CULINARY ARTS EQUIPMENT SCHEDULE - 101-139

EQUIPMENT LIST				ELECTRICAL SERVICES						MECHANICAL SERVICES													
										WATER				WASTE				GAS		EXHAUST			
No.	Description	Qty.	SUPPLIER	Load	Volts	Ph.	Conn. Type	Elec. RI Height	Electrical Remarks	HW	HW RI Height	CW	CW RI Height	Direct	Direct RI Height	Indirect	To	Load MBH	Size	CFM	Duct Size	S.P.	Mechanical Remarks
101	FIRE SUPRESSION SYSTEM	1	KEC	1A	120V	1	JUNCTION	2900	TIE INTO BUILDING ALARM; SEE NOTE C-E5														SEE NOTE C-M4
102	SS EXHAUST CANOPY FILLER	1	KEC																				
103	SINGLE OVEN RANGE c/w BURNER TOP	10	KEC															236	25				SERVICES REQ'D FOR EACH
103A	SINGLE OVEN RANGE c/w BURNERS	1	KEC															164	19				
104	SS PREPARATION TABLE	5	KEC	15A	120V	1	RECEPTACLE		1ea. - UTILITY OUTLET REQ'D PER TABLE														
105	MOBILE SS TABLE	1	KEC	15A	120V	1	RECEPTACLE	CEILING	2ea. - UTILITY OUTLETS REQ'D FOR EACH														
106	MOBILE SS TABLE	1	KEC																				
107	SS SERVICE WALL c/w SS SERVICE CHASE	2	KEC	15A	120V	1	RECEPTACLE		2ea. - UTILITY OUTLETS REQ'D FOR EACH; SEE NOTE C-E7														SEE NOTE C-M8
108	EXHAUST CANOPY	4	KEC	0.3KW	120V	1	JUNCTION	2900	SERVICES REQ'D FOR EACH; SEE NOTE C-E3											2439	305x430	0.22"	SERVICES REQ'D FOR EACH; SEE NOTE C-M5
109	FIRE SUPRESSION SYSTEM	1	KEC	1A	120V	1	JUNCTION	2900	TIE INTO BUILDING ALARM; SEE NOTE C-E5														SEE NOTE C-M4
110	FIRE SUPRESSION SYSTEM	1	KEC	1A	120V	1	JUNCTION	2900	TIE INTO BUILDING ALARM; SEE NOTE C-E5														SEE NOTE C-M4
111	SS EXHAUST CANOPY FILLER	2	KEC																				
112	MOBILE SS TABLE	2	KEC	15A	120V	1	RECEPTACLE	CEILING	1ea. - UTILITY OUTLETS REQ'D FOR EACH														
113	EXHAUST CANOPY	1	KEC	0.3KW	120V	1	JUNCTION	2900	SEE NOTE C-E3											1835	305x330	0.38"	SEE NOTE C-M5
114	SS SERVICE WALL / CHASE	1	KEC						SEE NOTE C-E6														
115	FIRE SUPRESSION SYSTEM	1	KEC	1A	120V	1	JUNCTION	2900	TIE INTO BUILDING ALARM; SEE NOTE C-E5														SEE NOTE C-M4
116	30gal. TILTING SKILLET	1	KEC	2A	120V	1	RECEPTACLE	500	SEE NOTE C-E1	13	275	13	275					91	19				
117	SS FLOOR DRAIN PAN	2	KEC											75	STUB-UP								WASTE TO GREASE TRAP; HIGH TEMP RESISTANT PIPING REQ'D; SEE NOTE C-M3
118	40gal. TILTING KETTLE	1	KEC	10A	120V	1	RECEPTACLE	500	SEE NOTE C-E1	13	275	13	275					140	19				
119	SPARE	1	-																				
120	DEEP FRYER	2	KEC															110	19				
121	EXHAUST CANOPY	1	KEC	0.3KW	120V	1	JUNCTION	2900	SEE NOTE C-E3											1870	305x330	0.34"	SEE NOTE C-M5
122	CONVECTION STEAM COOKER	1	KEC	2A	120V	1	JUNCTION	500	SEE NOTE C-E1			2@13				50	FFD	125	19				HEAT RESISTANT DRAIN PIPING REQ'D
123	WATER FILTER	1	KEC									13	1220										
124	SS FLOOR DRAIN PAN	1	KEC											75	STUB-UP								WASTE TO GREASE TRAP; HIGH TEMP RESISTANT PIPING REQ'D; SEE NOTE C-M3
125	COMBI OVEN c/w STAND	1	KEC	8A	120V	1	RECEPTACLE	500	SEE NOTE C-E1			2@19				50	FDP	110	19				HIGH TEMP. RESISTANT DRAIN PIPING REQ'D
126	WATER FILTER	1	KEC									13	1220										
127	EXHAUST CANOPY	1	KEC	0.3KW	120V	1	JUNCTION	2900	SEE NOTE C-E3											2110	305x380	0.47"	SEE NOTE C-M5
128	CONVECTION OVEN	1	KEC	6A	120V	1	RECEPTACLE	500	SEE NOTE C-E1									55	19				
129	SS CABINET	1	KEC																				
130	POS TERMINAL	1	THE CITY	15A	120V	1	RECEPTACLE	1250	SEE NOTE C-E1														
131	COUNTERTOP BROILER	1	KEC															72	19				
132	SS SERVERY TABLE	1	KEC	15A	120V	1	RECEPTACLE	750	3ea. - UTILITY OUTLETS; SEE NOTE C-E1														
133	DROP-IN FOUR WELL HOT / COLD FOOD TABLE	1	KEC	19A	208V	1	JUNCTION	600	120V / 1PH / 7AMP SERVICE ALSO REQ'D	13	500					25	FFD						
134	SS OVERSHELF & SNEEZEGUARD	1	KEC																				
135	HEAT LAMP	2	KEC	8A	120V	1	RECEPTACLE	600	SERVICES REQ'D FOR EACH														
136	REFRIGERATED TABLE	1	KEC	11A	120V	1	RECEPTACLE	610	SEE NOTE C-E1														
137	SS WALL SHELF	1	KEC																				
138	ICE MAKER c/w BIN	1	KEC	15A	120V	1	JUNCTION	1800	SEE NOTE C-E1			13				25	FFD						PLUMB CW FROM FILTER
139	WATER FILTER	1	KEC									13	1700										PLUMB CW TO ITEM #138

