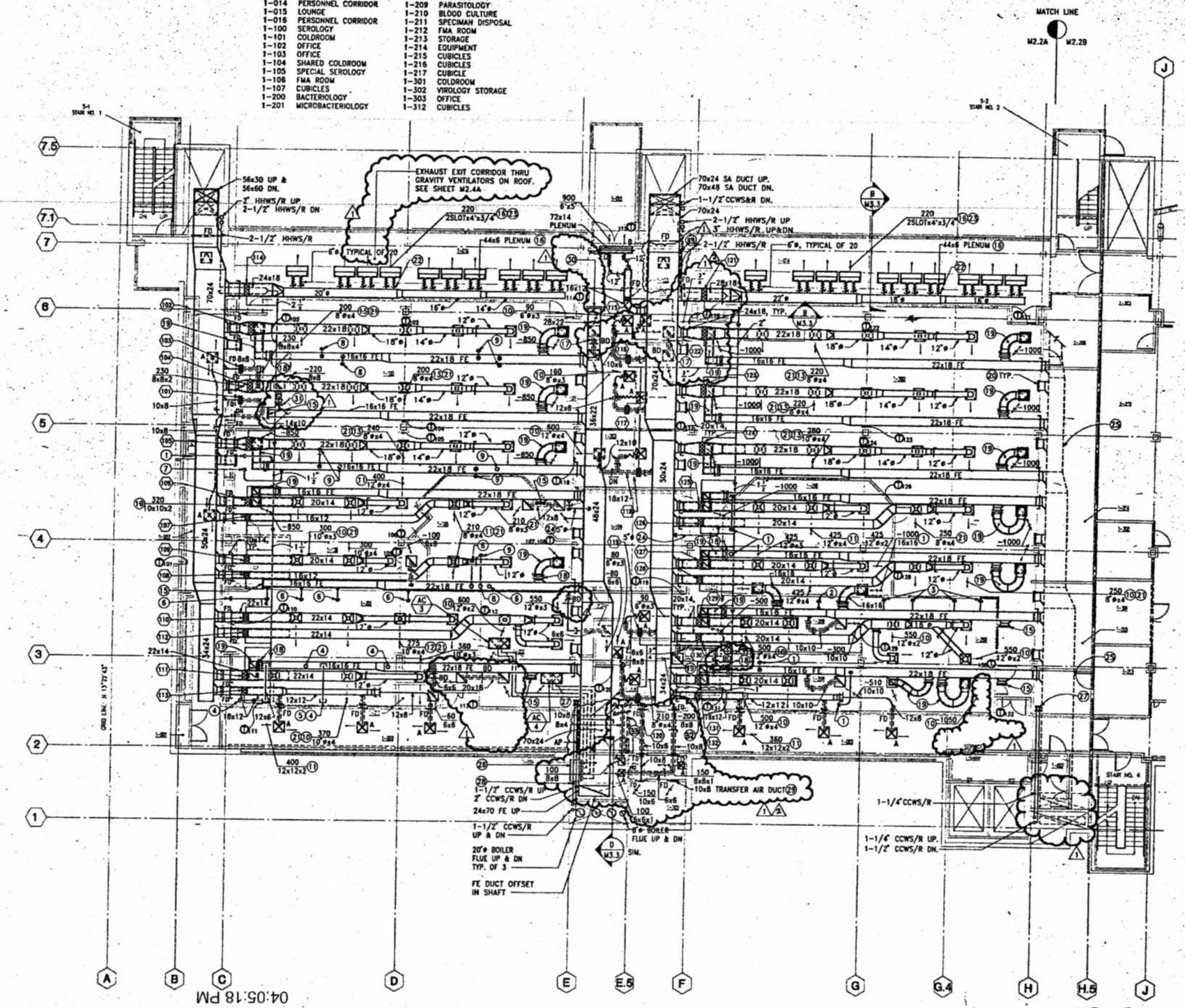
BLAP TITLE

NO. DATE REVISIONS

4561; 4-10-91; M2_1B; EMR 4561; 10-17-91; M2_1B; REV. DW
4561; 4-8-91; GROUND_B; EMR

ROOM NAMES AND NUMBERS

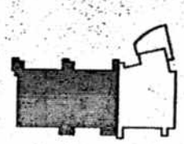
1-001	PIPE CHASE	1-202	TB INCUBATORS
1-002	WEST CROSS CORRIDOR	1-203	EQUIPMENT
1-003	SERVICE GALLERY	1-204	OFFICE
1-004	STORAGE	1-205	OFFICE
1-005	ELECTRICAL	1-206	OFFICE
1-006	TELECOM	1-207	ANAEROBIC
1-007	TELECOM	1-208	MYCOLOGY
1-014	PERSONNEL CORRIDOR	1-209	PARASITOLOGY
1-015	LOUNGE	1-210	BLOOD CULTURE
1-016	PERSONNEL CORRIDOR	1-211	SPECIMAN DISPOSAL
1-100	SEROLOGY	1-212	FMA ROOM
1-101	COLDROOM	1-213	STORAGE
1-102	OFFICE	1-214	EQUIPMENT
1-103	OFFICE	1-215	CUBICLES
1-104	SHARED COLDROOM	1-216	CUBICLES
1-105	SPECIAL SEROLOGY	1-217	CUBICLE
1-106	FMA ROOM	1-301	COLDROOM
1-107	CUBICLES	1-302	VIROLOGY STORAGE
1-200	BACTERIOLOGY	1-303	OFFICE
1-201	MICROBACTERIOLOGY	1-312	CUBICLES



GENERAL NOTE: BACKDRAFT DAMPERS IN EXHAUST DUCT SHALL BE PROVIDED WITH BLOCK STOP TO PREVENT TOTAL CLOSURE.

GENERAL NOTE: CEILING SPACE USED FOR RETURN AIR PLENUM SHALL CONTAIN NO COMBUSTIBLES

KEY PLAN



SHEET NOTES

1. 5"ø F.E. DUCT WITH VOLUME DAMPER DN, TRANSITION TO 8"ø F.E. DUCT WITH FLANGED STUB THRU CEILING. CONNECT TO 4" BSC PROVIDED BY OTHERS. -270 CFM.
2. 12"ø F.E. DUCT WITH VOLUME DAMPER DN, TRANSITION TO 10"ø F.E. DUCT WITH FLANGED STUB BELOW CEILING. CONNECT TO 6" FUME HOOD. -700 CFM.
3. 4"ø F.E. DUCT WITH VOLUME DAMPER DN FOR VENTILATION OF STORAGE CABINET, -40 CFM.
4. 12"ø F.E. DUCT DN, TRANSITION TO (2)-8"ø F.E. DUCTS WITH VOLUME DAMPERS DN. PROVIDE FLANGED STUBS BELOW CEILING. CONNECT TO 8" BSC PROVIDE BY OTHERS. -640 CFM TOTAL.
5. 12 X 10 F.E. DUCT DN, TRANSITION TO 12"ø F.E. DUCT .
6. 10"ø F.E. DUCT WITH VOLUME DAMPER DN, TRANSITION TO 8"ø F.E. DUCT WITH FLANGED STUB THRU CEILING. CONNECT TO 8" BSC PROVIDED BY OTHERS. -410 CFM.
7. 5"ø F.E. DUCT WITH VOLUME DAMPER DN, TRANSITION TO 6"ø F.E. DUCT WITH FLANGED STUB BELOW CEILING. CONNECT TO 6" WALK-IN FUME HOOD PROVIDED BY OTHERS. -150 CFM.
8. 8"ø F.E. DUCT CAPPED FOR CONNECTION TO FUTURE SNORKEL.
9. 8"ø F.E. DUCT WITH VOLUME DAMPER DN, TRANSITION TO 5"ø F.E. DUCT WITH FLANGED STUB BELOW CEILING. CONNECT TO BAYONET TYPE DUCT COUPLING PROVIDED BY OTHERS. SNORKEL. -150 CFM.
10. TYPICAL OF 2.
11. TYPICAL OF 3.
12. TYPICAL OF 4.
13. TYPCIAL OF 5.-
14. RHC-107 & 108 CONTROLLED BY COMMON THERMOSTAT.
15. 16 X 16 F.E. DUCT CAPPED FOR FUTURE CONNECTION TO EXHAUST AIR GRILLE.
16. TYPICAL OF 10.
17. 10 X 6 TRANSFER AIR DUCT.
18. BLANK-OFF PLATE IN EXHAUST DUCT. SEE DETAIL 6/M5.3.
19. 16 X 16 EXHAUST DUCT TO 24 X 24 EXHAUST AIR GRILLE WITH 16x16 NECK.
20. 22 X 18 F.E. DUCT CAPPED AIRTIGHT.
21. 12"ø TAP FROM MAIN BRANCH DUCT. TRANSITION TO DIFFUSER NECK SIZE.
22. PROVIDE V.D. REMOTE OPERATOR INSIDE OF LAB AREA. TYP. OF 10.
23. INSTALL DIFFUSER 1/2" BACK FROM FACE OF SOFFIT. COORDINATE DIFFUSER LOCATION WITH FIRE SPRINKLER HEADS.
24. COLD ROOM VENTILATION AIR. 50 CFM. COORDINATE POINT OF LOCATION WITH LAB EQUIPMENT CONTRACTOR.
25. SEE SHEET M2.2B FOR EXHAUST AIR MAIN.
26. CONDENSING UNITS FOR AC-3,4. MOUNT ON WALL.
27. FOR FUTURE CONNECTION TO WATER COOLED EQUIPMENT.
28. 1-1/2" CCWS/R DOWN TO AC-3,4 WATER COOLED CONNECTION SIM. TO DETAIL 7/M5.1.
29. PROVIDE GRILLE EACH SIDE OF TRANSFR DUCT.
30. PROVIDE FLANGED CAP AT END OF DUCT.
31. PROVIDE BACKDRAFT DAMPER IN DUCT.
32. OFFSET LAB FIRE RATED PARTITION TO INCLUDE SUPPLY AIR DUCT.
33. DUCT IN FIRE RATED ENCLOSURE. SEE ARCH. DWGS.

000766

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Laboratory Electrical Engineer

Revisions

No.		Date
1	BULLETIN NO.2	
2		

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood-Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

LAB LEVEL 1 WESTERN PORTION FLOOR PLAN

Scale: 1/8"=1'-0"

Project No.		Drawing No.
19210.01	B2	M2.2A
Date 24 JAN 1992	BULLETIN	

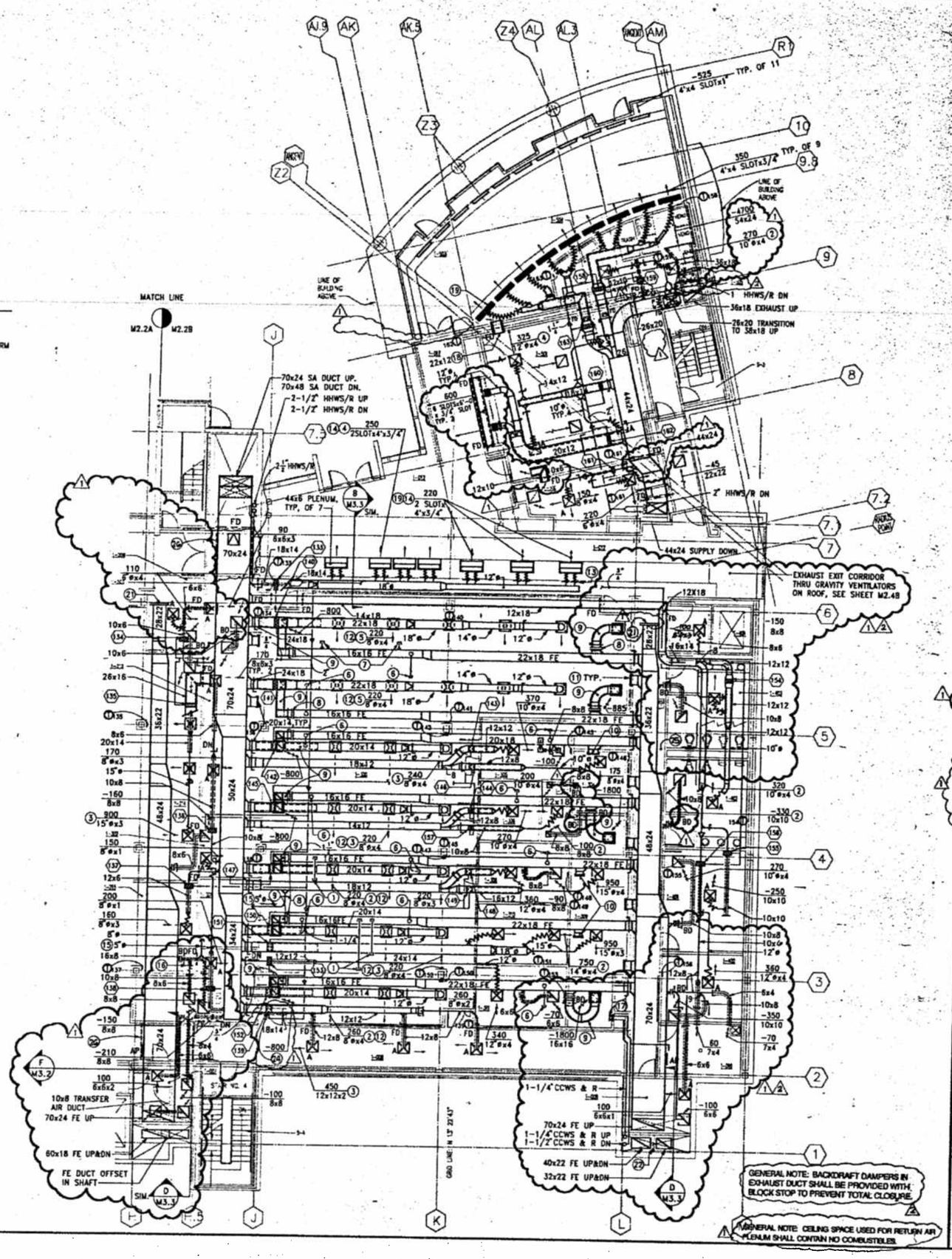
PROJECT NO. 19210.01

NO.	DATE	REVISION

4561; 10-17-91; M2_2A; EMR. SY
4561; 4-8-91; LAB1A; EMR

ROOM NAMES AND NUMBERS

1-007	TELECOM	1-306	DETECTION
1-008	SERVICE GALLERY B	1-307	DARKROOM
1-009	STORAGE	1-309	VIOLOGY EQUIPMENT RM
1-010	JANITOR	1-310	CENTRIFUGE
1-011	EAST CROSS CORRIDOR	1-311	QUALITY CONTROL
1-012	PERSONAL CORRIDOR	1-312	CUBICLES
1-013	LOBBY/RECEPTION	1-400	CONFERENCE
1-206	OFFICE	1-401	LIBRARY
1-213	STORAGE	1-402	MEN
1-214	EQUIPMENT	1-403	WOMEN
1-215	CUBICLES	1-404	COPY
1-300	VIROLOGY	1-500	SECURITY OFFICE
1-301	COLDROOM	1-501	CONFERENCE
1-302	VIROLOGY STORAGE	1-502	PANTRY
1-303	OFFICE	1-503	CAFETERIA
1-304	FMA ROOM	1-504	VENDING
1-305	DNA PROBE	1-505	JANITOR
1-306	DNA PROBE		



GENERAL NOTE: BACKDRAFT DAMPERS IN EXHAUST DUCT SHALL BE PROVIDED WITH BLOCK STOP TO PREVENT TOTAL CLOSURE.

GENERAL NOTE: CEILING SPACE USED FOR RETURN AIR PLENUM SHALL CONTAIN NO COMBUSTIBLES.

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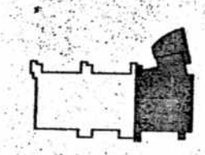
KEY PLAN



SHEET NOTES

SHEET NOTES:

1. 12 X 6 F.E. DUCT WITH VOLUME DAMPER DN, TRANSITION TO 8"ø F.E. DUCT WITH FLANGED STUB THRU CEILING. CONNECT TO 4" BSC PROVIDED BY OTHERS. -270 CFM.
2. TYPICAL OF 2.
3. TYPICAL OF 3.
4. TYPICAL OF 4.
5. TYPICAL OF 5.
6. 9"ø F.E. DUCT WITH VOLUME DAMPER DN, TRANSITION TO 8"ø F.E. DUCT WITH FLANGED STUB THRU CEILING. CONNECT TO 4" BSC PROVIDED BY OTHERS. -270 CFM.
7. 8"ø F.E. DUCT CAPPED AIRTIGHT FOR FUTURE CONNECTION TO 4" BSC.
8. BLANK-OFF PLATE IN EXHAUST DUCT. SEE DETAIL 6/M5.3.
9. 18 X 16 EXHAUST DUCT TO 24 X 24 EXHAUST AIR GRILLE WITH 16 X 16 NECK.
10. 16 X 16 F.E. DUCT CAPPED AIRTIGHT FOR FUTURE CONNECTION TO EXHAUST AIR GRILLE.
11. 22 X 18 F.E. DUCT CAPPED AIRTIGHT.
12. 12"ø TAP FROM MAIN BRANCH DUCT. TRANSITION TO DIFFUSER NECK SIZE.
13. PROVIDE V.D. REMOVE OPERATOR INSIDE OF LAB AREA. TYP. OF 7.
14. INSTALL DIFFUSER 1/2" BACK FROM FACE OF SOFFIT. COORDINATE DIFFUSER LOCATION WITH FIRE SPRINKLER HEADS.
15. COLD ROOM VENTILATION AIR, 50 CFM. COORDINATE POINT OF CONNECTION WITH LAB EQUIP. DRAWINGS.
16. SPLIT 8x4 TOP, 8x6 BOTTOM.
17. FOR FUTURE CONNECTION TO WATER COOLED EQUIPMENT.
18. TRANSFER AIR DUCT.
19. DIFFUSER LOCATED IN ARCHITECTURAL SOFFIT.
20. RETURN GRILLE LOCATED IN VERTICAL FACE OF ARCHITECTURAL SOFFIT.
21. PROVIDE FLANGED CAP AT END OF DUCT.
22. FIRE RATED SEPARATION BETWEEN 40x22 F.E. DUCT AND 30x22 F.E. DUCT FROM GROUND FLOOR. SEE ARCH. DWGS.
23. PROVIDE BACKDRAFT DAMPER IN DUCT.
24. OFFSET FIRE RATED PARTITION TO INCLUDE SUPPLY AIR DUCT.
25. CORRIDOR 1-011 IS TUNNEL TYPE FIRE RATED CONSTRUCTION TYPE. SEE ARCH. DWGS.
26. DUCT(S) IN FIRE RATED DUCT ENCLOSURE, SEE ARCH. DWGS.

000767

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Landscape Architect

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Laboratory Engineer
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Revisions

No.		Date
1	BULLETIN NO. 2	
2	" " "	

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood-Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

LAB LEVEL 1 EASTERN PORTION FLOOR PLAN

Scale: 1/8"=1'-0"

Project No. 19210.01

Date 24 JAN 1992

B2 BULLETIN

Drawing No. M2.2B

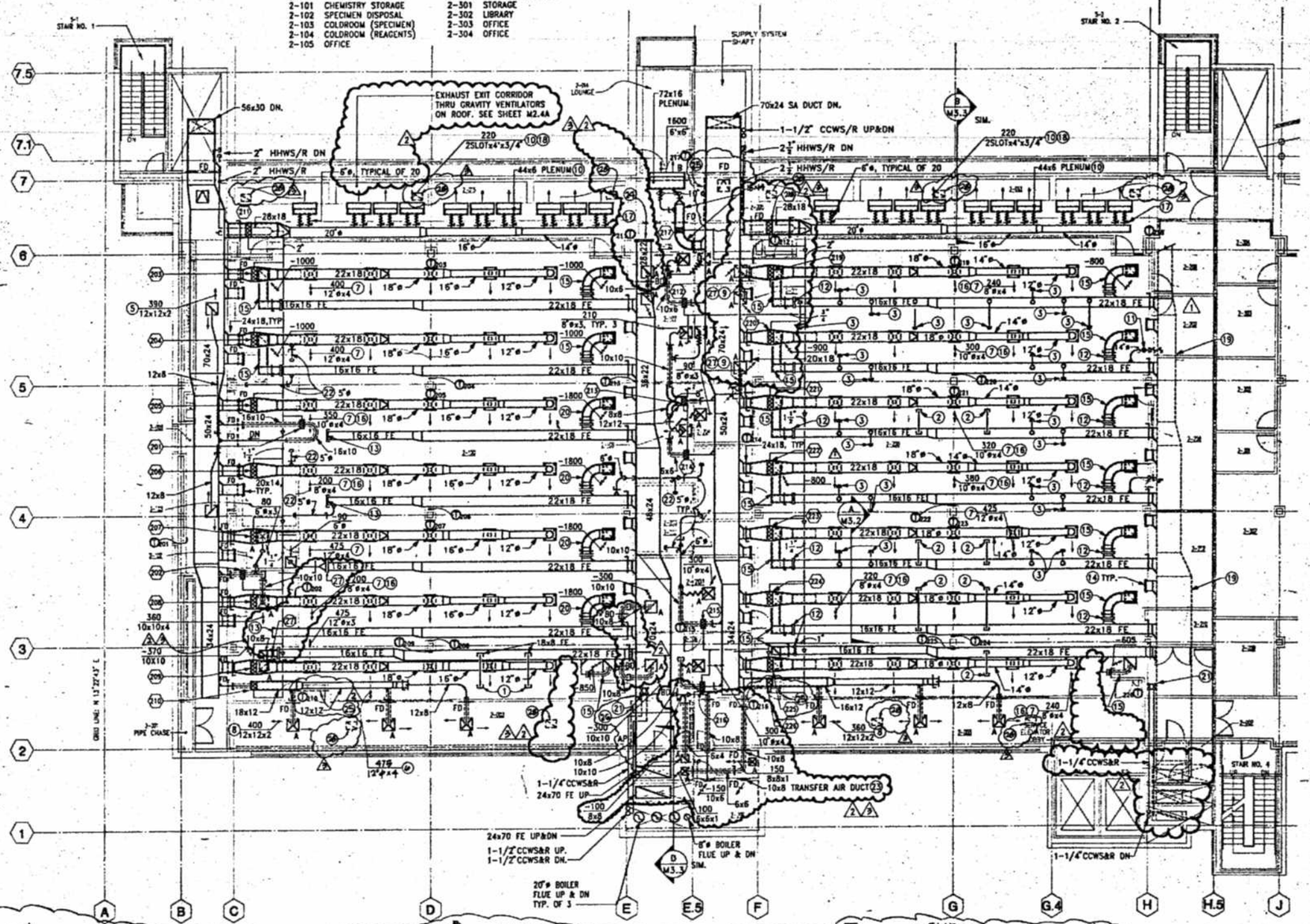
PROJECT NO. 19210.01

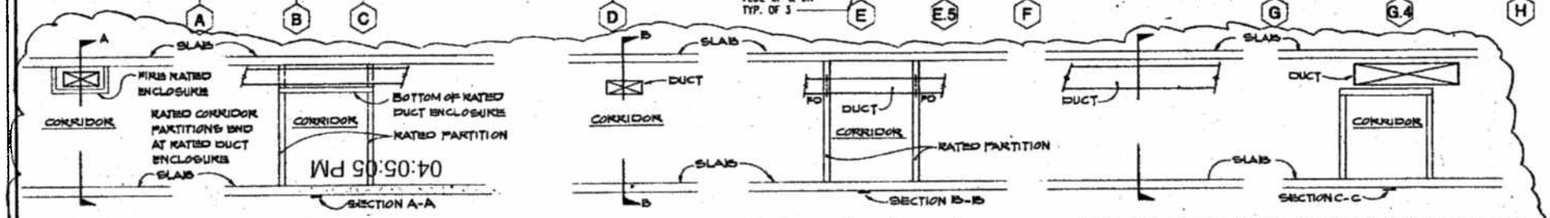
LAY FILE

4561; 10-17-91; M2_2B; EMR, SY
4561; 4-8-91; LAB1B; EMR

ROOM NAMES AND NUMBERS

2-001	PIPE CHASE	2-200	SPECIAL CHEMISTRY
2-002	WEST CROSS CORRIDOR	2-201	OFFICE
2-003	SERVICE GALLERY	2-202	COLDROOM
2-003	SERVICE GALLERY	2-203	COLDROOM
2-004	STORAGE	2-204	LIBRARY
2-005	TELECOM	2-205	OFFICE
2-006	ELECTRICAL	2-206	OFFICE
2-007	TELECOM	2-207	SORTING
2-013	PERSONNEL CORRIDOR	2-207	OFFICE
2-013	PERSONNEL CORRIDOR	2-208	EQUIPMENT
2-014	LOUNGE	2-209	SPECIAL CHEMICAL STORAGE
2-100	CHEMISTRY	2-210	SPECIAL DISPOSAL
2-101	CHEMISTRY STORAGE	2-301	STORAGE
2-102	SPECIMEN DISPOSAL	2-302	LIBRARY
2-103	COLDROOM (SPECIMEN)	2-303	OFFICE
2-104	COLDROOM (REAGENTS)	2-304	OFFICE
2-105	OFFICE		





TYP. DUCT IN FIRE RATED ENCLOSURE THRU RATED CORRIDOR
NOT TO SCALE

TYP. DUCT THRU RATED CORRIDOR
NOT TO SCALE
NOTE: DIFFUSERS ARE NOT ALLOWED IN CEILING OF TUNNEL TYPE CORRIDOR.

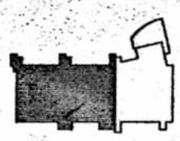
TYP. DUCT OVER TUNNEL TYPE FIRE RATED CORRIDOR
NOT TO SCALE

TYPICAL CORRIDOR CONSTRUCTION TYPES

GENERAL NOTE: BACKDRAFT DAMPERS IN EXHAUST DUCT SHALL BE PROVIDED WITH BLOCK STOP TO PREVENT TOTAL CLOSURE.

GENERAL NOTE: CEILING SPACE USED FOR RETURN AIR PLENUM SHALL CONTAIN NO COMBUSTIBLES.

KEY PLAN



SHEET NOTES

1. 14 X 10 F.E. DUCT WITH VOLUME DAMPER DN , TRANSITION TO 10"ø F.E. DUCT WITH FLANGED STUB BELOW CEILING. CONNECT TO 8" FUME HOOD PROVIDED BY OTHERS. -790 CFM.
2. 12 X 10 F.E. DUCT WITH VOLUME DAMPER DN, TRANSITION TO 10"ø F.E. DUCT WITH FLANGED STUB BELOW CEILING. CONNECT TO 8" FUME HOOD PROVIDED BY OTHERS. -700 CFM.
3. 8"ø F.E. DUCT WITH VOLUME DAMPER DN, TRANSITION TO 5"ø F.E. DUCT WITH FLANGED STUB BELOW CEILING. CONNECT TO BAYONET TYPE DUCT COUPLING PROVIDED BY OTHERS. SNORKEL. -150 CFM.
4. 8"ø F.E. DUCT WITH VOLUME DAMPER DN, TRANSITION TO 5"ø F.E. DUCT WITH FLANGED STUB BELOW CEILING. CONNECT TO BAYONET TYPE DUCT COUPLING PROVIDED BY OTHERS. SNORKEL. -150 CFM.
5. TYPICAL OF 2.
6. TYPICAL OF 4.
7. TYPICAL OF 5.
8. TYPICAL OF 3.
9. 10 X 6 TRANSFER AIR DUCT.
10. TYPICAL OF 10.
11. 10"ø F.E. DUCT WITH VOLUME DAMPER DN TO STORAGE CABINET. -500 CFM.
12. BLANK-OFF PLATE IN EXHAUST DUCT. SEE DETAIL 6/M3.3.
13. 16 X 16 F.E. DUCT CAPPED AIRTIGHT FOR FUTURE CONNECTION TO EXHAUST AIR GRILLE.
14. 22 X 18 F.E. DUCT CAPPED AIRTIGHT.
15. 16 X 16 EXHAUST DUCT TO 24 X 24 EXHAUST AIR GRILLE WITH 16 X 16 NECK.
16. 12"ø TAP FROM MAIN BRANCH DUCT. TRANSITION TO DIFFUSER NECK SIZE.
17. PROVIDE V.D. REMOTE OPERATOR INSIDE OF LAB AREA. TYP. OF 10.
18. INSTALL DIFFUSER 1/2" BACK FROM FACE OF SOFFIT. COORDINATE DIFFUSER LOCATION WITH FIRE SPRINKLER HEADS.
19. SEE SHEET M2.3B FOR EXHAUST AIR MAIN.
20. 16x16 EXHAUST DUCT TO 24x24 EXHAUST AIR GRILLE WITH 22x22 NECK.
21. FOR FUTURE CONNECTION TO WATER COOLED EQUIPMENT.
22. COLD ROOM VENTILATION AIR, 50 CFM. COORDINATE POINT OF CONNECTION WITH LAB EQUIPMENT CONTRACTOR.
23. PROVIDE GRILLE EACH SIDE OF TRANSFER DUCT.
24. PROVIDE FLANGED CAP AT END OF DUCT.
25. OPPOSITE FIRE RATED PARTITION TO INCLUDE SUPPLY AIR DUCT.
26. DUCT(S) IN FIRE RATED DUCT ENCLOSURE. SEE ARCH. DWGS.
27. PROVIDE BACKDRAFT DAMPER IN DUCT.
28. LOCATION OF EXHAUST AIR GRAVITY VENTILATORS. SEE SHEET M2.4A & DETAIL 6/M6.5.

000768

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Revisions

No.		Date
1	ADDENDUM NO. 2	
2	BULLETIN No. 2	
3		

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood-Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

LAB LEVEL 2 WESTERN PORTION FLOOR PLAN

Scale: 1/8"=1'-0"

Project No. 19210.01

Date 24 JAN 1992

B2 BULLETIN

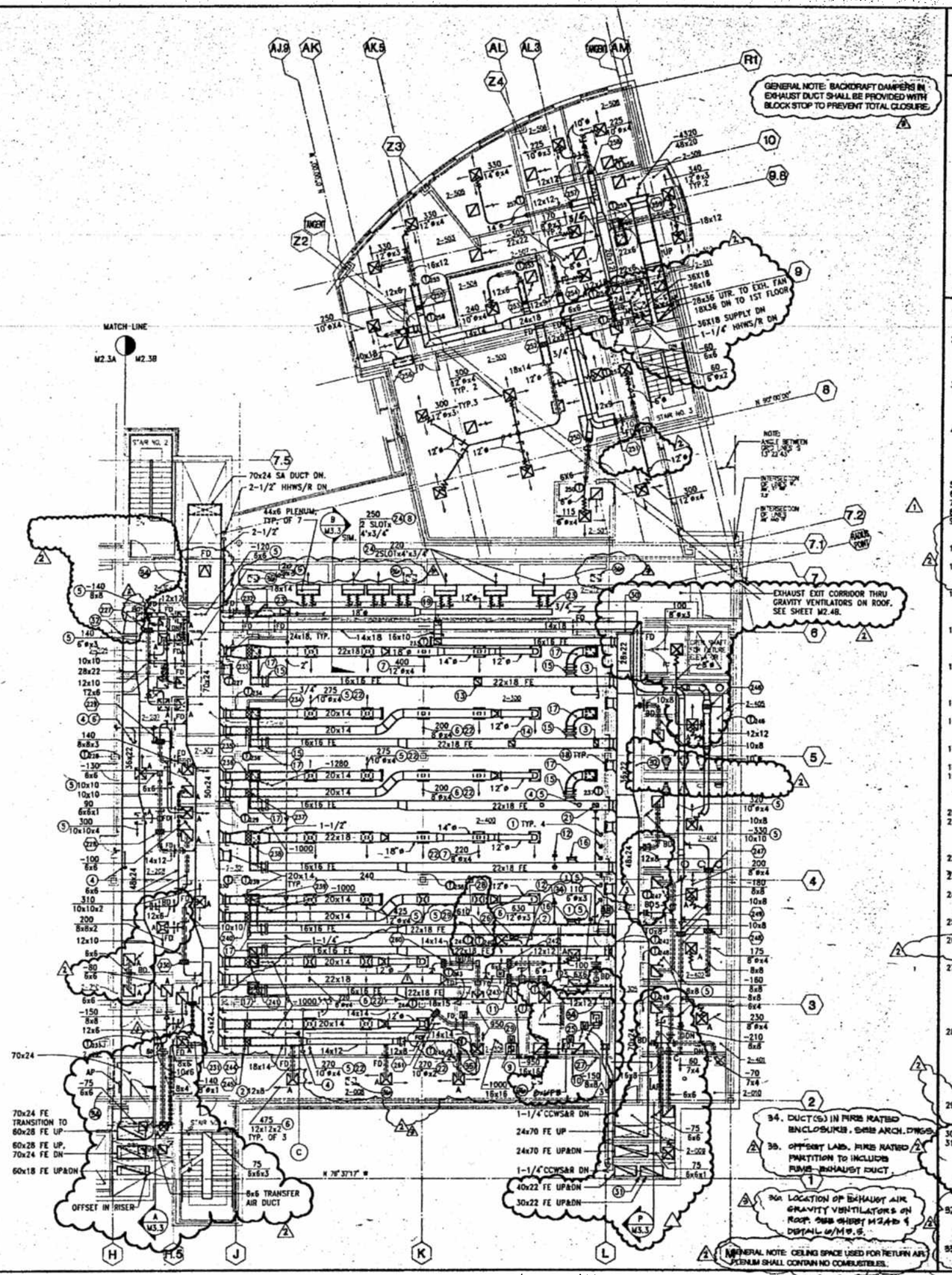
Drawing No. M2.3A

04:05:05 PM

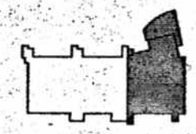
4561; 10-17-91; M2_3A; EMR; SY
4561; 4-8-91; LAB2A; EMR

ROOM NAMES AND NUMBERS

2-007	TELECOM	2-401	SORTING
2-008	SERVICE GALLERY B	2-402	CALLING ROOM
2-009	STORAGE	2-403	COPY
2-010	JANITOR	2-404	MEN
2-011	EAST CROSS CORRIDOR	2-405	WOMEN
2-012	PERSONNEL CORRIDOR	2-500	CLERICAL SUPPROT
2-206	OFFICE	2-501	OFFICE
2-207	OFFICE	2-502	OFFICE
2-208	EQUIPMENT	2-503	OPEN OFFICE
2-209	SPECIAL CHEMICAL STORAGE	2-504	CONFERENCE
2-210	SPECIAL DISPOSAL	2-505	DIRECTOR OFFICE
2-300	HISTOPATHOLOGY	2-506	OFFICE
2-301	STORAGE	2-507	RECEPTION
2-302	LIBRARY	2-508	MANAGER OFFICE
2-303	OFFICE	2-509	OFFICE
2-304	OFFICE	2-510	OFFICE
2-305	HAZARDOUS STORAGE	2-511	STORAGE
2-306	PROCESSOR	2-511	CORRIDOR
2-400	OFFICE	2-512	COPY



KEY PLAN



SHEET NOTES

1. 5"ø DN. TRANSITION TO 5"ø DN STUB THRU CEILING. CONNECTION TO SLP COVER MACHINE BY OTHERS.
2. 16 X 12 F.E. DUCT WITH VOLUME DAMPER DN, TRANSITION TO 12"ø F.E. DUCT WITH FLANGED STUB BELOW CEILING. CONNECT TO 8" FUME HOOD PROVIDED BY OTHERS. -1250 CFM.
3. 14 X 10 F.E. DUCT WITH VOLUME DAMPER DN, TRANSITION TO 10"ø F.E. DUCT WITH FLANGED STUB BELOW CEILING. CONNECT TO 8" FUME HOOD PROVIDED BY OTHERS. -790 CFM.
4. 8"ø F.E. DUCT WITH VOLUME DAMPER DN, TRANSITION TO 5"ø F.E. DUCT WITH FLANGED STUB BELOW CEILING. CONNECT TO BAYONET TYPE DUCT COUPLING PROVIDED BY OTHERS. SNORKEL, -150 CFM.
5. TYPICAL OF 2.
6. TYPICAL OF 3.
7. TYPICAL OF 5.
8. TYPICAL OF 4.
9. 16x16 F.E. TRANSITION TO 14x14 F.E. DUCT U.T.R. SEE M2.4B FOR CONTINUATION. PROVIDE MOTORIZED DAMPER IN DUCT.
10. 8x8 F.E. DUCT UTR. SEE M4.2B FOR CONTINUATION. PROVIDE MOTORIZED DAMPER IN DUCT.
11. 10x16 F.E. DUCT UTR. SEE M2.4B FOR CONTINUATION. PROVIDE MOTORIZED DAMPER IN DUCT.
12. 8"ø F.E. DUCT WITH VOLUME DN. TRANSITION TO 6"ø F.E. DUCT WITH FLANGED STUB BELOW CEILING. CONNECT TO CABINET, -170 CFM.
13. 16 X 14 F.E. DUCT WITH VOLUME DAMPER DN. PROVIDE FLANGED STUB BELOW CEILING. CONNECT TO BACKDRAFT, -1500 CFM.
14. 14 X 12 F.E. DUCT WITH VOLUME DAMPER DN. PROVIDE FLANGED STUB BELOW CEILING. CONNECT TO BACKDRAFT, -1000 CFM.
15. BLANK-OFF PLATE IN EXHAUST DUCT. SEE DETAIL 6/M5.3.
16. 16 X 16 F.E. DUCT CAPPED AIRTIGHT FOR FUTURE CONNECTION TO EXHAUST AIR GRILLE.
17. 16 X 16 EXHAUST DUCT TO 24 X 24 EXHAUST AIR GRILLE WITH 16 X 16 NECK.
18. 22 X 18 F.E. DUCT CAPPED AIRTIGHT.
19. 16 X 10 F.E. DUCT WITH VOLUME DAMPER DN. PROVIDE FLANGED STUB BELOW CEILING. CONNECT TO BACKDRAFT, -1000 CFM.
20. 16 X 16 F.E. DUCT CAPPED AIRTIGHT.
21. 12 X 8 F.E. DUCT WITH VOLUME DAMPER DN. PROVIDE FLANGED STUB BELOW CEILING. CONNECT TO BACKDRAFT, -500 CFM.
22. 12"ø TAP FROM MAIN BRANCH DUCT. TRANSITION TO DIFFUSER NECK SIZE.
23. PROVIDE V.D. REMOTE OPERATOR INSIDE OF LAB AREA. TYP. OF 14.
24. INSTALL DIFFUSER 1/2" BACK FROM FACE OF SOFFIT. COORDINATE DIFFUSER LOCATION WITH FIRE SPRINKLER HEADS.
25. FOR FUTURE CONNECTION TO WATER COOLED EQUIPMENT
26. 16x12 F.E. DUCT UTR. SEE M2.4B FOR CONTINUATION. PROVIDE MOTORIZED DAMPER IN DUCT DN TO FUME HOOD.
27. AUTO/PURGE TOGGLE SWITCH FOR CONTROL OF MOTORIZED DAMPER FOR HALON EXHAUST. PROVIDE NAMEPLATE STATING "HALON PURGE FOR ROOM 2-305 SOLVENT STORAGE." MOUNT SWITCH 4'-6" A.F.F. SWITCH AND ASSOCIATED MOTORIZED DAMPERS SHALL BE INTERLOCKED WITH MAIN DDC PANEL.
28. AUTO/PURGE TOGGLE SWITCH FOR CONTROL OF MOTORIZED DAMPER FOR HALON EXHAUST. PROVIDE NAMEPLATE STATING "HALON PURGE FOR ROOM 2-306 SOLVENT STORAGE." MOUNT SWITCH 4'-6" A.F.F. SWITCH AND ASSOCIATED MOTORIZED DAMPERS SHALL BE INTERLOCKED WITH MAIN DDC PANEL (SIM. FOR PROCESSOR RMS 2-308 AND 2-309.
29. PERFORATED FACE GRILLE W/22x22 NECK. PROVIDE 22x22x18 PLENUM ABOVE GRILLE. CONNECT SUPPLY DUCT TO PLENUM.
30. PROVIDE FLANGED CAP AT END OF DUCT.
31. FIRE RATED SEPARATION BETWEEN 40x22 F.E. DUCT AND 30x22 F.E. DUCT FROM AROUND FLOOR. SEE ARCH. DWGS. COMBINE DUCTS ABOVE ROOF LINE. CONTINUE 70x22 F.E. DUCT TO F.E. PLENUM. PROVIDE BACKDRAFT DAMPER IN DUCT.
32. CORRIDOR 2-011 IS TUNNEL TYPE FIRE RATED CONSTRUCTION TYPE. SEE ARCH. DWGS.
33. OFFSET CORRIDOR FIRE RATED PARTITION TO INCLUDE SUPPLY AIR DUCT

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No.		Date
1	ADDENDUM NO. 3	6/27/91
2	BULLETIN NO.2	
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North Hollywood-Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

LAB LEVEL 2 EASTERN PORTION FLOOR PLAN

Scale: 1/8"=1'-0"

Project No.		Drawing No.
19210.01	B2	M2.3B
Date 24 JAN 1992	BULLETIN	

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4561; 10-18-91; M2_3B; EMR, SY
4561; 8-23-91; LAB2B; EMR

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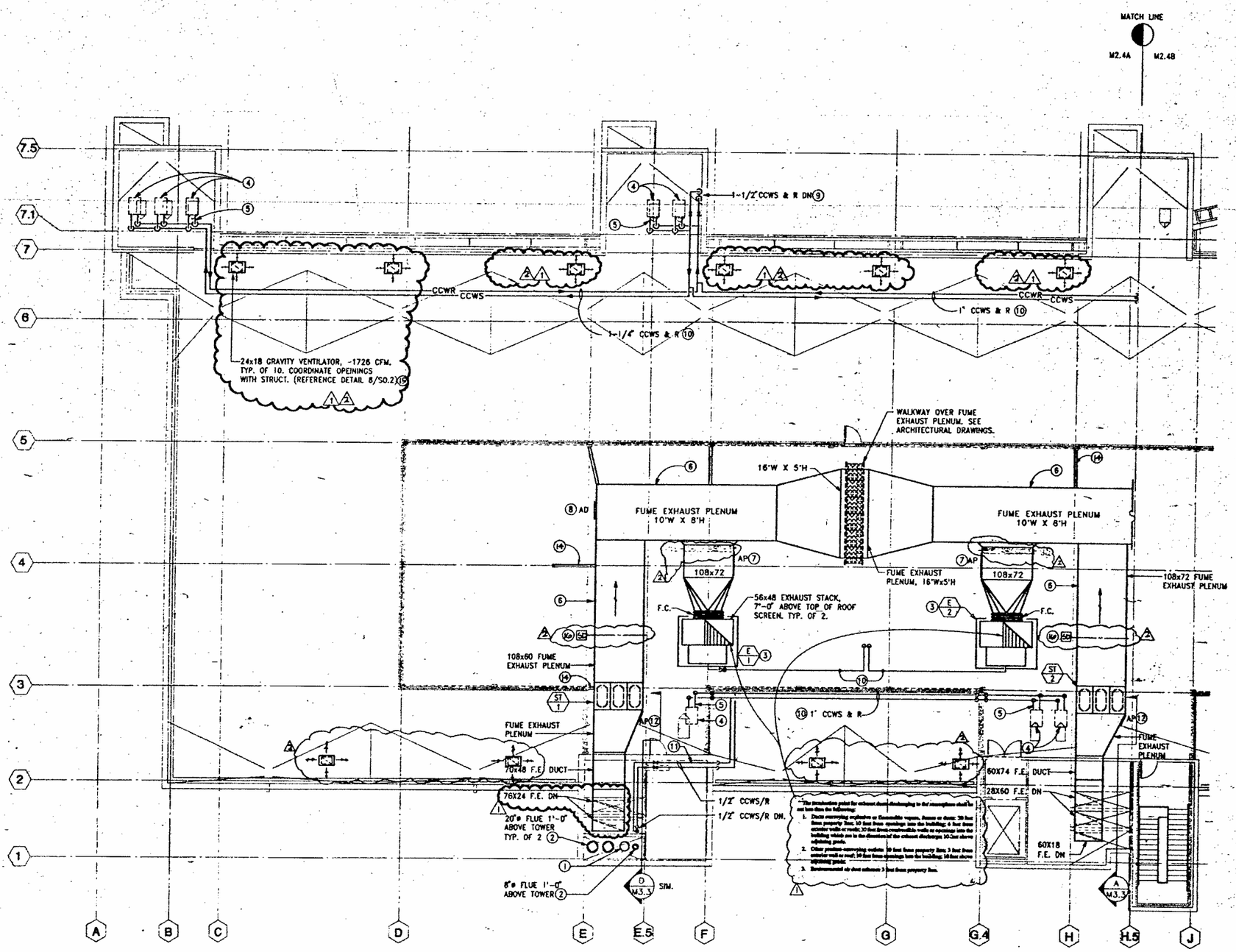

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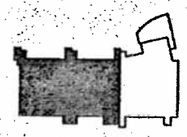
KEY PLAN



SHEET NOTES

1. CAPPED 20"ø FLUE.
2. PROVIDE FLUE CAP WITH BIRDSCREEN. SEE DETAIL 4/M5.3.
3. SEE DETAIL 5/M5.1 FOR EXHAUST FAN ON ROOF.
4. CONDENSER UNIT PROVIDED AND INSTALLED BY OTHERS. SEE ARCH. DRAWINGS FOR EXACT LOCATION.
5. CCWS&R TO CONDENSING UNITS, TYP. PIPING SIMILAR TO DETAIL 2/M5.1.
6. SEE DETAIL 6/M5.1 FOR PLENUM CONSTRUCTION.
7. 18x18 ACCESS PANEL WITH PLEXIGLAS WINDOW.
8. SEE DETAIL 9/M5.1 FOR FUME EXHAUST PLENUM DOOR.
9. SEE DETAIL 3/M5.2 FOR PIPE THRU ROOF.
10. SEE DETAIL 6/M5.2 FOR PIPE SUPPORT ON ROOF.
11. RUN CCWS&R TIGHT TO CLG.
12. 24X18 ACCESS PANEL.
13. 1" COPPER PIPE TO LAB WASTE. SEE DETAIL 5/M5.1.
14. ANGLE BRACE. TYP. SEE DETAIL 6/M5.1.
15. SEE DETAIL 6/M5.9.
16. UPON DETECTION OF SMOKE, SUPPLY FANS S-1 AND S-2 SHALL BE DE-ACTIVATED. PROVIDED AND INSTALLED BY OTHERS.

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2	" " "	

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North Hollywood-Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

ROOF
WESTERN PORTION
FLOOR PLAN
Scale: 1/8"=1'-0"

Project No.		Drawing No.
19210.01	B2	M2.4A
Date 24 JAN 1992	BULLETIN	

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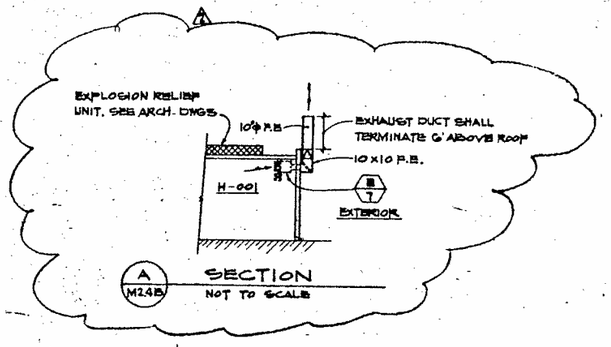
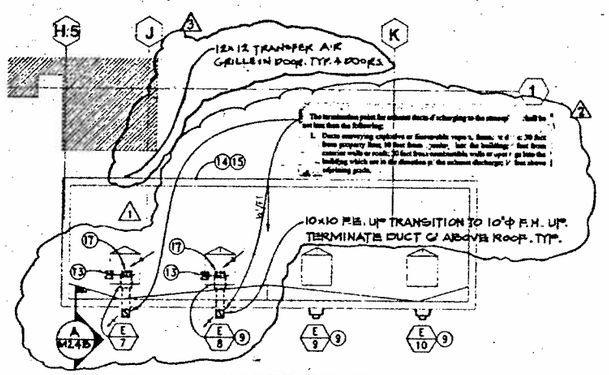
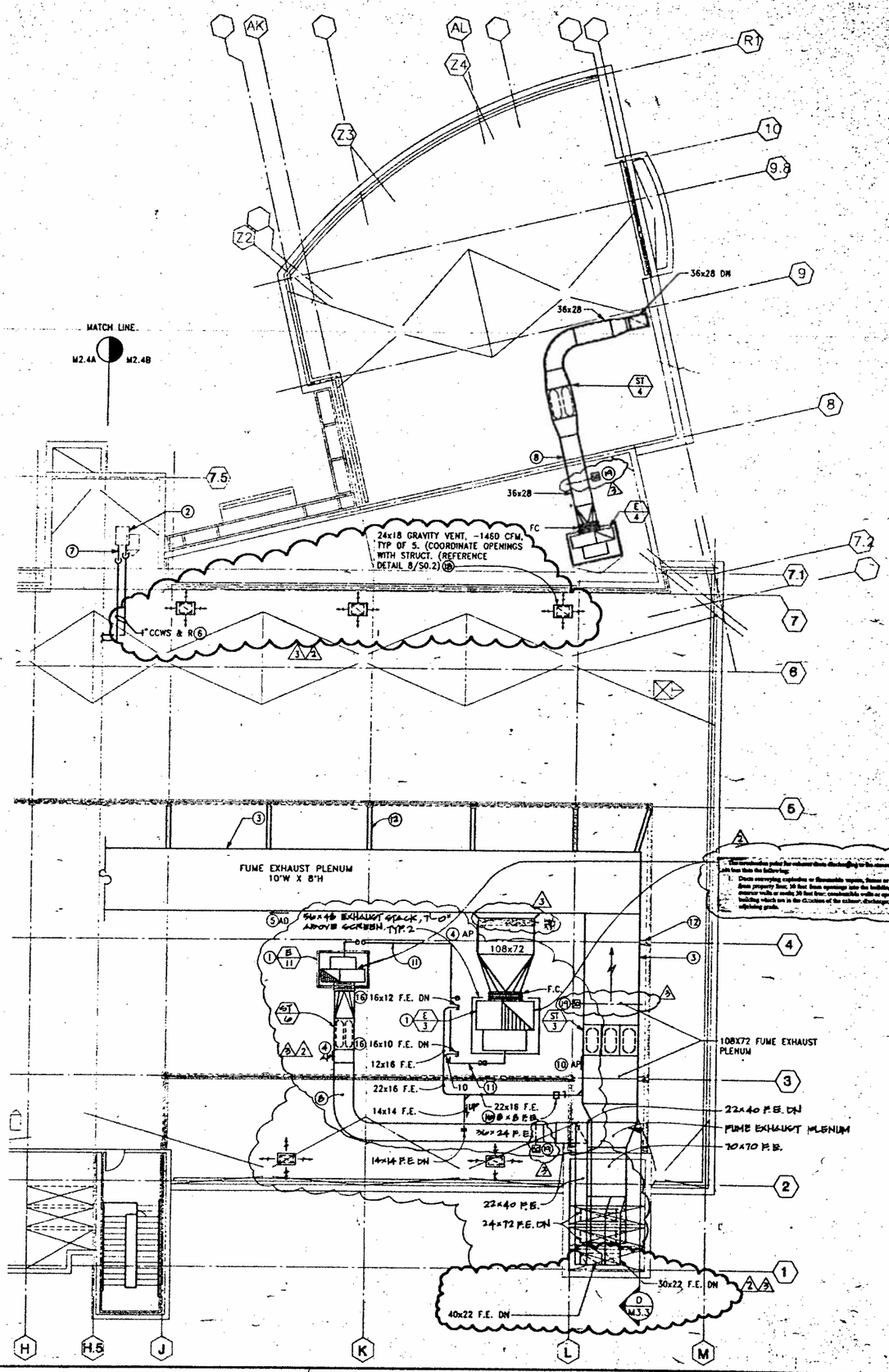
4561; 10-16-91; M2_4A; EMR/AB/SY
4561; 12-17-90; ROOFA; EMR





ROOF PLAN - WASTE STORAGE AREA

SCALE : 1/8" = 1'-0"



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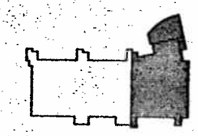

SHEET NOTES

1. SEE DETAIL 5/M5.1 FOR EXHAUST FAN ON ROOF.
2. CONDENSER UNIT PROVIDED AND INSTALLED BY OTHERS. SEE ARCH. DRAWINGS FOR EXACT LOCATION.
3. SEE DETAIL 8/M5.1 FOR PLENUM CONSTRUCTION.
4. 18x18 ACCESS PANEL WITH PLEXIGLAS WINDOW.
5. SEE DETAIL 9/M5.1 FOR FUME EXHAUST PLENUM DOOR
6. SEE DETAIL 6/M5.2 FOR PIPE SUPPORT ON ROOF.
7. CCWS & R TO CONDENSING UNITS, TYP. PIPING SIM. TO DETAIL 2/M5.1.
8. SEE DETAIL 3/M5.3 FOR DUCT SUPPORT ON ROOF.
9. SEE DETAIL 8/M5.1.
10. 24X18 ACCESS PANEL.
11. 1" COPPER PIPE TO LAB WASTE. SEE DETAIL 5/M5.1.
12. ANGLE BRACE, TYP. SEE DETAIL 6/M5.1.
13. HALON EXHAUST MOTORIZED DAMPER LOCATED INSIDE STORAGE ROOM. MOTORIZED DAMPER AND ASSOCIATED EXHAUST FAN SHALL BE INTERLOCKED WITH MAIN DOC PANEL.
14. AUTO/PURGE TOGGLE SWITCH FOR CONTROL OF E-7 HALON EXHAUST MOTORIZED DAMPER. PROVIDE TAMPER PROOF/LOCKING COVER. PROVIDE NAMEPLATE STATING "EXHAUST FAN E-7 HALON PURGE." MOUNT SWITCH 4'-6" ABOVE GRADE.
15. AUTO/PURGE TOGGLE SWITCH FOR CONTROL OF E-8 HALON EXHAUST MOTORIZED DAMPER. PROVIDE TAMPER PROOF/LOCKING COVER. PROVIDE NAMEPLATE STATING "EXHAUST FAN E-8 HALON PURGE." MOUNT SWITCH 4'-6" ABOVE GRADE.
16. SEE SHEET M2.3B FOR CONTINUATION.
17. PROVIDE SCREEN OVER EXHAUST FAN INLET.
18. SEE DETAIL 6/M5.5
19. OPEN DETECTION OF SMOKE SUPPLY FANS S-1 AND S-2 SHALL BE DE-ACTIVATED. PROVIDED AND INSTALLED BY OTHERS.

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1	ADDENDUM NO. 3	6/27/91
2	BULLETIN NO. 2	
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Kaiser Permanente Medical Care Program
Southern California Region

ROOF EASTERN PORTION FLOOR PLAN

Scale: 1/8" = 1'-0"

Project No. 19210.01

Date 24 JAN 1992

B2 BULLETIN

Drawing No. M2.4B

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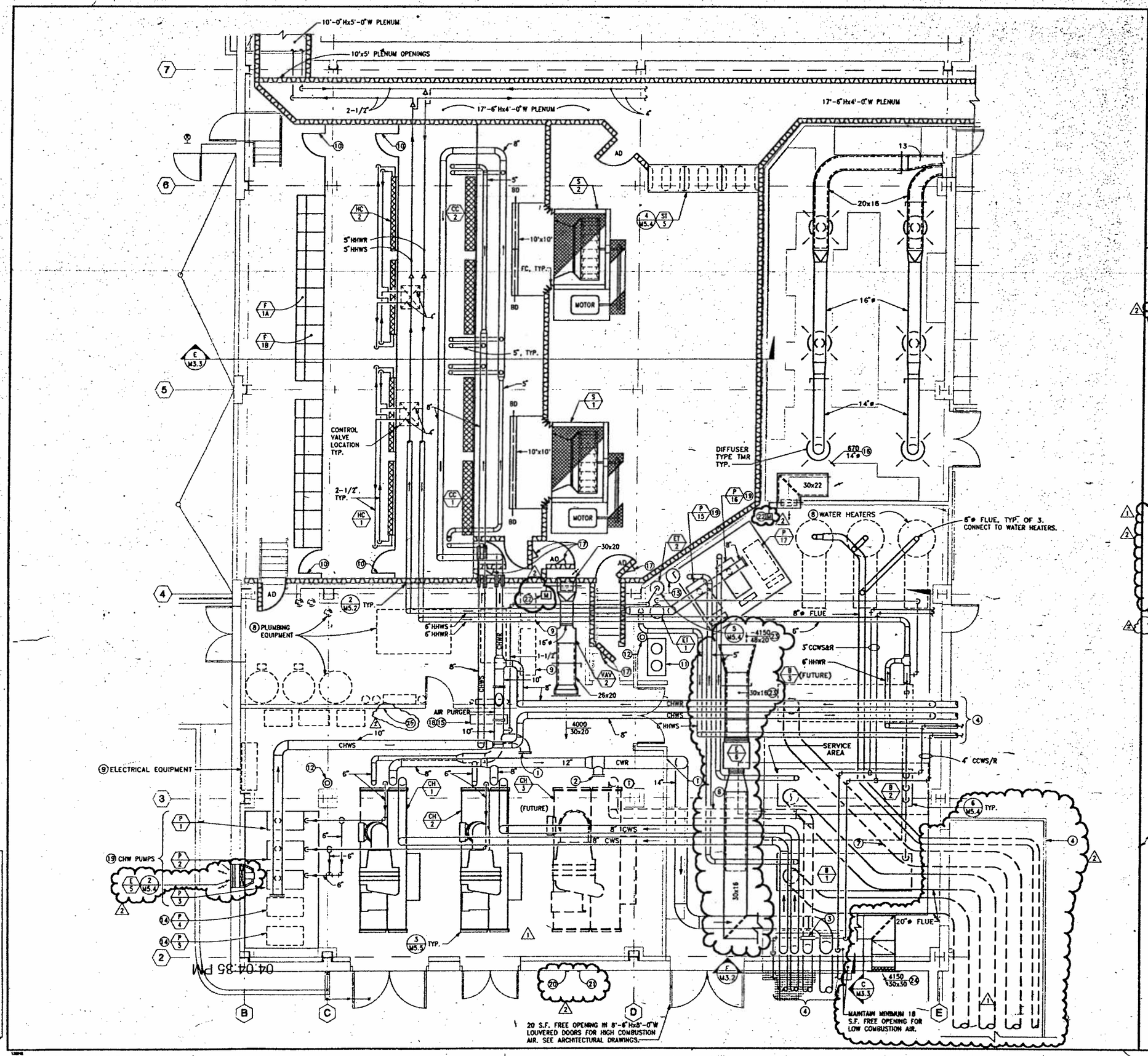
4561; 10-16-91; M2_4B: EMR/AB/DW/SY
4[illegible]; 12-17-90; ROOFB: EMR



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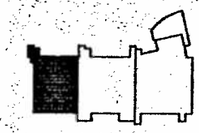

SHEET NOTES

1. 8" CHWR CAPPED FOR FUTURE CONNECTION TO CH-3.
2. 12" CWR CAPPED FOR FUTURE CONNECTION TO CH-3.
3. 12" CWS CAPPED FOR FUTURE CONNECTION TO CH-3.
4. BOILER FLUES IN FIRE RATED ENCLOSURE ABOVE CORRIDOR. ENCLOSURE CONTINUES TO BOILER FLUE SHAFT. SEE SHEET M2.1A FOR CONTINUATION. SEE ARCH. DWGS FOR RATED ENCLOSURE.
5. 6" HHWR CAPPED FOR FUTURE CONNECTION TO B-3.
6. LOCATION OF FUTURE 12" CWS SERVING CH-3.
7. LOCATION OF FUTURE 20"ø FLUE SERVING B-3.
8. SEE PLUMBING DRAWINGS.
9. SEE ELECTRICAL DRAWINGS.
10. PLENUM DOOR. SEE DETAIL 3/M5.1.
11. AUTOMATIC COOLING TOWER WATER TREATMENT SYSTEM.
12. CHEMICAL FEED POT.
13. AIR SEPARATOR. SEE DETAIL 9/M5.4.
14. FUTURE.
15. TEMPERATURE CONTROL PANEL.
16. TYPICAL OF 6.
17. PROVIDE 12x12 ACCESS DOOR WITH HANDLE ON BOTH SIDES.
18. PROVIDE DRIP PAN UNDER PIPES LOCATED OVER TEMPERATURE CONTROL PANEL.
19. SEE DETAIL 2/M5.5.
20. REFRIGERATION ROOM EMERGENCY VENTILATION SWITCH. PROVIDE LABEL STATING "EMERGENCY VENTILATION SWITCH". LETTERS SHALL BE 3/4" HIGH. MOUNT SWITCH 4'-6" ABOVE GRADE.
21. EMERGENCY REFRIGERATION CONTROL SWITCH. PROVIDE LABEL STATING "EMERGENCY REFRIGERATION SWITCH". LETTERS SHALL BE 3/4" HIGH. MOUNT SWITCH 4'-6" ABOVE GRADE.
22. COMBINATION SMOKE/FIRE DAMPER.
23. MOUNT DUCT/FAN 7'-0" A.F.F. MIN.
24. SEE ARCH. DRAWINGS FOR LOUVER AND LOCATION OF LOUVER.
25. FIRE RATED PARTITION BETWEEN MACHINERY ROOM AND PLUMBING ROOM.

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Kaiser Permanente Medical Care Program
Southern California Region

PARTIAL PLANS

Scale: 1/4"=1'-0"

Project No. 19210.01

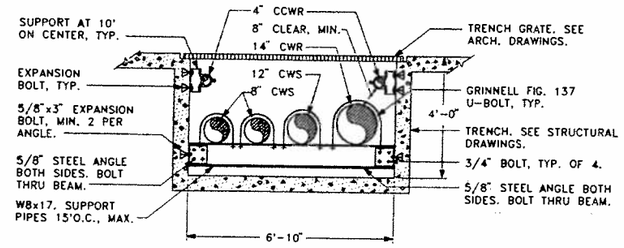
Date 24 JAN. 1992

B2 BULLETIN

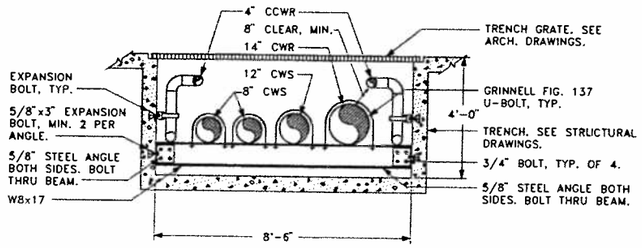
Drawing No. M3.1

000772

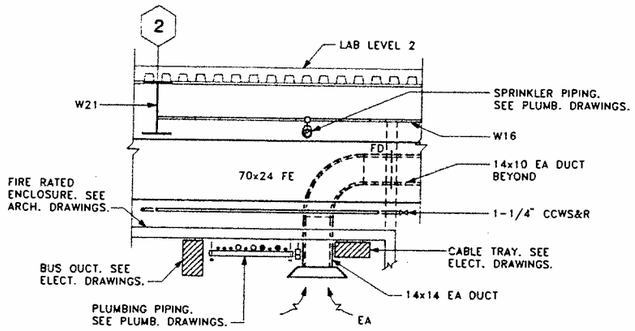
4561; 10-16-91; M3_1; EMR; SY
4561; 10-16-91; A3_1; EMR; SY



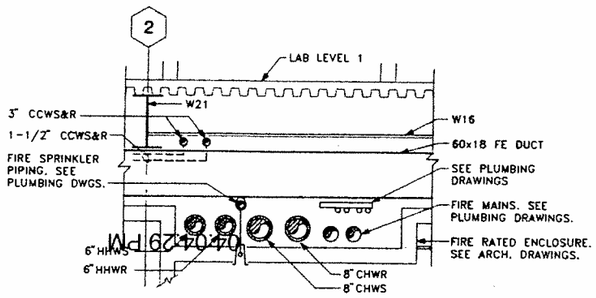
D TRENCH AT MECHANICAL YARD
SCALE: 1/2" = 1'-0"



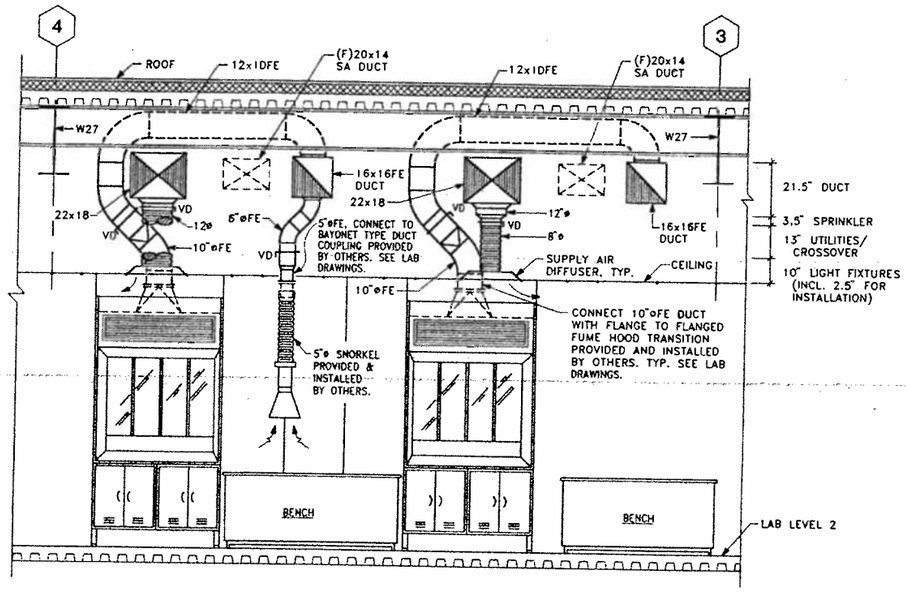
E TRENCH AT MECHANICAL YARD
SCALE: 1/2" = 1'-0"



F SERVICE CORRIDOR AT EXHAUST AIR SHAFT
SCALE: 1/2" = 1'-0"

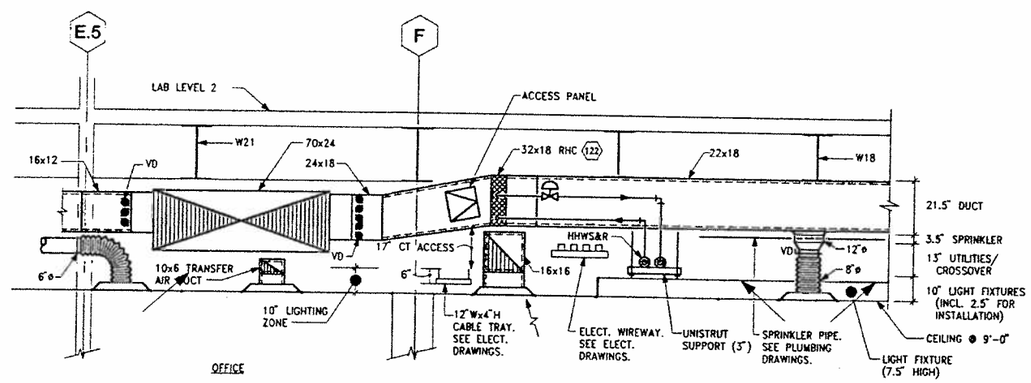


G EAST CROSS CORRIDOR AT EXHAUST AIR SHAFT
SCALE: 1/2" = 1'-0"



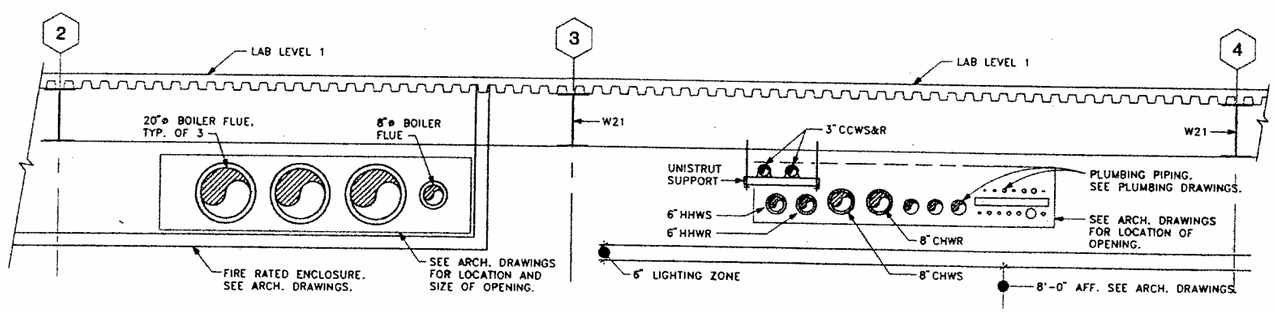
NOTE: SECTION SIMILAR FOR ALL LAB MODULES.

A LAB SECTION AT COLUMN LINE J.5
SCALE: 1/2" = 1'-0"



NOTE: SECTION SIMILAR FOR ALL LAB MODULES.

B LAB SECTION NEAR COLUMN LINE 6
SCALE: 1/2" = 1'-0"



C PENETRATION THRU SHEAR WALL AT COLUMN LINE E
SCALE: 1/2" = 1'-0"

000773

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Revisions

No.	Date

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood-Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

SECTIONS

Scale: AS SHOWN

Project No. 19210.01

Date 11 APR 91

B BIDDING

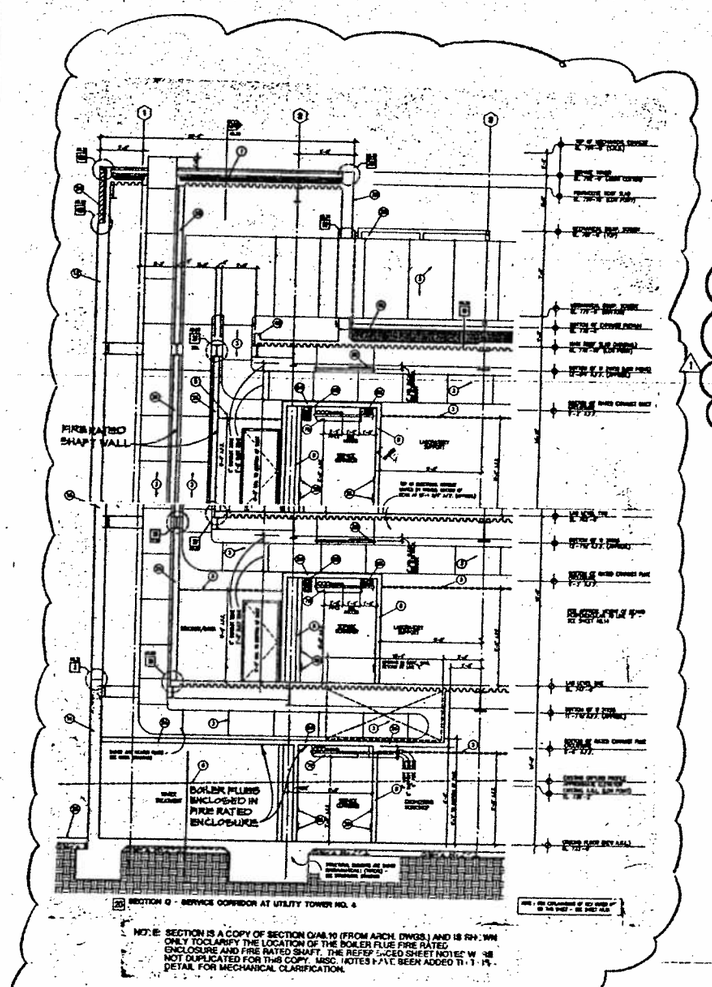
Drawing No. M3.2

NO.	DWG. TITLE	NOTES

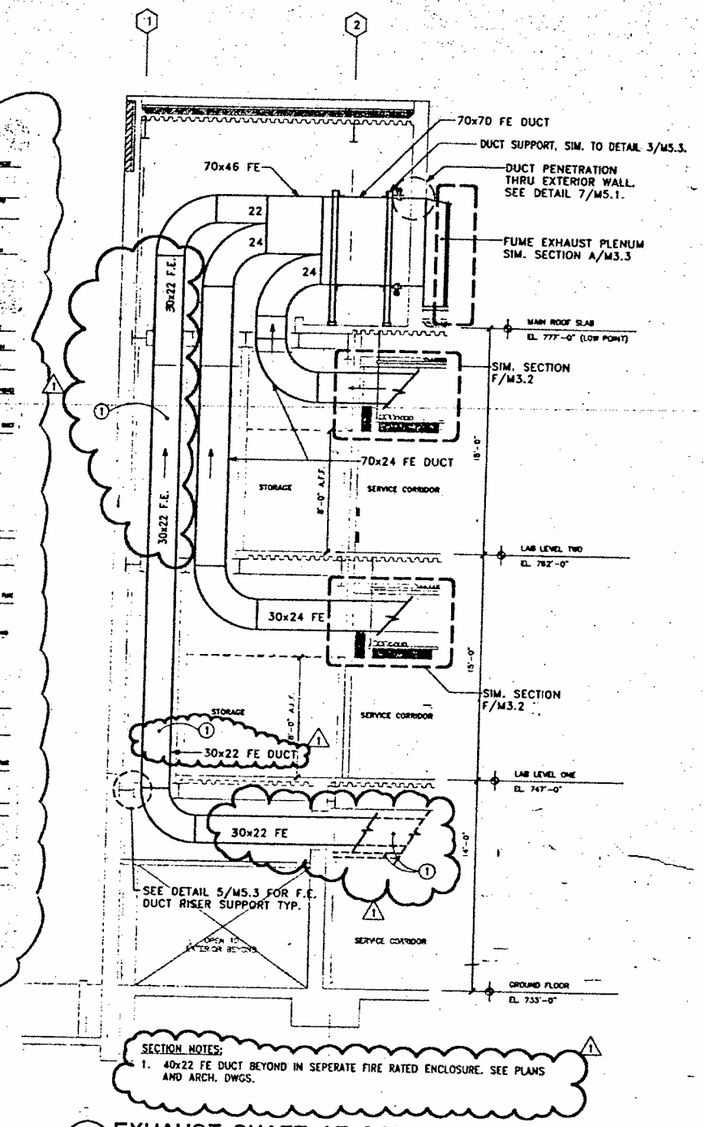
PROJECT NO. 19210.01

4561; 4-9-91; M3_2; DK,ER

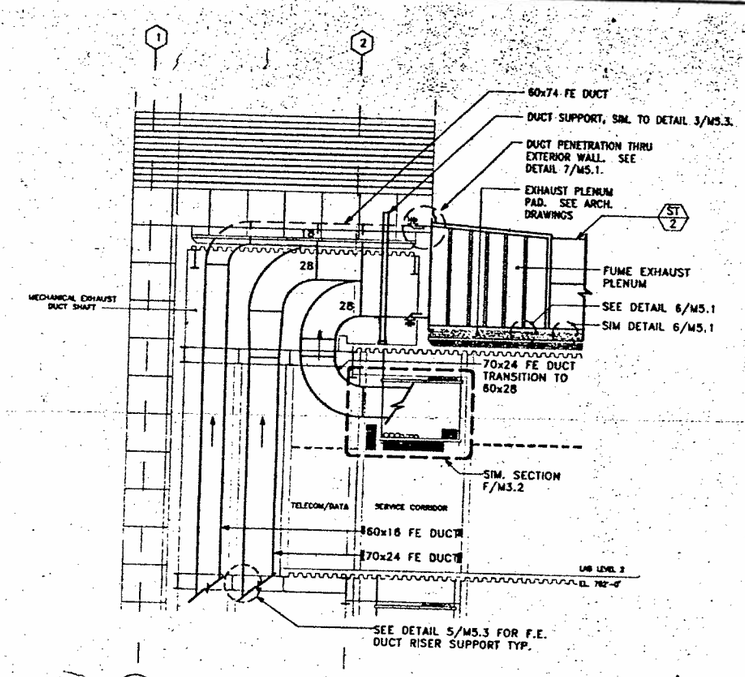
1300-09



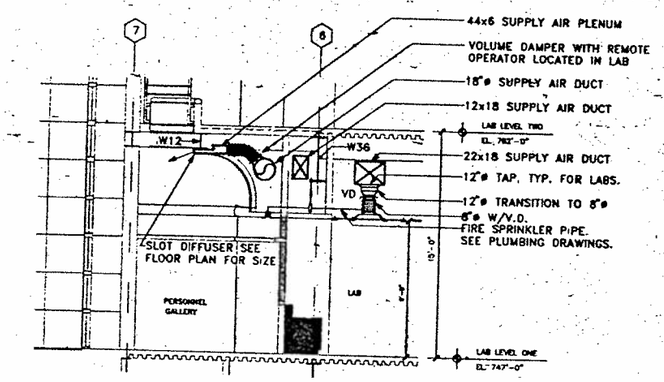
F BOILER FLUE IN FIRE RATED SHAFT
SCALE: 3/16" = 1'-0"



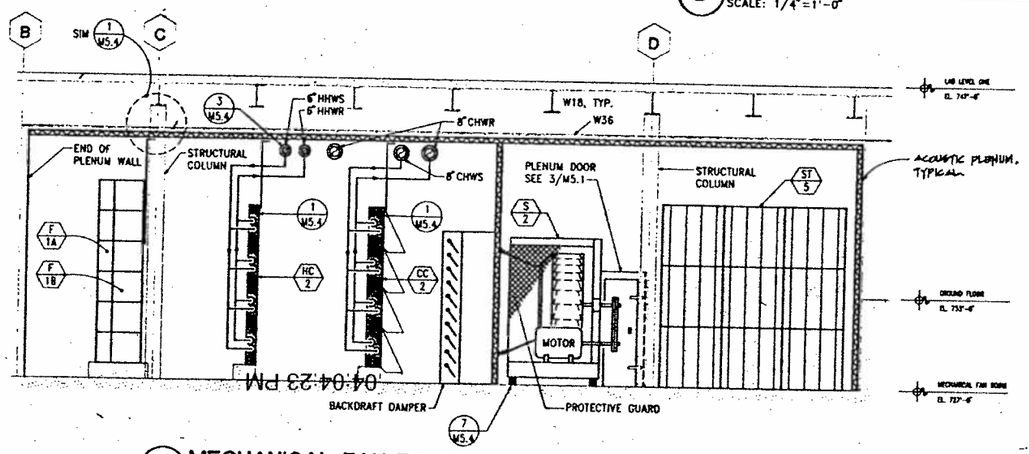
D EXHAUST SHAFT AT COLUMN LINE L.5
SCALE: 1/4" = 1'-0"



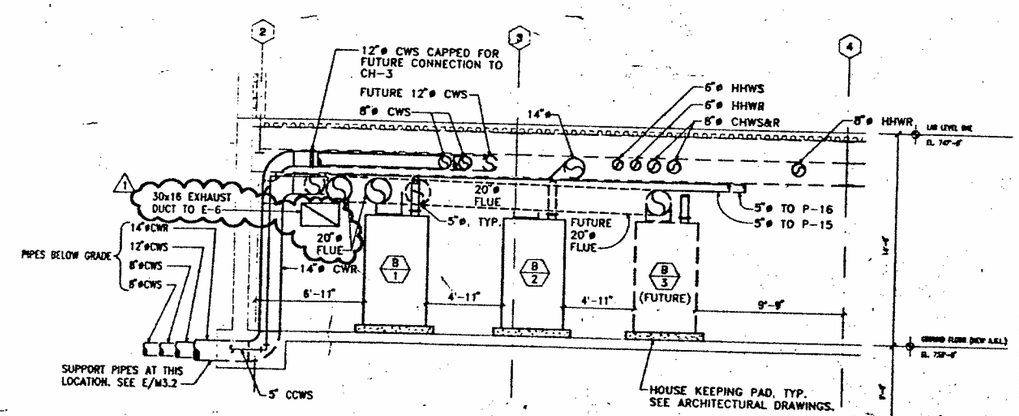
A EXHAUST SHAFT AT COLUMN LINE H.5
SCALE: 1/4" = 1'-0"



B NORTH CORRIDOR AT COLUMN LINE J.5
SCALE: 1/4" = 1'-0"



E MECHANICAL FAN ROOM
SCALE: 1/4" = 1'-0"



C BOILER ROOM AT COLUMN LINE-E
SCALE: 1/4" = 1'-0"

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Revisions

No.		Date
1	BULLETIN NO. 2	

Regional Reference Laboratory
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North Hollywood-Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

SECTIONS

Scale: AS SHOWN

Project No. 19210.01

Date 24 JAN 1992

B2 BULLETIN

Drawing No. M3.3

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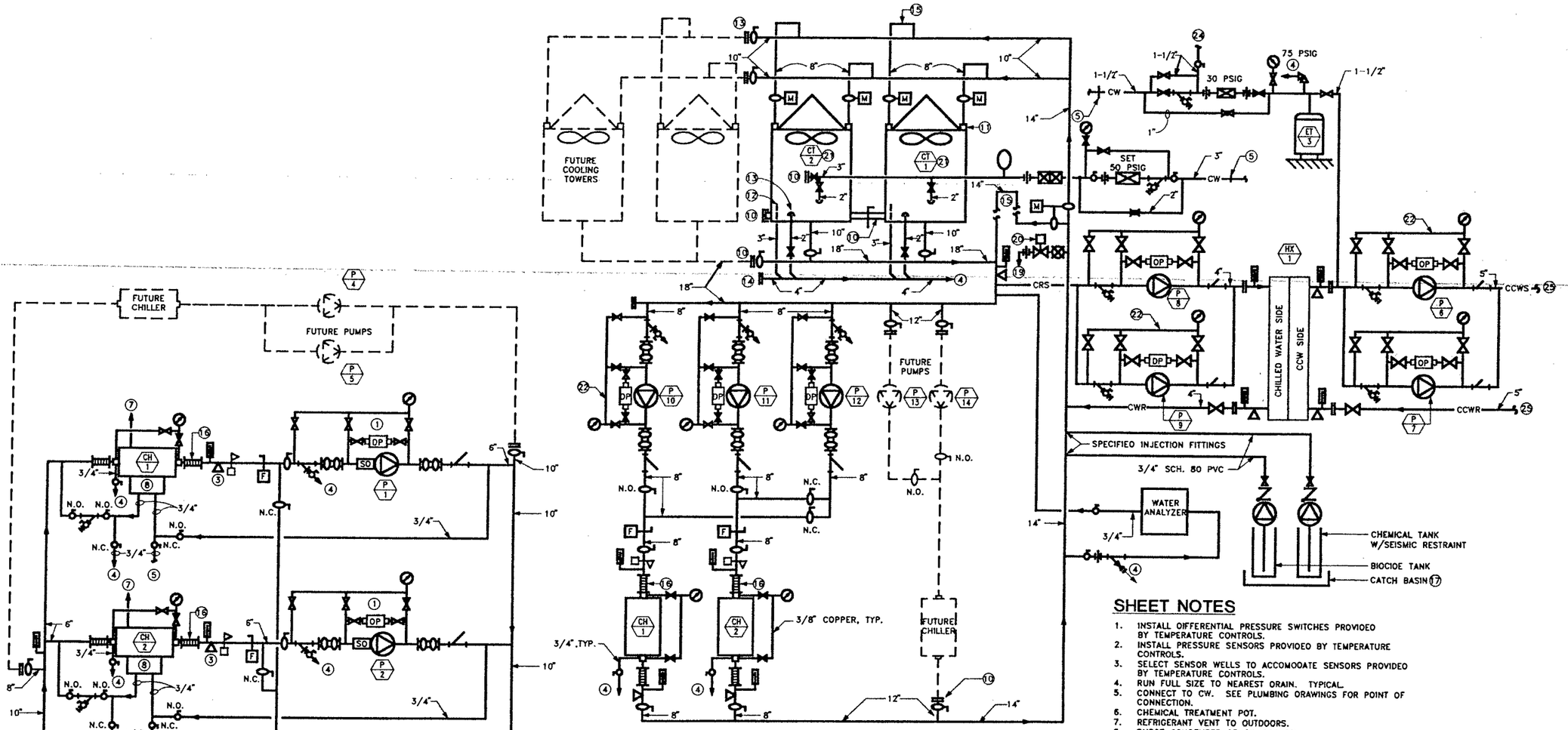
PROJECT NO. 19210.01

"FOLIAR" TITLE

FOR TITLE

NOTES

4561: 10-16-91; M3_3; DK, SY



CONDENSER WATER PIPING DIAGRAM

CHILLED WATER PIPING DIAGRAM

SHEET NOTES

1. INSTALL DIFFERENTIAL PRESSURE SWITCHES PROVIDED BY TEMPERATURE CONTROLS.
2. INSTALL PRESSURE SENSORS PROVIDED BY TEMPERATURE CONTROLS.
3. SELECT SENSOR WELLS TO ACCOMODATE SENSORS PROVIDED BY TEMPERATURE CONTROLS.
4. RUN FULL SIZE TO NEAREST DRAIN. TYPICAL.
5. CONNECT TO CW. SEE PLUMBING DRAWINGS FOR POINT OF CONNECTION.
6. CHEMICAL TREATMENT POT.
7. REFRIGERANT VENT TO OUTDOORS.
8. PURGE CONDENSER OR OIL COOLER.
9. SEE FLOOR PLANS FOR LOCATION.
10. FOR FUTURE EXPANSION. TERMINATE WHERE SHOWN ON FLOOR PLANS.
11. FLOW CONTROL VALVE PROVIDED WITH COOLING TOWER.
12. OVERFLOW.
13. DRAIN.
14. CLEAN OUT.
15. ANTI-SYPHON LOOP.
16. 5 GROOVED JOINT COUPLINGS IN SERIES.
17. VOLUME TO BE SUFFICIENT TO HOLD VOLUME OF FLUIDS. TANK TO BE STAINLESS STEEL WITH ALL WELDED SEAMS.
18. VENT AT ALL HIGH POINTS, TYPICAL.
19. TO FLOOR SINK DRAIN.
20. CW CHEMICAL TREATMENT SYSTEM BLOWDOWN VALVE.
21. SEE 11/M5.2 FOR SAND FILTER PIPING.
22. 3/8" COPPER, TYPICAL ALL PUMPS.
23. COLD WATER CONNECTION TO ET-3. SEE SHEET NOTE 24.
24. COLD WATER CONNECTION TO ET-2. SEE SHEET NOTE 23.
25. SEE FLOOR PLANS FOR SIZES.
26. SPECIFIED FLUME.

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PIPING DIAGRAMS

Scale: NONE

Project No. 19210.01	B BIDDING	Drawing No. M4.1
Date 11 APR 91		

000775

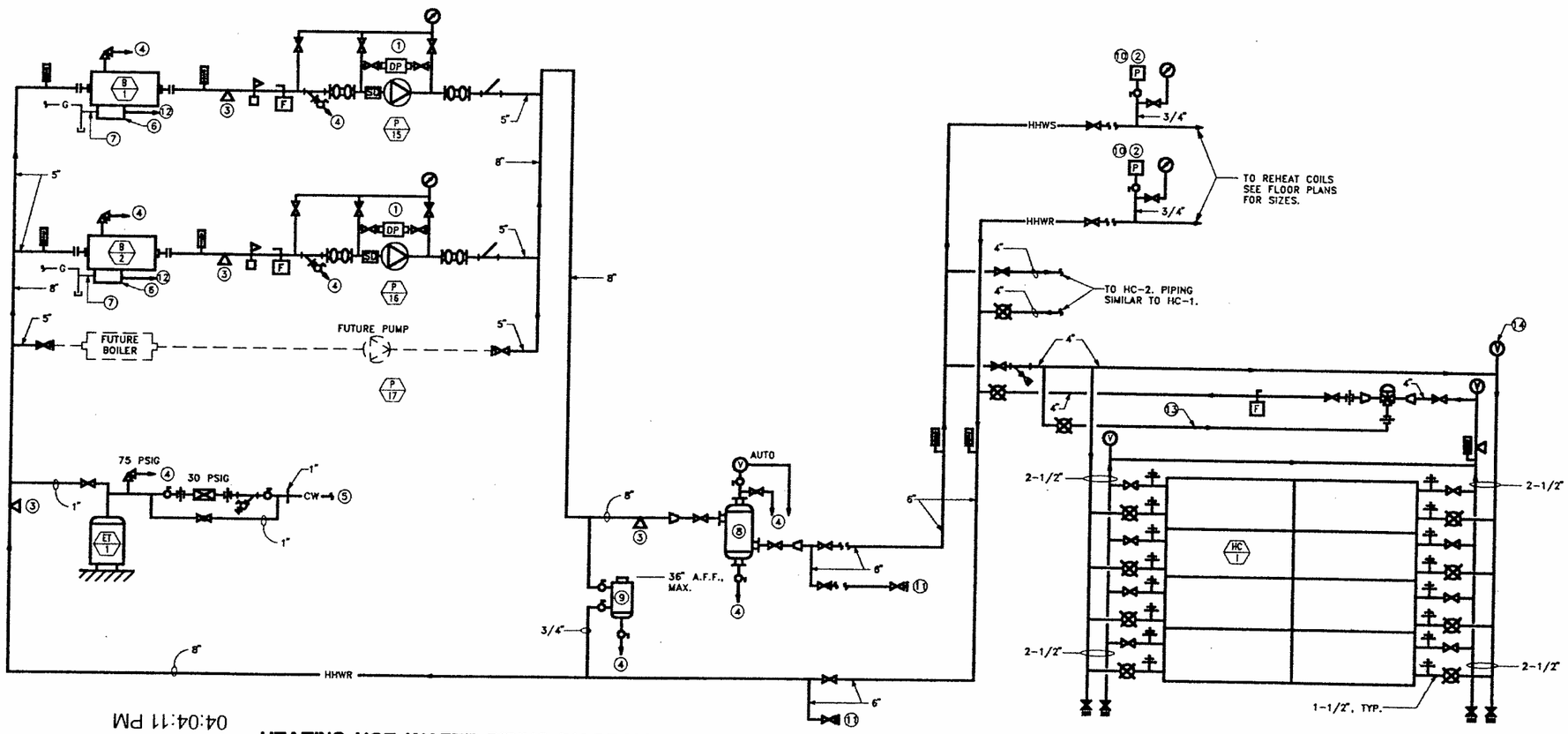
1300-09

4561; 2-21-91; M4_1; EMR/AB, SY

153

SHEET NOTES

1. INSTALL DIFFERENTIAL PRESSURE SWITCHES PROVIDED BY TEMPERATURE CONTROLS.
2. INSTALL PRESSURE SENSORS PROVIDED BY TEMPERATURE CONTROLS.
3. SELECT SENSOR WELLS TO ACCOMODATE SENSORS PROVIDED BY TEMPERATURE CONTROLS.
4. RUN TO NEAREST DRAIN. TYPICAL.
5. CONNECT TO CW. SEE PLUMBING DRAWINGS FOR POINT OF CONNECTION.
6. BOILER GAS TRAIN.
7. GAS CONNECTION BY PLUMBING.
8. 6" AIR SEPARATOR.
9. CHEMICAL TREATMENT POT.
10. SEE FLOOR PLANS FOR LOCATION.
11. FOR FUTURE EXPANSION. TERMINATE WHERE SHOWN ON THE FLOOR PLANS.
12. REGULATOR VENTS TO OUTDOORS. SEE PLUB. DWGS FOR CONTINUATION.
13. FULL SIZE OF BYPASS PORT OF CONTROL VALVE. OMIT AT HC-2.
14. VENT AT ALL HIGH POINTS, TYPICAL.



