

8741

REVISIONS

REV	DESCRIPTION	E.O.	BY	DATE	CHECK

MINIMUM PIPE SIZES			
	BRANCH	INTERM.	MAIN
300	1-1/2"	2"	2-1/2"
400	2"	2-1/2"	3"
500	2"	2-1/2"	3"
700	2"	2-1/2"	3"
850	2"	2-1/2"	4"

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

KEY	
	PRESSURE RELIEF VALVE
	PUMP
	UNION
	CHECK VALVE
	BALL VALVE
	THERMOMETER

1. PLUMB SWING CHECK VALVE IN GRAVITY-CLOSED POSITION.
2. PIPE ALL RELIEF VALVES TO DRAIN, OR AS LOCAL CODES REQUIRE.
3. PIPE SIZE MUST BE EQUAL TO THE BOILER INLET / OUTLET SIZE. SEE "PIPE SIZES" CHART ABOVE; PIPE SIZES CALCULATED AT MAX FLOW.
4. CONDENSATE MUST BE PIPED TO AN APPROVED DRAIN. LOCAL CODE MAY REQUIRE NEUTRALIZATION PRIOR TO DRAIN.
5. 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.

ACAD: 8741.DWG

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

8741	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 4/13/11		OXNARD, CALIFORNIA	
	CHECKED 	DATE 4/13/11	E.O.			SCALE
	DRAWN K ANDREW	DATE 4-7-11	SPR	NONE	THIS DRAWING SUBMITTED UNDER CONFIDENTIAL RELATIONSHIP, AS IT EMBODIES PROPRIETARY INFORMATION, WITH ALL RIGHTS RESERVED BY RAYPAK, INC.	
	TITLE PIPING, HYDRONIC: 2 BOILERS, XFYRE		MAT'L.	SERIES/MODEL H 300-850	DWG. NO. 8741	REV

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