

4920 47TH STREET, YELLOWKNIFE NT, X1A 2P1, PHONE 867 920 4555

RECORD DRAWING

APPROVED BY _____ DATE _____

PANEL A									
120/240		VOLTS							
1		PHASE		LOCATION		PUMPHOUSE		225 AMP MAINS	
3		WIRE						MCC	
								MTG.	
CIRC	BKR	WATTAGE		DESCRIPTION	DESCRIPTION	WATTAGE		BKR	CIRC
		Ø A	Ø B			Ø A	Ø B		
1	15A	210		PUMP ROOM LIGHTING	CHLORINATOR PUMP 1-2	400		15A	2
3	15A	140		GENERATOR ROOM LIGHTING	SUPPLY FAN CONTROL		100	15A	4
5	15A	500△		ENGINE CONTROL	CHLORINE MIXER		400	15A	6
7	15A	400		EXTERIOR LIGHTING	HRV UNIT	120		15A	8
9	15A		500	ENG. BLOCK HEATER	RECEPTACLE			15A	10
11	15A	350△		FUEL TRANSFER PUMP	CHLORINATOR PUMP 3		400	15A	12
13	30A	350		EXT. ALARM LGTS	FILTER CONTROL PANEL	200		15A	14
15	15A		300	FURNACE CONTROL CCT	SPARE			15A	16
17	20A		1500△	UNDER COUNTER	RECEPTACLE		200	15A	18
19	2P			HOT WATER TANK	RECEPTACLE	400		15A	20
21	15A	50		MOTORIZED DAMPER	RECEPTACLE		300	15A	22
23	15A		50	MOTORIZED DAMPER	RECEPTACLE		400△	15A	24
25	15A			EXIT LIGHTING	BATTERY CHARGER			15A	26
27	20A	500		HEAT TRACE CONTROL	EMERGENCY HEAT TRACE		500	20A	28
29	2P			GFI	GFI			2P	30
31	15A	100△		EXT. RECEPTACLE	SPARE			15A	32
33	15A			SPARE	SPARE			15A	34
35	15A			SPARE	SPARE			15A	36
37	15A			SPARE	SPARE			15A	38
39	15A			SPARE	SPARE			15A	40
41	15A			SPARE	SPARE			15A	42

