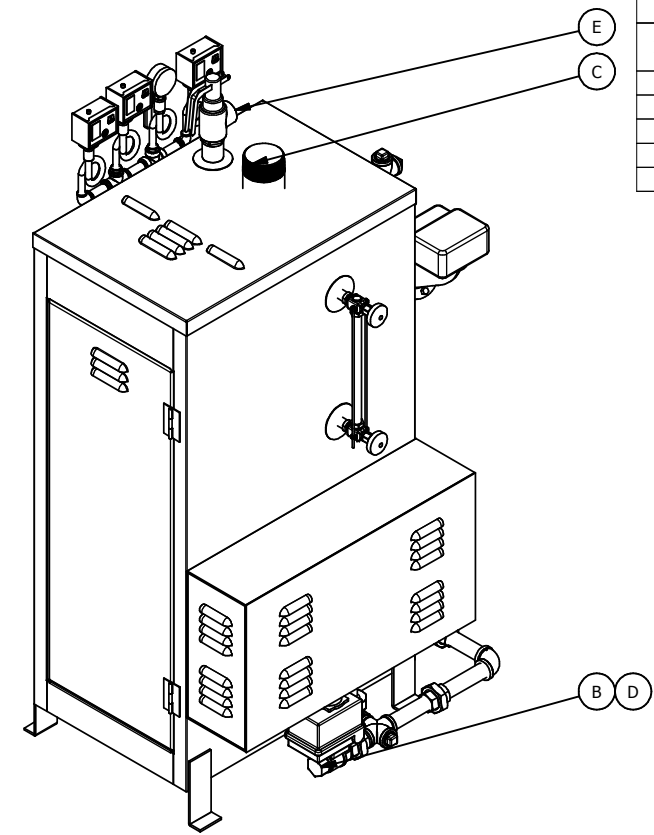


TOP VIEW



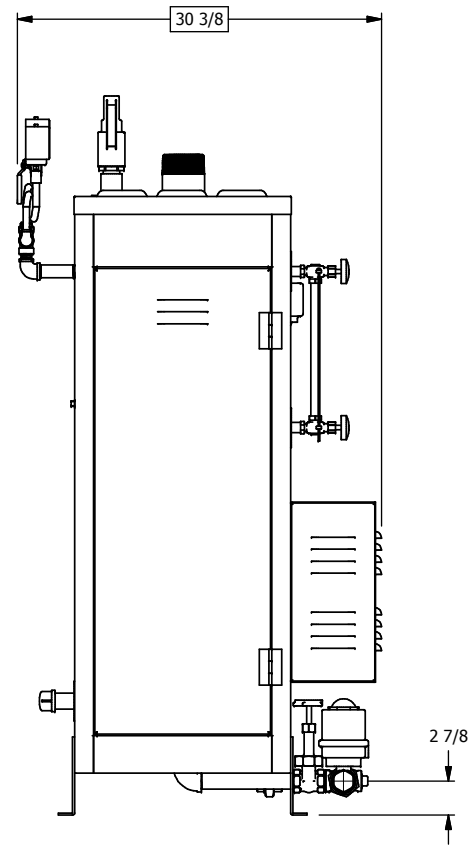
ISOMETRIC VIEW

CUSTOMER CONNECTIONS				
ITEM	DESCRIPTION	SIZE (100 PSI TRIM)	SIZE (15 PSI TRIM)	TYPE
A	FEED WATER INLET	1/2"	1/2"	N.P.T.
B	BLOWDOWN OUTLET	1"	1"	N.P.T.
C	STEAM OUTLET	2"	3"	N.P.T.
D	WATER COLUMN DRAIN	1"	1"	N.P.T.
E	SAFETY RELIEF VALVE	1 1/4"	1 1/2"	N.P.T.

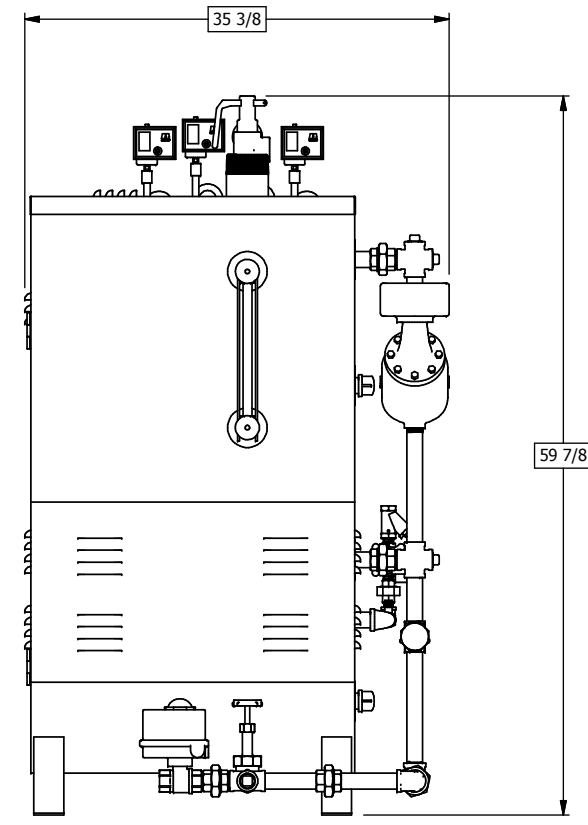
EQUIPMENT SPECIFICATION CHART	
TYPE:	ELECTRIC
MAX ALLOWABLE WORKING PRESSURE:	100 PSI
BOILER OUTPUT:	491,413 BTU/HR
STEAM OUTPUT/MIN. SRV CAPACITY:	506 LBS/HR
NUMBER OF ELEMENTS (WATTAGE PER ELEMENT):	8 (18 kW)
WATER CAPACITY (OPERATING):	23 GAL.
APPROXIMATE DRY WEIGHT:	645 LBS.
APPROXIMATE OPERATING WEIGHT:	837 LBS.
APPROXIMATE SHIPPING WEIGHT:	761 LBS.
APPROXIMATE FLOODED WEIGHT:	949 LBS.

