

CV/VAV TERMINAL UNIT SCHEDULE

BASIS OF DESIGN:

TITUS "ESV" SERIES TERMINALS WITH FACTORY-INSTALLED CONTROLS FURNISHED BY CONTROLS SUBCONTRACTOR.

GENERAL REQUIREMENTS:

TERMINAL UNIT ASSEMBLY INCLUDES AIR VALVE, CONTROLLER AND HEATING COIL. TERMINAL UNIT SHALL BE ABLE TO OPERATE AT ANY POINT WITHIN THE SETPOINT RANGE INDICATED BELOW. INITIALLY SET MAXIMUM AND MINIMUM CFMS AT VALUES INDICATED ON THE PLANS FOR EACH INDIVIDUAL TERMINAL.

UPSTREAM DUCTWORK:

INLET SIZE INDICATED BELOW IS IN INCHES DIAMETER. PROVIDE CONNECTING DUCT (SAME CROSS SECTION AREA AS INLET) FROM INLET TO MEDIUM PRESSURE TRUNK DUCT. WHERE SPACE IS NOT AVAILABLE FOR ROUND DUCT, PROVIDE FLAT OVAL OR RECTANGULAR DUCT OF EQUAL OR GREATER CROSS SECTION AREA WITH NECESSARY TRANSITIONS.

DOWNSTREAM DUCTWORK:

PROVIDE OUTLET DUCT, SIZE INDICATED BELOW IN INCHES, FROM TERMINAL (OR SOUND ATTENUATOR) OUTLET TO THE POINT DOWNSTREAM THAT A DIFFERENT SIZE DUCT IS INDICATED ON PLAN. WHERE NECESSARY DUE TO SPACE RESTRICTIONS, PROVIDE DIFFERENT SHAPE DUCT WITH THE SAME CROSS SECTION AREA. PROVIDE ALL NECESSARY TRANSITIONS.

HEATING COIL:

ALL TERMINAL HEATING COILS SHALL BE LOCATED AT THE TERMINAL DISCHARGE AND SHALL BE BASED ON 180° E.W.T. AND 55° E.A.T.

MAXIMUM COIL AIR PRESSURE DROP IS 0.35" WG, MAXIMUM WATER PRESSURE DROP IS 5.0 FT.

NOTE THAT L.A.T. AND PRESSURE DROP SHALL BE BASED ON "DESIGN" CFM.

HEATING PIPING:

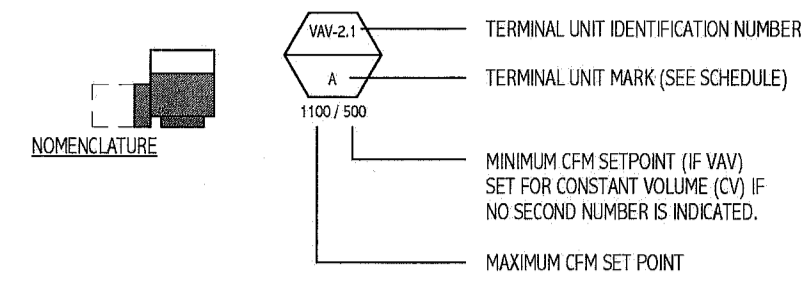
PROVIDE HEATING WATER SUPPLY AND RETURN PIPING, SIZE INDICATED BELOW, WITH SPECIFIED AUTOMATIC BALANCING PACKAGE, FROM COIL TO HEATING MAINS.

SOUND ATTENUATION:

SOUND POWER VALUES BELOW ARE THE MAXIMUM ALLOWED DISCHARGE SOUND POWER RATINGS AS CERTIFIED BY ARI (STANDARD 880-94) FOR OCTAVE BANDS 2, 4, AND 6 WHEN THE BARE TERMINAL (NO COIL OR SOUND ATTENUATOR) IS MEASURED AT DESIGN CFM WITH PRIMARY AIR AT 1.5" PRESSURE DROP. TO REDUCE NOISE LEVELS, SOUND ATTENUATION SHALL BE PROVIDED AS NOTED:

SA = FIELD-INSTALLED 3 FOOT SOUND ATTENUATOR (SEE SPECIFICATIONS) JUST DOWNSTREAM OF TERMINAL. MAX. PRESSURE DROP OF 0.15" AT DESIGN CFM. PROVIDE TRANSITIONS AS NECESSARY.

