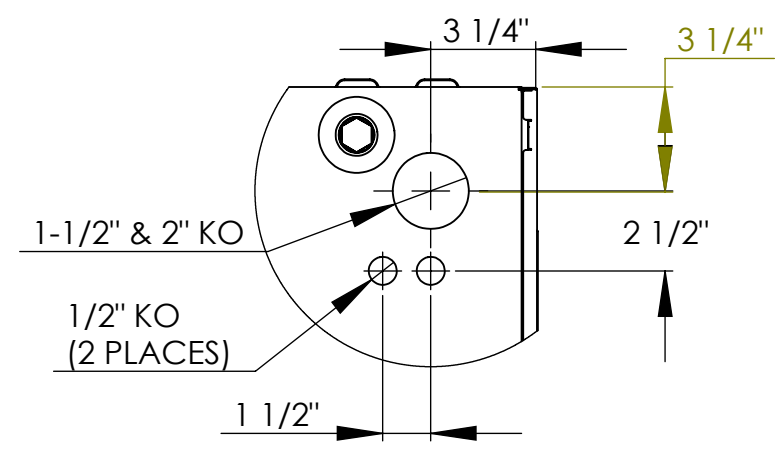
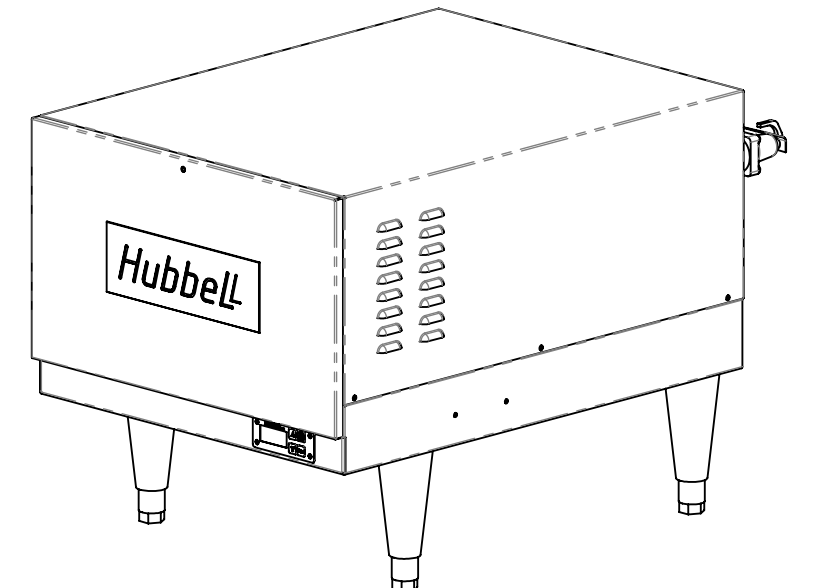