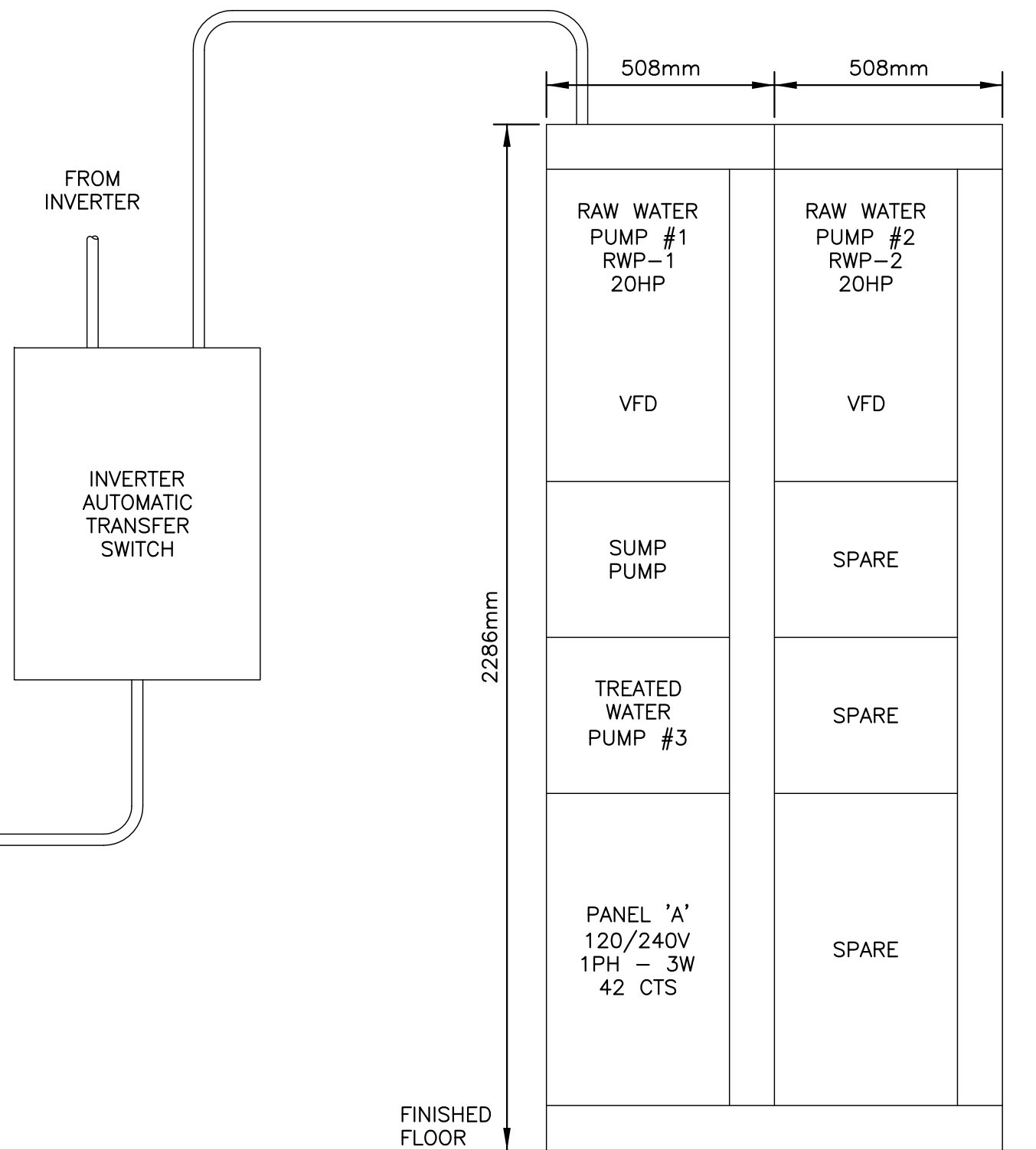
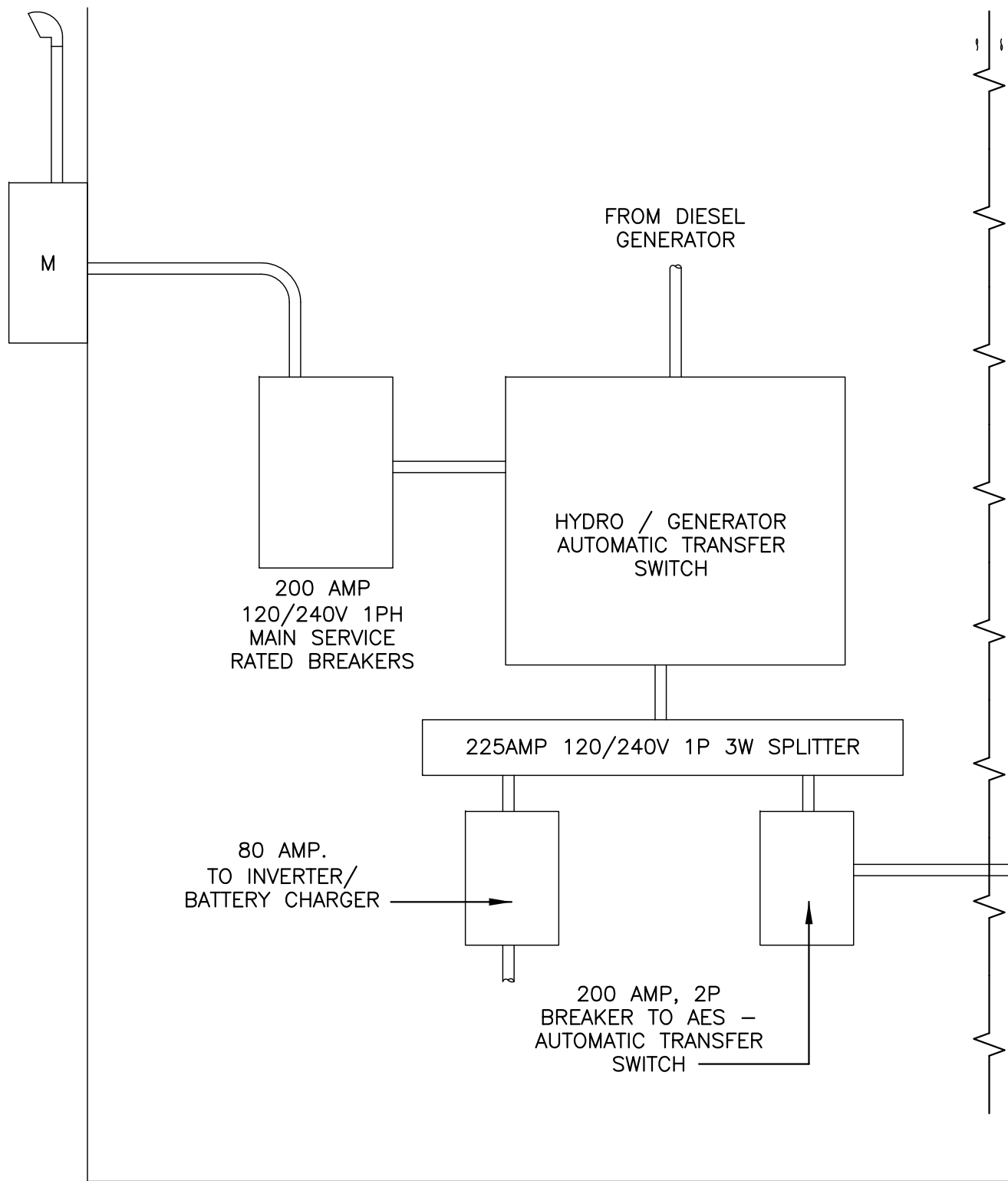
* INDICATES LOCK ON BREAKER

