

UNIT HEATERS - GAS

MARK	LOCATION	FAN TYPE	CFM	MOTOR (HP)	FUEL	INPUT (MBH)	OUTPUT (MBH)	ELECTRICAL		*MANUF'R	MODEL	REMARKS
								VOLTS	PH			
GUH-1	BOILER ROOM 104	PROP.	1,921	1/4	NAT. GAS	150.0	124.5	120	1	REZNOR	UDXC 150	SEE NOTES
GUH-2	BOILER ROOM 104	PROP.	1,921	1/4	NAT. GAS	150.0	124.5	120	1	REZNOR	UDXC 150	SEE NOTES

- OR APPROVED EQUAL
- NOTES:
1. ALUMINIZED STEEL HEAT EXCHANGER
2. ALUMINIZED STEEL BURNER RACK WITH STAINLESS STEEL INSERT
3. SPARK IGNITED, INTERMITTENT SAFETY PILOT WITH ELECTRONIC FLAME SUPERVISION WITH TIMED LOCKOUT
4. TWO-STAGE COMBINATION GAS VALVE
5. TEFC MOTOR WITH INTERNAL OVERLOAD FAN MOTOR PROTECTION
6. FAN AND LIMIT SAFETY CONTROLS
7. BLOCKED VENT SHUT-OFF SAFETY
8. 24V CONTROL TRANSFORMER WITH 24V TERMINAL STRIP
9. INDIVIDUALLY ADJUSTABLE HORIZONTAL LOUVERS
10. FULL FAN SAFETY GUARD
11. BOTTOM BURNER ACCESS
12. HORIZONTAL OR VERTICAL VENT OUTLET
13. 10-YEAR NON-PRORATED WARRANTY ON HEAT EXCHANGERS, BURNERS, AND FLUE COLLECTION BOX
14. 5-YEAR NON-PRORATED WARRANTY ON ALL MECHANICAL AND ELECTRICAL COMPONENTS
15. SUSPEND FROM ROOF STRUCTURE IN STRICT ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS
16. PROVIDE TYPE-B LISTED FLUE AND CONNECT TO THE EXISTING FLUE PIPING.
17. PROVIDE HEATING THERMOSTAT.

MINI SPLIT-SYSTEM HEAT PUMP SCHEDULE

INDOOR UNIT					OUTDOOR UNIT		COOLING					HEATING			ELECTRICAL			REMARKS
MARK	TYPE	*MANUF'R./ MODEL	SERVES	FAN CFM (SPEEDS)	MARK	*MANUF'R./ MODEL	TOT. CAP. (BTUH)	EDB (°F)	EWB (°F)	AMB (°F)	SEER2	TOT. CAP. (BTUH)	AMB (°F)	HSPF2	VOLTAGE	MCA	BKR	
MSFC-1	DUCTLESS SIDEWALL	LG LSN181HSV5	DATA 106	706 / 530 / 477 / 371	MSHP-1	LG LSU181HSV5	18,000	80.0	67.0	95.0	22.0	21,600	47.0	9.5	208/1/60	19.0	30A	SEE NOTES

OR APPROVED EQUAL	
NOTES:	
1. SYSTEM SHALL BE COMPLETE WITH INDOOR AND OUTDOOR UNIT FROM SAME MANUFACTURER	12. SLEEP MODE
2. INDOOR UNIT IS POWERED FROM OUTDOOR UNIT	13. COOLING ONLY FUNCTION
3. 24-HOUR ON/OFF TIMER	14. STAND-ALONE DIGITAL PROGRAMMABLE WALL THERMOSTAT
4. AUTO CHANGEOVER	15. BUILT-IN BASE PAN HEATER
5. AUTO RESTART	16. CENTRIFUGAL REFRIGERANT OIL SEPARATOR
6. LOW AMBIENT DOWN TO 0°F	17. BRUSHLESS DIGITALLY CONTROLLED INDOOR FAN MOTOR
7. CONDENSATE SENSOR CONNECTION	18. FIVE YEAR COMPRESSOR WARRANTY
8. INVERTER (VARIABLE SPEED COMPRESSOR)	19. TWO YEAR FUNCTIONAL PARTS WARRANTY
9. SMART DIAGNOSIS	
10. 3M MICRO FILTER	
11. SELF-CLEANING INDOOR COIL	

