

HEATING COIL PERFORMANCE SCHEDULE																		
TAG	OUTPUT (MBH)	SIZE (LxHxI)	FLOW RATE (GPM)	W.P.D. (FT.WG)	WATER VELOCITY (FPS)	E.W.T. (°F)	L.W.T. (°F)	R.O.U.S.	TURBS (Y/N)	HTG. AIR FLOW (CFM)	A.P.D. (IN.WG)	E.A.T. (°F)	L.A.T. (°F)	FIN TYPE	FFF	BASIS OF DESIGN = TRANE		
																MODEL	VALVE	SERVICE
HC-1	22.9	18x12	15	1.4	1.6	180.0	149.3	1	Y	750	0.07	45.0	73.2	FF-H	00	T	V-2	ERV-1
HC-2	22.9	18x12	15	1.4	1.6	180.0	149.3	1	Y	750	0.07	45.0	73.2	FF-H	00	T	V-2	ERV-2

FINTUBE PERFORMANCE SCHEDULE										
HEATING PERFORMANCE BASED ON 180°F AVERAGE WATER TEMP. & 60°F ENTERING AIR TEMPERATURE										
TAG	OUTPUT (MBH/FT)	FLOW RATE (GPM)	MOUNTG. HEIGHT (IN)	ENCLOSURE HEIGHT (IN)	ELEMENT LENGTH (FT)	ENCLOSURE LENGTH (FT)	BASIS OF DESIGN = STERLING			
							TUBE SIZE (IN)	FINS/FOOT	VALVE TAG	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. (FT.WG)	CY FACTOR	STRAINER (Y) OR (N)	MAX. WORKG. TEMPERATURE (DEGREES F)	MAX. WORKG. PRESSURE (PSI)	BASIS OF DESIGN = TACO		
							SERVICE	PIPE SIZE (IN)	MODEL
AS-1	800	15	-	N	210	125	HUB/R	3"	4923AD

LOUVER PERFORMANCE SCHEDULE									
TAG	AIR FLOW (CFM)	SP LOSS (IN.WG)	AIR VEL. (FFM)	SIZE (INCHES)	FREE AREA (SQFT)	DRAINABLE (Y) OR (N)	BLADE ANGLE & FRAME DEPTH	BASIS OF DESIGN = RUSKIN	
								SERVICE	MODEL
L-1	500	0.10	-	48x21	4.41	Y	35°, 6"	BOILER R1 VENTILATION	ELF63T5DX
L-2	1500	0.10	-	48x21	4.41	Y	35°, 6"	ERV EXHAUST	ELF63T5DX
L-3	1500	0.10	-	48x21	4.41	Y	35°, 6"	ERV INTAKE	ELF63T5DX

