

**APPENDIX 3**

**Existing Conditions Laboratory**

**HVAC Equipment Table**



CFIA Charlottetown  
Laboratory Spaces

Existing Conditions Laboratory HVAC Equipment

Lab ID	Containment Level	Air Flow Control Device I.D.	Constant or Variable air flow	Controller (BAS, Stand Alone, N/A)	Fan System Type	Fan System I.D.	Exhaust Equipment Served	Notes
Chem Stg Rm.	N/A	diverter valve	constant	stand alone (switch in rm)	Exhaust, Strobic	EF-229	canopy/gen exhaust	2 position switch diverts all exhaust air to/from canopy and room exhaust
Chem Stg Rm.	N/A	diverter valve	constant	stand alone (switch in rm)	Exhaust, Strobic	EF-230	canopy/gen exhaust	2 position switch diverts all exhaust air to/from canopy and room exhaust
M1-02	Level I	TBD	variable	stand alone (Pheonix)	Exhaust, Strobic	EF-100	fume hood	Low end flow not recorded, Device ID unknown
M1-02	Level I	TBD	TBD	TBD	Supply	No.1	N/A	
M1-04	Level I	TBD	variable	stand alone (Pheonix)	Exhaust, Strobic	EF-101	fume hood	
M1-04	Level I	TBD	TBD	TBD	Supply	No.1	N/A	
M2-01	Level II	#260	constant	N/A	Exhaust, Strobic	EF-226, 227	BSC (Baker B1)	
M2-01	Level II	#259,260A	constant	N/A	Exhaust, Strobic	EF-226, 227	BSC (Baker B2)	
M2-01	Level II	#261	constant	N/A	Exhaust, Strobic	EF-226, 227	BSC (microzone)	
M2-01	Level II	#262	variable	BAS	Exhaust, Strobic	EF-226, 227	General	
M2-01	Level II	#258	constant	N/A	Exhaust, Strobic	EF-226, 227	Old BSC (now general)	
M2-01	Level II	#218,218A	variable	BAS	Supply	No.2	N/A	
M2-02	Level II	#257	constant	N/A	Exhaust, Strobic	EF-221	canopy	
M2-02	Level II	#264	variable	BAS	Exhaust, Strobic	EF-222	Old cabinet, general, bench hood	
M2-02	Level II	#217	variable	BAS	Supply	No.2	N/A	
M2-03	Level II	#256	constant	N/A	Exhaust, Strobic	EF-224	General, BSC	
M2-03	Level II	#216	variable	BAS	Supply	No.2	N/A	
M2-04	Level II	#263	constant	N/A	Exhaust, NYB	EF-228	General	
M2-04	Level II	#224	constant	N/A	Supply	No.2	N/A	
M2-05	Level II	#253	variable	BAS	Exhaust, NYB	EF-217, EF-218	General	EF-217 and EF-218 include low speed/high speed functions, assume auto control through BAS.
M2-05	Level II	#254	constant	N/A	Exhaust, Strobic	EF-219	BSC	
M2-05	Level II	#255	constant	N/A	Exhaust, Strobic	EF-220	Old BSC (now general)	
M2-05	Level II	#215	variable	BAS	Supply	No.2	N/A	

