

PANEL ID:	PNL-M22U (WAS PNL-E)	AMPS:	225	VOLTS:	120/240V	PHASE:	1 P	WIRE:	3	SURF. MOUNT	<input type="checkbox"/>	TOP FED	<input type="checkbox"/>		
DESCRIPTION:	120/240V UPS PANELBOARD			LOCATION:	CONTROL ROOM										
MFG / MODEL:	SQUARE D NQOB			INTERRUPTING RATING:	10 KA										
MAIN BREAKER:	NONE			INST. SETTINGS:	N/A										
CCT.	DESCRIPTION	NOTE	WIRE (AWG)	BRKR AMPS	LOAD (VA)	L1	L2	LOAD (VA)	BRKR AMPS	WIRE (AWG)	NOTE	DESCRIPTION	CCT.		
1	STN. PLC DI/DO		15			15			15		PP#6 DI/DO	2			
3	MCP EQUIPMENT		15			15			15		PP#6 EQUIPMENT	4			
5	MCP UTILITY		15			15			15		PP#6 UTILITY	6			
7	WORK STN. & PRINTER		15			15			15		CHLORINATOR #1	8			
9	PP#1 DI/DO		15			15			15		CHLORINATOR #2	10			
11	PP#1 EQUIPMENT		15			15			15		CL2 SCALE + SHUTOFF CHLORINE VALVE	12			
13	PP#1 UTILITY + BATT. CHARGER		15			15			15		RESID ANALYZER PC-820-AIT	14			
15	PP#2 UTILITY		15			15			15		RESID ANALYZER PC-821-AIT	16			
17	PP#2 DI/DO		15			15			15		SOUTH FLOW PD-050-FT2	18			
19	PP#2 EQUIPMENT		15			15			15		NORTH FLOW PD-050-FT1	20			
21	PP#4 DI/DO		15			15			15		SPACE	22			
23	PP#4 EQUIPMENT		15			15			15		SPARE	24			
25	PP#4 UTILITY		15			15			15		GEN ROOM CCT#1	26			
27	PP#5 UTILITY + BATT. CHARGER		15			15			15		GEN ROOM CCT#2	28			
29	PP#5 DI/DO		15			15			15		GEN ROOM CCT#3	30			
31	PP#5 EQUIPMENT		15			15			15		BAILER UNDERVOLTAGE RELAY	32			
33	GAS ENGINE #3 EQUIPMENT		15			15			15		GAS ENGINE #3 DI/DO	34			
35	GAS ENGINE #3 LUBE PUMP		15			15	12		15		CO, LEI, LEAK DETECTION	36			
37	CL2 DETECTOR		15			15	12		15		FIRE ALARM PANEL FACP-M922	38			
39	ANALOGEN CL2 SHUTOFF VALVE SYS		15			15	12		15		SCR-M1, MCC-M710, M720, M730E PWR METER	40			
41	NEW RACK PLUG		20								SPACE	42			
TOTAL CONNECTED LOAD:				000.0 KVA	LINE 1:	0 KVA	0 A	NOTE LEGEND:							
				000.0 A (AVG)	LINE 2:	0 KVA	0 A	AFCI ARC FAULT CIRCUIT INTERRUPTOR							
				000.0 A (MAX)				GFCI GROUND FAULT CIRCUIT INTERRUPTOR							
								LOCK LOCKED BREAKER							

NOTES:  
1. PANEL SCHEDULE IS BASED ON EXISTING DOCUMENTATION.  
2. EXISTING LOADS HAVE NOT BEEN CALCULATED.

#### SPECIFIC NOTES:

1. PROVIDE POWER TO NEW CHLORINE DETECTOR SYSTEM. REUTILIZE EXISTING CABLEING FROM POWERHOUSE TO CHLORINE BUILDING. DEMOLISH EXISTING CHLORINE DETECTOR SYSTEM AND MODIFY/EXTEND AS NEEDED TO FACILITATE CONNECTION TO NEW CHLORINE DETECTOR SYSTEM.

#### GENERAL NOTES:

1. INSTALLATION COMPLIES WITH THE CANADIAN ELECTRICAL CODE, THE NATIONAL BUILDING CODE OF CANADA, AND CITY OF WINNIPEG ELECTRICAL BYLAW.
2. PROVIDED ALL NECESSARY MOUNTING ACCESSORIES FOR INSTALLATION OF NEW RUNNING MAN EXIT SIGNS.
3. EXIT SIGNS WERE INSTALLED IN ACCORDANCE WITH THE SIGN ORIENTATIONS SHOWN ON THE DRAWING TO INDICATE THE REQUIRED EGRESS PATH IN ACCORDANCE WITH BUILDING AND LOCAL AUTHORITY REQUIREMENTS

#### LUMINAIRE SCHEDULE

TYPE	MANUFACTURER	MODEL	QTY	LAMP TYPE	VOLTS (VAC)	LOAD (WATTS)	OUNTING	NOTE
A	PHILIPS	V3W443L840-UNV-LFA	6	LED	120	29	CS	1
B	PHILIPS	V3W443L840-UNV-LFA	10	LED	120	29	W, AN	1,2
C	PHILIPS	RBX20L840-UNV-ST-A22R	12	LED	120	158	SH	
D	PHILIPS	RBX10L840-UNV-ST-ARR16S	18	LED	120	87	SH	
E	PHILIPS	V3W435L840-UNV-LFA	23	LED	120	23	SH, W	3
F	LUMARK KEENE	WPL6B WP50-NW-G1-8-BZ	5	LED	120	46	W	
G	PHILIPS	1TG42L840-4-FS-12F-UNV	19	LED	120	44	R/TB	
H	PHILIPS	V3W451L840-UNV-LFA	13	LED	120	23	CS	
J	PHILIPS	V3W451L840-UNV-LFA	3	LED	120	35	SH	
K	PILA	WP440L40KU	4	LED	120	46	CS	
X		EXISTING LIGHTING						

