

S:\Projects\2022\2025 HVAC Replacements BHPHS-HPES-BES\Drawings\Revit Model\BHP
#6322025 BHP HS HVAC Replacement.rvt

SPLIT SYSTEM HEAT PUMP SCHEDULE																										
EQUIPMENT TAG	MANUF.	AIR HANDLER MODEL	REFRIG. TYPE	AIR HANDLER													OUTDOOR UNIT									
				COOLING		HEATING		SUPPLY FAN				ELECTRICAL			OPER. WT. (LBS)	ACCESSORIES REQUIRED	EQUIPMENT TAG	MODEL NUMBER	MANUF.	NOMINAL CAPACITY (TONS)	SEER/EER	POWER SUPPLY			OPER. WT. (LBS)	ACCESSORIES REQUIRED
				COIL CAPACITY @ 95°F		HEAT PUMP @ 47° OA TEMP (MBH)	SUPPLEMENTAL HEAT (KW)	AIR FLOW (CFM)	MIN. OUTSIDE AIR (CFM)	EXT. SP (IWG)	FAN MOTOR (HP)	V/PH/Hz	MCA	MOCP								ELECT. CHAR. (V/PH/Hz)	MIN CIR. AMPACITY	MOCP		
				TOTAL (MBH)	SENS. (MBH)																					
AHU-2	TRANE	TEM4A0C49	410a	47.8	34.05	47.0	7.2	1,200	225	0.60	3/4	208/3/60	32	35	140	1-8	HP-2	4TWA4048	TRANE	4.0	14.0 SEER	460/3/60	8	15	220	1-3
AHU-1,3,4,6,8,10	TRANE	TWE060	410a	56.8	40.0	57.0	9.96	1,750	REFER TO OA SCHEDULE	0.70	3/4	460/3/60	44	45	175	1-8	HP-1,3,4,6,8,10	4TWA4060	TRANE	5.0	14.0 SEER	460/3/60	9	15	275	1-3
AHU-5,7	TRANE	TWE072	410a	71.5	51.5	71.0	14.96	2,000	REFER TO OA SCHEDULE	0.70	3/4	460/3/60	44	45	175	1-8	HP-5,7	TWA072	TRANE	6.0	14.0 SEER	460/3/60	14	20	325	1-3
NOTE: COOLING CAPACITIES ARE BASED ON 80/67 COIL ENTERING AIR CONDITIONS.																										
EQUAL PRODUCTS BY: AMERICAN STANDARD OR PRIOR APPROVAL.																										
ACCESSORIES (AIR HANDLER):																										
1. REFRIGERANT PIPING AND SPECIALTIES SHALL BE SIZED BY MANUFACTURER.																	5. INSTALL FLOAT SWITCH AT CONDENSATE OVERFLOW CONNECTION. WIRE SWITCH FOR UNIT SHUTDOWN.								ACCESSORIES (OUTDOOR UNIT): 1. LOW AMBIENT CONTROL TO 0° F. 2. ANTI-SHORT CYCLE TIMER 3. CRANKCASE HEATER.	
2. REFER TO PLANS FOR VERTICAL OR HORIZONTAL ARRANGEMENT.																	6. VIBRATION ISOLATORS									
3. FACTORY FILTER RACK. INSTALL CLEAN FILTERS PRIOR TO AIR BALANCING.																	7. FLEX DUCT CONNECTIONS.									
4. SINGLE POINT POWER CONNECTION.																	8. BI-POLAR IONIZATION UNIT, ACTIVE AIR SOLUTIONS MODEL DM-2400.									

OUTSIDE AIR SCHEDULE:
AHU-1: 135 CFM
AHU-2: 225 CFM
NOTE: THESE ARE THE
OA VALUES PER THE
ORIGINAL DRAWINGS.
AHU-3: 235 CFM
AHU-4: 235 CFM
AHU-5: 270 CFM
AHU-6: 225 CFM
AHU-7: 225 CFM
AHU-8: 270 CFM
AHU-10: 270 CFM

