

MCC-C710 AND MCC-720E LAYOUT
SCALE: 1:8

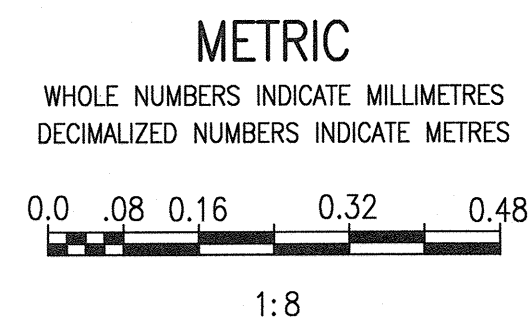
EQUIPMENT ID: MCC-C710		VOLTS: 600V	RATING: 600A	PHASE: 3P	WIRE: 3 W	MAIN BREAKER:	MAIN BREAKER TYPE: ---	MAIN BREAKER SETTINGS: LTPU: 600A INST: - LTD: - GFPU: - STPU: - GFD: - STD: -				
DESCRIPTION: NON-ESSENTIAL MCC		LOCATION: ELECTRICAL ROOM - CHLORINE BUILDING										
UNIT LOC'N	ID	DESCRIPTION	MOTOR LOAD		NON-MOTOR LOAD		STARTER			CIRCUIT PROTECTION		NOTES
			HP	KW	FLA	KW	KVA	NEMA SIZE	TYPE	OVERLOAD	RATING	
1A	MAIN INCOMING LUGS	FROM MCC-M720		5.6								
1C	ESL-C7101	VOLTAGE MONITORING RELAY										
1G	HOIST	MOTORIZED HOIST	7.5								30A	TM, 3P
1I	C1	TANK ROOM CONVECTION HEATER				5		1			15A	TM, 3P
1M	C2	TANK ROOM CONVECTION HEATER				5		1			15A	TM, 3P
1Q	C4	TANK ROOM CONVECTION HEATER				5		1			15A	TM, 3P
1U	C6	EQUIPMENT ROOM CONVECTION HEATER				5		1			15A	TM, 3P
2A	FN4	EXHAUST FAN	0.75		1.25						15A	TM, 3P
2E	XFMR-C711	PNL-C711 TRANSFORMER						30			40A	TM, 3P
2G		FUTURE MAKE-UP AIR										
2I		FUTURE CL2 SCRUBBER										
2K		SPACE										
TOTAL CONNECTED LOAD: -- KVA		TOTAL DEMAND LOAD - SUMMER: --VA		TOTAL DEMAND LOAD - WINTER: -- KVA		LEGEND: FVNR FULL VOLTAGE NON-REVERSING TM THERMAL MAGNETIC MMC MOTOR MANAGEMENT CONTROLLER (TESYS T)			MCP 3P MCS		MOTOR CIRCUIT PROTECTOR 3 POLE MOULDED CASE SWITCH	

MCC-C710 SCHEDULE
SCALE: NTS

EQUIPMENT ID: MCC-C720E		VOLTS: 600V	RATING: 600A	PHASE: 3P	WIRE: 3 W	MAIN BREAKER:	MAIN BREAKER TYPE: ---	MAIN BREAKER SETTINGS: LTPU: 600A INST: - LTD: - GFPU: - STPU: - GFD: - STD: -				
DESCRIPTION: ESSENTIAL MCC		LOCATION: ELECTRICAL ROOM - CHLORINE BUILDING										
UNIT LOC'N	ID	DESCRIPTION	MOTOR LOAD		NON-MOTOR LOAD		STARTER			CIRCUIT PROTECTION		NOTES
			HP	KW	FLA	KW	KVA	NEMA SIZE	TYPE	OVERLOAD	RATING	
3A	MAIN INCOMING LUGS	FROM MCC-M730E										
3C	ESL-C7201	VOLTAGE MONITORING RELAY										
3G	XFMR-C731E	PNL-C731E TRANSFORMER						15			20A	TM, 3P
3I	C3	TANK ROOM CONVECTION HEATER				5		1			15A	TM, 3P
3M	C5	EQUIPMENT ROOM CONVECTION HEATER				5		1			15A	TM, 3P
3R		SPACE										
TOTAL CONNECTED LOAD: -- KVA		TOTAL DEMAND LOAD - SUMMER: --VA		TOTAL DEMAND LOAD - WINTER: -- KVA		LEGEND: FVNR FULL VOLTAGE NON-REVERSING TM THERMAL MAGNETIC MMC MOTOR MANAGEMENT CONTROLLER (TESYS T)			MCP 3P MCS		MOTOR CIRCUIT PROTECTOR 3 POLE MOULDED CASE SWITCH	

MCC-C720E SCHEDULE
SCALE: NTS

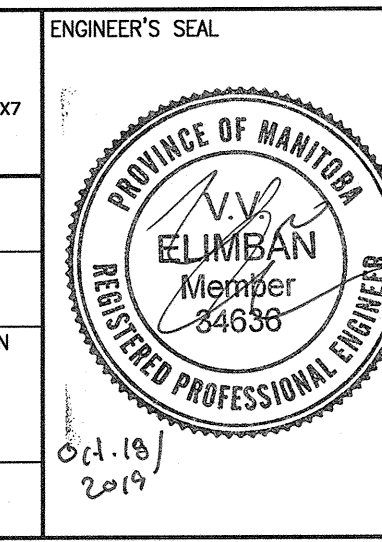
1-0640C-E0012	ELECTRICAL - HAZARDOUS LOCATION, CHLORINE BLDG GROUND LEVEL
1-0640C-E0006	PANELBOARD SCHEDULES
1-0640C-E0003	SINGLE LINE, MCC-C710 & MCC-C720E
1-0640C-A0002	LOOP DIAGRAM, MCC-C710 VOLTAGE PRESENT
1-0640C-A0001	LOOP DIAGRAM, MCC-C720E VOLTAGE PRESENT
DRAWING NUMBER	REFERENCE DRAWINGS



00	ISSUED FOR TENDER AND CONSTRUCTION	2019/10/18	SB	KS
NO.	REVISIONS	DATE	DESIGN	CHECK

SNC-LAVALIN INC.
148 Nature Park Way
Winnipeg, MB, Canada R3P 0X7
204-788-8080

DESIGNED BY: S. BOGHOSIAN
CHECKED BY: K. SAPIAK
DRAWN BY: S. BOGHOSIAN
APPROVED BY: D. BECKER
SCALE: AS SHOWN
ISSUED FOR CONSTRUCTION BY: A. WEISS
DATE: 2019/01/11
DATE: 2019/10/18



THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

MCPHILLIPS PUMPING STATION
ELECTRICAL AND HVAC UPGRADES, MCC REPLACEMENT
ELECTRICAL PANEL LAYOUT
CHLORINE BUILDING
MCC-C710/MCC-C720E LAYOUT AND SCHEDULE

CITY DRAWING NUMBER: 1-0640C-E0004
SHEET: 001
REV: 00
SIZE: A1