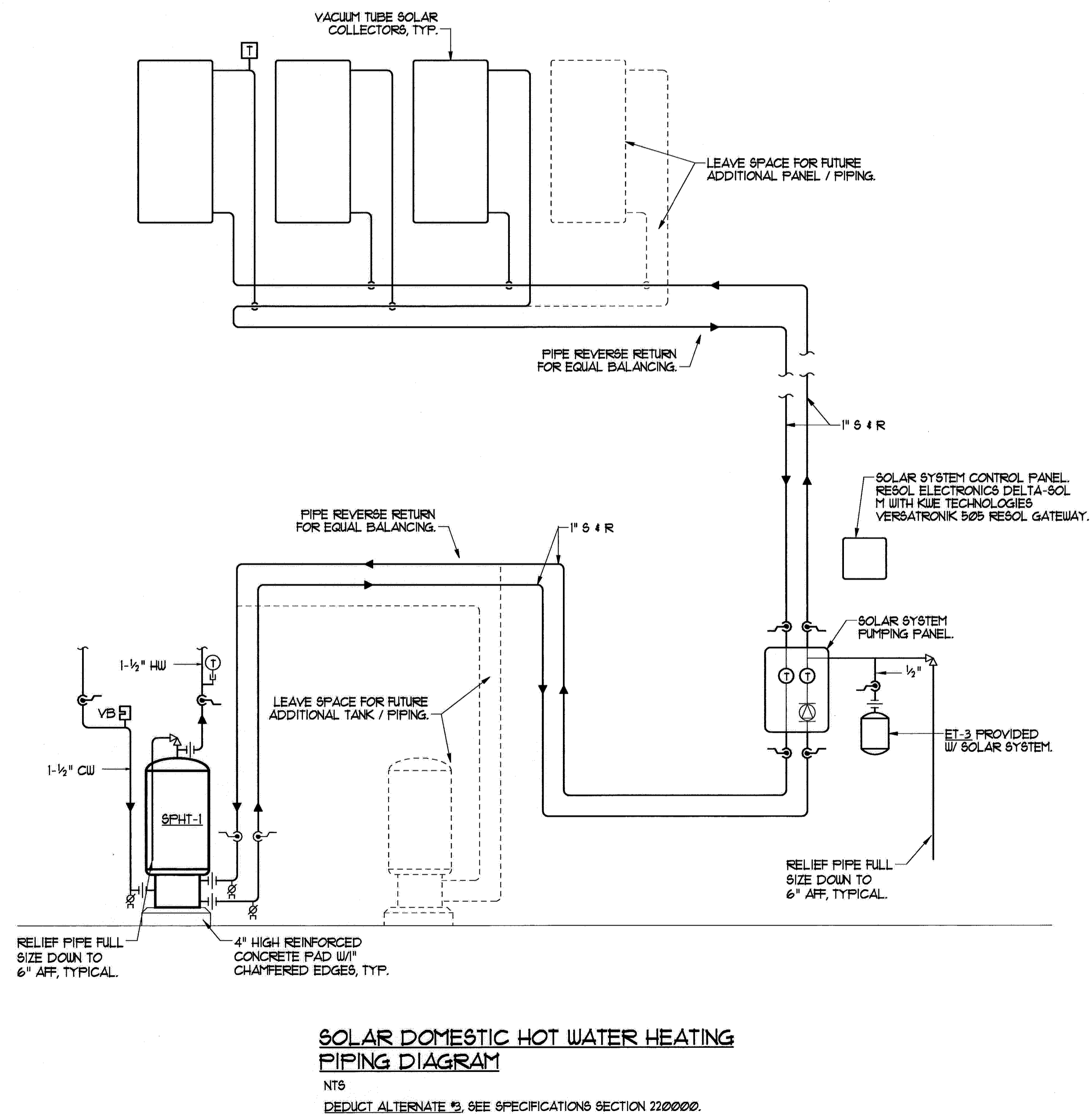
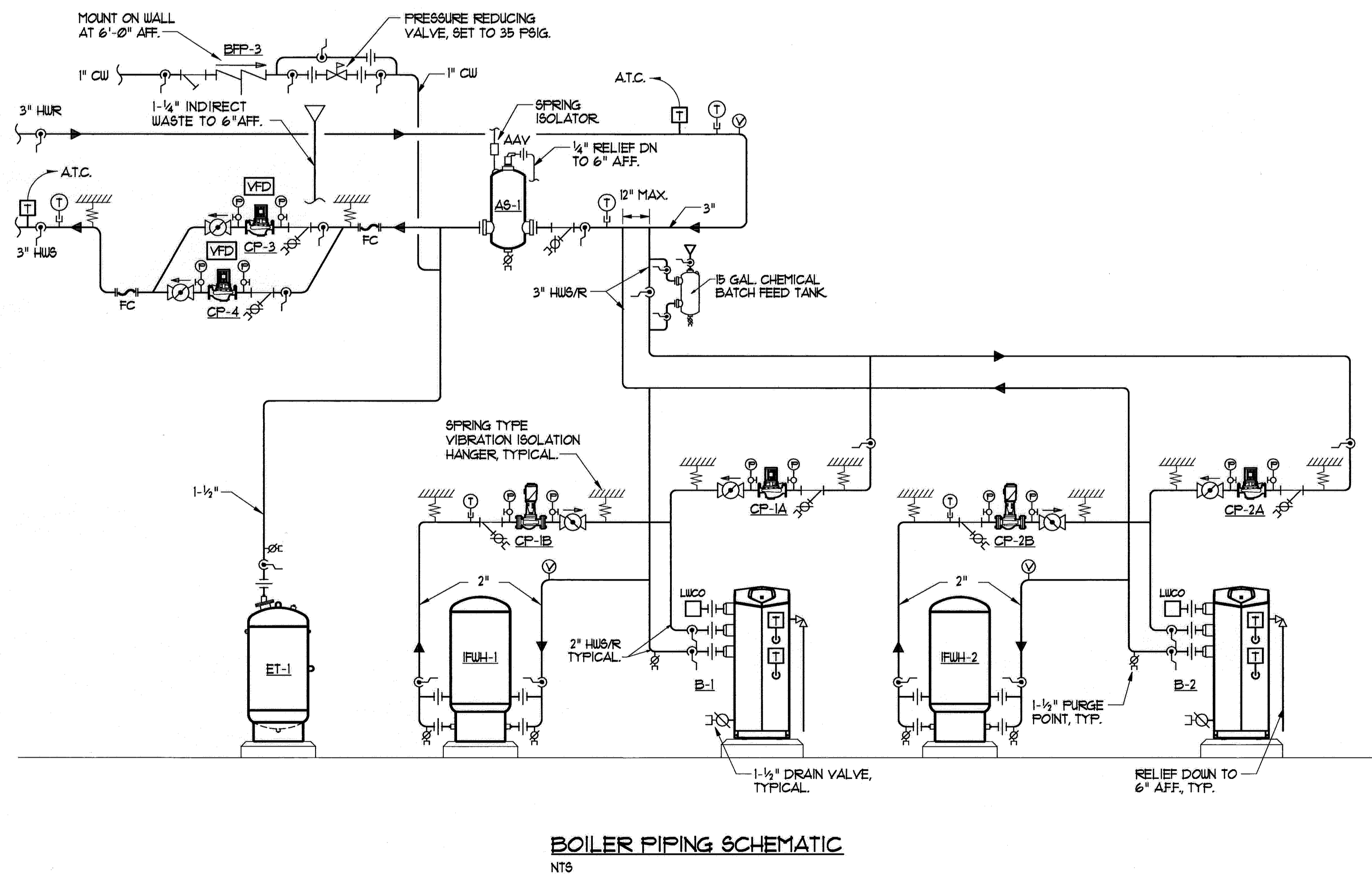
LOUVER SHALL BE SAME WIDTH & HALF THE HEIGHT OF THE WINDOW BEING REMOVED, COORDINATE W/ ARCHITECT.

