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	ITEM NO.	QTY.	PART NO. / DWG. NO.	MATERIAL	DESCRIPTION
D	1	1	D-1125	STAINLESS STEEL	BACK CASING ASSEMBLY
	2	1	D-1126	STAINLESS STEEL	FRONT COVER
	3	1	JTK3-FM	COPPER / BRASS	HEATER TUBE ASSEMBLY
	4				
	5	3	N1375-9000T6	INCOLOY / BRASS	HEATING ELEMENT, 9000W @ 346V
	6	1	D-1100	ALUMINUM	TOP HEATER TUBE SUPPORT
	7	3	L93	VARIOUS	HI-LIMIT SWITCH, AUTO RESET (SET TO 200°F)
	8	1	TK FLOW BR	BRASS	FLOW METER, 0.2-8 GPM
-	9				
	10	1	TK2000	VARIOUS	ELECTRONIC TEMPERATURE CONTROLLER
	11	1	TKD2000	VARIOUS	LED DISPLAY
	12	3	TG40E80	VARIOUS	TRIAC
_	13	2	USP9509	VARIOUS	THERMISTOR
	14	AS REQ'D		COPPER	WIRE: POWER: #10 AWG, CONTROL: #18 AWG, THHN (90°C)
	15	1	KA-4C	COPPER	GROUND LUG
	16	1		POLYURETHANE	THERMISTOR INSULATION
	17				
	18	1	C25DNF330B	VARIOUS	MAGNETIC CONTACTOR, 208/204VAC COIL, 40A RESISTIVE
С	19	1	B050-3350-3	VARIOUS	TRANSFORMER, 50 VA, 600/575 VAC TO 195 VAC
	20	1	PLUGBR 1/8	BRASS	DRAIN PLUG, 1/8" NPT
	21	3		RUBBER	INLET / OUTLET / DRAIN CASING GASKETS
	22	1	TANKLESS OVERLAY	LEXAN	DISPLAY OVERLAY
	23	1	COUP BELL 1/2" TO 3/4"	BRASS	INLET BELL COUPLING, 1/2" x 3/4"
	24	1	DIELECTRIC UNION	VARIOUS	DIELECTRIC UNION, 3/4" FNPT x 3/4" CTS
	25				
-	26	1	SCREEN TK	STAINLESS STEEL	INLET SCREEN (NOT SHOWN)
	27				
	28	1		VARIOUS	LEAK DETECTION WIRE
	29	AS REQ'D		RUBBER	GASKET MATERIAL (NOT SHOWN)
	30	1	NIPPBR 3/4 X 1.5	BRASS	NIPPLE 3/4" x 1 1/2" LONG
	31	1	LGR-3	VARIOUS	CONTROL CIRCUIT FUSE, 3A
B	32	1	LHR000	VARIOUS	FUSE HOLDER

В

INSTALLATION PARAMETERS						
VOLTS	600 V					
POWER	27 kW					
AMP	26.0 A					
BREAKER SIZE(MIN)	30 A					
FEED WIRE SIZE(MIN)	#8 AWG					
CONDUIT SIZE(MIN)	3/4"					
WIRING DIAGRAM	5					

INSTALLATION NOTES:

TANKLESS WATER HEATERS ARE CONSIDERED A NON-CONTINUOUS LOAD. 1.

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- IF MULTIPLE FEED INSTALLATION IS USED, IT IS ACCEPTABLE TO INSTALL UP TO TWO 2. CONDUCTORS IN ONE LINE SIDE PORT. ADDITIONALLY, WHEN A POWER DISTRIBUTION BLOCK IS SUPPLIED, ADDITIONAL CONDUCTORS MAY BE INSTALLED IN AN OPEN LOAD SIDE PORT OF THE POWER DISTRIBUTION BLOCK.
- 3. WIRING SIZING LISTED IS FOR 75°C THHN. 60°C OR 90°C WIRE MAY BE USED. REFER TO NEC TABLE 310.16 FOR SIZING.
- 4. CONDUCTORS SHOULD BE SIZED TO MAINTAIN A VOLTAGE DROP OF LESS THAN 3% UNDER LOAD.

CHECKED ENG APPR. MFG APPR.

DRAWN

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PROPRIETARY AND CONFIDENTIAL	
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									B
	20115			DESODITION			DATE	APPROVED	
	ZONE F	REV.		DESCRIPTION REVISION	S		DAIL	AFFROVED	-
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RAW	N	11/17/10	PRD				3) 378- ~		
HECK		11/22/10	SW	The El	ectric He	ater	Con	npany	
NG A	PPR.	11/22/10	PRD	Customer:					A
IFG APPR. 11/22/10 WEN III DIMENSIONS ARE IN INCHES TOLERANCES: (UNLESS OTHERWISE SPECIFIED) FRACTIONAL ±¼ ANGULAR: MACH ±½° BEND ±1°				TANKLESS EL 27 kW @ 600 SIZE DWG	V, 3Ph	OSTER I	HEATE	R,	
TWO) PLACE D	ACH ±½° E ECIMAL ± DECIMAL ±	0.01		1		CLIFF		-
IHR		JECIIVIAL ±	2	SCALE: 1:1	FSCM: 1985	I	SHEE	T 2 OF 2]
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