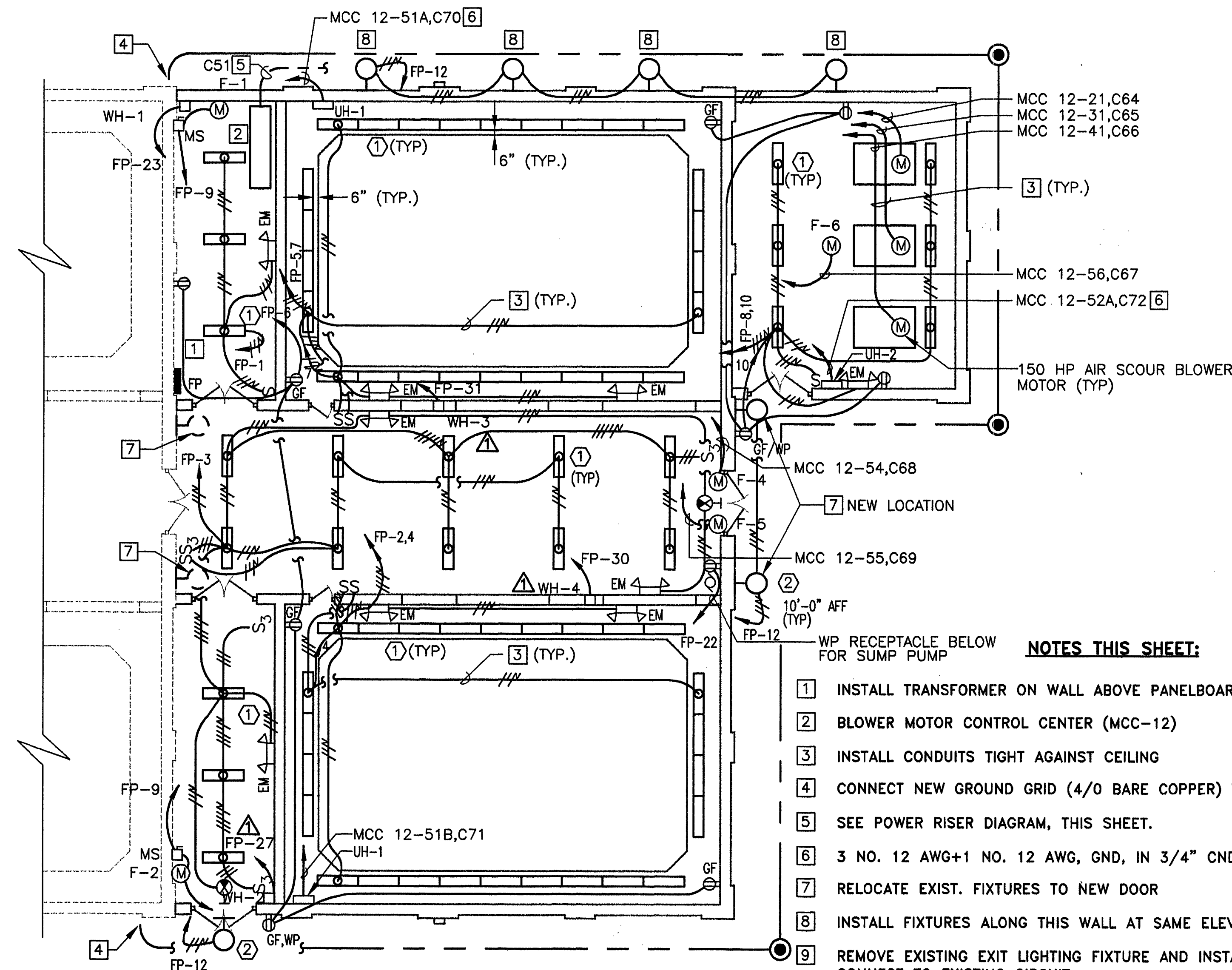




FLOOR PLAN
SCALE: 1/8"=1'-0"

