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
EQ-22A	VENDING MACHINE	CORRIDOR 1:090		10 A		120 V	1	P2F-22	20A/1P	1 SET 21(3/4")C 2-#12R90 #12 BOND	---	---	PKG	---	5-20R RCPT	DIV 26 DIV 26 DIV 26	
EQ-22B	VENDING MACHINE	CORRIDOR 1:090		10 A		120 V	1	P2F-25	20A/1P	1 SET 21(3/4")C 2-#12R90 #12 BOND	---	---	PKG	---	5-20R RCPT	DIV 26 DIV 26 DIV 26	
OHD-1	OVERHEAD DOOR	1:100	1			208 V	2	P2E-15,17	15A/2P	1 SET 21(3/4")C 2-#12R90 #12 BOND	PKG	---	CONTROL UNIT	DIV 08 DIV 26 DIV 26	NFS	DIV 26 DIV 26 DIV 26	1,2,3,4
OHD-2	OVERHEAD DOOR	1:103	1			208 V	2	P2E-8,10	15A/2P	1 SET 21(3/4")C 2-#12R90 #12 BOND	PKG	---	CONTROL UNIT	DIV 08 DIV 26 DIV 26	NFS	DIV 26 DIV 26 DIV 26	1,2,3,4

STARTER TYPES:
- FVNR FULL VOLTAGE NON-REVERSING
- FVR FULL VOLTAGE REVERSING
- 2-SPD TWO SPEED
- VFD VARIABLE FREQUENCY DRIVE
- RVS REDUCED VOLTAGE
- PKG PACKAGED UNIT

STARTER OPTIONS:
- MAG MAGNETIC
- MAN MANUAL
- HOA HAND-OFF-AUTO SWITCH
- RP RED (RUN) PILOT LIGHT
- GP GREEN (POWER) PILOT LIGHT
- 0/0 ON-OFF SELECTOR SWITCH
- S/S STOP-START PUSHBUTTONS

COMBINATION DISCONNECT TYPES:
- FS FUSED SWITCH
- NFS NON-FUSED SWITCH
- MCP MOTOR CIRCUIT PROTECTOR
- CB CIRCUIT BREAKER

ABBREVIATIONS:
- EC ELECTRICAL CONTRACTOR
- MC MECHANICAL CONTRACTOR
- AS AQUASTAT
- DCP DUPLEX CONTROLLER
- GC GENERAL CONTRACTOR
- HS HUMIDSTAT
- INT INTERLOCKED (WITH)
- SC SPEED CONTROL
- TC TIME CLOCK
- TS THERMOSTAT
- OWN OWNER

GENERAL NOTES:

A. CIRCUITING IS REPRESENTATIONAL ONLY. CONFIRM CIRCUITING ARRANGEMENTS ON SITE WITH EXISTING CONDITIONS.
B. WIRING BETWEEN VSDS AND MOTORS SHALL BE RATED FOR VSD USE.
C. INPUT AND OUTPUT CONDUCTORS TO AND FROM VFD'S SHALL BE INSTALLED IN SEPARATE RACEWAYS, INDEPENDENT FROM ANY OTHER CONDUCTORS, AND SHALL NOT PASS THRU ANY COMMON WIREWAY OR RACEWAY
D. ALL MAGNETIC STARTERS SHALL BE EQUIPPED WITH RED (RUN), GREEN (POWER) AND YELLOW (TRIP) PILOT (INDICATOR) LIGHTS.
E. EVSE PROVISION SHALL BE ROUGH-IN ONLY, EQUIPMENT RATINGS & CIRCUITS ARE SHOWN FOR FUTURE REFERENCES, NIC. BREAKERS ARE INCLUDED IN CONTRACT AS SPARES.

SCHEDULE NOTES:
1. INSTALL, WIRE AND CONNECT CONTROLLER UNIT AS SUPPLIED BY DIV. 08.
2. INSTALL, WIRE AND CONNECT REMOTE MOUNTED OPEN-STOP-CLOSE PUSHBUTTON STATION.
3. INSTALL, WIRE AND CONNECT NON-CONTACT PHOTO-ELECTRIC OBSTRUCTION SAFETY SENSOR.
4. INSTALL, WIRE AND CONNECT FLOOR LEVEL DISCONNECT DEVICE (ELECTRICAL INTERLOCK) FOR MANUAL OPERATION OVERRIDE.

