

X:\PSD\White Plains Central School District - 10851\WPSD 2113 - GYM UV Replacements\02-BIM\CADD\Condensation\Schedules\11600.00 MECHANICAL SCHEDULES.dwg, Last Modified: Feb 22, 2023 - 4:02pm By: bscabali

UNIT VENTILATORS

EQUIPMENT NO.	LOCATION	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)	
UV-1-1, 1-4, 1-6	-	CU-1-1	1000	0.333	ECM - VARIABLE	SEE VENT INDEX	33.2	24.9	R-410A	80 / 67	57.1 / 56.3	1" THROWAWAY
UV-1-2, 1-3, 1-5, 1-7	-	CU-1-1	1250	0.333	ECM - VARIABLE	SEE VENT INDEX	43.4	32.6	R-410A	80 / 67	55.6 / 55.5	1" THROWAWAY
UV-2-1, 2-4, 2-6	-	CU-2-1	1000	0.333	ECM - VARIABLE	SEE VENT INDEX	33.2	24.9	R-410A	80 / 67	57.1 / 56.3	1" THROWAWAY
UV-2-2, 2-3, 2-5, 2-7	-	CU-2-1	1250	0.333	ECM - VARIABLE	SEE VENT INDEX	43.4	32.6	R-410A	80 / 67	55.6 / 55.5	1" THROWAWAY
UV-2-8, 2-9, 2-10, 2-11	-	CU-2-2	700	0.333	ECM - VARIABLE	SEE VENT INDEX	22.9	17.2	R-410A	80 / 67	58.8 / 57.5	1" THROWAWAY
UV-2-12, 2-13, 2-14, 2-15	-	CU-2-3	1000	0.333	ECM - VARIABLE	SEE VENT INDEX	33.2	24.9	R-410A	80 / 67	57.1 / 56.3	1" THROWAWAY
UV-3-1, 3-2, 3-3	-	CU-3-1	1250	0.333	ECM - VARIABLE	SEE VENT INDEX	43.4	32.6	R-410A	80 / 67	55.6 / 55.5	1" THROWAWAY
UV-3-4, 3-5, 3-6, 3-7, 3-8, 3-9	-	CU-3-2	1000	0.333	ECM - VARIABLE	SEE VENT INDEX	33.2	24.9	R-410A	80 / 67	57.1 / 56.3	1" THROWAWAY
UV-4	-	CU-4-1	750	0.333	ECM - VARIABLE	SEE VENT INDEX	22.9	17.2	R-410A	80 / 67	58.8 / 57.5	1" THROWAWAY
UV-5	-	CU-4-1	1000	0.333	ECM - VARIABLE	SEE VENT INDEX	33.2	24.9	R-410A	80 / 67	57.1 / 56.3	1" THROWAWAY
UV-6, 7	-	CU-4-1	1250	0.333	ECM - VARIABLE	SEE VENT INDEX	43.4	32.6	R-410A	80 / 67	55.6 / 55.5	1" THROWAWAY
UV-8	-	CU-4-1	1250	0.333	ECM - VARIABLE	SEE VENT INDEX	43.4	32.6	R-410A	80 / 67	55.6 / 55.5	1" THROWAWAY

UNIT VENTILATORS (CONTINUED)

EQUIPMENT NO.	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							
		EAT (°F)	LAT (°F)	STEAM COIL							
				NO. ROWS					VOLTS/PHASE	MCA / MOCp (AMPS)	
UV-1-1, 1-4, 1-6	48.36	70	114.6	1	DAIKIN	UAVV9V10	74 x 22 x 31	445	115 / 1	6.3 / 15	1-13
UV-1-2, 1-3, 1-5, 1-7	57.0	70	112.7	1	DAIKIN	UAVV9V13	86 x 22 x 31	525	115 / 1	6.3 / 15	1-13
UV-2-1, 2-4, 2-6	48.36	70	114.6	1	DAIKIN	UAVV9V10	74 x 22 x 31	445	208 / 3	30.6 / 45	1-13
UV-2-2, 2-3, 2-5, 2-7	57.0	70	112.7	1	DAIKIN	UAVV9V13	86 x 22 x 31	525	208 / 3	30.6 / 45	1-13
UV-2-8, 2-9, 2-10, 2-11	37.5	70	90.3	1	DAIKIN	UAVV9V07	62 x 22 x 31	370	115 / 1	6.3 / 15	1-13
UV-2-12, 2-13, 2-14, 2-15	62.2	70	91.1	1	DAIKIN	UAVV9V10	74 x 22 x 31	445	115 / 1	6.3 / 15	1-13
UV-3-1, 3-2, 3-3	70.9	70	89.8	1	DAIKIN	UAVV9V13	86 x 22 x 31	525	115 / 1	6.3 / 15	1-13
UV-3-4, 3-5, 3-6, 3-7, 3-8, 3-9	60.2	70	94.7	1	DAIKIN	UAVV9V10	74 x 22 x 31	445	115 / 1	6.3 / 15	1-13
UV-4	40.1	70	84.2	1	DAIKIN	UAVV9V07	62 x 22 x 31	370	115 / 1	6.3 / 15	1-13
UV-5	62.4	70	90.8	1	DAIKIN	UAVV9V10	74 x 22 x 31	445	115 / 1	6.3 / 15	1-13
UV-6, 7	76.3	70	80.7	1	DAIKIN	UAVV9V13	86 x 22 x 31	525	115 / 1	6.3 / 15	1-13
UV-8	76.3	70	80.7	1	DAIKIN	UAVV9V13	86 x 22 x 31	525	115 / 1	6.3 / 15	1-13