MOUNTING LEGEND: CH CHAIN HUNG  
CS CEILING SURFACE  
SH STEM HUNG  
W WALL  
R/TB RECESSED/T-BAR  
AN AS NOTED ON DRAWINGS

NOTES:  
1. USE 10 AWG RW90 IN 16mm CONDUIT.  
2. LUMINAIRE TO BE MOUNTED ON WALL AND ANGLED AT 45 DEGREES DOWNWARD.  
3. CHLORINATOR TONNER ROOM VESTIBULE FIXTURE SHALL BE WALL MOUNTED.

#### EMERGENCY LIGHTING SCHEDULE

ID	MANUFACTURER	MODEL	INPUT		SOURCE PANEL	OUTPUT VOLTS	INTERNAL LAMPS		REMOTE FIXTURES		EXIT SIGNS		TOTAL LOAD (W)	DESIGN TIME	NOTE
			VOLTS	VA			QTY	TYPE	QTY	TYPE	QTY	TYPE			
ELB-M701	READY-LITE EMERGI-LITE	LDX12-1002LD7 12ESL100/2LG	120	40	LPA-20	12	2	LED, 4W	5	40	3	LED, 1.5W	53	>1.0 HRS	
ELB-M702	READY-LITE EMERGI-LITE	LDX12-1002LD7 12ESL100/2LG	120	40	LPA-10	12	2	LED, 4W	3	24	3	LED, 1.5W	37	>1.5 HRS	
ELB-M703	READY-LITE EMERGI-LITE	LDX12-1002LD7 12ESL100/2LG	120	40	LPA-5	12	2	LED, 4W	6	48	5	LED, 1.5W	64	>0.5 HRS	
ELB-G701	READY-LITE EMERGI-LITE	LDX12-1002LD7 12ESL100/2LG	120	40	PNL-B22-5	12	2	LED, 4W	0	0	1	LED, 1.5W	10	>4.0 HRS	
ELB-C701	READY-LITE EMERGI-LITE	LDX12-1002LD7 12ESL100/2LG	120	40	C731E-6	12	2	LED, 4W	6	48	5	LED, 1.5W	64	~1.0 HRS	

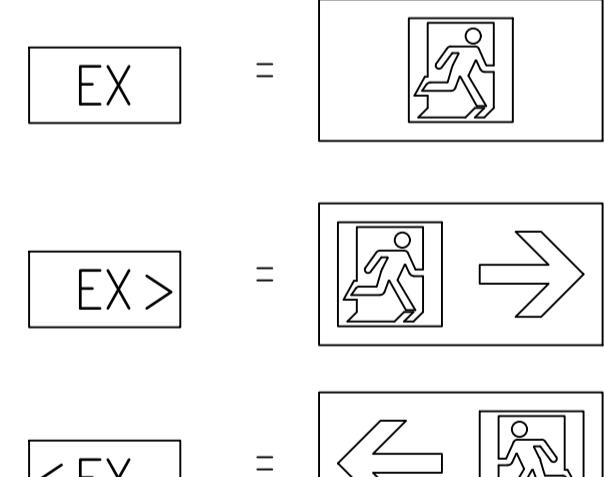
NOTES: 1. BATTERY RATED FOR 30 MIN. @ 100W.  
2. REMOTE FIXTURE: READY-LITE PART NO. RL150D-LD7 OR EMERGI-LITE PART NO. EF150D-LG  
3. CHLORINE BUILDING EQUIPMENT AND TANK ROOM ARE NEMA-4X. REMOTE FIXTURES WILL BE READY-LITE PART NO. NMMP2-LD7 OR EMERGI-LITE PART NO. EF39PDM-LG.  
4. UTILIZE EXISTING LIGHTING CIRCUIT IN GENERATOR ROOM. CONTRACTOR TO DETERMINE EXISTING LIGHTING CIRCUIT.

#### EXIT SIGN SCHEDULE

ID	DESCRIPTION	MANUFACTURER	MODEL	LOAD	NOTE
E1	EXTRUDED ALUMINUM EXIT SIGN, SINGLE-FACED	READY-LITE EMERGI-LITE	RA1WU EA1WU	<2.5W (AC) <1.5W (DC)	
E2	EXTRUDED ALUMINUM EXIT SIGN, DOUBLE-FACED	READY-LITE EMERGI-LITE	RA2WU EA2WU	<2.5W (AC) <1.5W (DC)	
E3	NEMA 4X RATED, SINGLE-FACED	READY-LITE EMERGI-LITE	EA1WU EN1WU	<2.5W (AC) <1.5W (DC)	

NOTES:

#### LEGEND:



'EX' DENOTES NUMBER #E1-E3 ON EXIT SIGN SCHEDULE

1-0640M-E0050	ELECTRICAL LIGHTING PLAN, PUMPHOUSE MEZZANINE LEVEL
1-0640M-E0049	ELECTRICAL LIGHTING PLAN, PUMPH