SUPPLIER CODE	
KEC	KITCHEN EQUIPMENT SUBCONTRACTOR
MECH	MECHANICAL SUBCONTRACTOR
OTHERS	EQUIPMENT SUPPLIED BY OTHERS
THE CITY	EQUIPMENT SUPPLIED BY THE CITY

GENERAL NOTES

1 ALL ABOVE EQUIPMENT HAS A SUPPLIER INDICATION NOTED. ANY EQUIPMENT SPECIFIED AS "KEC" WILL BE DELIVERED TO THE SITE, UNCRATED, ASSEMBLED AND SET INTO PLACE AS SHOWN ON THE "K-SERIES" DRAWINGS. IT IS THE MECHANICAL AND ELECTRICAL SUBCONTRACTORS RESPONSIBILITY TO ROUGH-IN SERVICES AS IDENTIFIED ON THESE DRAWINGS PRIOR TO EQUIPMENT DELIVERY.

2 UPON COMPLETION OF ROOM FINISHES, THE KITCHEN EQUIPMENT SUBCONTRACTOR (KEC) WILL SET ALL THEIR EQUIPMENT INTO PLACE, LEVEL AND MAKE READY FOR FINAL HOOK-UPS (BY MECHANICAL & ELECTRICAL SUBCONTRACTORS).

3 UPON COMPLETION OF HOOK-UPS, THE KITCHEN EQUIPMENT SUBCONTRACTOR (KEC) TOGETHER WITH THE MECHANICAL AND ELECTRICAL SUBCONTRACTORS MUST COMPLETE A START-UP TO ENSURE ALL EQUIPMENT IS IN PROPER OPERATING CONDITION.

4 AT THIS POINT THE CONTRACTOR WILL BE RESPONSIBLE FOR A THOROUGH AND COMPLETE CLEANING PRIOR TO TURNOVER / OCCUPANCY OF THE CITY.

