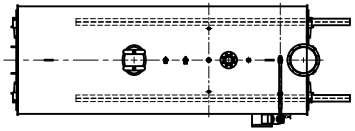

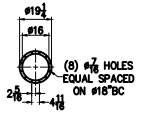

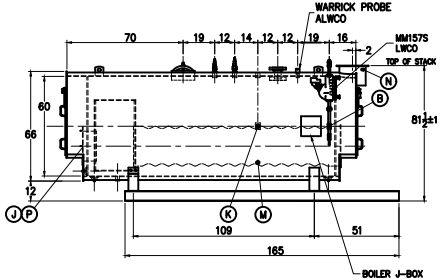

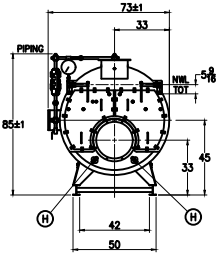

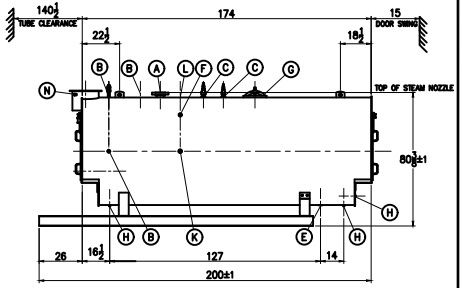

BOILER CONNECTIONS

A.(1) STEAM OUTLET	4" 300# FLANGE
B.(4) LWCO	1" NPT
C.(2) SAFETY VALVE	1 1/2" NPT
D.( ) SAFETY VALVE	
E.(1) BOILER BLOWDOWN	1 1/4" NPT
F.(1) SURFACE BLOWDOWN	1" NPT
G.(1) MANWAY	12" x 16"
H.(5) HANDHOLE	3" x 4"
J.(1) CLEANOUT	17" ID
K.(2) FEEDWATER	1 1/4" NPT
L.(1) AUXILIARY/VENT	1 1/2" NPT
M.(1) LOW FIRE HOLD	1" NPT
N.(1) STACK TEMP	1/2" NPT
P.(1) SIGHT PORT	1" PIPE
Q.( )	
R.( )	
S.( )	

RATINGS & CAPACITIES

HORSEPOWER	100*
DESIGN PRESSURE	150 PSIG STEAM
GROSS OUTPUT	3348 MBH*
STEAM (FROM & AT 212°F)	3450 Lbs/Hr*
HEAT RELEASE: (FURNACE ONLY)	148466 BTU/CuFt*
RATED INPUT	4184 MBH*
HEATING SURFACE (ASME)	509 SqFt
FURNACE HEATING SURFACE	65.07 SqFt
FURNACE VOLUME	28.18 CuFt
TURNAROUND VOLUME	18.44 CuFt
STEAMING VOLUME	21.26 CuFt
STEAM RELEASE AREA	43.28 SqFt
WATER CAPACITY:	
(FULL) 1,277 Gal	@ 10,619 Lbs
(NWL) 1,118 Gal	@ 9,296 Lbs
SHIPPING WEIGHT:	11,600 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 I
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

DRAWN BY ?

DATE

MOHICAN BOILER MODEL 7-5-500-S150

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.