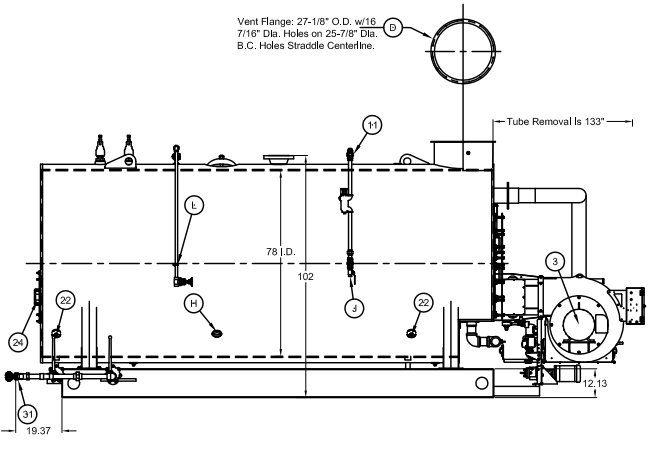


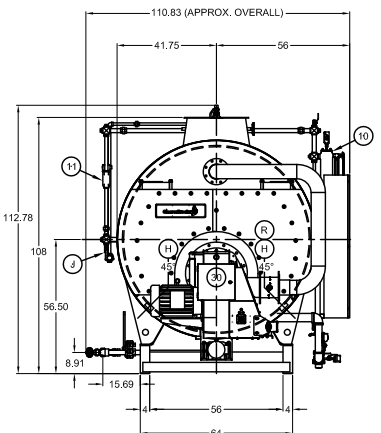
MAJOR COMPONENTS		SERVICE CONNECTIONS		NOTES
1	Control Panel	21	N/A	* Boiler is Designed and Constructed In Accordance with the ASME Boiler and Pressure Vessel Code - Section 1 High Pressure Boiler * This Unit Complies with Insurance Underwriters Requirement for Factory Mutual & GE Global Asset Protection * The Boiler Package is painted with High Temperature Light Blue Enamel * The Burner Operation is Full Modulating * The Boiler Burner Package Has A UL Label * All Valves to be Mounted, Hydro Tested, & Listed on All Applicable Forms This Boiler is Provided with: 1. Control Circuit Transformer 2. Welded End Caps on Baserails
2	Entrance Panel	22	N/A	
3	Blower Motor - 15 HP	23	Front Sight Port	
4	Air Compressor - 5 HP	24	Rear Sight Port	
5	Combustion Safeguard Control - CB-780E	25	Burner - LNEG-147	
6	Flame Scanner - Infrared	26	Alarm	
7	Pressure Control - Operating Limit	27	Low Fire Hold Control	
8	Pressure Control - High Limit (Manual Reset)	28	N/A	
9	Pressure Control - Modulating	29	N/A	
10	Main Low Water Column - Levelmaster II	30	Burner Junction Box	
11	Auxiliary Low Water Cutoff - Warrick 3C-2	31	Bottom Blowdown Piping	
12	Steam Gauge	32	Surface Blowdown Piping	
13	N/A	33	N/A	
14	Stack Thermometer	34	N/A	
15	Safety Valve (2) Set @ 150#	35	FGR Duct	
16	Gas Train	36	N/A	
17	Fuel Oil Piping Terminal	37	N/A	
18	Fuel Oil Pump Assembly	38	N/A	
19	Manway 12" x 16"	39	N/A	
20	N/A	40	N/A	
		A	Electric - Main Power Supply - 460 / 3 / 60	
		B	N/A	
		C	Exhaust Vent Pipe - 24" OD	
		D	Vent Flange (See Detail)	
		E	Steam Outlet - 6" 300# R.F. Flange	
		F	N/A	
		G	N/A	
		H	Feedwater - (2) 2.5 NPT	
		I	Bottom Blowdown - (2) 2 NPT	
		J	Water Column Blowdown - 0.75 NPT	
		K	Gauge Glass Blowdown - 0.25 NPT	
		L	Surface Blowoff - 1.0 NPT (W/ Collector Pipe)	
		M	N/A	
		N	Main Gas - TBD	
		O	Minimum Inlet Gas Pressure Required is 65" W.C. Maximum Inlet Gas Pressure Required is TBD	
		P	Rating - 119.5 gph	
		Q	Oil Outlet - 0.75 NPT	
		R	Chemical Feed - 1.0 NPT	
		S	Safety Valve - (1) Kunkle 6010HGE 1.5 x 2.0 FPT (Outlet)	
		T	Safety Valve - (1) Kunkle 6010HE 2.0 x 2.5 FPT (Outlet)	

BOILER SPECIFICATIONS

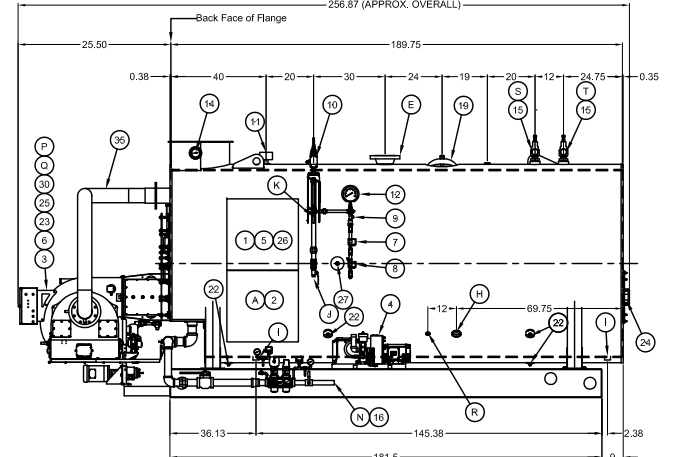
Boiler Designation - CBEX Premium 200 400
 Design Pressure - 150 ST
 Design Rating - 400 hp
 Emissions - 30 ppm
 Fuel(s) - No. 2 Oil & Natural Gas
 Steam Capacity - 13,800# steam @ 212 deg F
 Firetube Heating Surface - 1,128 Sq. Ft.
 Dry Weight - 21,050 LB
 Water Weight - 16,300 LB
 Gallons (Operating) - 1,955
 Code Compliance - FM, GE-GAP (NFPA-85), Former IRI



LEFT HAND VIEW



FRONT VIEW



RIGHT HAND VIEW

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REVISIONS	

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WARNING

LIFTING LUGS PROVIDED ON THE VESSEL SHALL ONLY BE USED TO LIFT THE VESSEL WHEN IT IS DRY.

WARNING

CHANGES, MODIFICATIONS OR ALTERATIONS ARE STRICTLY PROHIBITED. CHANGES TO THIS DRAWING AND SUBSEQUENT MODIFICATION OF EQUIPMENT COULD RESULT IN DAMAGE TO THE EQUIPMENT AND/OR SERIOUS PERSONAL INJURY.

Name
Location

DIMENSIONAL DIAGRAM

SIZE
D SHT 01 OF 01

SCALE
N.T.S.
DATE



DRAWN LES	CBEX-P 200	200	400	150ST
CHECKED BY DJM	460	3	60	3
DRWG. NO.				FM&GAP