

VAV ZONE DAMPERS

SYMBOL	SIZE	CFM	P.D.	MAX. VEL.	REMARKS
A	6.5"	692-235	<0.02	1250	
B	6.5"	236-480	<0.02	1250	
C	10.5"	461-665	<0.02	1250	
D	1.5"	666-960	<0.02	1250	
E	1.5"	961-1310	<0.02	1250	
F	1.5"	1311-1720	<0.02	1250	

BYPASS DAMPERS

SYMBOL	SIZE	CFM	P.D.	MAX. VEL.	REMARKS
G	6.5"	692-235	<0.02	2000	
H	6.5"	236-480	<0.02	2000	
I	10.5"	461-665	<0.02	2000	
J	1.5"	666-960	<0.02	2000	
K	1.5"	961-1310	<0.02	2000	
L	1.5"	1311-1720	<0.02	2000	
M	1.5"	2101-2750	<0.02	2000	
N	1.5"	2751-3100	<0.02	2000	

UNIT HEATER SCHEDULE

SYMBOL	LOCATION	WGR. NO.	BTU CAP.	CFM	LAT	RM	CFM	H.P. MOTOR	VO. 1/2"	REMARKS
UH-1	REARWALL	H5-601	43.6	4.4	11.2	1070	800	1/20	120/60	

UNITS BASED ON STEERING HORIZONTAL UNIT FEATURES

DIFFUSERS-GRILLES-REGISTERS

SYMBOL	WGR. #/MODEL#	SIZE	CFM	MC	PD	THROU/ CONN.	REMARKS
A	ANGUSTIA #11	6" DIA.	100	<0.02	2-2	6" DIA.	ED GRID
B	ANGUSTIA #11	6" DIA.	200	<0.02	2-2	6" DIA.	ED GRID
C	ANGUSTIA #11	12" DIA.	400	<0.02	2-2	12" DIA.	ED GRID
D	ANGUSTIA #11	12" DIA.	400	<0.02	2-2	12" DIA.	ED GRID
E	ANGUSTIA #11	12" DIA.	400	<0.02	2-2	12" DIA.	ED GRID
F	ANGUSTIA #11	12" DIA.	400	<0.02	2-2	12" DIA.	ED GRID
G	ANGUSTIA #11	12" DIA.	400	<0.02	2-2	12" DIA.	ED GRID
H	ANGUSTIA #11	12" DIA.	400	<0.02	2-2	12" DIA.	ED GRID
I	ANGUSTIA #11	12" DIA.	400	<0.02	2-2	12" DIA.	ED GRID
J	ANGUSTIA #11	12" DIA.	400	<0.02	2-2	12" DIA.	ED GRID
K	ANGUSTIA #11	12" DIA.	400	<0.02	2-2	12" DIA.	ED GRID
L	ANGUSTIA #11	12" DIA.	400	<0.02	2-2	12" DIA.	ED GRID
M	ANGUSTIA #11	12" DIA.	400	<0.02	2-2	12" DIA.	ED GRID
N	ANGUSTIA #11	12" DIA.	400	<0.02	2-2	12" DIA.	ED GRID
O	ANGUSTIA #11	12" DIA.	400	<0.02	2-2	12" DIA.	ED GRID
P	ANGUSTIA #11	12" DIA.	400	<0.02	2-2	12" DIA.	ED GRID
Q	ANGUSTIA #11	12" DIA.	400	<0.02	2-2	12" DIA.	ED GRID
R	ANGUSTIA #11	12" DIA.	400	<0.02	2-2	12" DIA.	ED GRID
S	ANGUSTIA #11	12" DIA.	400	<0.02	2-2	12" DIA.	ED GRID
T	ANGUSTIA #11	12" DIA.	400	<0.02	2-2	12" DIA.	ED GRID
U	ANGUSTIA #11	12" DIA.	400	<0.02	2-2	12" DIA.	ED GRID
V	ANGUSTIA #11	12" DIA.	400	<0.02	2-2	12" DIA.	ED GRID
X	ANGUSTIA #11	12" DIA.	400	<0.02	2-2	12" DIA.	ED GRID