AL = FIELD-INSTALLED ACOUSTIC LINING IN THE DISCHARGE DUCT, MIN. LENGTH AS INDICATED BELOW UNLESS OTHERWISE INDICATED ON PLAN.



MARK	SETPOINT RANGE		TARGET CFM	INLET SIZE	OUTLET DUCT	HEATING COIL			SOUND POWER			BRANCH PIPE SIZE	SOUND ATTENUATION	REMARKS
	LOWEST MIN.	HIGHEST MAX.				ROWS	LAT	G.P.M.	2	4	6			
A	50	225	225	4	12x8	1	82	1.0	72	61	54	1/2"		
B	80	500	400	6	12x8	1	77	1.5	74	62	52	1/2"		
C	150	900	650	8	12x10	1	75	2.0	71	65	56	3/4"		
D	230	1400	950	10	14x14	1	74	2.5	78	65	57	3/4"		
E	330	2000	1200	12	16x14	1	79	1.5	75	67	59	3/4"		
F	450	3000	1800	14	20x16	1	77	1.5	76	68	59	3/4"		
G	580	4000	2200	16	24x16	1	77	2.0	78	70	62	3/4"		
H	80	900	400	6	12x8	2	91	1.5	74	62	52	3/4"		
I	150	900	650	8	12x10	2	90	2.5	71	65	56	3/4"		
J	230	1400	1000	10	14x14	2	90	3.5	78	65	57	3/4"		
K	330	2000	1300	12	16x16	2	90	3.5	75	67	59	3/4"		
L	450	3000	1800	14	20x18	2	90	4.5	76	68	59	1"		
M	580	4000	2200	16	24x18	2	90	6.0	78	70	62	1"		
N	1400	7500	5000	24x16	38x18	1	90	3.0	76	74	63	3/4"		

FAN COIL UNIT SCHEDULE

TAG	TYPE	SP IN W.G.	COOLING SMRH	MAX CFM	EWT °F	WATER AT	GPM	WPD FT WC	ESP IN WC	ELECTRICAL DATA				MAX UNIT DIMENSIONS	WT #	TYPICAL UNIT MFG & MODEL NO.	NOTES
										HP	FLA	VOLTS	PH				
FC-1	2-PIPE	N/A	14.2	600	44	12	5	10.5	N/A	1/20	0.35	208	1	47x15x8'D	50	MULTIQUA MBRW-24-H-1	-

NOTES:
1.
2.
3.

REGISTER, DIFFUSER & GRILLE SCHEDULE

TAG	CFM	NECK SIZE	TYPE	Δ P	MAX NC	TYPICAL UNIT MFG & MODEL NO.	NOTES
S-1	285-450	10"Ø	PLAQUE DIFFUSER	0.08	25	PRICE 24"x24" SPD	
S-2	455-630	12"Ø	PLAQUE DIFFUSER	0.08	25	PRICE 24"x24" SPD	
R-1	645-850	18"x18"	LOUVERED	0.10	<20	PRICE 535	

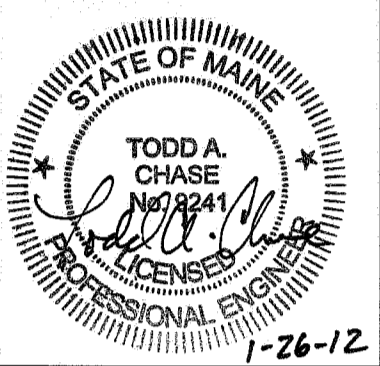
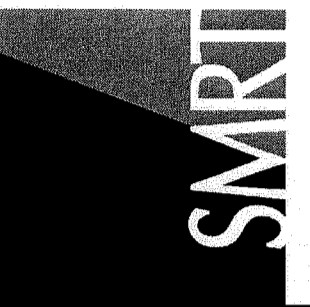
NOTES:

GENERAL NOTES:

1. SEE SHEET M-001 FOR LEGEND AND GENERAL NOTES.

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ARCHITECTURE
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MAINE MEDICAL CENTER
 ANGIO SINGLE PLANE - ROOM 2
 PORTLAND, ME
 ISSUED FOR PERMITTING
 01.27.12
 CURRENT ISSUE STATUS:

REV	DATE	DESCRIPTION

GRAPHIC SCALE:
0' 1'

SCALE: NOT TO SCALE
PROJECT MANAGER: D/V
SCHEMATIC: K/PB
DATE OF RECORD: TAC
PROJECT NO: 11127

SHEET TITLE:
MECHANICAL SCHEDULES

SHEET No.
M-601