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6/9/2017 8:13:27 AM

6/8/2017 8:13:27 AM

WTA 14127.01

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SUPPLY AIR VALVE WITH HOT WATER (SAV) SCHEDULE																	
TAG ID	TAG NO	MANUFACTURER & MODEL NO.	INLET SIZE (INCHES)	COOLING CFM (SEE NOTE #10)		MAX NC	AIRFLOW CFM	HEATING COIL		WATER FLOW (GPM)	WATER TEMP. (°F)		MAX WATER PD (FT)	COIL CAPACITY (MBH)	MAX AIR PD (IN W.G.)	NOTES	
				MIN	MAX			AIR TEMP. (°F)	AIR TEMP. (°F)		EWT	LWT					
SAV	1C1	PHOENIX MAV	24x12	470	1500	30	1500	50	78.5	4.5	140	100	2	55.7	0.35	1 to 8	
SAV	1C2	PHOENIX MAV	12"	250	800	25	800	50	87.8	2.0	140	100	2	25.8	0.35	1 to 8	
SAV	1C3	PHOENIX MAV	8"	150	380	25	380	50	86.9	1.5	140	100	2	15.2	0.35	1 to 8	
WTA LEVEL 01: 3																	
SAV	201	PHOENIX MAV	14"	420	1400	25	1400	55	79.8	2.9	140	100	2	38.2	0.35	1 to 7	
SAV	202	PHOENIX MAV	8"	240	370	25	370	55	79.5	0.8	140	100	2	10.0	0.35	1 to 7	
SAV	203	PHOENIX MAV	8"	160	160	25	160	50	72.0	0.5	140	100	2	3.0	0.35	1 to 7	
SAV	204	PHOENIX MAV	14"	420	1400	25	1400	55	78.8	2.8	140	100	2	36.6	0.35	1 to 7	
SAV	205	PHOENIX MAV	8"	95	300	25	300	55	79.0	0.6	140	100	2	7.9	0.35	1 to 7	
SAV	206	PHOENIX MAV	12"	605	1500	25	1500	50	78.5	2.9	140	100	2	38.7	0.35	1 to 7	
SAV	207	PHOENIX MAV	8"	120	300	25	300	55	77.9	0.6	140	100	2	7.6	0.35	1 to 7	
SAV	208	PHOENIX MAV	12"	600	1200	25	1200	50	77.5	2.2	140	100	2	29.8	0.35	1 to 7	
SAV	209	PHOENIX MAV	8"	65	160	25	160	55	72.0	0.5	140	100	2	3.0	0.35	1 to 7	
SAV	210	PHOENIX MAV	8"	120	400	25	400	55	82.2	0.9	140	100	2	12.0	0.35	1 to 7	
SAV	211	PHOENIX MAV	8"	100	300	25	300	50	84.2	0.7	140	100	2	9.7	0.35	1 to 7	
SAV	212	PHOENIX MAV	24x12	600	2200	30	2200	50	86.9	6.1	140	100	2	76.1	0.35	1 to 7, 9	
WTA LEVEL 02: 12																	
SAV	301	PHOENIX MAV	24x12	600	1650	30	1650	50	79.3	3.3	140	100	2	44.1	0.35	1 to 7	
SAV	302	PHOENIX MAV	10"	520	520	25	520	55	78.7	1.0	140	100	2	13.6	0.35	1 to 7	
SAV	303	PHOENIX MAV	24x12	495	1650	30	1650	50	78.2	3.2	140	100	2	42.2	0.35	1 to 7	
SAV	304	PHOENIX MAV	14"	1200	1200	25	1200	55	77.8	2.3	140	100	2	30.1	0.35	1 to 7	
SAV	305	PHOENIX MAV	8"	270	360	25	360	55	78.7	0.7	140	100	2	9.4	0.35	1 to 7	
SAV	306	PHOENIX MAV	14"	1200	1200	25	1200	55	79.2	2.4	140	100	2	31.9	0.35	1 to 7	
SAV	307	PHOENIX MAV	8"	360	360	25	360	50	78.0	0.7	140	100	2	9.1	0.35	1 to 7	
SAV	308	PHOENIX MAV	8"	270	360	25	360	50	78.6	0.7	140	100	2	9.4	0.35	1 to 7	
SAV	309	PHOENIX MAV	8"	100	380	25	380	50	86.9	1.0	140	100	2	13.2	0.35	1 to 7	
WTA LEVEL 03: 9																	
SAV	401	PHOENIX MAV	24x12	540	1800	30	1800	55	79.7	3.7	140	100	2	49.0	0.35	1 to 7	
SAV	402	PHOENIX MAV	10"	165	550	25	550	55	79.4	1.1	140	100	2	14.7	0.35	1 to 7	
