

A

B

C

D

E

F

A

B

C

D

E

F

RADIOLOGY V.A.V. TERMINAL SCHEDULE																								
MARK	PRIMARY AIR			SHUTOFF	TYPE	M/NFR	MODEL NO.	PRESSURE		DUCT CONN.		AIR HANDLING SYSTEM	HOT WATER ELECTRIC	AIR TEMP. ENT./LVG.	CAP. MBH OR KW.	HEATING COIL					MAX. NOISE NC.	NOTES		
	MAX. C.F.M.	MIN. C.F.M.	HEATING C.F.M.					DESIGN INLET STATIC IN. W.G.	DESIGN DROP IN. W.G. MAX.	INLET	OUTLET					G.P.M.	PRESS. DROP FT. W.G.	WATER TEMP. ENT./LVG.	AIR FRICTION IN. W.G.	CONNECTIONS PIPE				
VAV-401	830	370	370			*	DESV-09	1.0	0.50	9"	14x12½	AHU-04	*	53/90	13.8	7.3	4.7	160/156	0.13	1¼"	17	1:2:3:		
VAV-402	380	120	120	*		*	DESV-06	1.0	0.40	6"	12x8	AHU-04	*	53/90	4.8	0.7	0.2	160/146	0.20	¾"	17	1:2:3:		
VAV-403	720	320	320	*		*	DESV-08	1.0	0.30	8"	12x10	AHU-04	*	53/90	13.6	0.7	0.3	160/121	0.40	¾"	20	1:2:3:		
VAV-404	600	290	290	*		*	DESV-07	1.0	0.35	7"	12x10	AHU-04	*	53/90	11.3	0.7	0.3	160/128	0.15	¾"	20	1:2:3:		
VAV-405	600	290	290	*		*	DESV-07	1.0	0.35	7"	12x10	AHU-04	*	53/90	11.3	0.7	0.3	160/128	0.15	¾"	20	1:2:3:		
VAV-406	1,350	600	600	*		*	DESV-12	1.0	0.48	12"	16x15	AHU-04	*	53/90	23.3	1.1	0.3	160/117	0.34	¾"	21	1:2:3:		
VAV-407	610	310	310	*		*	DESV-07	1.0	0.48	7"	12x10	AHU-04	*	53/90	12.0	0.7	0.2	160/125	0.28	¾"	21	1:2:3:		
VAV-408	550	250	250	*		*	DESV-07	1.0	0.37	7"	12x10	AHU-04	*	53/90	9.8	0.7	0.7	160/131	0.25	¾"	18	1:2:3:4:		
VAV-409	160	90	90	*		*	DESV-04	1.0	0.41	4"	12x8	AHU-04	*	53/90	3.6	0.7	0.5	160/150	0.10	¾"	20	1:2:3:		
VAV-410	480	480	480	*		*	DESV-06	1.0	0.31	6"	12x8	AHU-04	*	53/86	19.2	2.2	0.6	160/142	0.20	¾"	16	1:2:3:		
VAV-411	300	265	265	*		*	DESV-05	1.0	0.32	5"	12x8	AHU-04	*	53/86	9.4	0.7	0.2	160/133	0.18	¾"	16	1:2:3:		
VAV-412	210	70	N/A	*		*	DESV-04	1.0	0.16	4"	12x8	AHU-04	*	-	-	-	-	-	-	-	-	-		
VAV-413	425	370	370	*		*	DESV-06	1.0	0.28	6"	12x8	AHU-04	*	53/86	14.8	1.2	0.2	160/135	0.25	¾"	18	1:2:3:		
VAV-414	360	250	250	*		*	DESV-06	1.0	0.32	6"	12x8	AHU-04	*	53/90	10.8	0.9	0.4	160/136	0.18	¾"	16	1:2:3:		
VAV-415	540	170	170	*		*	DESV-07	1.0	0.38	7"	12x10	AHU-04	*	53/90	6.8	0.9	0.7	160/145	0.12	¾"	17	1:2:3:		
VAV-416	725	150	N/A	*		*	DESV-08	1.0	0.40	8"	12x10	AHU-04	*	-	-	-	-	-	-	-	-	-		
VAV-417	725	150	N/A	*		*	DESV-08	1.0	0.40	8"	12x10	AHU-04	*	-	-	-	-	-	-	-	-	-		
VAV-418	615	555	555	*		*	DESV-07	1.0	0.38	7"	12x10	AHU-04	*	53/90	22.4	1.7	0.6	160/134	0.35	¾"	20	1:2:3:4:		
VAV-419	960	420	420	*		*	DESV-09	1.0	0.38	9"	14x12½	AHU-04	*	53/90	16.8	1.1	0.2	160/129	0.35	¾"	19	1:2:3:4:		
VAV-420	340	140	140	*		*	DESV-06	1.0	0.40	6"	12x8	AHU-04	*	53/90	5.6	0.8	0.6	160/146	0.10	¾"	17	1:2:3:		
VAV-421	180	95	95	*		*	DESV-04	1.0	0.41	4"	12x8	AHU-04	*	53/88	3.4	0.7	0.5	160/150	0.08	¾"	23	1:2:3:		
VAV-422	780	620	620	*		*	DESV-08	1.0	0.43	8"	12x10	AHU-04	*	53/90	24.8	2.2	0.9	160/138	0.40	¾"	21	1:2:3:		
VAV-423	295	100	100	*		*	DESV-05	1.0	0.38	5"	12x8	AHU-05	*	53/90	4.0	0.5	0.3	160/144	0.08	¾"	22	1:2:3:		
VAV-424	1,980	920	920	*		*	DESV-14	1.0	0.37	14"	20x17½	AHU-05	*	53/90	36.7	1.5	0.1	160/109	0.40	¾"	17	1:2:3:		
VAV-425	2,640	115	1,000	*		*	DESV-16	1.0	0.28	16"	24x18	AHU-05	*	53/85	34.6	7.8	3.1	160/150	0.22	1¼"	18	1:2:3:4:5:		
VAV-426	2,640	115	1,000	*		*	DESV-16	1.0	0.28	16"	24x18	AHU-05	*	53/85	34.6	7.8	3.1	160/150	0.22	1¼"	18	1:2:3:5:		
VAV-427	580	360	360	*		*	DESV-07	1.0	0.37	7"	12x10	AHU-05	*	53/88	13.6	0.7	0.1	160/121	0.26	¾"	18	1:2:3:		
VAV-428	1,380	1,015	1,015	*		*	DESV-12	1.0	0.36	12"	16x15	AHU-05	*	53/86	36.2	1.7	0.3	160/118	0.35	¾"	20	1:2:3:		
VAV-429	730	535	535	*		*	DESV-08	1.0	0.30	8"	12x10	AHU-05	*	53/86	19.1	0.7	5.0	160/105	0.2	¾"	20	1:2:3:		
VAV-430	2,220	1,850	1,850	*		*	DESV-14	1.0	0.46	14"	20x17½	AHU-05	*	53/86	65.9	3.6	0.8	160/124	0.2	1"	17	1:2:3:		
VAV-431	2,040	120	1,000	*		*	DESV-14	1.0	0.39	14"	20x17½	AHU-05	*	53/86	35.6	1.4	0.1	160/107	0.2	¾"	17	1:2:3:4:		
26,945								11,505		TOTALS														
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.". PROVIDE WITH 3-WAY HEATING WATER CONTROL VALVE. 4. PROVIDE WITH ONE SENSOR SERVING BOTH TERMINALS.																								

