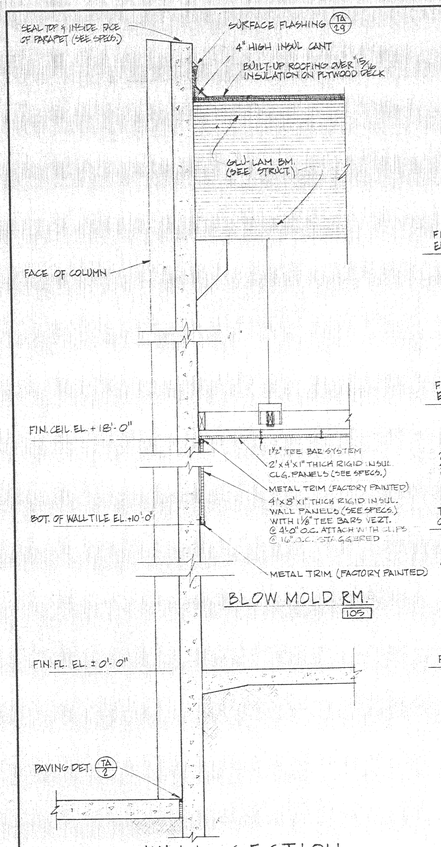
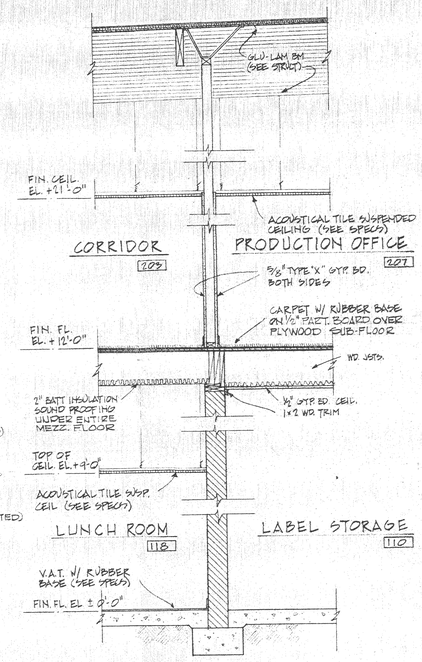
SDMS DOCID# 2148900



1 A-3 WALL SECTION
1/2" = 1'-0"



2 A-3 WALL SECTION
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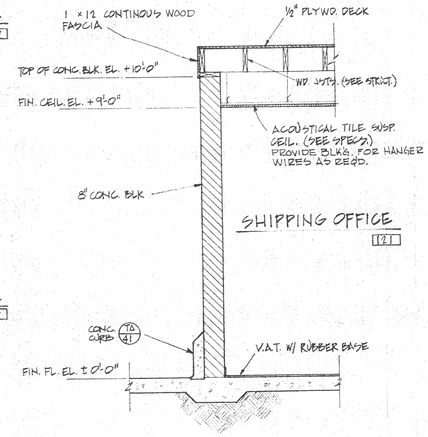

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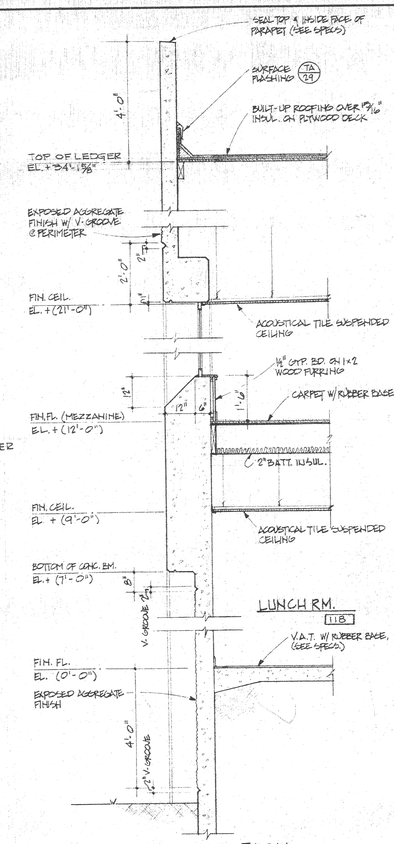
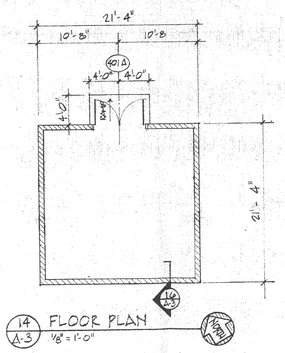
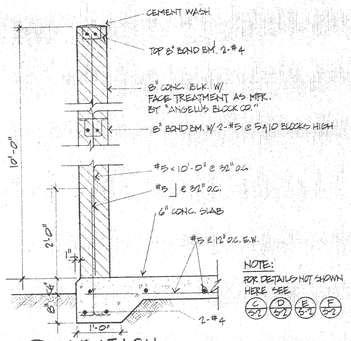


15 A-3 WALL SECTION
1/2" = 1'-0"

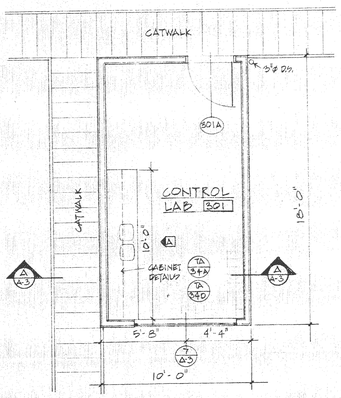


14 A-3 FLOOR PLAN
1/8" = 1'-0"

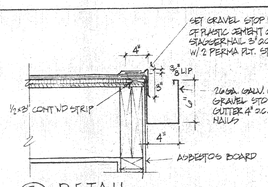
PUMP ENCLOSURE



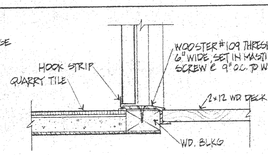
16 A-3 SECTION
3/4" = 1'-0"



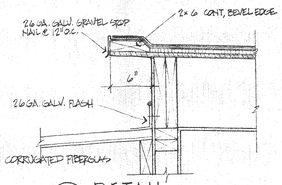
4 A-3 FLOOR PLAN
1/4" = 1'-0"



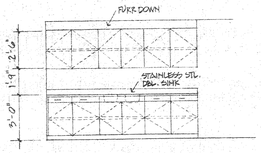
5 A-3 DETAIL
1 1/2" = 1'-0"



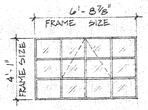
THRESHOLD @ DOOR 301A
1 1/2" = 1'-0"



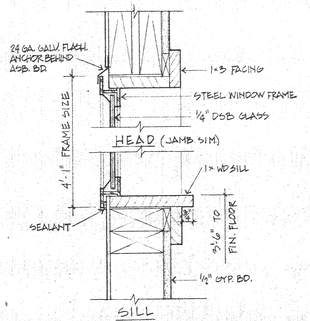
6 A-3 DETAIL
1 1/2" = 1'-0"



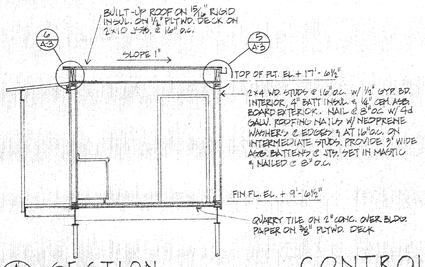
A CONTROL LAB 301



WINDOW ELEVATION
STEEL PROJECTED

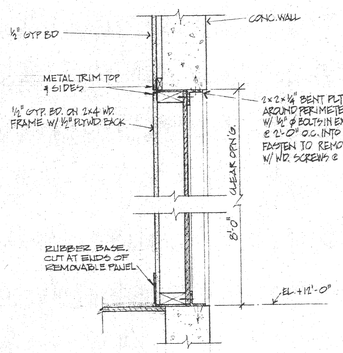


7 A-3 WINDOW DETAILS
3" = 1'-0"

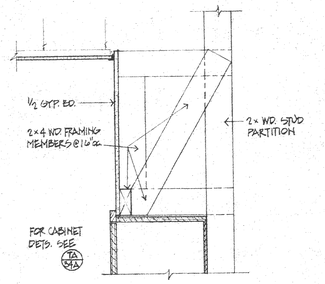


A A-3 SECTION
1/4" = 1'-0"

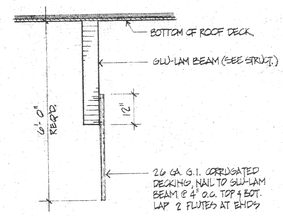
CONTROL LAB DETAILS
SEE STRUCTURAL SHEET S-11 FOR LOCATION OF THIS AREA 300



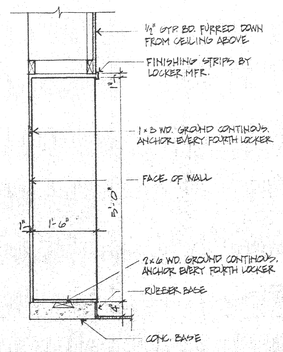
8 A-3 REMOVABLE PANEL DET.
1 1/2" = 1'-0"



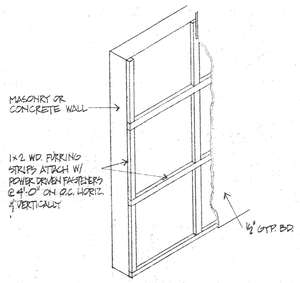
11 A-3 FURRING @ TOP CABINETS
1 1/2" = 1'-0"



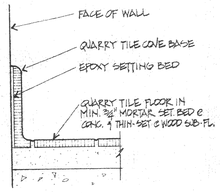
12 A-3 DRAFT STOP DETAIL
1/2" = 1'-0"



