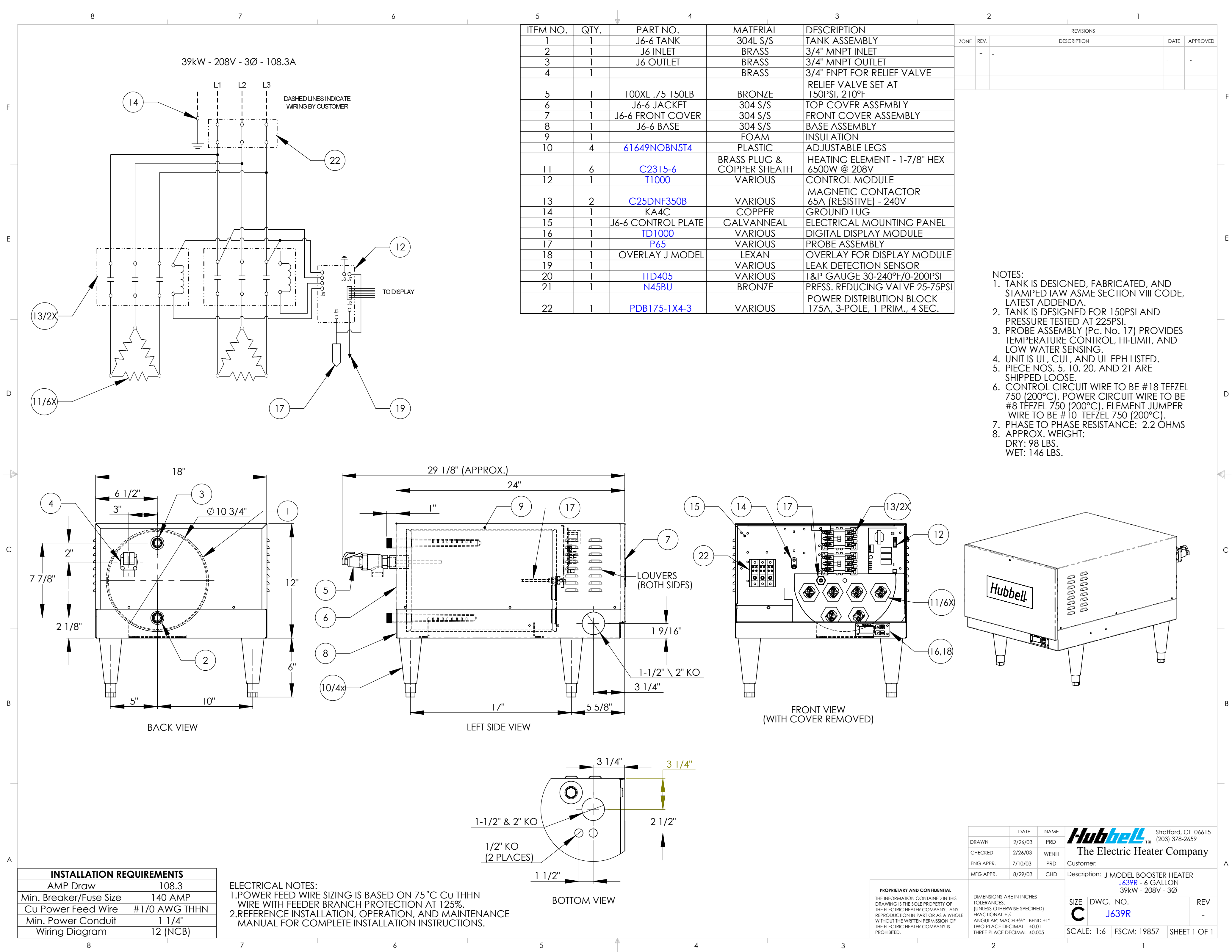




INSTALLATION REQUIREMENTS	
AMP Draw	108.3
Min. Breaker/Fuse Size	140 AMP
Cu Power Feed Wire	#1/0 AWG THHN
Min. Power Conduit	1 1/4"
Wiring Diagram	12 (NCB)

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.

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	C2315-6	BRASS PLUG &	HEATING ELEMENT - 1-7/8" HEX
12	1	T1000	COPPER SHEATH	6500W @ 208V
			VARIOUS	CONTROL MODULE
13	2	C25DNF350B	VARIOUS	MAGNETIC CONTACTOR
14	1	KA4C	COPPER	65A (RESISTIVE) - 240V
15	1	J6-6 CONTROL PLATE	GALVANNEAL	GROUND LUG
16	1	TD1000	VARIOUS	ELECTRICAL MOUNTING PANEL
17	1	P65	VARIOUS	DIGITAL DISPLAY MODULE
18	1	OVERLAY J MODEL	LEXAN	PROBE ASSEMBLY
19	1		VARIOUS	OVERLAY FOR DISPLAY MODULE
20	1	TTD405	VARIOUS	LEAK DETECTION SENSOR
21	1	N45BU	BRONZE	T&P GAUGE 30-240°F/0-200PSI
				PRESS. REDUCING VALVE 25-75PSI
22	1	PDB175-1X4-3	VARIOUS	POWER DISTRIBUTION BLOCK
				175A, 3-POLE, 1 PRIM., 4 SEC.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	-	-	-	-

NOTES:

1. TANK IS DESIGNED, FABRICATED, AND STAMPED IAW ASME SECTION VIII CODE, LATEST ADDENDA.
2. TANK IS DESIGNED FOR 150PSI AND PRESSURE TESTED AT 225PSI.
3. PROBE ASSEMBLY (Pc. No. 17) PROVIDES TEMPERATURE CONTROL, HI-LIMIT, AND LOW WATER SENSING.
4. UNIT IS UL, CUL, AND UL EPH LISTED.
5. PIECE NOS. 5, 10, 20, AND 21 ARE SHIPPED LOOSE.
6. CONTROL CIRCUIT WIRE TO BE #18 TEUFEL 750 (200°C), POWER CIRCUIT WIRE TO BE #8 TEUFEL 750 (200°C). ELEMENT JUMPER WIRE TO BE #10 TEUFEL 750 (200°C).
7. PHASE TO PHASE RESISTANCE: 2.2 OHMS
8. APPROX. WEIGHT:
DRY: 98 LBS.
WET: 146 LBS.

	DATE	NAME	 Stratford, CT 06615 (203) 378-2659		
DRAWN	2/26/03	PRD	The Electric Heat Recovery Company		
CHECKED	2/26/03	WE:VIII	Customer:		
ENG APPR.	7/10/03	PRD	Description: J MODEL BOOSTER HEATER J639R - 6 GALLON 39kW - 208V - 3Ø		
MFG APPR.	8/29/03	CHD			
DIMENSIONS ARE IN INCHES TOLERANCES: (UNLESS OTHERWISE SPECIFIED) FRACTIONAL ±¼ ANGULAR: MACH ±½° BEND ±1° TWO PLACE DECIMAL ±0.01 THREE PLACE DECIMAL ±0.005			SIZE	DWG. NO.	REV
			C	J639R	-
			SCALE: 1:6	FSCM: 19857	SHEET 1 OF 1

PROPRIETARY AND CONFIDENTIAL

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