



BOILER CONNECTIONS

RATINGS & CAPACITIES

LTR DATE

REVISION

BY REPRESENTATIVE:

A.(1) STEAM OUTLET	6" 300# FLANGE
B.(4) LWCO	1" NPT
C.(2) SAFETY VALVE	2" NPT
D.() SAFETY VALVE	
E.(2) BOILER BLOWDOWN	1 1/2" NPT
F.(1) SURFACE BLOWDOWN	1" NPT
G.(1) MANWAY	12" x 16"
H.(5) HANDHOLE	3" x 4"
J.(1) CLEANOUT PORT	18" PIPE
K.(2) FEEDWATER	2" NPT
L.(1) AUXILIARY/VENT	2" NPT
M.(1) LOW FIRE HOLD	1" NPT
N.(1) STACK TEMP	1/2" NPT
P.(1) SIGHTPORT	1" PIPE
Q.()	
R.()	
S.()	

HORSEPOWER	400*
DESIGN PRESSURE	150 PSIG STEAM
GROSS OUTPUT	13390 MBH*
STEAM (FROM & AT 212°F)	13900 Lbs/Hr*
HEAT RELEASE: (FURNACE ONLY)	143347 BTU/CuFt*
RATED INPUT	16738 MBH*
HEATING SURFACE (ASME)	2032 SqFt
FURNACE HEATING SURFACE	146.13 SqFt
FURNACE VOLUME	116.76 CuFt
TURNAROUND VOLUME	56.43 CuFt
STEAMING VOLUME	70.17 CuFt
STEAM RELEASE AREA	84.50 SqFt
WATER CAPACITY:	
(FULL)	3,275 Gals @ 27,240 Lbs
(NWL)	2,750 Gals @ 22,874 Lbs
SHIPPING WEIGHT:	33,000 Lbs

NOTES

- ALL CONTROLS MOUNTED AS PER SPECIFICATION SHEET.
- SPECIFICATION SHEET TAKES PRIORITY OVER R & D SHEET.
- BOILER DESIGN CODE ASME SECTION I.
- BOILER INSULATED WITH 2" - 8# DENSITY MINERAL FIBER INSULATION WITH 22 GAUGE STEEL JACKET.
- ALL DIMENSIONS ARE ±1/2" UNLESS OTHERWISE NOTED.
- *6. HORSEPOWER & RELATED INFO BASED ON 5 SqFt FIRING.

SUPERIOR BOILER

CHECKED BY

DATE

DRAWN BY

DATE

MOHICAN

BOILER MODEL

7-5-2000-S150

SCALE

DRAWING No

1/64

?

THIS DRAWING IS THE PROPERTY OF SUPERIOR BOILER WORKS & SHALL NOT BE REPRODUCED IN PART OR IN WHOLE, & NONE OF ITS INFORMATION SHALL BE REVEALED WITHOUT PERMISSION OR TO THE DETRIMENT OF THE OWNER. IT MUST BE RETURNED UPON REQUEST.