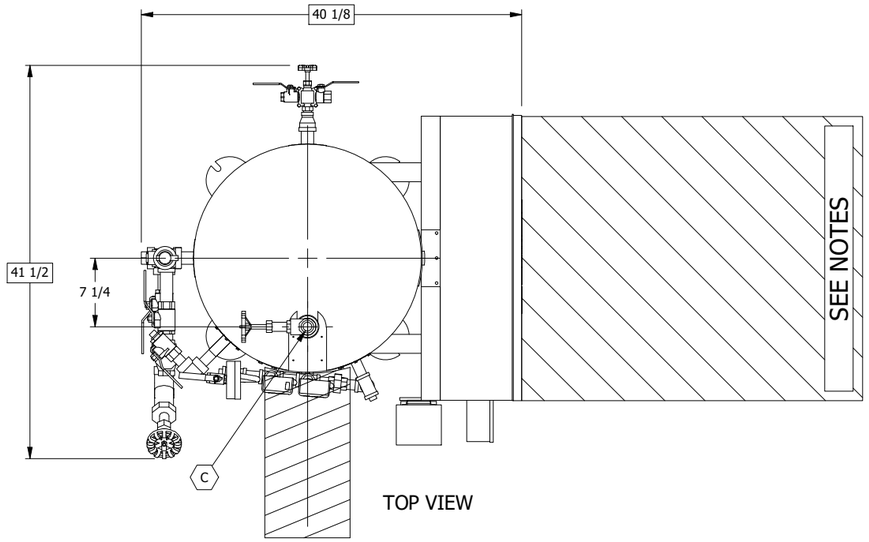


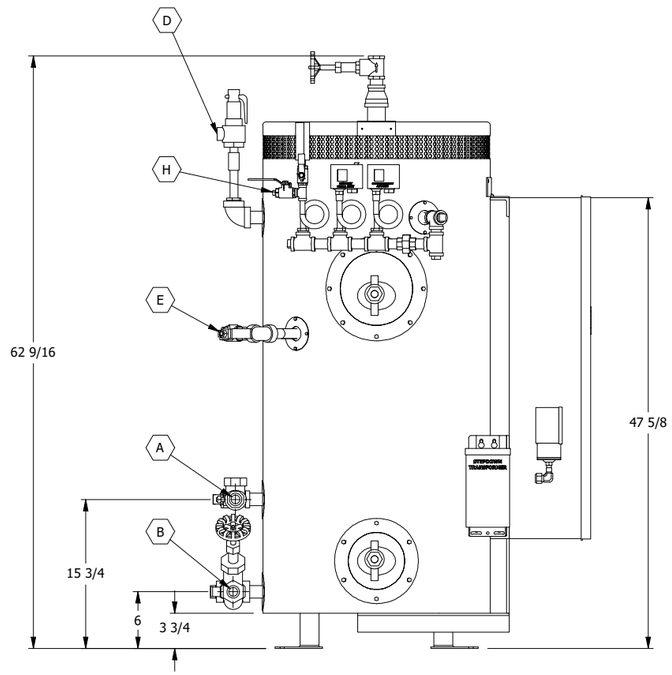
TOP VIEW

ELECTRICAL REQUIREMENTS	
VOLTAGE	FLA
240V/60/3	244
480V/60/3	122
575V/60/3	102

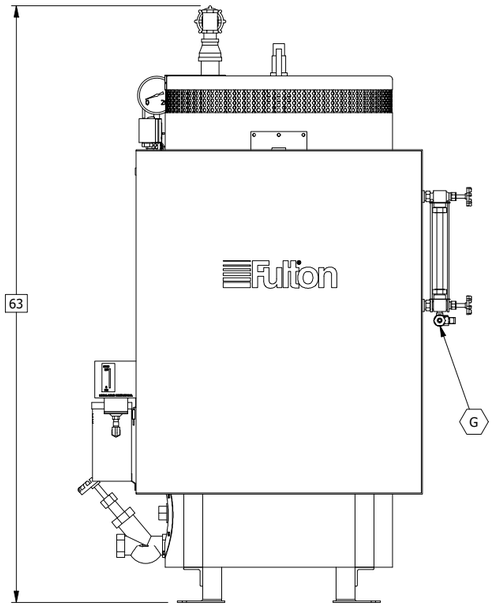
OPERATING FULL LOAD AMPERAGE (FLA) REFERS TO THE BOILERS RATED CURRENT DRAW AT FULL INPUT. FLA MAY VARY WHEN ADDITIONAL CONTROL OPTIONS ARE ADDED.

