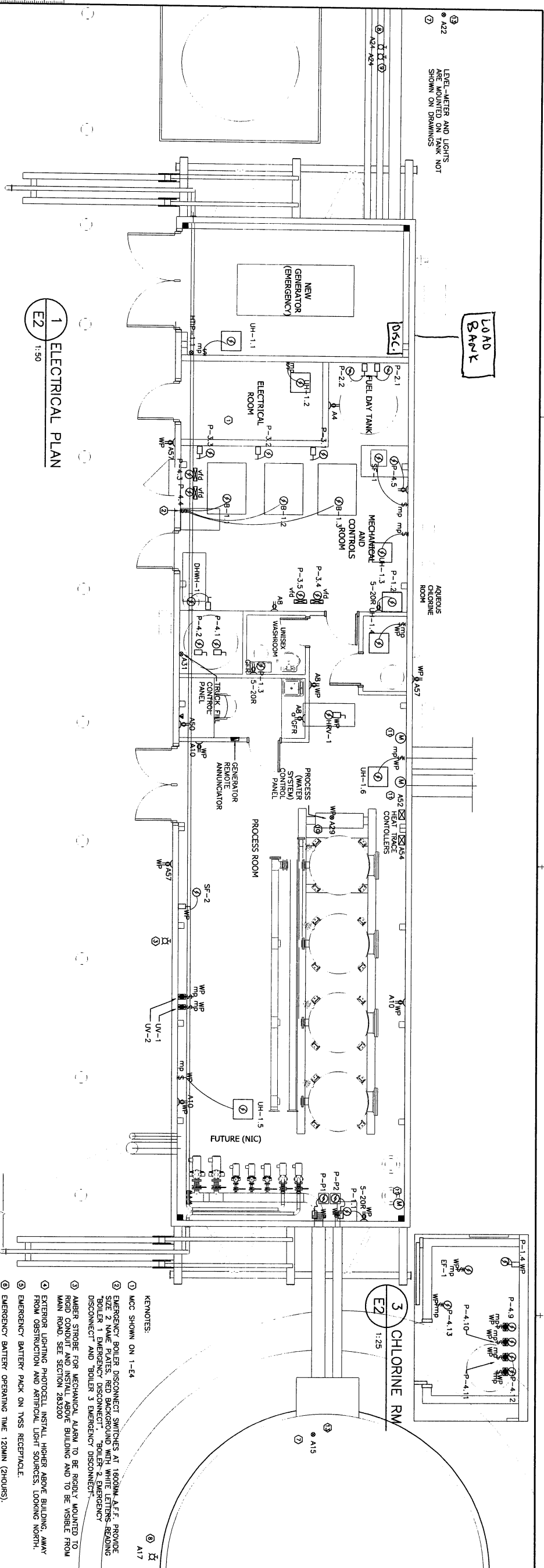
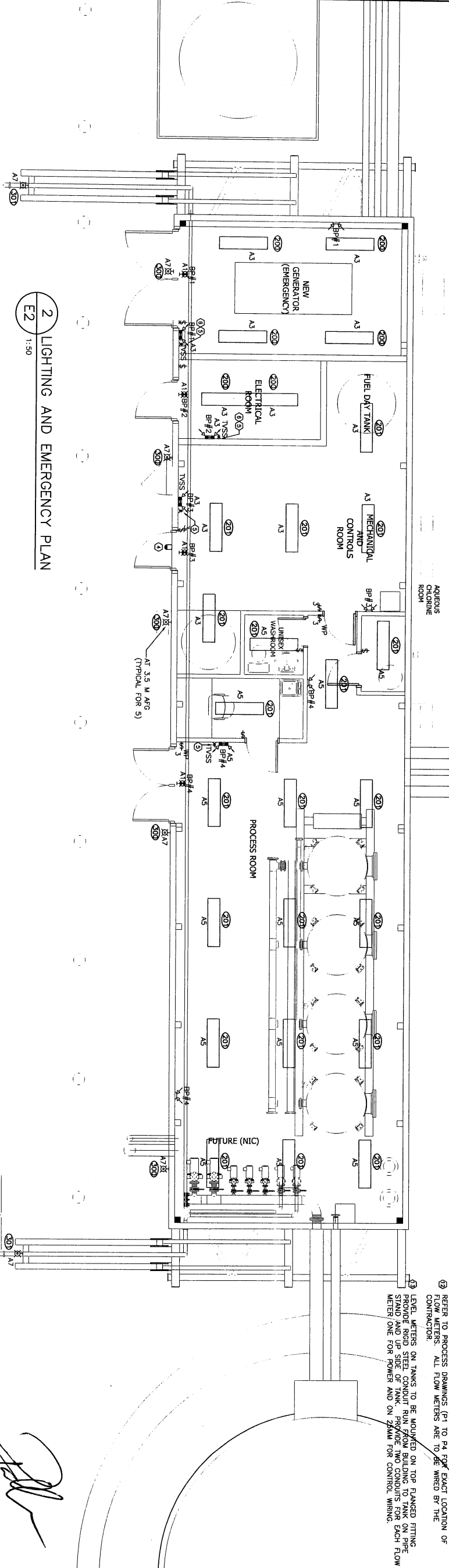
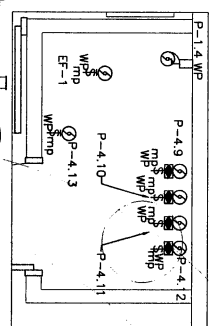




