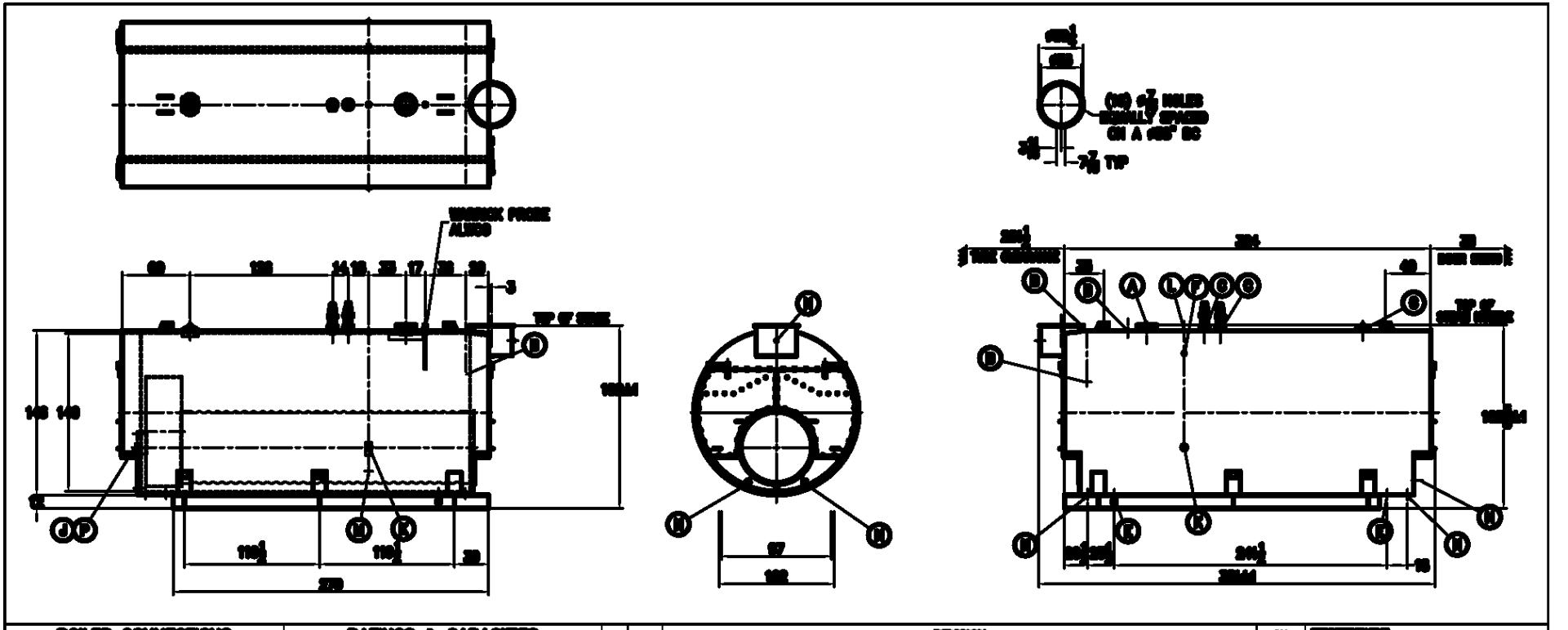

BOILER CONNECTIONS

A.(1)	STEAM OUTLET	10" 3000 FLANGE
B.(4)	LWCO	1" NPT
C.(2)	SAFETY VALVE	2" NPT
D.( )	SAFETY VALVE	
E.(2)	BOILER BLOWDOWN	2" NPT
F.(1)	SURFACE BLOWDOWN	1" NPT
G.(1)	MANWAY	12" x 16"
H.(2)	MANSHOLE	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" NPT
N.(1)	STACK TEMP	1/2" NPT
P.(1)	SHUNT PORT	1" NPT
Q.( )		
R.( )		
S.( )		

RATINGS & CAPACITIES

HORSEPOWER	1500*
DESIGN PRESSURE	150 PSIG STEAM
GROSS OUTPUT	50525 MBH*
STEAM (FROM & AT 212F)	51740 Lbs/Hr*
HEAT REMAIN (FURNACE ONLY)	145700 BTU/CuFt*
RATED INPUT	65700 MBH*
HEATING SURFACE (ASME)	7555 SqFt
FURNACE HEATING SURFACE	332.84 SqFt
FURNACE VOLUME	439.52 CuFt
TURNAROUND VOLUME	127.78 CuFt
STEAMING VOLUME	351.47 CuFt
STEAM RELEASE AREA	228.60 CuFt
WATER CAPACITY:	
(FULL)	12,015 Gal @ 80,905 Lbs
(NIL)	9,155 Gal @ 76,370 Lbs
SHIPPING WEIGHT:	100,000 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" – 85 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.

BOILER

CHECKED BY: DATE:

DRAWN BY: ? DATE:

MOHICAN BOILER MODEL 7-5-7500-S150

DATE 1/86 DRAWING No ?

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