

SUPPLY & DELIVERY OF HVAC EQUIPMENT

OLD HIGH SCHOOL

548 BROADWAY, EVERETT, MA 02149



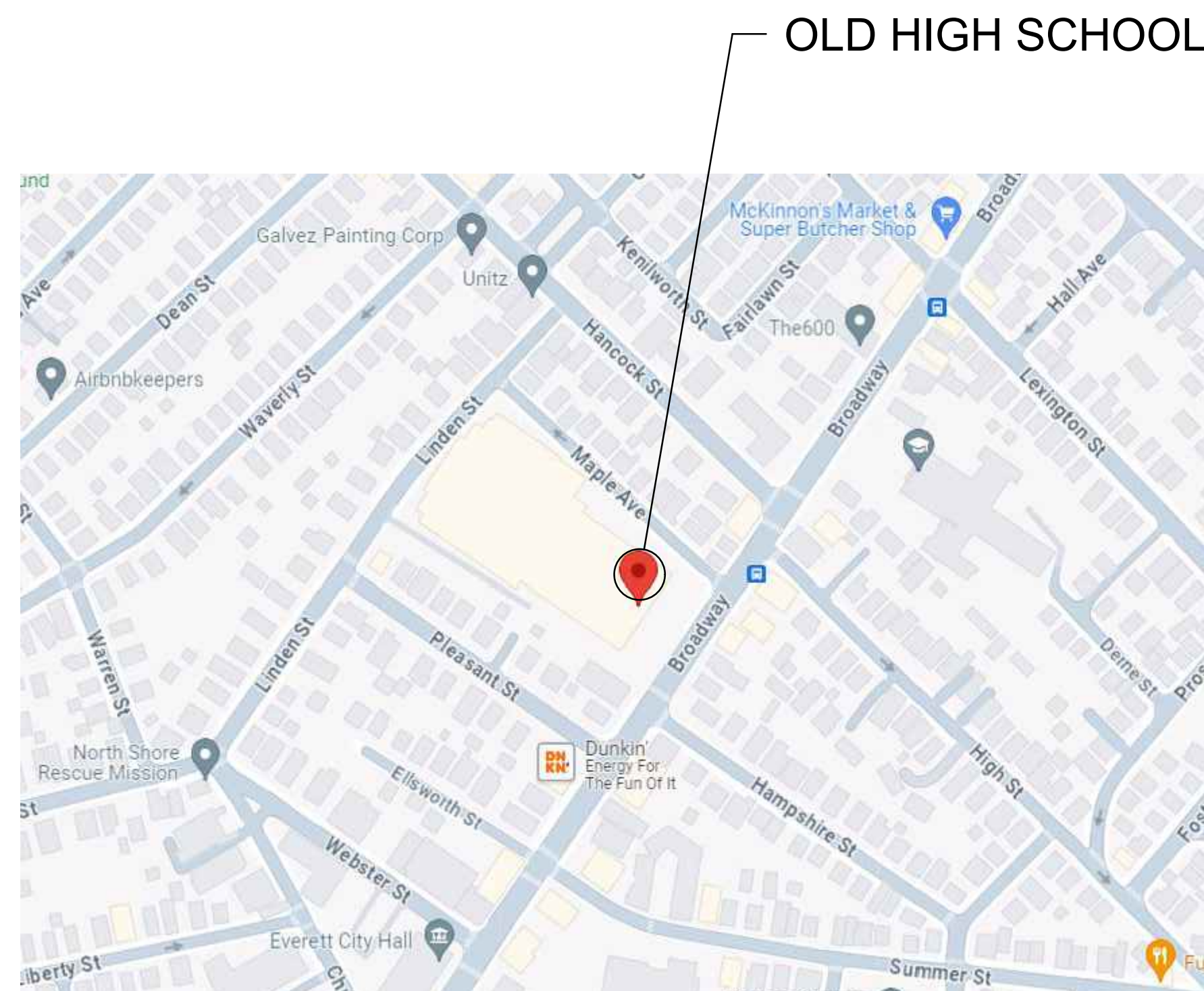
CITY OF EVERETT PROCUREMENT OFFICE

484 BROADWAY,
EVERETT, MA 02149

MECHANICAL ENGINEER

C.A. CROWLEY ENGINEERING, INC.
645 COUNTY ST., UNIT 6,
TAUNTON, MA 02780.
TELEPHONE NO. (508) 884-5094

AUGUST 20, 2024



548 BROADWAY, EVERETT, MA - LOCUS PLAN

LIST OF DRAWINGS

T-1	T-1	TITLE SHEET
	M-2.01	MECHANICAL - LEGEND, SCHEDULES AND FLOOR PLAN
	M-2.02	MECHANICAL - SCHEDULES

DEDICATED OUTDOOR AIR SYSTEMS SCHEDULE

ITEM NO.	MODEL	SERVICE	SUPPLY FAN						RETURN/EXHAUST FAN				ENERGY WHEEL SUMMER			COOLING SECTION				HOT GAS REHEAT				ENERGY WHEEL WINTER				HEATING (HEAT PUMP)				HEATING (ELECTRIC)				ENERGY WHEEL			CONDENSER FANS			ELECTRICAL			WEIGHT (LBS)	REMARKS		
			CFM	O.A. CFM	ESP	QTY	HP	RPM	CFM	QTY	ESP	HP	RPM	EAT	LAT	TOTAL MBH	TOT.MBH	SEN.MBH	EOB	EWB	LWB	EAT	LAT	EAT	LAT	SENS	MBH	MBH OUT	EAT	LAT	RW	MBH OUT	EAT	LAT	TURN DN	QTY	HP	FLA	QTY	HP	FLA	QTY	HP	FLA			V	PH
DOAS-1-1	RNA-007-A-A-3-HJAJA-A02NA	EXISTING 1ST FLOOR ADMIN WING	1,500	1,500	2.0	1	3.0	1760	1,380	1	1.5	2.0	1760	88/74	79.1/66.5	42.0	68.2	42.7	79.1	66.5	49.5	49.3	49.5	75.0	0	45.4	76.8	32.6	45.4	63.0	20	68.2	45.4	87.3	SCR	0.05	0.3	1	0.33	1.1	1	460	3	60	41	50	1,600	①②③④

