

NOTES:

REFER TO AIR SIZING TERMINAL UNIT SIZING SCHEDULE ON THIS SHEET FOR CORRESPONDING SIZE INFORMATION.

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AIR DEVICE SCHEDULE (SUPPLY)												
MARK	TYPE	AIR FLOW, CFM		MAX APO IN WG	MOUNTING	FRAME SIZE	NECK SIZE	THROW PATTERN	NC	DAMPER	FINISH	REMARKS
		MIN	MAX			IN X IN	IN					
S1	PLAQUE	0	120	0.040	CEILING	24 x 24	6 ø	4-WAY	15	NONE	WHITE	SEE NOTES BELOW
S2	PLAQUE	121	250	0.070	CEILING	24 x 24	8 ø	4-WAY	17	NONE	WHITE	SEE NOTES BELOW
S3	PLAQUE	251	375	0.100	CEILING	24 x 24	10 ø	4-WAY	20	NONE	WHITE	SEE NOTES BELOW
S4	PLAQUE	0	75	0.200	CEILING	12 x 12	4 ø	4-WAY	22	NONE	WHITE	SEE NOTES BELOW
S5	PLAQUE	376	500	0.100	CEILING	24 x 24	12 ø	4-WAY	20	NONE	WHITE	SEE NOTES BELOW

NOTES

1. PROVED OPPOSED BLADE DAMPER, FRAME TO SUIT CEILING TYPE (DRYWALL/ACOUSTICAL). SEE ARCHITECTURAL DRAWING.

2. PROVIDE SQUARE TO ROUND ADAPTER, WHERE NECESSARY.

AIR DEVICE SCHEDULE (RETURN/EXHAUST)											
MARK	TYPE	AIR FLOW, CFM		MAX APD	MOUNTING	FRAME SIZE	NECK SIZE	NC	DAMPER	FINISH	REMARKS
		MIN	MAX	IN WG		IN x IN	IN x IN				
R1	PERFORATED	0	1200	0.010	CEILING	24 x 24	22 X 22 OR EQUIVALENT NECK DIAMETER	20	NONE	WHITE	SEE NOTES BELOW
R2	PERFORATED	0	600	0.020	CEILING	24 x 12	22 X 10 OR EQUIVALENT NECK DIAMETER	20	NONE	WHITE	SEE NOTES BELOW
E1	LOUVERED	0	130	0.100	CEILING	8 X 8	6 X 6 OR EQUIVALENT NECK DIAMETER	20	NONE	WHITE	SEE NOTES BELOW
E2	LOUVERED	0	370	0.100	CEILING	12 x 12	10 X 10 OR EQUIVALENT NECK DIAMETER	20	NONE	WHITE	SEE NOTES BELOW
NOTE 1) PROVIDE SQUARE TO ROUND ADAPTER WHERE NECESSARY. 2) DIFFUSERS/GRILLES IN PATIENT TOILET RMS SHALL BE ALUMINUM. 3) PROVIDE FRAME TO SUIT CEILING TYPE (DRY WALL/ACOUSTICAL). SEE ARCHITECTURAL DRAWING.											

LOUVER SCHEDULE						
MARK	SYSTEM AND/OR SERVICE	AIR FLOW	AIR VELOCITY	LOUVER SIZE	FREE AREA (%)	REMARKS
		CFM	FFM	IN x IN		
L 1-E	EF 1-E, EF 2-E	4500	1000	60x 24	54	SEE NOTES BELOW
L 1-IN	EF 2-IN	1000	1000	24x 14	54	SEE NOTES BELOW
L 2-IN	EF 3-IN	350	1000	10x 10	54	SEE NOTES BELOW

NOTE

- 1) PROVIDE GALVANIZED SLEEVE, BIRDSCREEN, DRAINABLE BLADES, AND FLANGED FRAME.
- 2) ANODIZED ALUMINUM 6" DEEP LOUVER, COLOR AND FINISH AS CHOSEN BY ARCHITECT.
- 3) VERIFY EXACT MOUNTING HEIGHT, LOCATION AND SIZE WITH THE ARCHITECTURAL AND STRUCTURAL DRAWINGS.