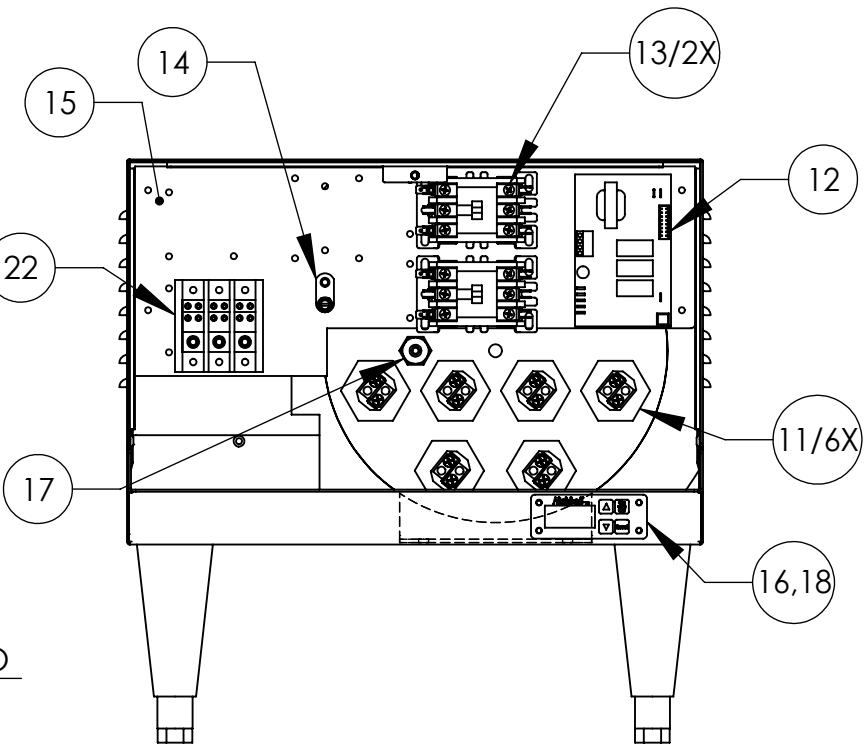
