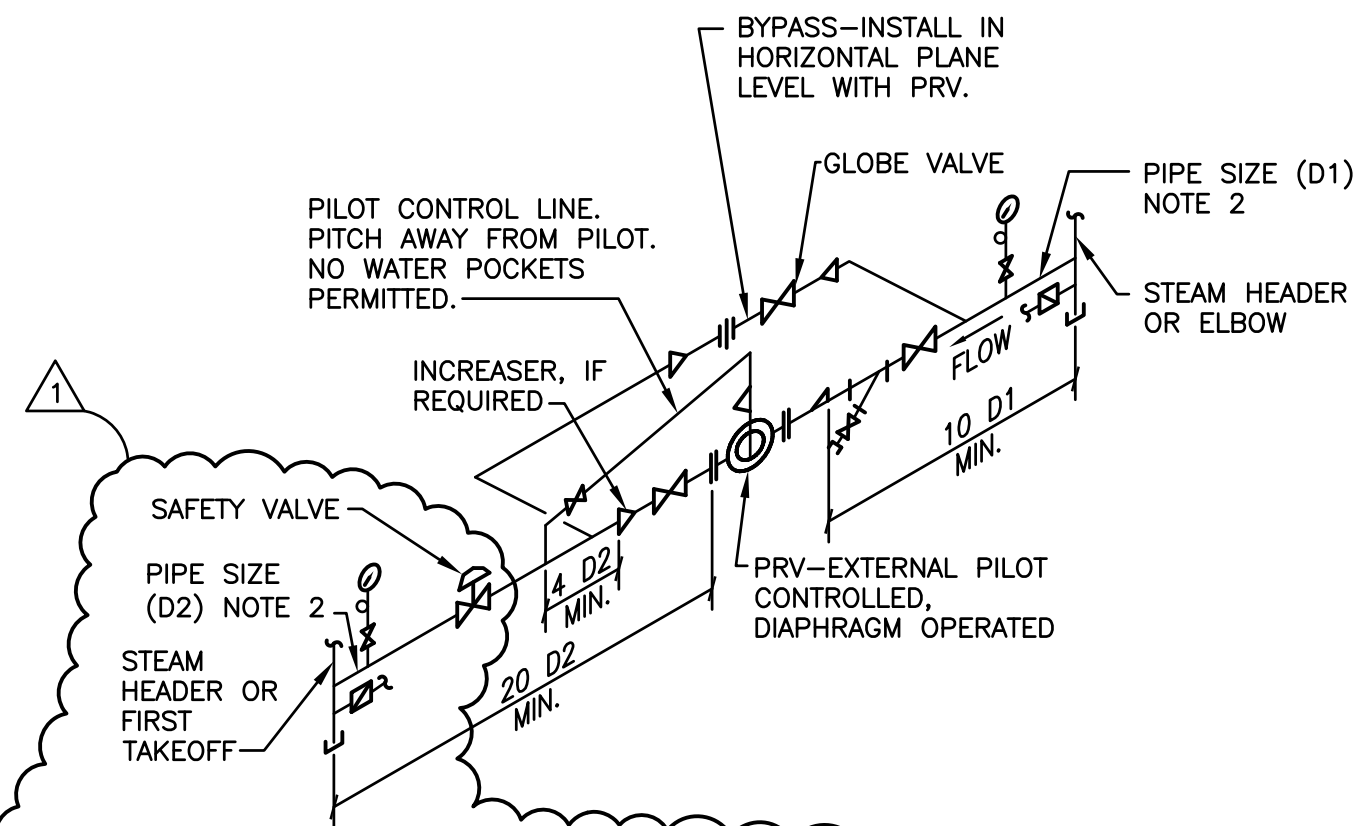


SUPPLY AIR VALVE SCHEDULE								
TAG	AREA SERVED	CFM		VALVE TYPE	NOMINAL SIZE DIA. IN	DESIGN BASIS		NOTES
		DESIGN	MIN			MANUF.	MODEL	
SAV1	EMERGENCY WAITING	1700	1700	CONSTANT	14"	PHOENIX	CSVA114M	
SAV2	TREATMENT ROOMS	300	150	VARIABLE	8"	PHOENIX	HSVA108M	
SAV3	TREATMENT ROOMS	300	150	VARIABLE	8"	PHOENIX	HSVA108M	
SAV4	EQUIPMENT STORAGE	175	175	CONSTANT	8"	PHOENIX	CSVA108M	
SAV5	WOMEN'S TREATMENT	175	100	VARIABLE	8"	PHOENIX	HSVA108M	
SAV6	CORRIDOR	600	600	CONSTANT	8"	PHOENIX	CSVA108M	
SAV7	MEDS ROOM	150	75	VARIABLE	8"	PHOENIX	HSVA108M	
SAV8	CLEAN HOLDING	100	100	CONSTANT	8"	PHOENIX	CSVA108M	
SAV9	VITAL SIGNS	250	125	VARIABLE	8"	PHOENIX	HSVA108M	
SAV10	TREATMENT ROOMS	300	150	VARIABLE	8"	PHOENIX	HSVA108M	
SAV11	TREATMENT ROOMS	450	225	VARIABLE	8"	PHOENIX	HSVA108M	
SAV12	NURSE'S STATION #2	950	475	VARIABLE	12"	PHOENIX	HSVA112M	
SAV13	TREATMENT LIFE SUPPORT	300	150	VARIABLE	8"	PHOENIX	HSVA108M	
SAV14	TREATMENT RM. ISOLATION	330	330	VARIABLE	8"	PHOENIX	CSVA108M	1
SAV15	DECON. WORKROOM	125	125	VARIABLE	8"	PHOENIX	CSVA108M	1
SAV16	DECON. ROOM	200	200	VARIABLE	8"	PHOENIX	CSVA108M	1
SAV17	BARIATRIC TREAT. RM.	225	100	VARIABLE	8"	PHOENIX	HSVA108M	
