

three inches = one foot  
one and one-half inches = 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

V.A.V. TERMINAL SCHEDULE																										
MARK	PRIMARY AIR			TYPE		MNFR	MODEL NO.	PRESSURE		DUCT CONN.		MAXIMUM TERMINAL HEIGHT (IN)	AIR HANDLING SYSTEM	HEATING COIL										MAX. NOISE NC.	NOTES	
	MAX. C.F.M.	MIN. C.F.M.	HEATING C.F.M.	SHUTOFF	REHEAT			DUAL DUCT	SERIES FAN	PARALLEL FAN	JOHNSON CONTROL			DESIGN INLET STATIC IN. W.G.	DESIGN DROP IN. W.G. MAX.	INLET	OUTLET	HOT WATER ELECTRIC	AIR TEMP. ENT./LVG.	CAP. MBH OR KW.	G.P.M.	PRESS. DROP FT. W.G.	WATER TEMP. ENT./LVG.			CONNECTIONS PIPE
VAV-301	360	230	360	*	*	*	DESV-6	1.0	0.3	6	12x8	12½"	2-AHU-2	*	55/85	11.5	0.75	0.18	180/130	½	30	1:2:3:4:5:6:				
VAV-302	500	270	500	*	*	*	DESV-7	1.0	0.27	7	12x8	12½"	2-AHU-2	*	55/85	15.9	1.0	0.33	180/130	½	30	1:2:3:4:5:				
VAV-303	360	300	360	*	*	*	DESV-6	1.0	0.3	6	12x8	12½"	2-AHU-2	*	55/85	11.5	0.75	0.18	180/130	½	30	1:2:3:4:5:				
VAV-304	400	290	400	*	*	*	DESV-6	1.0	0.37	6	12x8	12½"	2-AHU-2	*	55/85	12.7	0.8	0.15	180/130	½	30	1:2:3:4:5:				
VAV-305	330	330	330	*	*	*	DESV-5	1.0	0.22	5	12x8	12½"	2-AHU-2	*	55/85	10.6	0.7	0.15	180/130	½	30	1:2:3:4:5:				
VAV-306	855	380	855	*	*	*	DESV-8	1.0	0.60	8	12x10	12½"	2-AHU-2	*	55/85	27.0	1.8	1.07	180/130	¾	30	1:2:3:4:5:				
VAV-307	560	370	560	*	*	*	DESV-7	1.0	0.34	7	12x10	12½"	2-AHU-2	*	55/85	17.8	1.2	0.47	180/130	¾	30	1:2:3:4:5:				
VAV-308	220	220	220	*	*	*	DESV-4	1.0	0.16	4	12x8	12½"	2-AHU-3	*	55/85	7.0	0.5	0.06	180/130	½	30	1:2:3:4:5:				
VAV-309	380	330	380	*	*	*	DESV-6	1.0	0.33	6	12x8	12½"	2-AHU-3	*	55/85	12.1	0.8	0.15	180/130	½	30	1:2:3:4:5:				
VAV-310	350	350	350	*	*	*	DESV-6	1.0	0.28	6	12x8	12½"	2-AHU-3	*	55/85	11.1	0.75	0.18	180/130	½	30	1:2:3:4:5:				
VAV-311	290	290	290	*	*	*	DESV-6	1.0	0.34	6	12x8	12½"	2-AHU-3	*	55/85	9.2	0.6	0.11	180/130	½	30	1:2:3:4:5:6:				
VAV-312	330	330	330	*	*	*	DESV-6	1.0	0.26	6	12x8	12½"	2-AHU-3	*	55/85	10.6	0.7	0.16	180/130	½	30	1:2:3:4:5:				
VAV-313	410	275	410	*	*	*	DESV-6	1.0	0.39	6	12x8	12½"	2-AHU-3	*	55/85	13.0	0.9	0.20	180/130	½	30	1:2:3:4:5:6:				
