

UNIT VENTILATORS - STEAM HEAT

EQUIPMENT NO.	QUANTITY	PERFORMANCE/ CONSTRUCTION REQUIREMENTS											BASIS OF DESIGN INFORMATION							MECHANICAL NOTES	ELECTRICAL NOTES	
		SUPPLY FAN		OUTSIDE AIRFLOW (CFM)	COOLING COIL				HEATING COIL			MNF	MODEL NO.	NOMINAL DIMENSIONS L" x W" x H" (EXCLUDING LEV KIT)	NOMINAL OPERATING WEIGHT (LBS.)	ELECTRICAL DATA						
		AIRFLOW (CFM)	HP		REFRIGERANT TYPE	TOTAL CAPACITY (MBH)	SENSIBLE CAPACITY (MBH)	AIR DATA		TOTAL CAPACITY (MBH)	AIR DATA					STEAM COIL DATA	VOLTS/PHASE	MCA	MOCP			
UV-15B	1	999	1 / 3	221	R-410A	33.2	24.9	80 / 67	57.1 / 56.3	58.5	51	105	3.0	DAIKIN	UAVS9H10	74"x16.63"x30.13"	425	115 / 1	6.3	15	1-18	6.7,10,12,14
UV-17	1	1474	1 / 3	401	R-410A	53.7	40.3	80 / 67	54.8 / 54.8	85.5	51	104.4	3.0	DAIKIN	UAVS9H15	98"x16.63"x30.13"	570	115 / 1	6.3	15	1-18	6.7,10,12,14
UV-19	1	1474	1 / 3	441	R-410A	53.7	40.3	80 / 67	54.8 / 54.8	85.5	51	104.4	3.0	DAIKIN	UAVS9H15	98"x16.63"x30.13"	570	115 / 1	6.3	15	1-18	6.7,10,12,14
UV-21	1	999	1 / 3	205	R-410A	33.2	24.9	80 / 67	57.1 / 56.3	58.5	51	105	3.0	DAIKIN	UAVS9H10	74"x16.63"x30.13"	425	115 / 1	6.3	15	1-18	6.7,10,12,14
MECHANICAL NOTES: 1. PROVIDE PNEUMATIC CONTROLS TO TIE INTO EXISTING GALVANIZED DRAIN PAN 3. COLD WEATHER DAMPER ASSEMBLY 4. REAR OUTSIDE AIR, BOTTOM RETURN AIR 5. HIGH EFFICIENCY ECM MOTOR 7. STEAM 2 WAY MODULATING VALVE/ACTUATOR 8. 2" MERV 13 FILTER 9. FALSE BACK 10. SINGLE ROW STEAM COIL 11. PROVIDE WITH FREEZE STAT 12. CONTRACTOR RESPONSIBILITY TO CONFIRM QUANTITIES 13. PROVIDE NEW WALL MOUNTED PNEUMATIC THERMOSTAT 14. PROVIDE ECONOMIZER 15. REUSE EXISTING PNEUMATIC LINES 16. PROVIDE SUBBASE, MATCH HEIGHT OF EXISTING CASEWORK. 17. OUTSIDE AIR VALUES IN THIS SCHEDULE ARE MAXIMUM VALUES. 18. BALANCER TO BALANCE UNIT VENTILATOR OUTSIDE AIR TO ELECTRICAL NOTES: 1. INTEGRAL DISCONNECT SWITCH [FIELD WIRED] 2. INTEGRAL DISCONNECT SWITCH [FACTORY WIRED] 3. INTEGRAL UNPOWERED RECEPTACLES [FIELD WIRED] 4. INTEGRAL POWERED RECEPTACLES [FACTORY WIRED] 5. INTEGRAL CONDENSATE PUMP [UNPOWERED] 6. INTEGRAL CONDENSATE PUMP [POWERED] 7. LOW VOLTAGE CONTROLS 8. LINE VOLTAGE CONTROLS 9. INTEGRAL STARTERS 10. MOTORIZED DAMPERS [24VAC] 11. MOTORIZED DAMPERS [120VAC] 12. SINGLE POINT POWER FEED 13. INDOOR UNIT POWERED FROM OUTDOOR UNIT 14. ELECTRICAL CONTRACTOR TO PROVIDE DISCONNECT SWITCH ON SAME POWER FEED AS ASSOCIATED INDOOR UNIT																						

