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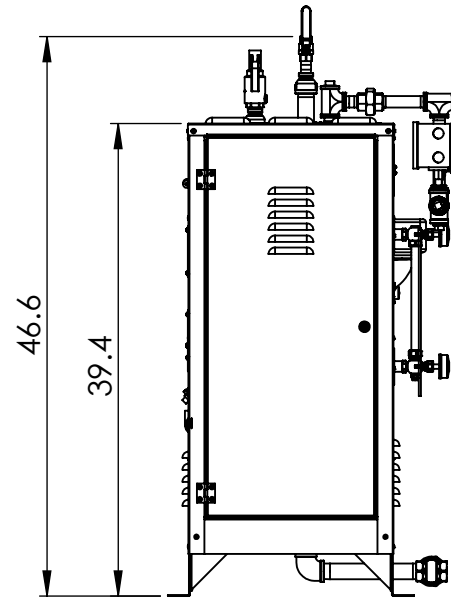
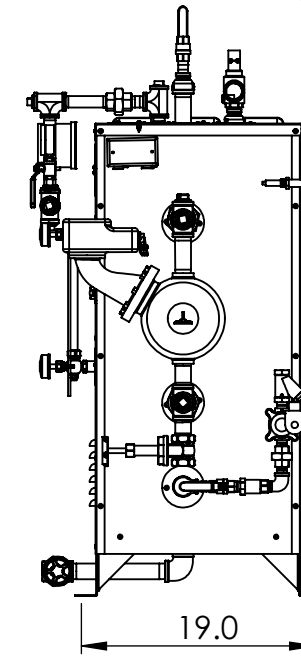
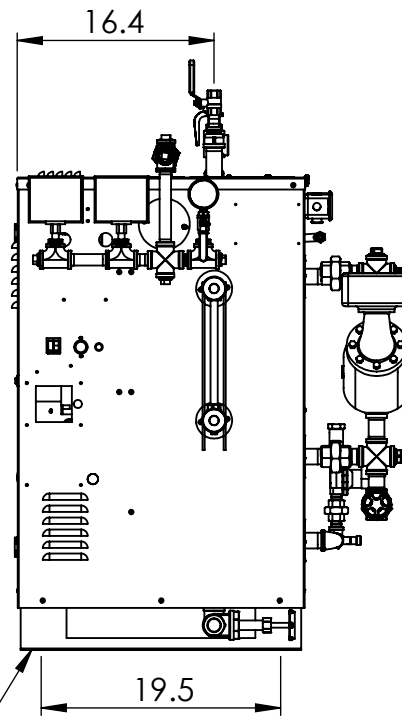
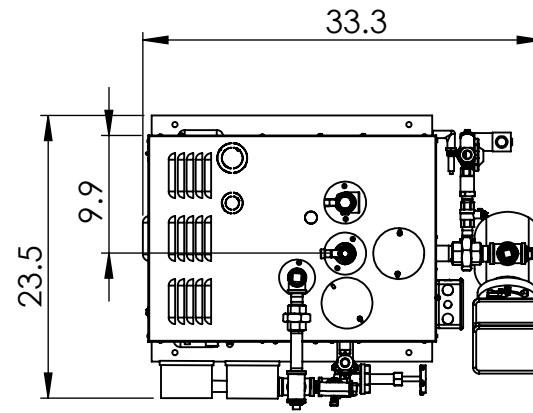
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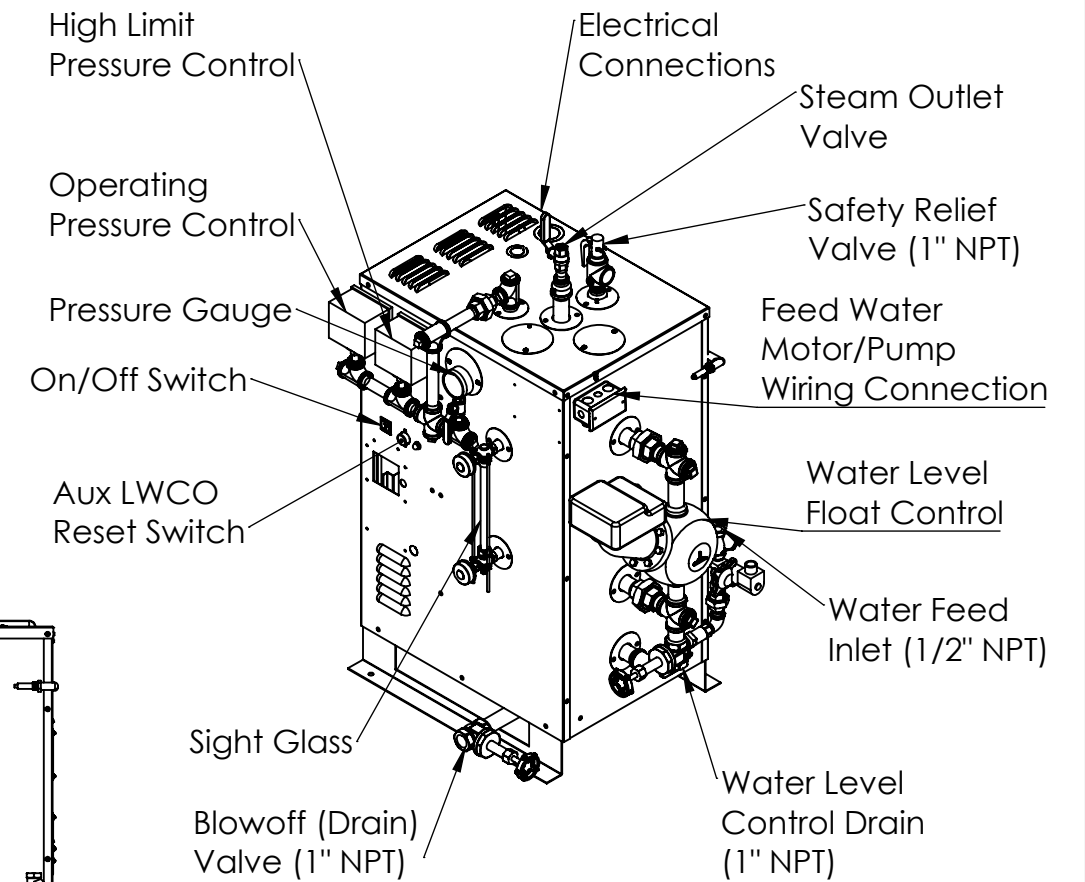
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Notes:

- 1. For ES72 208V/3 boilers, see Sheets 3 & 4 for dimensions and clearance requirements
- 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 "S" 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



Mounting Holes:
4 x Ø .437"



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-ES72 ELECTRIC STEAM BOILER,
150 PSI

A		FOR RELEASE	JH	5/31/24
REV	ECN	REVISION DESCRIPTION	NAME	DATE

THIRD ANGLE PROJECTION	DWG. SCALE	MATERIAL SPEC:	NAME	DATE	DWG#	REV
	1:16		JH	5/31/2024	ES12-ES72	
			CHECKED BY		SHEET 1 OF 4	

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Boiler	kW	Pressure	Elements	Voltage	Amp Draw	Control Voltage	Steam Flowrate (lbs/hr)	Feed Water Consumption (GPM)	Reccomended Min. Feed Water Rate (gpm)
ES12	12	150	1 x 12kw	208	58(1P) 33	120	36.2	0.072	0.217
				240	50(1P) 29	240			
				380	32(1P) 18				
				415	29(1P) 17				
				480	25(1P) 14	120			
ES18	18		1 x 18kw	208	87(1P) 50	120	54.2	0.108	0.325
				240	75(1P) 43	240			
				380	47(1P) 27				
				415	43(1P) 25				
				480	38(1P) 22	120			
ES24	24	2 x 12kw	208	115(1P) 67	120	72.3	0.145	0.434	
			240	100(1P) 58	240				
			380	63(1P) 37					
			415	58(1P) 33					
			480	50(1P) 29	120				
ES30	30	1 x 12kw 1 x 18kw	208	144(1P) 83	120	90.4	0.181	0.542	
			240	125(1P) 72	240				
			380	79(1P) 46					
			415	72(1P) 42					
			480	63(1P) 36	120				
ES36	36	2 x 18kw	208	173(1P) 100	120	108	0.216	0.648	
			240	150(1P) 87	240				
			380	95(1P) 55					
			415	87(1P) 50					
			480	75(1P) 43	120				
ES48	48	1 x 12kw 2 x 18kw	208	231(1P) 133	120	145	0.290	0.870	
			240	200(1P) 116	240				
			380	127(1P) 73					
			415	116(1P) 67					
			480	100(1P) 58	120				
ES60	60	2 x 12kw 2 x 18kw	208	167	120	181	0.362	1.086	
			240	145	240				
			380	91					
			415	84					
			480	72	120				
ES72	72	4 x 18kw	*208	*200	120	217	0.434	1.302	
			240	173	240				
			380	109					
			415	100					
			480	87	120				