NOTES THIS SHEET:

- 1 INSTALL TRANSFORMER ON WALL ABOVE PANELBOARD. (SEE POWER RISER DIAGRAM)
- 2 BLOWER MOTOR CONTROL CENTER (MCC-12)
- 3 INSTALL CONDUITS TIGHT AGAINST CEILING
- 4 CONNECT NEW GROUND GRID (4/0 BARE COPPER) TO EXIST.
- 5 SEE POWER RISER DIAGRAM, THIS SHEET.
- 6 3 NO. 12 AWG+1 NO. 12 AWG, GND, IN 3/4" CND.
- 7 RELOCATE EXIST. FIXTURES TO NEW DOOR
- 8 INSTALL FIXTURES ALONG THIS WALL AT SAME ELEV. AS EXIST. FIXTURES
- 9 REMOVE EXISTING EXIT LIGHTING FIXTURE AND INSTALL NEW FIXTURE. CONNECT TO EXISTING CIRCUIT.
- 10 DISCONNECT AND REMOVE ALL ELECTRICAL WIRING AND COMPONENTS ASSOCIATED WITH EXISTING PUMPS, FANS, ETC. IN THIS AREA.

LIGHTING FIXTURE SCHEDULE				
TYPE	MFG. & CATALOG NO.	TYPE/MOUNTING	LAMPS	REMARKS
2	HOLOPLANE MW-175MW-12-K-PR	MV/WALL	1-175W, MV	120V PHOTO CELL, FUSING (TO MATCH EXIST. FIXTURES)
3	CROUSE-HINDS VHH22GP	INCAND/WALL	1-100W, INCAND	WALL MOUNTED, GLOBE & GUARD

NOTE TO LIGHTING FIXTURE SCHEDULE:
THESE FIXTURES USED FOR THIS SHEET ONLY. FOR ADDITIONAL LIGHTING FIXTURES SCHEDULE SEE SHEET 12 OF 34.

SCHEDULE-PANELBOARD FP

NO.	P	AMP	WIRE	NO.	SIZE	LOAD DESCRIPTION	LOAD KVA	NO.	P	AMP	WIRE	NO.	SIZE	LOAD DESCRIPTION	LOAD KVA
1	1	20	12	3/4"		LIGHTING & RECEPT.	.5	2	1	20	12	3/4"		LIGHTING	1.8
3	1	20	12	3/4"		LIGHTING	.8	4	1	20	12	3/4"		LIGHTING	.8
5	1	20	12	3/4"		LIGHTING	.8	6	1	20	12	3/4"		RECEPT	1.1
7	1	20	12	3/4"		LIGHTING	1.3	8	1	20	12	3/4"		LIGHTING	.7
9	1	20	12	3/4"		F-1,F-2	.4	10	1	20	12	3/4"		RECEPT	.7
11	1	20	12	3/4"		LIGHTING & RECEPT.	1.0	12	1	20	12	3/4"		EXT. LIGHTING	1.2
13	1	20	12	3/4"		FILTER NO. 9 CONSOLE	.5	14	1	20	12	3/4"		FILTER NO. 10 CONSOLE	.5
15	1	20	12	3/4"		FILTER NO. 9 INFLUENT VALVES	1.0	16	1	20	12	3/4"		FILTER NO. 10 INFLUENT VALVES	1.0
17	1	20	12	3/4"		FILTER NO. 9 WASTE & AIR SCOUR VALVES	1.0	18	1	20	12	3/4"		FILTER NO. 10 WASTE & AIR SCOUR VALVES	1.0
19	1	20	12	3/4"		FILTER NO. 9 EFFLUENT VALVE	.5	20	1	20	12	3/4"		FILTER NO. 10 EFFLUENT VALVE	.5
21	1	50	8	1"		FILTER NO. 9 WASH WATER VALVE	1.5	22	1	20	12	3/4"		SUMP PUMP	
23	2	20	12	3/4"		WH-1	1.5	24	1	20	12	3/4"		AIR BLOWER VENT VALVE	
25								26	1	50	8	1"		FILTER NO. 10 WASH WATER VALVE	
27	2	20	10	3/4"		WH-2	2.5	28	2	30	10	3/4"		WH-4	2.5
29	1							30							
31	2	20	12	3/4"		WH-3	2.5	32	1					SPACE ONLY	
33	1					SPACE ONLY		34	1					SPACE ONLY	
35	1					SPACE ONLY		36	1					SPACE ONLY	
37								38							
39								40							
41							4.3 4.7 6.8	42							3.5 5.0 5.8
															4.3 4.7 6.8
															7.8 9.7 12.6
															TOTAL: 30.1

