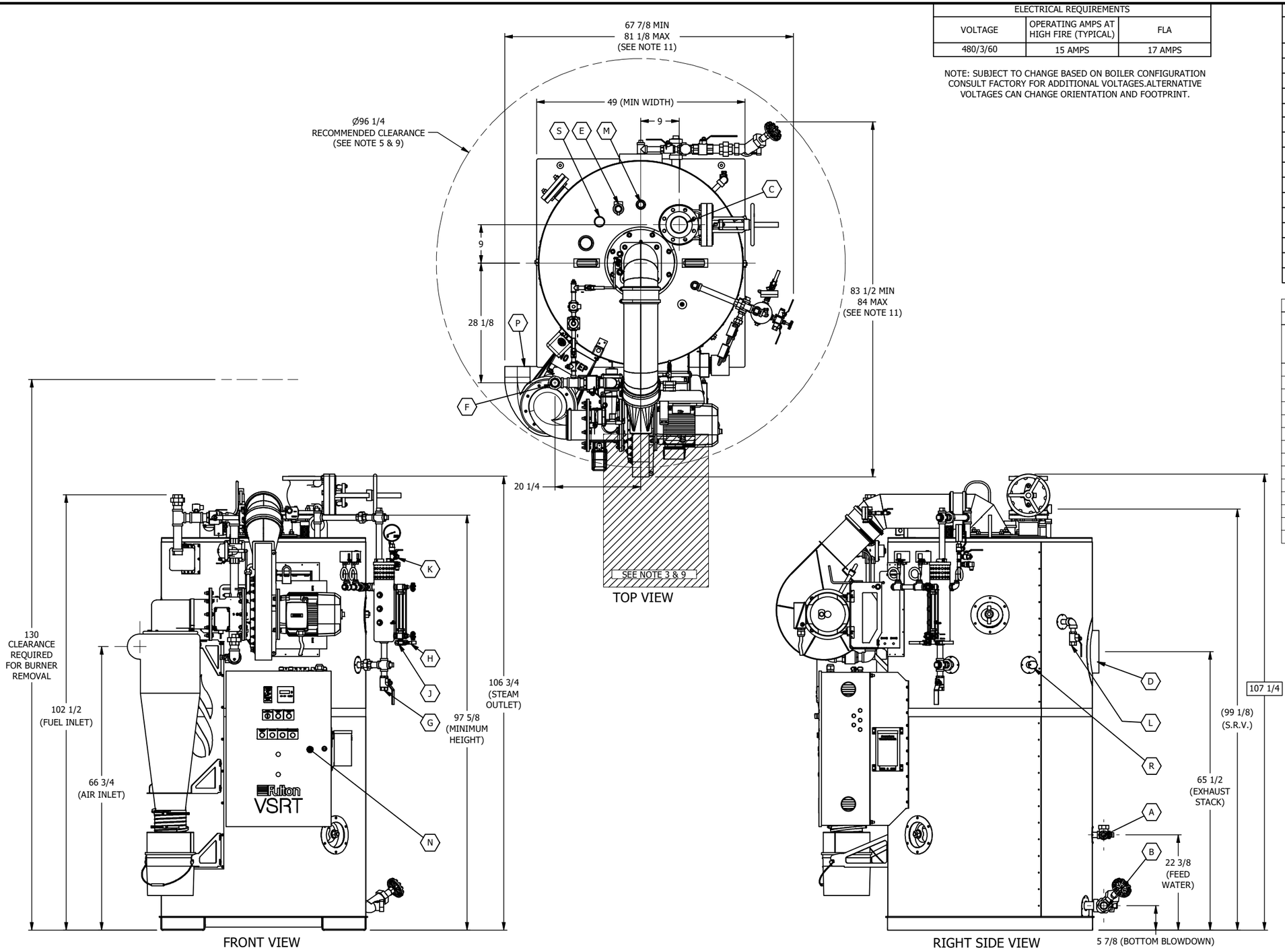

ELECTRICAL REQUIREMENTS		
VOLTAGE	OPERATING AMPS AT HIGH FIRE (TYPICAL)	FLA
480/3/60	15 AMPS	17 AMPS

NOTE: SUBJECT TO CHANGE BASED ON BOILER CONFIGURATION CONSULT FACTORY FOR ADDITIONAL VOLTAGES.ALTERNATIVE VOLTAGES CAN CHANGE ORIENTATION AND FOOTPRINT.

