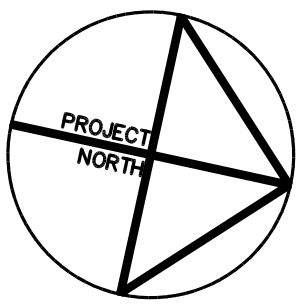




- NOTES:**
- PROVIDE 4800m (262') HEAT TRACE CABLE, PROTETMAX #0/232E/200/80W/856/208/21M/422X/Y. PROVIDE PROPER THEATRE CABLE TO THE PUMP ROOMS.
 - PROVIDE TWO 920 CONTROLLERS WITH SUPPLY MODULES TO CONTROL THE PUMPS. PROVIDE TWO 920 CONTROLLERS TO CONTROL THE PUMPS. PROVIDE TWO 920 CONTROLLERS TO CONTROL THE PUMPS.
 - PROVIDE TWO RTD THERMISTORS TO BE INSTALLED 40M DOWN THE PIPE. THERMISTORS ARE TO BE TIED INTO THE CONTROLLER.
 - PROVIDE HAND-OFF-AUTO, MAGNETIC STARTER WITH PILOT LIGHT AS INDICATED. COMPLETE WITH DRY CONTACT AND CONTROL WIRING TO INDICATE OPEN SWITCH WHEN GENERATION IS SUPPLYING POWER TO PUMPS.



NOTES: GENERAL CONTRACTOR TO VERIFY ALL DIMENSIONS NOTIFIED BY THE ENGINEERS OF ANY ERRORS AND/OR OMISSIONS. NOTIFY THE ENGINEERS OF ANY ERRORS AND/OR OMISSIONS. DO NOT SCALE THIS DRAWING.

No.	DESCRIPTION	DATE	BY	APPROD
1	ISSUED FOR 80% REVIEW	06/12/2013		
2	ISSUED FOR 75% REVIEW	22/02/2013		
3	ISSUED FOR REVIEW	03/01/2013		
R E V I S I O N S				

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CLIENT
GOVERNMENT OF NUNAVUT
DEPARTMENT OF COMMUNITY
AND GOVERNMENT SERVICES

PROJECT
CORAL HARBOUR, NUNAVUT
NEW PUMPING STATION

TITLE
ELECTRICAL
SCHEDULES AND DETAILS

drawn by	A.W.	project no.	8011-116
checked by	D.O.	drawing no.	
date	MARCH 2013		
AS SHOWN			E2

MOTOR NO.	SERVICE DESCRIPTION	MOTOR LOCATION	MOTOR CHARACTERISTICS		SOURCE	FEEDER	MOTOR BREAKER SIZE	MAGNETIC STARTERS										REMOTE CONTR.				INTERLOCK	REMARKS
			H.P.	F.L.A. VOLT PH.				TOGGLE	PUSH BUTTON	PILOT LIT.	STOP	START	REVERSE	INTERLOCK	TEST/AUTO	PILOT LIT.	STOP	STOP/START	INTERLOCK TO	PILOT LIT.	STOP		
WP-01	WATER PUMP 01	PUMP RM	15	208V	3ø	BP-A	3 #4 + 8GRO	110A-3P	•	•	•	•	•	•	•	•	•	•	•	•	•		
WP-02	WATER PUMP 02	PUMP RM	15	208V	3ø	BP-A	3 #4 + 8GRO	110A-3P	•	•	•	•	•	•	•	•	•	•	•	•	•		
TP-01	TRANSFER PUMP 01	PUMP RM	0.5	120V	1ø	BP-A	2 #12 + 8GRO	15A-1P	•	•	•	•	•	•	•	•	•	•	•	•	•		
MC-01	CHEMICAL WATER 01	CHEM RM	0.05	120V	1ø	BP-A	2 #12 + 8GRO	15A-1P	•	•	•	•	•	•	•	•	•	•	•	•	•		
SP-01	SUMP PUMP 01	PUMP RM	0.5	120V	1ø	BP-A	2 #12 + 8GRO	15A-1P	•	•	•	•	•	•	•	•	•	•	•	•	•		
SP-02	SUMP PUMP 02	CHEM RM	0.4	120V	1ø	BP-A	2 #12 + 8GRO	15A-1P	•	•	•	•	•	•	•	•	•	•	•	•	•		
DWE-01	DOMESTIC WATER PUMP	PUMP RM	0.9	120V	1ø	BP-A	2 #12 + 8GRO	15A-1P	•	•	•	•	•	•	•	•	•	•	•	•	•		
HRV-01	HEAT RECOVERY VENT.	PUMP RM	0.5	120V	1ø	BP-A	2 #12 + 8GRO	15A-1P	•	•	•	•	•	•	•	•	•	•	•	•	•		
WH-01	HOT WATER TANK 01	CHEM RM	1.5kW	120V	1ø	BP-A	2 #12 + 8GRO	15A-1P	•	•	•	•	•	•	•	•	•	•	•	•	•		
UH-01	UNIT HEATER 01	PUMP RM	0.25	120V	1ø	BP-A	2 #12 + 8GRO	15A-1P	•	•	•	•	•	•	•	•	•	•	•	•	•		
EH-01	ELECTRIC HEATER 01	CHEM RM	3kW	208V	3ø	BP-A	3 #12 + 8GRO	15A-1P	•	•	•	•	•	•	•	•	•	•	•	•	•		
EH-02	ELECTRIC HEATER 02	CHEM RM	3kW	208V	3ø	BP-A	3 #12 + 8GRO	15A-1P	•	•	•	•	•	•	•	•	•	•	•	•	•		
DH-01	DUCT HEATER 01	PUMP RM	3kW	208V	3ø	BP-A	3 #12 + 8GRO	15A-1P	•	•	•	•	•	•	•	•	•	•	•	•	•		
MC-01	MOTORIZED DAMPER 01	CHEM RM	—	120V	1ø	BP-A	2 #12 + 8GRO	15A-1P	•	•	•	•	•	•	•	•	•	•	•	•	•		
MC-02	MOTORIZED DAMPER 02	CHEM RM	—	120V	1ø	BP-A	2 #12 + 8GRO	15A-1P	•	•	•	•	•	•	•	•	•	•	•	•	•		
MC-03	MOTORIZED DAMPER 03	CHEM RM	—	120V	1ø	BP-A	2 #12 + 8GRO	15A-1P	•	•	•	•	•	•	•	•	•	•	•	•	•		
MC-04	MOTORIZED DAMPER 04	CHEM RM	—	120V	1ø	BP-A	2 #12 + 8GRO	15A-1P	•	•	•	•	•	•	•	•	•	•	•	•	•		
MC-05	MOTORIZED DAMPER 05	CHEM RM	—	120V	1ø	BP-A	2 #12 + 8GRO	15A-1P	•	•	•	•	•	•	•	•	•	•	•	•	•		
MC-06	MOTORIZED DAMPER 06	CHEM RM	—	120V	1ø	BP-A	2 #12 + 8GRO	15A-1P	•	•	•	•	•	•	•	•	•	•	•	•	•		

