PANELBOARD: MWA

LOCATION: STORAGE ROOM 1:103C
MOUNTING: SURFACE NEMA1
MAIN DEVICE: 400 A MLO
BUS AMPS: 400 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
POSITIONER	20 A	1	MWA-1	0.2	2.6					MWA-2	2	50 A	TIG UTILITY CART
POSITIONER	20 A	1	MWA-3			0.2	2.6			MWA-4			
TIG UTILITY CART	50 A	2	MWA-5					2.6	0.2	MWA-6	1	20 A	POSITIONER
			MWA-7	2.6	2.6					MWA-8	2	50 A	TIG UTILITY CART
POSITIONER	20 A	1	MWA-9			0.2	2.6			MWA-10			
TIG UTILITY CART	50 A	2	MWA-11					2.6	0.2	MWA-12	1	20 A	POSITIONER
			MWA-13	2.6	2.6					MWA-14	2	50 A	TIG UTILITY CART
POSITIONER	20 A	1	MWA-15			0.2	2.6			MWA-16			
TIG UTILITY CART	50 A	2	MWA-17					2.6	0.2	MWA-18	1	20 A	POSITIONER
			MWA-19	2.6	2.6					MWA-20	2	50 A	TIG UTILITY CART
POSITIONER	20 A	1	MWA-21			0.2	2.6			MWA-22			
TIG UTILITY CART	50 A	2	MWA-23					2.6		MWA-24			
			MWA-25	2.6						MWA-26			
			MWA-27				1.0			MWA-28	2	20 A	MILLING MACHINE
MILLING MACHINE	20 A	2	MWA-29					1.0	1.0	MWA-30			
			MWA-31	1.0	1.0					MWA-32	2	20 A	MILLING MACHINE
MILLING MACHINE	20 A	2	MWA-33			1.0	1.0			MWA-34			
			MWA-35					1.0	3.0	MWA-36	3	60 A	LATHE
LATHE	60 A	3	MWA-37	3.0	3.0					MWA-38			
			MWA-39			3.0	3.0			MWA-40			
			MWA-41					3.0	3.0	MWA-42	3	60 A	LATHE
LATHE	60 A	3	MWA-43	3.0	3.0					MWA-44			
			MWA-45			3.0	3.0			MWA-46			
			MWA-47					3.0	1.6	MWA-48	3	20 A	HYDRAULIC SLIP ROLLER
BENCH GRINDER	20 A	1	MWA-49	1.0	1.6					MWA-50			
HYDRAULIC PRESS	30 A	2	MWA-51			1.5	1.6			MWA-52			
			MWA-53					1.5	0.2	MWA-54	1	20 A	CORD REEL
CORD REEL	20 A	1	MWA-55	0.2	1.0					MWA-56	1	20 A	BENCH GRINDER
			MWA-57							MWA-58			
			MWA-59							MWA-60			
			MWA-61							MWA-62			
			MWA-63							MWA-64			
			MWA-65							MWA-66			
			MWA-67							MWA-68			
			MWA-69							MWA-70			
			MWA-71							MWA-72			
			MWA-73							MWA-74			
			MWA-75							MWA-76			
			MWA-77							MWA-78			
SPARE	15 A	1	MWA-79	0.0						MWA-80			
SPARE	15 A	1	MWA-81			0.0	0.0			MWA-82	1	20 A	SPARE
SPARE	15 A	1	MWA-83					0.0	0.0	MWA-84	1	20 A	SPARE
			TOTAL LOAD:	39 kVA		30 kVA		29 kVA					
			TOTAL AMPS:	323 A		246 A		245 A					

LOAD CLASSIFICATION	CONNECTED	DEMAND	ESTIMATED	PANEL TOTALS	
RCPT	360 VA	50.00%	180 VA		
MACH WELD	97381 VA	65.00%	63298 VA	**CONNECTED LOAD:**	97741 VA
				ESTIMATED DEMAND:	63478 VA
				CONNECTED CURRENT:	271 A
				EST. DEMAND CURRENT:	176 A

NOTES:

