

SPLIT SYSTEM AIR HANDLING UNIT SCHEDULE																	
MARK	CONFIGURATION	CFM	EXT. S.P.	BLOWER MOTOR	MINIMUM FRESH AIR CFM	NET COOLING CAPACITY				GAS HEATING DATA		FILTER DATA	COOLING COIL DATA		FURNACE/BLOWER SECTION	FURNACE WIDTH	
						ENT. AIR DEB	SENSIBLE BTU/HR	TOTAL BTU/HR	AMB. TEMP.	INPUT BTU/HOUR	OUTPUT BTU/HOUR		CASED UPFLOW COIL	COIL WIDTH			
AHU-1	UPFLOW FURNACE WITH BOTTOM RETURN INLET	800	0.61"	1/2 HP, 15/160	100	11.88'	65.33'	16,930	22,130	95° F	60,000	50,000	1" THICK DISPOSABLE	NOMINAL 25-TON COIL MAX. 0.91" WET COIL A.P.D.	14"	UPFLOW CONDENSING GAS FURNACE WITH DIRECT DRIVE BLOWER.	14"
AHU-2	UPFLOW FURNACE WITH BOTTOM RETURN INLET	1250	0.60"	3/4 HP, 15/160	150	11.58'	65.10'	23,640	33,320	95° F	80,000	70,000	1" THICK DISPOSABLE	NOMINAL 35-TON COIL MAX. 0.81" WET COIL A.P.D.	21"	UPFLOW CONDENSING GAS FURNACE WITH DIRECT DRIVE BLOWER.	21"

NOTE: THE SCHEDULED EXTERNAL STATIC PRESSURE MUST BE EXTERNAL TO THE FURNACE AND COIL ASSEMBLY. EXAMPLE - THE FURNACE SECTION AT AHU-1 MUST BE SELECTED FOR 0.19" EXTERNAL STATIC (0.60" EXTERNAL DUCT SYSTEM + 0.19" WET COIL LOSS + 0.19"). ALL FURNACE SECTION EXTERNAL STATIC PRESSURES MUST BE THE SCHEDULED ESP PLUS THE WET COOLING COIL AIR PRESSURE DROP - NO EXCEPTIONS. OVERSIZE COOLING COILS SPECIFIED TO MINIMIZE THE COIL'S AIR PRESSURE DROP WITH A WET COIL.

UNIT TAG	CFM	EXTERNAL ALLOWANCE	WET COIL	REQUIRED ESP FOR FURNACE SELECTION
AHU-1	800	0.61"	0.19"	0.80"
AHU-2	1250	0.60"	0.18"	0.78"

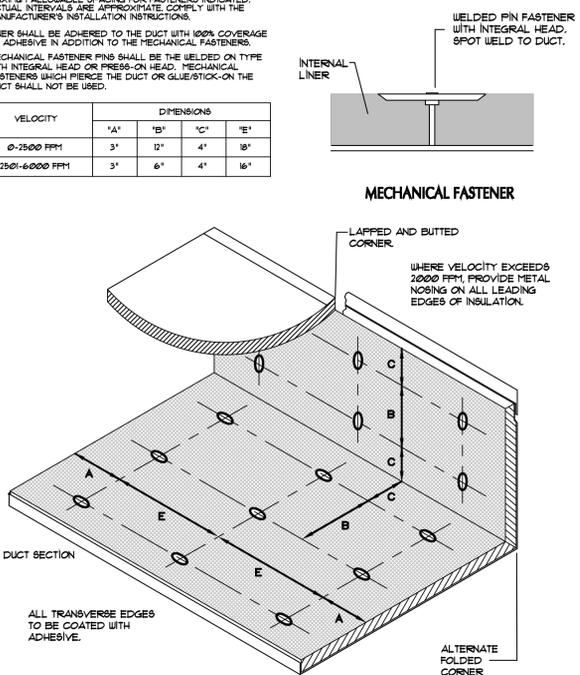
### AIR DISTRIBUTION SCHEDULE

- SAD SUPPLY AIR DIFFUSER. LOUVERED FACE CEILING SUPPLY AIR DIFFUSER, STEEL CONSTRUCTION WITH 24"x24" LAY-IN, 24"x24" SURFACE OR 12"x12" SURFACE MOUNTING FRAME TO MATCH THE CEILING WHERE SHOWN TO BE INSTALLED. ROUND NECK WITH RADIAL OFFSET BLADE DAMPER. WHITE POWDER COAT FINISH. NAILOR MODEL RN63 OR EQUIVALENT WITH INSULATED BACK PAN.
- SAR SUPPLY AIR REGISTER. ALL ALUMINUM DOUBLE DEFLECTION SUPPLY REGISTER WITH HORIZ. FRONT DEFLECTION VANES AND VERTICAL REAR DEFLECTION VANES. DEFLECTION VANES SHALL BE INDIVIDUALLY ADJUSTABLE AND SPACED ON 3/4" CENTERS. REGISTER SUPPLIED WITH OPPOSED BLADE BALANCING DAMPER. NAILOR OR EQUAL.
- RAFQ RETURN AIR FILTER GRILLE. ALL ALUMINUM HINGED RETURN AIR FILTER GRILLE WITH DEFLECTION VANES ON 3/4" CENTERS AND SET AT 45-DEG. DEFLECTION. 24"x24" SIZE WITH TRACK FOR 20"x20"x2" THICK DISPOSABLE MEDIA PLEATED FILTER. KNULED KNOB FASTENERS.
- RAR RETURN AIR REGISTER. ALL ALUMINUM SIDEWALL RETURN REGISTER WITH HORIZONTAL DEFLECTION VANES SPACED ON 3/4" CENTERS AND SET AT 45 DEGREES TO RESTRICT VISION. STEEL BALANCING DAMPER. FINISH COLOR AS DIRECTED BY THE ARCHITECT.

