																			JNIT VEI	NTILATO	R S	CHEDUI	LE								
		CONFIGUR-	TOTAL SUPPLY	MINIMUM O AIRFL	ow	MAXIMUM OUTSIDE			· ·	(	COOLING							HEATING	3		FILTE	ER ELEC	CTRICAL	UNIT	UNIT DIMENSIONS	SUNIT	BASIS OF			G UNIT VENTILATOR IN NORTH WING AS REMAIN. ALL OTHER UNIT VENTILATORS CED.	ALTERNATE NO. 200 REPLACE UNIT
UNIT TAG	ATIOI	ATION	AIRFLOW (CFM)	COOLING		AIRFLOW (CFM)	EADB (°F)	EAWB (°F)	LADB LA	AWB (°F)	WT LW1	WATER FLOW (GPM)	WATER PRESS- URE DROP FT H20	MIN TOTAL CAPACITY (BTU/H)	EADB (°F)	LADB (°F)	EWT L	.WT   FL	WATER TER PRESS DW URE PM) DROP FT H20	REQUIRED TOTAL CAPACITY (BTU/H)	MER\	MAN MCA FU	AX ISE V/PH/HZ ZE	WEIGHT LBS	(LxH, IN) (V.I.F.)	DEPTH (IN)	DESIGN	HANDING OF EX. COIL	HANDING OF NEW COIL	EX. UNIT VENTILATOR MODEL NUMBER (TRANE)	VENTILATORS IN NORTH WING
UV-101	RM 101	VERTICAL	1250	390	390	1250	80.7	69.3	55 5	54 4	44 54	7.42	7.0	37,100	52.3	90	180 ·	160 5	08 4.0	50,800	13	8.75 1	5 115/1/60	450	93x30	21.25	TRANE VUVE125			VUVB12510G0DAD0000011CG100001510	REPLACE UNIT VENTILATOR
UV-102	RM 102	VERTICAL	1250	390	390	1250	80.7	69.3	55 !	54 4	44 54	7.42	7.0	37,100	52.3	90			08 4.0	50,800	13		5 115/1/60		93x30	21.25				G VUVB12510G0DAD0000011CG100001510	REPLACE UNIT VENTILATOR
UV-103	RM 103	VERTICAL	1250	405	405	1250	80.8	69.3	55 (	54 4	44 54	7.42	7.0	37,100	51.6	90			19 4.0	51,900	13	8.75 1	5 115/1/60		93x30	21.25			LH COOLING/RH HEATING	G VUVB12510G0DAD0000011CG100001510	REPLACE UNIT VENTILATOR
UV-104	RM 104	HORIZONTAL	1500	460	460	1500	80.6	69.3	55 5	54 4	44 54	8.92	7.0	44,600	52.7	90			05 4.0	60,500	13	12 1	5 115/1/60		106.25x39		TRANE HUVC150	VIF	VIF	HUV_150	REPLACE UNIT VENTILATOR
UV-105	RM 105	VERTICAL	1250	405	405	1250	80.8	69.3	55 5	54 4	44 54	7.42	7.0	37,100	51.6	90	+ +		19 4.0	51,900	13	8.75 1	5 115/1/60		93x30	21.25	TRANE VUVE125			G VUVB12510G0DAD0000011CG100001510	REPLACE UNIT VENTILATOR
UV-106 UV-107	RM 106 RM 107	VERTICAL HORIZONTAL	1250	400	400	1250	90.6	60.3	55 5	54 2	44 54	7.42	7.0	37,100	51.8	90 90	<del>                                     </del>		15 4.0	51,500 59.800	13	12 1	5 115/1/60		93x30 106.25x39		TRANE VUVE125 TRANE HUVC150	RH COOLING/LH HEATING	LH COOLING/RH HEATING	G VUVB12510G0DAD0000011CG100001510	REPLACE UNIT VENTILATOR REPLACE UNIT VENTILATOR