ELECTRICAL HEATER SCHEDULE

MARK	DESCRIPTION	WATTAGE	VOLTAGE	PHASE	LENGTH	MANUFACTURER	MODEL SERIES	CONTROL DEVICE COMPONENT	CONTROL DEVICE FURN. INST.	NOTES
FA6.08A	ARCHITECTURAL FORCED-AIR WALL HEATER	8,000 W	600 V	1		OUELLET	OAWH	IT	DIV 26 DIV 26	
UA3.02A	ELECTRIC UNIT HEATER COMPLETE WITH 24V REMOTE THERMOSTAT	2,000 W	347 V	1		OUELLET	OAS	IT	DIV 26 DIV 26	SUSPENDED FROM STRUCTURE

CONTROL DEVICES:
- LN-IT LINE VOLTAGE INTERNAL TAMPERPROOF BI-METAL THERMOSTAT T-STAT
- LN-ID LINE VOLTAGE INTERNAL DIAL BI-METAL THERMOSTAT
- LN-R LINE VOLTAGE REMOTE BI-METAL THERMOSTAT
- LW-IT LOW VOLTAGE INTERNAL TAMPERPROOF BI-METAL THERMOSTAT
- LW-ID LOW VOLTAGE INTERNAL DIAL THERMOSTAT
- LW-R LOW VOLTAGE REMOTE BI-METAL THERMOSTAT
- IT INTERNAL TAMPERPROOF THERMOSTAT
- ID INTERNAL DIAL THERMOSTAT

GENERAL NOTES:

A. HEATER OUTPUT SHALL BE AS INDICATED AT SPECIFIED VOLTAGE.
B. BASEBOARD HEATERS AND FORCE FLOW HEATERS SHALL BE WHITE IN COLOUR. CONFIRM FINISH WITH ARCHITECT.
C. OUELLET, CHROMALOX, STELPRO, AND Q-MARK MEETING ABOVE SPECIFICATIONS ARE APPROVED EQUAL MANUFACTURERS.
D. WHERE BASEBOARD HEATERS ARE SPECIFIED, LINEAR CONVECTORS ARE NOT APPROVED EQUAL.
E. ALL DRAFT BARRIER HEATERS SHALL BE COMPLETE WITH FINISHED BACK AND PEDESTAL MOUNTS.
F. ALL LOW-VOLTAGE CONTROLLED HEATERS SHALL BE COMPLETE WITH LOW VOLTAGE RELAY AND TRANSFORMER KIT FOR LOW VOLTAGE THERMOSTAT CONNECTION.

SPEAKER SCHEDULE

TYPE	DESCRIPTION
SP1A	SMALL RECESSED-FLUSH MOUNTED PAGING SYSTEM SPEAKER
SP1B	SMALL SURFACE MOUNTED PAGING SYSTEM SPEAKER
SP2A	SMALL WALL MOUNTED IP SPEAKER WITH DISPLAY
SP2B	LARGE WALL MOUNTED IP SPEAKER WITH DISPLAY
SP3	EXTERIOR WEATHERPROOF HORN-SPEAKER
SP4A	LARGE AREA RECESSED-FLUSH MOUNTED INSTRUCTIONAL AUDIO SYSTEM SPEAKER
SP4B	LARGE AREA PENDANT MOUNTED INSTRUCTIONAL AUDIO SYSTEM SPEAKER
SP5	SMALL RECESSED-FLUSH MOUNTED INSTRUCTIONAL AUDIO SYSTEM SPEAKER

CCTV CAMERA SCHEDULE

TYPE	DESCRIPTION
C1	INDOOR DOME CAMERA
C2	OUTDOOR BULLET CAMERA
C3	OUTDOOR DOME CAMERA
C4	INSTRUCTIONAL VIDEO SYSTEM CAMERA

ENGINEERS GEOSCIENTISTS MANITOBA
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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 — LICENSED PROFESSIONAL ENGINEER — 2024-04-01

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 Schedules Miscellaneous

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

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