

MOTOR NO.	SERVICE DESCRIPTION	MOTOR LOCATION	MOTOR CHARACTERISTICS				SOURCE	FEEDER	BREAKER SIZE	MANUAL STARTER	MAGNETIC STARTERS										REMOTE CONTR.				REMARKS		
			H.P.	F.L.A.	VOLT	Ø					TOGGLE	PUSH BUTTON	PILOT LTG.	COMBINATION	VFD	BREAKER TYPE	FUSE TYPE	CONTROL TRANSFORMER	AUX. CONT. 2 N.O./N.C.	TWO-SPEED	STOP/START	HAND/OFF/AUTO	TEST/AUTO	PILOT LTG. RUN		PILOT LTG. STOP	BREKER ONLY
P-201	LIFT PUMP 1	WET WELL	5	4	600	3	MDP	3 #10 TECK	15A 3P			√						√						√			STARTER PACKAGE SUPPLIED BY GENERAL CONTRACTOR, INSTALLED BY ELECTRICAL CONTRACTOR.
P-202	LIFT PUMP 2	WET WELL	5	4	600	3		3 #10 TECK				√						√						√			STARTER PACKAGE SUPPLIED BY GENERAL CONTRACTOR, INSTALLED BY ELECTRICAL CONTRACTOR.
G-201	GRINDER PUMP	WET WELL	5	3.7	600	3		3 #10 TECK	15A 3P			√						√	√								STARTER PACKAGE SUPPLIED BY GENERAL CONTRACTOR, INSTALLED BY ELECTRICAL CONTRACTOR.
G-202	GRINDER PUMP	WET WELL	5	3.7	600	3		3 #10 TECK	15A 3P			√						√	√								STARTER PACKAGE SUPPLIED BY GENERAL CONTRACTOR, INSTALLED BY ELECTRICAL CONTRACTOR.
EF-1	EXHAUST FAN	SERVICE AREA			120	1	BP-A	2 #12+GRND IN 21mmC	15A 1P			√	√					√	√								INTERLOCKS PROVIDED BY CONTROL CONTRACTOR
SF-1	SUPPLY FAN	SERVICE AREA	1/2		120	1	BP-A	4 #12+GRND IN 21mmC	15A 1P			√	√			√	√	√									INTERLOCKS PROVIDED BY CONTROL CONTRACTOR

1 MCC SCHEDULE

PANEL DESIGNATION	DP-1	PANEL LOCATION	SURFACE
NUMBER OF POLES	24		
SYSTEM VOLTAGE	600V/3PH/3W		
MAINS CAPACITY	125A		
INTERRUPTING CAPACITY.....	14kA		

