



#### BOILER CONNECTIONS

#### RATINGS & CAPACITIES

LTR DATE

REVISION

BY

REPRESENTATIVE

A.(1) WATER OUTLET	4" NPT	HORSEPOWER	70
B.(1) WATER RETURN	4" NPT	DESIGN PRESSURE	30 PSIG WATER
C.(1) LWCO	1" NPT	DESIGN TEMPERATURE	250 °F
D.(1) SAFETY VALVE	1 1/2" NPT	GROSS OUTPUT	2343 MBH
E.( ) SAFETY VALVE		HEAT RELEASE (FURNACE ONLY)	177935 BTU/CuFt
F.(1) BOILER DRAIN	1 1/2" NPT	RATED INPUT	2829 MBH
G.(1) HANDHOLE	4" x 8"	HEATING SURFACE (ASME)	283 SqFt
H.(5) HANDHOLE	3" x 4"	FURNACE HEATING SURFACE	37.09 SqFt
J.(1) SIGHTPORT	1 1/4" PIPE	FURNACE VOLUME	18.48 CuFt
K.(1) AIR VENT	1" NPT	TURNAROUND VOLUME	4.44 CuFt
L.(1) AUXILIARY	3/4" NPT		
M.(2) LOW FIRE HOLD	1" NPT		
N.(2) STACK TEMP	1/2" NPT	WATER CAPACITY:	
P.(5) AQUASTAT	1" NPT	(FULL) 443 Gals @	3,682 Lbs
Q.(1) CLEANOUT	2" NPT	SHIPPING WEIGHT:	4,700 Lbs
R.( )			
S.( )			

#### NOTES

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

**SUPERIOR**  
BOILER WORKS, INC.  
MITCHAM, KANSAS

CHECKED BY

DATE

DRAWN BY

DATE

ARROWHEAD

BOILER MODEL

AR-4-280-W30

SCALE

DRAWING No

1/34

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