

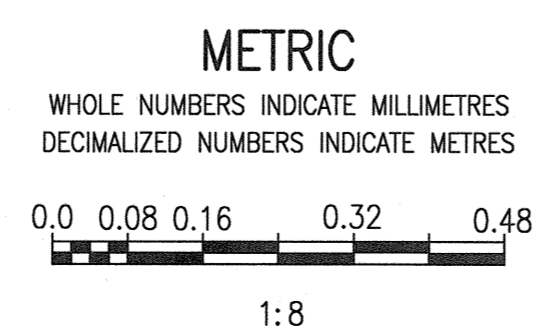
MCC-M720 LAYOUT
SCALE: 1 : 8

EQUIPMENT ID:		VOLTAGE:	RATING:	PHASE:	WIRE:	MAIN BREAKER:	MAIN BREAKER SETTINGS					
MCC-M720		600V	600A	3 P	3 W	600A	LTPU:	INST:				
DESCRIPTION:		LOCATION:					STPU:		GFD:			
NON-ESSENTIAL MCC		MAIN BUILDING ELECTRICAL ROOM					STD:					
UNIT LOC'N	ID	DESCRIPTION	LOAD				STARTER			CIRCUIT PROTECTION		NOTES
			MOTOR		NON-MOTOR		NEMA SIZE	TYPE	OIL	RATING	TYPE	
			HP	KW	FLA	KW	KVA					
1A	PANEL B	AQUEDUCT VALVE CHAMBER FEEDER									60A	TM, 3P
1C	XFMR-M721	PANELBOARD TRANSFORMER				45					60A	TM, 3P
1E	MCC-C710	CHLORINE BUILDING MCC FEEDER									100A	TM, 3P
1G	CH5	EAST ENTRANCE CONVECTION HEATER				6					15A	TM, 3P
1I	UH1	UNIT HEATER				30		2	FVNR	OIL	40A	TM, 3P
1M	RCPT-M720-1	WELDING RECEPTACLE					20				60A	TM, 3P
1O	HCE-M601	DUCT HEATER				150					200A	TM, 3P
1U	SHV-2	SUCTION HEADER VALVE	3.9	2.91	4.7						15A	TM, 3P
1W	SHV-3	SUCTION HEADER VALVE	3.9	2.91	4.7						15A	TM, 3P
2A	MCC-M720.PS	POWER SUPPLY EITHERNET										TM, 3P
2E	MCC-M720.NSW	ETHERNET SWITCH										TM, 3P
2I	DHV-2	DISCHARGE HEADER VALVE	2	1.49	2.6						15A	TM, 3P
2K	DHV-3	DISCHARGE HEADER VALVE	2	1.49	2.6						15A	TM, 3P
2M	SPACE											
2Q	ATS-M2E	MCC-M730E MAIN FEEDER VIA ATS-M2E									250A	LSI, 3P
2W	XV-M1702	BYPASS VALVE									15A	TM, 3P
3A	MCC-M720.TVSS	TVSS FEEDER BREAKER									60A	TM, 3P
3C	MCC-M720.TVSS	TRANSIENT VOLTAGE SURGE PROTECTION DEVICE										
3E	ESL-M7201	VOLTAGE MONITORING RELAY										
3I	MCC-M720.PM	POWER METER										
3M	MCC-M720.MCB	MCC MAIN BREAKER									600A	LSI, 3P
4A	CB-M720-T	TIE BREAKER									600A	TM, 3P
TOTAL CONNECTED LOAD:		DEMAND LOAD - SUMMER:	DEMAND LOAD - WINTER:		LEGEND:							
440 KVA		108 KVA	280 KVA		FVNR		FULL VOLTAGE NON-REVERSING		MCP		MOTOR CIRCUIT PROTECTOR	
					TM		THERMAL MAGNETIC		3P		3 POLE	
					MMC		MOTOR MANAGEMENT CONTROLLER (TESYS T)		MCS		MOLDED CASE SWITCH	

MCC-M720 SCHEDULE
SCALE: NTS

LAST SAVE: 2019/10/30 - 11:53am
PATH: M:\661472\ENGR\47ELE\DD - General DWG\01 - McPhillips\1-0640M-E0035-001-00.dwg

1-0640M-A0078	LOOP DIAGRAM, MCC-M720 VOLTAGE PRESENT
1-0640M-E0034	SINGLE LINE DIAGRAM, MCC-M720
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:
DRAWN BY: S. BOGHOSIAN
APPROVED BY:
SCALE: AS SHOWN
ISSUED FOR CONSTRUCTION BY: A. WEISS
DATE: 2019/01/02
DATE: 2019/10/18

CONSULTANT NO.:



THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

MCPHILLIPS PUMPING STATION
ELECTRICAL AND HVAC UPGRADES, MCC REPLACEMENT
ELECTRICAL PANEL LAYOUT
PUMPHOUSE
MCC-M720 LAYOUT AND SCHEDULE

CITY DRAWING NUMBER: 1-0640M-E0035
SHEET: 001
REV: 00
SIZE: A1