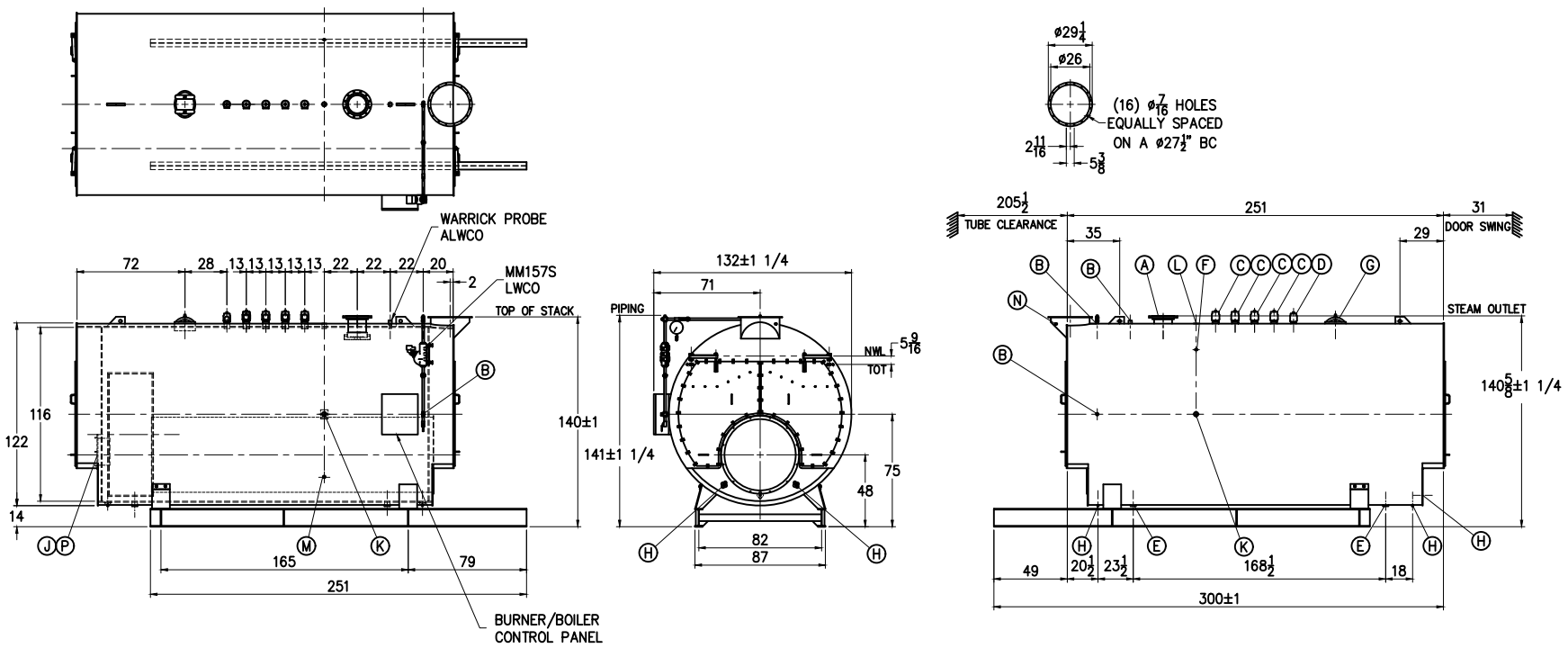

BOILER CONNECTIONS

A.(1) STEAM OUTLET	12" 150# FLANGE
B.(4) LWCO	1" NPT
C.(4) SAFETY VALVE	3" NPT
D.(1) SAFETY VALVE	2 1/2" NPT
E.(2) BOILER BLOWDOWN	2" 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	2" NPT
L.(1) AUXILIARY/VENT	2" NPT
M.(1) LOW FIRE HOLD	1/2" NPT
N.(1) STACK TEMP	1/2" NPT
P.(1) SIGHT PORT	1 1/4" NPT
Q.( )	
R.( )	
S.( )	

RATINGS & CAPACITIES

HORSEPOWER	800
DESIGN PRESSURE	15 PSIG STEAM
GROSS OUTPUT	26780 MBH
STEAM (FROM & AT 212°F)	27600 Lbs/Hr
HEAT RELEASE: (FURNACE ONLY)	166,485 BTU/CuFt
RATED INPUT	33475 MBH
HEATING SURFACE (ASME)	4030 SqFt
FURNACE HEATING SURFACE	196.16 SqFt
FURNACE VOLUME	201.07
TURNAROUND VOLUME	77.09 CuFt
STEAMING VOLUME	144.14 CuFt
STEAM RELEASE AREA	130.20 SqFt
WATER CAPACITY:	
(FULL) 6,201 Gal @	51,578 Lbs
(NWL) 5,123 Gal @	42,610 Lbs
SHIPPING WEIGHT:	50,076 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. REAR DOOR SWING:
   (1) MIN SIDE, MAX REAR
   (2) MAX SIDE, MIN REAR
4. BOILER DESIGN CODE ASME SECTION IV.
5. BOILER INSULATED WITH 2" OF INSULATION AND JACKETED WITH 22 GAUGE STEEL.
6. ALL DIMENSIONS ±1/2 UNLESS OTHERWISE NOTED.

SUPERIOR BOILER WORKS, INC.
HUTCHINSON, KANSAS

CHECKED BY
DRAWN BY ?
DATE
DATE

BOILER MODEL: MOHICAN 7-5-4000-S15

SCALE: 1/70

DRAWING No: ?

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