

2022 CAPITAL BOND PROJECT
PHASE 2

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$$\overline{1/8'' = 1'-0''}$$

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$$\overline{1/8'' = 1'-0''}$$

EAL

BID SET	01/03/202
SUE	DAT

KEY PLAN



ED PROJECT NO.	66-03-01-03-0-001-02
EMASI PROJECT NO.	102-220

AH M101

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12/29/2022 1:55 AM Reiss, Jeremy

U:\223030829\02_WORKING_FILES\001_MEP\02_CAD\PHASE_2_BUPSD_VESTIBULES\SHEETS\AH\223030829_AH_001.DWG 12/27/2022 1:56 AM Reis, Jeremy

VENTILATION SCHEDULE																																		
AIR HANDLING SYSTEM DATA					ROOM DATA					OUTSIDE VENTILATION AIRFLOW REQUIRED PER THE 2020 NEW YORK STATE MECHANICAL CODE - SECTION 403										OUTSIDE VENTILATION AIRFLOW REQUIRED PER THE NYSED 1998 MANUAL OF PLANNING STANDARDS - SECTION S606-3-A														
AIR HANDLING SYSTEM DESIGNATION	DESIGN SUPPLY AIRFLOW (CFM)	DESIGN OUTSIDE VENTILATION AIRFLOW (CFM)	ROOM NUMBER	ROOM NAME	FLOOR AREA	NUMBER OF PEOPLE	DESIGN SUPPLY AIRFLOW (CFM)	DESIGN MINIMUM OUTSIDE VENTILATION AIRFLOW (CFM)	OUTSIDE VENTILATION AIRFLOW PER PERSON (CFM / PERSON)	OUTSIDE VENTILATION AIRFLOW PER SQUARE FOOT (CFM / SF)	ZONE AIR DISTRIBUTION EFFECTIVENESS	ROOM OUTSIDE VENTILATION AIRFLOW (CFM)	ROOM DESIGN OUTSIDE VENTILATION AIRFLOW MEETS OR EXCEEDS CODE REQUIREMENT (YES / NO)	OUTSIDE VENTILATION AIRFLOW PER PERSON (CFM / PERSON)	OUTSIDE VENTILATION AIRFLOW PER SQUARE FOOT (CFM / SF)	ROOM OUTSIDE VENTILATION AIRFLOW (CFM)	ROOM DESIGN OUTSIDE VENTILATION AIRFLOW MEETS OR EXCEEDS NYSED REQUIREMENT (YES / NO)																	
FCU-AH-1	200	15	221A	SECURITY OFFICE	51	1	200	15	5	0.06	0.8	10	YES	15	0.00	15	YES																	

FAN COIL UNIT SCHEDULE																																																												
DESIGNATION	CONFIGURATION	AIR CONNECTIONS			SUPPLY FAN DATA							COILS				CHILLED WATER (OR DUAL TEMP) COIL COOLING DATA										HOT WATER (OR DUAL TEMP) COIL HEATING DATA						STEAM COIL HEATING DATA						ELECTRICAL DATA										FILTER PRE-FILTER	UNIT OVERALL DIMENSIONS			WEIGHT (LBS)	MANUFACTURER	MODEL	REMARKS					
		SUPPLY	RETURN	OUTSIDE AIR	SUPPLY AIRFLOW (CFM)	MIN. OUTSIDE AIRFLOW (CFM)	ESP (IN WC)	NO. OF MOTORS	HP (PER MOTOR)	BHP (PER MOTOR)	FAN TYPE	DRIVE TYPE	STARTER TYPE	STARTER LOCATION	STEAM	CHILLED WATER	HOT WATER	DUAL TEMP HOT & CHILLED	FLUID	TOT. MBH	SENS. MBH	GPM	E.W.T. (°F)	L.W.T. (°F)	E.A.T. DB (°F)	E.A.T. WB (°F)	L.A.T. DB (°F)	L.A.T. WB (°F)	W.P.D. (FT-WC)	FLUID	MBH	GPM	E.W.T. (°F)	L.W.T. (°F)	E.A.T. (°F)	L.A.T. (°F)	W.P.D. (FT-WC)	HEATING MBH	STEAM PRESSURE (PSIG)	STEAM FLOW (LBSHR)	E.A.T. (°F)	L.A.T. (°F)	VOLTS	PH	Hz	MCA	MOP		BY E.C OR MANUF.	DISCONNECT LOCATION	TYPE					ENCL. TYPE	PWR. (YN)	EMER.	WIDTH (IN)	HEIGHT (IN)
FCU-AH-1	HORIZONTAL CONCEALED	FRONT DUCT COLLAR	REAR DUCT COLLAR	TOP DUCT COLLAR	200	15	0.30	1	0.13	0.05	CENTRI-FUGAL	DIRECT	ECM	AT MOTOR	1-ROW	-	-	3-ROW	WATER	5.5	4.6	0.9	44	56	80	67	59	57	1.8	WATER	9.2	0.9	140	120	55	97	1.8	10.8	2	9.4	55	105	120	1	60	2.8	15	MANUF.	UNIT MTD.	NON-FUSED	NEMA 1	N	1" MERV-13	33	25	10	81	TRANE	FC-C-B-020	SEE NOTES BELOW
FCU-AH-2	HORIZONTAL CONCEALED	FRONT DUCT COLLAR	REAR DUCT COLLAR	-	600	-	0.30	1	0.22	0.21	CENTRI-FUGAL	DIRECT	ECM	AT MOTOR	1-ROW	-	-	3-ROW	WATER	16.4	14.0	2.7	44	56	80	67	58	56	3.8	WATER	27.3	2.7	140	120	55	97	3.8	26.9	2	23.3	55	96	120	1	60	3.9	15	MANUF.	UNIT MTD.	NON-FUSED	NEMA 1	N	1" MERV-13	47	25	10	139	TRANE	FC-C-B-060	SEE NOTES BELOW

