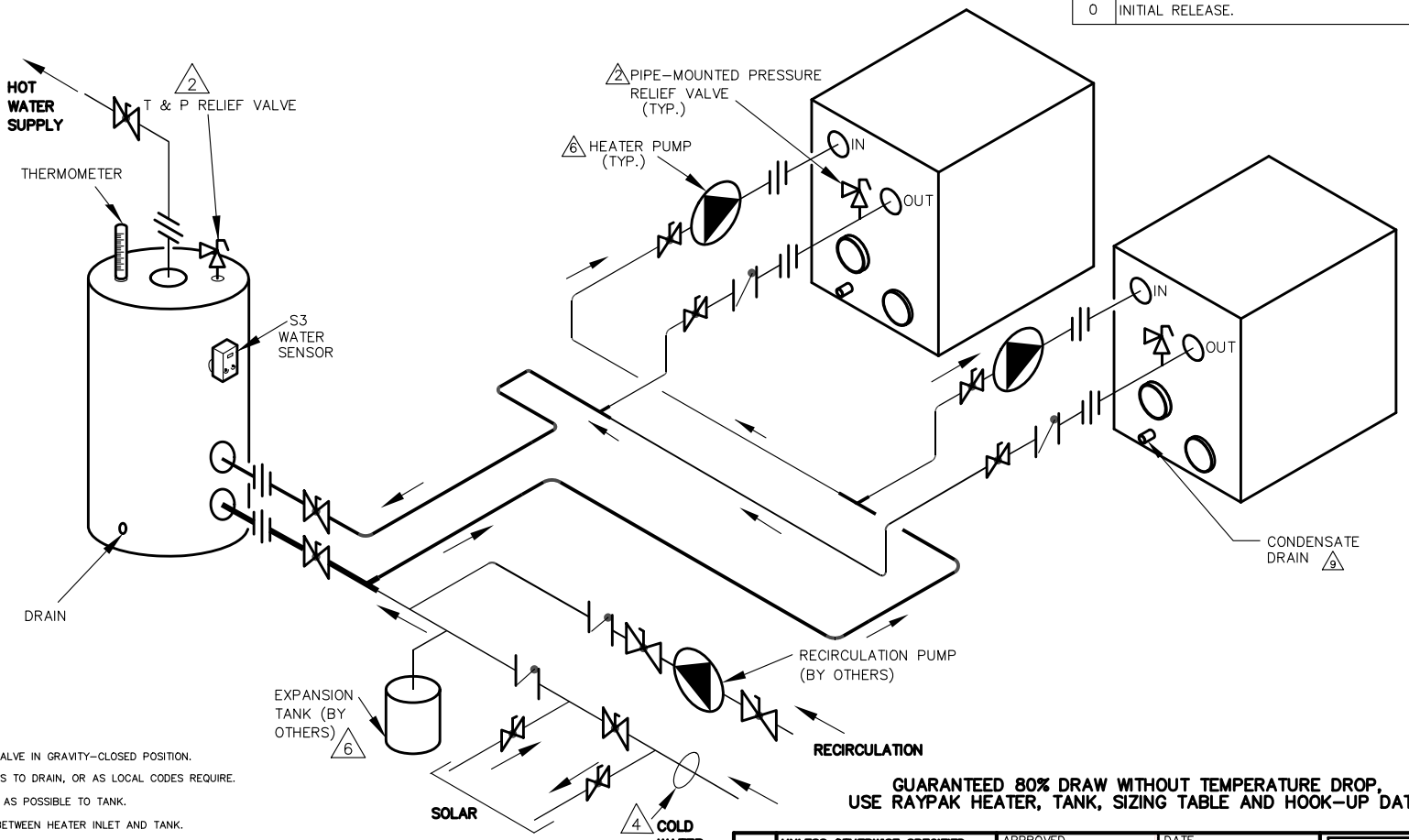
| 8958 | 0 |
|---|---|

| PIPE SIZES | |
|---|---|
| SIZE | UNIT |
| 300B–800B | 2 |
| 1000B | 2–1/2 |

△5 **THIS PIPING DIAGRAM IS RAYPAK'S RECOMMENDATION AND IS NOT INTENDED TO REPLACE AN ENGINEERED PIPING SYSTEM DESIGNED BY A PROFESSIONAL ENGINEER.**

