



LEGEND

	STRAINER
	STOP VALVE
	CHECK VALVE
	CONTROL VALVE
	RELIEF VALVE
	DRAIN VALVE
	UNION
	THERMAL ELEMENT
	PRESSURE GAUGE
	TEMPERATURE GAUGE
	COMPOUND PRESSURE GAUGE
	STEAM TRAP
	BALANCING COCK
	FLOW INDICATOR
	PUMP

NOTES:

- 1) FOR ACTUAL SIZES AND LOCATIONS OF PIPING AND OTHER CONNECTIONS TO THE HEATER, SEE DIMENSIONAL DRAWING.
- 2) PIPING TO THE UPPER HEATER HEAD SHOULD BE PROVIDED WITH UNIONS OR FLANGES WHICH ARE LOCATED BEYOND THE OUTSIDE DIAMETER OF THE HEAD TO PERMIT REMOVAL OF THE HEAD AND SHELL.
- 3) REDUCERS, ON THE WATER INLET SIDE, SHOULD BE LOCATED ADJACENT TO THE HEATER. EXPANSION FITTINGS, ON THE WATER INLET SIDE, SHOULD BE LOCATED AS FAR AS POSSIBLE FROM THE HEATER.
- 4) CONDENSATE DISCHARGE PIPING FROM HEATER AND STEAM TRAPS MUST BE ARRANGED TO PERMIT THE CONDENSATE TO DRAIN FREELY BY GRAVITY/DOWNHILL TO ATMOSPHERE OR VENTED RECEIVER. DO NOT DRAIN TO CONDENSATE RETURN SYSTEM OR ANY SYSTEM THAT WILL CAUSE LIFT/BACKPRESSURE.
- 5) DRAIN VALVE SHOULD BE PIPED DIRECTLY TO A FLOOR DRAIN. RELIEF VALVE & OVER-TEMP SOLENOID VALVE SHOULD BE PIPED VERTICALLY TO A HEIGHT 19" ABOVE THE FLOOR.
- 6) MOUNT TEMPERATURE SWITCH 1/3 UP FROM THE BOTTOM OF THE TANK, SWITCH WILL TURN PUMP ON AND OFF.
- 7) SIZE TO MATCH HEATER CAPACITY.

STRATIFIED HOT WATER STORAGE TANK

TANK HEIGHT TO DIA. RATIO: 2:1 MIN., 3:1 PREFERRED

AERCO INTERNATIONAL, INC.
NORTHVALE, NJ 07647

SWDW (DOUBLE WALL DESIGN)
STEAM TO WATER HEAT EXCHANGER
SINGLE UNIT WITH STRATIFIED TANK

DWN.BY SCD DATE 032999
SCALE NTS
APPD. *** DATE *****

SD-A-371

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