NOTES:

1. PROVIDE THE FOLLOWING FACTORY SUPPLIED FEATURES AND OPTIONS FOR ALL UNITS WITH OUTSIDE AIR INTAKE CONNECTIONS:
1.1. 2-POSITION OUTSIDE AIR MOTORIZED DAMPER AND ACTUATOR, "OPEN" POSITION FIELD ADJUSTIBLE FROM 0-50%.
2. PROVIDE THE FOLLOWING FACTORY SUPPLIED FEATURES AND OPTIONS FOR ALL FLOOR-MOUNTED UNITS:
2.2. SUB-BASE, 4" HIGH.
3. PROVIDE THE FOLLOWING FIELD SUPPLIED OPTIONS FOR ALL UNITS:
3.1. AUTOMATIC TEMPERATURE CONTROLS SUB-CONTRACTOR TO FURNISH AND FIELD-INSTALL BMS CONTROLS, CONTROL VALVES, AND CONTROL WIRING.

REGISTER, GRILLE, AND DIFFUSER SCHEDULE															
DESIGNATION	SERVICE	TYPE	NOMINAL OVERALL DIMENSION (IN)	NECK SIZE (IN)	CFM RANGE	CONFIGURATION	BORDER TYPE	MATERIAL OF CONSTRUCTION	EQUALIZING GRID IN NECK	OPPOSED BLADE DAMPER IN NECK	FILTER RACK	FINISH COLOR	MANUFACTURER	MODEL	REMARKS
CD-A	SUPPLY	CEILING DIFFUSER	24x24	6"DIA	0-100	PLAQUE-STYLE, 4-WAY THROW	LAY-IN	STEEL	YES	NO	NO	WHITE	TITUS	OMNI	SEE NOTES BELOW
				8"DIA	101-175										
				10"DIA	176-350										
				12"DIA	351-550										
				24x12 WI ADAPTER TO 6"DIA	0-100										
RR-A	RETURN	CEILING OR SIDEWALL REGISTER	24x12, 24x24, OR AS NOTED ON PLAN	24x12 WI ADAPTER TO 6"DIA	0-100	LOUVERED FACE, 1/2" BLADE SPACING, 35° FIXED DEFLECTION	LAY-IN OR SURFACE MOUNTED	STEEL	NO	ONLY IF REGISTER IS MOUNTED TO EXPOSED SPIRAL DUCT	NO	WHITE	TITUS	355RL	SEE NOTES BELOW
				24x12 WI ADAPTER TO 8"DIA	101-175										
				24x12 WI ADAPTER TO 10"DIA	176-350										
				24x12 WI ADAPTER TO 12"DIA	351-550										
				24x12	551-1000										
				24x24	1001-2000										
LD-A	SUPPLY	LINEAR DIFFUSER	(1) 2.5" WIDE SLOT, LENGTHS AS NOTED ON PLAN	6"DIA (CONNECTION TO FACTORY PLENUM)	0-100	CONTINUOUS SLOT LINEAR DIFFUSER WITH "JET-THROW" PATTERN CONTROLLER FOR DISCHARGE PERPENDICULAR TO MOUNTING SURFACE	LAY-IN BORDER, TITUS "TYPE 11" BORDER WITH 3/4" FLANGE, "UHC" UPPER HANGER CLIP	ALUMINUM	NO	NO	NO	WHITE FLANGES, BLACK PATTERN CONTROLLER & VISIBLE INTERNAL SURFACES, WHITE PLENUMS	TITUS	FL-JT-25	SEE NOTES BELOW
				8"DIA (CONNECTION TO FACTORY PLENUM)	101-175										
				10"DIA (CONNECTION TO FACTORY PLENUM)	176-350										
				12"DIA (CONNECTION TO FACTORY PLENUM)	351-600										
NOTES: 1. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS. 2. ALL FINISH COLORS ARE SUBJECT TO APPROVAL BY THE ARCHITECT. SUBMIT COLOR CHART FOR REVIEW. 3. COORDINATE BORDER TYPES WITH ARCHITECTURAL CEILING SPECIFICATIONS. 4. RR-A: 4.1. PROVIDE FACTORY FURNISHED SQUARE-TO-ROUND ADAPTER FOR EACH REGISTER, MATTE BLACK FINISH FOR INTERNAL SURFACES. 5. LD-A, LD-B: 5.1. ALL ACTIVE SUPPLY, EXHAUST, AND RETURN (DUCTED) SECTIONS SHALL BE PROVIDED WITH FACTORY FURNISHED ACOUSTICALLY LINED 2', 3', OR 4' LONG "FPBI" PLENUMS WITHSIDE INLET CONNECTIONS. 5.2. ALL ACTIVE RETURN (CEILING PLENUM) SECTIONS SHALL BE PROVIDED WITH RETURN HOOD LIGHT SHIELDS, LENGTHS AS SHOWN ON PLANS. 5.3. INACTIVE PORTIONS WITHOUT PLENUMS OR LIGHT SHIELDS SHALL BE BLANKED OFF, MATTE BLACK FINISH FOR VISIBLE SURFACES. 5.4. PROVIDE "FMBCC" MITERED CORNERS, FACTORY BLANKED, 6"x6". 5.5. PROVIDE FACTORY END CAPS.															