- 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. PROVIDE ACTUATORS, TEMPERATURE SENSORS, AND FACTORY INSTALLED TERMINAL STRIP
4. PROVIDE FIELD INSTALLED UNITARY CONTROLLER TO MATCH EXISTING
- CONTROL PLATFORM
5. FACTORY INSTALLED TRANSFORMER TO POWER Z-BOX CONTROLLER
6. PROVIDE NEW MANUFACTURER SPECIFIED LOUVER.
7. UNIT VENTILATORS SHALL BE "DDC READY"
8. PROVIDE NEW WALL SLEEVE (IF REQUIRED)
9. SINGLE-ROW HEATING COIL (STEAM)
10. LOW VOLT. REMOTE CONTROLLER
11. POWER DISCONNECT SWITCH
12. BACNET COMPATIBLE
13. DX-COIL
14. THIS EQUIPMENT IS NOT IN THE CONTRACT AND INCLUDED FOR REFERENCE ONLY. EQUIPMENT TO BE SUPPLIED TO THE SCHOOL DISTRICT BY THE MANUFACTURER. SEE SPECIFICATIONS FOR MORE DETAILS.

EXHAUST FAN

EQUIPMENT NO.	LOCATION	SYSTEM SERVED	PERFORMANCE/CONSTRUCTION REQUIREMENTS				BASIS OF DESIGN INFORMATION					REMARKS
			CFM	EXT S. P. (IN. W.C.)	FAN/MOTOR DUTY POINT RPM	BHP	MNF	MODEL NO.	NOMINAL OPERATING WEIGHT (LBS.)	ELECTRICAL DATA		
										VOLTS/PHASE	MOTOR HP	
NEF-13	ROOFTOP	CLASSROOM EXHAUST	5325	0.650	1127	1.73	GREENHECK	G-200-VG	250	208 / 3	2	1-5
NEF-23	ROOFTOP	CLASSROOM EXHAUST	1200	0.600	1312	0.22	GREENHECK	G-120-VG	110	208 / 1	1/2	1-5
NEF-25	ROOFTOP	CLASSROOM EXHAUST	4275	0.650	971	1.11	GREENHECK	G-200-VG	250	208 / 3	2	1-5
NEF-26	ROOFTOP	CLASSROOM EXHAUST	2100	0.675	1047	0.45	GREENHECK	G-160-VG	151	208 / 3	1	1-5
NEF-28	ROOFTOP	CLASSROOM EXHAUST	900	0.650	1482	0.19	GREENHECK	G-100-VG	101	115 / 1	1/4	1-5
NEF-29	ROOFTOP	CLASSROOM EXHAUST	720	0.625	1145	0.31	GREENHECK	G-140-VG	149	208 / 3	1	1-5

- NOTES:
1. MOTOR SPEED CONTROLLER TO BE INTEGRAL / MOTOR MOUNTED TO BE USED FOR MANUAL SPEED ADJUSTMENT FOR BALANCING.
2. CURB ADAPTER (VERIFY SIZE IN FIELD) AND CURB SEAL
3. FACTORY PROVIDED DISCONNECT SWITCH
4. GALVANIZED MESH
5. HINGED BASE