9 A-3 LOCKER DETAIL
3/4" = 1'-0"



10 A-3 FURRING DETAIL
NO SCALE



13 A-3 QUARRY TILE DETAIL
3" = 1'-0"

CONFIDENTIAL

1 of 10 SDMS # 2148900

Edward A. Bonelli

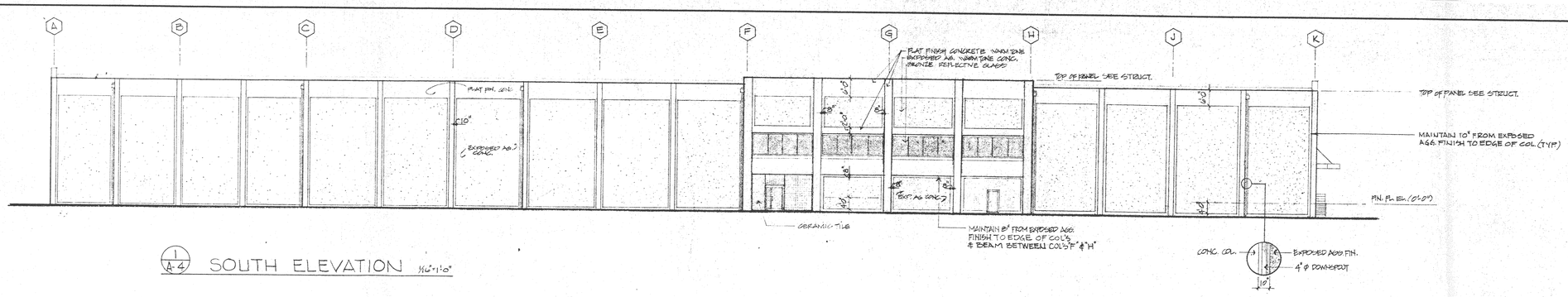
PARTIAL PLANS, SECTIONS AND DETAILS

NO.	DATE	REVISION	BY

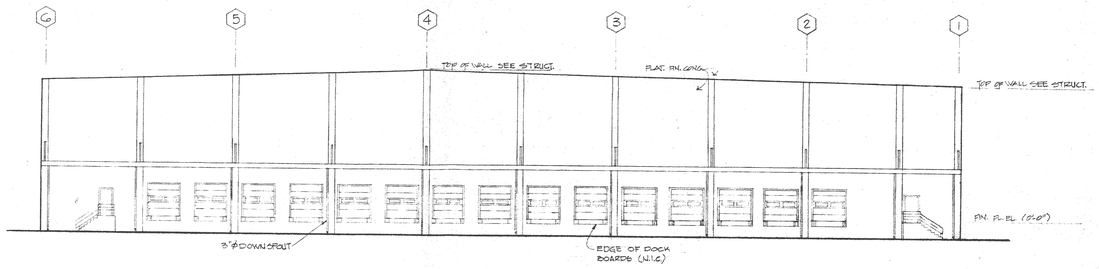
CHEMICAL PLANT
FOR
T-CHEM PRODUCTS
SANTA FE SPRINGS, CALIFORNIA

EDWARD A. BONELLI & ASSOCIATES
Architects & Engineers
612 HOWARD STREET • SAN FRANCISCO, CA 94105

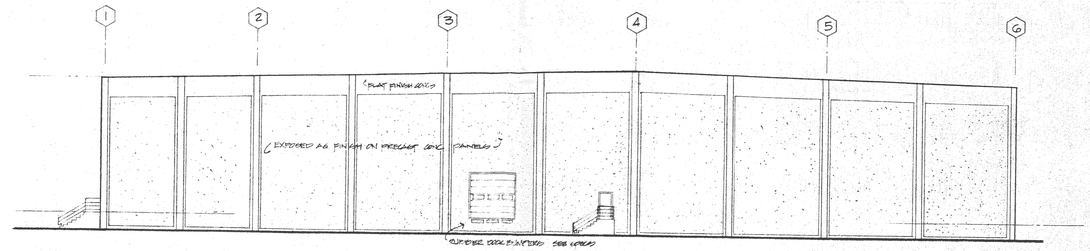
SCALE	AS NOTED
DRAWN	M.V.
CHECKED	E.A.B.
APPROVED	
DATE	8-9-76
JOB NO.	12-76
DWG. NO.	A-3



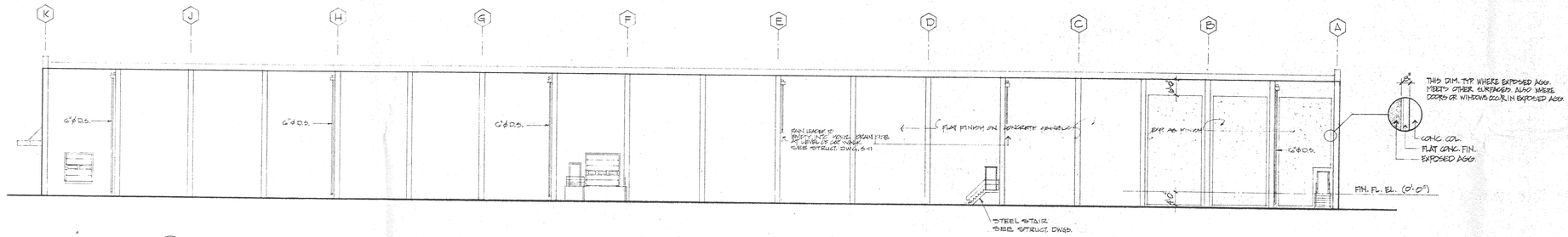
1 / A-4 SOUTH ELEVATION 1/16"=1'-0"



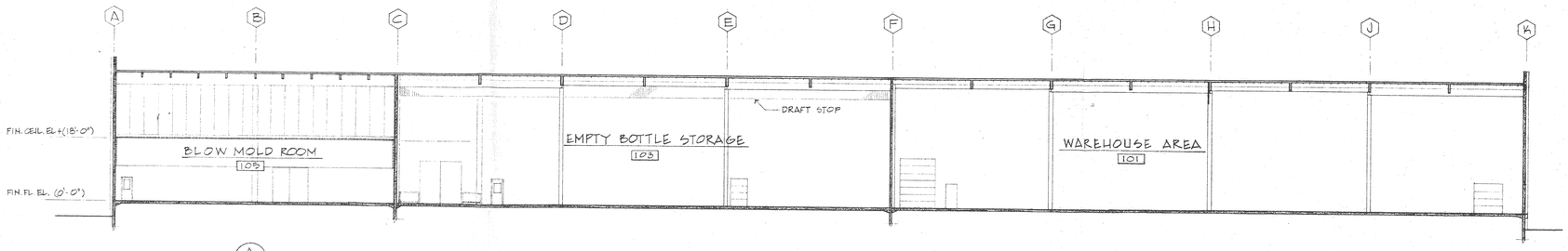
2 / A-4 EAST ELEVATION 1/16"=1'-0"



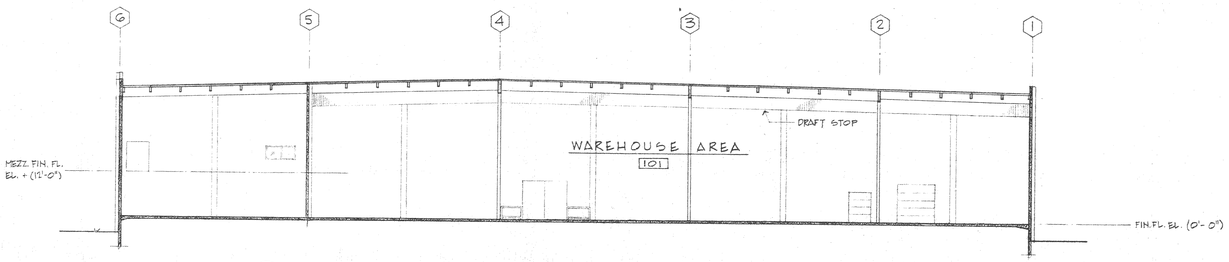
3 / A-4 WEST ELEVATION 1/16"=1'-0"



4 / A-4 NORTH ELEVATION 1/16"=1'-0"



A / A-4 BUILDING SECTION 1/16"=1'-0"



B / A-4 BUILDING SECTION 1/16"=1'-0"

