FIELD CONNECTIONS			
ITEM	DESCRIPTION	SIZE	TYPE
A	SUPPLY WATER OUTLET	4"	150# FLG.
B	FLUE GAS EXHAUST OUTLET (SEE NOTE 6)	8"	----
C	COMBUSTION AIR INLET	10"	----
D	BOILER DRAIN	1 1/2"	N.P.T.
E	FLUE GAS CONDENSATE DRAIN	1"	BARB
F	RETURN WATER INLET	4"	150# FLG.
G	SAFETY RELIEF VALVE CONNECTION (SEE NOTE 3)	1 1/2"	N.P.T.
H	NATURAL GAS INLET	1 1/2"	N.P.T.
J	HIGH VOLTAGE ELECTRICAL CONNECTION	----	----
K	LOW VOLTAGE ELECTRICAL CONNECTION	----	----

NOTES:
1. FRONT ACCESS DOOR REQUIRES A 30" [762mm] 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 24" [610mm] ONE SIDE ONLY.

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:

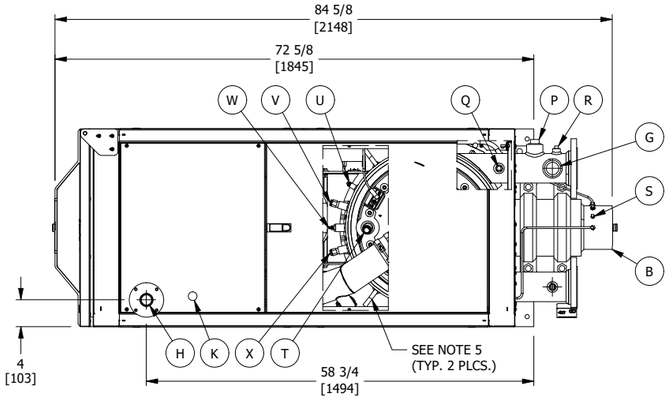
   60# - 1 1/4" INLET x 1 1/2" OUTLET
   100# - 1" INLET x 1 1/4" OUTLET
   125# - 3/4" INLET x 1" OUTLET
   160# - 3/4" INLET x 1" OUTLET

4. ALL DIMENSIONS ARE IN INCHES [MILLIMETERS] & ARE FOR REFERENCE ONLY. THIS DRAWING IS NOT FOR CONSTRUCTION PURPOSES.

5. REMOVE TOP PANEL TO ACCESS LIFTING EYES.

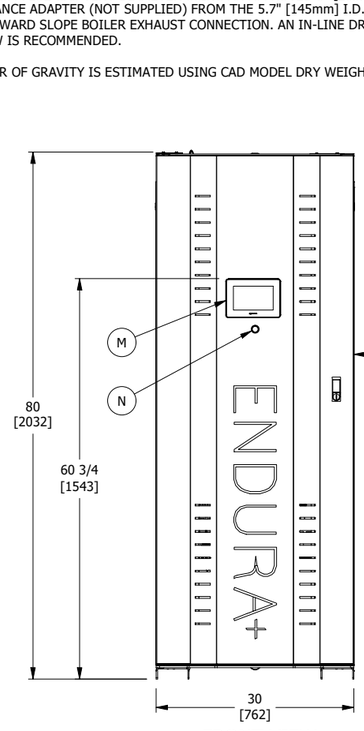
6. THE MINIMUM FLUE GAS VENT DIAMETER IS 8" [203mm] I.D. UPSIZE IMMEDIATELY TO THE MINIMUM FLUE GAS VENT DIAMETER USING AN APPROVED 8" [203mm] 89° ELBOW APPLIANCE ADAPTER (NOT SUPPLIED) FROM THE 5.7" [145mm] I.D. / 6.7" [170mm] O.D. / 1° DOWNWARD SLOPE BOILER EXHAUST CONNECTION. AN IN-LINE DRAIN IN OR ABOVE THE ELBOW IS RECOMMENDED.