2 MOTOR SCHEDULE N.T.S.

PANEL DESIGNATION..... DP-A										PANEL LOCATION..... ELECT. RM.									
NUMBER OF POLES..... 60										MOUNTING..... SURFACE									
MANS CAPACITY..... 200A										SHORT CIRCUIT CAPACITY: 10KA									
MANS BREAKER..... 200A																			
DESCRIPTION	LOAD	BRK. AMP/POLE	CCT	PHASE	CCT	BRK. AMP/POLE	LOAD	DESCRIPTION	LOAD	BRK. AMP/POLE	CCT	PHASE	CCT	BRK. AMP/POLE	LOAD				
GENERATOR ROOM LIGHTING	15A 1P	15A 1P	1	A	2	15A 1P	15A 1P	OUTLETS GENERATOR ROOM	15A 1P	15A 1P	1	A	2	15A 1P	15A 1P				
PUMP ROOM LIGHTING	15A 1P	15A 1P	3	B	4	15A 1P	15A 1P	OUTLETS PUMP ROOM	15A 1P	15A 1P	3	B	4	15A 1P	15A 1P				
EXTERIOR LIGHTING	15A 1P	15A 1P	5	C	6	15A 1P	15A 1P	EXTERIOR GR. OUTLETS	15A 1P	15A 1P	5	C	6	15A 1P	15A 1P				
MOTORIZED DAMPERS	15A 1P	15A 1P	7	A	8	15A 1P	15A 1P	SUMP PUMP SE-01 & SE-02	15A 1P	15A 1P	7	A	8	15A 1P	15A 1P				
TRANSFER PUMP	15A 1P	15A 1P	9	B	10	15A 1P	15A 1P	TRANSFER PUMP	15A 1P	15A 1P	9	B	10	15A 1P	15A 1P				
GENERATOR BLOCK HEATER	15A 1P	15A 1P	11	C	12	15A 1P	15A 1P	GENERATOR BLOCK HEATER	15A 1P	15A 1P	11	C	12	15A 1P	15A 1P				
CONTROL PANEL DP-01	15A 1P	15A 1P	13	A	14	15A 1P	15A 1P	CONTROL PANEL DP-01	15A 1P	15A 1P	13	A	14	15A 1P	15A 1P				
ENERGY RECOVERY EHV-1	15A 1P	15A 1P	15	B	16	15A 1P	15A 1P	ENERGY RECOVERY EHV-1	15A 1P	15A 1P	15	B	16	15A 1P	15A 1P				
ENERGY RECOVERY EHV-2	15A 1P	15A 1P	17	C	18	15A 1P	15A 1P	ENERGY RECOVERY EHV-2	15A 1P	15A 1P	17	C	18	15A 1P	15A 1P				
ENERGY RECOVERY EHV-3	15A 1P	15A 1P	19	A	20	15A 1P	15A 1P	ENERGY RECOVERY EHV-3	15A 1P	15A 1P	19	A	20	15A 1P	15A 1P				
ENERGY RECOVERY EHV-4	15A 1P	15A 1P	21	B	22	15A 1P	15A 1P	ENERGY RECOVERY EHV-4	15A 1P	15A 1P	21	B	22	15A 1P	15A 1P				
ENERGY RECOVERY EHV-5	15A 1P	15A 1P	23	C	24	15A 1P	15A 1P	ENERGY RECOVERY EHV-5	15A 1P	15A 1P	23	C	24	15A 1P	15A 1P				
ENERGY RECOVERY EHV-6	15A 1P	15A 1P	25	A	26	15A 1P	15A 1P	ENERGY RECOVERY EHV-6	15A 1P	15A 1P	25	A	26	15A 1P	15A 1P				
ENERGY RECOVERY EHV-7	15A 1P	15A 1P	27	B	28	15A 1P	15A 1P	ENERGY RECOVERY EHV-7	15A 1P	15A 1P	27	B	28	15A 1P	15A 1P				
ENERGY RECOVERY EHV-8	15A 1P	15A 1P	29	C	30	15A 1P	15A 1P	ENERGY RECOVERY EHV-8	15A 1P	15A 1P	29	C	30	15A 1P	15A 1P				
