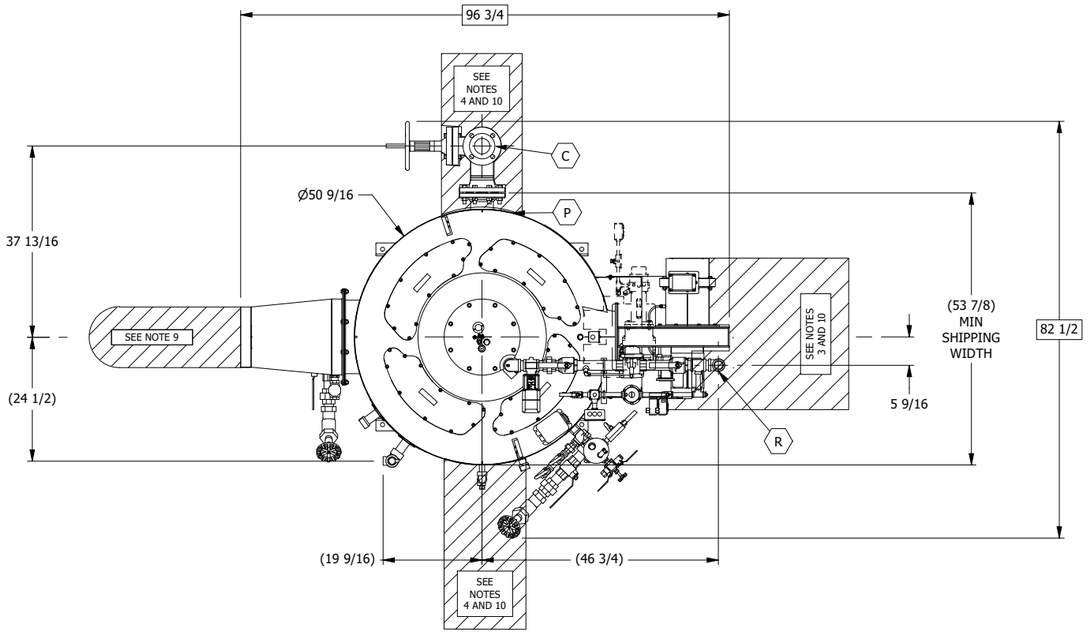


TOP VIEW

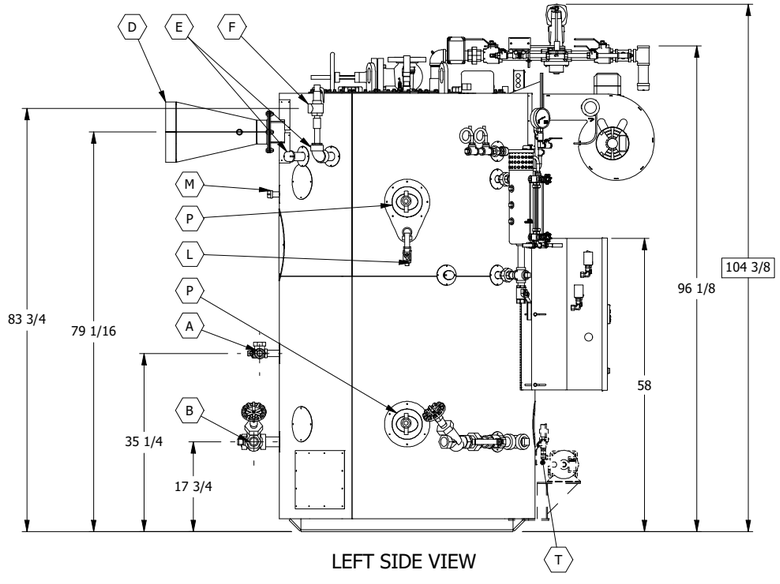
CUSTOMER CONNECTION				
ITEM	DESCRIPTION	SIZE (150 PSI TRIM)	SIZE (15 PSI TRIM)	TYPE
A	FEED WATER INLET	1"	1"	N.P.T.
B	BLOWDOWN OUTLET (2X)	1 1/2"	1 1/2"	N.P.T
C	STEAM OUTLET	3"	4"	150#

