PANELBOARD: M2C

LOCATION: MECH. MEZZ. 1M:02
MOUNTING: SURFACE NEMA1
MAIN DEVICE: 225 A MLO
BUS AMPS: 225 AMPS

VOLTAGE: 120/208 V. 3 ø 4 W.
A.I.C. RATING: 10,000 AMPS SYMMETRICAL
SPECIAL:

LOAD DESCRIPTION	BKR	P	CKT	A		B		C		CKT	P	BKR	LOAD DESCRIPTION
AG-1 DUST COLLECTOR...	15 A	1	M2C-1	0.1	0.4					M2C-2	1	15 A	CAV-19 CONSTANT AIR...
CAV-21 CONSTANT AIR...	15 A	1	M2C-3			0.1	0.5			M2C-4	1	15 A	VAV-157 VARIABLE AIR...
CAV-16 CONSTANT AIR...	15 A	1	M2C-5					0.4	0.5	M2C-6	1	15 A	VAV-160 VARIABLE AIR...
EF-15 EXHAUST FAN	15 A	1	M2C-7	0.5	0.7					M2C-8	1	15 A	EF-14 EXHAUST FAN
F-2 FAN MECH. MEZZ....	15 A	1	M2C-9			0.5	1.0			M2C-10	1	15 A	CF-19 CEILING FAN...
EF-12 EXHAUST FAN	15 A	1	M2C-11					0.7	1.0	M2C-12	1	15 A	CF-23 CEILING FAN...
DRY-1 AIR DRYER MECH....	15 A	1	M2C-13	1.2	0.2					M2C-14	1	15 A	GFS-2 GLYCOL FILL...
P-22 PUMP	20 A	1	M2C-15			1.2	1.2			M2C-16	1	20 A	P-23 PUMP
KE-15 WALK-IN COOLER...	15 A	1	M2C-17					1.4	1.7	M2C-18	1	30 A	EF-21 EXHAUST FAN
RF-1 RETURN FAN MECH. MEZZ. 1M:02	30 A	2	M2C-19	1.4	1.4					M2C-20	2	30 A	RF-2 RETURN FAN
			M2C-21			1.4	1.4			M2C-22			
KE-66 WALK-IN COOLER EVAPORATOR COIL...	20 A	2	M2C-23					1.5	0.2	M2C-24	1	15 A	SPC SUMP PUMP...
			M2C-25	1.5	0.5					M2C-26	1	15 A	UH-2 UNIT HEATER PRIN...
GFS-3 GLYCOL FILL...	15 A	1	M2C-27			0.2	0.5			M2C-28	1	15 A	UH-5 UNIT HEATER...
UH-6 UNIT HEATER...	15 A	1	M2C-29					0.5	0.5	M2C-30	1	15 A	UH-14 UNIT HEATER...
RH-9 RANGE HOOD FOO...	15 A	1	M2C-31	0.5	0.8					M2C-32	1	15 A	FC-101 FAN COIL DESIGN...
UH-13 UNIT HEATER...	15 A	1	M2C-33			0.5	0.8			M2C-34	1	15 A	FC-103 FAN COIL OFFICE...