| REVISIONS | | | | | |
|---|---|---|---|---|---|
| REV | DESCRIPTION | E.O. | BY | DATE | CHECK |
| 0 | INITIAL RELEASE. | | DCF | 12–19–23 | |

David R Baldwin Digitally signed by David R Baldwin Date: 2024.01.16 16:36:57 -08'00'




**GUARANTEED 80% DRAW WITHOUT TEMPERATURE DROP, USE RAYPAK HEATER, TANK, SIZING TABLE AND HOOK–UP DATA**

KEY
- PRESSURE RELIEF VALVE
- PUMP
- UNION
- CHECK VALVE
- BALL VALVE
- THERMOMETER

NOTES:
1. PLUMB SWING CHECK VALVE IN GRAVITY–CLOSED POSITION.
△2 PIPE ALL RELIEF VALVES TO DRAIN, OR AS LOCAL CODES REQUIRE.
3. LOCATE TEE AS CLOSE AS POSSIBLE TO TANK.
△4 INSTALL COLD WATER BETWEEN HEATER INLET AND TANK.
△5 SEE CHART "PIPE SIZES" FOR PIPE SIZES, CALCULATED AT MAXIMUM FLOW, NOT TO EXCEED 7.5 FT/SEC.
△6 PROVIDE FOR THERMAL EXPANSION OF HOT WATER IF A BACKFLOW PREVENTER, CHECK VALVE, WATER METER OR PRESSURE–REDUCING VALVE IS INSTALLED IN THE COLD WATER LINE.
**7. IF HOT WATER SETPOINT EXCEEDS 160F WITH MAX FLOW, SPECIFY "H" BOILERS INSTEAD OF "WH" WATER HEATERS.**
8. STANDARD PUMP SIZING BASED ON 100 EQUIVALENT FEET OF PIPING. IF DISTANCE IS GREATER, THE PUMP MUST BE SIZED TO ACCOMMODATE INCREASE IN PIPING–RELATED LOSSES.
△9 CONDENSATE MUST BE PIPED TO AN APPROVED DRAIN. LOCAL CODE MAY REQUIRE PH TREATMENT PRIOR TO DRAIN.

ACAD: 8958. DWG

HEATER SHOWN REPRESENTS VARIOUS MODELS. BECAUSE INDIVIDUAL MODELS WILL VARY IN DESIGN AND SIZING, SEE EACH SPECIFIC HEATER TYPE FOR DETAILS.

8958 0

**UNLESS OTHERWISE SPECIFIED:**
ALL UNITS ARE IN INCHES
FRACTIONS ±1/32 ANGLES ±1°
X. = ±.12 X.X = ±.06
X.XX = ±.03 X.XXX = ±.010
DRAFT___ WALL___ RADII___
CONCENTRICITIES .020 DIA.
SQUARENESS .015 IN./IN.
BREAK EDGES .015 MAX.
SURFACE FINISH PER ASME Y14.36M–1996

| APPROVED | DATE |
|---|---|
| Steve Thurlkill Digitally signed by Steve Thurlkill Date: 2024.01.16 16:12:19 -08'00' | |
| CHECKED | DATE |
| DRAWN: D. FERGUSON | DATE: 12–19–2023 |

Raypak OXNARD, CALIFORNIA

E.O.: SPR | SCALE: NONE

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TITLE: PIPING, UNI–TEMP 80: 2 XFIIRE, 1 V TANK ALT

| MAT'L. | SERIES/MODEL | SIZE | DWG. NO. | REV |
|---|---|---|---|---|
| | WH | B | 8958 | 0 |