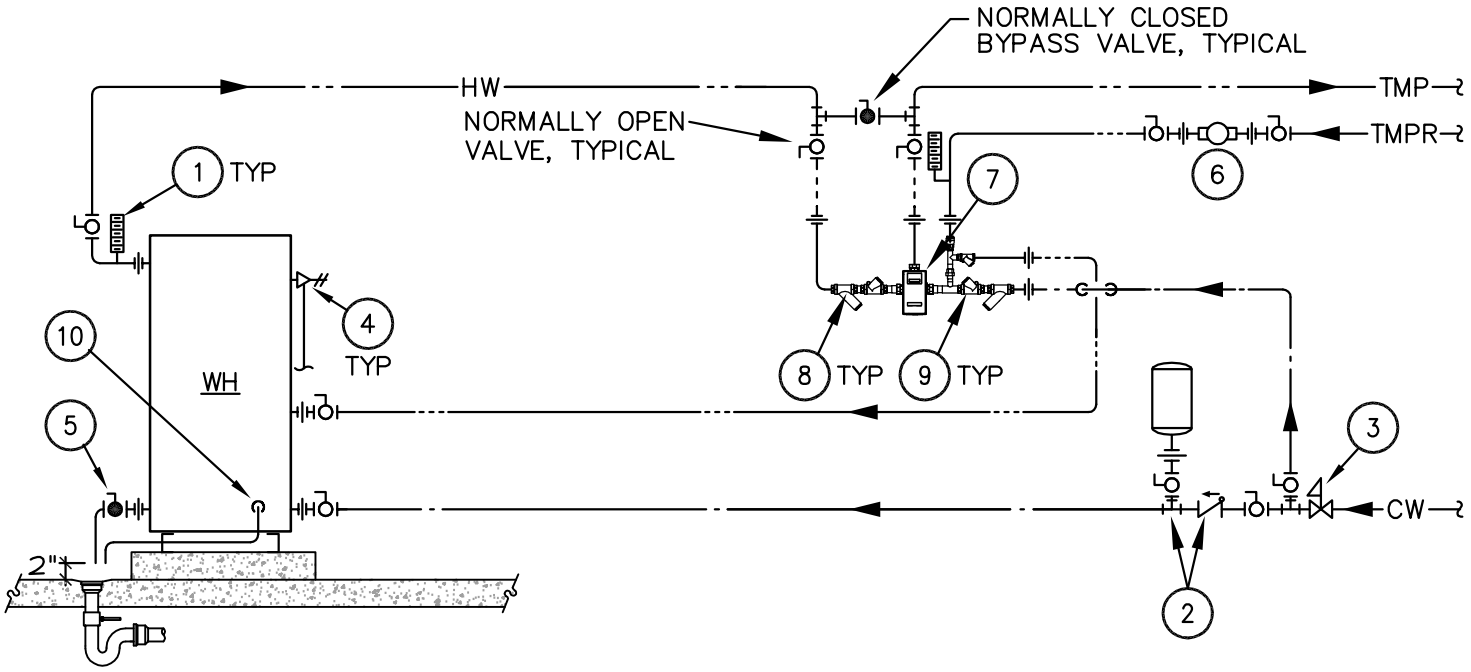

GENERAL NOTES

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.

(10) CONDENSATE DRAIN.

	RAND ASSOCIATES INCORPORATED
PIPING DIAGRAM	SINGLE CONQUEST WATER HEATER RECIRCULATING RETURN SINGLE TEMPERATURE
Size: A	FSCM No: –
Drawing No:	DHW03
Version:	1
Drawn By:	BLW
Scale:	NONE
Date:	03.24.14
Sheet:	1 of 1