FC-104 FAN COIL LAUND...	15 A	1	M2C-35					0.8	1.1	M2C-36	1	15 A	RH-7 RANGE HOOD FOO...
RH-3 RANGE HOOD FOO...	15 A	1	M2C-37	1.1	1.4					M2C-38	1	20 A	KE-65 WALK-IN COOLER...
RH-5 RANGE HOOD FOO...	15 A	1	M2C-39			1.1	1.4			M2C-40	1	15 A	KE-11 WALK-IN FREEZER...
KE-71 WALK-IN FREEZER...	15 A	1	M2C-41					1.4	0.2	M2C-42	2	15 A	P-34 PUMP MECH. MEZZ. 1M:02
P-18 PUMP MECH. MEZZ. 1M:02	15 A	2	M2C-43	0.2	0.2					M2C-44			
			M2C-45			0.2	0.2			M2C-46	2	15 A	P-33 PUMP MECH. MEZZ. 1M:02
P-15 PUMP MECH. MEZZ. 1M:02	15 A	2	M2C-47					0.2	0.2	M2C-48			
			M2C-49	0.2	0.2					M2C-50	2	15 A	P-16 PUMP MECH. MEZZ. 1M:02
P-17 PUMP MECH. MEZZ. 1M:02	15 A	2	M2C-51			0.2	0.2			M2C-52			
			M2C-53					0.2	1.5	M2C-54	2	20 A	KE-16 WALK-IN COOLER EVAPORATOR COIL...
KE-12 WALK-IN FREEZER EVAPORATOR COIL...	20 A	2	M2C-55	1.5	1.5					M2C-56			
			M2C-57			1.5	1.5			M2C-58	2	20 A	KE-72 WALK-IN FREEZER EVAPORATOR COIL...
KE-17 WALK-IN COOLER CONDENSING UNIT	40 A	3	M2C-59					3.6	1.5	M2C-60			
			M2C-61	3.6	3.6					M2C-62			
			M2C-63			3.6	3.6			M2C-64	3	40 A	KE-67 WALK-IN COOLER CONDENSING UNIT
KE-13 WALK-IN FREEZER CONDENSING UNIT	40 A	3	M2C-65					3.6	3.6	M2C-66			
			M2C-67	3.6	3.6					M2C-68			
			M2C-69			3.6	3.6			M2C-70	3	40 A	KE-73 WALK-IN FREEZER CONDENSING UNIT
EF-1A EXHAUST FAN	15 A	2	M2C-71					0.9	3.6	M2C-72			
			M2C-73	0.9	0.9					M2C-74	2	15 A	EF-1B EXHAUST FAN
			M2C-75				0.9			M2C-76			
			M2C-77							M2C-78			
SPARE	15 A	1	M2C-79	0.0						M2C-80			
SPARE	15 A	1	M2C-81			0.0	0.0			M2C-82	1	20 A	SPARE
SPARE	15 A	1	M2C-83					0.0	0.0	M2C-84	1	20 A	SPARE
			TOTAL LOAD:	32 kVA		31 kVA		31 kVA					
			TOTAL AMPS:	266 A		259 A		258 A					

