



Pipe Temp.	Line Type
CW	
HW	
Recirc	
Tempered	

	Ball Valve
	Check Valve
	Drain Valve
	Strainer
	Pump
	Temperature Switch
	Temperature Indicator
	Thermometer
	Backflow Preventer
	Balancing Valve Circuit Setter
	T&P Relief Valve
	Floor Drain

- NOTES:
- FOR ACTUAL SIZES AND LOCATIONS OF PIPING AND OTHER CONNECTIONS TO THE HEATER, SEE DIMENSIONAL DRAWING.
 - THIS IS A TYPICAL INSTALLATION DRAWING. LOCAL CODES AND AUTHORITIES SHOULD BE CONSULTED.
 - IF PERMITTED BY LOCAL CODES, A CHECK VALVE MAY BE USED IN PLACE OF A BACKFLOW PREVENTER.
 - STRAINER ON WATER HEATER INLET MUST USE FINER MESH THAN STRAINERS ON COLD WATER MAIN.
 - PIPE T&P VALVE TO WITHIN 6" OF DRAIN WITH NO SHUTOFF VALVES OR RESTRICTION IN THE LINE; OR PER LOCAL CODE REQUIREMENTS. CONDENSATE DRAIN LINE WITH NEUTRALIZER PIPED TO FLOOR DRAIN NOT SHOWN. DUPLICATE REQUIRED PIPING FOR HEATER(S) AND STORAGE TANK(S).
 - MOUNT TEMPERATURE SWITCH 1/3 UP FROM THE BOTTOM OF THE TANK, SWITCH WILL TURN PUMP ON AND OFF. TANK HEIGHT TO DIA RATIO: 2:1 MIN, 3:1 PREFERRED. STORAGE TANK MUST INCLUDE EITHER AN INLET DISPERSION TUBE OR INLET BAFFLE TO ENSURE STRATIFICATION. WHEN REQUIRED BY LOCAL CODES, A VACUUM BREAKER MUST BE INSTALLED WITH THE STORAGE TANK. CONSULT LOCAL CODES FOR PROPER TYPE OF CONNECTIONS TO STORAGE TANK.
 - CIRCULATOR PUMP(S) CAPACITY SHOULD BE SIZED FOR THE VOLUME OF THE EXTERNAL STORAGE TURNED OVER AT LEAST 2 TIMES PER HOUR.
 - RECIRC PUMP SELECTION BY PLUMBING ENGINEER. MINIMUM REQUIRED FLOW VARIES BY DIGITEMP MODEL.
 - N.C. BYPASS PIPING ALLOWS HEATER TO CONTINUE OPERATION WITH THE STORAGE TANK REMOVED FROM THE SYSTEM.
 - REFER TO VALVE MANUFACTURER PIPING INSTRUCTIONS.
 - DO NOT EXCEED 160° F STORED WATER TEMPERATURE IN THE SIDEARM TANK.
 - ENSURE ALL PIPE DIAMETERS ARE SIZED ADEQUATELY TO HANDLE THE FLOW VOLUME (GPM) AT A MAXIMUM WATER VELOCITY OF 6 FEET PER SECOND.
 - DURING INITIAL STARTUP OF THE HEATER AND TANK, THE HEATER MAY CYCLE OCCASIONALLY.
 - ALL (*) COMPONENTS ARE OPTIONAL FOR INSTALLATION UNLESS OTHERWISE STATED PER LOCAL CODE REQUIREMENTS.
 - THE FOLLOWING COMPONENTS SHALL BE FIELD SOURCED: CHECK VALVES, STRAINERS, BALL VALVES, BALANCING VALVES, PUMPS, TEMPERATURE SENSORS, EXPANSION TANK, BACKFLOW PREVENTER.
 - HEATERS SHOULD BE PIPED REVERSE RETURN AS SHOWN OR BALANCING DEVICES ON THE OUTLETS OF THE HEATERS SHOULD BE EMPLOYED.
 - DRAWING SHOWS N-NUMBER OF STORAGE TANKS, PLUMBING SHOULD BE REPLICATED AS SHOWN FOR ALL STORAGE TANKS.

		PVI INDUSTRIES FORT WORTH, TEXAS	
TURBOPOWER – 2 UNITS, MULTI SIDEARM STORAGE TANKS			
DRWN BY. AMD	DATE 010524	DWG. NO: SD-P-1339	REV. A
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