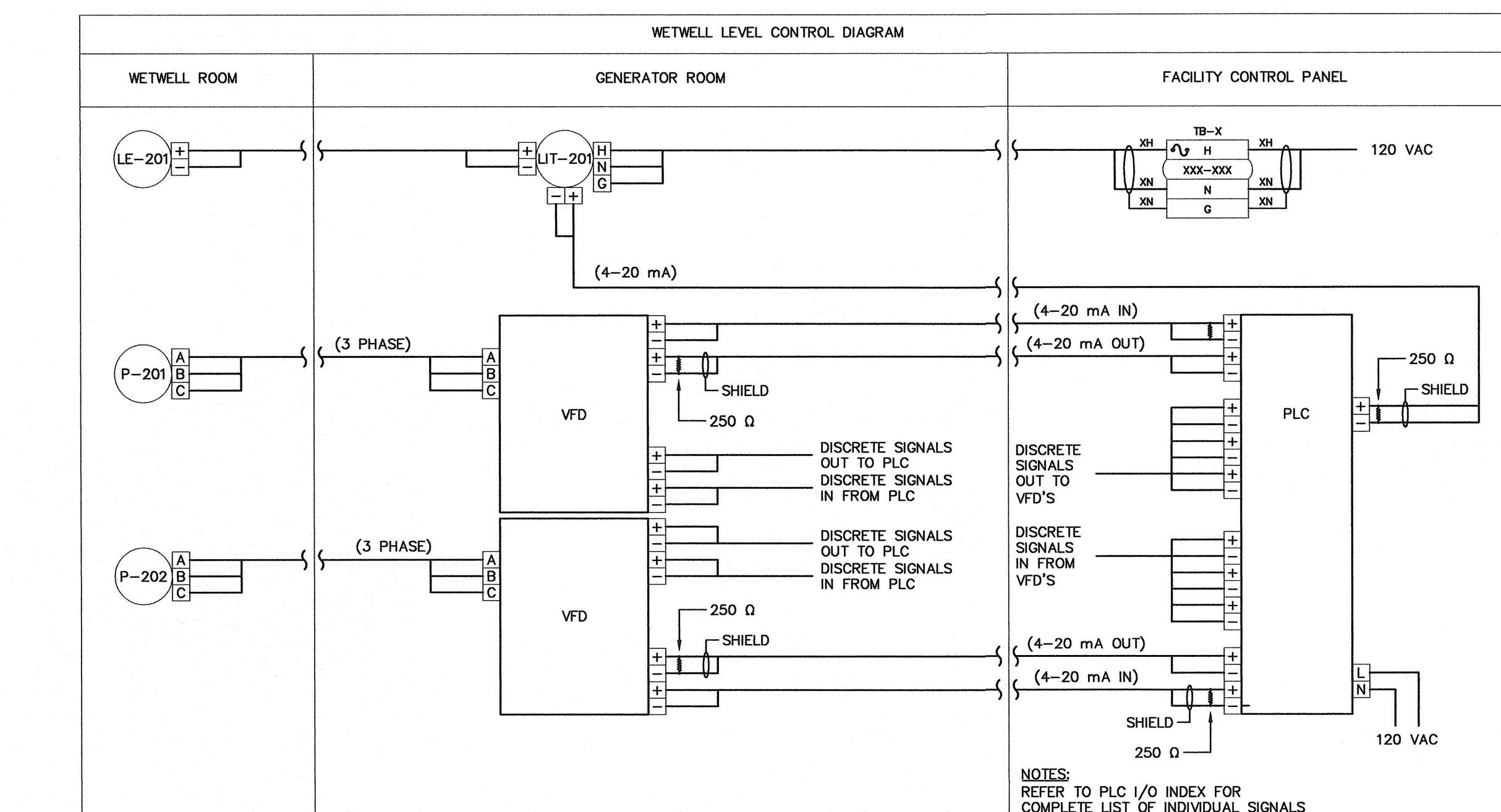
DESCRIPTION	LOAD	BRKR AMP. POLE	PHASE	CCT NO.	BRKR AMP. POLE	LOAD	DESCRIPTION
P-201/202 DUPLEX PUMP CONTROL PANEL	15A 3P	1 2 3	A B C	2 4 6	15A 3P		GRINDER PUMP G-201
TRANSFORMER T-A 30kVA	40A 3P	7 8 9	A B C	10 11 12	15A 3P		GRINDER PUMP G-202
		13 14 15	A B C	16 17 18			
		19 20 21	A B C	22 23 24			

NOTES:
1 WIRE EXTERIOR LIGHTING CIRCUIT THROUGH CONTROL CONTACTOR. CONTACTOR TO BE CONTROLLED BY WALL MOUNTED PHOTOCELL.

