

UNIT VENTILATORS

EQUIPMENT NO. UV-X	NOMINAL TONNAGE	ASSOCIATED CONDENSER	PERFORMANCE/ CONSTRUCTION REQUIREMENTS									
			SUPPLY FAN			OUTSIDE AIR FLOW (CFM)	COOLING COIL				FILTERS	
			AIR FLOW / FAN SPEED (CFM)	MOTOR POWER (HP)	MOTOR TYPE		TOTAL CAPACITY (MBH)	SENSIBLE CAPACITY (MBH)	REFRIGERANT TYPE	AIR DATA		TYPE
										EAT DB/WB (°F)	LAT DB/WB (°F)	
138A, 138B	2.0	SEE PLANS	750	0.333	ECM - VARIABLE	SEE PLANS	22.9	17.2	R-410A	80 / 67	58.8 / 57.5	1" THROWAWAY
123, 124, 125, 126, 127, 128, 133, 134, 137	3	SEE PLANS	1000	0.333	ECM- VARIABLE	SEE PLANS	33.2	24.9	R-410A	80 / 67	56.6 / 56.0	1" THROWAWAY
142, 143, 144, 145, 148, 149, 150, 151, 152, 160, 161, 162	3	SEE PLANS	1000	0.333	ECM- VARIABLE	SEE PLANS	33.2	24.9	R-410A	80 / 67	56.6 / 56.0	1" THROWAWAY
102 ,103	4	SEE PLANS	1250	0.333	ECM - VARIABLE	SEE PLANS	43.4	32.6	R-410A	80 / 67	55.2 / 55.2	1" THROWAWAY
105, 107, 109, 111, 113, 139	4	SEE PLANS	1250	0.333	ECM - VARIABLE	SEE PLANS	43.4	32.6	R-410A	80 / 67	55.2 / 55.2	1" THROWAWAY
104, 106, 108, 110, 140	4.5	SEE PLANS	1500	0.333	ECM - VARIABLE	SEE PLANS	53.7	40.3	R-410A	80 / 67	54.3 / 54.3	1" THROWAWAY

UNIT VENTILATORS (CONTINUED)

EQUIPMENT NO. UV-X	PERFORMANCE/ CONSTRUCTION REQUIREMENTS										BASIS OF DESIGN INFORMATION						REMARKS
	HEATING COIL										MNF	MODEL NO.	NOMINAL DIMENSIONS LxWxH (IN.)	NOMINAL OPERATING WEIGHT (LBS.)	ELECTRICAL DATA		
	TOTAL CAPACITY (MBH)	AIR DATA		HEATING MEDIUM						ELECTRIC COIL							
		EAT (°F)	LAT (°F)	HYDRONIC COIL				STEAM COIL									
				NO. ROWS	EWT (°F)	LWT (°F)	WPD (FT. H2O)	NO. ROWS	INLET STEAM PRESSURE (PSIG)						ELECTRIC HEAT CAPACITY (KW)	VOLTS/PHASE	
138A, 138B	37.69	51	97.4	-	-	-	-	1	3	-	DAIKIN	UAVS9V07	62 x 22 x 31	370	115 / 1	6.3 / 15	1, 2, 4-16
123, 124, 125, 126, 127, 128, 133, 134, 137	37.95	51	105	-	-	-	-	1	3	-	DAIKIN	UAVS9V10	74 x 22 x 31	445	115 / 1	6.3 / 15	1, 2, 4-16
142, 143, 144, 145, 148, 149, 150, 151, 152, 160, 161, 162	37.95	51	105	2	180	133.9	0.85	-	-	-	DAIKIN	UAVS9V10	74 x 22 x 31	445	115 / 1	6.3 / 15	1, 2, 4-16
102, 103	68.24	51	101.2	-	-	-	-	-	-	20	DAIKIN	UAVS9V13	86 x 22 x 31	525	208/3	73 / 80	1, 2, 4-16
105, 107, 109, 111, 113, 139	67.93	51	101.9	-	-	-	-	1	3	-	DAIKIN	UAVS9V13	86 x 22 x 31	525	115 / 1	6.3 / 15	1, 2, 4-16
104, 106, 108, 110, 140	85.47	51	104.4	-	-	-	-	1	3	-	DAIKIN	UAVS9V15	98 x 22 x 31	600	115 / 1	6.3 / 15	1, 2, 4-16