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HEATING HOT WATER PIPING DIAGRAM

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PIPING DIAGRAMS

Scale: NONE

Project No. 19210.01	B BIDDING	Drawing No. M4.2
Date 11 APR 91		

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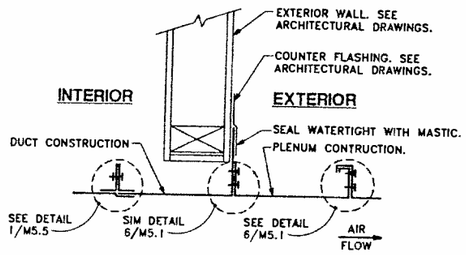
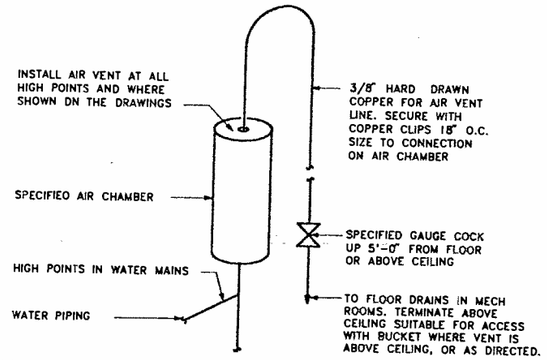


NOTE: 1. DETAIL TYP. FOR TOP & 2 SIDES.
2. EXTEND BOTTOM SIDE OF DUCT DOWN TO FLOOR OF PLENUM. CONNECTION SIM TO DETAIL 6/M5.1.

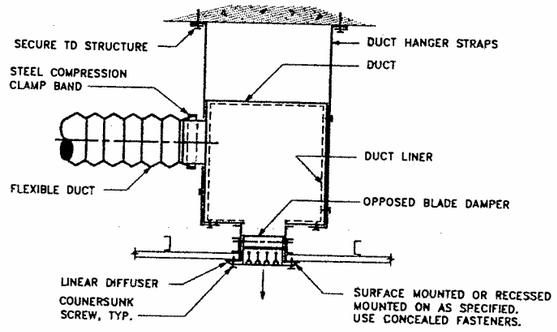
7 FUME EXHAUST DUCT THRU EXTERIOR WALL

NOT TO SCALE



4 MANUAL AIR VENT DETAIL

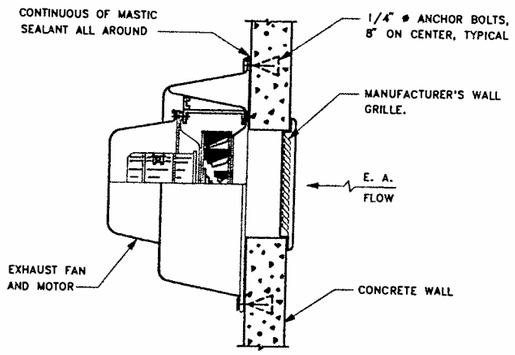
NOT TO SCALE



NOTES: SEE PLANS FOR PLENUM AND FLEXIBLE DUCT SIZES.

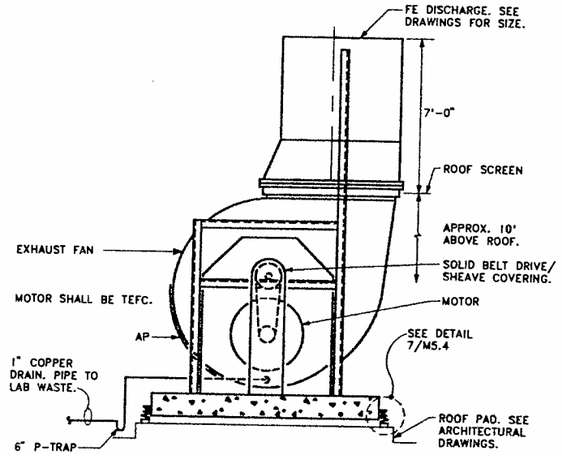
1 LINEAR DIFFUSER MOUNTING

NOT TO SCALE



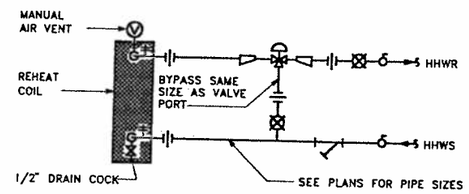
8 EXHAUST FAN ON WALL

NOT TO SCALE



5 FUME EXHAUST FAN ON ROOF

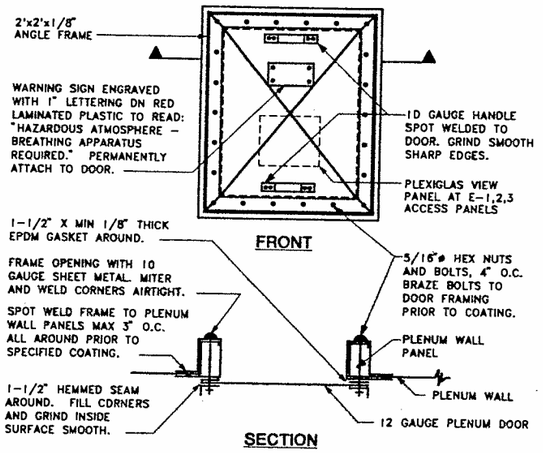
NOT TO SCALE



NOTE: 1. WHEN COIL AND ALL BRANCH PIPING IS BELOW HHW MAINS, OMIT VENTS.
2. DELETE BYPASS WHERE 2-WAY VALVES ARE USED. PIPING TO COLD ROOM CONDENSER UNITS SIM. DELETE CONTROL VALVE. PROVIDE METAL FLEXIBLE CONNECTOR AT POINT OF CONNECTION TO CONDENSING UNIT. SIM FOR AC-3,4 WATER COOLED CONDENSING UNIT.

2 PIPING AT REHEAT COIL

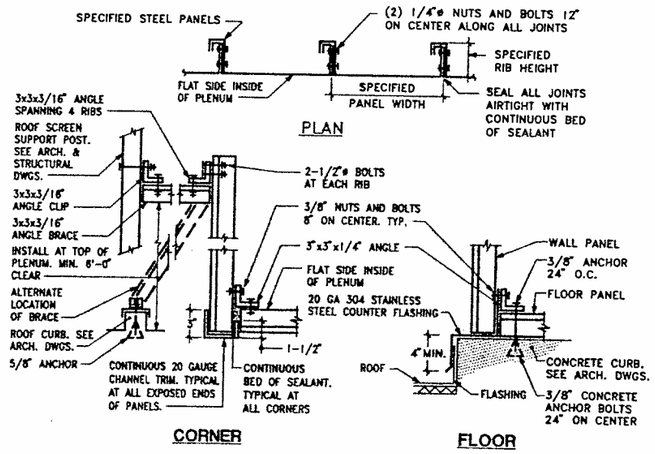
NOT TO SCALE



NOTES: 1. DOOR ASSEMBLY SHALL BE 100% AIRTIGHT WHEN CLOSED.
2. DOORS SHALL BE 24" X 60" UNLESS SHOWN OTHERWISE.
3. ENTIRE PLENUM DOOR SHALL BE COATED INSIDE AND OUTSIDE AFTER FABRICATION AS SPECIFIED FOR FUME EXHAUST DUCTS.
4. ACCESS PANEL FOR FUME EXHAUST DUCT SHALL BE SIMILAR TO 18" X 18" SIZE, OR AS NOTED. REINFORCE DUCT OPENING WITH 1"x1"x1/8" ANGLE FRAME WELDED TO OUTSIDE OF DUCT. WELD STUD BOLTS TO DUCT.

9 FUME EXHAUST PLENUM DOOR

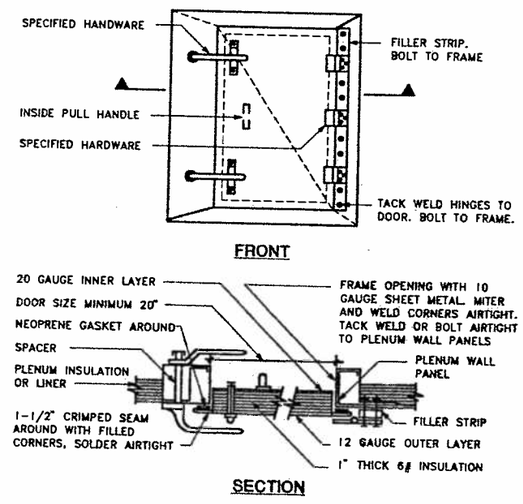
NOT TO SCALE



NOTES: 1. PLENUM WALLS SHALL BE AIRTIGHT. SEALANT AT ALL JOINTS AND WHERE REQUIRED.
2. WHEN USED FOR FUME EXHAUST, ENTIRE PLENUM SHALL BE COATED SAME AS FOR FUME EXHAUST DUCT. JOINTS SHALL BE WELD AND GROUND SMOOTH BEFORE COATING. FIELD JOINTS SHALL BE BOLTED.
3. PITCH ROOFS TO DRAIN.
4. ALL HOLES DRILLED PRIOR TO COATING.
5. ROOF AND FLASHING BY OTHERS. SEE ARCH. DRAWINGS.
6. COUNTERFLASHING IN THIS SECTION.
7. SEE PLANS FOR BRACE LOCATIONS.

6 PLENUM CONSTRUCTION

NOT TO SCALE



NOTES: 1. BOLTED JOINTS SET IN MASTIC FOR AIRTIGHT JOINT.
2. DOORS SHALL BE MINIMUM 2'-6"x7'-0" UNLESS SHOWN OTHERWISE.

3 PLENUM DOOR

NOT TO SCALE

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DETAILS

Scale: AS SHOWN

Project No.		Drawing No.
19210.01	B	M5.1
Date 11 APR 91	BIDDING	

PROJECT NO. 19210.01

NO.	DWG. TITLE	NOTES

1" TITLE

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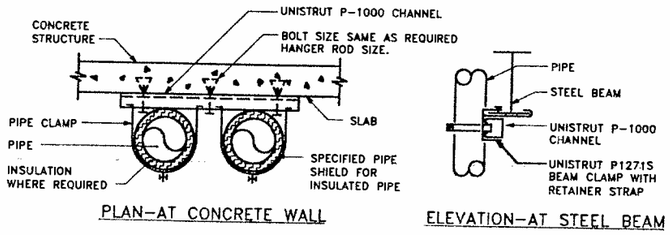
4561; 1-21-91; M5_1; EMR
4561; 4-08-91; M5-1; DW

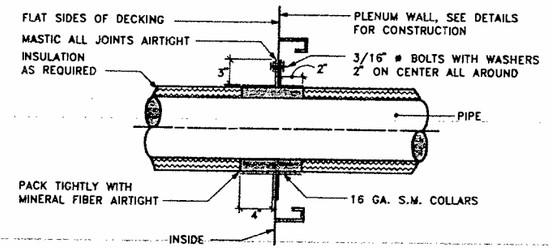


PLAN–AT CONCRETE WALL

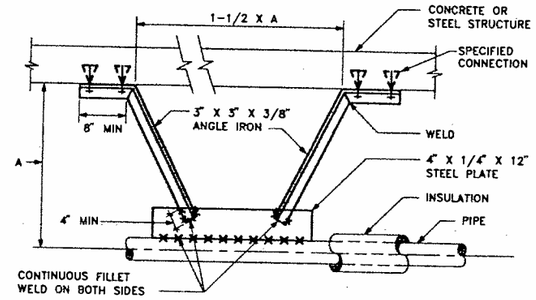
ELEVATION–AT STEEL BEAM

NOTES: 1. ANCHOR BOLT OR BEAM CLAMP AT ENDS OF UNISTRUT AND BETWEEN EACH PIPE.
2. PIPE SUPPORT IS FOR PIPES 4" AND UNDER.

8 PIPE SUPPORT ON WALL
NOT TO SCALE

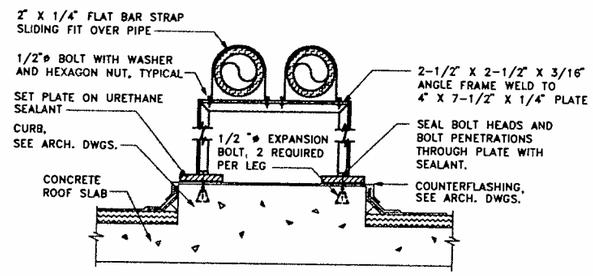


5 PIPE THRU PLENUM WALL
NOT TO SCALE



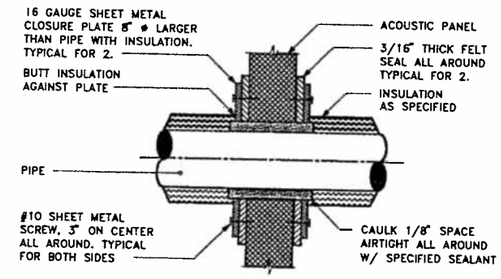
NOTE: 1. CONNECTION:
a) TO STEEL – WELD CONTINUOUSLY
b) TO CONCRETE AND STEEL DECK – 5/8"øx4" LONG ANCHORS. FOUR PER LEG.

1 PIPE ANCHOR
NOT TO SCALE

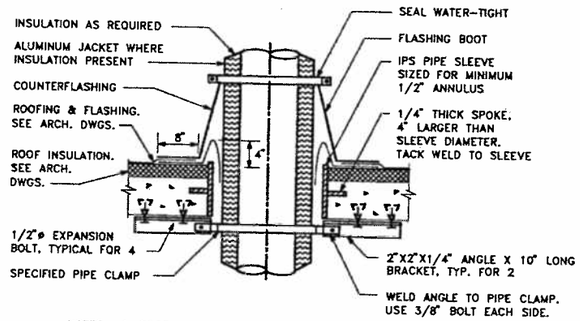


NOTES: 1. INSTALL SUPPORTS AT BEGINNING AND TERMINATION OF PIPE RUNS ON ROOF AND 10'-0" ON CENTER MAXIMUM.
2. HOT DIP GALVANIZE ALL STEEL AFTER FABRICATION.
3. ROOFING, FLASHING AND COUNTERFLASHING BY OTHERS. SEE ARCHITECTURAL DRAWINGS.

6 PIPE SUPPORT ON ROOF CURB
NOT TO SCALE

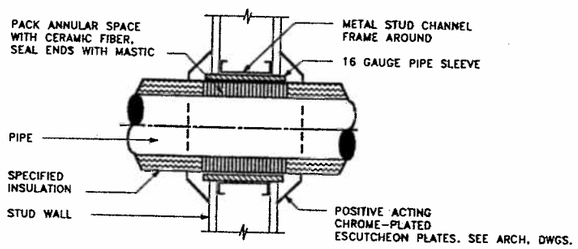


2 PIPE THROUGH ACOUSTIC PANEL
NOT TO SCALE



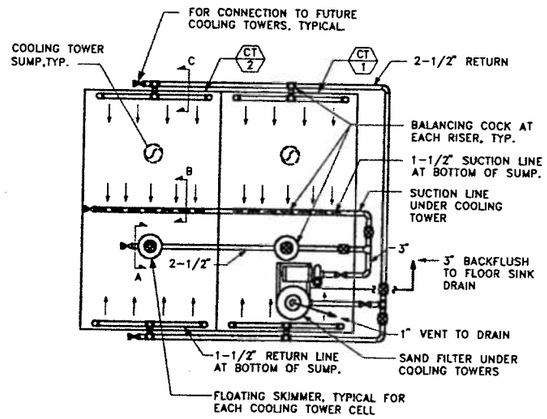
NOTES: 1. ROOFING, FLASHING AND COUNTERFLASHING BY OTHERS. SEE ARCHITECTURAL DRAWINGS.

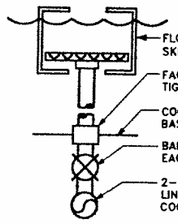
3 PIPE THRU ROOF
NOT TO SCALE



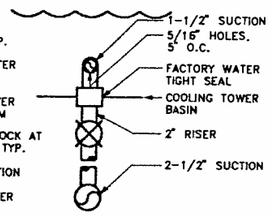
NOTES: 1. OMIT ESCUTCHEON PLATES FOR CONCEALED PIPES.
2. SEE SPECIFICATIONS FOR SPECIFIC FIRE PROTECTION REQUIREMENTS FOR VARIOUS PIPE MATERIALS, PIPE SIZES AND WALL CONSTRUCTIONS.

4 PIPE THRU STUD WALL
NOT TO SCALE

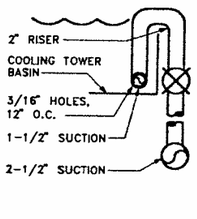




SECTION A



SECTION B



SECTION C

NOTES: 1. BASIN PENETRATIONS TO BE MADE WATER-TIGHT, AND ALL PIPE SUPPORTS WITHIN THE TOWER.
2. TO BE PREINSTALLED AT THE FACTORY.
3. LENGTH OF SUCTION AND RETURN PIPING AND SIZE, LOCATION AND ORIENTATION OF HOLES IN PIPING LOCATED IN THE BASIN AS RECOMMENDED BY THE MANUFACTURER.

7 SAND FILTER PIPING DETAIL
NOT TO SCALE

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Revisions
No. | Date

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood–Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

DETAILS

Scale: AS SHOWN

Project No. 19210.01

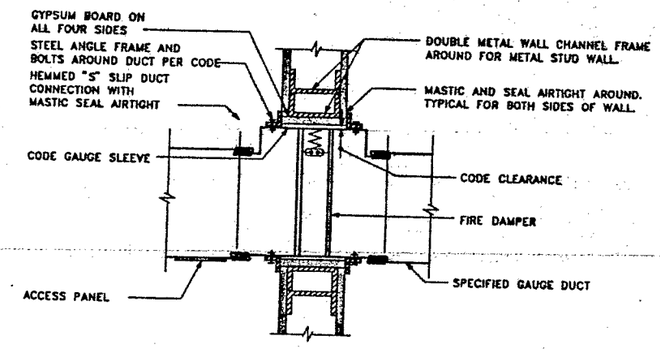
Date 11 APR 91

B BIDDING

Drawing No. M5.2

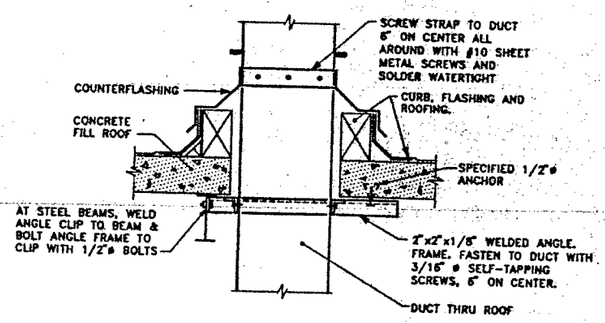
000778

4561; 1-21-91; M5_2; DK
4561; 4-07-91; M5-2; DW



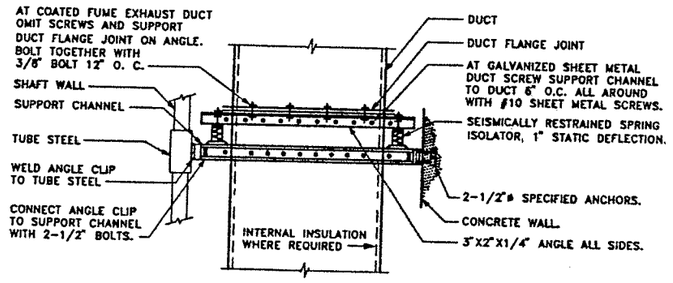
NOTES: 1. DAMPER INSTALLATION SHALL BE PER MANUFACTURER'S RECOMMENDATION, AND SHALL COMPLY WITH CALIFORNIA STATE FIRE MARSHAL'S LISTING, NFPA 90A, AND L. A. CITY & COUNTY CODES.
2. DETAIL SIMILAR FOR TYPE A,B & C FIRE DAMPERS.

4 FIRE DAMPER IN DUCT THROUGH WALL
NOT TO SCALE



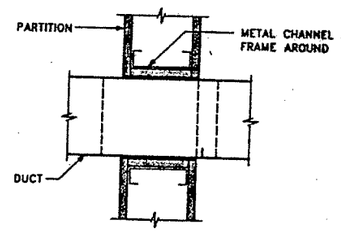
NOTES: 1. ROOFING, FLASHING, AND COUNTERFLASHING BY OTHERS. SEE ARCHITECTURAL DRAWINGS.

1 DUCT THROUGH ROOF
NOT TO SCALE



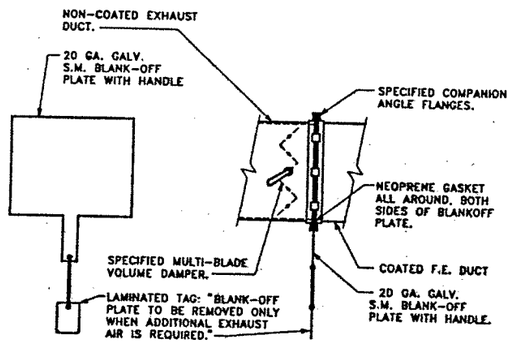
NOTES: 1. SEE STRUCTURAL DRAWINGS FOR STRUCTURAL ELEMENTS.
2. SUPPORT AT EACH FLOOR AND AT TOP OF TOP FLOOR.
3. SIZE SUPPORT ANGLES AS REQUIRED TO SUPPORT WEIGHT OF DUCTWORK.

5 DUCT RISER SUPPORT
NOT TO SCALE

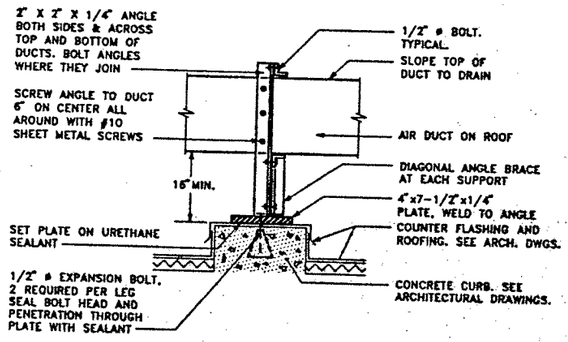


NOTES: 1. DETAIL SIMILAR FOR ALL CONCEALED AND EXPOSED DUCTS THROUGH PARTITION.
2. PROVIDE FIRE DAMPERS WHERE SHOWN AND WHERE REQUIRED.
3. CAULK ALL AROUND, SEE ARCHITECTURAL DRAWINGS.

2 DUCT THRU PARTITION
NOT TO SCALE



6 BLANK-OFF PLATE IN EXHAUST DUCT
NOT TO SCALE



NOTES: 1. SUPPORT DUCT AT 5'-0" ON CENTER MAXIMUM & AT ALL OFFSETS & CHANGES OF DIRECTION.
2. ALL STEEL AND BOLTS HOT-DIPPED GALVANIZED AFTER FABRICATION.
3. SUPPORT OF SOUND TRAP ST-4 SIMILAR.
4. ROOFING, FLASHING AND COUNTERFLASHING BY OTHERS. SEE ARCHITECTURAL DRAWING.
5. FOR FUME EXHAUST DUCTS, USE 2-1/2"X2-1/2"X1/4" ANGLES. SCREW INTO DUCT. WELD BOTTOM ANGLE TO DUCT PRIOR TO COATING.

3 DUCT SUPPORT ON ROOF
NOT TO SCALE

04:03:52 PM

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Revisions

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North Hollywood-Los Angeles, California

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DETAILS

Scale: AS SHOWN

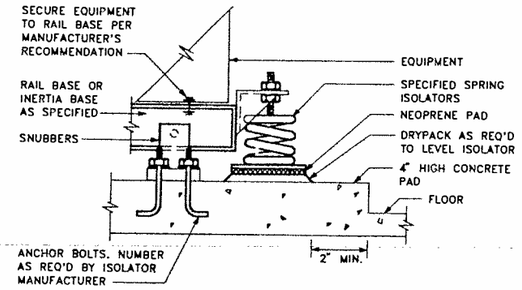
Project No.		Drawing No.
19210.01	B	
Date 11 APR 91	BIDDING	M5.3

000779

PROJECT NO. 19210.01

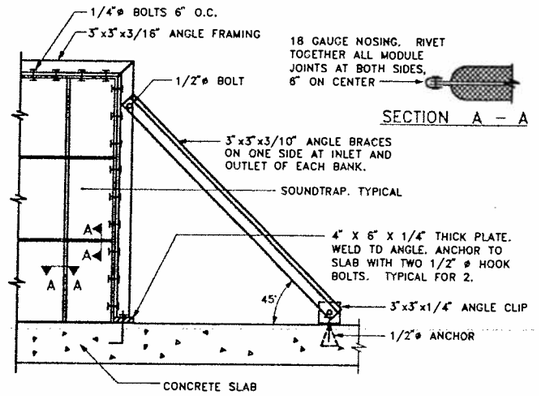
NO.	DATE	TITLE	NOTES

4561; 1-21-91; M5_3; EMR



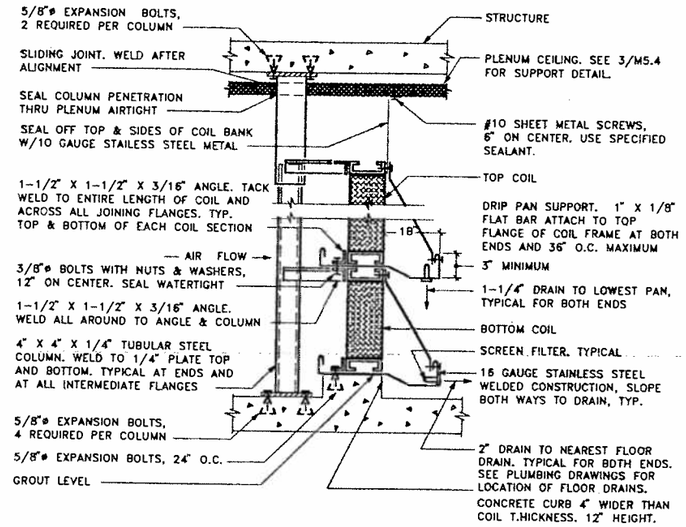
NOTES:
1. SEE SPECIFICATIONS FOR RAIL, INERTIA BASE, VIBRATION ISOLATORS, SNUBBER REQUIREMENTS.
2. PROVIDE 1/4" AIR GAP BETWEEN SEISMIC SNUBBER BARS AND VIBRATION-ISOLATED EQUIPMENT.
3. ALL FLOOR-MOUNTED, VIBRATION-ISOLATED EQUIPMENT SHALL HAVE 1-1/2" MIN. BETWEEN BOTTOM OF INERTIA BASE (OR RAIL) AND TOP OF HOUSEKEEPING PAD.
4. DETAIL SIM. FOR ISOLATED EQUIPMENT ON ROOF. SEE ARCH. DWGS. FOR FLASHING AND COUNTERFLASHING.

7 ISOLATED EQUIPMENT SUPPORT
NOT TO SCALE



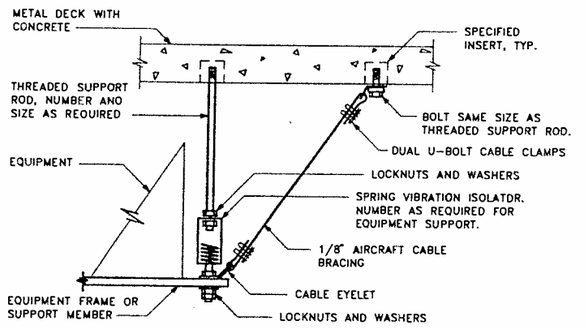
NOTES:
1. AT FUME EXHAUST SOUND TRAPS ELEVATE TRAPS TO MATCH BOTTOM OF PLENUMS.
2. FLASH TRAPS TO CURBS AT ROOF INSULATIONS SIMILAR TO PLENUM DETAIL 5/M5.1.
3. USE 316 STAINLESS STEEL BOLTS AT FUME EXHAUST PLENUMS.
4. SEE PLANS FOR BRACING LOCATIONS.

4 SOUNDTRAP SUPPORT
NOT TO SCALE



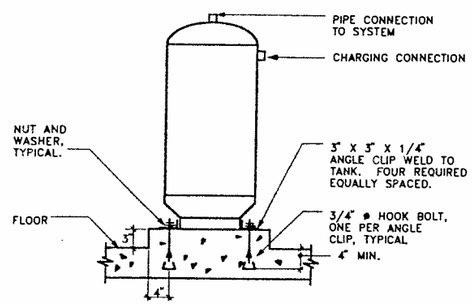
NOTES:
1. SUPPORT OF HEATING COIL SIMILAR EXCEPT DELETE DRAIN PANS.
2. DRAIN PANS REQUIRED FOR EACH COIL SECTION.
3. SEAL COIL BANK AIRTIGHT ALL AROUND.
4. APPLY NON-HAROENING SEALANT TO ALL COIL FLANGE CONTACT SURFACES BEFORE ATTACHMENT.
5. EXTEND DRAIN PANS 6" BEYOND ENDS OF COIL TO COLLECT CONDENSATE.
6. FIELD VERIFY ALL DIMENSIONS BEFORE FABRICATION.

1 COIL BANK SUPPORT
NOT TO SCALE



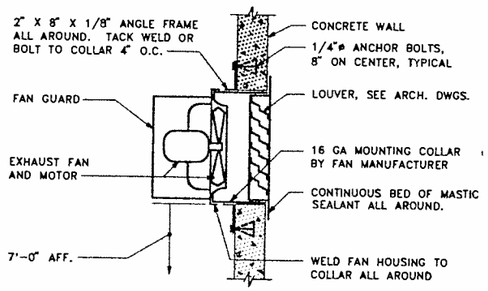
NOTES:
1. PROVIDE SLACK CABLE BRACING AS RECOMMENDED BY VIBRATION ISOLATOR MFR.
2. PROVIDE ADEQUATE CABLE BRACING TO RESIST MOTION IN ALL DIRECTIONS EXCEPT VERTICAL COMPONENT.
3. OPTION - SUPPORT FORM AND BRACE TO STEEL BEAMS.

8 SLACK CABLE BRACING
NOT TO SCALE

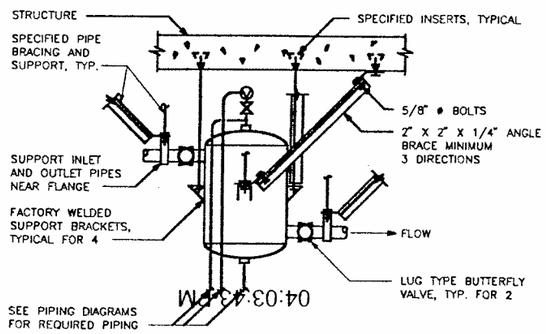


NOTES:
1. DETAIL IS FOR ET-1; OTHER EXPANSION TANKS MAY HAVE 1/2"ø BOLTS TO SLAB.

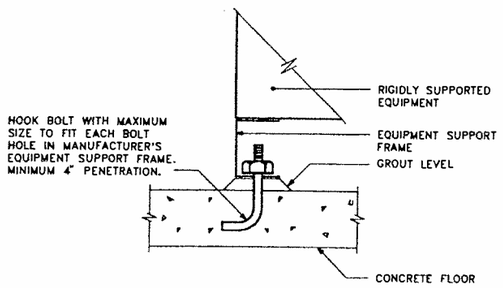
5 EXPANSION TANK SUPPORT
NOT TO SCALE



2 PROPELLER FAN SUPPORT
NOT TO SCALE

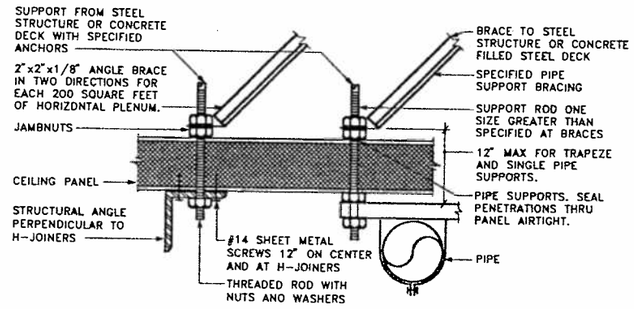


9 AIR SEPARATOR SUPPORT
NOT TO SCALE



NOTE:
1. USE EXPANSION BOLTS AT EXISTING CONCRETE FLOOR.

6 RIGID EQUIPMENT SUPPORT
NOT TO SCALE



NOTES:
1. STRUCTURAL ANGLE, ROD SIZE, AND SPACING AS RECOMMENDED BY PANEL MANUFACTURER.
2. WEIGHT OF PIPE SHALL BE SUPPORTED BY STRUCTURE, NOT BY CEILING.

3 ACOUSTIC PLENUM CEILING SUPPORT
NOT TO SCALE

000780

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DETAILS

Scale: AS SHOWN

Project No. 19210.01
Date 11 APR 91
B BIDDING
Drawing No. M5.4

PROJECT NO. 19210.01
JOB TITLE
NO. DWG TITLE NOTES

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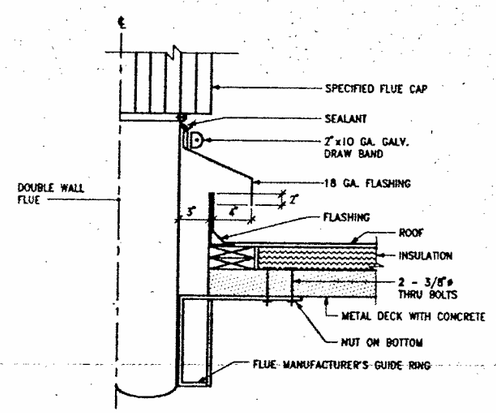
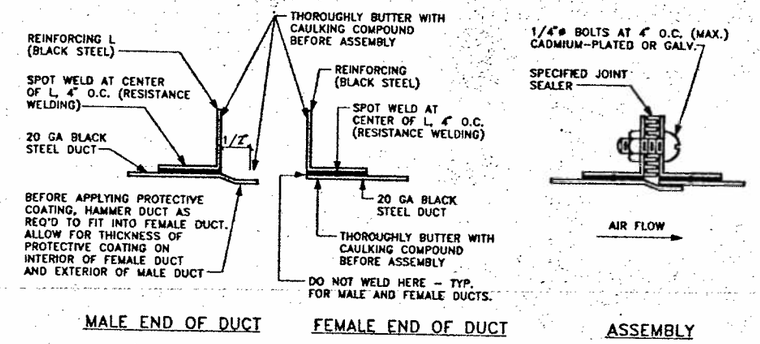
4561; 2-21-91; M5_4; EMR
4561; 4-11-91; M5-4; DW



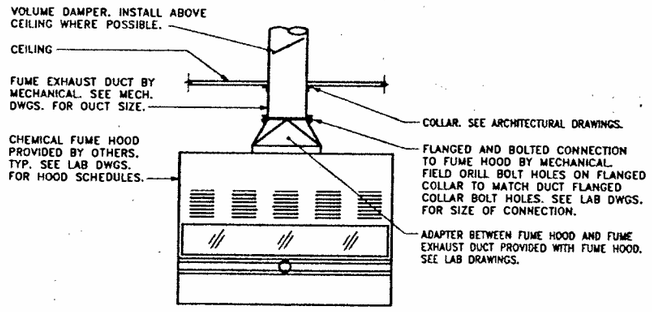
NOTES: 1. OPTION-CONNECT GUIDE RING ASSEMBLY TO ADJACENT STRUCTURAL STEEL.

4 FLUE THRU ROOF
NOT TO SCALE



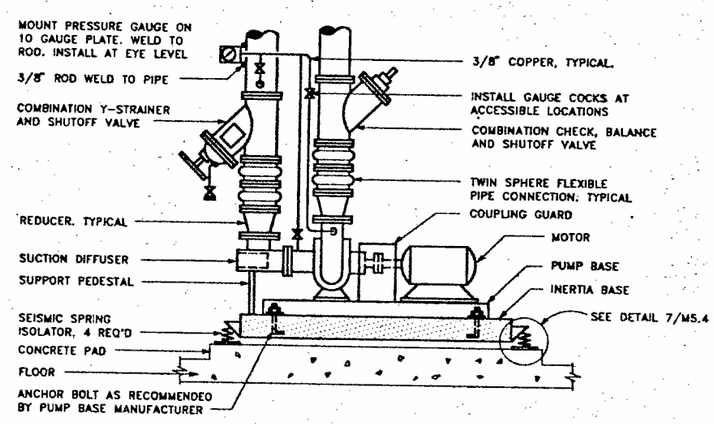
NOTE: 1. ANGLES ROLLED FOR ROUND DUCT INSTALLLATION.
2. SEE SPECIFICATION FOR JOINTS AND REINFORCEMENT SPACING.

1 FUME EXHAUST DUCT JOINTS
NOT TO SCALE



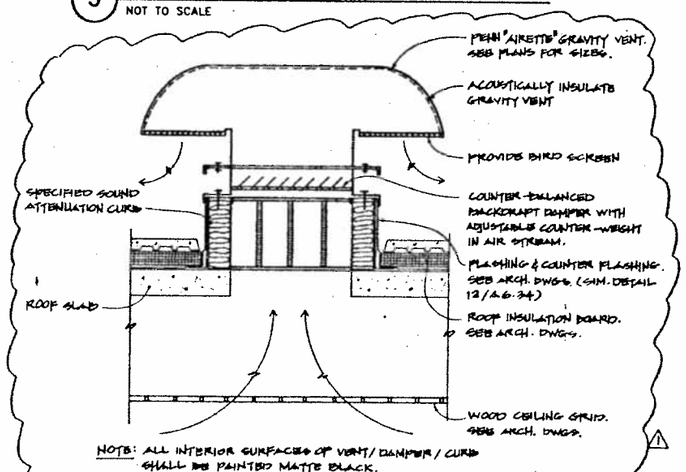
NOTES: 1. CONNECTION DETAIL SIMILAR TO OTHER LAB EQUIPMENT INCLUDING BIOSAFETY CABINETS, CANOPY HOODS, SLOT HOODS, SNORKELS, ETC.
2. LAB EQUIPMENT IS TO HAVE FLANGED CONNECTIONS TRANSITIONING TO DUCT CONNECTION SIZE SHOWN ON THE MECHANICAL DRAWING UNLESS TRANSITIONS ARE SPECIFICALLY SHOWN ON THE MECHANICAL DRAWINGS.

5 CHEMICAL FUME HOOD CONNECTION
NOT TO SCALE



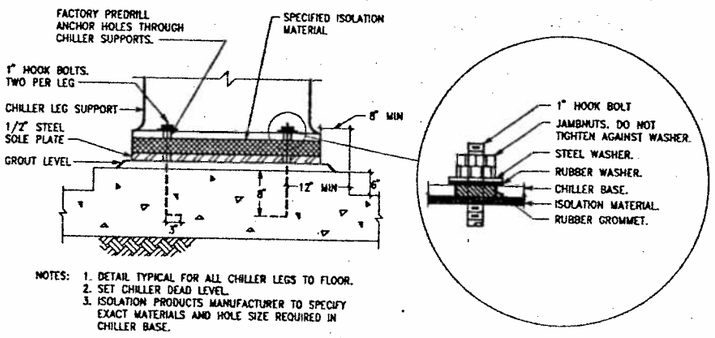
NOTES: 1. SEE ISOLATED EQUIPMENT SUPPORT DETAIL.

2 PUMP MOUNTING DETAIL
NOT TO SCALE



NOTE: ALL INTERIOR SURFACES OF VENT/DAMPER/CURB SHALL BE PAINTED MATTE BLACK.

6 GRAVITY VENTILATOR ON ROOF DETAIL
NOT TO SCALE



NOTES: 1. DETAIL TYPICAL FOR ALL CHILLER LEGS TO FLOOR.
2. SET CHILLER DEAD LEVEL.
3. ISOLATION PRODUCTS MANUFACTURER TO SPECIFY EXACT MATERIALS AND HOLE SIZE REQUIRED IN CHILLER BASE.

3 CHILLER SUPPORT
NOT TO SCALE

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Revisions

No.		Date
1	BULLETIN No. 2	

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Kaiser Permanente
Kaiser Permanente Medical Care Program
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DETAILS

Scale: AS SHOWN

Project No. 19210.01

Date 24 JAN 1992

B2 BULLETIN

Drawing No. M5.5

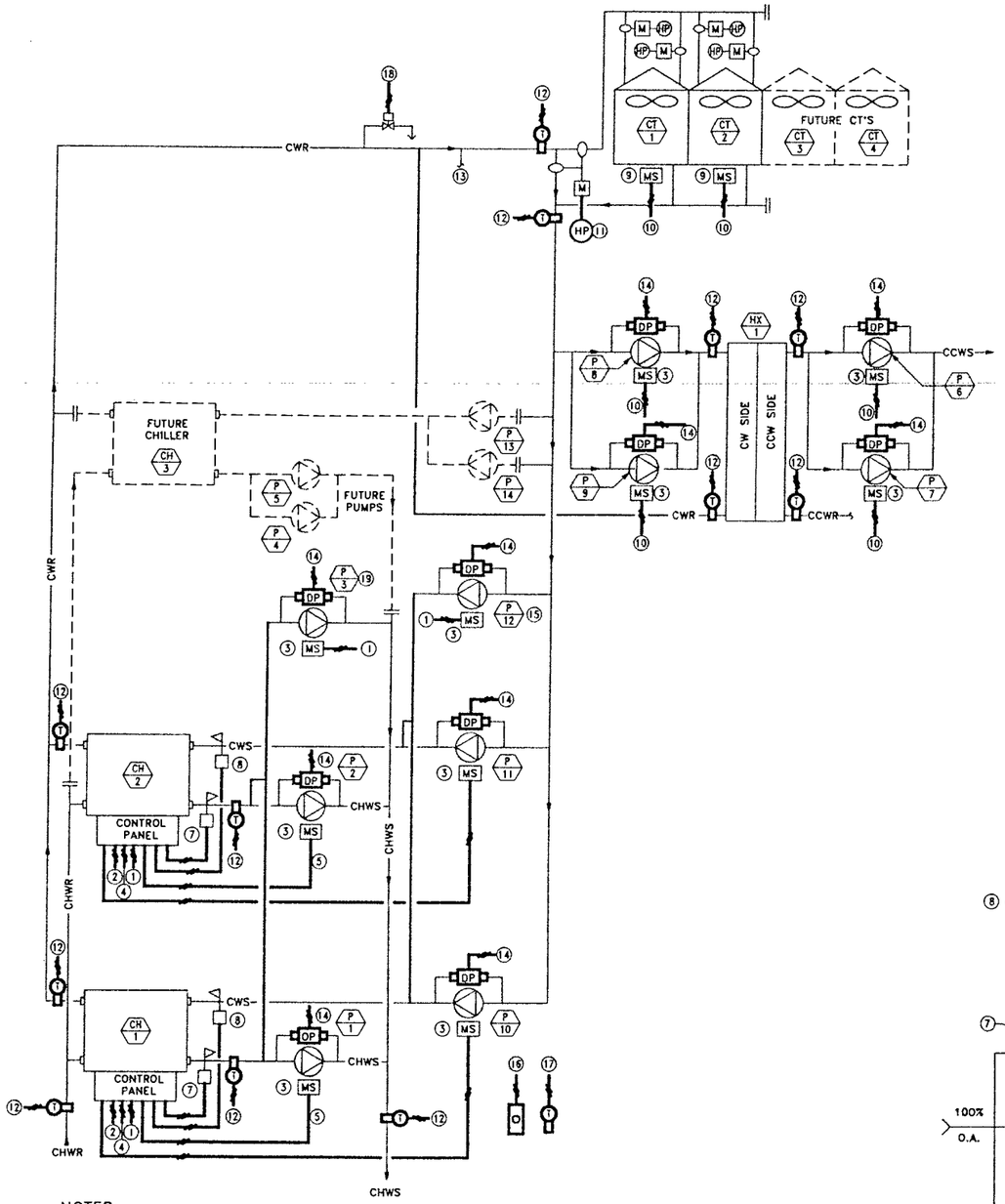
1300-09

PROJECT NO. 19210.01

ASBUILT TITLE

NO.	DWG. TITLE	NOTES

4561; 1-21-91; M5_5; EMR
4561; 4-09-91; M5-5; DW



NOTES:

1. START/STOP SIGNAL.
2. SUMMARY ALARM SIGNAL.
3. PUMP MOTOR STARTER. SEE ELECTRICAL DRAWINGS.
4. SUPPLY WATER TEMPERATURE RESET SIGNAL.
5. INTERLOCK WIRING TO CHILLED WATER PUMP.
6. INTERLOCK WIRING TO CONDENSER WATER PUMP.
7. INTERLOCK WIRING TO CHILLED WATER FLOW SWITCH.
8. INTERLOCK WIRING TO CONDENSER WATER FLOW SWITCH.
9. COOLING TOWER MOTOR STARTER. SEE ELECTRICAL DRAWINGS.
10. COOLING TOWER STAGING CONTROL.
11. CONDENSER WATER BYPASS CONTROL.
12. WATER TEMPERATURE MONITOR.
13. TO HX-1.
14. PUMP RUN STATUS MONITOR.
15. BACKUP TO P-10, 11.
16. EMERGENCY CHILLER ROOM SHUTDOWN.
17. OUTSIDE AIR TEMPERATURE SYSTEMS (FOR SYSTEMWIDE USE).
18. CHEMICAL TREATMENT BLOWDOWN VALVE WIRING TO CHEMICAL TREATMENT SYSTEM.
19. BACKUP TO P-1,2.

GENERAL NOTES:

1. PUMPS P-3/P-12 UNDER MANUAL CONTROL FOR BACKUP.
2. FUTURE CHILLER SYSTEM SIMILAR.
3. PROVIDE CONTROL CAPABILITY FOR FUTURE CHILLERS, PUMPS AND COOLING TOWERS (HARDWARE AND SOFTWARE). SEE SPECIFICATIONS FOR DESCRIPTION OF EQUIPMENT CONTROLS.

CHILLED WATER/CONDENSER WATER SYSTEM

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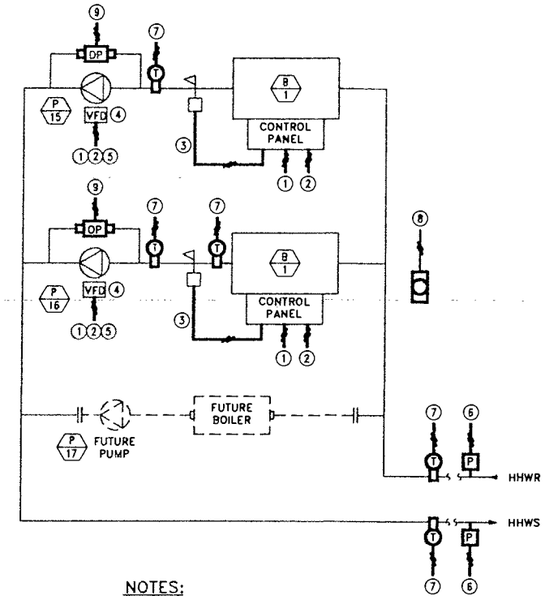
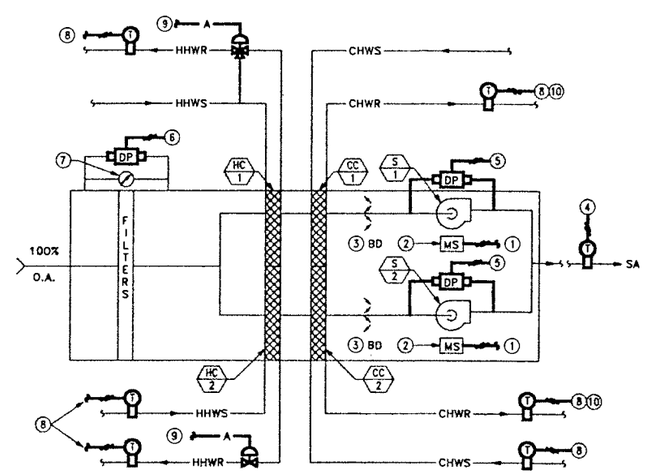


NOTES:

1. START/STOP SIGNAL.
2. SUMMARY ALARM SIGNAL.
3. INTERLOCK FLOW SWITCH.
4. VARIABLE FREQUENCY DRIVE.
5. 4-20 Ma PUMP SPEED/PRESSURE CONTROL.
6. PRESSURE SENSOR SIGNAL.
7. WATER TEMPERATURE MONITOR.
8. BOILER SYSTEM EMERGENCY SHUTDOWN.
9. PUMP RUN STATUS MONITOR.

HEATING HOT WATER SYSTEM



NOTES:

1. START/STOP SIGNAL.
2. FAN MOTOR STARTER, SEE ELECTRICAL DRAWINGS.
3. BAROMETRIC BACKDRAFT DAMPER.
4. SUPPLY AIR TEMPERATURE MONITOR.
5. FAN RUN STATUS MONITOR.
6. FILTER RESISTANCE MONITOR.
7. FILTER GAUGE.
8. WATER TEMPERATURE MONITOR (SUPPLY SENSOR IN COMMON LINE.)
9. HEATING CONTROL.
10. TWO REQUIRED PER COIL BANK.

S-1, 2 LAB AIR FLOW SYSTEM

CONTROL LEGEND

CHWS	CHILLED WATER SUPPLY
CHWR	CHILLED WATER RETURN
HHWS	HEATING HOT WATER SUPPLY
HHWR	HEATING HOT WATER RETURN
CCWS	CLOSED CIRCUIT WATER SUPPLY
CCWR	CLOSED CIRCUIT WATER RETURN
	FUTURE PIPING
A	COMPRESSED AIR
	GATE VALVE OR GAUGE COCK
	CHECK VALVE
	TWO WAY MODULATING CONTROL VALVE
	THREE WAY MODULATING CONTROL VALVE
M	THREE WAY MOTORIZED LINKED BUTTERFLY CONTROL VALVE
DP	DIFFERENTIAL PRESSURE SWITCH
MS	MOTOR STARTER
VFD	VARIABLE FREQUENCY DRIVE
	PRESSURE REGULATOR WITH PRESSURE GAUGE
	AIR PRESSURE GAUGE OR MAGNAHELIC GAUGE
T	ROOM THERMOSTAT
T	TEMPERATURE SENSOR
SF	STATIC PRESSURE SENSOR
P	PRESSURE SENSOR
	PUMP
	FAN
BD	BAROMETRIC BACKDRAFT DAMPER
M	MAIN CONTROL AIR
HP	HIGH PRESSURE CONTROL AIR
R	RELAY
	FLOW SWITCH
	WIRING. NUMBER OF WIRES AS REQUIRED
4	CONTROL NOTATION

GENERAL NOTES:

1. SEE SPECIFICATIONS FOR CONTROL SEQUENCE.
2. PROVIDE NUMBER OF WIRES AND/OR CONTROL AIR TOP EACH DEVICE AS REQUIRED.
3. ALL SIGNALS BROUGHT TO DGP.
4. LOCATE CPU & DGP IN BUILDING ENGINEER'S ROOM G-202.

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Kaiser Permanente Medical Care Program
Southern California Region

TEMPERATURE CONTROLS

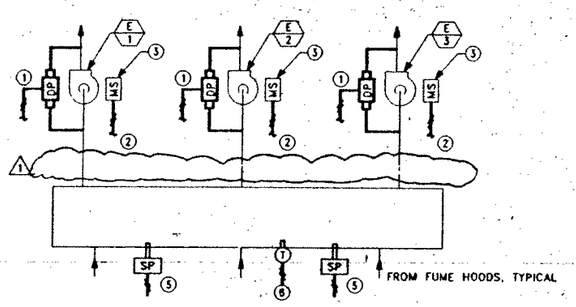
Scale: NONE

Project No.		Drawing No.
19210.01	B BIDDING	M6.1
Date 11 APR 91		

000782

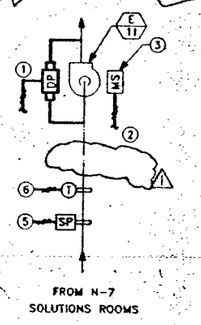
1300-09

4561: 2-21-91: M6_1: EMR. SY



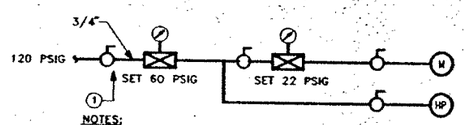
NOTES:
1. FAN RUN STATUS.
2. FAN START/STOP SIGNAL.
3. FAN MOTOR STARTER. SEE ELECTRICAL DRAWINGS.
4. BAROMETRIC DRAFT DAMPER.
5. STATIC PRESSURE MONITOR.
6. TEMPERATURE SENSOR.

E-1, E-2, E-3 FUME EXHAUST FANS



NOTES:
1. FAN RUN STATUS.
2. FAN START/STOP SIGNAL.
3. FAN MOTOR STARTER. SEE ELECTRICAL DRAWINGS.
4. BAROMETRIC DRAFT DAMPER.
5. STATIC PRESSURE MONITOR.
6. TEMPERATURE SENSOR.

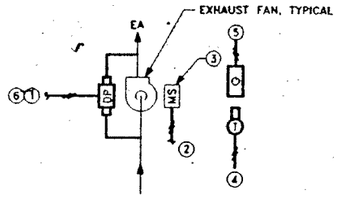
E-11 FUME EXHAUST FANS



NOTES:
1. SEE PLUMBING DRAWINGS FOR POINT OF CONNECTION.

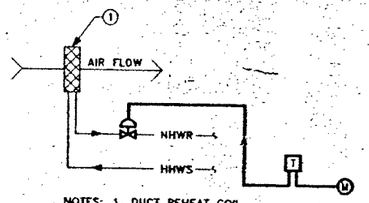
GENERAL NOTES
1. PROVIDE CONTROL AIR TUBING OF CORRECT SIZE TO ALL PNEUMATIC EQUIPMENT.

CONTROL AIR SYSTEM

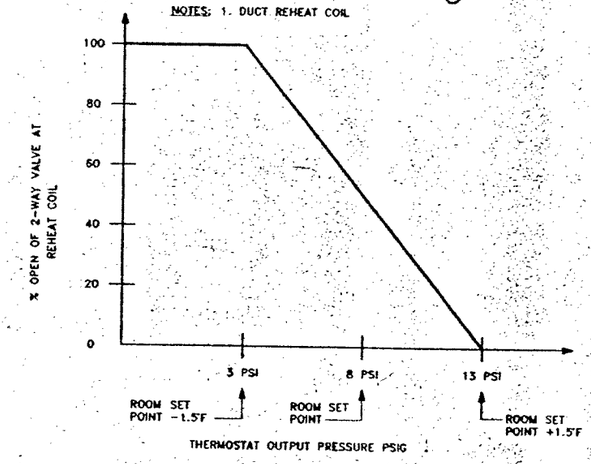


NOTES:
1. FAN RUN STATUS.
2. FAN START/STOP SIGNAL.
3. FAN MOTOR STARTER: (SEE ELECTRICAL DRAWINGS.) OR CONTROL RELAY FURNISHED BY TEMPERATURE CONTROLS AND INSTALLED BY ELECTRICAL.
4. SPACE TEMPERATURE SENSOR. NOT REQUIRED FOR E-4.
5. EMERGENCY START SWITCH. NOT REQUIRED FOR E-4.
6. NOT REQUIRED FOR E-5, E-6.

E-4, E-5, E-6 EXHAUST FANS



NOTES: 1. DUCT REHEAT COIL



DUCT REHEAT COIL

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Revisions

No.		Date
1	BULLETIN No.2	

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TEMPERATURE CONTROLS

Scale: NONE

Project No. 19210.01

Date 24. JAN 1992

B2 BULLETIN

Drawing No. M6.2

000783

04:03:25 PM

4561: 11-19-90: M6_2: EMR, SY
4561: 04-06-91: M6-2: DW

ABBREVIATIONS

MCC	MOTOR CONTROL CENTER	A	AMPERE
MCM	THOUSAND CIRCULAR MILS	ACB	AIR CIRCUIT BREAKER
MCP	"MOTOR CIRCUIT PROTECTOR" TYPE CIRCUIT BREAKER	AFF	ABOVE FINISHED FLOOR
		AS	AMP SWITCH
MH	MANHOLE	AT	AMP TRIP
MTD	MOUNTED		
MV	MERCURY VAPOR	BKR	BREAKER
(N)	NEW		
NA	NON-AUTOMATIC	C	CONDUIT
NIC	NOT IN CONTRACT	CB	CIRCUIT BREAKER
NIEC	NOT IN ELECTRICAL CONTRACT	CKT	CIRCUIT
NO	NUMBER	CL	CENTER LINE
NTS	NOT TO SCALE	CLF	CURRENT LIMITING FUSE
		CLG	CEILING
PA	PUBLIC ADDRESS	CO	CONDUIT ONLY
PB	PULL BOX	COL	COLUMN
PC	PHOTOELECTRIC CONTROL	CPT	CONTROL POWER TRANSF
PH OR ø	PHASE	CTR	CENTER
PMH	POWER MANHOLE	CW	COOL WHITE
(RL)	EXISTING TO BE RELOCATED	DET	DETAIL
RS	RAPID START	DPST	DOUBLE POLE SINGLE THROW
SHT	SHEET	DWG	DRAWING
SPDT	SINGLE POLE DOUBLE THROW	(E)	EXISTING TO REMAIN
SPST	SINGLE POLE SINGLE THROW	EMERG	EMERGENCY
SWBD	SWITCHBOARD	EPO	EMERGENCY POWER OFF
SW	SWITCH	EWC	ELECTRIC WATER COOLER
TC	TELEPHONE CABINET	EXH	EXHAUST
TCP	TEMPERATURE CONTROL PANEL	EXIST	EXISTING
TEL	TELEPHONE	FA	FIRE ALARM
TMH	TELEPHONE MANHOLE	FIN	FINISH
TRANSF	TRANSFORMER	FLR	FLOOR
TTB	TELEPHONE TERMINAL BOARD	FLUOR	FLUORESCENT
TV	TELEVISION	FUT	FUTURE
TVC	TELEVISION CABINET	GFI	GROUND FAULT INTERRUPTER
TYP	TYPICAL	GN	GENERAL NOTE
UMS	UNDER MECHANICAL SECTION	GP	GRAPHIC PANEL
UON	UNLESS OTHERWISE NOTED	GRD/G	GROUND
USC	UNDER SEPARATE CONTRACT	HGT	HEIGHT
		HID	HIGH INTENSITY DISCHARGE
V	VOLT	HP	HORSEPOWER
W	WATT	HPS	HIGH PRESSURE SODIUM
WP	WEATHERPROOF	HV	HIGH VOLTAGE
WW	WARM WHITE	IC	INTERCOM
XFMR	TRANSFORMER	IF	INSIDE FROSTED
		KV	KILOVOLT
		KVA	KILOVOLT AMPERES
		KW	KILOWATT
		LT	LIGHT

GENERAL NOTES:

1. SWITCHES, CIRCUIT BREAKERS, ETC. SHALL BE READILY ACCESSIBLE.
2. REFER TO STRUCTRURAL DRAWING SO.1 DETAIL 2 FOR CONDUIT INSTALLATION REQUIREMENTS UNDER THE BLDG. AND PENETRATIONS AT FOOTINGS AND GRADE BEAMS. REQUIRED SLEEVES SHALL BE PROVIDED OVER THIS ELECTRICAL WORK.
3. REFER TO STRUCTURAL DRAWING S0.1 FOR DETAIL 18 ATTACHMENT REQUIREMENT AT METAL DECKS, FOR PEDANT OR SUSPENDED ELECTRICAL WORK.
4. CONDUITS SHALL NOT BE EMBEDDED IN CONCRETE FLOORS OR ROOF OF METAL DECKS.
5. REFER TO LA DEPT OF WATER AND POWER (DWP) DRAWING E2950-EA1 DATED 2-5-91 FOR WORK TO BE PROVIDED UNDER THIS ELEC. DIVISION IN THE SUBSTATION AREA.

TITLE 24 - LIGHTING COMPLIANCE

Lighting
13 Watts of Allowed LPD . . . 1.5 1.27
Allowed Proposed
14 LPD . . . 1.5
15 Package Lighting Reduction
16 Adjusted LPD . . . 1.5 1.27
17 Lighting Control Credits? . . . (Y/N)
Other requirements:

VICE PRESIDENT 1/22/91
GAYNER ENGINEERS
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(415)474-9500

SYMBOL LIST

DIAGRAMS

- 400AF / 150AT — MOLDED CASE CIRCUIT BREAKER, 3 POLE U.O.N. 400 AMPERE FRAME 150 AMPERE TRIP
- CIRCUIT BREAKER WITH CURRENT LIMITING FUSES
- FUSED DISCONNECT SWITCH, 3 POLE, VOLT, H.P. RATED FOR MOTOR LOAD
- CURRENT TRANSFORMER
- POWER CIRCUIT BREAKER
- (A)—(AS) AMMETER AND AMMETER SWITCH
- (V)—(VS) VOLTMETER AND VOLTMETER SWITCH
- GROUND CONNECTION
- POWER TRANSFORMER, KVA AS NOTED
  - △ = DELTA CONNECTION
  - Y = WYE CONNECTION - GROUNDED
- CONTROL POWER TRANSFORMER
- FUSE(S)
- H O A — HAND-OFF-AUTO SELECTOR SWITCH
- NORMALLY OPEN MOMENTARY CONTACT PUSHBUTTON
- NORMALLY CLOSED MOMENTARY CONTACT PUSHBUTTON
- NORMALLY OPEN AUXILIARY CONTACT
- NORMALLY CLOSED AUXILIARY CONTACT
- TEMPERATURE CONTROL SWITCH
- FLOAT SWITCH
- PRESSURE SWITCH
- LIMIT SWITCH
- NC — SOLENOID VALVE, NC=NORMALLY CLOSED
- RESISTOR
- (M) MOTOR STARTER COIL
- [C] CONTACTOR MAGNETICALLY OR MECHANICALLY HELD, AS NOTED
- (C) CONTACTOR COIL
- (R) RELAY COIL
- (K) KIRK KEY INTERLOCK

EQUIPMENT

- MCC — MOTOR CONTROL CENTER, FLOOR MOUNTED
- DISTRIBUTION PANELBOARD OR SWITCHBOARD, FLOOR MOUNTED, U.O.N.
- PANELBOARD, 120/208 VOLT, WALL MOUNT +6'-6" TO TOP
- PANELBOARD, 277/480 VOLT, WALL MOUNT +6'-6" TO TOP
- [T] TRANSFORMER
- (M) MOTOR OUTLET, COMPLETE WITH POWER, CONTROL AND GROUND CONNECTION
- (G) ENGINE GENERATOR SYSTEM
- WP 30AS 15AF — FUSED DISCONNECT SWITCH, 3 POLE, HP RATED FOR MOTOR LOAD, VOLTAGE RATING PER LOAD. 30A SWITCH SIZE, 15A CLASS RK5 FUSES.
  - WP = INDICATES WEATHERPROOF TYPE IN NEMA 3R ENCLOSURE
- WP — NON-FUSED DISCONNECT SWITCH, 3 POLE, HP RATED FOR MOTOR LOAD, VOLTAGE RATING AS REQUIRED BY LOAD
  - WP = INDICATES WEATHERPROOF TYPE IN NEMA 3R ENCLOSURE
- MOTOR STARTER IN NEMA 1 ENCLOSURE - NUMBER INDICATES NEMA SIZE, 3 POLE, WALL MOUNTED +48" U.O.N.
- COMBINATION MOTOR STARTER WITH FUSED DISCONNECT SWITCH, IN NEMA 1 ENCLOSURE NUMBER INDICATES NEMA SIZE, WALL MOUNTED +48" U.O.N.
- BUSDUCT, SUPPORTED FROM TRAPEZE HANGER SYSTEM

MISCELLANEOUS

- (1) NUMBERED SHEET NOTE DESIGNATION
- (1/E-1) DETAIL DESIGNATION, DETAIL NO. 1 ON SHEET E-1
- (A) LIGHT FIXTURE TYPE WITHIN DESIGNATED ROOM OR AREAS, LETTER INDICATES TYPE, REFER TO FIXTURE SCHEDULE
- (SF/1) MECHANICAL EQUIPMENT DESIGNATION, REFER TO MECHANICAL DRAWINGS FOR SCHEDULE
- CABLE TRAY, SUPPORTED FROM TRAPEZE HANGER SYSTEM

WIRING DEVICES

- DUPLEX RECEPTACLE, 20A, 125V, 2P, 3WG, WALL MOUNTED +12" U.O.N. SUBSCRIPT INDICATES:
  - WP = WEATHERPROOF TYPE
  - G = WITH GROUND FAULT CIRCUIT INTERRUPTER +42" U.O.N.
  - 2 = INDICATES CIRCUIT NUMBER
  - IG = ISOLATE, ORANGE COLORD GROUND TYPE, ORANGE COLOR INCLUDING DEVICEPLATE
- DOUBLE DUPLEX RECEPTACLE, 2 - 20A, 125V, 2P, 3WG WALL MOUNTED +12" U.O.N.
- FLOOR MOUNTED SERVICE MONUMENT WITH FLEXIBLE CONNECTION TO WORKSTATION
- FLOOR MOUNTED DUPLEX RECEPTACLE, 20A, 125V, 2P, 3WG, IN A FLUSH FLOOR BOX
- SPECIAL PURPOSE RECEPTACLE WALL MOUNTED +12" U.O.N. LETTER INDICATES TYPE AND RATING
- VOICE/DATA OUTLET, WALL MOUNTED, +12" U.O.N.
- VOICE/DATA OUTLET, WALL MOUNTED, SUBSCRIPT INDICATES:
  - W = INDICATES +42"
  - P = INDICATES +42" FOR PAYHONE
- VOICE/DATA OUTLET, FLOOR MOUNTED IN A FLUSH BOX
- FLOOR MOUNTED VOICE/DATA MONUMENT WITH FLEXIBLE CONNECTION TO WORK STATION
- DATA COMMUNICATION (LMS) OUTLET, WALL MOUNTED +12" U.O.N.
- DATA COMMUNICATION (LMS) OUTLET, FLOOR MOUNTED IN A FLUSH BOX
- \$ SINGLE POLE SWITCH, WALL MOUNTED +48" U.O.N.
- $\$_3$ 3-WAY SWITCH, WALL MOUNTED +48" U.O.N.
- $\$_4$ 4-WAY SWITCH, WALL MOUNTED +48" U.O.N.
- $\$_a$ SINGLE POLE SWITCH, WALL MOUNTED +48" U.O.N. a = CIRCUIT CONTROLLED
- $\$_D$ DIMMER CONTROL SWITCH, WALL MOUNTED +48" U.O.N. MINIMUM VA RATING AS REQUIRED
- $\$_P$ SINGLE POLE SWITCH WITH PILOT LIGHT, WALL MOUNTED +48"
- $\$_K$ KEY SWITCH, WALL MOUNTED +48"
- $\$_T$ MANUAL MOTOR STARTER, TOGGLE TYPE WITH OVERLOAD PROTECTION, MOUNT ADJACENT TO UNIT SERVED, U.O.N.
- S_M MOTION SENSOR AND ON-OFF TOGGLE SWITCH IN ONE ENCLOSURE WALL MOUNTED +48" U.O.N.
- (PC) PHOTOELECTRIC CONTROL SWITCH, ROOF MOUNTED FACING NORTH
- $(M)_1$ MOTION SENSOR, ONE WAY TYPE, CEILING MOUNTED
- $(M)_2$ MOTION SENSOR, TWO WAY TYPE, CEILING MOUNTED
- (J) JUNCTION BOX, WALL MOUNTED, HEIGHT AS REQUIRED
- (J) JUNCTION BOX, CEILING MOUNTED, SIZED PER CODE
- JUNCTION BOX WITH FLEXIBLE CONNECTION, +12" U.O.N.

FIRE ALARM

- (VA) FIRE ALARM VISUAL FLASHING LIGHT, WALL MOUNTED +7'-0" U.O.N.
- (VA) FIRE ALARM VISUAL FLASHING LIGHT, CEILING MOUNTED
- [F] MANUAL FIRE ALARM STATION, WALL MOUNTED +48" U.O.N.
- [F] FIRE ALARM AUDIBLE AND VISUAL FLASHING LIGHT, WALL MOUNTED +7'-0" U.O.N.
- [FACP] FIRE ALARM CONTROL PANEL WITH BATTERY AND CHARGER
- [FARA] FIRE ALARM REMOTE ANNUNICATOR PANEL
- (SD) FIRE ALARM SMOKE DETECTOR, CEILING MOUNTED
- (HD) HEAT DETECTOR, CEILING MOUNTED
- (DD) DUCT SMOKE DETECTOR, DUCT MOUNTED (INSTALLED UNDER DIVISION 15, WIRED UNDER DIVISION 16)
- [ELR] FIRE ALARM END OF LINE RESISTOR
- [MH] ELECTRO-MAGNETIC DOOR HOLDER, WALL MOUNTED +7'-0" U.O.N.
- (FS) SPRINKLER SYSTEM FLOW SWITCH (INSTALLED UNDER DIVISION 15, WIRED UNDER DIVISION 16)
- (TS) SPRINKLER SYSTEM TAMPER SWITCH (INSTALLED UNDER DIVISION 15, WIRED UNDER DIVISION 16)

SECURITY SYSTEM RACEWAY AND CIRCUITS:
REFER TO SECURITY DRAWINGS "SE" SERIES FOR OTHER ELECTRICAL WORK. △1

LIGHTING

- FLUORESCENT FIXTURE, CEILING MOUNTED, FIXTURE TYPE AS DESIGNATED:
  - a = INDICATES CONTROLLED FROM SWITCH "a"
  - 2 = INDICATES CIRCUIT NUMBER
- FLUORESCENT FIXTURE, CEILING MOUNTED FIXTURE TYPE AS DESIGNATED:
  - a = INDICATES CONTROLLED FROM SWITCH "a"
  - 2 = INDICATES CIRCUIT NUMBER
- FLUORESCENT FIXTURE ON EMERGENCY CIRCUIT, CEILING MOUNTED, FIXTURE TYPE AS DESIGNATED
- FLUORESCENT FIXTURE, WALL MOUNTED +7'-6" U.O.N.
- FLUORESCENT STRIP LIGHT, SURFACE OR PENDANT MOUNTED AS NOTED
- INCANDESCENT OR HID FIXTURE, CEILING MOUNTED
  - a = INDICATES CONTROLLED FROM SWITCH "a"
  - 2 = INDICATES CIRCUIT NUMBER
- INCANDESCENT OR HID FIXTURE, WALL MOUNTED +7'-6" U.O.N.
- COMPACT FLUORESCENT FIXTURE, CEILING MOUNTED
- POLE MOUNTED LIGHT STANDARD ON A CONCRETE BASE, ONE FIXTURE
- POLE MOUNTED LIGHT STANDARD ON A CONCRETE BASE, TWO FIXTURES
- ILLUMINATED EXIT SIGN, ARROW(S) AS NOTED, CEILING MOUNTED
- ILLUMINATED EXIT SIGN WITH ARROW AS NOTED, WALL MOUNTED +7'-0" OR 9" ABOVE DOOR
- L — LOW LEVEL EXIT SIGN, WALL MOUNTED, +8" AFF U.O.N.
- BATTERY OPERATED EMERGENCY LIGHT UNIT, WALL MOUNTED +7'-6" U.O.N.
- [LL] POWER SUPPLY FOR LOW LEVEL EXIT SIGN AND PATH MARKING
- BOLLARD LIGHT, ON A CONCRETE BASE
- UP LIGHT, FLUSH WITH FINISHED PAVING

RACEWAYS

- AH1-2,4,6 — INDIVIDUAL HOMERUN CONDUIT TO PANEL OR EQUIPMENT. HOMERUN DESTINATION AS SHOWN.
  - AH1-2, 4, 6 = INDICATES PANEL AH1 DESTINATION WITH CIRCUIT NUMBERS 2, 4, 6
- CONDUIT AND WIRING CONCEALED IN CEILING OR WALLS. RUN EXPOSED IN SERVICE OR UTILITY ROOMS.
- CONDUIT AND WIRING RUN IN SLAB OR UNDERGROUND
- CONDUIT AND WIRING DOWN
- CONDUIT AND WIRING UP
- CONDUIT AND WIRING CONTINUATION
- CAPPED CONDUIT(S)
- COMPLETE CONNECTION OF EQUIPMENT
- —E— CONDUIT AND WIRING ON EMERGENCY CIRCUIT
- —F— FIRE ALARM SYSTEM CONDUIT AND WIRING, 3/4" C MINIMUM
- —G— GROUND GRID SYSTEM
- —S— PUBLIC ADDRESS SYSTEM CONDUIT, 3/4" C MINIMUM
- —T— TELEPHONE SYSTEM CONDUIT - 3/4" C, MINIMUM
- —TV— TV SYSTEM CONDUIT AND WIRING, 3/4" C MINIMUM
- —L— LOW LEVEL EXIT PATH MARKING, WALL MOUNTED +8" AFF U.O.N.

MISCELLANEOUS SYSTEM

- VIDEO SURVEILLANCE CAMERA, WALL MOUNTED +7'-0" U.O.N.
- C — VIDEO SURVEILLANCE CAMERA, CEILING MOUNT
- PZT — VIDEO SURVEILLANCE CAMERA, PAN, ZOOM, TILT TYPE
- (S) SPEAKER AND BACKBOX, CEILING MOUNTED
- [V] SPEAKER(S) VOLUME CONTRO., WALL MOUNTED +48" U.O.N.
- [H] CONCRETE HANDHOLE
- EPO PUSHBUTTON SWITCH, WALL MOUNTED △2

△1 GENERAL NOTE FOR TELEPHONE(VOICE) AND DATA COMPUTER OUTLETS:
UNLESS OTHERWISE NOTED PROVIDE A 1"C WITH PULL CORD FROM EACH TELEPHONE OR DATA COMPUTER OUTLET UP TO CEILING SPACE ABOVE. TERMINATE CONDUITS AT 6 INCHES ABOVE FINISHED CEILING.

△3 NOTE TO ELECTRICAL PLAN CHECKER:
THE FIRE ALARM SYSTEM IS NOT A PART OF THIS ELECTRICAL PERMIT APPLICATION. IT WILL BE SUBMITTED BY THE CONTACTOR OF THE FIRE ALARM SYSTEM FOR APPROVAL BY THE CITY FIRE DEPARTMENT.

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Revisions No.		Date
△1	ADDENDUM NO. 1	15 MAY 91
△2	ADDENDUM NO. 2	12 JUN 91
△3	PLAN CHECK REVISIONS / BULLETIN NO. 1	

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Kaiser Permanente 000784
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Southern California Region

SYMBOL LIST & ABBREVIATIONS
Scale: NONE

Project No.		Drawing No.
19210.01	B1 BULLETIN	E0.1
Date 11 APR 1991		

4561; 3-27-91; ED.1; JW

GENERAL NOTES

1. ABBREVIATIONS, LEGEND, SYMBOLS AND DEVICE SCHEDULE ON THIS SHEET APPLIES TO E-1.0, E-2.0, E-2.1, E-2.2, E-2.3, E-2.4A, E-2.5, E-2.6, E-3.0, E-4.0, E-5.0 ONLY.

2. DIVISION 16 ELECTRICAL SPECIFICATION SECTIONS APPLIES TO RELATED WORK ON E-1.0, E-2.0, E-2.1, E-2.2, E-2.3, E-2.4A, E-2.5, E-2.6, E-3.0, E-4.0, E-5.0 ONLY.

3. VERIFY FIGURE DIMENSIONS WITH ARCHITECTURAL DRAWINGS:

   A. WHERE FIGURE DIMENSIONS ON ARCHITECTURAL DRAWINGS DIFFERS WITH THESE DRAWINGS, THE ARCHITECTURAL DIMENSIONS SHALL BE FOLLOWED.

   B. WHERE NO FIGURE DIMENSIONS IS SHOWN ON ARCHITECTURAL DRAWINGS, FOLLOW FIGURE DIMENSIONS SHOWN ON THESE DRAWINGS.

ABBREVIATIONS

GENERAL ABBREVIATIONS

A.F.F.	ABOVE FINISHED FLOOR
A.G.L.	ABOVE GROUND LEVEL
BLDG	BUILDING
B.P.	BOTTOM PLATE
C	CONDUIT
CLG	CEILING
C.E.	CONTROLLER ELECTRONICS
CONT.	CONTINUATION
DIA	DIAMETER
DIMS.	DIMENSIONS
DPST	DOUBLE POLE SINGLE THROW
DWG.	DRAWINGS
ELECT	ELECTRICAL
ELEV.	ELEVATION
EMT	ELECTRICAL METALLIC TUBING
ET	EMERGENCY TELEPHONE
FIN.	FINISHED
FLR.	FLOOR
GRD	GROUND
Hz	HERTZ
IM	INTERCOM MASTER
NO.	NUMBER
N.I.C.	NOT IN THE CONTRACT
N.I.S.C.	NOT IN THE SECURITY CONTRACT (SEE SPECS.)
O.C.	ON CENTER
OPP.	OPPOSITE
PH	PHASE (ELECTRICAL)
PNL.	PANEL
PWR	POWER
RM.	ROOM
RSC	RIGID STEEL CONDUIT
SHT	SHEET
S.O.C.	SECURITY OPERATIONS CENTER
TYP	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED
V	VOLTS
VAC	VOLTS ALTERNATING CURRENT
VDC	VOLTS DIRECT CURRENT
(E)	EXISTING
(F)	FUTURE
(N)	NEW
WP	WEATHERPROOF

EQUIPMENT ABBREVIATIONS

ACP	ACCESS CONTROL PANEL
CBX	TELEPHONE EXCHANGE
CC	COMMUNICATION CONTROLLER
C/F	CAMERA CONTROLLER/FOLLOWER
CP	SECURITY PANEL (PHARMACY)
CPU	CENTRAL PROCESSING UNIT
CRT	COMPUTER TERMINAL
DGP	DATA GATHERING PANEL
IM	INTERCOM MASTER
M	CCTV MONITOR
PRT	PRINTER
PS	POWER SUPPLY
SP	SMART PROCESSOR
TBX	TELEPHONE BOARD
VCR	VIDEO CASSETTE RECORDER
VTR	VIDEO

SYMBOLS AND DEVICE SCHEDULE

ITEM NO.	SYMBOL	DEVICE	DETAIL NO.	MOUNTING/REMARKS
1.	A	ALARM CONTACT	B/E-3.0	CONCEALED MOUNTED IN DOOR FRAME (CARD ACCESS DOOR)
			A/E-3.0	CONCEALED MOUNTED IN DOOR FRAME (ALARM DOOR ONLY)
			C/E-3.0	MOUNTED FOR ROLL UP DOOR
			S/E-3.0	FENCE DOOR
			M/E-3.0	MOUNTED ON 'SAFE' DOOR
2.	R	REQUEST TO EXIT	B/E-3.0	MOUNTED ON TOP OF DOOR FRAME AT PROTECTED SIDE OF DOOR.
3.	CR	CARD READER	D/E-3.0	MOUNTED ON CONCRETE OR GYPSUM WALL.
			U/E-3.0	MOUNTED ON PEDESTAL
			T/E-3.0	MOUNTED ON GLASS WALL
4.	EL	ELECTRIC LOCK STRIKE	—	PROVIDED AND INSTALLED BY DOOR HARDWARE CONTRACTOR.
5.	ET	COURTESY TELEPHONE	W/E-3.0	MOUNTED ON WALL
	ET	EMERGENCY TELEPHONE	U/E-3.0	MOUNTED ON PEDESTAL
			X/E-3.0	MOUNTED ON WALL
6.		CCTV CAMERA (FIXED)	—	SEE CAMERA SCHEDULE
		CCTV CAMERA (PAN, TILT, ZOOM)		SEE CAMERA SCHEDULE
7.	S	SOUNDER	F/E-3.0	MOUNTED ON WALL
8.	K	KEYSWITCH	E/E-3.0	MOUNTED ON WALL OR DOOR FRAME

LEGEND

- CONDUIT IN CEILING SPACE (SIZE AS INDICATED OR 3/4" DIA. MIN)
- UNDERGROUND CONDUIT OR CONDUIT INSTALLED BELOW FLOOR
- E — EMERGENCY 120V POWER SUPPLY CONDUIT AND WIRES. "NELB"-3 PANEL NO AND CIRCUIT (REFER TO ELECT. DWGS.)
- T — TELEPHONE CABLES (CONDUIT REQUIRED WHERE INSTALLED ON WALL)
- DETAIL REFERENCE WHERE A = DETAIL NO. X = SHEET NO.
- ELEVATION REFERENCE WHERE A = DETAIL NO. X = SHEET NO.
- SECURITY CONTROL PANEL (NAME AS SHOWN ON PLAN)
- PULL/JUNCTION OCTAGONAL BOX IN CEILING WITH BLANK COVER (4"SQ. x 1 1/2") U.O.N.
- PULL/JUNCTION SQUARE BOX ON WALL WITH RING FOR FOR FLUSH MOUNTING (4" SQ. x 2 1/4") U.O.N.
- CONDUIT RISER UP
- CONDUIT RISER (CONTINUING)
- CONDUIT RISER DOWN
- CONCRETE PULL BOX IN GROUND (SIZE AS INDICATED ON PLAN)
- SHEET NOTE MARK NUMBER
- +48" HEIGHT OF DEVICE OR BOX ON CENTER ABOVE FINISHED FLOOR
- CONDUIT STUB-OUT PER DET. J/E-3.0 OR K/SE3.0
- CABLE TRAY, SEE NOTE BELOW. (PER DET. Q/E-3.0)
- CABLE TRAY 12" WIDE w/ DIVIDER WHERE SHOWN ON PLANS (PER DET. Q/E-3.0) SEE NOTE BELOW
- DUPLEX RECEPTACLE IN 6" x 6" x 4" BOX, U.O.N. (WP=WEATHERPROOF)
- CAMERA CONTROLLER IN BOX 18" x 12" x 8"D
- X EXACT LOCATION OF DEVICE
- TELEPHONE NUMBER MARK INDICATOR
- TELEPHONE OUTLET
- DOOR NO. / HARDWARE GROUP — DOOR NUMBER MARK INDICATOR

NOTE:
CABLE TRAY SHOWN ON THESE DRAWINGS IS SAME CABLE TRAY ON SHEETS E3.1, E3.2 AND E3.3 SERIES.

SCOPE OF WORK

FURNISH AND INSTALL UNDER DIVISION 16, ELECTRICAL WORK :

1. RACEWAYS, CONDUIT SYSTEMS, JUNCTION AND PULL BOXES, POWER CIRCUITS TO SECURITY EQUIPMENT, RECEPTACLES, OUTLET BOXES WITH COVERS, POLE AND CONCRETE BASE FOR POLE MOUNT TV, PANELBOARDS (SHOWN AS LOAD CENTERS), AND PULL CORDS TO ALL EMPTY SECURITY CONDUITS SHOWN ON E-1.0, E-2.0, E-2.1, E-2.2, E-2.3, E-2.4A, E-2.5, E-2.6, E-3.0, E-4.0, E-5.0 ONLY.

2. INSTALL THE UPS (UNINTERRUPTIBLE POWER SUPPLY) UNIT TO BE SUPPLIED BY THE OWNER'S SECURITY SYSTEM CONTRACTOR.

3. SYSTEM CABLES, CAMERAS AND MOUNTS, CONSOLES, UPS UNIT, CONTROL POWER TRANSFORMERS (120V-24V), CARD READERS, EMERGENCY TELEPHONES AND OTHER MISCELLANEOUS SECURITY SYSTEM EQUIPMENT AND DEVICES IS NOT IN CONTRACT. IT WILL BE PROVIDED BY THE OWNER'S SECURITY SYSTEM CONTRACTOR. THESE ITEMS IF SHOWN IS FOR INFORMATION ONLY TO INDICATE ROUGH-IN OUTLET BOX AND CONDUIT SYSTEM.

4. SECURITY EQUIPMENT OR DEVICES REQUIRING SPECIAL OUTLET BOXES WILL BE INDICATED ON THE PLANS. THESE BOXES WILL BE SUPPLIED BY THE SECURITY SYSTEM CONTRACTOR FOR INSTALLATION BY THE DIVISION 16, ELECTRICAL CONTRACTOR. THE ELECTRICAL CONTRACTOR SHALL NOTIFY THE SECURITY SYSTEM CONTRACTOR THRU THE GENERAL CONTRACTOR, IN ADVANCE, WHEN HE NEEDS THESE BOXES FOR HIS TIMELY INSTALLATION.

SHEET INDEX

SHEET NO.	TITLE
E-1.0	RACEWAY SYSTEM AND CIRCUITS FOR SECURITY SYSTEM: LEGEND, ABBREVIATIONS, SYMBOLS AND DEVICE SCHEDULE.
E-2.0	SITE PLAN
E-2.1	SECURITY GROUND LEVEL - WESTERN PORTION
E-2.2	SECURITY GROUND LEVEL - EASTERN PORTION
E-2.3	SECURITY LAB LEVEL ONE - WESTERN PORTION
E-2.4A	SECURITY LAB LEVEL ONE - EASTERN PORTION
E-2.5	SECURITY LAB LEVEL TWO - WESTERN PORTION
E-2.6	SECURITY LAB LEVEL TWO - EASTERN PORTION
E-3.0	MISCELLANEOUS MOUNTING DETAILS
E-4.0	SECTIONS AND ELEVATIONS
E-5.0	WIRING DIAGRAMS AND SCHEDULES

NOTE TO ELECTRICAL PLAN CHECKER:
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Revisions

No.		Date
1	ADDENDUM NO. 2	6-12-91
2	PLAN CHECK REVISIONS / BULLETIN NO. 1	[illegible]

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RACEWAY SYSTEM & CIRCUITS FOR SECURITY SYSTEM: LEGEND, ABBREVIATIONS, SYMBOLS & DEVICES SCHEDULE

SCALE: NONE

Project No. 19210.01

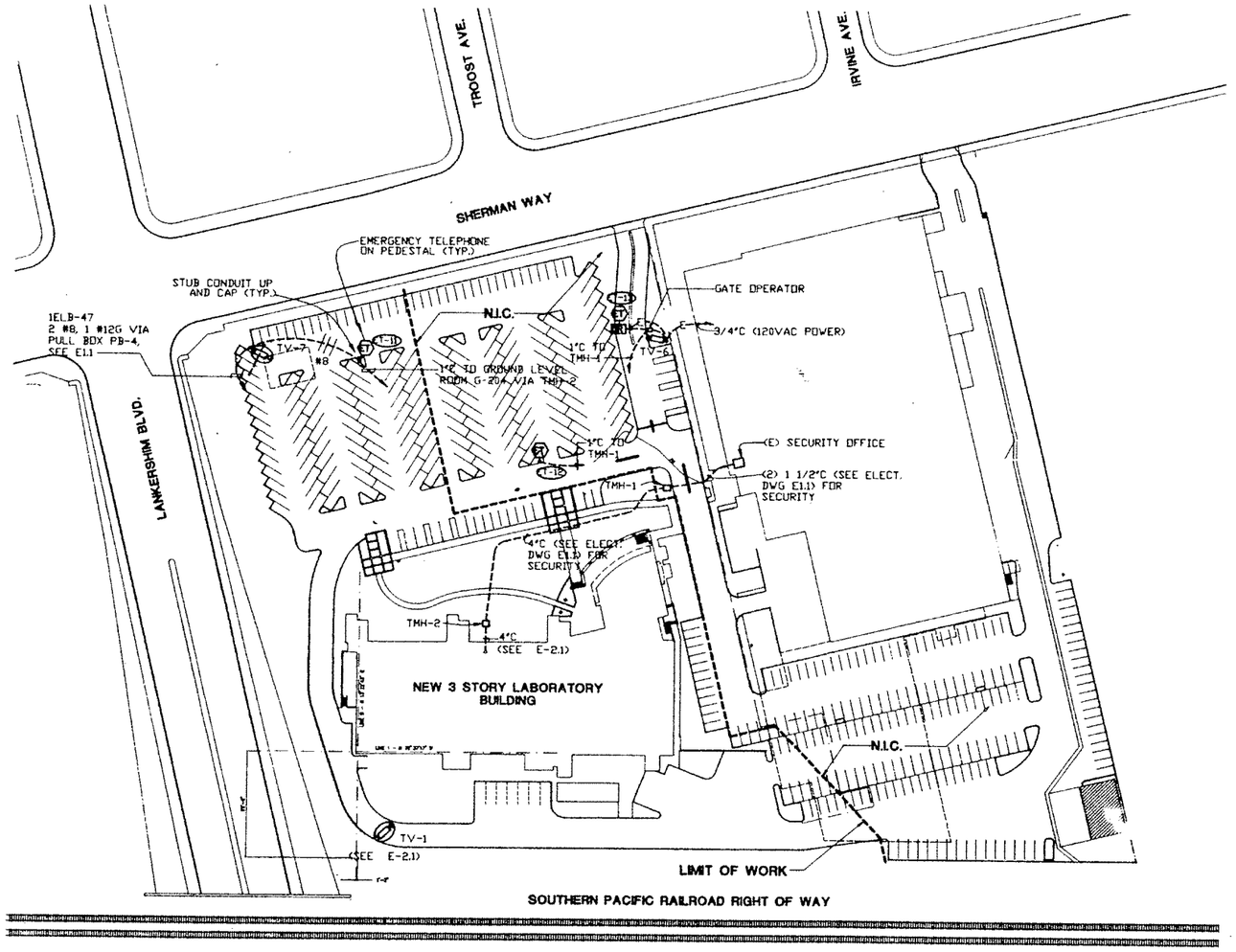
Date 20 MAY 1991

B1 BULLETIN

Drawing No. E-1.0

000785

04:03:04 PM



SITE PLAN

SCALE: 1"=50'-0"

04:02:55 PM

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Revisions

No.		Date
1	PLAN CHECK REVISIONS / BULLETIN NO. 1	11NOV'91

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SITE PLAN

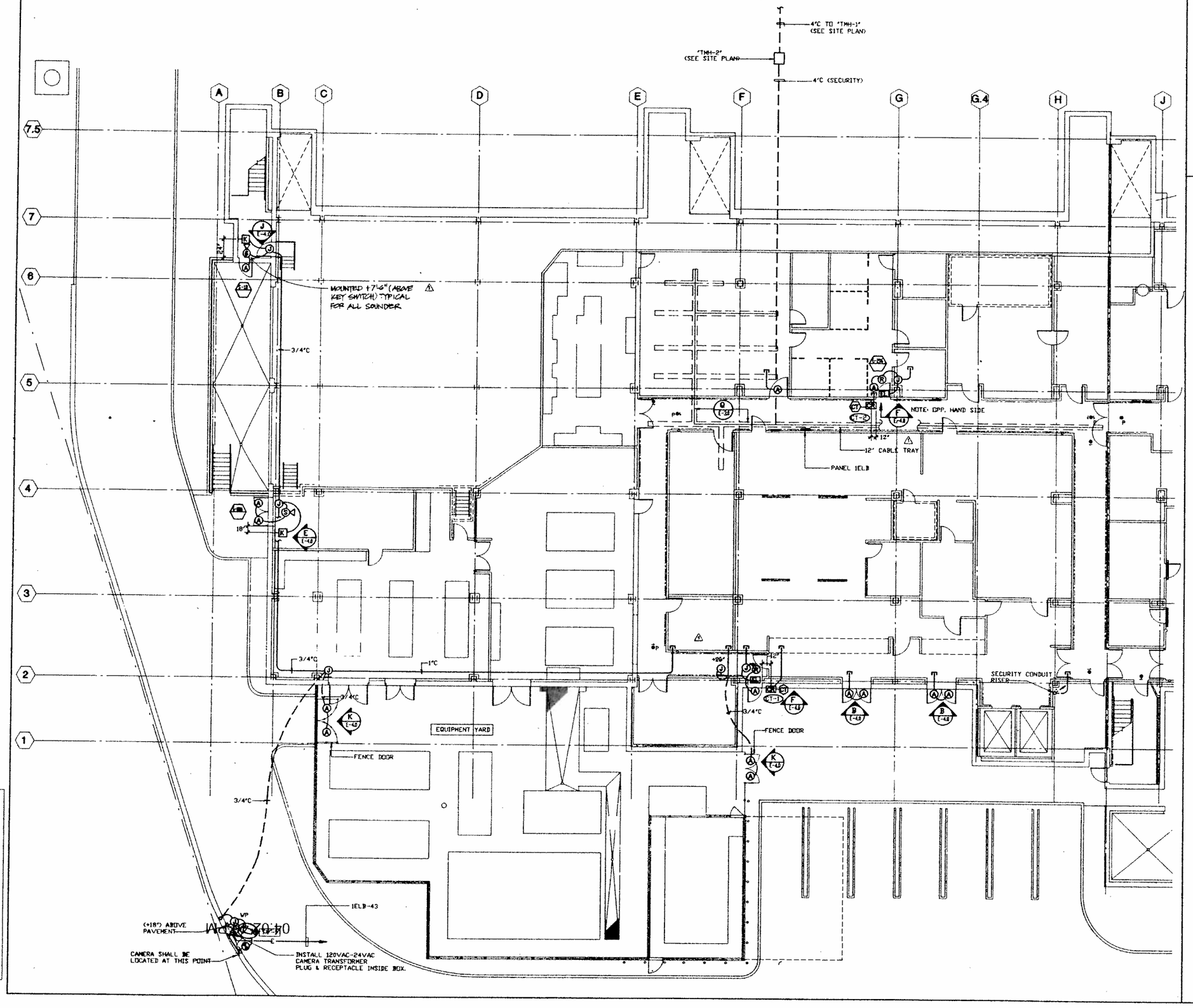
Project No. 19210.01

Date 20 MAY 1991

B1 BULLETIN

Drawing No. E-2.0

000786



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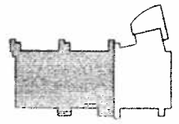

SHEET NOTES

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Revisions

No.		Date
1	ADDENDUM NO.2	6-12-91
2	PLAN CHECK REVISIONS / BULLETIN NO. 1	13NOV91

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SECURITY GROUND LEVEL WESTERN PORTION

SCALE: 1/8" = 1'-0"

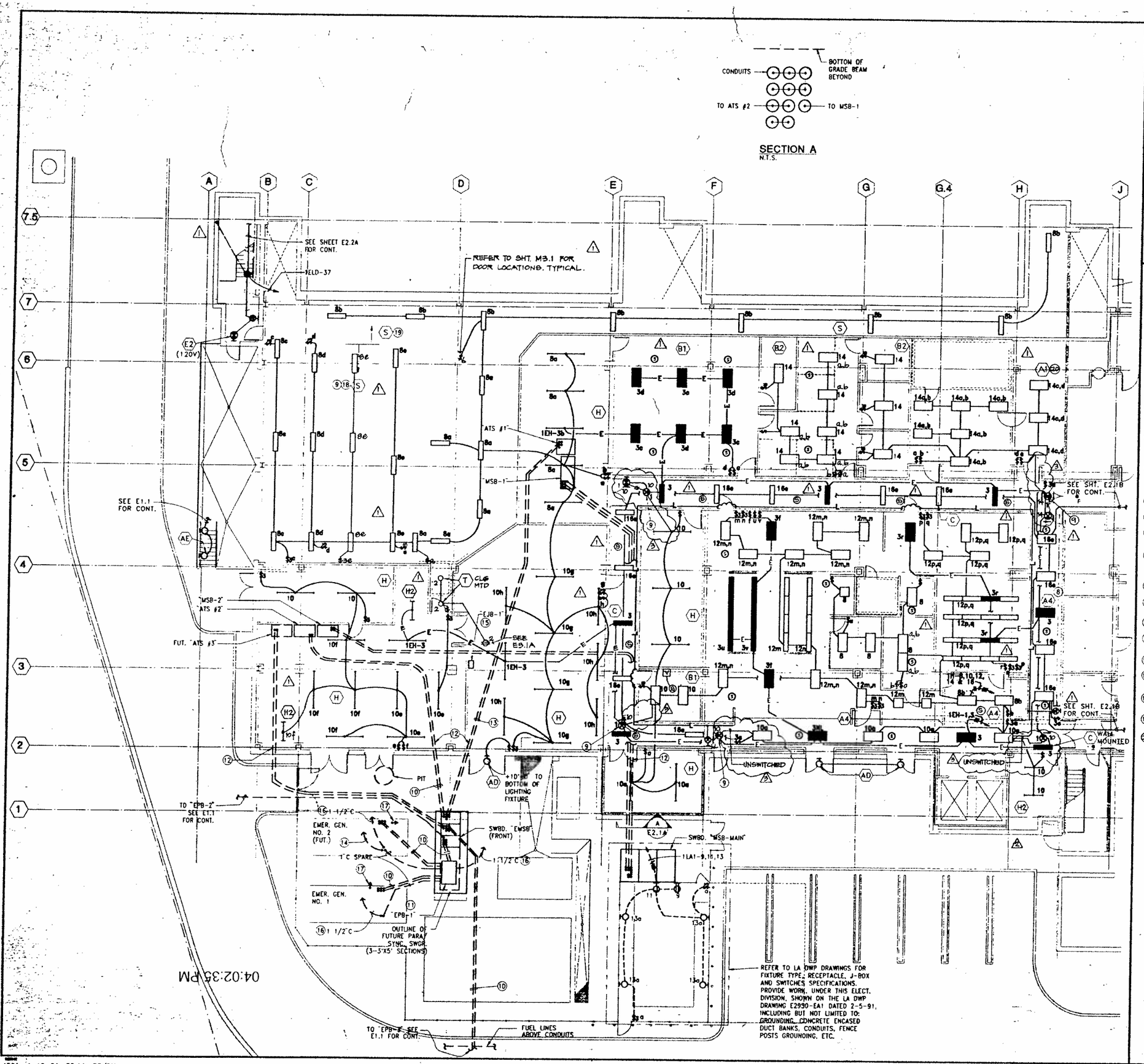
Project No. 19210.01

Date 20 MAY 1991

B1 BULLETIN

Drawing No. E-2.1

000787



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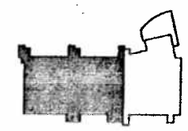

SHEET NOTES

1. UNLESS OTHERWISE NOTED, 1X4 LIGHT FIXTURES SHOWN SHALL BE TYPE A.
2. UNLESS OTHERWISE NOTED, 2X4 LIGHT FIXTURES SHOWN SHALL BE TYPE A1.
3. UNLESS OTHERWISE NOTED, 2X2 LIGHT FIXTURES SHOWN SHALL BE TYPE A2.
4. EXIT SIGNS (NOT THE LOW LEVEL TYPE) SHOWN SHALL BE FIXTURE TYPE E2.
5. UNLESS OTHERWISE NOTED, WALL MOUNTED LIGHT FIXTURES ON STAIRWELLS SHALL BE TYPE K.
6. EXIT SIGNS & EMERGENCY LIGHTS SHALL BE CONNECTED TO PANEL 1EH WITH CIRCUIT NUMBER SHOWN.
7. LIGHT FIXTURES ON NORMAL POWER SHALL BE CONNECTED TO PANEL 1H WITH CIRCUIT NUMBER SHOWN, UNLESS OTHERWISE NOTED.
8. NOT USED.
9. PENDANT MOUNT +8'-0" TO TOP.
10. UNDERGROUND CONDUITS, 24" MIN. BELOW SLAB, INSTALLED IN 2-ROWS.
11. 3'X 6'X 6'D PRECAST CONRETE PULL-BOX WITH 1-PIECE BOLT DOWN METAL COVER, MOUNT FLUSH WITH PAD.
12. CONDUITS BELOW GRADE BEAM.
13. SIMILAR TO SECTION A THIS SHEET (2-ROWS).
14. 2-3/4"C SPARE TO PANEL 1ELD.
15. 12"X 12"X 4"D JUNCTION BOX "EJB" +7'-6".
16. TO "EJB" J-BOX.
17. DRIVEN GROUND ROD 3/4"ø X 10'L. +8" ABOVE PAD.
18. SWITCHES WITHIN MECH. PLENUM SPACE SHALL BE GASKETED TYPE.
19. FIXTURE NORTH OF THIS SHALL BE SURFACE MOUNTED.
20. SIMILAR TO TYPE A1 BUT FIXTURE TRIM IS FOR GYPBOARD CEILING, FLANGE TYPE.

