

## ADDENDUM



<b>To:</b>	ATA Architects Inc. 211 Lakeshore Road East Oakville, Ontario L6J 1H7	<b>No.:</b>	<b>ADD-M02</b>
<b>Fax/Email:</b>	mark@ataarchitectsinc.com	<b>Date:</b>	October 22, 2024
<b>Attention:</b>	Mark Driedger	<b>Project:</b>	Fire Hall 7-1 835 Clark Ave. W., Vaughan, ON
<b>From:</b>	Cassandra Kani-Sanchez	<b>Project No.:</b>	<b>2021-0158</b>

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. **Drawings**

1.1. Drawing M-801 – Mechanical Equipment Schedules I (drawing re-issued)

- 1.1.1. Revised Schedule. RTU-1 selection updated as previous selection is no longer available due to regulations requiring the use of low GWP refrigerants.

End of Addendum

SEAL:



**ROOFTOP UNIT SCHEDULE**

TAG	SERVICE	LOCATION	MANUFACTURER	MODEL No.	SUPPLY FAN							RETURN FAN					COOLING - DX COIL								
					AIR FLOW (L/S)	O/A (L/S)	ESP (Pa)	SPEED (RPM)	MOTOR POWER (HP)	BHP (HP)	VFD/ STARTER	AIR FLOW (L/S)	ESP (Pa)	SPEED (RPM)	MOTOR POWER (HP)	BHP (HP)	VFD	SENSIBLE COOLING (kW)	TOTAL COOLING (kW)	EER	IEER	EAT (°C)		LAT (°C)	
RTU-1	GENERAL BUILDING	ROOF	DAIKIN	DPSC12B	2124	425	821	2135	7	3.61	VFD	2124	42.3	1523	2.4	1.01	VFD	33.36	42.69	11.5	18.4	25.6	18.2	12.1	12.0
RTU-2	APPARATUS BAY	ROOF	MODINE	HP100	3210	3210	240	1800	6	4.54	VFD	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

  

HEATING - NATURAL GAS				ELECTRICAL DATA			FILTERS	WEIGHT (KG)	REFRIGERANT	EMERGENCY OR NORMAL POWER	REMARKS	
HEATING INPUT (kW)	HEATING OUTPUT (kW)	EAT (°C)	LAT (°C)	GAS PRESSURE REQUIREMENT (kPa)	ELEC. (V/PH/Hz)	MCA (A)						MOP (A)
87.8	71.2	5.61	33.3	1.25-3.5	208/3/60	100.5	150	COMBO RACK-2" MERV8 & 4" MERV14 FROM FACTORY	1076	R-32	NORMAL	MODULATING GAS REHEAT WITH FIELD PROVIDED HUMIDITY SENSOR 0-100% ECONOMIZER WITH COMPARATIVE ENTHALPY CONTROL.
205	168	-22	18.3	1.25-3.5	208/3/60	23.7	40	MERV 8	180	N/A	NORMAL	INDIRECT GAS FIRED HEATING. ELECTRONIC GAS MODULATION WITH MODINE CONTROL SYSTEM.

NOTES: SINGLE POINT POWER CONNECTION.

**EXHAUST FAN SCHEDULE**

TAG	SERVICE	LOCATION	MANUFACTURER	MODEL No.	AIR FLOW (L/S)	FAN SPEED (RPM)	ESP (kPa)	MOTOR SIZE (HP)	BHP (HP)	ELEC. (V/PH/Hz)	VFD / STARTER	WHEEL DIAMETER (MM)	WEIGHT (KG)	EMERGENCY OR NORMAL POWER	LOCAL OR BAS CONTROL	MAXIMUM FAN SOUND POWER LEVEL OF SPECIFIED EQUIPMENT MAX. PWL IN DB RE 10W*(-12)								REMARKS							
																ACTIVE BAND INLET SOUND POWER LABEL															
																63	125	250	500	1000	2000	4000	8000								
EF-1	HOSE TOWER	HOSE TOWER ROOF	COOK	100C3B	368	1731	0.125	1/4	0.175	115/1/60	VFD	425	21.3	NORMAL	BAS	71	72	76	71	65	62	56	52								
EF-2	DRYER EXHAUST	GROUND FLOOR	REVERSOMATIC	TLD-300	94	2550	0.125	-	-	115/1/60	STARTER	-	-	-	BAS	-	-	-	-	-	-	-	-	-	INTERLOCKED WITH DRYER						
EF-3	KITCHEN EXHAUST	HIGH ROOF	COOK	165VX15D	236	1063	0.187	1/3	0.116	115/1/60	VFD	600	41.3	NORMAL	BAS	63	66	64	59	57	55	52	47	KITCHEN HOOD BY OTHERS							
EF-4	APPARATUS BAY EXHAUST	LOW ROOF	COOK	270C9B	3210	676	0.149	2	1.59	208/3/60	VFD	-	109	NORMAL	BAS	81	82	78	73	69	64	59	55	C/W SPEED CONTROLLER AND CAGE							
EF-5	SANITARY EXHAUST	HIGH ROOF	COOK	165RX7B	605	1725	0.398	1	0.73	208/3/60	STARTER	-	68	NORMAL	BAS	73	79	83	79	73	70	69	65								
DF	DESTRATIFICATION FAN	APPARATUS BAY	COOK	18-CAC-LTE	2171	1660	-	1/8	-	115/1/60	STARTER	450	9	NORMAL	BAS	-	-	-	-	-	-	-	-	-	C/W SPEED CONTROLLER AND CAGE						