AIR TERMINAL UNIT SIZING SCHEDULE										
SIZE	MIN ALLOWABLE AIR FLOW	MAX ALLOWABLE AIR FLOW	DUCT INLET SIZE	MAX APD	HOT WATER HEATING COIL					REMARKS
					EAT	EWT	FLOW	MAX WPD	HEATING @ MAX AIRFLOW	
	CFM	CFM	IN	IN WG	"F	"F	GPM	FT WG	BTU/HR	
A	80	200	4	.065	56	160	0.80	0.17	8.09	SEE NOTES BELOW
B	120	300	6	.134	56	160	0.80	0.17	12.09	SEE NOTES BELOW
C	160	400	6	.223	56	160	0.80	0.17	13.50	SEE NOTES BELOW
D	200	500	6	.330	56	160	0.90	0.21	15.21	SEE NOTES BELOW
E	240	600	8	.274	56	160	1.00	0.36	19.27	SEE NOTES BELOW
F	280	700	8	.361	56	160	1.00	0.36	20.29	SEE NOTES BELOW
G	320	800	8	.457	56	160	1.40	0.65	23.94	SEE NOTES BELOW
H	360	900	8	.563	56	160	1.50	0.73	25.50	SEE NOTES BELOW
I	400	1000	10	.347	56	160	1.60	0.47	30.29	SEE NOTES BELOW
J	520	1300	10	.553	56	160	2.30	0.88	37.53	SEE NOTES BELOW
NOTES										
1. PROVIDE FACTORY MOUNTED DDC CONTROL PANEL ALONG WITH 24V ACTUATOR, COMPATIBLE WITH NEW DDC CONTROL SYSTEM FOR THIS BUILDING.										
2. MAXIMUM AND MINIMUM AIR SHALL BE FACTORY PRESET, AND CALIBRATED TO READ IN ACTUAL CFM VALUES, ADJUSTABLE IN THE FIELD VIA NEW DDC BUILDING CONTROL SYSTEM.										
3. PROVIDE HOT WATER HEATING COIL WITH ITS CONTROL VALVE.										
4. INTEGRATE VAV DAMPER AND HW HEATING COIL CONTROL VALVE WITH SPACE THERMOSTAT OR TEMPERATURE SENSOR AS REQUIRED PER PLANS.										

ELECTRIC UNIT HEATER SCHEDULE									
MARK	LOCATION	AREA AND/OR BLDG SERVED	TYPE	AIR FLOW	MIN CAPACITY	POWER			REMARKS
				CFM	KW	AMP	PHASE	VOLT	
CUH 1-1N	AMBULANCE VESTIBULE IN200A	AMBULANCE VESTIBULE IN200A	HORIZONTAL	200	2.0	9.8	1	208	SEE NOTES BELOW
CUH 2-1N	DECON IN200B	DECON IN200B	HORIZONTAL	200	2.0	9.8	1	208	SEE NOTES BELOW
CUH 1-1N	VESTIBULE IN100A	VESTIBULE IN100A	HORIZONTAL	200	2.0	9.8	1	208	SEE NOTES BELOW
CUH 1-1E	ENTRY E102	ENTRY E102	HORIZONTAL	200	2.0	9.8	1	208	SEE NOTES BELOW
CUH 2-1E	EQUIPMENT STORAGE E103	EQUIPMENT STORAGE E103	HORIZONTAL	200	2.0	9.8	1	208	SEE NOTES BELOW
NOTES: 1. UL LISTED, 2. PROVIDE WITH WALL THERMOSTAT									

