UNIT VENTILATOR SCHEDULE NOTES:

DISCONNECT SWITCH.

PROVIDE WITH CONDENSATE PUMP.
 ELECTRICAL CONTRACTOR TO PROVIDE ALL UNIT VENTILATORS WITH FACTORY MADE

										UNIT \	/ENTILA	TOR SC	HEDU	LE											
120224			TOTAL	MINIMUM AIRF					COOLI	NG			1	HEATING			FILTER	E	ELECTRIC	AL	WEIGHT		UNIT DEPTH	BASIS OF DESIGN	NOTES
UNIT TAG	LOCATION	CONFIGURATION	SUPPLY			MAXIMUM OUTSIDE					MIN	REQUIRED	HEAT	PUMP	НС	OT WATER					LBS	UNIT DIMENSIONS (LxH, IN)	(IN)		
OUTDOO R UNIT	LOCATION	CONTROCKATION	AIRFLOW (CFM)	COOLING	HEATING	AIRFLOW (CFM)	EADB	EAWB	LADB	LAWB	TOTAL	TOTAL	EADB	LADB	EWT	LWT	MERV	MCA	MAX FUSE	V/PH/HZ		(V.I.F.)		MODEL NUMBER	
			(3.11)			(3.11)	(°F)	(°F)	(°F)	(°F)	CAPACITY (BTU/H)	CAPACITY (BTU/H)	(°F)	(°F)	(°F)	(°F) GPM			SIZE						
UV-141 HP-1	RM 141	VERTICAL	750	435	435	750	82.9	67.0	55	54	22,300	44,200	35.5	90	140	120 4.42	13	4.38	16	115/1/60	320	69x30	21.25	TRANE VUVE075	
UV-142 HP-1 UV-144 HP-1	RM 142 RM 144	VERTICAL VERTICAL	1000	470	470 410	1000	82.0 82.6	67.0 67.0	55 55	54 54	29,700	51,400	42.4	90	140	120 5.14 120 4.25	13	4.38	16	115/1/60	405	81x30 69x30	21.25	TRANE VUVE100 TRANE VUVE075	
UV-145A HP-1	RM 144	VERTICAL	750 1000	410 185	185	750 1000	79.6	67.0	55 55	54	22,300 29,700	42,500 32,000	37.6 60.3	90 90	140 140	120 4.25 120 3.2	13 13	4.38 4.38	16 16	115/1/60 115/1/60	320 405	81x30	21.25	TRANE VUVE100	
UV-145B HP-1	RM 145	VERTICAL	1000	185	185	1000	79.6	67.0	55	54	29,700	32,000	60.3	90	140	120 3.2	13	4.38	16	115/1/60	405	81x30	21.25	TRANE VUVE100	
UV-146 HP-1 UV-148 HP-1	RM 146 RM 148	VERTICAL VERTICAL	750 750	415 290	415 290	750 750	82.7 81.3	67.0 67.0	55 55	54 54	22,300 22,300	42,800 34,300	37.1 47.6	90 90	140 140	120 4.28 120 3.43	13 13	4.38 4.38	16 16	115/1/60 115/1/60	320 320	69x30 69x30	21.25	TRANE VUVE075 TRANE VUVE075	
UV-150 HP-1	RM 150	VERTICAL	750	420	420	750	82.8	67.0	55	54	22,300	43,200	36.7	90	140	120 4.32	13	4.38	16	115/1/60	320	69x30	21.25	TRANE VUVE075	
UV-151 HP-1	RM 151	VERTICAL	750 750	300	300	750	81.4	67.0 67.0	55 55	54	22,300	35,000	46.8	90	140	120 3.5	13	4.38	16	115/1/60	320	69x30	21.25	TRANE VUVE075	
UV-152 HP-1 UV-153 HP-1	RM 152 RM 153	VERTICAL VERTICAL	750 750	50 270	50 270	750 750	78.6 81.1	67.0	55	54 54	22,300 22,300	18,000 33,000	67.8 49.3	90 90	140 140	120 1.8 120 3.3	13 13	4.38 4.38	16 16	115/1/60 115/1/60	320 320	69x30 69x30	21.25	TRANE VUVE075 TRANE VUVE075	
UV-154A HP-1	RM 154	VERTICAL	750	165	165	750	79.9	67.0	55	54	22,300	25,800	58.1	90	140	120 2.58	13	4.38	16	115/1/60	320	69x30	21.25	TRANE VUVE075	
