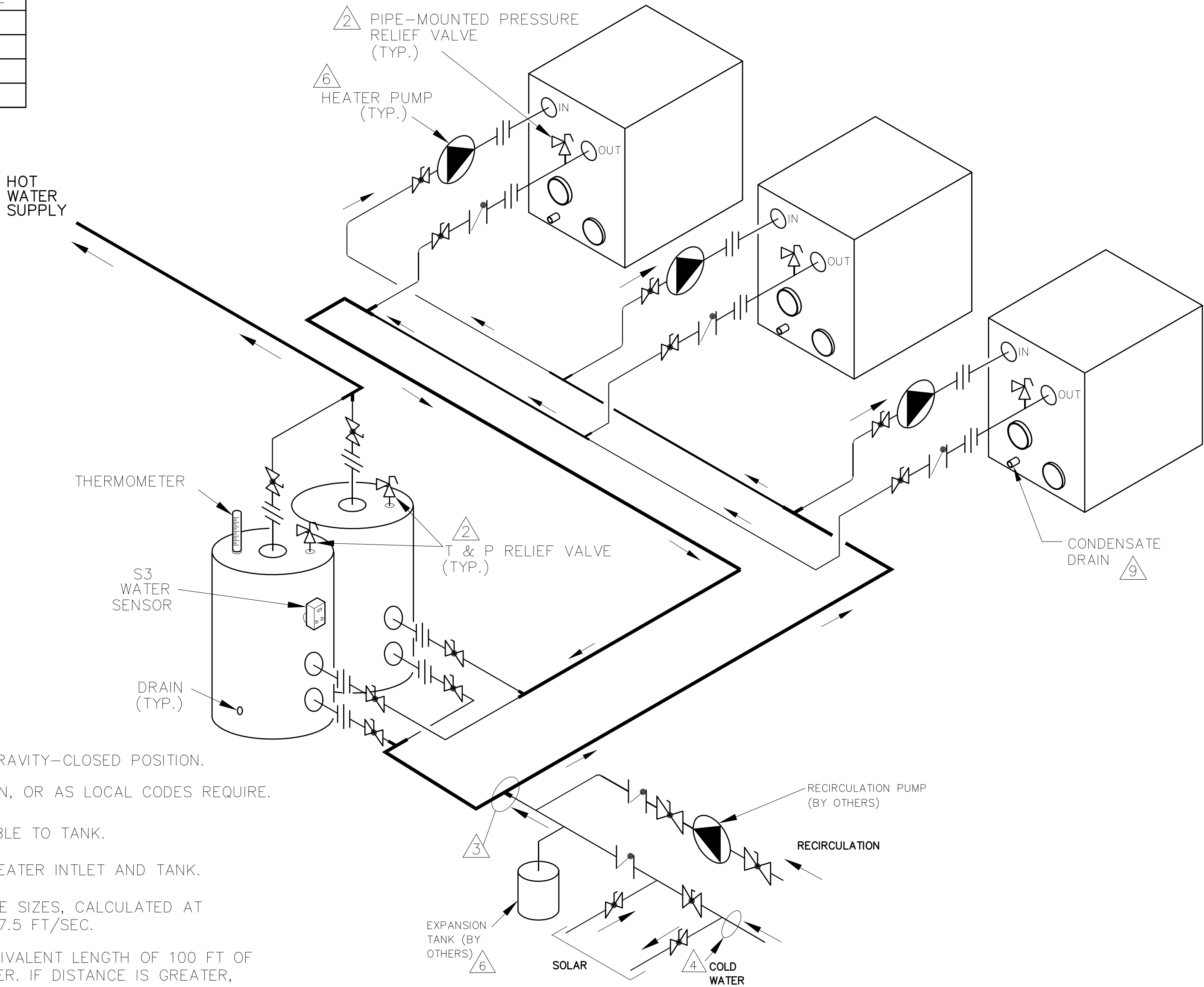


PIPE SIZES			
XFIIRE	UNIT	2 UNITS	3 UNITS
300B	2	2	2-1/2
400B	2	2-1/2	3
500B	2	2-1/2	4
650B-800B	2	3	4
1000B	2-1/2	4	4




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

REVISIONS					
REV	ZONE	DESCRIPTION	E.O.	BY	DATE
0		INITIAL RELEASE.		DCF	12-28-23



- 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 INTLET AND TANK.
  5. SEE CHART "PIPE SIZES" FOR PIPE SIZES, CALCULATED AT MAXIMUM FLOW, NOT TO EXCEED 7.5 FT/SEC.
  6. PUMP SIZING BASED ON MAX EQUIVALENT LENGTH OF 100 FT OF PIPING BETWEEN TANK AND HEATER. IF DISTANCE IS GREATER, THE PUMP MUST BE SIZED TO ACCOMMODATE INCREASE IN PIPING-RELATED LOSSES.
  7. 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.
  8. IF HOT WATER SETPOINT EXCEEDS 160°F WITH MAX FLOW, SPECIFY TYPE "H" HYDRONIC BOILERS INSTEAD OF "WH" WATER HEATERS.
  9. CONDENSATE MUST BE PIPED TO AN APPROVED DRAIN. LOCAL CODE MAY REQUIRE PH TREATMENT PRIOR TO DRAIN.

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

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	<div></div> <div>OXNARD, CALIFORNIA</div>		
	CHECKED	DATE			
	DRAWN	DATE	E.O.	SCALE	
	D FERGUSON	12-28-2023	SPR	NONE	
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TITLE					
PIPING, UNI-TEMP 80: 3 XFIIRE, 2 V TANK ALT					
	SERIES/MODEL		SIZE	DWG. NO.	REV
	WH		C	8965	0

ACAD: 8965.DWG  
HEATERS SHOWN REPRESENT VARIOUS MODELS. BECAUSE INDIVIDUAL MODELS WILL VARY IN DESIGN AND SIZING, SEE EACH SPECIFIC HEATER TYPE FOR DETAILS.