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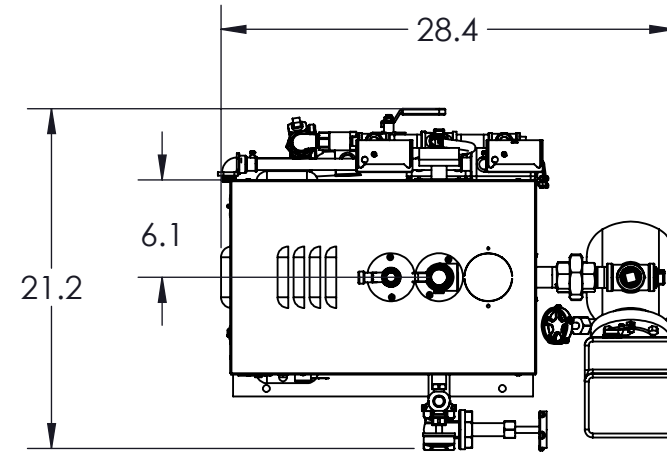
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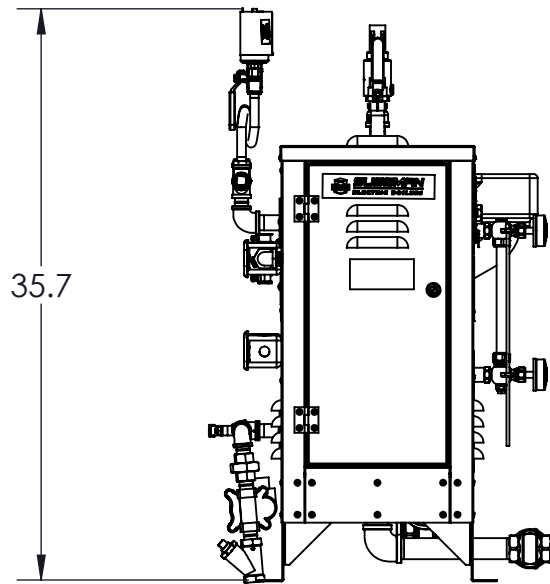
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Notes:

- 1. For ES12 to ES18, 15, 50, and 100 psi trims, all voltages and phase
- 2. Boiler is UL listed to standard 834
- 3. Materials of construction:
 - 1. Vessel and Piping: Carbon Steel
 - 2. Jacket: Stainless Steel
- 4. Pressure vessel built in accordance with ASME Section 1 and carries an "M" stamp
- 5. Completed boiler is built in accordance with ASME Section 1 and carries an "E" Stamp
- 6. Refer to Technical Data Sheet at www.sussmanboilers.com for more information

