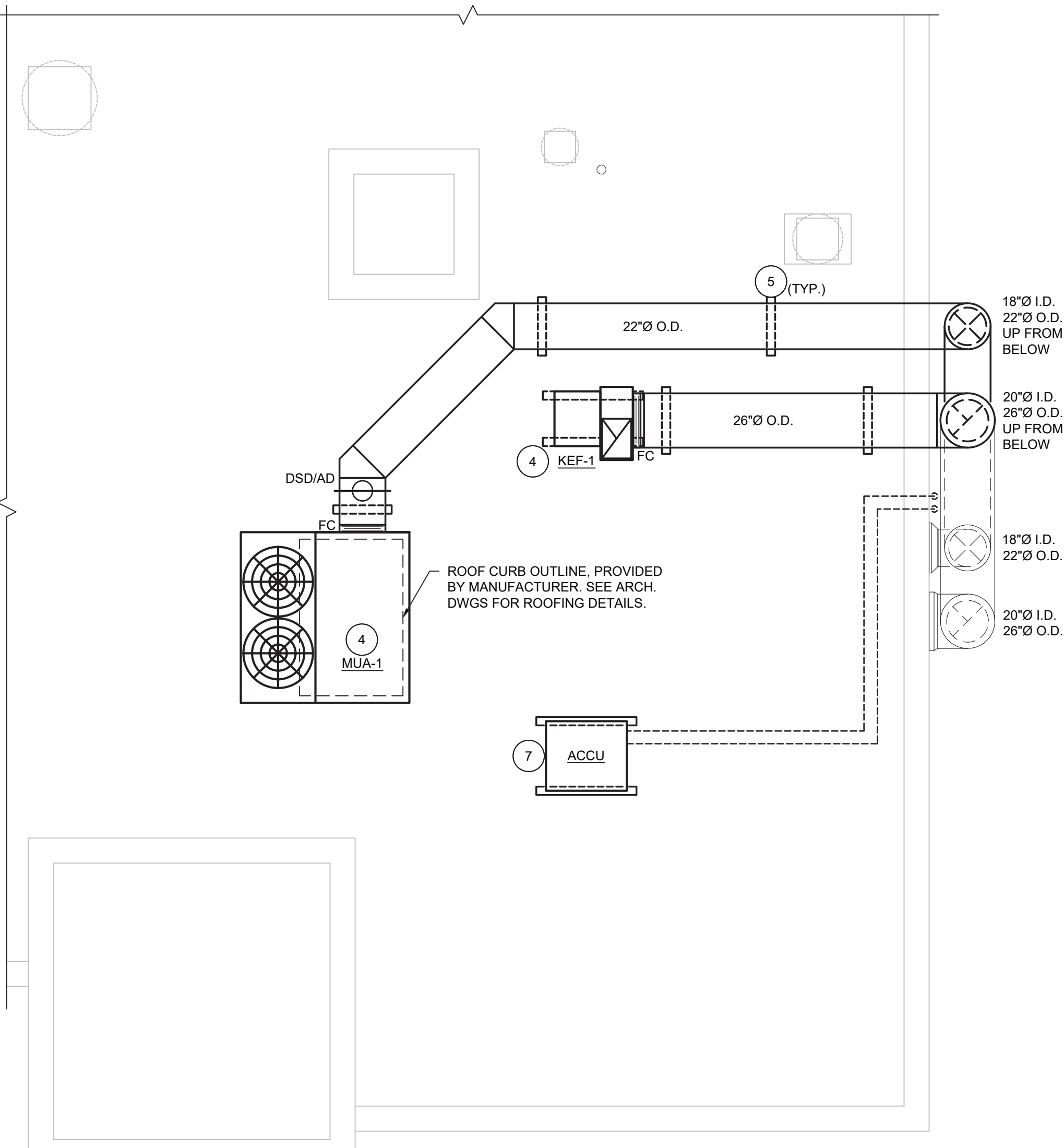


1
M2.01
1/4" = 1'-0"
Proposed Kitchen Mechanical Floor Plan
PARTIAL LOWER LEVEL FLOOR PLAN
NORTH



2
M2.01
1/4" = 1'-0"
Proposed Mechanical Roof Plan
PARTIAL LOWER LEVEL FLOOR PLAN
NORTH

Construction Key Notes

SYMBOL INDICATES CONSTRUCTION KEY NOTE

1. NEW 3-WAY DDC CONTROL VALVE SHALL BE TIED INTO THE EXISTING BMS.
2. PROVIDE NEW FCU-1 WITH SECONDARY DRAIN PAN AND CONNECT DRAIN PAN OUTLET TO EXISTING CONDENSATE LINE. PROVIDE HANGERS & VIBRATION ISOLATORS FOR FCU-1 AND EDH-1 TO BE SUPPORTED BY THE BUILDING STRUCTURE.
3. PROVIDE DUCT MANUFACTURER'S CLEAN OUT AT BOTTOM OF DUCT.
4. REFER TO DRAWING M6.02 AND M6.03 FOR UNIT INFORMATION.
5. DUCT SUPPORTS, MAXIMUM SPACING SHALL BE 10'.
6. DUCTWORK SHALL BE ROUTED BETWEEN WINDOWS. SEE A3.01 FOR EXTERIOR ELEVATION. CUSTOM COLOR DUCTWORK TO BE SELECTED BY ARCH/ENGINEER FROM MANUFACTURER'S FULL RANGE OF COLOR DURING SUBMITTAL PHASE OF CONSTRUCTION.