VOLTAGE 120/208 PHASE 3 WIRE 4 MOUNTING SURFACE

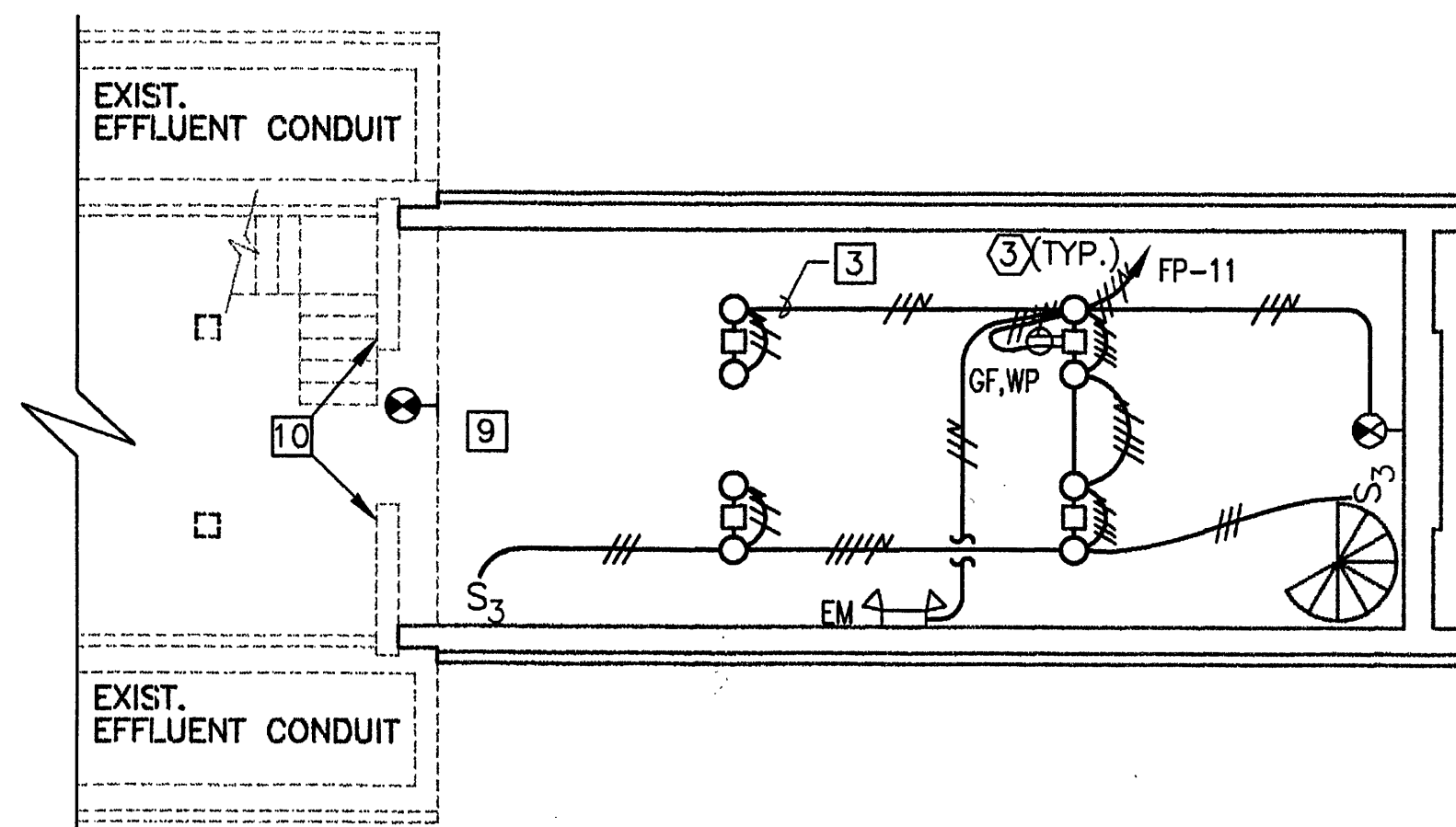
BUS AMPS 100 MAIN BREAKER AMPS 100 SUBFEED LUGS NO

