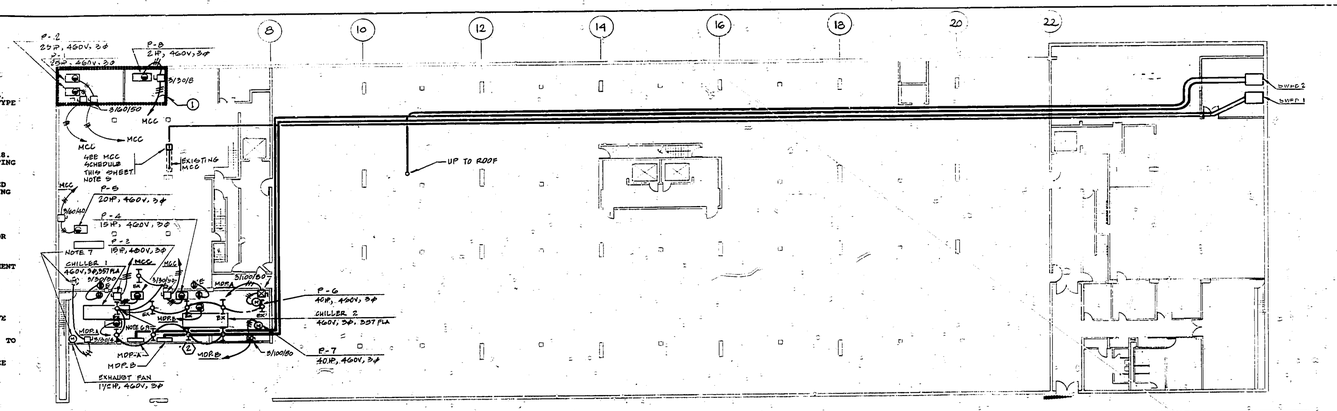
NOTES:

1. SEE DRAWING C-1 FOR SYMBOL LIST.
2. EXISTING SWITCHBOARD IS MANUFACTURED BY FEDERAL PACIFIC (FPE) WITH LOW VOLTAGE POWER CIRCUIT BREAKER MODEL FPE XF573022-3 TYPE FN 25.
3. ALL WORK SHOWN IS NEW UNLESS LABELED AS EXISTING.
4. EXTEND 4 INCH CONCRETE PAD UNDER NEW MCC SECTION.
5. EXISTING MCC IS MANUFACTURED BY FEDERAL PACIFIC MODEL M-195-18. EXISTING MCC HAS PROVISIONS FOR FUTURE SECTION. EXTEND EXISTING BUS TO FEED NEW SECTION SHOWN.
6. EXISTING LIGHT FIXTURES IN CHILLER ROOM SHALL BE DISCONNECTED FROM GARAGE LIGHTING CIRCUIT. WIRE THESE FIXTURES TO EXISTING MECHANICAL ROOM LIGHTING CIRCUIT AS SHOWN.
7. REMOVE EXISTING 1 1/2 HP FAN. EXTEND EXISTING ELECTRICAL CIRCUIT TO FEED NEW EXHAUST FAN.
8. EXISTING FEEDER TO MCC-B IS 38500 MCM AL. MCC-S IS RATED FOR 600 AMPS. PROVIDE 1 ADDITIONAL SET 38500 MCM XHHW AL. TERMINATE TO EXISTING DOUBLE LUGS IN MCC SERVICE CUBICLE.
9. COORDINATE NEW LIGHT FIXTURE LOCATIONS WITH MECHANICAL EQUIPMENT AND PIPING.
10. MOUNT LIGHT FIXTURE HORIZONTALLY ON GLASS WALL METAL FRAME. APPROXIMATE MOUNTING HEIGHT IS 7'6" ABOVE ROOF.
11. MOUNT LIGHT FIXTURE VERTICALLY ON GLASS WALL METAL FRAME. CENTER OF FIXTURE MOUNTING HEIGHT IS APPROXIMATELY 7'6" ABOVE ROOF.
12. CONSTRUCT GALVANIZED STEEL CHANNEL FRAME SECURED TO STRUCTURE TO SUPPORT TROUGH AND ELECTRICAL EQUIPMENT.
13. ALTERNATE: PROVIDE INTERCOM SYSTEM PER PLANS AND SPECS. SEE MECHANICAL PLANS FOR INTERCOM STATION LOCATIONS.



