

ADDENDUM



To: ATA Architects Inc.
211 Lakeshore Road East
Oakville, Ontario L6J 1H7

Fax/Email: mark@ataarchitectsinc.com

Attention: Mark Driedger

From: Cassandra Kani-Sanchez

No.: ADD-M02

Date: October 22, 2024

Project: Fire Hall 7-1 835 Clark Ave. W., Vaughan, ON

Project No.: 2021-0158

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



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)	
																						DB	WB	DB	WB
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	HEP700	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																
205	168	-22	18.3	1.25-3.5			208/3/60	23.7	40	1076			R-32	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-UTE	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.

ATA ARCHITECTS

ATA ARCHITECTS INC.
OAKVILLE OFFICE:
211 LAKESHORE ROAD EAST,
OAKVILLE ONTARIO L6J 1H7
T 905 849 6986
E admin@ataarchitectsinc.com
www.ataarchitectsinc.ca



SEALS



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