



CHLORINE BUILDING PLAN
SCALE: 1 : 50

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.
- (B) DEMOLISH EXISTING LIGHTING SWITCH WHERE NEW LIGHT SWITCH IS INSTALLED. SOME DEMOLISHED SWITCHES WILL BE REPLACED WITH SWITCH IN NEW LOCATION. CABLING AND CONDUIT TO MODIFIED/ADDED ACCORDINGLY. REFER TO DRAWINGS.

LUMINAIRE SCHEDULE

TYPE	MANUFACTURER	MODEL	QTY	LAMP TYPE	VOLTS (VAC)	LOAD (WATTS)	MOUNTING	NOTE
A	PHILIPS	V3W435L840-UNV-LFA	9	LED	120	23	W, SC	3500 LUMENS
B	PHILIPS	V3W451L840-UNV-LFA	15	LED	120	35	W, SC	5100 LUMENS
MOUNTING LEGEND: CH CHAIN HUNG CS CEILING SURFACE SH STEM HUNG								
				W R/TB AN	WALL RECESSED/T-BAR AS NOTED ON DRAWINGS		SC STEEL CAGE	

EXIT SIGN SCHEDULE

ID	DESCRIPTION	MANUFACTURER	MODEL	LOAD	NOTE
E1	NEMA 4X RATED, SINGLE-FACED	LUMACELL	LNC1W12N60LD9AT	<2.5W (AC) <1.5W (DC)	

LEGEND:

- \$ 2-WAY SWITCH
\$3 3-WAY SWITCH
\$ 3-POLE SWITCH GANG
[Symbol] LIGHT FIXTURE
[E1] EXIT SIGN
[EA] DUAL HEAD REMOTE FIXTURE
C711-Y(X) DENOTES SWITCHED CIRCUIT (IF APPLICABLE)
[Symbol] DENOTES CIRCUIT #
[Symbol] PANELBOARD FEED

GENERAL NOTES:

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

SPECIFIC NOTES:

- (1) PROVIDE NEW LED LUMINAIRES IN CHLORINE BUILDING. WHERE EXISTING LUMINAIRES ARE TO BE REMOVED, NEW LUMINAIRES ARE TO BE HUNG ON THE WALL AT THE HEIGHT OF THE DEMOLISHED FIXTURES. LIGHT FIXTURES IN THE NEW VESTIBULES ARE TO BE WALL MOUNTED. CONTRACTOR TO REUSE EXISTING CABLING AND CONDUIT AND PROVIDE NEW WIRING/CONDUIT TO NEW LIGHTING FIXTURE LOCATIONS. LUMINAIRES ARE TO BE NEMA 4X RATED. PROVIDE NEW STAINLESS STEEL CAGE FOR ALL NEW AND REPLACED LIGHTING FIXTURES.
- (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 EXIT SIGN. EXIT SIGN UNIT IS TO BE A NEMA 4X RATED COMBO UNIT WITH 2 EMERGENCY LED FIXTURES. REFER TO EXIT SIGN SCHEDULE.
- (4) PROVIDE REMOTE LED FIXTURE FED FROM EXIT SIGN INDICATED ON DRAWINGS FOR EMERGENCY LIGHTING. DUAL HEAD REMOTE FIXTURE IS TO BE NEMA 4X RATED.
- (5) CONTRACTOR TO RECONFIGURE EXISTING LIGHTING CIRCUITS TO SEPARATE CONTROL BETWEEN CHLORINATOR EQUIPMENT ROOM AND TONNER ROOMS (SCALE ROOM AND STORAGE ROOM). EXISTING LIGHTING CIRCUITS TO BE RETAINED.
- (6) THERE IS AN EXISTING THREE GANG LIGHT SWITCH. IT IS UNKNOWN WHAT THE THREE SWITCHES FEED. CONTRACTOR TO TRACE CIRCUIT TO DETERMINE LOAD. IF UNUSED, SWITCH TO BE DEMOLISHED. OTHERWISE, REPLACE WITH NEMA 4X SUITABLE SWITCH.
- (7) NEW LUMINAIRES (QTY 2) PROVIDED ON THE WEST SIDE OF THE CHLORINATOR EQUIPMENT ROOM SHALL BE LOCATED ABOVE EXISTING LOCATION TO ACCOMODATE NEW DUCTWORK BEING INSTALLED. ELECTRICAL CONTRACTOR TO COORDINATE WITH MECHANICAL CONTRACTOR. MODIFY CABLING/CONDUIT ACCORDINGLY TO FACILITATE CONNECTION.
- (8) PROVIDE NEW LUMINAIRES AND LIGHT SWITCHES IN NEW/UPGRADED WEST AND SOUTH 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.

DRAWING NUMBER	REFERENCE DRAWINGS



				AtkinsRéalis 148 Nature Park Way, Winnipeg, Manitoba Canada R3P 0X7 204-786-8080	
DESIGNED BY: B. WILKS		CHECKED BY: V. ELIMBAN			
DRAWN BY: B. WILKS		APPROVED BY: V. ELIMBAN			
SCALE: 1:50		ISSUED FOR CONSTRUCTION BY: M. SKINNER			
DATE: 2023/05/23		DATE: 2025/04/30			
CONSULTANT NO.:					
00	ISSUED FOR TENDER AND CONSTRUCTION	2025/04/30	VE	VE	
NO.	REVISIONS	DATE	DESIGN	CHECK	

ENGINEER'S SEAL		THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT	
		MACLEAN PUMPING STATION CHLORINE SYSTEM UPGRADES LIGHTING LAYOUT CHLORINE BUILDING	
CITY DRAWING NUMBER 1-0630M-E0076		SHEET 001	REV. 00
		SIZE A1	