ENERGY RECOVERY VENTILATOR PERFORMANCE SCHEDULE																								
* AT ARI. STANDARD CONDITIONS.																								
TAG	FAN	DRIVE	AIRFLOW (CFM)	T.S.P. (IN.WG)	E.S.P. (IN.WG)	RPM	ELECTRICAL REQUIREMENTS					TAG HEAT RECOV.	E.E.R. (BTUH/WATT)*	W.T. (LBS)	SOUND POWER (dB RE 10 ⁻¹² WATTS) OCTAVE BAND & CENTER FREQUENCY (HZ)									
							HP	BHP	MCA	MOCP	V/PH/Hz				BASIS OF DESIGN = GREENHECK		SERVICE		MODEL		1	2	3	4
ERV-1	SUPPLY	BELT	750	0.5	0.5	1429	1/3	-	18.3	25.0	120/1/60	ERV-1	-	250	VENTILATION	MINIV-750	71	76	62	55	50	41	40	35
	EXHAUST	BELT	750	0.5	0.5	1429	1/3	-	18.3	25.0	120/1/60	ERV-1	-	250	VENTILATION	MINIV-750	71	76	62	55	50	41	40	35
ERV-2	SUPPLY	BELT	750	0.5	0.5	1429	1/3	-	18.3	25.0	120/1/60	ERV-2	-	250	VENTILATION	MINIV-750	71	76	62	55	50	41	40	35
	EXHAUST	BELT	750	0.5	0.5	1429	1/3	-	18.3	25.0	120/1/60	ERV-2	-	250	VENTILATION	MINIV-750	71	76	62	55	50	41	40	35