MOTOR CONTROL CENTER (MCC-12) SCHEDULE (†)									
SECTION NUMBER	LOAD DESCRIPTION	UNIT TYPE	RATINGS		CONDUCTORS			CONDUIT SIZE	REMARKS
			CKT.BRK'R †	STARTER	PHASE	NEUTRAL	EQ. GND.		
11	MCC-12	CB	800A		2-500MCM		2-NO.1/0AWG	3"	MAIN BREAKER
21	AIR SCOUR BLOWER NO. 1	CS,RV	* 275A	SIZE 5	350MCM		NO.2AWG	3"	} PROVIDE HAND-OFF-AUTO, AND PUMP 1-PUMP 2-OFF, SELECTOR SWITCHES IN DOOR.
31	AIR SCOUR BLOWER NO. 2	CS,RV	* 275A	SIZE 5	350MCM		NO.2AWG	3"	
41	AIR SCOUR BLOWER NO. 3	CS,RV	* 275A	SIZE 5	350MCM		NO.2AWG	3"	
51A	UH-1	CB	20A		NO.12AWG		NO.12AWG	3/4"	} PROVIDE HAND-OFF-AUTO, SELECTOR SWITCHES IN DOOR.
51B	UH-1	CB	20A		NO.12AWG		NO.12AWG	3/4"	
52A	UH-2	CB	20A		NO.12AWG		NO.12AWG	3/4"	
52B	TRANS	CB	50A		NO.8AWG		NO.10AWG	1"	
53A									PROVISIONS FOR FUTURE
53B									PROVISIONS FOR FUTURE
54	FAN F-4	CS	20A	SIZE 1	NO.12AWG		NO.12AWG	3/4"	} PROVIDE HAND-OFF-AUTO, SELECTOR SWITCHES IN DOOR.
55	FAN F-5	CS	20A	SIZE 1	NO.12AWG		NO.12AWG	3/4"	
56	FAN F-6	CS	20A	SIZE 1	NO.12AWG		NO.12AWG	3/4"	
57									PROVISIONS FOR FUTURE

