

PACKAGED HVAC UNITS (HEAT PUMP)																																
GENERAL						SUPPLY FAN							HEATING				COOLING										ELECTRICAL					REMARKS
MARK	SERVES	WEIGHT (LBS)	NOMINAL TONS	MANUFACTURER	MODEL	DRIVE/ TYPE	MOTOR DRIVE / TYPE	S.A. (CFM)	O.A. (CFM)	ESP (IN H ₂ O)	FAN HP (EA)	NO. FANS / MOTORS	CAPACITY (MBTUH)	AMB (°F)	AUX. HEAT (KW)	STAGE(S)	NET TOTAL CAPACITY (MBTUH)	NET SENSIBLE CAPACITY (MBTUH)	EDB (°F)	EWB (°F)	LDB (°F)	LWB (°F)	AMB (°F)	NO. COMP.	TYPE	NO. CKTS	VOLTAGE	MCA	MOCP	EER		
PAC-1	BK RM / TOILET ADDITION	900	3	TRANE	WHK036A3S0E	DIRECT	DIRECT / PLENUM	1,200	325	0.75	3.0	1/1	40.98	47.0	12.0	1	35.78	28.07	80.0	67.0	56.9	56.9	95.0	1	SCROLL	1	460/3/60	32.0	35A	13.5	SEE NOTES	
PAC-2	PRODUCTION FLOOR / ASSEMBLY 110	900	3	TRANE	WHK036A3S0E	DIRECT	DIRECT / PLENUM	1,200	150	0.75	3.0	1/1	40.98	47.0	12.0	1	35.78	28.07	80.0	67.0	56.9	56.9	95.0	1	SCROLL	1	460/3/60	32.0	35A	13.5	SEE NOTES	
* OR APPROVED EQUAL																																
NOTES:																																
1. R-454B REFRIGERANT																																
2. HIGH/LOW PRESSURE SWITCHES																																
3. LOSS OF CHARGE SAFETY, 1 PER CIRCUIT																																
4. COMPRESSOR VIBRATION ISOLATION MOUNTS.																																
5. COMPRESSOR OVERCURRENT, OVERTEMPERATURE SAFETY																																
6. COMPRESSOR RESTART TIME DELAY																																
7. COMPRESSOR CRANKCASE HEATER																																
8. REMOVABLE CORE LIQUID LINE FILTER DRIER																																
9. AUTOMATIC RESET MOTOR THERMAL OVERLOAD SAFETY																																
10. EVAPORATOR COIL FREEZE-STAT																																
11. LOUVERED CONDENSER COIL HAIL GUARD																																
12. LOW AMBIENT TO 0°F																																
13. 2" MERV-8 PLEATED MEDIA FILTERS																																
14. 16-GAUGE GALVANIZED STEEL CONTINUOUS BASE RAIL																																
15. STAINLESS STEEL DRAIN PAN WITH OVERFLOW SWITCH																																
16. LOW-LEAKAGE, 2-POSITION, MOTORIZED OUTSIDE AIR DAMPER WITH POTENTIOMETER																																
17. POWERED 120V CONVENIENCE RECEPTACLE																																
18. INTEGRAL DISCONNECT																																
19. BACNET MSTP CONTROLS INTEGRATION - CONTROLS INTEGRATION INCLUDING SPACE THERMOSTAT SHALL BE PROVIDED UNDER A SEPARATE CONTRACT BY THE OWNER'S PREFERRED ALERTON CONTROLS VENDOR.																																
20. MODULATING HOT GAS REHEAT																																

DUCTLESS SPLIT-SYSTEM HEAT PUMP SCHEDULE																	
INDOOR UNIT				OUTDOOR UNIT		COOLING					HEATING			ELECTRICAL			REMARKS
MARK	*MANUF'R / MODEL	SERVES	FAN CFM (HI/MED/LO)	MARK	*MANUF'R / MODEL	TOT. CAP. (BTUH)	EDB (°F)	EWB (°F)	AMB (°F)	SEER	TOT. CAP. (BTUH)	AMB (°F)	HSPF	VOLTAGE	MCA	MOCP	
MSFC-1	TRANE TPKA0A0121HA70A	IT CLOSET 113	290 / 335 / 380	MSOU-1	TRANE TRUYA0121KA70NA	12,000	80.0	67.0	95.0	20.8	--	--	--	208/1/60	11.0	28A	SEE NOTES
* OR APPROVED EQUAL NOTES: 1. SYSTEM SHALL BE COMPLETE WITH INDOOR AND OUTDOOR UNIT FROM SAME MANUFACTURER 2. INDOOR UNIT IS POWERED FROM OUTDOOR UNIT 3. VARIABLE SPEED INVERTER SCROLL COMPRESSOR 4. ELECTRICALLY COMMUTATED INDOOR FAN MOTOR 5. ELECTRICALLY COMMUTATED OUTDOOR FAN MOTOR 6. HARD WIRED WALL THERMOSTAT 7. AUTO RESTART 8. 24-HOUR ON/OFF TIMER 9. WIDE COOLING AMBIENT RANGE (115 °F TO -40°F) 10. CONDENSATE SENSOR CONNECTION 11. COOLING ONLY FUNCTION 12. FIVE YEAR COMPRESSOR WARRANTY 13. TWO YEAR FUNCTIONAL PARTS WARRANTY																	

