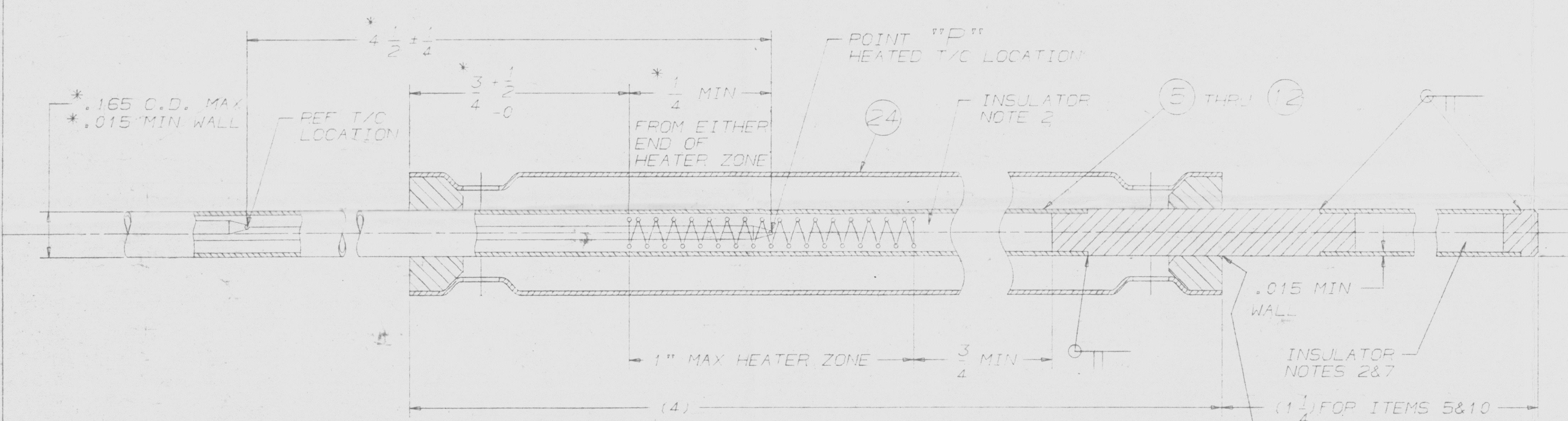


① FLEXIBLE HEATED JUNCTION T/C PROBE ASSY

ITEM 31 NOT SHOWN  
SCALE: 1/1

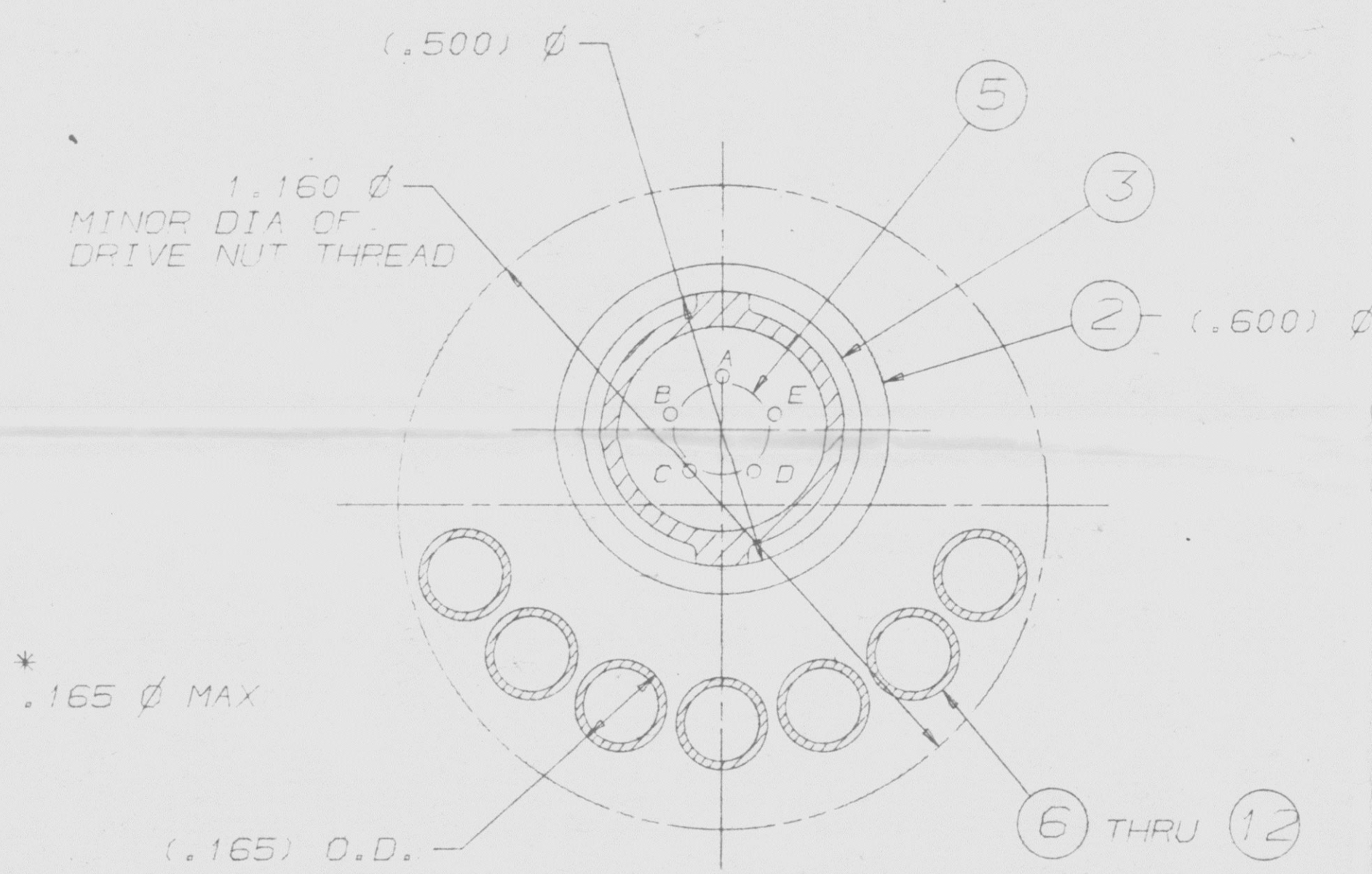
TABLE I

| 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                     |



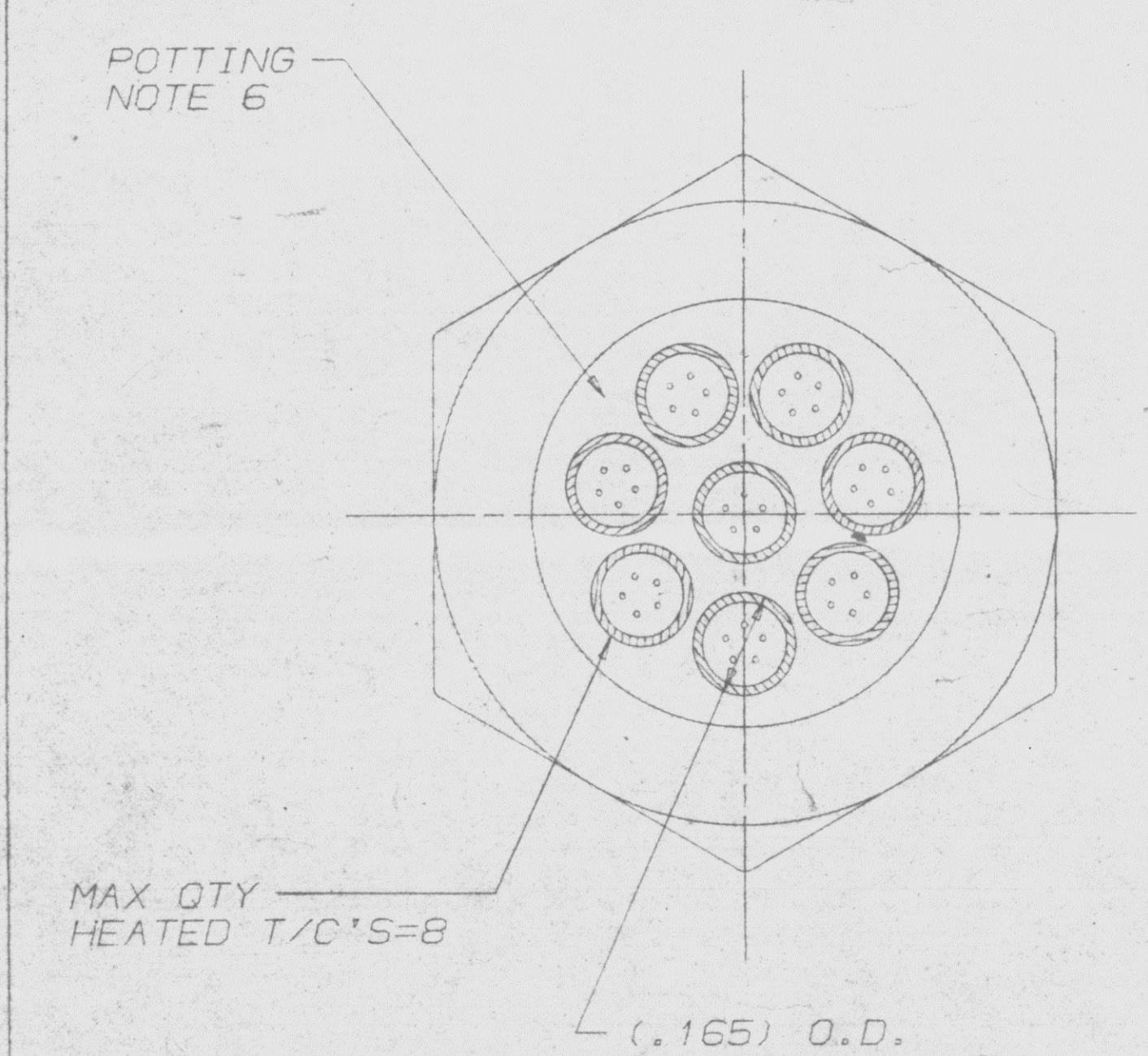
DETAIL 2

SCALE: 4/1



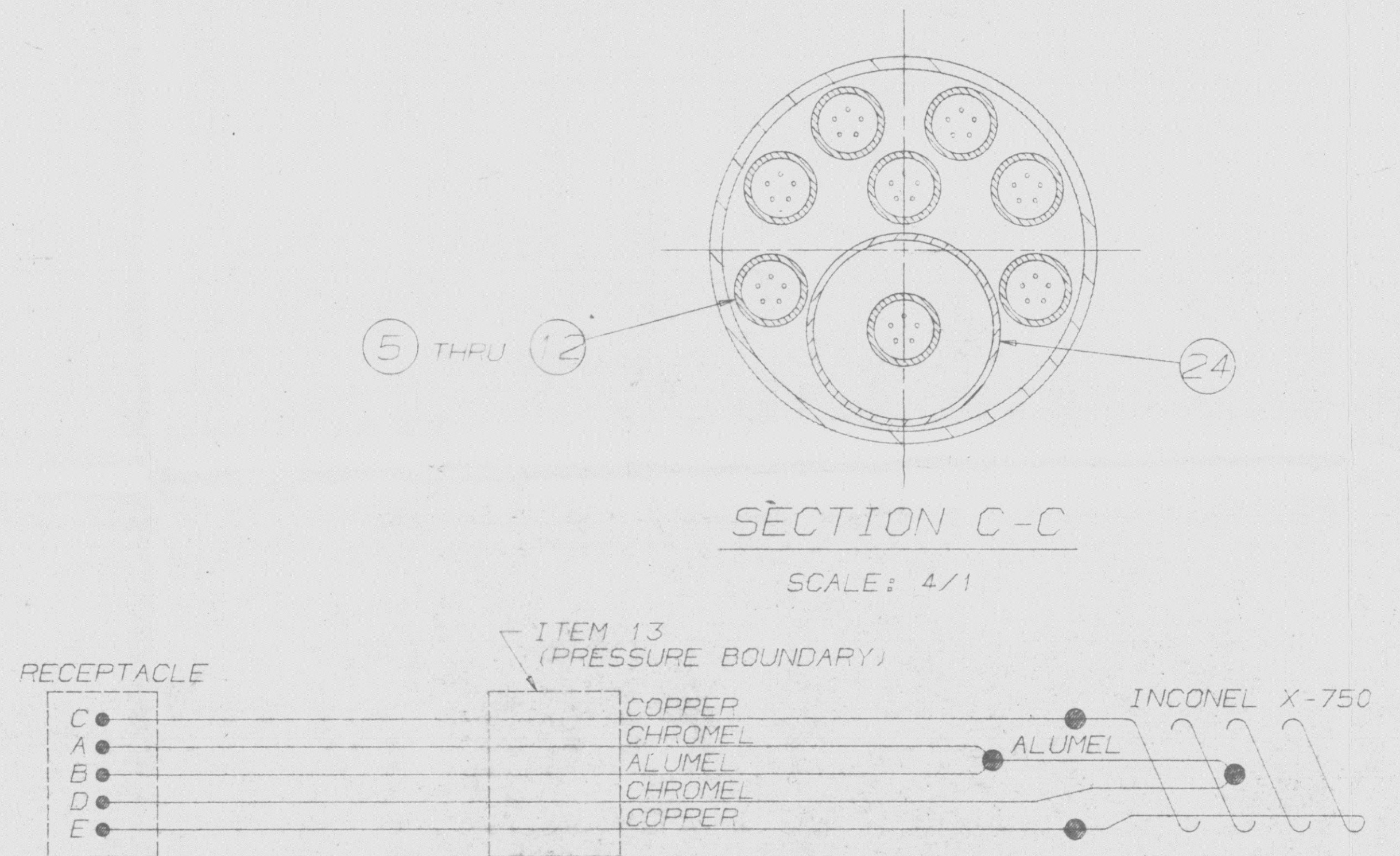
SECTION A-A

SCALE: 4/1



SECTION B-B

SCALE: 4/1



ELECTRICAL SCHEMATIC ITEMS 5 THRU 12

SCALE: NONE

BILL OF MATERIALS  
QUANTITIES ARE FOR

| GROUP NO. & QUANTITY | ITEM NO. | NAME                     | PIECE NO.        | MATERIAL    | REMARKS          |
|----------------------|----------|--------------------------|------------------|-------------|------------------|
| 654321               | 1        | FLEXIBLE HJTC PROBE ASSY | E-WEST-849-501-1 | SS          |                  |
|                      | 2        | DUST CAP                 | -2               | 300 SERIES  | NOTE 8           |
|                      | 3        | RECEPTACLE               | -3               | SS          | NOTE 4           |
|                      | 4        | RECEPTACLE SLEEVE        | -4               | 300 SERIES  | NOTE 4           |
