



#### BOILER CONNECTIONS

#### RATINGS & CAPACITIES

LTR DATE

REVISION

BY

REPRESENTATIVE:

A.(1) STEAM OUTLET	10" 300# FLANGE
B.(4) LWCO	1" NPT
C.(2) SAFETY VALVE	3" 300# FLANGE
D.( ) SAFETY VALVE	
E.(2) BOILER BLOWDOWN	2" NPT
F.(1) SURFACE BLOWDOWN	1" NPT
G.(1) MANWAY	12" x 16"
H.(5) HANDHOLE	3" x 4"
J.(1) CLEANOUT	17" ID
K.(2) FEEDWATER	3" NPT
L.(1) AUXILIARY/VENT	2" NPT
M.(1) LOW FIRE HOLD	1/2" NPT
N.(1) STACK TEMP	1/2" NPT
P.(1) SIGHT PORT	1 1/4" NPT
Q.( )	
R.( )	
S.( )	

HORSEPOWER	1400*
DESIGN PRESSURE	150 PSIG STEAM
GROSS OUTPUT	46,865 MBH*
STEAM (FROM & AT 212°F)	48,300 Lbs/Hr*
HEAT RELEASE: (FURNACE ONLY)	144,415 BTU/CuFt*
RATED INPUT	58,581 MBH*
HEATING SURFACE (ASME)	7090 SqFt
FURNACE HEATING SURFACE	352.06 SqFt
FURNACE VOLUME	405.64 CuFt
TURNAROUND VOLUME	111.00 CuFt
STEAMING VOLUME	357.83 CuFt
STEAM RELEASE AREA	213.87 CuFt
WATER CAPACITY:	
(FULL)	12,078 Gal • 100,464 Lbs
(NWL)	9,402 Gal • 78,200 Lbs
SHIPPING WEIGHT:	103,000 Lbs

#### NOTES

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

**SUPERIOR**  
BOILER

CHECKED BY

DRAWN BY

M. MATALLAH

DATE

DATE

1-15-18

MOHICAN

BOILER MODEL

7-X-7000-S150-ICC-G

SCALE

1/86

DRAWING No

?

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.