UV-154B HP-1 UV-158 HP-1	RM 154 RM 158	VERTICAL HORIZONTAL	750 1250	165 450	165 450	750 1250	79.9 81.1	67.0 67.0	55 55	54 54	22,300 37,100	25,800 54,900	58.1 49.3	90 90	140 140	120 2.58 120 5.49	13 13	4.38 12	16 16	115/1/60 115/1/60	320 435	69x30 94.25x38	21.25	TRANE VUVE075 TRANE HUVC125	1
UV-123 HP-2	RM 123	VERTICAL	750	80	80	750	78.9	67.0	55	54	22,300	20,000	65.3	90	140	120 3.43	13	4.38	16	115/1/60	320	69x30	21.25	TRANE VUVE075	1
UV-124 HP-2	RM 124	VERTICAL	750	305	305	750	81.5	67.0	55	54	22,300	35,300	46.4	90	140	120 3.53	13	4.38	16	115/1/60	320	69x30	21.25	TRANE VUVE075	
UV-125 HP-2 UV-127 HP-2	RM 125 RM 127	VERTICAL VERTICAL	750 750	425 410	425 410	750 750	82.8 82.6	67.0 67.0	55	54 54	22,300 22,300	43,500 42,500	36.3 37.6	90 90	140 140	120 4.35 120 4.25	13 13	4.38 4.38	16 16	115/1/60 115/1/60	320 320	69x30 69x30	21.25	TRANE VUVE075 TRANE VUVE075	
UV-129 HP-2	RM 129	VERTICAL	750	425	425	750	82.8	67.0	55	54	22,300	43,500	36.3	90	140	120 4.35		4.38	16	115/1/60	320	69x30	21.25	TRANE VUVE075	
UV-130 HP-2 UV-132 HP-2	RM 130 RM 132	VERTICAL VERTICAL	750 750	425	425 425	750 750	82.8 82.8	67.0 67.0	55 55	54 54	22,300 22,300	43,500 43,500	36.3 36.3	90 90	140 140	120 4.35 120 4.35	13	4.38 4.38	16 16	115/1/60 115/1/60	320 320	69x30 69x30	21.25	TRANE VUVE075 TRANE VUVE075	
UV-133 HP-2	RM 133	VERTICAL	750	430	430	750	82.9	67.0	55	54	22,300	43,800	35.9	90	140	120 4.38	13	4.38	16	115/1/60	320	69x30	21.25	TRANE VUVE075	
UV-134 HP-2	RM 134	VERTICAL	750	425	425	750	82.8	67.0	55	54	22,300	43,500	36.3	90	140	120 4.35		4.38	16	115/1/60	320	69x30	21.25	TRANE VUVE075	
UV-135 HP-2 UV-136 HP-2	RM 135 RM 136	VERTICAL VERTICAL	750 750	430 425	430 425	750 750	82.9 82.8	67.0 67.0	55 55	54 54	22,300 22,300	43,800 43,500	35.9 36.3	90 90	140 140	120 4.38 120 4.35	13 13	4.38 4.38	16 16	115/1/60 115/1/60	320 320	69x30 69x30	21.25	TRANE VUVE075 TRANE VUVE075	
UV-137 HP-2	RM 137	VERTICAL	750	430	430	750	82.9	67.0	55	54	22,300	43,800	35.9	90	140	120 4.38	13	4.38	16	115/1/60	320	69x30	21.25	TRANE VUVE075	
UV-138A HP-2	RM 138A	VERTICAL	750 750	255	255	750	80.9	67.0	55 55	54	22,300	31,900	50.6	90	140	120 3.19		4.38	16	115/1/60	320	69x30	21.25	TRANE VUVE075	
UV-138B HP-2 UV-139 HP-2	RM 138B RM 139	HORIZONTAL VERTICAL	750 1000	270 470	270 470	750 1000	81.1 82.0	67.0 67.0	55	54 54	22,300 29,700	33,000 51,400	49.3 42.4	90 90	140 140	120 3.3 120 5.14	13 13	12 4.38	16 16	115/1/60 115/1/60	340 405	70.25x36 81x30	21.25	TRANE HUVC075 TRANE VUVE100	
UV-140 HP-2	RM 140	VERTICAL	750	445	445	750	83.0	67.0	55	54	22,300	44,900	34.6	90	140	120 4.49	13	4.38	16	115/1/60	320	69x30	21.25	TRANE VUVE075	