NOTES:

**HEATING BOILER SCHEDULE**

TAG	SERVICE	LOCATION	MANUFACTURER	MODEL No.	FUEL TYPE	INPUT (kW)	HEAT OUTPUT (kW)	FLOW RATE (L/S)	PRESS. DROP (kPa)	EWT (°C)	LWT (°C)	GAS PRESSURE (kPa)	BOILER VENT CONNECTION SIZE (MM)	WEIGHT (KG)	ELEC. (V/PH/Hz)	MCA (A)	MOP (A)	EFF. %	REMARKS
B-1	HYDRONIC LOOP	LEVEL 1 MECH ROOM	VISSMANN	100-W B2HE-85	NATURAL GAS	25	23.4	0.29	15.6	32.2	51.7	3.48	75	53	120/1/60	15	X	94.4	C/W INTEGRATED BOILER PRIMARY PUMP BP-1

NOTES:

**CABINET UNIT HEATER SCHEDULE**

TAG	SERVICE	MANUFACTURER	MODEL No.	HEATING WATER				SUPPLY FAN				ELECTRICAL DATA		WEIGHT (KG)	REMARKS		
				CAPACITY (kW)	FLOW (L/S)	PRESS. DROP (kPa)	EWT (°C)	LWT (°C)	AIR FLOW (L/S)	EAT (°C)	LAT (°C)	MOTOR (kW)	BHP (kW)			ELEC. (V/PH/Hz)	MCA (A)
CUH-1	2ND FLOOR EXIT STAIR	SIGMA	SFF-A-02	1.49	0.0189	0.057	52	32.2	103.9	15.6	27.4	0.075	-	120/1/60	-	34	-
CUH-2	2ND FLOOR CORRIDOR	SIGMA	SFF-A-03	3.11	0.040	0.35	52	32.2	141.6	15.6	33.7	0.075	-	120/1/60	-	57	-
CUH-3	2ND FLOOR WASHROOM	SIGMA	SFF-A-02	1.49	0.0189	0.057	52	32.2	103.9	15.6	27.4	0.075	-	120/1/60	-	34	-

NOTES:

13	2024/10/22	ISSUED FOR ADD-M02
12	2024/08/21	ISSUED FOR TENDER
11	2024/06/19	RE-ISSUED FOR CLASS A COSTING
10	2024/05/31	ISSUED FOR CLASS A COSTING
9	2024/04/22	RE-ISSUED FOR CLASS B COSTING
8	2024/03/15	ISSUED FOR CLASS B COSTING
7	2024/03/01	ISSUED FOR TENDER DRAFT
6	2024/01/23	ISSUED FOR PERMIT COMMENTS
5	2023/11/28	ISSUED FOR TENDER PACKAGE 100% REVIEW SET
4	2023/09/18	ISSUED FOR PERMIT
3	2023/04/17	ISSUED FOR CLASS A COSTING
2	2022/09/09	ISSUED FOR 60% CD
1	2022/07/12	ISSUED FOR 30% CD
No.	DATE	REMARK

**REVISION TABLE**

CONTRACTOR IS TO CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS ON THE PROJECT AND REPORT ANY DISCREPANCIES TO THE ARCHITECT BEFORE PROCEEDING WITH THE WORK. DRAWINGS ARE NOT TO BE SCALED.

CONTRACT DOCUMENTS ARE THE COPYRIGHT OF THE CONSULTANTS AND SHALL NOT BE USED OR REPRODUCED WITHOUT AUTHORIZATION. DOCUMENTS ARE TO BE RETURNED UPON COMPLETION OF THE PROJECT.

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**PROJECT**  
 FIRE STATION 7-1  
 FACILITY RENEWAL

835 CLARK AVENUE WEST  
 THORNHILL, ONTARIO

**DRAWING**  
 MECHANICAL EQUIPMENT  
 SCHEDULES I

**DRAWN**  
 CAD

**SCALE**  
 N.T.S.

**DATE**  
 JULY 2022

**CHECKED**  
 CKS

**PROJECT**  
 2021-01-58

**DRAWING**

**M801**