MACHINE AND WELDING TECHNOLOGY EQUIPMENT CONNECTION SCHEDULE

NO.	DESCRIPTION	ROOM	LOAD HP	LOAD A	LOAD W	VOLT	PH	CIRCUIT	CIRCUIT BREAKER	CONDUIT & WIRE SIZE	STARTER COMPONENT	STARTER FURN. INST. WIRED	CONTROL DEVICE COMPONENT	CONTROL DEVICE FURN. INST. WIRED	DISCONNECT COMPONENT	DISCONNECT FURN. INST. WIRED	NOTES
M-01	SPOT WELDER	1:103		45 A		600 V	1	MW00-31,33	80A/2P	1 SET 27(1")C 3-#4R90 #8 BOND	---	---	---	---	NFS	DIV 26 DIV 26 DIV 26	
M-02A1	WELDING TABLE	1:103		16 A		600 V	3	MW00-1,3,5	20A/3P	1 SET 21(3/4")C 4-#12R90 #12 BOND	---	---	---	---	NFS L23-20R RCPT	DIV 26 DIV 26 DIV 26	
M-02A2	POSITIONER			2 A		120 V	1	MWA-3	20A/1P	1 SET 21(3/4")C 2-#12R90 #12 BOND	---	---	---	---	5-20R RCPT	DIV 26 DIV 26 DIV 26	
M-02A3	TIG UTILITY CART	1:103		25 A		208 V	1	MWA-5,7	50A/2P	1 SET 21(3/4")C 2-#8R90 #10 BOND	---	---	---	---	NFS 6-50R RCPT	DIV 26 DIV 26 DIV 26	
M-02B1	WELDING TABLE	1:103		16 A		600 V	3	MW00-2,4,6	20A/3P	1 SET 21(3/4")C 4-#12R90 #12 BOND	---	---	---	---	NFS L23-20R RCPT	DIV 26 DIV 26 DIV 26	
M-02B2	POSITIONER			2 A		120 V	1	MWA-6	20A/1P	1 SET 21(3/4")C 2-#12R90 #12 BOND	---	---	---	---	5-20R RCPT	DIV 26 DIV 26 DIV 26	
M-02B3	TIG UTILITY CART	1:103		25 A		208 V	1	MWA-8,10	50A/2P	1 SET 21(3/4")C 2-#8R90 #10 BOND	---	---	---	---	6-50R RCPT	DIV 26 DIV 26 DIV 26	
M-02C1	WELDING TABLE	1:103		16 A		600 V	3	MW00-7,9,11	20A/3P	1 SET 21(3/4")C 4-#12R90 #12 BOND	---	---	---	---	NFS L23-20R RCPT	DIV 26 DIV 26 DIV 26	
M-02C2	POSITIONER			2 A		120 V	1	MWA-9	20A/1P	1 SET 21(3/4")C 2-#12R90 #12 BOND	---	---	---	---	5-20R RCPT	DIV 26 DIV 26 DIV 26	
M-02C3	TIG UTILITY CART	1:103		25 A		208 V	1	MWA-11,13	50A/2P	1 SET 21(3/4")C 2-#8R90 #10 BOND	---	---	---	---	6-50R RCPT	DIV 26 DIV 26 DIV 26	
M-02D1	WELDING TABLE			16 A		600 V	3	MW00-8,10,12	20A/3P	1 SET 21(3/4")C 4-#12R90 #12 BOND	---	---	---	---	NFS L23-20R RCPT	DIV 26 DIV 26 DIV 26	
M-02D2	POSITIONER			2 A		120 V	1	MWA-1	20A/1P	1 SET 21(3/4")C 2-#12R90 #12 BOND	---	---	---	---	5-20R RCPT	DIV 26 DIV 26 DIV 26	
M-02D3	TIG UTILITY CART	1:103		25 A		208 V	1	MWA-2,4	50A/2P	1 SET 21(3/4")C 2-#8R90 #10 BOND	---	---	---	---	6-50R RCPT	DIV 26 DIV 26 DIV 26	
M-02E1	WELDING TABLE	1:103		16 A		600 V	3	MW00-13,15,17	20A/3P	1 SET 21(3/4")C 4-#12R90 #12 BOND	---	---	---	---	NFS L23-20R RCPT	DIV 26 DIV 26 DIV 26	
M-02E2	POSITIONER			2 A		120 V	1	MWA-12	20A/1P	1 SET 21(3/4")C 2-#12R90 #12 BOND	---	---	---	---	5-20R RCPT	DIV 26 DIV 26 DIV 26	
M-02E3	TIG UTILITY CART	1:103		25 A		208 V	1	MWA-14,16	50A/2P	1 SET 21(3/4")C 2-#8R90 #10 BOND	---	---	---	---	6-50R RCPT	DIV 26 DIV 26 DIV 26	
M-02F1	WELDING TABLE	1:103		16 A		600 V	3	MW00-14,16,18	20A/3P	1 SET 21(3/4")C 4-#12R90 #12 BOND	---	---	---	---	NFS L23-20R RCPT	DIV 26 DIV 26 DIV 26	
M-02F2	POSITIONER			2 A		120 V	1	MWA-15	20A/1P	1 SET 21(3/4")C 2-#12R90 #12 BOND	---	---	---	---	5-20R RCPT	DIV 26 DIV 26 DIV 26	
M-02F3	TIG UTILITY CART	1:103		25 A		208 V	1	MWA-17,19	50A/2P	1 SET 21(3/4")C 2-#8R90 #10 BOND	---	---	---	---	6-50R RCPT	DIV 26 DIV 26 DIV 26	
M-02G1	WELDING TABLE	1:103		16 A		600 V	3	MW00-19,21,23	20A/3P	1 SET 21(3/4")C 4-#12R90 #12 BOND	---	---	---	---	NFS L23-20R RCPT	DIV 26 DIV 26 DIV 26	
M-02G2	POSITIONER			2 A		120 V	1	MWA-18	20A/1P	1 SET 21(3/4")C 2-#12R90 #12 BOND	---	---	---	---	5-20R RCPT	DIV 26 DIV 26 DIV 26	
M-02G3	TIG UTILITY CART	1:103		25 A		208 V	1	MWA-20,22	50A/2P	1 SET 21(3/4")C 2-#8R90 #10 BOND	---	---	---	---	6-50R RCPT	DIV 26 DIV 26 DIV 26	
M-02H1	WELDING TABLE	1:103		16 A		600 V	3	MW00-20,22,24	20A/3P	1 SET 21(3/4")C 4-#12R90 #12 BOND	---	---	---	---	NFS L23-20R RCPT	DIV 26 DIV 26 DIV 26	
M-02H2	POSITIONER			2 A		120 V	1	MWA-21	20A/1P	1 SET 21(3/4")C 2-#12R90 #12 BOND	---	---	---	---	5-20R RCPT	DIV 26 DIV 26 DIV 26	
M-02H3	TIG UTILITY CART	1:103		25 A		208 V	1	MWA-23,25	50A/2P	1 SET 21(3/4")C 2-#8R90 #10 BOND	---	---	---	---	6-50R RCPT	DIV 26 DIV 26 DIV 26	
M-03A	BENCH GRINDER			8 A		120 V	1	MWA-49	20A/1P	1 SET 21(3/4")C 2-#12R90 #12 BOND	---	---	---	---	5-20R RCPT	DIV 26 DIV 26 DIV 26	3
M-03B	BENCH GRINDER			8 A		120 V	1	MWA-56	20A/1P	1 SET 21(3/4")C 2-#12R90 #12 BOND	---	---	---	---	5-20R RCPT	DIV 26 DIV 26 DIV 26	3
M-04	HORIZONTAL BANDSAW	1:103		16 A		480 V	3	MW40-1,3,5	30A/3P	1 SET 21(3/4")C 3-#12R90 #12 BOND	---	---	---	---	NFS	DIV 26 DIV 26 DIV 26	1,2,3
M-05A	MILLING MACHINE	1:103		10 A		208 V	1	MWA-28,30	20A/2P	1 SET 21(3/4")C 2-#12R90 #12 BOND	---	---	---	---	NFS	DIV 26 DIV 26 DIV 26	1,2,3
M-05B	MILLING MACHINE	1:103		10 A		208 V	1	MWA-29,31	20A/2P	1 SET 21(3/4")C 2-#12R90 #12 BOND	---	---	---	---	NFS	DIV 26 DIV 26 DIV 26	1,2,3