UV-159 HP-2 UV-101A HP-3	RM 159 RM 101	HORIZONTAL VERTICAL	1250 750	400 255	400 255	1250 750	80.7 80.9	67.0 67.0	55 55	54 54	37,100 22,300	51,500 31,900	51.8 50.6	90 90	140 140	120 5.15 120 3.19		12 4.38	16 16	115/1/60 115/1/60	435 320	94.25x38 69x30	21.25	TRANE HUVC125 TRANE VUVE075	1
UV-101B HP-3	RM 101	VERTICAL	750	255	255	750	80.9	67.0	55	54	22,300	31,900	50.6	90	140	120 3.19		4.38	16	115/1/60	320	69x30	21.25	TRANE VUVE075	
UV-103 HP-3 UV-105 HP-3	RM 103 RM 105	VERTICAL VERTICAL	1000 750	435 115	435 115	1000 750	81.7 79.3	67.0 67.0	55 55	54 54	29,700 22,300	49,000 22,400	44.6 62.3	90 90	140 140	120 4.9 120 2.24	13 13	4.38 4.38	16 16	115/1/60 115/1/60	405 320	81x30 69x30	21.25	TRANE VUVE100 TRANE VUVE075	
UV-106 HP-3	RM 106	VERTICAL	750	40	40	750	78.5	67.0	55	54	22,300	17,300	68.6	90	140	120 2.24	13	4.38	16	115/1/60	320	69x30	21.25	TRANE VUVE075	1
UV-107 HP-3	RM 107	HORIZONTAL	2000	760	760	2000	81.2	67.0	55	54	59,400	90,600	48.1	90	140	120 9.06	13	12	16	115/1/60	600	106.25x43	21.25	TRANE HUVC200	1
UV-108 HP-3 UV-111 HP-3	RM 108 RM 111	HORIZONTAL HORIZONTAL	2000 750	755 250	755 250	2000 750	81.2 80.8	67.0 67.0	55 55	54 54	59,400 22,300	90,300	48.2 51.0	90 90	140 140	120 9.03 120 3.16	13 13	12 12	16 16	115/1/60 115/1/60	600 340	106.25x43 70.25x36	21.25	TRANE HUVC200 TRANE HUVC075	1 1
UV-112 HP-3	RM 112	VERTICAL	750	440	440	750	83.0	67.0	55	54	22,300	44,500	35.0	90	140	120 4.45	13	4.38	16	115/1/60	320	69x30	21.25	TRANE VUVE075	
UV-113 HP-3 UV-114 HP-3	RM 113 RM 114	VERTICAL VERTICAL	750 750	440	440 440	750 750	83.0 83.0	67.0 67.0	55 55	54 54	22,300 22,300	44,500 44,500	35.0 35.0	90 90	140 140	120 4.45 120 4.45	13 13	4.38 4.38	16 16	115/1/60 115/1/60	320 320	69x30 69x30	21.25	TRANE VUVE075 TRANE VUVE075	
UV-115 HP-3	RM 115	VERTICAL	750	450	450	750	83.1	67.0	55	54	22,300	45,200	34.2	90	140	120 4.43	_	4.38	16	115/1/60	320	69x30	21.25	TRANE VUVE075	
UV-116 HP-3	RM 116	VERTICAL	750	440	440	750	83.0	67.0	55	54	22,300	44,500	35.0	90	140	120 4.45	13	4.38	16	115/1/60	320	69x30	21.25	TRANE VUVE075	
UV-117 HP-3 UV-118 HP-3	RM 117 RM 118	VERTICAL VERTICAL	750 750	445 445	445 445	750 750	83.0	67.0 67.0	55 55	54 54	22,300 22,300	44,900 44,900	34.6 34.6	90 90	140 140	120 4.49 120 4.49	13 13	4.38 4.38	16 16	115/1/60 115/1/60	320 320	69x30 69x30	21.25	TRANE VUVE075 TRANE VUVE075	
UV-121 HP-3	RM 121	VERTICAL	750	50	50	750	78.6	67.0	55	54	22,300	18,000	67.8	90	140	120 1.8	13	4.38	16	115/1/60	320	69x30	21.25	TRANE VUVE075	