UV-107	RM 107	VERTICAL	. 1500 1250	450 405	450 405	1500 1250	80.8	69.3	55	54 2	14 54	8.92 7.42	7.0	44,600 37,100	53.1 51.6	90	+		98 4.0 19 4.0	51,900	13	<del></del>	5 115/1/60 5 115/1/60		93x30	21.25	TRANE VUVE125	VIF	VIE	HUV_150 B VUVB12510G0DAD0000011CG100001510	REPLACE UNIT VENTILATOR
UV-108	RM 109	VERTICAL	1250	405	405	1500	80.8	69.3	55	54 4	44 54	7.42	7.0	37,100	51.6	90			19 4.0 19 4.0	51,900	13	8.75 1	5 115/1/60		93x30 93x30	21.25	TRANE VUVE125			G VUVB12510G0DAD0000011CG100001510	REPLACE UNIT VENTILATOR
UV-110	RM 110	HORIZONTAL	<u> </u>	415	415	1250	80.4	69.1	55 !	54 4	44 54	8.92	7.0	44,600	54.6	90	+ +		74 4.0	57,400	13	12 1	5 115/1/60		106.25x39	21.25	TRANE HUVC150	VIF	VIF	HUV 150	REPLACE UNIT VENTILATOR
UV-111	RM 111	VERTICAL	1250	405	405	1250	80.8	69.3	55 !	54 4	44 54	7.42	7.0	37.100	51.6	90	+ +		19 4.0	51,900	13	8 75 1	5 115/1/60		93x30		TRANE VUVE125	<u> </u>	V II	G VUVB12510G0DAD0000011CG100001510	REPLACE UNIT VENTILATOR
UV-112	RM 112	VERTICAL	1250	390	390	1250	80.7	69.3	55 !	54 4	44 54	7.42	7.0	37,100	52.3	90	1		08 4.0	50.800	13	0.70	5 115/1/60		93x30	21.25	TRANE VUVE125			G VUVB12510G0DAD0000011CG100001510	REPLACE UNIT VENTILATOR
UV-113	RM 113	VERTICAL	1250	390	390	1250	80.7	69.3	55 !	54	44 54	7.42	7.0	37,100	52.3	90			08 4.0	50,800	13		5 115/1/60		93x30	21.25				G VUVB12510G0DAD0000011CG100001510	REPLACE UNIT VENTILATOR
UV-114A	RM 114	VERTICAL	1250	365	365	1250	80.5	69.2	55 !	54	44 54	7.42	7.0	37,100	53.6	90			91 4.0	49,100	13	8.75 1	5 115/1/60		93x30	21.25				G VUVB12510G0DAD0000011CG100001510	REPLACE UNIT VENTILATOR
UV-114B	RM 115	VERTICAL	1250	365	365	1250	80.5	69.2	55 !	54 4	44 54	7.42	7.0	37,100	53.6	90	+		91 4.0	49,100	13	8 75 1	5 115/1/60		93x30	21.25	TRANE VUVE125			VUVB12510G0DAD0000011CG100001510	REPLACE UNIT VENTILATOR
UV-117A	RM 117	HORIZONTAL	<u> </u>	280	280	1250		68.9	55 5	54 4	44 54	7.42	7.0	37,100	57.9	90	+		34 4.0	43,400	13	12 1	5 115/1/60		94.25x38		TRANE HUVC125	VIF	VIF	HUV 150	REPLACE UNIT VENTILATOR
UV-117B	RM 117	HORIZONTAL		280	280	1250	79.9	68.9	55 5	54 4	44 54	7.42	7.0	37 100	57.9	90	+ +		34 4.0	43,400	13	12 1	5 115/1/60		94.25x38		TRANE HUVC125	VIF	VIF	HUV 150	REPLACE UNIT VENTILATOR
UV-118		HORIZONTAL		90	90	750	79.0	68.5	55 !	54 4	44 54	4 46	7.0	22,300	64.4	90	+		07 4.0	20,700	13	12 1	5 115/1/60		70.25x36			VIF	VIF	HUV 150	REPLACE UNIT VENTILATOR