STEAM CONDENSATE RECEIVER/PUMP

GENERAL				PUMP				ELECTRICAL		REMARKS
MARK	MANUF'R / MODEL *	RECEIVER	TYPE	MANUF'R / MODEL *	FLOW (GPM)	HEAD (PSIG)	RPM	VOLTAGE	HP	
SCP-1	RUSSELL #610CVAD117	10 GALLON	DUPLEX PUMPS	RUSSELL #VA512SS	9.0	10.0	1750	208/1/60	1/3	SEE NOTES
SCP-2	RUSSELL #610CVAD117	10 GALLON	DUPLEX PUMPS	RUSSELL #VA512SS	9.0	10.0	1750	208/1/60	1/3	SEE NOTES
SCP-3	RUSSELL #610CVAD117	10 GALLON	DUPLEX PUMPS	RUSSELL #VA512SS	9.0	10.0	1750	208/1/60	1/3	SEE NOTES
SCP-4	RUSSELL #610CVAD117	10 GALLON	DUPLEX PUMPS	RUSSELL #VA512SS	9.0	10.0	1750	208/1/60	1/3	SEE NOTES

* OR APPROVED EQUAL

NOTES:

1. PACKAGED STEAM CONDENSATE RECEIVER/DUPLEX PUMP PACKAGE.
2. NEMA 4 MECHANICAL PUMP ALTERNATOR
3. PUMP WITH 300-DEGREE F SEALS AND TEFC MOTOR
4. BRASS GAUGE GLASS AND COCKS
5. TYPE 304 STAINLESS STEEL RECEIVER

FAN SCHEDULE

GENERAL				FAN						ELECTRICAL			REMARKS
MARK	MANUF'R/MODEL	SERVES	GENERAL TYPE	MOTOR/ DRIVE	TYPE	CFM	ESP	RPM	SONES	VOLTAGE	MOTOR	CONTROL	
EF-1	GREENHECK SP-A390-VG	ELECTRICAL 105	EXHAUST	EC/ DIRECT	CENT.	300	1/4"	1,195	3.5	120/1/60	51 W	WALL-MOUNTED THERMOSTAT	NOTES 1-5,9
EF-2	GREENHECK AER-36-03-0620-VG	BOILER ROOM 104	EXHAUST	EC/ DIRECT	PROP.	15,000	1/4"	950	31	480/3/60	2 HP	WALL-MOUNTED THERMOSTAT	NOTES 1,2,6-9
EF-3	GREENHECK BAER-24-03-0330	COOL DOWN 101	EXHAUST	EXP/ BELT	PROP.	6,000	1/4"	1,295	27	480/3/60	1 HP	INTERLOCK WITH PAC-1	NOTES 2,6,7,11,12,13

* OR APPROVED EQUAL UNLESS NOTED OTHERWISE

NOTES:

1. FACTORY MOUNTED INTEGRAL DISCONNECT.
2. INTEGRAL BAROMETRIC BACKDRAFT DAMPER.
3. FAN SPEED CONTROL FACTORY WIRED AND MOUNTED.
4. HANGER/ISOLATION KIT.
5. WALL CAP EQUAL TO GREENHECK #WC-8X8 WITH INTEGRAL BACKDRAFT DAMPER, BIRDSCREEN, AND BLACK ENAMEL FINISH.
6. FLUSH EXTERIOR SHORT WALL HOUSING .
7. 45-DEGREE TURN DOWN DISCHARGE HOOD.
8. WALL-MOUNTED MOTOR STARTER BY FAN MANUFACTURER EQUAL TO A GREENHECK MSAC.
9. 120V DIRECT ACTING WALL THERMOSTAT BY FAN MANUFACTURER.
10. INTERLOCK WITH LOUVER "L-1" SUCH THAT THE LOUVER DAMPER IS FULLY OPEN WHEN THE FAN IS OPERATING AND VICE VERSA.
11. NEMA 7/9 INTEGRAL DISCONNECT
12. ALUMINUM FAN BLADES
13. INTERLOCK WITH PAC-1 SUCH THAT WHEN PAC-1 IS OPERATING, EF-3 IS OPERATING, AND VICE VERSA.