VAV-314	370	330	370	*	*	*	DESV-6	1.0	0.31	6	12x8	12½"	2-AHU-3	*	55/85	11.8	0.8	0.20	180/130	½	30	1:2:3:4:5:				
VAV-315	500	300	500	*	*	*	DESV-7	1.0	0.27	7	12x10	12½"	2-AHU-3	*	55/85	15.9	1.2	0.47	180/130	¾	30	1:2:3:4:5:				
VAV-316	270	230	270	*	*	*	DESV-5	1.0	0.14	5	12x8	12½"	2-AHU-3	*	55/85	8.6	0.6	0.08	180/130	½	30	1:2:3:4:5:				
VAV-317	230	210	230	*	*	*	DESV-5	1.0	0.10	5	12x8	12½"	2-AHU-3	*	55/85	7.3	0.5	0.06	180/130	½	30	1:2:3:4:5:6:				
VAV-318	390	290	390	*	*	*	DESV-6	1.0	0.34	6	12x8	12½"	2-AHU-3	*	55/85	12.4	0.8	0.20	180/130	½	30	1:2:3:4:5:				
VAV-319	200	200	200	*	*	*	DESV-4	1.0	0.14	4	12x8	12½"	2-AHU-3	*	55/85	6.4	0.5	0.06	180/130	½	30	1:2:3:4:5:				
VAV-320	350	160	350	*	*	*	DESV-6	1.0	0.28	6	12x8	12½"	2-AHU-3	*	55/85	11.1	0.75	0.18	180/130	½	30	1:2:3:4:5:				
VAV-321	260	110	260	*	*	*	DESV-5	1.0	0.12	5	12x8	12½"	2-AHU-3	*	55/85	8.1	0.6	0.08	180/130	½	30	1:2:3:4:5:				
VAV-322	370	120	120	*	*	*	DESV-6	1.0	0.31	6	12x8	12½"	2-AHU-3	*	55/85	9.8	0.5	0.06	180/130	½	30	1:2:3:4:5:				
VAV-323	260	260	260	*	*	*	DESV-5	1.0	0.13	5	12x8	12½"	2-AHU-3	*	55/85	8.3	0.6	0.08	180/130	½	30	1:2:3:4:5:				
VAV-324	640	370	370	*	*	*	DESV-7	1.0	0.45	7	12x10	12½"	2-AHU-3	*	55/85	11.8	0.8	0.21	180/130	½	30	1:2:3:4:5:				
VAV-325	1440	270	1440	*	*	*	DESV-10	1.0	0.72	10	14x12	12½"	2-AHU-3	*	55/85	45.8	3.0	1.50	180/130	1	30	1:2:3:4:5:				
VAV-326	620	260	620	*	*	*	DESV-7	1.0	0.44	7	12x10	12½"	2-AHU-3	*	55/85	19.7	1.3	0.60	180/130	¾	30	1:2:3:4:5:				
VAV-327	330	90	330	*	*	*	DESV-5	1.0	0.21	5	12x8	12½"	2-AHU-3	*	55/85	10.4	0.7	0.12	180/130	½	30	1:2:3:4:5:				
VAV-328	390	260	390	*	*	*	DESV-6	1.0	0.34	6	12x8	12½"	2-AHU-3	*	55/85	12.4	0.8	0.15	180/130	½	30	1:2:3:4:5:				
VAV-329	360	300	360	*	*	*	DESV-6	1.0	0.30	6	12x8	12½"	2-AHU-3	*	55/85	11.4	0.8	0.15	180/130	½	30	1:2:3:4:5:				
VAV-330	490	290	490	*	*	*	DESV-6	1.0	0.55	6	12x8	12½"	2-AHU-3	*	55/85	15.5	1.2	0.34	180/130	¾	30	1:2:3:4:5:				
VAV-331	260	230	260	*	*	*	DESV-5	1.0	0.13	5	12x8	12½"	2-AHU-3	*	55/85	8.3	0.6	0.08	180/130	½	30	1:2:3:4:5:6:				
VAV-332	330	330	330	*	*	*	DESV-5	1.0	0.22	5	12x8	12½"	2-AHU-3	*	55/85	10.6	0.7	0.09	180/130	½	30	1:2:3:4:5:				
