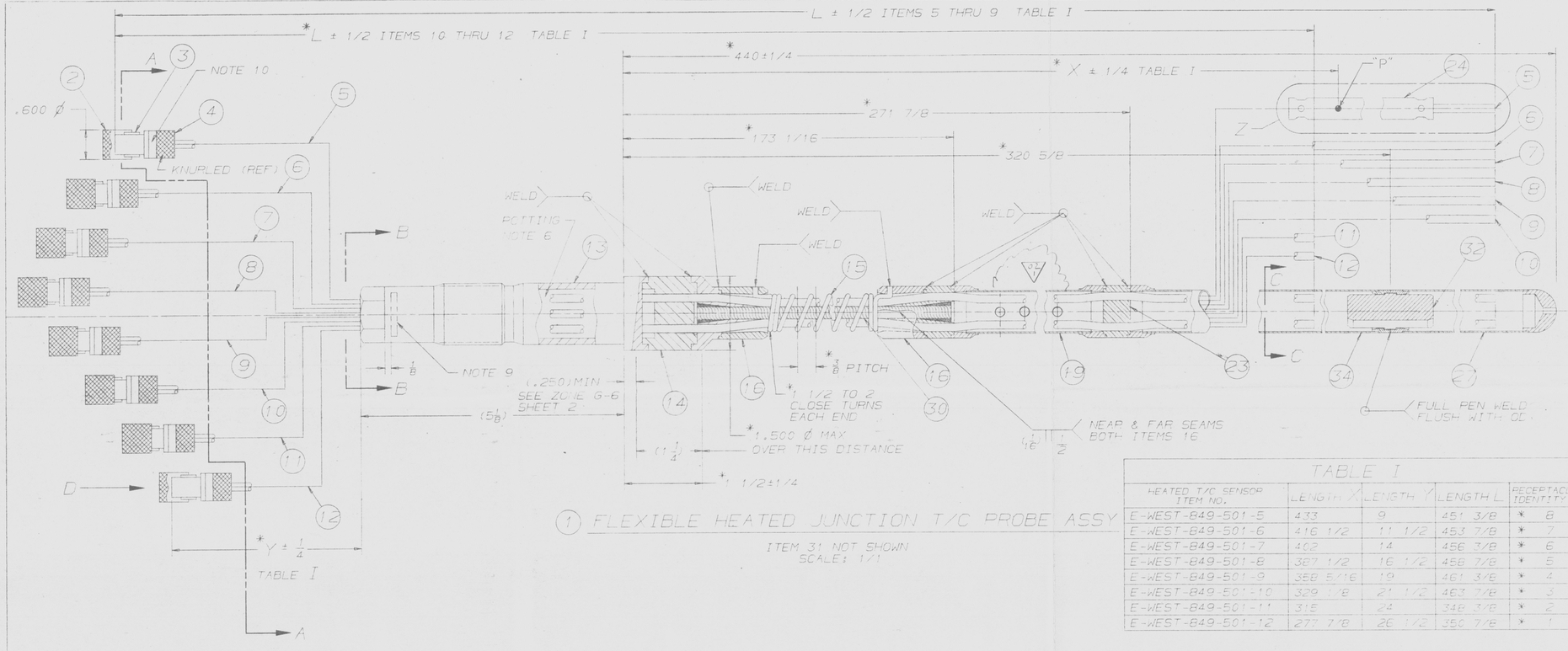


(1) FLEXIBLE HEATED JUNCTION T/C PROBE ASSY

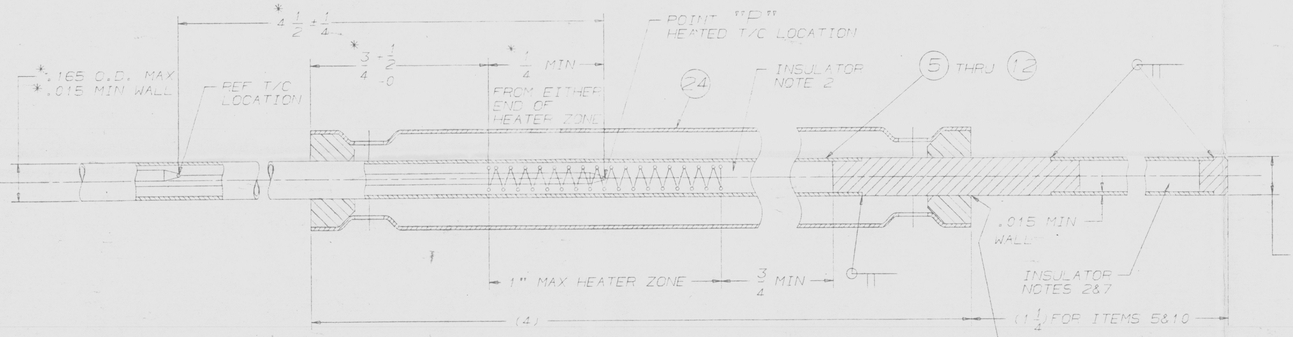
ITEM 31 NOT SHOWN
SCALE: 1/1

HEATED T/C SENSOR ITEM NO.	LENGTH X	LENGTH Y	LENGTH L	RECEPTACLE IDENTITY NO.
E-WEST-849-501-5	433	9	451 3/8	* 8
E-WEST-849-501-6	416 1/2	11 1/2	453 7/8	* 7
E-WEST-849-501-7	402	14	456 3/8	* 6
E-WEST-849-501-8	387 1/2	16 1/2	458 7/8	* 5
E-WEST-849-501-9	358 5/16	19	461 3/8	* 4
E-WEST-849-501-10	329 1/8	21 1/2	463 7/8	* 3
E-WEST-849-501-11	315	24	348 3/8	* 2
E-WEST-849-501-12	277 7/8	26 1/2	350 7/8	* 1

BILL OF MATERIALS

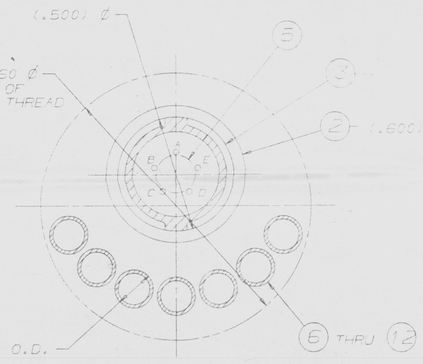
QUANTITIES ARE FOR

GROUP NO. & QUANTITY 6	5	4	3	2	1	ITEM NO.	NAME	PIECE NO.	MATERIAL	REMARKS
				X		1	FLEXIBLE HJTC PROBE ASSY	E-WEST-849-508-1		
					8	2	DUST CAP	-2	300 SERIES SS	NOTE 8
					8	3	RECEPTACLE	-3		NOTE 4
					8	4	RECEPTACLE SLEEVE	-4	300 SERIES SS	NOTE 4
					1	5	HJTC SENSOR	-5	NOTE 2	
					1	6	HJTC SENSOR	-6	NOTE 2	
					1	7	HJTC SENSOR	-7	NOTE 2	
					1	8	HJTC SENSOR	-8	NOTE 2	
					1	9	HJTC SENSOR	-9	NOTE 2	
					1	10	HJTC SENSOR	-10	NOTE 2	