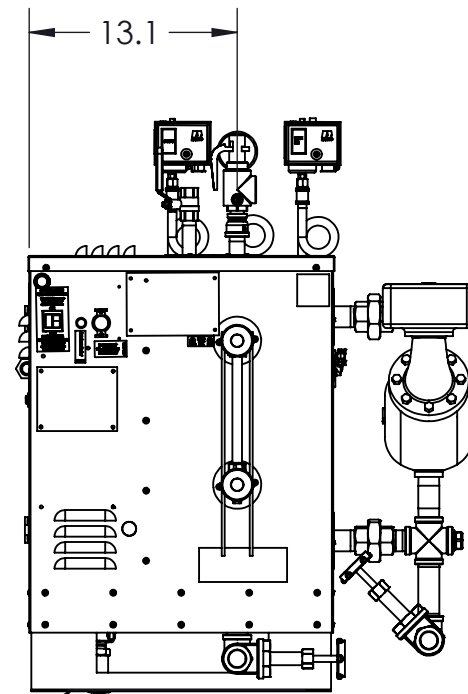


Top

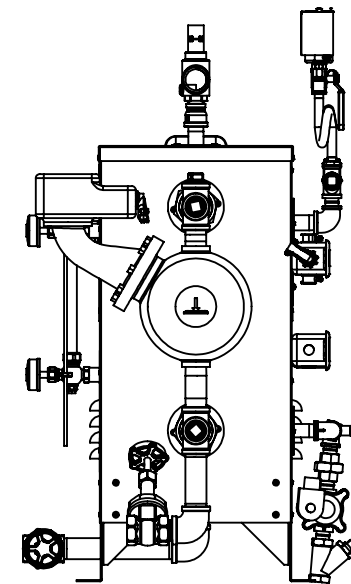


Left

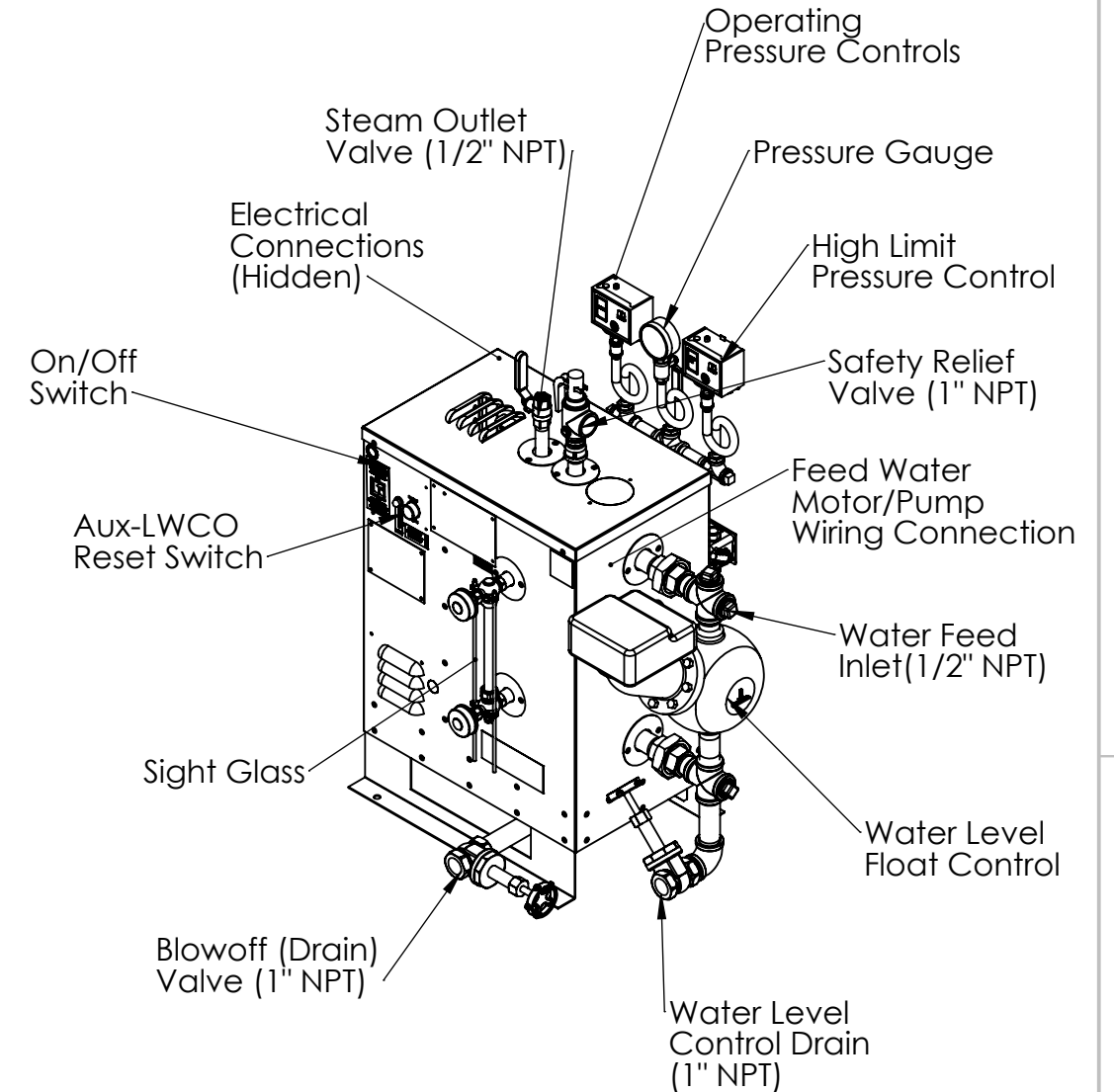
Mounting Holes:
4 x Ø .437"



Front



Right



DIMENSIONS ARE SHOWN IN INCHES [CENTIMETERS]
 TOLERANCES ARE AS FOLLOWS UNLESS OTHERWISE SPECIFIED
 X.XX X.XXX X.XXXX ANGULAR FINISH
 ±.12 ±.031 ±.0156 ±1.0° 250
 REMOVE AND DEBURR SHARP EDGES AND CORNERS
 ALL DIMENSIONS ARE AFTER FINISH OR PLATING
 REFERENCE DIMENSIONS ARE SHOWN IN PARENTHESES ()
 CRITICAL DIMENSIONS ARE SHOWN IN

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439 MAIN RD. TOWACO NJ 07082
 PHONE: (800) 221-1522 FAX: (718) 386-7809

TITLE
 ES12-ES18 ELECTRIC STEAM BOILER
 15 PSI, 50 PSI, 100 PSI

A		FOR RELEASE	JH	12/26/23	THIRD ANGLE PROJECTION	DWG. SCALE	MATERIAL SPEC:		NAME	DATE	DWG#	REV
REV	ECN	REVISION DESCRIPTION	NAME	DATE		1:12		DRAWN BY	JH	12/26/2023		
								CHECKED BY			SHEET 1 OF 2	