SAV18	CORRIDOR	500	500	CONSTANT	8"	PHOENIX	CSVA108M	
SAV19	TREATMENT RM. SECURITY	125	65	VARIABLE	8"	PHOENIX	HSVA108M	
SAV20	BREAKROOM	170	170	CONSTANT	8"	PHOENIX	CSVA108M	
SAV21	CONSULTATION	150	75	VARIABLE	8"	PHOENIX	HSVA108M	
SAV22	CORRIDOR	1200	1200	CONSTANT	12"	PHOENIX	CSVA112M	
SAV23	X-RAY ROOM	450	450	CONSTANT	8"	PHOENIX	CSVA108M	
SAV24	RECEPTION/ POLICE	250	125	VARIABLE	8"	PHOENIX	HSVA108M	
SAV25	FUTURE CT	1250	1250	CONSTANT	12"	PHOENIX	CSVA112M	
SAV26	CORRIDOR	1000	1000	CONSTANT	12"	PHOENIX	CSVA112M	
SAV27	CONFERENCE	400	200	VARIABLE	8"	PHOENIX	HSVA108M	
SAV28	CORRIDOR	350	350	CONSTANT	8"	PHOENIX	CSVA108M	
SAV29	NURSE MGR. OFFICE	150	75	VARIABLE	8"	PHOENIX	HSVA108M	
SAV30	MD OFFICE	150	75	VARIABLE	8"	PHOENIX	HSVA108M	
SAV31	SHARED MD OFFICE	200	100	VARIABLE	8"	PHOENIX	HSVA108M	
SAV32	LOCKER ROOM	150	150	CONSTANT	8"	PHOENIX	CSVA108M	
SAV33	VENDING	200	200	CONSTANT	8"	PHOENIX	CSVA108M	
SAV34	EMT	125	75	VARIABLE	8"	PHOENIX	HSVA108M	
SAV35	CORRIDOR	500	500	CONSTANT	8"	PHOENIX	CSVA108M	
SAV36	CORRIDOR	250	250	CONSTANT	8"	PHOENIX	CSVA108M	
SAV37	COFFEE SHOP	250	250	CONSTANT	8"	PHOENIX	CSVA108M	
SAV38	I.T. & SYSTEMS CLOSET	450	450	CONSTANT	8"	PHOENIX	CSVA108M	
SAV39	BASEMENT STORAGE ROOMS	405	405	CONSTANT	8"	PHOENIX	CSVA108M	