UV-119	RM 119	HORIZONTAL	750	195	195	750	80.2	69.1	55	54 4	44 54	4.46	7.0	22,300	55.6	90			78 4.0	27,800	13	12 1	5 115/1/60		70.25x36		TRANE HUVC075	VIF	VIF	HUV 150	REPLACE UNIT VENTILATOR
UV-LL19	RM LL19	VERTICAL	1500	450	450	1250	80.6	69.2	55 5	54 4	44 54	8.92	7.0	44,600	53.1	90			98 4.0	59,800	13	8 75 1	5 115/1/60		105x30	_	TRANE VUVE150	<b>,</b> ,,	REPLACE UNIT VEN	_	NOT APPLICABLE
UV-LL21A		VERTICAL	1500	325	325	1500	79.8		55 5	54 4	44 54	_	7.0	44,600					13 4.0	51,300	13	8.75 1				_	TRANE VUVE150		REPLACE UNIT VEN		NOT APPLICABLE
UV-LL21B	RM LL21	VERTICAL	1500	325	325	1500		68.9	55 5	54 4	44 54	8.92	7.0	44,600	58.4	90			13 5.0	51,300	14	8.75 1	5 115/1/60	_	105x30	_	TRANE VUVE150		REPLACE UNIT VEN		NOT APPLICABLE
UV-200	RM 200	VERTICAL	750	75	75	750	78.9	68.4	55 5	54 4	44 54	4.46	7.0	22,300	65.7	90	180	160 1	97 6.0	19,700	15	4.38 1	5 115/1/60		69x30	_		RH COOLING/LH HEATING		G VUVB12510G0DAD0000011CG100001510	REPLACE UNIT VENTILATOR
UV-201	RM 201	VERTICAL	1250	390	390	1250	80.7	69.3	55 5	54 4	44 54	7.42	7.0	37,100	52.3	90	180	160 5	08 4.0	50,800	13	8.75 1	5 115/1/60		93x30	21.25				G VUVB12510G0DAD0000011CG100001510	REPLACE UNIT VENTILATOR
UV-202	RM 202	VERTICAL	1250	390	390	1250	80.7	69.3	55 5	54 4	44 54	7.42	7.0	37,100	52.3	90	180	160 5	08 4.0	50,800	13	8.75 1	5 115/1/60		93x30		TRANE VUVE125			G VUVB12510G0DAD0000011CG100001510	REPLACE UNIT VENTILATOR
UV-203	RM 203	VERTICAL	1250	405	405	1250	80.8	69.3	55 5	54 4	44 54	7.42	7.0	37,100	51.6	90	180		19 4.0	51,900	13	8.75 1	5 115/1/60		93x30	21.25	TRANE VUVE125	RH COOLING/LH HEATING	LH COOLING/RH HEATING	G VUVB12510G0DAD0000011CG100001510	REPLACE UNIT VENTILATOR
UV-204	RM 204	HORIZONTAL	+	460	460	1500	80.6	69.3	55 5	54 4	44 54	8.92	7.0	44,600	52.7	90	180	160 6	05 4.0	60,500	13	12 1	5 115/1/60		106.25x39	21.25	TRANE HUVC150	VIF	VIF	HUV 150	REPLACE UNIT VENTILATOR
UV-205	RM 205	VERTICAL	1250	405	405	1250	80.8	69.3	55 5	54 4	44 54	7.42	7.0	37,100	51.6	90	180	160 5	19 4.0	51,900	13	8.75 1	5 115/1/60	450	93x30	_	TRANE VUVE125	RH COOLING/LH HEATING	LH COOLING/RH HEATING	UVB12510G0DAD0000011CG100001510	REPLACE UNIT VENTILATOR
UV-206	RM 206	VERTICAL	1250	400	400	1250	80.7	69.3	55 5	54 4	44 54	7.42	7.0	37,100	51.8	90	180	160 5	15 4.0	51,500	13	8.75 1	5 115/1/60	450	93x30	21.25	TRANE VUVE125	RH COOLING/LH HEATING	LH COOLING/RH HEATING	G VUVB12510G0DAD0000011CG100001510	REPLACE UNIT VENTILATOR