NOTES:

- MAXIMUM ALLOWABLE SPACING FOR FASTENERS INDICATED. ACTUAL INTERVALS ARE APPROXIMATE. COMPLY WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
- LINER SHALL BE ADHERED TO THE DUCT WITH 100% COVERAGE OF ADHESIVE IN ADDITION TO THE MECHANICAL FASTENERS.
- MECHANICAL FASTENER PINS SHALL BE WELDED ON TYPE WITH INTEGRAL HEAD OR PRESS-ON HEAD. MECHANICAL FASTENERS WHICH PIERCE THE DUCT OR GLUE/STICK-ON THE DUCT SHALL NOT BE USED.

VELOCITY	DIMENSIONS			
	"A"	"B"	"C"	"E"
0-2500 FPM	3"	12"	4"	18"
2501-6000 FPM	3"	6"	4"	16"

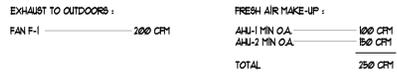


**INTERNAL DUCTLINER DETAIL**  
NO SCALE

THRU WALL UNIT SCHEDULE																				
MARK	TYPE	CFM	VENTILATION CFM	COOLING PERFORMANCE				ELECTRIC HEAT	WALL SLEEVE SIZE	POWER REQUIREMENTS	WEIGHT (LBS.)	ACCESSORIES						REMARKS		
				ENT. AIR DEB	SENSIBLE BTU/H	TOTAL BTU/H	AMB. TEMP.					4" ELECTRICAL SUB-BASE	WALL SLEEVE	STAMPED LOUVER	ARCHITECTURAL LOUVER	INTEGRAL CONTROLS	WALL THERMOSTAT		POSITIVE CONDENSATE REMOVAL SYSTEM	
TWU-1	COOLING WITH ELECTRIC HEAT	360	10	80	61	6,500	7,400	95° F	21 KW ± 208/160	16" x 42"	193 AHP± 208/160	106	•	•	•	•	•	•	•	McQUAY FDA42 SIZE 007 OR EQUAL
TWU-2	COOLING WITH ELECTRIC HEAT	360	10	80	61	6,500	7,400	95° F	21 KW ± 208/160	16" x 42"	193 AHP± 208/160	106	•	•	•	•	•	•	•	McQUAY FDA42 SIZE 007 OR EQUAL

± NOMINAL 35 KW HEATER AT 240 VOLTS, DE-RATED FOR 208-VOLT ELECTRICAL  
 ±± - ELECTRIC HEATER AMP± AND FAN MOTOR AMP±  
 COORDINATE ALL ELECTRICAL REQUIREMENTS OF ACTUAL UNITS PURCHASED WITH ELECTRICAL SUB-CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.