LOUVER SCHEDULE

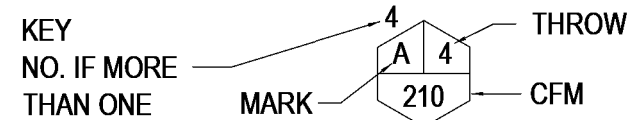
MARK	SERVES	MANUF'R./MODEL	SIZE	TYPE	BPWP (FPM)	MAX. S.P. (IN. W.C.)	MATERIAL	FINISH	REMARKS
L-1	BOILER ROOM 104 - EF-1 MAKE-UP AIR	GREENHECK EACC-601	100x60	INTAKE	1,192	-	EXT. ALUM.	KYNAR	NOTES 1-7
L-2	BOILER ROOM 104 - BOILER COMBUSTION AIR	GEENHECK ESJ-401	48x84	INTAKE	691	-	EXT. ALUM.	KYNAR	NOTES 1-3

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.
4. COMBINATION LOUVER DAMPER WITH CONCEALED ACTUATOR (120V) AND LINKAGE.
5. IF NEEDED, CONTROL TRANSFORMER SHALL BE CONCEALED (480V/120V).
6. BLADE END SWITCH.
7. LOUVER DAMPER MOTOR SHALL BE INTERLOCKED WITH "EF-1" SUCH THAT THE DAMPER IS FULLY OPEN WHEN THE FAN IS OPERATING AND VICE-VERSA.

AIR DEVICE



MARK	DESCRIPTION	SIZE	MOUNTING	MATERIAL	FINISH	*MANUF'R	MODEL	REMARKS
A	HIGH CAP. DRUM TYPE	48x6	DUCT	ALUMINUM	NOTE 2	PRICE	AHCD1	NOTE 2
B	DOUBLE DEFLECTION	12x6	DUCT	ALUMINUM	WHITE	PRICE	620	NOTE 1
1	HEAVY DUTY GRILLE	48x48	SIDEWALL	ALUMINUM	WHITE	PRICE	98	NOTE 1,3
2	45° FIXED BLADE	12x12	HARD CEILING	ALUMINUM	WHITE	PRICE	630	NOTE 1

NOTES: * OR APPROVED EQUAL

1. SURFACE MOUNTED AIR DEVICES SHALL HAVE COUNTERSUNK FASTENERS.
2. FINISH TO BE SAME AS FOR DUCTWORK - FINISH TO BE DETERMINED BY THE OWNER/ARCHITECT.
3. INTEGRAL OPPOSED BLADE DAMPER OPERABLE FROM FACE OF GRILLE.



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Project

AEROJET BUILDING 66B
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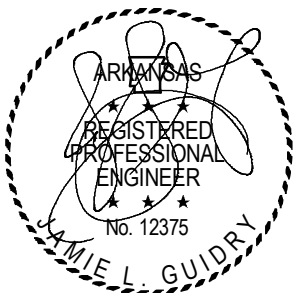
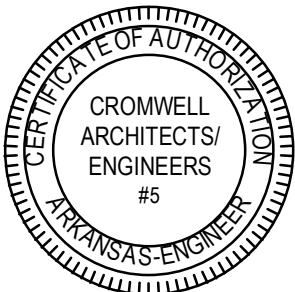
Design Phase

CONSTRUCTION DOCUMENTS

Revisions

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Stamp



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Notes

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Sheet Title

MECHANICAL SCHEDULES

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