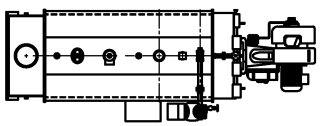

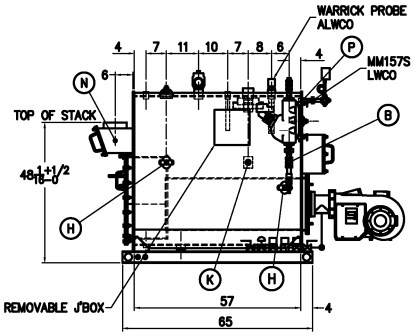

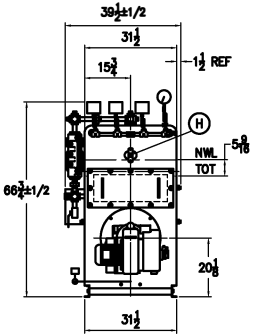

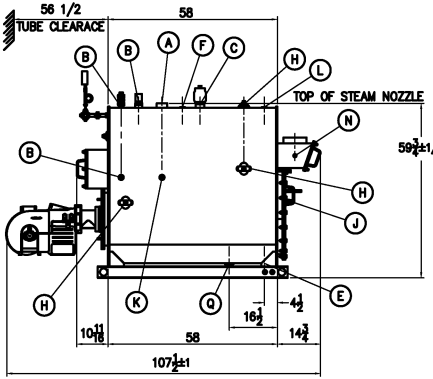

BOILER CONNECTIONS

A.(1) STEAM OUTLET	2 1/2" NPT
B.(4) LWCO	1" NPT
C.(1) SAFETY VALVE	2" NPT
D.( ) SAFETY VALVE	
E.(1) BOILER BLOWDOWN	1" NPT
F.(1) SURFACE BLOWDOWN	1" NPT
G.( ) HANDHOLE	
H.(6) HANDHOLE	3" x 4"
J.(1) SIGHTPORT	1 1/4" PIPE
K.(2) FEEDWATER	1" NPT
L.(1) AUXILIARY	1" NPT
M.( ) LOW FIRE HOLD	
N.(2) STACK TEMP	1/2" NPT
P.(1) PRESSURETROL	3/4" NPT
Q.(1) CLEANOUT	2" NPT
R.( )	
S.( )	

RATINGS & CAPACITIES

HORSEPOWER	20
DESIGN PRESSURE	15 PSIG STEAM
GROSS OUTPUT	670 MBH
STEAM (FROM & AT 212°F)	690 Lbs/Hr
HEAT RELEASE: (FURNACE ONLY)	81418 BTU/CuFt
RATED INPUT	836 MBH
HEATING SURFACE (ASME)	63 SqFt
FURNACE HEATING SURFACE	14.11 SqFt
FURNACE VOLUME	5.14 CuFt
TURNAROUND VOLUME	3.36 CuFt
STEAMING VOLUME	6.45 CuFt
STEAM RELEASE AREA	11.08 SqFt
WATER CAPACITY:	
(FULL) 242 Gals @	2,009 Lbs
(NWL) 193 Gals @	1,606 Lbs
SHIPPING WEIGHT:	3,200

LTR	DATE	REVISION	BY

REPRESENTATIVE:
?
?

PROJECT:
?

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"-6# DENSITY CERAMIC FIBER INSULATION WITH 22 GAUGE STEEL JACKET.
5. ALL DIMENSIONS ARE ±1/2" UNLESS OTHERWISE NOTED.
6. HORSEPOWER & RELATED INFO BASED ON 4 SqFt FIRING.

SUPERIOR BOILER WORKS, INC.
HUTCHINSON, KANSAS

CHECKED BY

DRAWN BY ?

DATE

ARROWHEAD

BOILER MODEL AR-4-80-S15-WR-G

SCALE 1/30

DRAWING No ?

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