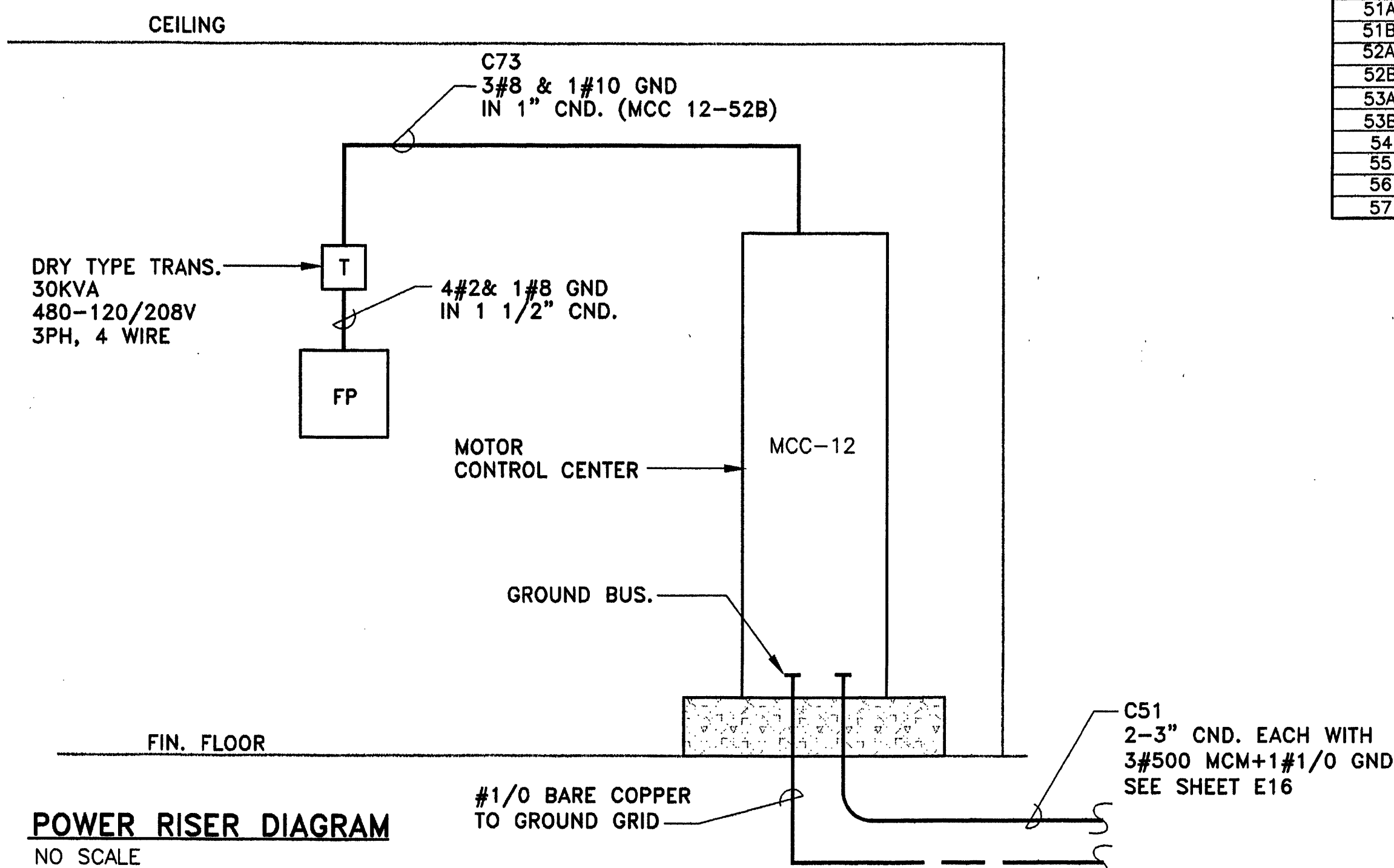
CB-CIRCUIT BREAKER
CS-COMBINATION STARTER
RV-REDUCED VOLTAGE, SOFT START
*TO BE CONFIRMED BY BLOWER SUPPLIER AND MCC MFG.
† 480 VOLT, DELTA, 3 PH, 3W, SOLID NEUTRAL.
‡ MIN. AIC-25,000.

SECTION 1	SECTION 2	SECTION 3	SECTION 4	SECTION 5
				51A 51B
				52A 52B
				53A 53B
				54
				55
				56
				57

MOTOR CONTROL CENTER (MCC-12)
FRONT ELEVATION



FLOOR PLAN-PIPING GALLEY
SCALE: 1/8"=1'-0"



POWER RISER DIAGRAM
NO SCALE