



BOILER CONNECTIONS			QTY	BOILER RATINGS	
A	STEAM OUTLET:	12" 300# FLG	1	NOMINAL BOILER HORSEPOWER	1600 HP
B	LWCO:	1" NPT	4	DESIGN PRESSURE	150 PSIG STEAM
C	BOILER BLOWDOWN:	2" NPT	2	GROSS OUTPUT	53560 MBH
D	SURFACE BLOWDOWN:	1" NPT	2	STEAM OUTPUT (FROM & 212 °F)	55200 LBS/HR
E	SAFTY VALVE:	2" NPT	1	RATED INPUT	66950 MBH
F	SAFTY VALVE:	2" NPT	1	BOILER DATA	
G	MANWAY:	12" x 16"	1	HEATING SURFACE (ASME)	8104 SqFt
H	HANDHOLE:	3" x 4"	5	FURNACE VOLUME	486.13 CuFt
J	CLEANOUT PORT:	18" ID	1	TURNAROUND VOLUME	125.12 CuFt
K	FEEDWATER:	3" NPT	2	STEAMING VOLUME	271.60 CuFt
L	AUXILIARY/VENT:	2" NPT	1	STEAM RELEASE AREA	210.08 SqFt
M	LOW FIRE HOLD:	1" NPT	2	WATER CAPACITY:	
N	STACK TEMP:	1/2" NPT	2	(FULL 11502 Gal	95666 Lbs
P	SIGHT PORT:	1" PIPE	1	(NWL) 9470 Gal	78767 Lbs
Q	CHEMICAL FEED:	1" NPT	1	SHIPPING WEIGHT:	107,600 Lbs
R	EXTRA CONNECTION:	1 1/2" NPT	1		
S					

5					
4					
3					
2					
1					
REV	BY	DATE	CHK'D	DATE	DESCRIPTION

- NOTES
1. VICTORY ENERGY, L.L.C. RESERVES THE RIGHT TO CHANGE DIMENSION DUE TO PRODUCT REVISION OR JOB REQUIREMENTS.
 2. PRELIMINARY DIMENSIONS AND MAY BE USED FOR LAYOUT ONLY
 3. CONTROLS & PIPING ARE MOUNTED PER SPECIFICATION SHEET
 4. BOILER DESIGN CODE ASME SECTION I
 5. DIMENSIONS ARE ± 1/2" UNLESS OTHERWISE NOTED
 6. BOILER INSULATED WITH 2" - 8# DENSITY MINERAL FIBER INSULATION WITH 22 GAUGE STEEL JACKET
 7. HORSEPOWER & RELATED INFO BASED ON 5 SqFt FIRING

NOTES

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SCALE	DRAWN BY	DATE	CHECKED BY	DATE	DRAWING NUMBER	BOILER MODEL
1/70	X	X	X	X	VE - XXXX	F3-1600-S150-M

VICTORY ENERGY®
FULL STEAM AHEAD!
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FRONTIER series

REPRESENTATIVE: XX

PROJECT: XX