

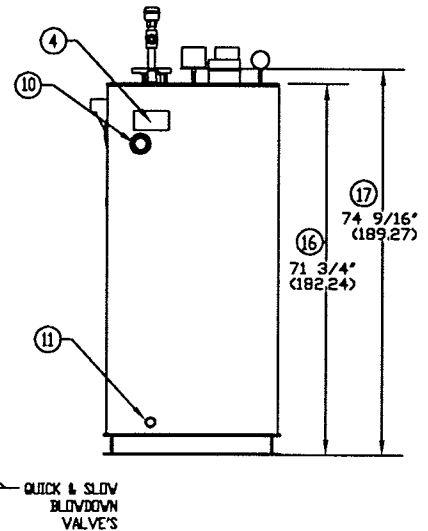
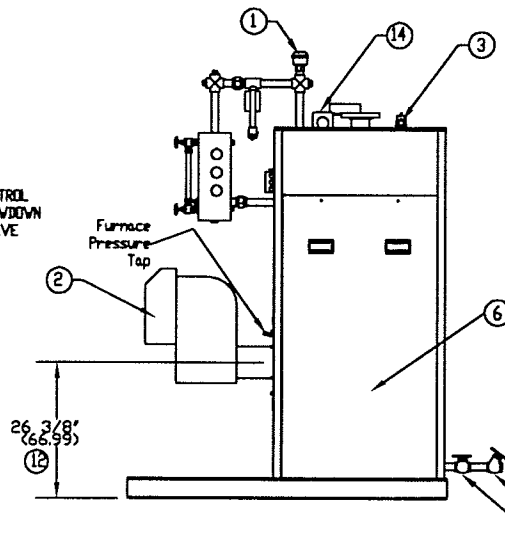
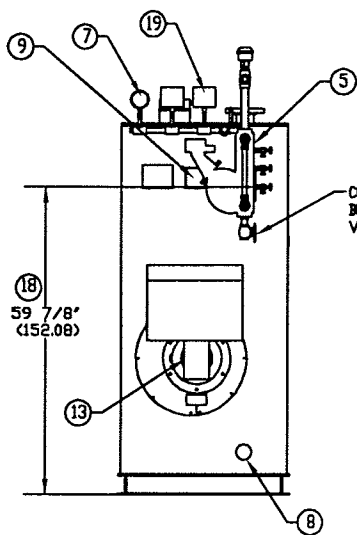
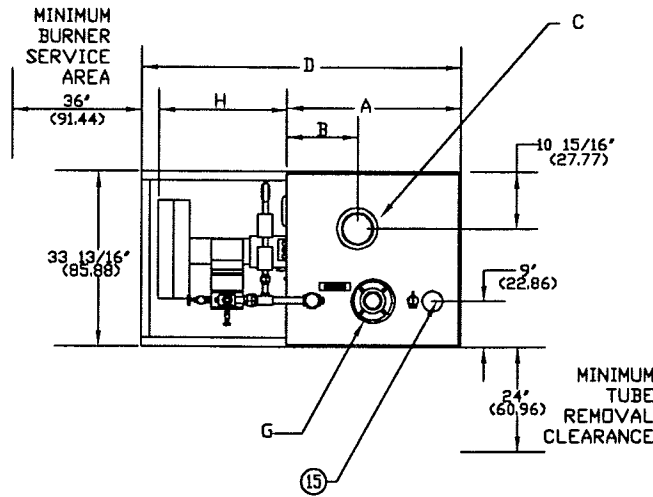
**DR SERIES FORCED DRAFT  
CALIFORNIA SPECIAL STEAM BOILER REVERSE CONSTRUCTION**

EFFECTIVE DATE: 1/29/04

REPLACES: 12/9/03

**NOTES:**

1. ALL DIMENSIONS ARE IN INCHES THOSE IN PARENTHESES ARE CENTIMETERS.
2. LOCATION DIMENSIONS ARE ALL ±1/2'.
3. GAS TRAIN, CONTROL AND BURNER CONFIGURATION WILL VARY DEPENDING ON JOB SPECIFICATIONS & CONDITIONS.
4. DIMENSIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE. CONSULT FACTORY FOR CERTIFIED DIMENSIONS.
5. ALL FLANGES ARE 150# UNLESS OTHERWISE NOTED, FLANGES TO STRADDLE CENTER LINE.



