



BOILER CONNECTIONS	
A.(1) WATER OUTLET	10" 150# FLANGE
B.(1) WATER RETURN	10" 150# FLANGE
C.(4) LWCO	1" NPT
D.(1) SAFETY VALVE	2" NPT
E.() SAFETY VALVE	
F.(1) BOILER DRAIN	2" NPT
G.(4) WATER CIRCULATION	3" NPT
H.(5) HANDHOLE	3" x 4"
J.(1) MANWAY	12" x 16"
K.(1) CLEANOUT	17" ID
L.(1) AUXILIARY/ VENT	2" NPT
M.(1) LOW FIRE HOLD	1" NPT
N.(4) AQUASTAT	1/2" NPT
P.(1) AQUASTAT	3/4" NPT
Q.(1) STACK TEMP	1/2" NPT
R.(1) SIGHTPORT	1" PIPE
S.()	

RATINGS & CAPACITIES	
HORSEPOWER	500*
DESIGN PRESSURE	160 PSIG WATER
DESIGN TEMPERATURE	250° F
GROSS OUTPUT	16738 MBH*
HEAT RELEASE: (FURNACE ONLY)	137714 BTU/CuFt*
RATED INPUT	20900 MBH*
HEATING SURFACE (ASME)	2514 SqFt
FURNACE HEATING SURFACE	171.91 SqFt
FURNACE VOLUME:	
FURNACE ONLY	151.92 CuFt
TURNAROUND VOLUME	52.47 CuFt
WATER CAPACITY:	
(FULL)	3,958 Gals @ 32,921 Lbs
SHIPPING WEIGHT:	44,600 Lbs

LTR	DATE	REVISION

- NOTES**
- ALL CONTROLS MOUNTED AS PER SPECIFICATION SHEET.
 - SPECIFICATION SHEET TAKES PRIORITY OVER R & D SHEET.
 - BOILER DESIGN CODE ASME SECTION IV.
 - BOILER INSULATED WITH 2" OF 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 WORKS, INC. HUTCHINSON, KANSAS	CHECKED BY	DATE
	DRAWN BY	DATE
MOHICAN		BOILER MODEL
7-5-2500-W160		
SCALE	DRAWING No	
1/64	?	

REPRESENTATIVE: ?

PROJECT: ?

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