SAV	403	PHOENIX MAV	24x12	540	1800	30	1800	55	78.6	3.5	140	100	2	46.8	0.35	1 to 7	
SAV	404	PHOENIX MAV	12"	800	1000	25	1000	55	78.8	2.0	140	100	2	26.2	0.35	1 to 7	
SAV	405	PHOENIX MAV	12"	1000	1000	25	1000	50	80.0	2.1	140	100	2	27.5	0.35	1 to 7	
SAV	406	PHOENIX MAV	8"	240	240	25	240	55	80.9	0.5	140	100	2	6.8	0.35	1 to 7	
SAV	407	PHOENIX MAV	12"	1000	1000	25	1000	55	82.0	2.2	140	100	2	29.7	0.35	1 to 7	
SAV	408	PHOENIX MAV	8"	50	50	25	50	55	78.8	0.5	140	100	2	1.1	0.35	1 to 7	
WTA LEVEL 04: 8																	
Grand total: 32																	
				11270 CFM		27310 CFM		27310 CFM		60.3							
PLAN DESIGNATION:																	
NOTES:																	
1. HEATING COIL SIZES SHALL INCLUDE 25% ADDITIONAL CAPACITY GREATER THAN LISTED IN ABOVE VALUES AT AIRFLOW AND WATER FLOWS LISTED.																	
2. PROVIDE AND INSTALL DUCT MOUNTED HEATING COIL. REHEAT COIL SHALL BE 2 ROW MINIMUM.																	
3. H & HR RUNOUTS TO REHEAT COILS SHALL BE 3/4" UNLESS OTHERWISE NOTED.																	
4. BOX AIR PRESSURE DROP (APD) INCLUDES COIL APD AT SCHEDULED MAXIMUM AIR FLOW RATE.																	
5. SUPPLY VALVES SHALL TRACK WITH THE EXHAUST AND HOOD VALVES TO CONTROL SPACE PRESSURE.																	
6. PROVIDE DISCHARGE SOUND ATTENUATOR.																	
7. VALVES SHALL BE LOW PRESSURE TYPE WITH OPERATING PRESSURES BETWEEN 0.3" AND 3.0" W.C.																	
8. ENTERING AIR TEMPERATURE IS 50 DEG. F.																	
9. PROVIDE WITH 3-WAY CONTROL VALVE. REFER TO MECHANICAL SCHEDULE FOR REHEAT PIPING (WITH 3-WAY VALVE).																	
10. AIRFLOW VALUES INDICATED ON THIS SCHEDULE ARE FOR OCCUPIED MODE. REFER TO LABORATORY FUME HOOD / SPACE PRESSURIZATION SYSTEM SCHEDULE FOR UNOCCUPIED AIRFLOW VALUES.																	

LABORATORY FUME HOOD / SPACE PRESSURIZATION SYSTEM SCHEDULE																
ROOM NO.	HOOD EXHAUST VALVE (HEV)				SUPPLY AIR VALVE (SAV)				GENERAL EXHAUST VALVE (GEV)				No. of Doors (70cfm/door)	ROOM OFFSET (CFM)	ROOM PRESSURE	
	MARK	UNOCCUPIED MIN.	OCCUPIED MIN.	MAX.	MARK	UNOCCUPIED MIN.	OCCUPIED MIN.	MAX.	MARK	UNOCCUPIED	OCCUPIED	MAX.				ACH
191	HEV-1C1	0	0	0	SAV-1C1	540	1800	300	GEV-1C1	180	540	180	2.700	130	0	Δ
191	HEV-1C2	0	0	450									0.0	—	0	—
191	HEV-1C3	0	0	450									0.0	—	0	—
191	HEV-1C4	0	0	450									0.0	—	0	—
191	HEV-1C5	0	0	450									0.0	—	0	—
191	HEV-1C6	0	0	450									0.0	—	0	—
183C	—	0	0	0	SAV-1C2	190	280	620					0.0	—	0	Transfer
183B	—	0	0	0	SAV-1C3	115	380	845					0.0	—	0	Transfer
SUB TOTAL	0	0	2700		845	300	1500		1045	100	300			3	200	—
291	HEV-201	0	200	430	SAV-201	200	1400	1650	GEV-201	340	180	540	9.0	2	140	—
289B	—	0	0	0	SAV-202	240	240	370	GEV-202	130	130	130	13.3	—	110	+
