Voltage: 208/Y/120 VOLTS, 3 Phase, 4 Wire Type: Lighting and Equipment				4							Mount: MCC					
					Panel board Schedule (P-1)							Min AIC: 42,000 A				
CKT	AMP	Р	Load	LTG.	RECEP.	Equip.	Spare	PH	Spare	Equip.	Recep	LTG.	Load	P AMP		CKT
1	20	1	Spare					Α				610	2 Overhead lights in northwest corner of building		20	2
3	20	1	Spare					В			900		duplex receptacle outlet	1	20	4
5	20	1	Building Sump 1					С				64	Overhead light above MCC panel	1	1 20	
7	20	1	PLC			100		Α			180		Exterior Receptacles	1	20	8
9	20	1	LSH-101					В			100		Flow Indicators	1	20	10
11	20	1	24VDC Power Supply					С			180		Control Panel Recept	1	20	12
13	20	1	Spare					Α		200			Building Sump 2	1	20	14
15	20	1	Spare					В				900	Overhead lights in building addition	1	20	16
17	20	1	Spare					С			900		duplex receptacle outlet	1	20	18
19								Α								20
21								В								22
23	15	3	P-4					С					P-2	3	15	24
25								Α								26
27								В								28
29	15	3	P-2					С					P-3	3	15	30
31								Α								32
33								В								34
35	15	3	P-5					С					Heat (UH-1)	3	20	36
37								Α								38
39								В								40
41			Bussed Space					С					Bussed Space			42
Load Totals: VA						100				200	2260	1,57	4 Load Totals: VA			
Totals with NEC Factors: VA											2260		Totals with NEC Factors: VA			

•	8	•	9
	CLAUTER CUTIETS SP-1 PRODUCTION PRODUC	THE COLLEGE TO THE COLUMN COLUMN TO THE COLU	SUDGE PURE PURE PURE PURE PURE PURE PURE PUR
PROPRIED BATT		(np.)	HX MALOURIED HX MALOURIE MARTING PARAMETERS TO LARGATION
S.A.	DING EMERGENCY EYEMASH STATION SLOP SINK	P-1 MOD ADDITION	THE CONTRACT OF THE CONTRACT O
	FOUNDAT 1/4"	TION PLAN TO STATE AND A STAT	Transcended have experience of attention experience of the control

