

HEATING COIL PERFORMANCE SCHEDULE

TAG	OUTPUT (MBH)	SIZE (LxHxT)	FLOW RATE (GPM)	W/P.D. (FT/IN)	WATER VELOCITY (FPS)	E.W.T. (°F)	L.W.T. (°F)	ROUS	TURBS (Y/N)	HTG. AIR FLOW (CFM)	A.P.D. (INWG)	E.A.T. (°F)	L.A.T. (°F)	FIN TYPE	FFF	BASIS OF DESIGN = TRANE		
																MODEL	VALVE	SERVICE
HC-1	22.9	18x12	15	14	16	180.0	149.3	1	Y	750	0.07	45.0	73.2	FF-H	80	T	V-2	ERV-1
HC-2	18.4	16x12	10	0.8	11	180.0	143.2	1	Y	600	0.06	45.0	73.2	FF-H	80	T	V-2	ERV-2
HC-3	13.9	12x12	10	0.7	11	180.0	132.2	1	Y	425	0.05	45.0	73.1	FF-H	80	T	V-2	ERV-3

FINTUBE PERFORMANCE SCHEDULE

HEATING PERFORMANCE BASED ON 180°F AVERAGE WATER TEMP. & 60°F ENTERING AIR TEMPERATURE

TAG	OUTPUT (MBH/FT)	FLOW RATE (GPM)	MOUNT'G. HEIGHT (IN)	ENCLOSURE HEIGHT (IN)	ELEMENT LENGTH (FT)	ENCLOSURE LENGTH (FT)	BASIS OF DESIGN = STERLING			
							TUBE SIZE (IN)	FINS/FOOT	VALVE	MODEL
FTR-1	0.80	2.0	0	9-13/16"	*	**	3/4"	55	V-1	SENIOR
FTR-2	0.41	2.0	0	6-7/16"	*	**	3/4"	55	V-1	DESIGN-LINE

* - ELEMENT LENGTH SHALL BE AS REQUIRED TO MEET LOAD INDICATED ON DRAWINGS.
 ** - ENCLOSURE LENGTH SHALL BE ELEMENT LENGTH PLUS 12" OR WALL TO WALL.

AIR SEPARATOR PERFORMANCE SCHEDULE

TAG	FLOW RATE (GPM)	W/P.D. (PSI)	CV FACTOR	STRAINER (Y) OR (N)	MAX. WORK'G. TEMPERATURE (DEGREES F)	MAX. WORK'G. PRESSURE (PSI)	BASIS OF DESIGN = TACO		
							SERVICE	PIPE SIZE (IN)	MODEL
AS-1	100	15	-	N	270	125	HU5/R	3"	4903AD

LOUVER PERFORMANCE SCHEDULE

TAG	AIR FLOW (CFM)	SP LOSS (INWG)	AIR VEL. (FPM)	SIZE (INCHES)	FREE AREA (SQFT)	DRAINABLE (Y) OR (N)	BLADE ANGLE & FRAME DEPTH	BASIS OF DESIGN = RUSKIN	
								SERVICE	MODEL
L-1	500	0.10	-	42x21	4.0	Y	35°, 6"	BOILER RM VENTILATION	ELF63T5DX
L-2	425	0.05	-	5x18	4.0	Y	35°, 6"	ERV EXHAUST	ELF63T5DX
L-3	425	0.05	-	5x18	4.0	Y	35°, 6"	ERV INTAKE	ELF63T5DX
L-4	1350	0.05	-	50x24	4.0	Y	35°, 6"	ERV EXHAUST	ELF63T5DX
L-5	1450	0.05	-	50x24	4.0	Y	35°, 6"	ERV INTAKE	ELF63T5DX

LOUVERS SHALL BE SAME WIDTH AS THE WINDOW BEING REMOVED, HEIGHT AS NOTED, COORDINATE W/ ARCHITECT.

ENERGY RECOVERY VENTILATOR PERFORMANCE SCHEDULE

* AT ARI. STANDARD CONDITIONS.