ENERGY RECOVERY WHEEL PERFORMANCE SCHEDULE																		
BASIS OF DESIGN = GREENHECK																		
TAG	AIR STREAM	AIRFLOW (CFM)	S.P. (IN.WG)	WINTER OPERATION					SUMMER OPERATION					WEIGHT (LBS)	TAG A/J			
				E.D.B.(°F)	E.W.B.(°F)	L.D.B.(°F)	L.W.B.(°F)	RH.(%)	RPM	EFF.(%)	E.D.B.(°F)	E.W.B.(°F)	L.D.B.(°F)			L.W.B.(°F)	RH.(%)	RPM
ERW-1	OUTSIDE AIR	750	-	-11.0	-11.9	47.8	38.1	-	12.5	86.0	14.0	78.0	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	-	ERV-2
ERW-2	OUTSIDE AIR	750	-	-11.0	-11.9	47.8	38.1	-	12.5	86.0	14.0	78.0	66.9	-	-	12.5	-	ERV-2
	EXHAUST AIR	750	-	-10.0	-	11.2	10.1	25.0	12.5	75.0	-	83.0	71.5	55.0	-	12.5	-	ERV-2

BFP PERFORMANCE SCHEDULE									
TAG	SIZE	FLOW RATE (GPM)	W.P.D. (FT.WG)	MAX. WORKG. TEMPERATURE (DEGREES F)	MAX. WORKG. PRESSURE (PSI)	TESTABLE (Y) OR (N)	BASIS OF DESIGN = ZURN-WILKINS		
							BODY STYLE	SERVICE	MODEL
BFP-1	2"	1000	15.0	180	175	Y	RPZ	WATER ENTRANCE	975XL
BFP-2	2"	1000	15.0	180	175	Y	RPZ	WATER ENTRANCE	975XL
BFP-3	3/4"	200	12.0	180	175	Y	RPZ	BOILER FILL	975XL

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.WG)	AIRFLOW (CFM)	ELECTRICAL REQUIREMENTS			BASIS OF DESIGN = BEACON MORRIS		
					AMPS	V/PH/Hz	VALVE	SERVICE	MODEL	
WH-1	11.8	2.0	15	15	15	120/1/60	V-1	HEAT	W120	



CWS Architects
 Architecture
 Space Planning
 Value Design
 434 Cumberland Avenue
 Portland, ME 04101
 Phone: (207) 774-4441
 Fax: (207) 774-4016
 www.CWSarch.com

BENNETT ENGINEERING
 MECHANICAL - ELECTRICAL
 (207) 865-9475

STATE OF MAINE
 PROFESSIONAL ENGINEER
 No. 2807

Owner:
Avesta Munjoy Commons, LP.
 307 Cumberland Ave.
 Portland, Maine 04101
 TEL. 207-553-7780

Munjoy Commons Apartments
 Portland, Maine

Project No: 07429

Drawing Title:
EMERSON MECHANICAL SCHEDULES & DETAILS

Scale: 1/4" = 1'-0"
 Date: August 28, 2009

Revisions:

Drawing Number:
EMERSON M3.2