ELECTRICAL REQUIREMENTS		
VOLTAGE	FLA (GAS ONLY)	FLA (COMBO GAS/OIL)
208V, 60 CY, 3 PHASE	11.5	14
230V, 60 CY, 3 PHASE	9.5	12
460V, 60 CY, 3 PHASE	5	6
575V, 60 CY, 3 PHASE	4	5

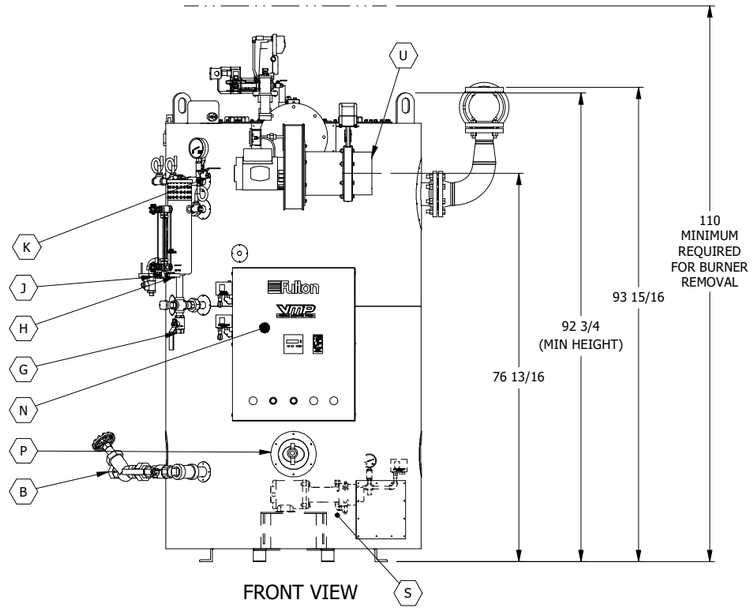
NOTE: FULL LOAD AMPERAGE (FLA)
REFERS TO THE BOILER'S RATED CURRENT DRAW
FOR STANDARD UNIT PACKAGES AND
MAY VARY SLIGHTLY WHEN ADDITIONAL CONTROL
OPTIONS ARE ADDED

CUSTOMER CONNECTION				
ITEM	DESCRIPTION	SIZE (150 PSI TRIM)	SIZE (15 PSI TRIM)	TYPE
D	FLUE OUTLET	12"	12"	- - -
E	SAFETY RELIEF VALVE INLET	1 1/4" (2X)	1 1/4" (2X)	N.P.T.
F	SAFETY RELIEF VALVE OUTLET**	1"	1 1/2" (2X)	N.P.T.
G	WATER COLUMN DRAIN	1"	1"	N.P.T.
H	SIGHT GLASS DRAIN	1/4"	1/4"	N.P.T.
J	WATER SAMPLE PORT	1/4"	1/4"	N.P.T.
K	STEAM SAMPLE PORT	1/4"	1/4"	N.P.T.
L	SURFACE BLOWDOWN (PLUGGED)	3/4"	3/4"	N.P.T.
M	HIGH WATER PROTECTION (CAPPED)	3/4"	3/4"	N.P.T.
N	PANEL BOX	- - -	- - -	- - -
P	HAND HOLES (4X)	3" X 4"	3" X 4"	- - -
R	GAS INLET	1 1/2"	1 1/2"	N.P.T.
S	OIL SUPPLY***	1/4"	1/4"	N.P.T.
T	OIL RETURN***	1/4"	1/4"	N.P.T.
U	COMBUSTION AIR INLET	8 1/2"	8 1/2"	- - -

EQUIPMENT SPECIFICATION CHART	
MAX ALLOWABLE WORKING PRESSURE:	150 PSI
BOILER INPUT: (NATURAL GAS) BOILER INPUT: (PROPANE) BOILER INPUT: (#2 OIL)	1,594 FT³/HR 638 FT³/HR 11.4 GPH
BOILER OUTPUT:	1,339,000 BTU/HR
STEAM OUTPUT/MIN. SRV CAPACITY:	1,380 LB/HR
NET EFFECTIVE HEATING SURFACE:	95 SQ. FT.
WATER CAPACITY (OPERATING): WATER CAPACITY (FLOODED):	153 GAL 197 GAL
APPROXIMATE SHIPPING WEIGHT: APPROXIMATE OPERATING WEIGHT: APPROXIMATE FLOODED WEIGHT:	5,475 LBS. 6,750 LBS. 7,125 LBS.
BURNER TURNDOWN: (GAS) BURNER TURNDOWN: (#2 OIL)	3:1 2:1
DRAFT REQUIREMENT:	-.02" TO -.04" WC
MINIMUM INCOMING GAS PRESSURE: MAXIMUM INCOMING GAS PRESSURE:	9" WC 138" WC