LOAD CLASSIFICATION	CONNECTED	DEMAND	ESTIMATED	PANEL TOTALS	
MTR	31179 VA	75.00%	23384 VA		
KTCH	60639 VA	65.00%	39415 VA	**CONNECTED LOAD:**	93858 VA
CONTROLS	2040 VA	50.00%	1020 VA	**ESTIMATED DEMAND:**	63820 VA
				CONNECTED CURRENT:	261 A
				EST. DEMAND CURRENT:	177 A

NOTES:

PANELBOARD: M2D

LOCATION: MECH. MEZZ. 1M:02
MOUNTING: SURFACE NEMA1
MAIN DEVICE: 225 A MLO
BUS AMPS: 225 AMPS

VOLTAGE: 120/208 V. 3 ø 4 W.
A.I.C. RATING: 10,000 AMPS SYMMETRICAL
SPECIAL:

LOAD DESCRIPTION	BKR	P	CKT	A		B		C		CKT	P	BKR	LOAD DESCRIPTION
FSD FIRE SMOKE DAMPE...	15 A	1	M2D-1	0.6	0.6					M2D-2	1	15 A	DC-SPARK DUST...
FSD FIRE SMOKE DAMPER	15 A	1	M2D-3			0.5	0.7			M2D-4	1	15 A	FSD FIRE SMOKE DAMPE...
FSD FIRE SMOKE DAMPE...	15 A	1	M2D-5					0.1	0.6	M2D-6	1	15 A	NRV-1 NON RETURN...
EF-2A EXHAUST FAN	25 A	2	M2D-7	1.4	1.4					M2D-8	2	25 A	EF-6 EXHAUST FAN
			M2D-9			1.4	1.4			M2D-10			
EF-5 EXHAUST FAN	15 A	2	M2D-11					0.9	0.9	M2D-12	2	15 A	EF-7 EXHAUST FAN
			M2D-13	0.9	0.9					M2D-14			
EF-3A EXHAUST FAN	25 A	2	M2D-15			1.4	2.9			M2D-16	1	45 A	EF-3B EXHAUST FAN
			M2D-17					1.4	1.4	M2D-18	2	25 A	EF-2B EXHAUST FAN
EF-8 EXHAUST FAN	35 A	2	M2D-19	1.9	1.4					M2D-20			
			M2D-21			1.9	0.3			M2D-22	2	15 A	EF-23 EXHAUST FAN
			M2D-23						0.3	M2D-24			
			M2D-25							M2D-26			
			M2D-27							M2D-28			
			M2D-29							M2D-30			
			M2D-31							M2D-32			
			M2D-33							M2D-34			
			M2D-35							M2D-36			
			M2D-37							M2D-38			
			M2D-39							M2D-40			
			M2D-41							M2D-42			
			M2D-43							M2D-44			
			M2D-45							M2D-46			
			M2D-47							M2D-48			
			M2D-49							M2D-50			
			M2D-51							M2D-52			
			M2D-53							M2D-54			
			M2D-55							M2D-56			
			M2D-57							M2D-58			
			M2D-59							M2D-60			
			M2D-61							M2D-62			
			M2D-63							M2D-64			
			M2D-65							M2D-66			
			M2D-67							M2D-68			
			M2D-69							M2D-70			
			M2D-71							M2D-72			
			M2D-73							M2D-74			
			M2D-75							M2D-76			
			M2D-77							M2D-78			
			M2D-79							M2D-80			
			M2D-81							M2D-82			
			M2D-83							M2D-84			
			TOTAL LOAD:	9 kVA		10 kVA		6 kVA					
			TOTAL AMPS:	80 A		92 A		47 A					

LOAD CLASSIFICATION	CONNECTED	DEMAND	ESTIMATED	PANEL TOTALS	
RCPT	600 VA	50.00%	300 VA		
MTR	22078 VA	75.00%	16559 VA	**CONNECTED LOAD:**	25198 VA
SPEC	2520 VA	100.00%	2520 VA	**ESTIMATED DEMAND:**	19379 VA
				CONNECTED CURRENT:	70 A
				EST. DEMAND CURRENT:	54 A

NOTES:

ENGINEERS GEOSCIENTISTS MANITOBA
Certificate of Authorization
Epp Siepman Engineering Inc.
No. 4035

This is a print of a document that has been electronically authenticated with technology authorized by the Engineers Geoscientists Manitoba. The original is in electronic form.

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No.	REVISION/DESCRIPTION	BY	DATE
0	ISSUED FOR TENDER	JS/MP	24-04-01

SEAL

PROVINCE OF MANITOBA
M. G. PENNER
Member
23792
2024-04-01
REGISTERED PROFESSIONAL ENGINEER

EW DRAWN	MP/KG CHECKED	KG DESIGNED	MP/KG APPROVED
DATE 2024-04-01	USER APPROVAL		

Winnipeg
THE CITY OF WINNIPEG
ASSETS & PROJECT MANAGEMENT DEPARTMENT
MUNICIPAL ACCOMMODATIONS DIVISION
3-65 GARRY STREET, R3C 4K4

PROJECT
PEMBINA TRAILS COLLEGIATE
VOCATIONAL WING
TENDER NO. 954-2023B
50 FRONTIER TRAIL, WINNIPEG, MANITOBA, R3Y 2H1

SHEET TITLE
Electrical Panel Schedules - Part 2

SCALE	PROJECT No:	SHEET No:
	2020-127	E6.11

DRAWING SHEET SIZE: A1 (594x841) PLOT 1:1
ESE 24049