CUSTOMER CONNECTIONS				
ITEM	DESCRIPTION	SIZE	TYPE	SHIPPED LOOSE
A	FEEDWATER INLET	1"	N.P.T.	
B	BLOWDOWN OUTLET	1"	N.P.T.	
C	STEAM OUTLET **	1 1/2"	N.P.T.	
D	SAFETY RELIEF VALVE **	3/4"	N.P.T.	*
E	SURFACE BLOWDOWN	3/4"	N.P.T.	
F	WATER SAMPLE PORT	1/4"	N.P.T.	*
G	SIGHTGLASS DRAIN	1/4"	N.P.T.	*
H	STEAM SAMPLE PORT	1/4"	N.P.T.	

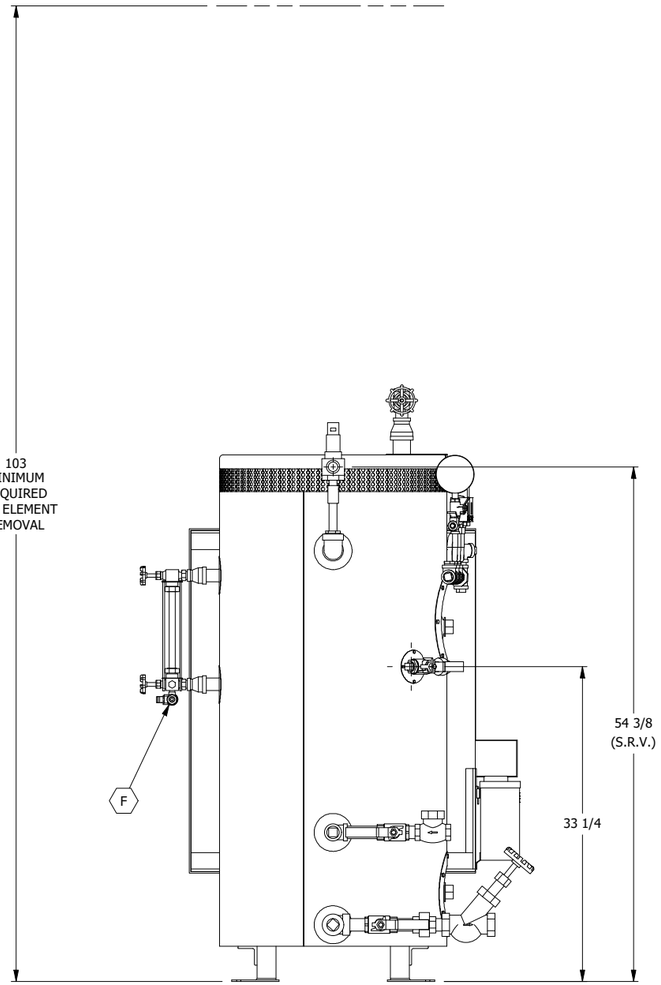
EQUIPMRNT SPECIFICATION CHART	
FUEL TYPE:	ELECTRIC
MAX ALLOWABLE WORKING PRESSURE:	150 PSI
BOILER INPUT:	100 KW
BOILER OUTPUT:	341,000 BTU/HR
STEAM OUTPUT/MIN. SRV CAPACITY:	351 LBS/HR
WATER CAPACITY (OPERATING):	34
WATER CAPACITY (FLOODED):	48
APPROXIMATE SHIPPING WEIGHT:	1,060 LBS.
APPROXIMATE OPERATING WEIGHT:	1,343 LBS.
APPROXIMATE FLOODED WEIGHT:	1,461 LBS.
NUMBER OF ELEMENTS:	(4) 25KW



