

one inch = one foot  
one inch = one foot  
three quarters inch = one foot  
one half inch = one foot  
three eighths inch = one foot  
one quarter inch = one foot  
one eighth inch = one foot  
one sixteenth inch = one foot

AIR HANDLING UNIT SCHEDULE																														
TAG	FAN SECTION						COOLING COIL								PRE-HEATING COIL						PRE-FILTER		FINAL FILTER		MANUFACTURER	MODEL	REMARKS			
	NOM. CFM	O.A. CFM	T.S.P. IN.W.G.	E.S.P. IN.W.G.	ELEC. (V/PH/Hz)	HP	RPM	EDB (°F)	EWB (°F)	LDB (°F)	LWB (°F)	SENS MBH	TOT MBH	EWT (°F)	GPM	MIN COIL AREA (SQ FT)	MIN ROWS	EDB (°F)	LDB (°F)	TOT MBH	EWT (°F)	GPM	MIN ROWS	EFF. (%)				THICK (IN.)	EFF. (%)	THICK (IN.)
AHU-1	9600	2900	7.0	3.75	460/3/60	20	1750	80.8	66.3	54.6	54.3	247.9	329.3	45	65.7	21.4	4	43.2	84.4	187	180	18.7	1	35	2	85	4	CARRIER	21W	OUTDOOR, DOUBLE WALL CONSTRUCTION (UNIT AND DOORS), STEEL DRAIN PAN, MOTOR SPEED DRIVES, PLUG FANS, DIRECT DRIVE, ANGLED FILTERS, INLET FROM ABOVE, DISCHARGE HORIZONTAL, HUMIDIFIER

STEAM HUMIDIFIER SCHEDULE															
TAG	LOCATION	SYSTEM	TYPE	AIRFLOW MIN./MAX. (CFM)	DISPERSION PANEL FACE SIZE (W" X H")	EAT (°F)			LAT (°F)	SOURCE	STEAM			CONTROL TYPE	REMARKS
						DB	WB	DP	DP		PRESS. ENT. VALVE (PSIG)	PRESS. ENT. HEATER (PSIG)	FLOW (LB/HR)		
H1	PENTHOUSE	AHU-1	DIRECT STEAM INJECTION	2910/9000	6' X 4.5'	50	34	-4	46	PLANT STEAM	15	8	96	MODULATING	
NOTES:															
1. HUMIDIFIER TUBE CENTERS AT 3" O.C.															
2. PROVIDE PVDF INSULATED TUBES.															
3. PROVIDE HUMIDIFIER WITH ZERO WATER WASTE OPTION. CONDENSATE TO BE RETURNED.															
4. INTEGRAL STEAM TRAP															

PARALLEL FAN-POWERED VARIABLE AIR VOLUME TERMINAL UNIT SCHEDULE										
TAG	INLET SIZE (IN.)	CFM MIN/MAX/FAN	MIN. S.P. AT INLET (IN. W.G.)	HEATING COIL				MANUFACTURER AND MODEL	OPTIONS - ACCESSORIES	
				BTU/H	WATER ENT. (°F)	ROWS	GPM			
VAV-10	6	180/55/130	1.0	3400	180	2	0.5	METALAIRE - FV1500	PARALLEL FAN, COIL FILTER, FAN BACKDRAFT DAMPER, ADJUSTABLE FAN SPEED, SOUND ATTENUATOR	
VAV-2	8	75/250/175	1.0	4850	180	2	0.5	METALAIRE - FV1500	PARALLEL FAN, COIL FILTER, FAN BACKDRAFT DAMPER, ADJUSTABLE FAN SPEED, SOUND ATTENUATOR	
VAV-3	8	115/370/260	1.0	11,700	180	2	1	METALAIRE - FV1500	PARALLEL FAN, COIL FILTER, FAN BACKDRAFT DAMPER, ADJUSTABLE FAN SPEED, SOUND ATTENUATOR	
VAV-4	8	90/300/210	1.0	6650	180	2	0.5	METALAIRE - FV1500	PARALLEL FAN, COIL FILTER, FAN BACKDRAFT DAMPER, ADJUSTABLE FAN SPEED, SOUND ATTENUATOR	
VAV-7	8	100/320/225	1.0	3300	180	2	0.5	METALAIRE - FV1500	PARALLEL FAN, COIL FILTER, FAN BACKDRAFT DAMPER, ADJUSTABLE FAN SPEED, SOUND ATTENUATOR	
VAV-9	8	90/290/205	1.0	4800	180	2	0.5	METALAIRE - FV1500	PARALLEL FAN, COIL FILTER, FAN BACKDRAFT DAMPER, ADJUSTABLE FAN SPEED, SOUND ATTENUATOR	
VAV-11	12	965/290/675	1.0	9750	180	2	1	METALAIRE - FV1500	PARALLEL FAN, COIL FILTER, FAN BACKDRAFT DAMPER, ADJUSTABLE FAN SPEED, SOUND ATTENUATOR	
VAV-1	12	165/540/380	1.0	15,750	180	2	1.75	METALAIRE - FV1500	PARALLEL FAN, COIL FILTER, FAN BACKDRAFT DAMPER, ADJUSTABLE FAN SPEED, SOUND ATTENUATOR	
VAV-8	12	265/870/610	1.0	9200	180	2	0.75	METALAIRE - FV1500	PARALLEL FAN, COIL FILTER, FAN BACKDRAFT DAMPER, ADJUSTABLE FAN SPEED, SOUND ATTENUATOR	
VAV-6	12	305/1005/705	1.0	14,100	180	2	1	METALAIRE - FV1500	PARALLEL FAN, COIL FILTER, FAN BACKDRAFT DAMPER, ADJUSTABLE FAN SPEED, SOUND ATTENUATOR	
VAV-5	14	405/1335/935	1.0	13,400	180	2	1	METALAIRE - FV1500	PARALLEL FAN, COIL FILTER, FAN BACKDRAFT DAMPER, ADJUSTABLE FAN SPEED, SOUND ATTENUATOR	
VAV-12-1	16	1950/585/1360	1.0	18,700	180	2	1	METALAIRE - FV1500	PARALLEL FAN, COIL FILTER, FAN BACKDRAFT DAMPER, ADJUSTABLE FAN SPEED, SOUND ATTENUATOR	
VAV-12-2	16	1925/580/1355	1.0	18,700	180	2	1	METALAIRE - FV1500	PARALLEL FAN, COIL FILTER, FAN BACKDRAFT DAMPER, ADJUSTABLE FAN SPEED, SOUND ATTENUATOR	
NOTES:										
1. MAX COIL WATER PRESSURE DROP = 1.0 FEET W.C.										
2. ALL FAN MOTORS SHALL BE 120 VOLT TYPE ECM WITH ADJUSTABLE SPEED CONTROLLERS.										
3. INCREASE ALL WATER FLOWS 18% FOR 50% GLYCOL										

