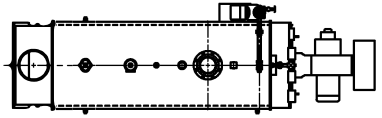

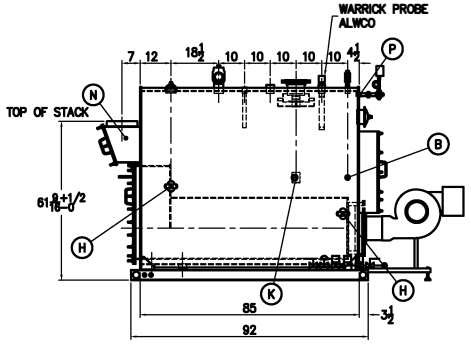

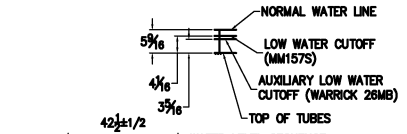

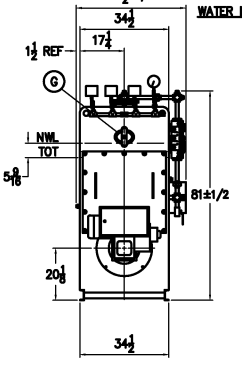

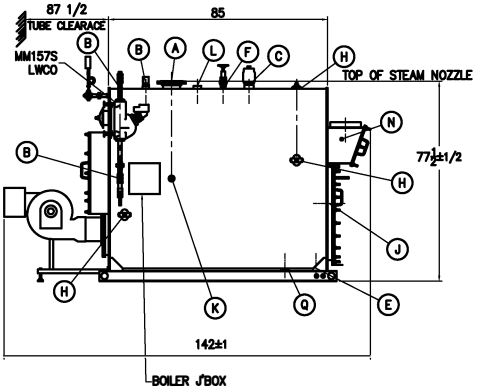

BOILER CONNECTIONS

A.(1) STEAM OUTLET	6" 150# FLG
B.(4) LWCO	1" NPT
C.(1) SAFETY VALVE	2" NPT
D.( ) SAFETY VALVE	
E.(1) BOILER BLOWDOWN	1 1/2" NPT
F.(1) SURFACE BLOWDOWN	1" NPT
G.(1) HANDHOLE	4" x 6"
H.(5) HANDHOLE	3" x 4"
J.(1) SIGHTPORT	1 1/4" PIPE
K.(2) FEEDWATER	1 1/4" NPT
L.(1) AUXILIARY	2" NPT
M.( ) LOW FIRE HOLD	
N.(2) STACK TEMP	1/2" NPT
P.(1) PRESSURETROL	3/4" NPT
Q.(1) CLEANOUT	2" NPT
R.( )	
S.( )	

RATINGS & CAPACITIES

HORSEPOWER	80
DESIGN PRESSURE	15 PSIG STEAM
GROSS OUTPUT	2678 MBH
STEAM (FROM & AT 212°F)	2760 Lbs/Hr
HEAT RELEASE: (FURNACE ONLY)	196393 BTU/CuFt
RATED INPUT	3348 MBH
HEATING SURFACE (ASME)	332 SqFt
FURNACE HEATING SURFACE	37.28 SqFt
FURNACE VOLUME	17.04 CuFt
TURNAROUND VOLUME	4.44 CuFt
STEAMING VOLUME	13.58 CuFt
STEAM RELEASE AREA	17.70 SqFt
WATER CAPACITY:	
(FULL) 378 Gals	@ 3,148 Lbs
(NWL) 277 Gals	@ 2,303 Lbs
SHIPPING WEIGHT:	7,000 Lbs

LTR	DATE	REVISION	BY

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 1" OF INSULATION AND JACKETED WITH 22 GAUGE STEEL.
5. ALL DIMENSIONS ARE ±1/2" UNLESS OTHERWISE NOTED.

#6. HORSEPOWER & RELATED INFO BASED ON 4 SqFt FIRING.

SUPERIOR BOILER WORKS, INC.
HUTCHINSON, KANSAS

CHECKED BY
DRAWN BY ?
DATE
DATE

ARROWHEAD
BOILER MODEL
AR-4-320-S15-WB-G

SCALE 1/34

DRAWING No ?

REPRESENTATIVE: ?

PROJECT: ?

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