PUMP & CIRCULATOR SCHEDULE

SYMBOL	WGR. NO.	CFM	FT. HEAD	H.P.	REMARKS
H-3	H202 #1241	75	40	2	
T-4	H202 #1241	75	40	2	

PUMPS SERVICE DESIGN P-3 & 4, 1 HP

HOT WATER REHEAT COIL SCHEDULE

UNIT NO.	AREA SERVED	AIR DATA	WATER DATA	SIZE	TYPE/UNIT MAKEUP							
		ENT. LVS	EXIT. LVS	WXL	# MODEL NO.							
H-1	AQU RECOVER	2275	50	4	26	0.6	190	60	5	180C	2	EXISTING TO REMAIN
H-2	AQU RECOVER	1000	50	4	41	4.1	190	60	5	180C	2	EXISTING TO REMAIN
H-3	AQU RECOVER	1000	50	4	41	4.1	190	60	5	180C	2	EXISTING TO REMAIN
H-4	AQU RECOVER	1000	50	4	41	4.1	190	60	5	180C	2	EXISTING TO REMAIN
H-5	AQU RECOVER	1000	50	4	41	4.1	190	60	5	180C	2	EXISTING TO REMAIN
H-6	AQU RECOVER	1000	50	4	41	4.1	190	60	5	180C	2	EXISTING TO REMAIN
H-7	AQU RECOVER	1000	50	4	41	4.1	190	60	5	180C	2	EXISTING TO REMAIN
H-8	AQU RECOVER	1000	50	4	41	4.1	190	60	5	180C	2	EXISTING TO REMAIN
H-9	AQU RECOVER	1000	50	4	41	4.1	190	60	5	180C	2	EXISTING TO REMAIN
H-10	AQU RECOVER	1000	50	4	41	4.1	190	60	5	180C	2	EXISTING TO REMAIN
H-11	AQU RECOVER	1000	50	4	41	4.1	190	60	5	180C	2	EXISTING TO REMAIN
H-12	AQU RECOVER	1000	50	4	41	4.1	190	60	5	180C	2	EXISTING TO REMAIN
H-13	AQU RECOVER	1000	50	4	41	4.1	190	60	5	180C	2	EXISTING TO REMAIN
H-14	AQU RECOVER	1000	50	4	41	4.1	190	60	5	180C	2	EXISTING TO REMAIN
H-15	AQU RECOVER	1000	50	4	41	4.1	190	60	5	180C	2	EXISTING TO REMAIN
H-16	AQU RECOVER	1000	50	4	41	4.1	190	60	5	180C	2	EXISTING TO REMAIN
H-17	AQU RECOVER	1000	50	4	41	4.1	190	60	5	180C	2	EXISTING TO REMAIN
H-18	AQU RECOVER	1000	50	4	41	4.1	190	60	5	180C	2	EXISTING TO REMAIN
H-19	AQU RECOVER	1000	50	4	41	4.1	190	60	5	180C	2	EXISTING TO REMAIN
H-20	AQU RECOVER	1000	50	4	41	4.1	190	60	5	180C	2	EXISTING TO REMAIN

HUMIDIFIERS

SYMBOL	DUCT SIZE	CFM	LES COND DISTANCE	ASBESTION	REMARKS
H-1	46X14"	3560	450	56.3	1250 THIN 1/2"
H-2	24X10"	1040	15.4	19.4	1250 THIN 1/2"
H-3	24X10"	830	13.3	17.3	1250 THIN 1/2"
H-4	14X14"	1800	17.1	20.9	1250 THIN 1/2"
H-5	14X14"	1800	17.1	20.9	1250 THIN 1/2"

UNITS BASED ON 100% STEAM, 100% STEAM, 2" 90° STEAM, WITH MODULATING CONTROL VALVE, 4" THERMOSTATIC SWITCHES

HEAT PUMP SCHEDULE

SYMBOL	E.S. 1"	COOLING		HEATING	
		TOT. MBH	90% MBH	CFM	WPD FT.
H-1					
H-2					
H-3					
H-4					
H-5					
H-6					
H-7					
H-8					
H-9					
H-10					
H-11					
H-12					
H-13					
H-14					
H-15					
H-16					
H-17					
H-18					
H-19					
H-20					

UNITS BASED ON MAGAZIN ① DUCT FAT ② 35 DEG. FAT ③ 30 DEG. FAT ④ 30 DEG. FAT ⑤ 30 DEG. FAT ⑥ 30 DEG. FAT ⑦ 30 DEG. FAT ⑧ 30 DEG. FAT ⑨ 30 DEG. FAT ⑩ 30 DEG. FAT ⑪ 30 DEG. FAT ⑫ 30 DEG. FAT ⑬ 30 DEG. FAT ⑭ 30 DEG. FAT ⑮ 30 DEG. FAT ⑯ 30 DEG. FAT ⑰ 30 DEG. FAT ⑱ 30 DEG. FAT ⑲ 30 DEG. FAT ⑳ 30 DEG. FAT ㉑ 30 DEG. FAT ㉒ 30 DEG. FAT ㉓ 30 DEG. FAT ㉔ 30 DEG. FAT ㉕ 30 DEG. FAT ㉖ 30 DEG. FAT ㉗ 30 DEG. FAT ㉘ 30 DEG. FAT ㉙ 30 DEG. FAT ㉚ 30 DEG. FAT ㉛ 30 DEG. FAT ㉜ 30 DEG. FAT ㉝ 30 DEG. FAT ㉞ 30 DEG. FAT ㉟ 30 DEG. FAT ㊱ 30 DEG. FAT ㊲ 30 DEG. FAT ㊳ 30 DEG. FAT ㊴ 30 DEG. FAT ㊵ 30 DEG. FAT ㊶ 30 DEG. FAT ㊷ 30 DEG. FAT ㊸ 30 DEG. FAT ㊹ 30 DEG. FAT ㊺ 30 DEG. FAT ㊻ 30 DEG. FAT ㊼ 30 DEG. FAT ㊽ 30 DEG. FAT ㊾ 30 DEG. FAT ㊿ 30 DEG. FAT