LEFT VIEW



FRONT VIEW



BACK VIEW

NOTES:
1. STEAM OUTPUT LB/HR: FROM 0 PSIG AT 212°F (0 KG/CM AT 100°C)
2. DUE TO POWER RATINGS, COMPONENT SIZES, TYPES, QUANTITIES, ETC... PANEL BOX SIZE MAY VARY FROM WHAT IS SHOWN. ALL PRECUT OPENINGS IN PANEL BOX THAT ARE UNUSED WILL BE PLUGGED.
3. COMPONENTS IN TRIM KIT TO BE SHIPPED SEPARATELY.
4. WE RESERVE THE RIGHT TO CHANGE SPECIFICATIONS AND/OR DIMENSIONS.
5. DIMENSIONS INSIDE ( ) DENOTE REFERENCE DIMENSIONS.
6. DIMENSIONS INSIDE ☐ DENOTE OVERALL DIMENSIONS.
7. ** SIZE DEPENDS ON TRIM PRESSURE.
8. FULTON RECOMMENDS 36" CLEARANCE FOR PANEL BOXES AND 18" CLEARANCE OF HANDHOLES.
9. **OVERALL BOILER AND PANEL BOX SIZE VARIES BASED ON TRIM OPTIONS.**

REV	REVISION DESCRIPTION	B.O.M.	ELEC. ENG.	MECH. ENG	CHECKED	APPROVED
A	UPDATED BOILER OUTPUT & STEAM OUTPUT ON SPECIFICATION CHART J. SHEPARD 4/19/2021					E.B.W. 11/10/21

REVISION HISTORY

UNLESS OTHERWISE NOTED DIMENSIONS ARE DUAL DIMENSIONED

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	± 0.5DEG	± 0.5 DEG
SURFACE FINISH	250 MICRO-INCHES	6.35 MICRO-METERS

This design and drawings are proprietary and are the exclusive property of The Fulton Companies. 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 The Fulton Companies.