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Revisions

No.		Date
1	ADDENDUM NO. 1	15 MAY 91
2	ADDENDUM NO. 2	12 JUN 91
3	PLAN CHECK REVISIONS / BULLETIN NO. 1	11 NOV 91

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GROUND LEVEL WEST - LIGHTING & SYSTEM PLAN

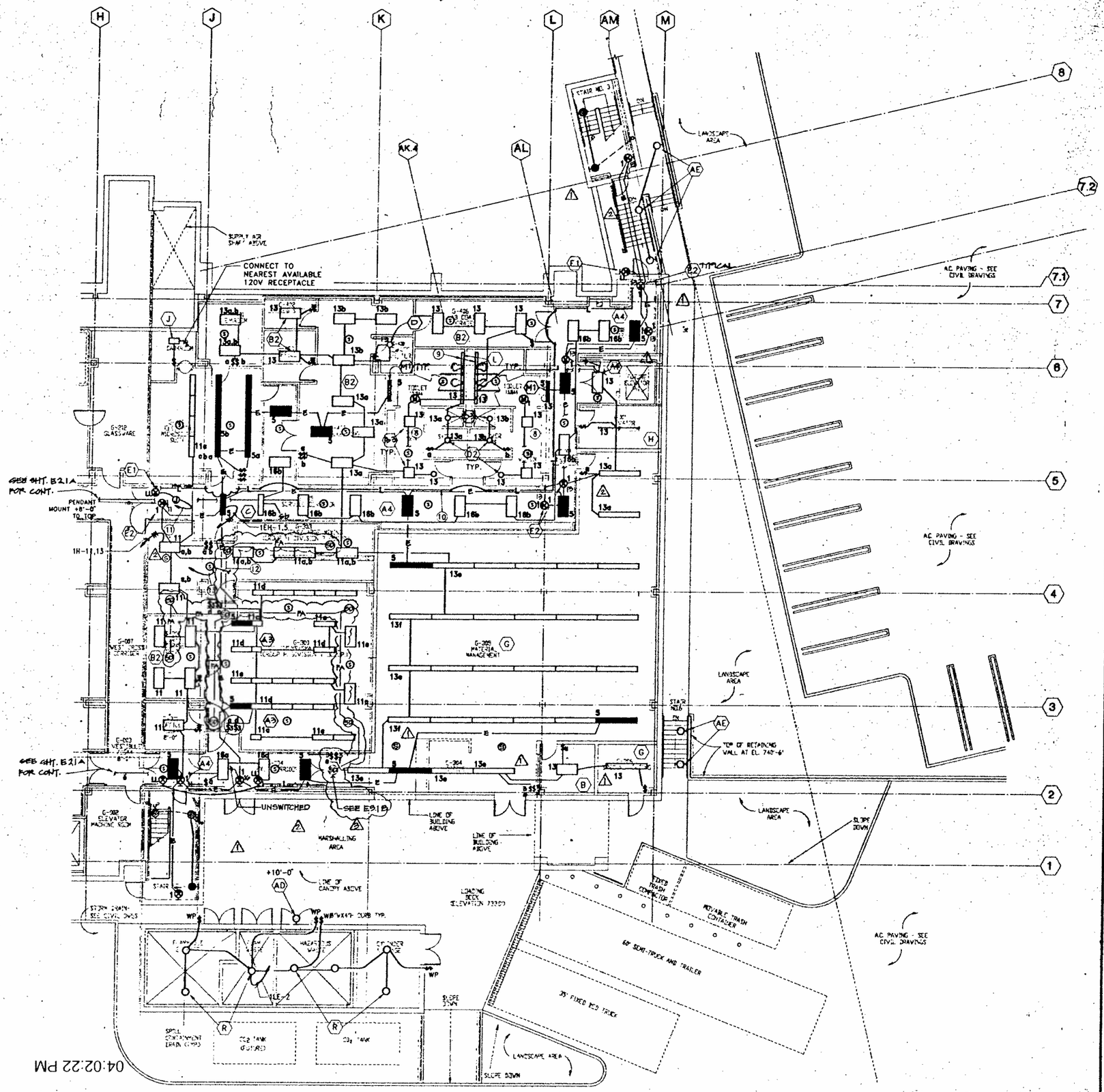
Scale: 1/8"=1'-0"

Project No.		Drawing No.
19210.01	B1 BULLETIN	E2.1A
Date 11 APR 1991		

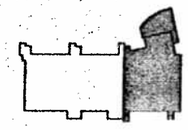
000788

4561: 4-12-91: E2.1A; RR/DK
4561: 4-8-91: GROUND_A; EMR

1300-U



KEY PLAN



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3. UNLESS OTHERWISE NOTED, 2X2 LIGHT FIXTURES SHOWN SHALL BE TYPE A2.
4. UNLESS OTHERWISE NOTED, EXIT SIGNS (NOT THE LOW LEVEL TYPE) SHOWN SHALL BE FIXTURE.
5. UNLESS OTHERWISE NOTED, WALL MOUNTED LIGHT FIXTURES ON STAIRWELLS SHALL BE TYPE K.
6. EXIT SIGNS & EMERGENCY LIGHTS SHALL BE CONNECTED TO PANEL 1EH WITH CIRCUIT NUMBER SHOWN.
7. LIGHT FIXTURES ON NORMAL POWER SHALL BE CONNECTED TO PANEL 1H WITH CIRCUIT NUMBER SHOWN, UNLESS OTHERWISE NOTED.
8. LIGHTS IN THIS ROOM SHALL BE CONTROLLED BY MOTION SENSOR.
9. MOUNT FIXTURE 2" BELOW CEILING LINE TO TOP OF FIXTURE, TYPICAL.
10. LOW LEVEL EXIT PATH LIGHTING, TYP.
11. TO LOW LEVEL PATH LIGHTING POWER CONTROL BOX #1 SEE SHEET E3.1A FOR LOCATION.
12. CONNECT TO OTHER SPEAKERS ON THIS PLAN.
13. 3/4"C WITH P. CABLES TO PATC.

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Revisions

No.		Date
1	ADDENDUM NO.1	15MAY91
2	PLAN CHECK REVISIONS / BULLETIN NO. 1	[illegible]
3	BULLETIN NO. 2	11NOV91

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GROUND LEVEL EAST - LIGHTING & SYSTEM PLAN

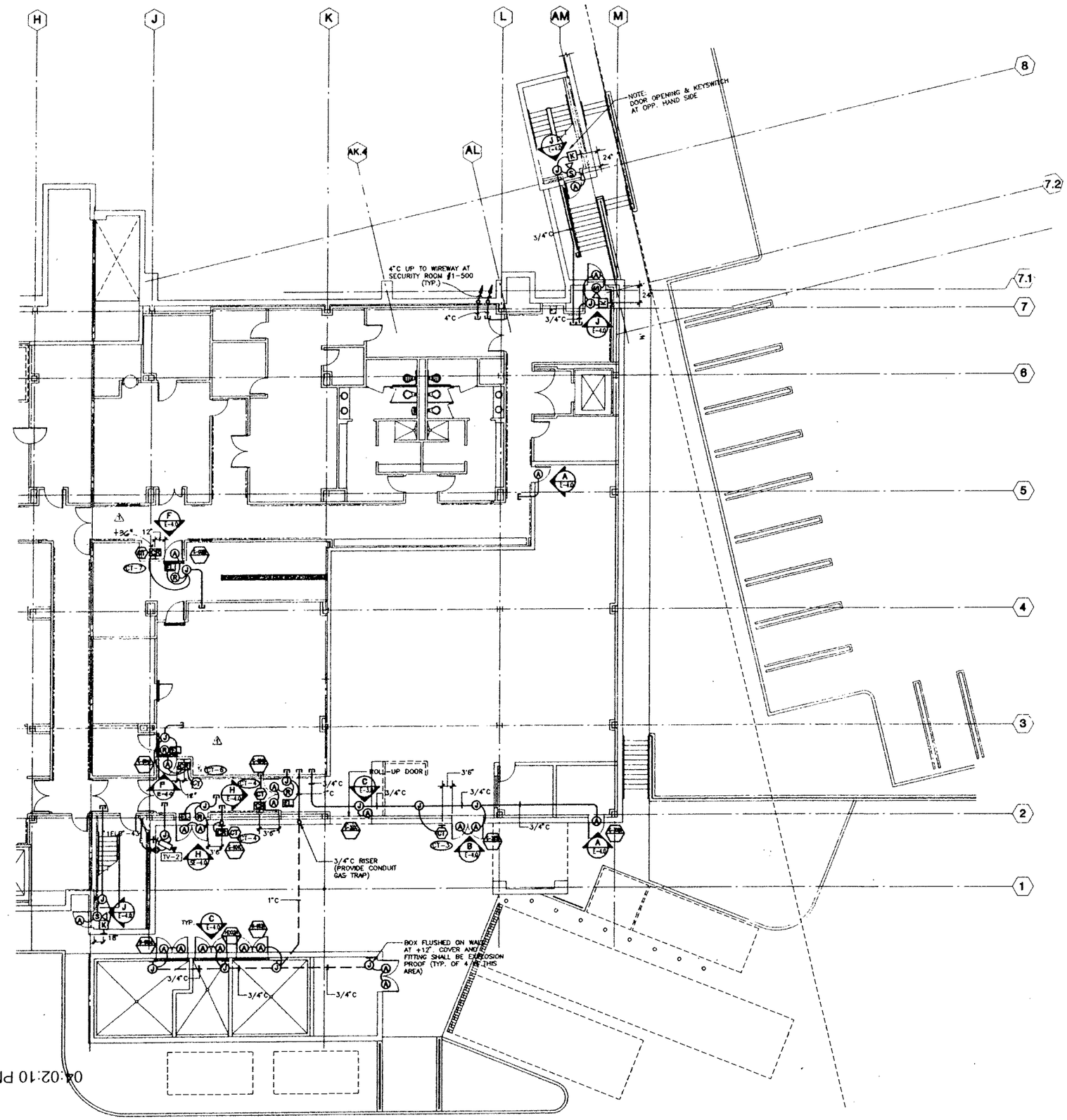
Scale: 1/8"=1'-0"

Project No.		Drawing No.
19210.01	B2 BULLETIN	E2.1B
Date 24 JAN 1992		

000789

1300-11

4561; 1-23-91; E2.1B; RR
4561; 4-8-91; GROUND_B; EMR



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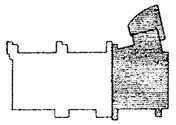

SHEET NOTES

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Revisions

No.		Date
1	ADDENDUM NO.2	6-12-91
2	PLAN CHECK REVISIONS / BULLETIN NO. 1	[illegible] 11NOV'91

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SECURITY GROUND LEVEL EASTERN PORTION

SCALE: 1/8"=1'-0"

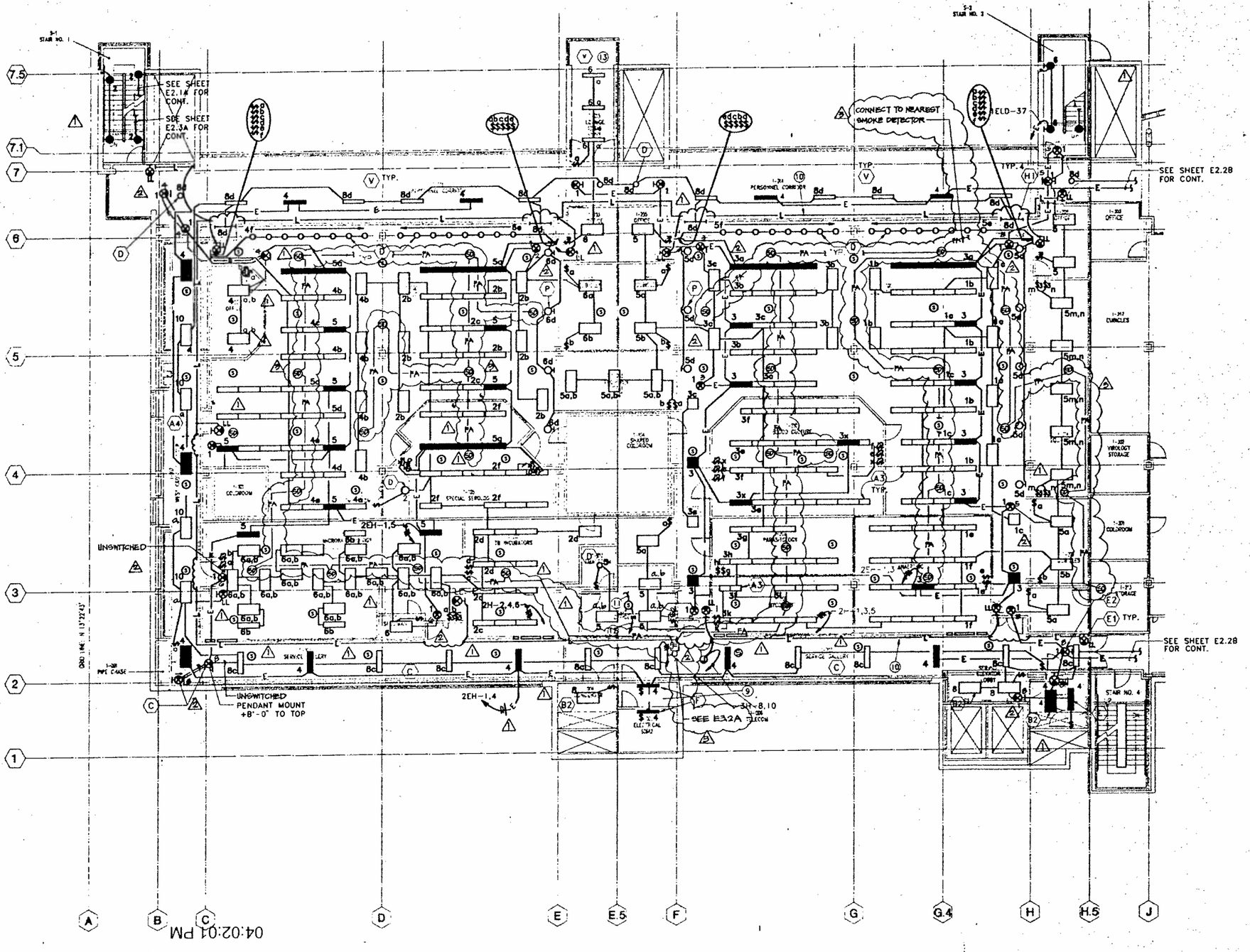
Project No.		Drawing No.
19210.01	B1	E-2.2
Date 20 MAY 1991	BULLETIN	

NO.	TITLE	PROJECT NO. 19210.01

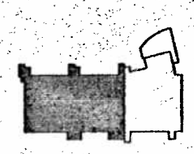
000796

FIXTURE TYPE V BALLAST SYSTEM:

BALLASTS SHALL BE REMOTE MOUNTED. INSTALL BALLASTS IN ACCESSIBLE LOCATION WITHIN THE LAB AREAS. THE BALLASTS SHALL BE INSTALLED IN NEMA 1 SCREW ON COVER ENCLOSURE. EACH ENCLOSURE SHALL HOUSE 4 BALLASTS MAXIMUM; ENCLOSURE SIZE AS REQUIRED TO ACCOMODATE BALLASTS.



KEY PLAN



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2. UNLESS OTHERWISE NOTED, 2X4 LIGHT FIXTURES SHOWN SHALL BE TYPE A1.
3. UNLESS OTHERWISE NOTED, 2X2 LIGHT FIXTURES SHOWN SHALL BE TYPE A2.
4. UNLESS OTHERWISE NOTED, EXIT SIGNS (NOT THE LOW LEVEL TYPE) SHOWN SHALL BE FIXTURE TYPE E.
5. UNLESS OTHERWISE NOTED, WALL MOUNTED LIGHT FIXTURES ON STAIRWELLS SHALL BE TYPE K.
6. EXIT SIGNS & EMERGENCY LIGHTS SHALL BE CONNECTED TO PANEL 2EH WITH CIRCUIT NUMBER SHOWN.
7. LIGHT FIXTURES ON NORMAL POWER SHALL BE CONNECTED TO PANEL 2H WITH CIRCUIT NUMBER SHOWN, UNLESS OTHERWISE NOTED.
8. NOT USED.
9. TO POWER SUPPLY CONTROL BOX IN ELECT. ROOM 1-005, SEE PART PLAN ON SHEET E3.2A.
10. LOW LEVEL EXIT PATH LIGHTING TYP.
11. CONNECT TO OTHER SPEAKERS ON THIS PLAN.
12. 3/4"C WITH P. CABLES TO PATC.
13. EXCEPT FIXTURE IS CEILING PENDANT MOUNT.

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Revisions

No.		Date
1	ADDENDUM NO. 1	15MAY'91
2	PLAN CHECK REVISIONS / BULLETIN NO. 1	11NOV'91
3	BULLETIN NO. 2	

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LEVEL ONE WEST - LIGHTING & SYSTEM PLAN

Scale: 1/8" = 1'-0"

Project No.		Drawing No.
19210.01	B2	E2.2A
Date 24 JAN 1992	BULLETIN	

PROJECT NO. 19210.01

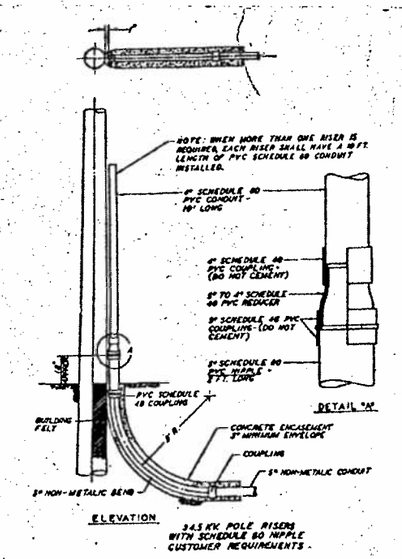
SCALE TITLE

DWG. TITLE

NOTES

Latest
4561: 5-8-91: E2.2A: RR
4561: 4-8-91: LABIA: EMR

000791



DETAIL - CONDUIT RISERS AT POWER POLE

NOT TO SCALE.

FIXTURE TYPE V BALLAST SYSTEM:

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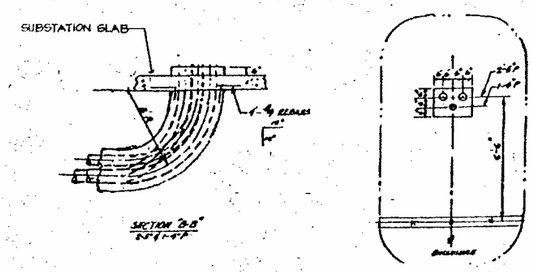
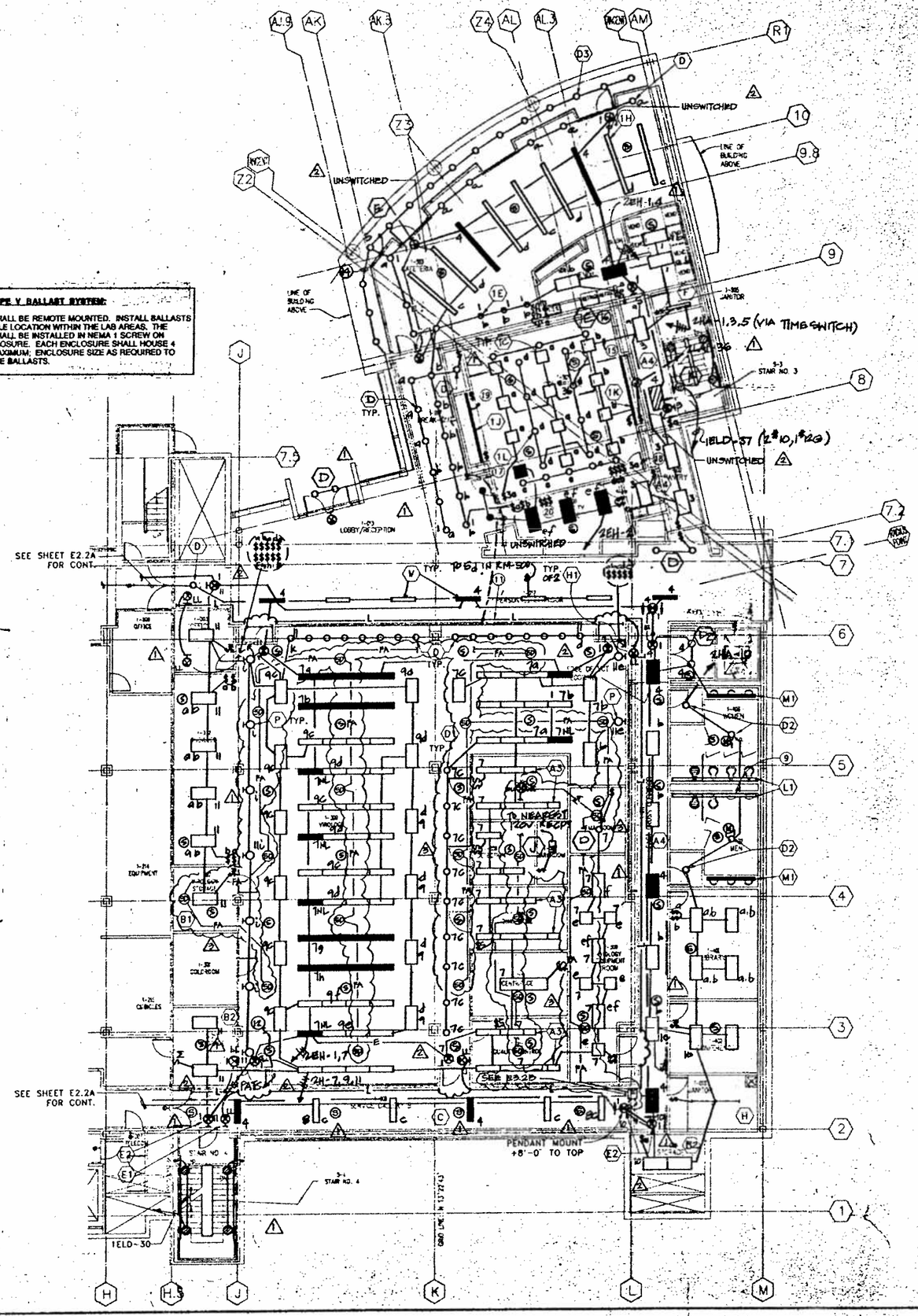
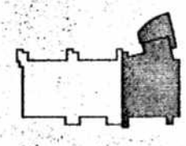


DETAIL - HV CONDUIT TERMINATION

NOT TO SCALE



KEY PLAN



SHEET NOTES

1. UNLESS OTHERWISE NOTED, 1X4 LIGHT FIXTURES SHOWN SHALL BE TYPE A.
2. UNLESS OTHERWISE NOTED, 2X4 LIGHT FIXTURES SHOWN SHALL BE TYPE A1.
3. UNLESS OTHERWISE NOTED, 2X2 LIGHT FIXTURES SHOWN SHALL BE TYPE A2.
4. UNLESS OTHERWISE NOTED, EXIT SIGNS (NOT THE LOW LEVEL) SHOWN SHALL BE FIXTURE TYPE E.
5. UNLESS OTHERWISE NOTED, WALL MOUNTED LIGHT FIXTURES ON STAIRWELLS SHALL BE TYPE K.
6. EXIT SIGNS & EMERGENCY LIGHTS SHALL BE CONNECTED TO PANEL 2EH WITH CIRCUIT NUMBER SHOWN.
7. LIGHT FIXTURES ON NORMAL POWER SHALL BE CONNECTED TO PANEL 2H WITH CIRCUIT NUMBER SHOWN, UNLESS OTHERWISE NOTED.
8. NOT USED.
9. MOUNT 2" BELOW CEILING LINE TO TOP OF FIXTURE, TYPICAL.
10. TO POWER SUPPLY CONTROL BOX IN ELECT. ROOM 1-005. SEE PART PLAN ON SHEET E3.2A.
11. LOW LEVEL EXIT PATH LIGHTING, TYPICAL.
12. CONNECT TO OTHER SPEAKERS ON THIS PLAN.
13. 3/4"C WITH P. CABLES TO PATC.
14. CKT 2HA-5 CONTROL BY 24 HOUR TIME SWITCH; ON AT 5:30 PM, OFF AT 12 MIDNIGHT. MOUNT TIME SWITCH (TORK NO. 1100) NEAR PNL 2HA.
15. CKT 2VA-3.
16. TYP OF 8; 3 NEAR NORTH WALL, 5 NEAR SOUTH WALL.
17. TYP OF 8; CENTER OF ROOM.
18. SWITCHES WITHIN THIS CONFERENCE ROOM SHALL BE LUTRON SERIES:
    A. NT-3P-S FOR 3 WAY (2 LOC.)
    B. NT-1P-S FOR SINGLE POLE (5 LOC.)
    C. NT-1000 FOR DIMMER SWITCH SD.
19. CONNECT TO REC. CKT 2LAI-7. SEE E3.2B.
20. SWITCHES FOR PERSONNEL CORRIDOR LIGHTS:
    Sb = LEVEL TWO
    Sd = LEVEL ONE
    Sc = LEVEL TWO HID.

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Revisions

No.		Date
1	ADDENDUM NO.1	15MAY91
2	PLAN CHECK REVISIONS / BULLETIN NO. 1	[illegible]
3	BULLETIN NO. 2	11NOV91

NOTE TO ELECTRICAL PLAN CHECKER:
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Southern California Region

LEVEL ONE EAST - LIGHTING & SYSTEM PLAN

Scale: 1/8" = 1'-0"

Project No. 19210.01-

Date 24 JAN 1992

B2 BULLETIN

Drawing No. E2.2B

PROJECT NO. 19210.01

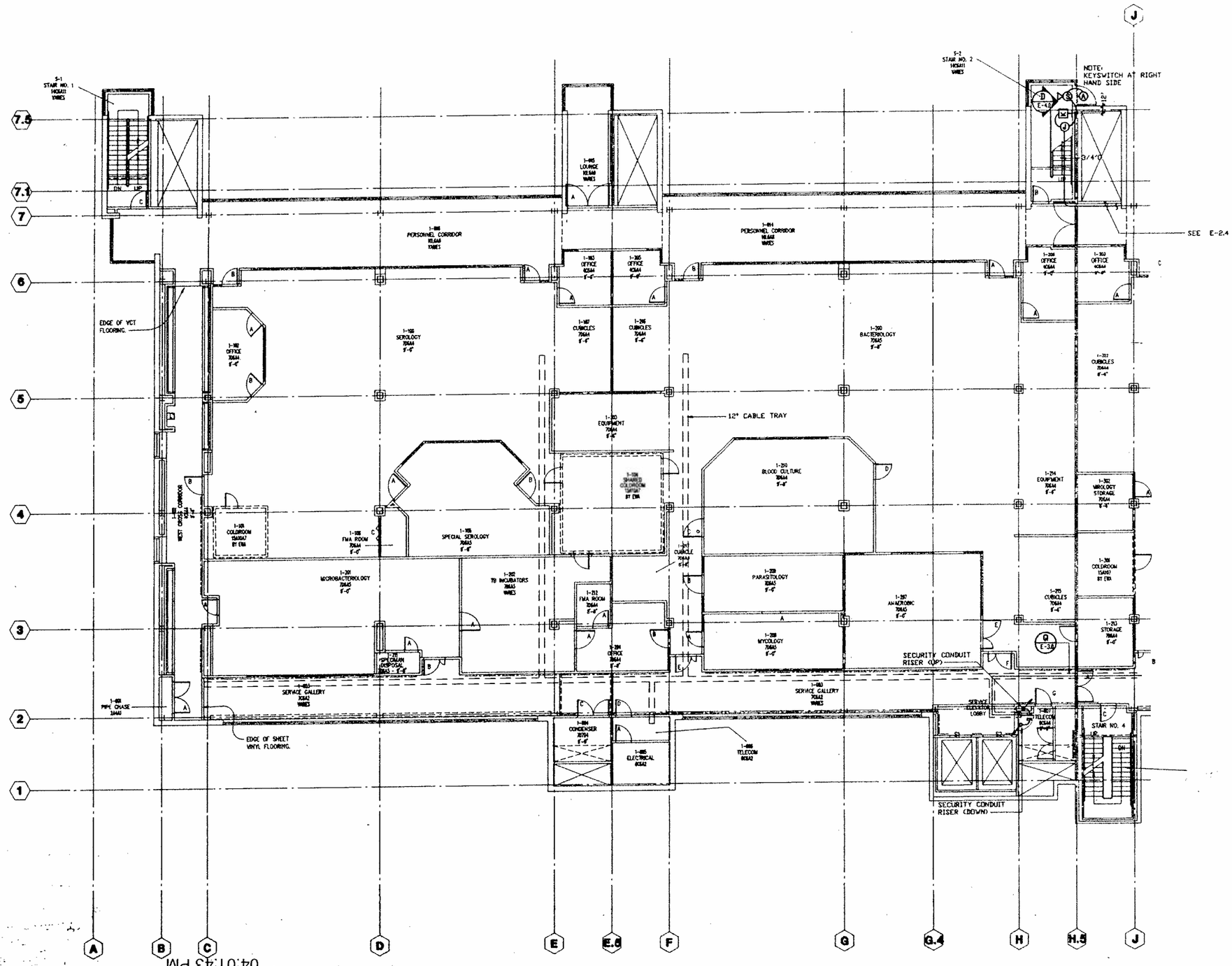
SCALE FILE | NO. | DWG. TITLE | NOTES

04:01:51 PM

4561; 12-23-90; E2.2B; RR
4561; 4-8-91; LAB1B; EMR

000792

130a-11



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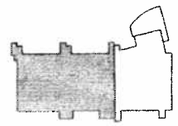

SHEET NOTES

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Revisions

No.		Date
1	PLAN CHECK REVISIONS / BULLETIN NO. 1	11NOV91

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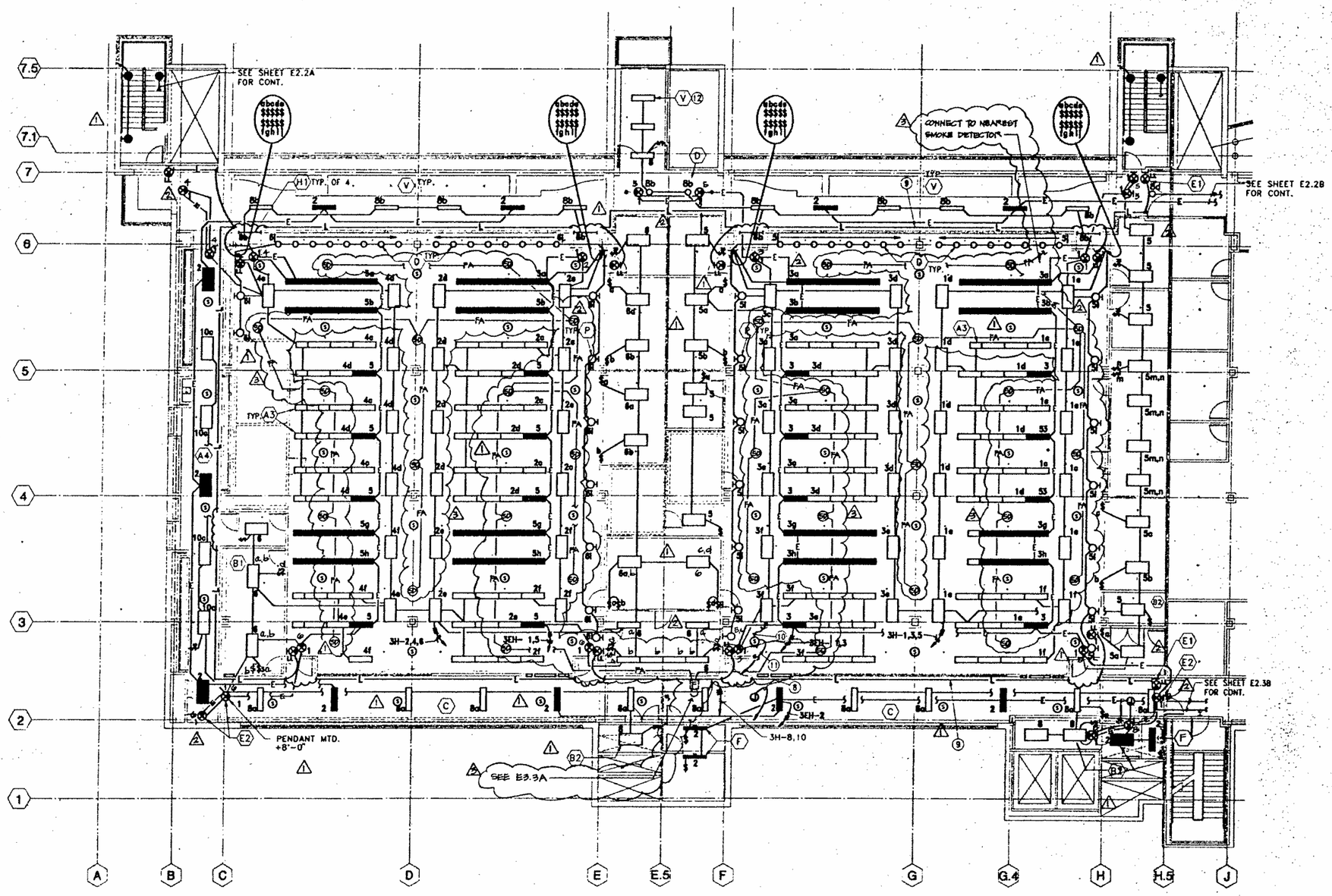
SECURITY LAB LEVEL ONE WESTERN PORTION

SCALE: 1/8" = 1'-0"

Project No.		Drawing No.
19210.01	B1	E-2.3
Date 20 MAY 1991	BULLETIN	

000793

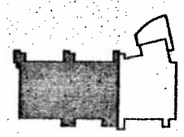


04:01:30 PM

FIXTURE TYPE V BALLAST SYSTEM :

BALLASTS SHALL BE REMOTE MOUNTED. INSTALL BALLASTS IN ACCESSIBLE LOCATION WITHIN THE LAB. AREAS. THE BALLASTS SHALL BE INSTALLED IN NEMA 1 SCREW ON COVER ENCLOSURE. EACH ENCLOSURE SHALL HOUSE 4 BALLASTS MAXIMUM; ENCLOSURE SIZE AS REQUIRED TO ACCOMODATE BALLASTS.

KEY PLAN



SHEET NOTES

1. UNLESS OTHERWISE NOTED, 1X4 LIGHT FIXTURES SHOWN SHALL BE TYPE A.
2. UNLESS OTHERWISE NOTED, 2X4 LIGHT FIXTURES SHOWN SHALL BE TYPE A1.
3. UNLESS OTHERWISE NOTED, 2X2 LIGHT FIXTURES SHOWN SHALL BE TYPE A2.
4. UNLESS OTHERWISE NOTED, EXIT SIGNS (NOT THE LOW LEVEL) SHOWN SHALL BE FIXTURE TYPE E.
5. UNLESS OTHERWISE NOTED, WALL MOUNTED LIGHT FIXTURES ON STAIRWELLS SHALL BE TYPE K.
6. EXIT SIGNS & EMERGENCY LIGHTS SHALL BE CONNECTED TO PANEL 3EH WITH CIRCUIT NUMBER SHOWN.
7. LIGHT FIXTURES ON NORMAL POWER SHALL BE CONNECTED TO PANEL 3H WITH CIRCUIT NUMBER SHOWN, UNLESS OTHERWISE NOTED.
8. TO POWER SUPPLY CONTROL BOX IN ELECT. RDOM 2-006. SEE PART PLAN ON SHEET E3.3A.
9. LOW LEVEL EXIT PATH LIGHTING, TYP.
10. CONNECT TO OTHER SPEAKERS ON THIS PLANS.
11. 3/4" WITH P. CABLES TO PATC.
12. EXCEPT FIXTURE IS CEILING PENDANT MOUNT.

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Revisions

No.		Date
1	ADDENDUM NO. 1	16MAY91
2	PLAN CHECK REVISIONS / BULLETIN NO. 1	[illegible]
3	BULLETIN NO. 2	11NOV91

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Kaiser Permanente Medical Care Program
Southern California Region

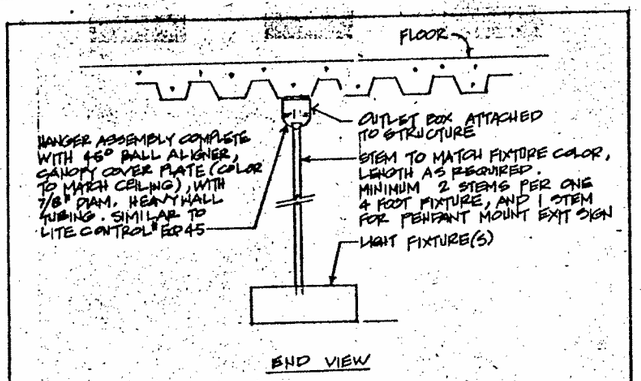
LEVEL TWO WEST - LIGHTING & SYSTEM PLAN

Scale: 1/8"=1'-0"

Project No.		Drawing No.
19210.01	B2 BULLETIN	E2.3A
Date 24 JAN 1992		

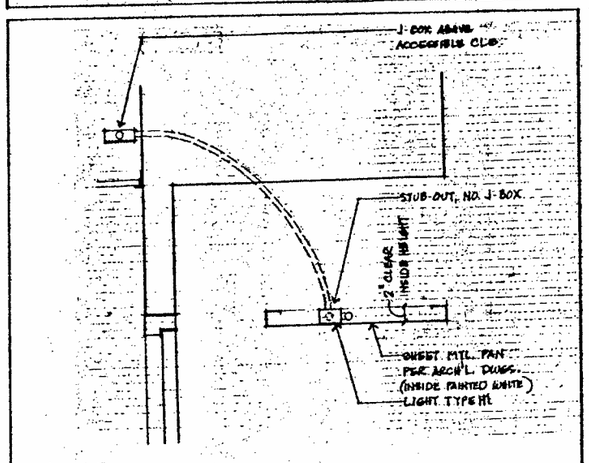
000794

4561; 4-11-91; E2.3A; RR/DK
4561; 4-8-91; LAB2A; EMR



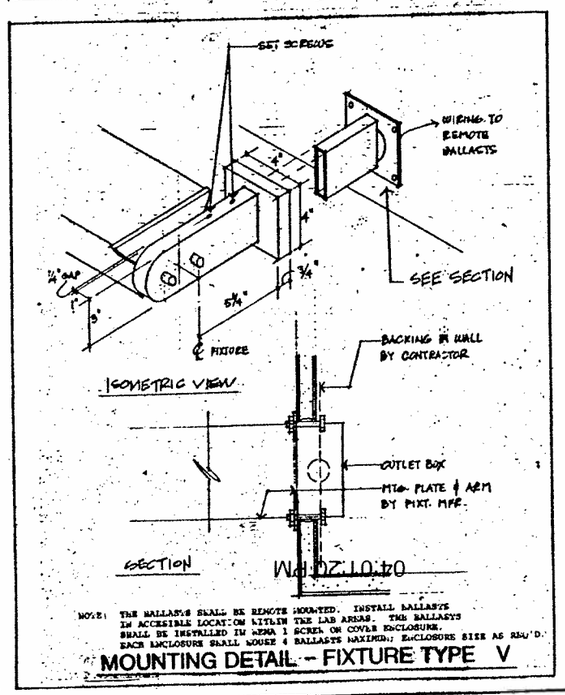
MOUNTING DETAIL – SUSPENDED FIXTURES

NOT TO SCALE



MOUNTING DETAIL – FIXTURE TYPE H1

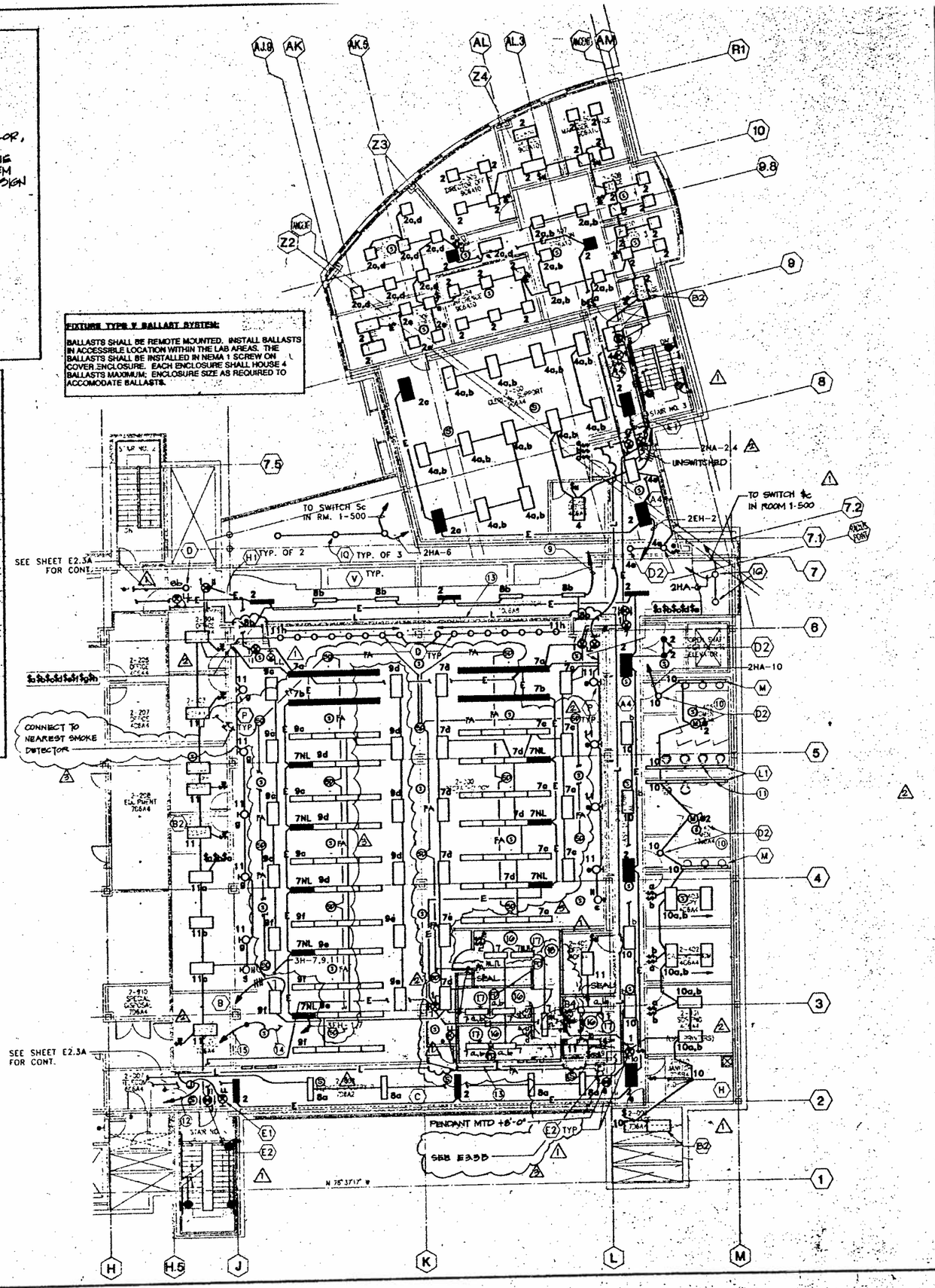
NOT TO SCALE



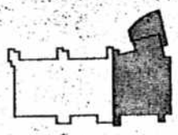
MOUNTING DETAIL – FIXTURE TYPE V

FIXTURE TYPE V BALLAST SYSTEM:

BALLASTS SHALL BE REMOTE MOUNTED. INSTALL BALLASTS IN ACCESSIBLE LOCATION WITHIN THE LAB AREAS. THE BALLASTS SHALL BE INSTALLED IN NEMA 1 SCREW ON COVER ENCLOSURE. EACH ENCLOSURE SHALL HOUSE 4 BALLASTS MAXIMUM; ENCLOSURE SIZE AS REQUIRED TO ACCOMODATE BALLASTS.



KEY PLAN



SHEET NOTES

1. UNLESS OTHERWISE NOTED, 1X4 LIGHT FIXTURES SHOWN SHALL BE TYPE A.
2. UNLESS OTHERWISE NOTED, 2X4 LIGHT FIXTURES SHOWN SHALL BE TYPE A1.
3. UNLESS OTHERWISE NOTED, 2X2 LIGHT FIXTURES SHOWN SHALL BE TYPE A2.
4. UNLESS OTHERWISE NOTED, EXIT SIGNS (NOT THE LOW LEVEL) SHOWN SHALL BE FIXTURE TYPE E.
5. UNLESS OTHERWISE NOTED, WALL MOUNTED LIGHT FIXTURES ON STAIRWELLS SHALL BE TYPE K.
6. EXIT SIGNS & EMERGENCY LIGHTS SHALL BE CONNECTED TO PANEL 3EH WITH CIRCUIT NUMBER SHOWN.
7. LIGHT FIXTURES ON NORMAL POWER SHALL BE CONNECTED TO PANEL 3H WITH CIRCUIT NUMBER SHOWN, UNLESS OTHERWISE NOTED.
8. NOTE NOT USED.
9. DOWN TO SWITCH b IN SECURITY OFFICE LEVEL ONE ROOM. 1-500.
10. LIGHTS IN THIS ROOM SHALL BE CONTROLLED BY MOTION SENSOR.
11. MOUNT 2" BELOW CEILING LINE TO TOP OF FIXTURE, TYP.
12. TO POWER SUPPLY CONTROL BOX IN ELECT. RM. 2-006, SEE PART PLAN ON SHEET E3.3A.
13. LOW LEVEL EXIT PATH LIGHTING, TYP.
14. CONNECT TO SPEAKERS ON THIS PLAN.
15. 3/4"C WITH P. CABLES TO PATC.
16. WIRING WITHIN THIS SPACE SHALL COMPLY WITH NEC ARTICLE 501, FOR CLASS I DIVISION 1; SWITCHES SHALL BE EXPLOSION PROOF, CONDUITS SHALL BE RIGID, AND SEAL CONDUIT LEAVING THE ROOM.
17. EXPLOSION PROOF FLUORESCENT FIXTURE WITH 3-F40CW LAMPS PER FIXTURE; APPLETON CAT. NO. ARS 340-HB 277 WITH ALC BALL HANGER AS REQUIRED. MOUNT +8'-0" TO BOTTOM OF FIXTURE.
18. EXPLOSION PROOF FLAME DETECTOR; PYROTRONICS DF-9 WITH BASE. TYPICAL OF 9 LOCATIONS.

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Revisions

No.		Date
1	ADDENDUM NO. 1	15 MAY 91
2	PLAN CHECK REVISIONS/ BULLETIN NO. 1	[illegible]
3	BULLETIN NO. 2	11 NOV 91

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LEVEL TWO EAST - LIGHTING & SYSTEM PLAN

Scale: 1/8" = 1'-0"

Project No. 19210.01

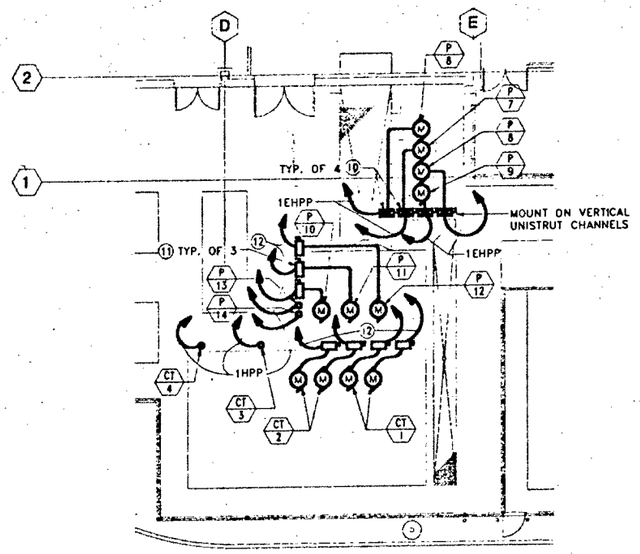
Date 24 JAN 1992

Drawing No. B2 BULLETIN E2.3B

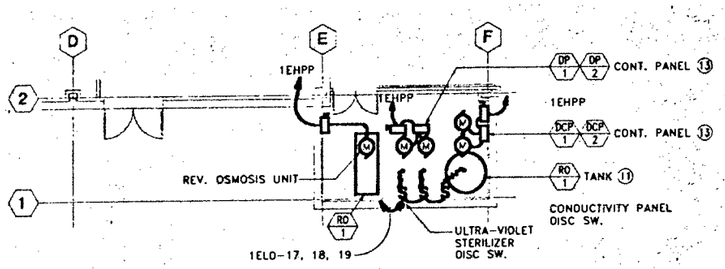
(500-1)

000795

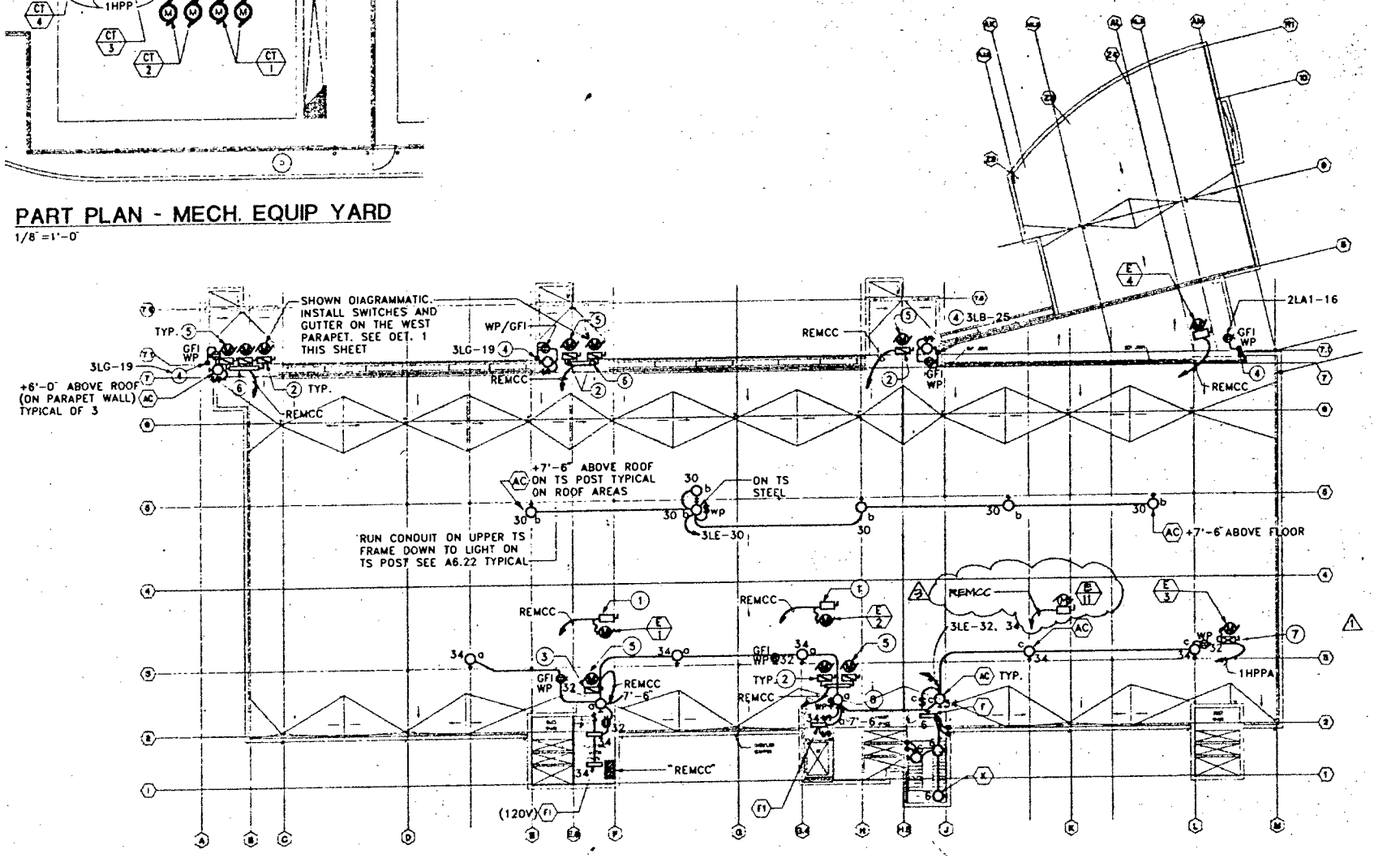
4561; 4-11-90; E2.3B; RR, SY
4561; 4-8-91; LAB2B; EMR



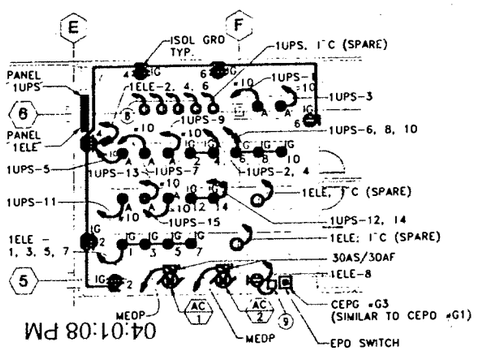
PART PLAN - MECH. EQUIP YARD
1/8"=1'-0"



PART PLAN - WATER TREAT. RM. G-201
1/8"=1'-0"



ROOF PLAN
1/16"=1'-0"



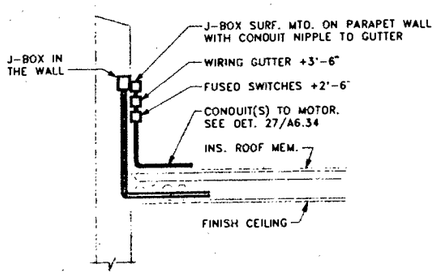
RECEPTACLE TYPE:

- = 30A, 120V, NEMA 5-30R ISO. GROUND
- = 20A, 120V, NEMA 5-20R ISO. GROUND

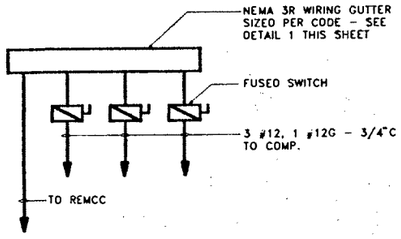
NOTES:

1. PRIOR TO START OF INSTALLATION, CONFIRM EQUIPMENT LAYOUT, ELEC. POWER REQMT'S AND RECEPTACLE CONFIGURATIONS WITH KAISER.
2. AT EACH OUTLET LOCATION SHOWN, CUT A 6" SQUARE OPENING ON THE RAISED FLOOR TILE.

PART PLAN - TEL./DATA EQUIP. RM. G-204
1/8"=1'-0"



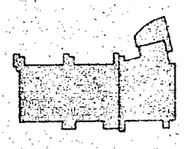
DETAIL 1
N.T.S.



NOTE: COMPRESSORS AT LINES 7/E AND H/3 SHALL BE SIMILAR, EXCEPT NUMBER OF FUSED SWITCHES.

COMPRESSOR NO. 7, 8, & 9 AT LINE 7/A
N.T.S.

KEY PLAN



SHEET NOTES

1. NON-FUSED DISCONNECT SWITCH IN NEMA 3R ENCLOSURE; 480V, 3 POLE 100A SWITCH.
2. FUSED DISCONNECT SWITCH IN NEMA 3R ENCLOSURE; 480V, 3 POLE, 30A SWITCH, 15A FUSES CLASS RK5.
3. FUSED DISCONNECT SWITCH IN NEMA 3R ENCLOSURE; 480V, 3 POLE, 30A SWITCH, 20A FUSES CLASS RK5.
4. DOWN TO LEVEL TWO CORRIDOR.
5. COMPRESSOR UNIT FOR LAB COLD BOX.
6. WIRING GUTTER IN NEMA 3R ENCLOSURE, SIZED PER CODE. SPLICE MOTOR CIRCUIT AT THIS LOCATION. SEE DETAIL THIS SHEET.
7. COMBINATION FUSED DISCONNECT AND MAGNETIC STARTER IN NEMA 3R ENCLOSURE; 100A SWITCH, 80A FUSES CLASS RK5, SIZE 3 STARTER WITH HOA DEVICE AND OL HEATER.
8. 2"C TO PBX RECTIFIER LOCATION (ON SHEET E3.1A).
9. CONTACTOR WITH 120V COIL; 4 - N.O. AND 2 - N.C. CONTACTS SEE EPO DIAGRAM OF E5.2. TO SHUT DOWN PANEL 1UPS AND 1ELE, FEEDER TO AC-1 AND 2 UNITS. PROVIDE CONDUIT AND WIRES TO PANELS.
10. CONBINATION NON-FUSED DISC SWITCH AND MAGNETIC STARTER IN NEMA 3R ENCLOSURE; 30A SWITCH, SIZE 1 WITH HOA DEVICE AND OL HEATERS.
11. 60A, 3P, NON-FUSED DISC SWITCH IN NEMA 3R ENCLOSURE.
12. 1EMCC
13. CONTROL PANEL BY MECH. DIVISION.

GENERAL NOTES:

1. ALL DISCONNECT SWITCHES AND COMBINATION SWITCH/STARTERS ON ROOF LEVEL SHALL BE NEMA 3R ENCLOSURES.
2. ALL RECEPTACLES AND TOGGLE SWITCHES ON ROOF LEVEL SHALL BE WITH WEATHERPROOF COVER.
3. CONDUIT HOMERUNS TO MCC OR PANEL SHALL BE ROUTED BELOW ROOF LEVEL. NO CONDUITS ARE PERMITTED TO RUN EXPOSED ON THE ROOF (EXCEPT FINAL TERMINATION TO EQUIPMENT).
4. REFER TO APPLICABLE DETAILS ON SHEETS A6.34 FOR ROOF PENETRATIONS. DET. #37 AND CONDUIT (PIPE) RUN ON ROOF DECKING, DET. #27.

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Revisions

No.		Date
1	ADDENDUM NO. 2	12JUN91
2	PLAN CHECK REVISIONS / BULLETIN NO. 1	11NOV91
3	BULLETIN NO. 2	

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ROOF PLAN - ELECTRICAL & PART PLANS

Scale: AS SHOWN

Project No.		Drawing No.
19210.01	B2	E2.4
Date 24 JAN 1992	BULLETIN	

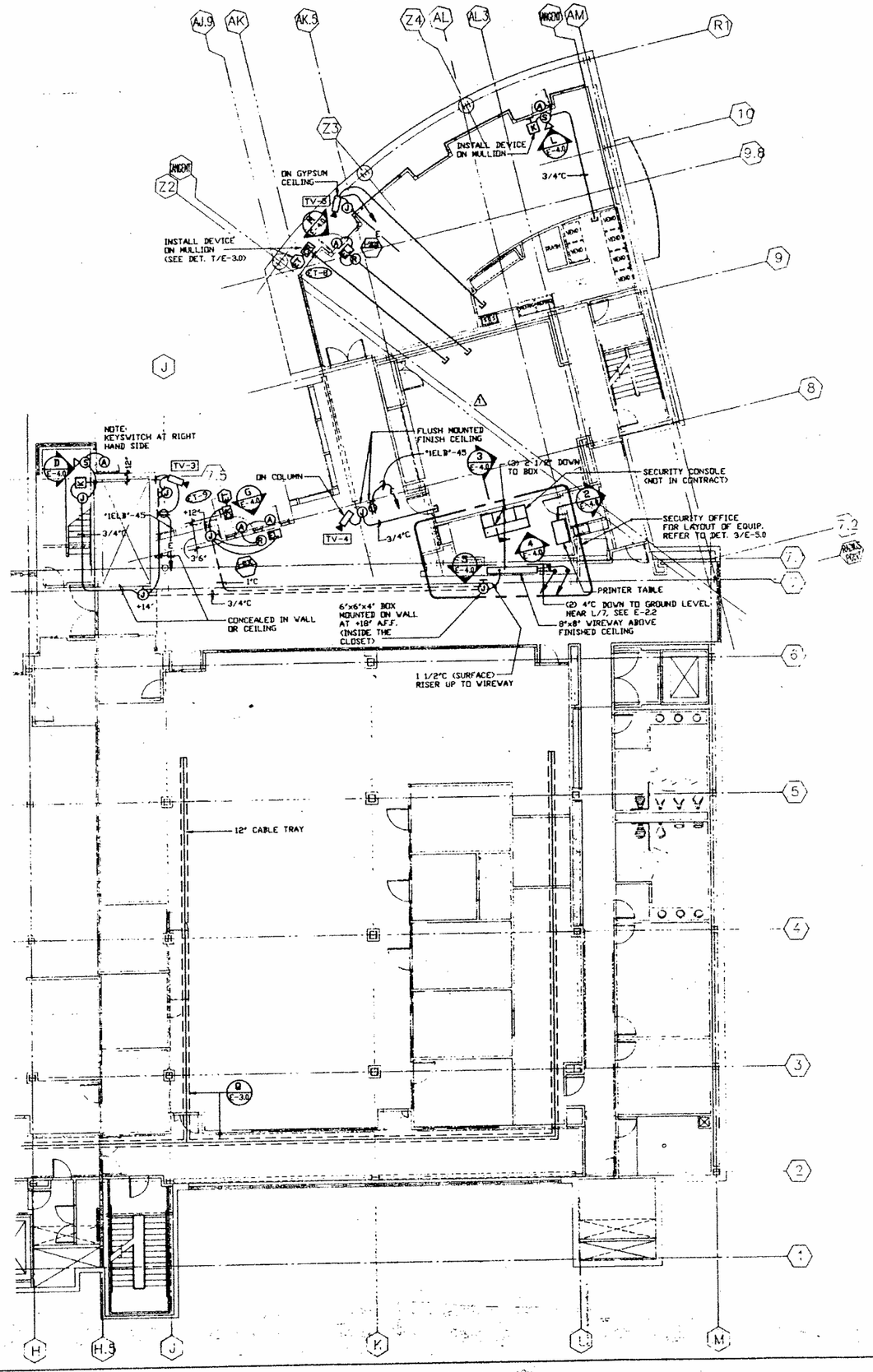
PROJECT NO. 19210.01

SHAY TITLE	NO.	DWG. TITLE	NOTES

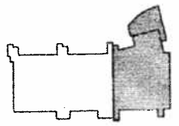
4561; 4-6-91; E2.4; OK,SY
4561; 9-28-90; ROOF; EMR

1300-11

000796



KEY PLAN



SHEET NOTES

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Structural Engineer

GAYNER ENGINEERS
1133 Post Street
San Francisco California 94109

Mechanical Engineer

Electrical Engineer

REGISTERED PROFESSIONAL ENGINEER
Mark Gaynor
No. 8595
ELECTRICAL
STATE OF CALIF.

KELLER MITCHELL CARONNA
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San Francisco California 94108

Landscape Architect

EARL WALLS ASSOCIATES
5348 Carroll Canyon Road
San Diego California 92121

Laboratory Engineer

Laboratory Mechanical Engineer

Laboratory Electrical Engineer

Revisions

No.		Date
1	ADDENDUM NO. 2	6-12-91
2	PLAN CHECK REVISIONS / BULLETIN NO. 1	[redacted]

NOTE TO ELECTRICAL PLAN CHECKER: THE FIRE ALARM SYSTEM IS NOT A PART OF THIS ELECTRICAL PERMIT APPLICATION. IT WILL BE SUBMITTED BY THE CONTACTOR OF THE FIRE ALARM SYSTEM FOR APPROVAL BY THE CITY FIRE DEPARTMENT

Regional Reference Laboratory
11440 Sherman Way
North Hollywood–Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

SECURITY LAB LEVEL ONE EASTERN PORTION

SCALE: 1/8"=1'-0"

Project No. 19210.01

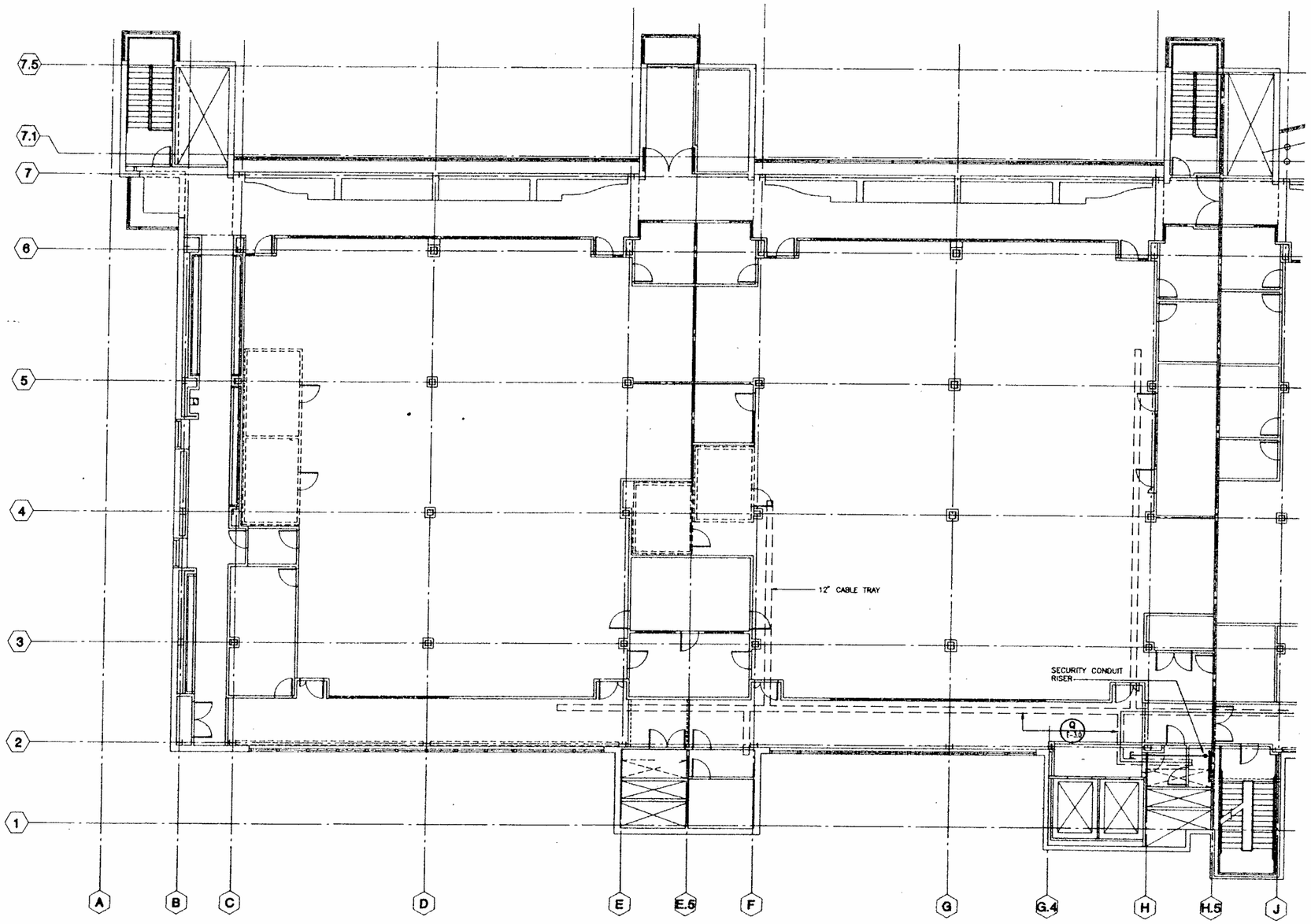
Date [redacted]

B1

Drawing No. E-2.4A

04:00:59 PM

000797



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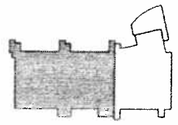
NO.	TITLE	PROJECT NO. 19210.01
SUB. TITLE		
NOTES		

KEY PLAN



SHEET NOTES

SMP

Stone
Marraccini
Patterson

Architecture
Planning
Interior Architecture

One Market Plaza
Spear Street Tower
Suite 400
San Francisco
CA 94105

415 227-0100

Architect,AIA

Tech. Coord. Checked Tech. Arch.

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Revisions

No.		Date
1	PLAN CHECK REVISIONS / BULLETIN NO. 1	[illegible] 11NOV'91

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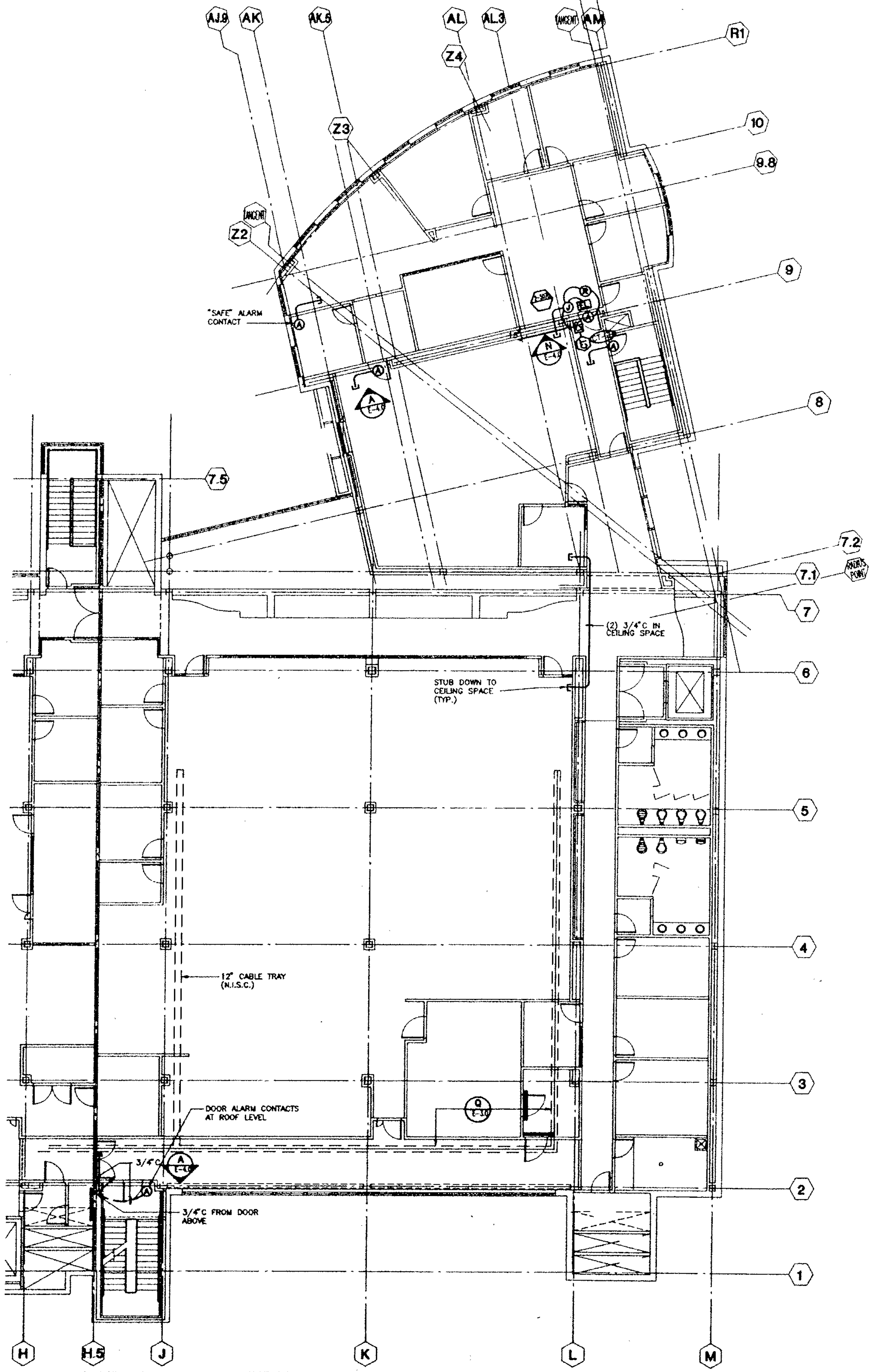
SECURITY LAB LEVEL TWO WESTERN PORTION

SCALE: 1/8" = 1'-0"

Project No.		Drawing No.
19210.01	B1	E-2.5
Date 20 MAY 1991	BULLETIN	

000798



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PROJECT NO. 19210.01

JV TITLE

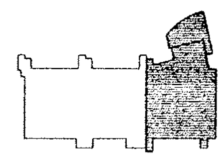
NO.

DWG TITLE

NOTES

SMP

KEY PLAN



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No.		Date
1	PLAN CHECK REVISIONS./ BULLETIN NO. 1	8 NOV '91

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SECURITY LAB LEVEL TWO EASTERN PORTION

1 SCALE: 1/8" = 1'-0"

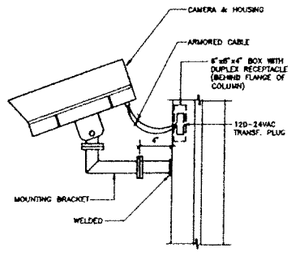
Project No. 19210.01

Date 20 MAY 1991

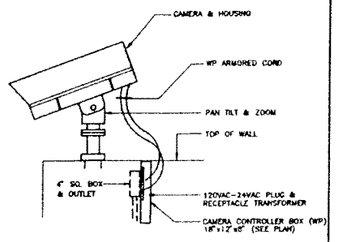
B1 BULLETIN

Drawing No. E-2.6

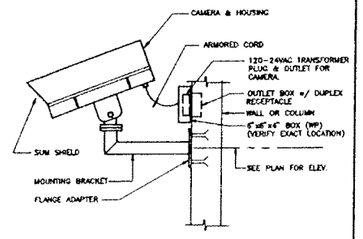
000799



N / E-3.0 CAMERA ON STRUCTURAL COLUMN
N.T.S.



R / E-3.0 WALL TOP MOUNTED CAMERA"TV-1"
N.T.S.



N / E-3.0 WALL MOUNTED CAMERA
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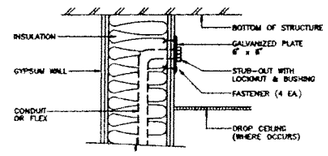
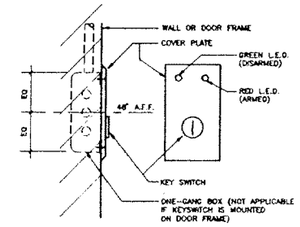
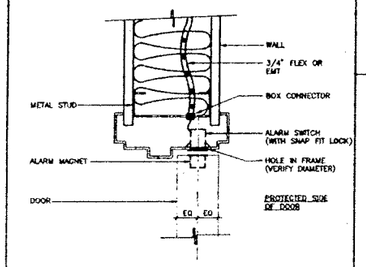


J / E-3.0 FIRE RATED WALL PARTITION CONDUIT STUB-OUTS
N.T.S.



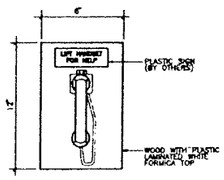
SECTION

E / E-3.0 KEYSWITCH (LOCAL ALARM) MOUNTING DETAIL
N.T.S.

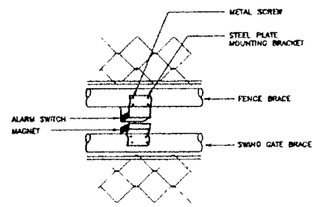


NOTE
REFER TO DOOR SCHEDULE FOR FRAME CONSTRUCTION. SEE FLOOR PLAN FOR ACTUAL OPENING OF DOOR

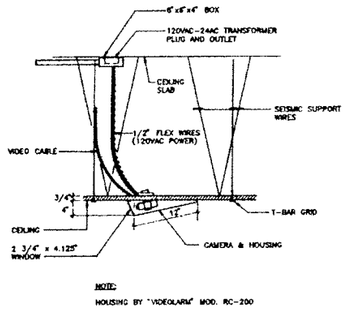
A / E-3.0 ALARM CONTACTS MOUNTING DETAIL



TYPE "W-1" (INTERIOR)

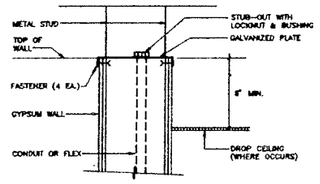


S / E-3.0 FENCE DOOR ALARM CONTACT
N.T.S.



NOTE:
HOUSING BY "VIDEOLARM" MOD. RC-200

O / E-3.0 GYPSUM CEILING CAMERA MOUNTING DETAIL
N.T.S.



K / E-3.0 STANDARD WALL PARTITION CONDUIT STUB-OUTS
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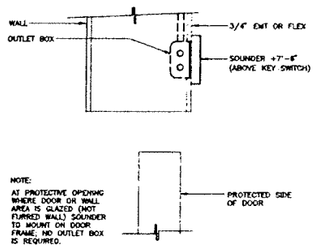
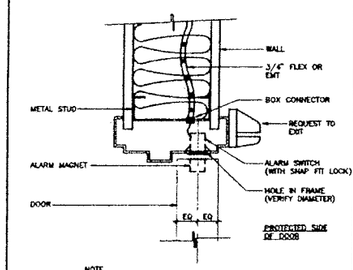


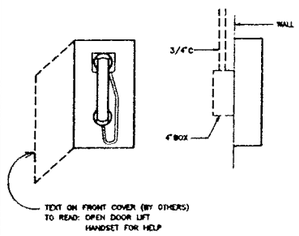
PLAN

F / E-3.0 SOUNDER (LOCAL ALARM) MOUNTING DETAIL
N.T.S.



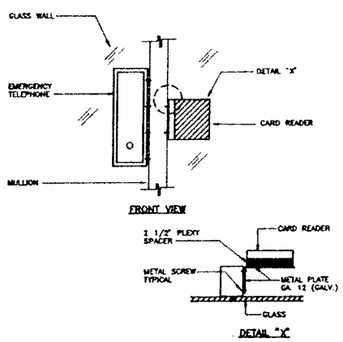
NOTE
REFER TO DOOR SCHEDULE FOR FRAME CONSTRUCTION. SEE FLOOR PLAN FOR ACTUAL OPENING OF DOOR.

B / E-3.0 ALARM CONTACTS / REQUEST TO EXIT

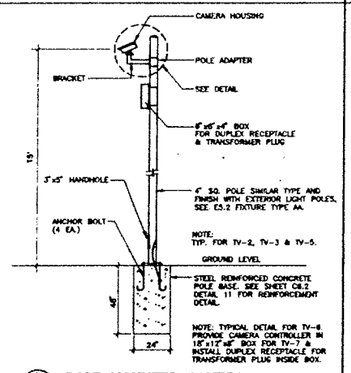


TYPE "W-2" (EXTERIOR)

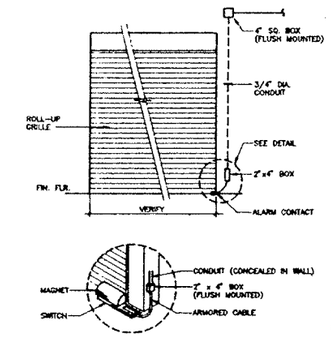
W / E-3.0 COURTESY TELEPHONE MOUNTING DETAIL
N.T.S.



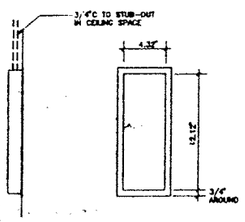
T / E-3.0 EMERGENCY TELEPHONE/ CARD READER ON GLASS WALL
N.T.S.



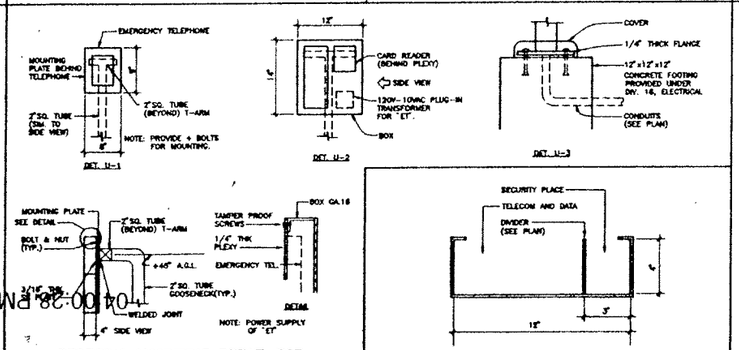
L / E-3.0 POLE MOUNTED CAMERA
N.T.S.



C / E-3.0 ROLL-UP DOOR CONTACTS

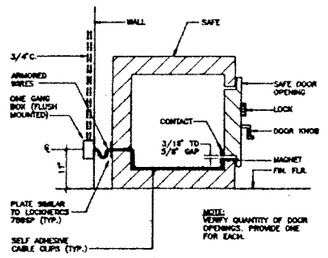


X / E-3.0 EMERGENCY TELEPHONE MOUNTING ON WALL
N.T.S.

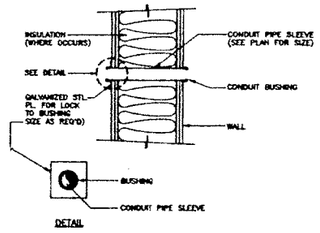


U / E-3.0 PEDESTAL MOUNTING DETAIL FOR EMERGENCY TELEPHONE/CARD READER
N.T.S.

Q / E-3.0 CABLE TRAY (N.I.S.C.) DETAIL
N.T.S.

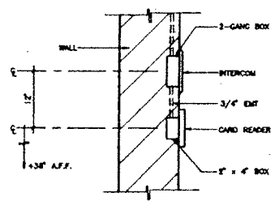


M / E-3.0 ALARM CONTACTS MOUNTING IN CASH SAFE
N.T.S.



DETAIL

H / E-3.0 CABLE PIPE SLEEVE DETAIL
N.T.S.



D / E-3.0 CARD READER & INTERCOM MOUNTING ON WALL
N.T.S.

