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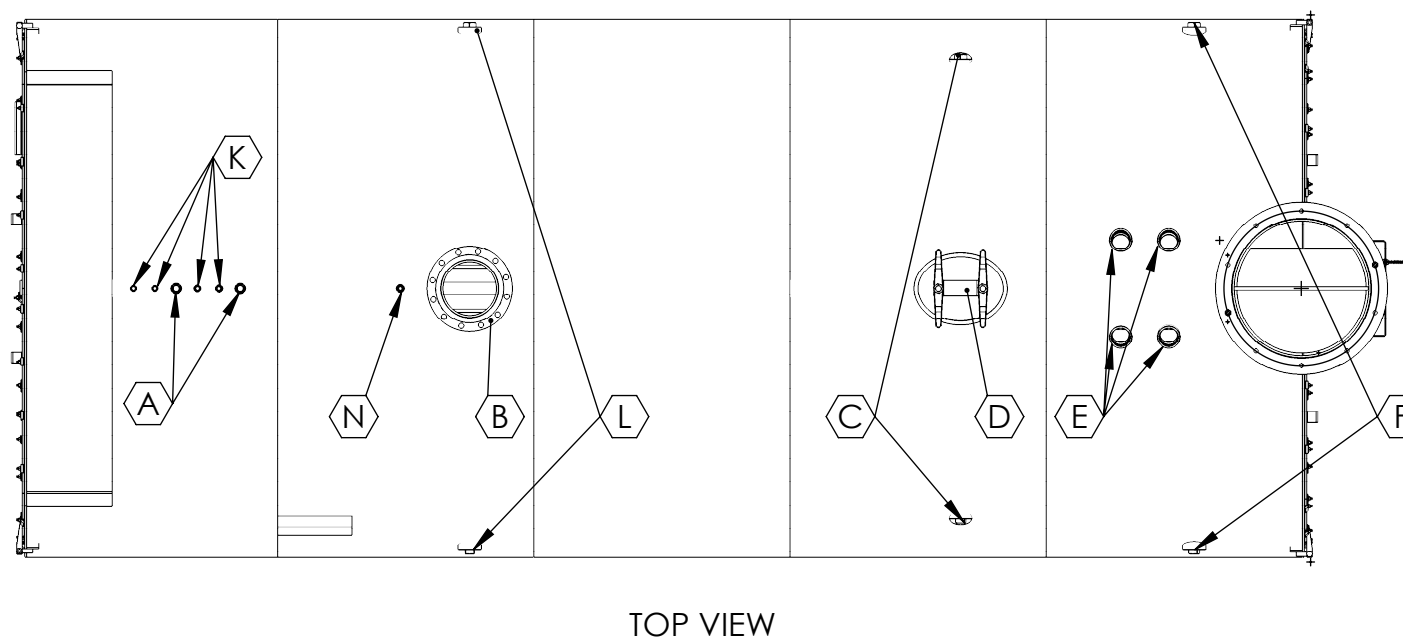
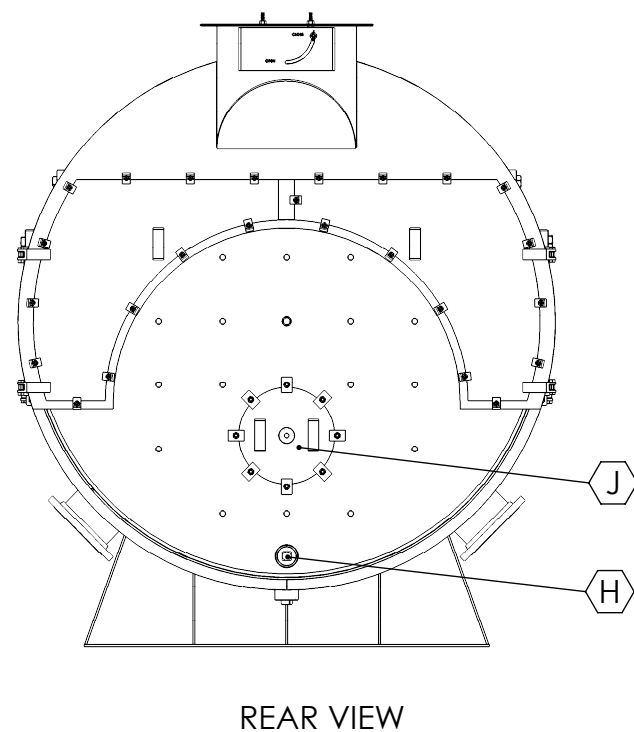
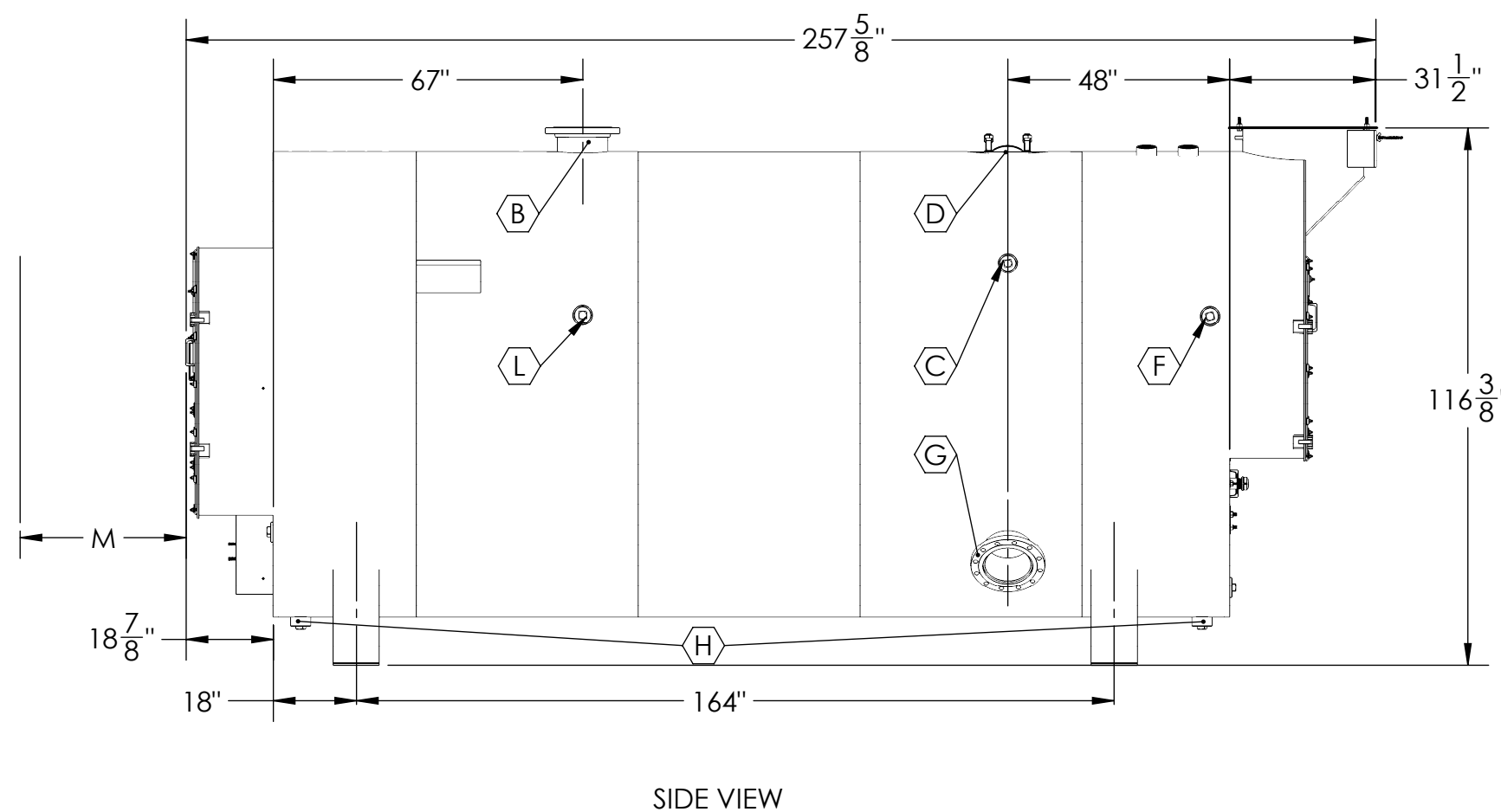