- NOTES:
1. PROVIDE FIELD INSTALLED UNITARY CONTROLLER SHALL HAVE OUTPUTS/INPUTS FOR REMOTE FAN CONTROL AND INTERLOCKS
2. ARRANGEMENT: VERTICAL, FLOOR MOUNTED, BOTTOM FRONT RETURN AIR, REAR OUTSIDE AIR
3. ARRANGEMENT: HORIZONTAL, CEILING MOUNTED, SELECT TO MATCH EXISTING ARRANGEMENT
4. PROVIDE ACTUATORS, TEMPERATURE SENSORS, AND FACTORY INSTALLED TERMINAL STRIP
5. PROVIDE FIELD INSTALLED UNITARY CONTROLLER TO MATCH EXISTING CONTROL PLATFORM
6. FACTORY INSTALLED TRANSFORMER TO POWER Z-BOX CONTROLLER
7. PROVIDE NEW MANUFACTURER SPECIFIED LOUVER.
8. UNIT VENTILATORS SHALL BE "DDC READY"
9. PROVIDE NEW WALL SLEEVE (IF REQUIRED)
10. DOUBLE-ROW HEATING COIL (STEAM)
11. LOW VOLT. REMOTE CONTROLLER
12. POWER DISCONNECT SWITCH
13. BACNET COMPATIBLE
14. DX-COIL
15. PROVIDE A WATER LEVEL DETECTION DEVICE CONFORMING TO UL 508 THAT WILL SHT OFF THE EQUIPMENT SERVED IN THE EVENT THAT THE PRIMARY CONDENSATE DRAIN PAN BECOMES BLOCKED.
16. UNIT VENTILATORS WITH FACTORY MOUNTED EEV KITS ARE LEFT HAND STEAM / HOT WATER AND RIGHT HAND DX. THIS IS STANDARD FROM THE FACTORY AND CANNOT BE ALTERED.

AIR COOLED CONDENSING UNITS

EQUIPMENT NO. CU-X	LOCATION	TOTAL TONNAGE	NUMBER OF MODULES	PERFORMANCE/ CONSTRUCTION REQUIREMENTS					BASIS OF DESIGN INFORMATION								CORRESPONDING UV-X
				COOLING AMBIENT EAT DB/WB (°F)	COOLING OPERATION TEMPERATURE RANGE (°F DB)	NOMINAL COOLING CAPACITY (MBH)	REFRIGERANT TYPE	EFFICIENCY RATING (EER / IEER)	MNF	MODEL NO.	NOMINAL DIMENSIONS L x W x H (IN.) (MOD1, MOD2)	NOMINAL OPERATING WEIGHT (LBS.) (MOD1, MOD2)	ELECTRICAL DATA				
													VOLTS/PHASE	MOD1: MCA/MOCP (AMPS)	MOD2: MCA/MOCP (AMPS)	TOTAL: MCA/MOCP (AMPS)	
1	SEE PLANS	20	2	95 / 75	23 - 122	242	R-410A	11.3 / 20.8	DAIKIN	RXYQ240XATJA	49x31x67, 49x31x67	527, 527	208/3	36.3 / 45	36.6 / 45	72.6 / 90	133, 134, 137, 138A, 138B, 139, 140
2	SEE PLANS	12	1	95 / 75	23 - 122	144	R-410A	12.3 / 24.8	DAIKIN	RXYQ144XATJA	49x31x67	695	208/3	55.1 / 60	-	-	142, 143, 144, 145
3	SEE PLANS	14	2	95 / 75	23 - 122	167	R-410A	10.6 / 22.6	DAIKIN	RXYQ168XATJA	49x31x67	695	208/3	55.1 / 60	-	-	148, 149, 150, 151, 152
4	SEE PLANS	8	1	95 / 75	23 - 122	96	R-410A	14.3 / 27.3	DAIKIN	RXYQ96XATJA	49x31x67	525	208/3	36.3 / 45	-	-	160, 161, 162
5	SEE PLANS	8	1	95 / 75	23 - 122	96	R-410A	14.3 / 27.3	DAIKIN	RXYQ96XATJA	49x31x67	525	208/3	36.3 / 45	-	-	124, 126, 128
6	SEE PLANS	8	1	95 / 75	23 - 122	96	R-410A	14.3 / 27.3	DAIKIN	RXYQ96XATJA	49x31x67	525	208/3	36.3 / 45	-	-	123, 125, 127
7	SEE PLANS	16	2	95 / 75	23 - 122	195	R-410A	11.5 / 22.2	DAIKIN	RXYQ192XATJA	49x31x67, 49x31x67	527, 437	208/3	36.3 / 45	27.6 / 35	63.9 / 80	104, 106, 108, 110
8	SEE PLANS	16	2	95 / 75	23 - 122	193	R-410A	11.5 / 22.2	DAIKIN	RXYQ192XATJA	49x31x67, 49x31x67	527, 437	208/3	36.3 / 45	27.6 / 35	63.9 / 80	105, 107, 109, 111, 113
9	SEE PLANS	3	1	95 / 75	23 - 122	36	R-410A	NA	DAIKIN	RXYQ36XATJA	37x13x39	172	208/1	16.5 / 25	-	-	102
10	SEE PLANS	3	1	95 / 75	23 - 122	36	R-410A	NA	DAIKIN	RXYQ36XAYDA	37x13x39	172	208/1	16.5 / 25	-	-	103