PANELBOARD: MWB

LOCATION: STORAGE ROOM 1:103C
MOUNTING: SURFACE NEMA1
MAIN DEVICE: 400 A MLO
BUS AMPS: 400 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
BELT GRINDER	20 A	1	MWB-1	1.8	1.8					MWB-2	1	20 A	BELT GRINDER
MILLING MACHINE	20 A	2	MWB-3			1.0	1.8			MWB-4	1	20 A	DRILL LATHE
			MWB-5					1.0	1.8	MWB-6	1	20 A	CNC PLASMA CUTTING...
LATHE	60 A	3	MWB-7	3.0	3.0					MWB-8	3	50 A	IRON WORKER
			MWB-9			3.0	3.0			MWB-10			
			MWB-11					3.0	3.0	MWB-12			
SHEAR	40 A	3	MWB-13	2.0	1.8					MWB-14	1	20 A	DRILL PRESS
			MWB-15			2.0	1.8			MWB-16	1	20 A	DRILL PRESS
			MWB-17					2.0	1.8	MWB-18	1	20 A	BUFFING WHEEL
BUFFING WHEEL	20 A	1	MWB-19	1.8						MWB-20			
CNC MINI MACHINING MILL	60 A	3	MWB-21			3.0	0.5			MWB-22	3	15 A	SURFACE GRINDER
			MWB-23					3.0	0.5	MWB-24			
			MWB-25	3.0	0.5					MWB-26			
CNC TOOL ROOM LATHE	60 A	3	MWB-27			3.0	1.1			MWB-28	3	20 A	DOWN DRAFT TABLE
			MWB-29					3.0	1.1	MWB-30			
			MWB-31	3.0	1.1					MWB-32			
CORD REEL	20 A	1	MWB-33			0.2	3.0			MWB-34	3	60 A	CNC TOOL ROOM LATHE
CORD REEL	20 A	1	MWB-35					0.2	3.0	MWB-36			
CORD REEL	20 A	1	MWB-37	0.2	3.0					MWB-38			
			MWB-39				0.2			MWB-40	1	20 A	CORD REEL
CORD REEL	20 A	1	MWB-41					0.2	0.2	MWB-42	1	20 A	CORD REEL
			MWB-43		1.8					MWB-44	1	20 A	DRILL PRESS
DRILL LATHE	20 A	1	MWB-45			1.8	5.4			MWB-46	3	60 A	HEAT TREATMENT OVEN
			MWB-47						5.4	MWB-48			
			MWB-49		5.4					MWB-50			
			MWB-51							MWB-52			
			MWB-53							MWB-54			
			MWB-55							MWB-56			
			MWB-57							MWB-58			
			MWB-59							MWB-60			
			MWB-61							MWB-62			
			MWB-63							MWB-64			
			MWB-65							MWB-66			
			MWB-67							MWB-68			
			MWB-69							MWB-70			
			MWB-71							MWB-72			
			MWB-73							MWB-74			
			MWB-75							MWB-76			
			MWB-77							MWB-78			
SPARE	15 A	1	MWB-79	0.0						MWB-80			
SPARE	15 A	1	MWB-81			0.0	0.0			MWB-82	1	20 A	SPARE
SPARE	15 A	1	MWB-83					0.0	0.0	MWB-84	1	20 A	SPARE
			TOTAL LOAD:	33 kVA		31 kVA		29 kVA					
			TOTAL AMPS:	279 A		259 A		243 A					

LOAD CLASSIFICATION	CONNECTED	DEMAND	ESTIMATED	PANEL TOTALS	
RCPT	1080 VA	50.00%	540 VA		
MACH WELD	92131 VA	65.00%	59885 VA	**CONNECTED LOAD:**	93211 VA
				ESTIMATED DEMAND:	60425 VA
				CONNECTED CURRENT:	259 A
				EST. DEMAND CURRENT:	168 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.

epp siepman engineering
400 - 136 Market Avenue
Winnipeg, MB R3B 0P4
T 204 453 1080

LM esp
LM Architectural Group | Environmental Space Planning
500-136 Market Avenue Winnipeg, Manitoba Canada R3B 0P4
t: 204.942.0681 lm-esp.ca

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 4

SCALE	PROJECT No:	SHEET No:
	2020-127	E6.13

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