			Equipment Rating		Starter Data			Disconnect Data						Conducers						
ID	Description	Location	Rating	Volt	Ph	Location	BY	Туре	Size	Fuse/CB	Location	Ву	Туре	Source	Breaker	Conduit	Phase	Neutral	Ground	See Note(s)
Existing Equipm	ent									_		•								
P-201	Centrifugal Process Pump	Process Building	1/2 HP	208		в мсс	E	AFD	1/2 HP					MCC, 2A	3P, 15 AMP	1/2"	3 #12		(1) #12	1
P-202	Centrifugal Process Pump	Process Building	1/2 HP	208	:	з мсс	E	AFD	1/2 HP					MCC, 2B	3P, 15 AMP	1/2"	3 #12		(1) #12	1
P-203	Centrifugal Process Pump	Process Building	1/2 HP	208		в мсс	E	AFD	1/2 HP					MCC, 2C	3P, 15 AMP	1/2"	3 #12		(1) #12	1
P-204	Centrifugal Process Pump	Process Building	1/2 HP	208	į	в мсс	E	AFD	1/2 HP					MCC, 2D	3P, 15 AMP	1/2"	3 #12		(1) #12	1
UH-1	Unit Heater (potental propane)	Process Building	5 kw	208		3 Process Building	E	AFD			MCC, CB within site			P-1	3P, 15 AMP	1/2"	3 #8		(1) #12	1,5
P-1	Submersible Pump	Extraction Well #1	1/2 HP	208		3 Extraction Well #1	E	AFD	1/2 HP					МСС, ЗА	3P, 15 AMP	1"			(1) #12	1,3
P-2	Submersible Pump	Extraction Well #2	1/2 HP	208	1	3 Extraction Well #2	E	AFD	1/2 HP					МСС, ЗВ	3P, 15 AMP	1"	3 #10		(1) #12	1,3
P-3	Submersible Pump	Extraction Well #3	1/2 HP	208		3 Extraction Well #3	E	AFD	1/2 HP					MCC, 3C	3P, 15 AMP	1"	3 #8		(1) #12	1,3
P-4	Submersible Pump	Subsurface Collection Trench Sump	1/2 HP	208	:	Subsurface Collection Trench Sump	E	AFD	1/2 HP					MCC, 4C	3P, 15 AMP	1"	3 #8		(1) #12	1,3
P-5	Submersible Pump	Effluent Collection Sump	1 HP	208		Effluent Collection Sump	E	AFD	1 HP					MCC, 10	3P, 15 AMP	1"	3 #10		(1) #12	1,3
Proposed Equip	ment	•							•									•		
P-LT	Holding tank	Process Building	1/2 HP	208	:	з мсс	E	AFD	1/2 HP					MCC, 5C	3P, 15 AMP	1/2"	3 #12		(1) #12	1
SP-1	Sludge Pump	Process Building	2 HP	208	:	в мсс	E	AFD	2 HP					MCC, 5A	3P, 15 AMP	1/2"	3 #12		(1) #12	1
SP-2	Sludge tank to CWTS 3	Process Building	2 HP	208		MCC	E	AFD	2 HP					MCC, 5B	3P, 15 AMP	1/2"	3 #12		(1) #12	1
P-DCI	Clarifer to Decant Tank	Process Building	1/2 HP	208		з мсс								MCC, 5C		1/2"	1/2"	1/2"	1/2"	1/2"
P-C3	Sludge dryign bed to Clarifer	Cell 3	1/2 HP	208		в мсс	E	AFD	1/2 HP					MCC, 2D	3P, 15 AMP	1/2"	3 #12		(1) #12	1
P-6	Submersible Pump	Building Addition Collection Sump	1 HP	208		Building Addition Collection Sump	E	AFD	1 HP					MCC, 10	3P, 15 AMP	1"	3 #10		(1) #12	1,3
UH-2	Unit Heater (potental propane)	Process Building Addition	5 kw	208		3 Process Building	E	AFD			MCC, CB within site			P-1	3P, 15 AMP	1/2"	3 #8		(1) #12	1,5
GeoSys	Geothermal System	Process Building				Process Building	М	SC	Rated		At unit	М	Manual							BY OTHERS

Electrical Equipment Schedule Notes: 1. Fully Coordinate all details of equipment installation and connection with all other trades. Provide all necessary conduits, con ductors, auxiliary contacts, services, and connections required for a complete and fully functioning unit and system.

3. Adjustable Frequency drive is field driven outside at the location designated. Include a NEMA 4 enclosure, strip heater as per specs, Allen-Bradley interface device 1203 G01, Scan bus cable, and block 1/0 device within enclosure. Provide control circ 4. Has a starter with "HAND-OFF- AUTO" selector switch.

