CONSTRUCTION NOTES:

- 1 PANELBOARD PNL-M22U IS AN EXISTING PANEL (WAS PNL-E).
- PROVIDE A 15A 1P BREAKER AND POWER CABLING TO THE NEW ION9000 POWER METER IN THE 4160V MAIN SWITCHGEAR, AND THE NEW PM8000 PROVIDE A 15A 1P BREAKER AND POWER CABLING TO THE NEW ION9000 POWER METERS IN MCC-M710, MCC-M720 AND MCC-M730E.
- PROVIDE A 15A 1P BREAKER AND POWER CABLING TO FEED THE NEW CO DETECTION LEL (METHANE) DETECTION SYSTEM AND REFRIGERANT LEAK DETECTION IN THE MAIN PUMPING STATION.
- PROVIDE A 15A 1P BREAKER AND POWER CABLING TO FEED NEW FIRE
 ALARM PANEL FACP—M922, FIRE ALARM BREAKER TO BE RED AND ALARM PANEL FACP-M922. FIRE ALARM BREAKER TO BE RED AND LOCK-ON.

GENERAL NOTES:

- 1. INSTALLATION MUST COMPLY WITH THE CANADIAN ELECTRICAL CODE, THE NATIONAL BUILDING CODE OF CANADA, AND CITY OF WINNIPEG ELECTRICAL BYLAW.
- 2. PROVIDE ALL NECESSARY MOUNTING ACCESSORIES FOR INSTALLATION OF NEW RUNNING MAN EXIT SIGNS.
- 3. EXIT SIGNS ARE TO BE 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

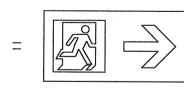
TYPE	MANUFACTURER	MODEL	QTY	LAMP TYPE	VOLTS (VAC)	LOAD (WATTS)	MOUNTING	NOTE
Α	PHILIPS	V3W443L840-UNV-LFA	6	LED	120	29	CS	1
В	PHILIPS	V3W443L840-UNV-LFA	10	LED	120	29	W, AN	1,2
С	PHILIPS	RBX20L840-UNV-ST-A22R	12	LED	120	158	SH	
D	PHILIPS	RBX10L840-UNV-ST-ARR16S	18	LED	120	87	SH	Address of the second of the s
E	PHILIPS	V3W435L840-UNV-LFA	22	LED	120	23	SH	
F	LUMARK	WPL6B	5	LED	120	46	W	
G	PHILIPS	1TG42L840-4-FS-12F-UNV	23	LED	120	44	R/TB	
Н	PHILIPS	V3W435L840-UNV-LFA	13	LED	120	23	cs	
J	PHILIPS	V3W451L840-UNV-LFA	3	LED	120	35	SH	
Χ		EXISTING LIGHTING			Andrew Community (Andrew Community Community Community Community Community Community Community Community Commu			
AITAUON	IG LEGEND: CH CS SH	CHAIN HUNG CEILING SURFACE STEM HUNG	W R/ AN	WALL TB RECES AS NO	SSED/T-BAR OTED ON DR	RAWINGS	-	

ID	MANUFACTURER	MODEL	INPUT			4	INTERNAL LAMPS		REMOTE FIXTURES		EXIT SIGNS		TOTAL		
			VOLTS	VA	SOURCE PANEL	OUTPUT VOLTS	QTY	TYPE	QTY	TOTAL REMOTE LOAD (W)	QTY	TYPE	TOTAL LOAD (W)	DESIGN TIME	NOTE
ELB-M701	READY-LITE	LDX12-1002LD7	120	40	M732E-8	12	2	LED, 4W	5	40	3	LED, 1.5W	53	>1.0 HRS	1,2
ELB-M702	READY-LITE	LDX12-1002LD7	120	40	M731E-10	12	2	LED, 4W	3	24	3	LED, 1.5W	37	>1.5 HRS	1,2
ELB-M703	READY-LITE	LDX12-1002LD7	120	40	M731E-12	12	2	LED, 4W	6	48	5	LED, 1.5W	64	>0.5 HRS	1,2
ELB-G701	READY-LITE	LDX12-1002LD7	120	40	_	12	2	LED, 4W	0	0	1	LED, 1.5W	10	>4.0 HRS	1,2,4
ELB-C701	READY-LITE	LDX12-1002LD7	120	40	C731E-6	12	2	LED, 4W	6	48	5	LED, 1.5W	64	~1.0 HRS	1,2,3