UV-122 HP-3 IU-120 HP-3	RM 122 RM 120	VERTICAL CEILING CASSETTE	750 150	60	60 20	750 150	78.7 79.1	67.0 67.0	55 55	54 54	22,300 4,500	18,700 4,300	67.0 63.6	90 90	140 N/A	120 1.87 N/A N/A	13 13	4.38	16	115/1/60 208/1/160	320 46	69x30 33.06 X 33.06	21.25 37.4	TRANE VUVE075 TRANE PLA-A12EA7	
IU-128 HP-3	RM 128	CEILING CASSETTE	250	35	35	250	79.1	67.0	55	54	7,400	7,200	63.2	90	N/A	N/A N/A	13	1		208/1/161	46	33.06 X 33.06		TRANE PLA-A12EA7	
		CEILING CASSETTE	250	35	35	250	79.2	67.0	55	54	7,400	7,200	63.2	90		N/A N/A	_	1		208/1/162	 	33.06 X 33.06		TRANE PLA-A12EA7	
IU-128D HP-3 IU-158A HP-1		CEILING CASSETTE CEILING CASSETTE	110 110	35 35	35 35	110 110	80.7 80.7	67.0 67.0	55 55	54 54	3,300 3,300	4,500 4,500	52.0 52.0	90 90	N/A N/A	N/A N/A		1		208/1/163 208/1/164		33.06 X 33.06 33.06 X 33.06		TRANE PLA-A12EA7 TRANE PLA-A12EA7	
IU-159A HP-2	RM 159A	CEILING CASSETTE	110	35	35	110	80.7	67.0	55	54	3,300	4,500	52.0	90	N/A	 		1		208/1/165	46	33.06 X 33.06	37.4	TRANE PLA-A12EA7	
UV-202 HP-4 UV-203 HP-4	RM 202 RM 203	VERTICAL VERTICAL	750 750	435 415	435 415	750 750	82.9 82.7	67.0 67.0	55 55	54 54	22,300 22,300	44,200 42,800	35.5 37.1	90 90	140 140	120 4.42 120 4.28		4.38 4.38	16 16	115/1/60 115/1/60	320 320	69x30 69x30	21.25	TRANE VUVE075 TRANE VUVE075	
UV-204 HP-4	RM 204	VERTICAL	750	330	330	750	81.7	67.0	55	54	22,300	37,000	44.3	90	140	 	13	4.38	16	115/1/60	320	69x30	21.25	TRANE VUVE075	
UV-205 HP-4	RM 205	VERTICAL	750 750	50	50	750 750	78.6	67.0	55 55	54	22,300	18,000	67.8	90	140	120 1.8	13	4.38	16	115/1/60	320	69x30	21.25	TRANE VUVE075	
UV-206 HP-4 UV-207 HP-4	RM 206 RM 207	VERTICAL VERTICAL	750 750	330 410	330 410	750 750	81.7 82.6	67.0 67.0	55 55	54 54	22,300 22,300	37,000 42,500	44.3 37.6	90 90	140 140	 	13 13	4.38 4.38	16 16	115/1/60 115/1/60	320 320	69x30 69x30	21.25	TRANE VUVE075 TRANE VUVE075	
UV-208 HP-4	RM 208	VERTICAL	1000	490	490	1000	82.2	67.0	55	54	29,700	52,800	41.1	90	140	120 5.28	13	4.38	16	115/1/60	405	81x30	21.25	TRANE VUVE100	
UV-209 HP-4 UV-210 HP-4	RM 209 RM 210	VERTICAL VERTICAL	750 750	415 420	415 420	750 750	82.7 82.8	67.0 67.0	55 55	54 54	22,300 22,300	42,800 43,200	37.1 36.7	90 90	140 140	120 4.28 120 4.32	+	4.38 4.38	16 16	115/1/60 115/1/60	320 320	69x30 69x30	21.25	TRANE VUVE075 TRANE VUVE075	
UV-211 HP-4	RM 211	VERTICAL	750	410	410	750 750	82.6	67.0	55	54	22,300	42,500	37.6	90	140	l		4.38	16	115/1/60	320	69x30	21.25	TRANE VUVE075	
UV-212 HP-4	RM 212	VERTICAL	1000	490	490	1000	82.2	67.0	55 55	54	29,700	52,800	41.1	90	140	 		4.38	16	115/1/60	405	81x30	21.25	TRANE VUVE100	
UV-213 HP-4	RM 213	VERTICAL	750	420	420	750	82.8	67.0	55	54	22,300	43,200	36.7	90	140	120 4.32	13	4.38	16	115/1/60	320	69x30	21.25	TRANE VUVE075	

