



OMISSIONS PRIOR TO CONSTRUCTION FOR DIRECTION.
DO NOT SCALE THIS DRAWING.

REVISIONS

Consulting Engineers



AND GOVERNMENT SERVICES

NEW PUMPING STATION

SINGLE LINE DIAGRAM

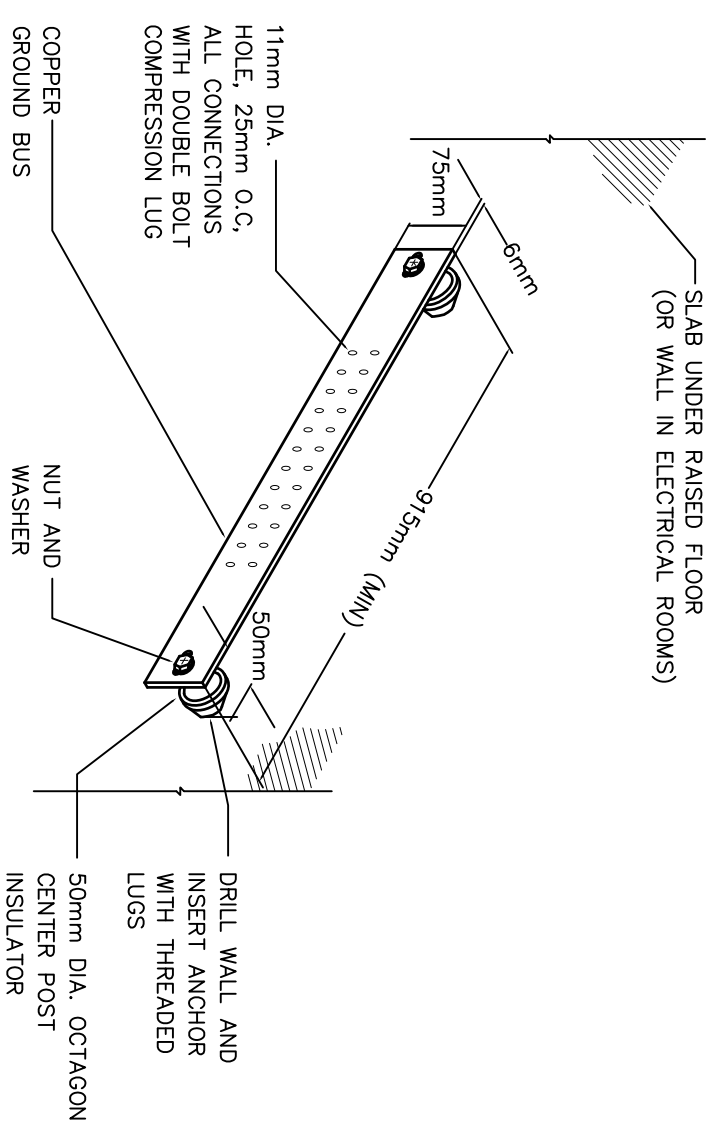
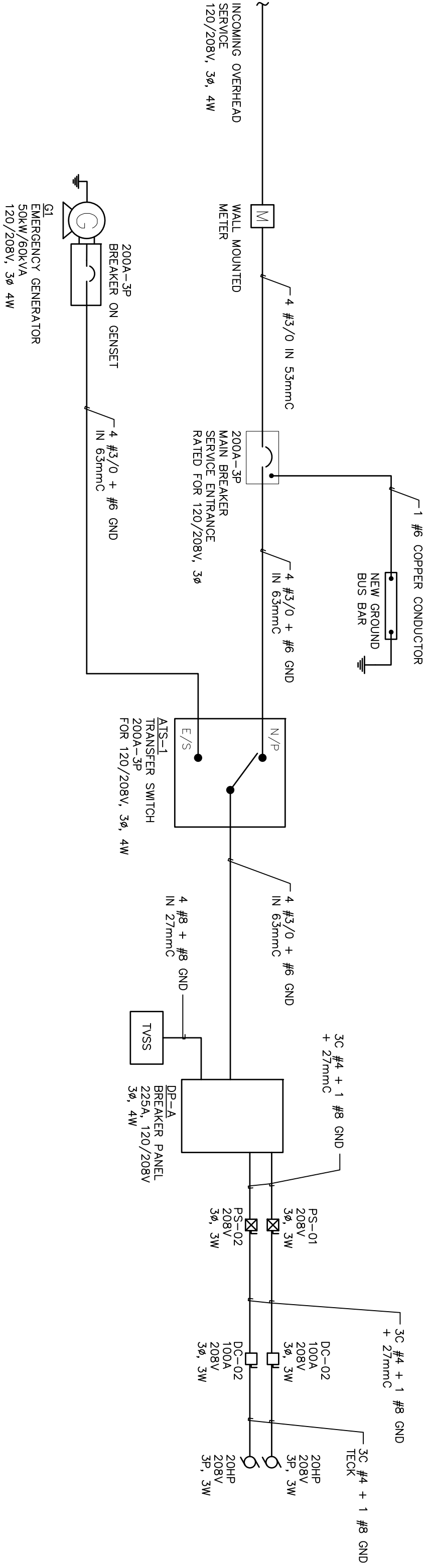
AS SHOWN