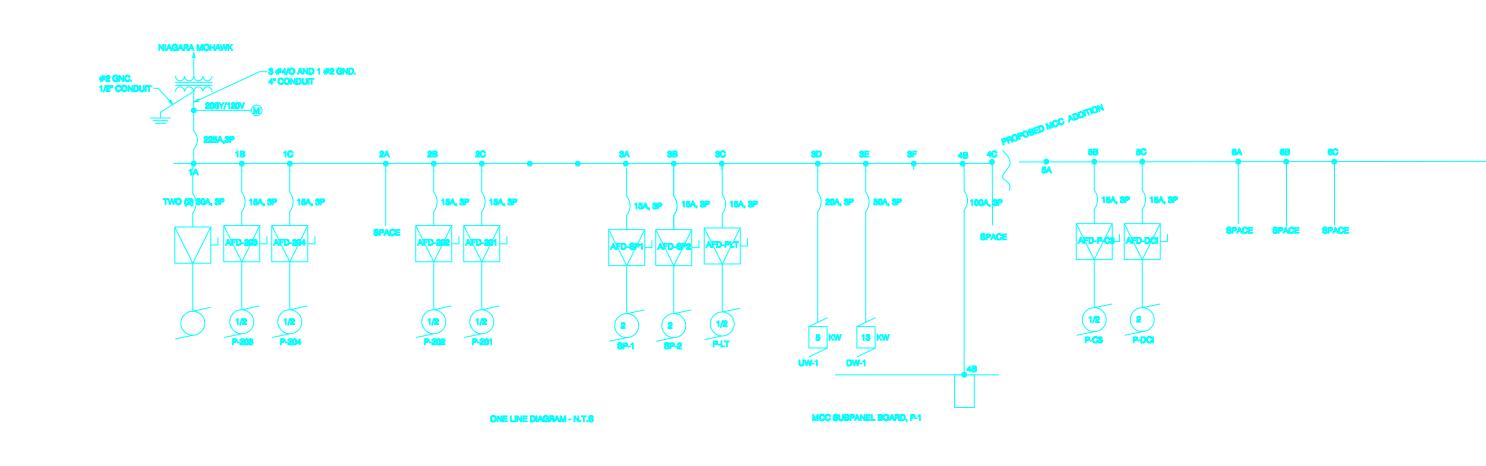
Motor Alternator
Combination Motor Starter Mechanical Contractor Equipment Supplier 2. Unit controlled by float switch / level transmitter / electronic transmitter switches provided and installed by mechanical contractor: provide all wiring required CB Circuit Breaker

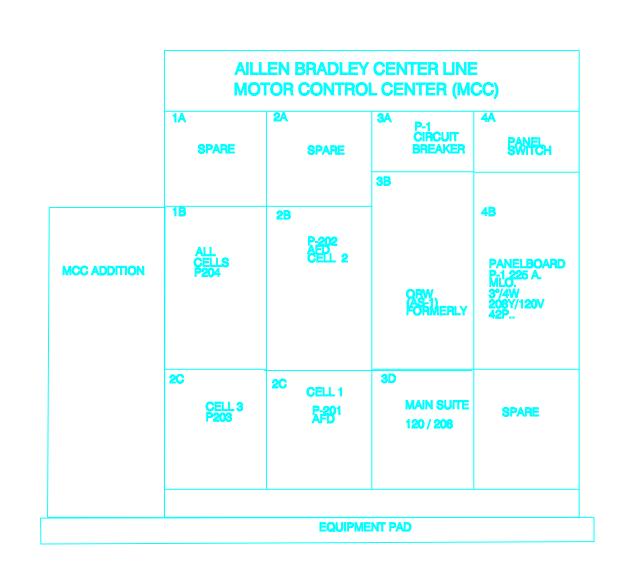
FVNR Full Voltage Non-Reversing

MAG Magnetic Motor Starter

AFD Adjustable Frequency Drive

E Electrical Contractor MANUAL Manual Motor Starter
NF Non-Fused
RATED Motor Rated
T.O. Thermal Overload 5. Equipment controlled by Thermostat provided by Mechanical contractor. Install thermostat and provide all required wiring. Solid State Speed Control 6. Unit controlled by solid state controller provided by mechanical contractor. Install controller and provide all required wiring.





NOTE: FIELD VERIFY ALL DETAILS ON THIS FIGURE

Electrical Equipment Schedule Abbrevations:

ELECTRICAL POWER AND FLOOR PLAN

FORT EDWARD LANDFILL LEAVY HOLLOW ROAD FORT EDWARD, NEW YORK NYSDEC SITE 558001

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			Ph:(518)877-7101 Fex:(518)877-8581 www.hrpassociates.com	TRB CHECKED	NEW9622. PROJECT NO.	.OM		