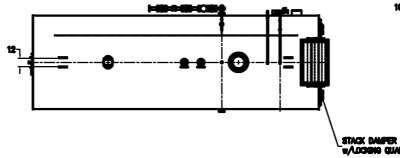
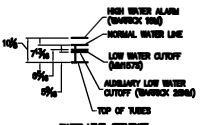
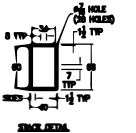
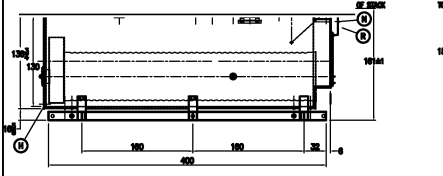


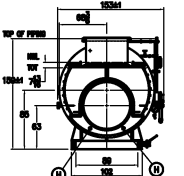


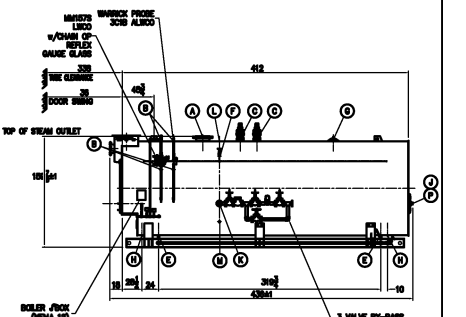
WATER LEVEL SEQUENCE



STACK DETAIL







BOILER CONNECTIONS		RATINGS & CAPACITIES	
A(1) STEAM OUTLET	10" 300# FLG	HORSEPOWER	2000HP
B,B1 LSCO	1" NPT	DESIGN PRESSURE	150 PSIG
C,C1 SAFETY VALVE	4" 300# FLG	GROSS OUTPUT	83968 MBHP
D,D1 SAFETY VALVE	4" 300# FLG	STEAM (100% & AT SEAT)	83,968 Lbs/Hour
E,E1 BOILER BLOWDOWN	2" NPT	HEAT RELEASE (FURNACE ONLY)	143,726 BTU/Cu/Hr
F,(1) SURFACE BLOWDOWN	1" NPT	RATED INPUT	104,958 MBHP
G,(1) MANWAY	16" x 12"	HEATING SURFACE (WWC)	5370 Sq/Ft
H,H1 HANDHOLE	3" x 4"	FURNACE HEATING SURFACE	570.66 Sq/Ft
J,(1) CLEANOUT	3" PIPE	FURNACE (ONLY) VOLUME	727.66 Cu/Ft
K,K1 FEEDWATER	2" 300# FLG	TURNAROUND VOLUME	110.72 Cu/Ft
L,(1) VENT	1" NPT	STEAMING VOLUME	3866.43 Cu/Ft
M,(1) LOW FIRE HOLD	1" NPT	STEAM RELEASE AREA	573.30 Sq/Ft
N,(1) STACK TEMP	1/2" NPT	WATER CAPACITY:	
P,(1) SNIFFER	1 1/2" PIPE	(FULL) 12,024 Gal =	100,400 Lbs
Q,( )		(NIL) 8,921 Gal =	82,900 Lbs
R,( )		SHIPPING WEIGHT:	168,000 Lbs
S,( )			

NOTES
1. ALL CONTROLS MOUNTED AS PER SPECIFICATION SHEET.
2. SPECIFICATION SHEET TAKES PRIORITY OVER G.A. & D SHEET.
3. BOILER DESIGN CODE ASME SECTION I
4. BOILER INSULATED WITH 3" 8# CERAMIC FIBER.
5. ALL DIMENSIONS ARE ±1/2" UNLESS OTHERWISE NOTED.
*1. HORSEPOWER & RELATED INFO BASED ON 3.5 Sq/Ft RQMT.

NO.	DATE	REVISION	BY

APPROVED
?
JOB NAME
?
?

DRAWN BY ?
CHECKED BY ?
DATE

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INDUSTRIAL BOILER

DRAWING NAME
10-X-9000-S150-

DRAWING No

SCALE
1/64

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