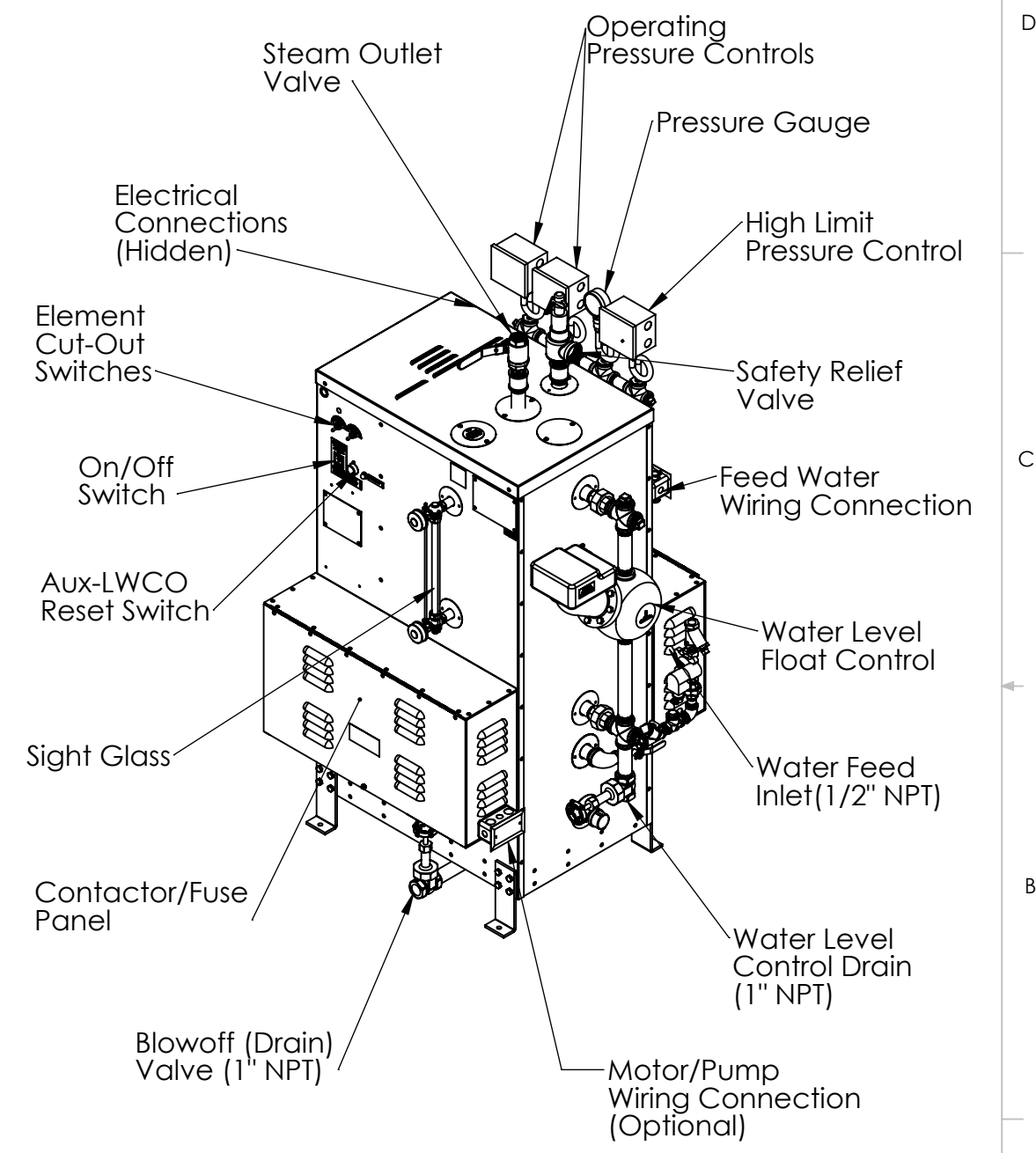


Rev.	Date	ECN	Desc.	Auth.
1	8/28/20	xxxx	Initial Drawing	E.Z

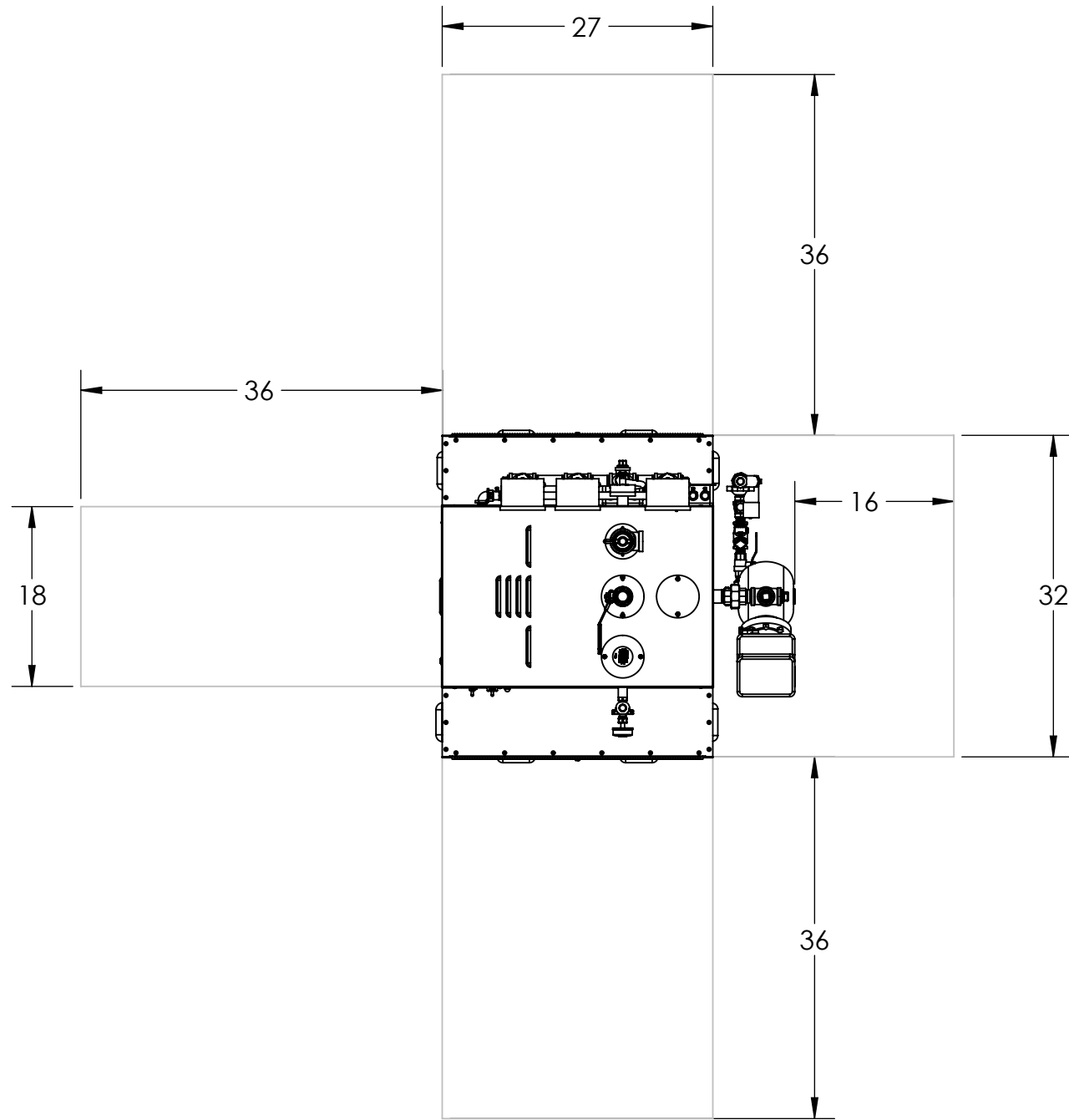


**Notes:**

- For ES85 to ES180, 150 psi trim, 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 "S" 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](http://www.sussmanboilers.com) for more information

NAME	DATE	SUSSMAN-AUTOMATIC CORPORATION 43-20 34TH STREET, LONG ISLAND CITY, NEW YORK 11101  TITLE: <b>ES85-180 Electric Steam Boiler,          150psi, 208V&amp;240V, 3ph</b>  SIZE DWG. NO. <b>B ES85-ES180</b>  SCALE: 1:16 SHEET 1 OF 2
DRAWN	8/28/20	
ENG APPR.	X X	
DIMENSIONS ARE IN INCHES TOLERANCES: (EXCEPT AS NOTED) FRACTIONAL: $\pm 1/64$ ANGULAR: $\pm 1^\circ$		

# 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	8/28/20	xxxx	Initial Drawing	E.Z

Boiler	kW	Pressure	Elements	Voltage	Amp Draw	Control Voltage	Steam Flowrate (lbs/hr)	Feed Water Consumption (GPM)	Recommened Min. Feed Water Rate (gpm)
