

## ADDENDUM



**To:** Baird Sampson Neuert  
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 Canada, M5V 1P9  
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**Attention:** Andrea Macecek  
**From:** Lucas Turrin

**No.:** M1  
**Date:** 12/12/2024  
**Project:** UTM PEB  
**Project No.:** 2023-0059

This Addendum shall be attached to the drawings and specifications and shall form an integral part of the Contract Documents. The contents of this Addendum shall be brought to the attention of all concerned.

1. **Referenced: M-800 – MECHANICAL SCHEDULES**
  - 1.1. Revised electric heater schedule equipment “BBH-1”. Revised length and capacity of electric baseboard heater.

End of Addendum



**VARIABLE REFRIGERANT FLOW (VRF) SCHEDULE**

INDOOR UNITS													OUTDOOR UNITS																	
TAG	LOCATION	MANUFACTURER	MODEL No.	FLOW RATE (L/S)	ESP (Pa)	COOLING CAPACITY (MBH)		HEATING CAPACITY (MBH)	MCA (A)	MOCP (A)	ELEC. (V/PH/Hz)	WEIGHT (KG)	FILTER	TAG	MANUFACTURER	MODEL No.	AMBIENT TEMPERATURE (°C)	COOLING CAPACITY (MBH)	AMBIENT TEMPERATURE (°C)	HEATING CAPACITY (MBH)	ELEC. (V/PH/Hz)	MCA (A)	MOP (A)	WEIGHT (KG)	BRANCH SELECTOR BOX	ELEC. (V/PH/Hz)	MCA (A)	REFRIGERANT	EMERGENCY POWER	REMARKS
						TOTAL	SENSIBLE																							
FC-1	OFFICE 109	DAIKIN	FXSQ09TBVJU	150	0.3	8.5	6.1	10.0	1.8	15	208/1/60	35.1	MERV 13	CU-1	DAIKIN	REYQ96AATJA	35	78.3	-20	73.2	208/3/60	34.1	35	325	BSF6Q54TVJ	208/1/60	0.6	R-410A	N	BACNET, VIBRATION ISOLATION HANGERS
FC-2	FORENSIC TEACHING CLASSROOM 104	DAIKIN	FXSQ18TBVJU	300	0.3	15.7	12.0	19.3	1.9	15	208/1/60	35.1	MERV 13															R-410A	N	BACNET, VIBRATION ISOLATION HANGERS
FC-3	FORENSIC TEACHING CLASSROOM 104	DAIKIN	FXSQ18TBVJU	300	0.3	15.7	12.0	19.3	1.9	15	208/1/60	35.1	MERV 13															R-410A	N	BACNET, VIBRATION ISOLATION HANGERS
FC-4	FORENSIC GARAGE 105	DAIKIN	FXSQ12TBVJU	160	0.3	10.5	8.4	13.2	1.8	15	208/1/60	35.1	MERV 13															R-410A	N	BACNET, VIBRATION ISOLATION HANGERS
FC-5	TEACHING LAB 108	DAIKIN	FXSQ15TBVJU	250	0.3	13.1	10.0	16.4	1.8	15	208/1/60	35.1	MERV 13															R-410A	N	BACNET, VIBRATION ISOLATION HANGERS
FC-6	LOUNGE 103	DAIKIN	FXSQ24TBVJU	350	0.3	21.1	15.2	26.0	1.9	15	208/1/60	37.5	MERV 13															R-410A	N	BACNET, VIBRATION ISOLATION HANGERS
FC-7	AV. GRAD OFFICE 110	DAIKIN	FXSQ12TBVJU	160	0.3	10.5	8.4	13.2	1.8	15	208/1/60	35.1	MERV 13															R-410A	N	BACNET, VIBRATION ISOLATION HANGERS
FC-8	FLEX OFFICE 112	DAIKIN	FXSQ12TBVJU	160	0.3	10.5	8.4	13.2	1.8	15	208/1/60	35.1	MERV 13															R-410A	N	BACNET, VIBRATION ISOLATION HANGERS
FC-9	MULTIPURPOSE SPACE 114	DAIKIN	FXSQ24TBVJU	350	0.3	21.1	15.2	26.0	1.9	15	208/1/60	37.5	MERV 13															R-410A	N	BACNET, VIBRATION ISOLATION HANGERS
FC-10	DRONE RESEARCH LAB 115	DAIKIN	FXSQ30TBVJU	515	0.3	26.4	19.8	32.7	3.0	15	208/1/60	46.1	MERV 13															R-410A	N	BACNET, VIBRATION ISOLATION HANGERS
FC-11	AV GARAGE 111	DAIKIN	FXSQ12TBVJU	160	0.3	10.5	8.4	13.2	1.8	15	208/1/60	35.1	MERV 13															R-410A	N	BACNET, VIBRATION ISOLATION HANGERS
FC-12	FLEX GARAGE 113	DAIKIN	FXSQ12TBVJU	160	0.3	10.5	8.4	13.2	1.8	15	208/1/60	35.1	MERV 13															R-410A	N	BACNET, VIBRATION ISOLATION HANGERS

NOTES: PROVIDE INDIVIDUAL POWER CONNECTIONS FOR EACH INDOOR AND OUTDOOR UNIT.  
APPROVED ALTERNATES: LG, MITS, YORK (JC)

