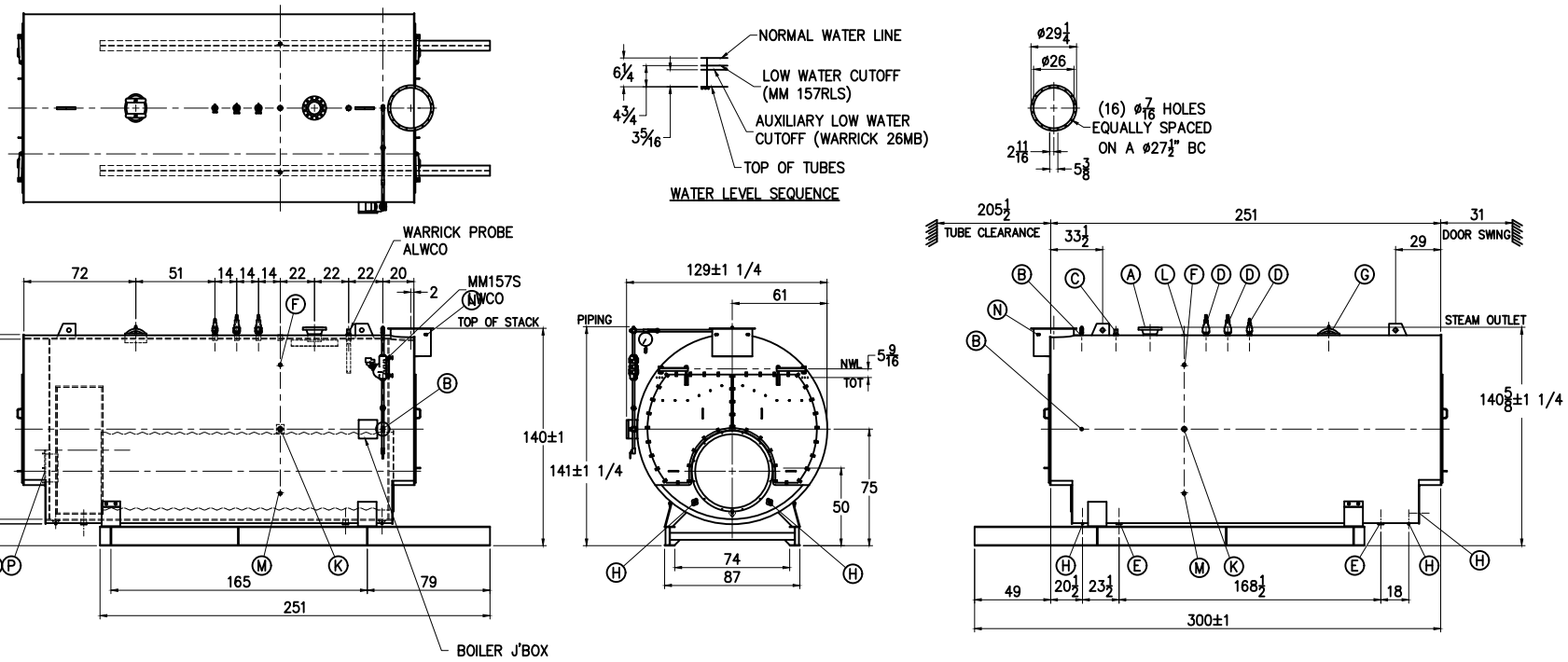

BOILER CONNECTIONS	
A.(1) STEAM OUTLET	8" 300# FLANGE
B.(3) LWCO	1 1/4" NPT
C.(1) LWCO	1" NPT
D.(3) SAFETY VALVE	2" NPT
E.(2) BOILER BLOWDOWN	2" NPT
F.(2) SURFACE BLOWDOWN	1" NPT
G.(1) MANWAY	12" x 16"
H.(5) HANDHOLE	3" x 4"
J.(1) CLEANOUT	17" ID
K.(2) FEEDWATER	2" NPT
L.(1) AUXILIARY/VENT	2" NPT
M.(2) LOW FIRE HOLD	1" NPT
N.(2) STACK TEMP	1/2" NPT
P.(1) SIGHT PORT	1" NPT
Q.( )	
R.( )	
S.( )	

RATINGS & CAPACITIES	
HORSEPOWER	800
DESIGN PRESSURE	150 PSIG STEAM
GROSS OUTPUT	26780 MBH
STEAM (FROM & AT 212°F)	27600 Lbs/Hr
HEAT RELEASE: (FURNACE ONLY)	173365 BTU/CuFt
RATED INPUT	33475 MBH
HEATING SURFACE (ASME)	4046 SqFt
FURNACE HEATING SURFACE	212.63 SqFt
FURNACE VOLUME	193.09 CuFt
TURNAROUND VOLUME	77.09 CuFt
STEAMING VOLUME	136.74 CuFt
STEAM RELEASE AREA	128.30 SqFt
WATER CAPACITY:	
(FULL) 6,268 Gal	@ 52,138 Lbs
(NWL) 5,246 Gal	@ 43,630 Lbs
SHIPPING WEIGHT:	55,800 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 WORKS, INC. HUTCHINSON, KANSAS

CHECKED BY | DATE

DRAWN BY: ? | DATE

BOILER MODEL: MOHICAN 7-5-4000-S150

SCALE: 1/70

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.