ELECTRICAL REQUIREMENTS	
VOLTAGE	OPERATING FLA
208/60/3	400 AMPS
240/60/3	347 AMPS
380/60/3	219 AMPS
480/60/3	173 AMPS
600/60/3	139 AMPS

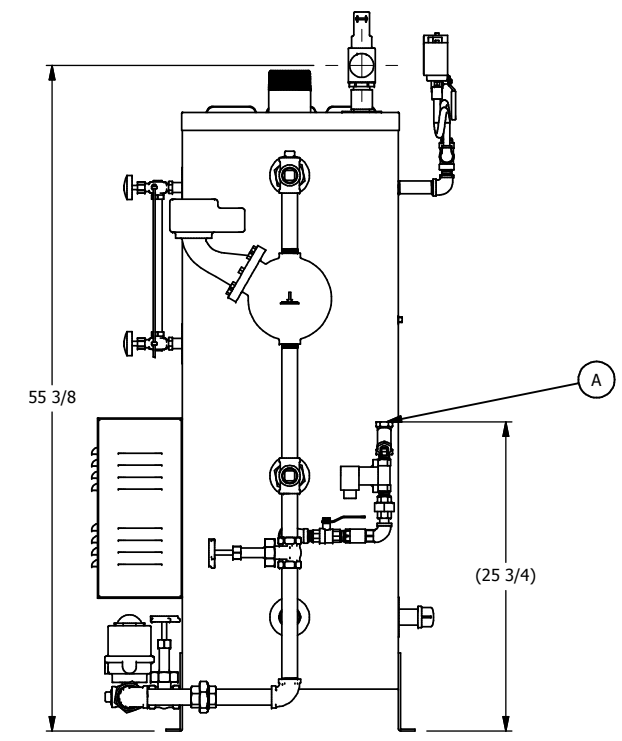
NOTE: OPERATING FULL LOAD AMPERAGE (FLA) REFERS TO THE BOILER'S RATED CURRENT DRAW AT HIGH FIRE.



FRONT VIEW



SIDE VIEW



BACK VIEW

- NOTES:
- STEAM OUTPUT LB/HR: FROM 0 PSIG AT 212°F (0 KG/CM<sup>2</sup> AT 100°C)
  - ALL CLEARANCES ARE FACTORY RECOMMENDATIONS. CONSULT LOCAL JURISDICTION FOR EXACT CODE COMPLIANCE.
  - FULTON RECOMMENDS MINIMUM CLEARANCE OF 36" IN FRONT OF ELECTRICAL PANELS AND 24" AROUND SIDES OF BOILER.
  - PLEASE REFER TO THE O&M MANUAL FOR ADDITIONAL INFORMATION REGARDING CLEARANCES AND INSTALLATION INSTRUCTIONS.
  - ALL DIMENSIONS INSIDE ( ) DENOTE REFERENCE DIMENSIONS.
  - ALL DIMENSIONS INSIDE □ DENOTE OVERALL DIMENSIONS.
  - WE RESERVE THE RIGHT TO CHANGE SPECIFICATIONS AND/OR DIMENSIONS. ALL INFORMATION IS SUBJECT TO CHANGE BASED ON ADDITION OF ANY OPTIONAL EQUIPMENT AND/OR ACCESSORIES. PLEASE CONSULT THE FACTORY FOR PROJECT SPECIFIC ESTIMATES IF ADDITIONAL OPTIONS OR ACCESSORIES ARE REQUIRED.
  - SAFETY RELIEF VALVE SIZING IS BASED ON 100 PSIG TRIM. OTHER TRIM PRESSURES WILL CHANGE SAFETY VALVE SIZE.

INITIAL RELEASE	----	----	----	----	----	
REV	REVISION DESCRIPTION	B.O.M.	ELEC. ENG	MECH. ENG	CHECKED	APPROVED
REVISION HISTORY						

UNLESS OTHERWISE NOTED DIMENSIONS ARE IN INCHES  
 TOLERANCES  
 FRACTION & WHOLE VALUE ± 1/8  
 (1) PLACE DEC. ± 0.03  
 (2) PLACE DEC. ± 0.015  
 (3) PLACE DEC. ± 0.005  
 ANGLE ± 0.5 DEG  
 SURFACE FINISH 250 MICRO-INCHES

This design and drawings are proprietary and are the exclusive property of Fulton Group N.A., Inc. The corporation does not permit their use except with prior written consent.

The items shown in this drawing may be covered by one or more patents of Fulton Group N.A., Inc.

DRAWN BY: C. AUSTIN	7/21/2016	MECH. ENG: EBW	7/28/2016	JOB NUMBER:
CHECKED BY:		ELEC. ENG:		PROJECT NAME:
B.O.M. REVIEW		APPROVED BY: WW	7/29/2016	PROJECT MANAGER:

DESCRIPTION:  
**FB-144E 144 KW HIGH PRESSURE ELECTRIC STEAM BOILER (100 PSI DESIGN)**

Fulton Group N.A., Inc 972 Centerville Road Pulaski, New York USA 13142	
DRAWING NUMBER <b>9-FBE-144PDS</b>	REV -