1. PROBE TYPE AUX. L.W.C.D.	6. JACKET ACCESS PANELS	11. DRAIN/ BLOWDOWN - 1" NPT	16. HEIGHT OVER JACKET
2. FORCED DRAFT BURNER	7. PRESSURE GAUGE	12. BURNER CENTER LINE	17. HEIGHT OVER SUPPLY
3. RELIEF VALVE	8. CLNOUT./INSP. DPNG.-1 1/2"NPT	13. OIL PUMP LOCATION	18. MINIMUM SAFE WATER LEVEL
4. ASME NAMEPLATE	9. ELEC. ENCLOSURE -	14. LIFTING LUG	19. PRESSURE CONTROLS
5. LWCO/PUMP CONTROL - 157	10. CLNOUT./INSP. DPNG. - 2" NPT	15. FEED CONNECTION 2" NPT	

BOILER MODEL	DR400
A-LENGTH OVER JACKET	33 3/4' (85.72)
B-FLUE LOCATION	13 3/4' (34.92)
C-FLUE DIAMETER	6' (15.24)
D-LENGTH OVER BASE	62 1/8' (157.79)
G-SUPPLY NOZZLE SIZE	3' (7.62)
H-BURNER EXTENSION	26' (66.04)



**BRYAN BOILERS**

783 NORTH CHILI AVE  
PERU, INDIANA 46970

ORDER NO.:

ORDER REV. NO.:

FORM NO. 2162

## DR SERIES FORCED DRAFT CALIFORNIA SPECIAL STEAM BOILER REVERSE CONSTRUCTION

<b>BOILER MODEL</b>		<b>DR400</b>
<b>INPUT</b>	<b>MBH</b>	<b>400</b>
	<b>(KW)</b>	<b>117.2</b>
<b>OUTPUT*</b>	<b>MBH</b>	<b>320</b>
	<b>(KW)</b>	<b>93.8</b>
<b>BOILER HORSEPOWER</b>	<b>HP</b>	<b>9.56</b>
	<b>(KW)</b>	<b>93.7</b>
<b>TUBE DIAMETER</b>	<b>INCHES</b>	<b>1.00</b>
	<b>(CM)</b>	<b>2.54</b>
<b>NUMBER OF TUBES</b>		<b>18</b>
<b>PRESSURE VESSEL</b>		
<b>VOLUME</b>	<b>GAL</b>	<b>31</b>
	<b>(L)</b>	<b>117.3</b>
<b>HEATING SURFACE</b>	<b>SQ FT</b>	<b>66</b>
	<b>(SQ M)</b>	<b>6.1</b>
<b>STEAM OUTPUT</b>		
	<b>LBS/HR</b>	<b>329</b>
	<b>(KG/HR)</b>	<b>149.2</b>
<b>OPERATING WEIGHT</b>	<b>LBS</b>	<b>1,408</b>
	<b>(KG)</b>	<b>638.9</b>
<b>SHIPPING WEIGHT</b>	<b>LBS</b>	<b>1,150</b>
	<b>(KG)</b>	<b>521.6</b>
<b>RELIEF VALVE TYPICAL - 100 PSIG (689.5 KPA)</b>		
<b>QUANTITY</b>		<b>(1) 6021DC01</b>
<b>SIZE</b>	<b>INCHES</b>	<b>1/2 x 3/4</b>
	<b>(CM)</b>	<b>1.27x1.905</b>
<b>CAPACITY-TOTAL</b>	<b>MBH</b>	<b>643</b>
	<b>(KW)</b>	<b>188.4</b>

\* Output based on nominal 80% of input. Actual combustion efficiencies will be higher and fuel dependent.