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Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

MISCELLANEOUS MOUNTING DETAILS

SCALE : NONE

Project No. 19210.01
Date 30-MAY 1991
BULLETIN B1
Drawing No. E-3.0

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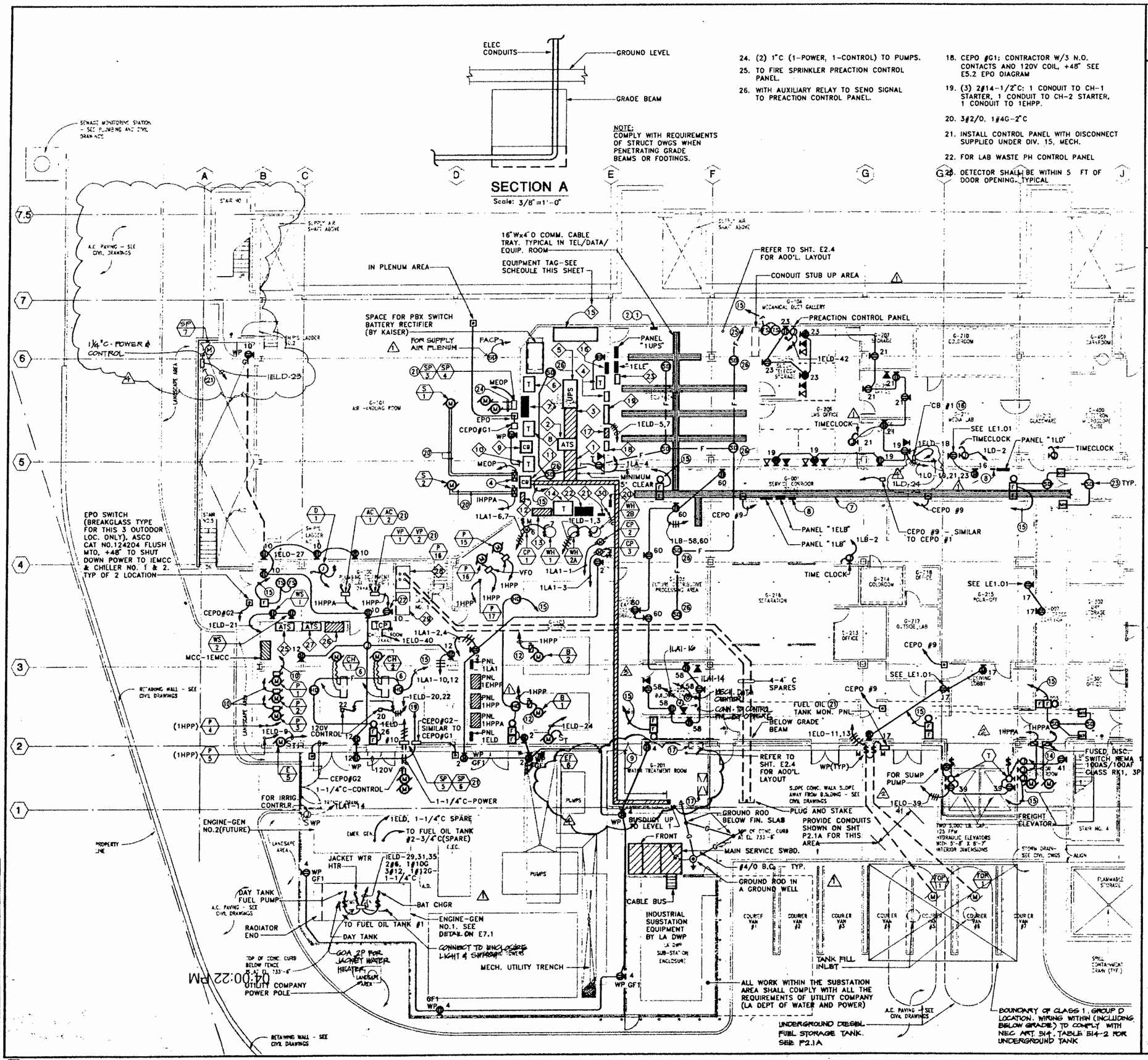
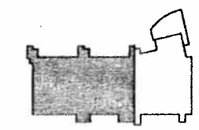
Revisions

No.		Date
1	ADDENDUM NO. 2	6-12-91
2	PLAN CHECK REVISIONS / BULLETIN NO. 1	[illegible]

000806



KEY PLAN



SHEET NOTES

1. GROUND BAR WALL MOUNT +12", 12"Wx4"hx1/4" THICK COPPER BAR.
2. 1#1/0 G-1"C TO MAIN GROUND BUS.
3. NOTE NOT USED.
4. REDUCED VOLTAGE STARTER AND FUSED DISCONNECT SWITCH IN NEMA 12 ENCLOSURE, STARTER NEMA SIZE 4, WYE-DELTA CLOSED TRANSITION, WITH OVERLOAD RELAYS, HOA SWITCH, 200A SWITCH/200A RK1 FUSES, 3 POLES.
5. SPARE CONDUITS.
6. CHILLER STARTER/MAIN DISCONNECT SUPPLIED UNDER MECHANICAL.
7. TELECOMM CABLE TRAY: 12"W X 4"D INSIDE DIMENSION.
8. 10"W X 4"H X 1/4" THICK COPPER BAR IN 12"H X 12"W X 4"D BOX WITH SCREW ON COVER; LABEL GROUND, FLUSH MOUNTED.
9. BUSDUCT WITHIN THIS AREA SHALL BE OF THE OUTDOOR TYPE.
10. "IEMCC"
11. UNDER DIV.15 MECH.
12. FUSED DISCONNECT SWITCH, 30 AMPS. SWITCH W/15A FUSE CLASS RK5.
13. 3 #8, 1 #10G - 1"C.
14. 1" C - TO MTTB IN RM. G-204.
15. TO FIRE ALARM CONTROL PANEL IN ELECT. ROOM.
16. LOW LEVEL EXIT PATH LIGHTING POWER SUPPLY CONTROL BOX #1 MOUNT AT +8'-9".
17. AREA FOR CONDUIT RISERS. (TEL ON NORTH SIDE, POWER ON EAST SIDE). COORDINATE WORK WITH PLUMBING AND STRUCTURAL. SEE SECTION A THIS SHEET.

EQUIPMENT SCHEDULE (SHOWN ◇)

1. SWBD NO.1 "MSB-1"
2. ATS #1
3. SWBD "MEOP"
4. ISOL. TRANSF. "ISOL-T"
5. UPS MODULE
6. TRANSFORMER "T-EDP1"
7. DIST. PANEL "1ELDP"
8. TRANSFORMER "T-EDPZ"
9. ENCLOSED CB FLOOR MTD.
10. TRANSFORMER "T-OP1"
11. ENCLOSED CB FLOOR MTD.
12. PANEL "1H"
13. DIST PANEL "1HOP"
14. TRANSFORMER "T-OPZ"
15. BATTERIES FOR UPS MODULE
16. UPS DIST. PANEL "UPS-DP"
17. PANEL "1EH"
18. PANEL "1LA"
19. FIRE ALARM CP "FACP"
20. INSTR. GROUND BUS BAR-SEE E7.1
21. COPPER GROUND BUS BAR-SEE E 7.1
22. DIST PANEL "1LDP"
23. PAGING SYSTEM MAIN EQUIPMENT.
24. 225A ENCLOSED CB FOR "ISOL-T".
25. FUTURE ATS #3 (CHILLER NO. 2).
26. SWBD. NO. 2 "MSB-2"
27. ATS #2 (CHILLER NO. 1)
28. FUTURE CH-3 DISC. SW.
29. FUTURE CH-3 STARTER
30. GROUND ROD

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Revisions

No.		Date
1	ADDENDUM NO.1	15MAR91
2	ADDENDUM NO.2	12JUN91
3	ADDENDUM NO.3	25JUN91
4	PLAN CHECK REVISIONS / BULLETIN NO.1	11NOV91

Regional Reference Laboratory
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Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

GROUND LEVEL WEST - POWER & SYSTEMS PLAN

Scale: 1/8"=1'-0"

Project No. 19210.01

Date 11 APR 1991

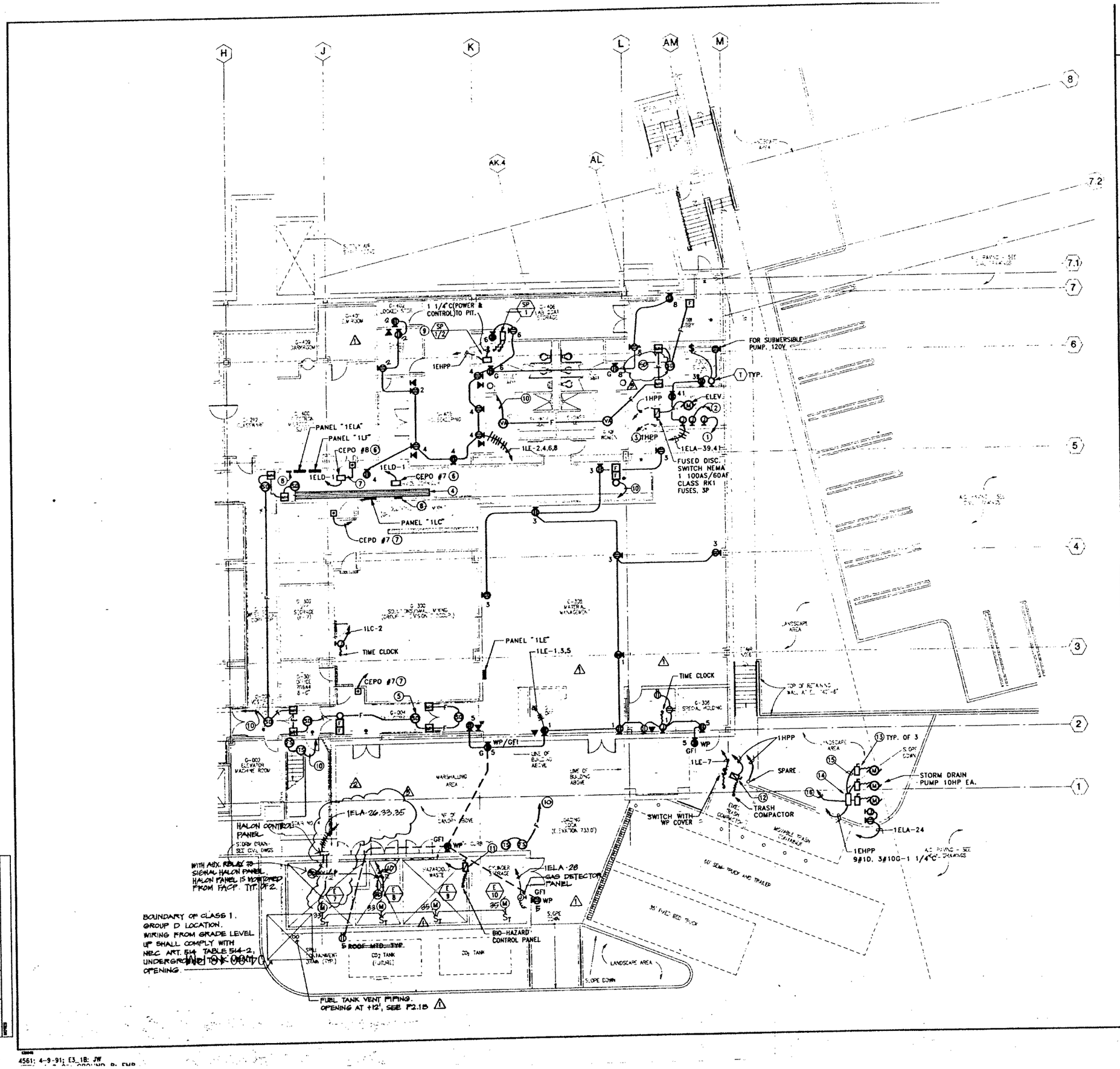
B1

Drawing No. E3.1A

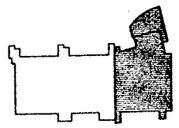
4561; 4-8-91; E3.1A; JW
4561; 4-8-91; GROUND_A; EMR

000801

1300-11



KEY PLAN



SHEET NOTES

1. 3/4" C TO FACP
2. 1" C TO MAIN TTB IN ROOM G-204.
3. 1 1/2"C – SPARE TO PANEL 1HPPA
4. TELECOMM CABLE TRAY: 12"W X 4"D INSIDE DIMENSION. SEE SECTION OF PLUMBING DRAWING.
5. SHALL BE WITHIN 5 FT. OF DOOR OPENING, TYPICAL.
6. CONTACTOR FOR EMERGENCY POWER OFF SYSTEM, MOUNTED +8'-9". SEE DIAGRAM OF SHEET E5.2.
7. 1/2"C - 3 #14 VIA OTHER EPO SWITCH(ES), IF APPLICABLE.
8. 10"W X4"H X1/4" THICK COPPER BAR IN 12"H X 12"W X4"D BOX WITH SCREW ON COVER; LABEL GROUND, FLUSH MOUNTED.
9. UNDER DIVISION 15 MECHANICAL. INSTALL CONTROL PANEL SUPPLIED.
10. FIRE ALARM CONTROL PANEL IN ELECTRICAL ROOM.
11. NON-FUSED SWITCH 60A 3P NEMA 4X STAINLESS STEEL. CONDUIT UP FROM UNDERGROUND SHALL BE PVC COATED RGS TO THIS SWITCH.
12. FUSED DISC. SWITCH NEMA 3R, 60AS/30AF CLASS RKI FUSES, 3P.
13. NON-FUSED DISC. SWITCH, NEMA 3R, 3P.
14. NEMA 3R CODE SIZED AUXILIARY GUTTER.
15. 3#10, 1#10G-3/4"C, TYPICAL.
16. 3/4"C-4#14 TO LEVEL ONE SEC. OFFICE 1-500 (FOR MONITORING).

SMP

Stone Marraccini Patterson

Architecture
Planning
Interior Architecture

One Market Plaza
Spear Street Tower
Suite 400
San Francisco
CA 94105

415 227-0100

Architect,AIA

Tech. Coord. | Checked | Tech. Arch.

RUTHERFORD & CHEKENE
303 Second Street, Suite 800 North
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Civil Engineer

Structural Engineer

GAYNER ENGINEERS
1133 Post Street
San Francisco, California 94109

Mechanical Engineer

Electrical Engineer

REGISTERED PROFESSIONAL ENGINEER
No. 8595
ELECTRICAL
STATE OF CALIF.

KELLER MITCHELL CARONNA
212 Sutter Street, Fifth Floor
San Francisco, California 94108

Landscape Architect

EARL WALLS ASSOCIATES
3348 Carroll Canyon Road
San Diego, California 92121

Laboratory Engineer

Laboratory Mechanical Engineer

Laboratory Electrical Engineer

Revisions

No.		Date
1	ADDENDUM NO.1	13MAY91
2	ADDENDUM NO.3	23JUN91
3	PLAN CHECK REVISIONS / BULLETIN NO. 1	11NOV91

NOTE TO ELECTRICAL PLAN CHECKER: THE FIRE ALARM SYSTEM IS NOT A PART OF THIS ELECTRICAL PERMIT APPLICATION. IT WILL BE SUBMITTED BY THE CONTACTOR OF THE FIRE ALARM SYSTEM FOR APPROVAL BY THE CITY FIRE DEPARTMENT

Regional Reference Laboratory
11600 Sherman Way
North Hollywood-Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

GROUND LEVEL EAST - POWER & SYSTEMS PLAN

Scale: 1/8"=1'-0"

Project No. 19210.01

Date 11 APR 1991

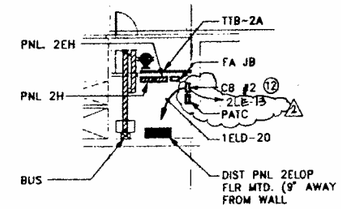
B1 BULLETIN

Drawing No. E3.1B

1300-11

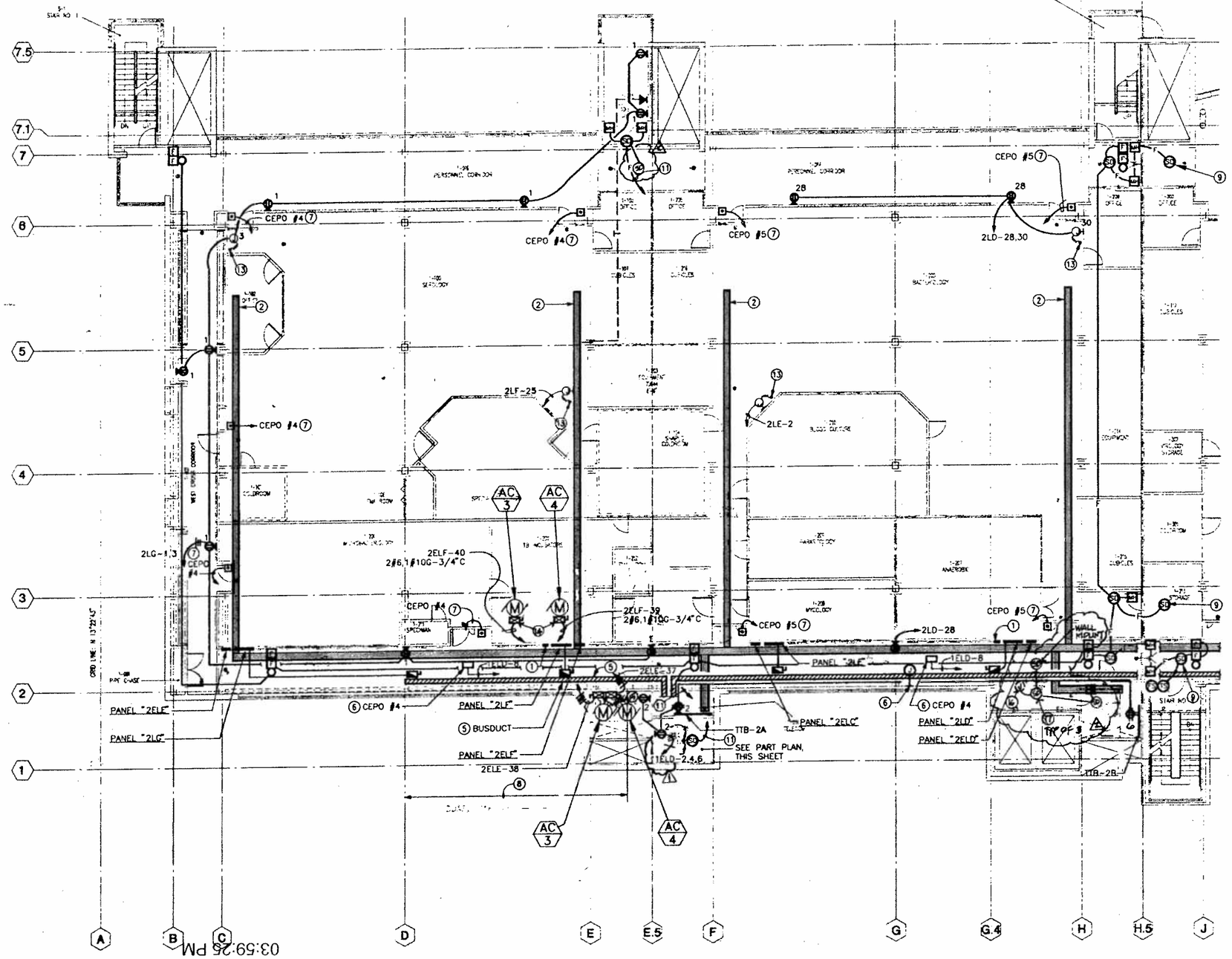
000802

4561; 4-9-91; E3_1B: JW

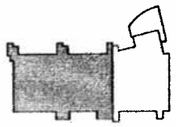


PART PLAN-ELEC ROOM LEVEL ONE

1/8"=1'-0"



KEY PLAN



SHEET NOTES

1. 10"W X 4"H X 1/4" THICK COPPER IN 12"W X 12"H X 4"D SCREW ON BOX. LABEL "GROUND".
2. TELECOMMUNICATION CABLE TRAY: 12"W X 4"D.
3. SERVICE CORRIDOR TELECOMMUNICATION CABLE TRAY: 12"W X 4"D.
4. NOT USED.
5. UNLESS NOTED BUSDUCT RATING SHALL BE 1,600A, 120/208V, 3ø, 4W, COPPER.
6. CONTACTOR FOR EMERGENCY POWER OFF SYSTEM MOUNTED +8'-9". SEE DIAGRAM ON SHEET E5.2.
7. 1/2"C - 3 #14 VIA OTHER EPO SWITCH(ES). SEE DIAGRAM ON SHEET E5.2.
8. BUSDUCT RATING: 800A, 120/208V, 3ø, 4W, COPPER.
9. SHALL BE WITHIN 5 FT. OF DOOR. TYPICAL.
10. J. BOX FOR GAS CYLINDERS SERVICE.
11. FIRE ALARM TERMINAL CABINET IN LEVEL ONE ELECTRICAL ROOM.
12. LOW LEVEL EXIT PATH LIGHTING POWER SUPPLY CONTROL BOX #2.
13. CONNECT TO TIME CLOCK. TIME CLOCK TO BE FURNISHED BY KAISER. PRIOR TO INSTALLATION, OBTAIN EQUIPMENT CUT SHEETS TO VERIFY SERVICE.
14. COMBINATION FUSIBLE SWITCH AND STARTER IN NEMA 1 ENCLS : 60A/40AF CLASS RK1 FUSES, 2P, 208V, SIZE 2 STARTER WITH OL RELAYS AND HOA CONTROL DEVICE. INSTALL ADJACENT TO THE AC UNIT.
15. COMBINATION FUSIBLE SWITCH AND STARTER IN NEMA 1 ENCLS : 30A/20AF CLASS RK1 FUSES, 3P, 208V, SIZE 1 STARTER WITH OL RELAYS AND HOA CONTROL DEVICE. WALL MOUNT NEAR THE AC UNIT.
16. ROLL DOWN FIRE GRILLE ACTIVATED BY LOCAL SMOKE DETECTOR ONLY. POWER SUPPLY 24VDC TO ORIGINATE FROM FIRE ALARM CONTROL PANEL
17. WITH AUXILIARY RELAY TO OPERATE ROLL DOWN FIRE GRILLE (OR MAGNETIC DOOR HOLDER)

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1	ADDENDUM NO.1	15MAY91
2	PLAN CHECK REVISIONS / BULLETIN NO. 1	[illegible]

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Kaiser Permanente Medical Care Program
Southern California Region

LEVEL ONE - WEST POWER & SYSTEMS PLAN

Scale: 1/8"=1'-0"

Project No.		Drawing No.
19210.01	B1 BULLETIN	E3.2A
Date 11 APR 1991		

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4561; 4-6-91; E3_2A; JW
4561; 4-8-91; LAB1A; EMR

000803 1300-U

Certificate of Compliance (Part 1 of 2) — Prescriptive Requirements CF-1A

Project Title: KAISER REGIONAL REFERENCE LABORATORY
Project Architect/Engineer: STONE MARRACCINI PATTERSON
Project Location: NORTH HOLLYWOOD
Documentation Author: GAYNER ENGINEERS (415)474-9500

For Enforcement Agency Use Only

1. Unconditioned or Multi-tenant shell? NO
2. OBC Occupancy Type: LAB/OFFICE
3. UBC Occupancy Group/Division: B2
4. Edition of Standards: 1988
5. Conditioned Floor Area: 21,740 sf
6. Unconditioned Floor Area: 1,990 sf
7. Location Code Number: NA
11. Climate Zone: 09
14. Supplement Attached? Y

Certificate of Compliance (Part 2 of 2) — Prescriptive Compliance CF-1A

KAISER REGIONAL REFERENCE LAB — 21740 SQ. FT.
GAYNER ENGINEERS (415)474-9500 — LAB/OFFICE

Envelope (Allowed / Proposed)

	Item	Allowed	Proposed	
1	Roof/Ceiling R	4.2	11.94	
2	Exterior Floor R	NA	NA	
3	Opaque Wall R	3.41	8.01	
4	Exterior Wall Area		46815	sf
5	Wall Glazing Area		10647	sf
6	Average SC (Wall)		0.65	
7	Total Wall % Glazing	30%	22.7	%
8	West Exterior Wall Area		6203	sf
9	Glazing Area (West Wall)		684	sf
10	Average SC (West Wall)		0.71	
11	West Wall % Glazing	23%	11.0	%
12	Roof Glazing?		N	

Lighting

	Item	Allowed	Proposed
13	Basis of Allowed LPD	1.5	1.37
14	LPD	1.5	
16	Adjusted LPD	1.5	1.37
17	Lighting Control Credits?		N

NEW BUILDING — 1-23-91 — 1-23-91 — VICE PRESIDENT 1/22/91
GAYNER ENGINEERS, 1133 POST STREET, SAN FRANCISCO, CA 94109, (415)474-9500

Mechanical

	Item	Allowed	Proposed
18	Whole Building HVAC Used?		NA
	a. Fan Wattage Index	NA	
19	Tailored HVAC Approach?		Y
	a. Heating Capacity	11965	11200
	b. Cooling Capacity	11071	9600
	c. Fan Performance Index	NA	NA
20	Simultaneous Heat/Cool?		NA

Other requirements: SEE FORM CF-4

NEW BUILDING — 1-23-91 — 1-23-91 — PRESIDENT — GAYNER ENGINEERS, 1133 POST STREET, SAN FRANCISCO, CA 94109, (415)474-9500

Certificate of Compliance (Supplement) — Additional Requirements CF-1X

KAISER REGIONAL REFERENCE LAB — 21740 — GAYNER ENGINEERS (415)474-9500 — LAB/OFFICE

SYSTEM DESCRIPTION

LABORATORY BUILDING IS SERVED BY 100% OUTSIDE AIR AS RECOMMENDED BY ASHRAE.

SUPPLY FANS S-1 AND S-2 ARE CONSTANT VOLUME FOR THE SAFE AND PROPER EXHAUST OF HAZARDOUS FUMES.

CHILLERS CH-1 AND CH-2 SERVE THE ENTIRE BUILDING, INCLUDING COOLING FOR ALL PROCESS LOADS.

BOILERS B-1 AND B-2 SERVE THE ENTIRE BUILDING.

BOILER B-2 IS SIZED FOR ONE-HALF OF ITS CAPACITY TO SERVE A FUTURE LABORATORY BUILDING.

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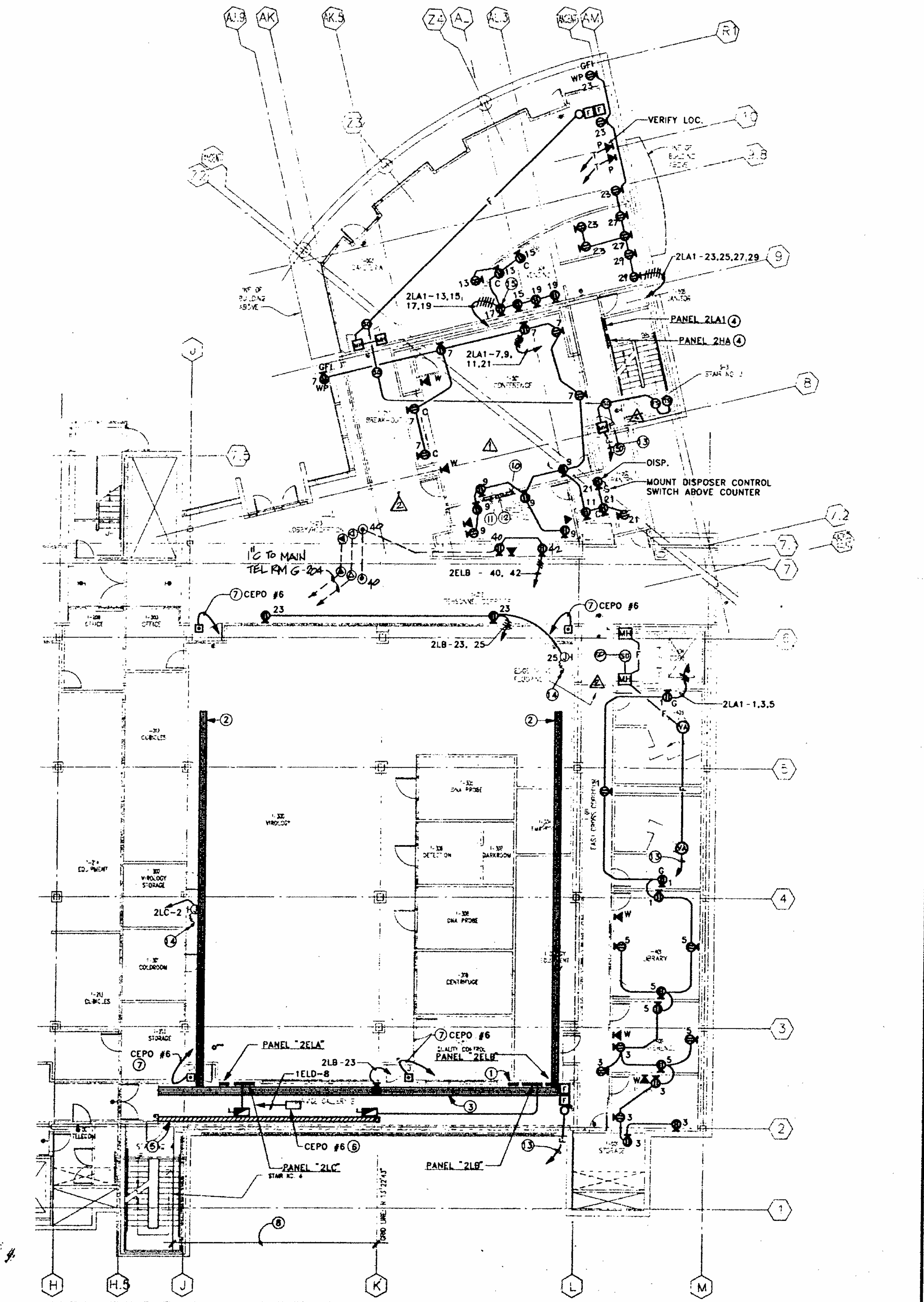
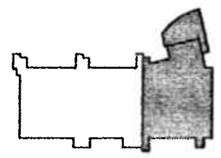
PROJECT NO. 19210.01



KEY PLAN



SHEET NOTES

1. 10"W X 4"H X 1/4" THICK COPPER IN 12"W X 12"H X 4"D SCREW ON BOX. LABEL "GROUND".
2. TELECOMMUNICATION CABLE TRAY 12"W X 4"D.
3. SERVICE CORRIDOR TELECOMMUNICATION CABLE TRAY: 12"W X 4"D.
4. PROVIDE 8 - 3/4" SPARE CONDUITS; 4 TERMINATED AT GROUND LEVEL CEILING SPACE, AND 4 TERMINATED AT LEVEL 2 CEILING SPACE.
5. UNLESS NOTED BUSDUCT RATING SHALL BE 1600A, 120/208V, 3ø, 4W, COPPER.
6. CONTACTOR FOR EMERGENCY POWER OFF SYSTEM. SEE SHEET E5.2.
7. 1/2"C-3#14 VIA OTHER EPO SWITCH(ES) SEE DIAGRAM ON SHEET E5.2.
8. BUSDUCT RATING: 800A, 120/208V, 3ø, 4W, COPPER.
9. 3/4"C TO TTB-3C (LEVEL 2).
10. 16"SQ. X 4"D J-BOX WITH SCREW ON COVER +12" FOR CCTV, INTERCOM, GATE CONTROL, SECURITY. STUB UP (2) 1 1/2"C TO CEILING ABOVE.
11. FIRE ALARM REMOTE ANNUNCIATIO PANEL, VERIFY EXACT LOC WITH LA FIRE DEPT.
12. 16"SQ X 4"D J-BOX WITH SCREW ON COVER +12" FOR BLDG CONTROL SYSTEMS (HVAC, GNE-GEN, ATS, STORM DRAIN, UPS, FUEL STUB UP (2) 1 1/2"C TO CEILING ABOVE.
13. FIRE ALARM TERMINAL CABINET IN LEVEL ONE ELECTRICAL ROOM.
14. CONNECT TO TIME CLOCK. TIME CLOCK TO BE FURNISHED BY KAISER. PRIOR TO INSTALLATION OBTAIN EQUIPMENT CUT SHEETS TO VERIFY SERVICE.
15. PROVIDE 24 HOUR TIME SWITCH TO CONTROL RECEPTACLE; TORK MODEL NO. 701-2D, SET ON AT 5 AM SET OFF AT 10 PM.

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Revisions

No.		Date
1	ADDENDUM NO. 1	15MAY91
2	BULLETIN NO. 1	
3	PLAN CHECK REVISIONS/ BULLETIN NO. 1	14NOV91

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Kaiser Permanente Medical Care Program
Southern California Region

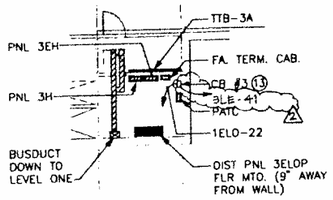
LEVEL ONE, EAST - POWER & SYSTEMS PLAN

Scale: 1/8"=1'-0"

Project No. 19210.01 — B1 BULLETIN — Drawing No. E3.2B
Date 11 APR 1991

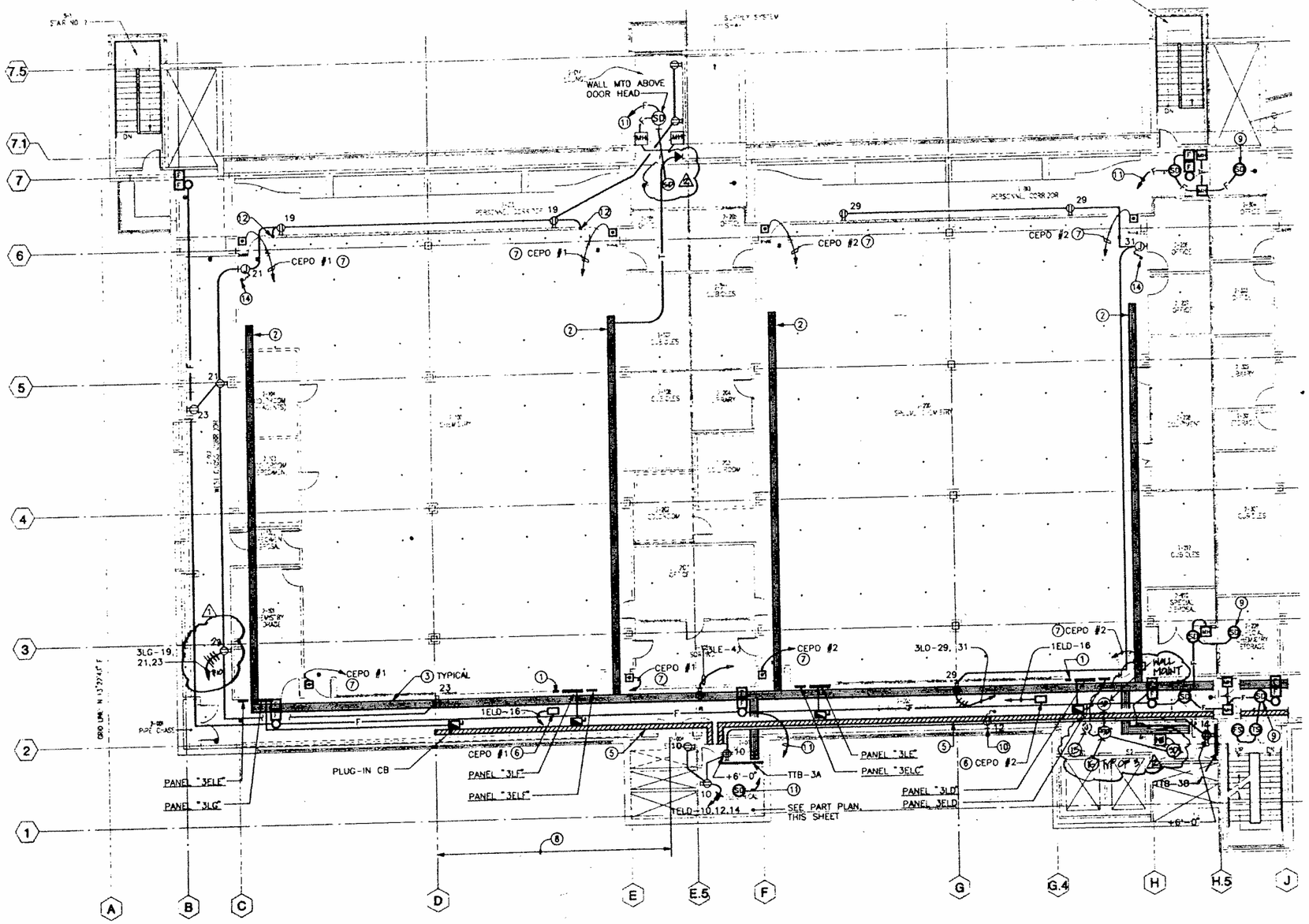
4561; 4-8-91; E3.2B; JW
4561; 4-8-91; LAB1B; EMR

000804 1309-11



PART PLAN-ELEC ROOM LEVEL TWO

1/8" = 1'-0"



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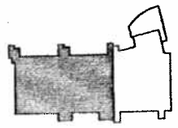
KEY PLAN



SHEET NOTES

1. 10"W X 4"H X 1/4" THICK COPPER IN 12"W X 12"H X 4"O SCREW ON BOX. LABEL "GROUND".
2. TELECOMMUNICATION CABLE TRAY: 12"W X 4"O.
3. SERVICE CORRIDOR TELECOMMUNICATION CABLE TRAY: 12"W X 4"O.
4. NOT USED.
5. UNLESS NOTED BUSDUCT RATING SHALL BE 1600A, 120/208V, 3ø, 4W, COPPER.
6. CONTACTOR FOR EMERGENCY POWER OFF SYSTEM MOUNTED +8'-9". SEE DIAGRAM ON SHEET E5.2.
7. 1/2"C - 3 #14 VIA OTHER EPO SWITCH(ES). SEE DIAGRAM ON SHEET E5.2.
8. BUSDUCT RATING: 800A, 120/208V, 3ø, 4W, COPPER.
9. SHALL BE WITHIN 5 FT. OF DOOR. TYPICAL.
10. GAS CYLINDERS SERVICE, 120V, 1ø
11. FIRE ALARM TERMINAL CABINET IN LEVEL TWO ELECTRICAL ROOM.
12. UP TO ROOF RECEPTACLE VIA PARAPET WALL.
13. LOW LEVEL EXIT PATH LIGHTING POWER SUPPLY CONTROL BOX #3.
14. CONNECT TO TIME CLOCK. TIME CLOCK TO BE FURNISHED BY KAISER PRIOR TO INSTALLATION OBTAIN EQUIPMENT CUT SHEETS TO VERIFY SERVICE.
15. ROLL DOWN FIRE GRILLE ACTIVATED BY LOCAL SMOKE DETECTOR ONLY. POWER SUPPLY 24VDC TO ORIGINATE FROM FIRE ALARM CONTROL PANEL
16. WITH AUXILIARY RELAY TO OPERATE ROLL DOWN FIRE GRILLE (OR MAGNETIC DOOR HOLDER)

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LEVEL TWO - WEST POWER & SYSTEMS PLAN

Scale: 1/8" = 1'-0"

Project No. 19210.01

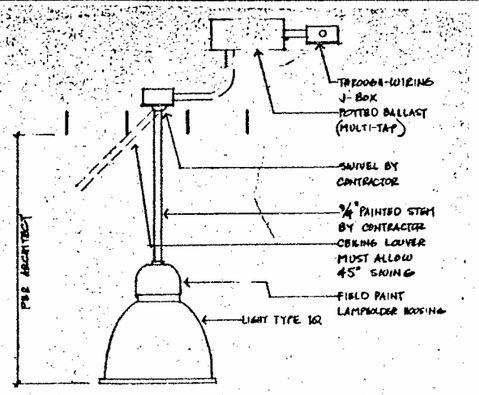
Date 11 APR 1991

B1 BULLETIN

Drawing No. E3.3A

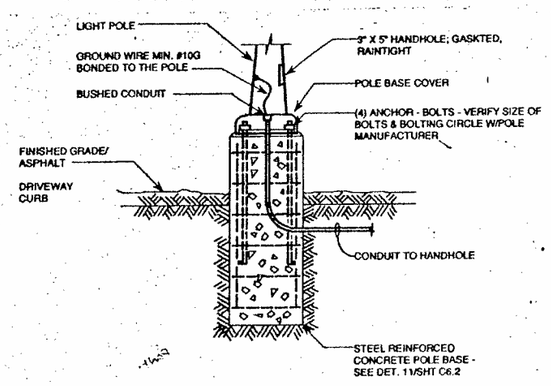
000805

1300-11



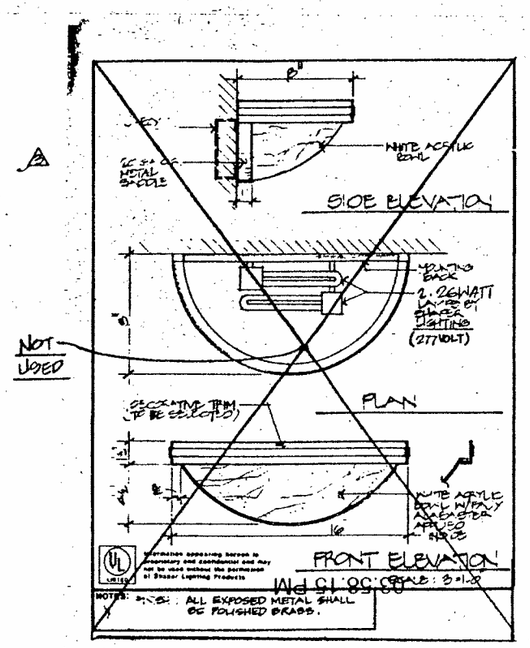
IQ	Descriptions:	Pendant metal halide fixture with enclosed glass refractor, remote ballast
	Manufacturers:	Holophane EGH-400PM-HT-MA35
	Lamp:	400 watt coated metal halide
	Input Watts:	Approx. 460
	Input Volts:	277
	Remarks:	Contractor to provide swivel and stem, field paint stem and lampholder housing

LIGHT FIXTURE TYPE IQ DETAIL

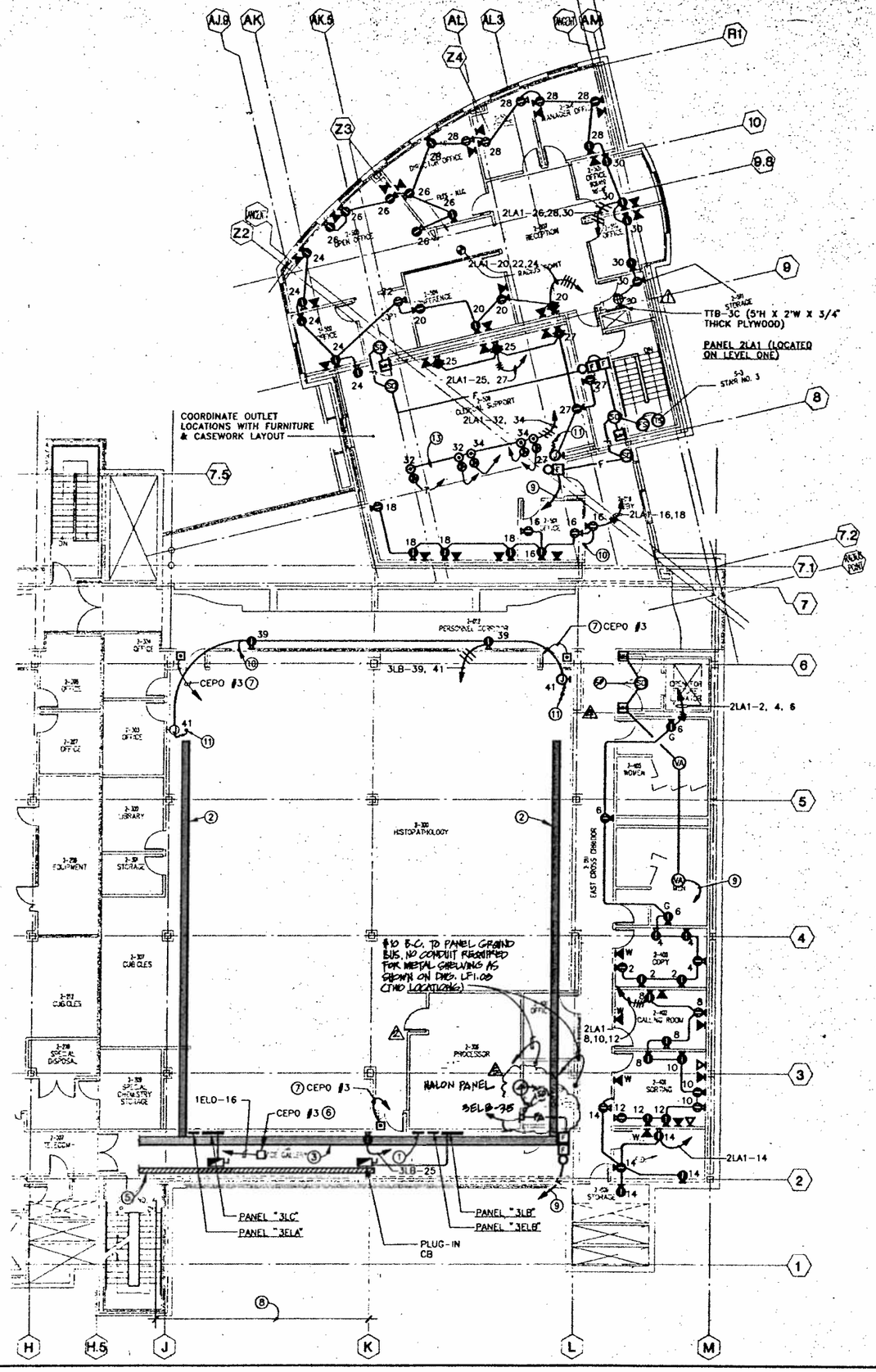


EXTERIOR LIGHT POLE BASE DETAIL

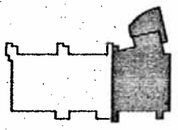
NOT TO SCALE



LIGHT FIXTURE TYPE P DETAIL



KEY PLAN



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2. TELECOMMUNICATION CABLE TRAY: 12"W X 4"D.
3. SERVICE CORRIDOR TELECOMMUNICATION CABLE TRAY: 12"W X 4"D.
4. DETECTOR AND WIRING TO HALON PANEL BY OTHERS. HALON PANEL WILL BE MONITORED AT FIRE ALARM CP.
5. UNLESS NOTED BUSDUCT RATING SHALL BE 1600A, 120/208V, 3ø, 4W, COPPER.
6. CONTACTOR FOR EMERGENCY POWER OFF SYSTEM. SEE SHEET E5.2
7. 1/2"C-3#14, VIA OTHER EPO SWITCH(ES) SEE DIAGRAM ON SHEET E5.2.
8. BUSDUCT RATING: 800A, 120/208V, 3ø, 4W, COPPER.
9. FIRE ALARM TERMINAL CABINET IN LEVEL TWO ELECT. RM.
10. TO ROOF RECEPTACLE VIA PARAPET WALL.
11. CONNECT TO TIME CLOCK. TIME CLOCK TO BE FURNISHED BY KAISER. PRIOR TO INSTALLATION OBTAIN EQUIPMENT CUT SHEETS TO VERIFY ROUGH-IN DATA.
12. RUN A 3/4"C TO TTB-3C FROM EACH FLR MTD TEL/DATA OUTLET, TYPICAL.
13. BELOW METAL DECK FOR FLOOR OUTLETS.

GENERAL NOTES

1. ALL FLOOR MOUNTED OUTLET LOCATIONS SHALL BE VERIFIED PRIOR TO START OF INSTALLATION.

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3	ADDENDUM NO. 4	2JULY91
4	PLAN CHECK REVISIONS/ BULLETIN NO. 1	[illegible]
5	BULLETIN NO. 2	13NOV91

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LEVEL TWO - EAST POWER & SYSTEMS

Scale: 1/8" = 1'-0"

Project No. 19210.01

Date 24 JAN 1992

B2

Drawing No. E3.3B

4561; 4-6-91; E3_3B; JW
4561; 4-8-91; LAB2B; EMR

1300-11

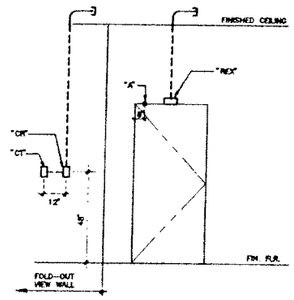
000806

DOOR ELEVATION GENERAL NOTES

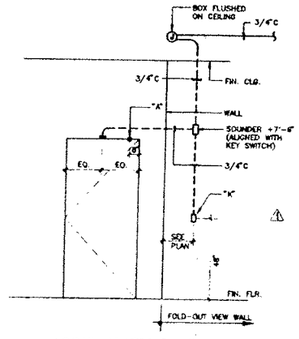
1. DOORS ARE NOT DRAWN TO SCALE. REFER TO ARCHITECTURAL DRAWINGS FOR DIMENSIONS AND CONSTRUCTION OF DOORS AND FRAMES.
2. SEE FLOOR PLANS FOR ACTUAL SWING DIRECTION OF DOORS.
3. THESE DOOR ELEVATIONS SHALL EMPHASIZE LOCATIONS OF DEVICES ONLY. CONDUIT ROUTES ARE DIAGRAMMATIC. IN GENERAL, ALL CONDUITS/CABLES SHALL BE CONCEALED IN CEILING OR WALL.
4. REFER TO SHEET E-1.0 " SYMBOLS & DEVICE SCHEDULE" FOR INFORMATION CONCERNING MOUNTING OF DEVICES.

SHEET LEGEND

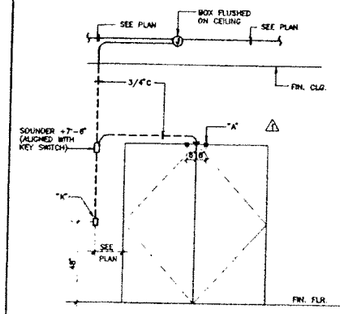
ABBREVIATION	DEVICE	REMARKS
"A"	ALARM CONTACTS	
"CR"	KEYSWITCH	RESET LOCAL ALARM
"EL"	ELECTRIC LOCK/STRIKE	
"CT"	COURTESY TELEPHONE	
"ET"	EMERGENCY TELEPHONE	
"S"	SOUNDER	LOCAL ALARM
"REX"	REQUEST TO EXIT	
"ML"	MAGNETIC LOCK	



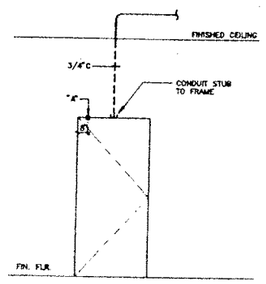
N E-4.0 CARD ACCESS DOOR DEVICES ELEV. N.T.S.



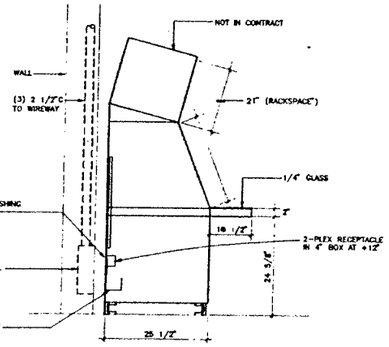
J E-4.0 LOCAL ALARM DOOR DEVICES ELEV. N.T.S.



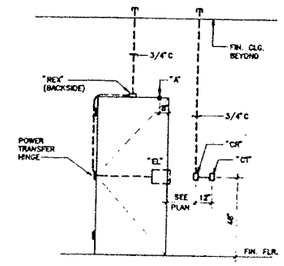
E E-4.0 LOCAL ALARM DEVICES MOUNTING ELEVATION N.T.S.



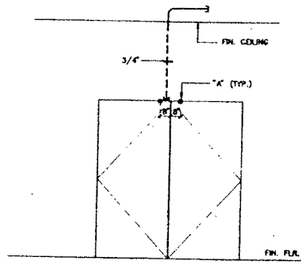
A E-4.0 ALARM CONTACTS IN SINGLE DOOR N.T.S.



3 E-4.0 CONSOLE SECTIONAL VIEW N.T.S.

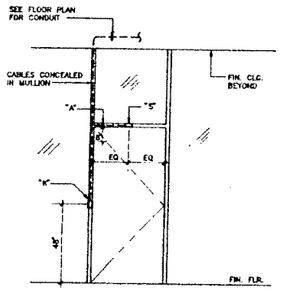


F E-4.0 CARD ACCESS DEVICES MOUNTING ELEV. N.T.S.

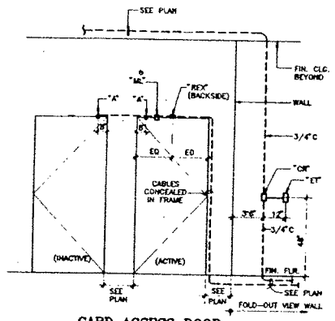


NOTE
TYP. FOR DOOR IN ADJACENT CONCRETE OR GYPSUM WALL.

B E-4.0 ALARM CONTACTS ON DOUBLE DOOR N.T.S.

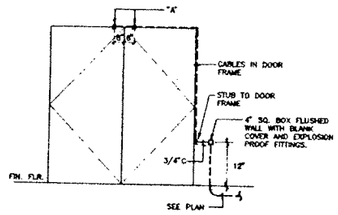


L E-4.0 LOCAL ALARM DOOR DEVICES ELEV. N.T.S.

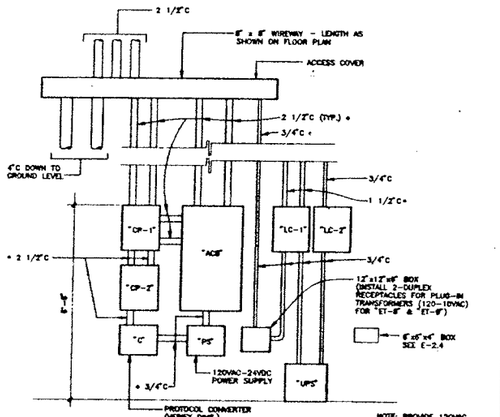


G E-4.0 CARD ACCESS DOOR DEVICES MOUNTING ELEV. N.T.S.

NOTE: SEE PLAN FOR OTHER "CR" & "ET" MOUNTING HEIGHT. △1



C E-4.0 ALARM DOOR TYPICAL DETAIL N.T.S.

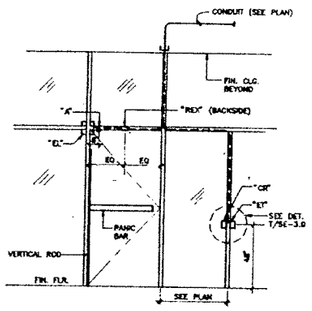


NOTE: PROVIDE 120VAC CONDUIT & WIRES. REFER TO DET. F/E-3.0 FOR REQUIREMENTS. VERIFY DIMS. FOR "LC-1" & LC-2"

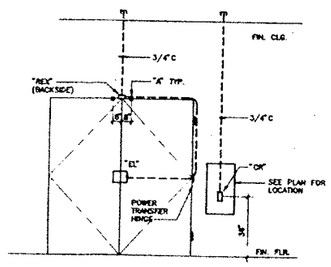
5 E-4.0 SECURITY CLOSET WALL ELEV. N.T.S.

NOTES:

1. EQUIPMENT ITEMS CP-1, CP-2, C, PS & ACB TO BE FURNISHED & INSTALLED BY OWNERS SECURITY SYSTEM CONTRACTOR.
2. + INDICATE CONDUIT TO BE PROVIDED BY THE OWNER SECURITY SYSTEM CONTRACTOR.

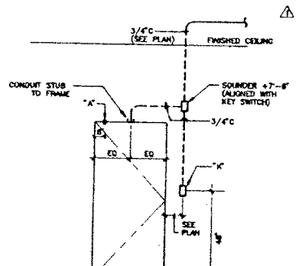


M SE-4.0 CARD ACCESS DOOR DEVICES MOUNTING ELEV. N.T.S.



NOTE
MOUNTING OF DEVICES TYP. FOR OPPOSITE HAND SIDE OPENING OF DOOR. SEE PLAN.

H E-4.0 CARD ACCESS DOOR DEVICES MOUNTING ELEV. N.T.S.



D E-4.0 LOCAL ALARM DOOR DEVICES ELEV. N.T.S.

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Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

SECTIONS AND ELEVATIONS

SCALE: NONE △2

Project No. 19210.01

Date 20 MAY 1991

B1 BULLETIN

Drawing No. △1 E-4.0

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Laboratory Electrical Engineer

Revisions

No.		Date
△1	ADDENDUM NO. 2	6-12-91
△2	PLAN CHECK REVISIONS / BULLETIN NO. 1	11NOV'91

03:56:42 PM

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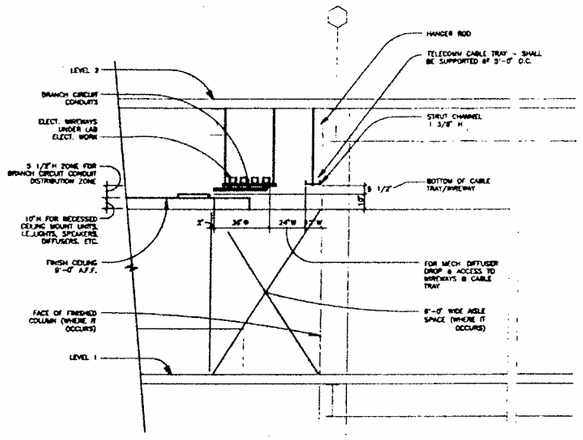
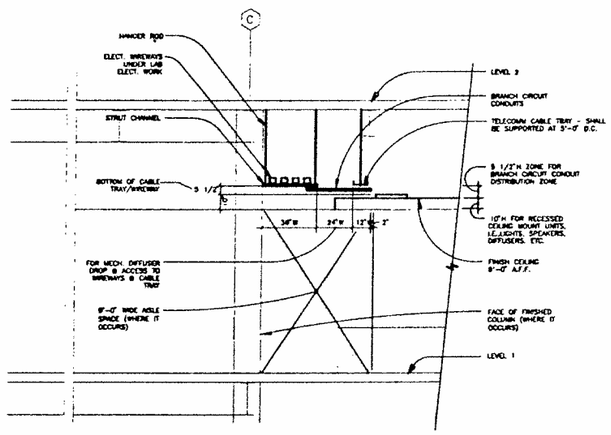
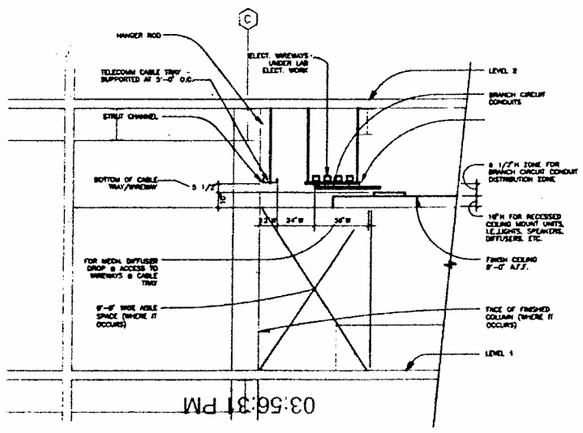


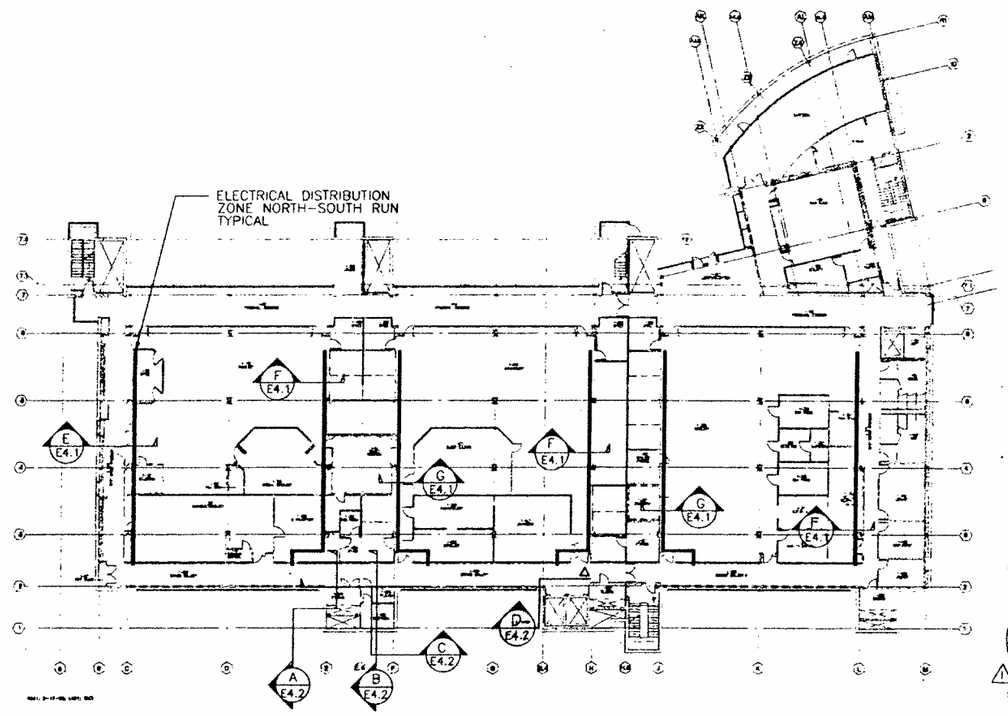
SECTION F
SCALE: 1/4"=1'-0"



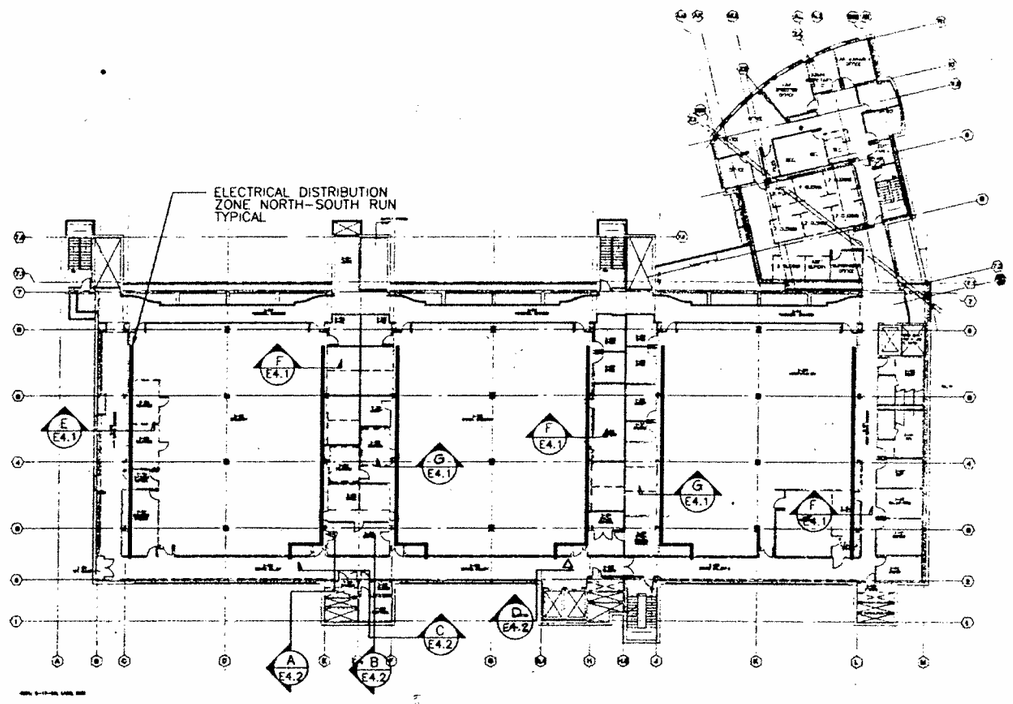
SECTION F
SCALE: 1/4"=1'-0"



SECTION G
SCALE: 1/4"=1'-0"

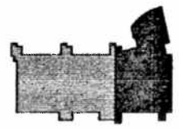


LEVEL ONE
SCALE: 1/16"=1'-0"



LEVEL TWO
SCALE: 1/16"=1'-0"

KEY PLAN



SHEET NOTES

Main Subd. "MEDP" minimum demand load - General convenience receptacle load + 100% other loads - 25% of total lighting and largest motor.

A. General Convenience Receptacle:

Panel 1 ELDP/2ELDP: 56.93 KVA
Panel 3ELDP: 21.40 KVA

Demand - 10 KVA X 1.0 + (56.93 + 21.4 - 10) X .50 - 44.17 KVA - 53.13A

B. Other Loads:

1. Dedicated receptacles + misc. circuits.

Panel 1ELDP/2ELDP: 313.83 KVA

Panel 3ELDP: 150 KVA

Subtotal: 465.83 KVA - 558A

2. Supply Fan S-1 - 124A
3. Panel 1 EEPP - 356A
4. Panel 1EH (Ltg.) - 7A
5. Panel 2EH/3EH (Ltg.) - 26A
6. UPS System - 51A
7. Tel. Room AC-1 - 18A
   Tel. Room AC-2 - 18A
8. Sewer Pump - 2A

C. Panel 1ELDP + 3ELDP LCL load - 31.88 KVA X 1.25 - 39.85 KVA - 48A

Total Amperes: 51.13 + 538 + 124 + 356 + 7 + 26 + 51 + 18 + 18 + 2 + 48 - 1259A

Demand - 100% load + 25% of lighting and largest motor - 1259 + (124 + 7 + 26) X 25% - 1.298A

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Laboratory Mechanical Engineer

Laboratory Electrical Engineer

Revisions

No.		Date
1	PLAN CHECK REVISIONS / BULLETIN NO. 1	8 NOV 91

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North Hollywood-Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

SERVICE DISTRIBUTION ZONING & SECTIONS

Scale: AS SHOWN

Project No. 19210.01

Date 11 APR 1991

B1 BULLETIN

Drawing No. E4.1

4561: 4-8-91: E4_1: JW

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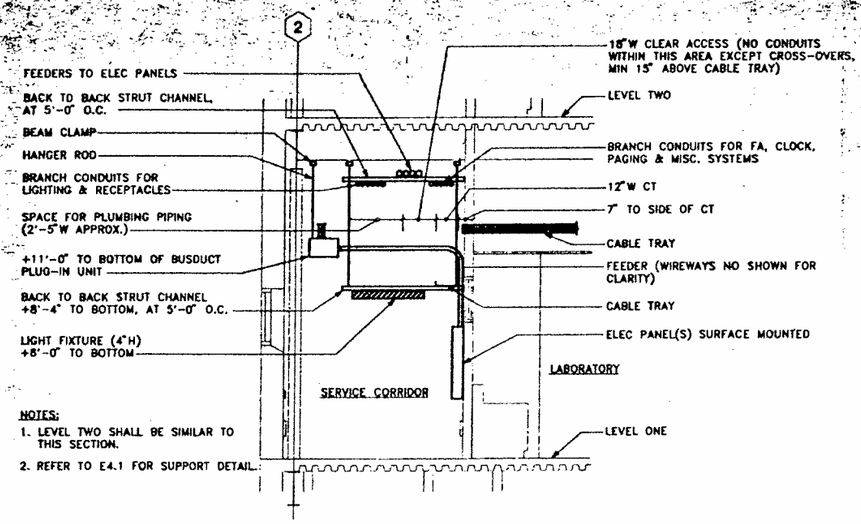
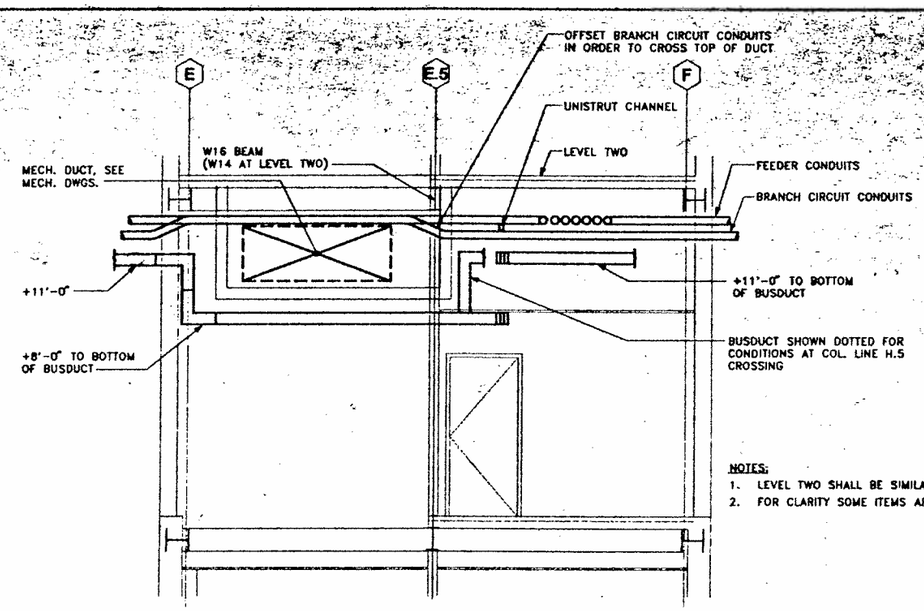


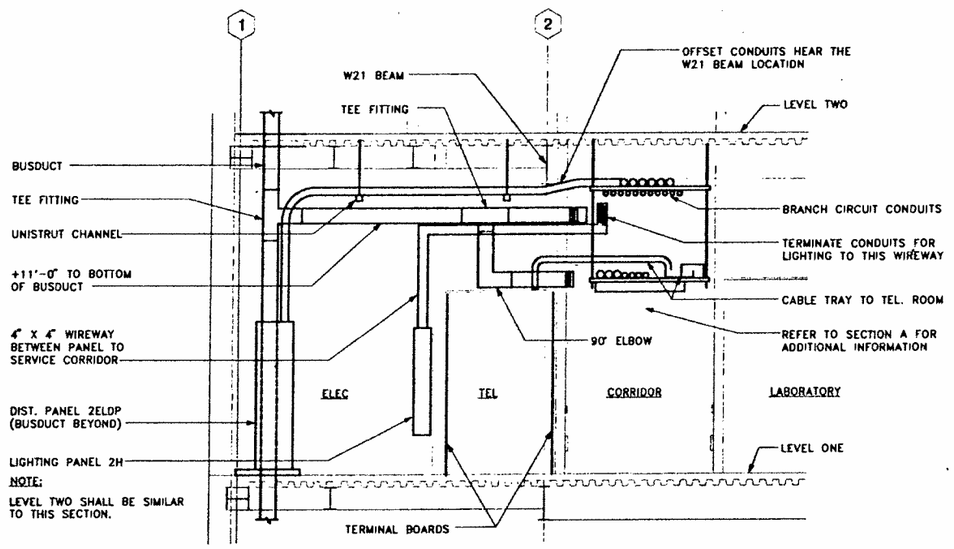
NOTES:
1. LEVEL TWO SHALL BE SIMILAR TO THIS SECTION.
2. REFER TO E4.1 FOR SUPPORT DETAIL.

SECTION A - LEVEL ONE SEVICE CORRIDOR/LAB
3/8" = 1'-0"



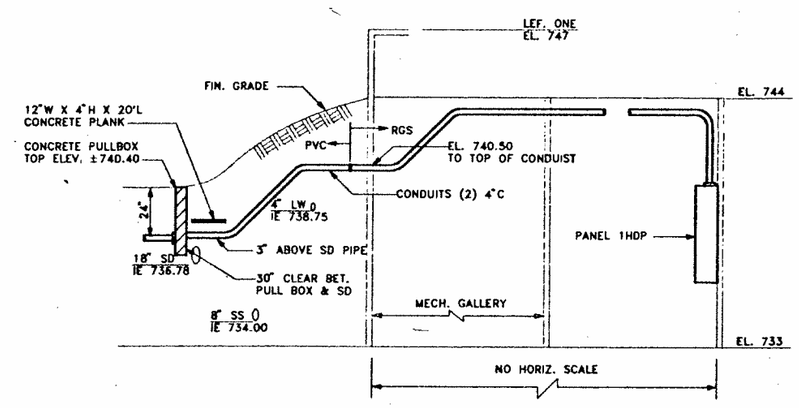
NOTES:
1. LEVEL TWO SHALL BE SIMILAR TO THIS SECTION.
2. FOR CLARITY SOME ITEMS ARE NOT SHOWN

SECTION C - LEVEL ONE CROSSING AT DUCT ENCLOSURE
3/8" = 1'-0"



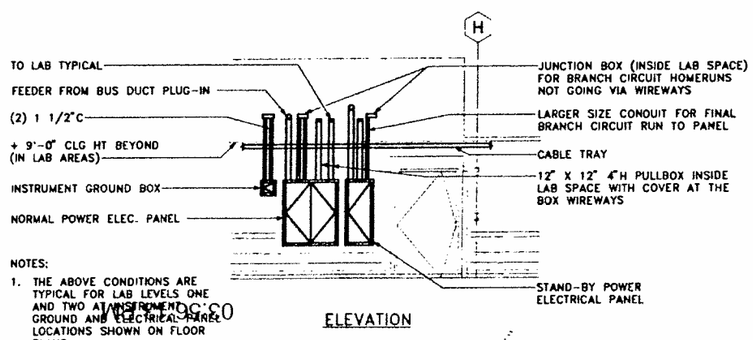
NOTE:
LEVEL TWO SHALL BE SIMILAR TO THIS SECTION.

SECTION B - LEVEL ONE ELEC/TEL/SERVICE CORRIDOR
3/8" = 1'-0"



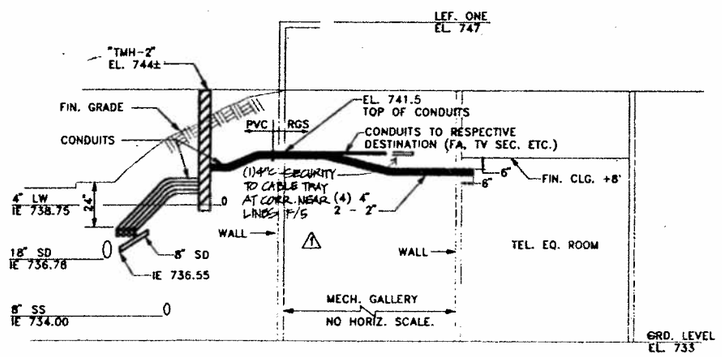
NOTE: PROVIDE 8" WIDE CONTINUOUS RED WARNING LABEL "HIGH VOLTAGE LINES BELOW" ABOVE CONDUITS.

SECTION C
HORIZ. SCALE 1" = 30'-0" U.O.N.
VERT. SCALE 3/8" = 1'-0"



NOTES:
1. THE ABOVE CONDITIONS ARE TYPICAL FOR LAB LEVELS ONE AND TWO AT GROUND AND ELECTRICAL PANEL LOCATIONS SHOWN ON FLOOR PLANS.

SECTION D - ELECTRICAL PANELS
1/4" = 1'-0"



NOTE: PROVIDE 8" WIDE CONTINUOUS RED WARNING LABEL "TELEPHONE LINES BELOW" ABOVE CONDUITS.

SECTION D
HORIZ. SCALE 1" = 30'-0" U.O.N.
VERT. SCALE 3/8" = 1'-0"

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Revisions

No.		Date
1	ADDENDUM NO.1	[illegible]
2	PLAN CHECK REVISIONS/ BULLETIN NO. 1	[illegible]

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Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

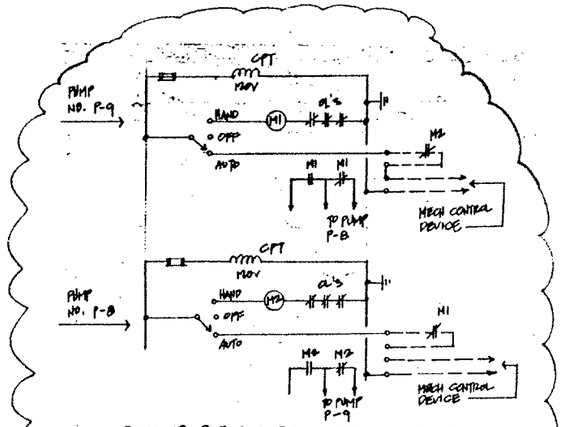
SECTION DETAILS

Scale: AS NOTED

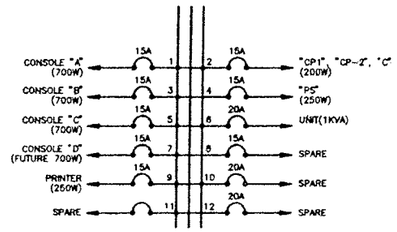
Project No. 19210.01
Date 11 APR 1991
Drawing No. E4.2

4561; 9-25-90; E4_2; RR

000809 1300-11



PUMP NO. P-8 AND P-9 INTERLOCK DIAGRAM
NO SCALE

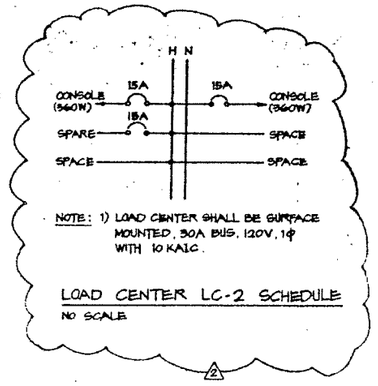


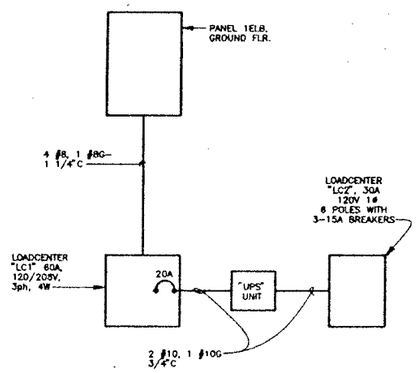
NOTES:

1.) LOAD CENTER SHALL BE:
PANEL MOUNTING - SURFACE ON WALL
VOLTS - 120/208V, 3ph, 4W
MAIN LUGS: 60A
TOTAL WATTS - 4,900W

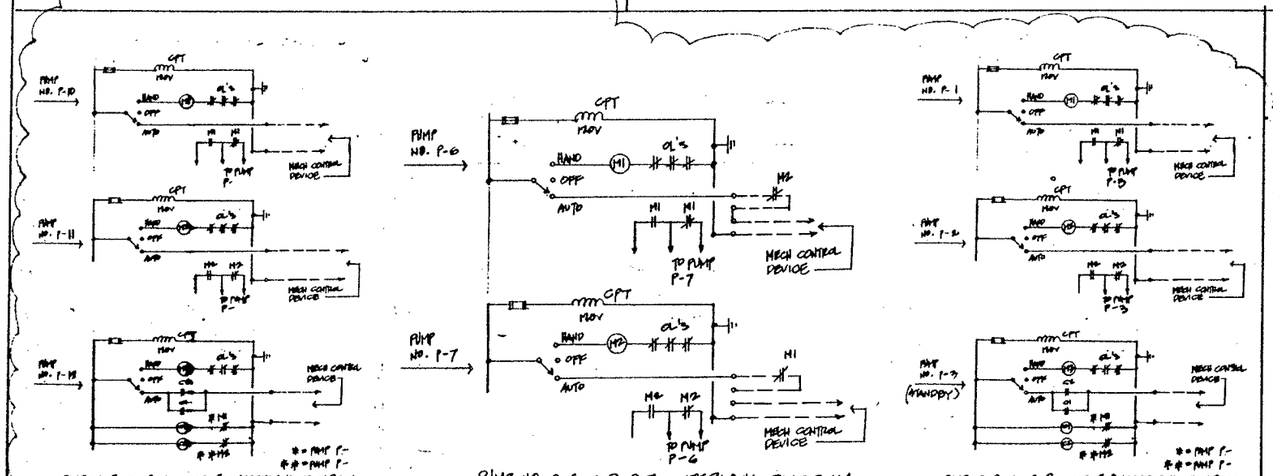
2.) ALL OTHER SECURITY EQUIPMENTS SHALL BE POWERED FROM THE NEAREST EMERGENCY 120VAC PANELS INSTALLED AT VARIOUS LOCATIONS IN THE BUILDING. VERIFY WITH ELECTRICAL DRAWINGS.

F E-8.0 (SECURITY OFFICE RM. NO. 1-500) LOAD CENTER "LC-1" POWER SCHEDULE
N.T.S.





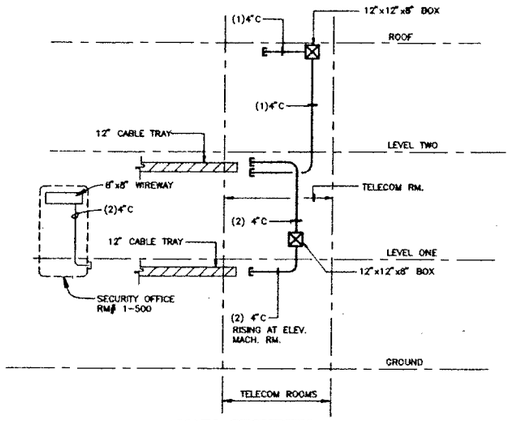
PARTIAL SINGLE LINE DIAGRAM-POWER
N.T.S.



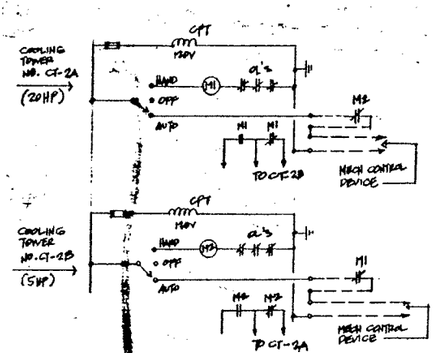
PUMP NO P-10, P-11 AND P-12 INTERLOCK DIAGRAM
NO SCALE

PUMP NO. P-6 AND P-7 INTERLOCK DIAGRAM
NO SCALE

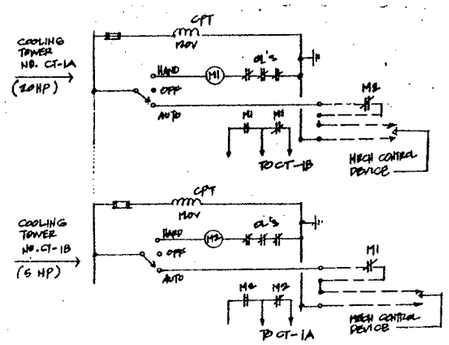
PUMP NO P-1, P-2 AND P-3 INTERLOCK DIAGRAM
NO SCALE



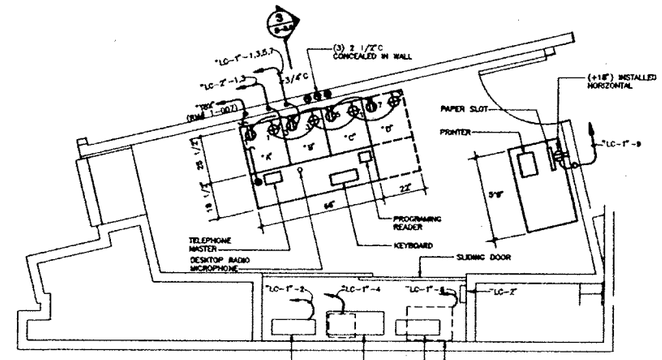
H E-8.0 MAIN SECURITY CONDUIT RISER DIAGRAM
N.T.S.



COOLING TOWER CT-2A AND 2B INTERLOCK DIAGRAM
NO SCALE



COOLING TOWER CT-1A AND 1B INTERLOCKED DIAGRAM
NO SCALE



ELECTRICAL LEGEND

- CONDUIT & WIRES HOMERUN TO PANEL THROUGH CEILING
- FLEX CONDUIT IN CONSOLE
- 120VAC EMERGENCY DUPLEX RECEPTACLE ON RED COLOR
- 120VAC UPS POWER DUPLEX RECEPTACLE ON ORANGE COLOR
- TELEPHONE OUTLET
- CONDUIT RISER CONCEALED IN WALL

NOTES:

1. MOUNT RECEPTACLES AT BACK PLATE OF CONSOLE AT 12" A.F.F. PROVIDE JUNCTION BOX IN WALL WITH EXTENSION BOX AND FLEX TO FIRST RECEPTACLE.
2. PLUG POWER SUPPLY CORDS OF PLUGSTRIPS TO DUPLEX RECEPTACLE.
3. INSTALL TELEPHONE OUTLET UNDER WRITING TABLE.

1 E-4.0 SECURITY RM. NO. I-500 ELECTRICAL POWER LAYOUT
N.T.S.

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Revisions

No.		Date
1	ADDENDUM NO.2	6-12-91
2	PLAN CHECK REVISIONS / BULLETIN NO. 1	11NOV91

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Southern California Region

DIAGRAMS

Project No.		Drawing No.
19210.01	B1	E-5.0
Date 20 MAY 1991	BULLETIN	

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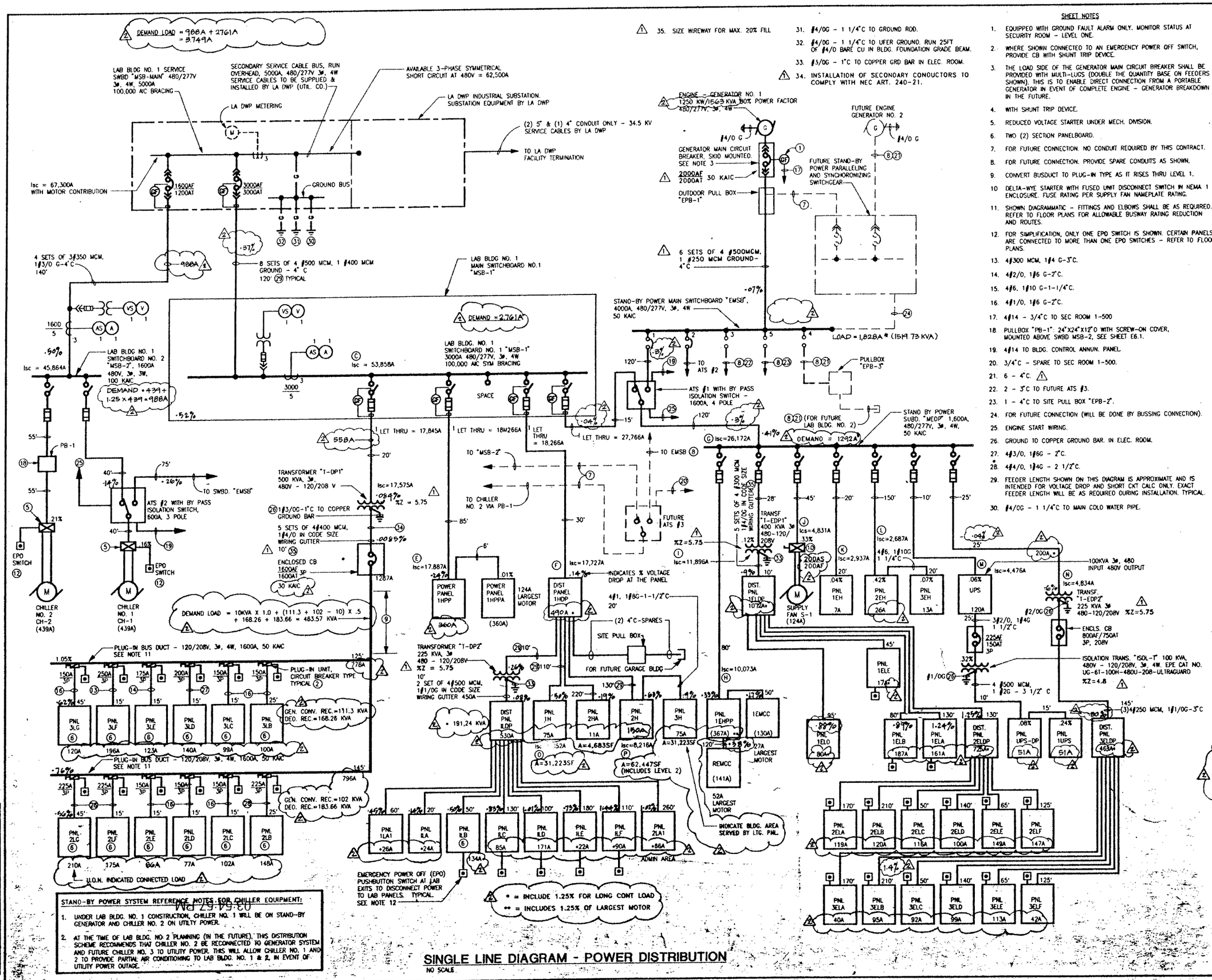

STAND-BY POWER SYSTEM REFERENCE NOTES FOR CHILLER EQUIPMENT:

1. UNDER LAB BLDG. NO. 1 CONSTRUCTION, CHILLER NO. 1 WILL BE ON STAND-BY GENERATOR AND CHILLER NO. 2 ON UTILITY POWER.
2. AT THE TIME OF LAB BLDG. NO 2 PLANNING (IN THE FUTURE), THIS DISTRIBUTION SCHEME RECOMMENDS THAT CHILLER NO. 2 BE RECONNECTED TO GENERATOR SYSTEM AND FUTURE CHILLER NO. 3 TO UTILITY POWER. THIS WILL ALLOW CHILLER NO. 1 AND 2 TO PROVIDE PARTIAL AIR CONDITIONING TO LAB BLDG. NO. 1 & 2, IN EVENT OF UTILITY POWER OUTAGE.

SINGLE LINE DIAGRAM - POWER DISTRIBUTION

NO SCALE

35. SIZE WIREWAY FOR MAX. 20% FILL
31. #4/0G - 1 1/4"C TO GROUND ROD.
32. #4/0G - 1 1/4"C TO UFER GROUND. RUN 25FT OF #4/0 BARE CU IN BLDG. FOUNDATION GRADE BEAM.
33. #3/0G - 1"C TO COPPER GRD BAR IN ELEC. ROOM.
34. INSTALLATION OF SECONDARY CONDUCTORS TO COMPLY WITH NEC ART. 240-21.

SHEET NOTES

1. EQUIPPED WITH GROUND FAULT ALARM ONLY. MONITOR STATUS AT SECURITY ROOM - LEVEL ONE.
2. WHERE SHOWN CONNECTED TO AN EMERGENCY POWER OFF SWITCH, PROVIDE CB WITH SHUNT TRIP DEVICE.
3. THE LOAD SIDE OF THE GENERATOR MAIN CIRCUIT BREAKER SHALL BE PROVIDED WITH MULTI-LUGS (DOUBLE THE QUANTITY BASE ON FEEDERS SHOWN). THIS IS TO ENABLE DIRECT CONNECTION FROM A PORTABLE GENERATOR IN EVENT OF COMPLETE ENGINE - GENERATOR BREAKDOWN IN THE FUTURE.
4. WITH SHUNT TRIP DEVICE.
5. REDUCED VOLTAGE STARTER UNDER MECH. DIVISION.
6. TWO (2) SECTION PANELBOARD.
7. FOR FUTURE CONNECTION. NO CONDUIT REQUIRED BY THIS CONTRACT.
8. FOR FUTURE CONNECTION. PROVIDE SPARE CONDUITS AS SHOWN.
9. CONVERT BUSDUCT TO PLUG-IN TYPE AS IT RISES THRU LEVEL 1.
10. DELTA-WYE STARTER WITH FUSED UNIT DISCONNECT SWITCH IN NEMA 1 ENCLOSURE. FUSE RATING PER SUPPLY FAN NAMEPLATE RATING.
11. SHOWN DIAGRAMMATIC - FITTINGS AND ELBOWS SHALL BE AS REQUIRED. REFER TO FLOOR PLANS FOR ALLOWABLE BUSWAY RATING REDUCTION AND ROUTES.
12. FOR SIMPLIFICATION, ONLY ONE EPO SWITCH IS SHOWN. CERTAIN PANELS ARE CONNECTED TO MORE THAN ONE EPO SWITCHES - REFER TO FLOOR PLANS.
13. 4#300 MCM, 1#4 G-3"C.
14. 4#2/0, 1#6 G-2"C.
15. 4#6, 1#10 G-1-1/4"C.
16. 4#1/0, 1#6 G-2"C.
17. 4#14 - 3/4"C TO SEC ROOM 1-500
18. PULLBOX "PB-1": 24"X24"X12"D WITH SCREW-ON COVER, MOUNTED ABOVE SWBD MSB-2, SEE SHEET E6.1.
19. 4#14 TO BLDG. CONTROL ANNUN. PANEL.
20. 3/4"C - SPARE TO SEC ROOM 1-500.
21. 6 - 4"C.
22. 2 - 3"C TO FUTURE ATS #3.
23. 1 - 4"C TO SITE PULL BOX "EPB-2".
24. FOR FUTURE CONNECTION (WILL BE DONE BY BUSSING CONNECTION).
25. ENGINE START WIRING.
26. GROUND TO COPPER GROUND BAR. IN ELEC. ROOM.
27. 4#3/0, 1#6G - 2"C.
28. 4#4/0, 1#4G - 2 1/2"C.
29. FEEDER LENGTH SHOWN ON THIS DIAGRAM IS APPROXIMATE AND IS INTENDED FOR VOLTAGE DROP AND SHORT CKT CALC ONLY. EXACT FEEDER LENGTH WILL BE AS REQUIRED DURING INSTALLATION. TYPICAL.
30. #4/0G - 1 1/4"C TO MAIN COLD WATER PIPE.

NOTE TO ELECTRICAL PLAN CHECKER: THE FIRE ALARM SYSTEM IS NOT A PART OF THIS ELECTRICAL PERMIT APPLICATION. IT WILL BE SUBMITTED BY THE CONTACTOR OF THE FIRE ALARM SYSTEM FOR APPROVAL BY THE CITY FIRE DEPARTMENT

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Revisions

No.		Date
1	ADDENDUM NO. 1 ISSUED FOR PLAN CHECK REVIEW	15 MAY 91
2	PLAN CHECK REVISIONS BULLETIN NO. 1	[illegible]

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Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

SINGLE LINE DIAGRAM - POWER

Scale: NONE

Project No. 19210.01

Date 11 APR 1991

B1 BULLETIN

Drawing No. E5.1

4561; 9-8-91; E5.1; JW

000811

LIGHT FIXTURE SCHEDULE (CONT.)