					1	11	HJTC SENSOR	-11	NOTE 2	
					1	12	HJTC SENSOR	-12	NOTE 2	
					1	13	SEAL PLUG	-13	ASTM A479 TYPE 347 SS	
					1	14	HEADER	-14	ASTM A479 TYPE 347 SS	
					AS REQ	15	WIRE	-15	ASTM A479 TYPE 304 SS	.093 Ø
					2	16	CLAMP SET	-16	ASTM A479 TYPE 304 SS	
			1		1	17	SEPARATOR DISC	-17	ASTM A479 TYPE 304 SS	
			1		1	18	SEPARATOR DISC	-18	ASTM A479 TYPE 304 SS	
				X		19	UPPER TUBE ASSY	-19		
					1	20	UPPER TUBE	-20	ASTM A269 TYPE 304 SS	
			1		2	21	ADAPTOR	-21	ASTM A479 TYPE 304 SS	
			1			22	WIRE ROPE	-22	300 SERIES SS	7 X 19 PREFORMED REGULAR LAY
					1	23	DIVIDER DISC	-23	ASTM A479 TYPE 304 SS	
				X	8	24	SPLASH GUARD ASSY	-24		
						25	PLUG	-25	ASTM A479 TYPE 304 SS	
					1	26	TUBE	-26	ASTM A269 TYPE 304 SS	
				X	1	27	LOWER TUBE ASSY	-27		
					1	28	LOWER TUBE	-28	ASTM A269 TYPE 304 SS	
					1	29	CAP	-29	ASTM A479 TYPE 304 SS	
				X	1	30	CABLE ASSY	-30		
					1	31	DRIVE NUT	-31	ASTM A479 TYPE 347 SS	
					1	32	DIAPHRAGM	-32	ASTM A479 TYPE 304 SS	
					1	33	RING FLANGE	-33	ASTM A479 TYPE 304 SS	
				X		34	MIDDLE TUBE ASSY	-34		
					1	35	MIDDLE TUBE	-35	ASTM A269 TYPE 304 SS	