289A	—	0	0	0	SAV-203	40	65	160	GEV-203	110	135	240	1.7	1	70	—
283	HEV-204	0	250	700	SAV-204	200	420	1400	GEV-204	340	310	840	18.4	2	140	Δ
292	—	0	0	0	SAV-205	60	95	300	GEV-205	130	165	370	1.9	1	70	—
284	—	0	0	0	SAV-206	240	605	1500	GEV-206	380	745	1640	35.5	2	140	Δ
282	—	0	0	0	SAV-207	60	120	300	GEV-207	130	190	370	2.4	1	70	—
276	HEV-208	0	200	430	SAV-208	200	600	1200	GEV-208	340	540	910	38.6	2	140	—
274	—	0	0	0	SAV-209	40	65	160	GEV-209	110	135	240	9.3	1	70	—
272B	—	0	0	0	SAV-210	60	120	400	GEV-210	130	190	500	7.0	1	70	—
272A	—	0	0	0	SAV-211	100	100	300	GEV-211	200	200	400	8.2	—	100	—
235	—	0	0	0	SAV-212	660	660	2200	GEV-212	730	730	2270	21.6	1	70	—
	HEV-301	0	200	430	SAV-301	200	600	1650	GEV-301a				9.4	2	140	—
391	—	0	0	0					GEV-301b							Δ
SUB TOTAL	0	200	430		200	600	1650			75	165			2	140	—
389	HEV-302	0	200	430	SAV-302	60	160	520	GEV-302	130	30	230	4.9	1	70	—
383	HEV-303	0	200	430	SAV-303	200	495	1650	GEV-303	340	435	1360	9.5	2	140	—
388	HEV-304	0	250	700	SAV-304	80	480	1200	GEV-304	220			4.5	2	140	—
380	HEV-305	0	200	430	SAV-305	60	270	360	GEV-305	130			3.0	1	70	—
378	HEV-306	0	250	700	SAV-306	240	810	1200	GEV-306	380			3.2	2	140	—
374B	—	0	0	0	SAV-307	240	240	360	GEV-307	130			7.3	—	110	+
374A	HEV-308	0	200	430	SAV-308	60	270	360	GEV-308	130			2.0	1	70	—
372B/C	—	0	0	0	SAV-309	100	100	380	GEV-309	260			51.4	—	160	—
	HEV-401a	0	250	700	SAV-401	200	540	1800	GEV-401	340	180	540	24.0			—
491	HEV-401b	0	250	700												—
SUB TOTAL	0	500	1400		200	540	1800		340	180	540			2	140	—
489	—	0	0	0	SAV-402	60	165	550	GEV-402	130	235	620		1	70	—
	HEV-403a	0	250	700	SAV-403	200	540	1800	GEV-403	340	180	540				—
483	HEV-403b	0	250	700												—
SUB TOTAL	0	500	1400		200	540	1800		340	180	540			2	140	—
	HEV-404a	0	250	700	SAV-404	200	800	1000		0	0	0				—
	HEV-404b	0	250	700												—
	HEV-404c	0	250	700												—
488	HEV-404d	0	280	700												—
SUB TOTAL	0	1000	2800		200	800	1000		0	0	0			2	140	—
	HEV-405a	0	250	700	SAV-405	200	600	1000								—
	HEV-405b	0	250	700												—
	HEV-405c	0	250	700												—
	HEV-405d	0	200	430												—
	HEV-405e	0	250	700												—
	HEV-405f	0	250	700												—
480	HEV-405g	0	250	700												—
SUB TOTAL	0	1700	4630		200	600	1000		0					2	140	—
478	HEV-406	0	200	430	SAV-406	60	240	240	GEV-406	130			4.7	1	70	—
	HEV-407a	0	200	430	SAV-407	700	700	1000								—
	HEV-407b	0	200	430												—
	HEV-407c	0	200	430												—
	HEV-407d	0	200	430												—
	HEV-407e	0	200	430												—
472	HEV-407f	0	200	430												—
SUB TOTAL	0	1400	3010		200	700	1000		0	0	0			2	140	—
475	—	0	0	0	SAV-408	50	50	50	GEV-408	150	150	150		—	100	—