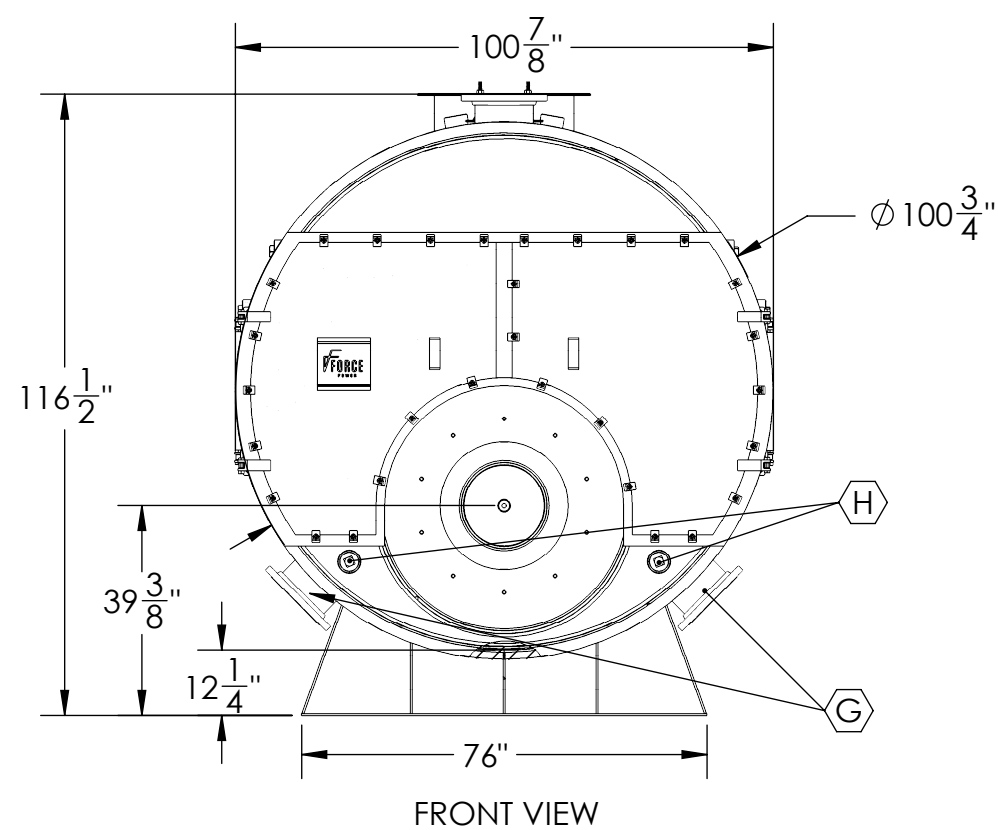
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BOILER DATA	
OPERATING VOLUME (USG)	3760
OPERATING WEIGHT (LBS)	59400
HEAT INPUT (MBH)	18380
OUTPUT (HP)	450