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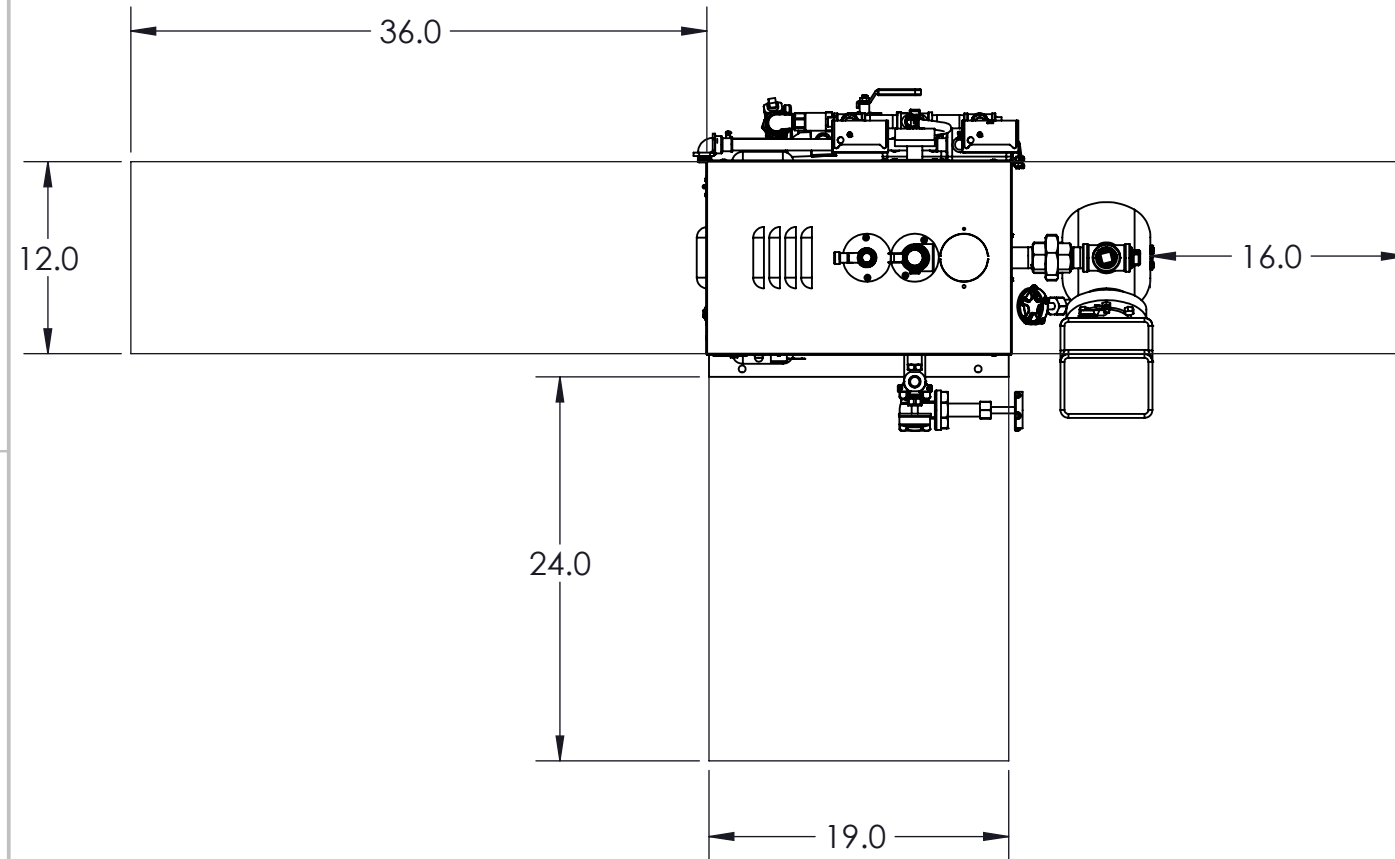
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Notes:

1. Minimum 1" clearance to all combustible materials
2. Service clearances to be in conformance to NEC requirements

Service Clearance Requirements



Boiler	kW	Pressure	Elements	Voltage	Amp Draw		Control Voltage	Steam Flowrate (lbs/hr)	Feed Water Consumption (GPM)	Reccomended Min. Feed Water Rate (gpm)
					1P	3P				
ES12	12	15 50 100	1 x 12kw	208	58	33	120	36.2	0.072	0.217
				240	50	29				
				380	32	18	240			
				415	29	17				
				480	25	14	120			
600	20	12								
ES18	18	15 50 100	1 x 18kw	208	87	50	120	54.2	0.108	0.325
				240	75	43				
				380	47	27	240			
				415	43	25				
				480	38	22	120			
600	30	17								

Boiler	Total Volume (gal)	Operating Volume (gal)	Dry Weight (LBS.)	Wet Weight (LBS.)	Shipping Weight (LBS.)	Outlet Size (NPT)	Water Feed Inlet Size (NPT)	Drain Outlet Size (NPT)	Safety Valve Outlet Size (NPT)
ES12	6.1	3.82	152	184	230	1/2"	1/2"	1"	1"
ES18									

Note: All weights do not include options. See option drawings for additional weights

DIMENSIONS ARE SHOWN IN INCHES (CENTIMETERS)
TOLERANCES ARE AS FOLLOWS UNLESS OTHERWISE SPECIFIED
X.XX X.XXX X.XXXX ANGULAR FINISH
±.12 ±.031 ±.0156 ±1.0° 250
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							CHECKED BY		SHEET 2 OF 2	

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