EXTERIOR ELEVATIONS AND BUILDING SECTIONS

NO.	DATE	REVISION	BY

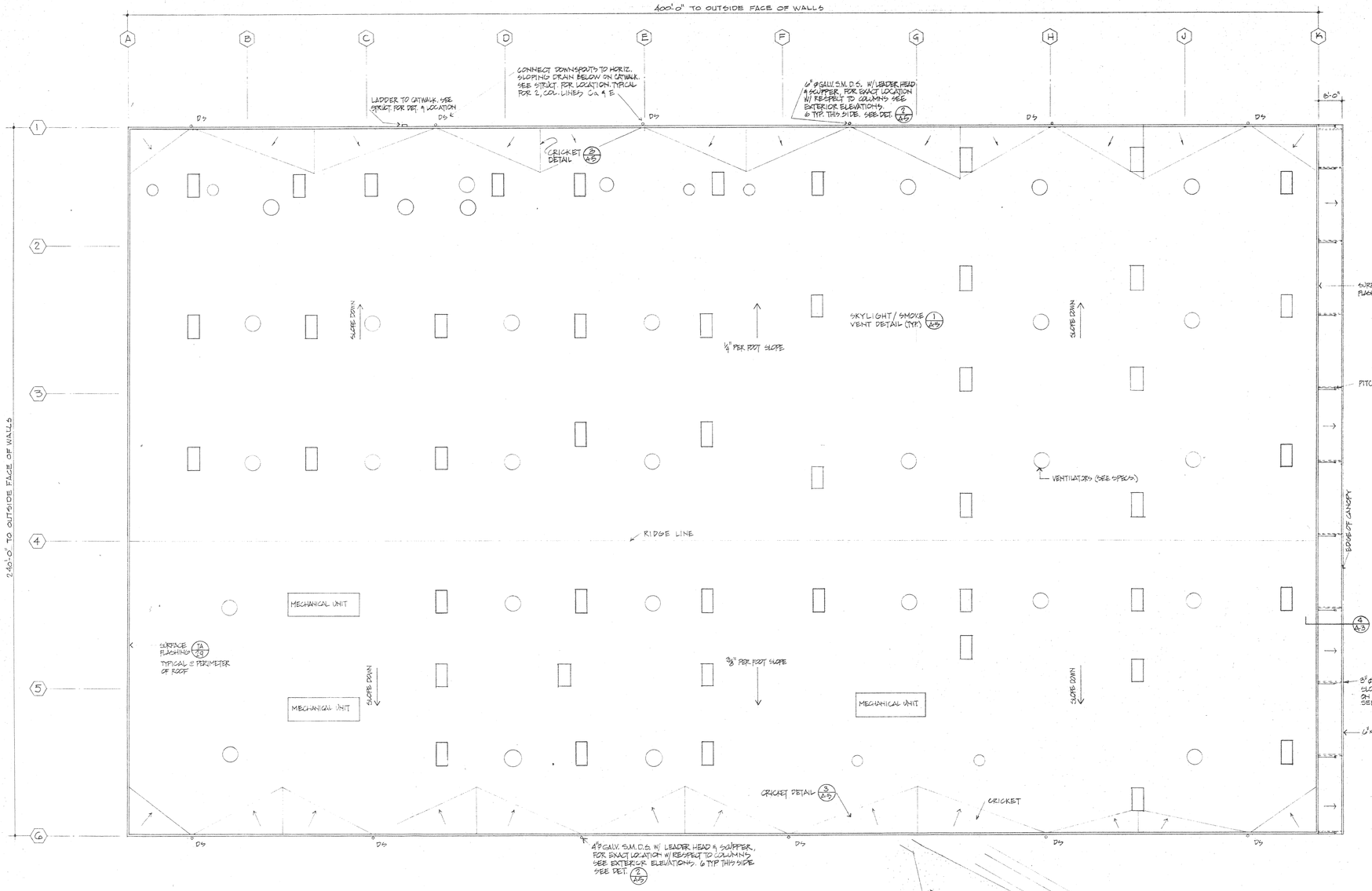
CHEMICAL PLANT
FOR
T-CHEM PRODUCTS
SANTA FE SPRINGS, CALIFORNIA

EDWARD A. BONELLI & ASSOCIATES
Architects & Engineers
612 HOWARD STREET • SAN FRANCISCO, CA 94105

SCALE 1/16"=1'-0"
DRAWN M.B.V.
CHECKED E.A.B.
APPROVED
DATE 8-9-76
JOB NO. 12-76
DWG. NO. A-4

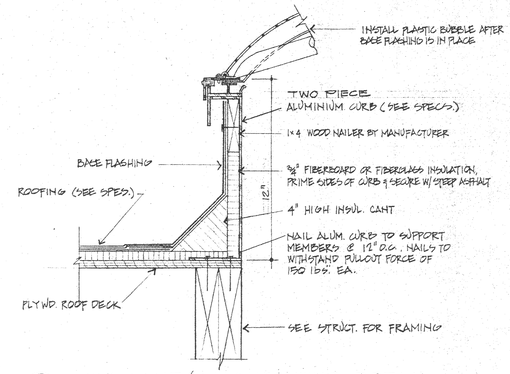
2 of 10 SDMS# 2148900

PRINTED ON DIEPO NO. 1000H CLEARPRINT 6-74

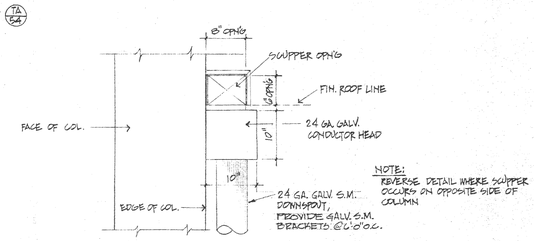


A/A-5 ROOF PLAN 1/16" = 1'-0"

NOTES:
1. FOR PIPE PENETRATIONS THRU ROOF SEE 7A/D1A
2. FOR MECH. EQUIP. CURB SEE 7A/D5
3. FOR VENTILATOR BASE SEE 7A/D3
4. SEE MECH. & PLUG. DWGS. FOR ITEMS NOT SHOWN

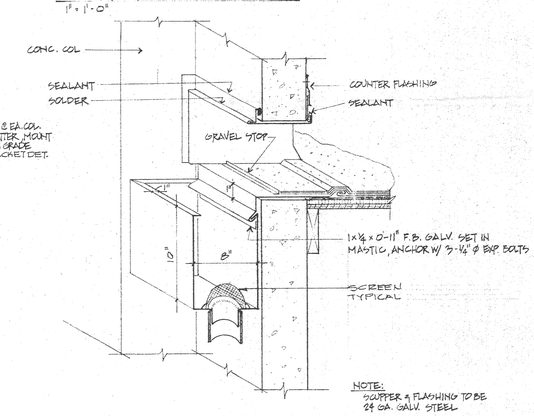


1/A-5 SKYLIGHT/SMOKE VENT DETAIL
3/4" = 1'-0"

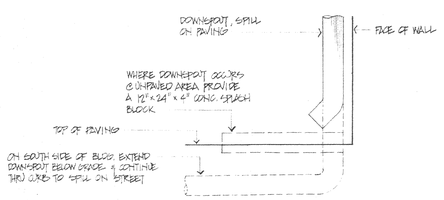


NOTE:
REVERSE DETAIL WHERE SCUPPER OCCURS ON OPPOSITE SIDE OF COLUMN

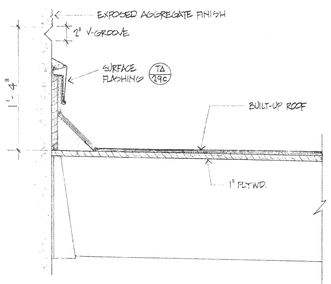
SCUPPER ELEVATION
1" = 1'-0"



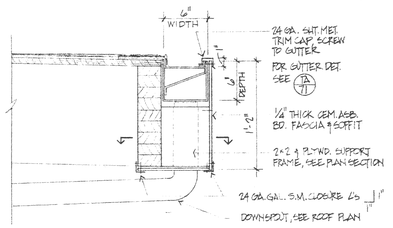
NOTE:
SCUPPER & FLASHING TO BE 24 GA. GALV. STEEL

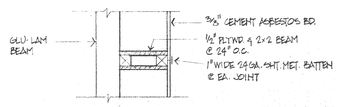


3/A-3 DOWNSPOUT DETAIL
1" = 1'-0"

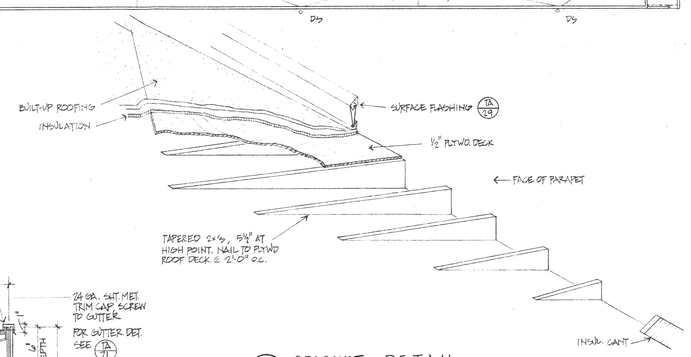


4/A-3 SECTION THRU CANOPY
1½" = 1'-0"

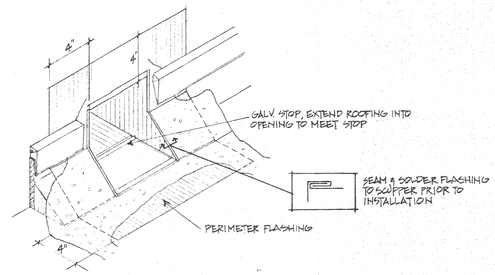




PLAN SECTION
1½" = 1'-0"



3/A-5 CRICKET DETAIL
NO SCALE



2/A-5 SCUPPER DETAILS
NO SCALE

ROOF PLAN AND DETAILS

NO.	DATE	REVISION	BY

CHEMICAL PLANT
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T-CHEM PRODUCTS
SANTA FE SPRINGS, CALIFORNIA

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Architects & Engineers
612 HOWARD STREET • SAN FRANCISCO, CA 94105

