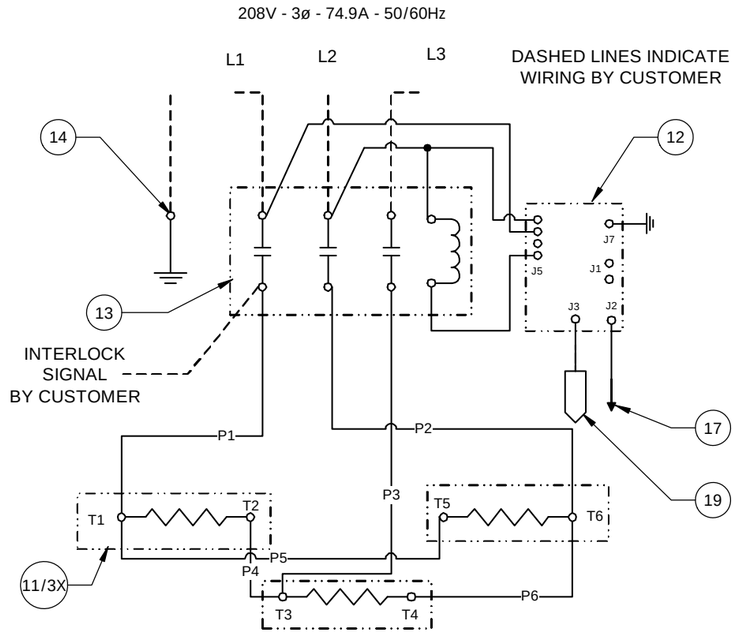
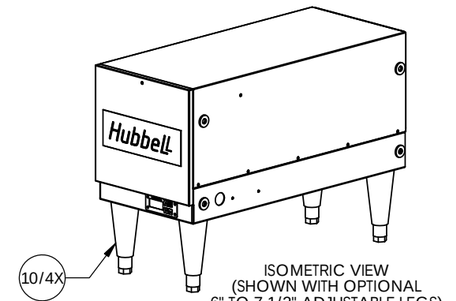


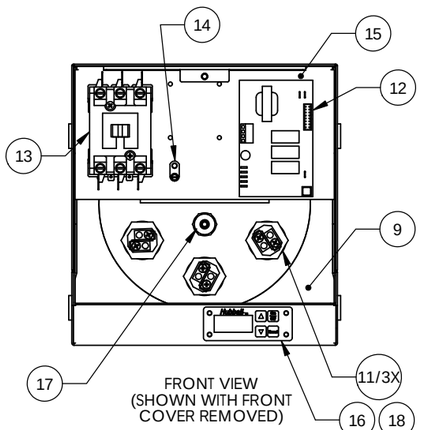
ITEM NO.	QTY.	PART NO.	MATERIAL	DESCRIPTION
1	1	06-17526-01	304L S/S	4 GALLON TANK ASSEMBLY
2	1	NPBR-.75S40X3	BRASS	3/4" MNPT INLET x 3" LONG
3	1	NPBR-.75S40X3	BRASS	3/4" MNPT OUTLET x 3" LONG
4	1	EXTE .75X2.5	BRONZE	3/4" FNPT FOR RELIEF VALVE x 2 1/2" LONG
5	1	10L-2 150#	BRONZE	RELIEF VALVE SET AT 150PSI, 210°F
6	1	V06-17526-03	304 S/S	TOP COVER ASSEMBLY
7	1	V06-17526-04	304 S/S	FRONT COVER ASSEMBLY
8	1	V06-17526-05	304 S/S	BASE ASSEMBLY
9	1	---	POLYURETHANE	INSULATION
10	4	61649NOBN5T4	PLASTIC	ADJUSTABLE LEGS (OPTIONAL)
11	3	N2375-9	BRASS PLUG & INCOLOY SHEATH	HEATING ELEMENT - 1 1/2 - 12 UNF 1 7/8" HEX, 9000W @ 208V
12	1	T1000	VARIOUS	CONTROL MODULE
13	1	C25FNF375B	VARIOUS	MAGNETIC CONTACTOR 90A (RESISTIVE) - 208/240V
14	1	KA8C	COPPER	GROUND LUG
15	1	V06-17526-02	GALVANEEL	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	WIRE #18 200C WHITE	VARIOUS	LEAK DETECTION SENSOR
20	2	2" KNOCK OUT SEALS	PLATED STEEL	2" KNOCKOUT COVER
21	8	PIP-7/16	PLASTIC	SIDE MOUNTING HOLE INSERT
22	4	PIP-1/2	PLASTIC	LEG MOUNTING HOLE INSERT

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	REVISED WIRING DIAGRAM.	06/13/18	MWG