EXHAUST FAN SCHEDULE

SYMBOL	LOCATION	WGR. NO.	CFM	S.P.	HPW	RFM	TIP SPEED	REMARKS
EF-1	CEILING	205	150	0.25"	77	1050	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲ ⑳ ㉑ ㉒ ㉓ ㉔ ㉕ ㉖ ㉗ ㉘ ㉙ ㉚ ㉛ ㉜ ㉝ ㉞ ㉟ ㊱ ㊲ ㊳ ㊴ ㊵ ㊶ ㊷ ㊸ ㊹ ㊺ ㊻ ㊼ ㊽ ㊾ ㊿	
EF-2	CEILING	205	90	0.25"	77	1050	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲ ⑳ ㉑ ㉒ ㉓ ㉔ ㉕ ㉖ ㉗ ㉘ ㉙ ㉚ ㉛ ㉜ ㉝ ㉞ ㉟ ㊱ ㊲ ㊳ ㊴ ㊵ ㊶ ㊷ ㊸ ㊹ ㊺ ㊻ ㊼ ㊽ ㊾ ㊿	
EF-3	CEILING	205	90	0.25"	77	1050	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲ ⑳ ㉑ ㉒ ㉓ ㉔ ㉕ ㉖ ㉗ ㉘ ㉙ ㉚ ㉛ ㉜ ㉝ ㉞ ㉟ ㊱ ㊲ ㊳ ㊴ ㊵ ㊶ ㊷ ㊸ ㊹ ㊺ ㊻ ㊼ ㊽ ㊾ ㊿	
EF-4	CEILING	205	90	0.25"	77	1050	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲ ⑳ ㉑ ㉒ ㉓ ㉔ ㉕ ㉖ ㉗ ㉘ ㉙ ㉚ ㉛ ㉜ ㉝ ㉞ ㉟ ㊱ ㊲ ㊳ ㊴ ㊵ ㊶ ㊷ ㊸ ㊹ ㊺ ㊻ ㊼ ㊽ ㊾ ㊿	
EF-5	CEILING	205	90	0.25"	77	1050	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲ ⑳ ㉑ ㉒ ㉓ ㉔ ㉕ ㉖ ㉗ ㉘ ㉙ ㉚ ㉛ ㉜ ㉝ ㉞ ㉟ ㊱ ㊲ ㊳ ㊴ ㊵ ㊶ ㊷ ㊸ ㊹ ㊺ ㊻ ㊼ ㊽ ㊾ ㊿	
EF-6	CEILING	205	90	0.25"	77	1050	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲ ⑳ ㉑ ㉒ ㉓ ㉔ ㉕ ㉖ ㉗ ㉘ ㉙ ㉚ ㉛ ㉜ ㉝ ㉞ ㉟ ㊱ ㊲ ㊳ ㊴ ㊵ ㊶ ㊷ ㊸ ㊹ ㊺ ㊻ ㊼ ㊽ ㊾ ㊿	
EF-7	CEILING	205	90	0.25"	77	1050	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲ ⑳ ㉑ ㉒ ㉓ ㉔ ㉕ ㉖ ㉗ ㉘ ㉙ ㉚ ㉛ ㉜ ㉝ ㉞ ㉟ ㊱ ㊲ ㊳ ㊴ ㊵ ㊶ ㊷ ㊸ ㊹ ㊺ ㊻ ㊼ ㊽ ㊾ ㊿	
EF-8	CEILING	205	90	0.25"	77	1050	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲ ⑳ ㉑ ㉒ ㉓ ㉔ ㉕ ㉖ ㉗ ㉘ ㉙ ㉚ ㉛ ㉜ ㉝ ㉞ ㉟ ㊱ ㊲ ㊳ ㊴ ㊵ ㊶ ㊷ ㊸ ㊹ ㊺ ㊻ ㊼ ㊽ ㊾ ㊿	
EF-9	CEILING	205	90	0.25"	77	1050	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲ ⑳ ㉑ ㉒ ㉓ ㉔ ㉕ ㉖ ㉗ ㉘ ㉙ ㉚ ㉛ ㉜ ㉝ ㉞ ㉟ ㊱ ㊲ ㊳ ㊴ ㊵ ㊶ ㊷ ㊸ ㊹ ㊺ ㊻ ㊼ ㊽ ㊾ ㊿	
