



#### BOILER CONNECTIONS

#### RATINGS & CAPACITIES

LTR DATE

REVISION

BY REPRESENTATIVE:

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#### 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  $\pm 1/2"$  UNLESS OTHERWISE NOTED.
- HORSEPOWER & RELATED INFO BASED ON 5 SgF FIRING.

**SUPERIOR**  
BOILER

CHECKED BY

DRAWN BY

?

DATE

DATE

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MOHICAN

BOILER MODEL

7-5-2500-S150

SCALE

1/64

DRAWING No

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- A.(1) STEAM OUTLET 8" 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) CLEANOUP PORT 17" ID  
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 500  
DESIGN PRESSURE 150 PSIG STEAM  
GROSS OUTPUT 16738 MBH  
STEAM (FROM & AT 212°F) 17250 Lbs/Hr  
HEAT RELEASE: (FURNACE ONLY) 139950 BTU/CuFt  
RATED INPUT 20922 MBH  
HEATING SURFACE (ASME) 2529  
FURNACE HEATING SURFACE 187.60 SgFt  
FURNACE VOLUME 149.50 CuFt  
TURNAROUND VOLUME 52.47 CuFt  
STEAMING VOLUME 85.42 CuFt  
STEAM RELEASE AREA 102.85 SgFt  
WATER CAPACITY:  
(FULL) 4,026 Gals @ 33,485 Lbs  
(NWL) 3,387 Gals @ 28,170 Lbs  
SHIPPING WEIGHT: 39,200 Lbs