



## BOILER CONNECTIONS

- |       |                  |                |
|-------|------------------|----------------|
| 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 1/4" NPT     |
| F.(2) | SURFACE BLOWDOWN | 1" NPT         |
| G.(1) | MANWAY           | 12" x 18"      |
| H.(5) | HANDHOLE         | 3" x 4"        |
| J.(1) | CLEANOUT PORT    | 17" ID         |
| K.(2) | FEEDWATER        | 2" NPT         |
| L.(1) | AUXILIARY/VENT   | 2" NPT         |
| M.(2) | LOW FIRE HOLD    | 1/2" NPT       |
| N.(1) | STACK TEMP       | 1/2" NPT       |
| P.(1) | SIGHT PORT       | 1" NPT         |
| Q.( ) |                  |                |
| R.( ) |                  |                |
| S.( ) |                  |                |

## RATINGS & CAPACITIES

|                              |                  |
|------------------------------|------------------|
| HORSEPOWER                   | 250*             |
| DESIGN PRESSURE              | 150 PSIG STEAM   |
| GROSS OUTPUT                 | 9369 MBH*        |
| STEAM (FROM & AT 212F)       | 8825 Lbs/Hr*     |
| HEAT RELEASE: (FURNACE ONLY) | 134235 BTU/CuFt* |
| RATED INPUT                  | 10461 MBH*       |
| HEATING SURFACE (ASME)       | 1289 SqFt        |
| FURNACE HEATING SURFACE      | 118.97 SqFt      |
| FURNACE VOLUME               | 77.93 CuFt       |
| TURNAROUND VOLUME            | 42.09 CuFt       |
| STEAMING VOLUME              | 37.70 CuFt       |
| STEAM RELEASE AREA           | 64.68 SqFt       |
| WATER CAPACITY:              |                  |
| (FULL) 2,200 Gal             | ● 18,300 Lbs     |
| (NWL) 1,918 Gal              | ● 15,954 Lbs     |
| SHIPPING WEIGHT:             | 23,200 Lbs       |

| LTR | DATE |
|-----|------|
|-----|------|

## REVISION

|    |                 |
|----|-----------------|
| BY | REPRESENTATIVE: |
|----|-----------------|

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**PROJECT:**

1

DATE \_\_\_\_\_

17512

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.

## NOTES

1. ALL CONTROLS MOUNTED AS PER SPECIFICATION SHEET.
  2. SPECIFICATION SHEET TAKES PRIORITY OVER R & D SHEET.
  3. BOILER DESIGN CODE ASME SECTION 1.
  4. BOILER INSULATED WITH 2" - 84 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 Sqt FIRING.



**CHECKED BY**

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MOHICAN

**BOILER MODEL**

7-5-1250-S150

DRAWING No.

**SCALE**

1/54

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