SOUND POWER (dB RE 10⁻¹² WATTS) OCTAVE BAND & CENTER FREQUENCY (HZ)

TAG	FAN	DRIVE	AIRFLOW (CFM)	T.S.P. (INWG)	E.S.P. (INWG)	RPM	ELECTRICAL REQUIREMENTS					TAG HEAT RECOV.	E.E.R. (BTU/H WATT)	WT (LBS)	BASIS OF DESIGN = GREENHECK		SOUND POWER (dB RE 10 ⁻¹² WATTS) OCTAVE BAND & CENTER FREQUENCY (HZ)							
							HP	BHP	MCA	MOCP	V/PH/Hz				SERVICE	MODEL	1	2	3	4	5	6	7	8
ERV-1	SUPPLY	BELT	750	0.5	0.5	1429	1/3	-	18.3	25.0	120/160	ERV-1	-	250	VENTILATION	MINIV-750	71	76	62	55	50	47	40	35
	EXHAUST	BELT	750	0.5	0.5	1429	1/3	-	18.3	25.0	120/160	ERV-1	-	250	VENTILATION	MINIV-750	71	76	62	55	50	47	40	35
ERV-2	SUPPLY	BELT	600	0.5	0.5	1204	1/3	-	18.3	25.0	120/160	ERV-2	-	250	VENTILATION	MINIV-750	74	76	62	54	50	47	43	38
	EXHAUST	BELT	600	0.5	0.5	1204	1/3	-	18.3	25.0	120/160	ERV-2	-	250	VENTILATION	MINIV-750	74	76	62	54	50	47	43	38
ERV-3	SUPPLY	BELT	425	0.5	0.5	919	1/3	-	18.3	25.0	120/160	ERV-3	-	250	VENTILATION	MINIV-750	75	73	62	46	52	50	47	44
	EXHAUST	BELT	425	0.5	0.5	919	1/3	-	18.3	25.0	120/160	ERV-3	-	250	VENTILATION	MINIV-750	75	73	62	46	52	50	47	44

ENERGY RECOVERY WHEEL PERFORMANCE SCHEDULE

BASIS OF DESIGN = GREENHECK

TAG	AIR STREAM	AIRFLOW (CFM)	S.P. (INWG)	WINTER OPERATION					RPM	EFF. (%)	SUMMER OPERATION					WEIGHT (LBS)	TAG A/H	
				E.D.B. (°F)	E.W.B. (°F)	L.D.B. (°F)	L.W.B. (°F)	R.H. (%)			E.D.B. (°F)	E.W.B. (°F)	L.D.B. (°F)	L.W.B. (°F)	R.H. (%)			
ERW-1	OUTSIDE AIR	750	-	-11.0	-11.9	47.8	38.1	-	-	12.5	86.0	74.0	18.0	66.9	-	12.5	-	ERV-1
	EXHAUST AIR	750	-	-10.0	-	11.2	10.1	25.0	-	12.5	75.0	-	83.0	71.5	55.0	-	12.5	-
ERW-2	OUTSIDE AIR	750	-	-11.0	-11.9	50.6	40.5	-	-	16.0	86.0	74.0	11.6	66.6	-	16.0	-	ERV-2
	EXHAUST AIR	750	-	-10.0	-	8.4	8.1	25.0	-	16.0	75.0	-	83.4	71.8	55.0	-	16.0	-
ERW-3	OUTSIDE AIR	425	-	-11.0	-11.9	53.7	42.4	-	-	19.9	86.0	74.0	11.2	66.2	-	19.9	-	ERV-3
	EXHAUST AIR	425	-	-10.0	-	5.3	5.1	25.0	-	19.9	75.0	-	83.8	72.1	55.0	-	19.9	-