|                      | 5        | HJTC SENSOR              | -5               | NOTE 2      |                  |
|                      | 6        | HJTC SENSOR              | -6               | NOTE 2      |                  |
|                      | 7        | HJTC SENSOR              | -7               | NOTE 2      |                  |
|                      | 8        | HJTC SENSOR              | -8               | NOTE 2      |                  |
|                      | 9        | HJTC SENSOR              | -9               | NOTE 2      |                  |
|                      | 10       | HJTC SENSOR              | -10              | NOTE 2      |                  |
|                      | 11       | HJTC SENSOR              | -11              | NOTE 2      |                  |
|                      | 12       | HJTC SENSOR              | -12              | NOTE 2      |                  |
|                      | 13       | SEAL PLUG                | -13              | TYPE 304 SS |                  |
|                      | 14       | HEADER                   | -14              | TYPE 304 SS |                  |
|                      | 15       | WIPE                     | -15              | TYPE 304 SS | .093 O           |
|                      | 16       | CLAMP SET                | -16              | TYPE 304 SS |                  |
|                      | 17       | SEPARATOR DISC           | -17              | TYPE 304 SS |                  |
|                      | 18       | SEPARATOR DISC           | -18              | TYPE 304 SS |                  |
|                      | 19       | UPPER TUBE ASSY          | -19              | ASTM A269   |                  |
|                      | 20       | UPPER TUBE               | -20              | TYPE 304 SS |                  |
|                      | 21       | ADAPTOR                  | -21              | TYPE 304 SS |                  |
|                      | 22       | WIRE ROPE                | -22              | 100 SERIES  | 7 X 18 PREFORMED |
|                      | 23       | DIVIDER DISC             | -23              | TYPE 304 SS | REGULAR LAY      |
|                      | 24       | SPLASH GUARD ASSY        | -24              | ASTM A269   |                  |
|                      | 25       | PLUG                     | -25              | TYPE 304 SS |                  |
|                      | 26       | TUBE                     | -26              | TYPE 304 SS |                  |
|                      | 27       | LOWER TUBE ASSY          | -27              | ASTM A269   |                  |
|                      | 28       | LOWER TUBE               | -28              | TYPE 304 SS |                  |
|                      | 29       | CAP                      | -29              | TYPE 304 SS |                  |
|                      | 30       | CABLE ASSY               | -30              | ASTM A269   |                  |
|                      | 31       | DRIVE NUT                | -31              | TYPE 304 SS |                  |
|                      | 32       | DIVIDER                  | -32              | TYPE 304 SS |                  |
|                      | 33       | RING FLANGE              | -33              | TYPE 304 SS |                  |
|                      | 34       | MIDDLE TUBE ASSY         | -34              | ASTM A269   |                  |
|                      | 35       | MIDDLE TUBE              | -35              | TYPE 304 SS |                  |

