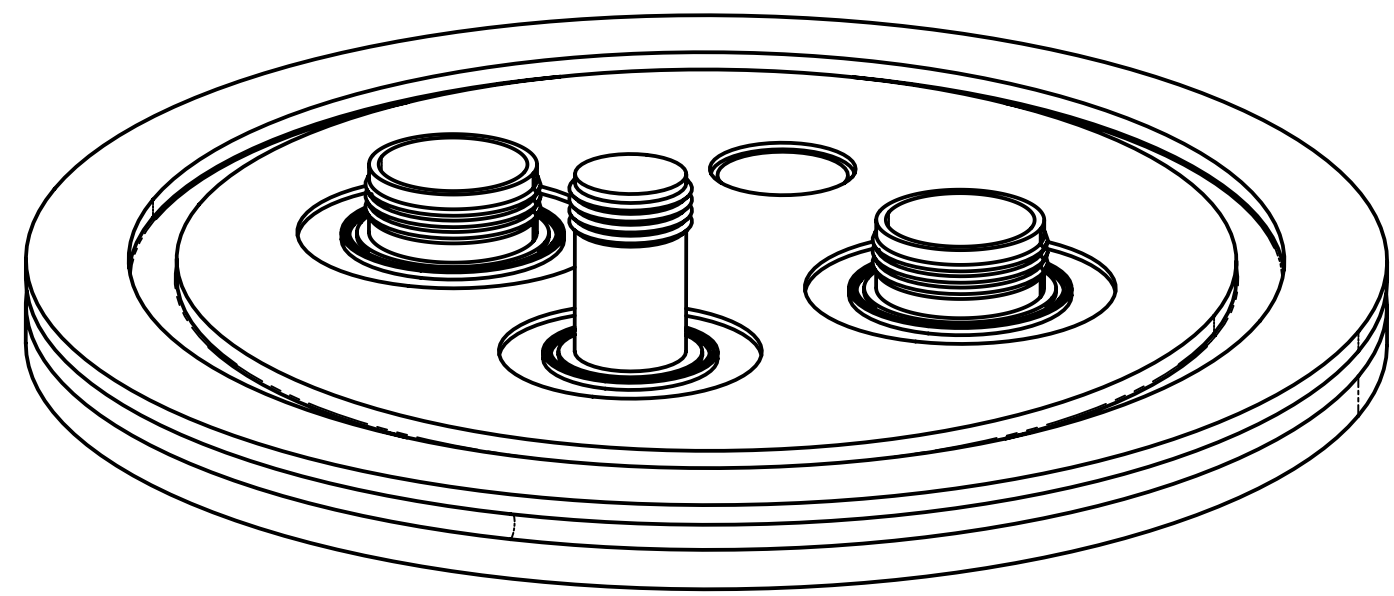
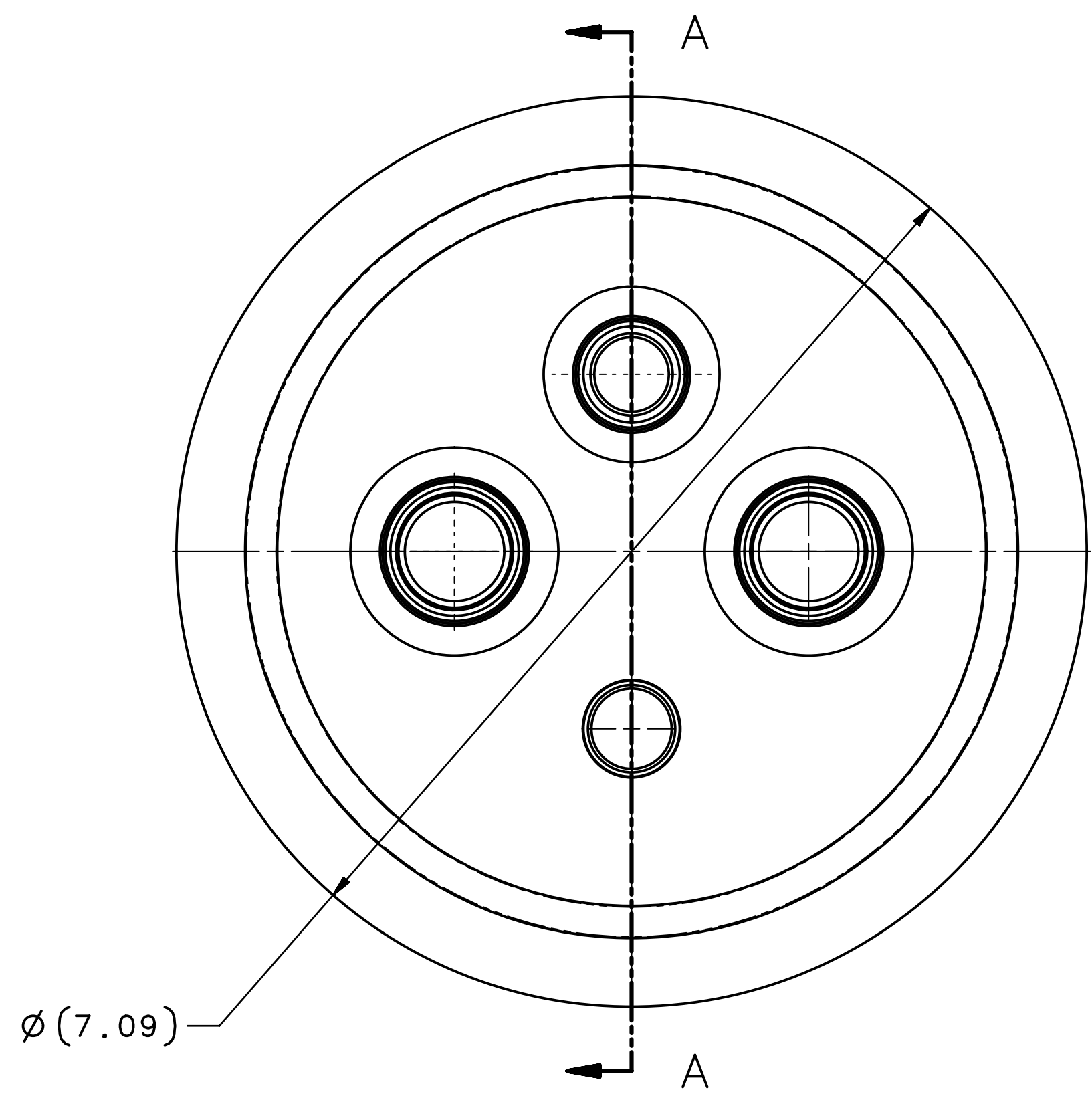
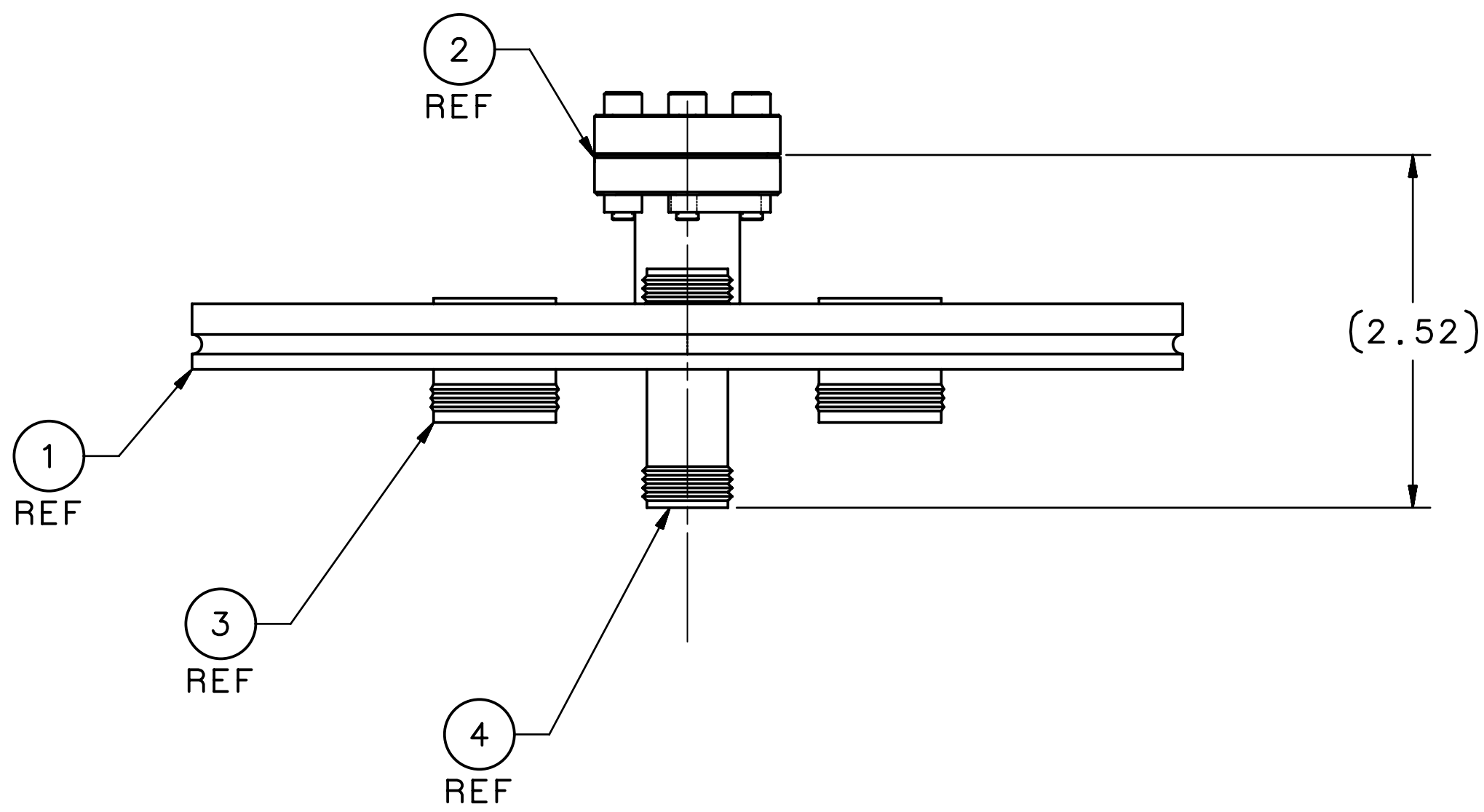


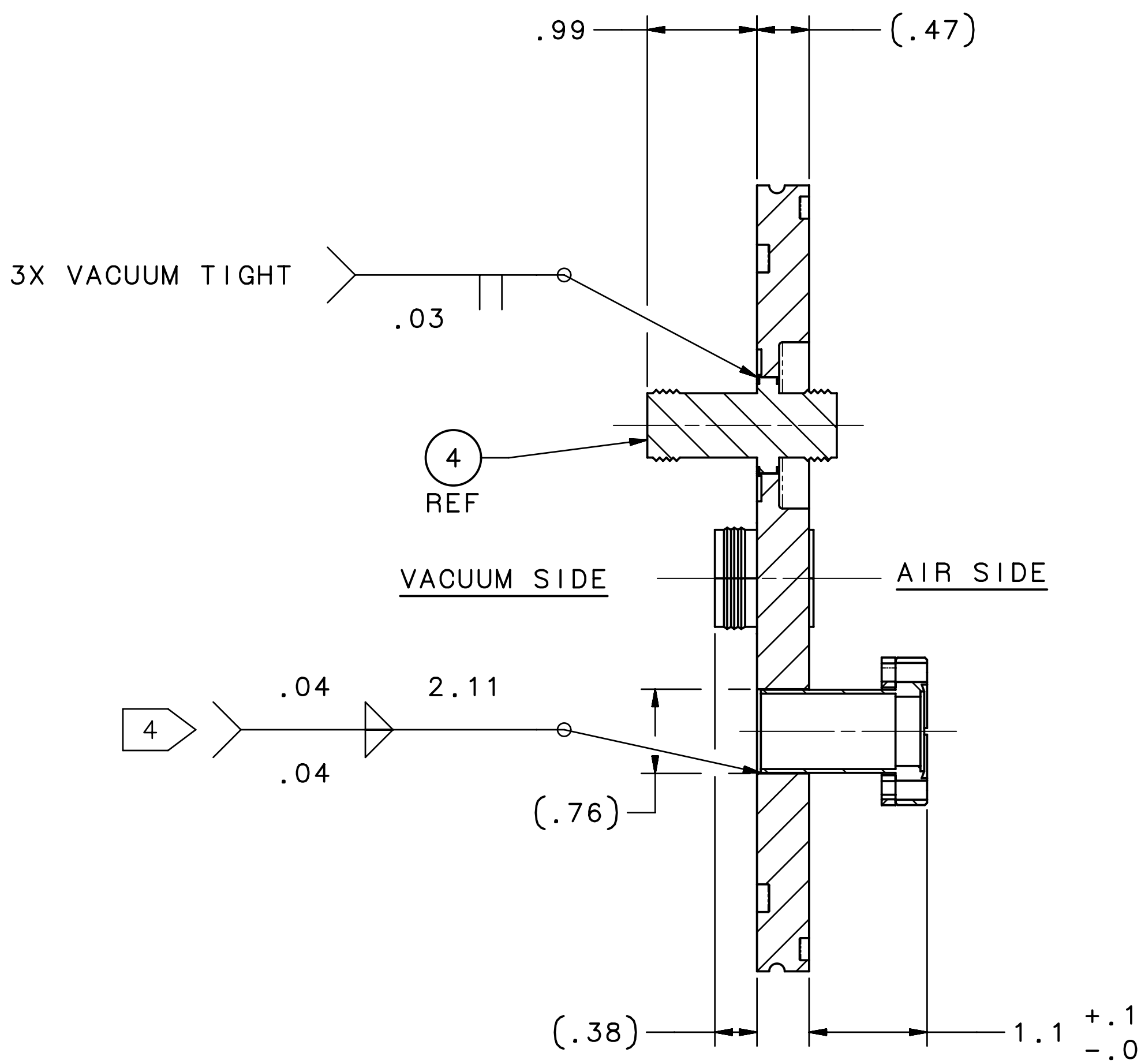