ELECTRICAL NOTES - CULINARY ARTS

C-E1 THIS PLAN IDENTIFIES CRITICAL SERVICE ROUGH-IN LOCATIONS ONLY. ALL OTHER SERVICES REQUIRED AS PER KITCHEN EQUIPMENT SCHEDULE. ALL HEIGHTS SHOWN ARE FOR ROUGH-IN PURPOSES ONLY AND ARE NOT FINAL CONNECTION LOCATIONS BUT APPROXIMATION FOR ESTIMATING PURPOSES ONLY. KEC TO VERIFY LOCATIONS OF ALL SERVICES ON SITE TO ENSURE PROPER OPERATION OF ALL EQUIPMENT.
ALL SERVICES TO BE CENTERED BEHIND RESPECTIVE EQUIPMENT, WITH THE EXCEPTION OF:
- ITEM #23 DISHWASHER c/w HOT WATER BOOSTER - SERVICES TO BE LOCATED APPROX. 305mm TO THE RIGHT OF THE UNIT
- ITEM #11 WALK-IN FREEZER & ITEM #12 WALK-IN FREEZER EVAPORATOR COIL - SERVICES TO BE LOCATED IN AN ACCESSIBLE LOCATION ABOVE WALK-IN BOX
- ITEM #15 WALK-IN COOLER & ITEM #16 WALK-IN COOLER EVAPORATOR COIL - SERVICES TO BE LOCATED IN AN ACCESSIBLE LOCATION ABOVE WALK-IN BOX
- ITEM #65 WALK-IN COOLER & ITEM #66 WALK-IN COOLER EVAPORATOR COIL - SERVICES TO BE LOCATED IN AN ACCESSIBLE LOCATION ABOVE WALK-IN BOX
- ITEM #71 WALK-IN FREEZER & ITEM #72 WALK-IN FREEZER EVAPORATOR COIL - SERVICES TO BE LOCATED IN AN ACCESSIBLE LOCATION ABOVE WALK-IN BOX
- ALL TABLES / COUNTERS w/ MULTIPLE UTILITY OUTLETS - OUTLETS TO BE SPACED EQUALLY ALONG LENGTH OF UNIT

C-E2 THIS PLAN IDENTIFIES ONLY THE ELECTRICAL SERVICES REQUIRED FOR ACTUAL EQUIPMENT OPERATION. OTHER ELECTRICAL SERVICES MAY BE REQUIRED AS NOTED ON ELECTRICAL DRAWINGS.

C-E3 ELECTRICAL SUBCONTRACTOR TO WIRE TO JUNCTION BOX(ES) LOCATED ON TOP OF EACH INDIVIDUAL EXHAUST CANOPIES, ITEMS #44, 98, 108, 113, 121 & 127. THIS LIGHTING CIRCUIT MUST BE CONNECTED TO A CONVENIENTLY LOCATED LIGHT SWITCH OR TO THE KITCHEN LIGHTING SYSTEM.

C-E4 THE KITCHEN EQUIPMENT SUBCONTRACTOR IS RESPONSIBLE FOR ALL INTER-WIRING OF REFRIGERATION COMPONENTS INCLUDING, BUT NOT LIMITED TO, CONDENSING UNITS, COILS, DEFROST TIMERS, SOLENOID VALVES AND OTHER CONTROL WIRING TO MAKE A COMPLETE WORKING REFRIGERATION SYSTEM. ELECTRICAL SUBCONTRACTOR TO MAKE SINGLE POINT CONNECTIONS TO ITEMS #11-13, 15-17, 65-67 & 71-73 AND AS NOTED IN EQUIPMENT SCHEDULE. INTERIOR LIGHTS TO BE SUPPLIED AND INSTALLED BY KEC FOR CONNECTION BY ELECTRICAL SUBCONTRACTOR. ALL WIRING TO BE CONCEALED ABOVE WALK-IN BOX CEILING WITH ONLY DROPS TO EACH INDIVIDUAL LIGHT EXPOSED.