EASTCHESTER
UNION FREE
SCHOOL DISTRICT

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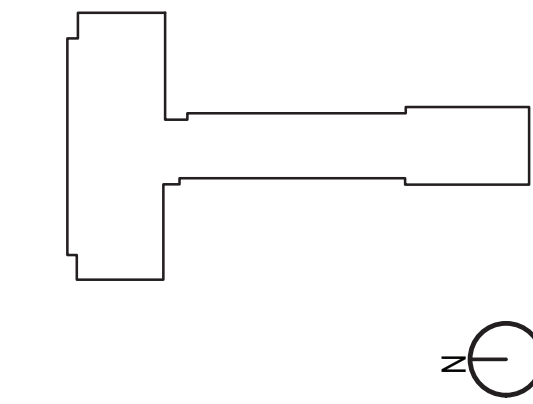
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SEAL

BID SET 01/03/2023
ISSUE DATE

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SED PROJECT NO. 66-03-01-03-0-001-022
MEMASI PROJECT NO. 102-2202

SCHEDULES

AH M201

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N.T.S.



1. INCLUDE DRIP PAN AND LEAK DETECTOR FOR ALL CONCEALED HVAC UNITS WITH COOLING COILS (4-Pipe PAN COIL UNIT WITH HOT AND CHILLED WATER COILS, 2-PIPE PAN COIL UNIT WITH A DUAL-TEMPERATURE HOT/CHILLED WATER COIL, ETC.).
2. INCLUDE DRIP PAN AND LEAK DETECTOR FOR ALL CONCEALED HVAC UNITS WHICH ARE INTENDED FOR HEATING ONLY SERVICE, BUT WILL BE CONNECTED TO DUAL-TEMPERATURE HOT/CHILLED WATER PIPING (2-PIPE CABINET UNIT HEATERS WITH HOT WATER COIL, ETC.). THE DRIP PAN AND LEAK DETECTOR WILL BE UTILIZED AS A BACKUP TO BMS CONTROLS PROGRAMMED TO CLOSE THE CONTROL VALVE WHENEVER CHILLED WATER IS BEING CIRCULATED.

HVAC EQUIPMENT HANGING DETAIL

N.T.S.



N.T.S.



N.T.S.



N.T.S.



N.T.S.

KEY PLAN



SED PROJECT NO.

66-03-01-03-0-001-02

MEMASI PROJECT NO

102-220

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