


## GENERAL NOTES

1. ADD ISOLATION VALVES AND UNIONS AS NEEDED.
2. LEAD-FREE CONSTRUCTION THROUGHOUT.

## KEYED NOTES

- 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 DIGITAL MIXING VALVE, PIPING CONNECTIONS AND COMPONENTS AS DETAILED ABOVE.
- ⑧ STRAINER, TYPICAL.
- ⑨ CHECK VALVE, TYPICAL.

	<b>RAND ASSOCIATES INCORPORATED</b>		
	SINGLE CONQUEST WATER HEATER RECIRCULATING RETURN DUAL TEMPERATURE, W/DMV		
<b>PIPING DIAGRAM</b>	Size: <b>A</b>	FSCM No: <b>-</b>	Version: <b>1</b>
	Drawn By: <b>BLW</b>	Scale: <b>NONE</b>	Date: <b>03.24.14</b> Sheet: <b>1 of 1</b>