SCALE	AS NOTED
DRAWN	M.B.V.
CHECKED	E.A.B.
APPROVED	
DATE	8-9-76
JOB NO.	12-76
DWG. NO.	A-5

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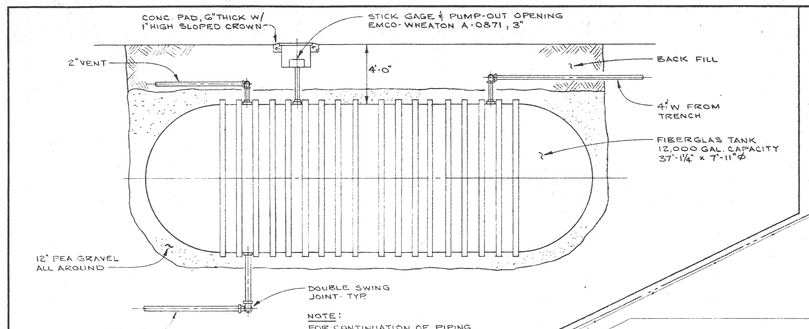
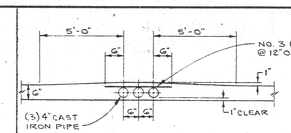
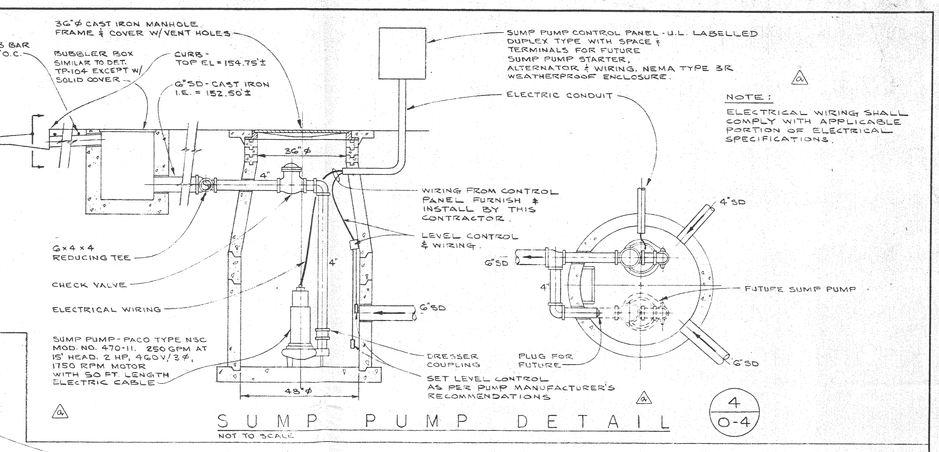


WASTE WATER STORAGE TANK DETAIL (5 / 0-4)

NOT TO SCALE

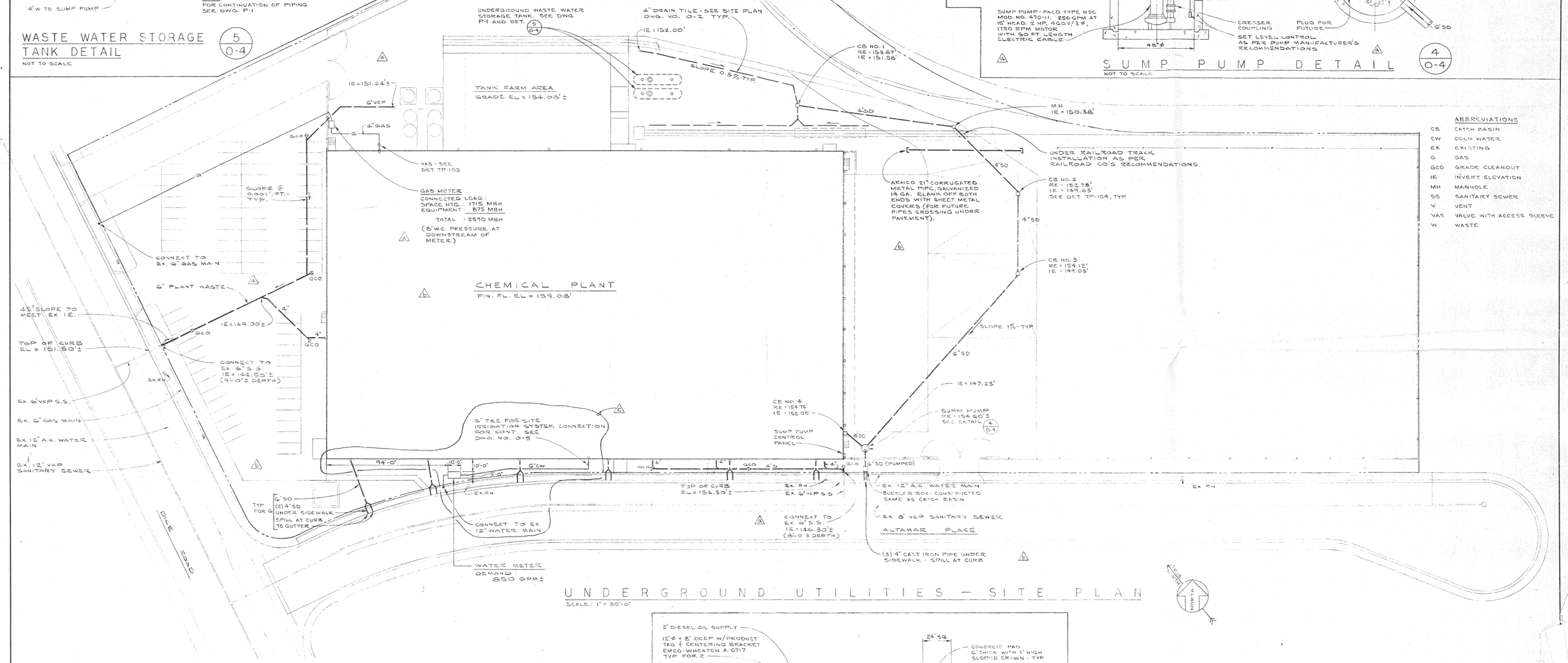


CURB ELEVATION



SUMP PUMP DETAIL (4 / 0-4)

NOT TO SCALE

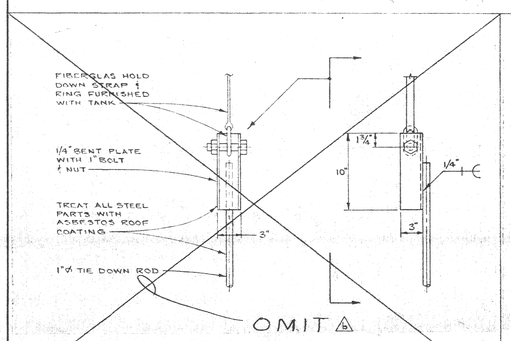


UNDERGROUND UTILITIES — SITE PLAN

SCALE: 1" = 30'-0"

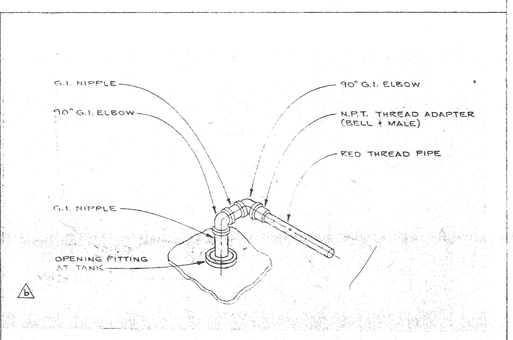
ABBREVIATIONS

CB	CATCH BASIN
CW	COLD WATER
EX	EXISTING
G	GAS
GCO	GRADE CLEANOUT
IE	INVERT ELEVATION
MH	MANHOLE
SS	SANITARY SEWER
V	VENT
VAS	VALVE WITH ACCESS SLEEVE
W	WATER



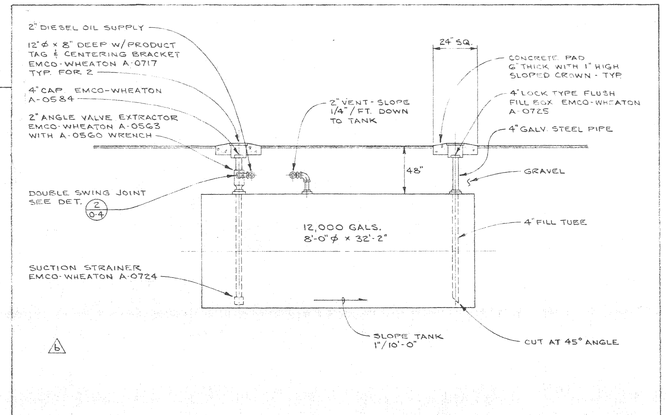
STRAP ANCHORING DETAIL (1 / 0-4)

NOT TO SCALE



DOUBLE SWING JOINT DETAIL (2 / 0-4)

NOT TO SCALE



DEISEL OIL STORAGE TANK DETAIL (3 / 0-4)

NOT TO SCALE

UNDERGROUND UTILITIES SITE PLAN

NO.	DATE	REVISION	BY
1	8-20-76	ADDENDUM NO. 1	CW
2	10-13-76	PLAN CHANGE NO. 1	CW
3	2-15-77	PLAN CHANGE NO. 9	CW

CHARLES / CIMI / BRAUN CONSULTING ENGINEERS
San Francisco, California
(415) 434-2720

CHEMICAL PLANT
FOR
T-CHEM PRODUCTS
SANTA FE SPRINGS, CALIFORNIA

EDWARD A. BONELLI & ASSOCIATES
Architects & Engineers
612 HOWARD STREET • SAN FRANCISCO, CA 94105

SCALE AS NOTED
DRAWN SL
CHECKED CW
APPROVED
DATE AUG 9, 76
JOB NO. 12-76
DWG. NO. 0-4c

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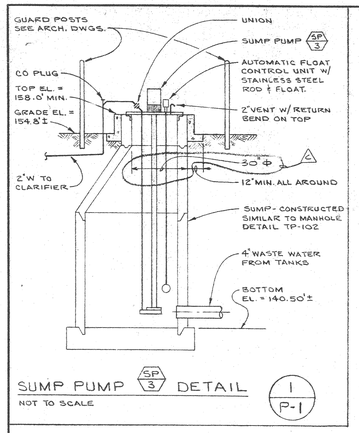
4 of 10 SPMS # 2148900

