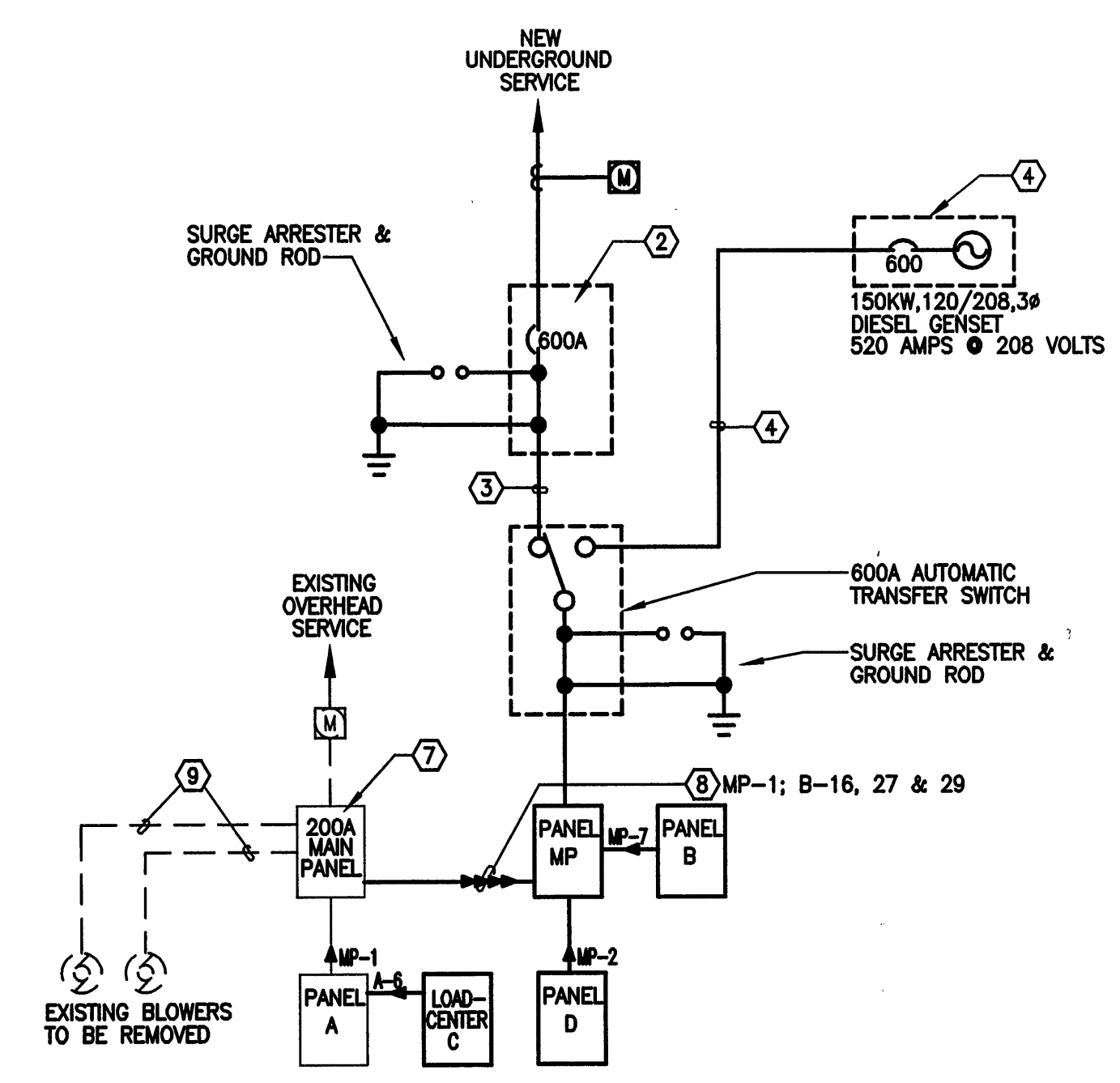
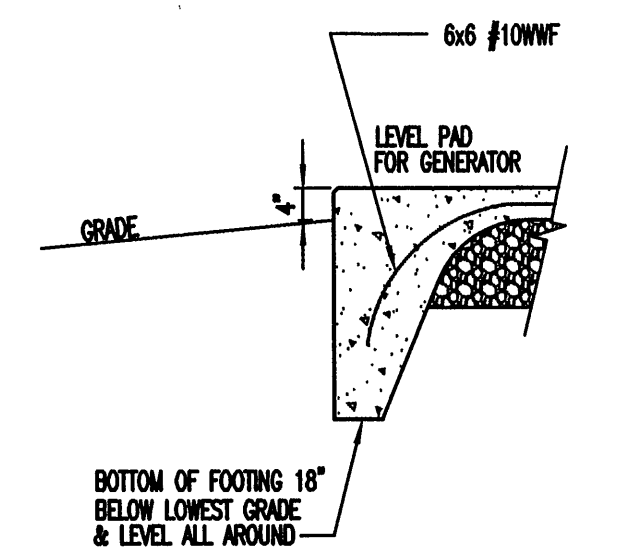
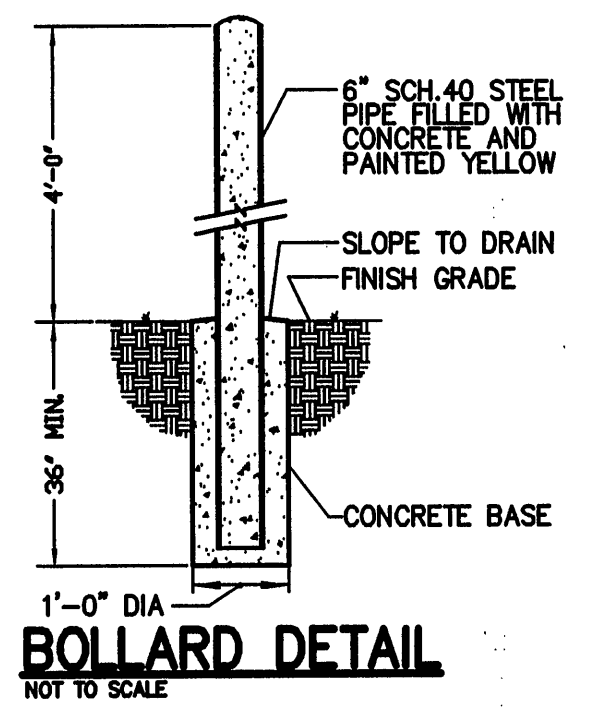