BASED ON AAOB ① SINGLE POINT ELECTRICAL CONNECTION. ② PACKAGED HEAT PUMP w/AUXILIARY ELECTRIC HEAT. ③ PROVIDE ECONOMIZER CONTROLS. ④ PROVIDE MERV 13 FILTERS.

PACKAGED HEAT PUMP ROOFTOP UNIT w/ENERGY RECOVERY SCHEDULE

ITEM NO.	MODEL	SERVICE	SUPPLY FAN						RETURN/EXHAUST FAN				ENERGY WHEEL SUMMER			COOLING SECTION				HOT GAS REHEAT				ENERGY WHEEL WINTER				HEATING (HEAT PUMP)				HEATING (ELECTRIC)				ENERGY WHEEL			CONDENSER FANS			ELECTRICAL			WEIGHT (LBS)	REMARKS	ROOFTOP UNIT ASHRAE 62.1							
			CFM	O.A. CFM	ESP	QTY	HP	RPM	CFM	QTY	ESP	HP	RPM	EAT	LAT	TOTAL MBH	TOT.MBH	SEN.MBH	EOB	EWB	LWB	EAT	LAT	EAT	LAT	SENS	MBH	MBH OUT	EAT	LAT	RW	MBH OUT	EAT	LAT	TURN DN	QTY	HP	FLA	QTY	HP	FLA	V	PH	HZ			MCA	MOCP	ROOM CLASSIFICATION	OCCUPANCY	VENTILATION RATE	VENTILATION REQUIRED (CFM)	VENTILATION AIRFLOW (CFM)	EXHAUST AIRFLOW (CFM)
RTU-1	RNA-026-D-A-3-HJBJC-A02NA	PUBLIC GYM	8,000	6,000	3.5	1	15	1170	8,000	1	1.5	7.5	1760	88/74	77.6/65.1	183.9	298.7	203.5	77.0	64.4	49.6	49.5	64.4	70.9	0	54.1	338.9	142.8	58.1	72.9	80.0	273.0	58.1	89.5	SCR	2	0.17	0.6	4	0.75	1.8	460	3	60	153	175	7,050	①②③④	GYM		20	5,950	6,000	6,000

BASED ON AAOB ① SINGLE POINT ELECTRICAL CONNECTION. ② PACKAGED HEAT PUMP w/AUXILIARY ELECTRIC HEAT. ③ PROVIDE ECONOMIZER CONTROLS. ④ PROVIDE MERV 13 FILTERS.