FIXTURE TYPE	DESCRIPTION	MANUFACTURER
A4	SIMILAR TO TYPE "A1" BUT 2-F032/35K LAMPS.	LITHONIA CAT. NO. 2PM4GB/240-12-277
03	RECESSEO DOWNLIGHT WITH OPAL ACRYLIC DIFFUSER, UL LISTEO FOR DAMP LOCATION, 2-13W PL LAMPS, 277V.	STAFF CAT. NO. 780-40CL-2-HP
1C	RECESSEO 2' X 2' FLUORESCENT WITH 16 CELL 3" OEEP SEMI-SPECULAR PARABOLIC LOUVER, TRIM TO FIT SPECIFIEO CILING GRIO WITH BOTTOM OF LOUVER ALIGNEO WITH BOTTOM OF TILES, WITH HOL-DOWN CLIPS ANO SLACK WIRES AS REOUIREO. TWO "CURVALUME" LAMPS 9 3/4" O.C. OVERALL FIXTURE HT. 5 1/2", 2-FB031T8/3300', 277V	LITHONIA CAT. NO. 2PM3-2U31-16L-277
1E	RECESSEO COMPACT FLUORESCENT WALLWASHER WITH LENS ANO CONE TO MATCH TYPE 1L, 2-26 WATT QUAD, 3500' COLOR LAMPS, 277V.	PRESCOLITE CAT. NO. CFW826-ST812
1H	PENDANO FLUORESCENT UP/DOWNLIGHT WITH PERFORATEO METAL SIOE PANELS. OVERALL LENGTH APPROX. 10'-6", TWO NOM. 5'-3" SECTIONS WITH STEMS AT ENOS ANO AT CENTER. REMOTE BALLASTS. OVERALL HT. 2'-4". SWIVEL CANOPIES, 4-F040T8/3500' LAMPS, 277V.	ZUMTOBEL CAT. NO. ID-VMR-240-MOO-1H
1J	UNDER-CABINET FLUORESCENT WITH SNAP-IN OPAQUE FRONT TASK LENS, 4 FT. ANO 5 FT. LENGTHS AS REQUIREO TO FILL WITHIN 12" OF EACH ENO OF AVAILABLE SPACE. F032T8/3500' LAMPS AS REQUIREO. PROVIDE 1 3/4" HIGH LIP ON FRONT OF CABINET OR SHELF. TANOEM-WIRE EACH ROW OF LIGHTS TO WALL SWITCH. 120V.	ALKCO CAT. NO. 332-OF OR 340-OF AS REQUIREO
1K	SURFACE MOUNTEO LIGHT AT FRONT WALL OF CONFERENCE ROOM. 4 3/4" HIGH X 4" WIOE X 11'-11" O.A. LENGTH EXTRUOEO ALUMINUM WITH CUSTOM-COLOR BAKEO ENAMEL FINISH. FABRICATE IN ONE PIECE, VERIFY LENGTH TO FIT AVAILABLE OPENING WITH APPROX. 1/2" GAP AT EACH ENO. TWO 5 FT. LAMPS ENO-TO-ENO, CENTEREO IN LENGTH OF FIXTURE, 2-FD40T8/3500' LAMPS, 277V.	LINERA MINILITE 45-T8/MOO 1/2" SILVER PARACUBE
1L	RECESSEO INCANOESCENT A-LAMP DOWNLIGHT WITH NOM. 5" DIA. CLEAR ALZAK SELF-FLANGE CONE, OVERALL HT. 10 1/2", 1-100A19 LAMP, 120V.	PRESCOLITE CAT. NO. 1222-ST262
H1	SIOE-MOUNT FLUORESCENT STRIP FOR T8 LAMP, CONCEALED IN ARCHITECTURAL METAL PAN. MAX. FIXTURE HT. 2". ENO FEEO WITH STUBOUT FROM REMOTE J-BOX, 1-F032T8/3500' LAMP, 277V.	LITHONIA CAT. NO. SM132-T8-277
1P	LOW-LEVEL LIGHT RECESSEO IN WALL, 4" OEPTH REQUIREO 2-PL13/3500' LAMP WITH "EXIT" FACEPLATE 120V.	ENGINEEREO LIGHTING PRODUCTS 113-PLWW-120NPF
1Q	PENOANT METAL HALIDE FIXTURE, 1-400W MH COATED, 277V. SEE DETAIL ON SHEET E3.3B	HOLOPHANE CAT. NO. EGH-400MH-MT-HA35
B4	SIMILAR TO TYPE B2 BUT 1X4 . 277V	LITHONIA CAT. NO SPG 240 - RW - A12 - 277 OR APPROVED EQUAL

△1

THE FOLLOWING ITEMS REFER TO THE LIGHTING FIXTURE SCHEDULE, DRAWING E5.2: △3

1. LAMP MANUFACTURER SHALL BE GE OR SYLVANIA ONLY; NO SUBSTITUTES.
2. ALL HID LAMPS SHALL BE COLOR CORRECTED TYPE.
3. BALLAST MANUFACTURER SHALL BE TRIAD OR ADVANCE ONLY; NO SUBSTITUTES.

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LIGHT FIXTURE SCHEDULE (CONT.)

FIXTURE TYPE	DESCRIPTION	MANUFACTURER
J	1' X 2' RECESSEO INCANDESCENT OOUBLE COMPARTMENT OARK ROOM SAFELIGHT. ONE COMPARTMENT FOR GENERAL ILLUMINATION ANO ONE COMPARTMENT FOR FILTER. FILTER TO BE SELECTEO. 1-200A23/1F ANO 1-15A15/1F LAMP.	ALKCO CAT. NO. R-2058-2 FOR LAY-IN CEILING, OR APPROVEO EQUAL
K	WALL MOUNTED COMPACT FLUORESCENT LIGHT FIXTURE, 2-13 WATT PL LAMPS, 120 VOLT. +8'-0", SEE DET. A/A6.02 △1	LOUIS POULSEN AJE-809
L	6" SOUARE X 10' LONG OIRECT/INOIRECT ONE LAMP WALL MOUNTEO FLUORESCENT METAL SIOEO FIXTURE. 1 1/2" X 1 1/2" X 1" SPECULAR FINISH BOTTOM LOUVER. FINISH BY ARCHITECT. 1-F032/35K ANO 2-F025/35K LAMPS.	LITECONTROL CAT. NO. WIO-66N-SPL-10-T8-1 1/2" X 1 1/2" X 1" SPECULAR FINISH POLYSTYRENE LOUVER, OR APPROVEO EQUAL
L1	SAME AS TYPE "L" EXCEPT 14' LENGTH ANO NO. OF LAMPS. 2-F032/35K ANO 2-F025/35K LAMPS.	LITECONTROL CAT. NO. WIO-66N-SPL-10-T8-1 1/2" X 1 1/2" X 1" SPECULAR FINISH POLYSTYRENE LOUVER, OR APPROVEO EQUAL
M	CUSTOM FLUORESCENT ARCHITECTURAL ILUMINOUS SOFFIT WITH 1/2" X 1 1/2" X 1" SPECULAR FINISHEO POLYSTYRENE LOUVER AND TWO 4' LONG UTILITY STRIPS. 1-F032/35K LAMP EACH UTILITY STRIP.	LITHONIA CAT. NO. S132H(T8), WELLMADE CAT. NO. 202-148(T8)-HPF, OR APPROVEO EQUAL
M1	SAME AS TYPE "M" EXCEPT LENGTH ANO 4 FIXTURES. 1-F032/35K LAMP EACH UTILITY STRIP	LITHONIA CAT. NO. S132H(T8), WELLMAOE CAT. NO. 202-148(T8)-HPF, OR APPROVEO EQUAL
N	9" SOUARE RECESSEO WET LABEL TWO LAMP 13W COMPACT FLUORESCENT FIXTURE. WHITE ALUM. TRIM WITH BLACK REGRESS. PRIMSATIC POLYCARBONATE LENS, SPECULAR ALUM. REFLECTOR. HPF. 2-13W TWIN/27 LAMPS.	KIRLIN CAT. NO. 92910-13-61, OR APPROVEO EQUAL
P	WALL SCONCE 2- 9W COMPACT FLUORESCENT 277V. 15 3/4"W [illegible] 4 1/2" PROJECTION △3	PRIMO COLLECTION NUVOLA FIXT. REF. NO. 303-277V
R	CEILING MOUNTED INCANDESCENT CLASS I, OIVISION 1, EXPLOSION-PROOF FIXTURE. ALUMINUM HOUSING ANO GUARO. HEAT AND INPACT RESISTANT GLASS GLOBE. 1-300W-PS-25/1F LAMP, 120 VOLT.	APPLETON CAT. NO. AC1550-AAGU-1, CROUSE-HINDS CAT. NO. EVCX
S	8" WIOE X 4' LONG SURFACE MOUNTEO U.O.N. TWO LAMP PROFILE ENCLOSEO AND GASKETEO FLUORESCENT FIXTURE. HIGH IMPACT ACRYLIC DIFFUSER. WET LABEL. 2-F032/35K LAMPS.	LITHONIA CAT. NO. OV232(TB)AR, DAYBRITE CAT. NO. VR24W(T8), WILLIAMS CAT. NO. 8922-OR-T8-WET
T	WALL MOUNTEO INCANDESCENT INTEGRAL BOX VAPOR TIGHT FIXTURE. CAST ALUMINUM. GLASS GLOBE. ALUM. GUARO. 1-100A191F LAMP.	STONCO CAT. NO. VWXL21, HUBBELL CAT. NO. VWX-151-VG-15-VCG-15, OR APPROVEO EQUAL
V	INDIRECT-DIRECT FLUORESCENT LIGHT FIXTURE, 2-F040/35K T8 LAMPS, 277V; EXTRUOEO ALUMINUM HOUSING; PARABLOIC LOUVER MATT SILVER OIRECT LIGHTING COMPONENT; OPAL ACRYLIC LENS FOR INOIRECT COMPONENT. MODIFIEO FOR WALL BRACKET MOUNTING.	ZUM TOBEL LIGHTING INC., CAT. NO. IO-VMR-240-MOO-WALL MOUNT NO KNOWN EQUAL.
AA	OUTOOOR HIGH PRESSURE SOOIUM LIGHT STANOARD, TWIN 400 WATT HPS FIXTURES MOUNTEO ON SQUARE POLE 30'-0" NOMINAL POLE HEIGHT. POLE: 30'-0" SQUARE STEEL (HOT-ROLLEO BASIC OPEN-HEARTH STEEL) POLE. FINAL FINISH TO BE SELECTEO BY ARCH. FROM MANUFACTURER'S STANOARD COLOR SELECTION. LUMEC CAT. NO. SPSG-30 FIXTURE: 2-400/W HPS FIXTURES. FINAL FINISH TO BE SELECTEO BY ARCH. FROM MANUFACTURER'S STANOARO COLOR SELECTION LUMEC OPTILUX OPL SERIES; 277 VOLT.	
AB	SIMILAR TO TYPE AA BUT ONE LUMINAIRE.	
AC	WALL MOUNTEO OUTDOOR 70 W HPS LIGHT FIXTURE, HIGH POWER FACTOR BALLAS.	STONCO CAT. NO. WPS 70 HLX
AD	WALL MOUNTEO OUTDOOR METAL HALIDE LIGHT FIXTURE, 1-175 W MH, 277 VOLT. TYPE IV OISTRIBUTION. FINAL FINISH TO BE SELECTEO BY ARCH. FROM MANUFACTURER'S STANOARD COLOR SELECTION.	LUMEC CAT. HO. 175-OPT4-MH-277-W8
AE	STEP LIGHT, 70W METAL HALIOE LAMP, 277 VOLT.	KIM LIGHTING CAT. NO. LLF-10/70MH277/NA-E
AF	7" SQ X 30" H BOLLARD LIGHT FIXTURE, ALUMINUM, CLEAR OIFFUSER, 1-100 W MH. FINAL FINISH TO BE SELECTED BY ARCH. FORM MANUFACTURER'S STANDARD COLOR SELECTION, 120V	STERNER CAT. NO. BY-30-G
AG	RECESSEO DOWNLIGHT, DAMP LABEL LOCATION, REGRESSEO LENS, 1-175W MH, 277 VOLT.	PRESCOLITE CAT. NO. 1391M9-175 MHFE-M71
AH	UP LIGHT, 1-250W PAR 38, 120V, ONE PIECE CAST ALUMINUM.	KIM LIGHTING CAT. NO. 5000-5083 OR APPROVED EQUAL

NOTE 2: POWER SUPPLY PACK SHALL BE 2-120V PRIMARY CIRCUITS UNIT.

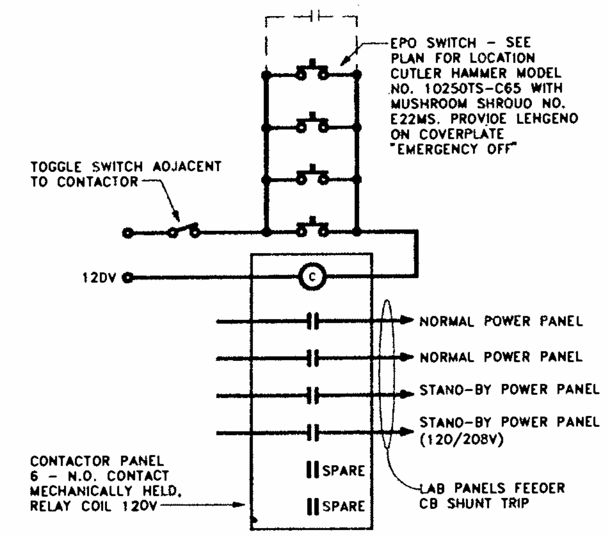
LIGHT FIXTURE SCHEDULE

FIXTURE TYPE	DESCRIPTION	MANUFACTURER
A	1' X 4' RECESSEO LAY-IN, TWO LAMP, 4' OEEP CELL PARABOLIC LOW GLARE/IRIOESCENCE "OPTIMAX" LOUVER, FLOURESCENT FIXTURE. 9 CELLS HINGE ANO LATCH LOUVER, BLACK CONTINUOUS REVEAL. STATIC. 2-F032/35K LAMPS, 277 VOLT.	LITHONIA CAT NO. PMO-GB2829-T8-LS-SIDE BALLAST △1
A1	2' X 4' RECESSEO LAY-IN THREE LAMP 4" OEEP CELL PARABOLIC LOW GLARE/IRIOESCENCE FLUORESCENT FIXTURE. 27 CELLS. HINGE ANO LATCH LOUVER, BLACK CONTINUOUS REVEAL. STATIC 3-F032/35K LAMPS, 277 VOLT	LITHONIA CAT. NO. 2PMOGB332(T8)27S
A2	2' X 2' RECESSEO LAY-IN THREE LAMP 4" DEEP CELL PARABOLIC LOW GLARE/IRIDESCENCE FLUORESCENT FIXTURE. 12 CELLS. HINGE ANO LATCH LOUVER. BLACK CONTINUOUS REVEAL. STATIC 3-FB031/35K LAMPS, 277 VOLT.	LITHONIA CAT. NO. 2PMOGB331U(T8)12S
A3	1' X 2' RECESSEO LAY-IN TWO LAMP 4' OEEP CELL PARABOLIC LOW GLARE/IRIDESCENCE FLUORESCENT FIXTURE. 12 CELLS. HINGE ANO LATCH LOUVER. BLACK CONTINUOUS REVEAL. STATIC 2-F017/35K LAMPS, 277 VOLT.	LITHONIA CAT. NO. PMOGB2F017(TB)LS
		△1
B	2' X 4' RECESSEO LAY-IN FOUR LAMP FLUORESCENT FIXTURE PRISMATIC ACRYLIC LENS. HINGE ANO CAM LATCH REGRESSEO ALUM. DOOR FRAME, 4-F032/35K LAMPS, 277 VOLT.	LITHONIA CAT. NO. 2SPG432(T8)RWA 12, DAYBRITE OR COLUMBIA EQUAL
B1	2' X 4' RECESSEO LAY-IN THREE LAMP FLUORESCENT FIXTURE PRISMATIC ACRYLIC LENS. HINGE ANO CAM LATCH REGRESSED ALUM. DOOR FRAM. 3-F032/35K LAMPS, 277 VOLT.	LITHONIA CAT. NO. 2SPG332(T8)RWA 12, OAYBRITE OR COLUMBIA EQUAL
B2	2' X 4' RECESSEO LAY-IN TWO LAMP FLUORESCENT FIXTURE. PRISMATIC ACRYLIC LENS. HINGE ANO CAM LATCH REGRESSEO ALUM. DOOR FRAME. 2-F032/35K LAMPS, 277 VOLT.	LITHONIA CAT. NO. 2SPG232(T8)RWA 12, OAYBRITE CAT. NO. SG242(T8)MFA120 OR COLUMBIA CAT. NO. 4PS4G52242(T8)
B3	SIMILAR TO TYPE "B2" BUT 2'X2'	LITHONIA CAT. NO. 2SPG2U40-RW-A12
C	1' X 4' STEM MOUNTEO TWO LAMP FLUORESCENT WRAPAROUNO PRISMATIC ACRYLIC LENS FIXTURE. TORSION SPRING HINGE/LATCH. WHITE FINISH. 2-F032/34K LAMPS, 277 VOLT.	LITHONIA CAT. NO. AW232(T8)A, OR PRUDENTIAL CAT. NO. P-180248(T8)RS-PRA, MARK CAT. NO. MH12232(T8)A, OR APPROVEO EQUAL. STEM MOUNT BOTTOM OF FIXTURE AT 8'-0" A.F.F.
O	8" ROUNO RECESSEO OPEN TWO LAMP 26W COMPACT FLUORESCENT DOWNLIGHT. HPF SPECULAR CLEAR ALZAK REFLECTOR. ANO SELF-FLANGE CONE (ALZAK) 2-26W QUAD/27 LAMPS, 277 VOLT.	PRECOLITE CAT. NO. CFR826-492-HPF, STAFF CAT. NO 28CL-HP, OR APPROVEO EQUAL
O1	8" ROUNO PRECESSEO OPEN TWO LAMP 13W COMPACT FLUORESCENT DOWNLIGHT. HPF SPECULAR CLEAR ALZAK REFLECTOR. ANO SELF-FLANGE CONE (ALZAK) 2-13W TWIN/27 LAMPS, 277 VOLT.	PRESCQLITE CAT. NO. CFR813-572-HPR, STAFF CAT. NO. 28CL-HP, OR APPROVEO EQUAL
O2	SAME AS TYPE O1	
E	ILLUMINATEO EXIT SIGN WITH ARROWS AS NOTEO OR REQUIREO, WALL OR CEILING MOUNTEO AS SHOWN, GREEN LETTERS WHITE BACKGROUND, HOUSING COLOR AS SELECTED BY ARCH. FROM STANDARD COLOR	LITHONIA "PRECISE" COLLECTION SERIES, 2 LAMPS, FR2P-X2 SERIES, SEE NOTE 1. △4
E1	LOW-LEVEL ELECTROLUMINESCENT EXIT SIGN ANO EXIT PATH MARKING SYSTEM. SURFACE MOUNTEO POLYCARBONATE EXIT SIGN ANO MARKING TRACK. POWER SUPPLY PACK, 120 VOLT. SEE NOTE 2 △3	LOCTITE LUMINESCENT SYSTEMS, INC. NO KNOWN EQUAL CITY OF LA RES. REPORT #95981 △1
E2	ILLUMINATEO EXIT SIGN WITH ARROWS AS NOTED OR REQUIREO. LEO (LIGHT EMITTING DIODES) TYPE GREEN LETTERS ON WHITE BACKGROUNO. SEE NOTE 1. △2	HUBBEL FREEDOM SERIES LEO-1-AC-WG-2C-277/277V FOR SINGLE FACE, LEO-2-AC-WG-2C-277/277V FOR DUAL FACE △4
F	6" SOUARE X 4' LONG WALL MOUNTED TWO LAMP PROFILE FLUORESCENT WRAPAROUNO PRISMATIC LENS FIXTURE. TORSION SPRING HINGE/LATCH. WHITE FINISH. 2OF032/35K LAMPS, 277 VOLT.	DAY-BRITE/BENJAMIN AZTEC CAT. NO. CZW-2224-4 OR APPROVEO EQUAL
F1	10 1/4" X 4' LONG CEILING MOUNTEO TWO LAMP PROFILE FLUORESCENT WRAPAROUND ACRYLIC LENS, FIXTURE. WHITE FINISH F032/35K	DAY-BRITE CAT. NO. WA142-120 OR APPROVED EQUAL
G	12" WIOE REFLECTOR X 8' LONG SURFACE MOUNTEO INDUSTRIAL FLUORESCENT FIXTURE. NO UPLIGHT. SINGLE LAMP PROFILE. 87% REFLECTANCE FINISH. 2-F032/35K LAMPS.	WILLIAMS CAT. NO. 8021-T8, OR APPROVEO EQUAL
H	8' LONG ONE LAMP PROFILE FLUORESCENT UTILITY STRIP, WIRE GUARD. 2-F032/35K LAMPS. △1 PENDANT MOUNT +8'-6". COORDINATE EXACT LOCATION WITH MECH. WORK.	LITHONIA CAT. NO. 8T-UN132(T8) - TWO WG9, DAYBRITE CAT. NO. C132(T8)-8 - TWO HSG4814-225W, KEYSTONE CAT. NO. CS132(T8)-8 - TWO 4WGA
H2	SAME AS TYPE H EXCEPT 4' LONG, 1-F032/35K LAMPS, NO WIRE GUARD.	LITHONIA CAT. NO. UN148 277 OR APPROVED EQUAL

NOTE 1: EXIT SIGN SHALL BE 2 SEPARATE CIRCUITS; ONE CIRCUIT FOR EACH LAMP. △4

EPO SYSTEM

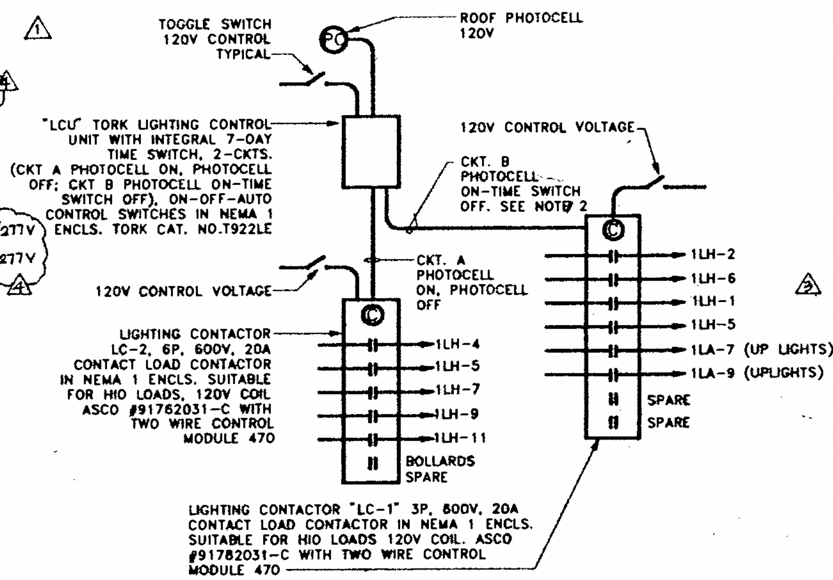
CONTACTOR OESIGNATION	QUANTITY OF EPO SWITCHES	PANEL TO BE SHUT OOWN
CEPO #1	4	3LF, 3LG, 3ELE, 3ELF
CEPO #2	4	3LD, 3LE, 3ELC, 3ELD
CEPO #3	3	3LB, 3LC, 3ELA, 3ELB
CEPO #G1	2	SUPPLY FANS S-1 ANO S-2 STARTER
CEPO #G2	2	MCC-1EMCC, MSB-2 FEEDER DEVICE (CH-1 & CH-2), FUTURE CH-3, MEOP SW. (CH-1)
CEPO #4	5	2LG, 2ELE, 2ELF, 2LF
CEPO #5	4	2LE, 2LD, 2ELC, 2ELO
CEPO #6	4	2ELA, 2ELB, 2LB, 2LC
CEPO #7	2	1LC, 1ELC
CEPO #8	1	1ELA, 1LF
CEPO #9	4	1LB, 1ELB



NOTE: THE ABOVE OIAGRAM IS SIMILAR TO CHILLER EQUIPMENT AND GROUNO MECH. EQUIP. ROOM EPO SWITCH.

EMERGENCY POWER OFF (EPO) DIAGRAM

△1



NOTE:
1. INSTALL TOGGLE SWITCH, CONTACTORS ANO CONTROL UNIT AOJACENT TO PANEL 1LH LABEL EQUIPMENT WITH NAMEPLATES.
2. SET TIME SWITCH TO TURN OFF PARKING LOT LIGHTS AT 11:00 P.M. VERIFY THIS SCHEOULE WITH KAISER.

OUTDOOR LIGHTING CONTROL DIAGRAM

△3

NOTE TO ELECTRICAL PLAN CHECKER: THE FIRE ALARM SYSTEM IS NOT A PART OF THIS ELECTRICAL PERMIT APPLICATION. IT WILL BE SUBMITTED BY THE CONTRACTOR OF THE FIRE ALARM SYSTEM FOR APPROVAL BY THE CITY FIRE DEPARTMENT.

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Laboratory Mechanical Engineer

Laboratory Electrical Engineer

Revisions No.		Date
△1	ADDENDUM NO 1	15MAY91
△2	ADDENDUM No 2	12JUN91
△3	ADDENDUM No 4	2 JULY91
△4	PLAN CHECK REVISIONS / BULLETIN NO. 1	[illegible]

Regional Reference Laboratory
11668 Sherman Way
North Hollywood-Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

RISER DIAGRAM, FIXTURE SCHEDULE

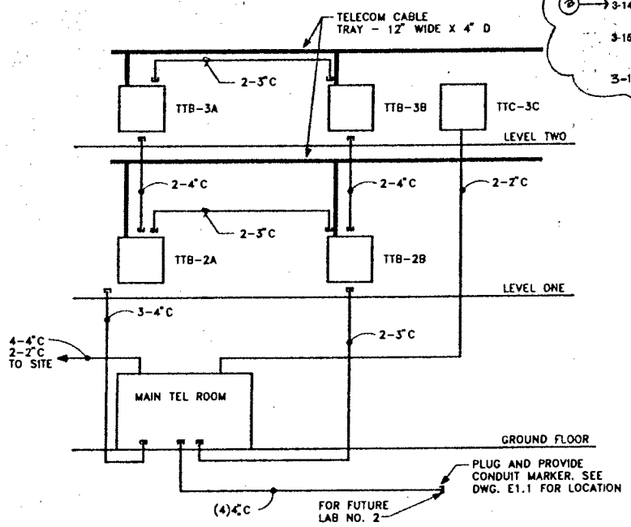
Scale: NONE

Project No. 19210.01

Date 11 APR 1991

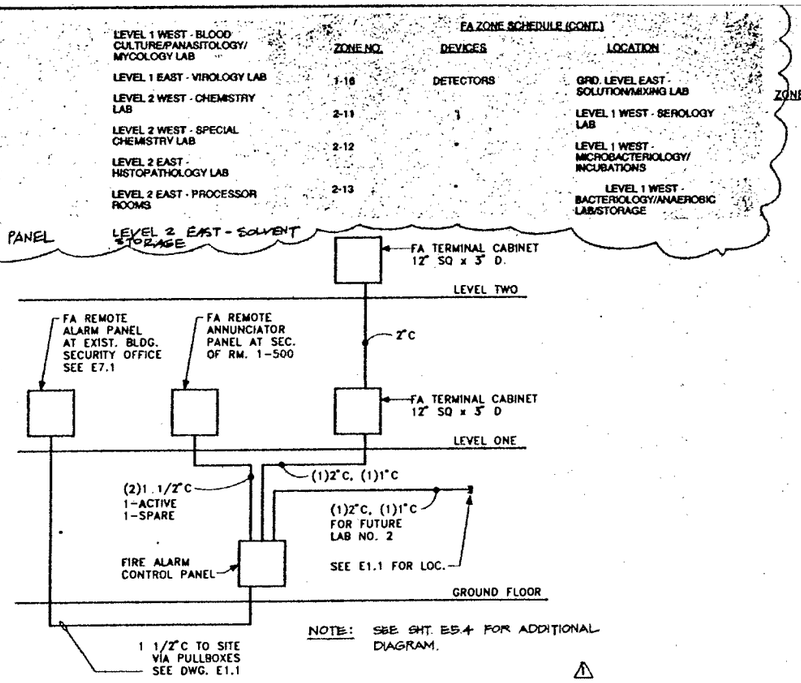
B1 BULLETIN

Drawing No. E5.2



1 TELEPHONE RACEWAY RISER DIAGRAM

NTS



4 FIRE ALARM SYSTEM RISER DIAGRAM

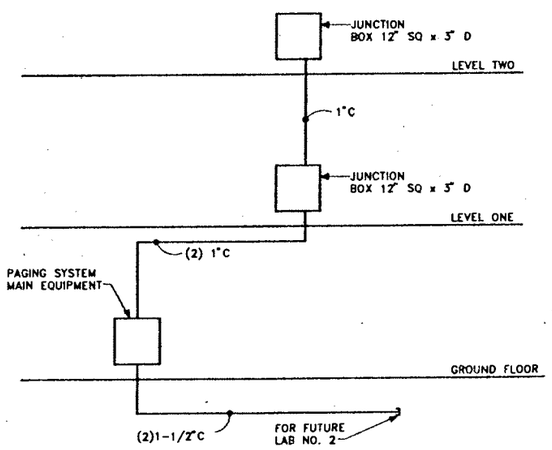
NTS

FA SYSTEM ZONE SCHEDULE

ZONE NUMBER	DEVICES	LOCATION
3-1	SMOKE DETECTORS	LEVEL 2 - ADMIN
3-2	MANUAL PULL STATIONS	LEVEL 2 - ADMIN
3-3	FIRE SPRINKLER FLOW SWITCH	LEVEL 2 - "
3-4	FIRE SPRINKLER TAMPER SWITCH	LEVEL 2 - "
3-5	SMOKE DETECTORS	LEVEL 2 - EAST
3-6	MANUAL PULL STATIONS	LEVEL 2 - EAST
3-7	HALON SYSTEM	LEVEL 2 - EAST
2-1	SMOKE DETECTORS	LEVEL 1 - ADMIN
2-2	MANUAL PULL STATIONS	LEVEL 1 - "
2-3	FIRE SPRINKLER FLOW SWITCH	LEVEL 1 - "
2-4	FIRE SPRINKLER TAMPER SWITCH	LEVEL 1 - "
2-5	SMOKE DETECTOR	LEVEL 1 - EAST
2-6	MANUAL PULL STATION	LEVEL 1 - EAST
2-7	FLOW SWITCH	LEVEL 1 - EAST
2-8	TAMPER SWITCH	LEVEL 1 - EAST
1-1	SMOKE DETECTORS	GROUND LEVEL - EAST
1-2	MANUAL PULL STATIONS	GROUND LEVEL - EAST
1-3	FIRE SPRINKLER FLOW SWITCH	GROUND LEVEL ST. #4
1-4	FIRE SPRINKLER TAMPER SWITCH	GROUND LEVEL ST. #4
1-5	FIRE SPRINKLER FLOW SWITCH	GROUND LEVEL -LOAD. DOCK
1-6	FIRE SPRINKLER TAMPER SWITCH	GROUND LEVEL -LOAD DOCK
1-7	HALON SYSTEM	GROUND LEVEL
1-8	ELEC ROOM SMOKE DETECTORS	GROUND LEVEL
1-9	MAIN TEL ROOM/PUT. DIST. SMOKE DET.	GROUND LEVEL
1-10	MECH ROOM HEAT DETECTORS	GROUND LEVEL
1-11	FIRE SPRINKLER FLOW SWITCH	GROUND LEVEL G-200
1-12	FIRE SPRINKLER TAMPER SWITCH	GROUND LEVEL G-200
1-13	SMOKE DETECTOR – SUPPLY AIR PLENUM	GROUND LEVEL
S-1	PIV TAMPER SWITCH	SITE
1-14	FIRE SPRINKLER FLOW SWITCH	GROUND LEVEL G-100
1-15	FIRE SPRINKLER TAMPER SWITCH	GROUND LEVEL G-100
3-8	SMOKE DETECTORS	LEVEL 2 - WEST
3-9	MANUAL PULL STATION	" 2 - "
3-10	FLOW SWITCH	" 2 - EAST
3-11	TAMPER SWITCH	" 2 - "
2-9	SMOKE DETECTORS	" 1 - WEST
2-10	MANUAL PULL STATION	" 1 - "
1-14	MANUAL PULL STATION	GROUND LEVEL - WEST

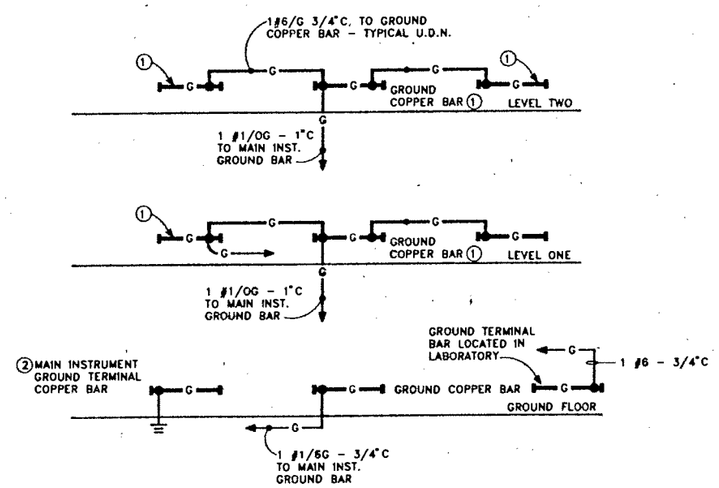
NOTES:

1. THE BUILDING IS PLANNED TO DOUBLE ITS SIZE IN THE FUTURE. THE FIRE ALARM CONTROL PANEL SHALL BE CAPABLE OF SERVING FUTURE DEVICES AND STATIONS FIMILAR IN SIZE TO ABOVE ZONING. THE POWER SUPPLY AND BATTERY SIZING SHALL INCLUDE THIS FUTURE DEVICES.
2. NEAR CYLINDER STORAGE.
3. FURNISH WITH INTRINSICALLY SAFE ZONE MODULE, PYROTRONICS 29-30 MODULE



2 PAGING SYSTEM RISER DIAGRAM

NTS



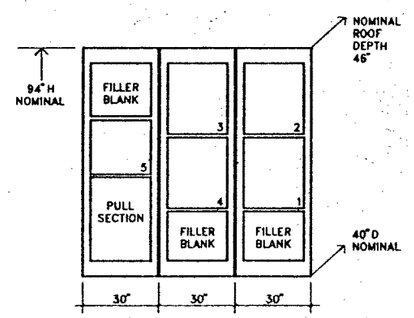
NOTES:

① 10" W X 6" H X 1/4" THICK COPPER GROUND TERMINAL IN 12" SQ. X 4" D JUNCTION BOX LOCATED IN LABORATORY.

② LOCATED IN MAIN ELEC. ROOM GOUND FLOOR.

3 INSTRUMENT GROUND RISER DIAGRAM

NTS



NOTE: SWBD. SHALL BE OUTDOOR TYPE, NON-WALK IN, SIMILAR TO GENERAL ELECTRIC AV-5 SERIES WITH INSULATED CASE CIRCUIT BREAKERS.

SWBD. EMSB ELEVATION

N.T.S.

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Revisions

No.		Date
1	ADDENDUM NO.1	[illegible]
2	PLAN CHECK REVISIONS / BULLETIN NO. 1	[illegible] 11NOV'91
3	BULLETIN NO. 2	

NOTE TO ELECTRICAL PLAN CHECKER: THE FIRE ALARM SYSTEM IS NOT A PART OF THIS ELECTRICAL PERMIT APPLICATION. IT WILL BE SUBMITTED BY THE CONTACTOR OF THE FIRE ALARM SYSTEM FOR APPROVAL BY THE CITY FIRE DEPARTMENT

Regional Reference Laboratory
11666 Sherman Way
North Hollywood-Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

RISER DIAGRAMS

Scale: NONE

Project No. 19210.01

Date 24 JAN 1992

B2 BULLETIN

Drawing No. E5.3

1300-11

4561; 4-8-91; E5.3; JW

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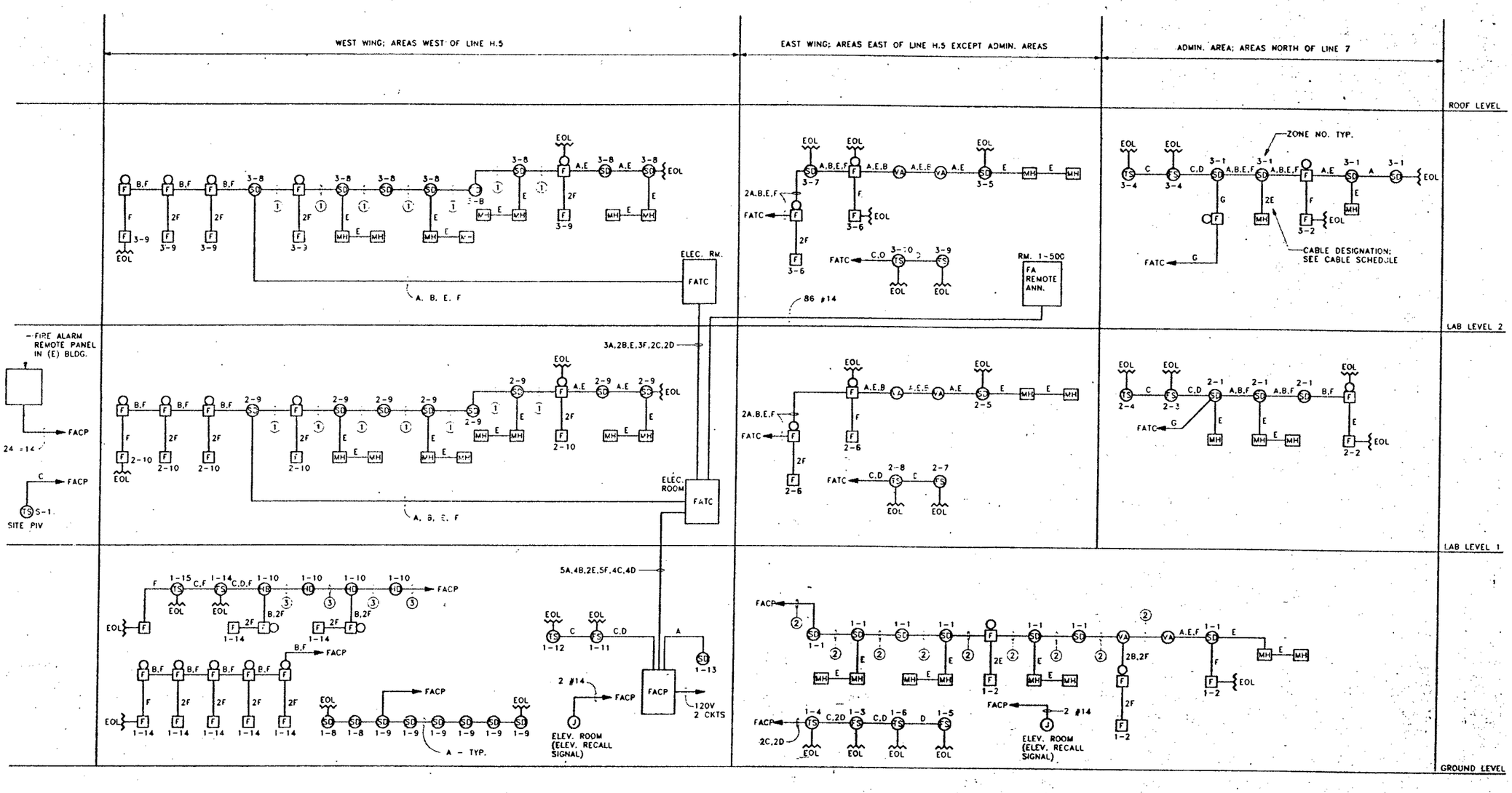

FIRE ALARM RISER DIAGRAM

NTS

SHEET NOTES:

1. CABLES A,B,E,2F.
2. CABLES A,B,E,F.
3. CABLES A,B,C,D,F.

KAISER LAB
11664 SHERMAN WAY
LOS ANGELES, CA

BATTERY SIZE COMPUTATIONS

NFPA 72A

Emergency Generator: Yes

STANDBY HOURS REQUIRED:

STANDBY CONDITION/TONE ALERT SOUNDING

Control Module:	1@	.82 =	.82A
Zone Module:	10@	.08 =	.80A
Signal Module:	0@	0 =	0A
Detectors:	0@	0 =	0A
Others:	0@	0 =	0A
Total Supervisory Current:		=	1.42A
TOTAL SUPERVISORY CURRENT =	1.42	24 Hours =	34.08AH

ALARM CONDITION/SIGNAL SOUNDING

Control Module:	1@	1.35 =	1.35A
Zone Module:	10@	0.2 =	2.0A
Signals (24V DC):	36@	.035 =	1.26A
Total Alarm Current:		=	4.61A
TOTAL ALARM CURRENT =	4.61 X	0.083 Hours =	.383AH

MIN. AMPERE CURRENT - HOURS REQUIRED = 34.463 AH

SPECIFIED BATTERIES AMPERE HOUR IS 120AH PER SECTION H6610-8

NOTE: THE BASIS OF SYSTEM CALCULATION IS PER SIMPLEX FIRE ALARM PRODUCTS.

VOLTAGE DROP (VD) CALCULATIONS

PROJECT NAME - - - - - KAISER LAB, 11666 SHERMAN WAY, LOS ANGELES, CA

DEVICE #	1st	2nd	3rd	4th	5th	6th	7th	8th	9th	10th
GAUGE WIRE	14	14	14	14	14	14	14	14	14	14
DISTANCE (FT)	20	60	20	30	30	30	180	300	0	0
DEV AMP DRAW	0.08	0.045	0.045	0.045	0.045	0.045	0.08	0.08	0	0
AMPS @ DEVICE	0.465	0.385	0.34	0.295	0.25	0.205	0.16	0.08	0	0
VOLT. DROP	0.0459	0.1519	0.0357	0.0465	0.0394	0.0323	0.1245	0.1261	0	0

DEVICE #	11th	12th	13th	14th	15th	16th	17th	18th	19th	20th
GAUGE WIRE	14	14	14	14	14	14	14	14	14	14
DISTANCE (FT)	0	0	0	0	0	0	0	0	0	0
AMPS @ DEV	0	0	0	0	0	0	0	0	0	0
AMPS @ DEVICE	0	0	0	0	0	0	0	0	0	0
VOLT. DROP	0	0	0	0	0	0	0	0	0	0

DEVICE #	21th	22nd	23rd	24th	25th	26th	27th	28th	29th	30th
GAUGE WIRE	14	14	14	14	14	14	14	14	14	14
DISTANCE (FT)	0	0	0	0	0	0	0	0	0	0
AMPS @ DEV	0	0	0	0	0	0	0	0	0	0
AMPS @ DEVICE	0	0	0	0	0	0	0	0	0	0
VOLT. DROP	0	0	0	0	0	0	0	0	0	0

TOTAL CKT. V.D. = 0.8253

CKT VOLTAGE = 24V

% VOLTAGE DROP = 2.00541

WIRE SIZE	RESIS. Ω/FT.	CIRC. MILS
10	1.21	10380
12	1.98	6530
14	2.52	4110
16	4.02	2580
18	6.39	1620
20	10.1	1020
22	16.3	640

"FORMULA"

1" FEET * 21.6 / CM

CABLE SCHEDULE

A = SMOKE DETECTOR CKT; 2 #14

B = AUDIO/VISUAL ALARM CKT; 2 #14

C = TAMPER SWITCH; 2 #14

D = FLOW SWITCH; 2 #14

D = DOOR HOLDER; 2 #18

F = PULL STATIONS; 2 #14

G = INCLUDES CABLES A,B,C,D,D,F

NOTES: ALL WIRES TO BE IN CONDUIT.

NOTE: REFER TO LIGHTING PLANS FOR SMOKE DETECTORS IN LAB AREAS. REFER TO SHEET E5.3 FOR ZONING DESCRIPTION.

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Laboratory Electrical Engineer

Revisions

No.		Date
	ISSUE NEW SHEET	15MAY 91
	ISSUED FOR PLAN CHECK REVIEW	
1	PLAN CHECK REVISION/ BULLETINI NO. 1	11NOV'91
2	BULLETIN NO. 2	

Regional Reference Laboratory
11666 Sherman Way
North Hollywood-Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

FIRE ALARM RISER DIAGRAM

Scale: NONE

Project No.: 19210.01

Date: 24 JAN 1992

B2 BULLETIN

Drawing No. E5.4

PROJECT NO. 19210.01

VERIFY TITLE

NO. | DWG. TITLE | NOTES

455; 5-8-91; E5.4; JW

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EMERGENCY DIST. SWBD "MEDP" SCHEDULE
1600A, 480/277V, 3ø, 4W AIC: 50,000 A MAIN: MLO GROUND BUS

CIRCUIT NO.	DESIGNATION	DISCONNECT AMPERE SWITCH-3P	DISCONNECT AMPERE FUSE-3P	FEEDER	REMARKS
1	TRANSF. T - EOP1/1ELOP	600	600	(2)3#350MCM, 1#1/G - 3"C	
2	SPACE (200A)				
3	SUPPLY FAN S-1	400	200 ⚠2	3#2/0, 1#4G - 2"C	100 HP 124A
4	PANEL 1EHPP	600	500	(2) 3 #250 MCM 1 #2G - 2 1/2"C	405A
5	PANEL 1EH	100	100	4#1, 1#8G-1-1/2"C	7A
6	PANEL 2EH/3EH	200	150	4#1/0, 1#6G-2"C	26A
7	PANEL 3ELDP/T-EOP2	400	350	3#500 MCM, 1#2G-3-1/2"C	
8	UPS SYSTEM	200	200	3#3/0, 1#4G-2"C 100 KVA	51 A
9	SPACE (200A)				
10	SPACE (100A)				
11	TEL ROOM AC-1	60	50	3#6, 1#10G - 1"C	18A
12	TEL ROOM AC-2	60	50	3#6, 1#10G - 1"C	18A
13	SAN. SEW. PUMP SP-3/4	60	15	3#12, 1#12G-3/4"C	2A
					TOTAL = 1,259A
					DEMAND = 1,298A

56.93 313.83 31.08

21.4 150 .8

⚠2 NOTES: 1. SWBD. SHALL BE GENERAL TYPE AV-2 LINE WITH QMR SWITCHES AND CLASS RK1 FUSES.
2. SEE SHEET E4.1 FOR DEMAND LOAD CALCULATIONS.

MAIN SWBD. NO.2 "MSB-2" SCHEDULE
480V, 3ø, 3W 1600A AIC: 100,000 MAIN: MLO GROUND BUS

CIRCUIT NO.	DESIGNATION	DISCONNECT AMPERE SWITCH-3P	DISCONNECT AMPERE FUSE-3P	FEEDER	REMARKS
1	CHILLER NO.1	800	700	(2)3#350 MCM, 1#1/0G - 3"C	439A FULL LOAD
2	CHILLER NO.2	800	700	(2)3#350 MCM, 1#1/0G - 3"C	439A FULL LOAD

NOTE: THE SWBD. SHALL BE GENERAL ELECTRIC AV-2 LINE, FRONT OR SIDE ACCESS ONLY, WITH QMR SWITCHES AND CLASS L FUSES.

DEMAND = 439 + 1.25 × 439 = 988A ⚠2

MAIN SWBD. NO.2 "EMSB" SCHEDULE
480/277V, 3ø, 4W 4000A AIC: 50,000 MAIN: MLO GROUND BUS

CIRCUIT NO.	DESIGNATION	CIRCUIT BREAKER AMPERE FRAME-3P	CIRCUIT BREAKER AMPERE TRIP-3P	FEEDER	REMARKS
1	SWBD "MEDP"-ATS#1	1600	1600	(5) 4#400 MCM 1#4/0 G-3-1/2"C	1,259A ⚠2
2	CHILLER NO.1-ATS#2	800	800	(2)3#350 MCM, 1#1/0G - 3"C	439A
3	SPACE (800 AF)				FUT. ATS-3
4	SPACE (1600 AF)				FUT. LAB NO. 2
5	SPACE (800 AF)				FUT. GARAGE

NOTE: SWBD SHALL BE GENERAL ELECTRIC AV-5 LINE, NEMA 3R ENCLOSURE WITH INSULATED CASE CIRCUIT BREAKER MICROVERATRIP 4.

⚠2 DEMAND LOAD = 100% LOAD + 25% LIGHTING + LARGEST MOTOR
= 1259 + 439 + 25% (439 + 7 + 26 + 48)
= 1,828A (1519.73 KVA)

DISTRIBUTION PANEL "1HDP" SCHEDULE
800A 480/277V, 3ø, 4W AIC:22,000 MAIN: MLO GROUND BUS

CIRCUIT NO.	DESIGNATION	CIRCUIT BREAKER AMPERE FRAME-3P	CIRCUIT BREAKER AMPERE TRIP-3P	FEEDER	REMARKS	LOAD ⚠2
1	PANEL - 1H	225	100	4#1,1#8G-1 1/2"C		75A
2	PANEL - 2H - PANEL 3H	225	200	4 #3/0, 1 #6G-2 1/2"C ⚠1		150A
3	PANEL 2HA	225	70	4#2,1#8G-1 1/2"C		20A
4	SPACE					
5	DIST. PANEL 1LOP/T-DP2	400	300	3#500MCM,1#2G-3 1/2"C (2) 4"C - SPARE	191.24 KVA	245A*
6	SPACE ⚠2					
7	SPACE					
8	SPACE					
					TOTAL	= 490A

* INCLUDES 1.25% LCL ⚠2

⚠2 DEMAND LOAD = 100% LOAD + 25% LTG AND LARGEST MOTOR
= 490 + 25% (75 + 150 + 20)
= 551A

MAIN SWITCHBOARD "MSB-1" SCHEDULE
480/277V, 3ø 4W AIC: 100,000A MAIN: 3000A GROUND BUS

CIRCUIT NO.	DESIGNATION	DISCONNECT AMPERE SWITCH-3P	DISCONNECT AMPERE FUSE-3P	FEEDER	REMARKS
1	TRANSF T-OP1/LAB POWER	800	700	(3)3#250 MCM, #1/0G - 3"C ⚠1	464 KVA (558A) ⚠2
2	SPACE				
3	POWER PANEL 1HPP	800	800	(3) 3# 300 MCM, #1/0G - 3"C	360A
4	DIST. PANEL 1HOP	800	800	(3) 4#300 MCM, #1/0G - 3"C	551 A*
5	EMERG. SWBD MEDP/ATS#1	1600	1600	(5) 4#400 MCM #4/0G-3 1/2"C	1292 A**

⚠2 DEMAND LOAD = 2,761A (INCLUDES 1.25% OF LIGHTING AND LARGEST MOTOR)

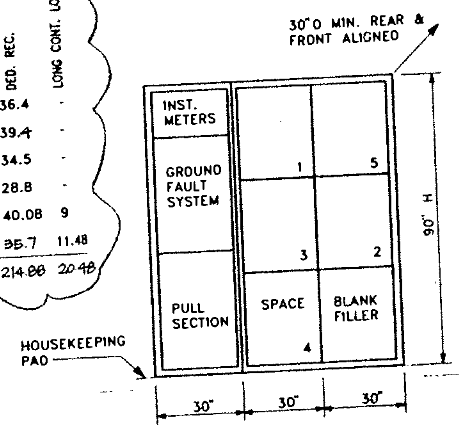
⚠2 * INCLUDES 1.25% LIGHTING LOAD
** INCLUDE 25% LARGEST MOTOR

NOTE: SWBD. SHALL BE GENERAL ELECTRIC AV-5 LINE WITH HIGH PRESSURE CONTACT SWITCHES WITH NEMA CLASS L FUSES, WITH "GROUND BREAK" RELAYS.

DIST PANEL "2ELDP" SCHEDULE
600A, 120/208V, 3ø, 4W AIC: 22,000 MAIN: MLO GROUND BUS

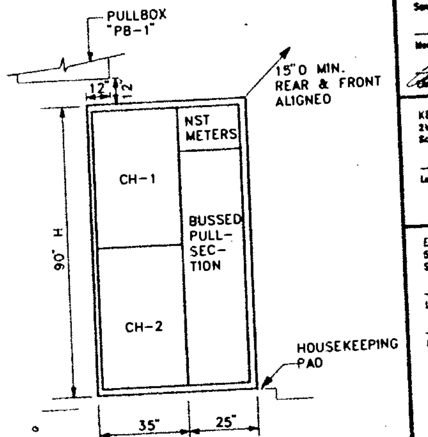
CIRCUIT NO.	DESIGNATION	LOAD	CIRCUIT BREAKER AMPERE FRAME-3P	CIRCUIT BREAKER AMPERE TRIP-3P	FEEDER	REMARKS	KVA GEN. CONV. REC.	KVA DED. REC.	KVA LONG CONT. LOAD
1	PANEL - 2ELA	115A	225	175	4 #2/0, 1 #6G-2"C	WITH SHUNT TRIP ON CB	5.0	36.4	-
2	PANEL - 2ELB	119A	225	175	4 #2/0, 1 #6G-2"C		3.5	39.4	-
3	PANEL - 2ELC	116A	225	175	4 #2/0, 1 #6G-2"C		7.2	34.5	-
4	PANEL - 2ELD	100A	225	150	4 #1/0, 1 #6G-2"C		7.0	28.8	-
5	PANEL - 2ELE	142A	225	150	4 #1/0, 1 #6G-2"C		2.8	40.08	9
6	PANEL - 2ELF	155A	225	225	4 #4/0, 1 #4G -2" 1/2"C		5.6	35.7	11.48
7	SPACE - 100AF ⚠2		-			TOTAL	31.1	214.88	20.48
8	SPACE - 100AF								
9	SPACE - 100AF								
10	SPACE - 100AF								

⚠2 DEMAND LOAD = 10 KVA X 1.0 + (31.10-10) X .50 + 214.88 + 20.48 X 1.25
= 261.03 KVA (725A)



ELEVATION

SWITCHBOARD "MSB-1"
N.T.S.



ELEVATION

SWITCHBOARD "MSB-2"
N.T.S.

DISTRIBUTION PANEL "1LDP" SCHEDULE
800A 120/208V, 3ø, 4W AIC: 22,000A MAIN: 800A GROUND BUS

CIRCUIT NO.	DESIGNATION	LOAD	CIRCUIT BREAKER AMPERE FRAME-3P	CIRCUIT BREAKER AMPERE TRIP-3P	FEEDER	REMARKS	KVA GEN. CONV. REC.	KVA DED. REC.	KVA LONG CONT. LOAD
1	PANEL - 1LA	24A	100	70	4#4,1#8G-1 1/2"C	WITH SHUNT TRIP ON CB	1.98	1.4	4.61
2	PANEL - 1LB	141A	225	200	4#3/0,1#6G-2 1/2"C		14.2	36.5	-
3	PANEL - 1LC	85A	225	150	4#3/0,1#6G-2"C		7.8	22.8	-
4	PANEL - 1LD	177A	225	225	4#4/0,1#4G-2 1/2"C		5.90	57.6	1.8
5	PANEL - 1LE	22A	100	70	4#2,1#8G-1 1/2"C	WITH SHUNT TRIP ON CB	6.3	0.4	.80
6	PANEL - 1LF	93A	100	100	4#1,1#8G-2"C		6.4	24.7	1.8
7	PANEL - 2LA1	66A	225	150	4#4/0,1#6G-2 1/2"C		19.98	2.6	1.0
8	PANEL - 1LA1	26A	100	70	4#4,1#8G-1 1/4"C			5.1	3.49
9	SPACE - 225AF ⚠2					TOTAL	62.62	151.1	15.28
10	SPACE - 225AF								
11	SPACE - 100AF								
12	SPACE - 100AF								

NOTES: 1. SET MAIN CB SENSOR TRIP TO 0.90 TAP.
2. PANEL SHALL BE FLOOR MOUNTED, GENERAL ELECTRIC AV-1 LINE.

⚠2 DEMAND LOAD = LCL X 1.25 + 100% DED. REC. + (1ST 10KVA @ 100% + 50% REMAINDER) ... X .501 = 204.01 KVA

DIST PANEL "1ELDP" SCHEDULE
1800A, 120/208V, 3ø, 4W AIC: 22,000A MAIN: 1800A CB GROUND BUS

CIRCUIT NO.	DESIGNATION	LOAD	CIRCUIT BREAKER AMPERE FRAME-3P	CIRCUIT BREAKER AMPERE TRIP-3P	FEEDER	REMARKS	KVA GEN. CONV. REC.	KVA DED. REC.	KVA LONG CONT. LOAD
1	PANEL 1ELA	161A	225	225	4 #4/0, 1 #4G - 2 1/2"C	WITH SHUNT TRIP ON CB	2.6	44.35*	-
2	PANEL 1ELB	151A	225	225	4 #4/0, 1 #4G - 2 1/2"C		3.0	51.40	2.0
3	SPARE		225	125					
4	PANEL 1ELD	89A	225	125	4 #1/0, 1 #6G-2"C		18.07	-	8.6
5	PANEL - 2ELDP	725A	800	750	(3) 4 #400MCM 1 #1/0G - 3"C ⚠2	WITH SHUNT TRIP ON CB	31.1	214.88	20.48
6	PANEL - 1ELE	15A	225	70	4 #4, 1 #6G - 1 1/4"C		2.16	3.2	
7	SPACE - 100AF ⚠2					TOTAL	56.93	313.83	31.08
8	SPACE - 100AF								
9	SPACE - 100AF								
10	SPACE - 100AF								

*=INCLUDES 80% DIVERSITY FACTOR ⚠2

NOTES: 1. SET MAIN CB SENSOR TRIP TO 0.80 TAP.
2. PANEL SHALL BE GENERAL ELECTRIC AV-2 LINE WITH GROUP MOUNTED DEVICES.

⚠2 DEMAND LOAD = 10×1.0 + (56.98 - 10) × 50% + 313.83 + 31.08 × 1.25
= 386.15 KVA (1072A)

DIST PANEL "3ELDP" SCHEDULE
800A, 120/208V, 3ø, 4W AIC: 22,000 MAIN: MLO GROUND BUS

CIRCUIT NO.	DESIGNATION	LOAD	CIRCUIT BREAKER AMPERE FRAME-3P	CIRCUIT BREAKER AMPERE TRIP-3P	FEEDER ⚠2	REMARKS	KVA GEN. CONV. REC.	KVA DED. REC.	KVA LONG CONT. LOAD
1	PANEL 3ELA	40A	225	100	4 #1/0, 1#8G-2"C	WITH SHUNT TRIP ON CB	9.8	3.6	.8
2	PANEL 3ELB	95A		150	4 #2/0, 1#6G-2"C		2.6	31.6	-
3	PANEL 3ELC	92A		150	4 #1/0, 1#6G-2"C		2.8	30.2	-
4	PANEL 3ELD	99A		150	4 #2/0, 1#6G-2"C		2.0	33.7	-
5	PANEL 3ELE	113A		150	4 #1/0, 1#6G-2"C		1.6	39.0	-
6	PANFL 3ELF	41A		100	4 #1, 1#8G-2"C	TOTAL	2.6	12.0	-
							21.4	150	.8
7	SPACE - 100AF ⚠2								
8	SPACE - 100AF								
9	SPACE - 100AF								
10	SPACE - 100AF								

⚠2 DEMAN LOAD = 10 X 1.0 + (22.2 - 10) X .50 + 149.5 + .8 X 1.25
= 166.60 KVA (463A)

NOTE TO ELECTRICAL PLAN CHECKER:
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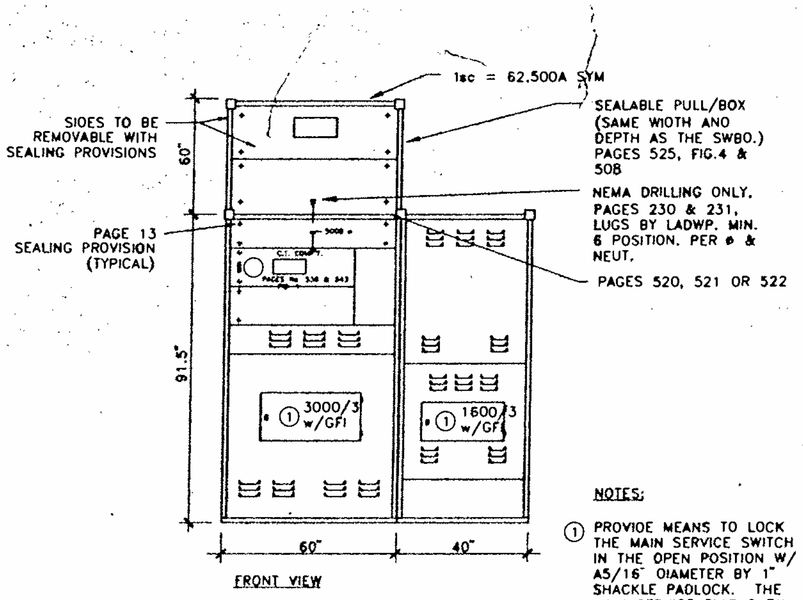
Revisions No.		Date
⚠1	ADDENDUM NO. 1 ISSUED FOR PLAN CHECK REVIEW	15 MAY 91
⚠2	PLAN CHECK REVISIONS / BULLETIN NO. 1	[illegible]

Regional Reference Laboratory
11668 Sherman Way
North Hollywood-Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

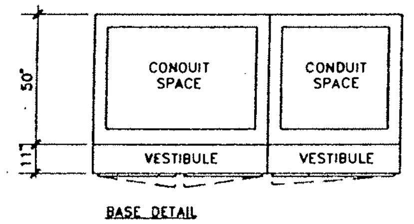
ELECT. EQUIPMENT SCHEDULES

Scale: NONE		
Project No. 19210.01	B1 BULLETIN	Drawing No. E6.1
Date 11 APR 1991		

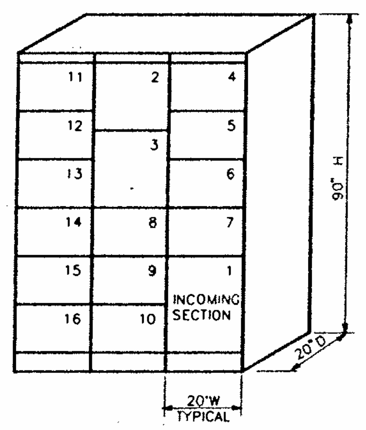


NOTES:

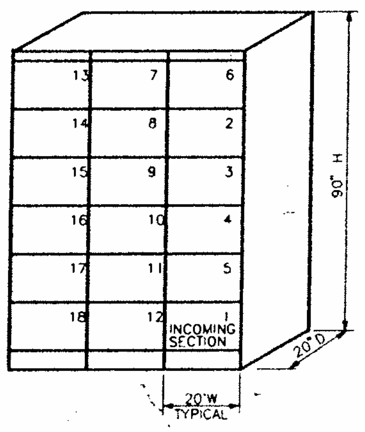
1. PROVIOE MEANS TO LOCK THE MAIN SERVICE SWITCH IN THE OPEN POSITION W/ A5/16" OIAMETER BY 1" SHACKLE PAOLOCK. THE MAIN SERVICE SWITHC PNL. SHALL NOT BE REMOVABLE W/ THE SWITCH PAOLOCKED OPEN.
2. ALL SWTICHES BOTTOM OUTGOING BUS TO BE BARRIEREO.
3. REFERENCE TO "PAGE NUMBERS" ON THIS OETAIL IS PER LA OWP SPECS.



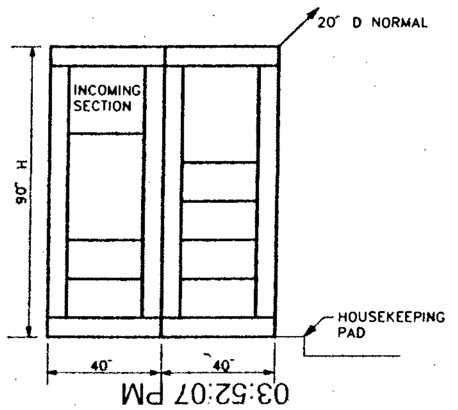
MAIN SERVICE EQUIPMENT
N.T.S.



REMCC ELEVATION
N.T.S.



1EMCC ELEVATION
N.T.S.



SWBD MEDP ELEVATION
N.T.S.

MOTOR CONTROL CENTER "1EMCC" SCHEDULE
600A, 480V, 3ø, 3W + GROUNO BUS, 42 KAIC

UNIT NO.	OESIGNATION	HP	COMB. STARTER STARTER	COMB. STARTER BREAKER	CONTROL TYPE	BRANCH CIRCUIT	REMARKS	FLA
1	INCOMING SECTION							
2	PUMP P-1	7.5	1	15A MCP	HOA	3 #12, 1 #12G - 3/4" C		11
3	PUMP P-2	7.5	1	15A MCP	HOA	3 #12, 1 #12G - 3/4" C		11
4	PUMP P-3	7.5	1	15A MCP	HOA	3 #12, 1 #12G - 3/4" C	STANDBY SEE (2)	11
5	COOLING TOWER CT-2A	20	2	50A MCP	HOA	3 #8, 1 #10G - 1" C	(2) △2	27
6	COOLING TOWER CT-2B	5	1	15A MCP	HOA	3 #12, 1 #12G - 3/4" C	SEE (2)	7.6
7	SPACE △2		–					
8	SPACE		–					
9	SPACE		–					
10	SPACE		–					
11	COOLING TOWER 1 CT-1A	20	2	50A MCP	HOA	3 #8, 1 #10G - 1" C	(2) △2	27
12	COOLING TOWER 1 CT-1B	5	1	15A MCP	HOA	3 #12, 1 #12G - 3/4" C	SEE (2)	7.6
13	PUMP P-10	20	2	50A MCP	HOA	3 #8, 1 #10G - 1" C		27
14	PUMP P-11	20	2	50A MCP	HOA	3 #8, 1 #10G - 1" C		27
15	PUMP P-12	20	2	50A MCP	HOA	3 #8, 1 #10G - 1" C	STAND BY (1)	27
16	SPACE							
17	SPACE							
18	SPACE							

U.O.N. UNITS ARE 3 POLES — TOTAL FLA = 130A
△2 OEMAND LOAO = 1.25 X 27 + 100% OTHER LOAD = 137A

MOTOR CONTROL CENTER "REMCC" SCHEDULE
600A, 480, 3ø, 3W + GROUNO BUS, 42KAIC

UNIT NO.	OESIGNATION	HP	COMB. STARTER STARTER	COMB. STARTER BREAKER	CONTROL TYPE	BRANCH CIRCUIT	REMARKS	FLA
1	INCOMING					△1		
2	EXH. FAN E-1	40	3	100A MCP	HOA	3 #2, 1 #8G - 1-1/2" C		52
3	EXH. FAN E-2	40	3	100A MCP	HOA	3 #2, 1 #8G - 1-1/2" C		52
4	EXH. FAN E-4	5	1	15A MCP	HOA	3 #12, 1 #12G - 3/4" C		4.8
5	COMPR. #1 & 2	(2) 3 △2	–	15 A	△2 –		CB ONLY	(2) 5.6 △2
6	COMPR. #4	1	–	15 A	–			1.8
7	COMPR. #3	5	–	20 A	–			7.6
8	COMPR. #5 & 6	(2) 2	–	15 A	△2 –	△1		(2) 3.5
9	COMPR. #7,8 & 9	(3) 2	–	15 A	–	3#8, 1#10G - 3/4" C		(3) 3.5
10	EXH. FAN E-11	7.5	1	15 MCP	H.O.A	3#12, 1# 12G - 3/4"C		11 △3
11	SPACE							
12								
13								
14								
15								
16								
17								
18								

U.O.N. UNITS ARE 3 POLES — TOTAL FLA = 141A
MIN. FEEOER SIZE = 1.25 X 52 ± 100% OTHER LOAO = 154A

POWER PANEL "1EHPP" SCHEDULE
480V, 3ø, 3W, 800A AIC: 50,000 MAIN: MLO GROUNO BUS

CIRCUIT NO.	DESIGNATION	CIRCUIT BREAKER AMPERE FRAME-3P	CIRCUIT BREAKER AMPERE TRIP-3P	FEEOER	REMARKS	
1	MCC 1EMCC	225	225	3 #4/0, 1 #4G - 2-1/2" C	SEE (3)	130A
2	PUMP P-6	100	20	3 #12, 1 #12G - 3/4" C	7.5 HP FLA=10A	10A
3	PUMP P-7		20		7.5 HP FLA=10A STANDBY (1)	
4	PUMP P-8		15		3 HP	5A
5	PUMP P-9		15		3 HP. STANOBY (1)	
6	SPACE					△2
7	MCC REMCC	400	250	3 #250MCM, 1 #4G - 2 1/2" C	FLA=143A	143A
8	DEIONIZED CIRC. PUMP CONTROL PANEL DCP-1	100	15	3 #12, 1 #12G - 3/4" C	(2) 1/2HP. ONE STANDBY UNIT	1A
9	DEIONIZED PUMP CONT. PANEL DP-1	100	20	3 #12, 1 #12G - 3/4" C	(2) 7-1/2HP. ONE STANDBY UNIT	12A
10	REVERSE OSMOSIS UNIT	100	15	3 #12, 1 #12G - 3/4" C	3 HP	5A
11	SPACE					
12	SAN. SEW. PUMPS SP-1/2	100	20	3 #12, 1 #12G - 3/4" C	3 HP	5A
13	STORM DRAIN PUMP #1	100	30	3 #10, 1 #10G	10 HP	15A
14	STORM DRAIN PUMP #2				10 HP	15A
15	STORM ORAIN PUMP #3				10 HP	15A
16						

OEMANO LOAO = 100% LOAO + 25% LARGEST MOTOR
= 356A + 25% X 52A
= 369A — TOTAL FLA = 356A △2

DIST PANEL "UPS-DP" SCHEDULE
400A, 120/208V, 3ø, 4W, AIC: 22,000 MAIN: 350A GROUND BUS

CIRCUIT NO.	DESIGNATION	CIRCUIT BREAKER AMPERE FRAME-3P	CIRCUIT BREAKER AMPERE TRIP-3P	FEEDER	REMARKS	
1	PANEL - 1UPS	225	150	4#1/0, 1#6G-2" C	WITH SHUNT TRIP ON CB	51A △2
2	SPACE - 100AF					
3	SPACE - 100AF					
4	SPACE - 100AF					
5	SPACE - 100AF					
6	SPACE - 100AF					

51A △2

△1

POWER PANEL "1HPP" SCHEDULE
800A 480V, 3ø, 3W AIC: 25,000 MAIN: MLO GROUNO BUS

CIRCUIT NO.	DESIGNATION	CIRCUIT BREAKER AMPERE FRAME-3P	CIRCUIT BREAKER AMPERE TRIP-3P	FEEDER	REMARKS
1	PUMP P-15	100	50	3#10, 1#10G-3/4"C	15 HP (21A)
2	PUMP P-16	100	50	3#10, 1#10G-3/4"C	15 HP (21A)
3	PUMP P-17	100	–	1-1"C & 1/2"C SPARES	FUTURE – 15 HP
4	BOILER NO:1	100	15	3#12, 1#12G-3/4"C	5 HP (7.6A)
5	BOILER NO:2	100	15	3#12, 1#12G-3/4"C	5 HP (7.6A)
6	BOILER NO:3	–	–		FUTURE
7	PANEL 1HPPA	600	600	(2) 3 #350 MCM, 1 #1G-3"C	(360A)
8	PUMP P-13	–	–	1-1/4"C & 1/2"C SPARES	FUTURE, CH-3, 40 HP
9	PUMP P-14	–	–	1-1/4"C & 1/2"C SPARES	FUTURE, CH-3, 40 HP (54A)
10	PUMP P-4	–	–	1-1"C & 1/2"C SPARES	FUTURE (15 HP)
11	PUMP P-5	–	–	1-1"C & 1/2"C SPARES	FUTURE (STANDBY (1))
12	COOLING TOWER CT-3	–	–	1-1"C & 1/2"C SPARES	FUTURE 20 HP, 5 HP (2)
13	COOLING TOWER CT-3	–	–	1-1"C & 1/2"C SPARES	FUTURE 20 HP, 5 HP (2)
14	COOLING TOWER CT-4	–	–	1-1"C & 1/2"C SPARES	FUTURE 20 HP, 5 HP (2)
15	COOLING TOWER CT-4	–	–	1-1"C & 1/2"C SPARES	FUTURE 20 HP, 5 HP (2)
16	SPACE				
17	SPACE			(PRESENT)	TOTAL FLA =417A
18	SPACE				
19	SPACE			EST. TOTAL (FUTURE)	=665A
20	SPACE				

△2 OEMAND LOAO = 1.25 X 124 + 100% OTHER LOAO = 155 + (417 - 124)
= 448A △1

△1

POWER PANEL "1HPPA" SCHEDULE
600A 480V, 3ø, 3W AIC: 25,000 MAIN: MLO GROUND BUS

CIRCUIT NO.	DESIGNATION	CIRCUIT BREAKER AMPERE FRAME-3P	CIRCUIT BREAKER AMPERE TRIP-3P	△1 FEEOER	REMARKS	△2 LOAD
1	EXHAUST FAN E-3	225	125	3 #2, 1 #6G - 1 1/2" C	40 HP (52A)	52A
2	SUPPLY FAN S-2	400	300	3 #2/0, 1 #4G - 2" C	100 HP (124A)	124A
3	DUPLEX AIR COMPRESSOR CONTROL PANEL AC-1/2	100	50	3 #8, 1 #10G - 3/4" C	2-15 HP; ONE STANDBY UNIT	21A
4	DUPLEX VACUUM PUMP CONTROL PANEL VP-1/2	100	15	3 #12, 1 #12G -3/4" C	2-5HP, ONE STANDBY UNIT	8A
5	FREIGHT ELEV. #1	100	100	3#4, 1#8G-1 1/4"C	30 HP (40A) (4)	40A
6	FREIGHT ELEV. #2	100	100	3#4, 1#8G-1 1/4"C	30 HP (40A) (4)	40A
7	PASSENGER ELEV. #1	100	70	3 #6, 1 #8G-1"C	25 HP (34A) (4)	34A
8	PASSENGER ELEV. #2	–	–	SPARE - 1"C	FUTURE-25 HP	
9	SPACE					
10	BIO HAZARD CTR. PNL.	100	50	3 #6, 1 #10G-1"C	30 A	30A
11	TRASH COMPACTOR	100	30	3#10, 1#12G-3/4"C	7 1/2 HP	11A
12	TRASH COMPACTOR	–	–	1 1/2"C SPARE	–	
13	SPACE			TOTAL FLA	= 360A	
14	SPACE					

△2 DEMAND LOAD = 1.25 X 124 + 100% OTHER LOAD = 155 + (360 - 124) = 391A △1

SHEET NOTES:

1. STAND BY UNIT TO OPERATE ONLY IN EVENT ONE EQUIPMENT IS OUT OF SERVICE.
2. ENERGY-MISER COOLING TOWER CONCEPT. ONLY ONE OF TWO MOTOR TO OPERATE AT A TIME; LOAD IS BASED ON LARGEST MOTOR.
3. PROVIDE CIRCUIT BREAKER WITH SHUNT TRIP DEVICE.
4. PRIOR TO INSTALLATION, VERIFY FINAL HP RATING WITH ELEVATOR EQUIPMENT SUPPLIER. IN EVENT HP SIZE OIFFERS FROM ABOVE, CONSULT THE ENGINEER.

△2

1

4561; 9-7-91 E6.2; JW

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Revisions

No.		Date
△1	ADDENDUM NO. 1 ISSUED FOR PLAN CHECK REVIEW	15 MAY 91
△2	PLAN CHECK REVISIONS / BULLETIN NO. 1	30SEP91 11NOV91
△3	BULLETIN No.2	

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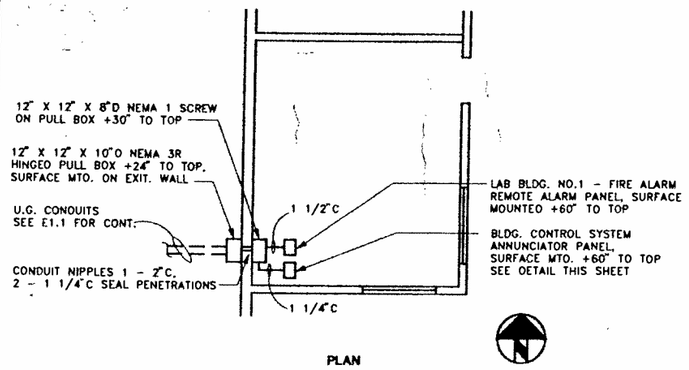
Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

ELECT. EQUIPMENT SCHEDULES

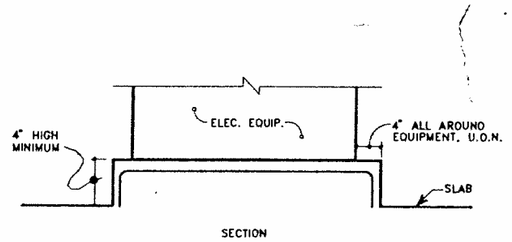
Scale: NONE

Project No. 19210.01 | B2 BULLETIN | Drawing No. E6.2
Date 24 JAN 1992



7 EXISTING BLDG. - SECURITY OFFICE

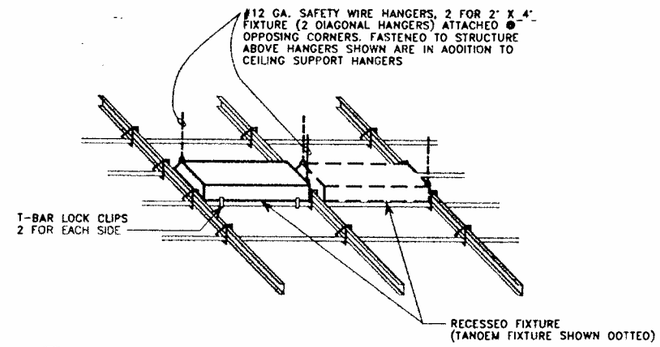
SCALE: 1/4" = 1'-0"



NOTE: PROVIDE FOR FLOOR MOUNTED TRANSFORMERS, SWITCHBOARD, MCC AND DIST. PANELS. SEE. DETAILS ON STRUCTRURAL DRAWINGS

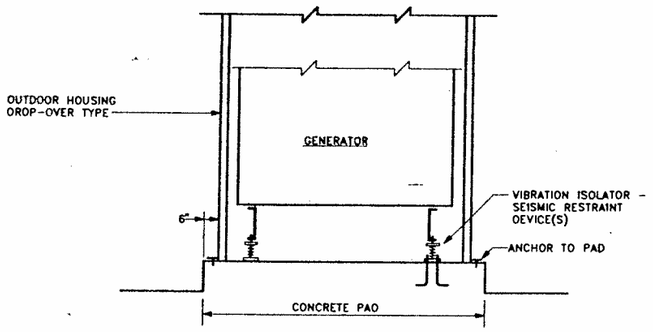
4 HOUSEKEEPING PAD DETAIL

NOT TO SCALE



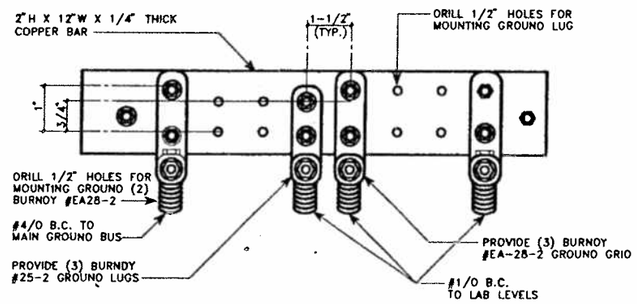
1 LAY-IN FLUORESCENT INSTALLATION DETAIL

NOT TO SCALE



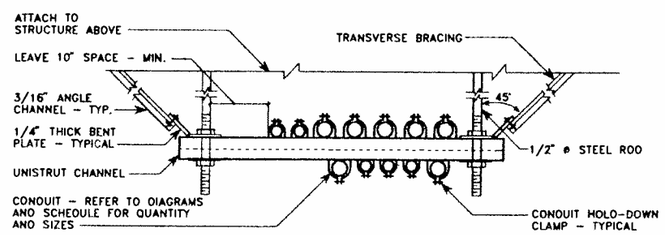
8 ENGINE-GENERATOR DETAIL

SCALE: 1/2" = 1'-0"



5 MAIN INSTRUMENT GROUND TERMINAL BAR

NOT TO SCALE



NOTES:

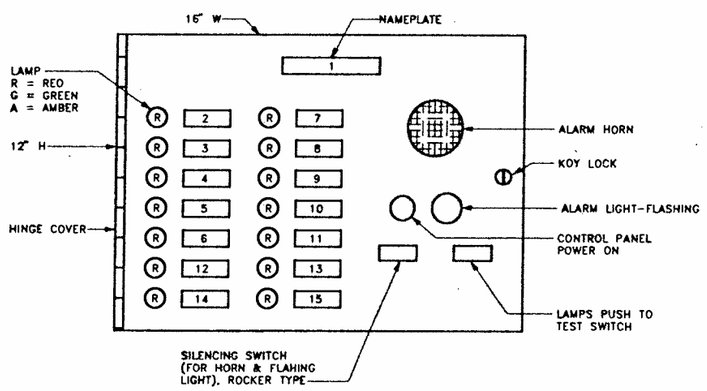
1. PROVIDE LONGITUDINAL BRACING SIMILAR TO TRANSVERSE BRACING.
2. MOUNTING FOR SUSPENDED BUSDUCT SHALL BE SIMILAR TO THIS DETAIL.

2 SUSPENDED CONDUIT DETAIL

NOT TO SCALE

NAMEPLATE SCHEDULE

1. BLDG. CONTROL SYSTEMS.
2. LAB BLDG. NO.1 HVAC
3. LAB BLDG. NO.2 HVAC (SEE NOTE 1).
4. ATS - UTILITY POWER.
5. ATS - GENERATOR POWER.
6. GEN. NO.1 START BATTERIES.
7. GEN. NO.2 START BATTERIES (SEE NOTE 1).
8. ENGINE - GEN NO.1 ALARM.
9. ENGIN - GEN NO.2 ALARM (SEE NOTE 1).
10. FUEL TANK NO.1 - LOW.
11. FUEL TANK NO.2 - LOW (SEE NOTE 1).
12. STORM DRAIN PUMP STATION
13. UPS ALARM.
14. SPARE.
15. SPARE.

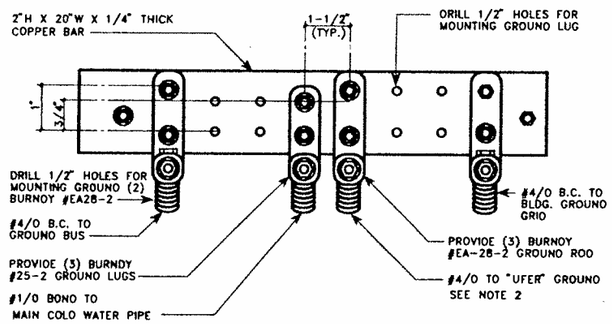


NOTES: 1. FOR FUTURE. NEXT TO NAMETE DESIGNATION STICK ON A DYMO LABEL "FUTURE".

2. PANEL SHALL BE SIMILAR TO WSA MODEL FAA SERIES (FALLS CHURCH, VIRGINIA WITH BACK LIT CLEAR LENS PANEL, ALUMINUM DOOR FRAM, SURFACE MOUNTED, BEIGE FINISH, PANEL TO BE BLACK BACKGROUND COLOR.

6 BLDG CONTROL SYSTEM ANNUN. PANEL

NOT TO SCALE



NOTES:

1. LOCATED IN MAIN ELECTRICAL ROOM, GROUND LEVEL.
2. INSTALL 30 FT. OF #4/0 BARE COPPER WIRE IN THE SLAB. BOND THIS WIRE TO SLAB REBARE.
3. PROVIDE 1 #4/0 G - 1 1/4" C TO SWBD. MSB-1.
4. PROVIDE 1 #4/0 G - 1 1/4" C TO SWBD. MSB-2
5. PROVIDE 1 #1/0 G - 1" C TO MAIN TEL. GROUND BAR.

3 GROUND BUS MOUNTING DETAIL

NOT TO SCALE

03:51:54 PM

000817

4561; 3-27-91; E7.1; JW

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Revisions

No.		Date
1	PLAN CHECK REVISIONS / BULLETIN NO. 1	11NOV91

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Kaiser Permanente Medical Care Program
Southern California Region

DETAILS

Scale: NONE

Project No. 19210.01

Date 11 APR 1991

BULLETIN

Drawing No. E7.1

1300-11

PLUMBING EQUIPMENT SCHEDULE

TAG	ITEM	REMARKS
FD-1	FLOOR DRAIN	TOILET ROOMS, ADJUSTABLE STRAINER
FD-2	FLOOR DRAIN	MECH. ROOM, RECESSED STRAINER WITH FUNNEL
FD-3	FLOOR DRAIN	GROUND FLOOR LAB
FD-4	FLOOR DRAIN	LAB EPOXY COATED
FD-5	FLOOR DRAIN	GROUND FLOOR WITH FUNNEL
FD-6	FLOOR DRAIN	EPOXY COATED, WITH FUNNEL
FD-7	FLOOR DRAIN	GROUND FLOOR, MECH ROOM
FSK-1	FLOOR SINK	NO GRATE
FSK-2	FLOOR SINK	HALF GRATE
RD-1	ROOF DRAIN	DOME STRAINER, SUMP RECEIVER, DECK CLAMP, AND EXTENSION
RD-2	ROOF DRAIN	SAME RD-1, EXCEPT 8" DIAMETER
OFD	OVERFLOW DRAIN	DOME STRAINER, SUMP RECEIVER, DECK CLAMP, AND COLLAR DAM.
AD-1	AREA DRAIN	AREAWAY
WH-1	DOMESTIC WATER HEATER	POWER GAS, STORAGE TYPE, 125 GALS, 140 CFH, 1/4 HP, 120V-1PHASE, 5" FLUE
WH-2A WH-2B	INDUSTRIAL WATER HEATER	POWER GAS, STORAGE TYPE, 125 GALS, 270 CFH, 1/4 HP, 120V-1 PHASE, 6" FLUE
CP-1	CIRCULATING PUMP	DOMESTIC HOT WATER, 1/12 HP, 120V-1 PHASE
CP-2 CP-3	CIRCULATING PUMP	INDUSTRIAL HOT WATER, 1/6 HP, 120V-1 PHASE
AC-1 AC-2	AIR COMPRESSOR	DUPLEX RECEIVER MOUNTED 460V-3 PHASE, 15 HP EACH
D-1	AIR DRIER	TWIN TOWER, DESSICANT TYPE, 120V-1 PHASE
VP-1 VP-2	VACUUM PUMP	DUPLEX RECEIVER MOUNTED, 460V-3 PHASE, 5HP EACH
WS-1	WATER SOFTENER	DUPLEX, 5' WIDE X 11'-6" SPACE, 120V-1 PHASE
RO	REVERSE OSMOSIS UNIT	460V-3 PHASE, 3HP
DP-1	DEIONIZED PUMP	DUPLEX, 460V-3 PHASE, 7-1/2 HP EA.
DCP-1 DCP-2	DEIONIZED CIRC PUMP	460V-3PHASE, 1/2 HP EA.
FOP-1	FUEL OIL PUMP	SUBMERSIBLE IN TANK, 208V-1 PHASE, 1/3 HP
SP-1 SP-2	SANITARY SEWAGE PUMP	WET PIT, DUPLEX COLUMN TYPE, 460V-3 PHASE, 3HP. GRD FLOOR TOILET
SP-3 SP-4	SANITARY SEWAGE PUMP	SUBMERSIBLE TYPE, 460V-3 PHASE, 1HP. MECH ROOMS
SP-5 SP-6	LAB WASTE SEWAGE PUMP	SUBMERSIBLE TYPE, STAINLESS STEEL 208V-1 PHASE, 2.5 HP, EQUIPMENT YARD
SP-7A SP-7B	STORM DRAIN SUMP PUMP	SUBMERSIBLE TYPE 208V-1 PHASE, 3/4 HP, AREAWAY 2 3
GPRV-1	GAS PRESSURE REGULATOR	3 PSIG INLET, 7" W.C. OUTLET PRESSURE, 144 CFH FLOW 1
GPRV-2	GAS PRESSURE REGULATOR	3 PSIG INLET, 14" W.C. OUTLET PRESSURE, 680 CFH FLOW
BFP-1	BACKFLOW PREVENTER	REDUCED-PRESSURE PRINCIPLE DEVICE, SIZE AS SHOWN.
3 2 BFP-2	BACKFLOW PREVENTER	DOUBLE CHECK VALVE ASSEMBLY, SIZE AS SHOWN.

PLUMBING FIXTURE SCHEDULE

TAG	ITEM	SS	V	HW	CW	REMARKS
P-1	WATER CLOSET	4	2	--	1	A/S #2257.103 WALL HUNG 3
P-2	WATER CLOSET	4	2	--	1	A/S #2257.103 HANDICAP
P-3	URINAL	2	1-1/2	--	1	FLUSH VALVE WALL HUNG
P-4	URINAL	2	1-1/2	--	1	HANDICAP
P-5	LAVATORY	1-1/2	1-1/2	1/2	1/2	COUNTER MOUNT
P-6	LAVATORY	1-1/2	1-1/2	1/2	1/2	COUNTER MOUNT HANDICAP
P-7	SERVICE SINK	3	2	1/2	1/2	24 X 24, FLOOR
P-8	SHOWER	2	1-1/2	1/2	1/2	
P-9	OFFICE SINK	2	1-1/2	1/2	1/2	CONVENTIONAL
P-10	VENDING SINK	2	1-1/2	1/2	1/2	2 BOWLS DISPOSAL, DISPENSER
P-11	PANTRY SINK	2	1-1/2	1/2	1/2	DISPOSAL
P-12	ELECTRIC WATER COOLER	1-1/2	1-1/2	--	1/2	120V, 1 PHASE 1/4 HP
ES	EMERGENCY SHOWER	--	--	--	1	

NOTES:

1. ALL PLUMBING FIXTURES SHALL HAVE FLOW RATES WITH THE FOLLOWING MAXIMUM RATES:

WATER CLOSET	1.6 GALS PER FLUSH
URINAL	1.0 GALS PER FLUSH
LAVATORY	1.5 GALS PER MINUTE
SHOWER	2.75 GALS PER MINUTE
SINK	2.75 GALS PER MINUTE

2. ALL FAUCETS AND SHOWERHEADS SHALL BE USTED WITH THE CALIFORNIA ENERGY COMMISSION. COMPLY WITH LOS ANGELES COUNTY WATER CONSERVATION ORDINANCES.
3. SEE LAB PLUMBING DRAWINGS FOR EMERGENCY SHOWER LOCATIONS. THIS SECTION INSTALLS EMERGENCY SHOWERS FURNISHED BY LAB SECTION OF WORK.
4. THIS SECTION ROUGHS-IN FOR LAB EQUIPMENT AND LAB PLUMBING FIXTURES. SEE LAB PLUMBING DWGS FOR LAYOUT.

