SAFETY VALVES & RELIEF VALVES

VALVE NO.	SERVICE	FLUID	TEMP °F	MINIMUM CAPACITY	SET PRESS PSIG	SIZE & ORIFICE
500-SV 1	------NOT USED					
500-SV 2	P.R.V. STATION 2	STEAM		41,600 LBS/HR.	20	6 X 8 (Q)
500-SV 3	P.R.V. STATION 3	STEAM		620 LBS/HR.	25	1-1/2 X 2-1/2 (J)
500-SV 4	P.R.V. STATION 4	STEAM		595 LBS/HR.	25	1-1/2 X 2-1/2 (J)
500-SV 5	P.R.V. STATION 5	STEAM		665 LBS/HR.	25	1-1/2 X 2-1/2 (J)
500-SV 6	P.R.V. STATION 6	STEAM		2,705 LBS/HR.	25	2 X 3 (K)
500-SV 7	P.R.V. STATION 7	STEAM		1,170 LBS/HR.	25	1-1/2 X 2-1/2 (J)
500-SV 8	P.R.V. STATION 8	STEAM		1,055 LBS/HR.	25	1-1/2 X 2-1/2 (J)
500-SV 9	P.R.V. STATION 9	STEAM		2,275 LBS/HR.	25	2 X 2-1/2 (L)
500-SV 10	P.R.V. STATION 10	STEAM		6,760 LBS/HR.	25	3 X 4 (M)
500-SV 11	P.R.V. STATION 11	STEAM		765 LBS/HR.	25	1-1/2 X 2-1/2 (J)
500-SV 12	P.R.V. STATION 12	STEAM		3,370 LBS/HR.	25	2 X 3 (K)
500-SV 13	P.R.V. STATION 13	STEAM		3060 LBS/HR.	25	2 X 3 (K)
500-SV 14	P.R.V. STATION 14	STEAM		930 LBS/HR.	25	1-1/2 X 2-1/2 (J)
500-SV 15	P.R.V. STATION 15	STEAM		4,355 LBS/HR.	25	2-1/2 X 4 (L)
500-SV 16	P.R.V. STATION 16	STEAM		1530 LBS/HR.	25	1-1/2 X 2-1/2 (J)
500-SV 17	P.R.V. STATION 17	STEAM		2,980 LBS/HR.	25	2 X 3 (K)
500-SV 18	P.R.V. STATION 18	STEAM		1360 LBS/HR.	25	1-1/2 X 2-1/2 (J)
500-SV 19	P.R.V. STATION 19	STEAM		710 LBS/HR.	25	1-1/2 X 2-1/2 (J)
500-SV 20	P.R.V. STATION 20	STEAM		460 LBS/HR.	25	1-1/2 X 2-1/2 (J)
500-SV 21	P.R.V. STATION 21	STEAM		875 LBS/HR.	25	1-1/2 X 2-1/2 (J)
500-SV 22	P.R.V. STATION 22	STEAM		1305 LBS/HR.	25	1-1/2 X 2-1/2 (J)
500-SV 23	P.R.V. STATION 23	STEAM		1765 LBS/HR.	25	1-1/2 X 2-1/2 (J)
500-SV 24	P.R.V. STATION 24	STEAM		1575 LBS/HR.	25	1-1/2 X 2-1/2 (J)
500-SV 25	P.R.V. STATION 25	STEAM		1535 LBS/HR.	25	1-1/2 X 2-1/2 (J)
500-SV 26	P.R.V. STATION 26	STEAM		2370 LBS/HR.	25	2 X 3 (K)
500-SV 27	P.R.V. STATION 27	STEAM		3405 LBS/HR.	25	2-1/2 X 4 (L)
500-SV 28	P.R.V. STATION 28	STEAM		1575 LBS/HR.	25	1-1/2 X 2-1/2 (J)
500-SV 29	P.R.V. STATION 29	STEAM		1,365 LBS/HR.	25	1-1/2 X 2-1/2 (J)
500-SV 30	P.R.V. STATION 30	STEAM		765 LBS/HR.	25	1-1/2 X 2-1/2 (J)
500-SV 31	P.R.V. STATION 31	STEAM		765 LBS/HR.	25	1-1/2 X 2-1/2 (J)