1 ELECTRICAL PLAN
E2 1:50

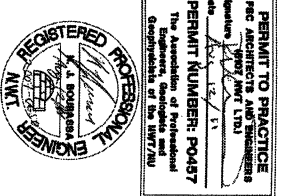
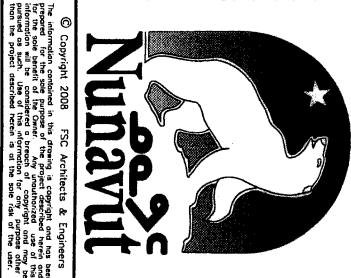


2 LIGHTING AND EMERGENCY PLAN
E2 1:50



3 CHLORINE RM
E2 1:25

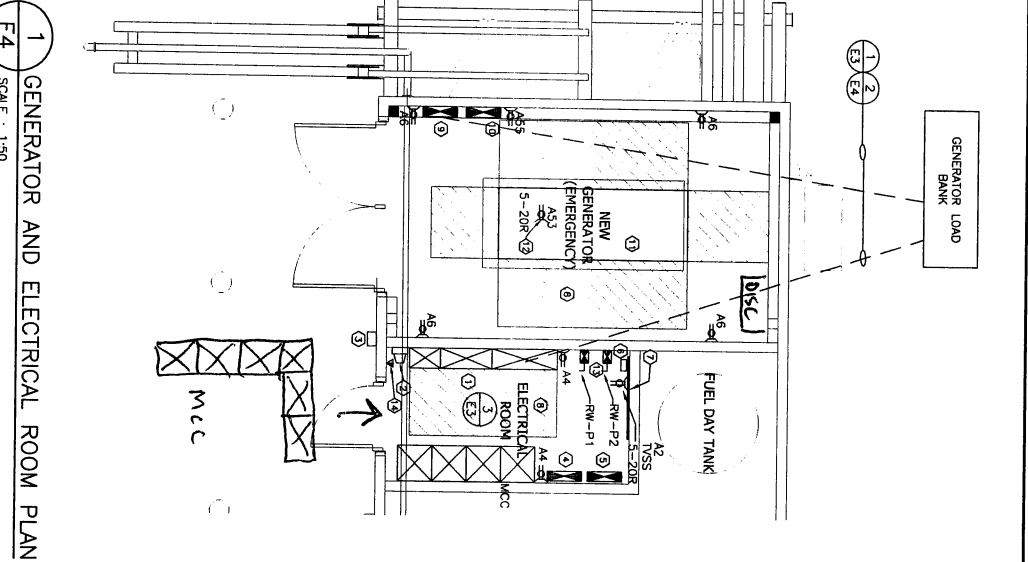
- KEYNOTES:
- ① MCC SHOWN ON 1-E4
 - ② EMERGENCY BOLLER DISCONNECT SWITCHES AT 1600MM A.F.F. PROVIDE SIZE 2 NAME PLATES, RED BACKGROUND WITH WHITE LETTERS, READING "BOLLER 1 EMERGENCY DISCONNECT", "BOLLER 2 EMERGENCY DISCONNECT" AND "BOLLER 3 EMERGENCY DISCONNECT"
 - ③ AMBER STROBE FOR MECHANICAL ALARM TO BE RIGIDLY MOUNTED TO MAIN ROAD. SEE SECTION 283200
 - ④ EXTERIOR LIGHTING PHOTOCELL, INSTALL HIGHER ABOVE BUILDING, AWAY FROM OBSTRUCTION AND ARTIFICIAL LIGHT SOURCES, LOOKING NORTH.
 - ⑤ EMERGENCY BATTERY PACK ON VSS RECEPTACLE.
 - ⑥ JUNCTION BOX FOR LEVEL-METER, COORDINATE WITH CIVIL DRAWINGS
 - ⑦ TO PROCESS DRAWINGS (P1 TO P4 FOR EXACT LOCATION OF THESE PANELS, EXCEPT FOR THE THREE SHOWN ON THIS DRAWING WHICH ARE TO BE WIRED BY CONTRACTOR.
 - ⑧ HIGH LEVEL LIGHT (AMBER) PER SECTION 283200
 - ⑨ LOW LEVEL LIGHT (RED) PER SECTION 283200
 - ⑩ MOTORIZED VALVES ARE ALL FED FROM PROCESS CONTROL PANEL, REFER TO PROCESS DRAWINGS (P1 TO P4 FOR EXACT LOCATION OF THESE PANELS, EXCEPT FOR THE THREE SHOWN ON THIS DRAWING WHICH ARE TO BE WIRED BY CONTRACTOR.
 - ⑪ MOTORIZED VALVE
 - ⑫ REFER TO PROCESS DRAWINGS (P1 TO P4 FOR EXACT LOCATION OF FLOW METERS. ALL FLOW METERS ARE TO BE WIRED BY THE CONTRACTOR.
 - ⑬ LEVEL METERS ON TANKS TO BE MOUNTED ON TOP FLANGED FITTING, PROVIDE RIGID STEEL CONDUIT RUN FROM BUILDING TO TANK ON PIPE STRAND AND UP SIDE OF TANK. PROVIDE TWO CONDUITS FOR EACH FLOW METER, ONE FOR POWER AND ON 22MM FOR CONTROL WIRING.



