

AIR TERMINAL BOX SCHEDULE																		
	SYMBOL																	
<b>VARIABLE VOLUME FAN CONTROL SYSTEM SCHEDULE</b>																		
FLOW MEASURING STATIONS:																		
Cassings of galvanized steel with sheet metal duct connecting flanges on entering and leaving sides and expanded aluminum honeycomb air strainers. Fan-B units shall have capability to accurately measure static pressure and total pressure sensor located above unit. Sensors arranged in a network of interconnecting tubes with sensors positioned to represent an equal measuring area. Static Totalizer; (SST) shall be capable of accurately measuring ( $\pm 2\%$ ) system static pressure and shall consist of a network of interconnected tubes each with series of multiple static pressure sensors positioned to represent an equal measuring area. All static pressure header shall be interconnected to produce an average static pressure measurement. Air Monitor Control, or.																		
PRESSURE MEASURING STATION:																		
Castings of galvanized steel with sheet metal duct connecting flanges on entering and leaving sides and expanded aluminum honeycomb air strainers. Fan-B units shall have capability to accurately measure static pressure and total pressure sensor located above unit. Sensors arranged in a network of interconnecting tubes with sensors positioned to represent an equal measuring area. Static Totalizer; (SST) shall be capable of accurately measuring ( $\pm 2\%$ ) system static pressure and shall consist of a network of interconnected tubes each with series of multiple static pressure sensors positioned to represent an equal measuring area. All static pressure header shall be interconnected to produce an average static pressure measurement. Air Monitor Control, or.																		
VARIABLE VOLUME - SINGLE DUCT TERMINAL UNIT:																		
Furnish and install single duct variable air volume control assembly of sizes and capacities shown on the drawings. Assembly shall be arranged for either hot or cold ducts, as indicated on the schematic below. Steel grilles and registers shall receive a zinc phosphate prime coat and a baked white enamel finish. Aluminum grilles and registers shall be finished in baked white enamel unless a natural anodized aluminum finish is called out below. The type of grille or register is shown by symbol number on the plans. Should a symbol number be missing, the appropriate device shall be furnished after referring to the Architectural Room Finish Schedule. The Architectural Room Finish Schedule shall take precedence over the symbol designation. Discrepancies shall be clearly noted on the submittals. Ceiling Subcontractor shall furnish additional T-bars or splices as required to support and finish around ceiling mounted diffusers and grilles. Equipment manufactured by Carnes, Aemco/Waterloo, Krieger, Barber Colman, Titus, and Tuttle & Bailey will be acceptable if equal in quality, appearance and noise levels to that specified.																		
GENERAL NOTES:																		
Grilles and registers shall be fabricated of steel or aluminum unless the material is specifically called for in the schematic below. Steel grilles and registers shall receive a zinc phosphate prime coat and a baked white enamel finish. Aluminum grilles and registers shall be finished in baked white enamel unless a natural anodized aluminum finish is called out below. The type of grille or register is shown by symbol number on the plans. Should a symbol number be missing, the appropriate device shall be furnished after referring to the Architectural Room Finish Schedule. The Architectural Room Finish Schedule shall take precedence over the symbol designation. Discrepancies shall be clearly noted on the submittals. Ceiling Subcontractor shall furnish additional T-bars or splices as required to support and finish around ceiling mounted diffusers and grilles. Equipment manufactured by Carnes, Aemco/Waterloo, Krieger, Barber Colman, Titus, and Tuttle & Bailey will be acceptable if equal in quality, appearance and noise levels to that specified.																		
CEILING DIFFUSER:																		
For lay-in T-bar ceiling with outside frame dimensions as scheduled below, baked white enamel finish, adjustable pattern.																		
CFM Range	Outside Fr. and Dimensions		Min. Neck Size		Min. Duct Size		Carnes		Titus									
90	11'-3 1/4" x 11'-3 1/4"		5"		6"		SAAT		TMS-A-3									
90	11'-3 1/4" x 11'-3 1/4"		6"		8"		SAAT		TMS-A-3									
140-245	23'-3 1/4" x 23'-3 1/4"		8"		10"		SAAT		TMS-A-3									
245-350	23'-3 1/4" x 23'-3 1/4"		10"		12"		SAAT		TMS-A-3									
351-500	23'-3 1/4" x 23'-3 1/4"		12"		14"		SAAT		TMS-A-3									
611-800	23'-3 1/4" x 23'-3 1/4"		14"		16"		SAAT		TMS-A-3									
NC ratings are based on units installed with attenuation section assuming a room absorption of 8-15 db. Each single duct terminal unit shall be factory calibrated to deliver the specified quantity of air shown on the drawings at 5000 ft. elevation with a minimum upstream static pressure as scheduled below. All terminals shall be end outlet. Terminals shall be shipped with appropriate identification including model, size, cfm, connected main air (20 psi) and thermal branch angled to each valve assembly. The control assembly shall contain an arrangement of field reed switches and adjustable velocity controllers. The control assembly shall be mounted externally on box as indicated on the drawings. Control Subcontractor shall furnish and install two-pipe direct acting room trim, Tuttle & Bailey, or approved equal.																		
LEVEL 1 FAN:																		
Symbol	Maximum CFM		Min. Neck Dia.		Box Inlet Size		Unit SPC.		Airborne									
VC/VH-1	180		4"		4"		0.10		21									
VC/VH-2	200		5"		5"		0.10		25									
VC/VH-3	400		6"		6"		0.10		25									
VC/VH-4	550		7"		7"		0.09		34									
VC/VH-5	700		8"		8"		0.09		26									
LEVEL 2 FAN:																		
Symbol	Maximum CFM		Min. Neck Dia.		Box Inlet Size		Unit SPC.		Airborne									
VC/VH-6	850		10"		9"		0.10		37									
VC/VH-7	1100		11"		10"		0.10		39									
VC/VH-8	1400		12"		12"		0.10		43									
VC/VH-9	1870		14"		14"		0.10		44									
VC/VH-10	2500		16"		16"		0.13		48									
LEVEL 3 FAN:																		
Symbol	Maximum CFM		Min. Neck Dia.		Box Inlet Size		Unit SPC.		Airborne									
VC/VH-11	350		12"		7"		0.10		25									
VC/VH-12	420		13"		8"		0.10		25									
VC/VH-13	500		14"		9"		0.10		25									
VC/VH-14	600		15"		10"		0.10		25									
LEVEL 4 FAN:																		
Symbol	Maximum CFM		Min. Neck Dia.		Box Inlet Size		Unit SPC.		Airborne									
VC/VH-15	700		16"		11"		0.10		25									
LEVEL 5 FAN:																		
Symbol	Maximum CFM		Min. Neck Dia.		Box Inlet Size		Unit SPC.		Airborne									
VC/VH-16	800		17"		12"		0.10		25									
VC/VH-17	900		18"		13"		0.10		25									
VC/VH-18	1000		19"		14"		0.10		25									
VC/VH-19	1100		20"		15"		0.10		25									
VC/VH-20	1200		21"		16"		0.10		25									
LEVEL 6 FAN:																		
Symbol</																		