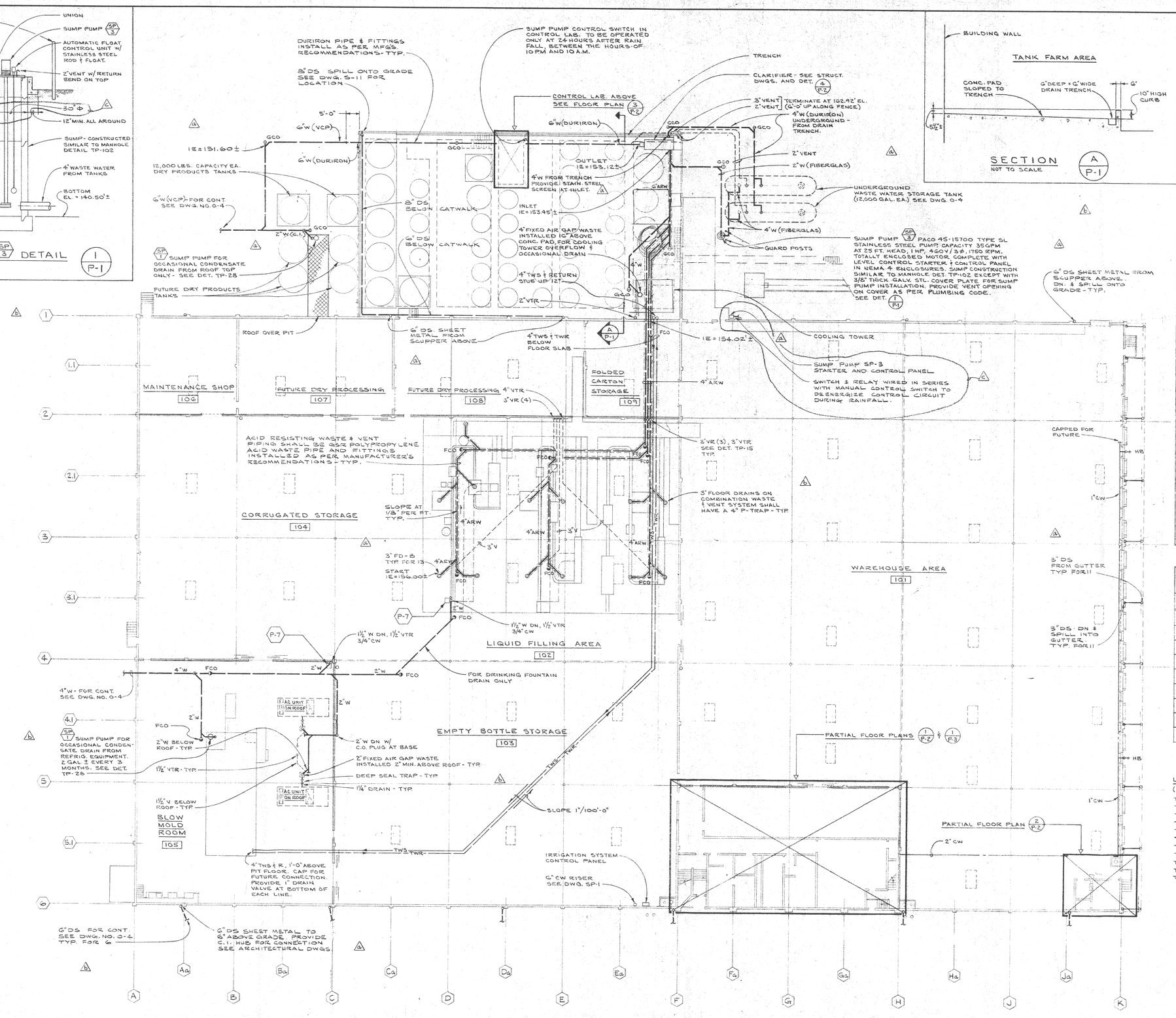


SUMP PUMP (SP 3) DETAIL (1 / P-1)

NOT TO SCALE

SECTION (A / P-1)

NOT TO SCALE



PLUMBING — FLOOR PLAN

SCALE: 1/16" = 1'-0"

PLUMBING LEGEND

SYMBOL	ABBR.	DESCRIPTION
PW	PW	PLANT WASTE
	S OR W	SOIL OR WASTE BELOW FLOOR OR GRADE
	S OR W	SOIL OR WASTE ABOVE FLOOR OR GRADE
IW	IW	INDIRECT WASTE - COPPER TYPE DWV
SD	SD	STORM DRAIN BELOW GRADE
RWL	RWL	RAIN WATER LEADER ABOVE FLOOR OR GRADE
	V	VENT
	CW	COLD WATER
	HW	HOT WATER
G	G	GAS
TWS(R)	TWS(R)	TOWER WATER SUPPLY OR RETURN
ARW	ARW	ACID RESISTANT WASTE BELOW FLOOR OR GRADE.
	GCO	GRADE CLEANOUT
	FCO	FLOOR CLEANOUT
	WCO	WALL CLEANOUT
	FD	FLOOR DRAIN
	FS	FLOOR SINK
	RD	ROOF DRAIN
	FLD	FUNNEL DRAIN
	GO	GAS OUTLET
	HB	HOSE BIBB
	GV	GATE VALVE
	GC	GAS COCK
	AO	AIR OUTLET
	AG	AIR GAP WASTE
	AP	ACCESS PANEL
	BOP	BOTTOM OF PIPE OR PIPE INSULATION ELEVATION
	CI	CAST IRON
	CLG	CEILING
	CONT	CONTINUATION
	DN	DOWN
	DS	DOWNSPOUT (SAME AS STORM DRAIN PIPING)
	EX	EXISTING
	IE	INVERT ELEVATION
	IPC	IN PIPE CHASE
	NIC	NOT IN CONTRACT
	POC	POINT OF CONNECTION
	SA	SHOCK ABSORBER
	TPR	TRAP PRIMER
	VR	VENT RISER
	VTR	VENT THRU ROOF

(A / P-1) — SECTION LETTER / DRAWING NUMBER WHERE SECTION SHOWN

(1 / P-1) — DETAIL NUMBER / DRAWING NUMBER WHERE DETAIL SHOWN

FIXTURE SCHEDULE

MARK	DESCRIPTION	CW	HW	S OR W	V
P-1	WATER CLOSET	1¼"	—	4"	2"
P-1A	WATER CLOSET - FLOOR OUTLET	1¼"	—	4"	2"
P-2	URINAL	1"	—	3"	2"
P-3	LAVATORY	3/4"	3/4"	1½"	1½"
P-4	MOP SINK	3/4"	3/4"	3"	2"
P-5	LUNCH ROOM SINK	3/4"	3/4"	2"	1½"
P-6	LAB. SINK	3/4"	3/4"	2"	1½"
P-7	ELECT. WATER COOLER	3/4"	—	1½"	1½"
P-8	ELECT. WATER COOLER	3/4"	—	1½"	1½"

LIST OF TYPICAL DETAILS

(8½ x 11 DRAWINGS BOUND WITH THE SPECIFICATION SET)

TP-5 TRAP PRIMER PIPING DETAIL
TP-6 ELECTRIC WATER HEATER PIPING DETAIL
TP-7 " " " " "
TP-10 DRAIN PAN DETAIL
TP-15 PIPING AT PIPE COLUMN OR WALL DETAIL
TP-18 PIPE IN PIPE CHASE DETAIL
TP-28 SUMP PUMP DETAIL
TP-101 GRADE CLEANOUT DETAIL
TP-102 MANHOLE DETAIL
TP-103 VALVE ACCESS SLEEVE DETAIL
TP-104 CATCH BASIN DETAIL

PLUMBING FLOOR PLAN, LEGEND & SCHEDULE

NO.	DATE	REVISION	BY
1	8-20-76	ADDENDUM NO. 1	CW
2	10-13-76	PLAN CHANGE NO. 1	CW
3	11-8-76	PLAN CHANGE NO. 2	CW

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CHEMICAL PLANT
FOR
T-CHEM PRODUCTS
SANTA FE SPRINGS, CALIFORNIA

EDWARD A. BONELLI & ASSOCIATES
Architects & Engineers
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SCALE AS NOTED
DRAWN BC
CHECKED CW
APPROVED
DATE AUG. 9, 76
JOB NO. 12-76
DWG. NO. P-1c