EF-10	CEILING	205	90	0.25"	77	1050	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲ ⑳ ㉑ ㉒ ㉓ ㉔ ㉕ ㉖ ㉗ ㉘ ㉙ ㉚ ㉛ ㉜ ㉝ ㉞ ㉟ ㊱ ㊲ ㊳ ㊴ ㊵ ㊶ ㊷ ㊸ ㊹ ㊺ ㊻ ㊼ ㊽ ㊾ ㊿	
EF-11	CEILING	205	90	0.25"	77	1050	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲ ⑳ ㉑ ㉒ ㉓ ㉔ ㉕ ㉖ ㉗ ㉘ ㉙ ㉚ ㉛ ㉜ ㉝ ㉞ ㉟ ㊱ ㊲ ㊳ ㊴ ㊵ ㊶ ㊷ ㊸ ㊹ ㊺ ㊻ ㊼ ㊽ ㊾ ㊿	
EF-12	CEILING	205	90	0.25"	77	1050	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲ ⑳ ㉑ ㉒ ㉓ ㉔ ㉕ ㉖ ㉗ ㉘ ㉙ ㉚ ㉛ ㉜ ㉝ ㉞ ㉟ ㊱ ㊲ ㊳ ㊴ ㊵ ㊶ ㊷ ㊸ ㊹ ㊺ ㊻ ㊼ ㊽ ㊾ ㊿	
EF-13	CEILING	205	90	0.25"	77	1050	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲ ⑳ ㉑ ㉒ ㉓ ㉔ ㉕ ㉖ ㉗ ㉘ ㉙ ㉚ ㉛ ㉜ ㉝ ㉞ ㉟ ㊱ ㊲ ㊳ ㊴ ㊵ ㊶ ㊷ ㊸ ㊹ ㊺ ㊻ ㊼ ㊽ ㊾ ㊿	
EF-14	CEILING	205	90	0.25"	77	1050	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲ ⑳ ㉑ ㉒ ㉓ ㉔ ㉕ ㉖ ㉗ ㉘ ㉙ ㉚ ㉛ ㉜ ㉝ ㉞ ㉟ ㊱ ㊲ ㊳ ㊴ ㊵ ㊶ ㊷ ㊸ ㊹ ㊺ ㊻ ㊼ ㊽ ㊾ ㊿	
EF-15	CEILING	205	90	0.25"	77	1050	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲ ⑳ ㉑ ㉒ ㉓ ㉔ ㉕ ㉖ ㉗ ㉘ ㉙ ㉚ ㉛ ㉜ ㉝ ㉞ ㉟ ㊱ ㊲ ㊳ ㊴ ㊵ ㊶ ㊷ ㊸ ㊹ ㊺ ㊻ ㊼ ㊽ ㊾ ㊿	
EF-16	CEILING	205	90	0.25"	77	1050	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲ ⑳ ㉑ ㉒ ㉓ ㉔ ㉕ ㉖ ㉗ ㉘ ㉙ ㉚ ㉛ ㉜ ㉝ ㉞ ㉟ ㊱ ㊲ ㊳ ㊴ ㊵ ㊶ ㊷ ㊸ ㊹ ㊺ ㊻ ㊼ ㊽ ㊾ ㊿	
EF-17	CEILING	205	90	0.25"	77	1050	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲ ⑳ ㉑ ㉒ ㉓ ㉔ ㉕ ㉖ ㉗ ㉘ ㉙ ㉚ ㉛ ㉜ ㉝ ㉞ ㉟ ㊱ ㊲ ㊳ ㊴ ㊵ ㊶ ㊷ ㊸ ㊹ ㊺ ㊻ ㊼ ㊽ ㊾ ㊿	
EF-18	CEILING	205	90	0.25"	77	1050	① ② ③ ④ ⑤ ⑥ ⑦ ⑧ ⑨ ⑩ ⑪ ⑫ ⑬ ⑭ ⑮ ⑯ ⑰ ⑱ ⑲ ⑳ ㉑ ㉒ ㉓ ㉔ ㉕ ㉖ ㉗ ㉘ ㉙ ㉚ ㉛ ㉜	