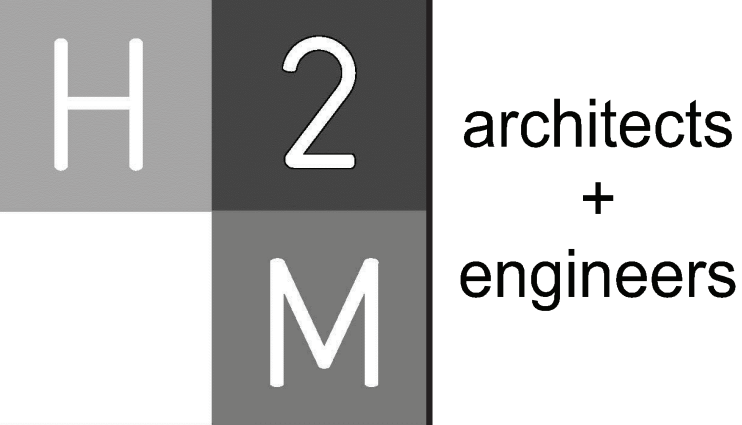
- NOTES:
1. PROVIDE AND INSTALL MANUFACTURER'S SPECIFIED:
1.1. INTEGRATION KIT - EXPANSION VALVE(S) (IF REQUIRED FOR UNIT VENTILATORS)
1.2. 2 PIPE REFINET JOINT(S)
1.3. INTEGRATION KIT - Z-CONTROL BOX(S) (IF REQUIRED FOR UNIT VENTILATORS)

2. INSTALL UNIT ON 18" ROOF RAILS AS PER DETAILS WITH VIBRATION ISOLATION
3. WIND BAFFLE

DUCTLESS SPLIT SYSTEM

EQUIPMENT NO.	LOCATION	AREA SERVED	PERFORMANCE/ CONSTRUCTION REQUIREMENTS										BASIS OF DESIGN INFORMATION										REMARKS	
			REQUIRED ENERGY EFFICIENCY RATING (SEER2)	REFRIGERANT	SUPPLY UNIT DATA				REMOTE CONDENSING UNIT			MNF	MODEL NO.		NOMINAL DIMENSIONS L x W x H		NOMINAL OPERATING WEIGHT (LBS.)		ELECTRICAL DATA					
					FLOW (CFM)	TOTAL COOLING CAPACITY (MBH)	HEATING CAPACITY (MBH)	MAX. DBA RATING	OUTSIDE AIR TEMP. (DEG. F)		MIN. FAN QUANTITY		MIN. COMPRESSOR QUANTITY	INTERIOR UNIT	EXTERIOR UNIT	INTERIOR UNIT	EXTERIOR UNIT	INTERIOR UNIT	EXTERIOR UNIT	INTERIOR UNIT		EXTERIOR UNIT		
									MAX	MIN										VOLTS/PHASE	MCA	VOLTS/PHASE		MCA
ACCU-1 / IU-1	SEE PLANS	SEE PLANS	19.5	R410A	328 / 643	18,000	21,600	51	104	-13	1	1	DAIKIN	FTX18WVJU9	RXL18WMVJU9	42 x 11 x 14	34 x 13 x 29	44	142	208 / 1	0.8	208 / 1	18.6	

- NOTES:
1. FURNISH AND INSTALL OPTIONAL CONDENSATE LIFT MECHANISM AS PART OF COMPLETE INDOOR UNIT SELECTION
2. PROVIDE WIRED REMOTE TEMPERATURE SENSOR / CONTROLLER AND ASSOCIATED INTERFACE ADAPTOR



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CONSULTANTS:

MARK	DATE	DESCRIPTION
	10-12-23	FINAL BID DOCUMENT



DESIGNED BY: CAK	DRAWN BY: CAK	CHECKED BY: BMC	REVIEWED BY: AEH
PROJECT No: WPSD 2204	DATE: OCTOBER 2023	SCALE:	SEE PLANS

CLIENT

White Plains City School District

AC and Ventilation Upgrades at Ridgeway Elementary School

225 Ridgeway
White Plains, NY 10605

SED PROJECT CONTROL
NO. 66-22-00-01-0-014-017

CONTRACT	CONTRACT H HEATING VENTILATION AND AIR CONDITIONING
STATUS	FINAL BID DOCUMENT
SHEET TITLE	MECHANICAL SCHEDULES SHEET 1
DRAWING No.	M600.00