AIR CURTAIN UNIT SCHEDULE													
MARK	LOCATION	AREA AND/OR BLDG SERVED	TYPE	LENGTH	WEIGHT	MOTOR	FAN MOTOR			MAX CFM @NOZZLE	MAX CFM @NOZZLE	dBA MEASURED 10 FT. FR NOZZLE	REMARKS
							FAN POWER	PHASE	VOLT				
AC-1-N	AMBULANCE VESTIBULE IN200A	AMBULANCE VESTIBULE IN200A	HORIZONTAL	10	440	1750	1	3	230	4200	12,000	75	SEE NOTES BELOW
AC-2-N	VESTIBULE IN100A	VESTIBULE IN100A	HORIZONTAL	10	440	1750	1	3	230	4200	12,000	75	SEE NOTES BELOW
NOTES													
1. AIR CURTAIN SHALL MEET THE REQUIREMENTS OF THE NATIONAL ELECTRIC CODE (N.E.C) AND SHALL BE CANADIAN AND U.S. ENGINEERING TESTING LABORATORIES (ETL) CERTIFIED AND BEAR THE CE MARK.													
2. CABINETS SHALL BE A SELF CONTAINED ONE PIECE HOUSING WITH SUFFICIENT STRENGTH FOR FASTENING TO WALL ON BOTH ENDS WITHOUT INTERMEDIATE SUPPORT. CABINET CONSTRUCTED OF FIRE RETARDANT, CORROSION PROOF PAINT LOCK METAL AND DOUBLE PROTECTED BY GRAY BACKED RUST PREVENTIVE ELECTROSTATIC POLYURETHANE POWDERCOATING. CABINET TO HAVE MECHANICALLY FIELD ADJUSTABLE AIR INTAKE LOUVER ASSEMBLY, CAPABLE OF REDUCING OUTLET AIR VELOCITY UP TO 60% WITH LOUVERS IN TOTALLY CLOSED POSITION. DISCHARGE AIR OUTLET NOZZLE SHALL BE WEDGE SHAPED CONTAINING ADJUSTABLE AIR DIRECTIONAL VANES WITH A 40" SWEEP FRONT TO BACK MOTOR/FAN ASSEMBLY TO BE EASILY ACCESSIBLE FOR MAINTENANCE.													
3. MOTOR(S) SHALL BE TOTALLY ENCLOSED AIR OVER (TEAO) TYPE SUITABLE FOR CONTINUOUS HEAVY DUTY, ALL ANGLE OPERATION. CONSTRUCTION SHALL INCLUDE SEALED LIFETIME PRE-LUBRICATED BALL BEARINGS, RESILIENT MOUNT AND PROTECTED BY AN AUTOMATIC RESET THERMAL PROTECT SWITCH. MOTOR(S) TO HAVE QUICK DISCONNECT PLUG FOR FAST AND EASY REMOVAL OF MOTOR/FAN ASSEMBLY FOR INSPECTION AND CLEANING. MOTOR(S) TO HAVE DOUBLE EXTENDED SHAFT AND DIRECT DRIVE, DOUBLE INLET, DYNAMICALLY BALANCED, FORWARD CURVED SQUIRREL CAGE BLOWER WHEELS.													
4. AIR CURTAIN SHALL CONTAIN PREWIRED CONTROL PANEL SHIPPED LOOSE, READY FOR POWER CONNECTION. PANEL TO BE MOUNTED ON RIGHT HAND SIDE OF UNIT UNLESS OTHERWISE SPECIFIED. CONTROL PANEL ADDS 4 INCHES TO UNIT'S OVERALL LENGTH AND REQUIRES AN ADDITIONAL 20 INCHES OF CLEARANCE FROM THE END OF THE CABINET FOR ACCESS TO PANEL. UNIT SHALL INCLUDE A 24 VOLT THERMOSTAT WITH "HEAT/OFF" SWITCH, SHIPPED LOOSE AND FIELD INSTALLED. TERMINAL BLOCK PROVIDED INSIDE PANEL.													