DUCTLESS HEAT PUMP OUTDOOR UNIT SCHEDULE																				
UNIT#	.# LOCATION COOLING CAPACITY FER IFER REFRIG- ERANT CHAI		REFRIG CHARGE	HEATING TYPE	CONDENSER COMPRESSO		ELECTRICAL				UNIT WEIGHT	BASIS OF DESIGN		REMARKS						
		CAPACITY (MBH)	(MBH)			ERANT	SAFETY CLASS	(LBS)		EA DB °F (COOLING/ HEATING)	TYPE	VOLTS	PHASE	Hz	MOCP (A)	MCA (A)	(LBS)	MANUFACTURER	MODEL#	
HP-1	ROOF	264.0	295.0	9.3	12.5	R410A	A1	34.375	HEAT PUMP	95/0	SCROLL	208	3	60	80 / 60	49.0 / 41.0	1,302	TRANE	TURYE2643BN40A(N/B)	SEE NOTES
HP-2	ROOF	384.0	430.0	9.3	12.5	R410A	A1	52.125	HEAT PUMP	95/0	SCROLL	208	3	60	110 / 110	66.0 / 66.0	1,774	TRANE	TURYE3843BN40A(N/B)	SEE NOTES
HP-3	ROOF	384.0	430.0	9.3	12.5	R410A	A1	52.125	HEAT PUMP	95/0	SCROLL	208	3	60	110 / 110	66.0 / 66.0	1,774	TRANE	TURYE3843BN40A(N/B)	SEE NOTES
HP-4	ROOF	432.0	480.0	9.3	12.5	R410A	A1	52.125	HEAT PUMP	95/0	SCROLL	208	3	60	125 / 125	73.0 / 73.0	1,774	TRANE	TURYE4323BN40A(N/B)	SEE NOTES