LEFT SIDE VIEW



FRONT VIEW

NOTES:

1. STEAM OUTPUT: FROM 0 PSIG AT 212°F (0 KG/CM² AT 100°C)
2. ALL CLEARANCES ARE FACTORY RECOMMENDATIONS. CONSULT LOCAL JURISDICTION FOR EXACT CODE COMPLIANCE.
3. FULTON RECOMMENDS MINIMUM CLEARANCE OF 36" IN FRONT OF ELECTRICAL PANELS.
4. FULTON RECOMMENDS 24" CLEARANCE BETWEEN INSPECTION OPENINGS OF ALL BOILERS, AND 18" CLEARANCE FOR HANDHOLES.
5. PLEASE REFER TO THE O&M MANUAL FOR ADDITIONAL INFORMATION REGARDING CLEARANCES AND INSTALLATION INSTRUCTIONS.
6. ALL DIMENSIONS INSIDE ( ) DENOTE REFERENCE DIMENSIONS.
7. ALL DIMENSIONS INSIDE □ DENOTE OVERALL DIMENSIONS.
8. 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.
9. RECOMMENDED STACK RUN IS MINIMUM 24" STRAIGHT OFF THE REAR OF THE BOILER, PRIOR TO MAKING A DIRECTIONAL CHANGE.
10. LOCAL CODES CAN SUPERCEDE FULTON RECOMMENDED CLEARANCE.
11. *STEAM OUTLET VARIES BY OPERATING PRESSURE.
12. **QUANTITY AND SIZE DEPENDS ON TRIM PRESSURE.
13. ***OIL PUMP ONLY PROVIDED ON COMBO AND OIL FIRED BOILERS

REV	REVISION DESCRIPTION	B.O.M.	ELEC. ENG.	MECH. ENG	CHECKED	APPROVED
A	ADDED OIL PUMP ASSY, UPDATED CUSTOMER CONNECTIONS, EQUIPMENT SPEC. CHART, NOTES, AND DESCRIPTION A. SHROCK 4/5/22				E.B.W. 4/26/22	W.W. 4/26/22