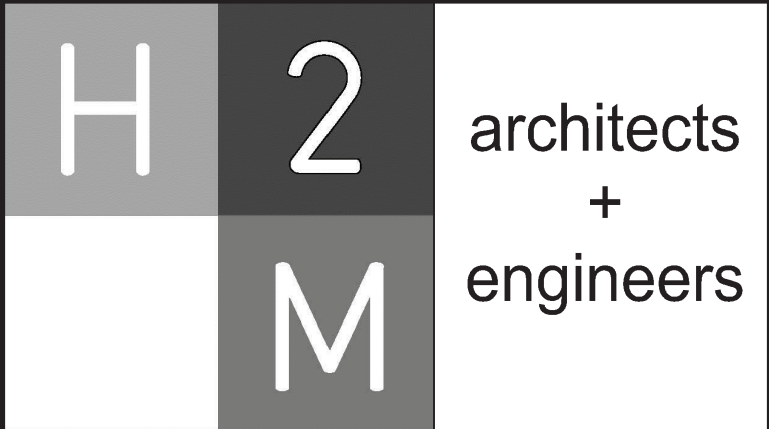
AIR COOLED CONDENSING UNITS

EQUIPMENT NO.	LOCATION	TOTAL TONNAGE	NUMBER OF MODULES	PERFORMANCE/ CONSTRUCTION REQUIREMENTS						
				COOLING AMBIENT EAT DB/WB (°F)	COOLING OPERATION TEMPERATURE RANGE (°F DB)	NOMINAL COOLING CAPACITY (MBH)	REFRIGERANT TYPE	AIRFLOW RATE (CFM) (MOD1, MOD2)	SOUND PRESSURE (dBA)	EFFICIENCY RATING (EER / IEER)
CU-1-1	SEE PLANS	20	2	95 / 75	23 - 122	240	R-410A	6286, 6286	61	12 / 25.4
CU-2-1	SEE PLANS	20	2	95 / 75	23 - 122	240	R-410A	6286, 6286	61	12 / 25.4
CU-2-2	SEE PLANS	10	1	95 / 75	23 - 122	120	R-410A	6286	61	12 / 25.4
CU-2-3	SEE PLANS	10	1	95 / 75	23 - 122	120	R-410A	6286	61	12 / 25.4
CU-3-1	SEE PLANS	10	1	95 / 75	23 - 122	120	R-410A	6286	61	12 / 25.4
CU-3-2	SEE PLANS	16	2	95 / 75	23 - 122	192	R-410A	6286, 5544	61	12 / 25.4
CU-4-1	SEE PLANS	16	2	95 / 75	23 - 122	192	R-410A	6286, 5544	61	12 / 25.4

AIR COOLED CONDENSING UNITS (CONTINUED)

EQUIPMENT NO.	BASIS OF DESIGN INFORMATION							REMARKS
	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)	
CU-1-1	DAIKIN	RXYQ240XATJA	49x31x67, 49x31x67	528, 528	208 / 3	36.3 / 45	36.3 / 45	1-3
CU-2-1	DAIKIN	RXYQ240XATJA	49x31x67, 49x31x67	528, 528	208 / 3	36.3 / 45	36.3 / 45	1-3
CU-2-2	DAIKIN	RXYQ120XATJA	49x31x67	528	208 / 3	36.3 / 45	-	1-3
CU-2-3	DAIKIN	RXYQ120XATJA	49x31x67	528	208 / 3	36.3 / 45	-	1-3
CU-3-1	DAIKIN	RXYQ120XATJA	49x31x67	528	208 / 3	36.3 / 45	-	1-3
CU-3-2	DAIKIN	RXYQ192XATJA	49x31x67, 37x31x67	528, 438	208 / 3	36.3 / 45	27.6 / 35	1-3
CU-4-1	DAIKIN	RXYQ192XATJA	49x31x67, 37x31x67	528, 438	208 / 3	36.3 / 45	27.6 / 35	1-3

- NOTES:
1. PROVIDE AND INSTALL MANUFACTURER'S SPECIFIED:
1.1. INTEGRATION KIT - EXPANSION VALVE(S)
1.2. 2 PIPE REFNET JOINT(S)
1.3. INTEGRATION KIT - Z-CONTROL BOX(S)
2. INSTALL UNIT ON 18" ROOF RAILS AS PER DETAILS WITH VIBRATION ISOLATION
3. WIND BAFFLE
4. THIS EQUIPMENT IS NOT IN THE CONTRACT AND INCLUDED FOR REFERENCE ONLY. EQUIPMENT TO BE SUPPLIED TO THE SCHOOL DISTRICT BY THE MANUFACTURER. SEE SPECIFICATIONS FOR MORE DETAILS.



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CONSULTANTS:

MARK	DATE	DESCRIPTION
1	02-02-2023	FINAL/BID DOCUMENT



DESIGNED BY: DAK	DRAWN BY: DAK	CHECKED BY: BMC	REVIEWED BY: REVIEWER
PROJECT NO.: WPSD2113	DATE: FEBRUARY 2023	SCALE:	AS SHOWN

CLIENT

White Plains City
School District

UV Replacements at the
George Washington
Elementary School



100 Orchard Street
White Plains NY, 10604

66-22-00-01-0-009-017

CONTRACT

CONTRACT H
HEATING VENTILATION AND AIR
CONDITIONING

STATUS

FINAL BID DOCUMENT

SHEET TITLE

MECHANICAL SCHEDULES -
SHEET 1 OF 2

DRAWING No.

M 600.00