ENERGY RECOVERY EHV-9	15A 1P	15A 1P	31	A	32	15A 1P	15A 1P	ENERGY RECOVERY EHV-9	15A 1P	15A 1P	31	A	32	15A 1P	15A 1P				
ENERGY RECOVERY EHV-10	15A 1P	15A 1P	33	B	34	15A 1P	15A 1P	ENERGY RECOVERY EHV-10	15A 1P	15A 1P	33	B	34	15A 1P	15A 1P				
ENERGY RECOVERY EHV-11	15A 1P	15A 1P	35	C	36	15A 1P	15A 1P	ENERGY RECOVERY EHV-11	15A 1P	15A 1P	35	C	36	15A 1P	15A 1P				
ENERGY RECOVERY EHV-12	15A 1P	15A 1P	37	A	38	15A 1P	15A 1P	ENERGY RECOVERY EHV-12	15A 1P	15A 1P	37	A	38	15A 1P	15A 1P				
ENERGY RECOVERY EHV-13	15A 1P	15A 1P	39	B	40	15A 1P	15A 1P	ENERGY RECOVERY EHV-13	15A 1P	15A 1P	39	B	40	15A 1P	15A 1P				
ENERGY RECOVERY EHV-14	15A 1P	15A 1P	41	C	42	15A 1P	15A 1P	ENERGY RECOVERY EHV-14	15A 1P	15A 1P	41	C	42	15A 1P	15A 1P				
ENERGY RECOVERY EHV-15	15A 1P	15A 1P	43	A	44	15A 1P	15A 1P	ENERGY RECOVERY EHV-15	15A 1P	15A 1P	43	A	44	15A 1P	15A 1P				
ENERGY RECOVERY EHV-16	15A 1P	15A 1P	45	B	46	15A 1P	15A 1P	ENERGY RECOVERY EHV-16	15A 1P	15A 1P	45	B	46	15A 1P	15A 1P				
ENERGY RECOVERY EHV-17	15A 1P	15A 1P	47	C	48	15A 1P	15A 1P	ENERGY RECOVERY EHV-17	15A 1P	15A 1P	47	C	48	15A 1P	15A 1P				
ENERGY RECOVERY EHV-18	15A 1P	15A 1P	49	A	50	15A 1P	15A 1P	ENERGY RECOVERY EHV-18	15A 1P	15A 1P	49	A	50	15A 1P	15A 1P				
ENERGY RECOVERY EHV-19	15A 1P	15A 1P	51	B	52	15A 1P	15A 1P	ENERGY RECOVERY EHV-19	15A 1P	15A 1P	51	B	52	15A 1P	15A 1P				
ENERGY RECOVERY EHV-20	15A 1P	15A 1P	53	C	54	15A 1P	15A 1P	ENERGY RECOVERY EHV-20	15A 1P	15A 1P	53	C	54	15A 1P	15A 1P				
ENERGY RECOVERY EHV-21	15A 1P	15A 1P	55	A	56	15A 1P	15A 1P	ENERGY RECOVERY EHV-21	15A 1P	15A 1P	55	A	56	15A 1P	15A 1P				
ENERGY RECOVERY EHV-22	15A 1P	15A 1P	57	B	58	15A 1P	15A 1P	ENERGY RECOVERY EHV-22	15A 1P	15A 1P	57	B	58	15A 1P	15A 1P				
ENERGY RECOVERY EHV-23	15A 1P	15A 1P	59	C	60	15A 1P	15A 1P	ENERGY RECOVERY EHV-23	15A 1P	15A 1P	59	C	60	15A 1P	15A 1P				
HEAT TRACE FOR WE-01 (FRI)								HEAT TRACE FOR WE-02 (FRI)											
BATTERY CHARGER								SPARE											
WATER PUMP WE-01	80A 3P	15A 1P	43	A	44	80A 3P	15A 1P	WATER PUMP WE-02	80A 3P	15A 1P	43	A	44	80A 3P	15A 1P				
			</																