| REVISION HISTORY |     |             | DATE/REVISOR |
|------------------|-----|-------------|--------------|
| ZONE             | REV | DESCRIPTION |              |



ISOMETRIC VIEW

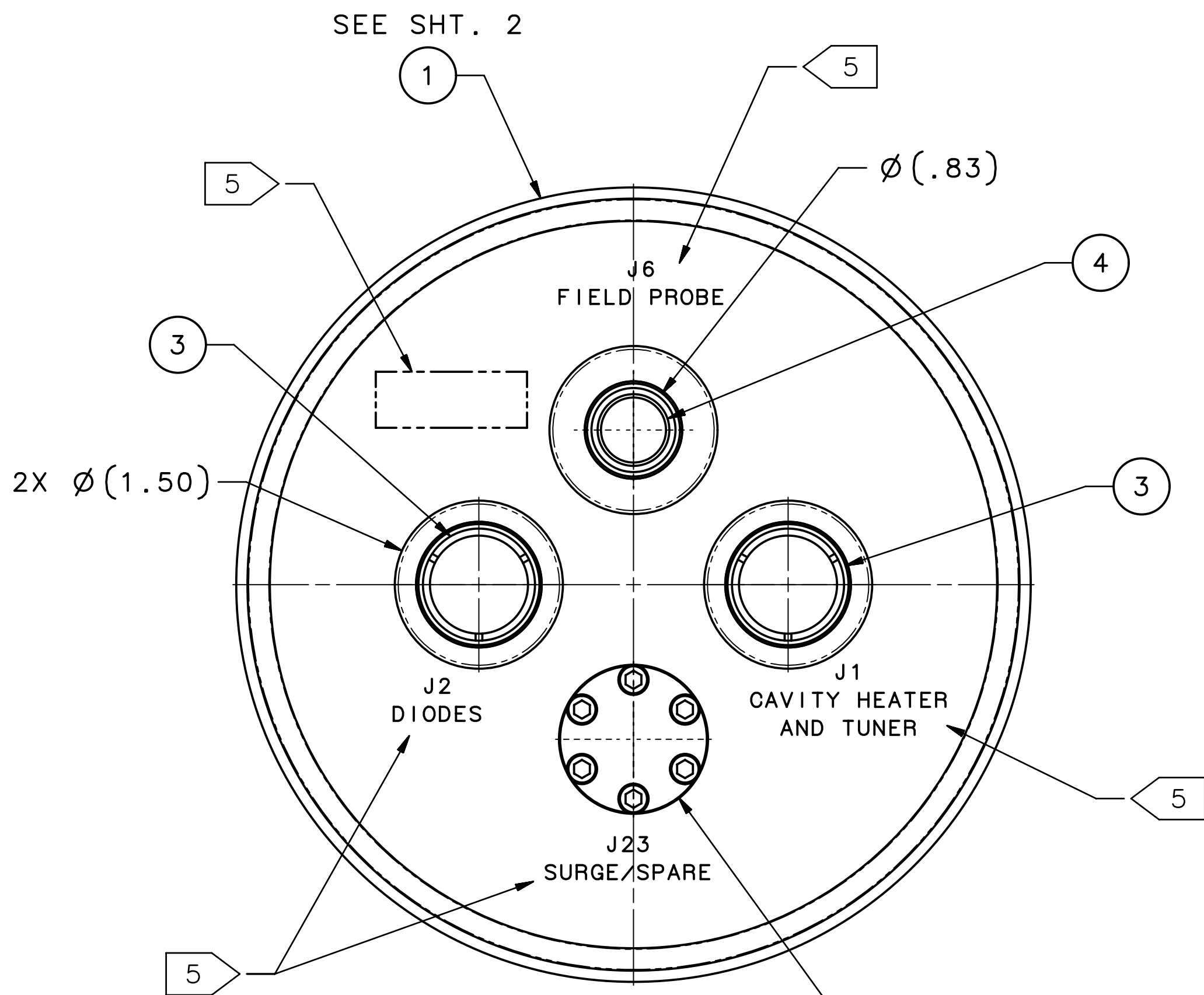


VACUUM SIDE



SECTION A-A

HARDWARE REMOVED FOR CLARITY



AIR SIDE

NOTES:

- CLEAN AND HANDLE PER TJNAF SPECIFICATION 11141-S-0035
- PRESSURE TEST THE ASSEMBLY PER ASME BPVC SEC VIII-1 BEFORE PERFORMING THE VACUUM LEAK TEST (NOTE 3)  
-DESIGN PRESSURE IS 25 PSIG.  
-PRESSURE SHALL BE APPLIED TO THE \*VACUUM SIDE\*.
- VACUUM LEAK CHECK SHALL BE IN ACCORDANCE WITH JLAB SPECIFICATION: 11141-S-0033  
-NO DETECTABLE LEAK GREATER THAN  $1 \times 10^{-9}$  atm. cc/sec.

