

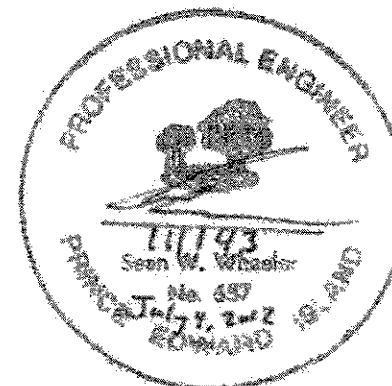
STEAM HUMIDIFIER (DUCT MOUNTED, REFER TO DWG)							
SYSTEM	DESCRIPTION	CAPACITY (IBS/HR)	CONTROL VALVE	SPRAY BAR	RATED K.W.	VOLT PHASE	COMMENTS
HUM-1	ELECTRODE TYPE STEAM HUMIDIFIER	50 LBS	FULL DDC CONTROL	SAM 228MM D.C.	7.6	575/3	C/W STEAM DISTRIBUTOR MATCHED TO DUCT SIZE, BACNET COMPATIBLE CONTROLS, MODULATING HIGH LIMIT FOR CONTROL BY EMCS.

PACKAGED REVERSE OSMOSIS SCHEDULE											
MARK	DESCRIPTION	LOCATION	SYSTEM AND/OR SERVICE	TYPE	INCOMING WATER PPM DISSOLVED SOLIDS	PRODUCT CAPACITY		PUMP ELECTRICAL			REMARKS
						GPM	TLPM	POWER VA	PHASE	VOLT	
RO-1	NANOPURE WATER FOR BIOLOGICAL AND LIFE SCIENCES APPLICATIONS	229	LABORATORY TYPE 1 REAGENT GRADE WATER	PACKAGED SYSTEM	400	0.06	0.02	100	1	120	PROVIDE WITH HIGH LEVEL CUTOFF, LOW LEVEL PROTECTION, LOW PRESSURE PROTECTION, STORAGE, COUNTER MOUNTED CHROME GOOSENECK DISPENSER, AND PARTICULATE PRE FILTER

FUME HOOD SCHEDULE													
MARK	DESCRIPTION	LOCATION	SYSTEM AND/OR SERVICE	HOOD TYPE	ELECTRICAL		HOOD SIZE (WIDTH)		EXHAUST				REMARKS
					VOLT	AMP	IN	[mm]	AIR FLOW CFM	[L/s]	APD HOOD ONLY IN WG	[Pa]	
HD-01	LOW VELOCITY BYPASS TYPE FUME HOOD	ROOM 229	EXHAUST SYSTEM EF-1. PROVIDE WITH HOT, COLD WATER, VACUUM AND 860 KPA COMPRESSED AIR OUTLETS	LOW VELOCITY CHEMICAL FUME HOOD BALANCED AIR	120	5	60	1524	565	270	0.20	50	STAINLESS STEEL INTERIOR CABINET WALLS, CUP SINK, CUL RATED, BASE SOLVENT STORAGE CABINET 30 INCH WIDE AND BASE ACID STORAGE CABINET 30 INCH WIDE, 2 X 120V 20A GFI RECEPTACLES, T-5 FLUORESCENT LIGHT, AIR FLOW MONITOR AND ALARM KIT.

BIOLOGICAL SAFETY CABINET EXHAUST SCHEDULE											
MARK	DESCRIPTION	LOCATION	SYSTEM AND /OR SERVICE	HOOD TYPE	ELECTRICAL		HOOD SIZE (WIDTH)		EXHAUST		REMARKS
					VOLT	AMP	IN	(mm)	AIR FLOW CFM	(L/s)	
HD-02	CLASS 11 BIOLOGIC SAFETY CABINET	ROOM 229		CLASS II TYPE A2	120	25	48	1219	342	161	STAINLESS STEEL INTERIOR CABINET WALLS, MANUAL ADJUSTABLE HEIGHT STAND, FACTORY INSTALLED UV LIGHT, ARMRESTS, H14 HEPA FILTER, GFI DUPLEX RECEPTACLE

DUCTWORK INSULATION SCHEDULE			
	TIAC CODE	VAPOUR RETARDER	THICKNESS (MM)
RECTANGULAR COLD AND DUAL TEMPERATURE SUPPLY AIR DUCTS (EXPOSED)	C-1	YES	50
ROUND COLD AND DUAL TEMPERATURE SUPPLY AIR DUCTS (CONCEALED AND EXPOSED)	C-2	YES	50
RECTANGULAR COLD AND DUAL TEMPERATURE SUPPLY AIR DUCTS (CONCEALED)	C-2	YES	25
EXHAUST DUCT BETWEEN DAMPERS AND LOUVERS	C-1	NO	50
OUTDOOR RECTANGULAR COLD AND DUAL TEMPERATURE SUPPLY AIR DUCTS (EXPOSED)	C-1	YES	50



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**AAFC CLRC MOLECULAR LAB RETROFIT**  
**440 UNIVERSITY AVE**  
**CHARLOTTETOWN**  
**QUEEN'S COUNTY, PEI**

drawing

dessin

**ROOM 229 LAB MECHANICAL SCHEDULES**

designed

SEAN WHEELER, P.ENG.

conçu

date

DEC. 2, 2011

drawn

AAP, E.I.T.

dessiné

date

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approved

approuvé

date

Tender

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Soumission

PWGSC Project Manager

Administrateur de projets TPSGC

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