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**NEW WATER
PUMP/CHLORINATION
FACILITY AND INTAKE
STRUCTURE**
LOCATION: BAKERLAKE, NU

DRAWN BY	NR	SCALE	AS SHOWN
CHECKED BY	NB	DATE	07-30-23
PROJECT NO.	2007-0650		
DRAWING NO.	E2		



1 GENERATOR AND ELECTRICAL ROOM PLAN
SCALE : 1:50

PANEL: A														
VOLTS: 120/208		LOCATION: ELECTRICAL ROOM		BUSES: 225A		MTC: SURFACE								
PHASE: 3		FEEDER: REFER TO SINGLE LINE												
WIRE: 4														
CIRC	BRKR	A	B	C	DESCRIPTION	A	B	C	BRKR	CIRC				
*1	1P15	50			EXIT SIGNS	TELE. BACKGROUND RECEIPT			1P20	2				
3	1P15		1011		LIGHTS & EMERGENCY LGHTS	RECEIPTS ELEC. & MECH. RM			1P15	4				
5	1P15			1184	LIGHTS & EMERGENCY LGHTS	RECEIPTS GEN. RM			1P15	6				
7	1P15	510			EXTERIOR LIGHTS	RECEIPTS MECH. & PRO. RM			1P15	8				
9	1P15		100		B-1.1	RECEIPTS PROCESS. RM			1P15	8				
11	1P15			100	B-1.2	ST-1			1P15	10				
13	1P20	1500			DHWH-1	ST-1			1P15	12				
15	1P25				SPACE	P-1.1			1P15	14				
17	1P25				SPACE	P-1.2			1P20	16				
19	1P15	150			P-4.9	P-1.3			1P20	18				
21	1P15			150	P-4.10	SPACE			1P20	20				
23	1P15			150	P-4.11	SPACE								
25	1P15	150			P-4.12	SPACE								
27	1P15		40		P-4.13	SPACE								
29	1P15			100	WATER SYSTEM CONTR. PNL	UH-1.1 TO UH-1.2			1P15	28				
31	1P15	100			TRUCK FILL CONTR. PNL	UH-1.1 TO UH-1.2			1P15	30				
33	1P15			150	HTP-1.1	SPACE			1P25	32				
35	1P15					UV-1			2P15	34				
37	1P15					UV-2			2P15	36				
39	1P15								2P15	38				
41	1P15								2P15	40				
43	1P15	100			FL-0 & 1	MOTORIZED CONTROL VALVES			3P15	42				
45	1P15				FL-2 & 3				3P15	44				
47	1P15		200		FL-4 & 5				1P15	46				
49	1P15	100			FL-6 & 7, 8	UH-1.3 TO UH-1.6			1P15	48				
51	1P15				SPACE	RECEIPTS OPERATOR RM			1P15	50				
53	1P20	250			GENERATOR BLOCK HEATER	HEAT TRACE #1			**2P40	52				
55	1P15			1500	GENERATOR BATTERY CHARGER	HEAT TRACE #2			**2P40	54				
57	1P15	250			EXTERIOR RECEPTACLES				**2P40	56				
59	1P15			100	SPACE				2P40	58				
61	1P15				SPACE				2P40	60				
63	1P15				SPACE				2P40	62				
65	1P15				SPACE				2P40	64				
67	1P15				SPACE				2P40	66				
69	1P15				SPACE				2P40	68				
71	1P15				SPACE				2P40	70				
					SPACE				2P40	72				
TOTAL		2910	1901	3334							4878	7635	4305	TOTAL
PHASE A TOTAL =		7788												
PHASE B TOTAL =		9536												
PHASE C TOTAL =		7639												
TOTAL =		24963												
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