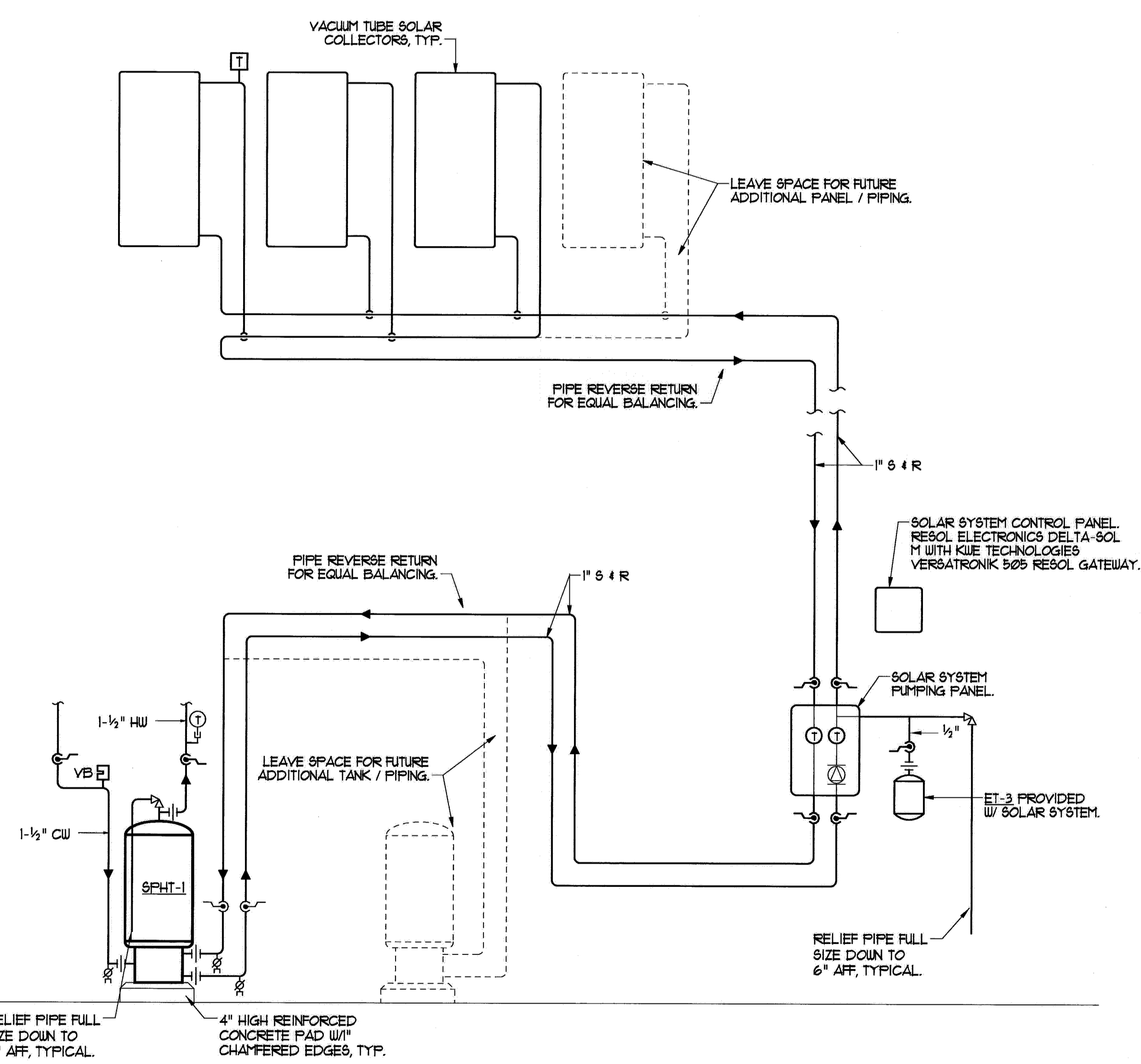
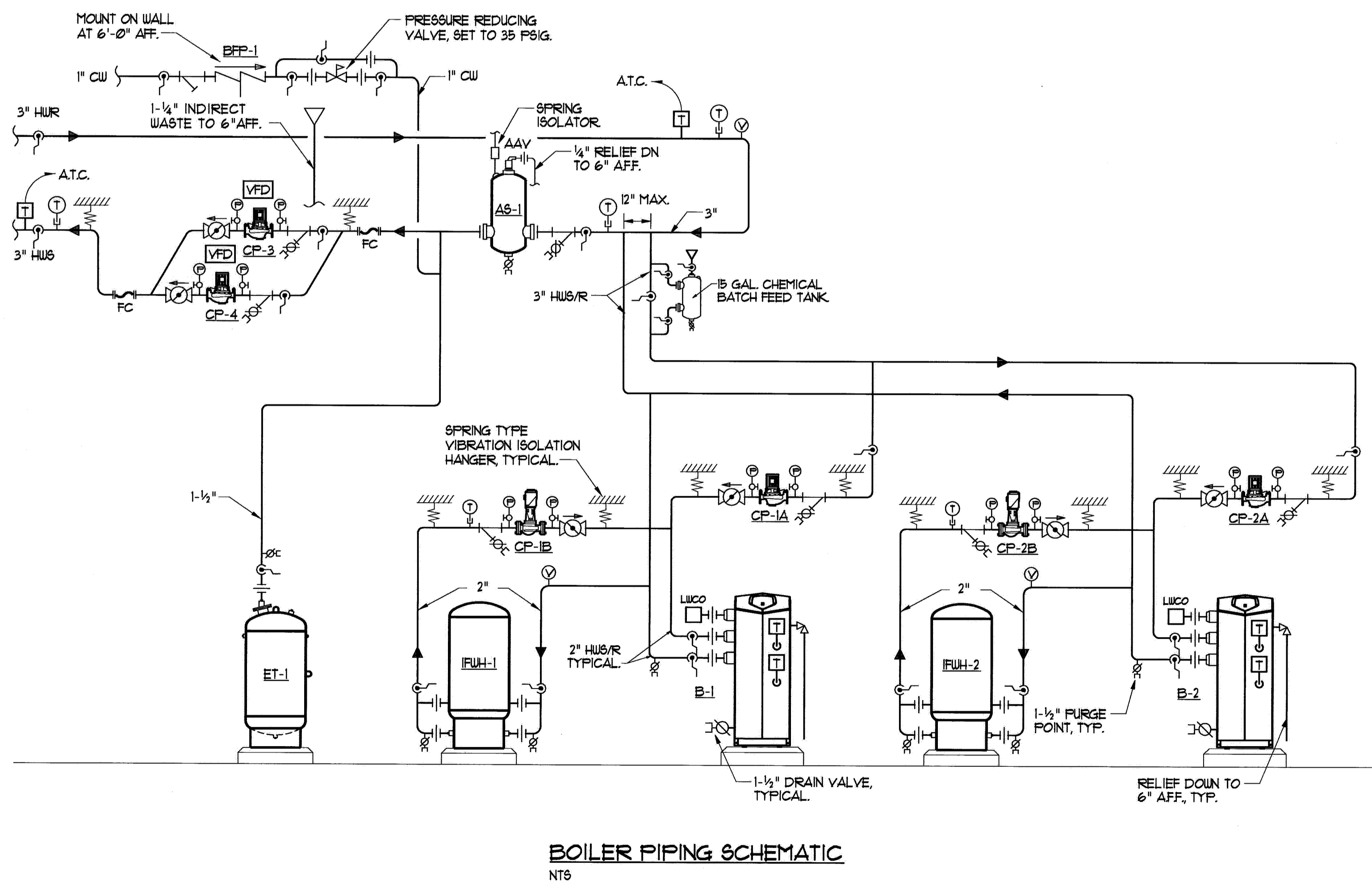
BFP PERFORMANCE SCHEDULE