7. WALK-IN FREEZER REMOTE COMPRESSOR/CONDENSER. SEE FOOD SERVICE DWG FS-7 FOR UNIT SPECIFICATIONS. REFRIGERANT PIPING TO BE ROUTED ON THE ROOF AND DOWN EXTERIOR WALL. PROVIDE PIPE COVER ON EXTERIOR WALL AND PAINT PER THE OWNER'S COLOR SELECTION.
8. WALK-IN FREEZER REFRIGERANT PIPING TO FREEZER EVAPORATOR.

General Notes

1. MECHANICAL CONTRACTOR SHALL REVIEW THE FOOD SERVICE DRAWINGS ("FS.X") AND IS RESPONSIBLE FOR ALL WORK ITEMS CALLED AS BEING BY THE MECHANICAL CONTRACTOR OR "MC" EVEN IF NOT INDICATED ON THE M2.XX DWGS.
2. REFER TO DRAWINGS M6.02 AND M6.03 FOR KEF-1 AND MUA-1 SCHEDULES.
3. REFER TO SPECIFICATION 230993 FOR EF-1 SEQUENCE OF OPERATIONS.

VENTILATION TABLE

Unit Served	Room No.	Room Name	Floor Area (Sq. Ft.)	Occupancy Classification	Required O.A. per Sq. Ft.	Required O.A. For Space	No. of People	Required O.A. per Person	Required OA For Occupants	Total Min. O.A. Required (CFM)	Zone Air Distribution Effectiveness	Zone Min. O.A. Required (CFM)	Design O.A. (CFM)	E.A. (CFM)
MAU-1	1	KITCHEN	565	KITCHEN	0.12	68	12	8	90	158	0.8	197	197	396
	2	CORRIDOR	52	CORRIDOR	0.06	3	0	0	0	3	0.8	4	4	-

MAKE-UP AIR FAN COIL UNIT SCHEDULE

(DAIKIN AS STANDARD)

