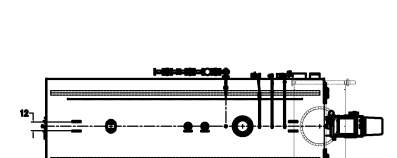
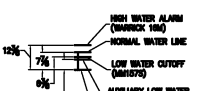
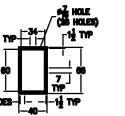
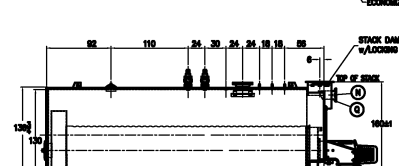


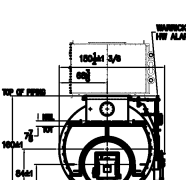


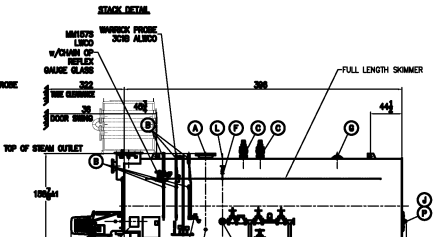
WATER LEVEL SEQUENCE



STACK DETAIL







BOILER CONNECTIONS		RATINGS & CAPACITIES	
A.(1) STEAM OUTLET	10" 300# FLG	HORSEPOWER	340HP
B.(6) LWCO	1" NPT	DESIGN PRESSURE	150 PSIG
C.(2) SAFETY VALVE	4" 300# FLG	GROSS OUTPUT	10,340 MBH
D.( ) SAFETY VALVE		STEAM (FROM & AT 212°F)	10,336 LBS/HR
E.(2) BOILER BLOWDOWN	2" NPT	HDT RATING (FERRIC OXY)	144,624 BTU/Cu.Ft.
F.(1) SURFACE BLOWDOWN	1" NPT	RATED INPUT	8,000 MBH
G.(1) MANWAY	12" x 16"	HEATING SURFACE (ASME)	3822 Sq.Ft.
H.(8) HANDHOLE	3" x 4"	FURNACE HEATING SURFACE	850.33 Sq.Ft.
J.(1) CLEANOUT	90° PIPE	FURNACE (GAS) VOLUME	688.44 Cu.Ft.
K.(1) FEEDWATER	2" 300# FLG	SUBMERGED VOLUME	110.63 Cu.Ft.
L.(1) VENT	1" NPT	STEAMING VOLUME	77.83 Cu.Ft.
M.(1) LOW FIRE HOLD	1" NPT	STEAM RELEASE AREA	393.71 Sq.In.
N.(1) STACK TEMP	1/2" NPT		
P.(1) THERMOPOST	1 1/2" FNPT	WATER CAPACITY	
Q.(1) FGR OUTLET	12" 150# FLG	(FULL)	12,288 Gal = 102,688 Lbs
R.(1) CHEMICAL FEED	1" NPT	(MIN.)	8,477 Gal = 70,850 Lbs
S.( )		SHIPPING WEIGHT=	167,000 Lbs

REV	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 I.
4. BOILER INSULATED WITH 2" - 8# DENSITY MINERAL FIBER INSULATION WITH 24 GAUGE STAINLESS STEEL JACKET.
5. ALL DIMENSIONS ARE ±1/2" UNLESS OTHERWISE NOTED.
6. HORSEPOWER & RELATED INFO BASED ON 3.0 Sq/ft RATING.

CLEAVER-BROOKS BOILER

10-3.6-8640-S150-WP-G

SCALE: 1/64

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