5 of 10 SDMS # 2148900

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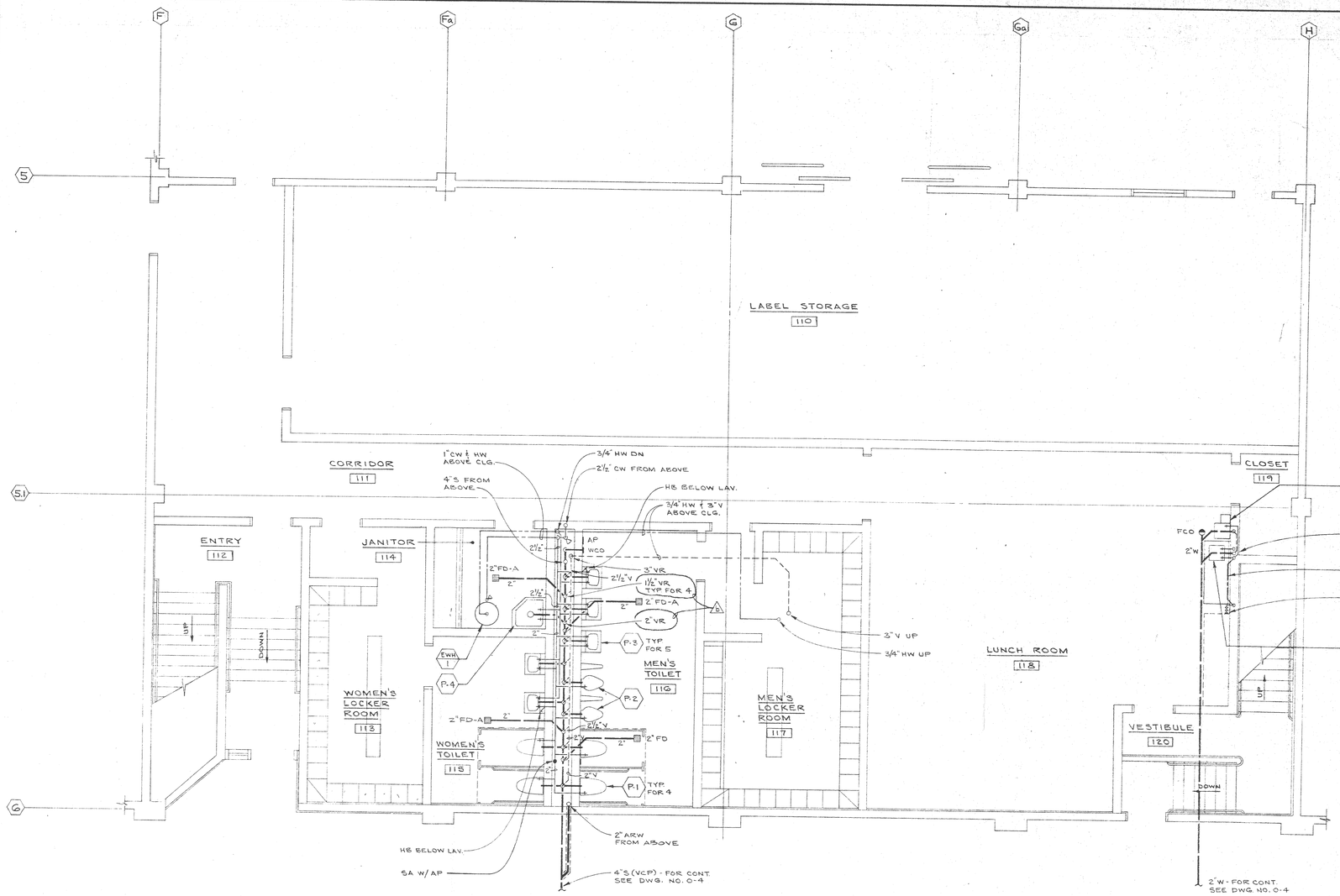
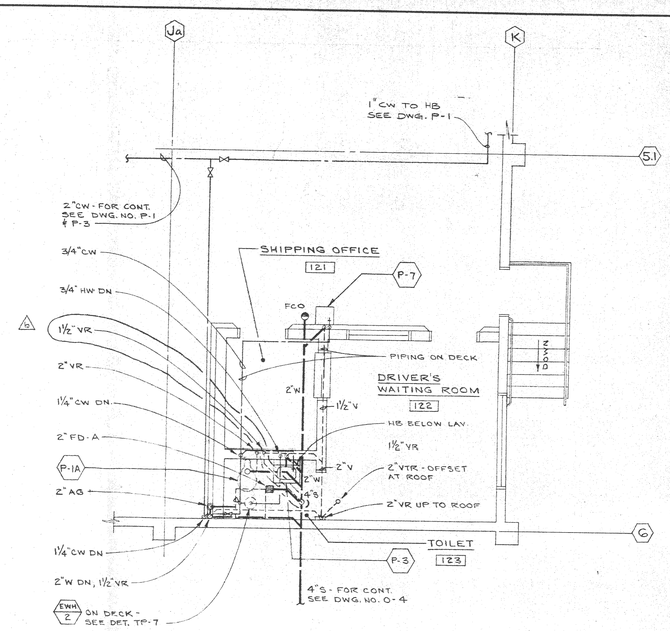


PLUMBING - PARTIAL FLOOR PLAN

SCALE: 1/4" = 1'-0"

NORTH

1 / P-2

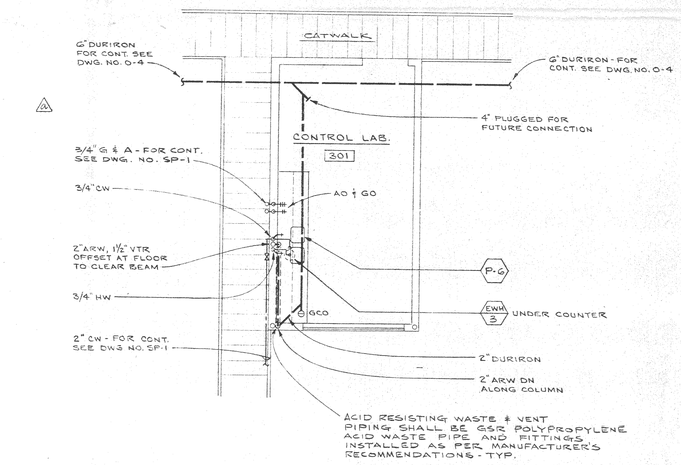


PLUMBING - PARTIAL FLOOR PLAN

SCALE: 1/4" = 1'-0"

NORTH

2 / P-2

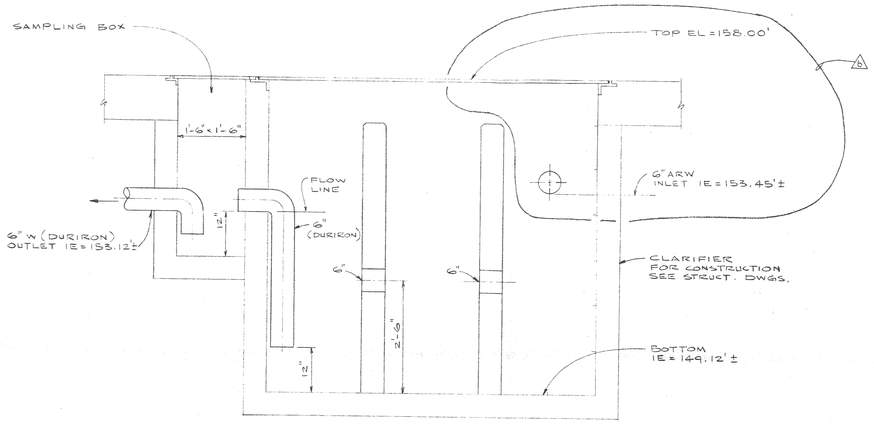


PLUMBING - FLOOR PLAN

SCALE: 1/4" = 1'-0"

NORTH

3 / P-2



CLARIFIER DETAIL

SCALE: 3/4" = 1'-0"

4 / P-2

PLUMBING PARTIAL FLOOR PLANS

NO.	DATE	REVISION	BY
6	8-20-76	ADDENDUM NO. 1	CW
5	10-13-76	PLAN CHANGE NO. 1	CW

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DRAWN	BC
CHECKED	CW
APPROVED	
DATE	AUG. 9, 76
JOB NO.	12-76
DWG. NO.	P-2b

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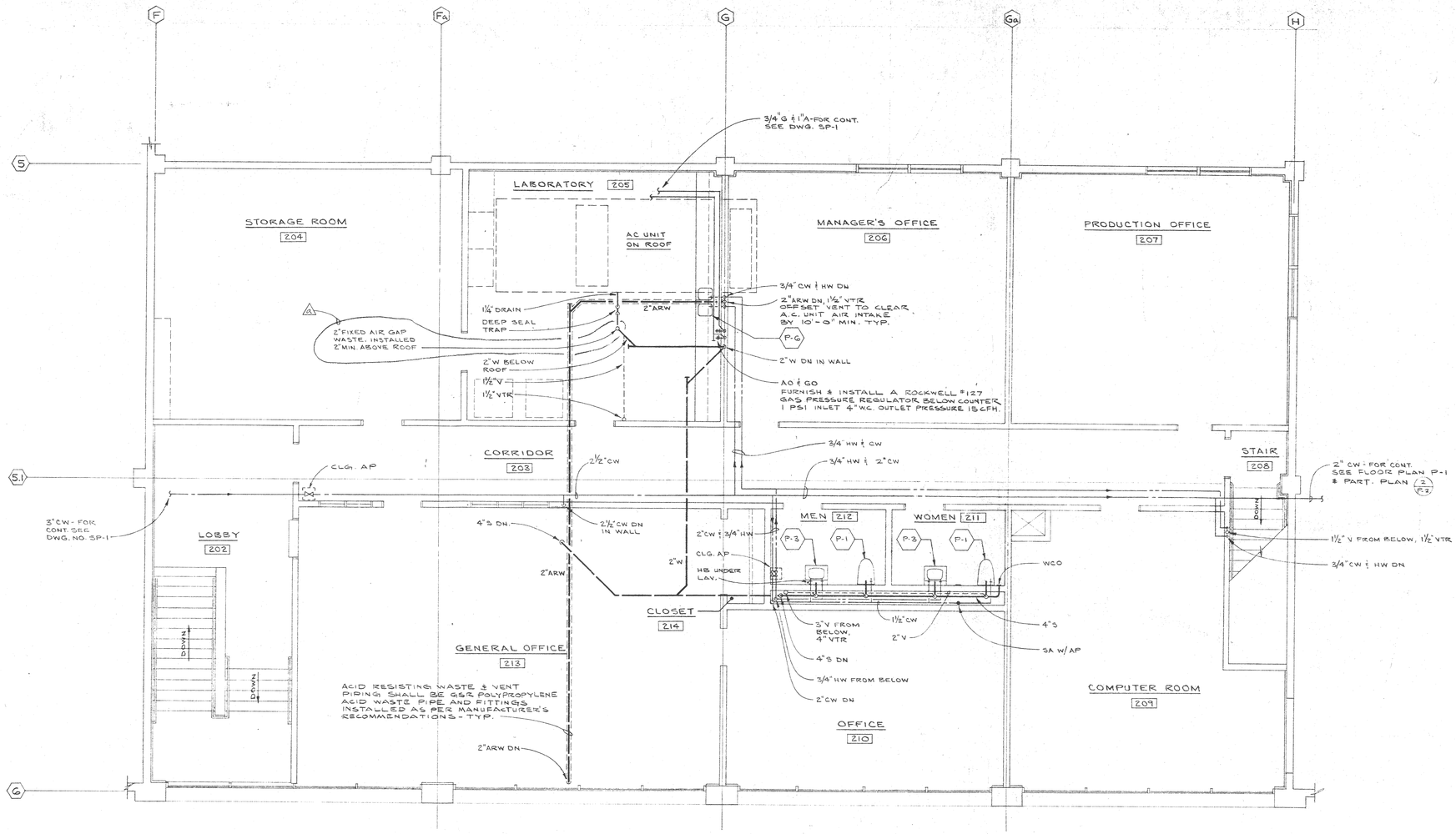

PLUMBING — MEZZANINE FLOOR PLAN

SCALE: 1/4" = 1'-0"

NORTH

1 / P-3

SUMP PUMP SCHEDULE

MARK	DESCRIPTION
SP 1 & SP 2	PACIFIC PUMP CO. SUBMERSIBLE SUMP PUMP TYPE M55 CAPACITY 51 GPM AT 20 FT. HEAD, 2" DISCHARGE, COMPLETE WITH AUTOMATIC LEVEL CONTROL. 1/2 HP, 460V, 3 ϕ.

