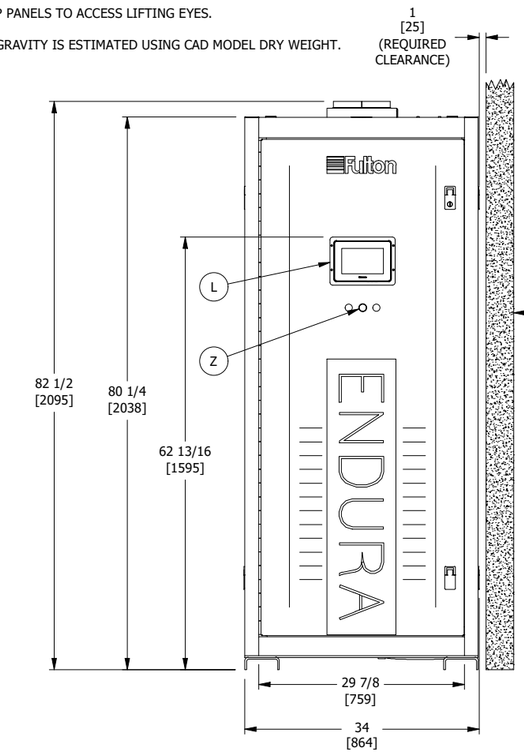
FIELD CONNECTIONS			
ITEM	DESCRIPTION	SIZE	TYPE
A	SUPPLY WATER OUTLET	4"	150# FLG.
B	FLUE GAS EXHAUST OUTLET (I.D.)	6"	-----
C	COMBUSTION AIR INLET (SEE NOTE 6)	8"	-----
D	BOILER DRAIN	3/4"	N.P.T.
E	FLUE GAS CONDENSATE DRAIN	1"	N.P.T.
F	RETURN WATER INLET	4"	150# FLG.
G	SAFETY RELIEF VALVE CONNECTION (SEE NOTE 3)	1 1/4"	N.P.T.
H	NATURAL GAS INLET	1 1/2"	N.P.T.
J	ELECTRICAL CONNECTION	----	----

NOTES:

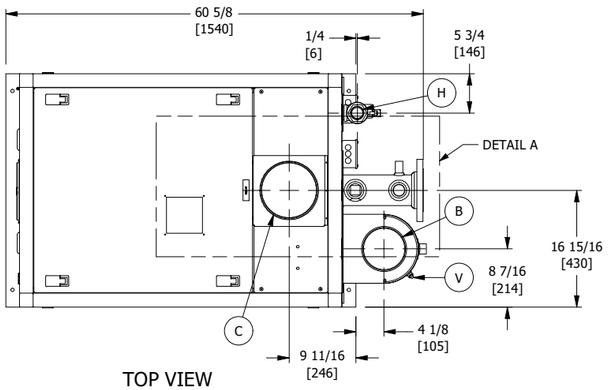
1. FRONT ACCESS DOOR REQUIRES A 34" [864mm] RADIUS SWING HINGED AT LEFT SIDE OF THE BOILER, FRONT CLEARANCE MINIMUM IS 36" [914mm], REAR CLEARANCE MINIMUM IS 24" [610mm], TOP CLEARANCE MINIMUM IS 18" [457mm] & SIDE CLEARANCE MINIMUM IS 1" [25mm].
2. THE PRESSURE VESSEL IS BUILT TO COMPLY WITH ASME SECTION IV.
3. APPROPRIATE SAFETY RELIEF VALVE IS DETERMINED BY TRIM PRESSURE & IS SUPPLIED IN THE TRIM KIT FOR FIELD INSTALLATION. INLET & OUTLET ARE NPT AND SIZES ARE AS FOLLOWS:

   60# - 3/4" INLET x 1" OUTLET
   100# - 3/4" INLET x 1" OUTLET
   125# - 3/4" INLET x 1" OUTLET
   160# - 3/4" INLET x 1" OUTLET

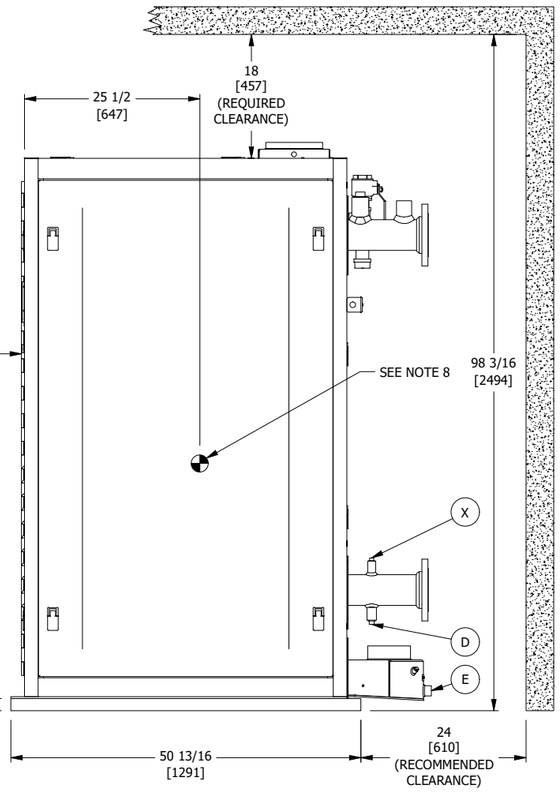
4. FOR ACCESS TO REAR INSPECTION OPENING & ASME STAMPING AREA, BACK COVER PANEL MUST BE REMOVED.
5. ALL DIMENSIONS ARE IN INCHES [MILLIMETERS] & ARE FOR REFERENCE ONLY. THIS DRAWING IS NOT FOR CONSTRUCTION PURPOSES.
6. AIR FILTER HOUSING CAN BE REMOVED AND REINSTALLED IN THE FIELD FOR LOWER CLEARANCE DURING INSTALLATION.
7. REMOVE TOP PANELS TO ACCESS LIFTING EYES.
8. CENTER OF GRAVITY IS ESTIMATED USING CAD MODEL DRY WEIGHT.



