


- ① COMBINATION TEMPERATURE AND PRESSURE GAUGE – INSTALL WITHIN 12" OF HOT WATER OUTLET.
- ② ASME THERMAL EXPANSION TANK – SIZE ACCORDING TO MANUFACTURER'S RECOMMENDATION. DELETE IF THERE IS NO CHECK VALVE OR BACKFLOW PREVENTER BETWEEN WATER HEATER AND WATER SOURCE TO BUILDING.
- ③ PRESSURE REDUCING VALVE – INSTALL ONLY IF WATER SUPPLY PRESSURE EXCEEDS 75% OF WATER HEATING SYSTEM DESIGN PRESSURE.
- ④ ROUTE T&P RELIEF VALVE DISCHARGE FULL SIZE TO FLOOR DRAIN.
- ⑤ PROVIDE FULL-PORT DRAIN VALVE AND ROUTE TO FLOOR DRAIN.
- ⑥ RECIRCULATION PUMP. PROVIDE AQUASTAT ONLY IF REQUIRED BY CODE WITH LETTER TO OWNER REQUIRING RELEASE OF LIABILITY (NON-MOVING WATER PROMOTES LEGIONELLA).
- ⑦ THERMOSTATIC MIXING VALVE (TMV) TO BE FACTORY SUPPLIED, PIPING CONNECTIONS AND COMPONENTS AS DETAILED ABOVE. TMV TO INCLUDE INTEGRAL CHECK VALVES ON HOT AND COLD INLETS.

	RAND ASSOCIATES INCORPORATED		
	SINGLE WATER HEATER RECIRCULATING RETURN TRIPLE TEMPERATURE		
PIPING DIAGRAM	Size: A	FSCM No: -	Version: 1
	Drawing No: DHW5	Date: 01.14.14	Sheet: 1 of 1
	Drawn By: BLW	Scale: NONE	