SPS SUPPLY V.A.V. TERMINAL SCHEDULE																							
MARK	PRIMARY AIR			TYPE	M/NFR	MODEL NO.	PRESSURE		DUCT CONN.		AIR HANDLING SYSTEM	HEATING COIL										MAX. NOISE NC.	NOTES
	MAX. C.F.M.	MIN. C.F.M.	HEATING C.F.M.				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.	AIR FRICTION IN. W.G.	CONNECTIONS PIPE				
VAV-301S	350	175	350			* DESV-05	1.0	0.42	5"	12x8	AHU-03	*	53/85	12.3	0.7	0.1	160/125	0.18	¾"	20	1:2:3:4:5:		
VAV-302S	340	170	340	*		* DESV-05	1.0	0.42	5"	12x8	AHU-03	*	53/85	12.3	0.7	0.1	160/125	0.18	¾"	20	1:2:3:4:5:		
VAV-303S	350	175	350	*		* DESV-05	1.0	0.42	5"	12x8	AHU-03	*	53/85	12.3	0.7	0.1	160/125	0.18	¾"	20	1:2:3:4:5:6:		
VAV-304S	900	455	910	*		* DESV-09	1.0	0.32	9"	14x12½	AHU-03	*	53/85	31.4	1.9	0.3	160/125	0.30	¾"	20	1:2:3:4:5:		
VAV-305S	280	140	280	*		* DESV-05	1.0	0.30	5"	12x8	AHU-03	*	53/85	11.3	0.7	0.1	160/128	0.12	¾"	20	1:2:3:4:5:		
VAV-306S	860	430	860	*		* DESV-08	1.0	0.50	8"	12x10	AHU-03	*	53/85	29.7	2.7	1.3	160/138	0.52	1"	20	1:2:3:4:5:6:		
VAV-307S	140	60	140	*		* DESV-04	1.0	0.40	4"	12x8	AHU-03	*	53/85	4.8	0.5	0.1	160/135	0.02	¾"	20	1:2:3:4:5:		
VAV-308S	750	750	-	*		* DESV-08	1.0	0.60	8"	12x10	AHU-03	*	-	-	-	-	-	-	-	20	2:3:4:		
VAV-309S	210	120	-	*		* DESV-04	1.0	0.50	4"	12x8	AHU-03	*	-	-	-	-	-	-	-	20	2:3:4:		
VAV-310S	100	100	100	*		* DESV-04	1.0	0.50	4"	12x8	AHU-03	*	53/85	4.2	0.5	0.2	160/136	0.03	¾"	20	1:2:3:4:5:		
VAV-311S	200	200	200	*		* DESV-04	1.0	0.50	4"	12x8	AHU-03	*	53/85	6.9	1.6	1.3	160/151	0.03	¾"	20	1:2:3:4:5:		
VAV-312S	200	200	200	*		* DESV-04	1.0	0.50	4"	12x8	AHU-03	*	53/85	6.9	1.6	1.3	160/151	0.03	¾"	20	1:2:3:4:5:		
4,680 2,975 TOTALS																							
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.". PROVIDE WITH 3-WAY HEATING WATER CONTROL VALVE. 4. THE CONTROL SYSTEM SHALL SET THIS TERMINAL TO FULL FLOW DURING OCCUPIED HOURS AND TO MINIMUM FLOW DURING UN-OCCUPIED HOURS. THE REHEAT VALVE SHALL MODULATE TO MAINTAIN SPACE TEMPERATURE REGARDLESS OF SUPPLY AIR VALVE POSITION. 5. HEATING CAPACITY IS BASED ON OCCUPIED (MAX) CFM AND NOT MINIMUM CFM. 6. PROVIDE WITH 3-WAY HEATING WATER CONTROL VALVE.																							