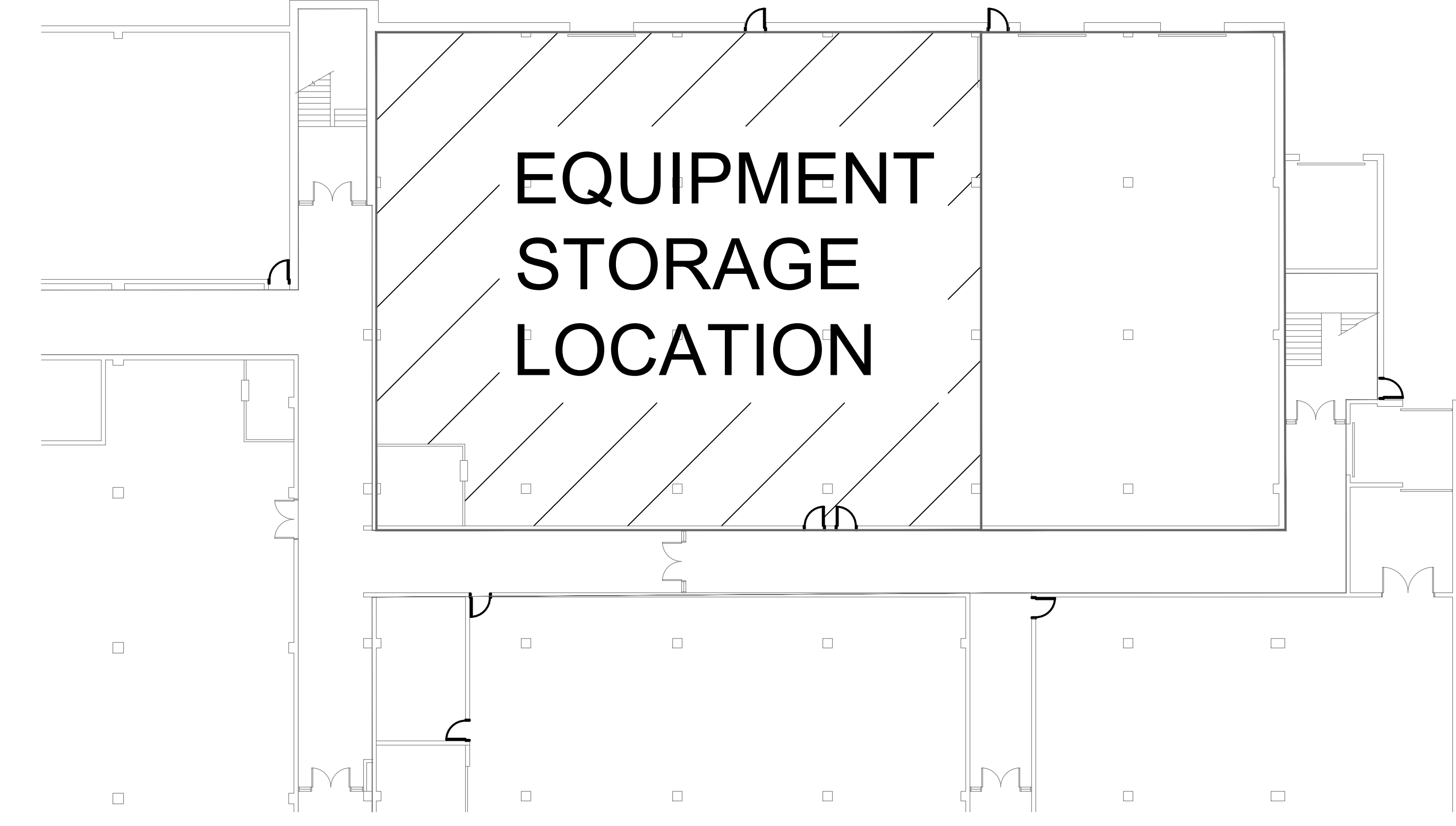
DRIVEWAY

LINDEN ST

OUTDOOR AIR COOLED CONDENSING UNIT SCHEDULE

ITEM NO.	SERVING	MODEL	COOLING CAP. TOTAL MBH	HEATING CAP. MBH	EER/EEER	COMPRESSOR QTY	ELECTRICAL			MCA	MAX CIRC. BREAK	WEIGHT LBS	REMARKS
							V	PH	HZ				
OU 1-1	FIRST FLOOR	ARUM168DTE5	180	163	10.4/18.3	2	460	3	60	28.5	35	700	R410A ①②③

NOTE: EQUIPMENT SHALL PROVIDE THE SCHEDULED HEATING CAPACITIES AT 0°F AMBIENT CONDITIONS.
 BASED ON L.C. ① PROVIDE AMBIENT CONTROLS AND ASSOCIATED REQUIRED ACCESSORIES. ② PROVIDE HAIL GAUD RECOMMENDED BY THE MANUFACTURER. ③ PROVIDE 24" HIGH MOUNTING STAND.
 ④ TWO MODULES. EACH INDIVIDUAL MODULE REQUIRES A SEPARATE ELECTRICAL CONNECTION. PROVIDE TWINNING KIT AS RECOMMENDED BY MANUFACTURER.



GROUND FLOOR PARTIAL PLAN - EQUIPMENT STORAGE LOCATION
 SCALE: 1/16" = 1'-0"

LEGEND

- GC GENERAL CONTRACTOR
- HVAC HEATING, VENTILATING & AIR CONDITIONING
- DOAS DEDICATED OUTDOOR AIR SYSTEM
- RTU ROOFTOP UNIT
- IU INDOOR UNIT - VRF
- OU OUTDOOR UNIT - VRF
- VAV VAV TERMINAL UNIT

<table border="1"> <thead> <tr> <th>REVISION DATES</th> </tr> </thead> <tbody> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> <tr><td> </td></tr> </tbody> </table>	REVISION DATES										OLD HIGH SCHOOL 548 BROADWAY, EVERETT, MA SUPPLY & DELIVERY OF HVAC EQUIPMENT MECHANICAL - LEGEND, SCHEDULES AND FLOOR PLAN	STAMP DATE: 08/19/2024 SCALE: AS SHOWN DRAWN BY: YC CHECKED BY: RA PROJECT NO. 24051.00
REVISION DATES												
c.a. crowley. ENGINEERING, INC. 645 County Street, Suite 6 Taunton, MA 02780 tel. (508) 884-5094 WWW.CROWLEYENG.COM fax. (508) 884-5099		DRAWING NUMBER M2.01										

