

**ROOM AIR BALANCE SCHEDULE**

ROOM #	ROOM NAME	AHU #	TERMINAL UNIT #	INDIVIDUAL ROOM TEMP. CONTROL	ROOM AIRFLOW		ROOM AIR BALANCE	ROOM SA FLOW	ROOM RA FLOW	ROOM EA FLOW	NET INFILTRATION	NET EXFILTRATION	REMARKS
					CV	VAV							
370	CORRIDOR	AHU-1	V3B-6,7	YES	X		+	670 CFM	560 CFM			110 CFM	
371	ELECTRICAL CLOSET	AHU-1		NO	X		-		100 CFM		100 CFM		
372	MEDICATION STORAGE	AHU-1	V3B-3	YES		X	+	300 CFM	255 CFM			45 CFM	
373	STEP-DOWN ROOM	AHU-1	V3B-4	YES		X	+	300 CFM	175 CFM			125 CFM	
373A	TOILET	AHU-1		YES	X		--			80 CFM	80 CFM		ROOM TEMP. CONTROL VIA RADIANT PANEL
374	STEP-DOWN ROOM	AHU-1	V3B-5	YES		X	+	300 CFM	160 CFM			140 CFM	
374A	TOILET	AHU-1		YES	X		--			95 CFM	96 CFM		ROOM TEMP. CONTROL VIA RADIANT PANEL
375	NURSES STATION	AHU-1	V3B-6	YES		X	0	275 CFM	275 CFM				
381	SOILED UTILITY	AHU-1	V3B-8	NO	X		--	50 CFM		100 CFM	100 CFM		
382	CLEAN SUPPLY	AHU-1	V3B-8	NO	X		+	100 CFM	75 CFM			25 CFM	
383	CLEAN LINENS	AHU-1	V3B-8	NO	X		+	75 CFM	50 CFM			25 CFM	
384	ISOLATION BEDROOM	AHU-1	V3B-11	YES	X		--	310 CFM		445 CFM	135 CFM		
384A	ISOLATION BATHROOM	AHU-1		YES	X		--			85 CFM	85 CFM		
385	STEP-DOWN ROOM	AHU-1	V3B-10	YES		X	+	275 CFM	155 CFM			120 CFM	
385A	TOILET	AHU-1		YES	X		--			85 CFM	85 CFM		ROOM TEMP. CONTROL VIA RADIANT PANEL
386	STEP-DOWN ROOM	AHU-1	V3B-9	YES		X	+	275 CFM	155 CFM			120 CFM	
386A	TOILET	AHU-1		YES	X		--			80 CFM	80 CFM		ROOM TEMP. CONTROL VIA RADIANT PANEL
387	STEP-DOWN ROOM	AHU-1	V3B-2	YES		X	+	250 CFM	135 CFM			115 CFM	
387A	TOILET	AHU-1		YES	X		--			80 CFM	80 CFM		ROOM TEMP. CONTROL VIA RADIANT PANEL
388	EQUIPMENT ROOM	AHU-1	V3B-1	YES	X		+	150 CFM	100 CFM			50 CFM	
389	TOILET	AHU-1		NO	X		--			75 CFM	75 CFM		

**NOTES**

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**AIR HANDLING UNIT SCHEDULE**

UNIT NUMBER	LOCATION	AREA(S) SERVED	TYPE	MINIMUM OUTSIDE AIR CFM (OCCUPIED)	MINIMUM OUTSIDE AIR CFM (TAB OCC.)	PRE-FILTER (PF-1) DATA								ACCESS SECTION	PRE-FILTER (PF-2) DATA						ACCESS SECTION	CHILLED WATER COOLING COIL DATA													
						PRE-FILTER BOX (Y/N)	CFM	MIN. FACE AREA (SQ. FT.)	PD (IN. W.G.)		EFFICIENCY	TYPE	PRE-FILTER BOX (Y/N)		CFM	MIN. FACE AREA (SQ. FT.)	PD (IN. W.G.)		EFFICIENCY	TYPE		COOLING LOAD			AIR SIDE DATA			WATER SIDE DATA							
									CLEAN	MID LIFE							CLEAN	FINAL				TOTAL MBH	SENS. MBH	CFM	EAT (°F) DB/WB	LAT (°F) DB/WB	MAX APD (IN. W.G.)	MAX FACE VEL (FPM)	GPM	EWT (°F)	LWT (°F)	WPD (FT.W.G.)	MIN. ROWS	MAX FPF	MIN. TUBE VEL. (FPS)
1-AHU-1	ATTIC	STEP-DOWN ICU	VAV	1,135	1,135	Y	3,700	8.0	0.25	0.64	MERV 8	NOTE 6	YES	Y	3,700	8.0	0.25	0.73	MERV 11	NOTE 7	YES	84.76	76.68	3,700	74/62	55/54	0.452	500	14.1	45	57	1.75	6	100	1