7. CENTER OF GRAVITY IS ESTIMATED USING CAD MODEL DRY WEIGHT.

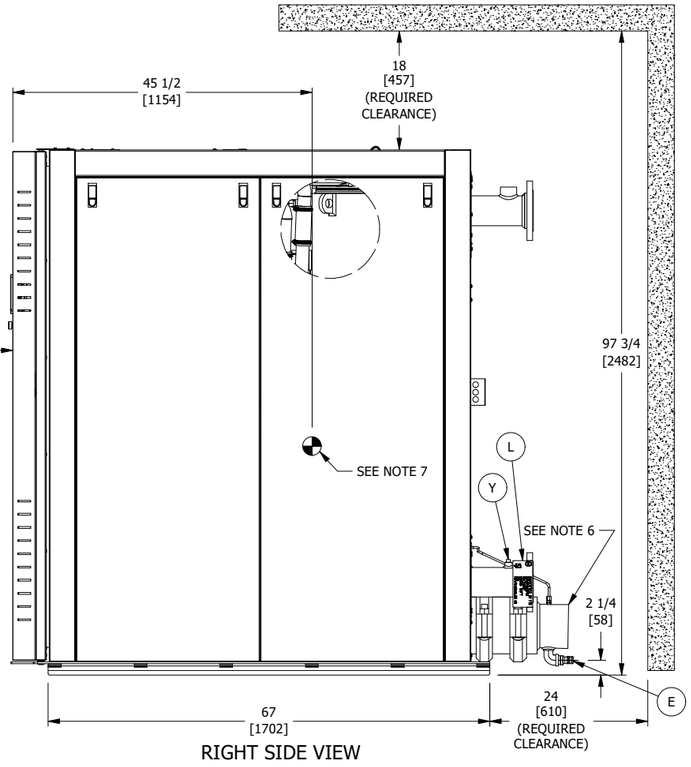


TOP VIEW

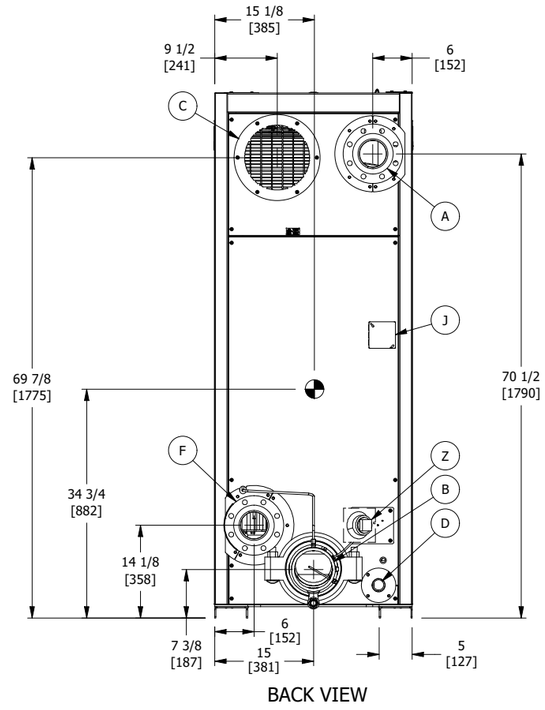
CALLOUTS			
ITEM	DESCRIPTION	SIZE	TYPE
L	ASME STAMPING AREA	----	----
M	CONTROL DISPLAY	----	----
N	ON/OFF BUTTON	----	----
P	AUXILIARY CONNECTION	1 1/2"	N.P.T.
Q	SECOND LOW WATER PROBE CONNECTION (OPTIONAL)	1/2"	N.P.T.
R	PRESSURE AND TEMPERATURE GAUGE CONNECTION (FIELD INSTALLED)	1/2"	N.P.T.
S	COMBUSTION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



FRONT VIEW



RIGHT SIDE VIEW



BACK VIEW

REV	REVISION DESCRIPTION	CHECKED	B.O.M.	MECH. ENG	ELEC. ENG	APPROVED
D	UPDATED SKID BASE PER EC 347. UPDATED TITLE BLOCK, REV. BLOCK & C.O.G. J. SHEPARD 1/22/24	N/A	N/A	N/A	N/A	A.R.P. 4/9/24

REVISION HISTORY

UNLESS OTHERWISE NOTED DIMENSIONS ARE IN INCHES

TOLERANCES	INCH	[METRIC]
FRACTION & WHOLE VALUE	± 1/8	± 3mm
(1) PLACE DEC.	± 0.03	± 0.7mm
(2) PLACE DEC.	± 0.015	± 0.38mm
(3) PLACE DEC.	± 0.005	± 0.12mm
ANGLE	± 0.50DEG	± 0.5 DEG
SURFACE FINISH 250 MICRO-INCHES	SURFACE FINISH 6.35 MICRO-METERS	

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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: R.A.S.	4/13/2018	MECHANICAL REVIEW: A.R.P.	4/16/2018	JOB NUMBER:
CHECKED BY: B.M.P.	4/19/2018	ELECTRICAL REVIEW: N / A		PROJECT NAME:
B.O.M. REVIEW: N / A		APPROVED BY: K.D.B.	4/18/2018	PROJECT MANAGER:

DESCRIPTION:
ENDURA+ EDR+2500, EDR+3000 CONDENSING HYDRONIC BOILER END ASSEMBLY

SHEET 1 OF 1

Fulton Thermal Corporation

DRAWING NUMBER: 7-91-315300-PDS

REVISION: D