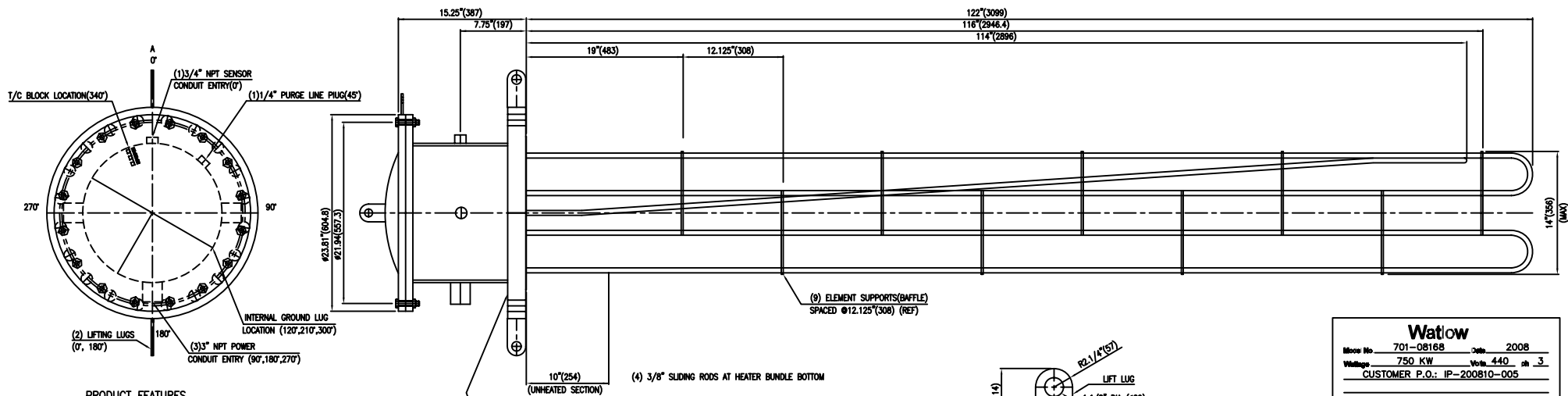
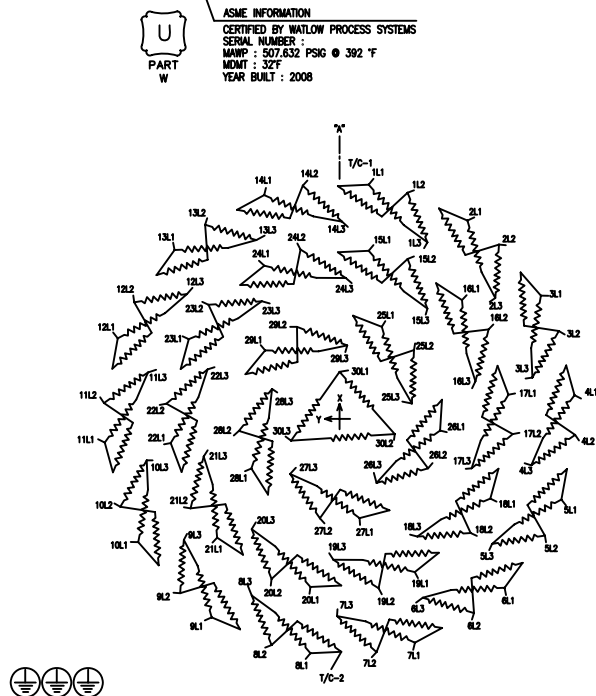


1. FLANGE BOLT HOLES STRADDLE NATURAL CENTERLINES OF HEATER
2. SI/METRIC UNITS OF MEASURE ARE FOR REFERENCE ONLY.
3. HYDROTEST ENCLOSURE @400 PSIG FOR (1) MINUTE.
4. CONDUIT SEALS (BY OTHERS) TO BE FIELD INSTALLED WITHIN 18" OF ENCLOSURE PER NFPA 70, CSA-C22.2 & LOCAL CODES.

5. DESIGNED FOR INLET CENTERED 19.25" FROM FLANGE FACE 00 AND OUTLET CENTER 122" IN FROM FLANGE FACE 00.
6. ASME FLANGE CALCULATIONS BASED ON A NON-ASBESTOS SHEET
1/8" GASKET WITH SA-193 B7 BOLTING.
7. CAUTION: ENSURE THAT THE LIMIT THERMOCOUPLE IS CONNECTED TO APPROPRIATE LISTED LIMIT CONTROLS.
8. CAUTION: ENSURE THAT INCOMING WIRING IS APPROPRIATELY RATED AND SIZED FOR ANTICIPATED ENCLOSURE TEMPERATURE PER LOCAL CODE.