TAG	AREA SERVED	CFM	MIN O.A. (CFM)	ESP (In. H ₂ O)	ELECTRIC PRE-HEAT DUCT HEATER					CHILLED WATER COOLING										HOT WATER HEATING					ELECTRICAL DATA			DIMENSIONS (L x W x H) (In.)	APPROX. WEIGHT (Lbs)	MODEL	MANUFACTURER	NOTES			
					TAG	CAPACITY (KW)	V - Ph - Hz	MCA/MOP	CONTROLS	MANUF. & MODEL	TMBH	SMBH	EADB (°F)	EAWB (°F)	LADB (°F)	LAWB (°F)	EWIT (°F)	LWT (°F)	GPM	WPD (Ft)	MBH	EAT (°F)	LAT (°F)	EWIT (°F)	LWT (°F)	GPM	WPD (Ft)						V - Ph - Hz	MCA	FAN HP/BHP
FCU-1	KITCHEN #001	425	425	0.50	EDH-1	5	208 - 1 - 60	30/35	SCR W/ THERMOSTAT & SENSOR	RENEWAIRE EK-1818005SC CHR-21-1SV-N	14.3	11.6	95	75	71.4	66.6	45	55	2.9	3.28	55.1	0	112	180	160	5.9	10.14	208 - 1 - 60	3.6	0.33 / 0.09	43 x 24 x 18	193	BCHD0061	DAIKIN	SEE NOTE(S) BELOW

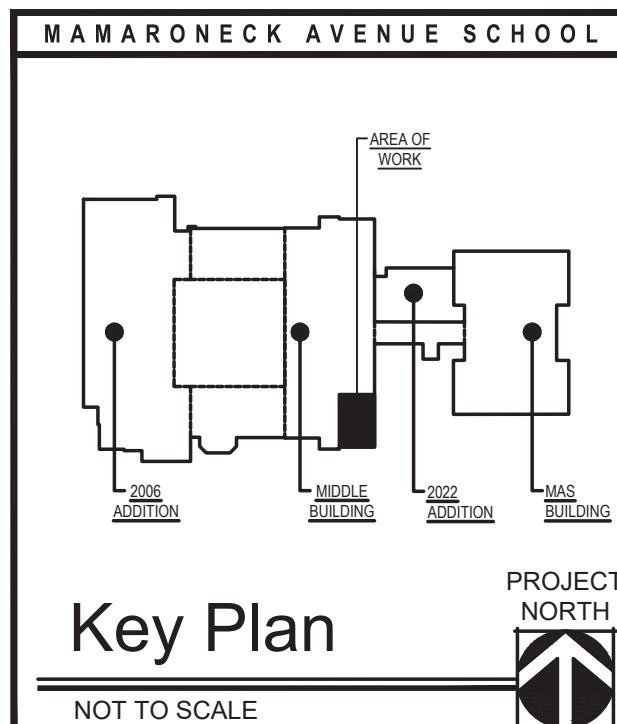
NOTES:
1. BASED ON 30% PROPYLENE GLYCOL IN HOT WATER SYSTEM.
2. CONNECT BOTH FCU-1 AND EDH-1 TO EXISTING BMS.

GENERAL VENTILATION EXHAUST FAN SCHEDULE

(GREENHECK AS STANDARD)

TAG	LOCATION	AREA SERVED	CFM	STATIC PRESSURE LOSS (IN)	ELECTRICAL DATA				DIMENSIONS (LxWxH) (In.)	APPROX. WEIGHT (Lbs)	MODEL	MANUFACTURER	NOTES
					FLA	BHP	RPM	V / Ph / Hz					
EF-1	KITCHEN #001	KTCHEN #001	425	0.25	0.9	0.06	1,093	208 / 1 / 60	12 X 14 X 11	24	CSP-A390-VG	GREENHECK	SEE NOTE(S) BELOW

NOTES: PROVIDE BACKDRAFT DAMPER, EXHAUST LOUVER WITH BIRDSCREEN AND DISCONNECT SWITCH. TIE NEW FAN INTO EXISTING BMS.



Date 12/20/22
Checked MAM
Drawn JPD
MICHAEL J. MCGOVERN, R.A.
REGISTERED ARCHITECT
License No. 022257-1

Revisions:
08/02/23
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NYSED PROJECT # 66-07-01-03-0-004-033

PROPOSED KITCHEN & ROOF PLAN
NEW KITCHEN DESIGN
MAMARONECK AVENUE SCHOOL
850 MAMARONECK AVENUE
MAMARONECK, NEW YORK 10543

Job No. 4.1092.85
File No. 109285M201

M2.01