NOTES:
EXISTING SERVICE CONFIGURATION IS 120/240 VOLT HIGH LEG DELTA. THE NEW SERVICE CONFIGURATION WILL BE 120/208 VOLT THREE PHASE WYE. VERIFY THAT 240 VOLT LOADS FED FROM PANEL A CAN BE SAFELY OPERATED AT 208 VOLTS.

SEE PLAN NOTES ON SHEET E-2.

ONE-LINE DIAGRAM SCHEMATIC



SECTION THRU CONC. PAD NOT TO SCALE

PANELBOARD SCHEDULES

PANEL		120/208 VOLTS 3 PHASE 4										225 A.M.O. BOTTOM 22 KVA									
B		SURF. MOUNTING										A.M.C.B.									
CR. NO.	TO FEED	LOAD - KVA			O.K.T.BK.R. AMP-POLES	WIRE		O.D. SIZE	C.R. NO.	TO FEED	LOAD - KVA			O.K.T.BK.R. AMP-POLES	WIRE		O.D. SIZE				
		A PH.	B PH.	C PH.		QTY	SIZE				A PH.	B PH.	C PH.		QTY	SIZE					
1	INFLUENT PUMPS	2.05			20 A- 3P	3c	#10	1"	2	FILTER DISK	0.53		20 A- 3P	3c	#10	3/4"					
3			2.05						4			0.53									
5				2.05					6				0.53								
7	SPACE								8	SCREW CONVEYOR	0.94		20 A- 3P	3c	#10	1"					
9	SPACE								10			0.95									
11	SPACE								12				0.95								
13	UNIT HEATER	1.50			20 A- 2P	2c	#12	3/4"	14	BATTERY CHARGER	0.50		20 A- 1P	2c	#12	3/4"					
15			1.50						16	EXIST. RECP.		0.50	20 A- 1P	2c	#10	1"					
17	SPARE				20 A- 1P	2c			18	GRINDER PUMP			2.50	30 A- 1P	2c	#10	1"				
19	BLOCK HEATER	1.80			20 A- 1P	2c	#12	3/4"	20	BASIN RECEPT.	0.50		20 A- 1P	2c	#10	1"					
21	GENSET CONTROLS		0.50		20 A- 1P	2c	#12	3/4"	22	SUMP PUMP		0.86	20 A- 1P	2c	#10	1"					
23	EXH. FANS & MOOS			0.50	20 A- 1P	2c	#12	3/4"	24	MAG METERS			0.50	20 A- 1P	2c	#10	1"				
25	BASIN LIGHTING	0.60			20 A- 1P	2c	#10	3/4"	26	D.O. ANALYZERS	0.50		20 A- 1P	2c	#10	1"					
27	EXIST. POLE LT.		0.50		20 A- 1P	2c	#10	1"	28	SPARE			20 A- 1P								
29	EXIST. LTS.			0.50	20 A- 1P	2c	#10	1"	30	SPARE			20 A- 1P								
31	SPARE				20 A- 1P				32	SPACE											
33	SPARE				20 A- 1P				34	SPACE		---									
35	SPARE				20 A- 1P				36	SPACE											
37	SPACE								38	SPACE											
39	SPACE								40	SPACE		---									
41	SPACE								42	SPACE											
SUB-TOTAL KVA		6.0	4.6	3.1													SUB-TOTAL KVA	3.0	2.8	4.5	
														TOTAL BY PHASE KVA	8.9	7.4	7.5				
														TOTAL BY PHASE AMPS	74.3	61.6	62.8				
														TOTAL PANEL KVA		23.8					
LOCATED IN SPACE: INSIDE BLOWER BUILDING																					
FEED FROM:		PANEL MP																			
NOTES:		"a"-PLUS #2 GROUND WIRE. "b"-PLUS #10 GROUND WIRE.																			
		"c"-PLUS #8 GROUND WIRE. & "d"-PLUS #6 GROUND WIRE.																			
		*MIN DUCT BANK																			
SQUARE D WOOD PANELBOARD 35"x20"x5.75"DEEP																					