LAB UTILITY SCHEDULE

	A	G	VAC	DE	IHW	ICW	CW	LV	CO_2	REMARK
A	1/2"	1"	1"	3/4"	3/4"	3/4"	3/4"	2"	--	
B	1/2"	1"	1"	3/4"	3/4"	3/4"	3/4"	2"	1/4"	
C	1/2"	1"	1"	3/4"	3/4"	3/4"	3/4" 1-1/4"	2"	--	NOTE 1
D	1/2"	1"	1"	3/4"	3/4"	3/4"	3/4" 1-1/4"	2"	1/4"	NOTE 1
E	1/2"	1"	1"	3/4"	3/4"	3/4"	3/4" 1-1/4"	2"	1/2"	NOTE 1 SG1 SG4
F	1/2"	1"	1"	3/4"	1"	1"	3/4" 1-1/4"	2"	--	NOTE 1
G	3/4"	1"	1"	3/4"	1-1/2"	1-1/2"	3/4" 1-1/4"	2"	--	NOTE 1
H	--	1"	1-1/4"	--	--	--	--	--	--	
I	1/2"	1"	1"	3/4"	3/4"	3/4"	3/4"	2"	1/4"	SG3 SG4
J	--	--	1"	--	--	--	--	--	--	N2,SG2,SG5
K	1/2"	--	--	--	-- 1	--	--	--	1/4"	
L	3/4"	1"	1-1/2"	NOTE 2	2"	1-1/2"	1-1/4"	3"	--	
M	3/4"	1"	1-1/2"	NOTE 2	1-1/2"	1-1/2"	1-1/4"	3"	1/2"	
N	3/4"	1"	1-1/2"	NOTE 2	1-1/2"	1-1/2"	1-1/4"	3"	1/2"	SG1 SG4
O	3/4"	1"	1-1/2"	NOTE 2	1-1/2"	1-1/2"	1-1/4"	3"	3/4"	N2 SG2 SG3,SG4,SG5
P	1-1/4"	1-1/4"	2	NOTE 2	2"	2-1/2"	1-1/2"	--	1"	SPECIAL GASES
Q	1-1/4"	1-1/4"	2	NOTE 2	2"	2-1/2"	1-1/2"	--	3/4"	SPECIAL GASES

NOTES:

1. 1-1/4" CW STUB-OUT WITH NO VALVE. FOR ES CONNECTION.
2. FOR DE AND DER SIZES, SEE NOTATION ON PLANS.

LEGEND & ABBREVIATIONS

HB	HOSE BIBB	SS(W)	SANITARY SEWER OR WASTE BELOW GRADE
	CAPPED PIPING FOR FUTURE	SS(W)	SANITARY SEWER OR WASTE ABOVE FLOOR
BFP	BACKFLOW PREVENTER	LW	LAB WASTE PIPING
	EQUIPMENT DESIGNATION	V	VENT PIPING
	SHEET NOTE DESIGNATION	LV	LAB VENT PIPING
CFH	CUBIC FEET PER HOUR	DSW	DUMP SINK WASTE PIPING
CONN	CONNECTION	RWL	RAINWATER LEADER PIPING
CONT	CONTINUATION	CBW	COMBUSTIBLE WASTE PIPING
DN	DOWN	FW	FLAMMABLE WASTE PIPING
FF	FINISHED FLOOR ELEVATION	SD	STORM DRAINAGE PIPING
GPM	GALLONS PER MINUTE	SP	SPRINKLER SUPPLY PIPING
HGV	HOSE GATE VALVE	OFD	OVERFLOW DRAIN PIPING
IE	INVERT ELEVATION	F	FIRE WATER SUPPLY PIPING
MH	MANHOLE	HA	HALON PIPING SYSTEM
NTS	NOT TO SCALE	PF	PREACTION WATER SUPPLY MAIN
PSI	POUNDS PER SQUARE INCH (GAUGE)	CW	COLD WATER PIPING
RE	RIM ELEVATION	HW	DOMESTIC HOT WATER PIPING
SF	SQUARE FEET	HWC	HOT WATER CIRCULATING PIPING
SA	SHOCK ABSORBER	ICW	INDUSTRIAL COLD WATER PIPING
TP	TRAP PRIMER	IHW	INDUSTRIAL HOT WATER PIPING
TYP	TYPICAL	IHWC	INDUSTRIAL HOT WATER CIRCULATING PIPING
UG	UNDERGROUND	SCW	SOFT COLD WATER PIPING
VTR	VENT TO ROOF	ISCW	INDUSTRIAL SOFT COLD WATER PIPING
EWC	ELECTRIC WATER COOLER	RO	REVERSE OSMOSIS WATER PIPING
LV	LAVATORY	DE	DEIONIZED WATER PIPING
SH	SHOWER	DER	DEIONIZED WATER RETURN PIPING
SK	SINK	G	GAS PIPING
SSK	SERVICE SINK	MG	MEDIUM PRESSURE GAS PIPING
UR	URINAL	A	COMPRESSED AIR PIPING
WC	WATER CLOSET	CO_2	CARBON DIOXIDE PIPING
ES	EMERGENCY SHOWER	VAC	VACUUM PIPING
EW	EYEWASH UNIT	O_2	OXYGEN
LAB	LABORATORY	N_2	NITROGEN
GALS	GALLONS	HE	HELIUM
1 CSK	CUP SINK	CH4	METHANE
		SG1	SPECIAL GAS #1(2, 3, 4, & 5)
		FOS	FUEL OIL SUPPLY
		FOR	FUEL OIL RETURN
		BV(GV)	BALL VALVE (or GATE VALVE)
		(G)PRV	(GAS) PRESSURE REDUCING VALVE
		PTRV	PRESSURE-TEMPERATURE RELIEF VALVE
			CHECK VALVE
			BALANCING VALVE
			PIPE ANCHOR
		FD(RD)	FLOOR DRAIN(ROOF DRAIN)
		FSK	FLOOR SINK
		FCO(GCO)	FLOOR CLEANOUT(GRADE CLEANOUT)
		LFCO(LGCO)	LAB WASTE CLEANOUT
		WCO(CO)	WALL CLEANOUT (CLEANOUT)

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1 EQUIPMENT MANUFACTURERS AND MODEL NUMBERS ARE LISTED ON THE DRAWINGS AT THE REQUEST OF THE CITY OF LOS ANGELES DEPARTMENT OF BUILDING AND SAFETY. THE SPECIFIED EQUIPMENT SHALL BE ADHERED TO AS NORMALLY NO SUBSTITUTION WILL BE ALLOWED BY THE LOS ANGELES MECHANICAL PLAN CHECKER. SHOULD THE CONTRACTOR WISH TO SUBSTITUTE A SPECIFIED ITEM, IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN PRIOR APPROVAL FROM THE LOS ANGELES MECHANICAL PLAN CHECK DIVISION BEFORE COMMENCING WORK.

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Revisions

No.		Date
1	ADDENDUM NO. 1	5-15-91
2	BLDG DEPT PLAN CHECK	10-2-91
3	BULLETIN NO. 1	11-11-91

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Sherman Way at Lankershim Boulevard
North Hollywood-Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

LEGEND & SCHEDULES

Scale: NONE

Project No. 19210.01

Date 11 APR 91

B1 BULLETIN

Drawing No. P0.1

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4561; 11-1-91; PO_1; SY; EL

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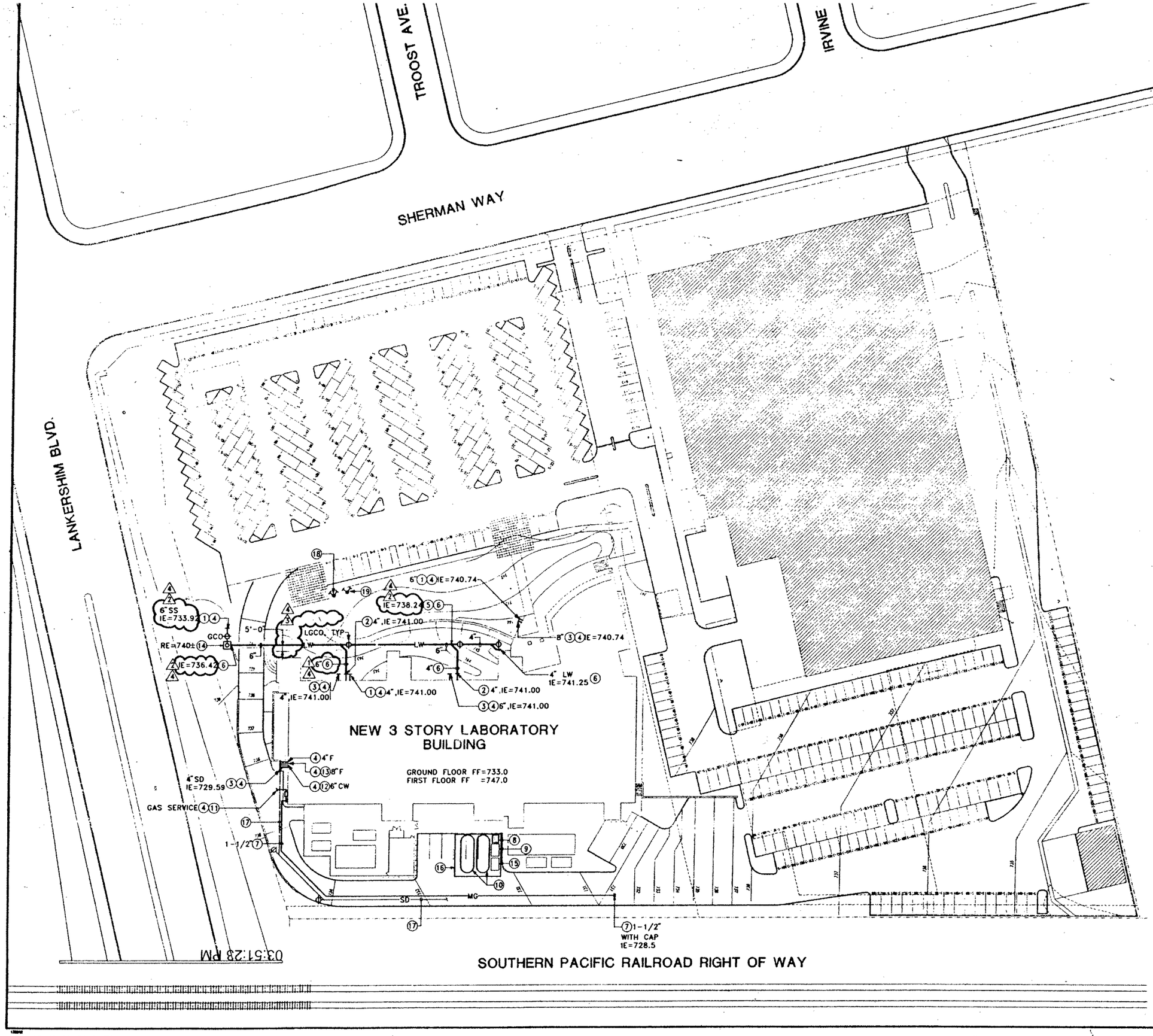

1. SANITARY SEWER STUB-OUT. MAKE FINAL CONNECTION. SIZE AND ELEVATION AS SHOWN.
2. LAB WASTE STUB-OUT. SIZE AND ELEVATION AS SHOWN.
3. STORM DRAINAGE(RWL) STUB-OUT. MAKE FINAL CONNECTION. SIZE AND ELEVATION AS SHOWN.
4. FOR CONTINUATION, SEE CIVIL ENGINEERING DWGS.
5. SLOPE PIPING AT 1%.
6. NEW PIPING UNDERGROUND.
7. GAS PIPING FOR FUTURE EXPANSION. CAPACITY OF 2,210 CFH AT 800 FT. RUN AND 3 PSIG.
8. DUMP SINK WASTE STORAGE TANK, UNDERGROUND, 500 GAL CAPACITY, 4' DIA. x6'.
9. FLAMMABLE WASTE STORAGE TANK, UNDERGROUND, 3,000 GAL CAPACITY, 8' DIA. x9'.
10. FUEL OIL STORAGE TANK, UNDERGROUND, 15,000 GAL CAPACITY, 10'DIA. x29'.
11. GAS LOAD SUMMARY

SPACE HEATING	24,000	CFH
WATER HEATING	1,360	CFH
LAB OUTLETS	288	CFH
TOTAL FLOW	25,648	CFH

SIZING BASED ON 3 PSIG PRESS.

12. WATER DEMAND:

DOMESTIC	342 FU
LAB USE	972 FU
	1,314 FU/255GPM
COOLING TOWER	75 GPM
TOTAL FLOW	330 GPM

13. FIRE SERVICE FLOW:

SPRINKLER	900 GPM
HOSE ALLOW	750 GPM
TOTAL FLOW	1,650 GPM

14. LAB WASTE MONITORING TANK. INSIDE CONCRETE SUMP, SEE DETAIL 7/P5.1. FLOOR OF SUMP AT ELEV. 731.33.
15. COMBUSTIBLE WASTE STORAGE TANK, UNDERGROUND, 3,000 GAL CAPACITY, 8' DIA. x9'.
16. CONCRETE SLAB OVER STORAGE TANKS, MIN. 35' W-Ex32' N-S, AND 8" THICK. SEE DETAILS ON P5.3.
17. STORM DRAIN SHOWN HERE FOR REFERENCE ONLY. SEE SITE UTILITY PLANS.
18. FIRE HYDRANT SHOWN HERE FOR REFERENCE ONLY. SEE CIVIL ENGINEER DWGS.
19. FIRE DEPT. INLET CONNECTION. SHOWN HERE FOR REFERENCE ONLY. SEE CIVIL ENGINEER DWGS.

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Revisions

No.		Date
1	INSTRUCTION BULLETIN NO. 1	7-22-91
2	IND WASTE REVIEW	8-26-91
3	BLDG DEPT PLAN CHECK	10-2-91
4	BULLETIN NO. 1	11-11-91

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood-Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

SITE PLAN

Scale: 30"=1'-0"

Project No.		Drawing No.
19210.01	B1 BULLETIN	P1.1
Date 11 APR 91		

4561; 10-29-91; R1_1; SY
4561; 8-26-91; SITE; EMR

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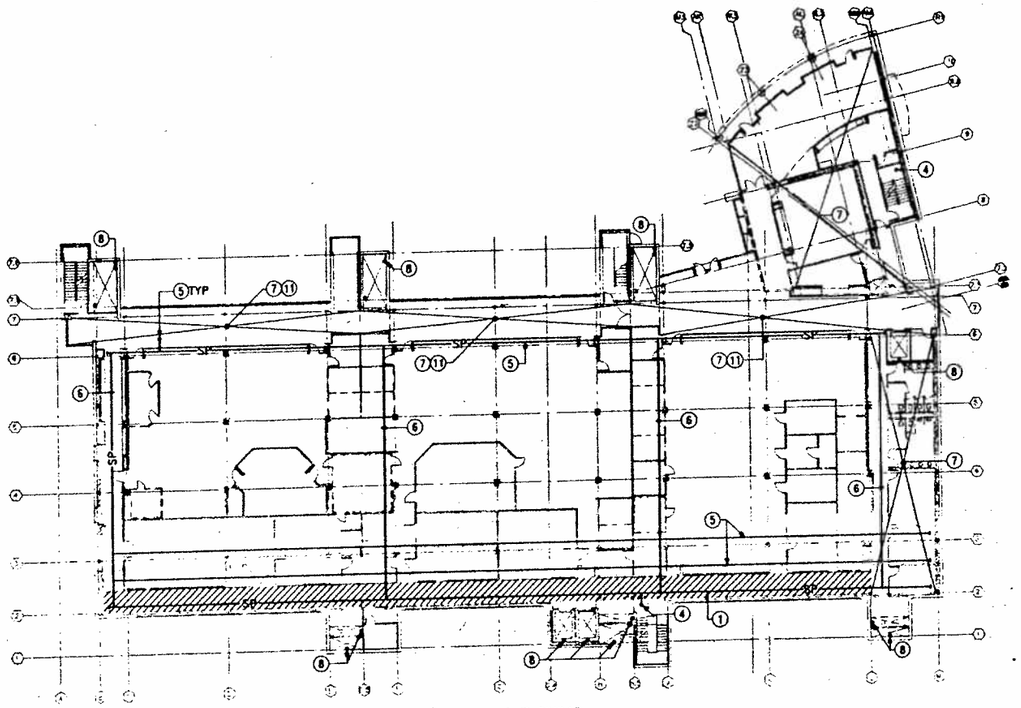
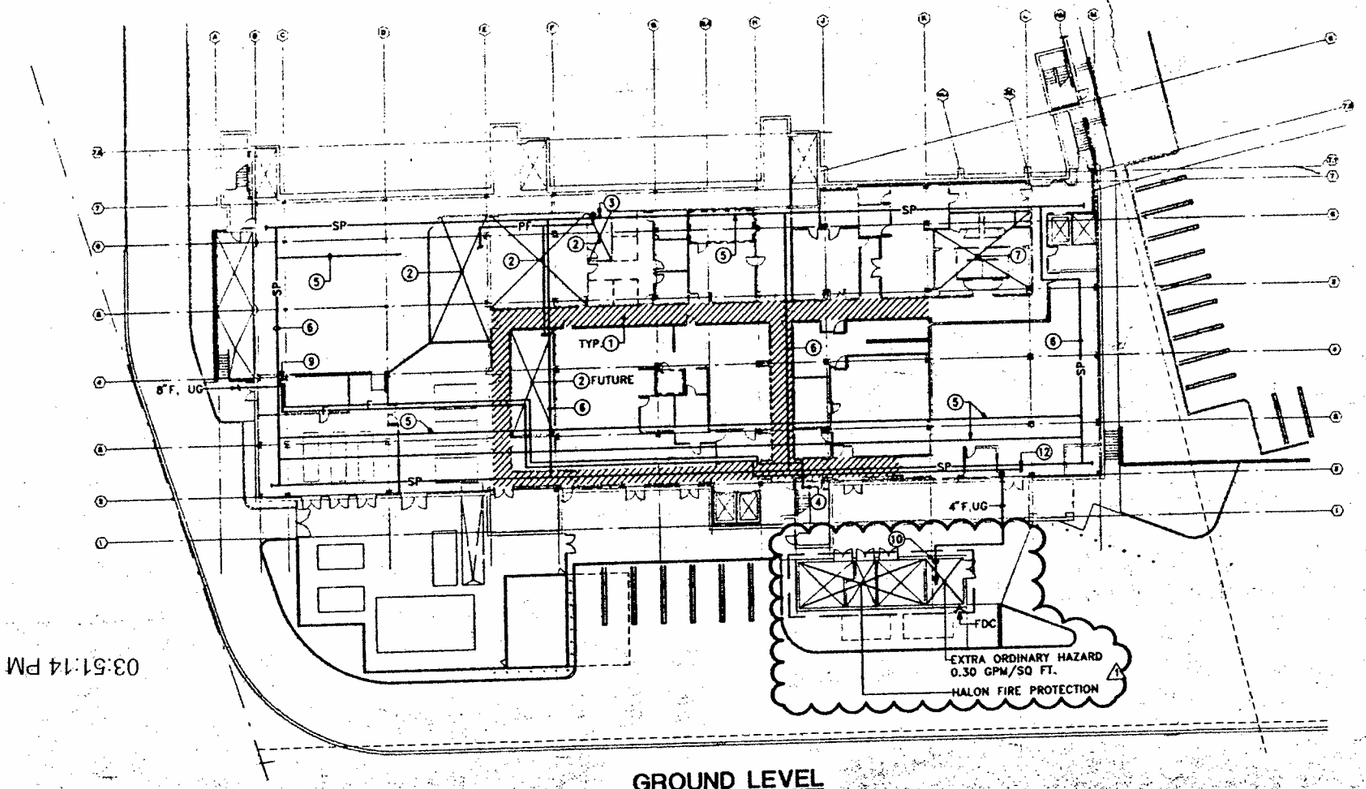


NOTE: 2ND FLOOR IS SIMILAR.

LEVEL ONE

SCALE: 1/16" = 1'-0"



GROUND LEVEL

SCALE: 1/16" = 1'-0"

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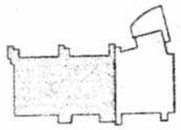
KEY PLAN



SHEET NOTES

1. PROVIDE SPRINKLER HEADS IN CEILING SPACE OF CORRIDORS WITH PLASTIC PIPING, INDICATED BY CROSS HATCHING.
2. THIS AREA PROTECTED BY PREACTION SYSTEM.
3. PREACTION SYSTEM RISER. SEE DETAIL 6/P5.2.
4. MAIN RISER & FLOOR CONTROL ASSEMBLY.
5. TYPICAL SPRINKLER SUPPLY.
6. TYPICAL FEED MAIN.
7. THIS AREA IS LIGHT HAZARD OCCUPANCY. TYPICAL FOR FIRST & SECOND LEVELS.
8. PROVIDE SPRINKLER HEAD AT TOP OF SHAFT.
9. FIRE SPRINKLER RISER, SEE DWG P2.1A FOR ROUTING.
10. EXTRA HAZARD SPRINKLER RISER.
11. COORDINATE SPRINKLER HEAD LOCATIONS WITH MECH. WORK. SEE SECTIONS 3/P6.1, 4/P6.1.
12. FIRE MAIN FOR FUTURE CONNECTION.

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Revisions

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1	BULLETIN NO. 1	10-2-91

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North Hollywood—Los Angeles, California

Kaiser
Permanente
Kaiser Permanente Medical Care Program
Southern California Region

FIRE PROTECTION ZONING PLAN

Scale: AS SHOWN

Project No. 19210.01

Date 11 APR 91

B1 BULLETIN

Drawing No. P1.2

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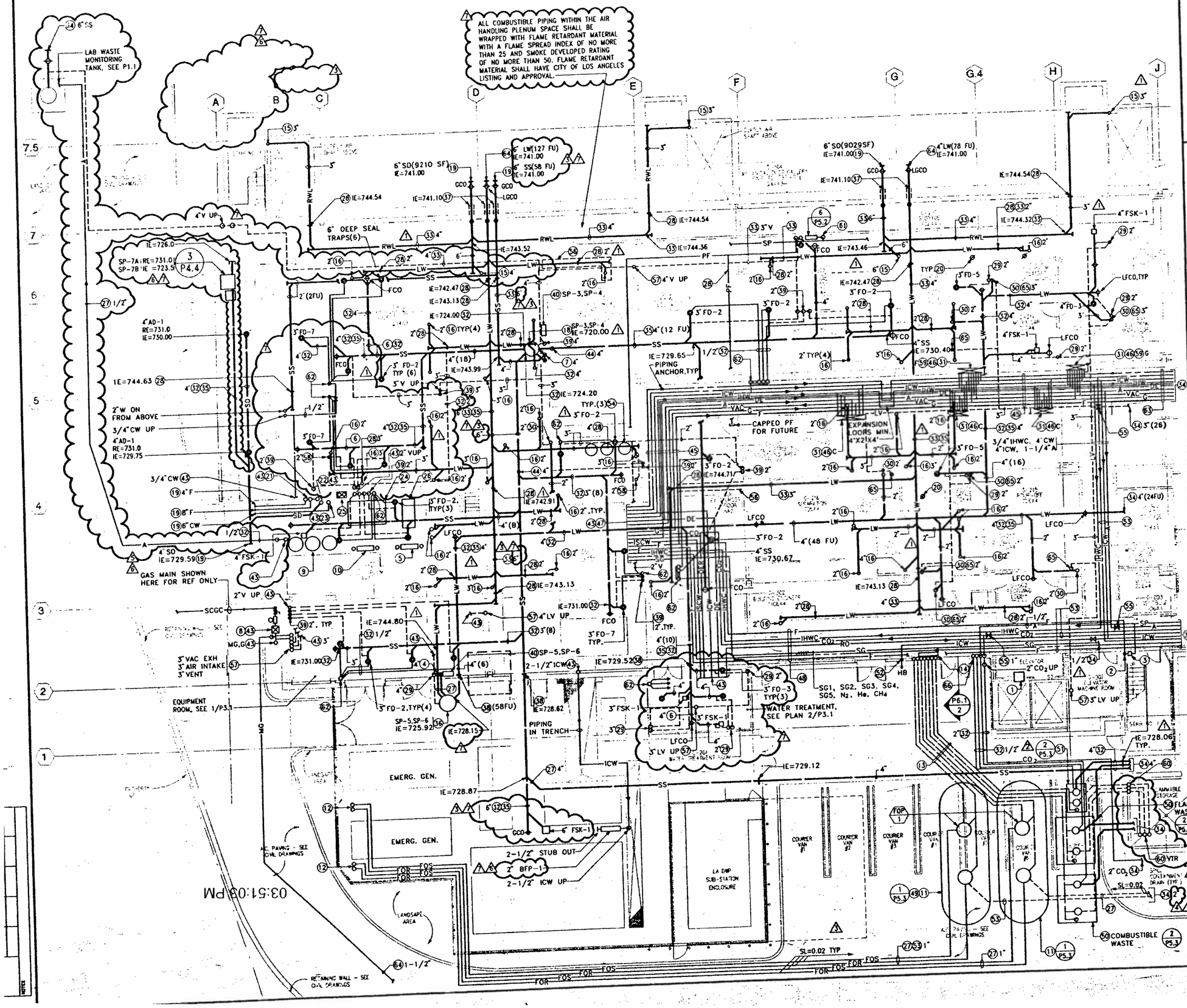
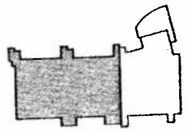


KEY PLAN



SHEET NOTES

1. 24"X24"X24" ELEVATOR SUMP.
2. FIRE SPRINKLER SUPPLY RISER.
3. ZONE CONTROL ASSEMBLY WITH TEMPER SWITCH, FLOW SWITCH AND INSPECTOR'S TEST.
4. TWO 4" LW PUMP DISCHARGE UP.
5. BACKFLOW PREVENTER FOR SOFTENER SYSTEM.
6. COMBINATION WASTE & VENT SYSTEM.
7. TWO 4" SS PUMP DISCHARGE UP.
8. GAS METER & REGULATOR ASSEMBLY.
9. DUPLEX WATER SOFTENERS & BRINE TANK.
10. WATER PRV STATION & BACKFLOW PREVENTION.
11. DOUBLE WALL 15,000 GAL. FUEL STORAGE TANK UNDERGROUND.
12. 1" FOS & FOR STUB UP FOR CONNECTION TO EMERGENCY GENERATOR.
13. TANK MONITORING CONDUITS UNDERSLAB.
14. TANK MONITORING PANEL, +5'-0".
15. RWL DOWN FROM ABOVE.
16. LAB WASTE DOWN FROM ABOVE.
17. SLEEVE THRU STEEL BEAM.
18. DUPLEX SAN. SEWER EJECTOR.
19. STUB-OUT 5'-0" BEYOND BLDG. AND MAKE FINAL CONNECTION TO SITEWORK.
20. DRY PENDENT SPRINKLER HEAD.
21. 8°F UP TO TWO 6" SPRINKLER RISERS.
22. 4"SO UP TO 4X2 REDUCER FOR SPRINKLER DRAIN.
23. 6"CW UP.
24. DUPLEX RANK MOUNTED AIR COMPRESSORS.
25. DESICANT AIR DRYER.
26. DUPLEX TANK MOUNTED VACUUM PUMPS.
27. PIPING UNDERGROUND.
28. PIPING UNDER BEAM ABOVE.
29. LV UP FROM BELOW SLAB.
30. LW STUB-UP THRU FLOOR +6".
31. LINE SIZE SHUT-OFF VALVES. SIZE OF UTILITIES AS INDICATED. SEE SCHEDULE ON P0.1.
32. PIPING UNDER SLAB.
33. PIPING AT CEILING AS HIGH AS POSSIBLE.
34. FOR CONT., SEE DWG. P2.1B.
35. SLOPE PIPING AT 1%.
36. DUPLEX LW EJECTOR.
37. SLEEVE THRU WALL. PIPE IE AS INDICATED.
38. PIPING UNDER GRADE BEAM.
39. VENT UP FROM BELOW SLAB.
40. SUMP PUMP CONTROL PANEL.
41. 3" PUMP DISCHARGE UP AGAINST WALL.
42. 4" SD STUB OUT ABOVE FOOTING FOR FOUNDATION DRAIN PIPING CONNECTION.
43. FOR CONT., SEE DWG. P3.1.
44. OFFSET WASTE DOWN AND UNDER STRUCTURE. FCO ON TOP OF OFFSET.
45. 1-1/2"HW, 6"CW, 4"ICW, 1-1/2"IHW, 1"DE, DER, 1-1/4"A, 1-1/2"VAC, 1"GAS, 3"F.
46. THIS SECTION TERMINATES WITH VALVED OR CAPPED UTILITIES AS SHOWN. PROVIDE CAP FOR UNUSED STUB-OUTS, SEE LAB DWGS.
47. 1-1/2"HW, 6"CW, 4"ICW, 1-1/2"IHW, 1-1/2"DE, 1-1/4"A, 1-1/2"VAC, 1"G, 1"CO2, 1-1/2"DER, 1"ISCW, 6"F, 6"F, 3/4" IHWC, HWC.
48. 6"F, 3/4"IHWC, 1"CO2, RO, 3/4" HWC, 6"F.
49. FUEL STORAGE TANK FOR FUTURE. INSTALL NOW WITH PIPING AND CONDUITS.
50. DOUBLE WALL 3,000 GAL STEEL TANK.
51. DOUBLE WALL 500 GAL STEEL TANK.
52. 3/4" ICW DN & THRU WALL TO HB-2, +36".
53. INSTALL PIPING FOR FUTURE SYSTEM.
54. WATER HEATERS, SEE DWG. P3.1.
55. LINE SIZE SHUT OFF VALVE NORMALLY CLOSED. PIPING FOR FUTURE EXPANSION.
56. DRIP PAN UNDER PIPING. SEE 7/P5.2.
57. FOR CONT., SEE DWG 2.2A.
58. LV UP TO FLOOR ABOVE.
59. PROVIDE CAPPED STUB-OUT 1-1/4"CW FOR ES.
60. TANK VENT UP AGAINST WALL TO VTR. +18" ABOVE ROOF. 2"DSW, 2"FW, 2" CRW.
61. SUPPLY DOWN TO PREACTION CONTROL ASSEMBLY.
62. 1/2"ICW DOWN WITH BALL VALVE AND TRAP PRIMERS FOR FLOOR DRAINS.
63. 1-1/2"HW, 4"CW, 1-1/2"ICW, IHW, 1"DE, DER, 3/4"A, 1-1/2"VAC, 1"G, 3"F.
64. FOR CONT, SEE DWG P1.1.
65. 2"LV DN TO LV STUB-UP.
66. 1/2"A DN TO 3 SOLENOID VALVES.

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No.		Date
1	ADDENDUM NO. 1	5-15-91
2	ADDENDUM NO. 2	6-12-91
3	INSTRUCTION BULLETIN NO. 1	7-22-91
4	UGT REVIEW	8-26-91
5	IND. WASTE REVIEW	8-26-91
6	BLDG DEPT PLAN CHECK	10-2-91
7	BULLETIN NO. 1	11-11-91

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Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

GROUND LEVEL WESTERN PORTION FLOOR PLAN

Scale: 1/8"=1'-0"

Project No. 19210.01

Date 11 APR 91

B1 BULLETIN

Drawing No. P2.1A

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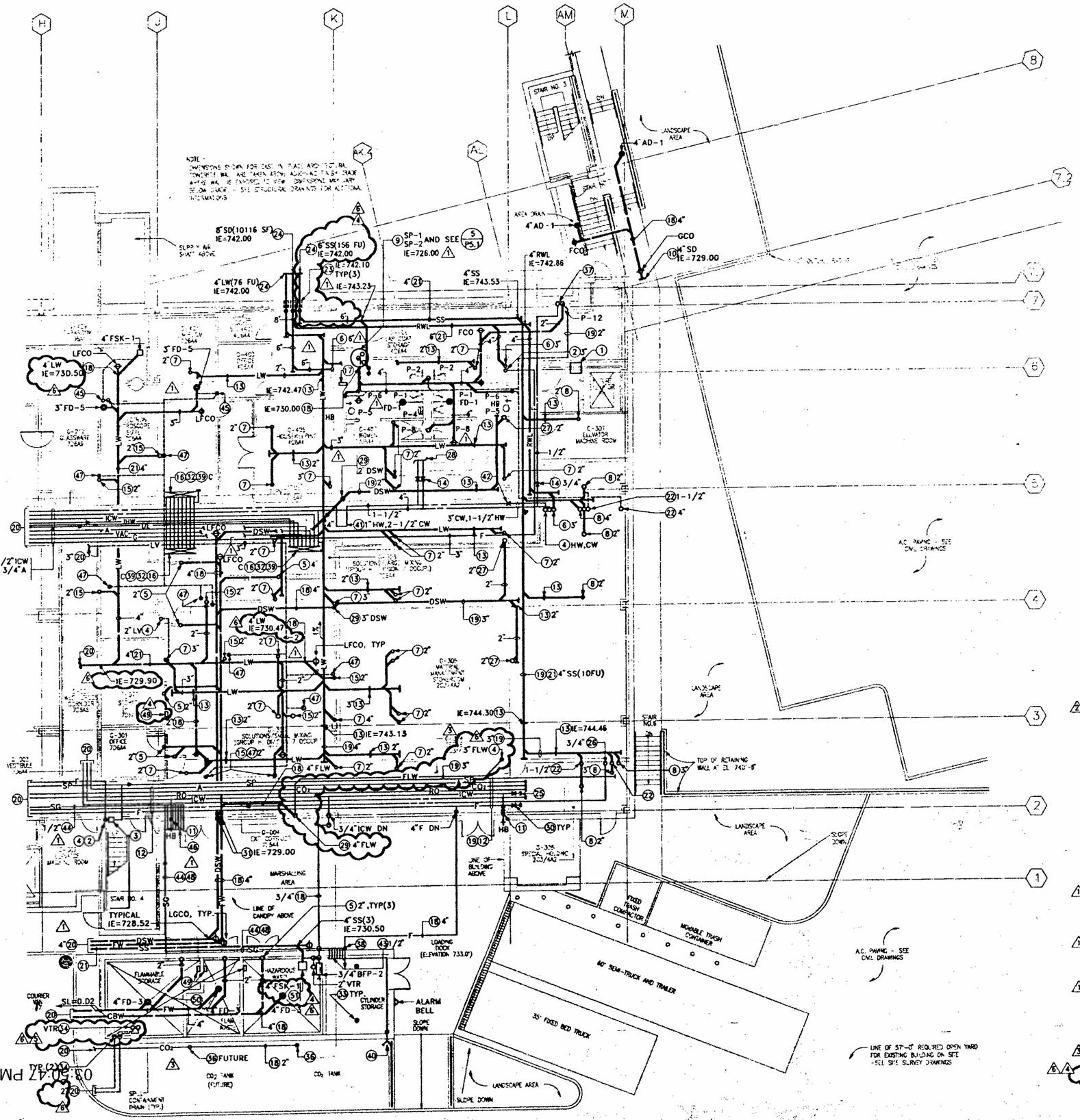

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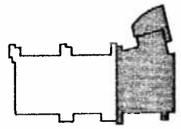

SHEET NOTES

1. 24" x 24" x 24" ELEVATOR SUMP.
2. FIRE SPRINKLER SUPPLY RISER.
3. ZONE CONTROL ASSEMBLY WITH TAMPER SWITCH. FLOW SWITCH AND INSPECTOR'S TEST.
4. PIPING UP TO FIRST FLOOR.
5. SPILL CONTAINMENT SUMP TRENCH DRAIN. FD-3. NO TRAP.
6. RWL DOWN FROM ABOVE.
7. LAB WASTE DOWN FROM ABOVE.
8. SAN. SEWER DOWN FROM ABOVE.
9. DUPLEX SAN. SEWER EJECTOR.
10. STUB-OUT 5'-0" BEYOND BLDG AND MAKE FINAL CONNECTION TO SITEWORK.
11. 3/4" ICW DN & THRU WALL TO HB-2½"-+36".
12. 1-1/4"A, 1"CO2, 2"RO, 4"ICW, CW, 3/4"HWC, 6"F.
13. PIPING UNDER BEAM ABOVE.
14. LINE SIZE SHUT-OFF VALVE.
15. LW STUB-UP THRU FLOOR +6".
16. LINE SIZE SHUT-OFF VALVES. SIZE OF UTILITIES AS INDICATED. SEE SCHEDULE ON P0.1.
17. SUMP PUMP CONTROL PANEL.
18. PIPING UNDERSLAB.
19. PIPING AT CEILING AS HIGH AS POSSIBLE.
20. FOR CONT., SEE DWG P2.1A.
21. PIPING SLOPE AT 1%.
22. VENT UP TO FLOOR ABOVE.
23. SLEEVE THRU CONC. WALL. IE OF PIPE AS INDICATED.
24. FOR CONT. OF PIPING SEE DWG P2.2B.
25. CAP FOR FUTURE CONN.
26. HWC DOWN FROM ABOVE.
27. DSW DOWN FROM ABOVE.
28. FDR HW CW CONT. SEE RISER NO.5 AND RISER NO.3 FOR WASTE PIPING, ON DWG P4.1.
29. PIPING DOWN IN FURRED CHASE AND THRU FLOOR.
30. LINE SIZE VALVE NORMALLY CLOSED ON PIPING FOR FUTURE EXTENSION.
31. PIPING SLEEVE THRU GRADE BEAM AT ELEVATION INDICATED.
32. PROVIDE CAPPED STUB-OUT 1-1/4"CW FOR ES.
33. FIRE SPRINKLER HEADS, SHOWN FOR REFERENCE ONLY.
34. 1-1/2" FUEL OIL TANK VENT UP AGAINST WALL, TERMINATE +18" ABOVE ROOF.
35. PIPING UNDER FOUNDATION.
36. 2"CO2 STUB-UP +24" WITH VALVE & CAP.
37. 1/2"CW DN, 2"W DOWN, 1-1/2"V UP FROM DRINKING FOUNTAIN.
38. 4"F UP WITH OS&Y VALVE, CHECK VALVE FOR HAZARDOUS WASTE STORAGE SPACES. PROVIDE TAMPER FLOW SWITCHES.
39. THIS SECTION TERMINATES WITH VALVED OR CAPPED UTILITIES AS SHOWN. PROVIDE CAP FOR UNUSED STUB-OUTS, SEE LAB DWGS.
40. TWO WAY WALL FIRE DEPT. INLET CONNECTION.
41. THERMO-EXPANSION LOOP. 1-1/2" PIPE-4'X2'X4'.
42. PIPE ANCHOR.
43. SG1, SG2, SG3, SG4, SG5, N2, He, & CH4 PIPING SLEEVE THRU WALL. FOR CONT., SEE PLAN 3/P3.1.
44. SG1 THRU SG5, AND N2, He, & CH4 PIPING.
45. 2" LV UP THRU SLAB IN WALL SPACE.
46. LAB SPECIAL GAS PIPING THRU WALL +10'-0".
47. 2" LV DOWN AND CONNECT TO LV STUB-UP. SEE LAB DWGS FOR EXACT CONDITION.
48. RACK PIPING NEATLY & EVENLY AGAINST WALL. SUPPORTS SHOULD BE SYMMETRICALLY AND EVENLY SPACED. MAX. SPACING OF SUPPORTS IS 5'-0". SUPPORT SPACE IS BWTN. 8'-6" AND 10'-0". SEE DIAGRAM IN 3/P3.1.
49. 90% TANK LEVEL REMOTE ALARM. MOUNT 7'-6" ABOVE FLOOR.
50. THIS AREA PROTECTED BY HALON FIRE SUPPRESSION SYSTEM.
51. SET FLOOR SINK RIM +2" ABOVE FLOOR.

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GROUND LEVEL EASTERN PORTION FLOOR PLAN

Scale: 1/8" = 1'-0"

Project No. 19210.01

Date 11 APR 91

B1 BULLETIN

Drawing No. P2.1B

4561; 10-29-91; P2_1B; SY; EL
4561; 4-8-91; GROUND B; FMR

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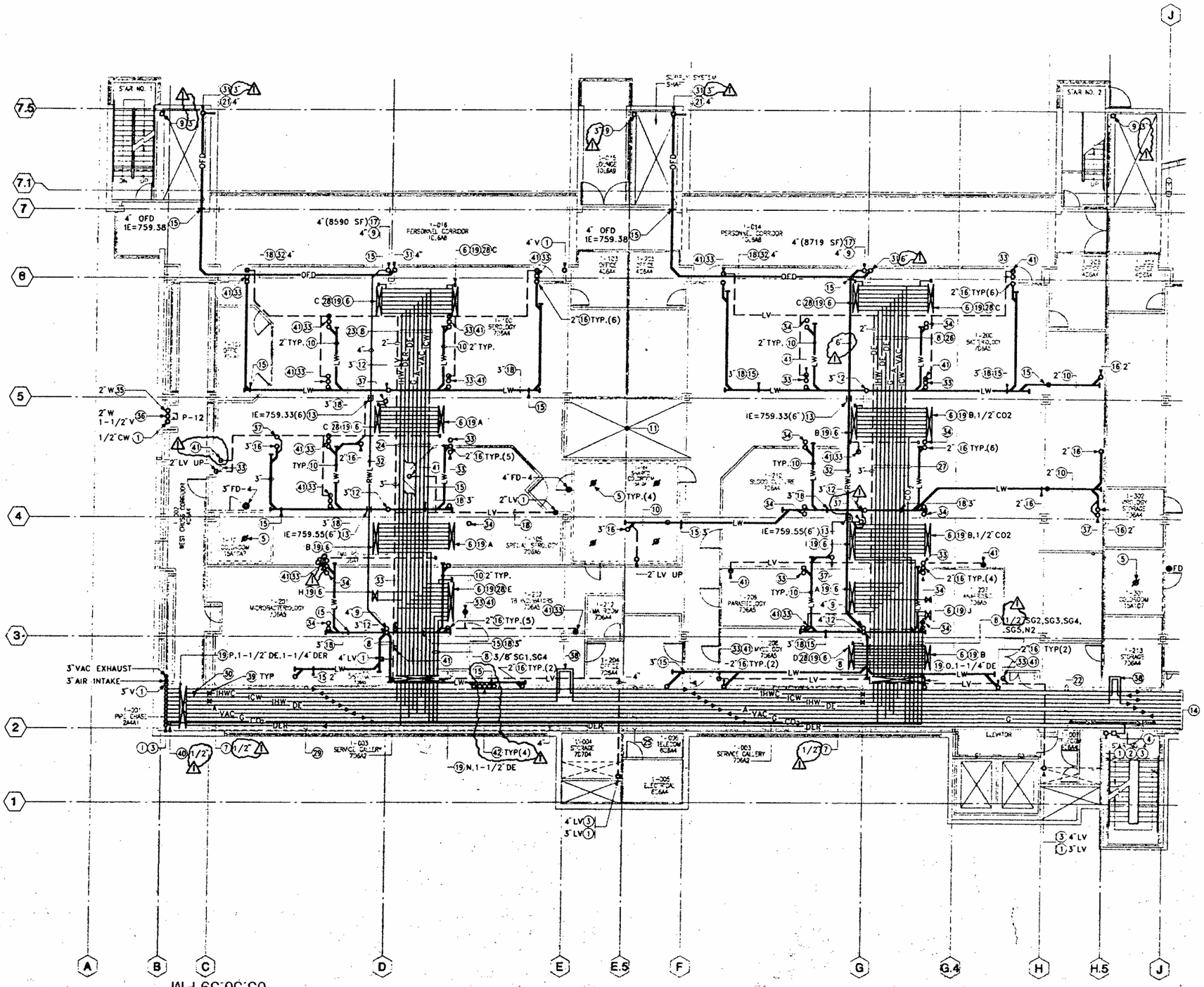

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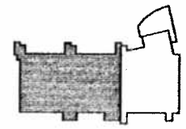

SHEET NOTES

1. PIPING UP FROM BELOW.
2. FIRE SPRINKLER SUPPLY RISER.
3. PIPING UP TO SECOND LEVEL.
4. FLOOR CONTROL ASSEMBLY WITH TAMPER SWITCH, FLOW SWITCH, AND INSPECTOR'S TEST ASSEMBLY.
5. DRY PENDENT SPRINKLER HEAD.
6. THIS SECTION TERMINATES WITH VALVED OR CAPPED UTILITIES AS SHOWN. PROVIDE CAP FOR UNUSED STUB-OUTS. SEE LAB DWGS.
7. FOR CLARITY, ONLY ONE LINE IS SHOWN FOR SPECIAL GASES, NITROGEN (HELIUM, & METHANE) PIPING.
8. PIPING UNDER DUCTWORK.
9. RWL DOWN FROM ABOVE. UNLESS OTHERWISE NOTED.
10. PIPING ABOVE DUCTWORK.
11. THIS AREA TO HAVE EXTRA-HIGH TEMPERATURE SPRINKLER HEADS.
12. LAB WASTE DOWN THRU FLOOR.
13. PIPING THRU BEAM AT IE AS SHOWN. SLEEVE SIZE INDICATED THUS(6").
14. FOR CONT., SEE P2.2B.
15. PIPING UNDER BEAM.
16. LAB WASTE DOWN FROM ABOVE.
17. RWL DOWN THRU FLOOR.
18. PIPING IN CEILING, AS HIGH AS POSSIBLE.
19. LINESIZE SHUT-OFF VALVES. SIZE OF UTILITY AS INDICATED. SEE UTILITY SCHEDULE ON DWG. PO.1.
20. LINE SIZE SHUT-OFF VALVE.
21. OFD DOWN. SLEEVE THRU WALL 6" ABOVE FINISH GRADE, AND SPILL. TERMINATE 1" BEYOND FACE OF WALL.
22. 1-1/4"CW, 1"IHWC, 1-1/2"ICW, 1-1/2"IHW, 1-1/4"DE, 3/4"A, 1-1/2"VAC, 1"G, 1/2"CO2, 1-1/4"DER.
23. 1"IHW, 1-1/2"DE, DE, 1"G, 3/4"A, 1-1/4"VAC, 1"ICW, 1-1/4"CW.
24. 1-1/4"IHW, 1-1/2"DE, DE, 1"G, 3/4"A, 1-1/4"VAC, 1-1/4"ICW, CW.
25. 1-1/2"CW, 1"IHWC, 2"ICW, 1-1/2"IHW, 1-1/4"DE, 1"A, 2"VAC, 1"G, 3/4"CO2, 1-1/4"DER, 3/4" SG1, SG2, SG5, N2.
26. 1"IHW, 1-1/4"DE, DE, 1"G, 3/4"A, 1-1/4"VAC, 1"ICW, 1-1/4"CW.
27. 1-1/4"IHW, 1-1/4"DE, DE, 1"G, 3/4"A, 1-1/4"VAC, 1-1/4"ICW, CW, 3/4"CO2.
28. PROVIDE CAPPED STUB-OUT 1-1/4"CW FOR ES.
29. 1-1/2"CW, 1"IHWC, 2"ICW, 2"IHW, 1-1/2"DE, 1"A, 2"VAC, 1-1/2"G, 1"CO2, 1-1/4"DER, 3/4" SG1, SG2, SG4, SG5, N2.
30. 1"SIZE BALANCING VALVE.
31. OFD DOWN FROM ABOVE.
32. SLOPE PIPING AT 1%.
33. 2"LW STUB-UP FROM BELOW FOR ABOVE FLOOR CONN.
34. 2"LW STUB-UP CAPPED BELOW FLOOR FOR FUTURE. SEE LAB DWG LP2.03.
35. WASTE DOWN FROM ABOVE.
36. WASTE DOWN THRU FLOOR, VENT UP TO 2nd FLOOR.
37. 2" LV UP TO 2nd FLOOR.
38. THERMO-EXPANSION LOOPS
    1" PIPE-3"X1.5"X3"
    1-1/2" PIPE-4"X2"X4"
39. PIPING ANCHOR.
40. SPECIAL GASES, SG1, SG2, SG3, SG4, SG5, N2, He, & CH4, UP FROM BELOW. SEE P3-1 FOR CONTINUATION.
41. 2" LV DOWN AND CONNECT TO LV STUB-UP. SEE LAB DWGS FOR EXACT CONDITION.
42. 1" GAS PRV RELIEF VENT UP FROM BELOW.

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No.		Date
1	ADDENDUM NO.1	5-15-91

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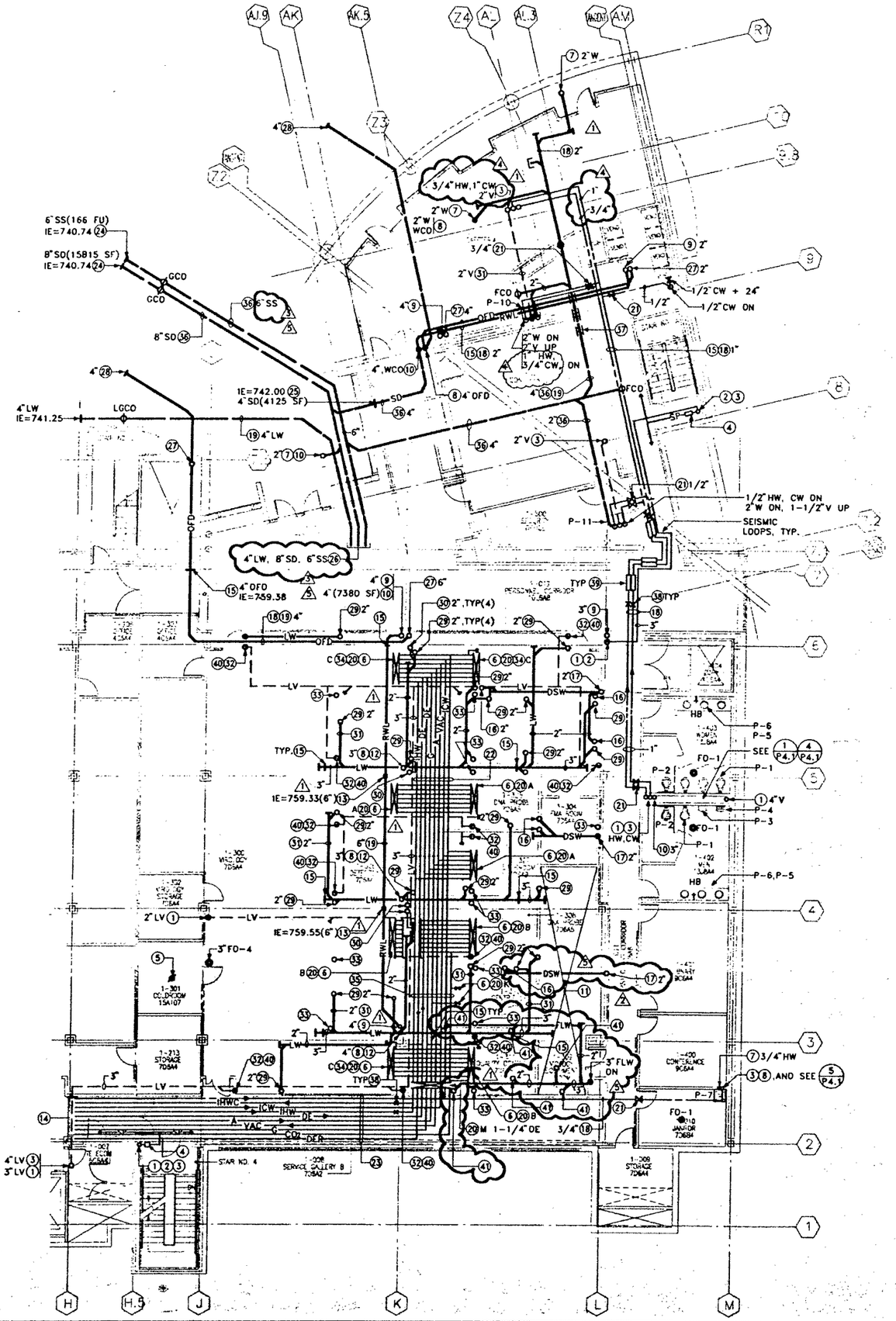
Kaiser Permanente Medical Care Program
Southern California Region

LAB LEVEL 1 WESTERN PORTION FLOOR PLAN

Scale: 1/8"=1'-0"

Project No.		Drawing No.
19210.01	A	P2.2A
Date 11 APR 91	ADDENDUM	

4561; 5-7-91; P2_2A; SY; EL
4561; 4-8-91; LAB1A; EMR



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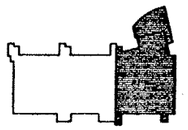

SHEET NOTES

1. PIPING UP FROM BELOW.
2. FIRE SPRINKLER SUPPLY RISER.
3. PIPING UP TO SECOND LEVEL.
4. FLOOR CONTROL ASSEMBLY WITH TAMPER SWITCH, FLOW SWITCH, AND INSPECTOR'S TEST ASSEMBLY.
5. DRY PENDENT SPRINKLER HEAD.
6. THIS SECTION TERMINATES WITH VALVED OR CAPPED UTILITIES AS SHOWN. PROVIDE CAP FOR UNUSED STUB-OUTS, SEE LAB DWGS.
7. PIPING DOWN FROM ABOVE.
8. PIPING DOWN IN FURRED CHASE.
9. RWL DOWN FROM ABOVE, UNLESS OTHERWISE NOTED.
10. RWL DOWN THRU FLOOR.
11. THIS AREA TO HAVE EXTRA-HIGH TEMPERATURE SPRINKLER HEADS.
12. LAB WASTE DOWN THRU FLOOR.
13. PIPING THRU BEAM AT IE AS SHOWN. SLEEVE SIZE INDICATED THUS(6").
14. FOR CONT., SEE P2.2A.
15. PIPING UNDER BEAM.
16. OSW DOWN FROM ABOVE.
17. OSW DOWN IN WALL AND THRU FLOOR.
18. PIPING AT CEILING AS HIGH AS POSSIBLE.
19. PIPING SLOPE AT 1%.
20. LINE SIZE SHUT-OFF VALVE. SERVICES AS INDICATED. SEE UTILITY SCHEDULE ON DWG. P0.1.
21. LINE SIZE SHUT-OFF VALVES.
22. 1"IHW, 1-1/4"DE, DE, 1"G, 3/4"A, 1-1/4"VAC, 1"ICW, 1-1/4"CW.
23. 1-1/4"CW, 1"IHWC, 1-1/2"ICW, 1-1/2"HHW, 1-1/4"DE, 3/4"A, 1-1/2"VAC, 1"G, 1/2"CO2, 1-1/4"DER.
24. FOR CONT., SEE CIVIL ENGINEER DWGS.
25. PIPING UNDER GRADE BEAM.
26. FOR CONT., SEE P2.1B.
27. OFD DOWN FROM ABOVE.
28. OFD DOWN, SLEEVE THRU WALL 6" ABOVE FINISH GRADE, AND SPILL. TERMINATE 1" BEYOND FACE OF WALL.
29. LAB WASTE ON FROM ABOVE.
30. LV UP TO 2ND FLOOR.
31. PIPING IN BEAM SPACE.
32. 2" LW STUB UP THRU FLOOR FOR ABOVE FLOOR CONN.
33. 2" LW STUB UP CAPPED BELOW FLOOR FOR FUTURE. SEE LAB DWG LP2.03.
34. PROVIDE CAPPED STUB-OUT 1-1/4"CW FOR ES.
35. 1-1/4"IHW, 1-1/4"DE, DE, 1"G, 3/4"A, 1-1/4"VAC, 1-1/4"ICW, CW, 1/2"CO2.
36. PIPING UNDERSLAB.
37. PIPING SLEEVE THRU GRADE BEAM WITH 6" SLEEVE. PIPE IE=743.83. CENTER OF SLEEVE AT (-36").
38. PIPE ANCHOR.
39. FLEXIBLE CONNECTOR.
40. 2" LV DOWN AND CONNECT TO LV STUB-UP. SEE LAB DWGS FOR EXACT CONDITION.
41. 2" FLW DOWN FROM CONTAINMENT TRENCH ABOVE.

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LAB LEVEL 1 EASTERN PORTION FLOOR PLAN

Scale: 1/8"=1'-0"

Project No.		Drawing No.
19210.01	B1	P2.2B
Date 11 APR 91	BULLETIN	

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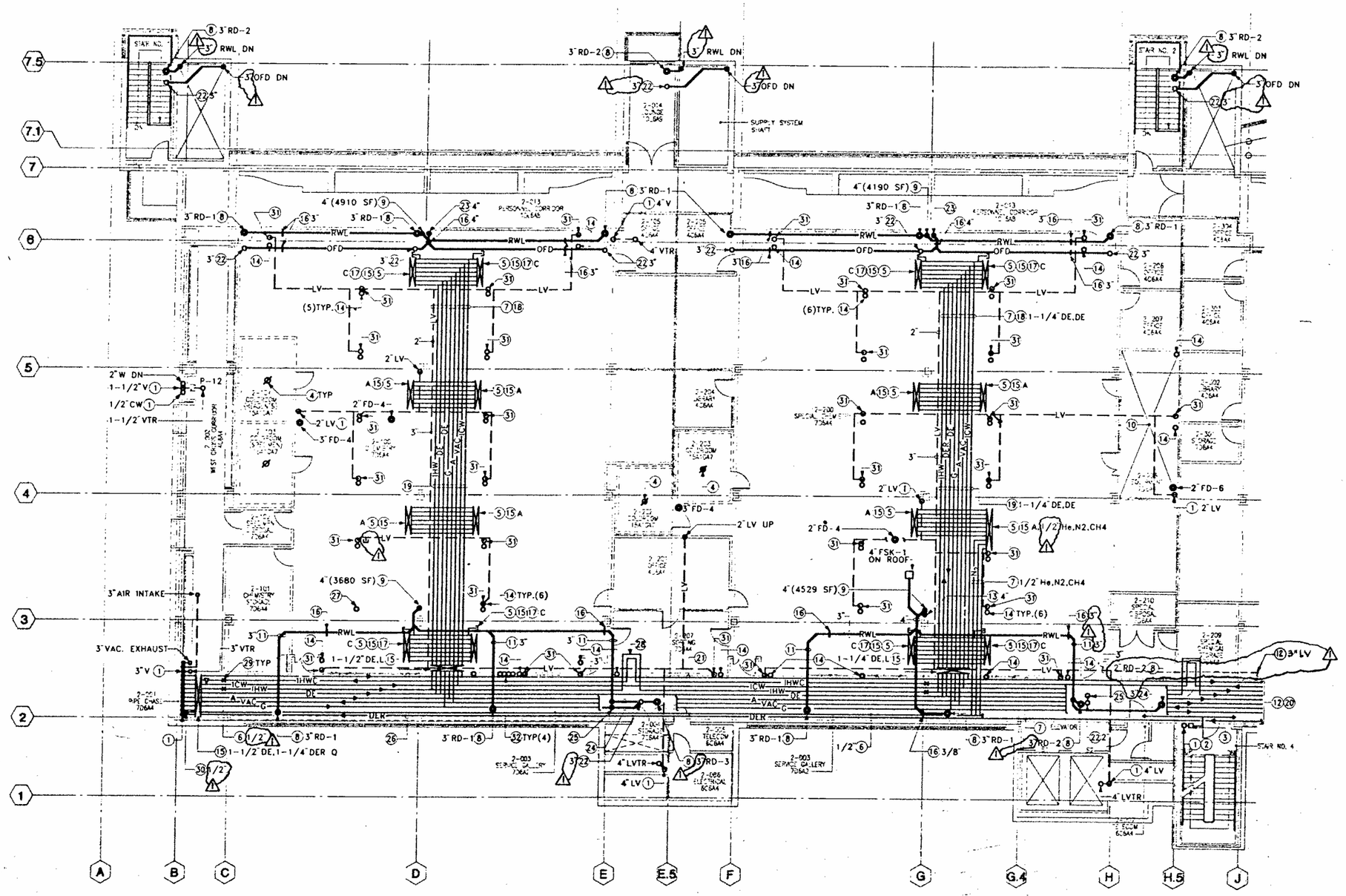

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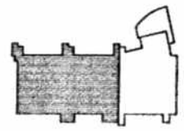

SHEET NOTES

1. PIPING UP FROM BELOW.
2. FIRE SPRINKLER SUPPLY RISER.
3. FLOOR CONTROL ASSEMBLY WITH TEMPER SWITCH, FLOW SWITCH, AND INSPECTOR'S TEST ASSEMBLY.
4. DRY PENDENT SPRINKLER HEAD.
5. THIS SECTION TERMINATES WITH VALVED OR CAPPED UTILITIES AS SHOWN. PROVIDE CAP FOR UNUSED STUB-OUTS, SEE LAB DWGS.
6. FOR CLARITY, ONLY ONE LINE IS SHOWN FOR NITROGEN, HELIUM & METHANE PIPING.
7. PIPING IN CEILING SPACE.
8. RWL DOWN FROM ROOF DRAIN.
9. RWL DOWN THRU FLOOR.
10. THIS AREA TO HAVE EXTRA-HIGH TEMPERATURE SPRINKLER HEAD.
11. PIPING IN BEAM SPACE.
12. FOR CONT., SEE P2.3B.
13. LW DOWN THRU FLOOR.
14. 2" LW STUB UP FROM BELOW FOR ABOVE FLOOR CONN.
15. LINE SIZE SHUT-OFF VALVES, SIZE OF UTILITIES AS INDICATED. SEE UTILITY SCHEDULE ON DWG P0.1.
16. PIPING UNDER BEAM ABOVE.
17. PROVIDE 1-1/4"CW CAPPED STUB-OUT FOR ES.
18. 1"IHW, 1-1/2"DE, DE, 1"G, 3/4"A, 1-1/4"VAC, 1"ICW, 1-1/4"CW.
19. 1-1/4"IHW, 1-1/2"DE, DE, 1"G, 3/4"A, 1-1/4"VAC, 1-1/4"ICW, CW.
20. 1-1/4"CW, 1"IHWC, 2"ICW, 1-1/2"IHW, 1-1/4"DE, 3/4"A, 1-1/2"VAC, 1"G, 1-1/4"DER.
21. 1-1/2"CW, 1"IHWC, 2"ICW, 2"IHW, 1-1/4"DE, 1"A, 2"VAC, 1"G, 1-1/4"DER.
22. OFD DOWN FROM OVERFLOW DRAIN.
23. OFD DOWN THRU FLOOR.
24. PIPING UNDER TOWER ROOF STRUCTURE ABOVE.
25. OFD DOWN AGAINST WALL AND SPILL TO MAIN ROOF +6". TERMINATE OFD WITH DOWNSPOUT NOZZLE.
26. 1-1/2"CW, 1"IHWC, 2"ICW, 2"IHW, 1-1/2"DE, 1"A, 2"VAC, 1"G, 1-1/4"DER.
27. 2"LW STUB-UP FROM BELOW FLOOR FOR FUTURE. SEE LAB DWG LP2.03.
28. THERMAL EXPANSION LOOPS
    1" PIPE - 3"x1.5"x3"
    1-1/2"PIPE - 4"x2"x4"
29. PIPE ANCHOR.
30. SPECIAL GASES, SG1, SG2, SG3, SG4, SG5, N2, HE, & CH4, UP FROM BELOW. ALL GASES NOT USED ON THIS FLOOR ARE VALVED & CAPPED FOR FUTURE CONNECTION.
31. 2"LV DOWN AND CONNECT TO LV STUB-UP. SEE LAB DWGS FOR EXACT CONDITION.
32. 1" GAS PRV VENT UP FROM BELOW, AND EXTEND UP THRU ROOF. TERMINATE 12" ABOVE ROOF WITH ELBOW & 3" LONG EXTENSION LOOKING HORIZONTALLY.

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Laboratory Electrical Engineer

Revisions

No.		Date
1	ADDENDUM NO.1	5-15-91

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood-Los Angeles, California

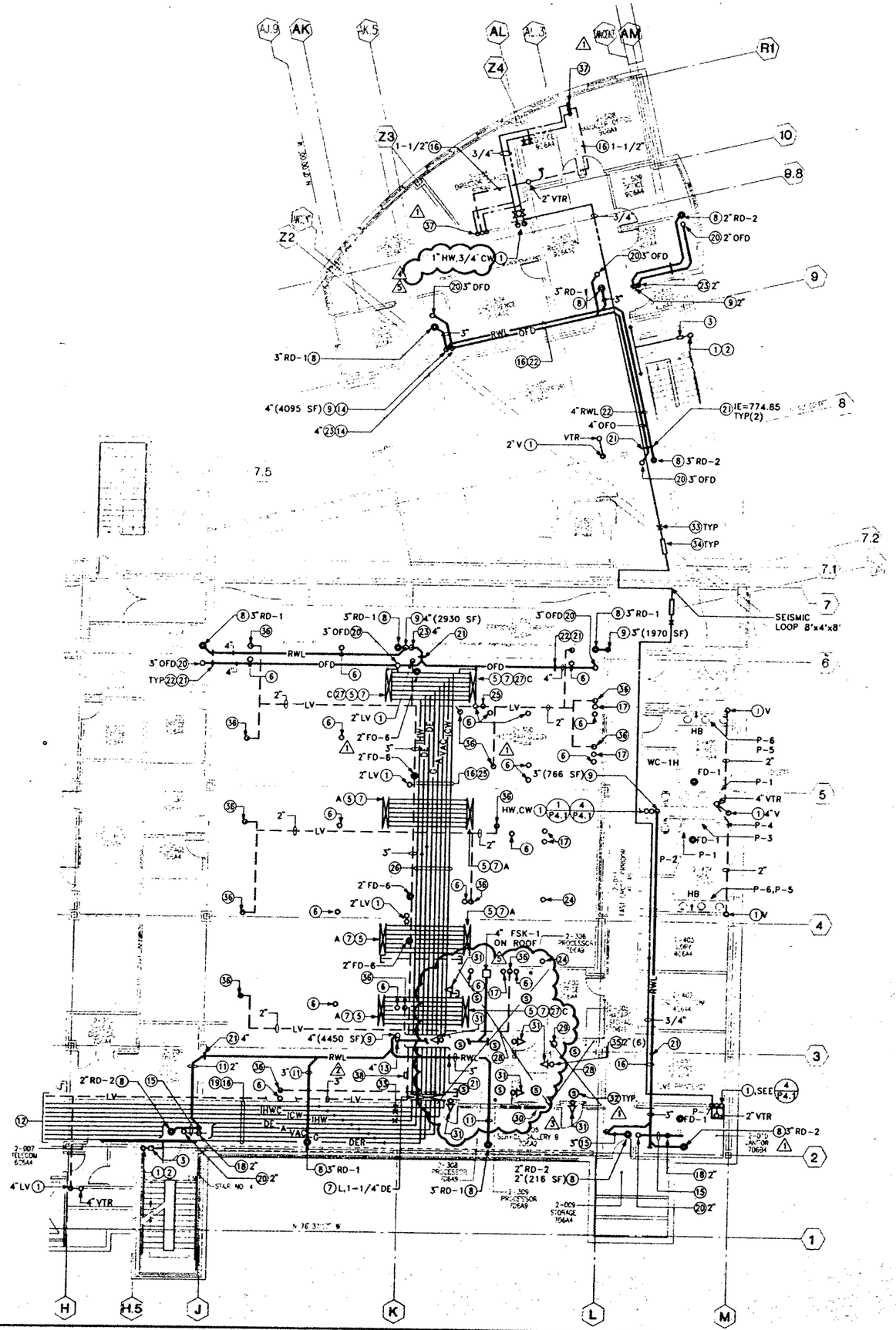
Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

LAB LEVEL 2 WESTERN PORTION FLOOR PLAN

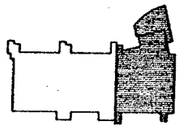
Scale: 1/8"=1'-0"

Project No.		Drawing No.
19210.01	A	P2.3A
Date 11 APR 91	ADDENDUM	

4561; 5-7-91; P2_3A; SY; EL
4561; 4-8-91; LAB2A; EMR



KEY PLAN



SHEET NOTES

1. PIPING UP FROM BELOW.
2. FIRE SPRINKLER SUPPLY RISER.
3. FLOOR CONTROL ASSEMBLY WITH TEMPER SWITCH, FLOW SWITCH, AND INSPECTOR'S TEST ASSEMBLY.
4. DRY PENDENT SPRINKLER HEAD.
5. THIS SECTION TERMINATES WITH VALVED OR CAPPED UTILITIES AS SHOWN. PROVIDE CAP FOR UNUSED STUB-OUTS. SEE LAB DWGS.
6. 2" LW STUB UP FROM BELOW FOR ABOVE FLOOR CONN.
7. LINE SIZE SHUT-OFF VALVES. SIZE OF UTILITIES AS INDICATED. SEE UTILITY SCHEDULE ON DWG.P0.1.
8. RWL DOWN FROM ROOF DRAIN.
9. RWL DOWN THRU FLOOR.
10. LINE SIZE SHUT-OFF VALVES.
11. PIPING IN BEAM SPACE.
12. FOR CONT., SEE P2.3A.
13. LW DOWN THRU FLOOR.
14. PIPING IN FURRED CHASE.
15. PIPING UNDER TOWER ROOF STRUCTURE ABOVE.
16. PIPING IN CEILING, AS HIGH AS POSSIBLE.
17. 2" DSW STUB UP FROM BELOW FOR ABOVE FLOOR CONN.
18. OFD DOWN AGAINST WALL, TURN AND SPILL TO MAIN ROOF +6. TERMINATE OFD WITH DOWNSPOUT NOZZLE.
19. 1-1/4"CW, 1"IHWC, 2"ICW, 1-1/2"IHW, 1-1/4"DE, 3/4"A, 1-1/2"VAC, 1"G, 1-1/4"DER. △1
20. OFD DOWN FROM OVERFLOW DRAIN.
21. PIPING UNDER STEEL BEAM ABOVE.
22. SLOPE PIPING 1%.
23. OFD DOWN THRU FLOOR.
24. 2"LW STUB-UP CAPPED BELOW FLOOR FOR FUTURE. SEE LAB DWG LP2.03.
25. 1"IHW, 1-1/4"DE, DE, 1"G, 3/4"A, 1-1/4"VAC, 1"ICW, 1-1/4"CW.
26. 1-1/4"IHW, 1-1/4"DE, DE, 1"G, 3/4"A, 1-1/4"VAC, 1-1/4"ICW, CW.
27. PROVIDE STUB-OUT CAPPED 1-1/4"CW FOR ES.
28. THIS ROOM IS PROTECTED WITH HALON FIRE SUPPRESSION SYSTEM.
29. HALON STORAGE TANK MOUNTED IN CEILING SPACE ABOVE.
30. HALON CONTROL PANEL +5'-0" TO TOP.
31. HALON DISCHARGE STROBE WARNING LIGHT AND ALARM.
32. SMOKE DETECTOR, TYPICAL OF 2.
33. PIPE ANCHOR.
34. FLEXIBLE CONNECTOR.
35. SPILL CONTAINMENT TRENCH WITH DRAIN, FD-3.
36. 2"TO LV DOWN AND CONNECT TO LV STUB-UP. SEE LAB DWGS FOR EXACT CONDITION.
37. △1 1/2"HW & CW DOWN, 2"W DOWN, AND 1-1/2" VENT UP.
38. △2 50% DSW TANK LEVEL ALARM. MOUNT 7'-6" ABOVE FLOOR.

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Revisions

No.		Date
1	ADDENDUM NO.1	5-15-91
2	ADDENDUM NO.2	6-12-91
3	ADDENDUM NO.3	6-20-91
4	PLUMBING REVIEW	8-26-91
5	BULLETIN NO.1	

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LAB LEVEL 2 EASTERN PORTION FLOOR PLAN

Scale: 1/8"=1'-0"

Project No. 19210.01

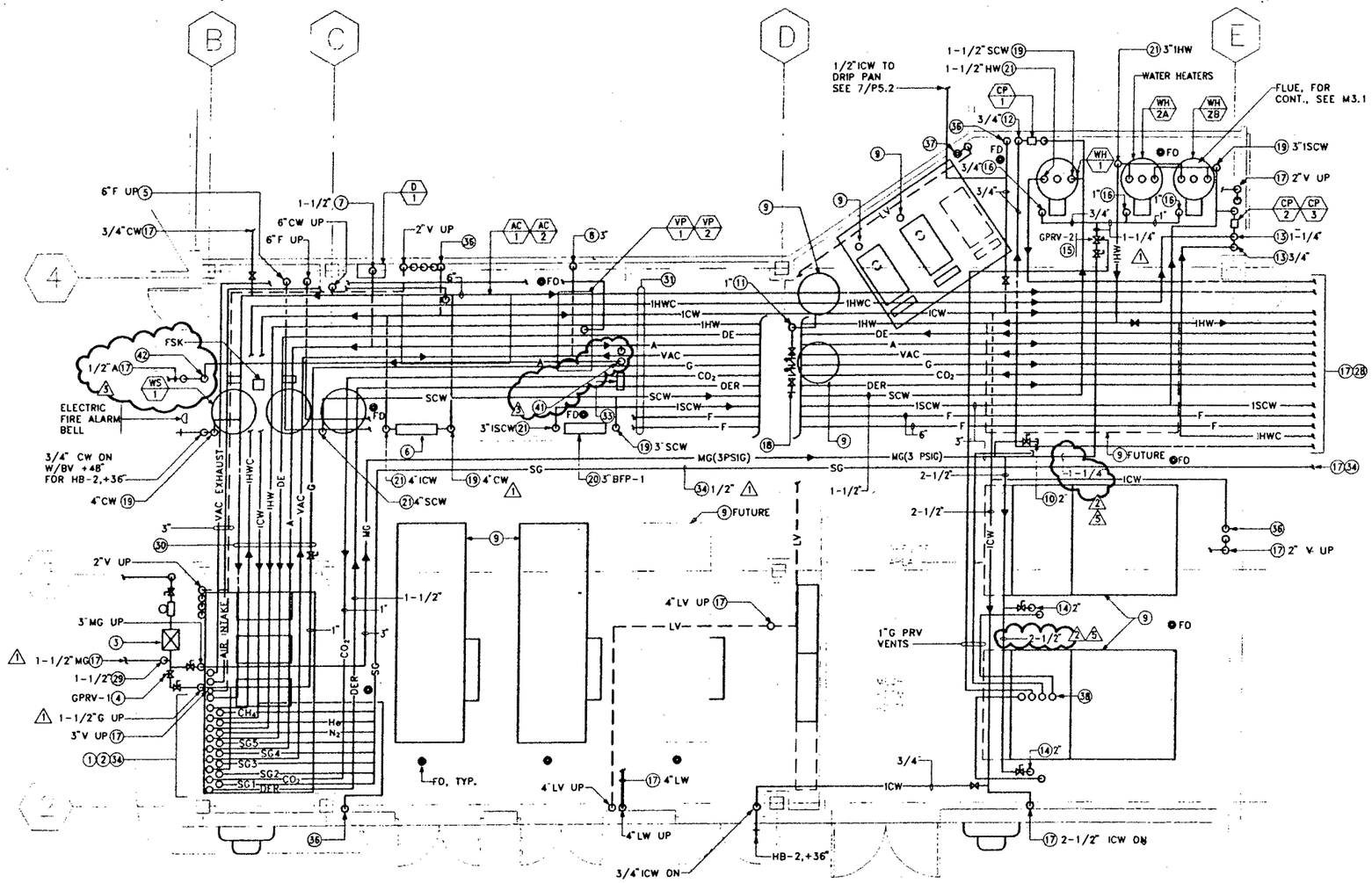
Date 11 APR 91

B1 BULLETIN

Drawing No. P2.3B

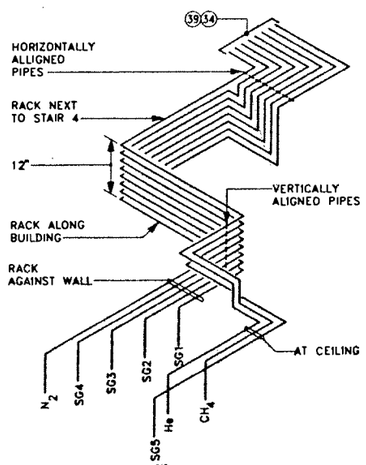
03:48:02 PM

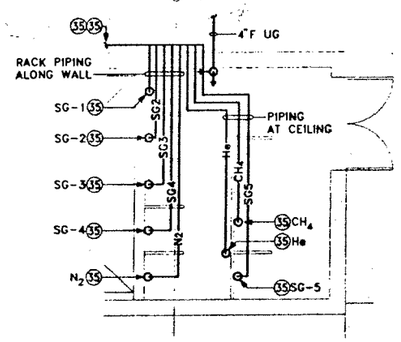
4561; 10-29-91; P2_3B; SY; EL
4561; 8-23-91; LAB2B; EMR



EQUIPMENT ROOM PLAN (1 / P3.1)

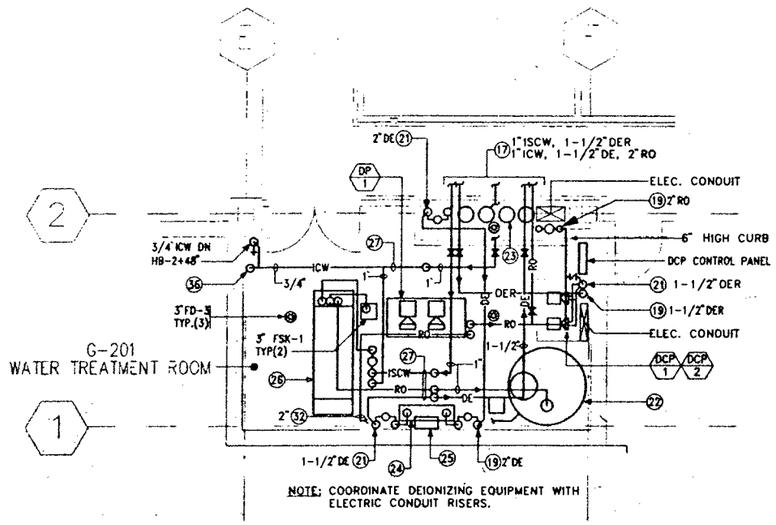
1/4"=1'-0"





CYLINDER STORAGE PLAN & DIAGRAM (3 / P3.1)

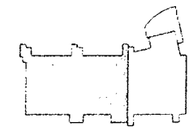
NOT TO SCALE



WATER TREATMENT ROOM (2 / P3.1)

1/4"=1'-0"

KEY PLAN



SHEET NOTES

1. LAB UTILITIES UP TO 1ST FLOOR. FOR CONT., SEE DWG P2.2A.
2. 1-1/2"CW, 1-1/4"IHWC, 3"ICW, 2-1/2"IHW, 1-1/2"DE, 1"A, 2-1/2" VAC. 1-1/4"G, 1"CO2, 1-1/2"DER.
3. GAS METER & REGULATOR ASSEMBLY
   - SPACE HEATING 16,000 CFH
   - WATER HEATING 680 CFH
   - LAB OUTLETS 144 CFH
   - PRESENT LOAD 16,824 CFH
   - SPACE HEATING 8,000 CFH
   - WATER HEATING 680 CFH
   - LAB OUTLETS 144 CFH
   - ADDITIONAL FUTURE 8,824 CFH
4. GAS PRESSURE REGULATOR FOR LAB OUTLETS.
5. FUTURE ADDITION FIRE MAIN.
6. DOM CW TO ICW STATION WITH 3"BFP-1 DEVICE BELOW.
   - PRESENT ICW DEMAND 486 FU
   - FUTURE ICW DEMAND 486 FU
   - TOTAL FLOW 972 FU/21D GPM
7. COMPRESSED SUPPLY UP FROM AIR DRIER.
8. VACUUM SUPPLY DOWN TO VACUUM PUMP.
9. MECHANICAL EQUIPMENT SHOWN HERE FOR REFERENCE ONLY, SEE DWG M3.2.
10. GAS STUB-OUT WITH GAS COCK AND CAPPED FOR FUTURE BOILER. 1" GAS VENT CAPPED.
11. ICW ON TO 1"BFP-1 FOR MECH EQUIPMENT MAKE-UP WATER.
12. DOMESTIC HWC ON TO CIRC PUMP.
13. INDUSTRIAL IHWC ON TO CIRC PUMPS.
14. GAS ON TO BOILER WITH 6" DIRT LEG, GAS COCK (3PSIG). EXTEND 1"GPRV VENT PIPING DOWN. MAKE FINAL CONN TO BOILER GAS TRAIN AND GPRV.
15. GAS PRESSURE REGULATOR, FOR WATER HEATERS.
16. GAS ON TO WATER HEATER WITH GAS COCK +36", 6"DIRT LEG.
17. FOR CONT., SEE DWG. P2.1A.
18. FOR CONT., SEE MECH DWGS.
19. PIPING DOWN TO EQUIPMENT.
20. BACKFLOW PREVENTER FOR SCW TO ISCW SYSTEM.
21. PIPING UP FROM EQUIPMENT.
22. REVERSE OSMOSIS (RO) WATER STORAGE TANK, 60" DIAMETER.
23. MIX BED DEIONIZERS.
24. ULTRA-VIOLET STERILIZER.
25. CONDUCTIVITY MONITOR.
26. REVERSE OSMOSIS UNIT.
27. PIPING UNDER DUCT ENCLOSURE.
28. 1-1/2"HW, 6"CW, 4"ICW, 1-1/2"IHW, 1-1/2"DE, 1-1/4"A, 1-1/2"VAC, 1"G, 1"CO2, 1-1/2"DER, 1"ISCW, 6"F, 6"F, 3/4"IHWC, HWC.
29. MED. PRESSURE GAS DOWN WITH GAS VALVE, NORMALLY CLOSED. GAS PIPING FOR FUTURE ADDITION.
30. 1-1/2"CW, 1-1/4"IHWC, 3"ICW, 2-1/2"IHW, 1-1/2"DE, 1"A, 2-1/2"VAC, 1"G(7"WC).
31. 6"CW, 1-1/4"IHWC, 4"ICW, 2-1/2"IHW, 1-1/2"DE, 1-1/4"A, 1-1/2"VAC, 1"G, 1"CO2, 1-1/2"DER, 1-1/2"SCW, 6"F, 6"F.
32. SUPPORT RO PIPING ABOVE FLOOR FROM RO TANK TO PUMP.
33. LAB WASTE MONITORING TANK CONTROL PANEL.
34. 1/2" SG1, SG2, SG3, SG4, SG5, N2, He, & CH4.
35. 1/2" DOWN TO MANIFOLD ASSEMBLY, GAS SERVICE AS INDICATED. MAKE FINAL CONNECTION.
36. 1/2"ICW DOWN WITH BALL VALVE +48" FOR TRAP PRIMERS. SEE P2.1A FOR CONTINUATION.
37. 2"LW ON, 2"LV UP TO CEILING FOR 4"x2" HUB. HUB FOR 1" DRAIN LINE FROM DRIP PAN.
38. FOUR 1" GAS PRV VENT UP TO FLOOR ABOVE. SEE DWG P2.2A FOR CONT.
40. FOR CONT., SEE DWG P2.1B.
41. 1/2"A DOWN WITH BALL VALVE TO 1/2" 3-WAY SOLENOID VALVE +5'-0", AND 1/2"A UP TO PIPE RACK ABOVE.
42. 1/2"A DOWN AGAINST WALL, TURN AND SLEEVE THRU WALL +6", AND DOWN BELOW SLAB.

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1	ADDENDUM NO. 1	5-15-91
2	INSTRUCTION BULLETIN NO. 1	7-22-91
3	IND WASTE REVIEW	8-26-91
4	BLDG DEPT PLAN CHECK	10-2-91
5	BULLETIN NO. 3	11-11-91

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Southern California Region

PARTIAL PLANS

Scale: 1/4"=1'-0"

Project No. 19210.01

Date 11 APR 91

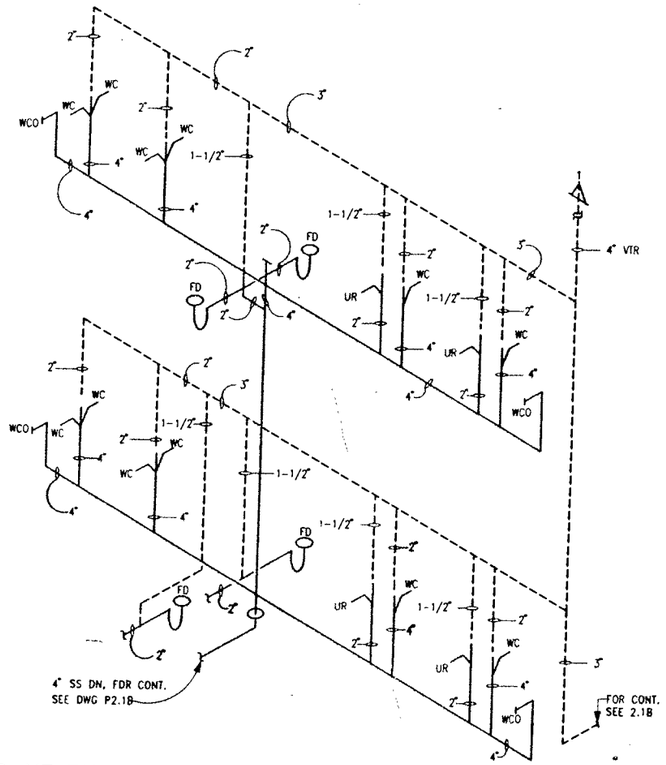
B1 BULLETIN

Drawing No. P3.1

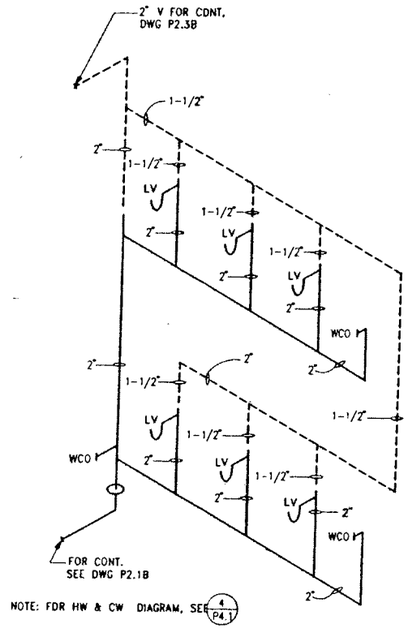
03:47:55 PM

4561; 10-29-91; P3_1; SY; EL
4561; 7-26-90; GROUND; EMR

000827

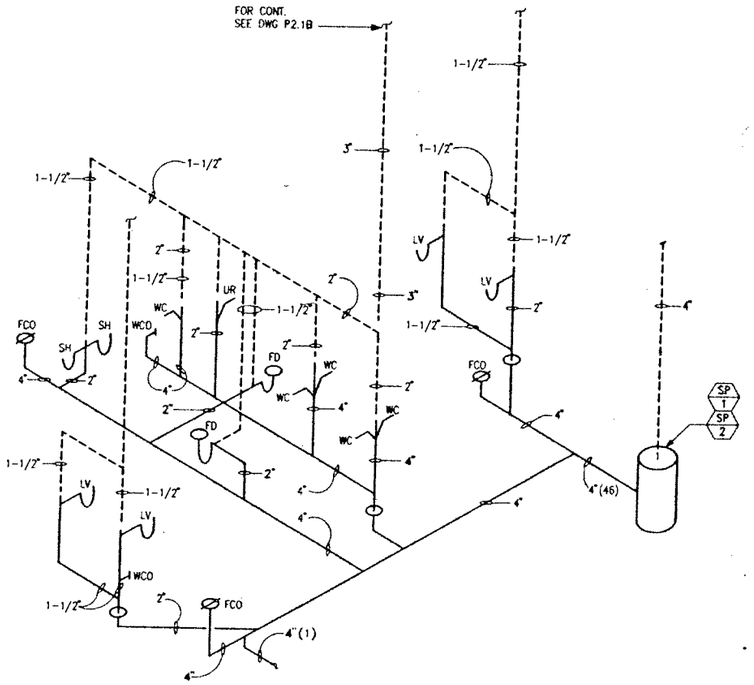


WC, UR RISER - 1ST & 2ND LEVEL (1 / P4.1)
NOT TO SCALE



NOTE: FOR HW & CW DIAGRAM, SEE (4 / P4.1)

LV RISER - 1ST & 2ND LEVEL (2 / P4.1)
NOT TO SCALE



WC, SH & UR RISER - GROUND LEVEL (3 / P4.1)
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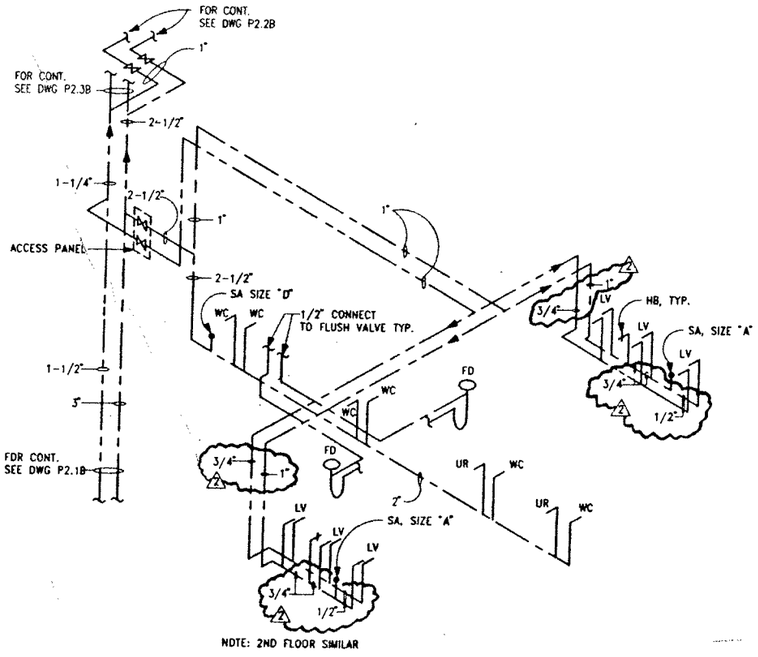
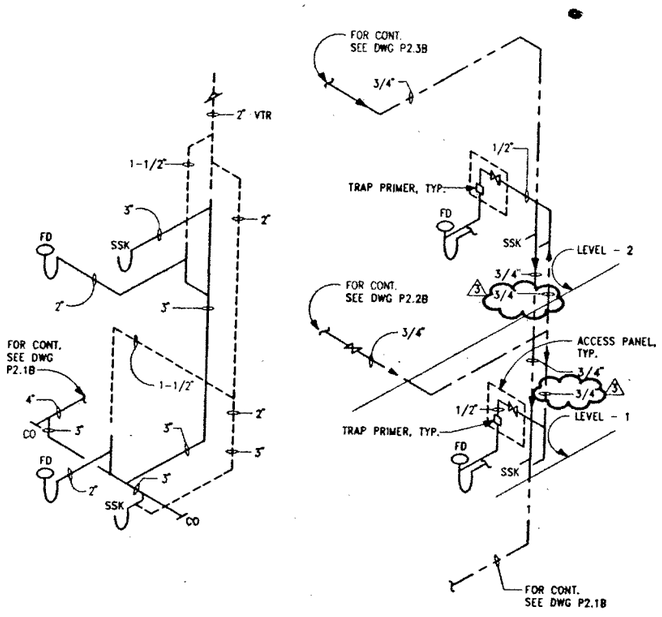


NOTE: 2ND FLOOR SIMILAR

WC, UR & LV RISER (P4.1)
NOT TO SCALE



SSK RISER - 1ST & 2ND LEVEL (5 / P4.1)
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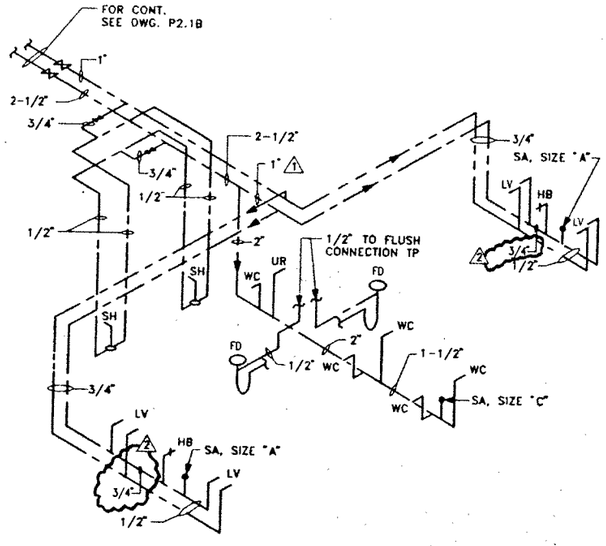

WC, SH, UR & LV RISER (6 / P4.1)
NOT TO SCALE

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Revisions

No.		Date
1	ADDENDUM NO. 1	6-12-91
2	INSTRUCTION BULLETIN NO. 1	7-22-91
3	PLUMBING REVIEW	7-22-91
4	BULLETIN NO. 1	11-11-91

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PLUMBING RISER DIAGRAMS

Scale: NONE

Project No. 19210.01

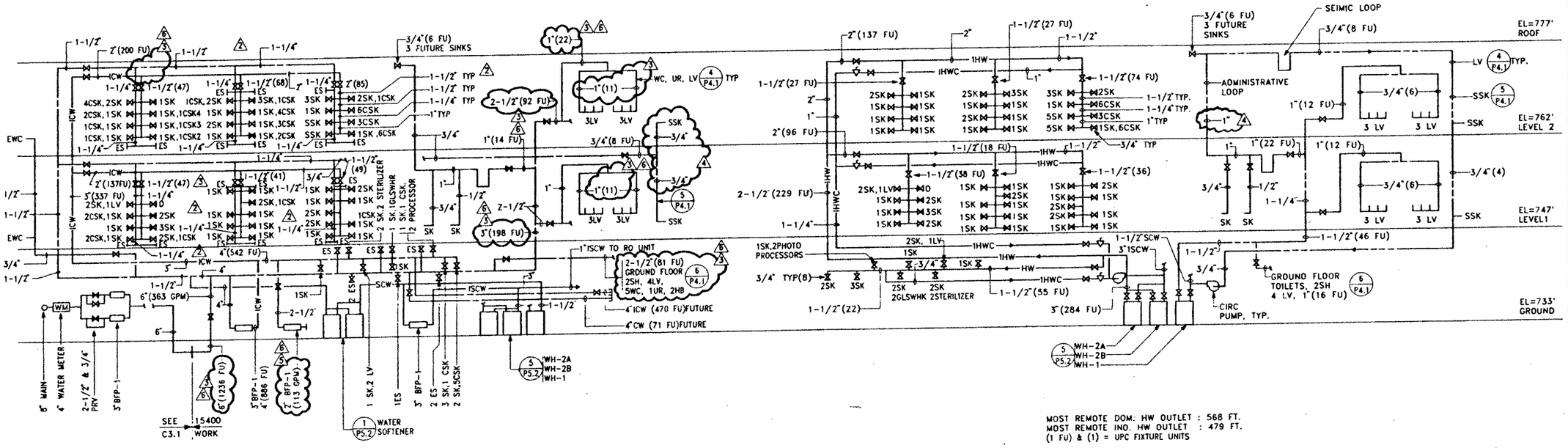
Date 11 APR 91

B1 BULLETIN

Drawing No. P4.1

4561; 10-29-91; P4_1; EL

000825

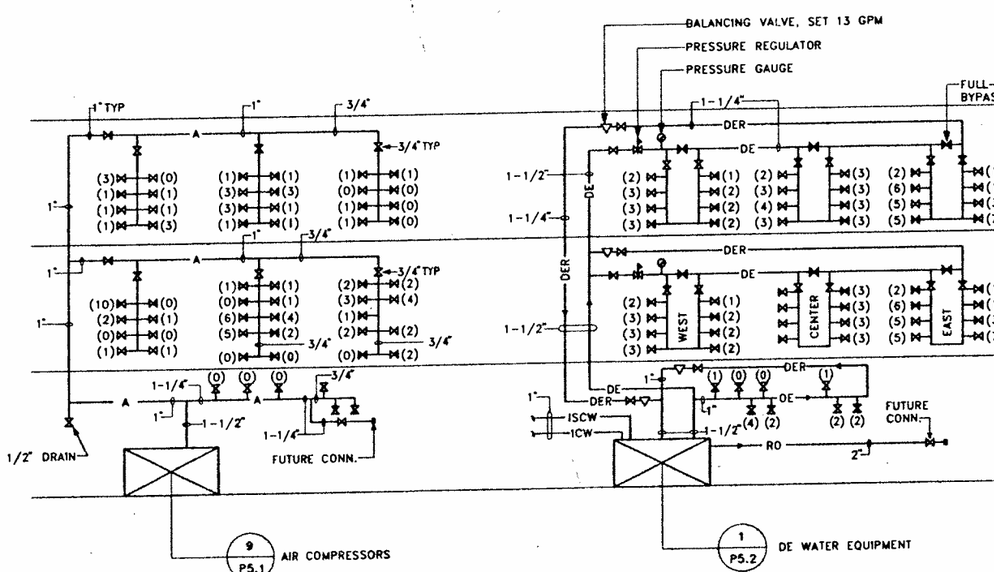


HIGHEST OUTLET ABOVE METER : 25.5 FT.
MOST REMOTE OUTLET FROM METER : 642 FT.
PIPE SIZING BASED ON MAX VELOCITY OF 5 FPS, AND/OR MAX PRESSURE DROP OF 2 PSI/100FT.
BFP-1: WILKINS 575, SIZE AS INDICATED.
(1) & (1FU) = UPC FIXTURE UNITS.