ENERGY RECOVERY COIL SCHEDULE

UNIT NO.	SYSTEM	MODE	SUPPLY AIR CFM	MAX S.P.	SUPPLY AIR ENT AIR °F DB	SUPPLY AIR ENT AIR °F GR/LB	SUPPLY AIR LVG AIR °F DB	SUPPLY AIR LVG AIR °F GR/LB	EXHAUST AIR CFM	MAX S.P.	EXHAUST AIR ENT AIR °F DB	EXHAUST AIR ENT AIR °F GR/LB	EXHAUST AIR LVG AIR °F DB	EXHAUST AIR LVG AIR °F GR/LB
500-ERC 1	1-A-I	SUMMER	2,990	.61	91.0	119	83.4	119	2,990	.69	78.6	72.03	86.3	72.03
		WINTER			10.0	3.983	49.5	3.983			72.6	35.616	36.2	31.493
500-ERC 2	2-A-I	SUMMER	3,595	.62	91.0	119	83.4	119	3,595	.69	78.6	72.03	86.3	72.03
		WINTER			10.0	3.983	49.5	3.983			72.6	35.616	36.2	31.493
500-ERC 3 (2)	3-A-D	SUMMER	7,040	1.14	91.0	119	83.1	119	7,030	1.29	78.6	72.03	86.7	72.03
		WINTER			10.0	3.983	51.9	3.983			72.6	35.616	34.6	29.695
500-ERC 4	1-B-E	SUMMER	2,700	.56	91.0	119	83.2	119	2,700	.62	78.6	72.03	86.4	72.03
		WINTER			10.0	3.983	50.3	3.983			72.6	35.616	35.6	30.934
500-ERC 5	2-B-E	SUMMER	3,020	.63	91.0	119	83.5	119	3,020	.70	78.6	72.03	86.2	72.03
		WINTER			10.0	3.983	49.4	3.983			72.6	35.616	36.2	31.403
500-ERC 6	1-C-D	SUMMER	1,465	.64	91.0	119	83.5	119	1,465	.71	78.6	72.03	86.2	72.03
		WINTER			10.0	3.983	49.3	3.983			72.6	35.616	36.3	31.530
500-ERC 7	1-D-B	SUMMER	3,215	.51	91.0	119	83.2	119	3,215	.56	78.6	72.03	86.6	72.03
		WINTER			10.0	3.983	50.9	3.983			72.6	35.616	35.4	30.416
500-ERC 8 (2)	1-E-D	SUMMER	5,970	1.12	91.0	119	83.0	119	5,970	1.27	78.6	72.03	86.7	72.03
		WINTER			10.0	3.983	52.1	3.983			72.6	35.616	34.6	29.695
500-ERC 9	1-F-F	SUMMER	8,610	.67	91.0	119	83.4	119	8,610	.69	78.6	72.03	86.3	72.03
		WINTER			10.0	3.983	49.5	3.983			72.6	35.616	36.2	31.403
500-ERC 10	2-F-F	SUMMER	1,055	.59	91.0	119	83.4	119	1,055	.66	78.6	72.03	86.3	72.03
		WINTER			10.0	3.983	49.5	3.983			72.6	35.616	36.0	31.150
500-ERC 11	0-G-J	SUMMER	3,525	.60	91.0	119	83.4	119	3,525	.67	78.6	72.03	86.3	72.03
		WINTER			10.0	3.983	49.8	3.983			72.6	35.616	36.1	31.277
500-ERC 12	1-G-J	SUMMER	5,265	.57	91.0	119	83.4	119	5,265	.64	78.6	72.03	86.4	72.03
		WINTER			10.0	3.983	50.1	3.983			72.6	35.616	35.9	31.026
500-ERC 13	2-G-J	SUMMER	8,640	.62	91.0	119	83.4	119	8,640	.69	78.6	72.03	86.3	72.03
		WINTER			10.0	3.983	49.5	3.983			72.6	35.616	36.2	31.403
500-ERC 14	3-G-E	SUMMER	3,150	.67	91.0	119	83.5	119	3,150	.74	78.6	72.03	86.2	72.03
		WINTER			10.0	3.983	46.9	3.983			72.6	35.616	36.5	31.764
500-ERC 15	4-G-A	SUMMER	4,525	.67	91.0	119	83.5	119	4,525	.74	78.6	72.03	86.2	72.03
		WINTER			10.0	3.983	46.9	3.983			72.6	35.616	36.5	31.764
500-ERC 16	5-G-A	SUMMER	5,470	.55	91.0	119	83.3	119	5,470	.61	78.6	72.03	86.4	72.03
		WINTER			10.0	3.983	50.4	3.983			72.6	35.616	35.7	30.763