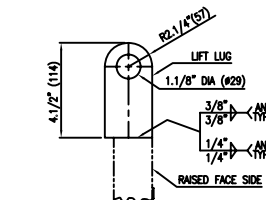


IMMERSION HEATER:	
MODEL NO.: 701-08168	
ELECTRICAL DATA:	
DUTY: 750 KW, 440V, 3PH	
ELECTRICAL CLASSIFICATION: CLASSIFIED CLASS 1 DIV 2 GROUP B,C & D	
ELECTRICAL ENCLOSURE: CSA TYPE 4 EXPLOSION / MOISTURE RESISTANT	
MAX. ANTICIPATED HOUSING TEMP: 104°F (40 °C)	
ELECTRICAL CONNECTION(S): 30 CIRCUITS MAX. WIRE SIZE: 2/0 AWG	
PROCESS DATA:	
MEDIUM: HYDROGEN	MEDIA STATE: GAS
FLOW RATE: 3947 LB/HR (18613 NMS/HR)	
INLET TEMP: 86°F(30°C)	
OUTLET TEMP: 275°F (135°C)	
OPERATING PRESSURE: 406.11 PSIG (28 BARG)	
ESTIMATED SHEATH TEMP: 343°F (173°C)	
SUGGESTED LMT SET TEMP: 543°F (283.9°C)	
DESIGN DATA:	
DESIGNED, MANUFACTURED & STORED IN ACCORDANCE WITH ASME SECTION VIII, DIV. 1, 2007 EDITION	
DESIGN PRESSURE: 507.63204 PSIG (35 BARG)	
DESIGN TEMP: 392°F (200°C)	
MOMT: 32°F (0°C)	
HYDRO TEST PRESSURE: 660 PSIG (46.4 KG/CM2G)	
NDE: NONE	
CORROSION ALLOWANCE: 0.118" (3MM)	
MATERIAL SPECIFICATIONS:	
FLANGE: 16 NPS CLASS 300, RF BLIND, A105 PER B16.5 EXCEPT 3.3/4"(95mm) INCHES THICK	
HEATING ELEMENTS : ALLOY 800	
BMTFLS : 304 STAINLESS STEEL	
ELECTRICAL ENCLOSURE : CARBON STEEL	
ENCLOSURE HARDWARE : ZINC PLATED	
ENCLOSURE PAINT : PRIMER ONLY (std CS)	
FLANGE PAINT: NO PAINTING(std CS)	
ELEMENT END SEAL: EPOXY	
HEATER SPECIFICATIONS:	
QTY & SIZE OF ELEMENTS : (90) 0.43" DIA x STD WALL	
WATT DENSITY / HEAT FLUX: 27.5 WPSI	
IMMERSED LENGTH (BUNDLE REMOVAL DISTANCE) : 122" (3098.8 MM)	
LIMIT THERMOCOUPLE : (2) ANSI TYPE "K", SINGLE UNGROUNDED	
WEIGHTS:	
ESTIMATED HEATER BUNDLE WEIGHT : 1400 LB (635 KG)	

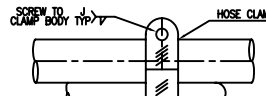


ELEMENT WIRING DIAGRAM

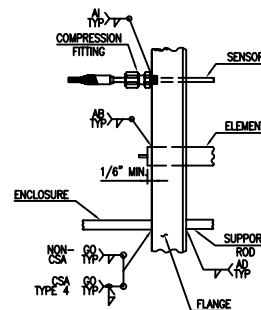
RESISTANCE PER CIRCUIT : 14.01 ~ 16.23 OHMS



ATTACHMENT OF LIFTING LUG TO FLANGE



ATTACHMENT OF SENSOR TIP TO ELEMENT



ELEMENT & SENSOR WELD DETAIL



WATLOW

Model No. 701-08168 Date 2008
 Voltage 750 KW Volts 440 ph 3
 CUSTOMER P.O.: IP-200810-005

CAUTION: READ INSTALLATION MANUAL BEFORE POWERING.
 DO NOT OVER WHEM ENERGIZED.

"Be easy, install Watlow"

WATLOW

Hammond, Missouri 63040 USA 672-221-2890
www.watlow.com

FOR APPROVAL

[illegible]