**VARIABLE AIR VOLUME BOX SCHEDULE**

TAG	MANUFACTURER	MODEL No.	INLET SIZE (MM)	FLOW (L/S)		REMARKS
				DESIGN MIN	DESIGN MAX	
VAV-1	EH PRICE	SDV-8000	100	10	20	CONNECT TO BAS
VAV-2	EH PRICE	SDV-8000	200	80	245	CONNECT TO BAS
VAV-4	EH PRICE	SDV-8000	100	10	30	CONNECT TO BAS
VAV-5	EH PRICE	SDV-8000	150	40	125	CONNECT TO BAS
VAV-6	EH PRICE	SDV-8000	100	15	45	CONNECT TO BAS
VAV-7	EH PRICE	SDV-8000	100	15	45	CONNECT TO BAS
VAV-8	EH PRICE	SDV-8000	100	15	45	CONNECT TO BAS
VAV-9	EH PRICE	SDV-8000	150	40	125	CONNECT TO BAS
VAV-10	EH PRICE	SDV-8000	150	30	90	CONNECT TO BAS
VAV-11	EH PRICE	SDV-8000	100	15	40	CONNECT TO BAS
VAV-12	EH PRICE	SDV-8000	100	15	40	CONNECT TO BAS
VAV-13	EH PRICE	SDV-8000	100	10	20	CONNECT TO BAS

NOTES:

**DI WATER SYSTEM**

DI-1  
PROVIDE MILL-DI SYSTEM, RESISTIVITY > 1 MΩ·CM @ 25°C, FLOW RATE 0.5 L/MIN TO 0.7 L/MIN, BATTERY POWERED. FOR FAUCET REFER TO ARCHITECTURAL SPECIFICATIONS  
APPROVED ALTERNATE: THERMAL SCIENTIFIC "B-PURE WATER PURIFICATION SYSTEM"

No.	ISSUANCE	DATE
1	ISSUED FOR DESIGN DEVELOPMENT	01/03/2024
2	ISSUED FOR PERMIT	13/09/2024
3	ISSUED FOR TENDER	26/11/2024
4	ISSUED FOR ADD-M1	12/12/2024

**DISCLAIMER:**  
**NOT FOR CONSTRUCTION**



**ELECTRIC HEATER SCHEDULE**

TAG	MANUFACTURER	MODEL No.	ARRANGEMENT	HEATING CAPACITY (kW)	ELEC. (V/PH/Hz)	LENGTH (INCHES)	REMARKS
CFH-1	OUELLET	OACP2008	CEILING FAN HEATER	2	208/1/60	-	REMOTE THERMOSTAT, CONTROL RELAY
BBH-1	RUNTAL	EB3-208D	BASEBOARD HEATER	0.879	208/1/60	72	LINE VOLTAGE WALL THERMOSTAT, SEPARATE PRICE
EH-1	GREENGLASS	100E	DUCT HEATER	12	208/3/60	-	SCR CONTROL, AIRFLOW SWITCH, DUCT THERMOSTAT, SIZE TO MATCH DUCT SIZE

NOTES:

**EXPANSION TANK SCHEDULE**

TAG	SERVICE	LOCATION	MANUFACTURER	MODEL No.	ACCEPTANCE VOLUME (L)	TEMPERATURE (°C)		PRE-CHARGED PRESSURE (kPa)	FLUID	DIMENSIONS (MM)		PRESSURE RATING (kPa)	WEIGHT (KG)	REMARKS
						MIN	MAX			D	H			
ET-1	DOMESTIC COLD WATER	M&E ROOM 121	WATTS	PLT-20	27	4.44	26.6	140	WATER	320	500	1034	7	BLADDER TANK
ET-2	DOMESTIC HOT WATER	M&E ROOM 201	WATTS	PLT-5	5.6	4.44	26.6	140	WATER	200	325	1034	3	BLADDER TANK

NOTES:

**ELECTRIC UNIT HEATER SCHEDULE**

TAG	MANUFACTURER	MODEL No.	HEATER SPECIFICATIONS					REMARKS
			AIR FLOW (CFM)	CAPACITY (kW)	MOTOR (HP)	ELEC. (V/PH/Hz)	WEIGHT (KG)	
UH-1	OUELLET	OAS10008AM	700	10	1/30	208/1/60	20	24V RELAY FOR REMOTE THERMOSTAT
UH-2	OUELLET	OAS05008AM	700	5	1/30	208/1/60	20	24V RELAY FOR REMOTE THERMOSTAT

NOTES:

**SUPPLY FAN SCHEDULE**

TAG	FAN TYPE CLASS	MANUFACTURER	MODEL No.	AIR FLOW (L/S)	FAN SPEED (RPM)	ESP (Pa)	MOTOR SIZE (HP)	ELEC. (V/PH/Hz)	VFD/STARTER	WEIGHT (KG)	EMERGENCY OR NORMAL POWER	LOCAL OR BAS CONTROL	MAXIMUM FAN SOUND POWER LEVEL OF SPECIFIED EQUIPMENT MAX. PWL IN DB RE 10W <sup>-12</sup>								REMARKS
													ACTIVE BAND INLET SOUND POWER LABEL								
													63	125	250	500	1000	2000	4000	8000	
SF-1	IN-LINE	PENNBARRY	SQX122-0541GP	400	1684	100	0.5	120/1/60		35	N		73	71	72	66	64	71	62	56	VIBRATION ISOLATION HANGERS, INTERLOCKED WITH FUME HOOD EXHAUST

NOTES:

CLIENT  
UNIVERSITY OF TORONTO MISSISSAUGA

PROJECT  
PRE-ENGINEERED BUILDING

3359 MISSISSAUGA ROAD

TITLE  
MECHANICAL SCHEDULES



SEAL

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SCALE	DATE	PROJECT NO.	DRAWN BY	CHECKED BY
N.T.S.	FEB 2024	2023-0059	LT	MS

M800