MOTOR NO.	SERVICE DESCRIPTION	MOTOR LOCATION	MOTOR CHARACTERISTICS			FEEDER	MOTOR BREAKER SIZE	MAGNETIC STARTERS				REMOTE CONTR.		INTERLOCK TO:	REMARKS	
			H.P.	F.L.A.	VOLT.			SOURCE	STOP/START	N. COVER			STOP/START L.O.S.			INTERLOCK TO PILOT LTG.
										PILOT LTG.	STOP TRANSFER.	AUX.CONT. 2 N.O./N.C.				
WP-01	WATER PUMP 01	PUMP RM	15	—	208V	3ø	BP-A	110A-3p	TOGGLE	●	●	●	●	●	●	
WP-02	WATER PUMP 02	PUMP RM	15	—	208V	3ø	BP-A	110A-3p	PUSH BUTTON	●	●	●	●	●	●	
TP-01	TRANSFER PUMP 01	PUMP RM	0.5	—	120V	1ø	BP-A	2 #12 & 6GRD	COMBINATION BREAKER TYPE	●	●	●	●	●	●	
MC-01	CHEMICAL MIXER 01	CHEM RM	0.05	—	120V	1ø	BP-A	2 #12 & 6GRD	STOP/START	●	●	●	●	●	●	
SP-01	SUMP PUMP 01	PUMP RM	0.5	—	120V	1ø	BP-A	2 #12 & 6GRD	15A-1P	●	●	●	●	●	●	
SP-02	SUMP PUMP 02	CHEM RM	0.4	—	120V	1ø	BP-A	2 #12 & 6GRD	●	●	●	●	●	●	●	
DWP-01	DOMESTIC WATER PUMP	PUMP RM	—	0.9	120V	1ø	BP-A	2 #12 & 6GRD	●	●	●	●	●	●	●	
HRV-01	HEAT RECOVERY VENT.	PUMP RM	0.5	—	120V	1ø	BP-A	2 #12 & 6GRD	●	●	●	●	●	●	●	
WH-01	HOT WATER TANK 01	CHEM RM	1.5kW	—	120V	1ø	BP-A	2 #12 & 6GRD	●	●	●	●	●	●	●	
UH-01	UNIT HEATER 01	PUMP RM	0.25	—	120V	1ø	BP-A	2 #12 & 6GRD	●	●	●	●	●	●	●	
EH-01	ELECTRIC HEATER 01	CEN RM	3kW	—	208V	3ø	BP-A	3 #12 & 6GRD	●	●	●	●	●	●	●	
EH-02	ELECTRIC HEATER 02	CHEM RM	3kW	—	208V	3ø	BP-A	3 #12 & 6GRD	●	●	●	●	●	●	●	
DH-01	DUCT HEATER 01	PUMP RM	3kW	—	208V	3ø	BP-A	3 #12 & 6GRD	●	●	●	●	●	●	●	
MD-01	MOTORIZED DAMPER 01	CEN RM	—	—	120V	1ø	BP-A	2 #12 & 6GRD	●	●	●	●	●	●	●	
MD-02	MOTORIZED DAMPER 02	CHEM RM	—	—	120V	1ø	BP-A	2 #12 & 6GRD	●	●	●	●	●	●	●	
MD-03	MOTORIZED DAMPER 03	CEN RM	—	—	120V	1ø	BP-A	2 #12 & 6GRD	●	●	●	●	●	●	●	
MD-04	MOTORIZED DAMPER 04	CEN RM	—	—	120V	1ø	BP-A	2 #12 & 6GRD	●	●	●	●	●	●	●	
MD-05	MOTORIZED DAMPER 05	PUMP RM	—	—	120V	1ø	BP-A	2 #12 & 6GRD	●	●	●	●	●	●	●	
MD-06	MOTORIZED DAMPER 06	PUMP RM	—	—	120V	1ø	BP-A	2 #12 & 6GRD	●	●	●	●	●	●	●	

[illegible]

PUMP STATION LOAD SUMMARY	
TOTAL AREA..... 60m ²	
DESCRIPTION	WATTS
GENERAL RECEPTACLES AND LIGHTING (25W/m ²)	1500
WATER PUMPS (1 @ 15HP = 11000Watts/ea.)	11000
TRANSFER PUMP (1 @ 0.5HP)	400
DOMESTIC WATER PUMP	400
ENERGY RECOVERY UNIT (1 @ 0.5HP)	400
HOT WATER TANK	1500
ELECTRIC HEATER (x3)	9000
HEAT TRACE (x2)	10000
	34200
TOTAL WATTS	



E2	N.T.S.
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E2	N.T.S.
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N.T.S.

E2	N.T.S.
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N.T.S.

N.T.S. (E2)