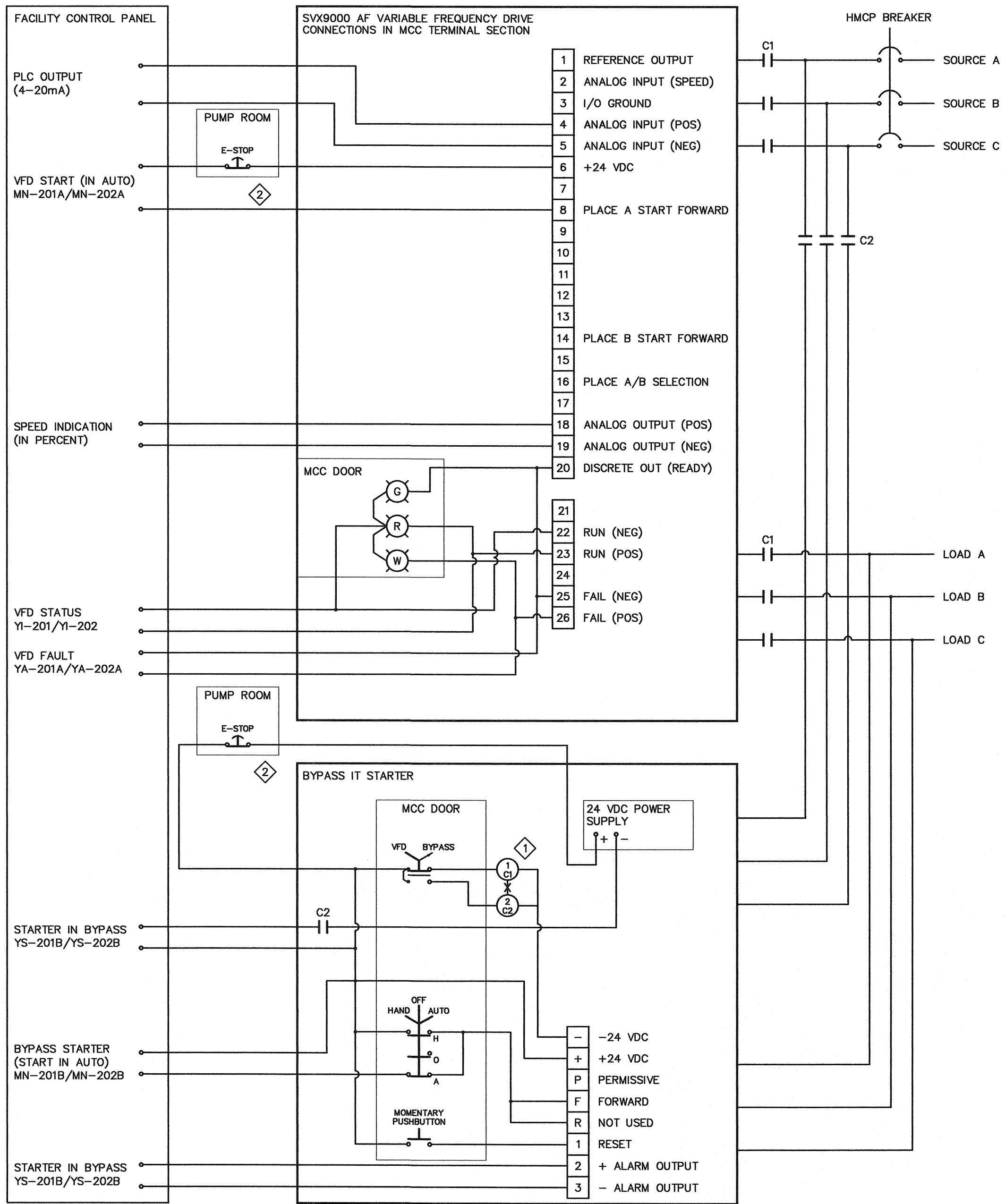
PANEL DESIGNATION	BP-A	PANEL LOCATION	SURFACE
NUMBER OF POLES	42		
SYSTEM VOLTAGE	120/208		
MAINS CAPACITY	225A		
INTERRUPTING CAPACITY.....	10kA		

DESCRIPTION	LOAD	BRKR AMP. POLE	PHASE	CCT NO.	BRKR AMP. POLE	LOAD	DESCRIPTION
BOILER-02	15A 1P	1	A	2	15A 1P		GENERAL RECEPTACLES
FUEL PUMP P-02	15A 1P	3	B	4	15A 1P		EBU-1 AND LIGHTING
BOILER-01	15A 1P	5	C	6	15A 1P		FIRE ALARM PANEL
FUEL PUMP P-01	15A 1P	7	A	8	15A 1P		UNIT HEATERS
BOILER CONTROL PANEL	15A 1P	9	B	10	15A 1P		WATER BOOSTER PUMP P-03
FUEL TRANSFER PUMPS DPS-01	20A 1P	11	C	12	15A 1P		EXTERIOR LIGHTS
FUEL HEATER	15A 1P	13	A	14	15A 1P		TELEPHONE BLACKBOARD
GLYCOL FILL PUMP P-04	15A 1P	15	B	16	15A 1P		MOTORIZED DAMPER
BATTERY CHARGER	20A 1P	17	C	18	15A 1P		EXHAUST FAN EF-01
GENERATOR BLOCK HEATER	20A 1P	19	A	20	20A 1P		HOT WATER TANK
SF-01	15A 1P	21	B	22	15A 1P		PLC CABINET
		23	C	24	15A 1P		WET WELL LIGHTING
		25	A	26	15A 1P		EXTERIOR GFI RECEPTACLES
		27	B	28			
		29	C	30			
		31	A	32			
		33	B	34			
		35	C	36			
		37	A	38			
		39	B	40			
		41	C	42			