VENT FLANGE DIMENSIONS	
OD	32-1/4
ID	26
B.C.D.	29
NO. OF HOLES	10
HOLE DIAMETER	3/4

CONNECTION SCHEDULE				
TAG	DESCRIPTION	CONNECTION		
		SIZE (INCH)	TYPE	RATING
A	CONTROLS	1	FULL COUPLING	3000#
B	WATER SUPPLY, NPS	4	SORF FLANGE	150#
C*	SURFACE BLOWDOWN	3	FULL COUPLING	3000#
D	MANHOLE	12X16	ELLIPTICAL	
E	SAFETY RELIEF VALVE	3	FULL COUPLING	3000#
F*	REVERSING CHAMBER WASHOUT	3	FULL COUPLING	3000#
G*	WATER RETURN, NPS	4	SORF FLANGE	150#
H	WASHOUTS	3	FULL COUPLING	3000#
J	REAR DOOR	16		
K	THERMOSENSOR	1/2	FULL COUPLING	3000#
L*	FURNACE INSPECTION	3	FULL COUPLING	3000#
M	TUBE PULL	155		
N	PRESSURE GAGE	1/2	FULL COUPLING	3000#

\* - Owner chooses left/right installation



1. ADEQUATE BOIL OUT PROCEDURES MUST BE IMPLEMENTED BEFORE BOILER PLACED IN SERVICE (SEE OPERATION MANUAL).
2. PROPER WATER TREATMENT PROGRAM IS CRITICAL TO THE OPERATION OF THIS BOILER.
3. WARRANTIES, EXPRESSED OR IMPLIED, WILL BE RENDERED NULL AND VOID IF PROPER WATER TREATMENT PROGRAM IS NOT IMPLEMENTED AND MAINTAINED. CONSULT LOCAL WATER TREATMENT SPECIALISTS FOR DESIGN AND SUPPLY OF REQUIRED WATER TREATMENT SYSTEM.
4. ALL DIMENSIONS FOR REFERENCE ONLY.

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UNLESS OTHERWISE SPECIFIED:		NAME	DATE
DIMENSIONS ARE IN INCHES		DRAWN	SR 10/30/2015
TOLERANCES:		CHECKED	
ANGULAR: ± 0.25°		ENG APPR.	
TWO PLACE DECIMAL ± .010"		MFG APPR.	
THREE PLACE DECIMAL ± .005"		Q.A.	
SURFACE FINISH		COMMENTS:	
INTERPRET GEOMETRIC TOLERANCING PER: ANSI Y14.5			
MATERIAL SEE NOTE 1			
FINISH SEE NOTE 3			
NEXT ASSY	USED ON		
APPLICATION	DO NOT SCALE DRAWING		

30 Commerce Park Drive  
 Niskayuna, NY, 12309, USA  
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**FORCE**

TITLE: TCS-450W (3p) Boiler ASSY

SIZE	DWG. NO.	REV
C	54501_SM	-

SCALE: 1:48 WEIGHT: 31805.83 SHEET 1 OF 1

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