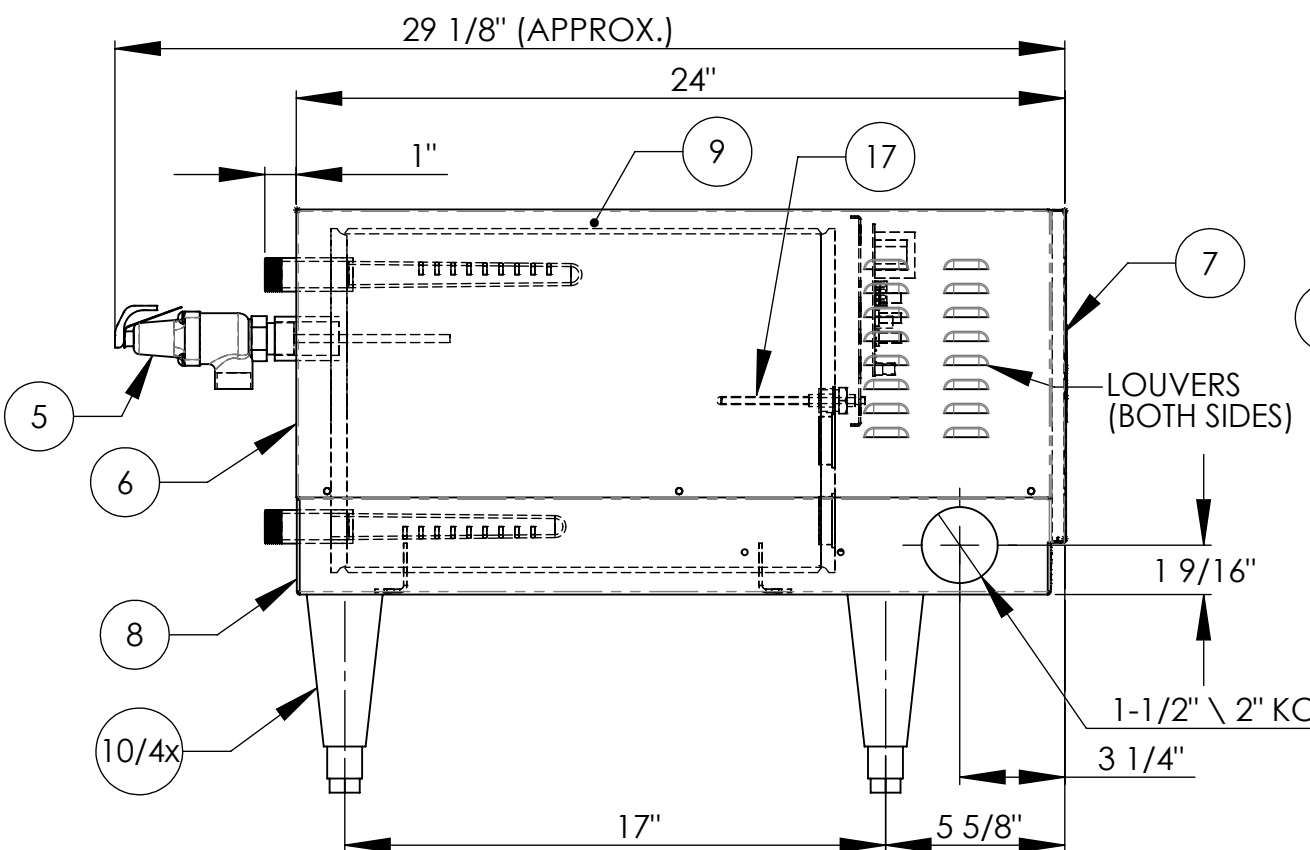
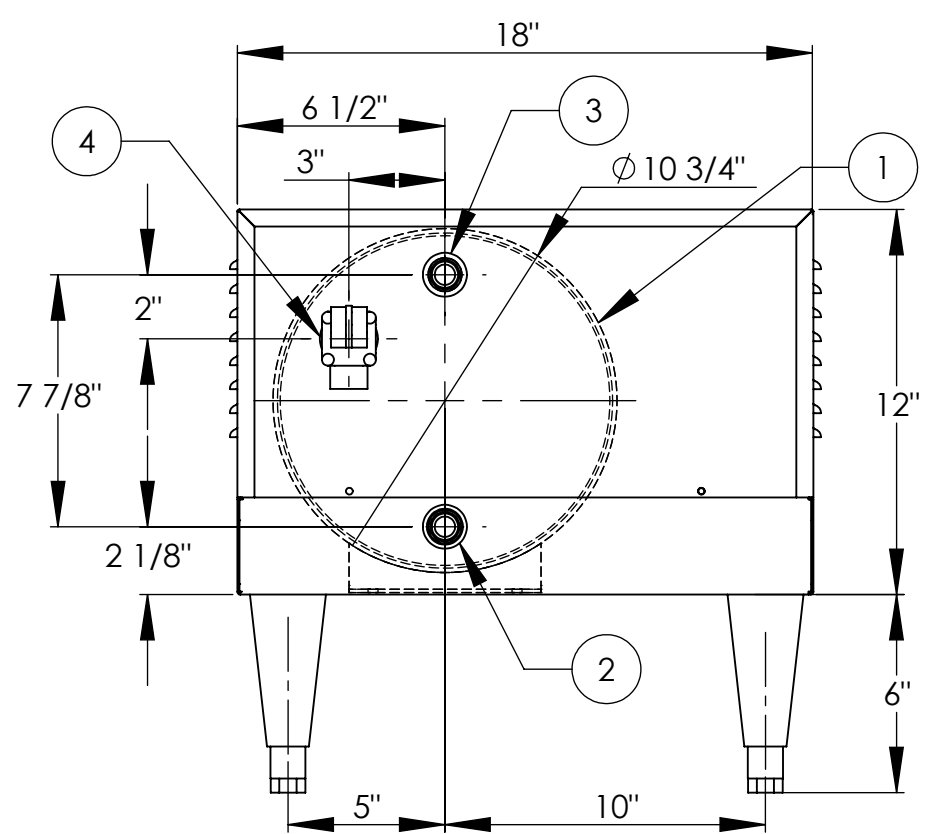