Lab ID	Containment Level	Air Flow Control Device I.D.	Constant or Variable air flow	Controller (BAS, Stand Alone, N/A)	Fan System Type	Fan System I.D.	Exhaust Equipment Served	Notes
M2-06	Level II	#252	constant	N/A	Exhaust, Strobic	EF-216	General, BSC	
M2-06	Level II	#214	variable	BAS	Supply	No.2	N/A	
M2-07	Level II	#251	constant	N/A	Exhaust, Strobic	EF-215	General, BSC	
M2-07	Level II	#213	constant	N/A	Supply	No.2, SF-215	n/a	
M2-08	Level II	#249	constant	TBD	Exhaust, NYB	EF-211	acid cabinets	
M2-08	Level II	#250	variable	BAS	Exhaust, NYB	EF-214	General	exhaust from autoclave room
M2-08	Level II	#267	constant	stand alone (Pheonix)	Exhaust, Strobic	EF-212	canopy	
M2-08	Level II	#268	variable	stand alone (Pheonix)	Exhaust, Strobic	EF-213	fume hood	
M2-08	Level II	#211, 211A	variable	BAS	Supply	No.2	N/A	supply to main room,
M2-08	Level II	#212	variable	BAS	Supply	No.2	N/A	supply to autoclave room
M2-09	Level II	#247	variable	stand alone (Pheonix)	Exhaust, Strobic	EF-210	fume hood	
M2-09	Level II	#248	constant	N/A	Exhaust, Strobic	EF-210A	canopy	fan shut off due to poor condition.
M2-09	Level II	#210	variable	BAS	Supply	No.2	N/A	
M2-10	Level II	#246	constant	N/A	Exhaust, Strobic	EF-209	General, BSC	
M2-10	Level II	#209	constant	N/A	Supply	No.2, SF-209	N/A	
M2-11	Level II	#244	constant	BAS	Exhaust, NYB	EF-206	BSC	
M2-11	Level II	#243	variable	BAS	Exhaust, NYB	EF-206	General	
M2-11	Level II	#266	variable	stand alone (Pheonix)	Exhaust, Strobic	EF-207	fume hood	VAV box or air valve - to be confirmed
M2-11	Level II	#207	variable	BAS	Supply	No.2	n/a	
M2-12	Level II	#245	constant	N/A	Exhaust, Strobic	EF-208	General, BSC	
M2-12	Level II	#208	variable	BAS	Supply	No.2	N/A	
M2-13	Level II	#241	variable	BAS	Exhaust, Strobic	EF-203	General, Old Canopy	Transfer air from lab M0-12
M2-13	Level II	#203	variable	BAS	Supply	No.2	N/A	
M2-14	Level II	#242	variable	BAS	Exhaust, NYB	EF-205	General	
M2-14	Level II	#204	variable	BAS	Supply	No.2	N/A	
M2-15	Level II	#240, 240A	variable	BAS	Exhaust, NYB	EF-202	General	

Lab ID	Containment Level	Air Flow Control Device I.D.	Constant or Variable air flow	Controller (BAS, Stand Alone, N/A)	Fan System Type	Fan System I.D.	Exhaust Equipment Served	Notes
M2-15	Level II	#265	variable	stand alone (Pheonix)	Exhaust, Strobic	EF-201	fume hood	VAV box or air valve - to be confirmed
M2-15	Level II	#201	variable	BAS	Supply	No.2	N/A	
M3 (autoclave)	Level III	#360	constant	stand alone (Pheonix)	Exhaust, Strobic	EF-313, EF-314	autoclave	
M3-03	Level III	#370	constant	stand alone (Pheonix)	Exhaust, Strobic	EF-319	BSC	
M3-03	Level III	#369, 369A	variable	stand alone (Pheonix)	Exhaust, Strobic	EF-319	General	
M3-03	Level III	#371	variable	stand alone (Pheonix)	Exhaust, Strobic	EF-320	fume hood	Hood flow constant or variable? to be confirmed
M3-03	Level III	#322	TBD	stand alone (Pheonix)	Supply	No.3	N/A	(some air to M3-04)
M3-06	Level III	#358	variable	stand alone (Pheonix)	Exhaust, Strobic	EF-313, EF-314	BSC	
M3-06	Level III	#327	TBD	stand alone (Pheonix)	Supply	No.3	N/A	constant or variable? to be confirmed
M3-07	Level III	#356	variable	stand alone (Pheonix)	Exhaust, Strobic	EF-313, EF-314	BSC	
M3-07	Level III	#325	TBD	stand alone (Pheonix)	Supply	No.3	N/A	constant or variable? to be confirmed
M3-08	Level III	#357	variable	stand alone (Pheonix)	Exhaust, Strobic	EF-313, EF-314	BSC	
M3-08	Level III	#315, 315A	TBD	stand alone (Pheonix)	Supply	No.3	N/A	constant or variable? to be confirmed
M3-26	Level III	#352	constant	stand alone (Pheonix)	Exhaust, Strobic	EF-309, EF-310	BSC	
M3-26	Level III	TBD	TBD	stand alone (Pheonix)	Supply	No.3	N/A	constant or variable? to be confirmed
M3-28	Level III	#353	variable	stand alone (Pheonix)	Exhaust, Strobic	EF-309, EF-310	General, Transfers	transfer from M3-25, M3-27, M3-30
M3-28	Level III	TBD	TBD	TBD	Supply	TBD	N/A	
M3-29	Level III	#351	constant	stand alone (Pheonix)	Exhaust, Strobic	EF-309, EF-310	BSC	
M3-29	Level III	#350	variable	stand alone (Pheonix)	Exhaust, Strobic	EF-309, EF-310	general	
M3-29	Level III	#311	TBD	stand alone (Pheonix)	Supply	No.3	N/A	constant or variable? to be confirmed

**General Notes**

1. This table provides an existing conditions list of HVAC systems serving some of the Level 1 lab spaces, all the Level 2 lab spaces and some of the level 3 lab spaces. Reference building as built drawings for complete HVAC equipment systems.

2. TBD = To be determined