- ELECTROETCH RECEPTACLE IDENTITY NUMBER AS DESIGNATED IN TABLE I, .150 INCH HIGH IN AREA SHOWN ON ITEM 4
- ELECTROETCH CONTRACT IDENTITY NUMBER, PART NUMBER, SERIAL NUMBER AND DATE OF MANUFACTURE .150 INCH HIGH IN AREA SHOWN ON ITEM 13
- ITEM 2: G&H TECHNOLOGY 100B-205-001
- 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
- POT SEAL ITEM 13 INTERIOR WITH CERAMACAST 511 OR PURCHASER APPROVED EQUIVALENT
- CHROME PLATE ITEM 13 THREADS PER QQ-C-320B CLASS 2B .0004-.0008 THICK. ALL DIMENSIONS APPLY AFTER PLATING
- ITEM 3: PER G&H TECHNOLOGY PART NO. 100B-200, MATING PLUG (NOT SHOWN) TO BE G&H PART NO. 100B-100. ITEM 3 MUST INCLUDE ITEM 4
- 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
- PRODUCT TO BE IN ACCORDANCE WITH CENPS SPEC #00000-FEA-5001
- UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS ARE IN INCHES

E-WEST-849-501  
SHEET 1 OF 2 02

REGULATORY DOCKET FILE COPY

POOR ORIGINAL  
8303160329

PRO APERTURE CARD

APPROVED REFERENCE DESIGN

OR STATUS: VERIFIED  
THE SAFETY RELATED DESIGN INFORMATION CONTAINED IN THIS DOCUMENT HAS BEEN REVIEWED AND SATISFIES THE REQUIREMENTS OF THE DESIGN MANUAL. THE DESIGNER'S SIGNATURE AND DATE OF REVIEW IS REQUIRED. THE QUALITY ASSURANCE OF DESIGN MANUAL THIS REVIEW IS SO CERTIFIED.  
DATE: 1-20-83  
DOCUMENT REV. NO.: 02

| REV. | DESCRIPTION   | BY | DATE | CHKD | DATE | APP'D | DATE |
|------|---|----|------|------|------|-------|------|
| 1    | APPROVED REFERENCE DESIGN & ADDED QA STATUS LABEL PER REV REQ 800506-75                                 |    |      |      |      |       |      |
| 2    | 1-ZONE G-5 REVISED WIRE PATTERNS (2-DELETED NOTE 11) FOR OTHER CHANGES SEE SHT 2 PER REV REQ 815381-223 |    |      |      |      |       |      |

| UNLESS OTHERWISE SPECIFIED:  |  | POWER SYSTEMS   |  | CUSTOMER   |  |
|--|--|---|--|--|--|
| DIMENSIONING & TOLERANCING PER ANSI Y14.5-1913   |  | THIS DRAWING IS THE PROPERTY OF POWER SYSTEMS. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREON. IT IS NOT TO BE REPRODUCED OR COPIED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF POWER SYSTEMS. |  | DRAWN BY: H. SMARD<br>CHECKED BY: J. AMOS<br>APPROVED BY: J. AMOS<br>DATE: 1/19/83 |  |
| DIMENSIONS UNDER 6" 5-16, OVER 16 DECIMAL 1.005, 1.505, 1.010 FRACTION 11/64, 11/32, 11/16 |  | TITLE: TURKEY POINT 3   |  | FLEXIBLE HJTC PROBE ASSY   |  |
| BREAK CORNERS 1/64 APPROX. R OR CHAM - FILLETS 1/64 TO 1/32 R                              |  | NEXT ASSY:  |  | SUPERCEDES:  |  |
| FINISH: W/ AN125 MICRO IN. HOLES ± 0.001 CHAM 15°  |  | JOB NO.:  |  | COMPONENT CODE:  |  |
|  |  | SCALE:  |  | SHEET 1 OF 2   |  |