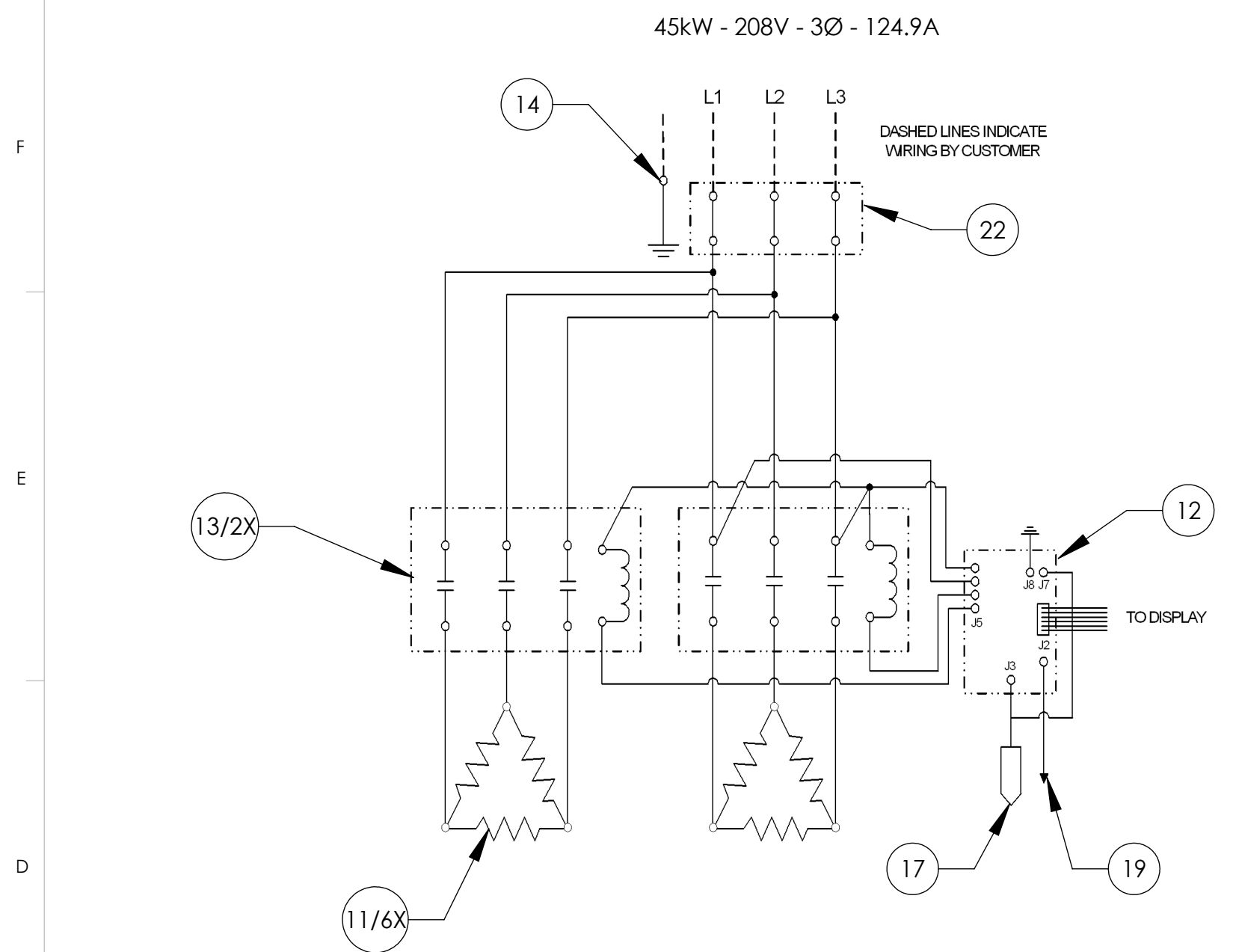


