EXHAUST FAN SCHEDULE

TAG	MANUFACTURER	MODEL	AREA SERVED	AIR FLOW (CFM)	E.S.P. (IN)	FAN RPM	VOLTS	PHASE	FREQUENCY	WATTAGE	REMARKS + ACCESSORIES
EF-1	COOK	GN622	ELECT. ROOM 104	350	0.5	1277	115	1	60	126	DISCONNECT SWITCH, VIBRATION ISOLATION, BACKDRAFT DAMPER, BIRDSCREEN. FAN TO BE INTERLOCKED WITH MOTORIZED DAMPER BY RA THERMOSTAT. FAN AND MOTORIZED DAMPER TO BE ENERGIZED BY RA THERMOSTAT.
EF-2	COOK	GN622	EQUIP. ROOM 103A	250	0.5	1277	115	1	60	126	DISCONNECT SWITCH, VIBRATION ISOLATION, BACKDRAFT DAMPER, BIRDSCREEN. FAN TO BE INTERLOCKED WITH MOTORIZED DAMPER BY RA THERMOSTAT. FAN AND MOTORIZED DAMPER TO BE ENERGIZED BY RA THERMOSTAT.
BF-1	COOK	SQI-B	FUME HOOD	1140	0.6	1198	575	3	60	195	DISCONNECT SWITCH, VIBRATION ISOLATION, BACKDRAFT DAMPER, BIRDSCREEN. INTERLOCKED WITH FUME HOOD BY RA THERMOSTAT

MAKEUP AIR UNIT SCHEDULE

TAG	MANUFACTURER	MODEL	TYPE	HEATING OUTPUT (MBH)	AIR FLOW (CFM)	VOLTS/PH/HZ	DIM. (LxWxH IN)	WEIGHT	REMARKS
MUA-1	ENGINEERED AIR	LM2	HYDRONIC HEATING COIL	230	2000	575/3/60	77x29x37	1100 lb	C/W CONTROL PACKAGE, AND MOTORIZED DAMPERS, TOP OUTDOOR AIR INLET, END SUPPLY OUTLET, HYDRONIC HEATING COIL (40% PROPYLENE GLYCOL)

ACCEPTABLE ALTERNATES: TRANE, ANNEX AIR

BOILER SCHEDULE

TAG	MANUFACTURER	MODEL	FUEL TYPE	OUTPUT (MBH)	FLUE CONN. (IN)	ELEC.	POWER (Hp)	ACCESSORIES
B-1	WEIL-MCLAIN	SERIES 80, MODEL 480	NO 2 FUEL OIL	344	8	120/1/60	1/8	RIELLO F15 BURNER, BOILER CONTROL UNIT,JUNCTION BOX, LOW WATER CUT-OFF, SAFETY HEADER, DRAIN VALVE, WATER FLOW SWITH

NOTES:

1. INSTALL TO MANUFACTURER'S RECOMENDATIONS C/W ALL REQUIRED TRIM & FITTINGS, INCLUDING ALL SAFETY RELEIF VALVES.
2. INSTALL VENTING + COMBUSTION AIR PIPING AS PER MANUFACTURER'S RECOMENDATIONS AND TO ACCORDANCE OF LOCAL AUTHORITY HAVING JURISDICTION.

ACCEPTABLE ALTERNATES: BUDERAS, VIESSMANN

HEAT RECOVERY VENTILATOR SCHEDULE

TAG	MANUFACTURER	MODEL	AIR FLOW (CFM)	ELECTRICAL			SUPPLY FAN		RETURN FAN		COMMENTS
				SUPPLY MOTOR HP	EXHAUST MOTOR HP	VOLTAGE	AIR FLOW (CFM)	E.S.P. (IN)	AIR FLOW (CFM)	E.S.P. (Pa)	
HRV-1	NU-AIR	NU508-C-F-P-G-0-1	600	1/3	1/3	115/1/60	600	0.5	600	0.5	C/W REMOTE WALL CONTROLLER, POLYCORE HEAT EXCHANGER, STD. DEFROST AND VIBRATION ISOLATORS.

ACCEPTABLE ALTERNATES: SYSTEMAIRE, VENMAR

PUMP SCHEDULE

TAG	SERVING	TYPE	MANUFACTURER	MODEL	FLOW RATE (GPM)	HEAD (FT)	MOTOR		
							HP	FAN RPM	ELEC.
P-1	BOILER LOOP	INLINE	ARMSTRONG	ASTRO 210 CI FLG	26	5	0.27	3600	115/1/60
P-2	BUILDING HEAT	INLINE	ARMSTRONG	E22.2 CI	10	36	0.40	3350	115/1/60
P-3	MAU-1	INLINE	ARMSTRONG	ASTRO 286 CI FLG	26	13	0.50	3600	230/1/60

ACCEPTABLE ALTERNATES: GRUNDFOS, TACO

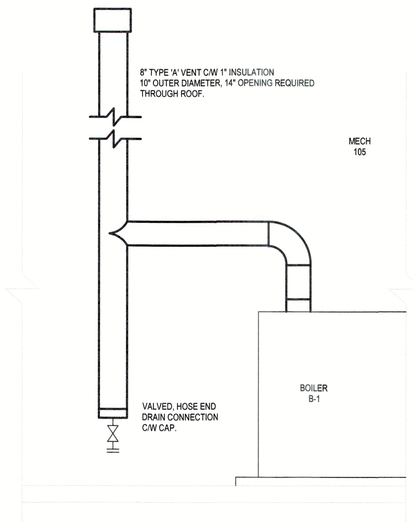
SUPPLY DIFFUSER AND RETURN AIR GRILLESCHEDULE

TAG	MANUFACTURER	MODEL	AIRFLOW (CFM)	QUANTITY	REMARKS
S-1	E.H.PRICE	520D, 12x6	120	4	CONTRACTOR TO PROVIDE SHEET METAL BOX TO MOUNT DIFFUSER TO.
S-2	NUGRILLE	NUGRILLE-4"	40	1	
S-3	E.H.PRICE	HFC 24x48	1000	2	12"Ø INLET, 2-WAY BLOW

EXPANSION TANK SCHEDULE

TAG	TYPE	MANUFACTURER	MODEL	TANK VOLUME	ACCEPTANCE VOLUME	FLUID
ET-1	FLOOR MOUNTED	ARMSTRONG	AX-40V	25.0 GAL	20.2 GAL	40% PG

ACCEPTABLE ALTERNATES: TACO, AMTROL



1 / M104 BOILER BREECHING AND STACK
N.T.S.

Stantec
102 - 40 Highfeild Park Drive,
Dartmouth N.S. B3A 0A3
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Consultants / Experts-conseils

Legend / Légende

Project North
Nord du projet

True North
Nord réel

Notes

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Permit-Seal / Permit-sceau

Client
BARRON LAB

FORTRESS OF LOUISBOURG
NATIONAL HISTORIC SITE, LOUISBOURG

Title
HVAC
SCHEDULES AND DETAIL

Project No.	Scale	
140170136	AS SHOWN	
Drawing No.	Sheet	Revision
M104	4 of / de 4	0

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ORIGINAL SHEET - ARCH D