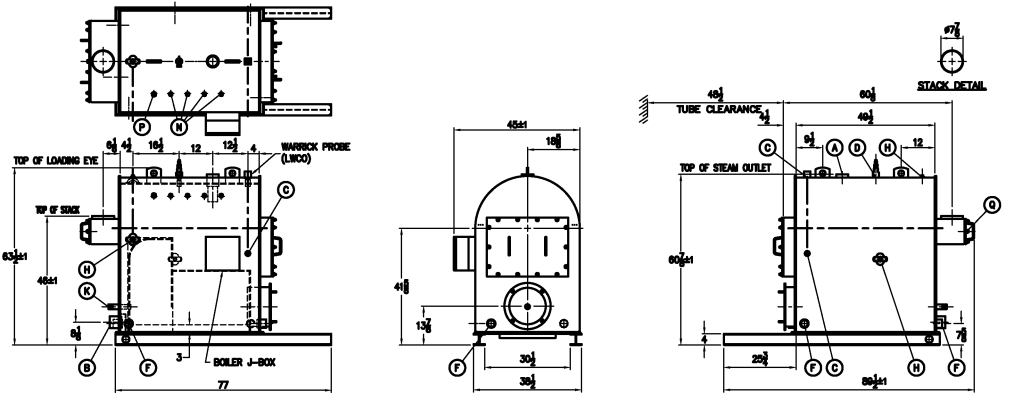

BOILER CONNECTIONS

A.(1) WATER OUTLET	3" NPT
B.(1) WATER RETURN	3" NPT
C.(3) LWCO	1" NPT
D.(1) SAFETY VALVE	3/4" NPT
E.( ) SAFETY VALVE	
F.(4) BOILER DRAIN	2" NPT
G.( ) WATER CIRCULATION	
H.(3) HANDHOLE	3" x 4"
J.( ) MANWAY	
K.(1) SIGHTPORT	1 1/4" PIPE
L.( ) AIR VENT	
M.( ) LOW FIRE HOLD	
N.(4) AQUASTAT	1/2" NPT
P.(1) AQUASTAT	3/4" NPT
Q.(1) STACK TEMP	1/2" NPT
R.( )	
S.( )	

RATINGS & CAPACITIES

HORSEPOWER	20
DESIGN PRESSURE	30 PSIG WATER
DESIGN TEMPERATURE	250° F
GROSS OUTPUT	670
HEAT RELEASE: (FURNACE ONLY)	129,042 BTU/CuFt
RATED INPUT	837 MBH
HEATING SURFACE (ASME)	103 SqFt
FURNACE HEATING SURFACE	11.77 SqFt
FURNACE VOLUME:	
FURNACE ONLY	6.49 CuFt
TURN-AROUND ONLY	6.27 CuFt
WATER CAPACITY:	
(FULL) 199 Gal	@ 1,645 Lbs
SHIPPING WEIGHT:	3,500 Lbs

LTR	DATE	REVISION	BY

REPRESENTATIVE# X

PROJECT# X

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 2" - 8# DENSITY MINERAL FIBER INSULATION WITH 22 GAUGE STEEL JACKET.
5. ALL DIMENSIONS ARE ±1/2" UNLESS OTHERWISE NOTED.
6. HORSE POWER & RELATED INFO BASED ON 5 SqFt FIRING.

SUPERIOR BOILER

CHECKED BY ?

DRAWN BY ?

DATE

DATE

OSAGE

BOILER MODEL 3-5-100-W30

SCALE 1/24

DRAWING No ?

THIS DRAWING IS THE PROPERTY OF SUPERIOR BOILER & 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.