



**LEGEND**

	STRAINER
	STOP VALVE
	CHECK VALVE
	CONTROL VALVE
	RELIEF VALVE
	DRAIN VALVE
	UNION
	UNION ORIFICE
	THERMAL ELEMENT
	PRESSURE GAUGE
	TEMPERATURE GAUGE
	COMPOUND PRESSURE GAUGE
	OVER-TEMP SOLENOID
	BALANCING COCK
	STEAM TRAP
	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) THE CONTROL VALVE SHOULD BE LOCATED 6" TO 12" ABOVE THE LOWER HEAD FLANGE. THE PIPING BETWEEN THE VALVE AND HEATER CONNECTION SHOULD BE AS SHORT AS POSSIBLE.
- 4) 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.
- 5) CONDENSATE RETURN PIPING SHOULD BE ARRANGED TO PERMIT THE CONDENSATE TO DRAIN FREELY, BY GRAVITY, FROM THE LOWER HEATER HEAD.
- 6) 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.
- 7) HEATERS SHOULD BE PIPED REVERSE RETURN OR BALANCING DEVICES ON THE OUTLETS SHOULD BE EMPLOYED.

**AERCO INTERNATIONAL, INC.**  
 NORTHVALE, NJ 07647

SW1A+, SW1B+, OR B+ WATER WIZARD  
 STEAM TO WATER HEAT EXCHANGER  
 MULTIPLE UNITS WITH ACCUMULATOR

DWN. BY <u>SCD</u> DATE <u>120198</u>	SD-A-444	REV.
SCALE <u>NTS</u>		D
APPD. <u>MPC</u> DATE <u>122298</u>		