TAG	SIZE	FLOW RATE (GPM)	W/P.D. (PSI)	MAX. WORK'G. TEMPERATURE (DEGREES F)	MAX. WORK'G. PRESSURE (PSI)	TESTABLE (Y) OR (N)	BASIS OF DESIGN = ZURN-WILKINS		
							BODY STYLE	SERVICE	MODEL
BFP-1	3/4"	200	120	180	175	Y	RPZ	BOILER FILL	915XL

WALL HEATER PERFORMANCE SCHEDULE

HEATING PERFORMANCE BASED ON 180°F ENTERING WATER & 60°F ENTERING AIR TEMPERATURE

TAG	OUTPUT (MBH)	FLOW RATE (GPM)	W/P.D. (FT/IN)	AIRFLOW (CFM)	ELECTRICAL REQUIREMENTS		BASIS OF DESIGN = BEACON MORRIS		
					AMPS	V/PH/Hz	VALVE	SERVICE	MODEL
WH-1	11.8	2.0	15	115	15	120/160	V-1	HEAT	W120



SOLAR DOMESTIC HOT WATER HEATING PIPING DIAGRAM
 NTS
 DEDUCT ALTERNATE #3, SEE SPECIFICATIONS SECTION 220000.

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Project No: 07429
 Drawing Title:
SHAILER MECHANICAL SCHEDULES & DETAILS
 Scale: 1/4" = 1'-0"
 Date: August 28, 2009
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