SPS EXHAUST V.A.V. TERMINAL SCHEDULE																							
MARK	PRIMARY AIR			TYPE	M/NFR	MODEL NO.	PRESSURE		DUCT CONN.		AIR HANDLING SYSTEM	HOT WATER ELECTRIC	AIR TEMP. ENT./LVG.	CAP. MBH OR KW.	G.P.M	HEATING COIL			WATER TEMP. ENT./LVG.	AIR FRICTION IN. W.G.	CONNECTIONS PIPE	MAX. NOISE NC.	NOTES
	MAX. C.F.M.	MIN. C.F.M.	HEATING C.F.M.				DESIGN INLET STATIC IN. W.G.	DESIGN DROP IN. W.G. MAX.	INLET	OUTLET						PRESS. DROP FT. W.G.							
				REHAUST	DUAL DUCT	SERIES FAN	PARALLEL FAN	JOHNSON CONTROL	TITUS														
VAV-301E	350	175	N/A	*				*	DESV-05	1.0	0.4	5"ø	12x8	EF-6/7		-	-	-	-	-	-	20	1:2:3:
VAV-302E	340	170	N/A	*				*	DESV-05	1.0	0.4	5"ø	12x8	EF-6/7		-	-	-	-	-	-	20	1:2:3:
VAV-303E	350	175	N/A	*				*	DESV-05	1.0	0.4	5"ø	12x8	EF-6/7		-	-	-	-	-	-	20	1:2:3:
VAV-304E	910	455	N/A	*				*	DESV-09	1.0	0.3	9"ø	14x12½	EF-6/7		-	-	-	-	-	-	20	1:2:3:
VAV-305E	280	140	N/A	*				*	DESV-05	1.0	0.28	5"ø	12x8	EF-6/7		-	-	-	-	-	-	20	1:2:3:
VAV-306E	1,060	630	N/A	*				*	DESV-08	1.0	0.4	8"ø	12x10	EF-6/7		-	-	-	-	-	-	20	1:2:3:
VAV-307E	140	60	N/A	*				*	DESV-04	1.0	0.35	4"ø	12x8	EF-6/7		-	-	-	-	-	-	20	1:2:3:
			3,430			1,805			TOTALS														
NOTES:																							
1. PRIMARY AIR VALVE C.F.M. SHALL NOT EXCEED MANUFACTURER'S "NOMINAL C.F.M."																							
2. VAV AND ALL OTHER DEVICES SHALL BE HUNG OR INSTALLED AT THE ELEVATION CLOSE TO THE CEILING LEVEL FOR EASY ACCESS. (MAX 3'-0" ABOVE CEILING GRID)																							
3. EXHAUST TERMINAL SHALL OPERATE AT MAXIMUM CFM DURING OCCUPIED PERIODS AND AT MINIMUM CFM DURING UNOCCUPIED PERIODS. THE CHANGE OVER SHALL BE LINKED TO THE CORRESPONDING SUPPLY TERMINALS.																							