ELECTRIC WATER HEATER SCHEDULE

MARK	DESCRIPTION
EWH 1	NATIONAL STEEL CONSTRUCTION CO. N40C, 40 GALLONS STORAGE CAPACITY WITH A 9 KW, 460V-3ϕ HEATING ELEMENT TO HEAT 36 GPH OF WATER AT 100°F TEMPERATURE RISE COMPLETE WITH CONTACTOR BOX AND TEMPERATURE RELIEF VALVE. PIPE RELIEF VALVE DISCHARGE TO OUTSIDE OF BUILDING AS PER CODE.
EWH 2 & EWH 3	NATIONAL STEEL CONSTRUCTION CO. NSG-1½, 1½ GALLON CAPACITY 750 W, 120V-1ϕ. PROVIDE RELIEF VALVE AS REQ'D.

FLOOR DRAIN SCHEDULE

MARK	DESCRIPTION
FD-A (TOILETS)	J.R. SMITH FIG. 2010-B W/ 6" SQUARE STRAINER GALVANIZED.
FD-B (FILLING AREA)	R & G SLOANE MANUFACTURING CO. NO. 7750 POLYPROPYLENE FLOOR DRAIN 3" OUTLET WITH TRACTOR TYPE GRADE.
F.S.	J.R. SMITH FIG. 3020-10 WITH DOME BOTTOM STRAINER, GALVANIZED, INSTALLED RIM EL. 2"± ABOVE ROOF FOR COOLING COIL CONDENSATE DRAINS.

PLUMBING MEZZANINE FLOOR PLAN

NO.	DATE	REVISION	BY
1	10-13-76	PLAN CHANGE NO. 1	CW

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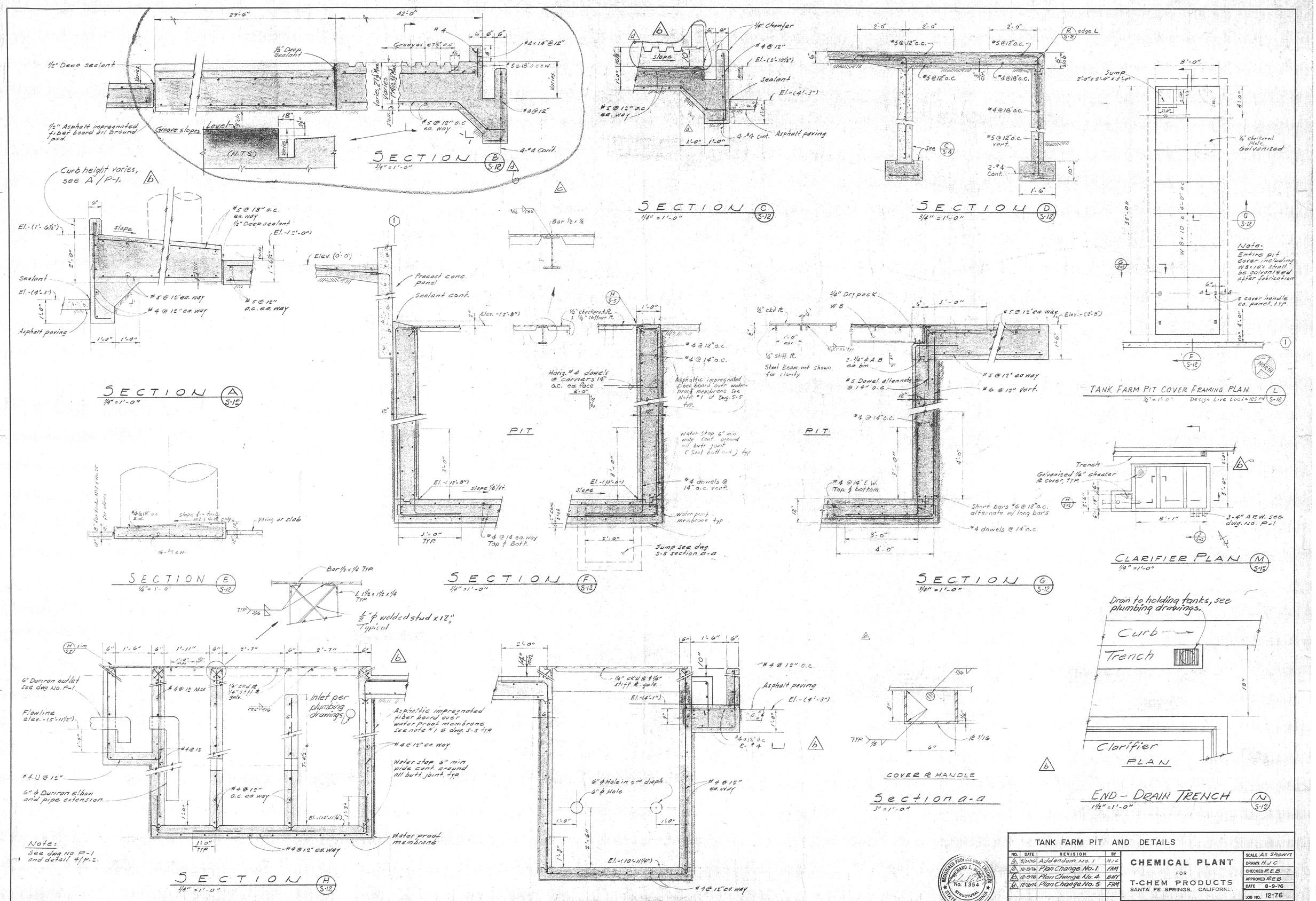

NO.	DATE	REVISION	BY
1	8-24-76	Addendum No. 1	HJC
2	10-13-76	Plan Change No. 1	FAM
4	12-8-76	Plan Change No. 4	BET
5	12-20-76	Plan Change No. 5	FAM

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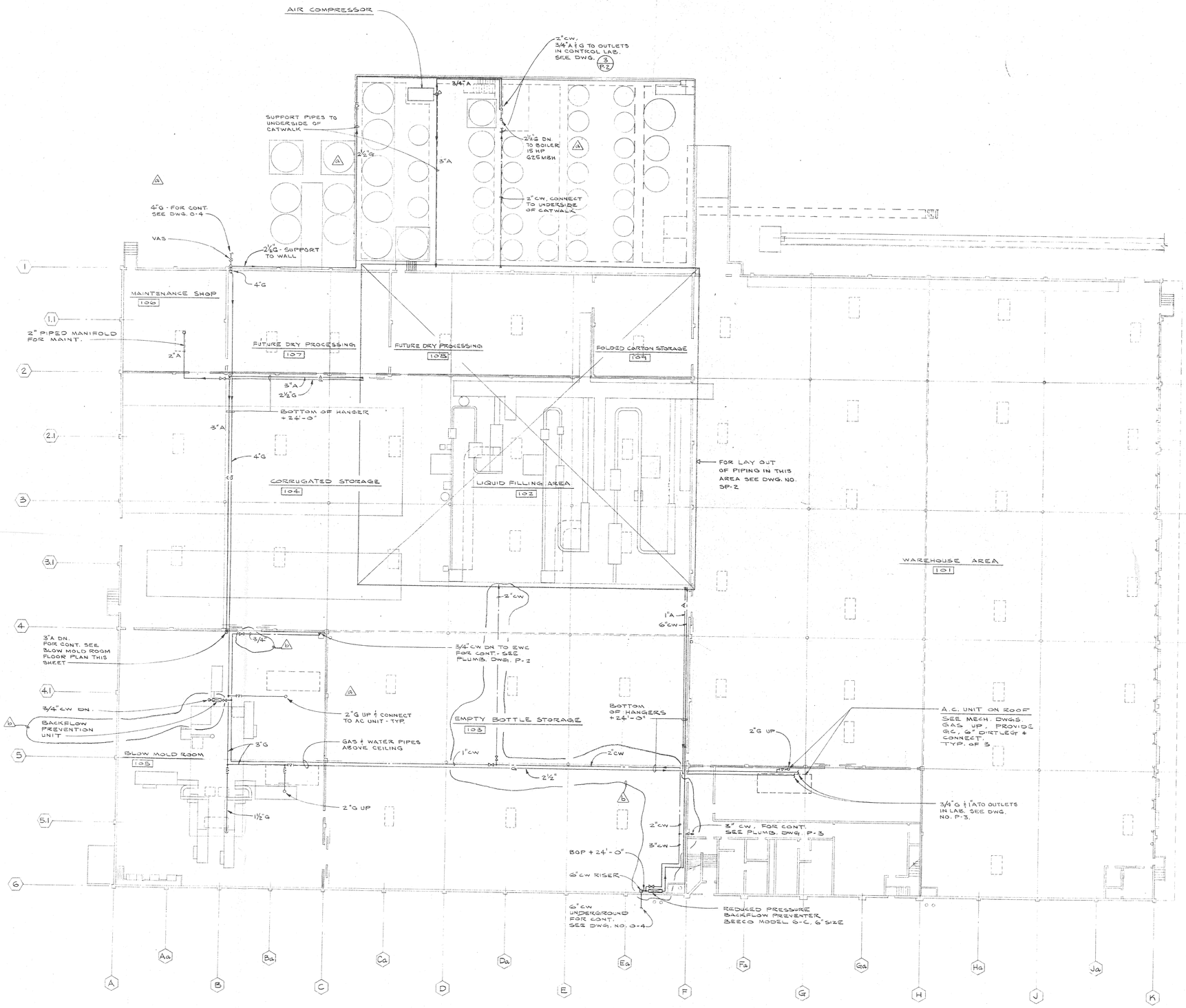