C-E5 ELECTRICAL SUBCONTRACTOR TO SUPPLY AND INSTALL EMPTY ELECTRICAL BOX (AT 1150mm AFF) & CONDUIT (TO ABOVE FINISHED CEILING) TO ACCOMMODATE REMOTE PULL STATION, FOR FIRE SUPPRESSION SYSTEMS, ITEM #46, 101, 109, 110 & 115 (SUPPLIED AND INSTALLED BY KEC); REFER TO PLAN FOR LOCATION(S)

C-E6 ELECTRICAL SUBCONTRACTOR TO SUPPLY & INSTALL BOX EXTENDERS, TO ALL COOKING EQUIPMENT RECEPTACLES, ITEMS #47 & 51, TO ACCOMMODATE 25mm THICK INSULATED SS WALL PANELS

C-E7 ALL ELECTRICAL SERVICES, TO ISLAND COOKING AREAS, TO BE DROPPED DOWN WITHIN SS SERVICE CHASE(S) (SUPPLIED & INSTALLED BY KEC) OR STUBBED UP WITHIN SS CURBS OF SS SERVICE WALLS, ITEM #97 & 107, AT LOCATIONS SHOWN ON DRAWINGS, BY ELECTRICAL SUBCONTRACTOR. ALL SERVICES TO BE FULLY CONCEALED WITHIN SS CHASES / CURBS, KEC TO COORDINATE AS REQUIRED. ALL SS ELECTRICAL BOXES, FACE PLATES & APPLICABLE ELECTRICAL DEVICES REQUIRED FOR INDIVIDUAL EQUIPMENT TO BE SUPPLIED & INSTALLED BY KEC. ALL INTERNAL WIRING BY ELECTRICAL SUBCONTRACTOR.

C-E8 ALL ELECTRICAL SERVICES, TO ISLAND PREPARATION AREAS, TO BE STUBBED UP WITHIN SS CURBS OF SS PREPARATION TABLES, ITEM #92 & 94, AT LOCATIONS SHOWN ON DRAWINGS FOR CONNECTION TO JUNCTION BOX(ES) (SUPPLIED & INSTALLED IN BASE CABINET BY KEC) BY ELECTRICAL SUBCONTRACTOR. ALL SERVICES TO BE FULLY CONCEALED WITHIN SS CURBS, KEC TO COORDINATE AS REQUIRED. ALL SS ELECTRICAL BOXES, FACE PLATES, APPLICABLE ELECTRICAL DEVICES REQUIRED FOR INDIVIDUAL EQUIPMENT TO BE SUPPLIED & INSTALLED BY KEC. ALL INTERNAL, FULLY CONCEALED, PRE-WIRING FROM JUNCTION BOXES TO OUTLETS BY KEC.

C-E9 ELECTRICAL SUBCONTRACTOR TO WIRE TO JUNCTION BOX TO APPROX. 725mm AFF. FOR ITEM #91. UPON EQUIPMENT INSTALLATION ELECTRICAL SUBCONTRACTOR TO WIRE FROM JUNCTION BOX TO RECEPTACLE SUPPLIED & INSTALLED IN BACKSPLASH BY KEC

MECHANICAL NOTES - CULINARY ARTS

C-M1 THIS PLAN IDENTIFIES CRITICAL SERVICE ROUGH-IN LOCATIONS ONLY. ALL OTHER SERVICES REQUIRED AS PER KITCHEN EQUIPMENT SCHEDULE. ALL HEIGHTS SHOWN REPRESENT ROUGH-IN HEIGHTS ONLY TO THE CENTER OF SERVICE AND ARE NOT FINAL CONNECTION LOCATIONS BUT APPROXIMATION FOR ESTIMATING PURPOSES ONLY. KEC TO VERIFY LOCATIONS OF ALL SERVICES ON SITE TO ENSURE PROPER OPERATION OF ALL EQUIPMENT.
ALL SERVICES TO BE CENTERED BEHIND RESPECTIVE EQUIPMENT, WITH THE EXCEPTION OF:
- ITEM #23 DISHWASHER c/w HOT WATER BOOSTER - SERVICES TO BE LOCATED APPROX. 200mm TO THE LEFT OF THE UNIT
- ITEM #26 WALL MOUNT HOSE & REEL - SERVICES TO BE CENTERED BEHIND MIXING VALVE LOCATION; REFER TO ELEVATIONS

C-M2 THIS PLAN IDENTIFIES ONLY THE MECHANICAL SERVICES REQUIRED FOR ACTUAL EQUIPMENT OPERATION. OTHER MECHANICAL SERVICES MAY BE REQUIRED, AS NOTED ON MECHANICAL DRAWINGS.