1. VALVE TO BE A STANDARD SHUT-OFF VALVE TYPE.

EXHAUST AIR VALVE SCHEDULE								
TAG	AREA SERVED	CFM		VALVE TYPE	NOMINAL SIZE DIA. IN	DESIGN BASIS		NOTES
		DESIGN	MIN			MANUF.	MODEL	
EAV1	I.T. & SYSTEMS CLOSETS	450	450	CONSTANT	8"	PHOENIX	CEVA108M	
EAV2	TREATMENT ROOMS	350	175	VARIABLE	8"	PHOENIX	HEVA108M	
EAV3	TREATMENT ROOMS	350	175	VARIABLE	8"	PHOENIX	HEVA108M	
EAV4	CORRIDOR	800	800	CONSTANT	10"	PHOENIX	CEVA110M	
EAV5	WOMEN'S TREATMENT	85	50	VARIABLE	8"	PHOENIX	HEVA108M	
EAV6	EMT	125	75	VARIABLE	8"	PHOENIX	HEVA108M	
EAV7	MEDS ROOM	130	50	VARIABLE	8"	PHOENIX	HEVA108M	
EAV8	CLEAN HOLDING	85	85	CONSTANT	8"	PHOENIX	CEVA108M	
EAV9	VITAL SIGNS	150	75	VARIABLE	8"	PHOENIX	HEVA108M	
EAV10	TREATMENT ROOMS	350	175	VARIABLE	8"	PHOENIX	HEVA108M	
EAV11	TREATMENT ROOMS	525	275	VARIABLE	8"	PHOENIX	HEVA108M	
EAV12	OFFICES	700	450	VARIABLE	10"	PHOENIX	HEVA110M	
EAV13	TREATMENT LIFE SUPPORT	350	175	VARIABLE	8"	PHOENIX	HEVA108M	
EAV14	TREATMENT RM. ISOLATION	530	530	VARIABLE	8"	PHOENIX	CEVA108M	1
EAV15	DECON. WORKROOM	160	160	VARIABLE	8"	PHOENIX	CEVA108M	1
EAV16	DECON. ROOM	260	260	VARIABLE	8"	PHOENIX	CEVA108M	1
EAV17	BARIATRIC TREAT. RM.	250	125	VARIABLE	8"	PHOENIX	HEVA108M	
EAV18	TREATMENT RM. SECURITY	150	100	VARIABLE	8"	PHOENIX	HEVA108M	
EAV19	CORRIDOR	800	800	CONSTANT	10"	PHOENIX	CEVA110M	
EAV20	CONSULTATION	150	75	VARIABLE	8"	PHOENIX	HEVA108M	
EAV21	X-RAY ROOM	385	385	CONSTANT	8"	PHOENIX	CEVA108M	
EAV22	RECEPTION/ POLICE	250	125	VARIABLE	8"	PHOENIX	HEVA108M	
EAV23	CORRIDOR	580	580	CONSTANT	8"	PHOENIX	CEVA108M	
EAV24	CONFERENCE	235	35	VARIABLE	8"	PHOENIX	HEVA108M	
EAV25	FUTURE CT	1060	1060	CONSTANT	12"	PHOENIX	CEVA112M	
EAV26	CORRIDOR	1055	1055	CONSTANT	12"	PHOENIX	CEVA112M	

1. VALVE TO BE A STANDARD SHUT-OFF VALVE TYPE.



- NOTE:
1. PROVIDE NECESSARY UNIONS TO REMOVE PRV WHEN PRV HAS SCREWED CONNECTIONS.
 2. FOR SIZES OF PIPES, FITTINGS, VALVES, STRAINERS, BYPASSES, & HEATING CAPACITIES, SEE EQUIPMENT SCHEDULE.
 3. PIPE BENDS MAY BE USED ON BYPASSES.
 4. PRESSURE REDUCING VALVES SHALL BE SIZED FOR INITIAL AND FINAL PRESSURES AND CAPACITIES SHALL BE AS NOTED IN EQUIPMENT SCHEDULES ON THE DRAWINGS.
 5. ANY ECCENTRIC REDUCER/INCREASER FITTING SHALL HAVE STRAIGHT PORTION OF FITTING ALONG BOTTOM OF PIPING TO PREVENT ENTRAPMENT OF CONDENSATE AND ALLOW PIPING TO DRAIN COMPLETELY.
 6. ALL STEAM SUPPLY PIPING TO PITCH UP IN DIRECTION OF FLOW. ALL STEAM CONDENSATE RETURN PIPING TO PITCH DOWN IN DIRECTION OF FLOW. PITCH SHALL BE NOT LESS THAN 1" IN 40', TYPICAL.

