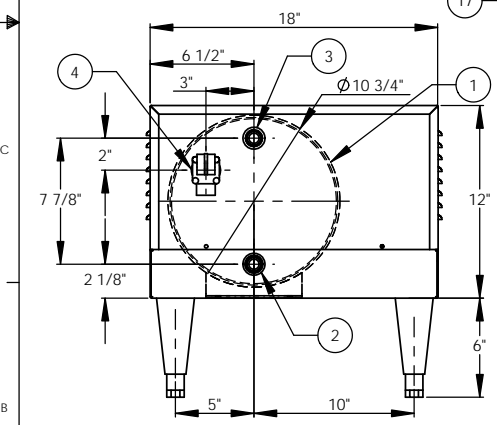


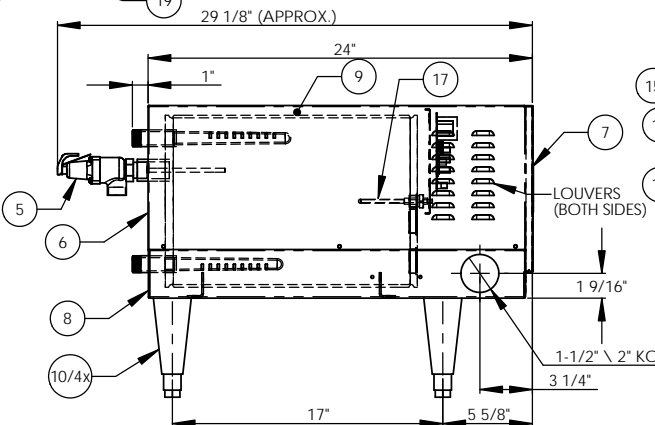
ITEM NO.	QTY.	PART NO.	MATERIAL	DESCRIPTION
1	1	J6-6 TANK	304L S/S	TANK ASSEMBLY
2	1	J6 INLET	BRASS	3/4" MNPT INLET
3	1	J6 OUTLET	BRASS	3/4" MNPT OUTLET
4	1		BRASS	3/4" FNPT FOR RELIEF VALVE
5	1	100XL .75 150LB	BRONZE	RELIEF VALVE SET AT 150PSI, 210°F
6	1	J6-6 JACKET	304 S/S	TOP COVER ASSEMBLY
7	1	J6-6 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		ADJUSTABLE LEGS
11	6	C1315-12	BRASS PLUG & COPPER SHEATH	HEATING ELEMENT - 1-7/8" HEX 3000W @ 240V/6272W @ 600V
12	1	T1000	VARIOUS	CONTROL MODULE
13	1	C25DNF340B	VARIOUS	MAGNETIC CONTACTOR 50A (RESISTIVE) - 240V
14	1	KA4C	COPPER	GROUND LUG
15	1	J6-6 CONTROL PLATE	GALVANNEAL	ELECTRICAL MOUNTING PANEL
16	1	ID1000	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	B050-3350-3	VARIOUS	TRANSFORMER 50VA 600V/195V

REV. NO.		REVISIONS	DATE	APPROVED

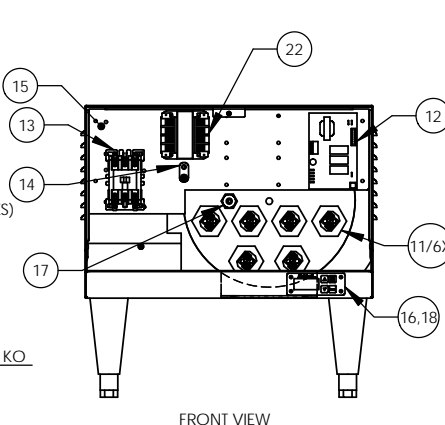
- NOTES:
- TANK IS DESIGNED, FABRICATED, AND STAMPED IAW ASME SECTION VIII CODE, LATEST ADDENDA.
 - TANK IS DESIGNED FOR 150PSI AND PRESSURE TESTED AT 225PSI.
 - PROBE ASSEMBLY (Pc. No. 17) PROVIDES TEMPERATURE CONTROL, HI-LIMIT, AND LOW WATER SENSING.
 - UNIT IS UL, CUL, AND UL EPH LISTED.
 - PIECE NOS. 5, 10, 20, AND 21 ARE SHIPPED LOOSE.
 - CONTROL CIRCUIT WIRE TO BE #18 TEFZEL 750 (200°C), POWER CIRCUIT WIRE TO BE #10 TEFZEL 750 (200°C), ELEMENT JUMPER WIRE TO BE #12 TEFZEL 750 (200°C).
 - PHASE TO PHASE RESISTANCE: 19.1 OHMS
 - APPROX. WEIGHT:
DRY: 98 LBS.
WET: 146 LBS.
 - DERATE TO 34.56kW FOR 575V.



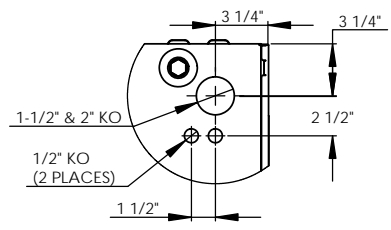
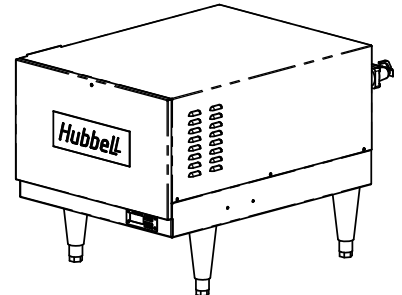
BACK VIEW



LEFT SIDE VIEW



FRONT VIEW (WITH COVER REMOVED)



BOTTOM VIEW

INSTALLATION REQUIREMENTS	
AMP Draw	37.5
Min. Breaker/Fuse Size	50 AMP
Cu Power Feed Wire	#8 AWG THHN
Min. Power Conduit	3/4"
Wiring Diagram	15

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

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DRAWN	DATE	NAME	DESCRIPTION
SCL	2/21/05	SCL	J639T6
WENIII	2/21/05	WENIII	J639T6
PRD	2/21/05	PRD	J639T6
CHD	2/21/05	CHD	J639T6

Stratford, CT 06615 (203) 378-2659
The Electric Heater Company
Customer:
Description: J MODEL BOOSTER HEATER J639T6 - 6 GALLON 39kW - 600V - 3Ø

SIZE	DWG. NO.	REV
C	J639T6	-

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