UNIT VENTILATORS - HOT WATER HEAT

EQUIPMENT NO.	QUANTITY	PERFORMANCE/ CONSTRUCTION REQUIREMENTS															BASIS OF DESIGN INFORMATION						MECHANICAL NOTES	ELECTRICAL NOTES	
		SUPPLY FAN		OUTSIDE AIRFLOW (CFM)	COOLING COIL			HEATING COIL							MNF	MODEL NO.	NOMINAL DIMENSIONS L" x W" x H" (EXCLUDING LEV KIT)	NOMINAL OPERATING WEIGHT (LBS.)	ELECTRICAL DATA						
		AIRFLOW (CFM)	HP		REFRIGERANT TYPE	TOTAL CAPACITY (MBH)	SENSIBLE CAPACITY (MBH)	AIR DATA		TOTAL CAPACITY (MBH)	AIR DATA		HOT WATER						VOLTS/PHASE	MCA	MOCP				
								ENT. DB/WB (°F)	LVG. DB/WB (°F)		ENT. DB (°F)	LVG. DB (°F)	ENT. TEMP (°F)	LVG. TEMP (°F)								FLOW RATE (GPM)			PRESSURE DROP (FT H2O)
UV-10	1	979	1 / 3	342	R-410A	33.2	24.9	80 / 67	56.6 / 56	46	70	113.4	180	133.9	2.0	.85	DAIKIN	UAVS9H10	74"x16.63"x30.13"	425	115 / 1	6.3	15	1-17	6.7,10,12,14
UV-12	1	979	1 / 3	387	R-410A	33.2	24.9	80 / 67	56.6 / 56	46	70	113.4	180	133.9	2.0	.85	DAIKIN	UAVS9H10	74"x16.63"x30.13"	425	115 / 1	6.3	15	1-17	6.7,10,12,14
UV-13A	1	979	1 / 3	281	R-410A	33.2	24.9	80 / 67	56.6 / 56	46	70	113.4	180	133.9	2.0	.85	DAIKIN	UAVS9H10	74"x16.63"x30.13"	425	115 / 1	6.3	15	1-17	6.7,10,12,14
UV-13B	1	979	1 / 3	281	R-410A	33.2	24.9	80 / 67	56.6 / 56	46	70	113.4	180	133.9	2.0	.85	DAIKIN	UAVS9H10	74"x16.63"x30.13"	425	115 / 1	6.3	15	1-17	6.7,10,12,14
UV-100	1	979	1 / 3	220	R-410A	33.2	24.9	80 / 67	56	46	70	113.4	180	133.9	2.0	.85	DAIKIN	UAVS9H10	74"x16.63"x30.13"	425	115 / 1	6.3	15	1-17	6.7,10,12,14
UV-101	1	1444	1 / 3	434	R-410A	53.7	40.3	80 / 67	54.3 / 54.3	62.9	70	110.1	180	117.1	2.0	.65	DAIKIN	UAVS9H15	98"x16.63"x30.13"	570	115 / 1	6.3	15	1-17	6.7,10,12,14
UV-102	1	1444	1 / 3	415	R-410A	53.7	40.3	80 / 67	54.3 / 54.3	62.9	70	110.1	180	117.1	2.0	.65	DAIKIN	UAVS9H15	98"x16.63"x30.13"	570	115 / 1	6.3	15	1-17	6.7,10,12,14
MECHANICAL NOTES: 6. 2" MERV 13 FILTER 7. TOP DISCHARGE BAR STOCK STEEL GRILLE 8. FALSE BACK 9. SINGLE ROW HOT WATER COIL 10. PROVIDE WITH FREEZE STAT 11. CONTRACTOR RESPONSIBILITY TO CONFIRM QUANTITIES 12. PROVIDE WALL MOUNTED PNEUMATIC THERMOSTAT 13. PROVIDE ECONOMIZER 14. REUSE EXISTING PNEUMATICS 15. PROVIDE SUBBASE, MATCH HEIGHT OF EXISTING CASEWORK. 16. OUTSIDE AIR VALUES IN SCHEDULE ARE MAXIMUM VALUES. 17. BALANCE TO BALANCE UNIT VENTILATOR OUTSIDE AIR TO VALUES ON PLAN/VENTILATION SCHEDULE. 18. FACE AND BYPASS CONTROL ELECTRICAL NOTES: 1. INTEGRAL DISCONNECT SWITCH [FIELD WIRED] 2. INTEGRAL DISCONNECT SWITCH [FACTORY WIRED] 3. INTEGRAL UNPOWERED RECEPTACLES [FIELD WIRED] 4. INTEGRAL POWERED RECEPTACLES [FACTORY WIRED] 5. INTEGRAL CONDENSATE PUMP [UNPOWERED] 6. INTEGRAL CONDENSATE PUMP [POWERED] 7. LOW VOLTAGE CONTROLS 8. LINE VOLTAGE CONTROLS 9. INTEGRAL STARTERS 10. MOTORIZED DAMPERS [24VAC] 11. MOTORIZED DAMPERS [120VAC] 12. SINGLE POINT POWER FEED 13. INDOOR UNIT POWERED FROM OUTDOOR UNIT 14. ELECTRICAL CONTRACTOR TO PROVIDE DISCONNECT SWITCH ON SAME POWER FEED AS ASSOCIATED INDOOR UNIT 15.																									