STEAM PRESSURE REDUCING STATION SINGLE VALVE

NO SCALE

REHEAT COIL SCHEDULE – HOT WATER															
TAG	AREA SERVED	SIZE LxW	CAP. MBH	MAX. FPF	NO OF ROWS	AIR			WATER				DESIGN BASIS		NOTES
						CFM	APD	EAT	GPM	WPD	EWT	LWT	MANUF.	MODEL	
RH1	EMERGENCY WAITING	22x18	73.75	102	2	1700	.22	55'	7.36	0.07	180"	160"	TRANE CO.	SW	
RH2	TREATMENT ROOMS	9x9	15.92	110	2	300	.20	55'	1.59	0.43	180"	160"	TRANE CO.	ST	
RH3	TREATMENT ROOMS	9x9	15.92	110	2	300	.20	55'	1.59	0.43	180"	160"	TRANE CO.	ST	
RH4	EQUIPMENT STORAGE	6x6	8.35	110	2	175	.26	55'	0.83	0.51	180"	160"	TRANE CO.	T	
RH5	WOMEN'S TREATMENT	6x6	8.35	110	2	175	.26	55'	0.83	0.51	180"	160"	TRANE CO.	T	
RH6	LOWER NURSE'S STATION	12x12	26.03	97	2	600	.18	55'	2.60	0.36	180"	160"	TRANE CO.	SW	
RH7	MEDS ROOM	6x6	6.91	110	2	150	.22	55'	0.69	.08	180"	160"	TRANE CO.	T	
RH8	CLEAN HOLDING	6x6	5.3	110	2	100	.10	55'	0.53	.05	180"	160"	TRANE CO.	ST	
RH9	VITAL SIGNS	10x6	12.85	110	2	250	.20	55'	1.28	0.27	180"	160"	TRANE CO.	ST	
RH10	TREATMENT ROOMS	9x9	15.92	110	2	300	.20	55'	1.59	0.43	180"	160"	TRANE CO.	ST	
RH11	TREATMENT ROOMS	12x9	20.19	80	2	450	.16	55'	2.02	0.97	180"	160"	TRANE CO.	ST	
RH12	NURSE'S STATION	18x12	41.21	89	2	950	.20	55'	4.12	0.40	180"	160"	TRANE CO.	SW	
RH13	TREATMENT LIFE SUPPORT	9x9	15.92	110	2	300	.20	55'	1.59	0.43	180"	160"	TRANE CO.	ST	
RH14	TREATMENT RM. ISOLATION	9x9	18.42	110	2	330	.22	55'	1.84	0.73	180"	160"	TRANE CO.	ST	
RH15	DECON. WORKROOM	6x6	5.61	80	2	125	.12	55'	0.56	0.43	180"	160"	TRANE CO.	T	
RH16	DECON. ROOM	9x6	9.22	80	2	200	.13	55'	0.92	0.61	180"	160"	TRANE CO.	T	
RH17	BARIATRIC TREAT. RM.	10x6	12.85	110	2	225	.20	55'	1.28	0.27	180"	160"	TRANE CO.	ST	
RH18	CORRIDOR	12x12	21.69	86	2	500	.13	55'	2.17	0.36	180"	160"	TRANE CO.	SW	
RH19	TREATMENT RM. SECURITY	6x6	5.61	80	2	125	.12	55'	0.56	0.43	180"	160"	TRANE CO.	T	
RH20	BREAKROOM	6x6	8.35	110	2	170	.26	55'	0.83	0.51	180"	160"	TRANE CO.	T	
RH21	CONSULTATION	6x6	6.91	110	2	150	.22	55'	0.69	.08	180"	160"	TRANE CO.	T	
RH22	CORRIDOR	21x12	52.06	106	2	1200	.27	55'	5.20	0.22	180"	160"	TRANE CO.	WL	
RH23	X–RAY ROOM	12x9	20.19	80	2	450	.16	55'	2.02	0.97	180"	160"	TRANE CO.	ST	
RH24	RECEPTION	10x6	12.85	110	2	250	.20	55'	1.28	0.27	180"	160"	TRANE CO.	ST	
RH25	STORAGE (FUTURE CT)	21x12	52.06	106	2	1250	.27	55'	5.20	0.22	180"	160"	TRANE CO.	WL	
RH26	CORRIDOR	21x12	45.55	105	2	1000	.20	55'	4.55	0.05	180"	160"	TRANE CO.	SW	
RH27	CONFERENCE/ KITCHENETTE	12x9	18.80	80	2	400	.14	55'	1.88	0.86	180"	160"	TRANE CO.	ST	
RH28	CORRIDOR	9x9	15.92	110	2	350	.20	55'	1.59	0.43	180"	160"	TRANE CO.	ST	
RH29	NURSE MGR. OFFICE	6x6	6.91	110	2	150	.22	55'	0.69	.08	180"	160"	TRANE CO.	T	
RH30	MD OFFICE	6x6	6.91	110	2	150	.22	55'	0.69	.08	180"	160"	TRANE CO.	T	
RH31	SHARED MD OFFICE	9x6	9.22	80	2	200	.13	55'	0.92	0.61	180"	160"	TRANE CO.	T	
RH32	LOCKER ROOM	6x6	6.91	110	2	150	.22	55'	0.69	.08	180"	160"	TRANE CO.	T	
RH33	STORAGE (FUTURE USE)	9x6	9.22	80	2	200	.13	55'	0.92	0.61	180"	160"	TRANE CO.	T	
RH34	EMT	6x6	5.61	80	2	125	.12	55'	0.56	0.43	180"	160"	TRANE CO.	T	
RH35	CORRIDOR	12x12	21.69	86	2	500	.13	55'	2.17	0.36	180"	160"	TRANE CO.	SW	
RH36	CORRIDOR	10x6	12.85	110	2	250	.20	55'	1.28	0.27	180"	160"	TRANE CO.	ST	
RH37	COFFEE SHOP	10x6	12.85	110	2	250	.20	55'	1.28	0.27	180"	160"	TRANE CO.	ST	
RH38	BASEMENT STORAGE ROOMS	12x9	18.80	80	2	405	.14	55'	1.88	0.86	180"	160"	TRANE CO.	ST	