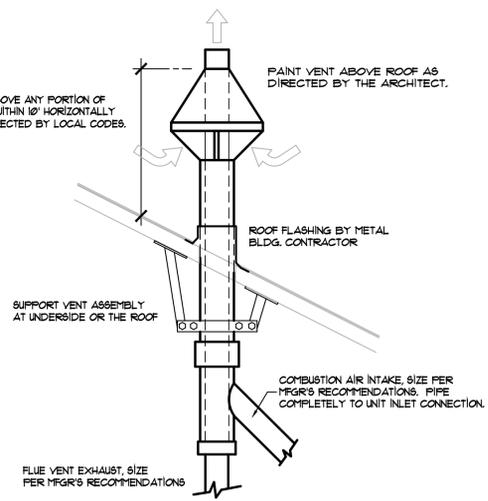
### BUILDING AIR BALANCE



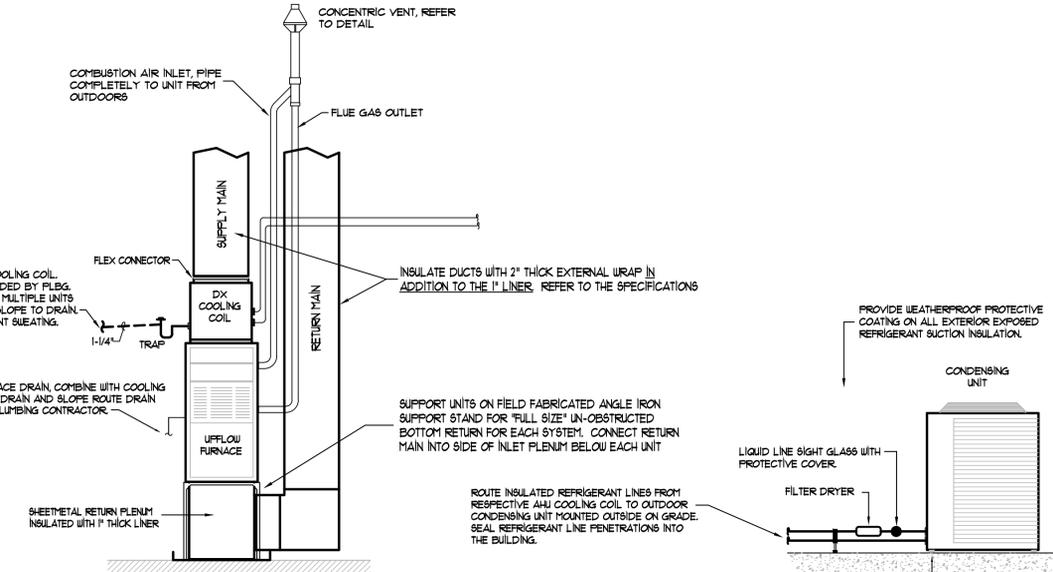
GAS UNIT HEATER SCHEDULE									
MARK	TYPE	SERVICE	FUEL	CFM	HEATING CAPACITY		MOTOR DATA	WEIGHT (LBS.)	REMARKS
					OUTPUT BTU/HR	OUTPUT BTU/HR			
UH-1	SEPARATED COMBUSTION LOW STATIC HEATER	STORAGE BAY	NAT. GAS	120	150,000	124,000	1/8 HP, 15/160	206	REINOR UDAS* WITH VERTICAL COMBUSTION AIR VENT KIT, CONCENTRIC ADAPTER, CONTROLS TRANSFORMER AND SUSPENSION KIT.

FAN SCHEDULE																	
MARK	TYPE	DRIVE	CFM	SP	RPM	MOTOR DATA	STARTER	MAX. SONES	FAN DIMENSIONS	WEIGHT (LBS.)	ACCESSORIES						REMARKS
											FAN SPEED CONTROLLER	REAR GUARD	B'SCREEN	DISC. MOTORIZED SWITCH	ROOF CURB	WALL SLEEVE	
F-1	PROPELLER WALL EXHAUSTER	DIRECT	200	0.125"	685	1/20 HP, 15/160	MANUAL	22	18" x 18"	79	•	•	•	•	•	•	GREENHECK SEI-D-432-E

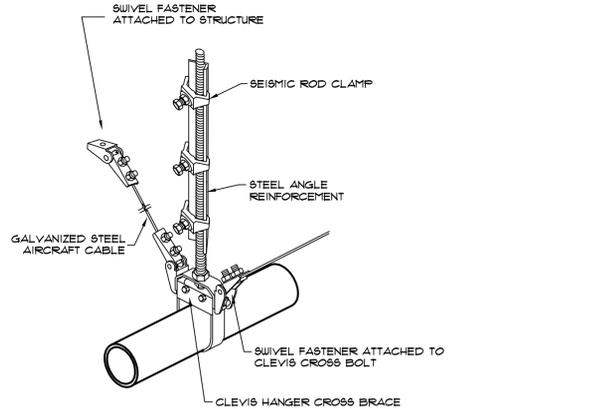
EXHAUST FAN F-1 IS FOR PERIODIC USE ONLY AND SHALL BE MANUALLY CONTROLLED BY WALL SWITCH (SWITCH SHALL HAVE INTEGRAL PILOT LIGHT).



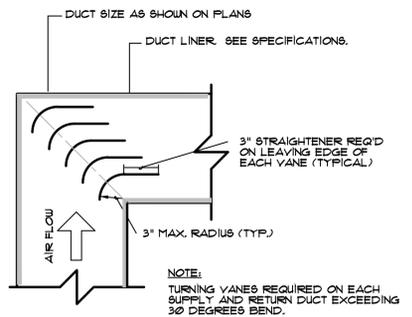
**CONCENTRIC VENT DETAIL**  
NO SCALE



**TYPICAL SPLIT-SYSTEM PIPING SCHEMATIC**  
NO SCALE



**PIPE SEISMIC BRACE SCHEMATIC DETAIL**  
NO SCALE



**TURNING VANE DETAIL**  
NO SCALE

**BCM**  
 BARHAM/CAIN/MYNNATI  
 Incorporated  
 Consulting Engineers  
 1015 Cordova Station Road Cordova, Tennessee 38018  
 Phone: (901) 685-2371 Fax: (901) 682-0233

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**john pruet architects**  
 1869 madison ave.  
 memphis, tn 38104  
 (901) 721-9062  
 pruetarchitects@bellsouth.net  
 www.pruetarchitects.com

**Shelby County Sheriff's Department**  
**EQUIPMENT STORAGE BUILDING**  
 989 Dovecrest Road, Memphis, TN 38134

sheet name  
**HVAC SCHEDULES AND DETAILS**

date  
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**M3**