2. REMOTE FIXTURE: READY-LITE PART NO. RL150D-LD7 3. CHLORINE BUILDING EQUIPMENT AND TANK ROOM ARE NEMA-4X. REMOTE FIXTURES WILL BE READY-LITE PART NO. NMMP2-LD7 4. UTILIZE EXISTING LIGHTING CIRCUIT IN GENERATOR ROOM. CONTRACTOR TO DETERMINE EXISTING LIGHTING CIRCUIT.

ID	DESCRIPTION	MANUFACTURER	MODEL	LOAD	NOTE
E1	RA SERIES, EXTRUDED ALUMINUM EXIT SIGN, SINGLE-FACED	READY-LITE	RA1WU	<2.5W (AC) <1.5W (DC)	
E2	RA SERIES, EXTRUDED ALUMINUM EXIT SIGN, DOUBLE-FACED	READY-LITE	RA2WU	<2.5W (AC) <1.5W (DC)	
E3	RN SERIES, NEMA 4X RATED, SINGLE-FACED	READY-LITE	RN1WU	<2.5W (AC) <1.5W (DC)	

LEGEND:

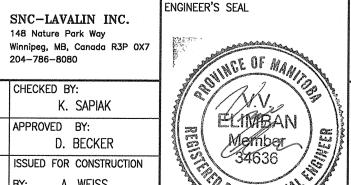


'EX' DENOTES NUMBER #E1-E3 ON EXIT SIGN SCHEDULE

Ger		
11:54am LE\DD —		
SAVE: 2019/10/30 - M:\661472\4ENG\47E	1-0640M-E0050	ELECTRICAL LIGHTING PLAN, PUMPHOUSE MEZZANINE LEVEL
	1-0640M-E0049	ELECTRICAL LIGHTING PLAN, PUMPHOUSE LOWER LEVEL
	1-0640M-E0036	ELECTRICAL SINGLE LINE DIAGRAM, PUMPHOUSE, MCC-M730E
	1-0640M-E0011	SINGLE LINE DIAGRAM & LAYOUT, REMOVALS & INSTALLATIONS
	1-0640M-E0040	ELECTRICAL EQUIPMENT PLAN, MEZZANINE LEVEL
	1-0640C-E0008	ELECTRICAL LIGHTING PLAN, CHLORINE BUILDING GROUND LEVEL AND TUNNE
	1-0640B-E0008	ELECTRICAL EQUIPMENT PLAN, GENERATOR ROOM AND LOAD BANK LDB-G76
LAST PATH:	DRAWING NUMBER	REFERENCE DRAWINGS

SNC • LAVALIN 204-786-8080 DESIGNED BY: v. Elimban DRAWN BY: J. GRAGASIN SCALE: DATE: 2019/03/28 2019/10/18 VE KS CONSULTANT NO.: 00 ISSUED FOR TENDER AND CONSTRUCTION

DATE DESIGN CHECK



2019

148 Nature Park Way

K. SAPIAK

D. BECKER

A. WEISS

DATE: 2019/10/18

CHECKED BY:

APPROVED BY:

Winnipeg

THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT

MCPHILLIPS PUMPING STATION ELECTRICAL AND HVAC UPGRADES, MCC REPLACEMENT PANELBOARD & LUMINAIRE SCHEDULE

CITY DRAWING NUMBER SHEET | REV. | SIZE 1-0640M-E0042

Certificate of Authorization SNC-Lavalin Inc. No. 4489 NO. REVISIONS

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