COLD WATER PIPING DIAGRAM 1/P4.2 △1

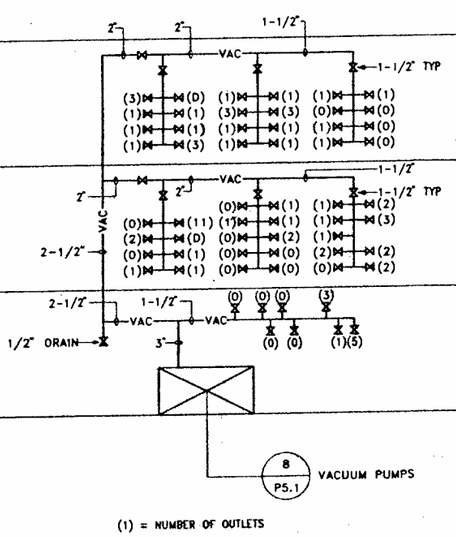
MOST REMOTE DOM. HW OUTLET : 568 FT.
MOST REMOTE INO. HW OUTLET : 479 FT.
(1 FU) & (1) = UPC FIXTURE UNITS

HOT WATER PIPING DIAGRAM 2/P4.2 △1

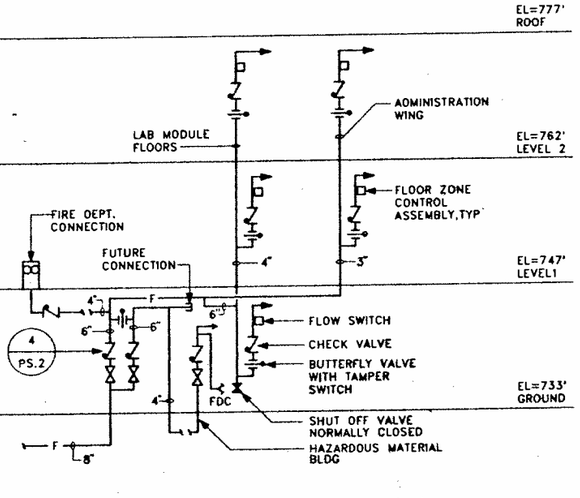


COMPRESSED AIR DIAGRAM 3/P4.2 △1

DEIONIZED WATER SYSTEM 4/P4.2 △1



VACUUM DIAGRAM 5/P4.2 △1



FIRE PROTECTION DIAGRAM 6/P4.2

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4	PLUMBING REVIEW	8-26-91
5	BLDG DEPT PLAN CHECK	10-2-91
6	BULLETIN NO. 1	11-11-91

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PLUMBING RISER DIAGRAMS

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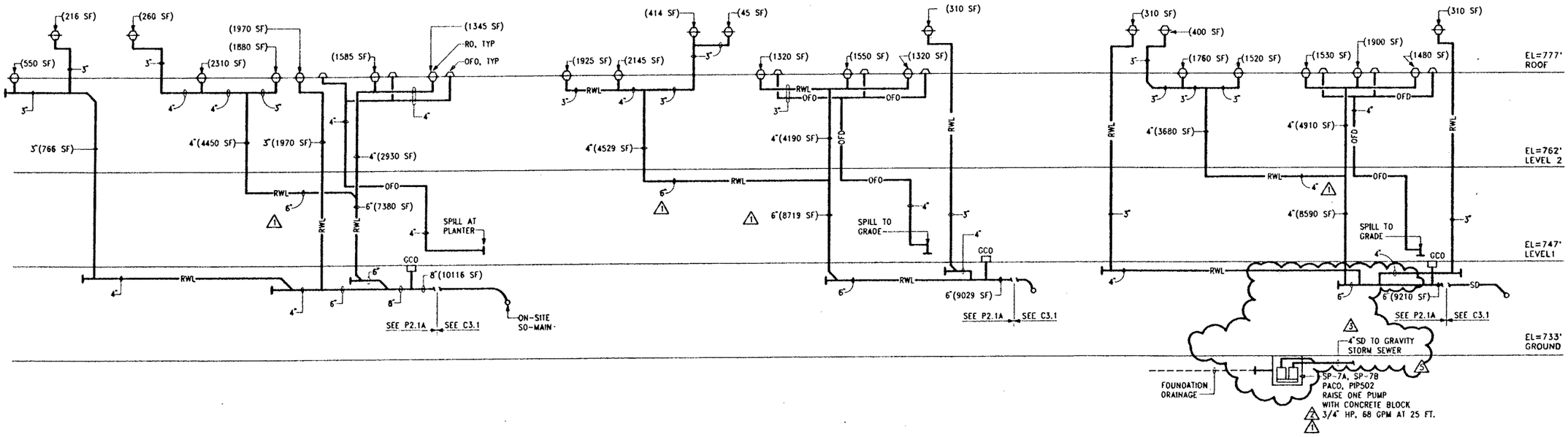
B1 BULLETIN

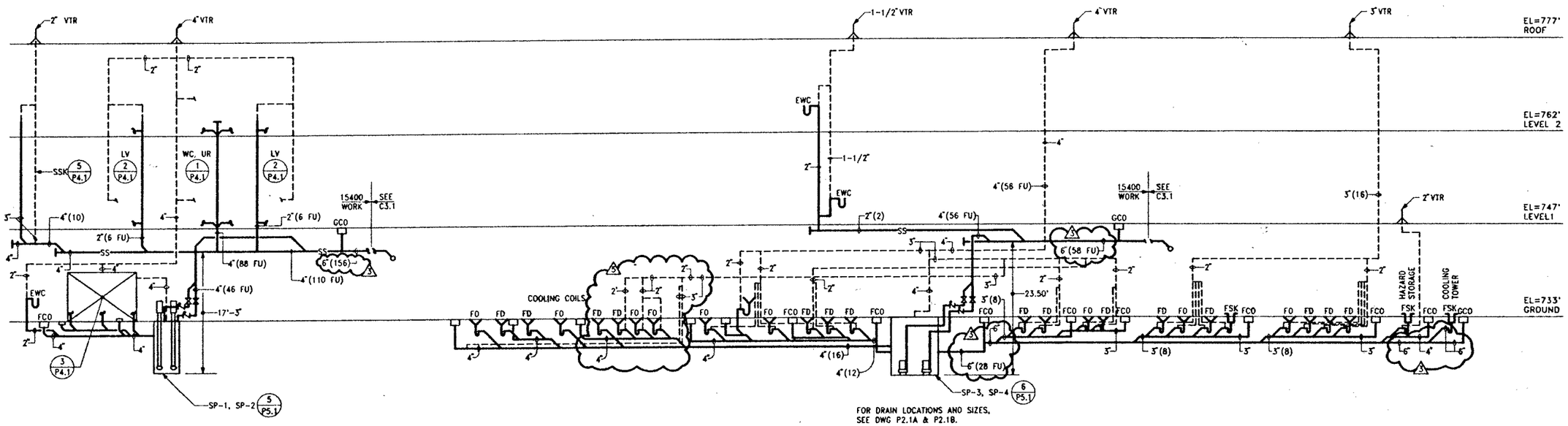
Drawing No. P4.2



EAST MODULE 1 P4.3

CENTER MODULE 2 P4.3

WEST MODULE 3 P4.3



EAST MODULE - SAN SEWER 4 P4.3

WEST MODULE - SAN. SEWER 5 P4.3

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No.		Date
1	ADDENDUM NO. 1	5-15-91
2	PLAN CHECK REVIEW	6-25-91
3	INSTRUCTION BULLETIN NO. 1	7-22-91
5	BULLETIN NO. 1	11-11-91

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PLUMBING RISER DIAGRAMS

Scale: NONE

Project No. 19210.01

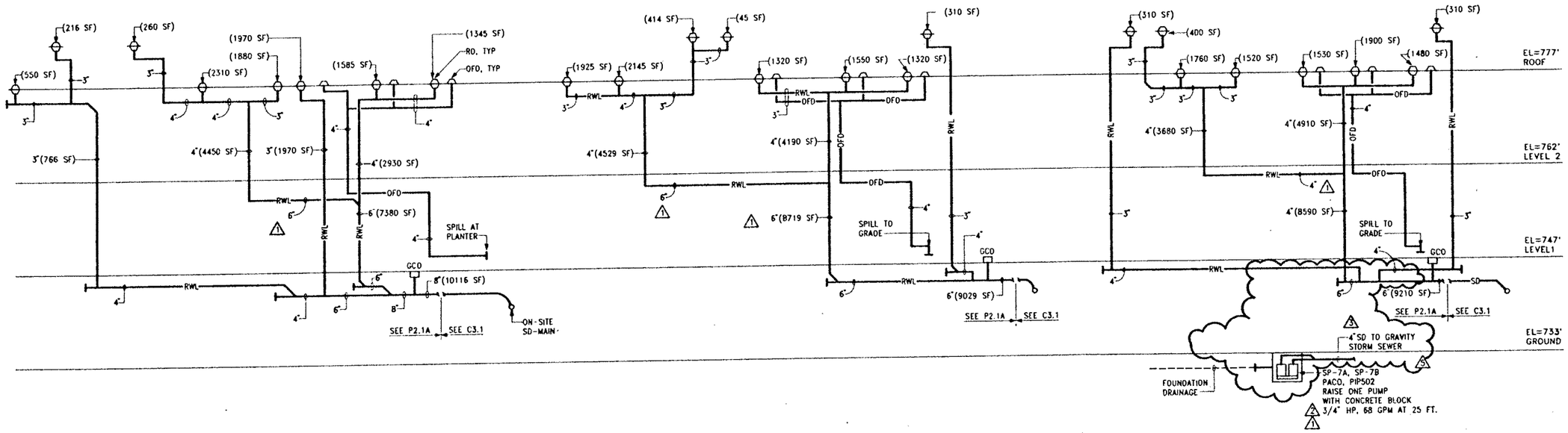
Date 11 APR 91

B1 BULLETIN

Drawing No. P4.3

4561; 11-4-91; P4_3; SY; EL

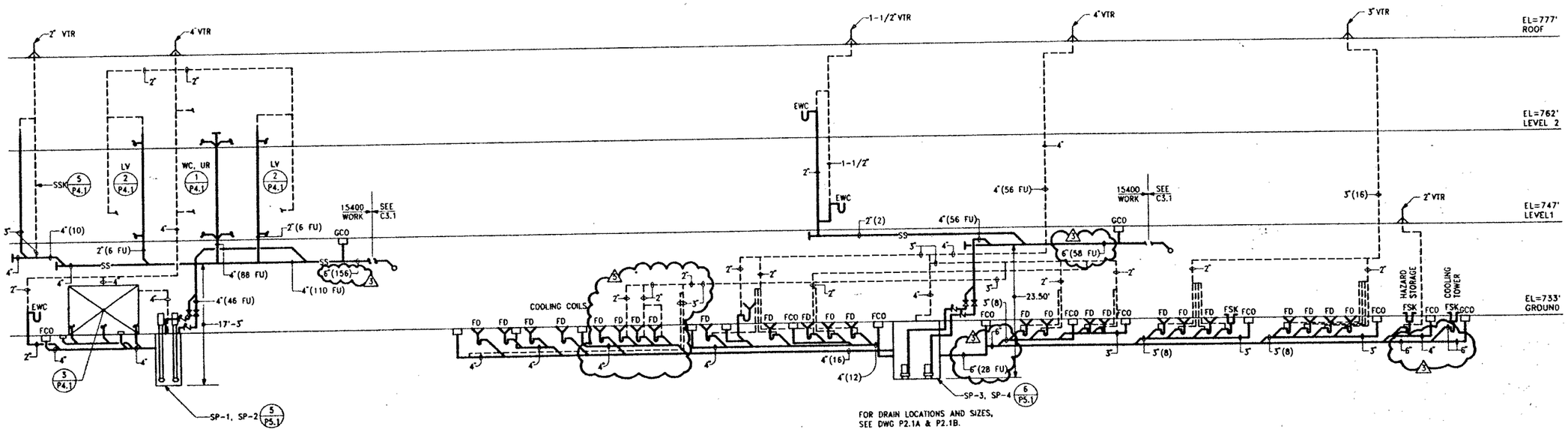
000830



EAST MODULE 1 P4.3

CENTER MODULE 2 P4.3

WEST MODULE 3 P4.3



FOR DRAIN LOCATIONS AND SIZES, SEE DWG P2.1A & P2.1B.

EAST MODULE - SAN SEWER 4 P4.3

WEST MODULE - SAN. SEWER 5 P4.3 1

03:45:13 PM

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Revisions

No.		Date
1	ADDENDUM NO. 1	5-15-91
2	PLAN CHECK REVIEW	6-25-91
3	INSTRUCTION BULLETIN NO. 1	7-22-91
4	BULLETIN NO. 1	11-11-91

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood-Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

PLUMBING RISER DIAGRAMS

Scale: NONE

Project No. 19210.01

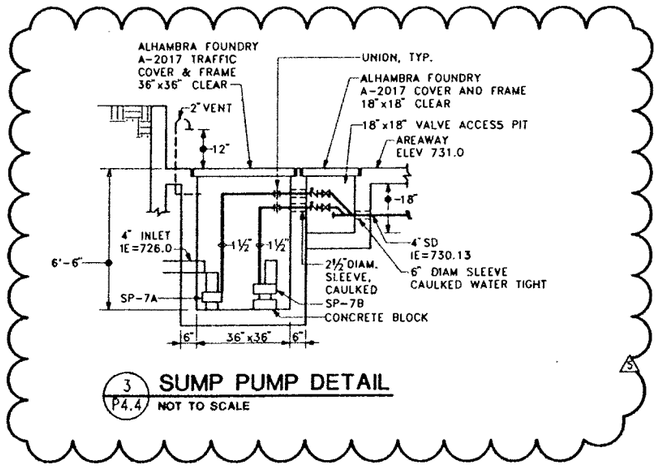
Date 11 APR 91

B1 BULLETIN

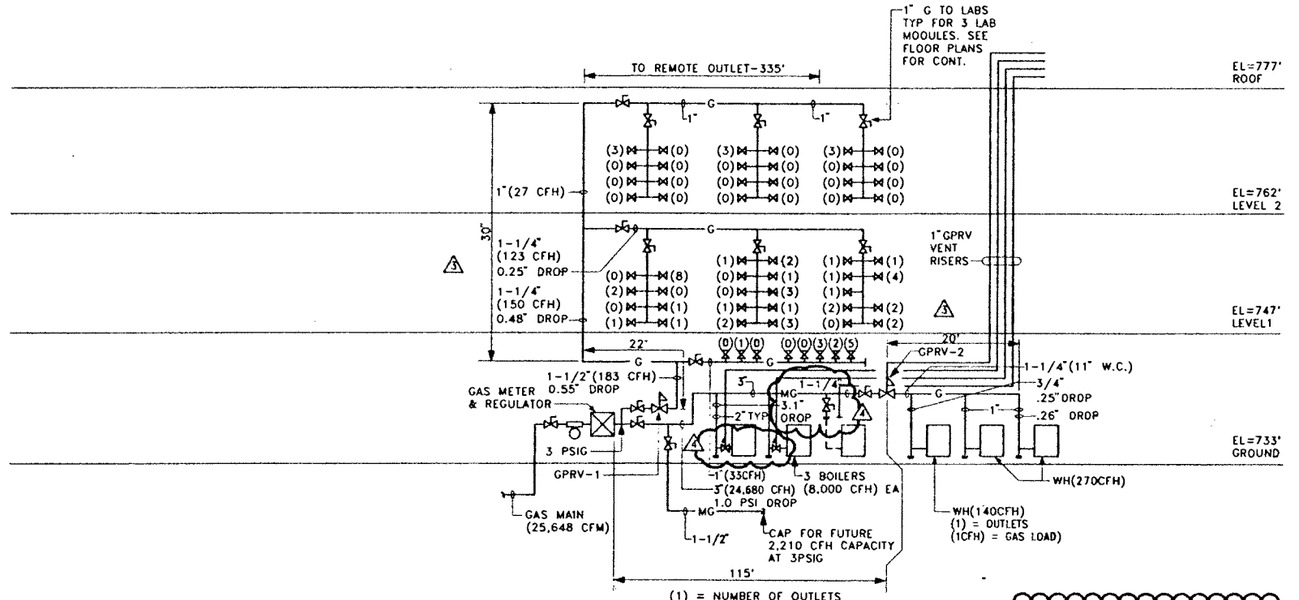
Drawing No. P4.3

4561; 11-4-91; P4_3; SY; EL

000831



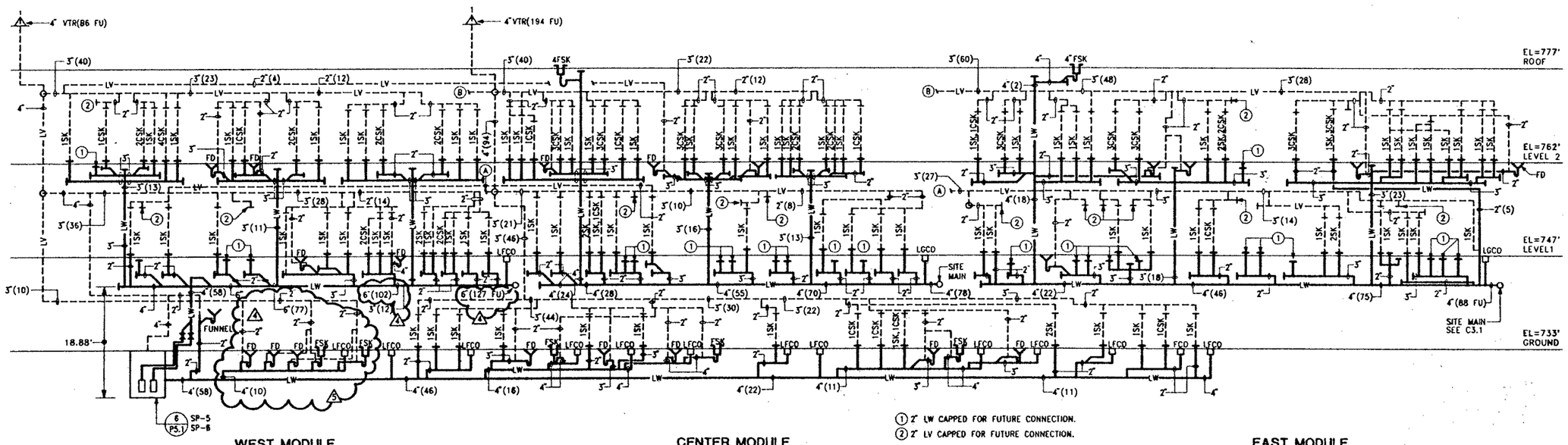
3 / P4.4 **SUMP PUMP DETAIL**
NOT TO SCALE



3 (1) = NUMBER OF OUTLETS
(CFH) = GAS LOAD
METER TO GPRV-2: 115 FT.
GPRV-1 TO LAST OUTLET: 400 FT RUN

2 GPRV-1: ROCKWELL 043-182, 1/2"X1/2" SIZE, 1/4" ORIFICE, MAX. 270 CFH.
GPRV-2: ROCKWELL 243-8-2, 1-1/4" SIZE, 1/2" ORIFICE, MAX. 1350 CFH. AT 2 PSI, SET POINT 11" W.C.

GAS PIPING DIAGRAM 1 / P4.4 1



WEST MODULE — CENTER MODULE — EAST MODULE

1 2" LW CAPPED FOR FUTURE CONNECTION.
2 2" LV CAPPED FOR FUTURE CONNECTION.

LAB WASTE PIPING DIAGRAM 2 / P4.4 1

03:44:50 PM

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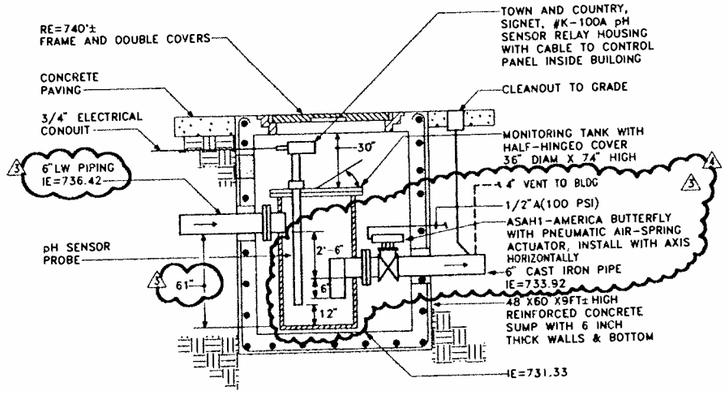
PLUMBING
RISER DIAGRAMS

Scale: NONE

Project No. 19210.01
Date 11 APR 91
B1 BULLETIN
Drawing No. P4.4

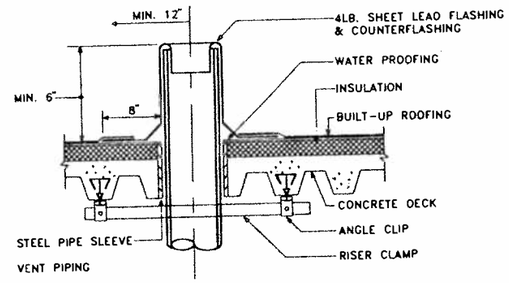
4561; 11-4-91; P4_4; SY; EL

000832



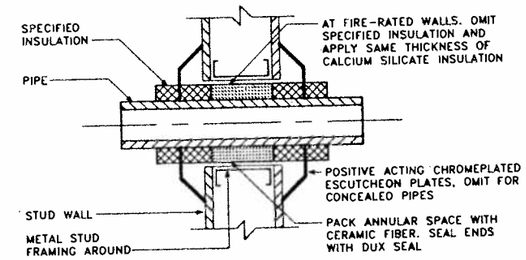
MONITORING TANK DETAIL (7 / P5.1)

NOT TO SCALE



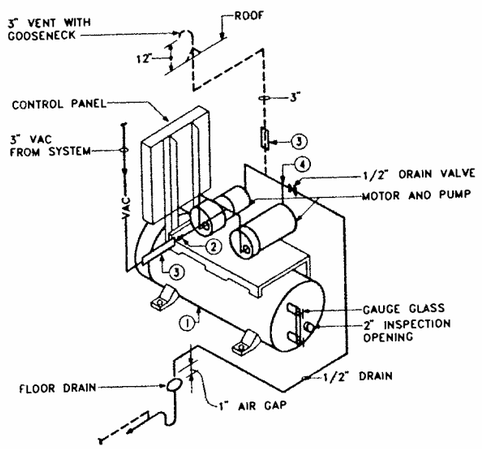
VENT THROUGH ROOF (4 / P5.1)

NOT TO SCALE



PIPE THRU STUD WALL (1 / P5.1)

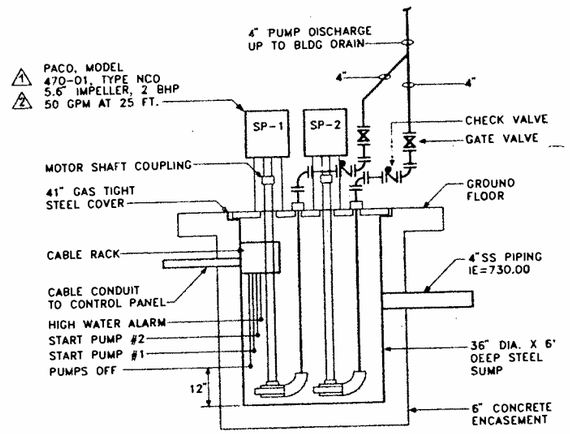
NOT TO SCALE



① 24" X 69" RECRIVER TANK.
② 3" BALL VALVE FURNISHED AND INSTALLED ON VACUUM PUMP.
③ 13" LONG X 3" FLEXIBLE CONNECTION FURNISHED WITH UNIT.
④ DISCHARGE MANIFOLD FURNISHED WITH UNIT. MAKE FINAL CONNECTION AND PROVIDE FLEXIBLE CONNECTION.

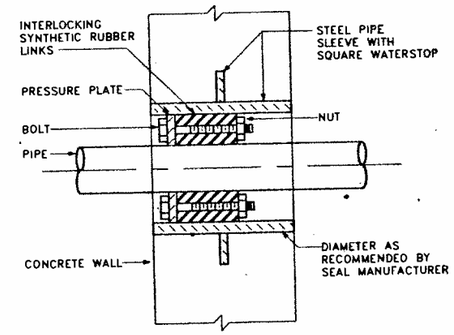
VACUUM PUMP DETAIL (8 / P5.1)

NOT TO SCALE



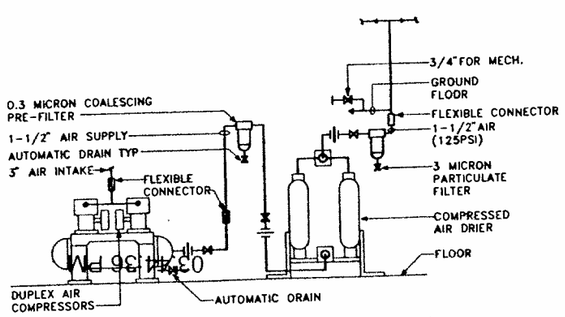
SEWAGE EJECTOR DETAIL (5 / P5.1)

NOT TO SCALE



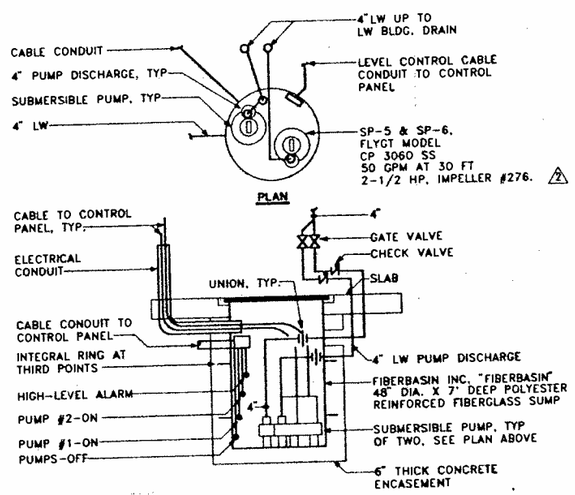
WALL PENETRATION DETAIL (2 / P5.1)

NOT TO SCALE



COMPRESSED AIR DIAGRAM (9 / P5.1)

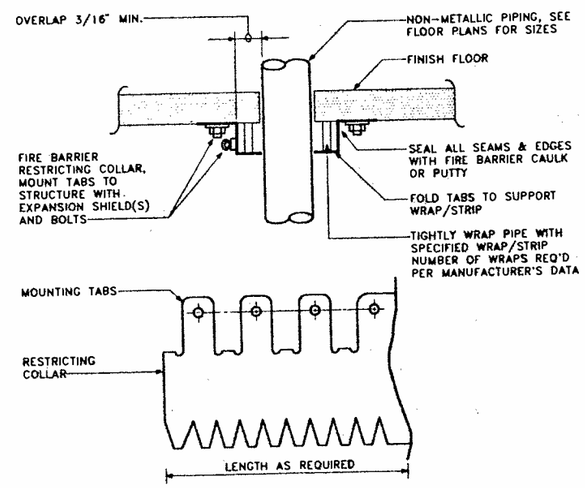
NOT TO SCALE



NOTE: SP-3, SP-4 SAN. SEWER PUMPS ARE SIMILARLY ARRANGED. SP-3 & SP-4 ARE PACO MODEL PIP 525.

LAB WASTE EJECTOR DETAIL (6 / P5.1)

NOT TO SCALE



NOTES:
1. FOR SPECIFIC INSTALLATION REQUIREMENTS, SEE MANUFACTURER'S DATA.
2. THIS DETAIL APPLIES ONLY TO NON-METALLIC PIPING PENETRATIONS.

FLOOR PENETRATION DETAIL (3 / P5.1)

NOT TO SCALE

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3	IND WASTE REVIEW	8-26-91
4	BULLETIN NO. 1	11-11-91

Regional Reference Laboratory
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North Hollywood-Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

PLUMBING DETAILS

Scale: None

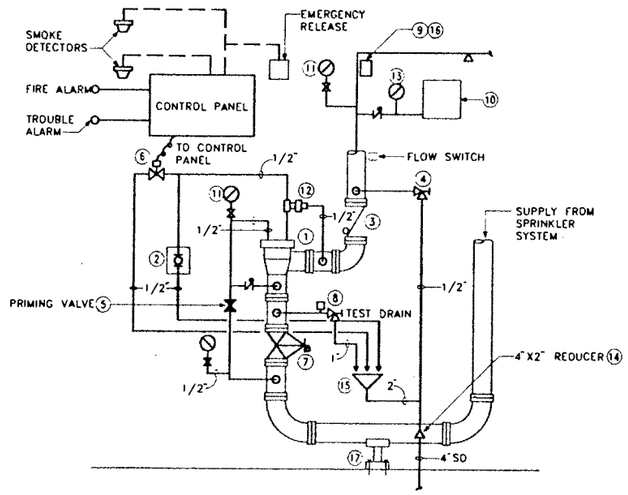
Project No. 19210.01

Date 11 APR 91

B1 BULLETIN

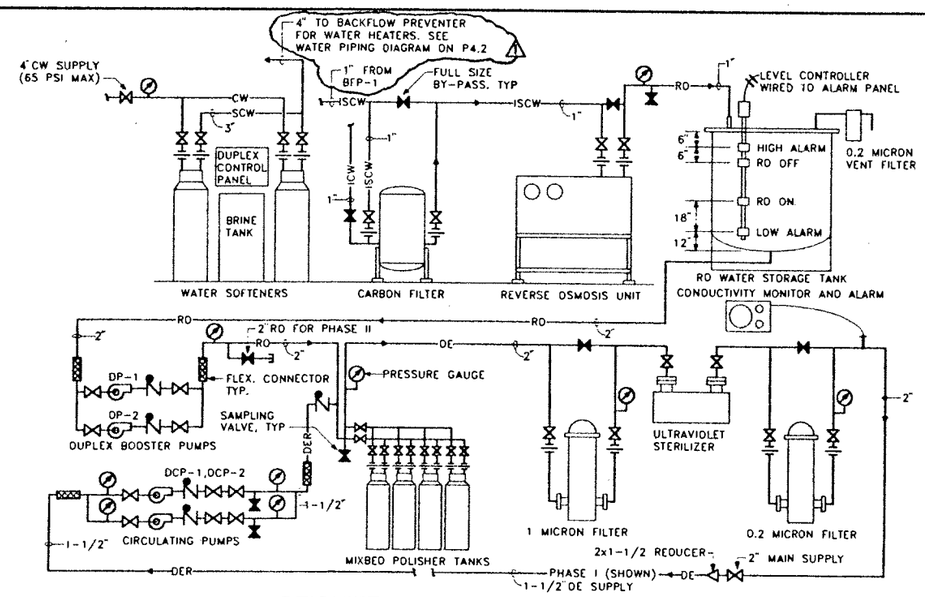
Drawing No. P5.1

000833

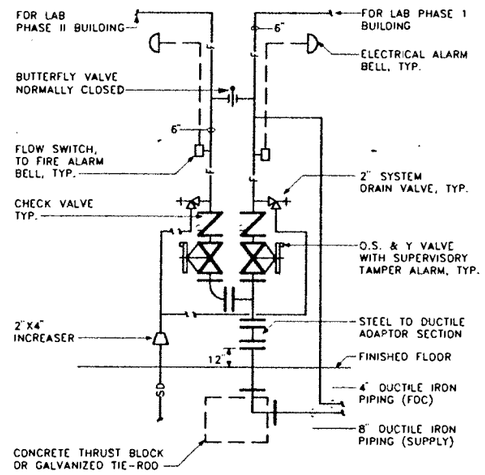


1. DELUGE VALVE.
2. MANUAL RELEASE VALVE IN BOX.
3. RUBBER SEAT CHECK VALVE.
4. SYSTEM MAIN DRAIN VALVE.
5. BALL VALVE, NORMALLY CLOSED.
6. SOLENOID VALVE (ACTIVATE BY DETECTORS).
7. SUPERVISORY SWITCH.
8. FIRE ALARM PRESSURE SWITCH.
9. DUAL STAGE SPOT EA STAGE, SQUARE D, CLASS 9012, TYPE DCW-5 NEMA 13, SERIES B, STAGE 1-10 PSI, STAGE 2-45 PSI.
10. AIR COMPRESSOR PANEL & CONTROL.
11. PRESSURE GAUGE AND GAUGE COCK: 0-300PSI.
12. PRESSURE OPERATED RELIEF VALVE.
13. PRESSURE GAUGE AND GAUGE COCK: 0-100PSI.
14. CONNECT TO 4"SO STUB-UP PROVIDED UNDER SECTION 15400 WORK.
15. 4"X2" REDUCER.
16. MAINTENANCE ALARM-WIRE TO FIRE CONTROL PANEL.
17. HALF STEEL PIPE WELDED ONTO 2"SIZE PIPE STANCHION WITH 1/4"THICK 4"X4" PLATE. BOLT ONTO FLOOR WITH 4-3/8"X1-1/2" EXPANSION BOLTS.

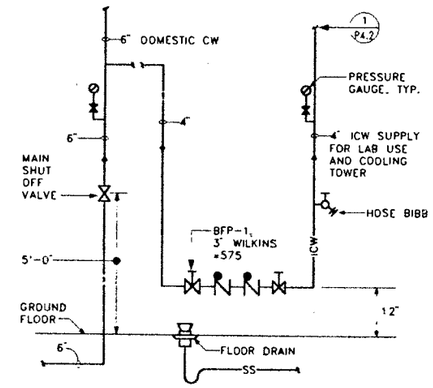
PREACTION CONTROL DIAGRAM (6 / P5.2)
NOT TO SCALE



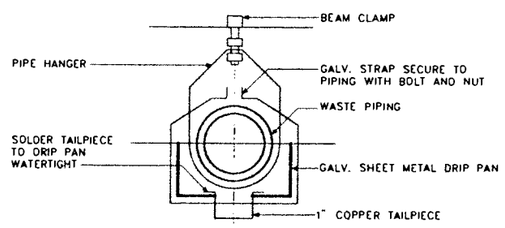
DEIONIZED WATER PIPING DIAGRAM (1 / P5.2)
NOT TO SCALE



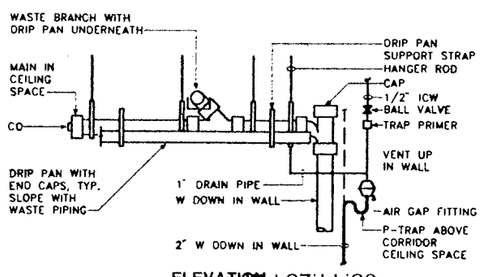
WET PIPE SPRINKLER RISER (4 / P5.2)
NOT TO SCALE



CW/ICW WATER DETAIL (2 / P5.2)
NOT TO SCALE

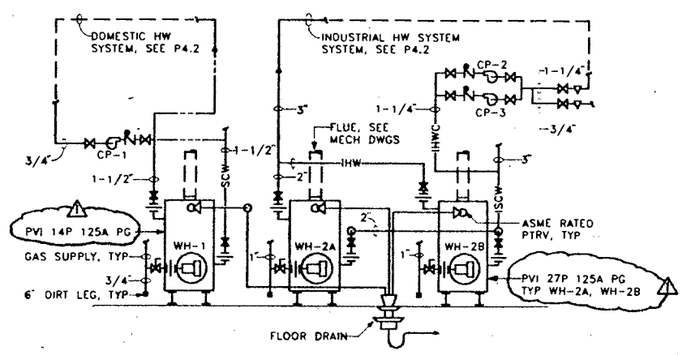


PLAN

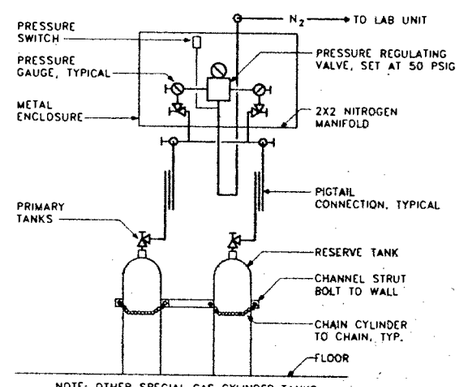


ELEVATION

DRIP PAN DETAIL (7 / P5.2)
NOT TO SCALE



WATER HEATER PIPING DIAGRAM (5 / P5.2)
NOT TO SCALE



NOTE: OTHER SPECIAL GAS CYLINDER TANKS ARE SIMILAR GAS CYLINDER ARE OWNER INSTALLED.

NITROGEN GAS TANK DETAIL (3 / P5.2)
NOT TO SCALE

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Revisions

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Regional Reference Laboratory
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Southern California Region

PLUMBING DETAILS

Scale: None

Project No. 19210.01

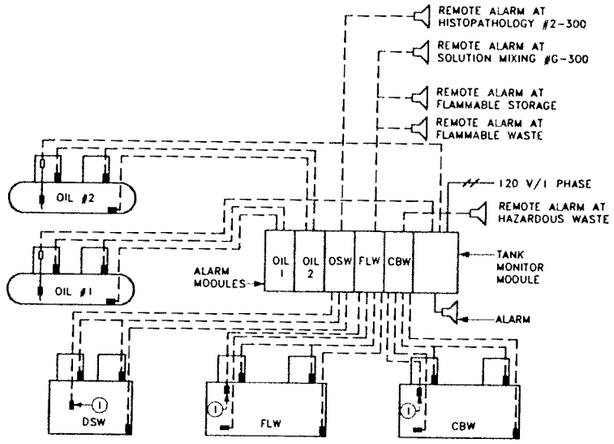
Date 11 APR 91

A ADDENDUM

Drawing No. P5.2

4561; 4-26-91; P5.2; SY

000834

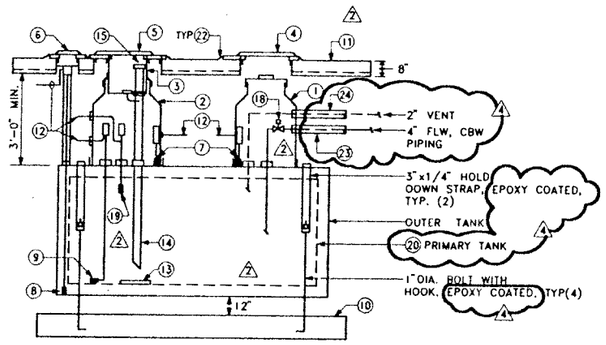


NOTES :

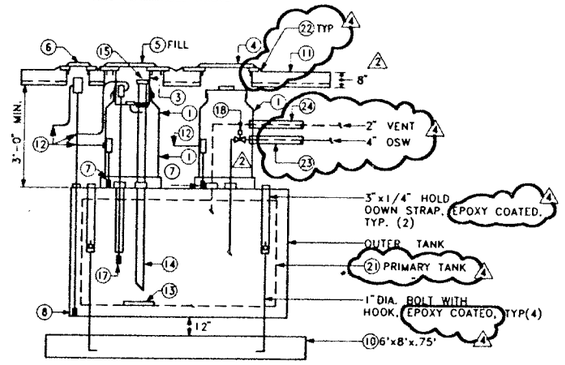
1. LEVEL SENSOR SHALL ACTIVATE ALARM MODULE AND SEND SIGNAL TO REMOTE ALARM. ALARM MODULE SHALL ALSO ACTIVATE SOLENOID VALVE ON AIR LINE TO ENERGIZE CLOSING OF PNEUMATIC VALVE ON INLET TO TANK.
2. SOLENOID VALVE : ASCO, NORMALLY CLOSED, 1/2" THREE-WAY BRASS VALVE, ENERGIZE TO OPEN, DE-ENERGIZE TO CLOSE, 12 VDC ELECTRICAL POWER FROM PANEL.

TANK MONITORING DIAGRAM (3/P5.3)

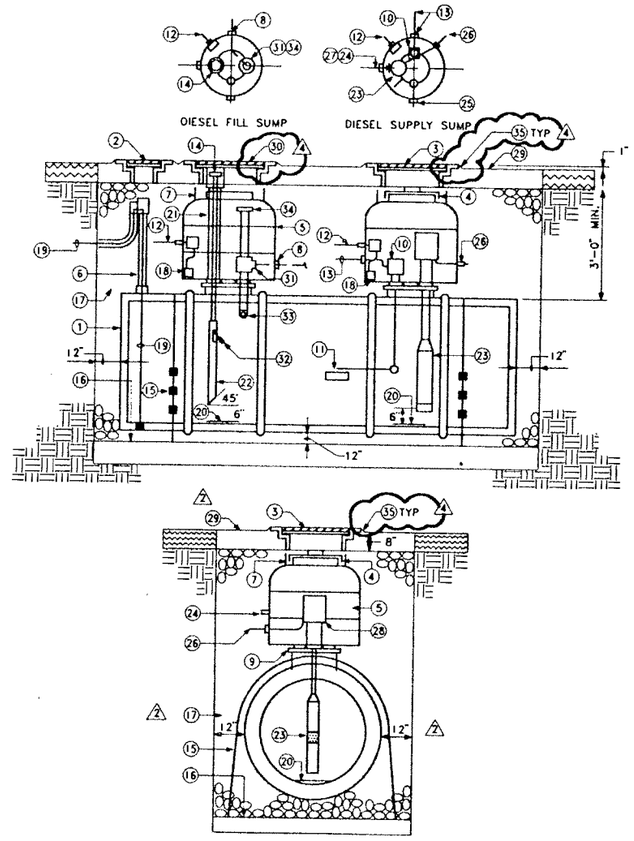
NOT TO SCALE



NOTE : DETAIL TYPICAL FOR COMBUSTIBLE WASTE AND FLAMMABLE WASTE.



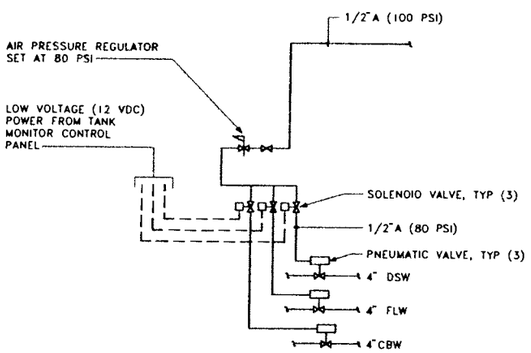
SUMP SINK WASTE TANK



1. 25" DIA. MANWAY.
2. 43" DIA. MANWAY.
3. SECONDARY CONTAINMENT SUMP.
4. ALHAMBRA FOUNDRY A-1521-B, WATERTIGHT, 24" COVER AND FRAME. (H20 LOAD).
5. CNI MANUFACTURING 239 DG-271FIL-SPIL CONTAINMENT BOX, 36" COVER, 5 GAL CAPACITY.
6. ALHAMBRA FOUNDRY A-1268B, WATERTIGHT, 12" COVER & FRAME. (H20 LOAD).
7. PIPE SUMP LEAK DETECTION SENSOR.
8. ANNULAR SPACE LEAK SENSOR.
9. MOISTURE SENSOR.
10. 11 FT. x 12 FT. x 15 IN THICK HOLD DOWN SLAB WITH NO.6 BARS 12" O.C. BOTH DIRECTION. UNLESS NOTED OTHERWISE.
11. 8" THICK TOP SAND WITH NO.6 BARS 12"O.C. BOTH DIRECTION. PART OF TANK FARM SLAB. SEE P1.1 FOR SIZE. EXTEND 12" BEYOND FOOT PRINT OF TANK.
12. DETECTION CABLE INSIDE ELECTRIC CONDUIT.
13. BOTTOM PROTECTOR PLATE.
14. 4" DIA. SCH 40 PVC PIPE FOR PUMP OUT.
15. REMOVABLE CAP.
16. BACKFILL WITH PEA GRAVEL MIN. 12" ALL AROUND TANK.
17. LEVEL SENSOR SET HALF WAY WITH STILL WELL.
18. R & G SLOANE UNION BALL WITH PNEUMATIC, ACTUATOR, SPRING TO OPEN, NPT AIR CONNECTION, 80 PSI AIR TO CLOSE.
19. LEVEL SENSOR SET AT 90% VOLUME LEVEL.
20. JOOR "PLASTEEL", 3000 GAL COMPOSITE DOUBLE WALL TANK, INNER EPOXY COATED STEEL TANK, WITH OUTER FIBERGLASS TANK.
21. JOOR "PLASTEEL", 500 GAL COMPOSITE DOUBLE WALL TANK, SIMILAR TO 3000 GAL TANK ABOVE.
22. SLOPE CONCRETE AWAY FROM MANHOLES AND SERVICE OPENINGS.
23. 4" PRIMARY PIPING WITH A.O. SMITH 6" SECONDARY PIPE. A.O. SMITH RED THREAD II).
24. 2" PRIMARY VENT PIPING WITH 4" SECONDARY PIPE. (A.O. SMITH RED THREAD II).

DIESEL FUEL OIL TANK NOTES:

1. JOOR "ELUTRON", 15,000 GAL DOUBLE WALL FIBERGLASS STORAGE TANK.
2. ALHAMBRA FOUNDRY A-2093 12" MANHOLE AND FRAME. (H20 LOAD)
3. ALHAMBRA FOUNDRY 1520-B, WATERTIGHT 36" COVER AND FRAME (H20 LOAD)
4. 32" STEEL COVER MANWAY.
5. 42" DIA. FIBERGLASS PIPING SUMP.
6. 4" GALV. STEEL RISER WITH PLUG ON TOP OF TEE.
7. 15" FIBERGLASS SKIRT.
8. 4" PRIMARY TANK VENT CONNECTION WITH 2" VENT PIPING.
9. 22" MANWAY COVER WITH THREE 4" PIPE CONNECTION.
10. HYDRAULLIC LIQUID LEVEL TRANSMITTER WITH 2" SUMP CONNECTION.
11. FLOAT AND ARM ASSEMBLY.
12. TRANSMITTER CABLE INSIDE OF 3/4" CONDUIT.
13. HYDRAULLIC LIQUID LEVEL GAUGE TUBING IN CONDUIT, 1" SUMP CONNECTION.
14. TANK INLET FILL CAP.
15. HOLD DOWN STRAP WITH TURNBUCKLE, EPOXY COATED.
16. 32'X12'X12' THICK HOLD DOWN REINFORCED CONCRETE SLAB, NO.6 BARS BOTH DIRECTIONS.
17. PEA GRAVEL BACKFILL, TYPICAL 12" ALL AROUND TANK.
18. PIPING SUMP MONITOR WITH TRANSMITTER CABLE UP TO JUNCTION BOX.
19. OUTER TANK LEAK DETECTION CABLE, AND SENSOR.
20. TANK BOTTOM PROTECTOR.
21. 4" FILL PIPING AND SUMP CONNECTION.
22. 3" ALUMINUM FILL PIPE WITH 45° BEVELED END.
23. SUBMERSIBLE PUMP (EMERGENCY GENERATOR)
24. 1" FOS PRIMARY PIPING WITH 4" SECONDARY PIPE SUMP CONNECTION. (SCH 40 BLACK STEEL, RED THREAD II).
25. 1" FOR PRIMARY PIPING WITH 4" SECONDARY PIPE SUMP CONNECTION. (SCH 40 BLACK STEEL, RED THREAD II).
26. SUMERSIBLE PUMP POWER CABLE IN CONDUIT WITH 1" SUMP CONNECTION.
27. SUBMERSIBLE PUMP DISCHARGE MANIFOLD ASSEMBLY.
28. SUBMERSIBLE PUMP HOUSING.
29. TOP SLAB, 8" THICK REINFORCED CONCRETE SLAB WITH NO.6 BARS 12" ON CENTER, BOTH DIRCTIONS. PART OF TANK FARM TOP SLAB. SEE P1.1 FOR SIZE.
30. CNI MANUFACTURING 239-DG-271 WITH 5 GAL CAPACITY FILL-SPILL CONTAINMENT SUMP.
31. OPW 233-V EXTRACTOR FITTING.
32. OPW 61-SO OVERFILL PROTECTION VALVE, AND FILL TUBE.
33. OPW 53-VML FLOAT VENT VALVE.
34. OPW 116 4" PIPE CAP.
35. SLOPE CONCRETE AWAY FROM MANHOLES & SERVICE OPENINGS.



TANK INLET CONTROL DETAIL (4/P5.3)

NOT TO SCALE

HOLDING TANK DETAIL (2/P5.3)

NOT TO SCALE

DIESEL FUEL STORAGE TANK DETAIL (1/P5.3)

NOT TO SCALE

03:44:17 PM

4561; 10-29-91; P5_3; SY; EL

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Revisions

No.		Date
1	ADDENDUM NO. 1	5-15-91
2	ADDENDUM NO. 2	6-12-91
3	PLAN CHECK REVIEW	6-25-91
4	UGT REVIEW	8-26-91
5	BULLETIN NO. 1	11-11-91

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PLUMBING DETAILS

Scale: None

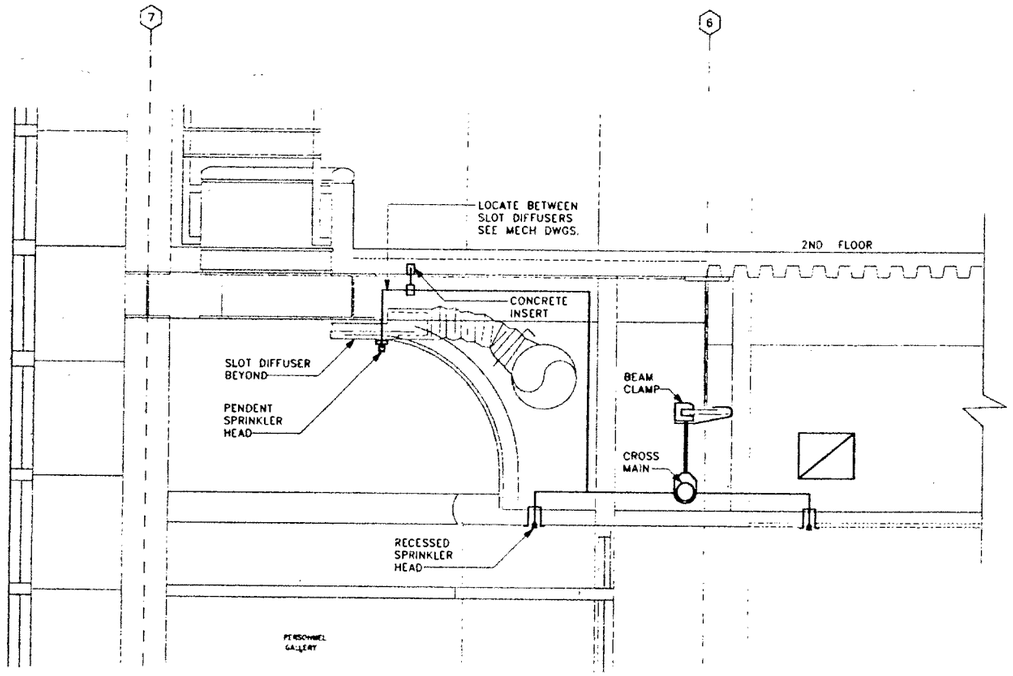
Project No. 19210.01

Date 11 APR 91

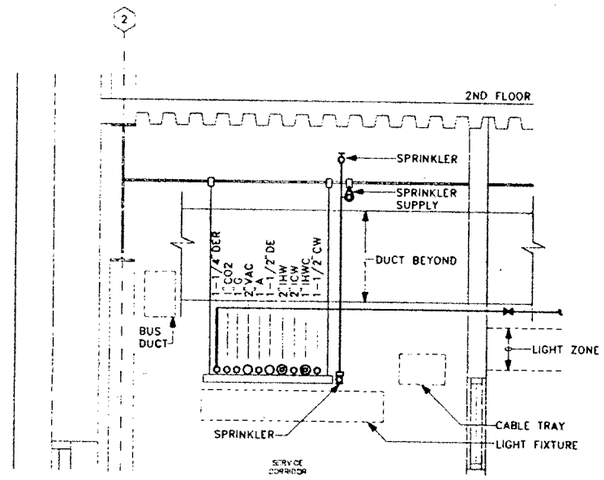
B1 BULLETIN

Drawing No. P5.3

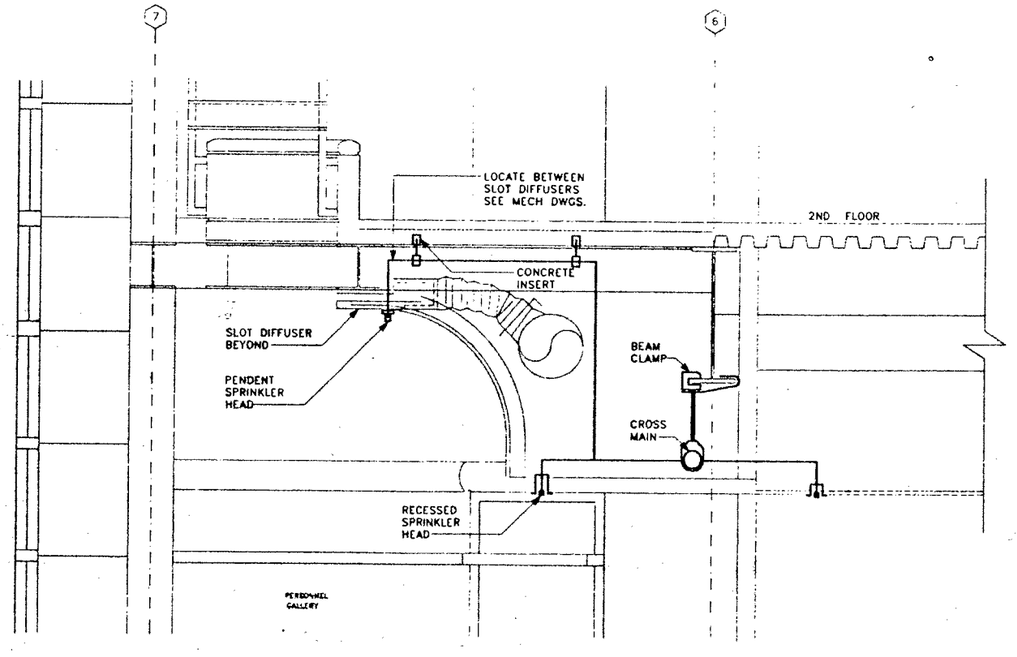
000835



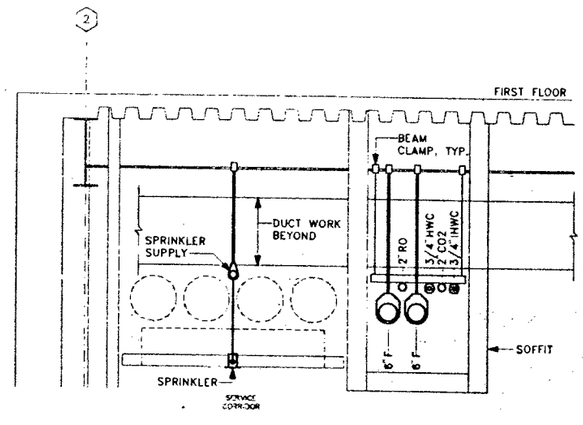
FIRST FLOOR SECTION (3 / P6.1)
SCALE : 3/4" = 1'-0"



TYPICAL CORRIDOR SECTION (1 / P6.1)
SCALE : 3/4" = 1'-0"



FIRST FLOOR SECTION (4 / P6.1)
SCALE : 3/4" = 1'-0"



GROUND FLOOR SECTION ON LINE F (2 / P6.1)
SCALE : 3/4" = 1'-0"

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Revisions

No.	Date

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SECTIONS

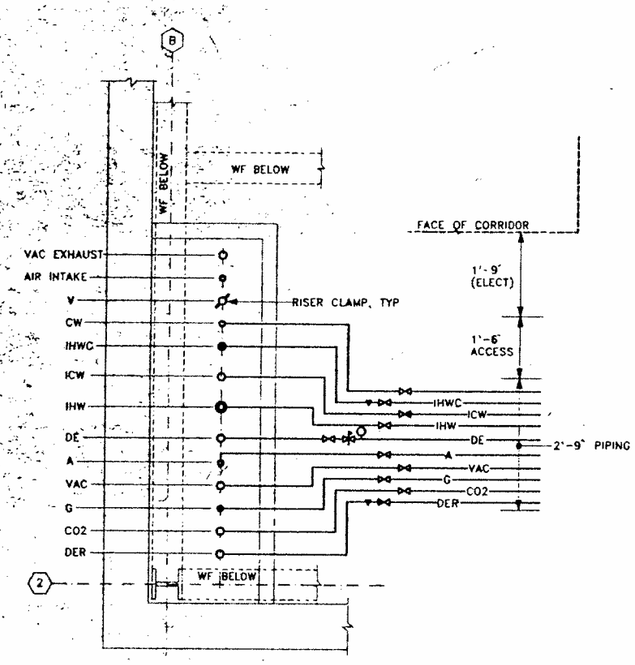
Scale: 3/4"=1'-0"

Project No.		Drawing No.
19210.01	B BIDDING	P6.1
Date 11 APR 91		

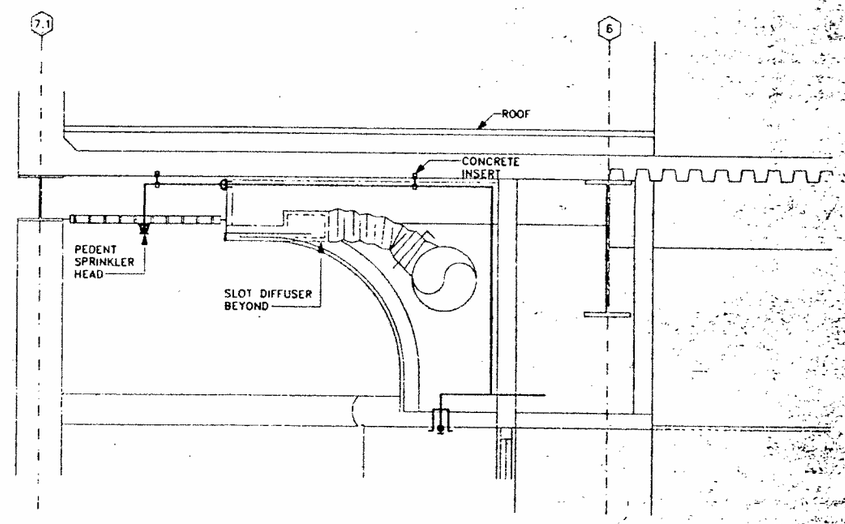
4561; 4-8-91; P6_1; SY

1300-10

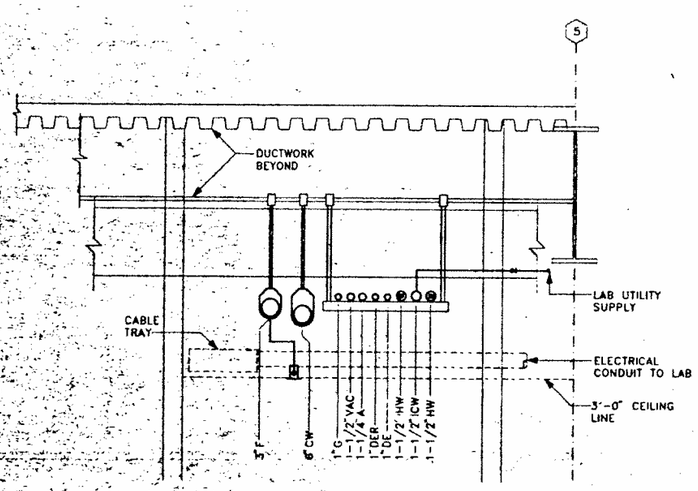
000836



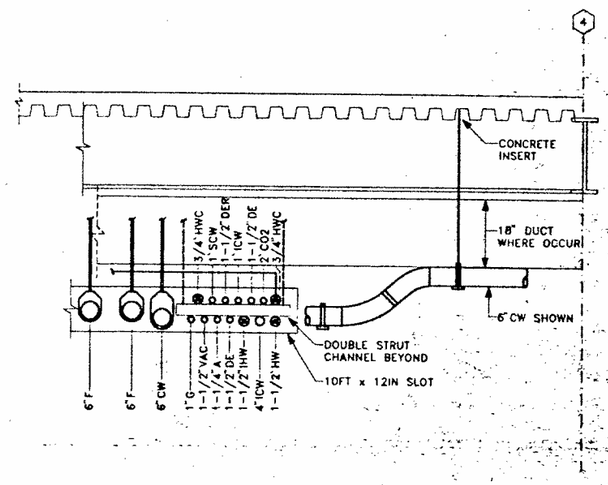
PIPE CHASE (4 / P6.2)
SCALE : 3/4" = 1'-0"



SECOND FLOOR CORRIDOR AT COL. LINE 6 (1 / P6.2)
SCALE : 3/4" = 1'-0"



GROUND FLOOR CORRIDOR AT COL. LINE F (3 / P6.2)
SCALE : 3/4" = 1'-0"



GROUND FLOOR SECTION ON COL. LINE E (2 / P6.2)
SCALE : 3/4" = 1'-0"

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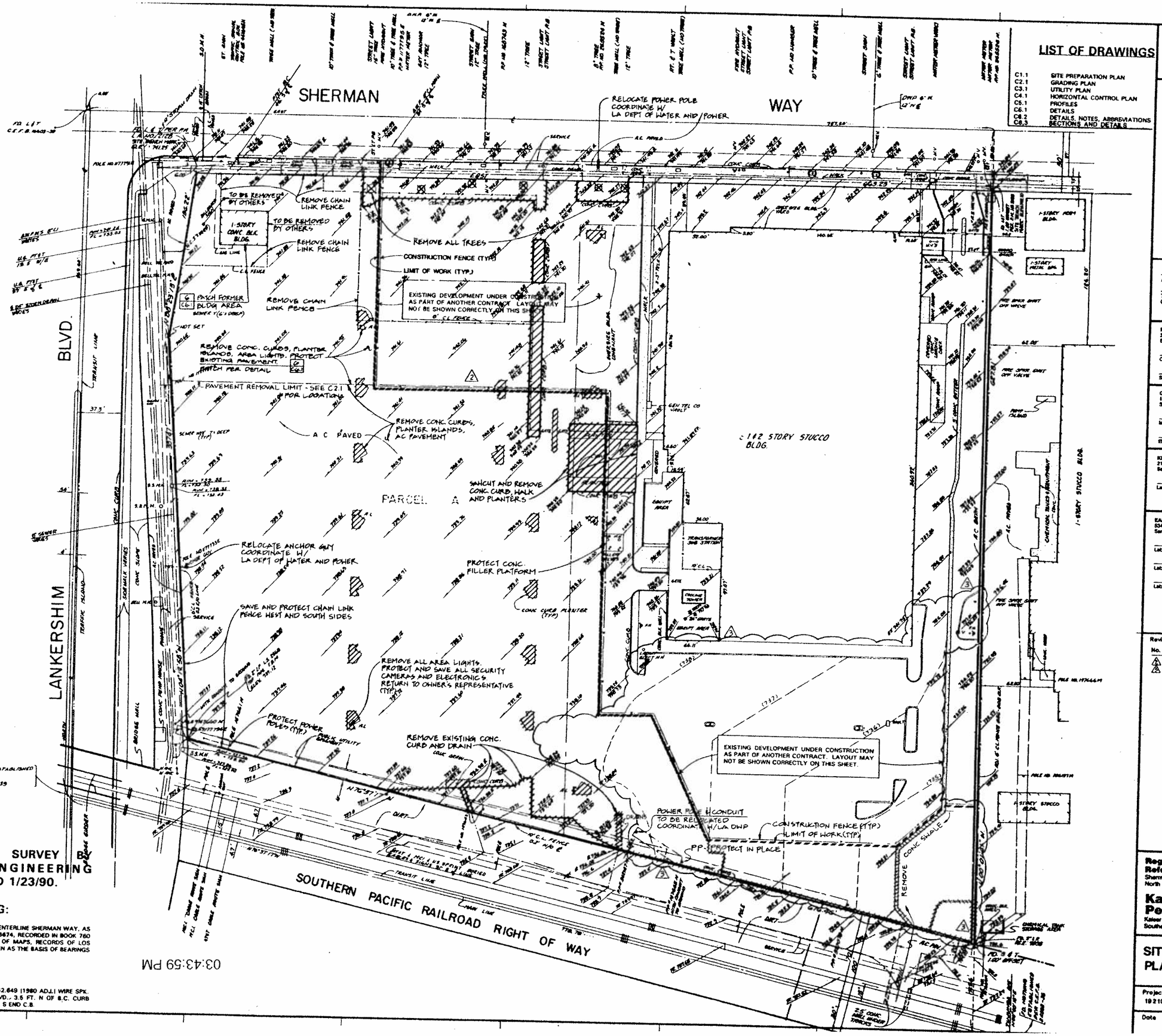
SECTIONS
000837

Scale: 3/4"=1'-0"

Project No.		Drawing No.
19210.01	B BIDDING	P6.2
Date 11 APR 91		

1300-10



BASED ON A SURVEY BY JENNINGS ENGINEERING COMPANY; DATED 1/23/90.

BASIS OF BEARING:

THE BEARING EAST OF THE CENTERLINE SHERMAN WAY, AS SHOWN ON MAP OF TRACT 26674, RECORDED IN BOOK 760 PAGES 81 TO 84 INCLUSIVE OF MAPS, RECORDS OF LOS ANGELES COUNTY, WAS TAKEN AS THE BASIS OF BEARINGS SHOWN ON THIS MAP.

BENCHMARK:

NO. 70R08-2253G ELEV. = 742.649 (1980 ADJ.) WIRE SPK. IN. W CURB LANKERSHIM BLVD., 3.5 FT. N OF B.C. CURB RETURN N OF SHERMAN WAY, S END C.B.

03:43:59 PM

LIST OF DRAWINGS

C1.1	SITE PREPARATION PLAN
C2.1	GRADING PLAN
C3.1	UTILITY PLAN
C4.1	HORIZONTAL CONTROL PLAN
C5.1	PROFILES
C6.1	DETAILS
C8.2	DETAILS, NOTES, ABBREVIATIONS
C8.3	SECTIONS AND DETAILS

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2	ADDENDUM 2	6/10/91
1	BULLETIN NO. 1	

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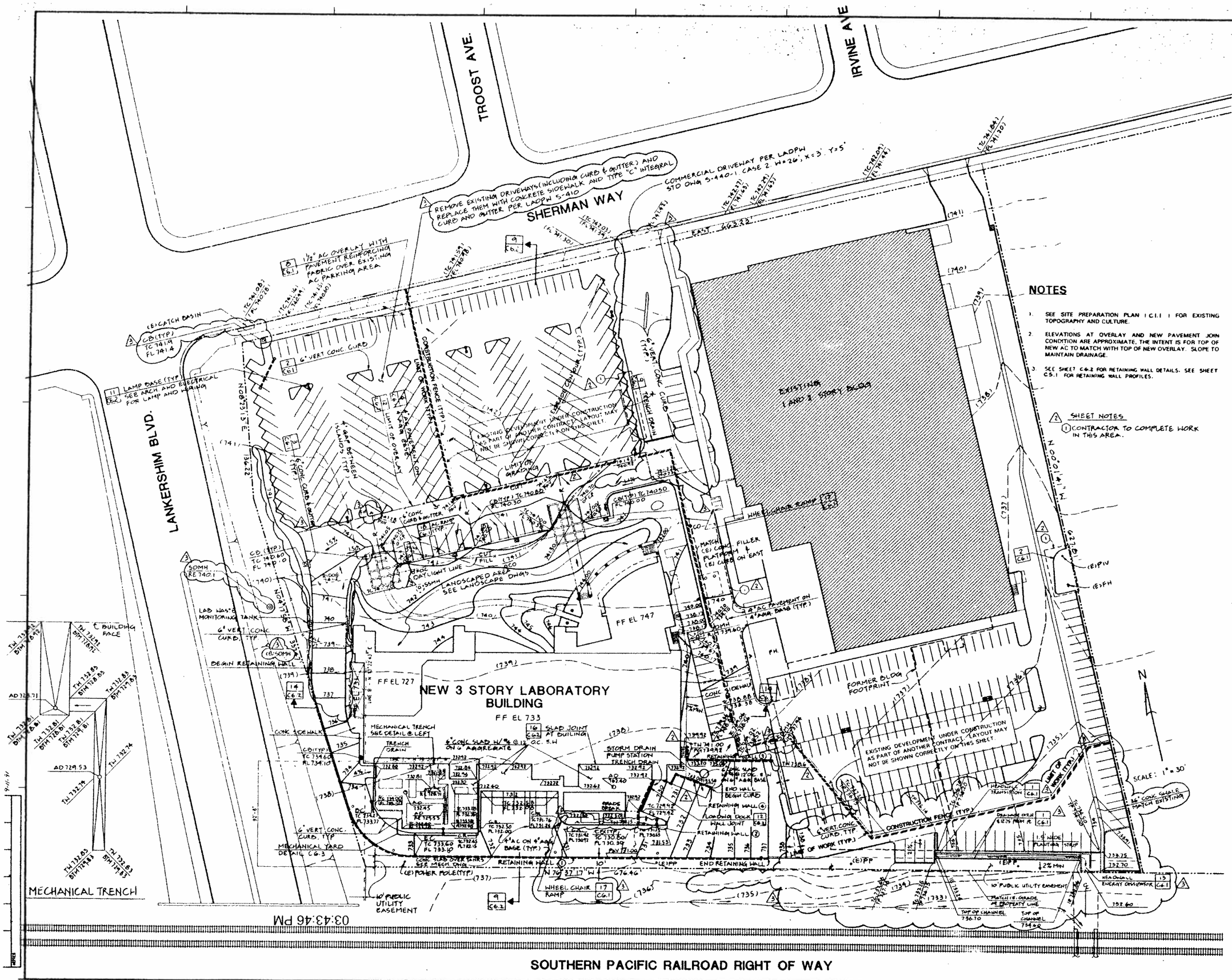
SITE PREPARATION PLAN

Project No. 19210.01

Date

Drawing No. C1.1

000838



NOTES

1. SEE SITE PREPARATION PLAN 1 C1.1 1 FOR EXISTING TOPOGRAPHY AND CULTURE.
2. ELEVATIONS AT OVERLAY AND NEW PAVEMENT JOIN CONDITION ARE APPROXIMATE. THE INTENT IS FOR TOP OF NEW AC TO MATCH WITH TOP OF NEW OVERLAY. SLOPE TO MAINTAIN DRAINAGE.
3. SEE SHEET C6.2 FOR RETAINING WALL DETAILS. SEE SHEET C5.1 FOR RETAINING WALL PROFILES.

2 SHEET NOTES

1 CONTRACTOR TO COMPLETE WORK IN THIS AREA.

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3	BULLETIN NO. 1	

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GRADING PLAN

Project No. 19210.01

Date

Drawing No. C2.1

9-11-91

000839

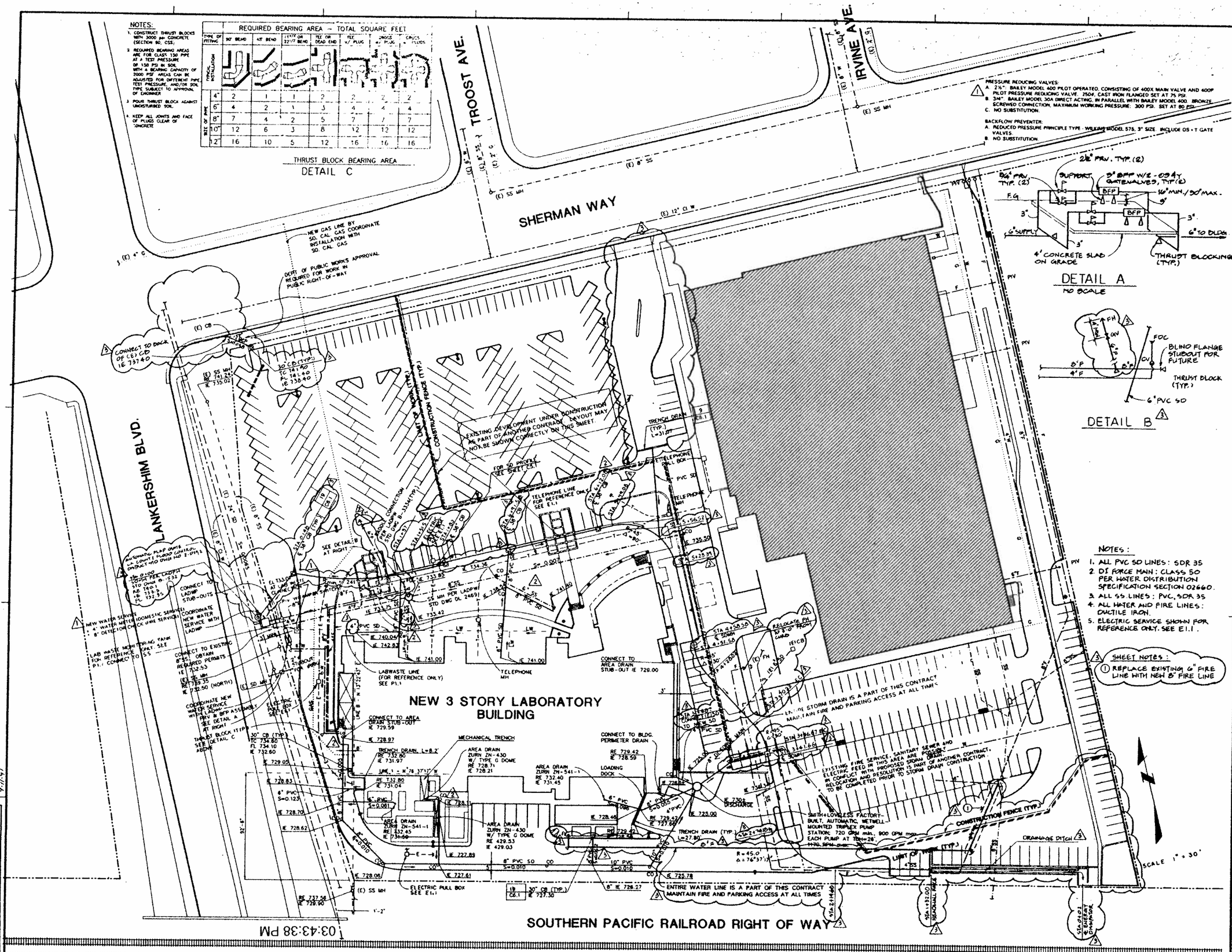
NOTES:

1. CONSTRUCT THRUST BLOCKS WITH 3000 psi CONCRETE (SECTION 80, CSS).
2. REQUIRED BEARING AREAS ARE FOR CLASS 150 PIPE AT A TEST PRESSURE OF 150 PSI IN SOIL WITH A BEARING CAPACITY OF 2000 PSF. AREAS CAN BE ADJUSTED FOR DIFFERENT PIPE TEST PRESSURE, AND/OR SOIL TYPE SUBJECT TO APPROVAL OF ENGINEER.
3. POUR THRUST BLOCK AGAINST UNDISTURBED SOIL.
4. KEEP ALL JOINTS AND FACE OF PLUGS CLEAR OF CONCRETE.

REQUIRED BEARING AREA – TOTAL SQUARE FEET

TYPE OF FITTING	90° BEND	45° BEND	11 1/4° OR 22 1/2° BEND	TEE OR DEAD END	TEE w/ PLUG	CROSS w/ PLUG	CROSS w/ PLUGS
TYPICAL INSTALLATION							
SIZE OF PIPE 4"	2	1	1	2	2	2	2
6"	4	2	1	3	4	4	4
8"	7	4	2	5	7	7	7
10"	12	6	3	8	12	12	12
12"	16	10	5	12	16	16	16

THRUST BLOCK BEARING AREA
DETAIL C



PRESSURE REDUCING VALVES:
A. 2½" BAILEY MODEL 400 PILOT OPERATED, CONSISTING OF 400X MAIN VALVE AND 400P PILOT PRESSURE REDUCING VALVE. 750#, CAST IRON FLANGED SET AT 75 PSI.
B. 3/4" BAILEY MODEL 30A DIRECT ACTING, IN PARALLEL WITH BAILEY MODEL 400. BRONZE, SCREWED CONNECTION. MAXIMUM WORKING PRESSURE: 300 PSI. SET AT 80 PSI.
C. NO SUBSTITUTION.

BACKFLOW PREVENTER:
A. REDUCED PRESSURE PRINCIPLE TYPE - WILKINS MODEL 576, 3" SIZE. INCLUDE OS + T GATE VALVES.
B. NO SUBSTITUTION.

DETAIL A
NO SCALE

DETAIL B

NOTES:
1. ALL PVC SD LINES: SDR 35
2. DI FORCE MAIN: CLASS 50 PER WATER DISTRIBUTION SPECIFICATION SECTION 02660.
3. ALL SS LINES: PVC, SDR 35
4. ALL WATER AND FIRE LINES: DUCTILE IRON.
5. ELECTRIC SERVICE SHOWN FOR REFERENCE ONLY. SEE E1.1.

SHEET NOTES:
1. REPLACE EXISTING 6" FIRE LINE WITH NEW 8" FIRE LINE

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3	BULLETIN NO. 1	

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UTILITY PLAN

Project No. 19210.01

Date

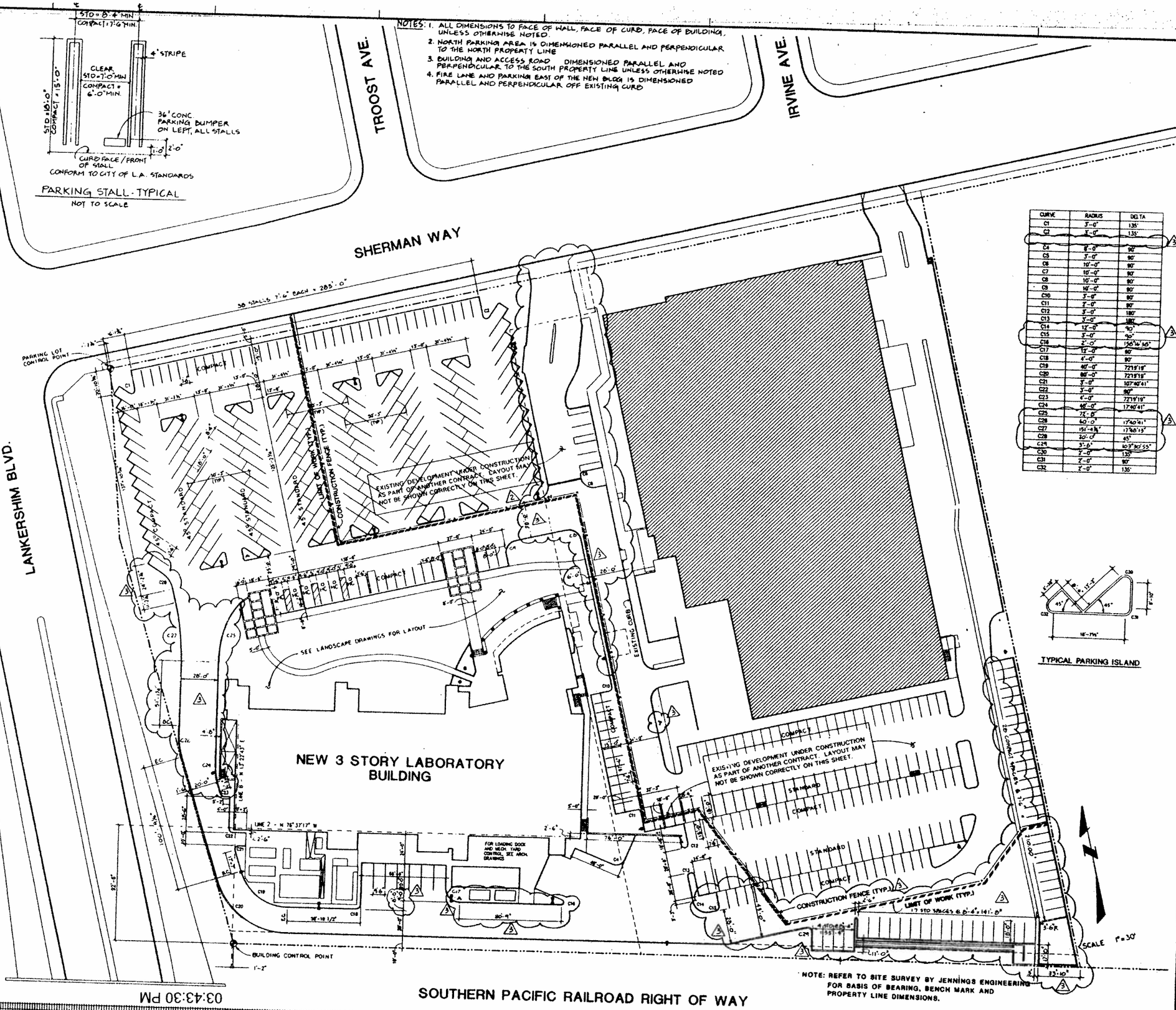
Drawing No. C 3.1

9-11-91

000046

NOTES:
1. ALL DIMENSIONS TO FACE OF WALL, FACE OF CURB, FACE OF BUILDING, UNLESS OTHERWISE NOTED.
2. NORTH PARKING AREA IS DIMENSIONED PARALLEL AND PERPENDICULAR TO THE NORTH PROPERTY LINE
3. BUILDING AND ACCESS ROAD DIMENSIONED PARALLEL AND PERPENDICULAR TO THE SOUTH PROPERTY LINE UNLESS OTHERWISE NOTED
4. FIRE LANE AND PARKING EAST OF THE NEW BLDG IS DIMENSIONED PARALLEL AND PERPENDICULAR OFF EXISTING CURB

PARKING STALL - TYPICAL
NOT TO SCALE



CURVE	RADIUS	DELTA
C1	3'-0"	135°
C2	3'-0"	135°
C4	8'-0"	90°
C5	3'-0"	90°
C6	10'-0"	90°
C7	10'-0"	90°
C8	10'-0"	90°
C9	10'-0"	90°
C10	3'-0"	90°
C11	2'-0"	90°
C12	3'-0"	180°
C13	3'-0"	180°
C14	12'-0"	90°
C15	3'-0"	90°
C16	2'-0"	150°16'30"
C17	12'-0"	90°
C18	4'-0"	90°
C19	40'-0"	72°19'19"
C20	80'-0"	72°19'19"
C21	3'-0"	107°40'41"
C22	3'-0"	90°
C23	4'-0"	72°19'19"
C24	40'-0"	17°40'41"
C25	72'-0"	
C26	60'-0"	17°40'41"
C27	151'-4 1/2"	17°40'15"
C28	20'-0"	45°
C29	3'-6"	109°30'55"
C30	2'-0"	135°
C31	2'-0"	90°
C32	2'-0"	135°

TYPICAL PARKING ISLAND

NOTE: REFER TO SITE SURVEY BY JENNINGS ENGINEERING FOR BASIS OF BEARING, BENCH MARK AND PROPERTY LINE DIMENSIONS.

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1	BULLETIN NO. 1	

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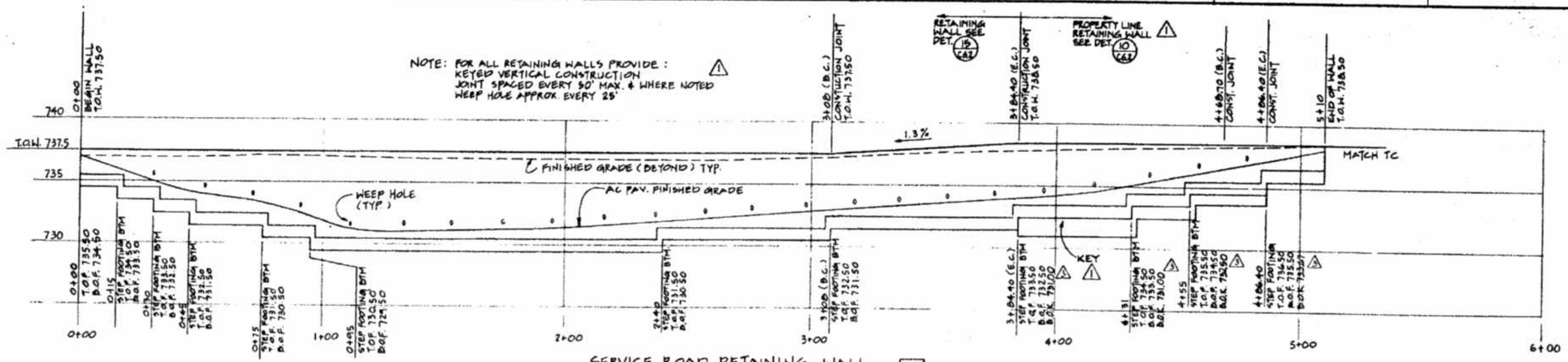
HORIZONTAL CONTROL

000841

Project No. 19210.01

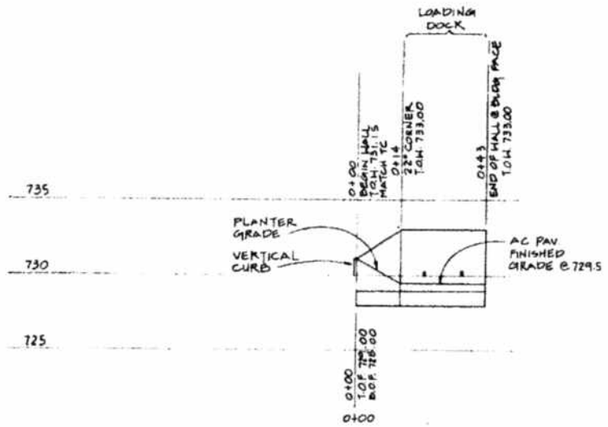
Date

Drawing No. C 4.1



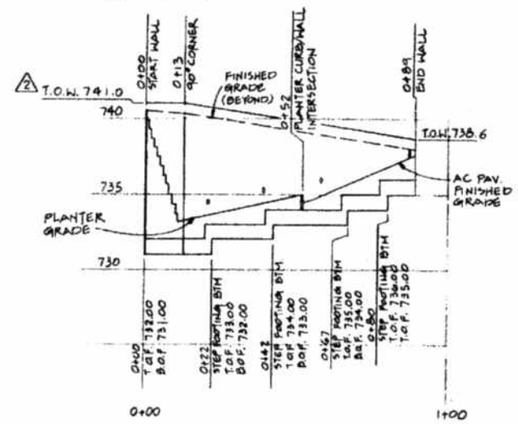
SERVICE ROAD RETAINING WALL 1

SCALE: HORIZ. 1" = 20'
VERT 1" = 4'



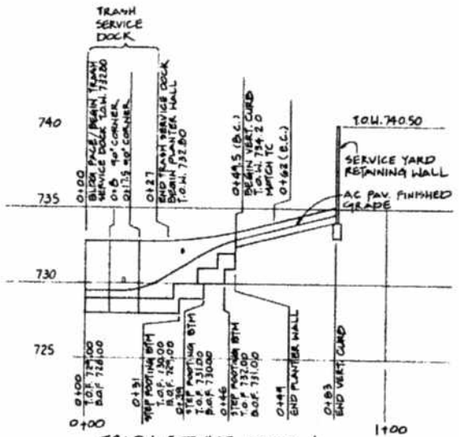
LOADING DOCK & SERVICE YARD RETAINING WALL 2

SCALE: HORIZ 1" = 20'
VERT 1" = 4'



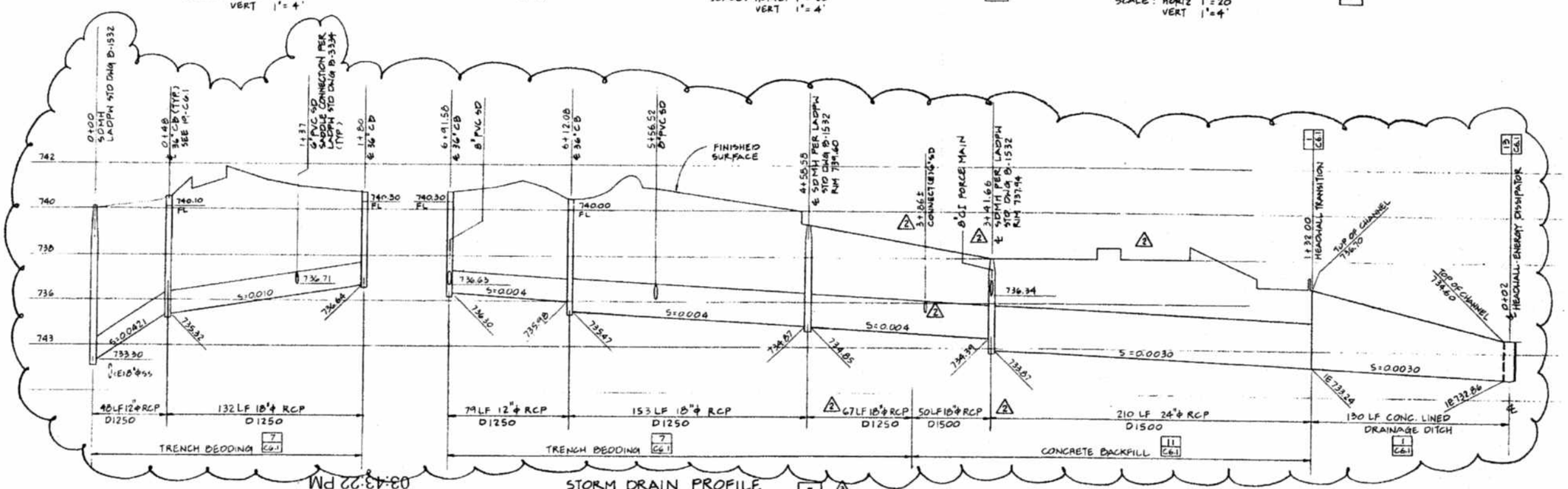
SERVICE YARD NORTH RETAINING WALL 3

SCALE: HORIZ. 1" = 20'
VERT 1" = 4'



TRASH SERVICE DOCK & PLANTER RETAINING WALL 4

SCALE: HORIZ 1" = 20'
VERT 1" = 4'



STORM DRAIN PROFILE 5

SCALE: HORIZ 1" = 30'
VERT 1" = 2'

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PROFILES.