EXHAUST FANS														
GENERAL				FAN							ELECTRICAL			REMARKS
MARK	MANUF'R./MODEL	SERVES	WEIGHT (LBS)	DRIVE	MOTOR	TYPE	CFM	ESP	RPM	SONES	VOLTAGE	MOTOR (W)	CONTROL	
EF-1	GREENHECK CSP-A390-VG	TOILETS / JANITOR	30	DIRECT	EC	FC CENT.	325	0.25"	1,216	1.5	120/1/60	62.0	TIME OF DAY CLOCK	NOTES1,2
* OR APPROVED EQUAL NOTES: 1. FACTORY MOUNTED INTEGRAL DISCONNECT, BACKDRAFT DAMPER, MOTOR MOUNTED SPEED DIAL, VIBRATION ISOLATOR HANGER KIT, AND DIGITAL TIME CLOCK EQUAL TO A LEVITON #VPT24. 2. FAN SHALL OPERATE CONTINUOUSLY DURING OCCUPIED PERIODS. FAN SHALL BE "OFF" DURING UNOCCUPIED PERIODS. OCCUPIED PERIOD SHALL BE 7:00 A.M. - 5:00 P.M. (ADJ.)														

AIR DEVICES			KEY NO. IF MORE THAN ONE 4 6 210 A MARK-NECK CFM					
MARK	DESCRIPTION	MANUF'R / MODEL	SIZE	NECK	MOUNTING	MATERIAL	FINISH	REMARKS
A	SQUARE CONE	PRICE ASCD	24x24	SEE PLAN	LAY-IN CEILING	ALUMINUM	WHITE	NOTE 1
B	DOUBLE DEFLECTION	PRICE 620	18x18	SEE PLAN	SIDEWALL	ALUMINUM	WHITE	NONE
1	CUBE CORE	PRICE 80	24x24	SEE PLAN	LAY-IN CEILING	ALUMINUM	WHITE	NOTE 2
2	HEAVY DUTY, 30° FIXED BLADE	PRICE 99	18x24	SEE PLAN	SIDEWALL	ALUMINUM	WHITE	NONE
3	45° FIXED BLADE	PRICE 630	6x6	SEE PLAN	SIDEWALL	ALUMINUM	WHITE	NONE
NOTES: 1. FACTORY INSULATED BACKPAN. 2. INTEGRAL BACK PLENUM WITH TOP DUCT COLLAR, 1-1/2" THICK FOIL-FACED DUCT WRAP.								

LOUVER SCHEDULE										
MARK	MANUF'R./MODEL	TYPE	SIZE	SERVICE	CFM	BPWP	MAX. S.P.	MATERIAL	FINISH	REMARKS
L-1	GREENHECK ESJ-401	STATIC	16X16	EXHAUST	325	--	0.05"	EXT. ALUM.	KYNAR	SEE NOTES
* OR APPROVED EQUAL IN RUSKIN OR POTTORF NOTES: 1. INTEGRAL GALVANIZED BIRD SCREEN. 2. INTAKE LOUVERS SHALL NOT BE SIZED FOR ANY MORE THAN 90% OF THE LOUVER MANUFACTURER'S BPWP RATING. 3. COLOR TO BE SELECTED BY OWNER FROM MANUFACTURER'S STANDARD RANGE - NO LESS THAN 24 STANDARD COLORS.										

Project

AEROJET BUILDING E33
OFFICE EXPANSION
EAST CAMDEN,
ARKANSAS

Design Phase

CONSTRUCTION DOCUMENTS

Revisions

No.	Date	Description

Stamp

CROMWELL ARCHITECTS ENGINEERS, INC.
C-98
REGISTERED ARCHITECTS
ARKANSAS

ARKANSAS
REGISTERED PROFESSIONAL ENGINEER
NO. 12375
JAMIE L. GUIDRY

12-19-2024

Notes

1. CROMWELL ARCHITECTS ENGINEERS, INC. ALL RIGHTS RESERVED

2. THIS SHEET DESIGNED FOR COLOR PRINTING. CRITICAL INFORMATION MAY BE LOST WITH BLACK AND WHITE PRINTING.

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MECHANICAL SCHEDULES

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