FLOOR PLAN

SCALE: 1/16" = 1'-0"

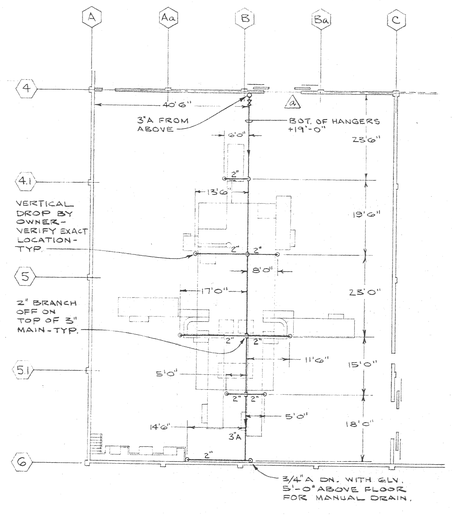
NORTH

SERVICE PIPING LEGEND

SYMBOL	ABBR.	DESCRIPTION
	CW	COLD WATER
A	A	AIR
G	G	GAS
	GV	GATE VALVE
	GLV	GLOBE VALVE
	CKV	CHECK VALVE
	STR	STRAINER
	GC	GAS COCK
	AO	AIR OUTLET
	GO	GAS OUTLET
	BOP	BOTTOM OF PIPE OR PIPE INSULATION ELEVATION
	CONT	CONTINUATION
	DET	DETAIL
	DN	DOWN
	EWC	ELECTRIC WATER COOLER

A / SP-1 — SECTION LETTER / DRAWING NUMBER WHERE SECTION SHOWN

1 / SP-1 — DETAIL NUMBER / DRAWING NUMBER WHERE DETAIL SHOWN.



BLOW MOLD ROOM FLOOR PLAN

SCALE: 1/16" = 1'-0"

SERVICE PIPING FLOOR PLAN

NO.	DATE	REVISION	BY
A	8/20/76	ADDENDUM NO. 1	CW
B	8/13/76	PLAN CHANGE NO. 1	CW

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SCALE	AS NOTED
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DATE	AUG. 9, 76
JOB NO.	12-76
DWG. NO.	SP-1b

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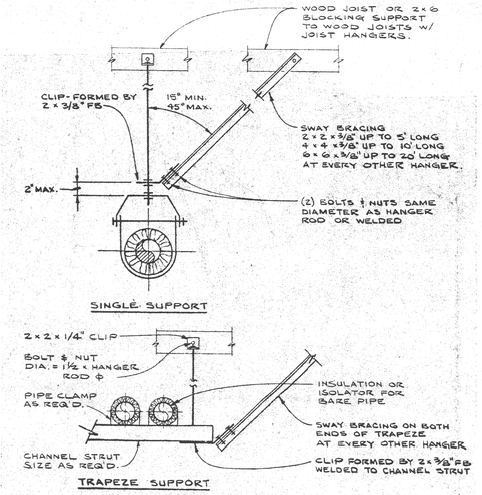
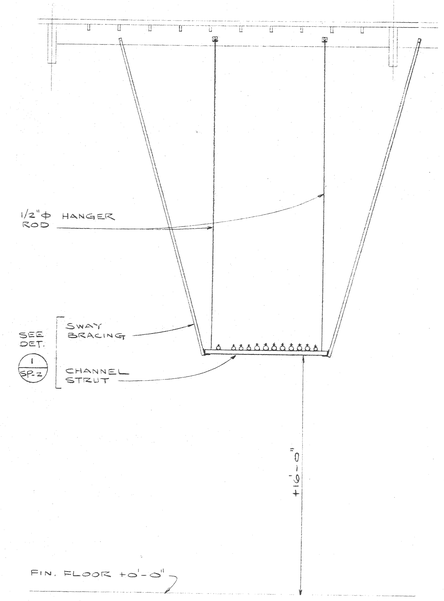


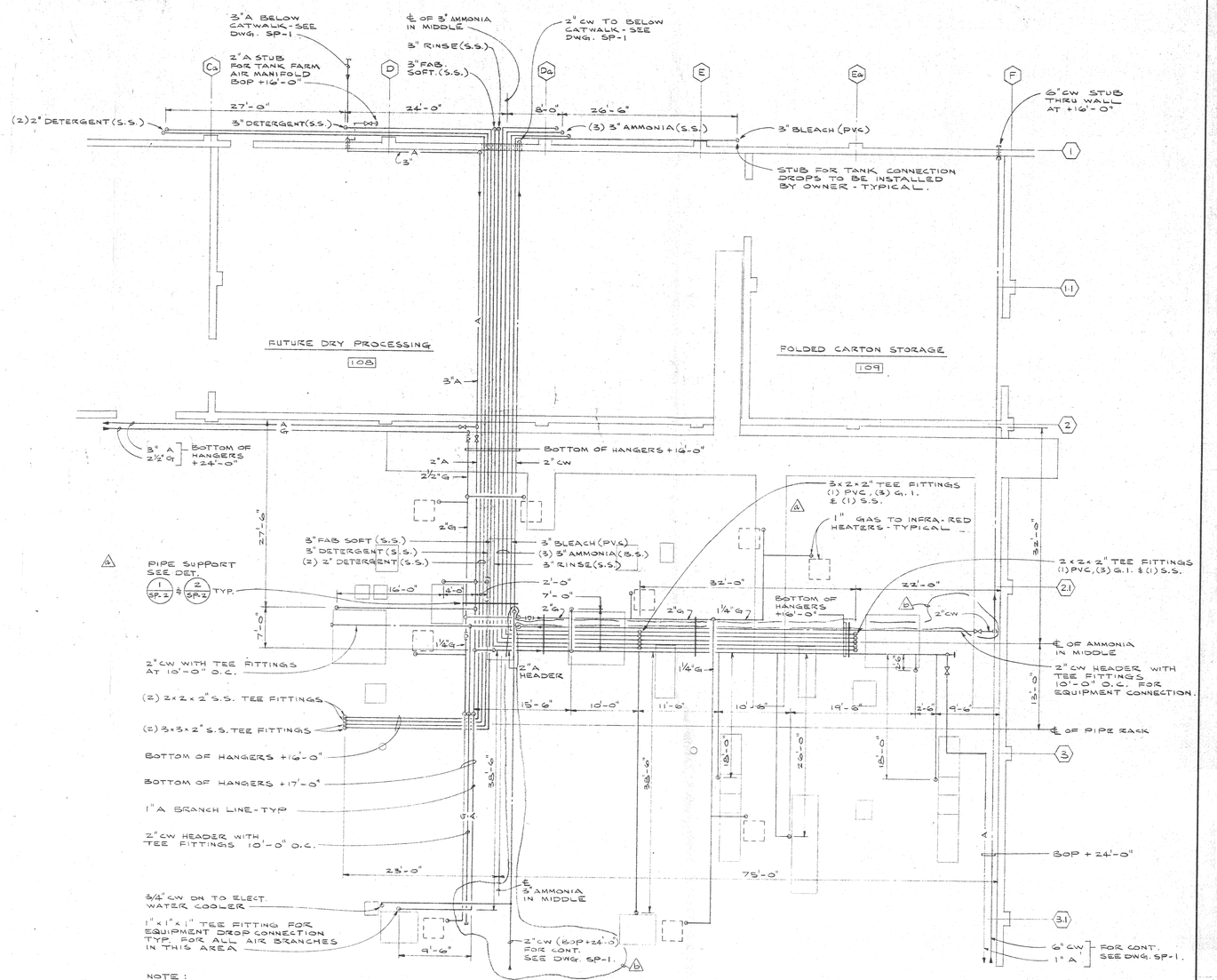
PIPE SUPPORT AND SWAY BRACING DETAIL (1 / SP-2)

SCALE: NONE



PIPE SUPPORT DETAIL (2 / SP-2) △A

SCALE: 1/4" = 1'-0"



NOTE:

ALL PIPE DROP TO EQUIPMENT CONNECTIONS SHALL BE INSTALLED BY OWNER. CONTRACTOR SHALL PROVIDE TEE FITTINGS ON PIPE AS SHOWN. VERIFY EXACT LOCATION WITH OWNER PRIOR TO FABRICATION.

PART. FLOOR PLAN (LIQUID FILLING AREA)

SCALE: 1/8" = 1'-0"

PART. FLOOR PLAN & DETAILS

NO.	DATE	REVISION	BY
△A	8-20-76	ADDENDUM NO. 1	CW
△B	10-13-76	PLAN CHANGE NO. 1	CW

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CHECKED	CW
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DWG. NO.	SP-2b

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