

CHLORINE BUILDING LIGHTING LAYOUT – ELEV 233.334

SCALE: 1:50

LUMINAIRE SCHEDULE

TYPE	MANUFACTURER	MODEL	QTY	LAMP TYPE	VOLTS (VAC)	LOAD (WATTS)	MOUNTING	NOTE
A	PHILIPS	V3W435L840-UNV-LFA	4	LED	120	23	W	3500 LUMENS
B	PHILIPS	V3W451L840-UNV-LFA	9	LED	120	23	W	5100 LUMENS

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

EXIT SIGN AND EMERGENCY LIGHTING SCHEDULE

ID	DESCRIPTION	MANUFACTURER	MODEL	LOAD	NOTE
E1	NEMA 4X RATED COMBO UNIT EXIT LIGHT WITH LED LAMPS	LUMACELL	3LER3000	<2.5W (AC) <1.5W (DC)	
EA	NEMA 4X RATED LED REMOTE HEAD	LUMACELL	MQM2NX	12W (DC)	

DEMOLITION NOTES:

- (A) DEMOLISH EXISTING LUMINAIRES IN THE CHLORINATOR EQUIPMENT ROOM AND THE TONNER ROOM WHERE NEW LUMINAIRES ARE TO BE INSTALLED. EXISTING WIRING AND CONDUIT TO BE REUSED EXISTING ESSENTIAL / NON-ESSENTIAL LIGHTING CIRCUITS ARE TO BE CONFIRMED ON SITE.
- (B) DEMOLISH EXISTING EXIT SIGN IN CHLORINE SCALE ROOM. DEMOLISH ALL CONDUIT AND CABLEING BACK TO A SUITABLE JUNCTION POINT. PROVIDE JUNCTION BOX KNOCK-OUT SEALS FOR ANY CONDUITS REMOVED.
- (C) DEMOLISH EXISTING EXIT SIGN IN CHLORINE EQUIPMENT ROOM. RETAIN EXISTING CABLEING AND CONDUIT FOR REPLACED NEMA 4X RATED EXIT SIGN.
- (D) REMOVE EXISTING TWO GANG LIGHT SWITCH AS DOOR IS BETWEEN REMOVE. ONE SWITCH IS PART PANEL B OCT 16 AND THE OTHER IS PANEL E CIRCUIT 14. MODIFY CABLEING AND CONDUIT ACCORDINGLY TO MAINTAIN EXISTING LIGHT CIRCUITS.
- (E) DEMOLISH EXISTING LIGHTING SWITCH WHERE NEW LIGHT SWITCH IS INSTALLED. CABLEING AND CONDUIT TO MODIFIED/ADDED ACCORDINGLY. REFER TO DRAWINGS

CONSTRUCTION NOTES:



- ① PROVIDE NEW LED LUMINAIRES IN CHLORINE BUILDING WHERE EXISTING LUMINAIRES ARE TO BE REMOVED. NEW LUMINAIRES ARE TO BE STEM HUNG ON THE CEILING AT THE HEIGHT OF THE DEMOLISHED FIXTURES. CONTRACTOR TO REUSE EXISTING CABLING AND CONDUIT AND PROVIDE NEW WIRING/CONDUIT TO NEW LIGHTING FIXTURE LOCATIONS. LUMINAIRES ARE TO BE NEMA 4X RATED.
- ② PROVIDE NEW LIGHT SWITCHES AS INDICATED. SWITCH ENCLOSURES ARE TO BE SUITABLE FOR NEMA 4X LOCATIONS. FOR LIGHT SWITCHES AT NEW LOCATION, PROVIDE ADDITIONAL CABLING/CONDUIT AND EQUIPMENT REQUIRED TO FACILITATE CONNECTION.
- ③ PROVIDE NEW RED LIGHT EXIT SIGN. EXIT SIGN UNIT IS TO BE A NEMA 4X RATED COMBO UNIT AND WITH TWO EMERGENCY LED FIXTURES. PROVIDE CABLING AND CONDUIT. REFER TO EXIT SIGN SCHEDULE.
- ④ REUSE EXISTING RED LIGHT EXIT SIGN AT EXISTING ENTRY/EXIT DOOR.
- ⑤ PROVIDE REMOTE LED FIXTURE FED FROM NEW EXIT SIGN LOCATED AT NEW BUILDING ENTRANCE. DUAL HEAD REMOTE FIXTURE IS TO BE NEMA 4X RATED.
- ⑥ PROVIDE NEW LUMINAIRES AND LIGHT SWITCHES IN TONNE ROOM VESTIBULES. BOTH SWITCH AND LUMINAIRES TO BE NEMA 4X RATED. TAP FROM EXISTING LIGHTING AS SHOWN. ENSURE TAP IS ON THE UPSTREAM SIDE OF THE EXISTING LIGHTING CIRCUIT LIGHT SWITCHES.
- ⑦ RELOCATED EXISTING NEMA RATED LIGHT SWITCH FROM OUTSIDE OF TONNER ROOM TO INSIDE. MODIFY CABLING/ CONDUIT ACCORDINGLY TO FACILITATE INSTALLATION.

GENERAL NOTES:

1. ALL EQUIPMENT SHOWN ON THIS DRAWING IS NEW UNLESS OTHERWISE NOTED AS EXISTING.

1-0650M-E0041	ELECTRICAL SCHEDULES, 120V PANELBOARDS
DRAWING NUMBER	REFERENCE DRAWINGS



							ENGINEER'S SEAL					
					148 Nature Park Way, Winnipeg, Manitoba Canada R3P 0X7 204-786-8080				HURST PUMPING STATION CHLORINE SYSTEM UPGRADES LIGHTING LAYOUT CHLORINE BUILDING			
					DESIGNED BY:	CHECKED BY:						
					B. WILKS	V. ELIMBAN						
					DRAWN BY:	APPROVED BY:						
					J. GRAGASIN	V. ELIMBAN						
					SCALE:	ISSUED FOR CONSTRUCTION						
					1:50	BY: M. SKINNER						
					DATE:	DATE: 2025/04/30						
					2023/05/11							
					CONSULTANT NO.:							
00 ISSUED FOR TENDER AND CONSTRUCTION					2025/04/30	VE	VE					
NO. REVISIONS					DATE	DESIGN	CHECK					