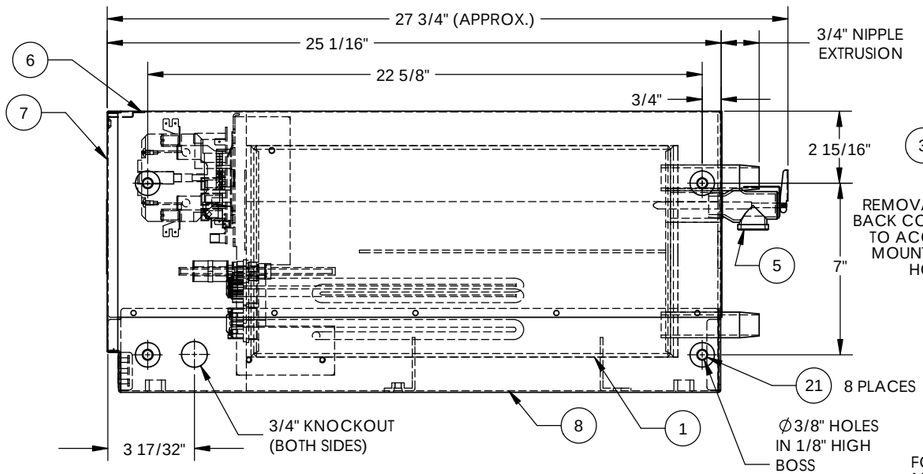
NOTES:
1. TANK IS DESIGNED, FABRICATED, AND STAMPED IAW ASME SECTION VIII, DIV. 1, LATEST ADDENDA.
2. TANK IS DESIGNED FOR 150 PSI WORKING PRESSURE AND HYDROSTATICALLY TESTED AT 225 PSI.
3. TANK IS PROVIDED WITH INTERNAL BAFFLE AND POLYURETHANE FOAM INSULATED TO MAXIMIZE HEATING EFFICIENCY.
4. PROBE ASSEMBLY, PIECE NO. 17, PROVIDES TEMPERATURE CONTROL, HI-LIMIT CONTROL, AND LOW WATER SENSING.
5. PIECE NOS. 10 (OPTIONAL) AND 5 ARE SHIPPED LOOSE.
6. CONTROL CIRCUIT WIRE TO BE #18 TEFZEL 750 (200°C), POWER WIRE TO BE #6 TEFZEL 750 (200°C).
7. UNIT TO BE UL, CUL, AND UL EPH LISTED.
8. UNIT IS RATED FOR 50/60 Hz.



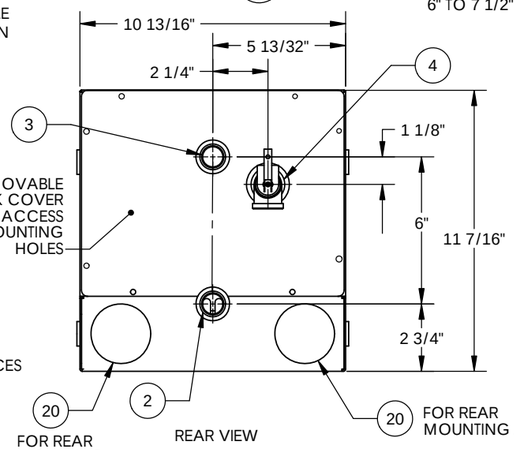
ISOMETRIC VIEW
(SHOWN WITH OPTIONAL
6" TO 7 1/2" ADJUSTABLE LEGS)



FRONT VIEW
(SHOWN WITH FRONT
COVER REMOVED)



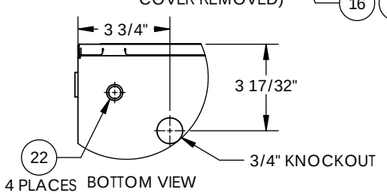
RIGHT SIDE VIEW



FOR REAR MOUNTING ACCESS

REAR VIEW

FOR REAR MOUNTING ACCESS



4 PLACES BOTTOM VIEW

INSTALLATION REQUIREMENTS	
AMP Draw	74.9
Min. Breaker/Fuse Size	95 AMP
Cu Power Feed Wire	#3 AWG THHN
Min. Power Conduit	1"
Wiring Diagram	10 (NT)

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 ±⅛
ANGULAR: MACH ±½° BEND ±1°
TWO PLACE DECIMAL ±0.01
THREE PLACE DECIMAL ±0.005

	DATE	NAME
DRAWN	6/24/14	BPD
CHECKED	6/24/14	PRD
ENG APPR.	6/24/14	PRD
MFG APPR.	6/24/14	PRD

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

Customer: AMERICAN DISH SERVICES

Description:
4-GALLON HORIZONTAL
J427R MODEL BOOSTER HEATER

SIZE	DWG. NO.	REV
C	J427R	A

SCALE: 1:4 | FSCM: 19857 | SHEET 1 OF 1