GENERAL NOTES:

A. OBTAIN CUT SHEETS OF ALL PROPOSED EQUIPMENT FROM OWNER AND CIRCULATE AS SHOP DRAWINGS TO THE PROJECT, PRIOR TO ROUGH-IN OF ELECTRICAL SERVICES. FINAL CONNECTION TO EQUIPMENT SHALL BE FLEXIBLE, ADJUST CIRCUIT BREAKER AND WIRE SIZE AS REQUIRED WITHOUT ADDITIONAL COSTS TO THE OWNER.
B. ALL DISCONNECT SWITCHES SHALL BE TYPE-4.
C. ALL RECEPTACLES (RCPT) SHALL BE EQUIPPED WITH WEATHERPROOF SELF-CLOSING COVERS.

SCHEDULE NOTES:

1. FED THROUGH FLOOR.
2. PROVIDE PEDESTAL FOR DISCONNECT. REFER TO POWER PEDESTAL DETAIL FOR FURTHER REQUIREMENTS.
3. PROVIDE PEDESTAL FOR EMERGENCY STOP (ES) SAFETY DISCONNECT. REFER TO POWER PEDESTAL DETAIL FOR FURTHER REQUIREMENTS.
4. PROVIDE DATA (2D) OUTLET.

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

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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
LICENSED 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
Machining & Welding Technology
Equipment Connection Schedule - Part 1

SCALE	PROJECT No:	SHEET No:
1 : 96	2020-127	E6.7

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