UV-207	RM 207	HORIZONTAL	1500	450	450	1500	80.6	69.2	55 5	54 4	44 54	8.92	7.0	44,600	53.1	90	180	160 5	98 4.0	59,800	13	12 1	5 115/1/60	500	106.25x39	21.25	TRANE HUVC150	VIF	VIF	HUV_150	REPLACE UNIT VENTILATOR
UV-208	RM 208	VERTICAL	1250	405	405	1250	80.8	69.3	55 5	54 4	44 54	7.42	7.0	37,100	51.6	90	180	160 5	19 4.0	51,900	13	8.75 1	5 115/1/60	450	93x30	21.25	TRANE VUVE125	RH COOLING/LH HEATING	LH COOLING/RH HEATING	VUVB12510G0DAD0000011CG100001510	REPLACE UNIT VENTILATOR
UV-209	RM 209	VERTICAL	1250	405	405	1250	80.8	69.3	55	54 4	44 54	7.42	7.0	37,100	51.6	90	180	160 5	19 4.0	51,900	13	8.75 1	5 115/1/60	450	93x30	21.25	TRANE VUVE125	RH COOLING/LH HEATING	LH COOLING/RH HEATING	VUVB12510G0DAD0000011CG100001510	REPLACE UNIT VENTILATOR
UV-210	RM 210	HORIZONTAL	1500	450	450	1500	80.6	69.2	55	54 4	44 54	8.92	7.0	44,600	53.1	90	180	160 5	98 4.0	59,800	13	12 1	5 115/1/60	500	106.25x39	21.25	TRANE HUVC150	VIF	VIF	HUV_150	REPLACE UNIT VENTILATOR
UV-211	RM 211	VERTICAL	1250	405	405	1250	80.8	69.3	55 5	54 4	44 54	7.42	7.0	37,100	51.6	90	180	160 5	19 4.0	51,900	13	8.75 1	5 115/1/60	450	93x30	21.25	TRANE VUVE125	RH COOLING/LH HEATING	LH COOLING/RH HEATING	VUVB12510G0DAD0000011CG100001510	REPLACE UNIT VENTILATOR
UV-212	RM 212	VERTICAL	1250	390	390	1250	80.7	69.3	55	54 4	44 54	7.42	7.0	37,100	52.3	90	180 ·	160 5	08 4.0	50,800	13	8.75 1	5 115/1/60	450	93x30	21.25	TRANE VUVE125	RH COOLING/LH HEATING	LH COOLING/RH HEATING	VUVB12510G0DAD0000011CG100001510	REPLACE UNIT VENTILATOR
UV-213	RM 213	VERTICAL	1250	390	390	1250	80.7	69.3	55	54 4	44 54	7.42	7.0	37,100	52.3	90	180	160 5	08 4.0	50,800	13	8.75 1	5 115/1/60	450	93x30	21.25	TRANE VUVE125	RH COOLING/LH HEATING	LH COOLING/RH HEATING	VUVB12510G0DAD0000011CG100001510	REPLACE UNIT VENTILATOR
UV-213A	RM 213A	VERTICAL	750	105	105	750	79.2	68.6	55	54 4	44 54	4.46	7.0	22,300	63.2	90	180	160 2	17 4.0	21,700	13	4.38 1	5 115/1/60	320	69x30	21.25	TRANE VUVE075	RH COOLING/LH HEATING	LH COOLING/RH HEATING	VUVB12510G0DAD0000011CG100001510	REPLACE UNIT VENTILATOR
UV-214A	RM 214	VERTICAL	1250	325	325	1250	80.2	69.1	55	54 4	44 54	7.42	7.0	37,100	55.6	90	180	160 4	64 4.0	46,400	13	8.75 1	5 115/1/60	450	93x30	21.25	TRANE VUVE125	RH COOLING/LH HEATING	LH COOLING/RH HEATING	WUVB12510G0DAD0000011CG100001510	REPLACE UNIT VENTILATOR