500-ERC 17	NOT USED	SUMMER	---	--	---	---	---	---	---	---	---	---	---	---
		WINTER			---	---	---	---			---	---	---	---
500-ERC 18	1-H-K	SUMMER	2,590	.70	91.0	119	83.6	119	2,590	.76	78.6	72.03	86.1	72.03
		WINTER			10.0	3.983	48.6	3.983			72.6	35.616	36.7	32.037
500-ERC 19	2-H-K	SUMMER	3,305	.60	91.0	119	83.4	119	3,305	.67	78.6	72.03	86.3	72.03
		WINTER			10.0	3.983	49.7	3.983			72.6	35.616	36.1	31.277
500-ERC 20 (2)	3-H-F	SUMMER	7,705	1.07	91.0	119	83.0	119	7,705	1.21	78.6	72.03	86.7	72.03
		WINTER			10.0	3.983	52.5	3.983			72.6	35.616	34.6	29.455
500-ERC 21	0-J-L	SUMMER	2,485	.66	91.0	119	83.5	119	2,485	.73	78.6	72.03	86.2	72.03
		WINTER			10.0	3.983	49.1	3.983			72.6	35.616	36.4	31.657
500-ERC 22	1-J-L	SUMMER	2,535	.50	91.0	119	83.2	119	2,535	.56	78.6	72.03	86.5	72.03
		WINTER			10.0	3.983	51.0	3.983			72.6	35.616	35.4	30.415
500-ERC 23	2-J-L	SUMMER	2,605	.71	91.0	119	83.6	119	2,605	.76	78.6	72.03	86.1	72.03
		WINTER			10.0	3.983	48.5	3.983			72.6	35.616	36.8	32.164
500-ERC 24	3-J-G	SUMMER	4,500	.66	91.0	119	83.5	119	4,500	.73	78.6	72.03	86.2	72.03
		WINTER			10.0	3.983	49.0	3.983			72.6	35.616	36.5	31.764
500-ERC 25	4-J-C	SUMMER	4,830	.56	91.0	119	83.4	119	4,830	.64	78.6	72.03	86.3	72.03
		WINTER			10.0	3.983	50.0	3.983			72.6	35.616	35.9	31.026
500-ERC 26	5-J-C	SUMMER	4,975	.61	91.0	119	83.4	119	4,975	.68	78.6	72.03	86.3	72.03
		WINTER			10.0	3.983	49.7	3.983			72.6	35.616	36.1	31.277
500-ERC 27 (2)	0-K-L	SUMMER	27,810	1.02	91.0	119	82.9	119	27,810	1.16	78.6	72.03	86.8	72.03
		WINTER			10.0	3.983	52.8	3.983			72.6	35.616	34.4	29.219
500-ERC 28	0-L-M	SUMMER	3,900	.55	91.0	119	[illegible]	119	3,900	.61	78.6	72.03	86.4	72.03
		WINTER			10.0	3.983	50.4	3.983			72.6	35.616	35.7	30.763
500-ERC 29	NOT USED	SUMMER	---	---	---	---	---	---	---	---	---	---	---	---
		WINTER			---	---	---	---			---	---	---	---
500-ERC 30	1-L-M	SUMMER	3,850	.54	91.0	119	83.3	119	3,850	.60	78.6	72.03	86.4	72.03
		WINTER			10.0	3.983	[illegible]	3.983			72.6	35.616	35.6	30.660
500-ERC 31	2-L-M	SUMMER	1,145	.42	91.0	119	[illegible]	119	1,145	.48	78.6	72.03	36.7	72.03
		WINTER			10.0	3.983	[illegible]	3.983			72.6	35.616	34.7	29.572
500-ERC 32	0-M-R	SUMMER	2,790	.55	91.0	119	[illegible]	119	2,790	.61	78.6	72.03	86.4	72.03
		WINTER			10.0	3.983	[illegible]	3.983			72.6	35.616	35.7	31.743
500-ERC 33	1-M-R	SUMMER	2,835	.60	91.0	119	83.4	119	2,835	.67	78.6	72.03	86.3	72.03
		WINTER			10.0	3.983	[illegible]	3.983			72.6	35.616	36.1	31.277
500-ERC 34	1-N-S	SUMMER	[illegible]	.61	91.0	119	83.4	119	3,345	.68	78.6	[illegible]	86.3	72.03
		WINTER			10.0	[illegible]	[illegible]	3.983			72.6	[illegible]	36.2	31.403