FAN SCHEDULE													
TAG	SERVICE	TYPE	CFM	ESP (IN.W.G.)	TSP (IN.W.G.)	RPM	VFD	HP	V/PH/Hz	CURB	VIB. ISO.	WEIGHT (LB)	DRIVE TYPE
EF-1	GENERAL EXHAUST	DOWNBLAST	1910	2	---	1200	NO	1.5	480/3/60	YES	INTERNAL	---	DIRECT
GENERAL NOTES:													
A. ALL WELDED CONSTRUCTION WITH DRAIN PLUG AND VIB. ISOLATION BASE.													
B. MOTOR HP AT DESIGN CONDITIONS SHALL BE LESS THAN 125% OF BHP.													
C. STATIC PRESSURES SHOWN ARE AT SEA LEVEL													

GRILLE/REGISTER/DIFFUSER SCHEDULE						
MARK	MANUFACTURER	MODEL	SURFACE TYPE	FACE DIM.	NECK SIZE	FINISH
A	METALAIRE	5000	LAY-IN	24 X 24	VARIES	WHITE
B	METALAIRE	SRP	LAY-IN	24 X 24	DUCT SIZE	WHITE
C	METALAIRE	FTSI	LAY-IN	4"	DUCT SIZE	WHITE
D	METALAIRE	SRP	SIDEWALL	VARIES	DUCT SIZE	WHITE
E	METALAIRE	4002M	SIDEWALL	VARIES	DUCT SIZE	WHITE
F	METALAIRE	SPRTB	LAY-IN	24 X 24	N/A	WHITE
G	METALAIRE	SG500S	LAY-IN	24 X 24	VARIES	WHITE
REMARKS						
OMNI-DIRECTIONAL LAY-IN, NO PERFORATED PLATES OR FACE DAMPERS, PROVIDE FRAME IF REQUIRED						
RETURN/EXHAUST AIR GRILLE, NO VOL DAMPER, PROVIDE FRAME FOR SOLID CEILINGS						
SUPPLY AIR SLOT DIFFUSER, NO VOLUME DAMPER, INSULATED PLENUM						
RETURN/EXHAUST AIR GRILLE, NO VOL DAMPER, PROVIDE FRAME FOR SOLID CEILINGS						
SUPPLY AIR GRILLE WITH FACE DAMPER SINGLE DEFLECTION						
RETURN AIR GRILLE, NO DUCT ATTACHED						
OMNI DIRECTIONAL LAY-IN, STEEL LATTICE FACE PANEL, NO FACE DAMPERS, PROVIDE FRAME IF REQUIRED						

STEAM TRAP SCHEDULE								
TAG	LOCATION	SYSTEM	TYPE	DESTINATION	OPERATING PRESSURE (PSIG)	POUNDS PER HOUR	SAFETY FACTOR	REMARKS
ST-1	CEILING PLENUM	AHU-1	INVERTED BUCKET	MAIN CONDENSATE RETURN LINE	30	60.4	3	POUNDS PER HOUR INCLUDES SAFETY FACTOR

No.	Description	Date
1	100% CONST. DOCS	12/30/16
2	REVISION 1	03/28/17

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VISN 9: MID SOUTH NETWORK  
MOUNTAIN HOME VA MEDICAL CENTER

Drawing Title:  
HVAC EQUIPMENT SCHEDULES

Scale:

Approved:

Project Title:  
MRI/PET CLINIC & WAITING AREA

Building Number:

Location:  
Mountain Home VA Medical Center  
809 Lamont St., Mountain Home, TN 37654

Date:  
12/30/2016

Project No.:  
621-326

Drawing No.:  
M403