DUCTLESS SPLIT-SYSTEM OUTDOOR UNIT SCHEDULE NOTES:

1. REFER TO THE DUCTLESS HEAT PUMP INDOOR UNIT SCHEDULE FOR CORRESPONDING INDOOR UNITS. ALL UNITS SHALL BE A PRODUCT OF ONE MANUFACTURER.

2. FURNISH DISCONNECT SWITCH TO BE INSTALLED AND WIRED BY ELECTRICAL CONTRACTOR.

3. PROVIDE STAND ALONE FACTORY INSTALLED DIRECT DIGITAL CONTROLS AS NECESSARY TO SATISFY THE SEQUENCE OF OPERATIONS.

4. PROVIDE VIBRATION ISOLATION.
5. PROVIDE MANUFACTURER'S STANDARD OUTDOOR UNIT DRAIN PAN WITH BASE PAN HEATER AND PIPE TO NEARBY DRAIN.
6. PROVIDE WIND BAFFLE AND OTHER ACCESSORIES AS REQUIRED BY THE MANUFACTURER FOR LOW AMBIENT COOLING AND HEATING TO 0°F OUTDOOR DRY-BULB TEMPERATURE.

V	RF HEAT F	RECOVE	ERY BRA	ANCH C	IRCUIT CO	NTROL	LER SC	CHEDUL	E
TAG REFERENCE	MODEL NUMBER	TYPE (DOUBLE / MAIN / SUB)	NUMBER OF PORTS	CONNECTED CAPACITY TO BC	VOLTAGE / PHASE	POWER COOLING 208V/230V (KW)	POWER HEATING 208V/230V (KW)	MCA 208/230	NOTES / OPTIONS
BC-1	TCMB1016KA11N4	MAIN	16	352,500	208/230V/1-PHASE	1.25/1.45	0.66/0.77	1.6/1.8	1, 2, 3, 4
BC-2A	TCMB1016KA11N4	MAIN	16	364,200	208/230V/1-PHASE	1.25/1.45	0.66/0.77	1.6/1.8	1, 2, 3, 4
BC-2B	TCMBS0104KB11N4	SUB	4	3,300	208/230V/1-PHASE	0.30/0.35	0.15/0.18	0.4/0.4	1, 2, 3, 4
BC-3A	TCMB1016KA11N4	MAIN	16	200,700	208/230V/1-PHASE	1.25/1.45	0.66/0.77	1.6/1.8	1, 2, 3, 4
BC-3B	TCMB1016KA11N4	MAIN	16	282,600	208/230V/1-PHASE	1.25/1.45	0.66/0.77	1.6/1.8	1, 2, 3, 4
BC-4	TCMB1016KA11N4	MAIN	16	282,400	208/230V/1-PHASE	1.25/1.45	0.66/0.77	1.6/1.8	1, 2, 3, 4

BC CONTROLLER SCHEDULE NOTES:

1. INCLUDE DIAMONDBACK BALL VALVES BV-SERIES, 700PSIG WORKING PRESSURE, FULL PORT, 410A RATED.

2. A SUB BC CONTROLLER IS NOT REQUIRED FOR THIS PROJECT. FOR SUB BC CONTROLLER INFO, SEE MANUFACTURER'S INSTALLATION INSTRUCTIONS.

3. PROVIDE REFRIGERATION BALL VALVE BRAZE/SCHRADER/INSULATED - 3/8" SIZE

4. PROVIDE REFRIGERATION BALL VALVE-BRAZE/SCHRADER/INSULATED - 5/8" SIZE

	REV 3	09-14-23	REV 3 09-14-23 BIDDING DOCUMENTS
	REV 2	06-09-23	REV 2 06-09-23 SED ADDENDUM #1
	REV 1	12-28-22	REV 112-28-22 BIDDING DOCUMENTS
4	No.	Date	Revisions

GREENMAN PEDERSEN, INC 2 EXECUTIVE BOULEVARD SUITE 202 SUFFERN, NY 10901	GREENMAN PEDERSEN, INC 2 EXECUTIVE BOULEVARD SUITE 202
Mechanical & Electrical Engineer:	Structural Engineer:

