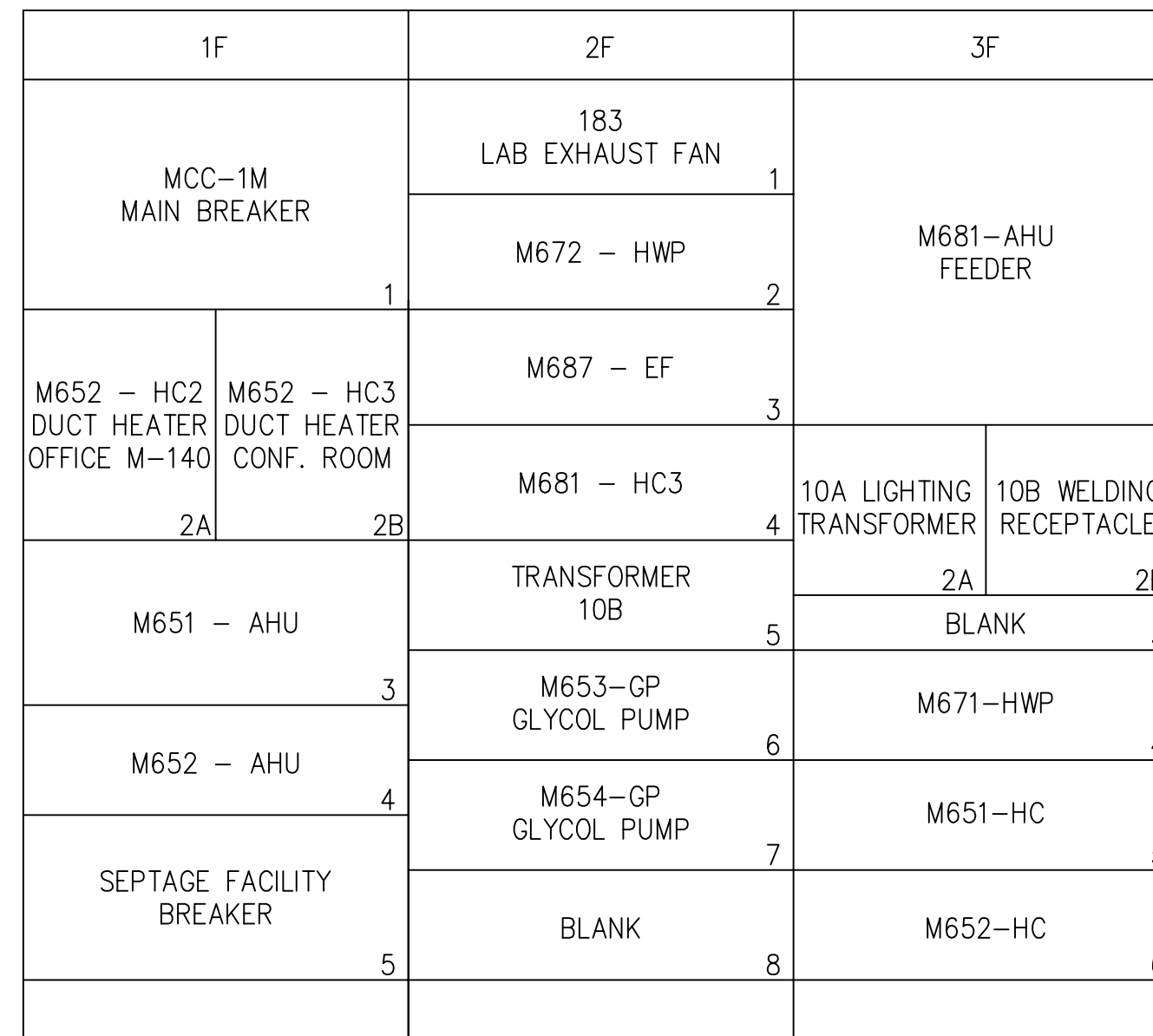


600 VOLT MOTOR CONTROL CENTER - 1M

CONN. kW: 325
DEM. kW: 186

MCC NUMBER	NEW EQUIPMENT NUMBER	MOTOR					STARTER		FEEDER			CIRCUIT PROTECTION		REMARKS
		DESCRIPTION	LOCATION	HP	KW	FULL LOAD AMPS	EEMAC SIZE	TYPE	CAPY IN AMPS	SIZE	TYPE	CONT. RATING	FRAME SIZE	
1F-1	-	MCC 1M MAIN BREAKER	-	-	-	-	-	-	325	350MCM	RW90	300A-3P	KD	MAIN FEED FROM MCC-1G
1F-3	M651-AHU	CONTORL AND COMPUTER RM. AIR HANDLING UNIT	-	3.0	2.2	3.9	1	CMFVNR	20	12 AWG	RW90	7A	HMCP	
1F-4	M652-AHU	MEETINGRM./BASEMENT AIR HANDLING UNIT	-	3.0	2.2	3.9	1	CMFVNR	20	12 AWG	RW90	7A	HMCP	
2F-6	M653-GP	GLYCOL PUMP	RM M148	0.75	0.56	1.1	1	CMFVNR	20	12 AWG	RW90	3A	HMCP	
2F-7	M654-GP	GLYCOL PUMP	RM M148	0.75	0.56	1.1	1	CMFVNR	20	12 AWG	RW90	3A	HMCP	
2F-1	183	LAB EXHAUST FAN	RM M123	0.5	0.37	0.8	1	CMFVNR	20	12 AWG	RW90	3A	HMCP	
2F-2	M672-HWP	HOT WATER CIRCULATION PUMP	RM M148	0.75	0.56	1.1	1	CMFVNR	20	12 AWG	RW90	3A	HMCP	
3F-4	M671-HWP	HOT WATER CIRCULATION PUMP	RM M148	0.75	0.56	1.1	1	CMFVNR	20	12 AWG	RW90	3A	HMCP	
1F-5	MCP-2	LIQUID WASTE DISPOSAL FACILITY 'MCP-2'	MAIN ENTRANCE	-	-	-	-	-	100	12 AWG	RWU90	100A	HFD	U/G POWER FEED TO LIQUID WASTE DISPOSAL FACILITY PANEL MCP-2
3F-5	M651-HC	ELECTRIC HEATING COIL	RM M148	-	12.5	12	-	CONTACTOR	20	12 AWG	RW90	20A	HFD	
3F-6	M652-HC	ELECTRIC HEATING COIL	RM M148	-	12.5	12	-	CONTACTOR	20	12 AWG	RW90	20A	HFD	
