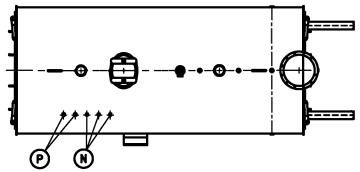

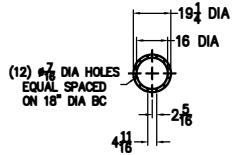

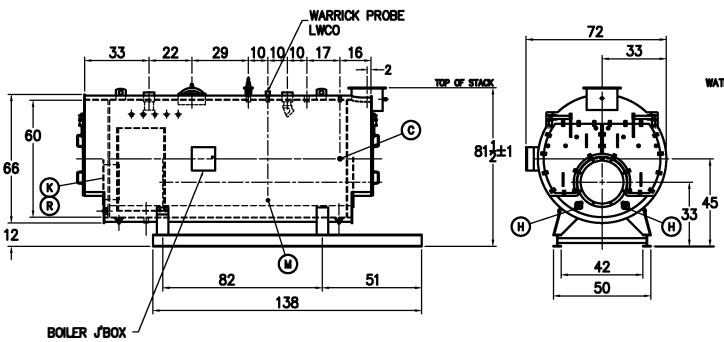

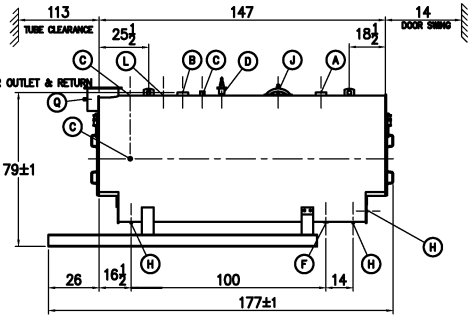

BOILER CONNECTIONS

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

RATINGS & CAPACITIES

HORSEPOWER	80
DESIGN PRESSURE	30 PSIG WATER
DESIGN TEMPERATURE	250°F
GROSS OUTPUT	2678 MBH
HEAT RELEASE: (FURNACE ONLY)	145137 BTU/CuFt
RATED INPUT	3348 MBH
HEATING SURFACE (ASME)	414 SqFt
FURNACE HEATING SURFACE	47.30 SqFt
FURNACE VOLUME:	
FURNACE ONLY	23.06 CuFt
TURNAROUND VOLUME	18.64 CuFt
WATER CAPACITY:	
(FULL) 1,025 Gal	● 8,523 Lbs
SHIPPING WEIGHT:	9,500 Lbs

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

SUPERIOR BOILER

CHECKED BY	DATE
DRAWN BY: ?	DATE

MOHICAN — BOILER MODEL 7-5-400-W30

SCALE 1/45 — DRAWING No ?

THIS DRAWING IS THE PROPERTY OF SUPERIOR BOILER WORKS & 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.