FRONT VIEW

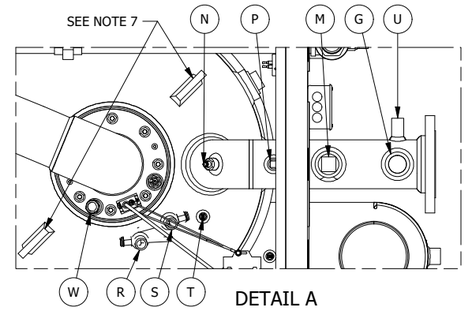


TOP VIEW

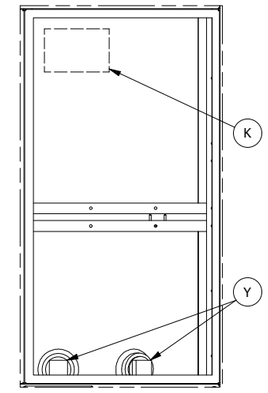


RIGHT SIDE VIEW

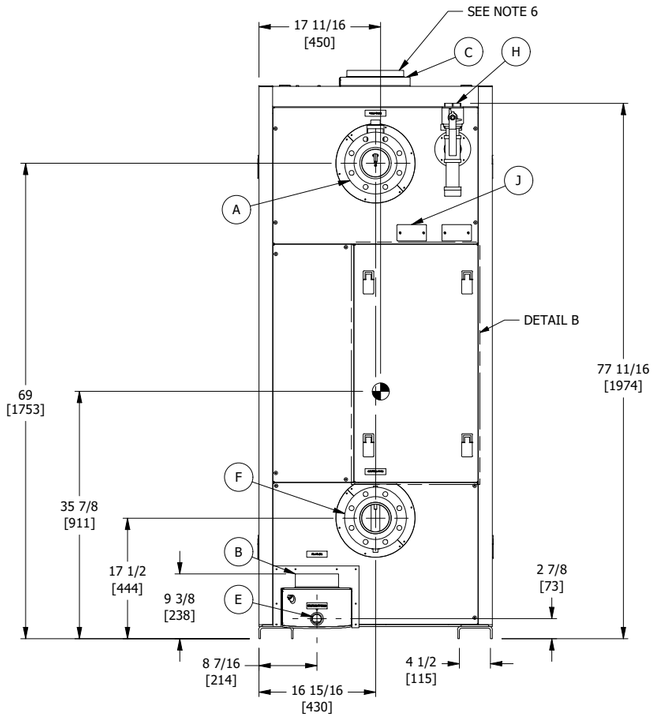
CALLOUTS			
ITEM	DESCRIPTION	SIZE	TYPE
K	ASME STAMPING AREA (SEE NOTE 4)	----	----
L	CONTROL DISPLAY	----	----
M	AUXILIARY CONNECTION	1 1/2"	N.P.T.
N	LOW WATER PROBE	1/2"	N.P.T.
P	AUXILIARY SAFETY DEVICE CONNECTION	1/2"	N.P.T.
R	HIGH LIMIT AQUASTAT	1/2"	N.P.T.
S	OPERATING AQUASTAT	1/2"	N.P.T.
T	OPERATING TEMPERATURE SENSOR	1/4"	N.P.T.
U	PRESSURE AND TEMPERATURE GAUGE CONNECTION (FIELD INSTALLED)	1/2"	N.P.T.
V	COMBUSTION ANALYSIS PORT	1/4"	N.P.T.
W	FLAME VIEW PORT	----	----
X	AUXILIARY RETURN WATER INSTRUMENTATION CONNECTION	1/2"	N.P.T.
Y	INSPECTION ACCESS (SEE NOTE 4)	2"	N.P.T.
Z	ON/OFF BUTTON	----	----



DETAIL A



DETAIL B
(SEE NOTE 4)



BACK VIEW

REV	REVISION DESCRIPTION	CHECKED	BOM/PLANT	MECH/ELEC	ASME	APPROVED
B	CORRECTED BALLOON FOR PRESSURE AND TEMPERATURE GAUGE CONNECTION (FIELD INSTALLED) FROM "S" TO "U" P.J.D. 4/26/2024	N/A	N/A	A.R.P 4/29/2024	N/A	K.D.B. 4/29/2024

REVISION HISTORY

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The items shown in this drawing may be covered by one or more patents of The Fulton Companies.

THIRD ANGLE PROJECTION

DRAWN BY: T. BETTS	9/25/2020	MECHANICAL / ELECTRICAL REVIEW: A. PEDROSA	10/2/2020	JOB NUMBER:	
CHECKED BY: N/A		ASME REVIEW: N/A		PROJECT NAME:	
B.O.M. / PLANT REVIEW: N/A		APPROVED BY: K. BOTTORFF	10/2/2020	PROJECT MANAGER:	

DESCRIPTION:
ENDURA 1500K PURE CONTROL CONDENSING HYDRONIC BOILER END ASSEMBLY

SHEET 1 OF 1

Fulton

DRAWING NUMBER
7-91-081500-PDS

REVISION
B