ES85	84	150	4 x 18kw 1 x 12kw	208	233	120	256	0.51	1.52
				240	202				
ES100	108		6 x 18kw	208	300		325	0.65	1.95
				240	260				
ES135	142		8 x 18kw	208	395		433	0.87	2.60
				240	342				
ES160	157.5		7 x 22.5kw	208	438		475	0.95	2.90
				240	379				
ES180	180		8 x 22.5kw	208	500		542	1.09	3.30
				240	434				

Boiler	Total Volume (gal)	Operating Volume (gal)	Dry Weight	Wet Weight	Shipping Weight	Steam Outlet Size (NPT)	Water Feed Inlet Size (NPT)	Drain Outlet Size (NPT)	Safety Valve Outlet Size (NPT)
ES85-ES100	36.5	22.8	638	836	720	3/4"	1/2"	1"	3/4"
ES135-ES180						1"			

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: EZ	8/28/20	TITLE: ES85-180 Electric Steam Boiler, 150psi, 208V&240V, 3ph	
ENG APPR. X	X	SIZE: <b>B</b>	DWG. NO.: ES85-ES180
DIMENSIONS ARE IN INCHES TOLERANCES: (EXCEPT AS NOTED) FRACTIONAL ± 1/64 ANGULAR: ± 1°		SCALE: 1:16	SHEET 2 OF 2