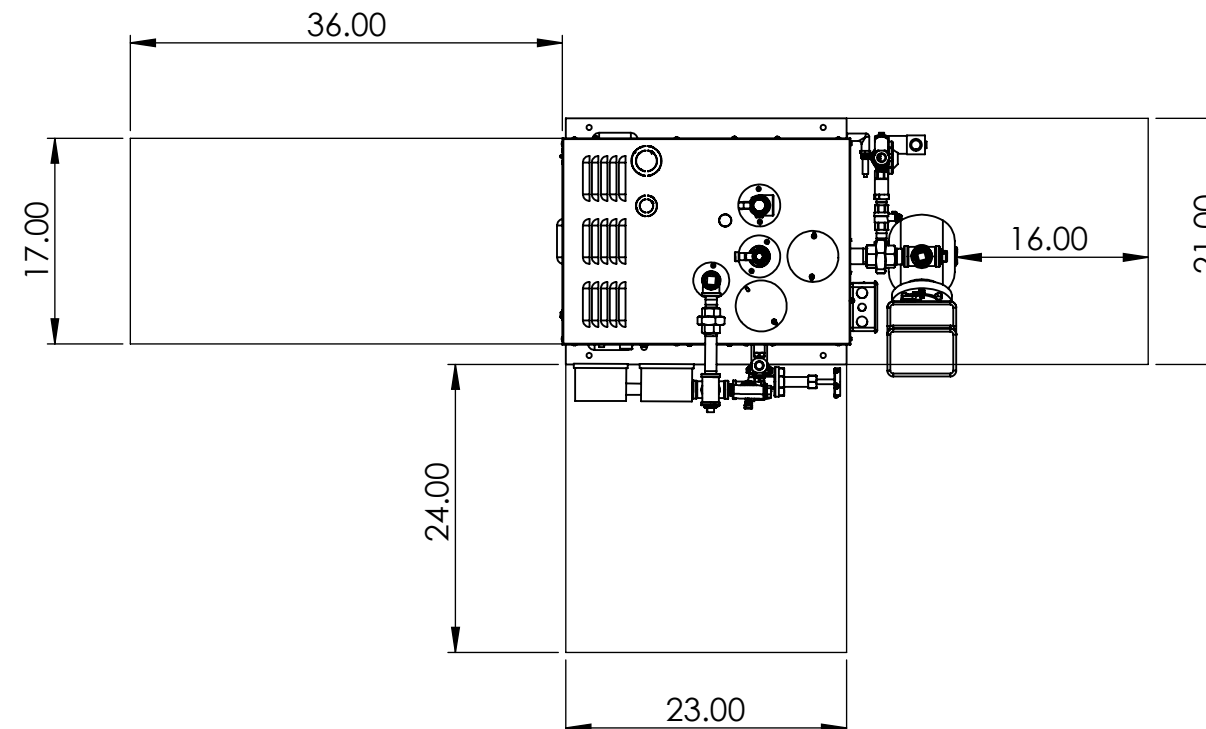
* See Sheets 3&4 for ES72150B3 for ES72, 208V, 3ph boiler

Boiler	Total Volume (gal)	Operating Volume (gal)	Dry Weight (LBS.)	Wet Weight (LBS.)	Shipping Weight (LBS.)	Steam Outlet Size (NPT)	Water Feed Inlet Size (NPT)	Drain Outlet Size (NPT)	Safety Valve Outlet Size (NPT)
ES12-ES72	14.3	8.96	263	338	310	1/2"	1/2"	1"	3/4"

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

A	FOR RELEASE			JH	5/31/24
REV	ECN	REVISION DESCRIPTION		NAME	DATE

Service Clearance Requirements



Notes:

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

DIMENSIONS ARE SHOWN IN INCHES (CENTIMETERS)
TOLERANCES ARE AS FOLLOWS UNLESS OTHERWISE SPECIFIED
X.XX X.XXX X.XXXX ANGULAR FINISH
 $\pm .12$ $\pm .031$ $\pm .0156$ $\pm 1.0^\circ$ 250
REMOVE AND DEBURR SHARP EDGES AND CORNERS
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THIRD ANGLE PROJECTION



DWG. SCALE

1:16

MATERIAL SPEC:



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PHONE: (800) 221-1522 FAX: (718) 386-7809

TITLE ES12-ES72 ELECTRIC STEAM BOILER,
150 PSI

NAME	DATE	DWG#	REV
DRAWN BY JH	5/31/2024	ES12-ES72	
CHECKED BY		SHEET 2 OF 4	

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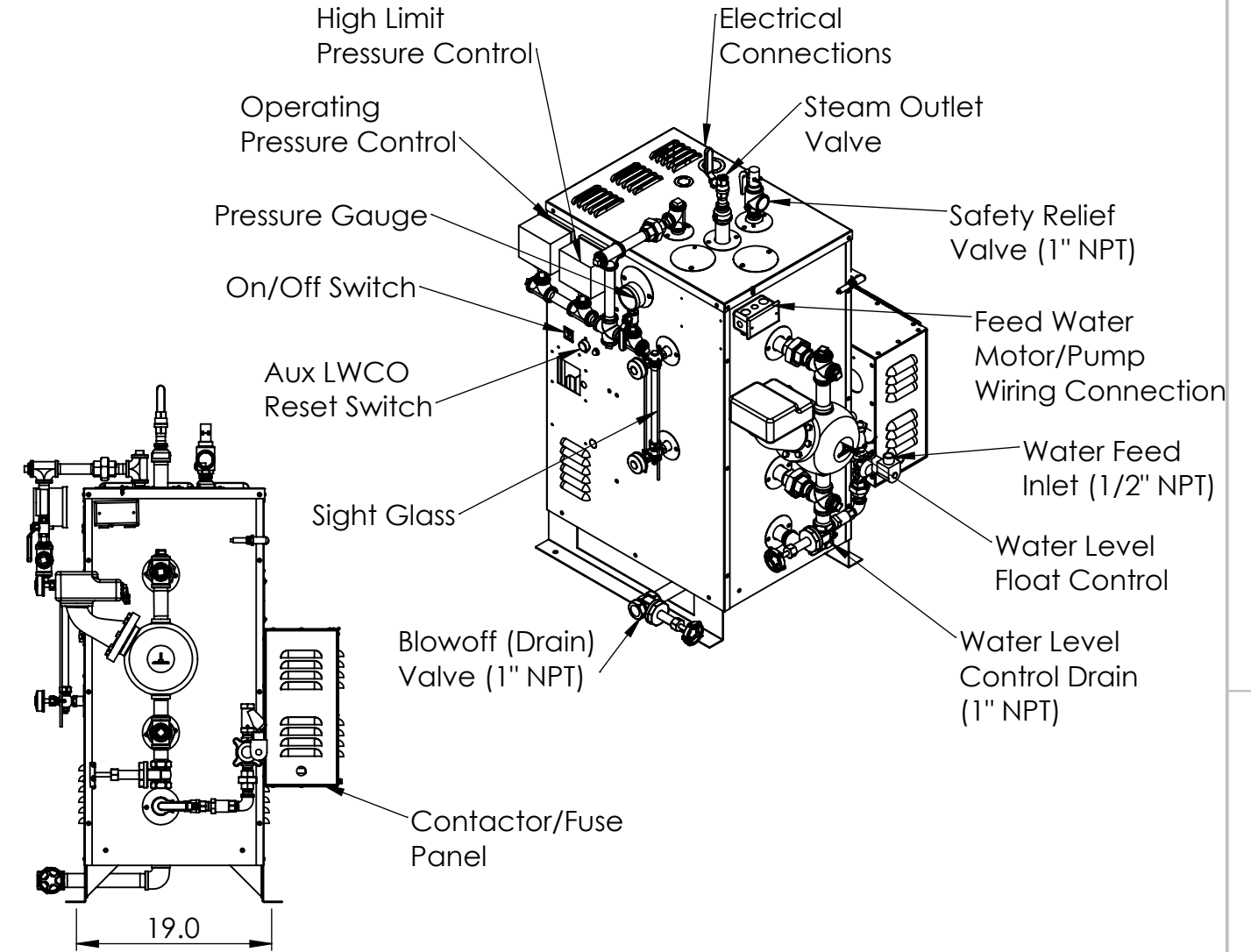
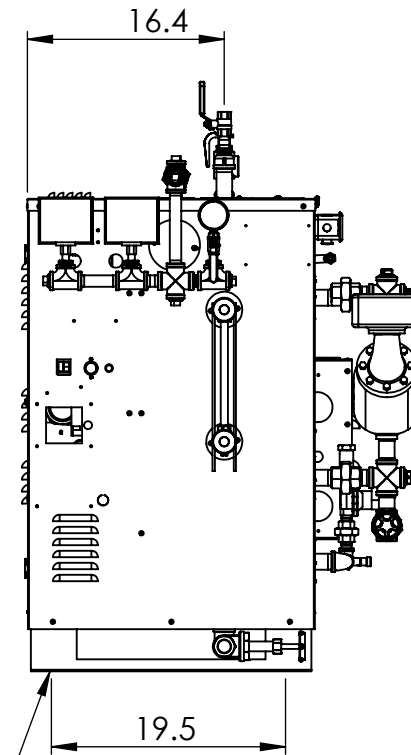
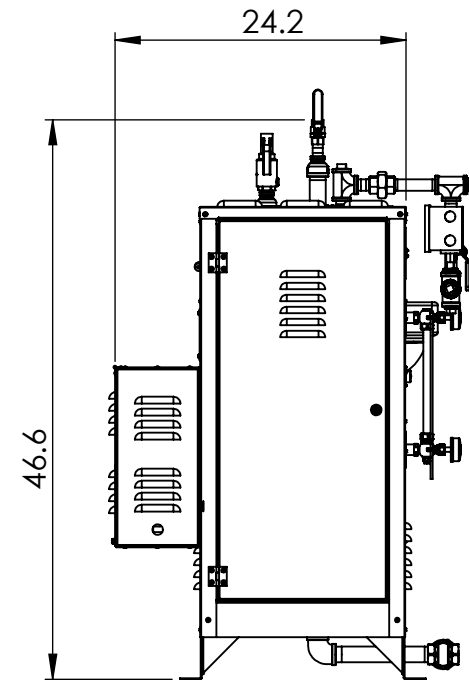
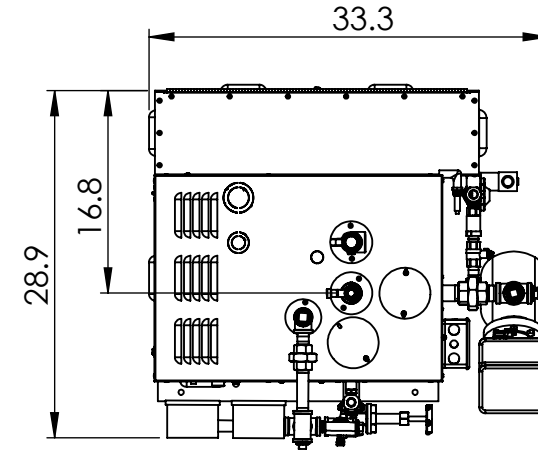
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Notes:

- 1. For ES72 208V/3 boilers only
- 2. Boiler is UL listed to standard 834
- 3. Materials of construction:
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 - 2. Jacket: Stainless Steel
- 4. Pressure vessel built in accordance with ASME Section 1 and carries an "S" stamp
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TITLE ES72 ELECTRIC STEAM BOILER
 150 PSI 208V/3

A		FOR RELEASE	JH	5/31/24
REV	ECN	REVISION DESCRIPTION	NAME	DATE

THIRD ANGLE PROJECTION	DWG. SCALE	MATERIAL SPEC:	NAME	DATE	DWG#	REV
	1:16		JH	5/31/2024	ES72150B3	
			CHECKED BY		SHEET 3 OF 4	

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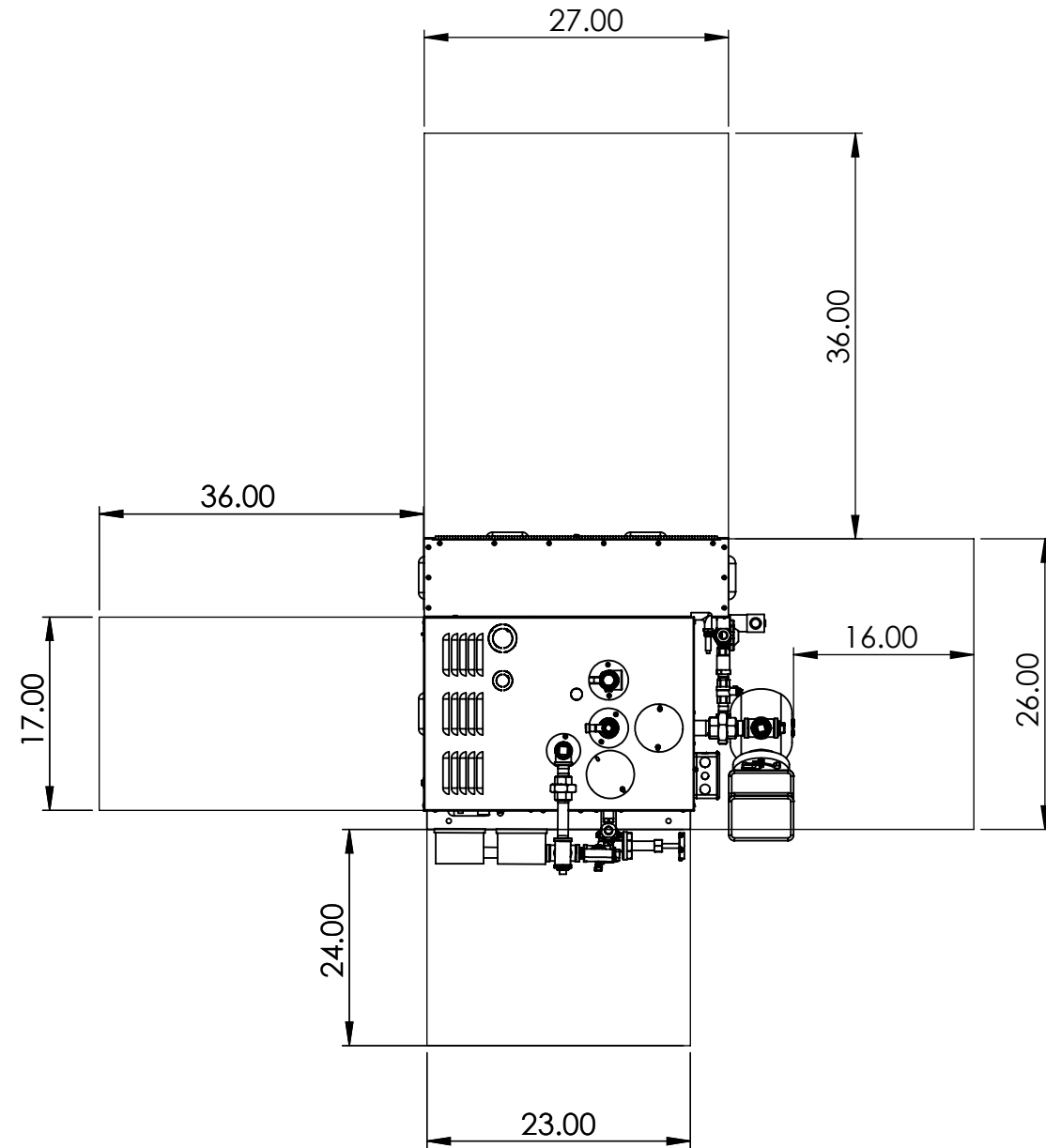
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Notes:

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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)
ES72	72	150	4 x 18kw	208	200	120	217	0.434	1.302
Boiler	Total Volume (gal)	Operating Volume (gal)	Dry Weight (LBS.)	Wet Weight (LBS.)	Shipping Weight (LBS.)	Steam Outlet Size (NPT)	Water Feed Inlet Size (NPT)	Drain Outlet Size (NPT)	Safety Valve Outlet Size (NPT)
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Note: All weights do not include options. See option drawings for additional weights									

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150 PSI

A		FOR RELEASE	JH	5/31/24
REV	ECN	REVISION DESCRIPTION	NAME	DATE

THIRD ANGLE PROJECTION



DWG. SCALE

1:16

MATERIAL SPEC:

NAME

DATE

DWG#

REV

DRAWN BY

JH

5/31/2024

ES72150B3

CHECKED BY

SHEET 4 OF 4

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