1F-2A	M652-HC2	DUCT HEATER - OFFICE			3.0			CONTACTOR & SCR	20	12 AWG		15A	HFD	
1F-2B	M652-HC3	DUCT HEATER - CONFERENCE ROOM			6.0			CONTACTOR & SCR	20	12 AWG		15A	HFD	
2F-3	M687-EF	EXHAUST FAN			0.56		1	CONTACTOR	20	12 AWG		3A		
2F-4	M681-HC3	HEATING COIL			25			CONTACTOR & SCR	45	8 AWG		40A		
2F-5	-	TRANSFORMER 10B			45 kVA				65	6 AWG		50A		
3F-1	M681-AHU	AIR HANDLING UNIT		20	15		2	CONTACTOR	30	10 AWG		40A		
3F-2A	-	LIGHTING TRANSFORMER 10A			75 kVA				105	3 AWG		100A		
3F-2B	-	10B WELDING RECEPTACLE							70	6 AWG		70A		



FRONT ELEVATION

MCC 1M

NOTES:

- SUPERSEDES PART OF DWG. SEP-539

DRAWING NUMBER	REFERENCE DRAWINGS
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NO.	REVISIONS	DATE	DESIGN	CHECK
00	ISSUED FOR TENDER, BID OPP: 837-2009	2009/12/07	-	NB

SNC-LAVALIN INC.
148 Nature Park Way
Winnipeg, MB, Canada R3P 0X7
204-786-8000

DESIGNED BY: EXISTING
DRAWN BY: S. JUGANAS
SCALE: NTS
DATE: 2009/12/07

CHECKED BY: N. BRADDOO
APPROVED BY: C. REIMER
RELEASED FOR CONSTRUCTION BY: J. VEILLEUX
DATE: 2009/12/02

CONSULTANT NO.: 112577-0105-47DD-0102

ENGINEER'S SEAL

FOR REFERENCE ONLY

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

SOUTH END WATER POLLUTION CONTROL CENTRE
ELECTRICAL INSPECTION & UPGRADES
MCC ELEVATION & SCHEDULE
MCC-1M

CITY DRAWING NUMBER: 1-0102M-E0008

SHEET	REV.	SIZE
001	00	A1