

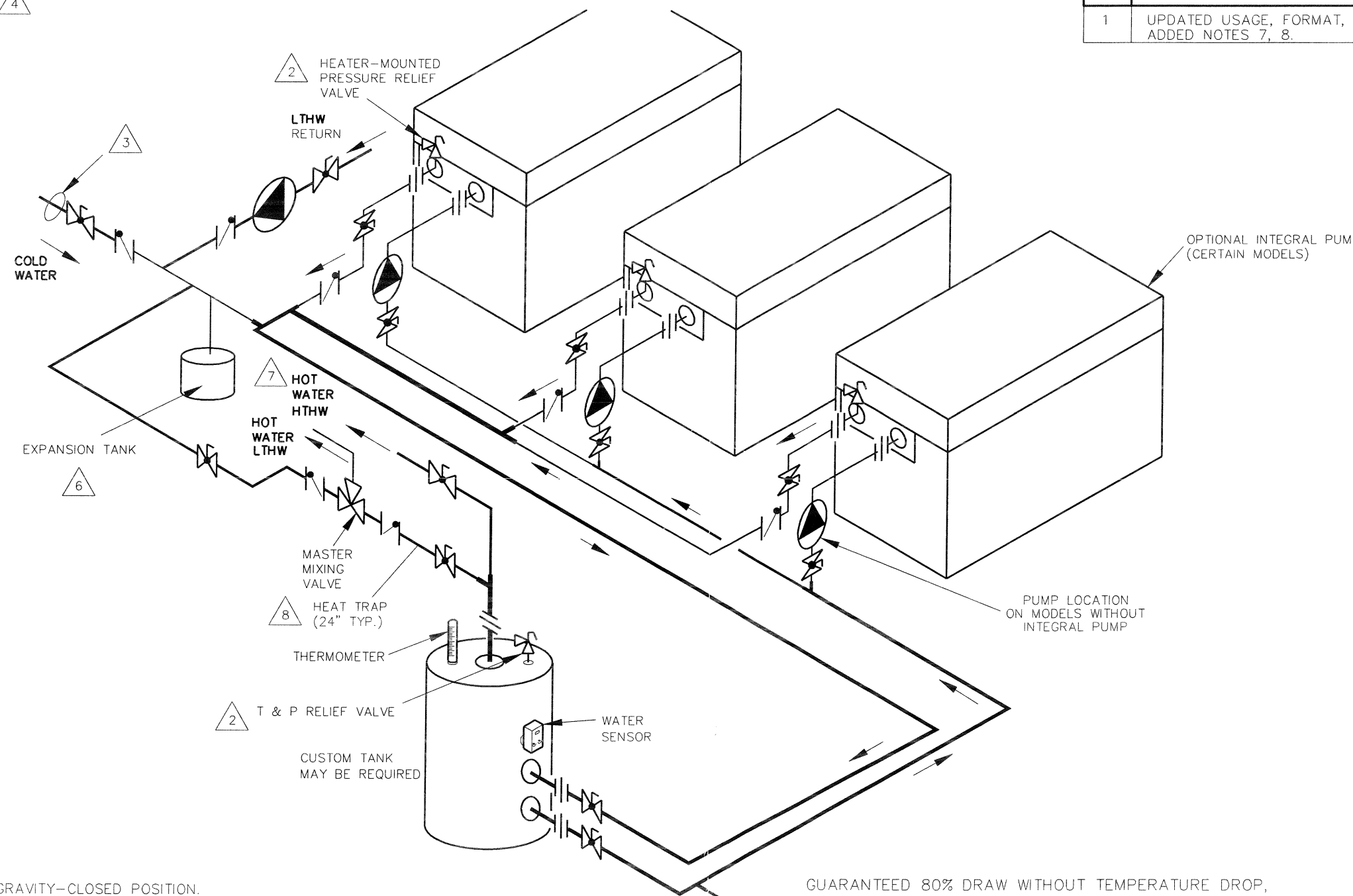
PIPE SIZES			
	1 UNIT	2 UNITS	3 UNITS
RAYTHERM			
133	1-1/4"	1-1/2"	2"
181-401	1-1/2"	2"	2-1/2"
514-824	2"	3"	4"
926-1826	2-1/2"	3"	4"
2100-4001	3"	4"	6"
MVB			
503-754	2"	3"	4"
1003-2004	2-1/2"	4"	4"
HI DELTA			
HD101-HD401	1-1/4"	2"	2"
302-902	2"	3"	4"
992-2342	2-1/2"	4"	5"

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
1	UPDATED USAGE, FORMAT, SYMBOLS. ADDED NOTES 7, 8.		KA	1-28-11	<i>[Signature]</i>

B

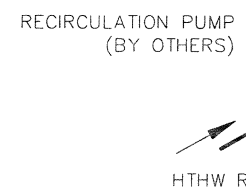
A



KEY	
	BALANCING VALVE
	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. INSTALL COLD WATER BETWEEN BOILER OUTLET AND TANK.
 4. SEE CHART FOR PIPE SIZES CALCULATED AT MAXIMUM FLOW.
 5. SIZING BASED ON BOILER AND TANK BEING PLACED FIVE FEET APART, IF DISTANCE IS GREATER, THE PUMP MUST BE SIZED TO ACCOMMODATE INCREASE IN PIPING RELATED LOSSES.
 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 HIGH TEMP HOT WATER SETPOINT EXCEEDS 160° F, SPECIFY 'H' BOILERS INSTEAD OF 'WH' WATER HEATERS.
 8. 24" HEAT SINK 'U' REQUIRED PER RECOMMENDATIONS OF MANUFACTURER OF 3-WAY MIXING VALVE.

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



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

8126	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 <i>[Signature]</i>	DATE 2/24/11		OXNARD, CALIFORNIA
	CHECKED G HAHN	DATE 3-4-98	E.O. SPR		SCALE NONE
	TITLE PIPING, UNI-TEMP 80: 3 HEATERS, 1 V TANK, 2 TEMP		DRAWN G HAHN	DATE 3-4-98	RAYPAK PROPRIETARY AND CONFIDENTIAL INFORMATION This drawing contains Confidential and Proprietary Information of Raypak, Inc. All rights reserved by Raypak, Inc.
MAT'L. 1	SERIES/MODEL WH	SIZE B	DWG. NO. 8126	REV 1	

2

1