



BOILER CONNECTIONS

RATINGS & CAPACITIES

LTR DATE

REVISION

BY REPRESENTATIVE:

HUGHES MACHINERY

PROJECT:

KANSAS CITY STAR

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

HORSEPOWER	400
DESIGN PRESSURE	30 PSIG
DESIGN TEMPERATURE	250°F
GROSS OUTPUT	13,390 MBH
HEAT RELEASE (FURNACE ONLY)	140,191 Btu/hr/CuFt
RATED INPUT	16,738 MBH
HEATING SURFACE (ASME)	2,015 SqFt
FURNACE HEATING SURFACE	138.37 SqFt
FURNACE VOLUME:	
FURNACE ONLY	119.19 CuFt
WATER CAPACITY:	
(FULL)	2964 Gal @ 24,652 Lbs
SHIPPING WEIGHT:	33,200 Lbs

NOTES

1. ALL CONTROLS MOUNTED AS PER SPECIFICATION SHEET.
2. SPECIFICATION SHEET TAKES PRIORITY OVER R & D SHEET.
3. REAR DOOR SWING:
 - (1) MIN SIDE, MAX REAR
 - (2) MAX SIDE, MIN REAR
4. BOILER DESIGN CODE ASME SECTION IV.
5. BOILER INSULATED WITH 2" OF INSULATION AND JACKETED WITH 22 GAUGE STEEL.
6. ALL DIMENSIONS ARE $\pm 1/2"$ UNLESS OTHERWISE NOTED.

SUPERIOR
BOILER

CHECKED BY

DRAWN BY
R. WITHROW

DATE

DATE
11-18-03

MOHAWK BOILER MODEL
4-5-2007-W30-GP-G

SCALE

1/62

DRAWING No

4B90428 #1

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