NOTES																										
1. MAXIMUM AIR PRESSURE DROP FOR TERMINAL IS SUM OF DESIGN DROP AND COIL DROP AT MAXIMUM C.F.M.																										
2. N.C. LEVEL BASED ON 10dB ROOM ABSORPTION, RE RAISED TO THE -12 WATTS.																										
3. PRIMARY AIR VALVE C.F.M. SHALL NOT EXCEED MANUFACTURER'S "NOMINAL C.F.M.".																										
4. HEATING COIL LVG TEMPERATURE IS AT HEATING C.F.M.																										
5. MINIMUM ALLOWED HEATING WATER FLOW IS 0.5 G.P.M.																										
6. PROVIDE WITH 3-WAY HEATING WATER CONTROL VALVE.																										

AIR DEVICE SCHEDULE																														
MARK	SIZE		TYPE		MNFR	MODEL NO.	MATERIAL		FINISH	ACCESSORIES			MOUNTING	MTG HT.		THROW				MAX. NC	MAX. LOSS IN. W.C.	NOTES								
	FACE	NECK	GRILLE	LINEAR SLOT	FAN/HEPA		TITUS	CLEAN ROOMS INTERN.	STEEL (STL)	ALUMINUM (AL)	ALL STAINLESS STEEL	OFF WHITE	PRIMER	CLR BY ARCH	OPP BLADE DAMPER	PLENUM	FIRE DAMPER	EQUALIZING GRID	LAY-IN				SURFACE FLUSH	FLOOR TO BOTTOM	CEILING	4 - WAY	3 - WAY	2 - WAY	1 - WAY	2 - WAY CORNER
A	48" L	10"ø		*	*		EOS-ST	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	20	0.07	2:					
B	14x12	12x10		*	*		350 FL	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	15	0.06	1:2:					
C	24" L	6"ø	*	*	*		EOS-ST	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	24	0.11	2:					
D	22x12	20x10		*	*		350 FL	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	25	0.09	1:2:					
E	24x24	6"ø	*	*	*		TMS	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	-	0.03	2:					
F	16x12	14x10		*	*		350 FL	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	22	0.09	1:2:					
G	12x12	6"ø	*	*	*		TMS	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	10	0.03	2:					
H	24x24	10"ø	*	*	*		TMS	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	17	0.05	2:					
J	12x10	10x8		*	*		350 FL	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	13	0.06	1:2:					
K	12x8	10x6	*	*	*		350 FL	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	18	0.08	1:2:					
L	14x12	12x10		*	*		350 FL	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	15	0.06	1:2:					
M	24x24	22x22	*	*	*		50F	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	10	0.02	1:2:					
N	12x6	10x4	*	*	*		350 FL	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	10	0.05	1:2:					
P	12x12	10x10	*	*	*		50F	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	10	0.01	1:2:					
Q	8x6	6x4	*	*	*		350 FL	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	10	0.05	1:2:					
NOTES: 1. PAINT FLAT BLACK INTERIOR DUCT SURFACES VISIBLE FROM OUTSIDE THE GRILLE. 2. PROVIDE DUCT MOUNTED BALANCING DAMPER ON ALL GRILLES AND DIFFUSERS IN ADDITION TO DAMPER MOUNTED ON GRILLE/DIFFUSER. IN CASES WHERE ONLY ONE OUTLET IS CONNECTED TO VAV TERMINAL DAMPER IS NOT REQUIRED.																														

AIR HANDLING UNIT SCHEDULE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
MARK	TYPE					MNFR	MODEL SERIES	SUPPLY FAN					MOTOR		RETURN/RELIEF FAN					MOTOR		COOLING COIL					HEATING COIL					HUMIDIFIER					MAX. OPER. WEIGHT (LBS)	MAXIMUM SOUND POWER DATA RE 10 WATTS OCTAVE BAND CENTER FREQUENCY HZ SUPPLY AND RETURN								NOTES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
	SINGLE ZONE	MULTI ZONE	VAV	CUSTOM	MODULAR			INGENIA	I	MAX. C.F.M.	MIN. C.F.M.	MIN O.A. C.F.M.	TYPE	RPM	S.P.		H.P.	R.P.M.	MAX. C.F.M.	MIN. C.F.M.	TYPE	RPM	E.S.P. IN. W.G.	CLASS	H.P.	R.P.M.	TOTAL MBH CLG	MIN. FACE AREA SQ.FT.	E.A.T.		L.A.T.		G.P.M. AT 14" F DELTA T	FRICTION IN. W.G.	AIR W.P.D. FT.	PRE-HEAT		RE-HEAT	TOTAL MBH HTG	MIN. FACE AREA SF.	E.A.T. °F	L.A.T. °F	STEAM PRESSURE 15 PSIG STEAM	STEAM (LB/HR)	AIR FRICTION IN. W.G.		AIR FRICTION IN. W.G.	TYPE	HEAT SOURCE	HUMIDIFICATION LB/HR	ACCESSORIES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
															TOTAL	IN. W.G.													EXTERNAL IN. W.G.	CLASS	d.b. °F	w.b. °F																			d.b. °F	w.b. °F	ULTRASOUND	STEAM	GAS	ELECTRIC	HIGH LIMIT HUMIDISTAT	WATER SOFTENER	DISPERSION TUBES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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2-AHU-3			*			*	CUSTOM	33,500	14,500	10,000	AF	2,578	8.35	4.5	III	40	1,800	30,700	11,700	AF	2,425	2.0	II	15	1,800	1,397	68.84	82.3	67.1	54	53	210	0.76	11.85	*		358.6	60.7	37.1	60	15	310	0.09	*		*			250																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	</