

EQUIPMENT CONNECTION SCHEDULE																	
NO.	DESCRIPTION	ROOM	LOAD			VOLT	PH	CIRCUIT	CIRCUIT BREAKER	CONDUIT & WIRE SIZE	STARTER		CONTROL DEVICE		DISCONNECT		NOTES
			HP	A	W						COMPONENT	FURN. INST. WIRED	COMPONENT	FURN. INST. WIRED	COMPONENT	FURN. INST. WIRED	
EQ-22A	VENDING MACHINE	CORRIDOR 1.090		10 A		120 V	1	P2F-22	20A1P	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	20A1P	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	15A2P	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	15A2P	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		NOTES
								COMPONENT	FURN. INST.	
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

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

CORD REEL SCHEDULE			
ID Type Mark	Description - Instance	MANUFACTURER	MODEL
CR1	PLENUM RATED CORD REEL (CULINARY ARTS, FOOD & NUTRITION) TYPE 4 CORD REEL, WHITE FINISH, 2-POSITION GUIDE ARM, POSITIVE LATCH MECHANISM FOR CORD LENGTH. 12/3 CONDUCTOR, CONFIRM CORD LENGTH WITH INSTALLATION HEIGHT. 600V RATED, SOW CABLE. TWO (2) X 5-20R TAMPERPROOF DUPLEX RECEPTACLES, BLACK OUTLET BOX, SPRING LOADED COVER FOR EACH OUTLET OF DUPLEX RECEPTACLE. GFCI MODULE. INCLUDE MOUNTING HARDWARE AS REQUIRED. SUPPORT CORD REEL FROM STRUCTURE USING THREADED ROD AND STEEL CHANNEL. PLENUM ENCLOSURE SHALL BE FLUSH MOUNTED WITH UNDERSIDE OF FINISHED CEILING.	HUBBELL	INREACH
CR2	INDUSTRIAL WEATHERPROOF CORD REEL (CONSTRUCTION & WOOD TECH, MACHINE & WELDING TECH) TYPE 4 ENCLOSURE, YELLOW FINISH, 2-POSITION GUIDE ARM, POSITIVE LATCH MECHANISM FOR CORD LENGTH. 12/3 CONDUCTOR, CONFIRM CORD LENGTH WITH INSTALLATION HEIGHT. 600V RATED, SOW CABLE. TWO (2) X 5-20R TAMPERPROOF DUPLEX RECEPTACLES, YELLOW OUTLET BOX, SPRING LOADED COVER FOR EACH OUTLET OF DUPLEX RECEPTACLE. INCLUDE MOUNTING HARDWARE AS REQUIRED. SUPPORT CORD REEL FROM STRUCTURE USING THREADED ROD AND STEEL CHANNEL.	HUBBELL	INREACH

GENERAL NOTES:
 A. APPROVED MANUFACTURERS: HUBBELL, LIND EQUIPMENT, OR APPROVED EQUAL.



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1	ADDENDUM-01		24-04-18
0	ISSUED FOR CONSTRUCTION	JS/MP	24-04-01
No.	REVISION/DESCRIPTION	BY	DATE

SEAL

EW DRAWN	MP/KG CHECKED	KG DESIGNED	MP/KG APPROVED
DATE	USER APPROVAL		
2024-04-18			

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-R1