PACKAGED ROOFTOP SYSTEM WITH ENERGY RECOVERY WHEEL

EQUIPMENT NO.	LOCATION	PERFORMANCE/ CONSTRUCTION REQUIREMENTS																				BASIS OF DESIGN INFORMATION										MECHANICAL NOTES	ELECTRICAL NOTES										
		SUPPLY FAN				EXHAUST FAN				ERV		OUTSIDE AIR FLOW (CFM)	NOMINAL TONNAGE	COOLING COIL							HEATING							UNIT LVG TEMP (°F)	MNF	MODEL NO.	NOMINAL DIMENSIONS LxWxH (IN.)			NOMINAL OPERATION WEIGHT (LBS)	ELECTRICAL DATA								
		SUPPLY AIR (CFM)	BHP	MOTOR HP	EXT. S.P. (IN.W.G.)	EXHAUST AIR (CFM) [ECONOMIZER]	BHP	MOTOR HP	EXT. S.P. (IN.W.G.)	MOTOR HP	REFR. TYPE			TOTAL CAPACITY (MBH)	SENSIBLE CAPACITY (MBH)	EER	SEER / IEER	AIR DATA					UNIT LVG TEMP (°F)	HEAT PUMP											ELECTRIC COIL								
																		OA DB/WB (°F)	RA DB/WB (°F)	ENT. DB/WB (°F)	LVG. DB/WB (°F)	HGRH DB/WB (°F)		HEAT PUMP CAPACITY (MBH)	OA DB/WB (°F)	RA DB/WB (°F)	ENT. DB (°F)								LVG. DB (°F)	COP @47 F	ELECTRIC HEAT COIL SIZE (KW)	HEAT CAPACITY (MBH)	COIL ΔT (°F)	VOLTS/ PHASE	FLA	MCA	MOCP
ERU-1	SEE PLANS	2200	2.08	4	2	1482	.91	4	1.5	0.17	2200	7	R-410A	86.1	63.8	12.6	18.8	88 / 72	75 / 62	79.7/66.1	53.2/53.1	70 / 59.5	53.2	44.8	10 / 70	70 / 50	46.7	65.4	3.58	18	61.4	25.8	72.5	DAIKIN	DPS007A	111x96.5x56.8	2424	208 / 3	94.6	110.1	125	1-17	2,4,7,10,11
ERU-2	SEE PLANS	1800	1.76	4	2	1404	.81	4	1.5	0.17	1800	7	R-410A	81.0	56.7	12.6	18.8	88 / 72	75 / 62	78.7/65.3	49.8/49.8	70/57.8	49.8	43.8	10 / 70	70 / 50	51.7	73.9	3.58	18	61.4	31.4	83.1	DAIKIN	DPS007A	111x96.5x56.8	2424	208 / 3	94.6	110.1	125	1-17	2,4,7,10,11
ERU-3	SEE PLANS	3200	4.12	5	2	3000	1.95	4	1.5	0.17	3200	16	R-410A	162	108.5	11.5	20.5	88 / 72	75 / 62	79.3/65.8	48.3/48.2	70/57.1	48.3	95.7	10 / 70	70 / 50	48.7	76.1	3.55	30	102.4	29.5	78.2	DAIKIN	DPS016A	182.3x76.5x82.5	4139	208 / 3	167.7	200.3	225	1-17	2,4,7,10,11
ERU-4	SEE PLANS	3200	4.13	5	2	2496	1.47	4	1.5	0.17	3200	16	R-410A	167.2	106.3	11.5	20.5	88 / 72	75 / 62	80.4/67.5	50.0/50.0	70/58.0	50	95.7	10 / 70	70 / 50	47.0	74.4	3.55	30	102.4	29.5	76.5	DAIKIN	DPS016A	182.3x76.5x82.5	4139	208 / 3	167.7	200.3	225	1-17	2,4,7,10,11
ERU-5	SEE PLANS	1900	1.83	4	2	1482	.86	4	1.5	0.17	1900	7	R-410A	82.1	58.4	12.6	18.8	88 / 72	75 / 62	78.7/65.4	50.6/50.6	70/58.2	50.6	44.0	10 / 70	70 / 50	51.2	72.4	3.58	18	61.4	29.8	81.0	DAIKIN	DPS007A	111x96.5x56.8	2424	208 / 3	94.6	110.1	125	1-17	2,4,7,10,11
MECHANICAL NOTES:												11. CONDENSER HAIL GUARD										ELECTRICAL NOTES:										8. LINE VOLTAGE CONTROLS											
1. 4" PLEATED MERV-8 FILTERS.												12. ENERGY RECOVERY WHEEL										1. INTEGRAL DISCONNECT SWITCH [FIELD WIRED]										9. INTEGRAL STARTERS											
2. HINGED ACCESS DOORS												13. SCROLL COMPRESSOR FOR ALL CIRCUITS										2. INTEGRAL DISCONNECT SWITCH [FACTORY WIRED]										10. MOTORIZED DAMPERS [120VAC]											
3. DIRTY FILTER INDICATOR SWITCH.												14. MANUFACTURER TO PROVIDE FACTORY INSTALLED UNIT CONTROLLER										3. INTEGRAL UNPOWERED RECEPTACLES [FIELD WIRED]										11. SINGLE POINT POWER FEED											
4. SUPPLY FAN STATUS SWITCH												15. SUPPLY AIR FLOW MONITORING										4. INTEGRAL POWERED RECEPTACLES [FACTORY WIRED]										12. INDOOR UNIT POWERED FROM OUTDOOR UNIT											
5. HOT GAS REHEAT COIL.												16. SUPPLY AND EXHAUST FAN VFD										5. INTEGRAL CONDENSATE PUMP [UNPOWERED]										13. ELECTRICAL CONTRACTOR TO PROVIDE DISCONNECT SWITCH											
6. PROVIDE NEW PROGRAMMABLE THERMOSTAT.												17. PROVIDE CURB ADAPTOR										6. INTEGRAL CONDENSATE PUMP [POWERED]										14. ON SAME POWER FEED AS ASSOCIATED INDOOR UNIT											
7. MANUFACTURER TO PROVIDE BAGNET INTERFACE CARD																						7. LOW VOLTAGE CONTROLS																					
8. STAINLESS STEEL DRAIN PAN AND CONDENSATE OVERFLOW SWITCH, INTERLOCK TO TURN OFF UNIT.																																											
9. PHASE LOSS PROTECTION																																											
10. VERTICAL SUPPLY/RETURN DUCTWORK CONFIGURATION.																																											