DETAIL Z

SCALE: 4/1



SECTION A-A

SCALE: 4/1

10. ELECTROETCH RECEPTACLE IDENTITY NUMBER AS DESIGNATED IN TABLE I, .150 INCH HIGH IN AREA SHOWN ON ITEM 4

9. ELECTROETCH CONTRACT IDENTITY NUMBER, PART NUMBER, SERIAL NUMBER AND DATE OF MANUFACTURE .150 INCH HIGH IN AREA SHOWN ON ITEM 13

8. ITEM 2: G&H TECHNOLOGY 1008-205-001

7. NON-ACTIVE PORTION OF ITEMS 5 THRU 12 MAY BE FABRICATED FROM SOLID ROD WITH PURCHASER APPROVAL. SOLID ROD TO BE PER ASTM A-479 TYPE 304 SS

6. POT SEAL ITEM 13 INTERIOR WITH CERAMACAST 511 OR PURCHASER APPROVED EQUIVALENT

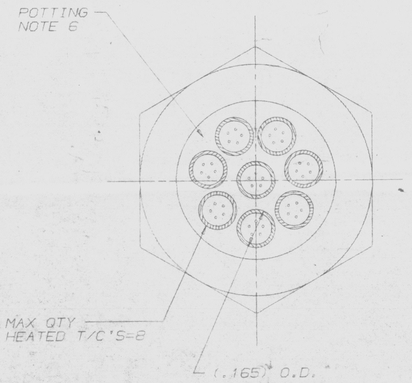
5. CHROME PLATE ITEM 13 THREADS PER QQ-C-320B CLASS 2B .0004-.0008 THICK. ALL DIMENSIONS APPLY AFTER PLATING

4. ITEM 3: PER G&H TECHNOLOGY PART NO. 1008-200, MATING PLUG (NOT SHOWN) TO BE G&H PART NO. 1008-100. ITEM 3 MUST INCLUDE ITEM 4

3. INDICATED FEATURES REFERENCED BY ASTERISK (*) ARE PURCHASER DESIGN REQUIREMENTS WHICH SUPPLIER MUST MEET. ALL OTHER FEATURES, BRAZED & WELDED JOINTS SHALL BE DESIGNED BY SUPPLIER WITH APPROVAL REQUIRED BY CENPS

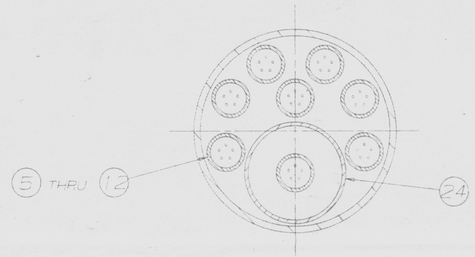
2. PRODUCT TO BE IN ACCORDANCE WITH CENPS SPEC #00000-FEA-5001

1. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES



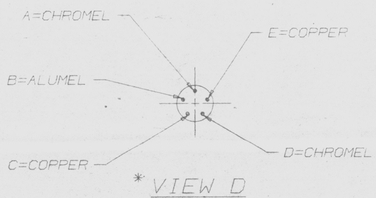
SECTION B-B

SCALE: 4/1



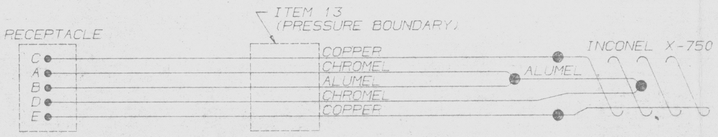
SECTION C-C

SCALE: 4/1



* VIEW D

SHOWING ORIENTATION OF RECEPTACLE CONDUCTORS ITEM 2 NOT SHOWN
SCALE: 1/1



* ELECTRICAL SCHEMATIC ITEMS 5 THRU 12

SCALE: NONE

E-WEST-849-508

SHEET 1 OF 2 02

REGULATORY DOCKET FILE COPY

POOR ORIGINAL

8303160332 E

Docket # 50-250
Control # 8303160267
Date 03/10/83 of Document:
REGULATORY DOCKET FILE

PRC APERTURE CARD

APPROVED REFERENCE DESIGN

QA STATUS: VERIFIED
THE SAFETY RELATED DESIGN INFORMATION CONTAINED IN THIS DOCUMENT HAS BEEN REVIEWED AND SATISFIES (WHERE APPLICABLE) THE ITEMS CONTAINED ON CHECK LIST(S) 1 AND 3 OF THE QUALITY ASSURANCE OF DESIGN MANUAL. THIS REVIEW IS SO CERTIFIED.
INDEPENDENT REVIEWER: J. Peterson Jr.
DATE: 1/20/83
DOCUMENT REV. NO. 02

REV.	DESCRIPTION	BY & DATE	CHK'D & DATE	ENGR APPR	PROJ APPR
01	1.-APPROVED REFERENCE DESIGN & ADDED QA STATUS LABEL PER REV REQ B00506-75	W.SHARD RAMODO 9-13-82	C.S. RAMODO 9-13-82	Dan Ford 9-13-82	
02	1.-ZONE G-5: REVISED HOLE PATTERN [2-DELETED NOTE 11] FOR OTHER CHANGES SEE SHT 2 PER REV REQ 15381-333	W.SHARD RAMODO 1-20-83	C.S. RAMODO 1-20-83	Dan Ford 1-20-83	

UNLESS OTHERWISE SPECIFIED
DIMENSIONING & TOLERANCING PER ANSI Y14.5 1973
DIMENSIONS APPLY AT 68°F(20°C)
DO NOT SCALE DRAWING

DIMENSIONS UNDER 6	6-18	OVER 18
DECIMAL	±.005	±.005	±.010
FRACTION	±1/64	±1/32	±1/16

BREAK CORNERS 1/64 APPROX. / R OR CHAM - FILLETS 1/64 TO 1/32 R
FINISH (µ) AA125 MICRO IN.
ANGLES ± 01-30' CHAM 15°

POWER SYSTEMS
COMBUSTION ENGINEERING INC.
NUCLEAR POWER SYSTEMS

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CUSTOMER: TURKEY POINT 4

NEXT ASSY | SUPERCEDES
JOB NO. | COMPONENT CODE | SCALE | AS TOCD | SHEET OF 2 | REV

DRAWN BY W. SHARD RAMODO 9-13-82
CHECKED R.S. AMODIO 9-19-82
APPROVALS: [illegible] 10-1-82
[illegible] 11/9/82
[illegible] 1/20/83
[illegible] 1-20-83

TITLE: FLEXIBLE HJTC PROBE ASSY

DWG NO. E-WEST-849-508 02