VERTICAL PACKAGED HEAT PUMP SCHEDULE																	
EQUIPMENT TAG	MANUFACTURER	MODEL	REFRIGERANT	COOLING		HEATING		SUPPLY FAN				EER	ELECTRICAL			OPER. WT. (LBS)	ACCESSORIES REQUIRED
				COIL CAPACITY @ 95°F		HEAT PUMP @ 47° OA TEMP (MBH)	SUPPLEMENTAL HEAT (KW)	AIR FLOW (CFM)	MIN. OUTSIDE AIR (CFM)	EXT. SP. (IWG)	FAN MOTOR (HP)		ELECT. CHAR. (V/PH/Hz)	MIN CIR. AMPACITY	MOCP		
				TOTAL (MBH)	SENS. (MBH)												
WMHP-20, 20-A	BARD	Q24H4DC06RN	410a	27,600	20,700	24,800	6.0	900	375	0.50	1/3	11.0	460/3/60	23	25	571	1 THRU 17
WMHP-11,12,13,43	BARD	Q30H4DC09RN	410a	27,600	20,700	24,800	9.0	900	375	0.50	1/3	11.0	460/3/60	24	25	571	1 THRU 17
WMHP-1,3,4,5,6,7,8,9,10,14,21,22,23,24,25,27,28,29,30,32,34,35,36,37,38,39,40,41,42	BARD	Q36H4DC09RN	410a	35,600	26,300	32,600	9.0	1,125	375	0.50	1/2	11.0	460/3/60	25	30	591	1 THRU 17
WMHP-26	BARD	Q48H4DC09RN	410a	47,500	34,800	42,200	9.0	1,500	375	0.50	3/4	11.0	460/3/60	25	25	591	1 THRU 17
NOTE: COOLING CAPACITIES ARE BASED ON 80/67 COIL ENTERING AIR CONDITIONS.																	
EQUAL PRODUCTS: MARVAIR (MUST SUBMIT FOR PRIOR APPROVAL TO CONFIRM EXTERIOR WALL SLEEVE LOCATION MATCHES EXISTING)																	
ACCESSORIES:																	
1. SINGLE STAGE COMPRESSOR.						7. OUTSIDE AIR AND EXHAUST AIR FANS; MOTORIZED OUTSIDE AIR DAMPER.						13. COMPRESSOR SOUND ATTENUATION BLANKET.					
2. ENERGY RECOVERY WHEEL.						8. RETURN AND EXHAUST AIR GRILLES.						14. LOW AMBIENT CONTROL (OUTDOOR FAN SPEED MODULATION)					
3. DUCTED UNIT. PROVIDE CABINET EXTENSION (FIELD VERIFY HEIGHT REQUIRED).						9. HIGH AND LOW PRESSURE SAFETY SWITCHES						15. PHASE MONITOR.					
4. SINGLE POINT POWER CONNECTION WITH FACTORY DISCONNECT.						10. FACTORY OR FIELD MOUNTED COLD PLASMA BI-POLAR IONIZATION DEVICE.						16. 2" MERV 13 FILTERS.					
5. CABINET AND TRIM COLOR SELECTED BY THE ARCHITECT.						11. MODULATING HOT GAS REHEAT/DEHUMIDIFICATION						17. WALL SLEEVE, ADAPTER, CLOSURE PANELS, CABINET EXTENSION, FILL PLATE FOR WALL SLEEVE.					
6. EC SUPPLY FAN MOTOR.						12. TERMINAL BLOCK FOR CONTROLS CONNECTION.											

PACKAGED HEAT PUMP EQUIPMENT SCHEDULE																							
EQUIPMENT TAG	MANUF.	MODEL	NOMINAL CAPACITY (TONS)	SUPPLY FAN				DX COOLING					DX HEATING	AUX. ELECTRIC HEAT (KW)	ELECTRICAL			WEIGHT (LBS.)	NOTES:				
				AIR FLOW (CFM)	ESP (in. WC)	FAN MOTOR (HP)	OUTSIDE AIR (CFM)	TOTAL COOLING NET (MBH)	SENSIBLE COOLING NET (MBH)	COIL E.A.T. (°Fdb/°Fwb)	EFFICIENCY RATING	CONDENSER AMBIENT TEMP. (°F)			MCA (AMPS)	MOCP (AMPS)	ELECT. CHAR (V/PH/Hz)						
RTU-1	TRANE	4WCC4024	2.0	800	0.50	1/3	200	24.0	18.0	80/67	14.0 SEER	95	23.0	6.0	60	60	208/1/60	500	1 THRU 11				
RTU-2	TRANE	WSD150	12.5	5,000	0.50	3.0	1,000	145.4	99.8	79.0/66.3	11.0 EER	95	146.1	36.0	87	90	460/3/60	2500	1 THRU 13				
RTU-5	TRANE	WHC092	7.5	3,000	0.50	2.75	375	91.4	69.0	77.6/65.4	11.8 EER	95	85.1	18.0	47	50	460/3/60	1500	1 THRU 13				
RTU-6	TRANE	WHC092	7.5	2,710	0.50	2.75	375	91.7	69.1	77.8/65/6	11.8 EER	95	85.1	18.0	47	50	460/3/60	1500	1 THRU 13				
RTU-7	TRANE	WSD150	12.5	4,300	0.75	3.0	480	140.8	93.7	77.2/65.2	11.0 EER	95	137.8	36.0	87	90	460/3/60	2500	1 THRU 13				
EQUAL PRODUCTS BY: AMERICAN STANDARD OR PRIOR APPROVAL ONLY.																							
1. SINGLE POINT POWER CONNECTION.				7. 5 YEAR COMPRESSOR WARRANTY.																13. ECONOMIZER WITH POWERED EXHAUST FAN.			
2. CRANKCASE HEATERS.				8. HAIL GUARDS.																			
3. PHASE LOSS/REVERSAL PROTECTION.				9. TERMINAL STRIP FOR CONTROL BY THE BUILDING AUTOMATION SYSTEM (DDC SYSTEM).																			
4. HINGED ACCESS DOORS.				10. INSULATED CURB ADAPTER, 16 GA. MINIMUM.																			
5. LOW AMBIENT CONTROL TO 0°F.				11. PHENOMINAL AIRE MODEL C-6 BI-POLAR IONIZATION COLD PLASMA UNIT.																			
6. MOTORIZED OA DAMPER.				12. 2-STAGE COOL & HEAT, 2 STAGE AUX. ELECTRIC HEAT, 2-SPEED SUPPLY FAN.																			