BASEMENT FLOOR PLAN

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

KEY NOTES

1. REMOVE ASBESTOS CONTAINING FLOOR TILE IN THIS AREA PRIOR TO NEW CONSTRUCTION. REMOVAL SHALL BE ACCOMPLISHED BY AN ASBESTOS ABATEMENT CONTRACTOR IN ACCORDANCE WITH THE SPECIFICATIONS.
2. REMOVE ASBESTOS-CONTAINING FLASHING MATERIAL AROUND BASE OF ANCHOR BOX (TYPICAL OF 4).
3. REMOVE ASBESTOS CONTAINING FLASHING MATERIAL AT BASE OF GLASS PANEL PRIOR TO REMOVAL OF THE GLASS PANEL.

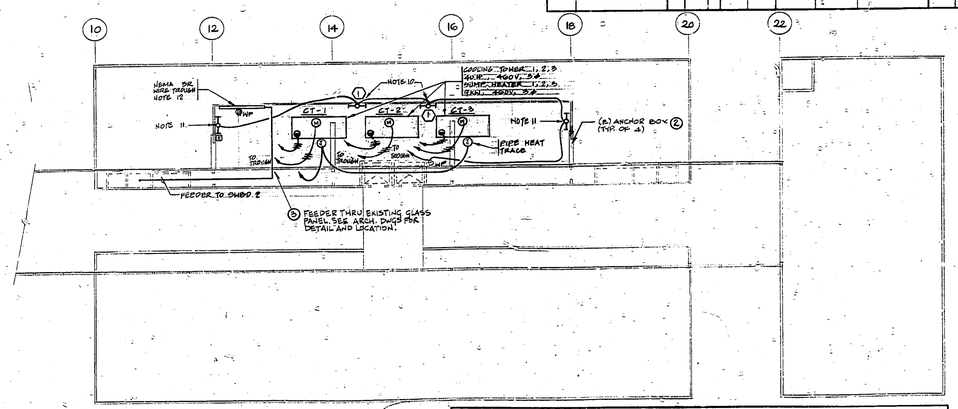
MOTOR CONTROL CENTER: NOTE 4, 5

460V, 3Ø, 3W, 400A HORIZ. BUS, 200A VERTICAL BUS, 22,000 AIC

CCT. No.	LOAD SERVED	HP	FLA MOTOR	Ø	VOLTS	MOTOR START	SWITCH	FUSES	CONDUCTOR	COND.	LOAD LOCATION
1	P-1	25	34	3	460	2	60	50	3 #8 THHN	3/4"	MECH. ROOM
2	P-2	25	34	3	460	2	60	50	3 #8 THHN	3/4"	"
3	P-3	15	21	3	460	2	30	30	3 #10 THHN	3/4"	"
4	P-4	15	21	3	460	2	30	30	3 #10 THHN	1/2"	"
5	P-5	20	27	3	460	2	60	40	3 #8 THHN	3/4"	"
6	P-8	2	3	3	460	1	30	8	3 #12 THHN	1/2"	"