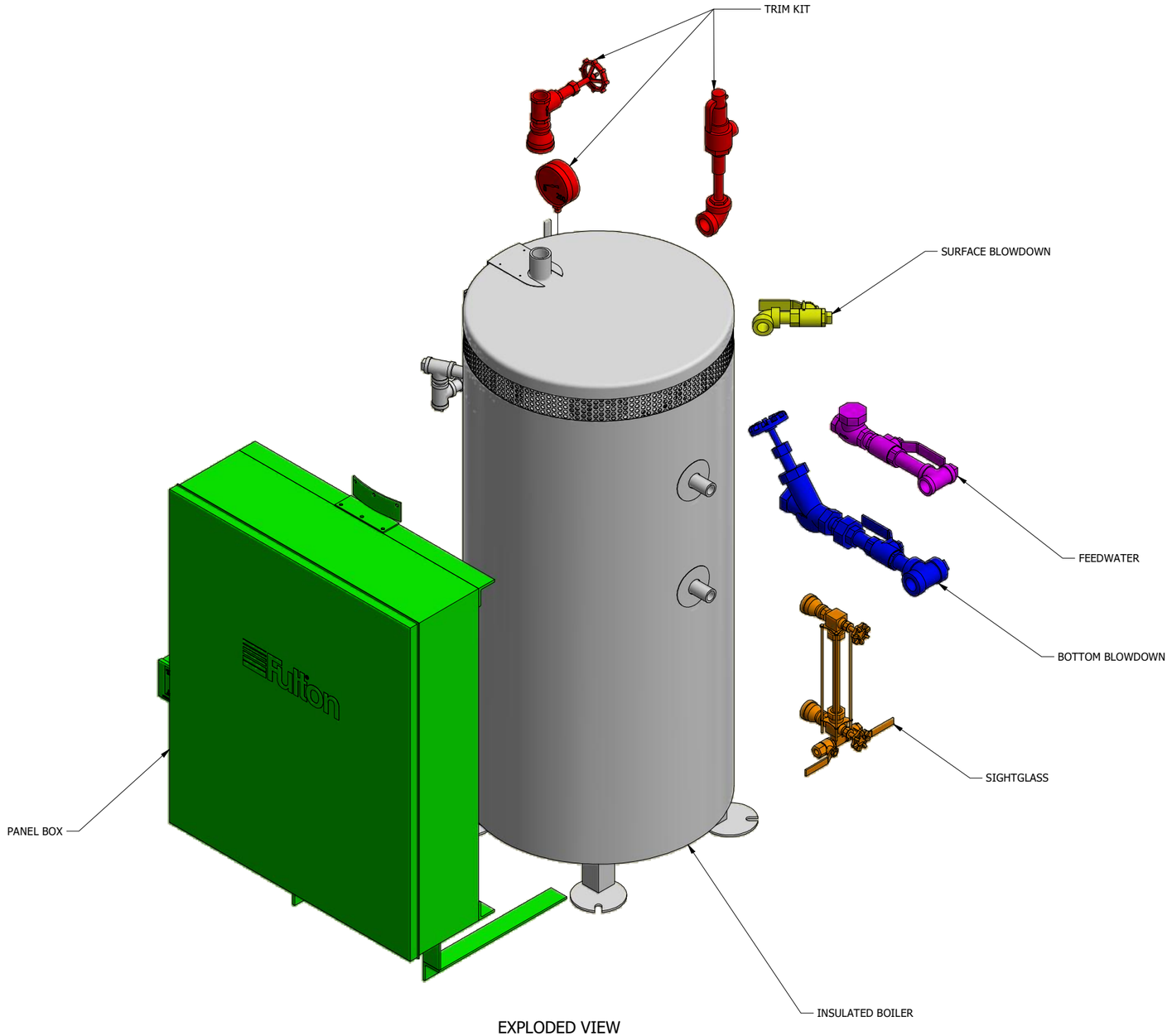
THIRD ANGLE PROJECTION

DRAWN BY: A. SHROCK 9/14/2020	MECHANICAL / ELECTRICAL REVIEW:	JOB NUMBER:	DESCRIPTION: 100 KW (10 HP) SECTION I HIGH PRESSURE ELECTRIC BOILER END ASSEMBLY
CHECKED BY:	ASME REVIEW:	PROJECT NAME:	
B.O.M. / PLANT REVIEW:	APPROVED BY: E.B.W. 9/22/2020	PROJECT MANAGER:	SHEET 1 OF 2

Fulton Steam Solutions, Inc.

DRAWING NUMBER 6-91-BE1001 - PDS

REVISION A



EXPLODED VIEW

REV	REVISION DESCRIPTION	B.O.M.	ELEC. ENG.	MECH. ENG	CHECKED	APPROVED
A	UPDATED BOILER OUTPUT & STEAM OUTPUT ON SPECIFICATION CHART J. SHEPARD 4/19/2021					E.B.W. 11/10/21

REVISION HISTORY

UNLESS OTHERWISE NOTED DIMENSIONS ARE DUAL DIMENSIONED

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

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THIRD ANGLE PROJECTION

DRAWN BY: A. SHROCK 9/14/2020
CHECKED BY:
B.O.M. / PLANT REVIEW:
MECHANICAL / ELECTRICAL REVIEW:
ASME REVIEW:
APPROVED BY: E.B.W. 9/22/2020
JOB NUMBER:
PROJECT NAME:
PROJECT MANAGER:

DESCRIPTION: 100 KW (10 HP) SECTION I HIGH PRESSURE ELECTRIC BOILER END ASSEMBLY

SHEET 2 OF 2

Fulton Steam Solutions, Inc.

DRAWING NUMBER: 6-91-BE1001 - PDS

REVISION: A