Project No. 19210.01

Date

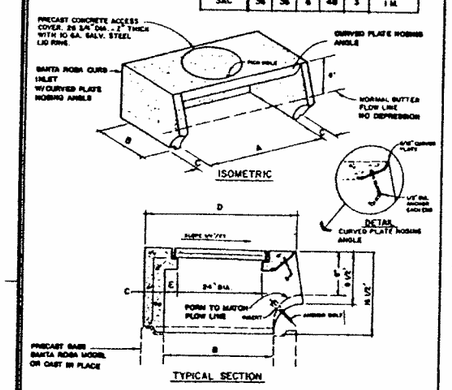
Drawing No. C5.1

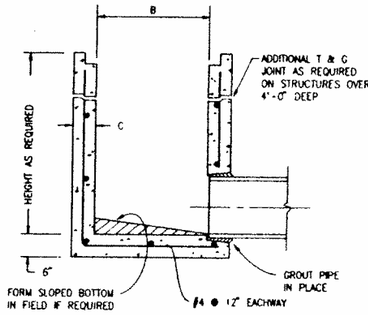
9-11-91

000842

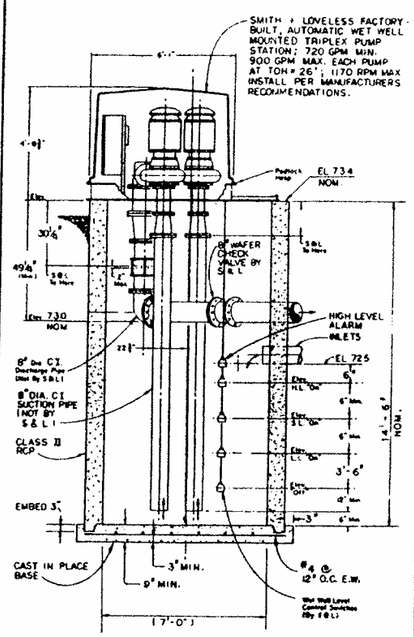
TABLE OF DIMENSIONS

INLET MODEL	A	B	C	D	E	BASE MODEL
E 1/2A	30	24	4	31	0	3K
3AC	36	36	6	48	3	1M

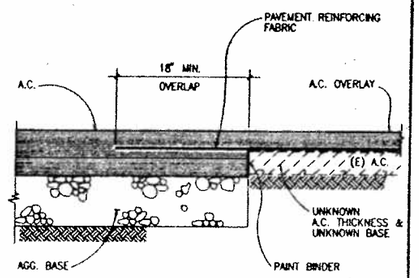




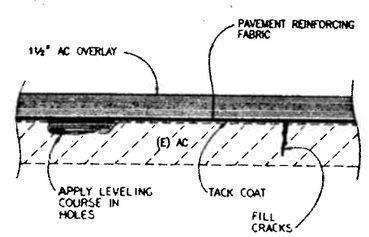
CURB INLET AND BASE 19



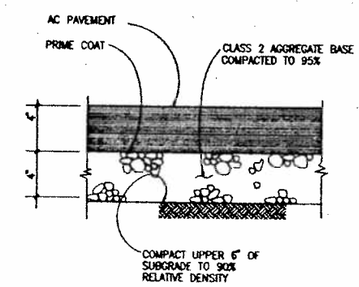
PUMP STATION & WET WELL 15



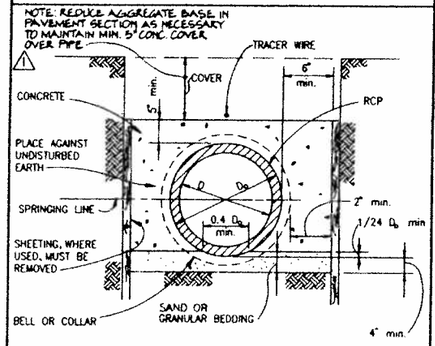
OVERLAY/NEW PAVEMENT INTERFACE 12



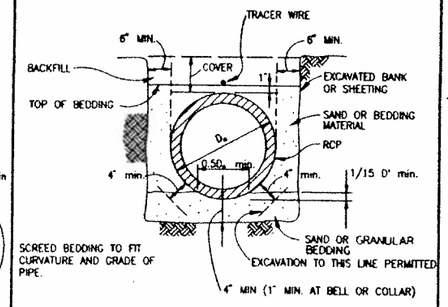
PAVEMENT OVERLAY 8



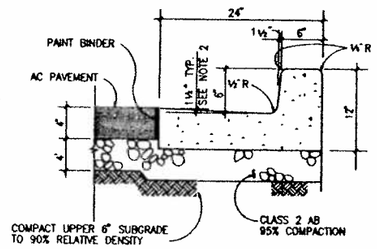
TYPICAL AC PAVEMENT SECTION 4



TYP. TRENCH-CONCRETE BACKFILL 11



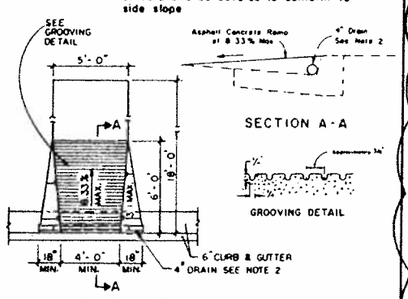
TYP. TRENCH EXCAVATION & BEDDING 7



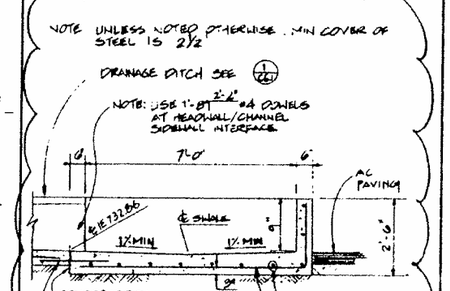
NOTES: 1. INSTALL 3/8" ASPHALT IMPREGNATED FIBER EXPANSION JOINTS AT 10'-0" O.C. AND AT ALL CURB RETURNS AND CORNERS.
2. WHERE PAVEMENT SLOPES AWAY FROM CURB, MATCH GUTTER SLOPE TO PAVEMENT SLOPE.

CURB AND GUTTER 3

NOTES:
1. Asphalt Concrete Ramp side slopes shall be a maximum of 3:1
2. 4" drain shall be 0.139" min. thickness steel pipe. Pipe shall conform to radius of curb and be beveled to conform to side slope

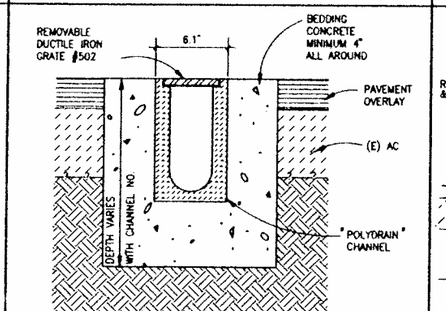


A.C. RAMP 18

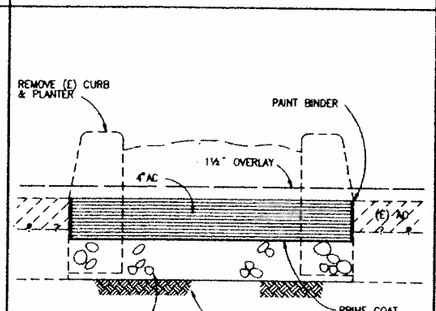


SECTION A-A

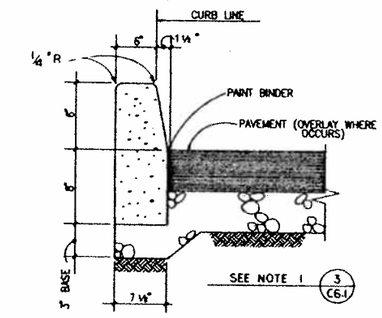
SCALE 1/2" = 1'-0"



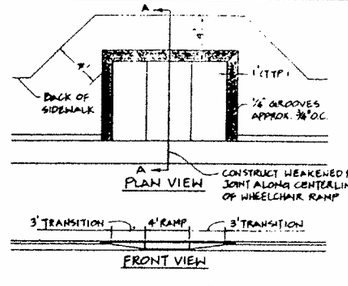
TRENCH DRAIN 10



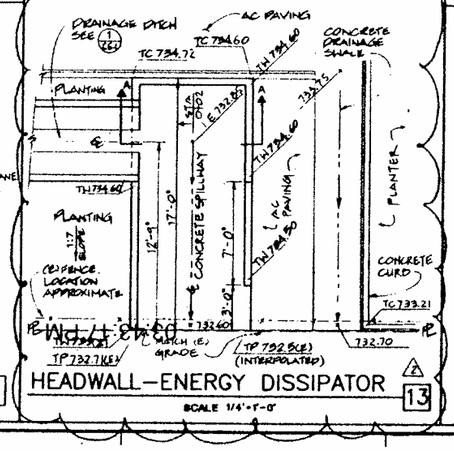
PAVEMENT PATCHING DETAIL 6



VERTICAL CURB 2



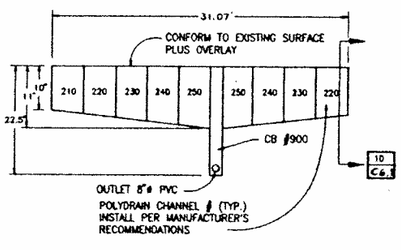
WHEELCHAIR RAMP 17



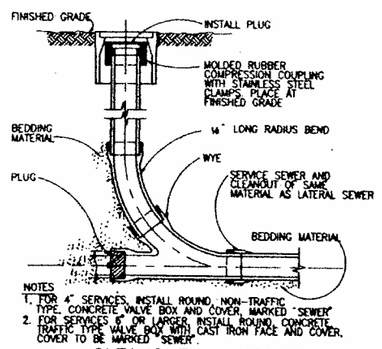
HEADWALL-ENERGY DISSIPATOR 13

SCALE 1/4" = 1'-0"

THIS DETAIL SPECIFIC FOR ENTRANCE DRIVEWAY. TRENCH DRAINS AT MECHANICAL YARD RAMP AND LOADING DOCK SIMILAR. ADAPT FOR LOCAL CONDITIONS.

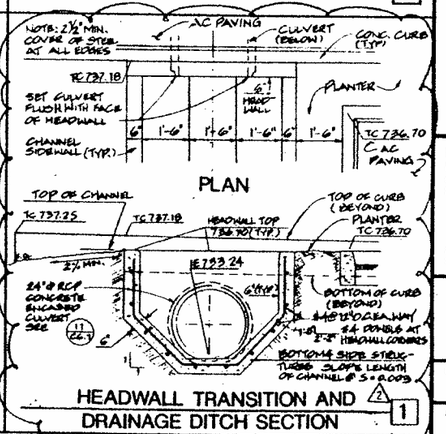


TRENCH DRAIN TRANSVERSE SECTION 9



NOTES
1. FOR 4" SERVICES, INSTALL ROUND, NON-TRAFFIC TYPE, CONCRETE VALVE BOX AND COVER, MARKED "SEWER"
2. FOR SERVICES 6" OR LARGER, INSTALL ROUND, CONCRETE TRAFFIC TYPE VALVE BOX WITH CAST IRON FACE AND COVER, COVER TO BE MARKED "SEWER".

CLEANOUT TO GRADE 5



HEADWALL TRANSITION AND DRAINAGE DITCH SECTION 1

SMP

Stone Marraccini Patterson

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Interior Architecture

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Architect, AIA

Tech. Coord. | Checked | Tech. Arch.

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San Diego, California 92121
Laboratory Architect
Laboratory Mechanical Engineer
Laboratory Electrical Engineer

Revisions

No.		Date
1	ADDENDUM 1	5/15/91
2	BULLETIN NO. 1	

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

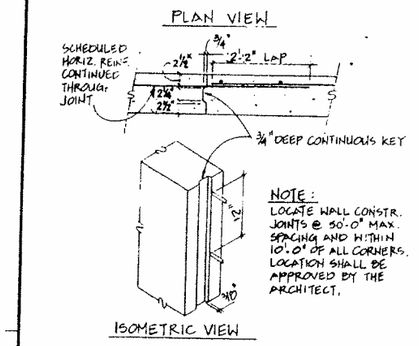
DETAILS

Project No. 19210.01

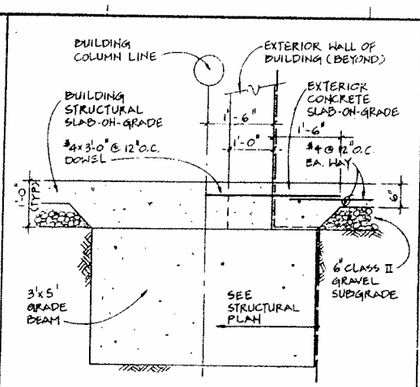
Date

Drawing No. C6.1

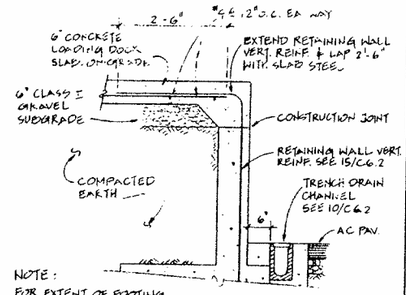
000843



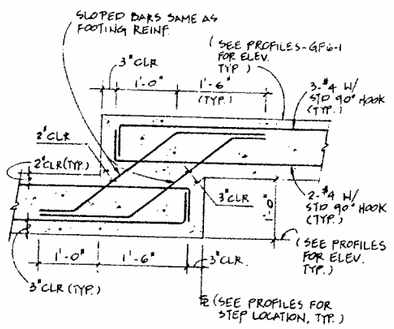
VERTICAL EXPANSION/CONSTRUCTION JOINT IN CONCRETE WALL 20



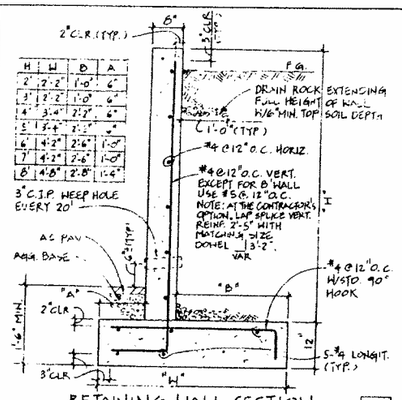
SLAB JOINT AT BUILDING 16
SCALE: 3/4" = 1'-0"



LOADING DOCK/WALL JOINT 12
SCALE 3/4" = 1'-0"

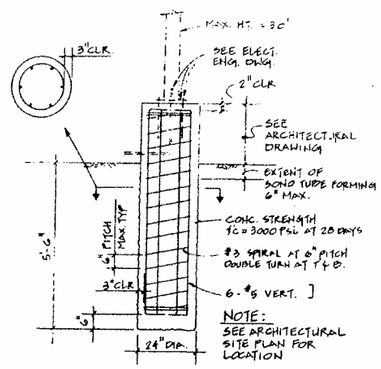


TYPICAL STEPPED FOOTING 19
SCALE: 1" = 1'-0"

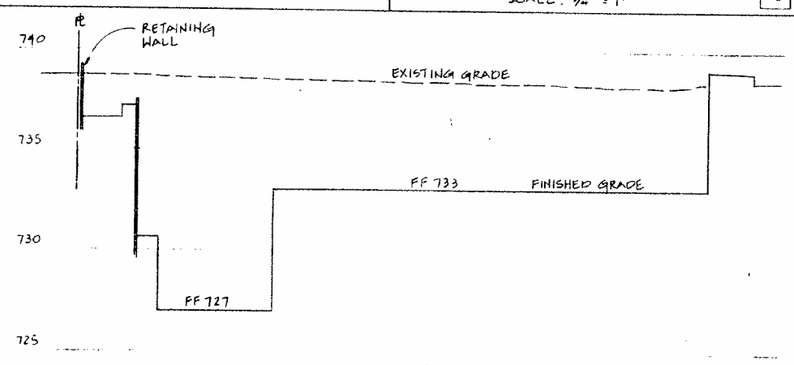


H	W	D	A
2'	2'-2"	1'-0"	6"
3'	2'-2"	1'-0"	6"
4'	3'-4"	2'-2"	6"
5'	4'-4"	2'-2"	6"
6'	4'-2"	2'-6"	1'-0"
7'	4'-2"	2'-6"	1'-0"
8'	4'-8"	2'-8"	1'-6"

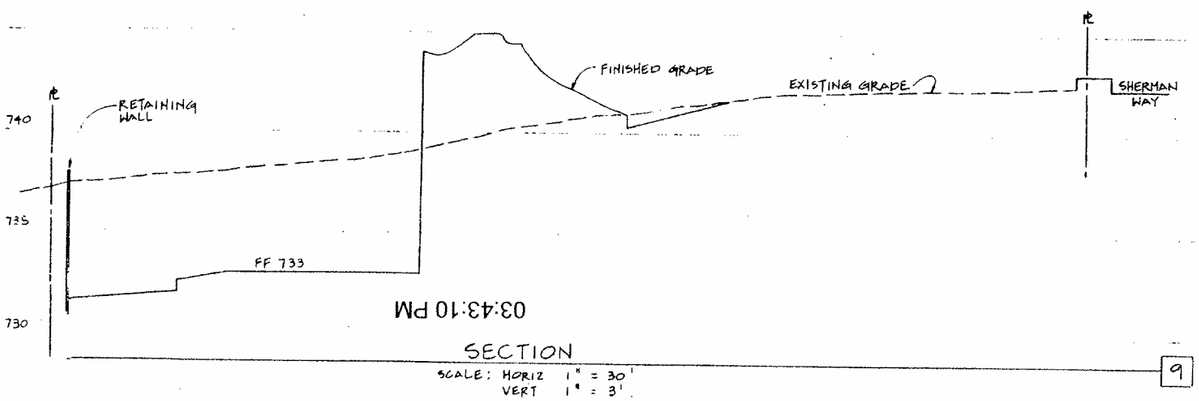
RETAINING WALL SECTION 15
SCALE: 3/4" = 1'



LAMP BASE STRUCTURAL DETAIL 11
1/2" = 1'-0"



SECTION 14
SCALE: HORIZ 1" = 30'
VERT 1" = 3'



SECTION 9
SCALE: HORIZ 1" = 30'
VERT 1" = 3'

03:43:10 PM

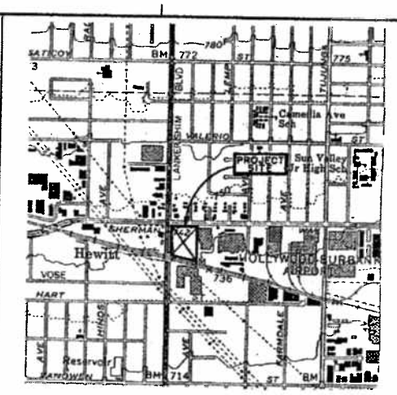
NOTES

1. EXISTING SITE CONDITIONS ARE BASED ON A TOPOGRAPHIC SURVEY MAP FURNISHED BY THE OWNER. NO GUARANTEE IS MADE AS TO THE ACCURACY OR COMPLETENESS OF THE INFORMATION CONTAINED THEREIN. IF DISCREPANCIES ARE FOUND, CONTACT THE OWNER'S REPRESENTATIVE BEFORE COMMENCING WITH WORK.
2. SEE SHEET C1.1 FOR THE BASIS OF BEARINGS AND BENCHMARK USED FOR THIS PROJECT. CAREFULLY MAINTAIN ALL EXISTING MONUMENTS, BENCH MARKS, AND SURVEY CONTROL REFERENCES. IF DAMAGE OCCURS, REPLACE AT NO ADDITIONAL COST TO THE OWNER.
3. ALL WORK IS TO BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF THE GEOTECHNICAL REPORT AND THE RECOMMENDATIONS OF THE OWNER'S GEOTECHNICAL ENGINEER.
4. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE CONDITION OF THE JOB SITE. CONTRACTOR SHALL PROVIDE ALL FENCES, LIGHTS, SIGNS, BARRICADES, FLAGMEN OR OTHER DEVICES NECESSARY TO PROVIDE FOR PUBLIC SAFETY.
5. LOCATIONS OF RECORD UTILITIES ARE BASED ON TOPOGRAPHIC FEATURES AND RECORD INFORMATION PROVIDED BY THE OWNER. CONTRACTOR TO VERIFY IN FIELD THE LOCATION OF EACH UTILITY IMPACTED BY THE CONSTRUCTION. CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY WHEN A UTILITY NOT SHOWN IS UNCOVERED.
6. REMOVE EXISTING UTILITY LINES AND APPURTENANCES AS INDICATED AND DISPOSE OF MATERIALS OFFSITE IN A LEGAL MANNER. IF ALLOWED TO REMAIN, ALL UTILITY PIPE HOLES OR OPENINGS SHALL BE PLUGGED AND SEALED.
7. GRADES IN LANDSCAPE AREAS SHALL BE LEFT LOW TO ALLOW FOR PLACEMENT OF TOPSOIL. SEE LANDSCAPE AND IRRIGATION PLANS.
8. FENCING: PROVIDE TEMPORARY FENCING AS REQUIRED TO SECURE AND PROTECT THE SITE.
9. REFER TO LANDSCAPE AND IRRIGATION DRAWINGS FOR LAYOUT OF SOFTSCAPE ON SITE, INCLUDING DIMENSIONS FOR ARCHITECTURAL PAVERS, IRRIGATION FIXTURES, AREA DRAINS, LIGHT STANDARDS, AND MISCELLANEOUS ARCHITECTURAL SITE ITEMS.
10. ALL SITEWORK IS BASED ON PARALLEL AND PERPENDICULAR RELATIONSHIPS UNLESS OTHERWISE NOTED.
11. THE CONTRACTOR SHALL NOT ALLOW DUST OR EROSION TO BECOME A NUISANCE. DUST OR EROSION SHALL NOT BE ALLOWED TO LEAVE THE CONSTRUCTION SITE. A DETAILED EROSION CONTROL PLAN MUST BE APPROVED AND EROSION CONTROL MEASURES MUST BE IN PLACE BEFORE CONSTRUCTION BEGINS.
12. MATERIALS EXCAVATED FROM THIS SITE AND NOT REQUIRED FOR BACKFILLING OR EMBANKMENT SHALL BE REMOVED FROM THE SITE AND DISPOSED OF IN A LEGAL MANNER AT NO ADDITIONAL COST TO THE OWNER.
13. LEAVE GRADES LOW IN HARDSCAPE AREAS TO ALLOW FOR PAVEMENT SECTIONS. CONTRACTOR TO COORDINATE ALL GRADING INTERFACES PRIOR TO EXCAVATION.
14. PROVIDE SMOOTH TRANSITIONS WHERE NEW PAVEMENT MEETS EXISTING PAVEMENT. CONFORM NEW ELEVATIONS TO EXISTING CONDITIONS.
15. SET CURBS, GUTTERS, SIDEWALKS, INLETS, MANHOLES, CLEANOUTS, AND VALVE BOXES TO GRADE PRIOR TO PLACEMENT OF PAVEMENT SURFACINGS.
18. PROVIDE SMOOTH TRANSITIONS BETWEEN ALL GRADES. BUILD HILLS AND VALLEYS WITH GRADUAL AND ROUNDED-SMOOTH FINISHES. CONFORM ALL NEW WORK TO EXISTING CONDITIONS.
17. INFORMATION ABOUT EXISTING UTILITIES IS BASED ON AVAILABLE DOCUMENTATION. EXPOSE ALL PROPOSED POINTS OF CONNECTION AND UTILITY CROSSINGS, AND VERIFY LOCATION, SIZES, AND ELEVATIONS OF EXISTING LINES BEFORE TRENCHING.
18. SEE ARCHITECTURAL AND MECHANICAL DRAWINGS FOR EXACT LOCATIONS AND INVERT ELEVATIONS OF BUILDING CONNECTIONS.
19. FOR THRUST BLOCK INFORMATION SEE DETAIL.
20. THE FOLLOWING DRAINAGE INLETS ARE PRE-APPROVED FOR THIS PROJECT:
    1) MECHANICAL YARD AREA DRAIN: ZURN ZN-541-1 (12" ø)
    2) MECHANICAL YARD TRENCH AREA DRAIN: ZURN ZN-430 WITH TYPE G DOME STRAINER (6" ø)
    3) ALL TRENCH DRAINS: POLYDRAIN SYSTEM WITH 6% CHANNEL SLOPE, MIN. DEPTH = 10" (CHANNEL NO. 210), CATCH BASIN NO. 900.
    4) CURB OPENING CATCH BASINS: SANTA ROSA CURB INLET WITH CURVED PLATE NOSING ANGLE. 30" - MODEL 2½ A, 36" - MODEL 3 AC

    OBTAIN PRIOR APPROVAL FROM THE ARCHITECT FOR ANY SUBSTITUTIONS FROM THE ABOVE LISTING.
21. THE GRADING PERMIT PLANS (GP), AS APPROVED BY THE CITY OF LOS ANGELES, ARE A PART OF THIS PLAN. IF ANY DISCREPANCIES OCCUR THE MORE STRINGENT CRITERIA GOVERNS.

ABBREVIATIONS

(BC)	BEGINNING OF CURB	CSS	CALIF. DEPT. OF TRANSPORTATION, STD. SPECIFICATIONS	OS & Y	OUTSIDE STEM & YOKE
(E)	EXISTING	DWG	DRAWING	PAV	PAVEMENT
(EC)	END OF CURB	EL/ELEV	ELEVATION	PIV	POST INDICATING VALVE
AC	ASPHALT CONCRETE	EQUIV	EQUIVALENT	PRV	PRESSURE REDUCING VALVE
AD	AREA DRAIN	FDC	FIRE DEPT. CONNECTION	PVC	POLYVINYL CHLORIDE PIPE
AGG	AGGREGATE	FF EL	FINISH FLOOR ELEVATION	R	RADIUS
BFP	BACKFLOW PREVENTER	FG	FINISHED GRADE	RCP	REINFORCED CONCRETE PIPE
BLDG	BUILDING	FL	FLOWLINE	RE	RIM ELEVATION
BOF	BOTTOM OF FOOTING	GB	GRADE BREAK	RECT	RECTANGULAR
BTM	BOTTOM	GIP	GALVANIZED IRON PIPE	REINF	REINFORCING
CB	CATCH BASIN	GV	GATE VALVE	-R-	RIDGE
CF	CURB FACE	HORIZ	HORIZONTAL	SD	STORM DRAIN
CIP	CAST IRON PIPE	HP	HIGH POINT	STA	STATION
CLR	CLEAR	IE	INVERT ELEVATION	STD	STANDARD
CO	CLEANOUT	L	LENGTH	TC	TOP OF CURB
CONC	CONCRETE	LADWP	LOS ANGELES DEPT. OF WATER AND POWER	TOF	TOP OF FOOTING
CONSTR	CONSTRUCTION	LADPW	LOS ANGELES DEPT. OF PUBLIC WORKS	TOW/TW	TOP OF WALL
CR	CURB RETURN	LONGIT	LONGITUDINAL	TYP	TYPICAL
CV	CHECK VALVE	MAX	MAXIMUM	VAR	VARIES
CY	CUBIC YARDS	MH	MANHOLE	VERT	VERTICAL
		MIN	MINIMUM	W/	WITH



VICINITY MAP

SCALE: 1" = 1000'

N

OWNER:

KAISER FOUNDATION HEALTH PLAN, INC.
393 EAST WALNUT ST., FIFTH FLOOR
PASADENA, CA 91188

EDWARD J. ALTMANN, PROJECT MANAGER
(818) 405-8137

JOB ADDRESS:

11668 SHERMAN WAY
NORTH HOLLYWOOD, CA 91605

LEGAL DESCRIPTION:

PARCEL A, PARCEL MAP LA NO. 2128, P.M.B. 30-86, CITY AND COUNTY OF LOS ANGELES, STATE OF CALIFORNIA

GEOTECHNICAL ENGINEERS:

LEROY CRANDALL & ASSOCIATES
900 GRAND CENTRAL AVENUE
GLENDALE, CA 91201-3009

REPORTS:

8/8/89	PRELIMINARY GEOTECHNICAL INVESTIGATION & ENVIRONMENTAL SITE ASSESSMENT - SITE PURCHASE (LCA L89345.AEF01.
3/26/90	GEOTECHNICAL INVESTIGATION - LABORATORY (LCA L89345.AEB).
3/27/90	FOUNDATION INVESTIGATION - PARKING STRUCTURE (LCA L89345.AC).

EARTHWORK ESTIMATES:

(FOR BUILDING DEPT. INFORMATION ONLY. CONTRACTOR SHALL VERIFY EARTHWORK QUANTITIES)

EXCAVATION		
BLDG. FOOT PRINT	7145 CY	
OUTSIDE FOOTPRINT	5155 CY	
TOTAL		12300 CY
FILL		3100 CY
EXPORT		9200 CY

SYMBOLS

Δ	DELTA
	STEP LINE
(741)	EXISTING CONTOURS
741	PROPOSED CONTOURS
	DAYLIGHT LINE

SMP

Stone Marraccini Patterson

Architecture
Planning
Interior Architecture

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CA 94105

415 227-0100

Architect, AIA

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EARL WALLS ASSOCIATES
5348 Carroll Canyon Road
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Laboratory Architect

Laboratory Mechanical Engineer

Laboratory Electrical Engineer

Revisions

No.		Date

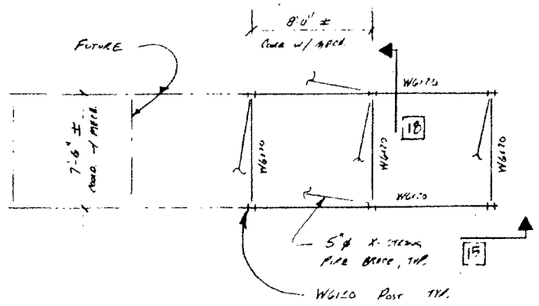
Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

DETAILS, NOTES, ABBREVIATIONS

Project No.		Drawing No.
19210.01	B	C 6.2
Date 4-1-91	BID	

000844



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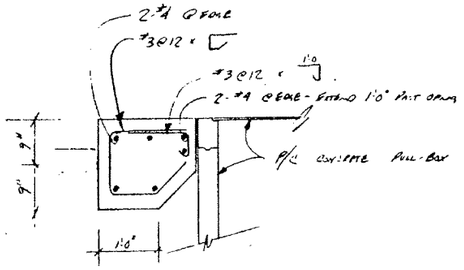

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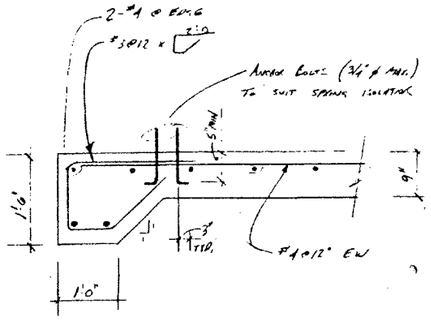

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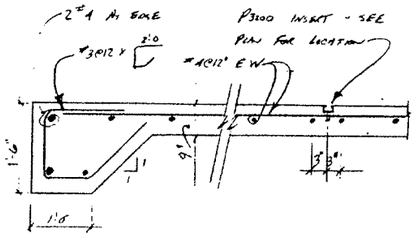

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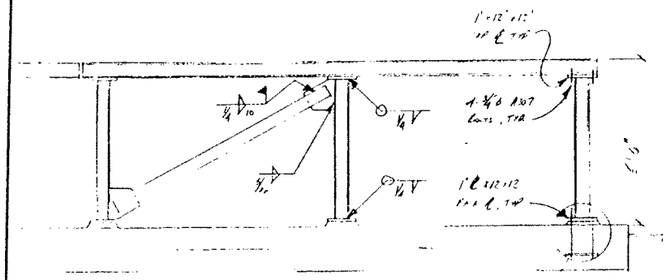

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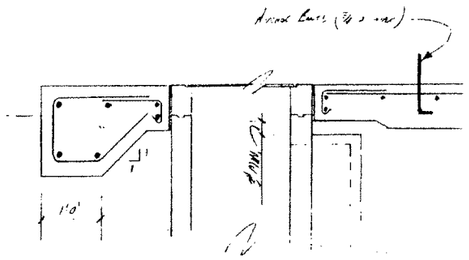

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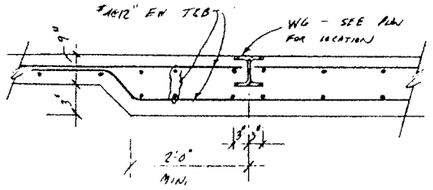

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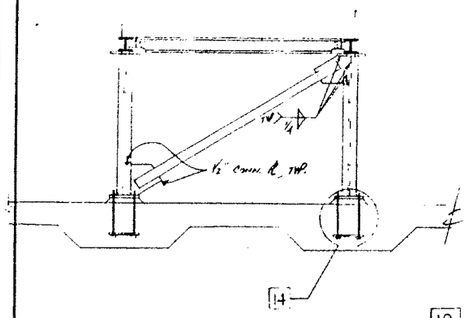

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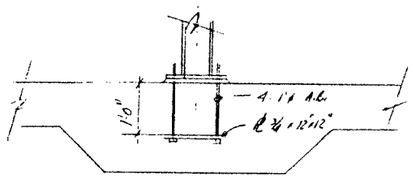

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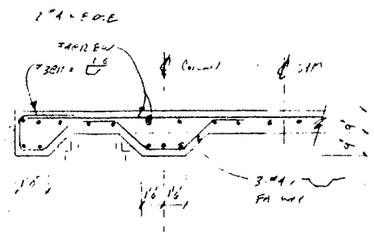

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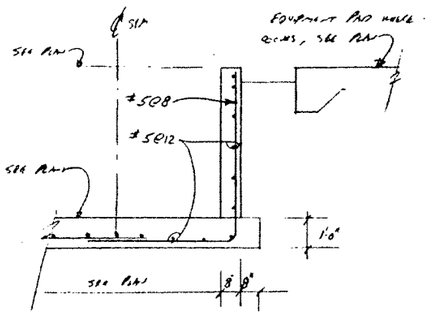

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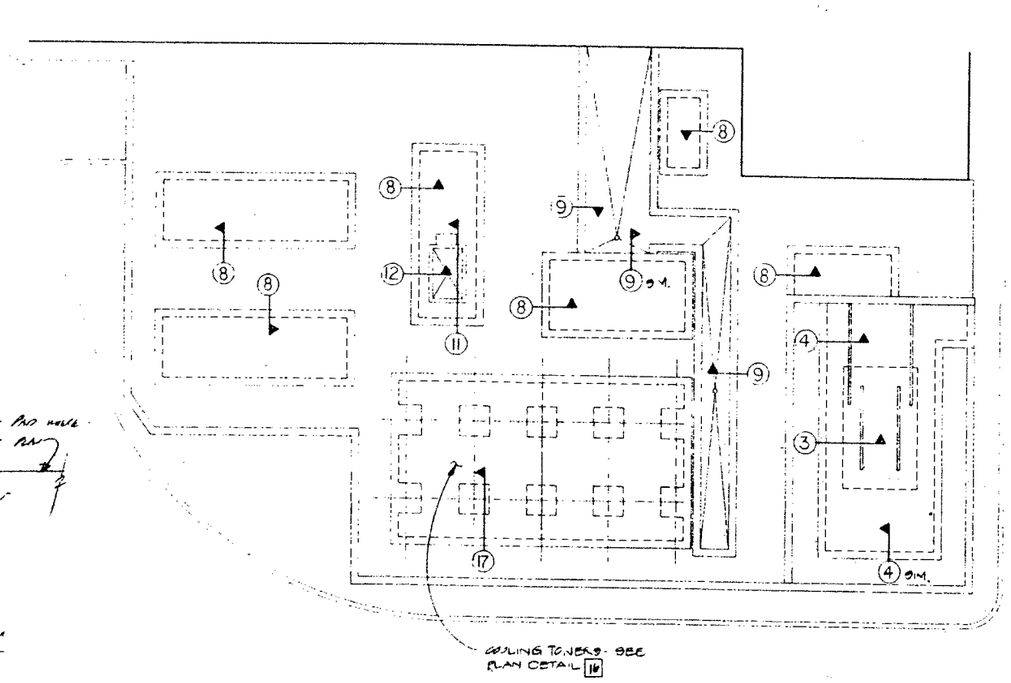

MECHANICAL YARD DETAIL

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No. | Date

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

SECTIONS & DETAILS

Project No.		Drawing No.
19210.01	B	C6.3
Date 4-1-91	BID	

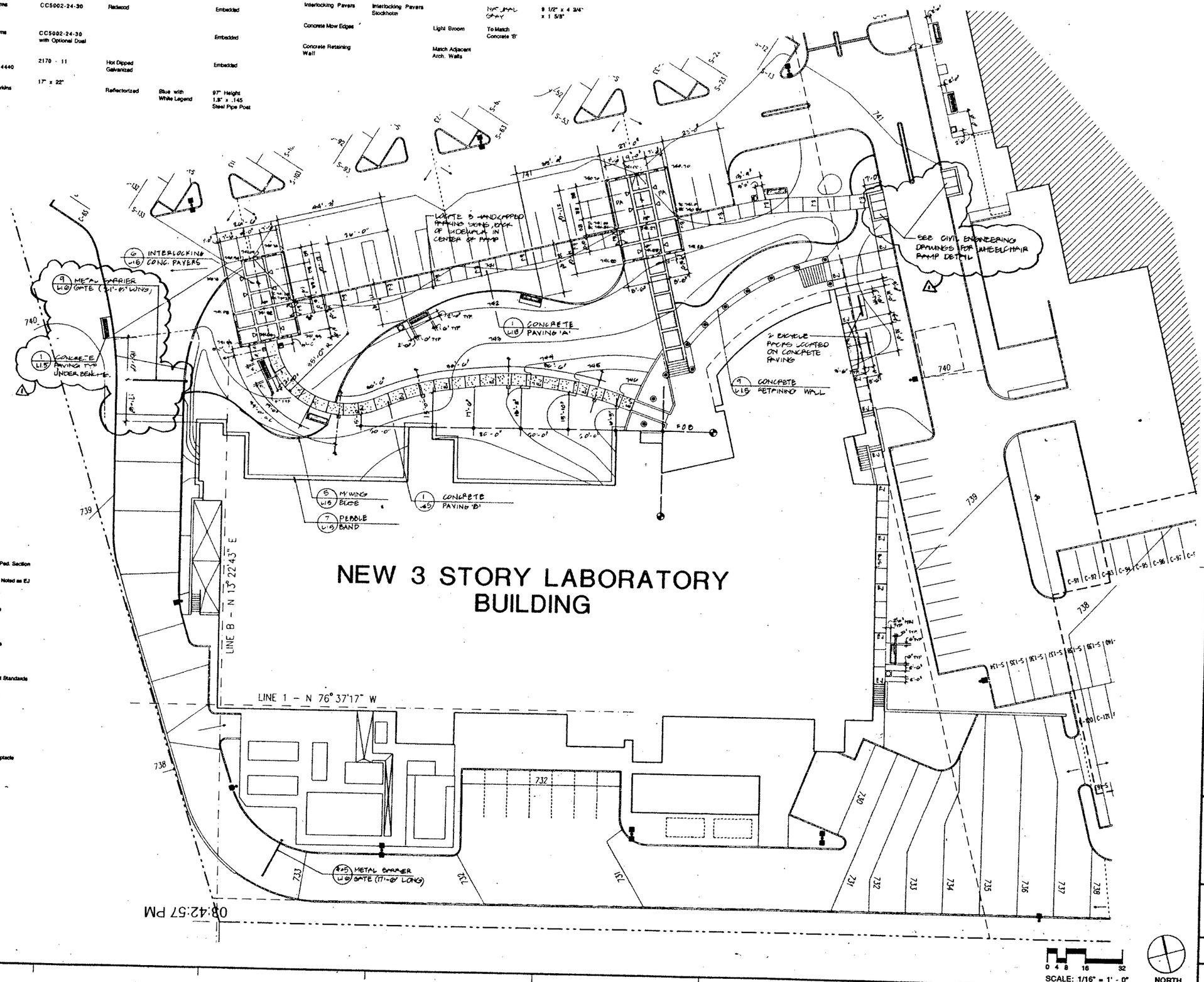
000845

SCHEDULE OF SITE FURNISHINGS

Item	Manufacturer	Catalog No.	Finish	Color	Accessories
'Belustrade' Wood Bench	Landscape Forms Available through : Dimensions Unlimited Emeryville, CA (415) 428 - 4040	BT 3065 - B6 96" Length Support Option P-E	Redwood		Embedded
Trash Receptacle	Landscape Forms (See Above)	CC5002-24-30	Redwood		Embedded
Trash Receptacle/ Ash Urn	Landscape Forms (See Above)	CC5002-24-30 with Optional Dual			Embedded
Bicycle Rack (Cycloops)	Timberform (415) 837 - 4440	2170 - 11	Hot Dipped Galvanized		Embedded
Handicapped Parking Signs	Hawkins - Hawkins Alumna - Sign	17" x 22"	Reflectorized	Blue with White Legend	97" Height 1.5" x .145 Steel Pipe Post

SCHEDULE OF LANDSCAPE CONSTRUCTION FINISHES
Refer to Specifications for General Requirements

Item	Manufacturer	Finish	Color	Size	Integral Color/ Sack
Concrete Paving 'A'	Davis Colors	Medium Broom	To Be Selected By Architect		
Concrete Paving 'B'	Davis Colors	Medium Broom	Jet Black 8084		1 1/2 lbs.
Interlocking Pavers	Interlocking Pavers Stockholm		NATURAL GRAY	9 1/2" x 4 3/4" x 1 5/8"	
Concrete Mow Edges		Light Broom	To Match Concrete 'B'		
Concrete Retaining Wall		Match Adjacent Arch. Walls			



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1	BULLETIN #1	11/8/91

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Kaiser Permanente Medical Care Program
Southern California Region

DIMENSION PLAN

Project No. 19210.01
Date 28 JAN 91
P PERMIT
Drawing No. L1.1

000846

IRRIGATION SYSTEM LEGEND

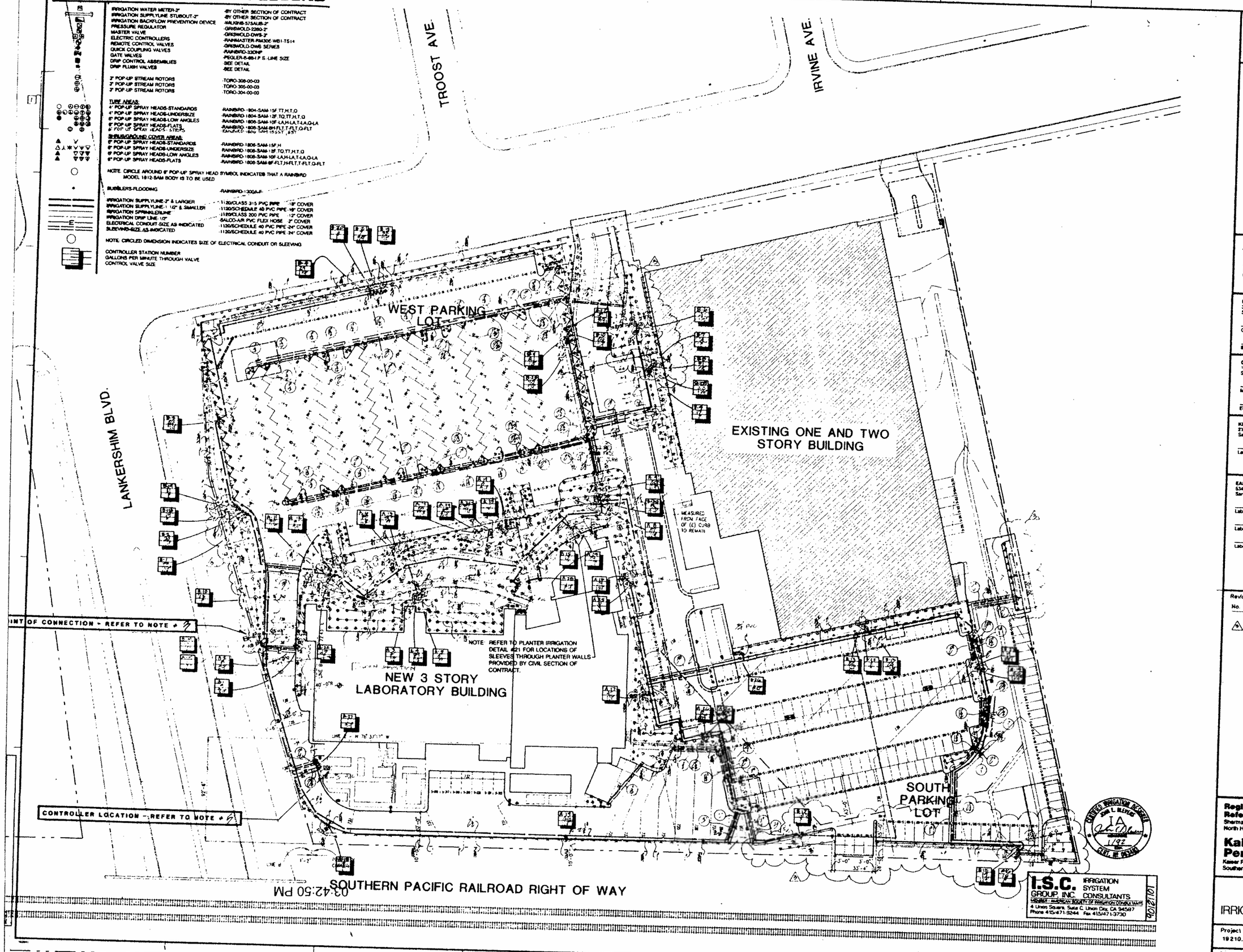
IRRIGATION WATER METER-2"	-BY OTHER SECTION OF CONTRACT
IRRIGATION SUPPLYLINE STUBOUT-2"	-BY OTHER SECTION OF CONTRACT
IRRIGATION BACKFLOW PREVENTION DEVICE	-WILKINS-575AUB-2"
PRESSURE REGULATOR	-GRISWOLD-2260-2"
MASTER VALVE	-GRISWOLD-DWS-2"
ELECTRIC CONTROLLERS	-RAINMASTER-RM3DE WB1-T514
REMOTE CONTROL VALVES	-GRISWOLD-DWS SERIES
QUICK COUPLING VALVES	-RAINBIRD-33DNP
GATE VALVES	-FIGELER-S-88-I P S -LINE SIZE
DRIP CONTROL ASSEMBLIES	-SEE DETAIL
DRIP FLUSH VALVES	-SEE DETAIL
3" POP-UP STREAM ROTORS	-TORO-308-00-03
3" POP-UP STREAM ROTORS	-TORO-305-00-03
2" POP-UP STREAM ROTORS	-TORO-304-00-00
TURF AREAS:	
4" POP-UP SPRAY HEADS-STANDARDS	-RAINBIRD-1804-SAM-15F.TT,H,T,Q
4" POP-UP SPRAY HEADS-UNDERSIZE	-RAINBIRD-1804-SAM-12F.TQ,TT,H,T,Q
6" POP-UP SPRAY HEADS-LOW ANGLES	-RAINBIRD-1806-SAM-10F-LA,H-LA,T-LA,Q-LA
6" POP-UP SPRAY HEADS-FLATS	-RAINBIRD-1806-SAM-8H-FLT,T-FLT,Q-FLT
6" POP-UP SPRAY HEADS - STRIPS	-RAINBIRD-1806-SAM-15SST,8ST
SHRUB/GROUND COVER AREAS:	
6" POP-UP SPRAY HEADS-STANDARDS	-RAINBIRD-1806-SAM-15F,H
6" POP-UP SPRAY HEADS-UNDERSIZE	RAINBIRD-1806-SAM-12F.TQ,TT,H,T,Q
6" POP-UP SPRAY HEADS-LOW ANGLES	-RAINBIRD-1806-SAM-10F-LA,H-LA,T-LA,Q-LA
6" POP-UP SPRAY HEADS-FLATS	-RAINBIRD-1806-SAM-8F-FLT,H-FLT,T-FLT,Q-FLT

NOTE: CIRCLE AROUND 6" POP-UP SPRAY HEAD SYMBOL INDICATES THAT A RAINBIRD MODEL 1812-SAM BODY IS TO BE USED

BUBBLERS-FLOODING	-RAINBIRD-1300A-F-
IRRIGATION SUPPLYLINE-2" & LARGER	-1120/CLASS 315 PVC PIPE -18" COVER
IRRIGATION SUPPLYLINE-1 1/2" & SMALLER	-1120/SCHEDULE 40 PVC PIPE -18" COVER
IRRIGATION SPRINKLERLINE	-1120/CLASS 200 PVC PIPE -12" COVER
IRRIGATION DRIP LINE-1/2"	-SALCO-A/R PVC FLEX HOSE -2" COVER
ELECTRICAL CONDUIT-SIZE AS INDICATED	-1120/SCHEDULE 40 PVC PIPE -24" COVER
SLEEVING-SIZE AS INDICATED	-1120/SCHEDULE 40 PVC PIPE -24" COVER

NOTE: CIRCLED DIMENSION INDICATES SIZE OF ELECTRICAL CONDUIT OR SLEEVING

CONTROLLER STATION NUMBER
GALLONS PER MINUTE THROUGH VALVE
CONTROL VALVE SIZE



CERTIFIED IRRIGATION DESIGNER
JOHN L. BLEVINS
IA
1192
CERT. NO. 19210

I.S.C. IRRIGATION SYSTEM CONSULTANTS
GROUP, INC.
MEMBER - AMERICAN SOCIETY OF IRRIGATION CONSULTANTS
4 Union Square, Suite C, Union City, CA 94587
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10/21/91

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Kaiser Permanente Medical Care Program
Southern California Region

IRRIGATION PLAN

Project No. 19210.01

Date

Drawing No. L1.2

000847

IRRIGATION SYSTEM NOTES

1. SPRINKLER SYSTEM IS DESIGNED FOR A MAXIMUM OF 100 G.P.M. AT 70 P.S.I. OPERATING PRESSURE. SET PRESSURE REGULATOR AT 70 P.S.I. VERIFY PRESSURE OF 90 P.S.I. AT THE POINT OF CONNECTION PRIOR TO INSTALLATION OF THE IRRIGATION SYSTEM. NOTIFY IRRIGATION CONSULTANT IF MEASURED PRESSURE IS MORE THAN 20 P.S.I. UNDER OR 10 P.S.I. OVER STATED PRESSURE.

2. NOTIFY IRRIGATION CONSULTANT SIX (6) DAYS PRIOR TO INSTALLATION FOR A PRE-INSTALLATION CONFERENCE AND FIELD REVIEW COORDINATION FOR TRENCH DEPTHS, ASSEMBLY REVIEW, PRESSURE TESTS, COVERAGE TESTS, PRE- MAINTENANCE AND FINAL REVIEWS. A CONTINUITY TEST WILL BE REQUIRED FOR CONTROL WIRE STUBOUTS. NO SUBSTITUTIONS WILL BE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL FROM THE IRRIGATION CONSULTANT.

3. CONNECT TO 2" IRRIGATION SUPPLYLINE STUBOUT PROVIDED FOR IN IMMEDIATE VICINITY BY OTHER SECTION OF CONTRACT.

4. INSTALL BACKFLOW PREVENTION DEVICE APPROXIMATELY WHERE INDICATED AS DETAILED AND ACCORDING TO LOCAL CODES. B.P.D. SHALL BE TESTED AND CERTIFIED PRIOR TO FINAL INSPECTION. CONTACT LOS ANGELES COUNTY HEALTH DEPARTMENT FOR TESTING COORDINATION.

5. INSTALL CONTROLLERS IN ENCLOSURES WHERE INDICATED. EXACT LOCATION OF CONTROLLERS TO BE DETERMINED AT JOBSITE BY ARCHITECT. 120 VOLT ELECTRICAL SUPPLIES ARE PROVIDED FOR IN IMMEDIATE VICINITIES BY ELECTRICAL SECTION OF CONTRACT. MAKE FINAL 120 VOLT ELECTRICAL CONNECTIONS. USE THIN WALL METAL CONDUIT ABOVE GRADE. USE WATERPROOF CONNECTIONS FOR OUTDOOR INSTALLATIONS. PROGRAM CONTROLLERS TO NOT EXCEED MAXIMUM FLOW RATE STATED IN NOTE NO. 1. INSTALL PER MANUFACTURERS SPECIFICATIONS. INSTALL 120 VOLT ON/OFF SWITCH BELOW CONTROLLER IN EACH ENCLOSURE. INSTALL SEPARATE COMMON WIRE FOR EACH CONTROLLER. CONTROLLERS SHALL BE PROPERLY GROUNDED PER ARTICLE 250 OF THE NATIONAL ELECTRIC CODE AND CONFORM TO LOCAL REGULATIONS. INSTALL AS DETAILED. SEAL ALL CONDUIT HOLES WITH SILICONE OR EQUAL. PROGRAM CONTROLLERS TO IRRIGATE USING MULTIPLE REPEAT CYCLES OF SHORT DURATIONS. CARE SHALL BE TAKEN TO PREVENT RUNOFF OF WATER AND SOIL EROSION DUE TO PROLONGED APPLICATIONS OF WATER.

6. INSTALL MASTER VALVE, REMOTE CONTROL VALVES, PRESSURE REGULATOR, QUICK COUPLING VALVES AND GATE VALVES AS DETAILED. INSTALL R.C.V. ID TAGS MANUFACTURED BY T. CHRISTY ENT. STANDARD SIZE, 1 1/8" HOT STAMPED BLACK LETTERS ON YELLOW BACKGROUND ON SOLENOID WIRES. LETTERS TO CONFORM TO CONTROLLER/STATION NUMBER.

7. ALL SPRINKLER HEADS SHALL HAVE RISER ASSEMBLIES AS DETAILED. INSTALL CHECK VALVES AS SHOWN ON BUBBLER AND ROTOR RISER ASSEMBLY DETAILS WHERE LOW HEAD DRAINAGE OCCURS. NOTE ESPECIALLY TO AVOID DRAINAGE AT SIDEWALKS AND OTHER POINTS WHERE PUDDLING WILL CAUSE DAMAGE OR HAZARD. ALL HIGH POP-UPS ADJACENT TO CURBS SHALL BE INSTALLED AT PAINTED PARKING STALL LINES WHERE INDICATED. INSTALL FLOOD BUBBLERS ON UP HILL SIDE OF TREES.

8. ADJUST ALL SPRINKLER HEADS FOR COMPLETE COVERAGE WITH MINIMUM SPRAY ON BUILDINGS, ASPHALT, SIDEWALKS, ROADWAYS, ETC., AND THROTTLE FLOW CONTROL AT VALVES FOR OPTIMUM OPERATION. WHEN THROTTLING IS NOT USED TO CONTROL MISTING OR OVERSPRAY, BACK-OFF MANUAL FLOW CONTROL 1/2 TO 1 1/2 TURNS FROM POINT WHERE CLOSING AFFECTS SPRINKLER COVERAGE. ADJUST ALL BUBBLERS AT SPECIMEN TREES AS REQUIRED FOR DEEP ROOT WATERING. LEAN SPRINKLERS AT LANDSCAPE BERMS/MOUNDS AND SLOPES FOR OPTIMUM COVERAGE.

9. ALL PIPE AND WIRING UNDER ASPHALT PAVEMENT SHALL BE INSTALLED AT A TWENTY FOUR INCH (24") DEPTH BELOW GRADE. ALL PIPE AND WIRING UNDER ASPHALT PAVEMENT SHALL BE INSTALLED IN PVC SCHEDULE 40 SLEEVING AND ELECTRICAL CONDUIT. CONDUIT SHALL EXTEND SIX INCHES (6") BEYOND EDGE OF PAVEMENT OR CURB. INSTALL SAND FOR BACKFILL IN ASPHALT PAVEMENT AREAS TO 6" COVER ABOVE PIPE. SURROUND PIPE WITH SAND IN AREAS WHERE ROCKY TERRAIN IS ENCOUNTERED.

10. ALL VALVE CONTROL WIRE SHALL BE MINIMUM NO. 14 AWG COPPER UL APPROVED FOR DIRECT BURIAL IN GROUND. CONNECT WIRES AS DETAILED PER MANUFACTURERS SPECIFICATIONS. RUN ONE (1) EXTRA CONTROL WIRE OF DIFFERENT COLOR THROUGH ALL VALVE LOCATIONS FROM EACH CONTROLLER. EACH WIRE AT VALVES SHALL HAVE 24" EXCESS COILED LOOP IN VALVE BOXES. TAPE WIRES IN BUNDLES EVERY TEN FEET (10').

11. DRIP IRRIGATION SYSTEMS ARE DESIGNED FOR A MAXIMUM OF 2 G.P.M. USING A MAXIMUM OF 120 EMITTERS PER DRIP CONTROL VALVE. NOTIFY IRRIGATION CONSULTANT OF ANY QUANTITY DIFFERENCES PRIOR TO INSTALLATION.

12. EMITTER LINE SHOWN IS DIAGRAMATIC ONLY. PLACE LINE BETWEEN PLANTS AND RUN 1/8" TUBING TO PLANT. INSTALL SPOT SYSTEMS 3000-1 EMITTERS AS FOLLOWS:

    A. 1 EMITTER AT EACH ONE GALLON PLANT
    B. 2 EMITTERS AT EACH FIVE GALLON PLANT (180 APART)
    C. INSTALL EMITTERS ON UP GRADE SIDE OF PLANTS WHERE APPLICABLE
    D. INSTALL EMITTERS ABOVE ALL ROOTBALLS (UNLESS DIRECTED OTHERWISE).

13. AFTER INSTALLATION OF DRIP CONTROL ASSEMBLIES SET PRESSURE AT 25 P.S.I.

14. CONTRACTOR TO PROVIDE LITERATURE OF ALL DRIP SYSTEM COMPONENTS TO OWNER AND REVIEW MAINTENANCE PROCEDURES INCLUDING:

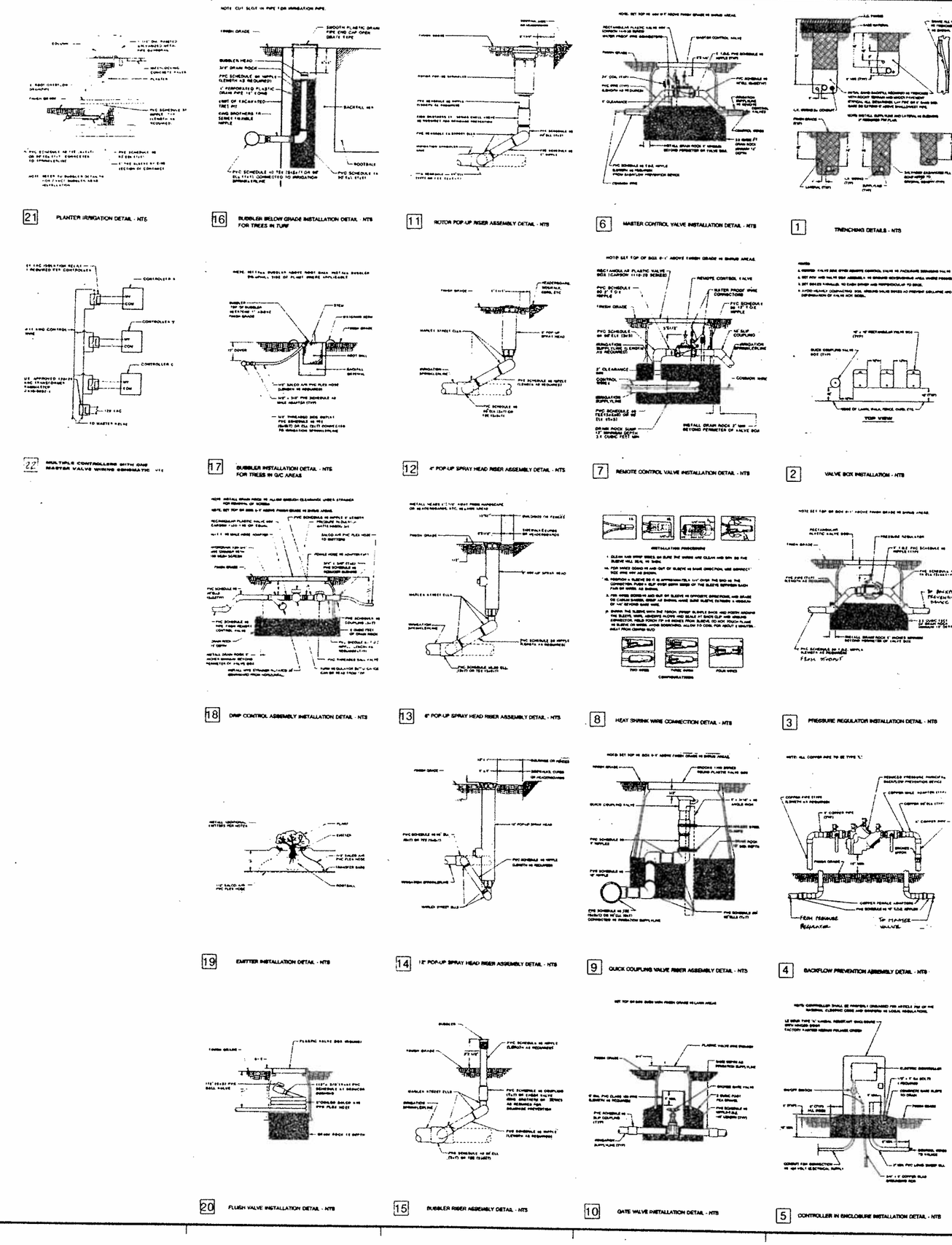
    A. CLEANING FILTERS IN WYE STRAINERS
    B. REPAIRING BREAKS IN PIPE(S)
    C. USING FLUSH VALVES TO FLUSH OUT LINE(S)
    D. ADDING EMITTERS OR TUBING FOR EXPANSION/INSTALLING PLUGS
    E. INSPECTION OF EMITTERS

15. CONTRACTOR TO PROVIDE THE FOLLOWING MATERIALS TO THE OWNER:

    A. SALCO HOSE PUNCH #HP-125
    B. 25 TRANSFER BARBS
    C. 25 EMITTERS
    D. 25 PLUGS
    E. 50' - 1/8" TUBING
    F. 6 COUPLINGS FOR DRIP LINE
    G. 25' SALCO A/R PVC FLEX HOSE-1/2"
    H. PVC 795 GLUE

16. AT JOB COMPLETION, SUPPLY OWNER WITH TWO (2) SETS OF MATCHING G.C.V. KEYS AND HOSE SWIVELS, AND TWO (2) PADLOCKS WITH KEYS FOR EACH CONTROLLER ENCLOSURE.

17. REFER TO SPECIFICATIONS FOR FURTHER INFORMATION REGARDING THIS PROJECT.



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Southern California Region

IRRIGATION DETAILS

Project No.		Drawing No.
19210.01	B	L1.3
Date 01 APR 91	BIDDING	

000848

PLANT LIST

SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE	HT.	SPR.	Xeriscape Points	Quantity
TREES:							
CER SIL	Ceratonia siliqua	Carob Tree	15 gal	7'-8"	2'-3"	24	2
LAG INC	Lagerstroemia indica 'Red'	Crape Myrtle	48" box	14'-16'	7'-8"		12
MAG RUS	Magnolia grandiflora 'Russet'	Russet Magnolia	24" box	9'-11'	3'-4"	22	11
PIN CAN	Pinus canariensis	Canary Island Pine	15 gal	6'-7'		16	8
PIN CAN	"	"	24" box	8'-10'	3'-4'	90	45
PLA ACE	Platanus acerifolia	London Plane Tree	15 gal	7'-9'	2'-3'	74	37
PLA ACE	"	"	24" box	10'-12"	4'-5'	58	29
PYR CAL	Pyrus calleryana 'Bradford'	Bradford Pear	24" box	9'-11'	4'-5'	14	7
SHRUBS & VINES:							
AGA PET	Agapanthus 'Peter Pan'	Lily of the Nile	1 gal	Full and bushy		448	224
AZA KUR	Azalea kurume 'Laughing Water'	Laughing Water Azalea	5 gal	Full and bushy			25
BOU SAN	Bougainvillea 'San Diego Red'	San Diego Red Bougainvillea	5 gal	Full and bushy		40	20
BUX JAP	Buxus m. japonica	Japanese Boxwood	1 gal	Full and bushy		114	57
DIE BIC	Dietes bicolor	African Iris	5 gal	Full and bushy		54	27
GRE NOE	Grevillea noellii	Grevillea	5 gal	Full and bushy		160	80
HIB ROS	Hibiscus rosa-sinensis	Chinese Hibiscus	5 gal	Full and bushy			27
PIT EUG	Pittosporum eugenioides	Eugene Pittosporum	15 gal	Full and bushy		110	55
PRU ZAB	Prunus zabeliana	Zabel Laurel	5 gal	Full and bushy			15
RAP SNO	Raphiolepis indica 'Snow White'	Snow White India Hawthorn	5 gal	Full and bushy		128	64
SOL HET	Solleya heterophylla	Australian Bluebell Creeper	5 gal	Full and bushy		70	35
GROUNDCOVERS:							
GAZ YEL	Gazania hybrid 'Yellow'	Yellow Gazania	Flat grown @ 6" O.C.				
HED HEL	Hedera helix 'Hahn's'	Hahn's Ivy	Flat grown @ 9" O.C.				
IBE SEM	Iberis sempervirens	Evergreen Candytuft	Flat grown @ 6" O.C.				

1432 Total Points

Seed Type	% by weight	% by purity	Min. % Germination
Tall Fescue 'Bonsonza'	75	99.2	80
Tall Fescue 'Olympic'	10	95.3	90
Tall Fescue 'Apache'	15	99.1	90

Application Rate: 12 pounds per 1000 square feet of area

Lawn: Available from Ferry Morse (714) 666 - 8600

Notes:

1. Apply 2" deep mulch over all shrub and star jasmine / agapanthus beds.
2. Install erosion control planting on all planted slopes steeper than 2.5 : 1. Refer to civil drawings for slopes.
3. Install concrete mowing edges adjacent to lawn areas whether shown on the drawings or not.

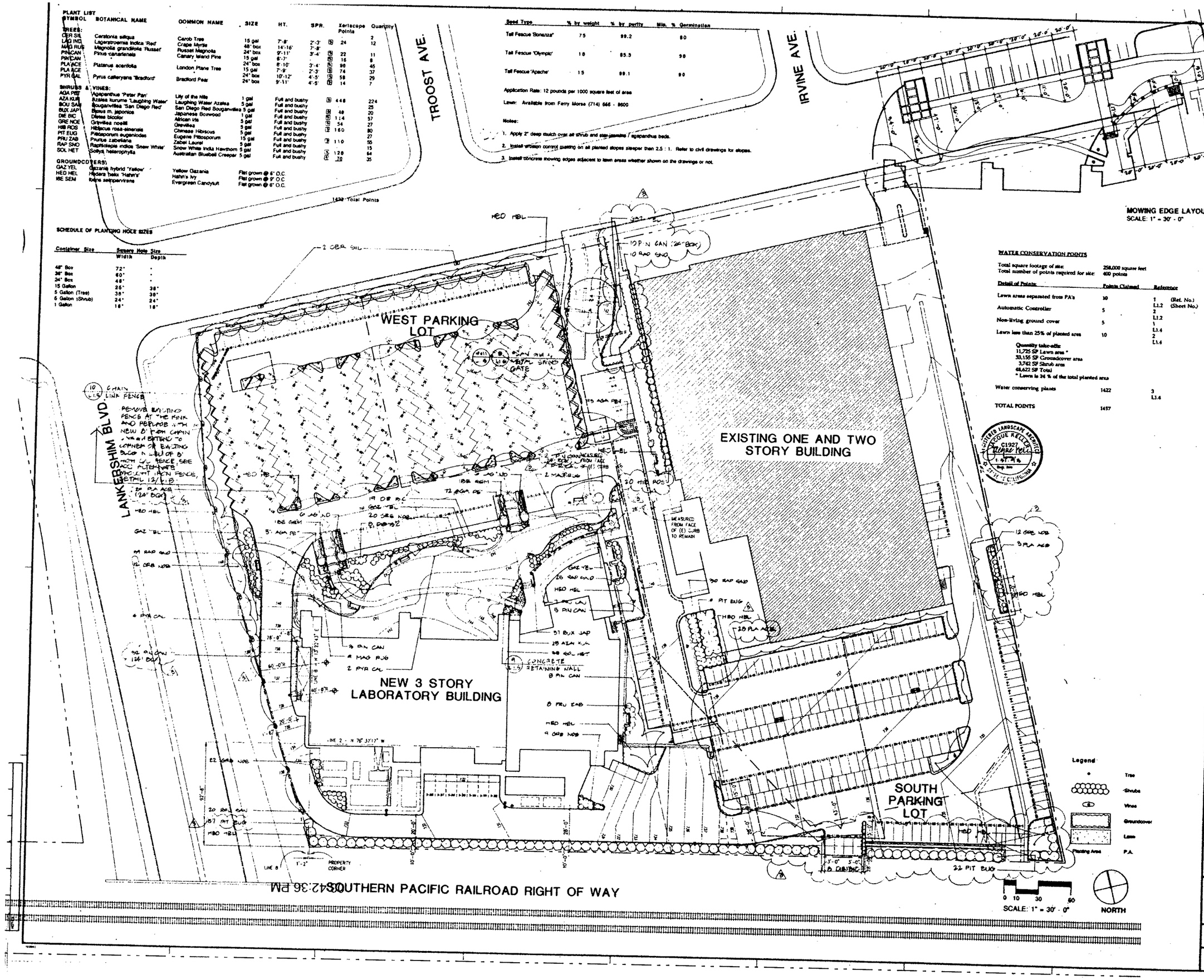
SCHEDULE OF PLANTING HOLE SIZES

Container Size	Square Hole Size Width	Depth
48" Box	72"	*
36" Box	60"	*
24" Box	48"	*
15 Gallon	26"	36"
5 Gallon (Tree)	36"	36"
5 Gallon (Shrub)	24"	24"
1 Gallon	18"	18"

WATER CONSERVATION POINTS

Total square footage of site: 258,000 square feet
Total number of points required for site: 400 points

Detail of Points:	Points Claimed	Reference
Lawn areas separated from PA's	10	1 (Ref. No.) L1.2 (Sheet No.)
Automatic Controller	5	2 L1.2
Non-living ground cover	5	1 L1.4
Lawn less than 25% of planted area	10	2 L1.4
Quantity take-offs: 11,725 SF Lawn area * 33,155 SF Groundcover area 3,742 SF Shrub area 48,622 SF Total * Lawns is 24 % of the total planted area		
Water conserving plants	1422	3 L1.4
TOTAL POINTS	1457	



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2. BULLETIN #1	

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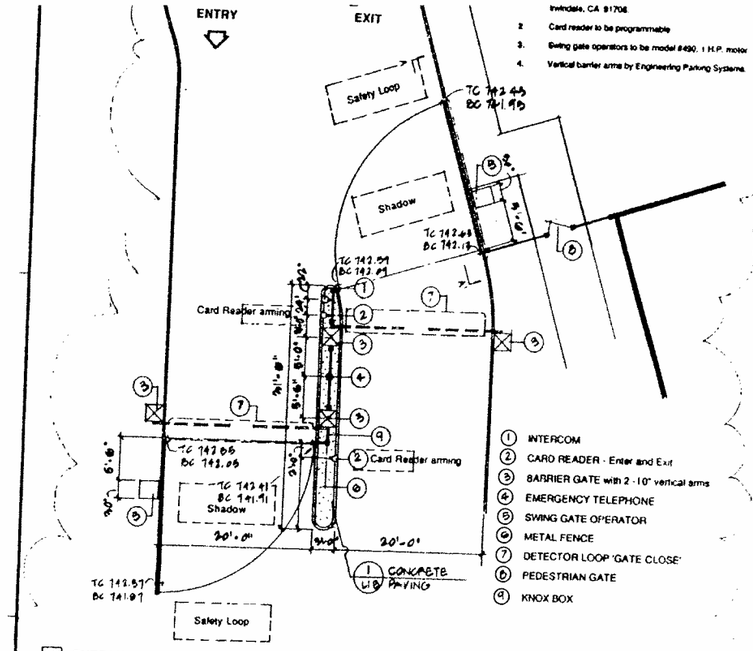
PLANTING PLAN

Project No. 19210.01 | Date | Drawing No. L1.4

000849

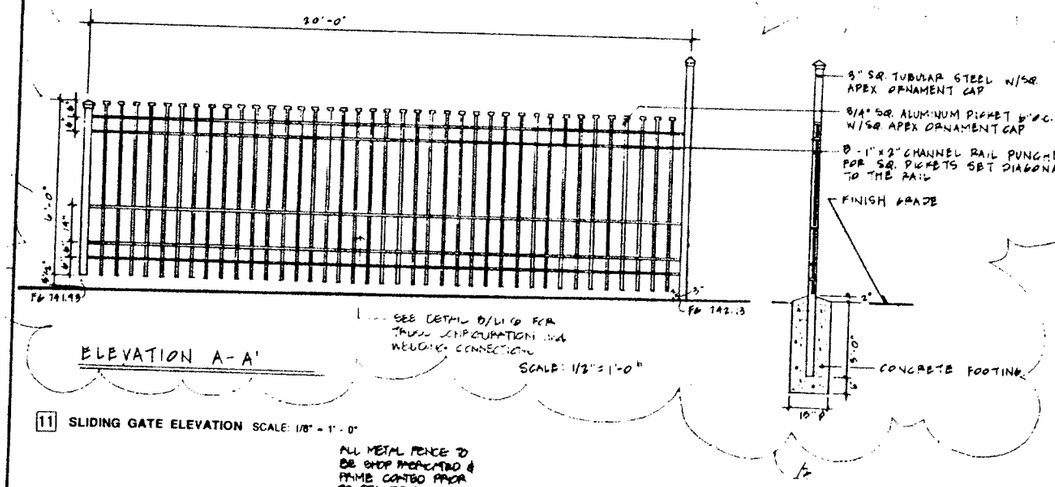


10 ENTRANCE PLAN SCALE: 1/8" = 1' - 0"

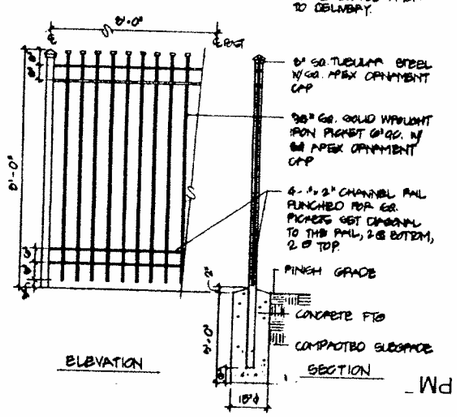
Irwindale, CA 91706

2. Card reader to be programmable
3. Swing gate operators to be model #490, 1 H.P. motor
4. Vertical barrier arms by Engineering Parking Systems.

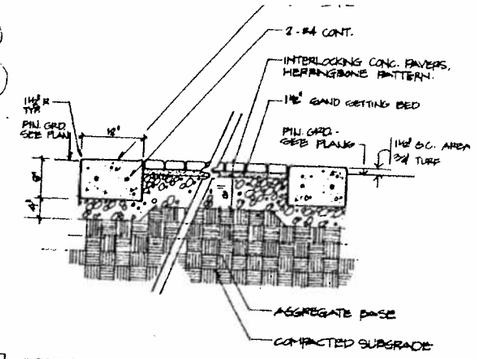
1. 20'-0" wide metal swinging gates and 21'-6" barrier gates to be tubular steel and sizes as shown on details 9/L1.6 and 9/L1.6. The 17'-6" wide metal barrier gate to be aluminum as shown on detail 4/L1.6.
2. Shop prime coat and paint the pair of 20' wide swinging gates with 2 coats of black glossy exterior metal enamel in accordance with Section 09900 Painting of the specifications.
3. Shop prime coat and paint the 17'-6" and 21'-6" wide metal barrier gates with 2 coats of white glossy exterior metal enamel in accordance with Section 09900 Painting of the specifications.



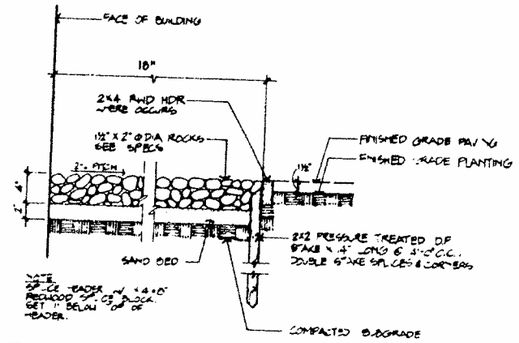
11 SLIDING GATE ELEVATION SCALE: 1/8" = 1' - 0"



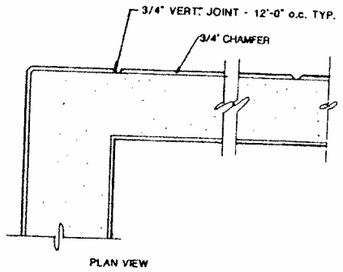
12 WROUGHT IRON GATE SCALE 1/2" = 1' - 0"



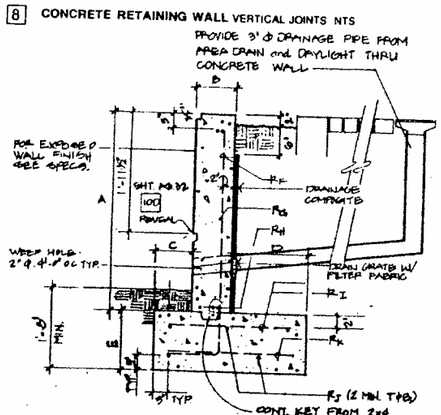
6 INTERLOCKING CONCRETE PAVERS SCALE: 1" = 1' - 0"



7 PEBBLE BAND SCALE: 1 1/2" = 1' - 0"

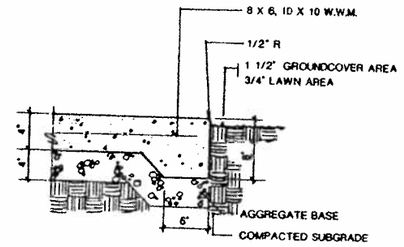


8 CONCRETE RETAINING WALL VERTICAL JOINTS NTS

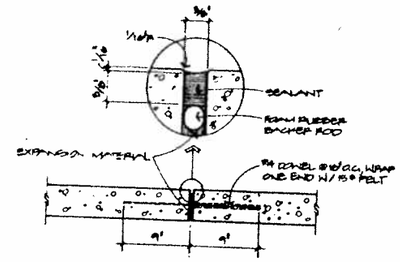


DIMENSIONS					REINFORCING					
A	B	C	D	E	R_F	R_G	R_H	R_I	R_J	R_K
3'-0" MAX	0'-9"	0'-7"	1'-8"	1'-0"	#4@ 18" o.c.	#4@ 18" o.c.	2-#4 T&B	#4@ 18" o.c.	#4@ 18" o.c.	—
6'-0" MAX	0'-9"	1'-0"	2'-7"	1'-0"	#5@ 12" o.c.	#4@ 18" o.c.	2-#4 T&B	#5@ 12" o.c.	#4@ 18" o.c.	#5@ 24" o.c.

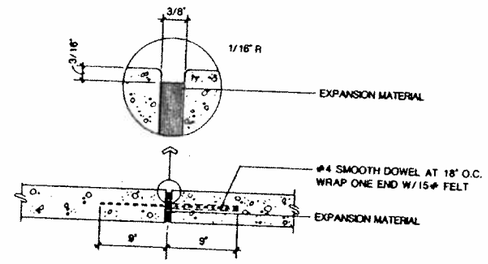
9 CONCRETE RETAINING WALL SCALE: 1" = 1' - 0"



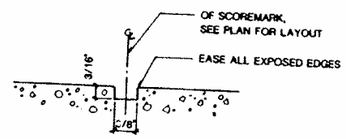
1 CONCRETE PAVING SCALE: 1 1/2" = 1' - 0"



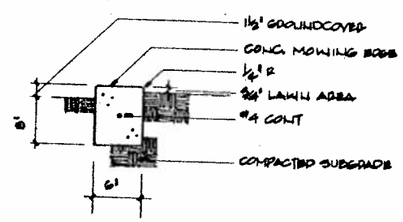
2 EXPANSION JOINT WITH SEALANT SCALE: 1 1/2" = 1' - 0"



3 EXPANSION JOINT SCALE: 1 1/2" = 1' - 0"



4 SCOREMARK FULL SCALE



5 MOWING EDGE SCALE: 1 1/2" = 1' - 0"

SMP

Stone Marraccini Patterson

Architecture
Planning
Interior Architecture

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Spear Street Tower
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San Francisco
CA 94105

415 227-0100

Architect, AIA

Tech. Coord. | Checked | Tech. Arch.

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Electrical Engineer

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San Francisco, California 94108
Landscape Architect

EARL WALLS ASSOCIATES
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San Diego, California 92121
Laboratory Architect

Laboratory Mechanical Engineer

Laboratory Electrical Engineer

Revisions

No.	Date
1	BULLETIN #1

Regional Reference Laboratory
Sherman Way at Lankershim Boulevard
North Hollywood - Los Angeles California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

SITE DETAILS

Project No. 19210.01

Date

Drawing No. L1.5

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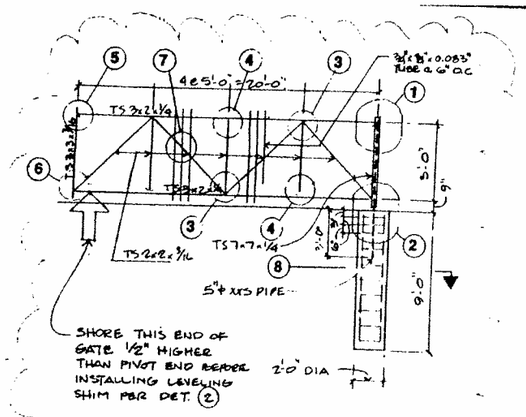
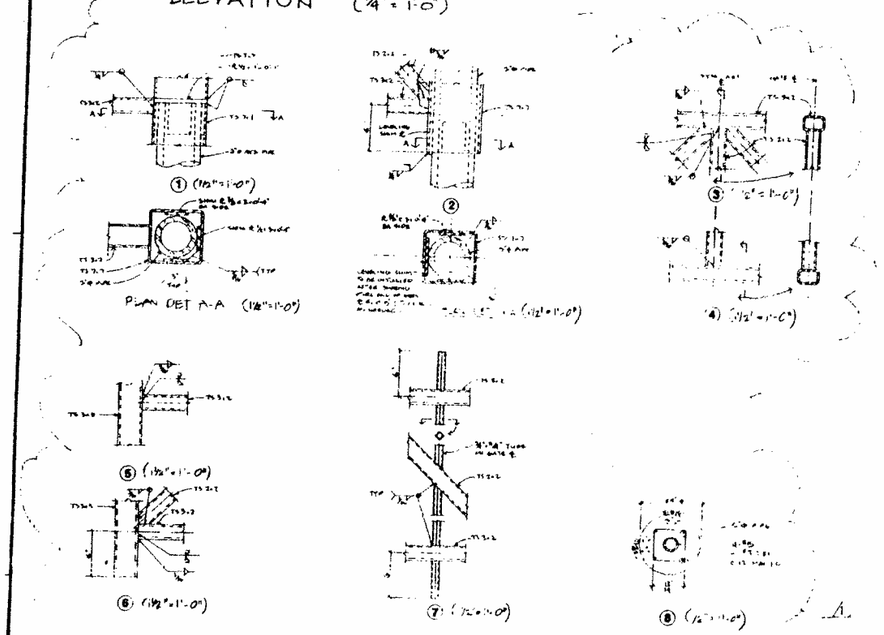
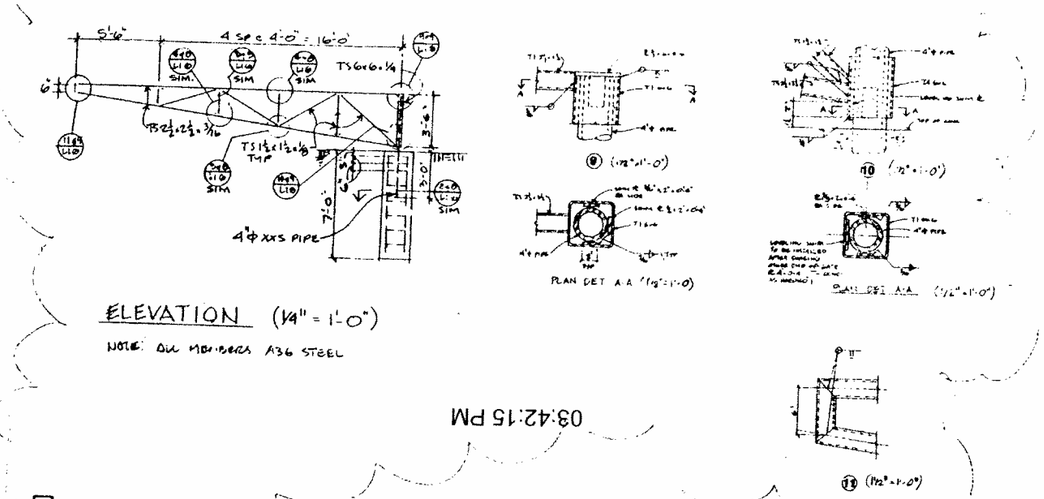


ELEVATION (1/4" = 1'-0")



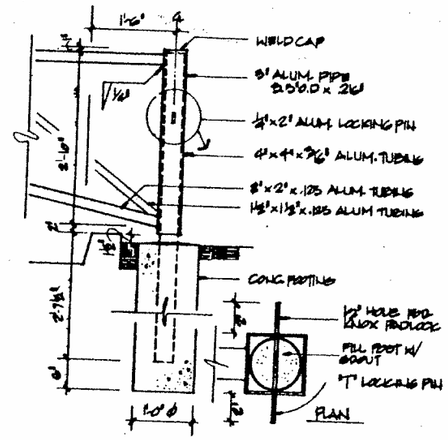
8 METAL SWINGING GATE



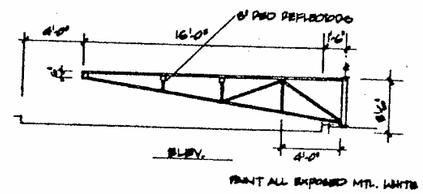
ELEVATION (1/4" = 1'-0")

NOTE: ALL MEMBERS A36 STEEL

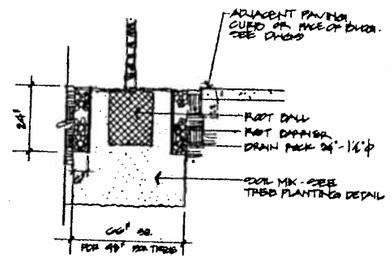
9 METAL BARRIER GATE



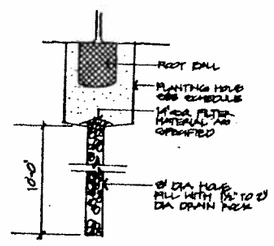
4 METAL BARRIER GATE SECTION SCALE: 1" = 1' - 0"



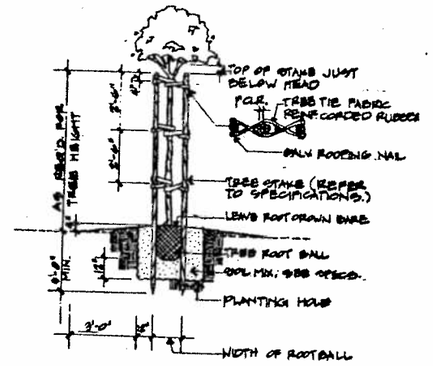
5 METAL BARRIER GATE SCALE: 1/4" = 1' - 0"



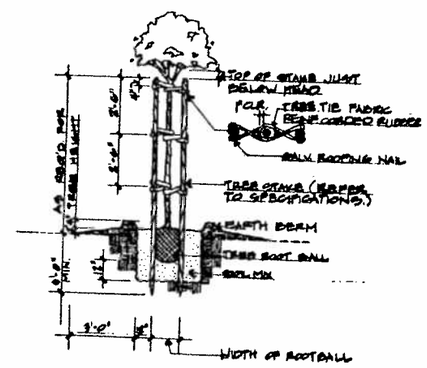
6 ROOT BARRIER NTS



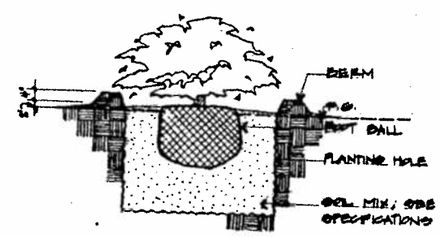
7 DRAIN HOLE NTS



1 TREE PLANTING IN LAWN NTS



2 TREE PLANTING IN GROUNDCOVER NTS



3 SHRUB PLANTING NTS

SMP

Stone
Marraccini
Patterson

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Planning
Interior Architecture

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San Francisco
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Architect, AIA

Tech. Coord. | Checked | Tech. Arch.

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Structural Engineer

GAYNER ENGINEERS
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Landscape Architect

EARL WALLS ASSOCIATES
5348 Carroll Canyon Road
San Diego, California 92121

Laboratory Architect

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Revisions

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Sherman Way at Lankershim Boulevard
North Hollywood - Los Angeles, California

Kaiser Permanente
Kaiser Permanente Medical Care Program
Southern California Region

SITE DETAILS

Project No. 19210.01

Date

Drawing No. L1.6

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