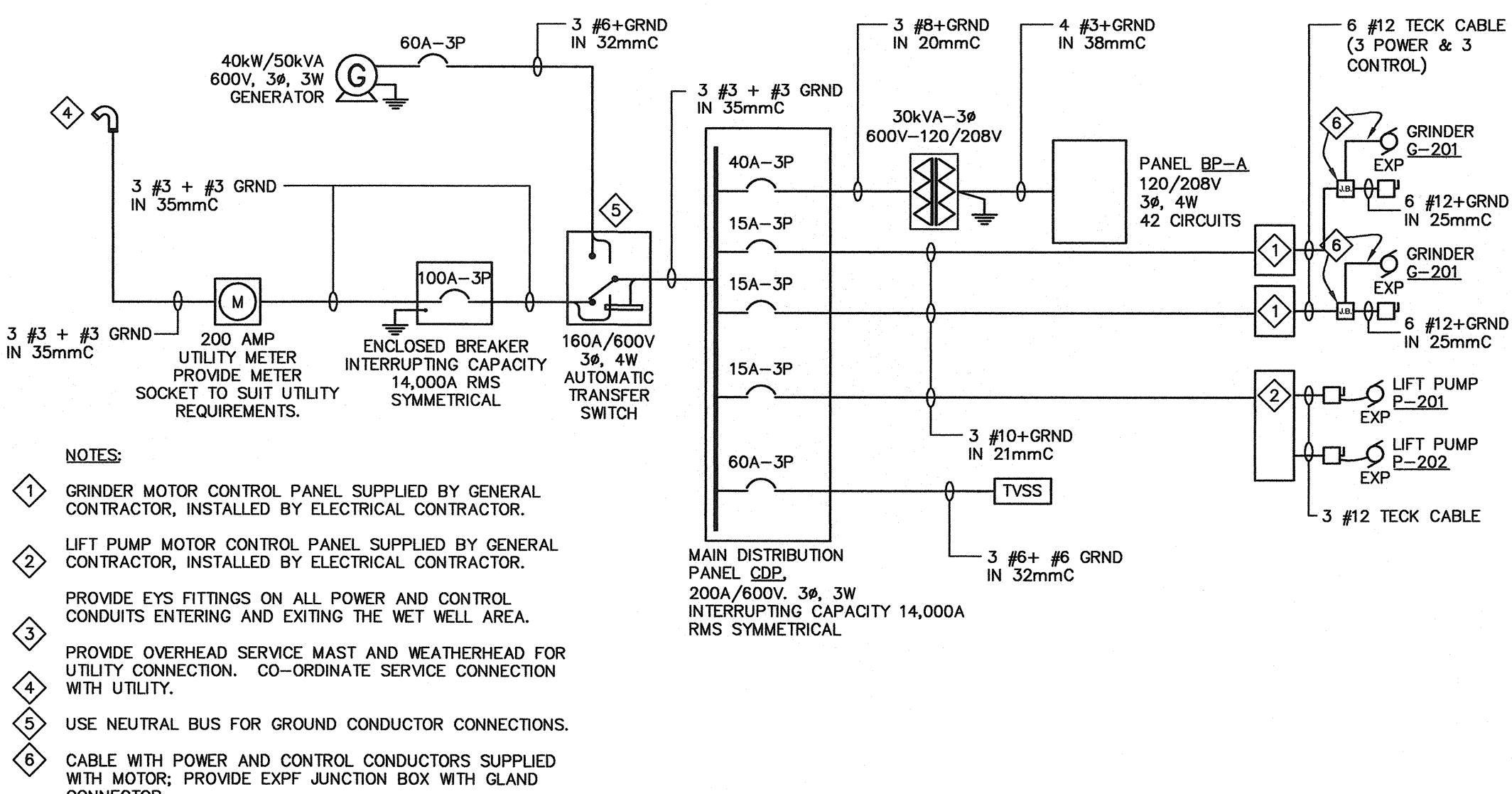
2 PANEL SCHEDULES



4 LEVEL CONTROL SCHEMATIC



3 MOTOR STARTER SCHEMATIC



5 ELECTRICAL SINGLE LINE DIAGRAM

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430 de l'hôpital bld, suite 210, J8V 1T7
T.(819) 778.2448 F.(819) 778.5031
Consulting Engineers

1	ISSUED FOR CONSTRUCTION	05/04/10	WBPP	
0	ISSUED FOR TENDER	06/19/09	WBPP	C.W.
No.	DESCRIPTION	DATE	BY	APP'D
REVISIONS				

THE STAMP COLOUR IS RED FOR
REGISTERED PROFESSIONAL ENGINEER
C. L. WOOD
NWT/NJ
THE ORIGINAL SIGNED DRAWING

Trow Associates Inc.
154 Colonnade Road South
Ottawa, Ont. K2E 7J5
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CITY OF IQALUIT

PROJECT: LIFT STATION No. 2 MODIFICATIONS

TITLE: ELECTRICAL MCC & PANEL SCHEDULE, MOTOR & LEVEL SCHEMATIC, SINGLE LINE

design by	C.M.	project no	QTC000019365A
drawn by	F.S.	drawing no.	
checked by	C.M.		
date	06/11/2009		
scale	NOT TO SCALE		

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