UV-214B	RM 214	VERTICAL	1250	280	280	1250	79.9	68.9	55 !	54 4	44 54	7.42	7.0	37,100	57.9	90	180	160 4	34 4.0	43,400	13	8.75 1	5 115/1/60	450	93x30	21.25	TRANE VUVE125	RH COOLING/LH HEATING	LH COOLING/RH HEATING	WUVB12510G0DAD0000011CG100001510	REPLACE UNIT VENTILATOR
UV-217A	RM 217	VERTICAL	1250	240	240	1250	79.6	68.8	55 5	54 4	44 54	7.42	7.0	37,100	59.9	90	180	160 4	06 4.0	40,600	13	8.75 1	5 115/1/60	450	93x30	21.25	TRANE VUVE125	RH COOLING/LH HEATING	LH COOLING/RH HEATING	G VUVB12510G0DAD0000011CG100001510	REPLACE UNIT VENTILATOR
UV-217B	RM 217	VERTICAL	1250	240	240	1250	79.6	68.8	55 5	54 4	44 54	7.42	7.0	37,100	59.9	90	180 ·	160 4	06 4.0	40,600	13	8.75 1	5 115/1/60	450	93x30	21.25	TRANE VUVE125	RH COOLING/LH HEATING	LH COOLING/RH HEATING	VUVB12510G0DAD0000011CG100001510	REPLACE UNIT VENTILATOR
UV-218	RM 218	VERTICAL	750	90	90	750		68.5	55	54 4	44   54	4.46	7.0	22,300	64.4	90	<del>                                     </del>		07 4.0	20,700	13	4.38 1	5 115/1/60		69x30	21.25	TRANE VUVE075			VUVB12510G0DAD0000011CG100001510	REPLACE UNIT VENTILATOR
UV-219	RM-219	VERTICAL	750	150	150	750		68.8	55   5	54 4	44   54	4.46	7.0	22,300	59.4	90	1		48 4.0	24,800	13	4.38 1	5 115/1/60	_	69x30		TRANE VUVE075	RH COOLING/LH HEATING		VUVB12510G0DAD0000011CG100001510	REPLACE UNIT VENTILATOR
UV-17A	RM 17	VERTICAL	1250	270	270	1250	79.8	68.9	55   5	54 4	44 54	7.42	7.0	37,100	58.4	90	+		27 4.0	42,700	13	8.75 1	5 115/1/60	-	93x30		TRANE VUVE125		REPLACE UNIT VEN		NOT APPLICABLE
UV-17B	RM 17	VERTICAL	1250	270	270	1250	79.8	68.9	55   5	54 4	44   54	7.42	7.0	37,100	58.4	90			27 4.0	42,700	13	8.75 1	5 115/1/60	_	93x30	_	TRANE VUVE125		REPLACE UNIT VEN		NOT APPLICABLE
UV-18A	RM 18	VERTICAL	1000	180	180	1000	79.5	68.7	55   5	54 4	44   54	5.94	7.0	29,700	60.7	90			17 4.0	31,700	13		5 115/1/60		81x30		TRANE VUVE100		REPLACE UNIT VEN		NOT APPLICABLE
UV-18B	RM 18	VERTICAL	1000	180	180	1000		68.7	55 5	54 4	44 54	5.94	7.0	29,700	60.7	90			17 4.0	31,700	13		5 115/1/60		81x30		TRANE VUVE100		REPLACE UNIT VEN		NOT APPLICABLE
UV-23	RM 23	VERTICAL	1500	300	300	1250		68.8		54 4	44   54	8.92	7.0	44,600	59.4	90			96 4.0	49,600	13	8.75 1	5 115/1/60		105x30		TRANE VUVE150		REPLACE UNIT VEN		NOT APPLICABLE
UV-24	RM 24	VERTICAL	1500	165	165	1250	78.9	68.5	55 (	54 4	44   54	8.92	7.0	44,600	65.1	90	180	160 4	04 4.0	40,400	13	8.75   1	5   115/1/60	0 470	105x30	21.25	TRANE VUVE150		REPLACE UNIT VEN	ITILATOR	NOT APPLICABLE