C-M3 MECHANICAL SUBCONTRACTOR TO PLUMB ALL WASTE CONNECTIONS FROM FOOD SERVICE EQUIPMENT INCLUDING SINKS (EXCLUDING HAND SINKS), FLOOR DRAIN PANS ETC. TO GREASE INTERCEPTOR(S) AS NOTED IN EQUIPMENT SCHEDULE. LOCATION / QUANTITY OF GREASE INTERCEPTOR(S) REQUIRED TO BE CONFIRMED BY MECHANICAL

C-M4 KITCHEN SUBCONTRACTOR TO PROVIDE FIRE SUPPRESSION SYSTEM SHUTOFF VALVES FOR INSTALLATION IN MAIN GAS LINES BY MECHANICAL SUBCONTRACTOR. NOTE: SHUTOFF VALVES MUST BE ACCESSIBLE.

C-M5 MECHANICAL SUBCONTRACTOR IS RESPONSIBLE FOR ALL EXHAUST DUCTWORK AND DUCTWORK CONNECTIONS TO INDIVIDUAL EXHAUST CANOPIES AND CONDENSATE COLLECTORS. INDIVIDUAL DUCTING WILL BE REQUIRED AS SHOWN. MECHANICAL SUBCONTRACTOR TO PROVIDE MAKE-UP AIR CAPABLE OF REPLACING A MINIMUM OF 80% OF THE EXHAUST AIR. EXHAUST FAN & MAKE-UP AIR UNITS MUST BE CAPABLE OF VARIABLE SPEED, CAPACITIES RANGING FROM 50 - 100% DEPENDING ON COOKING PRODUCTION CAPACITY

C-M6 KITCHEN EQUIPMENT SUBCONTRACTOR TO SUPPLY AND INSTALL 19mm COPPER DRAIN LINES, TO ITEMS #12, 16, 66 & 72, WITH MINIMUM 15 DEGREE SLOPE FROM INTERIOR COIL TO APPROPRIATE FLOOR DRAIN. TRAP REQUIRED OUTSIDE OF ROOM BEFORE RUNNING TO FLOOR DRAIN. DRAIN LINE TO PENETRATE THRU EXTERIOR WALL AT 500mm AFF.

C-M7 KITCHEN EQUIPMENT SUBCONTRACTOR TO SUPPLY AND INSTALL 25mm COPPER DRAIN LINE(S), TO ITEM #133, c/w DRAIN VALVE EXTENSION HANDLE TO APPROPRIATE FLOOR DRAIN. DRAIN LINE(S) TO BE RUN IN A MANNER THAT HAS MINIMAL IMPACT LOWER STORAGE AREA BELOW.

C-M8 ALL MECHANICAL SERVICES TO ISLAND COOKING AREAS, TO BE DROPPED DOWN WITHIN SS SERVICE CHASE(S) (SUPPLIED & INSTALLED BY KEC) OR STUBBED UP WITH SS CURBS OF SS SERVICE WALLS, ITEMS #97 & 107, AT LOCATIONS SHOWN ON DRAWINGS, BY MECHANICAL SUBCONTRACTOR. ALL SERVICES TO BE FULLY CONCEALED WITHIN SS CHASES / CURBS, KEC TO COORDINATE AS REQUIRED.

C-M9 ALL MECHANICAL SERVICES TO ISLAND PREPARATION AREAS, TO BE STUBBED UP WITHIN SS CURBS OF SS PREPARATION TABLES, ITEMS #92 & 94, AT LOCATIONS SHOWN ON DRAWINGS, BY MECHANICAL SUBCONTRACTOR. ALL SERVICES TO BE FULLY CONCEALED WITHIN SS CURBS, KEC TO COORDINATE AS REQUIRED.

C-M10 MECHANICAL SUBCONTRACTOR TO PLUMB ALL IN-LINE WATER FILTERS (SUPPLIED & INSTALLED BY KEC) WITH BY-PASS PIPING c/w APPLICABLE SHUT-OFF VALVES AS NECESSARY, TO ALLOW FULL OPERATION OF EQUIPMENT IN THE EVENT OF A FILTER / CARTRIDGE FAILURE.

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No.	REVISION/DESCRIPTION	BY	DATE
0	ISSUED FOR CONSTRUCTION	SB	04.01.24

SEAL

SCB DRAWN	DRB CHECKED	DRB DESIGNED	DRB APPROVED
DATE 2024.04.01	USER APPROVAL		

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
CULINARY ARTS EQUIPMENT SCHEDULE

SCALE	PROJECT No:	SHEET No:
	2020-127	K-2b