PRESSURE REDUCING STATION SCHEDULE

TAG	SERVES	LOCATION	PRESSURE		CAPACITY				DESIGN BASIS			SAFETY VALVE				NOTES	
			INITIAL (PSI)	FINAL (PSI)	LBS/HR	VALVE SIZE	BYPASS	INLET SIZE (D1)	DISCH. SIZE (D2)	MANUF.	PRV MODEL	Cv	MANUF.	MODEL	MIN. CAP (LBS/HR)		PRESSURE SETTING (PSI)
PRV1	HUMIDIFIER	ED BASEMENT MECH ROOM	60	10	255	1/2"	1"	1"	2"	SPENCE	E	2.8	SPENCE	0041-EDA-025	255	25	1, 2, 3

1. PROVIDE SELF-ACTUATING VALVE WITH STANDARD SIDE MOUNT PILOT. VALVE TO BE FULL PORT, WITH A 3/4" THREADED MUFFLING ORIFICE FITTING. PROVIDE AUDIBLE ALARM WITH SAFETY VALVE, AND SPENCE 1" DRIP-PAN ELBOW DPE-D.

2. REFER TO STEAM PRESSURE REDUCING STATION SINGLE VALVE DETAIL.

3. PROVIDE GLOBE VALVE ON BYPASS LINE WITH A Cv EQUAL TO OR LESS THAN THE Cv OF THE REGULATING STATION (2.8).

FINAL DESIGN (100%)
FULLY SPRINKLERED

FFA #7451

CONSULTANTS:		ARCHIT
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