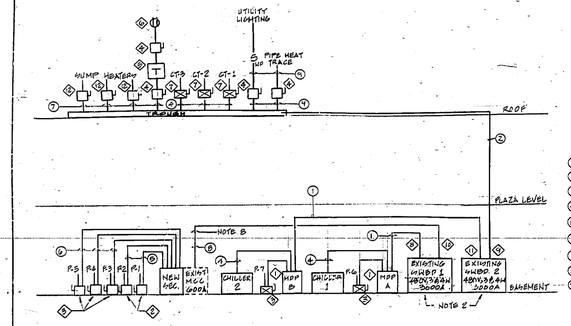
EQUIPMENT SCHEDULE

1	460V, 3Ø, 3W, 600AMP DISTRIBUTION PANELBOARD
2	460V, 3/60/NEMA 1 100,000 AIC
3	460V, 3/50/NEMA 1 100,000 AIC
4	277V, 2/30/2P F.S.D., NEMA 3R, 100,000 AIC
5	2 KVA, 277/120V, TRANSFORMER, NEMA 3R
6	WEATHERPROOF OUTLOOK RECEPTACLE NEMA 5-15R, GFI INSTALL AT 60" ABOVE ROOF.
7	460V, 40HP, 3/100/00 COMBINATION STARTER, NEMA 3R 22,000 AIC
8	460V, 600AMP, 3 POLE DRAWOUT CIRCUIT BREAKER IN EXIST. EMPTY SWITCHBOARD CUBICLE. 100,000 AIC
9	460V, 600 AMP, 3 POLE DRAWOUT CIRCUIT BREAKER IN EXISTING EMPTY SWITCHBOARD CUBICLE. 100,000 AIC
10	460V, 600AMP, 3 POLE DRAWOUT CIRCUIT BREAKER IN EXISTING SWITCHBOARD CUBICLE. 100,000 AIC. REMOVE EXISTING BREAKER AND ADD TO INVENTORY. REPRESENTATIVE.
11	REUSE EXIST. 600AMP DRAWOUT BREAKER TO FEED CHILLER
12	460V, 3/30/120 F.S.D., NEMA 3R, 100,000 AIC



ROOF PLAN

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



PARTIAL POWER RISER DIAGRAM

NO SCALE

FEEDER SCHEDULE

1. 2 SETS: 3 #350KCMCU, 2-3"C.
2. 4 #500 MCMCU, 4"C.
3. 3 #3CU, 1 1/4"C.
4. 3 #500 MCMCU, 3 1/2"C.
5. 3 #3CU, 3/4" C.
6. 3 #10 CU, 1/2"C.
7. 3 #12CU, 1/2"C.
8. 3 #500 MCMAL, 3 1/2"C.
9. 2 #12 CU, 1/2"C.

LIGHTING FIXTURE SCHEDULE

FIXT. TYPE	MANUFACTURER	CATALOG NUMBER	LAMPS NO.	LAMPS TYPE	VOLTS	MOUNTING	REMARKS
1	LITHONIA	DWHA - 240	2	F-40CW	277	SURFACE	2" BALLAST WEATHERPROOF
2	LITHONIA	C - 240	2	F-40CW	277	SURFACE	MECH. ROOM

MDP-A SCHEDULE

460/265V, 3Ø, 4W, 600 MLO, 22,000 AIC

DEVICE NO.	SWITCH SIZE	FUSE SIZE	POLE	EQUIPMENT
1	600	500	3	CHILLER 1
2	100	90	3	P-6
3	—	—	3	SPACE
4	—	—	3	SPACE

MDP-B SCHEDULE

460/265V, 3Ø, 4W, 600A MLO, 22,000 AIC

DEVICE NO.	SWITCH SIZE	FUSE SIZE	POLE	EQUIPMENT
1	600	500	3	CHILLER 2
2	100	90	3	P-7
3	—	—	3	SPACE
4	—	—	3	SPACE

P-1
P-2
P-3
P-4
P-5
P-8

MCC ELEVATION

DC0114ZZ 608
RDC98029

ISSUED FOR: BID	
NO. REVISION	DATE

GIRARD ENGINEERING, LTD.
McLEAN, VA

W.G. REED, AIA
BETHESDA, MD

WAINRIGHT ENGINEERING
WASHINGTON, DC

APPROVED: MECHANICAL / PLUMBING | STRUCTURAL | ARCHITECTURAL | ELECTRICAL

GENERAL SERVICES ADMINISTRATION
PUBLIC BUILDINGS SERVICE WASHINGTON DC

BUILDING	NAME: UNITED STATES TAX COURT
	ADDRESS: STREET 400 2nd ST. NW 20217; CITY WASHINGTON; STATE D.C.
	NUMBER: DC0114ZZ
PROJECT	DESCRIPTION: NEW CHILLED WATER SYSTEM
	NUMBER: RDC 98029
	DRAWN BY / CKD BY / DATE
	TITLE: PLAZA SITE PLAN
	TYPE: ELECTRICAL
DRAWING NUMBER	9 (TYPE) E (SERIES) 1 (SEQUENCE)
	CONTRACT NUMBER: GS-11B-56071
	CONSTRUCTION: GS/11FF

30X DO NOT SCALE