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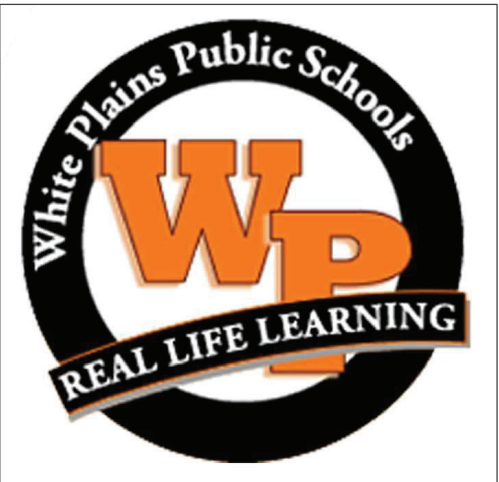
CONSULTANTS:

[illegible]

DESIGNED BY: JML				DRAWN BY: BFB/DKR		CHECKED BY: JML		REVIEWED BY: QAQC	
PROJECT No.: WPSD 2205			DATE: OCTOBER 2023			SCALE:			

CLIENT **White Plains City
School District**

AC and Ventilation Upgrades at Mamaroneck Elementary School



**7 Nosband Ave.
White Plains, NY 10605**

SED PROJECT CONTROL
NO. 66-22-00-01-0-010-017

CONTRACT

CONTRACT H
HEATING VENTILATION AND AIR
CONDITIONING

STATUS

FINAL BID DOCUMENT

SHEET TITLE

MECHANICAL SCHEDULES

DRAWING No.

M602.00