ELECTRIC HUMIDIFIER UNIT SCHEDULE											
MARK	LOCATION	AREA AND/OR BLDG SERVED	TYPE	OUTPUT/HOUR	OPERATING WEIGHT	SHIPPING WEIGHT	ELECTRICAL DATA				REMARKS
				LBS/GAL	LBS	LBS	AMPS	PHASE	VOLTA	KW	
HU-1-N	CORRIDOR IN200	CLEAN SUPPLY 1N616	HORIZONTAL	67	43	18	9.6	1	120	2.0	SEE NOTES BELOW
HU-1-E	CORRIDOR IN200	CLEAN UTILITY 1E12	HORIZONTAL	67	43	18	9.6	1	120	2.0	SEE NOTES BELOW
NOTES											
<div>1. WATER MAKE-UP PIPING SHOULD BE OF CORROSION-RESISTANT, CODE-APPROVED MATERIAL (COPPER, STEEL, OR PLASTIC). THE FINAL CONNECTION SIZE IS 1/4" NPT. IN CASES WHERE WATER HAMMER IS POSSIBLE, A SHOCK ARRESTOR SHOULD BE CONSIDERED.</div> <div>2. DRAIN PIPING SHOULD BE OF CODE APPROVED MATERIAL (COPPER, STEEL, OR PLASTIC RATED FOR 212F/100C MINIMUM). THE 3/4" O.D. COPPER SWEAT CONNECTION SHOULD NOT BE REDUCED IN SIZE.</div> <div>3. THE CRUV IS DESIGNED FOR A SINGLE SOURCE OF ELECTRIC POWER SUPPLY. FUTURE TANK REMOVAL WILL BE EASIER IF PLUGS OR QUICK CONNECTS AND EXTRA LONG CONDUITS ARE USED TO PROVIDE ELECTRICAL POWER TO COMPONENTS FROM SUBPANEL. WIRING MUST MEET ALL ELECTRICAL CODES, THE CURRENT CHARACTERISTICS, AND CAPACITY REQUIREMENTS SHOULD BE CHECKED AGAINST THE NAMEPLATES. THE ELECTRICAL SUBPANEL SHOULD BE MOUNTED IN A LOCATION CONVENIENT FOR SERVICE. WIRING MUST BE IN ACCORDANCE WITH ALL GOVERNING CODES, AND WITH THE HUMIDIFIER WIRING DIAGRAM. THE WIRING BETWEEN THE CONTROL CABINET AND HUMIDIFIER MUST BE RATED AT 105°C, 600V.</div> <div>4. WHEN INSTALLING THE DISPERSION TUBE IN A DUCT, ALLOW FOR A CONTINUOUS PITCH OF THE VAPOR HOSE BACK TO THE EVAPORATING CHAMBER. OTHERWISE, USE A WATER SEAL AND DRAIN.</div>											

GENERAL NOTE

SEE SPECIFICATIONS FOR DETAILED FEATURES OF THE EQUIPMENT SHOWN ON THESE DRAWINGS. COMPLY WITH ALL STANDARDS AND CODES AS SHOWN IN SPEC.

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CONSULTANTS:



The Estopinal Group
Architecture Engineering Interiors

820 Jordan Street, Suite 507 tel. 318.424.3700
Shreveport, LA 71101 fax 318.424.3764



PROJECT MANAGERS AND ENGINEERS:



A VETERAN
OWNED COMPANY

3 EXECUTIVE COURT, UNIT 4
SOUTH BARRINGTON, IL 60010

Drawing Title
MECHANICAL SCHEDULES
Approved: Project Director

Project Title		
RENOVATE ED + PRIMARY CARE		
Location		
SHREVEPORT VAMC 510 EAST STONER AVE		
Date	Checked	Drawn
01/09/13	RM	SL

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Building Number 1N, 1E
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and Facilities
Management