Δ NOTE: THE ELECTRICIAN MUST BALANCE THE LOAD IN THE PANEL IN THE FIELD

CONNECTED LOAD:

A = 2730 W
B = 2750 W
C = 2850 W

TOTAL = 8330 W



PUMP CONTROL SCHEDULE

NAME	FUNCTION	POWER	CONTROL
RWP-1	RAW WATER PUMP #1 & 2	208/3ph 20hp	ON_START BUTTON OF FIRE SITUATION OFF_STOP BUTTON OF FIRE SITUATION ON_START BUTTON OF TRUCKFILL OFF_STOP BUTTON OF TRUCKFILL TANK OFF_HIGH WATER LEVEL SENSOR OF STORAGE TANK
TWP-3	TREATED WATER TAP FILL PUMP	120/1ph 0.5hp	ON AND OFF BY PRESSURE SWITCH
SP	SUMP PUMP	120/1ph 1/3hp	ON AND OFF BY INTEGRAL LEVEL SWITCH

NOTE: ALL PUMPS HAVE HAND-OFF-AUTO CONTROL SWITCH

REFER TO DWG. E4 FOR CONTROL DIAGRAMS.

VALVE CONTROL SCHEDULE

NAME	CONTROL
MV1	OPENS WITH FIRE SITUATION START PUSH BUTTON AND CLOSES WITH FIRE SITUATION STOP PUSH BUTTON
MV2	CLOSES WHEN MV1 OPENS AND OPENS WHEN MV1 CLOSES
SV1	CLOSES WITH TRUCKFILL START AND OPENS WITH TRUCKFILL STOP OR TIMER
SV2	OPENS WITH BUCKETFILL START AND CLOSES WITH BUCKETFILL STOP OR TIMER

ORIGINAL SIGNED
BY ENGINEER

NOT TO SCALE:
PANEL FED FROM MULTIPLE SOURCES

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				DESIGN	SAI	REVIEWED BY	GS
				DRAWN	JPM	CHECKED BY	GS
				DATE	MARCH 2012		
				SCALE	NTS		
No.		ISSUED FOR		DATE		BY	

TALOYOAK WATER TREATMENT PLANT RECORD DRAWINGS
TALOYOAK, NUNAVUT

PROJECT NO.
07-8107-2000

ELECTRICAL PANELS AND ELEVATION

SHEET NO.

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