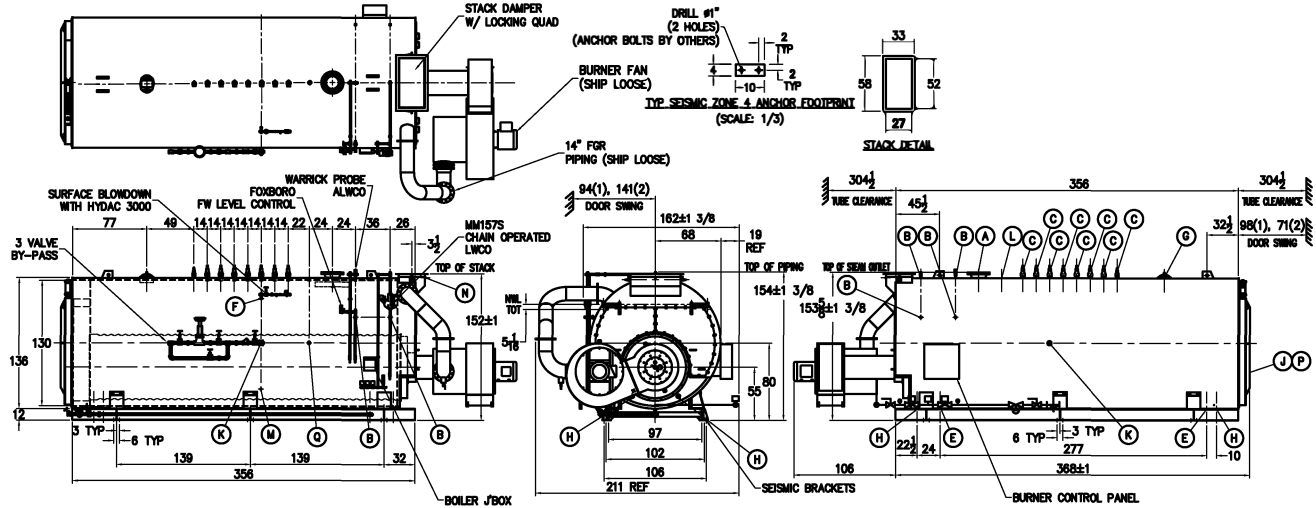

BOILER CONNECTIONS

A.(1) STEAM OUTLET	14" 300# FLG
B.(6) LWCO	1" NPT
C.(8) SAFETY VALVE	2" NPT
D.( ) SAFETY VALVE	
E.(2) BOILER BLOWDOWN	2" NPT
F.(1) SURFACE BLOWDOWN	1" NPT
G.(1) MANWAY	12" x 16"
H.(4) HANDHOLE	3" x 4"
J.(1) CLEANOUT PORT	17" ID
K.(2) FEEDWATER	3" NPT
L.(1) AUXILIARY/ VENT	2" NPT
M.(1) LOW FIRE HOLD	1/2" NPT
N.(1) STACK TEMP	1/2" NPT
P.(1) SIGHTPORT	1 1/4" PIPE
Q.(1) CHEMICAL FEED	1" NPT
R.( )	
S.( )	

RATINGS & CAPACITIES

HORSEPOWER	2000*
DESIGN PRESSURE	150 PSIG STEAM
GROSS OUTPUT	66950 MBH*
STEAM (FROM & AT 212°F)	69000 Lbs/Hr*
HEAT RELEASE: (FURNACE ONLY)	137283 BTU/CuFt*
RATED INPUT	83688 MBH*
HEATING SURFACE (ASME)	10050 SqFt
FURNACE HEATING SURFACE	496.76 SqFt
FURNACE VOLUME:	
FURNACE	609.60 CuFt
STEAMING VOLUME	323.41 CuFt
STEAM RELEASE AREA	225.56 SqFt
WATER CAPACITY:	
(FULL)	10,268 Gal ● 85,407 Lbs
(NWL)	7,849 Gal ● 65,285 Lbs
SHIPPING WEIGHT:	115,800 Lbs

LTR	DATE	REVISION	BY
A	3-10-05	TOP OF STEAM OUTLET WAS 152±1 3/8, BBD TO BBD WAS 283"	MDR
B	3-28-05	GAS TRAIN WAS SHOWN BOTH SIDES.	DER
C	3-30-05	FEDWATER CONNECTIONS WERE 2"	DMC
D	6-3-05	OAW WAS 153, FGR WAS RS, GAS TRAIN WAS LS. FW CONTROL WAS FISHER	MDR

REPRESENTATIVE:

PROJECT:

NOTES

1. ALL CONTROLS MOUNTED AS PER SPECIFICATION SHEET.
2. SPECIFICATION SHEET TAKES PRIORITY OVER R & D SHEET.
3. REAR DOOR SWING:
   (1) MIN SIDE, MAX REAR
   (2) MAX SIDE, MIN REAR
4. BOILER DESIGN CODE ASME SECTION I.
5. BOILER INSULATED WITH 2"-8# DENSITY MINERAL FIBER INSULATION WITH 22 GAUGE STEEL JACKET.
6. ALL DIMENSIONS ARE ±1/2" UNLESS OTHERWISE NOTED.
● 7. HORSEPOWER & RELATED INFO BASED ON 5 SqFt FIRING.

SUPERIOR BOILER

CHECKED BY	D. RIDDER	DATE 3-10-05
DRAWN BY	A. REUSSER	DATE 3-9-05

APACHE BOILER MODEL
8-5-10000-S150-WBCF-G

SCALE 1/90

DRAWING No 5090544

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