**AIR HANDLING UNIT SCHEDULE (CONTINUED)**

UNIT NUMBER	SUPPLY FAN DATA										AFTER-FILTER (AF-1) DATA						DISCHARGE PLENUM SECTION			CIRCUIT 1 MCA	CIRCUIT 1 MOCP	NOTES				
	FAN CFM	T&B FAN CFM	EXT. S.P. IN. W.G.	MINIMUM TOTAL S.P. IN. W.G.	FAN TYPE	WHEEL DIA. & TYPE	MAX. OUTLET VEL. (FPM)	MAX. FAN RPM	MOTOR DATA				CFM	MIN. FACE AREA (SQ. FT.)	PD IN W.C.		EFFICIENCY	TYPE	PROVIDE ACCESS DOOR				MINIMUM SECTION LENGTH	MAX APD (IN. W.G.)		
									MIN. HP	V	PH	Hz			CLEAN	MID LIFE										
1-AHU-1	3,700	3,330	2.0	6.5	FC H.P.	10"	3,545	2,342	7.5	208	3	60	MANUF.	MANUF.	3,700	8.0	0.25	0.86	MERV 14	NOTE 17	Y	30'	0.06	28.0	50	ALL

- NOTES**
- MECHANICAL CONTRACTOR SHALL INSTALL SMOKE DETECTOR IN SUPPLY- AND RETURN-AIR DUCTWORK. INTERLOCK SMOKE DETECTORS TO SHUT DOWN FANS ON ALARM (BY CONTROLS CONTRACTOR). SMOKE DETECTORS SHALL BE FURNISHED AND WIRED (POWER AND FIRE ALARM) BY THE ELECTRICAL CONTRACTOR.
  - MECHANICAL CONTRACTOR AND UNIT MANUFACTURER SHALL COORDINATE CAREFULLY FOR THE DUCT CONNECTIONS TO THE UNITS. SEE PLANS AND UNIT SECTIONS.
  - POWER FOR FANS SHALL BE SINGLE POINT CONNECTION. PROVIDE SEPARATE CIRCUIT(S) FOR LIGHTS AND SERVICE RECEPTACLES. COORDINATE WIRING AND POWER REQUIREMENTS WITH E.C. ALL EQUIPMENT/COMPONENTS SHALL COME PRE-WIRED FROM THE FACTORY WITH ANY REQUIRED TRANSFORMERS, ACCESSORIES, WIRING, ETC. ALREADY COMPLETED AND READY FOR E.C. TO MAKE FINAL CONNECTIONS.
  - OUTLET VELOCITIES OF FANS SHALL NOT EXCEED 3,600 FEET PER MINUTE.
  - PROVIDE MERV 8; 2-INCH THICK DISPOSABLE FILTERS. (NOMINAL FILTER SIZES SHALL BE 24"x24")
  - PROVIDE MERV 11; 6-INCH THICK RIGID CARTRIDGE FILTERS. (NOMINAL FILTER SIZES SHALL BE 24"x24")
  - PROVIDE 8" HIGH BASE RAIL UNDER UNIT.
  - ALL DAMPERS SHALL BE OPPOSED BLADE TYPE AND ARRANGED FOR SEPARATE OUTSIDE AIR AND RETURN AIR ACTUATORS.
  - ALL UNITS SHALL BE DOUBLE WALL CONSTRUCTION WITH 2" THICK SPRAY FOAM PANELS.
  - MINIMUM SCHEDULED CHILLED WATER COIL TUBE VELOCITIES ARE FOR DESIGN MAXIMUM WATER FLOW RATES, AS SCHEDULED.
  - MAXIMUM APD AND MAXIMUM COIL FACE VELOCITIES SCHEDULED ARE FOR FULL FAN DESIGN AIRFLOW.
  - PROVIDE MARINE LIGHT IN ALL SECTIONS WITH ACCESS DOOR. PROVIDE UNIT WITH SEPARATE 120V CIRCUIT CONVENIENCE RECEPTACLE AND LIGHTS.
  - VFDs SHALL BE PROVIDED BY MANUFACTURER. VFDs SHALL BE MOUNTED INSIDE OF A SEALED NEMA 1A ENCLOSURE THAT IS ACCESSIBLE FROM THE EXTERIOR OF THE UNIT, WITHOUT ENTERING THE FAN SECTION.
  - PROVIDE ONE OUTSIDE AIR CONNECTION FOR TIE-IN TO TEMPERED VENTILATION AIR DUCTWORK.
  - PROVIDE MERV 14; 12-INCH THICK RIGID CARTRIDGE FILTERS. (NOMINAL FILTER SIZES SHALL BE 24"x24")
  - PROVIDE AIR DISTRIBUTION BAFFLE WITH 0.03" STATIC PRESSURE LOSS MAXIMUM
  - PROVIDE VARIABLE FREQUENCY DRIVES WITH MANUAL HARD BYPASS AND DISCONNECTING MEANS. SEE VFD SECTION OF SPECIFICATIONS.
  - SUBMIT UNIT COMPONENT STATIC PRESSURE LOSS TABULATION.
  - FAN(S) AND MOTOR (S) SHALL BE CAPABLE OF PRODUCING AIRFLOW AND STATIC PRESSURE INDICATED, WITH STABLE FAN OPERATION.
  - UNIT CASINGS SHALL BE CONSTRUCTED FOR 8" W.G. PRESSURE.
  - BASIS OF DESIGN TRAINING: PERFORMANCE CLIMATE CHANGER, OR EQUIVALENT.

REVISION NO.	REVISION DESCRIPTION	By	Date



Department of Veterans Affairs  
 Veterans Healthcare System of  
 the Ozarks  
 1100 North College Avenue  
 Fayetteville, AR 72703



Architect/Engineer Address  
  
**HARRELL**  
 DESIGN GROUP, P.C.  
 8016 TOWER POINT DRIVE CHARLOTTE, NC 28227 P 704.814.1320 F 704.321.0833  
 www.harrelldg.com  
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