REVISION HISTORY

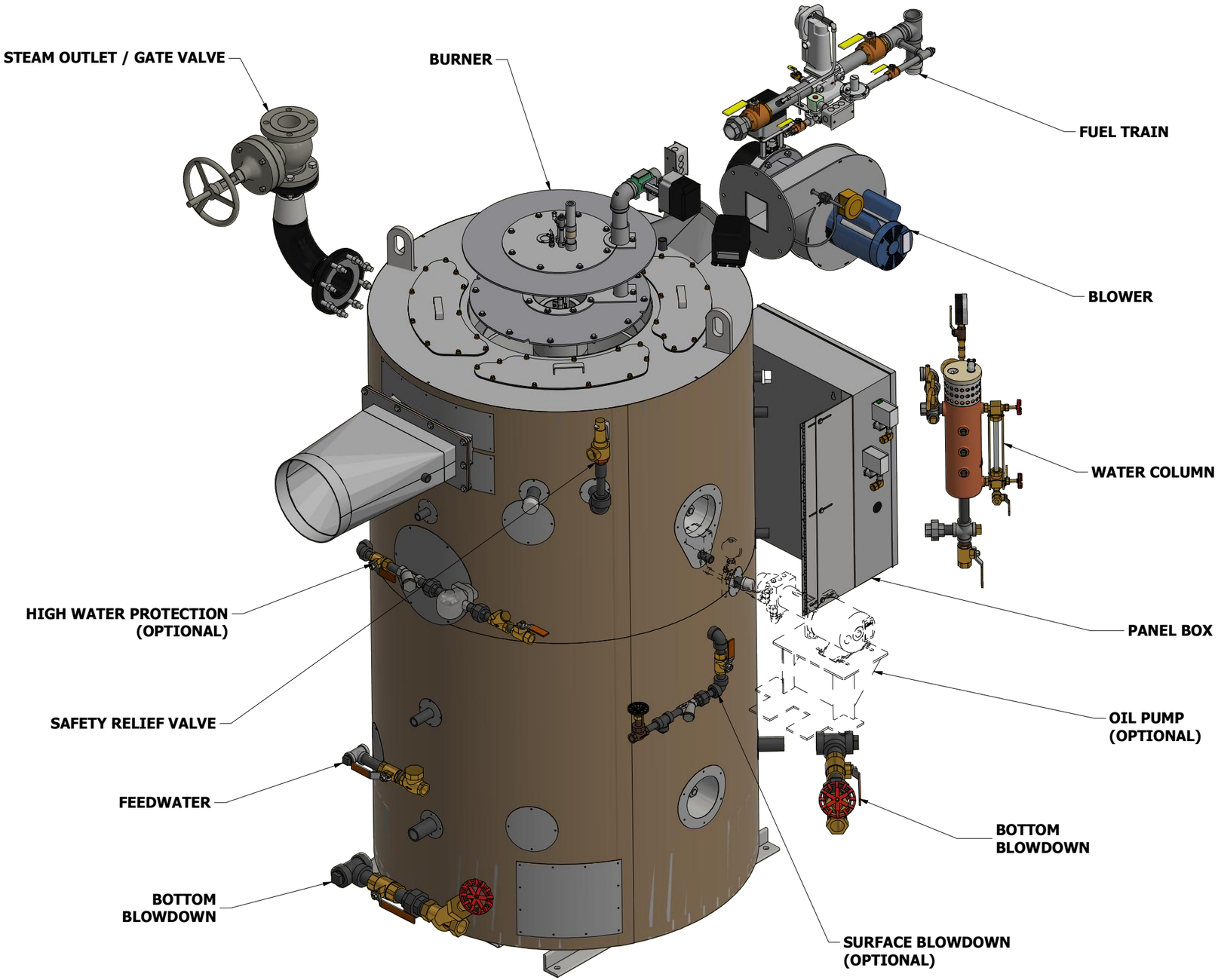
UNLESS OTHERWISE NOTED DIMENSIONS ARE IN INCHES
TOLERANCES
FRACTION & WHOLE VALUE ± 1/8
(1) PLACE DEC. ± 0.03
(2) PLACE DEC. ± 0.015
(3) PLACE DEC. ± 0.005
ANGLE ± 0.5 DEG
SURFACE FINISH 250 MICRO-INCHES

This design and drawings are proprietary and are the exclusive property of 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: T. KENNEDY 5/16/2018	MECHANICAL REVIEW: W.W. 7/19/2018	JOB NUMBER:	DESCRIPTION: 40 HP VMP BOILER (SECTION I, 150 PSI DESIGN)	Fulton Steam Solutions, Inc.	
CHECKED BY: J.F. 7/19/2018	ELECTRICAL REVIEW: N/A	PROJECT NAME:		DRAWING NUMBER 6-91-M04051 - PDS	REVISION A
B.O.M. REVIEW: N/A	APPROVED BY: K.H. 7/19/2018	PROJECT MANAGER:	SHEET 1 OF 2		



EXPLODED VIEW

REV	REVISION DESCRIPTION	B.O.M.	ELEC. ENG.	MECH. ENG	CHECKED	APPROVED
A	ADDED OIL PUMP ASSY, UPDATED CUSTOMER CONNECTIONS, EQUIPMENT SPEC. CHART, NOTES, AND DESCRIPTION A. SHROCK 4/5/22				E.B.W. 4/26/22	W.W. 4/26/22

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

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THIRD ANGLE PROJECTION

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CHECKED BY: J.F. 7/19/2018	ELECTRICAL REVIEW: N/A	PROJECT NAME:		DRAWING NUMBER 6-91-M04051 - PDS	REVISION A
B.O.M. REVIEW: N/A	APPROVED BY: K.H. 7/19/2018	PROJECT MANAGER:	SHEET 2 OF 2		