ENERGY RECOVERY COIL SCHEDULE (CONT.)

UNIT NO.	SYSTEM	MODE	SUPPLY AIR CFM	MAX S.P.	SUPPLY AIR ENT AIR °F DB	SUPPLY AIR ENT AIR °F GR/LB	SUPPLY AIR LVG AIR °F DB	SUPPLY AIR LVG AIR °F GR/LB	EXHAUST AIR CFM	MAX S.P.	EXHAUST AIR ENT AIR °F DB	EXHAUST AIR ENT AIR °F GR/LB	EXHAUST AIR LVG AIR °F DB	EXHAUST AIR LVG AIR °F GR/LB
500-ERC 35	NOT USED	SUMMER	-----	----	---	---	---	---	---	---	---	---	---	---
		WINTER			---	---	---	---			---	---	---	---
500-ERC 36	1-P-O	SUMMER	3,275	.59	91.0	119	83.4	119	3,275	.66	78.6	72.03	86.3	72.03
		WINTER			10.0	3.983	49.8	3.983			72.6	35.616	36.0	31.150
500-ERC 37	2-P-O	SUMMER	2,645	.54	98.0	119	79.7	119	2,645	.71	68.6	57.4	87.3	72.03
		WINTER			10.0	3.983	52.0	3.983			68.6	57.4	40.2	36.762
500-ERC 38	NOT USED	SUMMER	-----	---	---	---	---	---	---	---	---	---	---	---
		WINTER			---	---	---	---			---	---	---	---
500-ERC 39	1-O-U	SUMMER	5,315	.68	91.0	119	83.5	119	5,315	.75	78.6	72.03	86.2	72.03
		WINTER			10.0	3.983	48.8	3.983			72.6	35.616	36.6	31.910
500-ERC 40	2-O-U	SUMMER	3,550	.60	91.0	119	83.4	119	3,550	.67	78.6	72.03	86.3	72.03
		WINTER			10.0	3.983	49.7	3.983			72.6	35.616	36.1	31.277
500-ERC 41	1-R-V	SUMMER	3,220	.56	91.0	119	83.4	119	3,220	.64	78.6	72.03	86.3	72.03
		WINTER			10.0	3.983	50.0	3.983			72.6	35.616	35.9	31.026
500-ERC 42	1-S-W	SUMMER	2,675	.62	91.0	119	83.4	119	2,675	.69	78.6	72.03	86.3	72.03
		WINTER			10.0	3.983	49.5	3.983			72.6	35.616	36.2	31.403
500-ERC 43	1-T-T	SUMMER	3,400	.63	91.0	119	83.5	119	3,400	.70	78.6	72.03	86.2	72.03
		WINTER			10.0	3.983	49.4	3.983			72.6	35.616	36.3	31.530
500-ERC 44	2-T-T	SUMMER	2,835	.60	91.0	119	83.4	119	2,835	.67	78.6	72.03	86.3	72.03
		WINTER			10.0	3.983	49.7	3.983			72.6	35.616	36.1	31.277
500-ERC 45 (2)	0-U-N	SUMMER	12,460	1.12	91.0	119	83.0	119	12,460	1.27	78.6	72.03	86.7	72.03
		WINTER			10.0	3.983	52.1	3.983			72.6	35.616	34.6	29.695
500-ERC 46	1-U-N	SUMMER	3,075	.53	91.0	119	83.3	119	3,075	.60	78.6	72.03	86.4	72.03
		WINTER			10.0	3.983	50.0	3.983			72.6	35.616	35.6	30.660
500-ERC 47	2-U-N	SUMMER	3,215	.51	91.0	119	83.2	119	3,215	.58	78.6	72.03	86.5	72.03
		WINTER			10.0	3.983	50.9	3.983			72.6	35.616	35.4	30.415
500-ERC 48	4-V-D	SUMMER	6,490	.62	91.0	119	83.4	119	6,490	.69	78.6	72.03	86.3	72.03
		WINTER			10.0	3.983	49.5	3.983			72.6	35.616	36.2	31.403
500-ERC 49	1-W-A	SUMMER	4,100	.59	91.0	119	83.4	119	4,100	.66	78.6	72.03	86.3	72.03
		WINTER			10.0	3.983	49.8	3.983			72.6	35.616	36.0	31.150
500-ERC 50	0-Y-K-1	SUMMER	4,365	.66	91.0	119	83.5	119	4,365	.73	78.6	72.03	86.2	72.03
		WINTER			10.0	3.983	49.0	3.983			72.6	35.616	36.5	31.764
500-ERC 51	0-Y-K-2	SUMMER	5,815	.63	91.0	119	83.5	119	5,815	.70	78.6	72.03	86.2	72.03
		WINTER			10.0	3.983	49.4	3.983			72.6	35.616	36.3	31.530
500-ERC 52	NOT USED	SUMMER	----	---	---	---	---	---	----	---	---	---	---	---
		WINTER			---	---	---	---			---	---	---	---
500-ERC 53	NOT USED	SUMMER	---	---	---	---	---	---	----	---	---	---	---	---
		WINTER			---	---	---	---			---	---	---	---

NOTE 1: ALL COILS SHALL BE BASED ON 6 FPW/14 FINS PER INCH CONFIGURATION.
2: UNITS NOTED 2 SHALL HAVE 1 INCH TUBES - ALL UNITS NOT NOTED SHALL HAVE 5/8 INCH TUBES.

COMMONWEALTH OF VIRGINIA
PROFESSIONAL ENGINEER
No. 1921