ZONE		REV.	REVISIONS		
			DESCRIPTION	DATE	APPROVED

ITEM NO.	QTY.	PART NO.	MATERIAL	DESCRIPTION
1	1	J6-6 TANK	304L S/S	TANK ASSEMBLY
2	1	J6 INLET	BRASS	3/4" MNPT INLET
3	1	J6 OUTLET	BRASS	3/4" MNPT OUTLET
4	1		BRASS	3/4" FNPT FOR RELIEF VALVE
5	1	100XL .75 150LB	BRONZE	RELIEF VALVE SET AT 150PSI, 210°F
6	1	J6-6 JACKET	304 S/S	TOP COVER ASSEMBLY
7	1	J6-6 FRONT COVER	304 S/S	FRONT COVER ASSEMBLY
8	1	J6-6 BASE	304 S/S	BASE ASSEMBLY
9	1		FOAM	INSULATION
10	4	61649NOBN5T4	PLASTIC	ADJUSTABLE LEGS
11	6	C2315-7	BRASS PLUG & COPPER SHEATH	HEATING ELEMENT - 1-7/8" HEX 7150W @ 208V
12	1	T1000	VARIOUS	CONTROL MODULE
13	2	C25DNF350B	VARIOUS	MAGNETIC CONTACTOR 65A (RESISTIVE) - 240V
14	1	KA4C	COPPER	GROUND LUG
15	1	J6-6 CONTROL PLATE	GALVANNEAL	ELECTRICAL MOUNTING PANEL
16	1	TD1000	VARIOUS	DIGITAL DISPLAY MODULE
17	1	P65	VARIOUS	PROBE ASSEMBLY
18	1	OVERLAY J MODEL	LEXAN	OVERLAY FOR DISPLAY MODULE
19	1		VARIOUS	LEAK DETECTION SENSOR
20	1	TTD405	VARIOUS	T&P GAUGE 30-240°F/0-200PSI
21	1	N45BU	BRONZE	PRESS. REDUCING VALVE 25-75PSI
22	1	PDB175-1X4-3	VARIOUS	POWER DISTRIBUTION BLOCK 175A, 3-POLE, 1 PRIM., 4 SEC.

- NOTES:
- TANK IS DESIGNED, FABRICATED, AND STAMPED IAW ASME SECTION VIII CODE, LATEST ADDENDA.
 - TANK IS DESIGNED FOR 150PSI AND PRESSURE TESTED AT 225PSI.
 - PROBE ASSEMBLY (Pc. No. 17) PROVIDES TEMPERATURE CONTROL, HI-LIMIT, AND LOW WATER SENSING.
 - UNIT IS UL, CUL, AND UL EPH LISTED.
 - PIECE NOS. 5, 10, 20, AND 21 ARE SHIPPED LOOSE.
 - CONTROL CIRCUIT WIRE TO BE #18 TEFLON 750 (200°C), POWER CIRCUIT WIRE TO BE #8 TEFLON 750 (200°C), ELEMENT JUMPER WIRE TO BE #10 TEFLON 750 (200°C).
 - PHASE TO PHASE RESISTANCE: 2.0 OHMS
 - APPROX. WEIGHT:
DRY: 98 LBS.
WET: 146 LBS.



INSTALLATION REQUIREMENTS	
AMP Draw	124.9
Min. Breaker/Fuse Size	150 AMP
Cu Power Feed Wire	#2/0 AWG THHN
Min. Power Conduit	1 1/4"
Wiring Diagram	12 (NCB)

ELECTRICAL NOTES:
 1. POWER FEED WIRE SIZING IS BASED ON 75°C Cu THHN WIRE WITH FEEDER BRANCH PROTECTION AT 125%.
 2. REFERENCE INSTALLATION, OPERATION, AND MAINTENANCE MANUAL FOR COMPLETE INSTALLATION INSTRUCTIONS.

PROPRIETARY AND CONFIDENTIAL
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DIMENSIONS ARE IN INCHES
 TOLERANCES:
 (UNLESS OTHERWISE SPECIFIED)
 FRACTIONAL ±1/16"
 ANGULAR: MACH ±1/2° BEND ±1°
 TWO PLACE DECIMAL ±0.01
 THREE PLACE DECIMAL ±0.005

Hubbell Stratford, CT 06615 (203) 378-2659
The Electric Heater Company

Customer: J MODEL BOOSTER HEATER J645R - 6 GALLON 45kW - 208V - 3Ø

SIZE	DWG. NO.	REV
C	J645R	-

SCALE: 1:6 FSCM: 19857 SHEET 1 OF 1