1. PROVIDE 4-PIPE COIL. VERFIY COIL HANDING IN FIELD FOR EACH UNIT PRIOR TO FABRICATION. INCLUDE COIL HANDING IN THE UNIT VENTILATOR SUBMITTAL.

2. PROVIDE ECM FAN MOTOR AND SZVAV CONTROL.

3. PROVIDE A 3-WAY MODULATING CONTROL VALVE FOR HOT WATER AND A 2-WAY MODULATING CONTROL VALVE FOR CHILLED WATER FOR ALL UNIT VENTILATORS, EXISTING AND NEW. 4. PROVIDE LOW-LEAKGE OUTSIDE AIR DAMPER.

5. PROVIDE ECONOMIZER WITH FAULT DETECTION DIAGNOSIS.

6. UNIT VENTILATORS SHALL BE SELECTED TO MATCH THE FOOTPRINT OF THE EXISTING UNIT VENTILATOR WHEREVER POSSIBLE. VERFIY IN FIELD THE PHYSICAL DIMENSIONS OF ALL EXISTING UNIT VENTILATORS AND SUBMIT FOR APPROVAL PRIOR TO FABRICATION.

7. INCLUDE THE REPLACEMENT OF THE COILS IN THE EXISTING UNIT VENTILATORS AS SCHEDULED ABOVE IN THE BASE BID. PROVIDE AN ALTERNATE PRICE FOR THE REPLACEMENT OF THE UNIT VENTILATOR AS INDICATED IN THE SCHEDULE. 8. PROVIDE WITH SIEMENS CONTROLS.

9. PROVIDE WITH AN INTERNAL DISCONNECT SWITCH.

													All	R HAN	IDLIN	G UNIT	Γ SCHE	EDULE															
UNIT # LOCATION / AREA SERVED	SUPPLY AIRFLOW (CFM)	OUTSIDE AIRFLOW (CFM)	OA DCV MIN (CFM)	EXTERNAL STATIC MOT PRESSURE (IN WC)	SUPPLY  OR SPEE CONTE	:D DRI	VE HOUSII	NG FACE VELOCIT (FPM)	PRESSURE Y DROP (IN WC)	MINIMUM CAPACITY (BTU/H)	WATER PREHE WATER FLOW RAT (GPM)	WATER	EWT (°F)	LWT E/	AT LAT B DB F) (°F)	FACE VELOCITY (FPM)	PRESSURE DROP (IN WC)	CHILLE MINIMUM CAPACITY (BTU/H)	WATER FLOW RATE (GPM)	WATER PRESS DROP (FT)	EWT LW (°F) (°F	T EAT EAT DB WB (°F)	LAT LAT DB WB (°F) (°F)	MERV	TYPE	FILTER PRESSURE DROP, CLEAN (IN WC)	PRESSURE DROP, MID-LIFE (IN WC)	PRESSURE DROP, DIRTY (IN WC)	MCA	ELECTRICAL  MAX FUSE SIZE  VOLT/P	WE	SS)	
AHU-20 CAFETERIA	11,000	2,990	180	2.0 10	VARIAI	BLE DIRE	CT PLENU	JM 500	1.0	376,600	37.7	5	180	160 58	3.3 90	500	1.0	363,000	72.6	10	54 44	76 65	55 55	13	12" CARTRIDGE	0.14	0.57	1.00	31.5	45 208/3/	60 35	00 TRANE CSAA, SIZE 25	ALT. NO

AIR HANDLING UNIT SCHEDULE NOTES:

1. PROVIDE A VARIABLE FREQUENCY DRIVE FOR SUPPLY FAN CONTROL, DISCONNECT SWITCH, AND CONTROLS.

2. PROVIDE BASE RAIL AND MOUNTING HARDWARE AS REQUIRED FOR MOUNTING ON VIBRATION ISOLATORS.
3. EACH SECTION SHALL BE PROVIDED WITH AN ACCESS DOOR. VERIFY ACCESS DOOR LOCATIONS AND CONFIGURATIONS IN FIELD AND SUBMIT FOR APPROVAL PRIOR TO FABRICATION AND INSTALLATION.

4. AHUS SHALL BE CUSTOM FABRICATED AND SHIPPED KNOCKED DOWN TO FIT THROUGH EXISTING BUILDING OPENINGS (36" WIDE x 80" HIGH EXISTING DOORWAYS TO BE VIF). 5. PROVIDE WITH THE FOLLOWING SECTIONS AT A MINIMUM: MIXING SECTION, FILTER SECTION, PREHEAT COIL, ACCESS SECTION, COOLING COIL, ACCESS SECTION, FAN SECTION.

6. PROVIDE SCHEDULED OCCUPANCY DEMAND CONTROLLED VENTILATION.
7. REPLACE AHU-20 PER THE SCHEDULE UNDER ALTERNATE NO. 201. RETROFIT CONTROLS AND PIPING TO THE COILS UNDER THE BASE BID.

		BIDDIN	SED A	BIDDIN	Revisio	
		09-14-23	06-09-23	12-28-22	Date	
		3	2	-	No.	
					-24	
					1-30	
				3 09-14-23 BIDDIN 2 06-09-23 SED A		

UNIVENT REPLACEMENT
AT
AT
WILLOW GROVE
ELEMENTARY SCHOOL
SED# 50-02-01-06-0-030-016
153 STORIS RD
THIRLS, NY 10964

