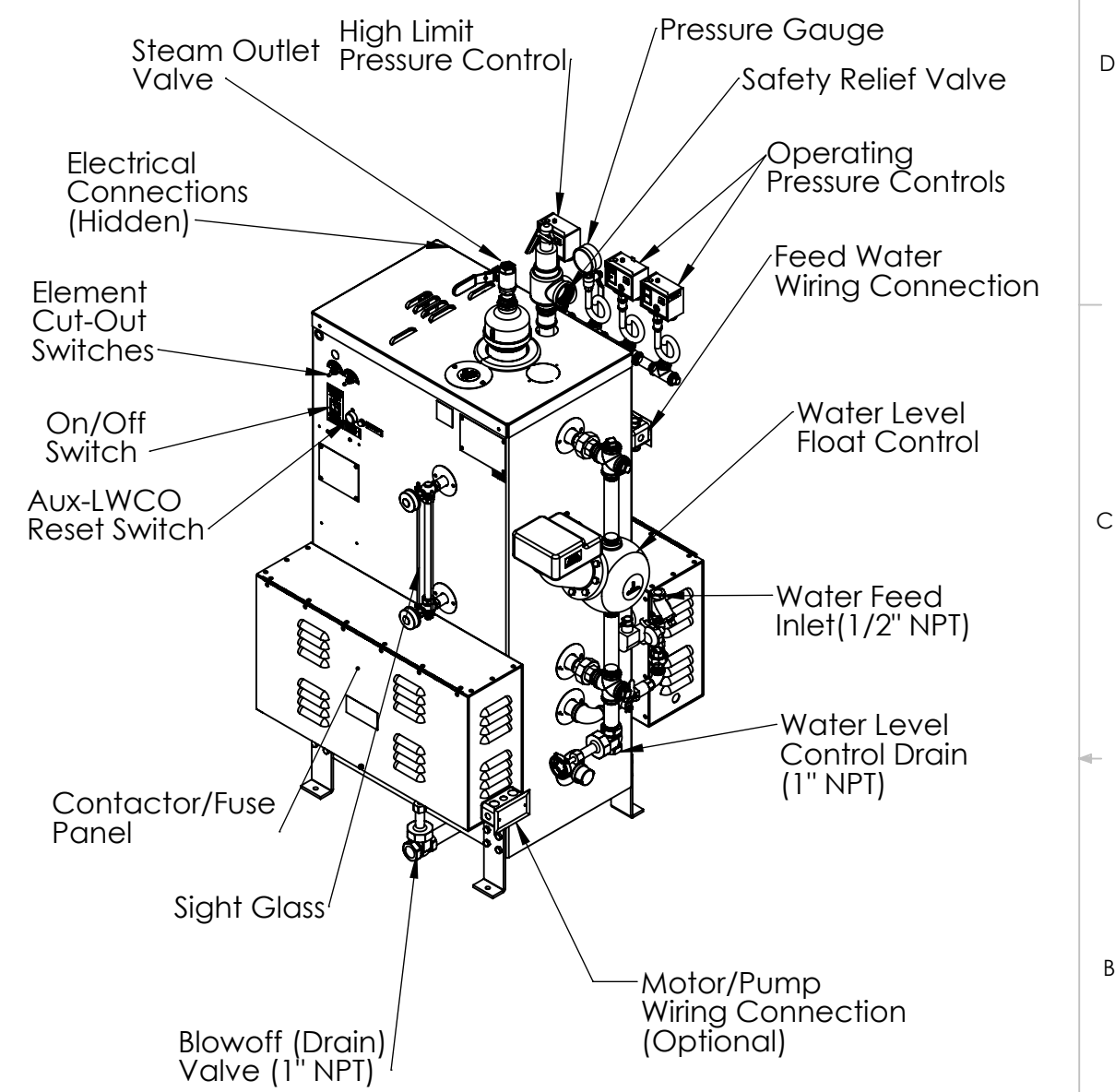


Rev.	Date	ECN	Desc.	Auth.
1	1/18/22	xxxx	Initial Drawing	E.Z

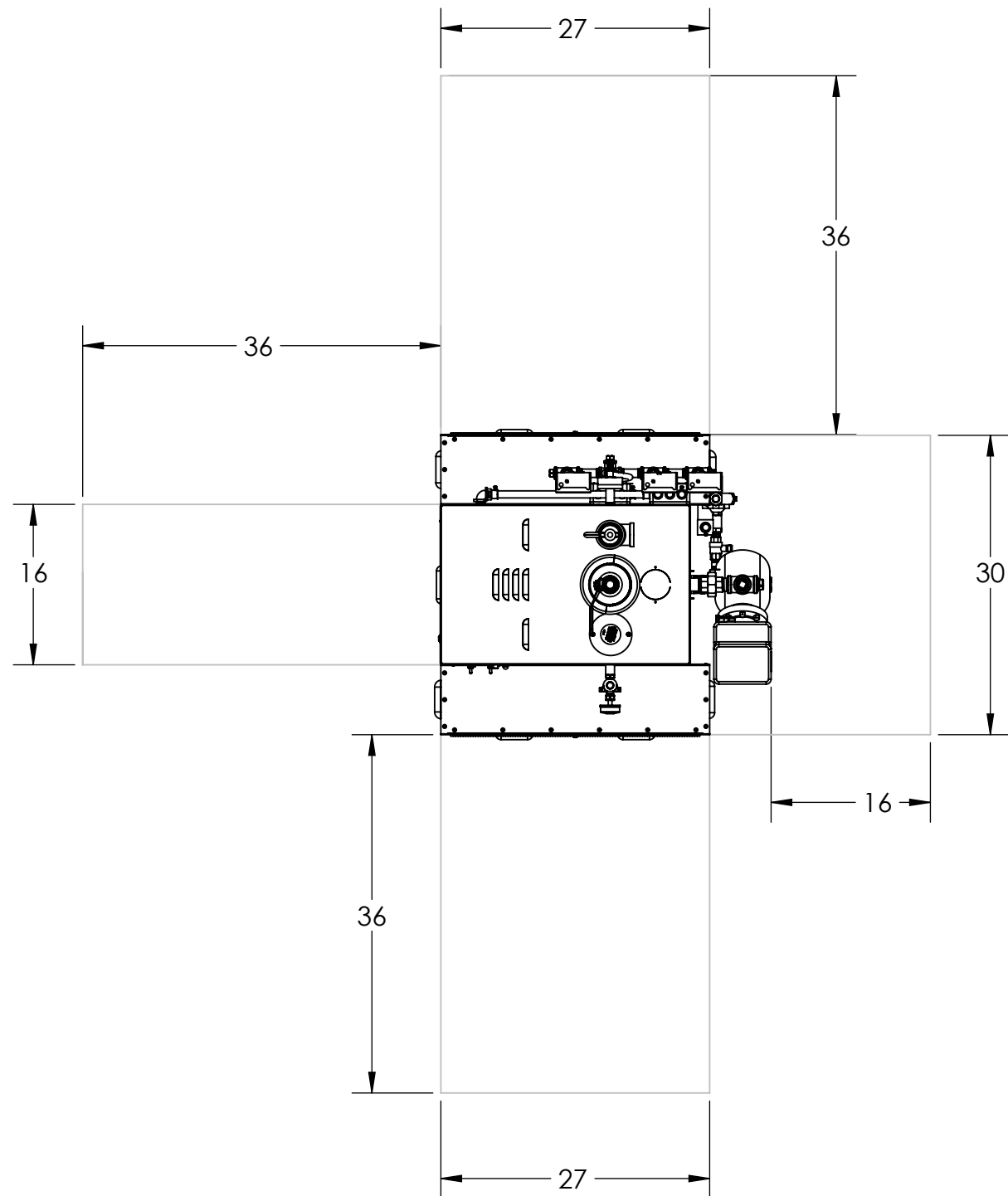


Notes:

- For ES85 to ES100, 15, 50, and 100 psi trims, 208V & 240V, 3 phase
- Boiler is UL listed to standard 834
- Materials of construction:
 - Vessel and Piping: Carbon Steel
 - Jacket: Stainless Steel
- Pressure vessel built in accordance with ASME Section 1 and carries an "M" stamp
- Completed boiler is built in accordance with ASME Section 1 and carries an "E" Stamp
- Refer to Technical Data Sheet at www.sussmanboilers.com for more information

NAME	DATE	SUSSMAN-AUTOMATIC CORPORATION 43-20 34TH STREET, LONG ISLAND CITY, NEW YORK 11101 TITLE: ES85-100 Electric Steam Boiler, 15psi, 50psi, and 100psi, 208V & 240V/ 3ph
DRAWN E.Z	1/18/22	
ENG APPR. X	X	
DIMENSIONS ARE IN INCHES TOLERANCES: (EXCEPT AS NOTED) FRACTIONAL \pm 1/64 ANGULAR: \pm 1°		SIZE DWG. NO. B ES85-ES100
SCALE: 1:16		SHEET 1 OF 2

Service Clearance Requirements