CUSTOMER CONNECTIONS				
ITEM	DESCRIPTION	SIZE (150 PSI TRIM)	SIZE (15 PSI TRIM)	TYPE
A	FEED WATER INLET	1"	1"	N.P.T.
B	BLOWDOWN OUTLET	1 1/2"	1 1/2"	N.P.T.
C	STEAM OUTLET	4"	4"	150#
D	EXHAUST STACK	10"	10"	- - -
E	SAFETY RELIEF VALVE*	3/4"	1 1/4" (2X)	N.P.T.
F	FUEL INLET	1 1/2"	1 1/2"	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	3/4"	3/4"	N.P.T.
M	HIGH WATER PROTECTION (CAPPED)	3/4"	3/4"	N.P.T.
N	SINGLE SOURCE POWER	- - -	- - -	N.P.T.
P	COMBUSTION AIR INLET	6"	6"	- - -
R	AUXILIARY WATER COLUMN (CAPPED)	1"	1"	N.P.T.
S	SECONDARY SAFETY RELIEF VALVE*	- - -	- - -	N.P.T.

EQUIPMENT SPECIFICATION CHART	
MAX ALLOWABLE WORKING PRESSURE:	150 PSI
BOILER INPUT: BOILER INPUT: (NATURAL GAS) BOILER INPUT: (PROPANE)	1,600,000 BTU/HR 1,600 CU FT/HR 640 CU FT/HR
BOILER OUTPUT:	1,339,000 BTU/HR
STEAM OUTPUT/MIN. SRV CAPACITY:	1,380 LBS/HR
NET EFFECTIVE HEATING SURFACE:	116 SQ. FT.
WATER CAPACITY (OPERATING):	333 GAL.
APPROXIMATE DRY WEIGHT:	5,100 LBS.
APPROXIMATE OPERATING WEIGHT:	7,864 LBS.
APPROXIMATE SHIPPING WEIGHT:	6,000 LBS.
APPROXIMATE FLOODED WEIGHT:	8,600 LBS.
BURNER TURNDOWN:	6:1
MINIMUM DRAFT REQUIREMENT:	-0.25" W.C.
MAXIMUM DRAFT REQUIREMENT:	+1.50" W.C.
MINIMUM INCOMING GAS PRESSURE:	3" W.C.
MAXIMUM INCOMING GAS PRESSURE:	13.8" W.C.
BURNER MOTOR WITH VFD:	7.5 HP

NOTES:

1. STEAM OUTPUT LB/HR: 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 MINIMUM CLEARANCE OF 24" ALL AROUND BOILER.
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. LOCAL CODES CAN SUPERCEDE FULTON RECOMMENDED CLEARANCE.
10. *SIZE DEPENDS ON TRIM PRESSURE.
11. OVERALL SIZE MAY VARY BASED ON TRIM AND OPTIONS

REV	REVISION DESCRIPTION	B.O.M.	ELEC. ENG.	MECH. ENG	CHECKED	APPROVED
C	CHANGED RECOMMENDED CLEARANCE AREAS TO ALL AROUND ZONE; UPDATED NOTES. S.CLARK 12/01/22	N/A	N/A	N/A	T.K. 8/23/23	T.K. 8/23/23

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	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: T. KENNEDY 6/6/2018	MECHANICAL REVIEW: K.H. 8/10/2018	JOB NUMBER:	DESCRIPTION: VSRT-40 GAS FIRED MODULATING STEAM BOILER
CHECKED BY: S.R.W. 8/13/2018	ELECTRICAL REVIEW: N/A	PROJECT NAME:	
B.O.M. REVIEW: N/A	APPROVED BY: W.W. 8/10/2018	PROJECT MANAGER:	SHEET 1 OF 1

Fulton Thermal Corporation

DRAWING NUMBER 6-91-290040 - PDS

REVISION C