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

Rev.	Date	ECN	Desc.	Auth.
1	1/18/22	xxxx	Initial Drawing	E.Z

Boiler	kW	Pressure	Elements	Voltage	Amp Draw	Control Voltage	Steam Flowrate (lbs/hr)	Feed Water Consumption (GPM)	Reccomended Min. Feed Water Rate (gpm)
ES85	84	15	4 x 18kw	208	233	120	256	0.51	1.52
		50	1 x 12kw	240	202				
ES100	108	100	6 x 18kw	208	300		325	0.65	1.95
				240	260				

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)
ES85	28	17.5	435	586	680	1" (15)	1/2"	1"	1-1/2" (15)
ES100						3/4" (50&100)			1-1/4" (100)

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

	NAME	DATE	SUSSMAN-AUTOMATIC CORPORATION 43-20 34TH STREET, LONG ISLAND CITY, NEW YORK 11101	
DRAWN	E.Z	1/18/22	TITLE: ES85-100 Electric Steam Boiler, 15psi, 50psi, and 100psi, 208V &240V/ 3ph	
ENG APPR.	X	X	SIZE	DWG. NO.
DIMENSIONS ARE IN INCHES TOLERANCES: (EXCEPT AS NOTED) FRACTIONAL ± 1/64 ANGULAR: ± 1°			B	ES85-ES100
			SCALE: 1:16 SHEET 2 OF 2	