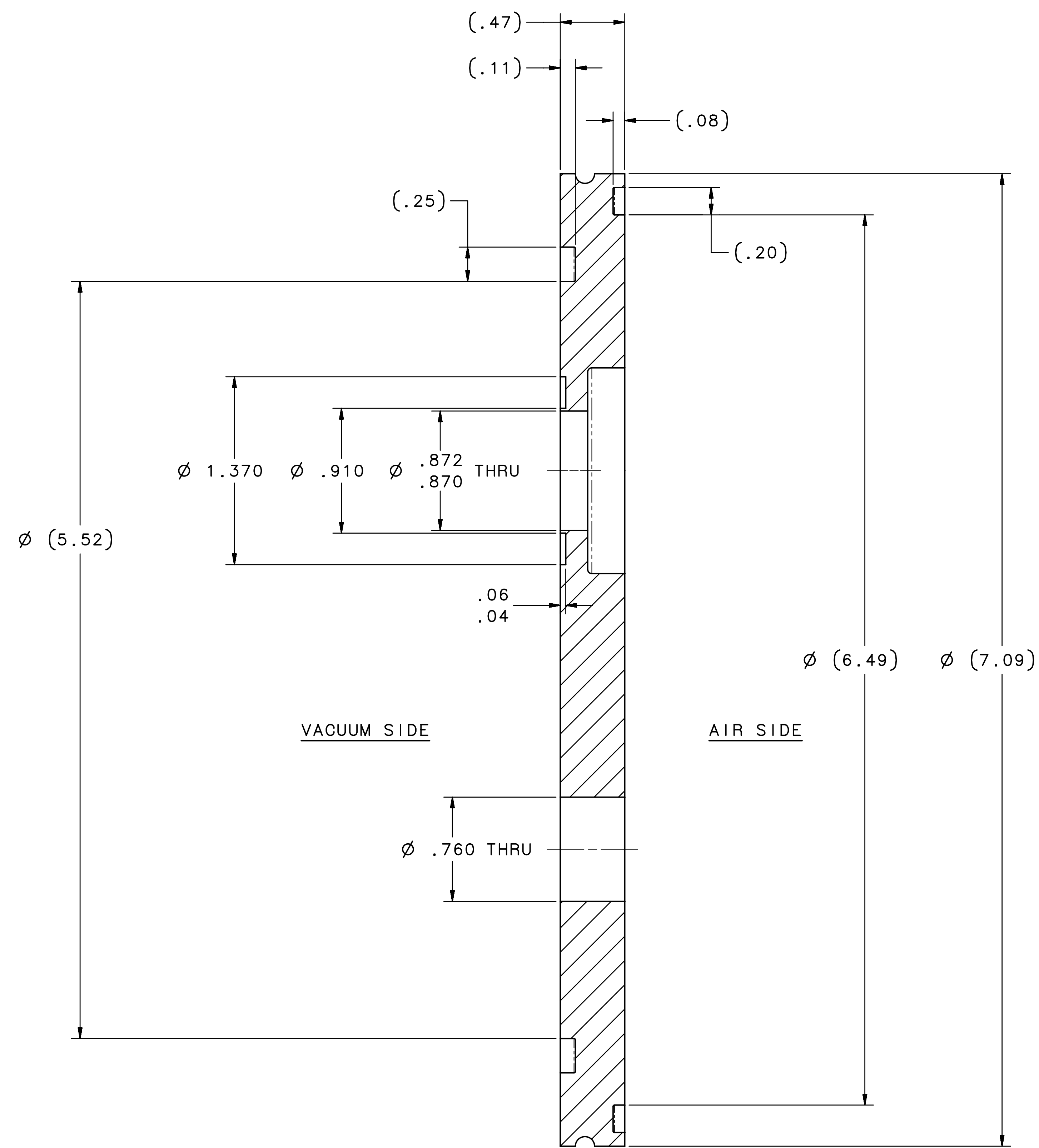
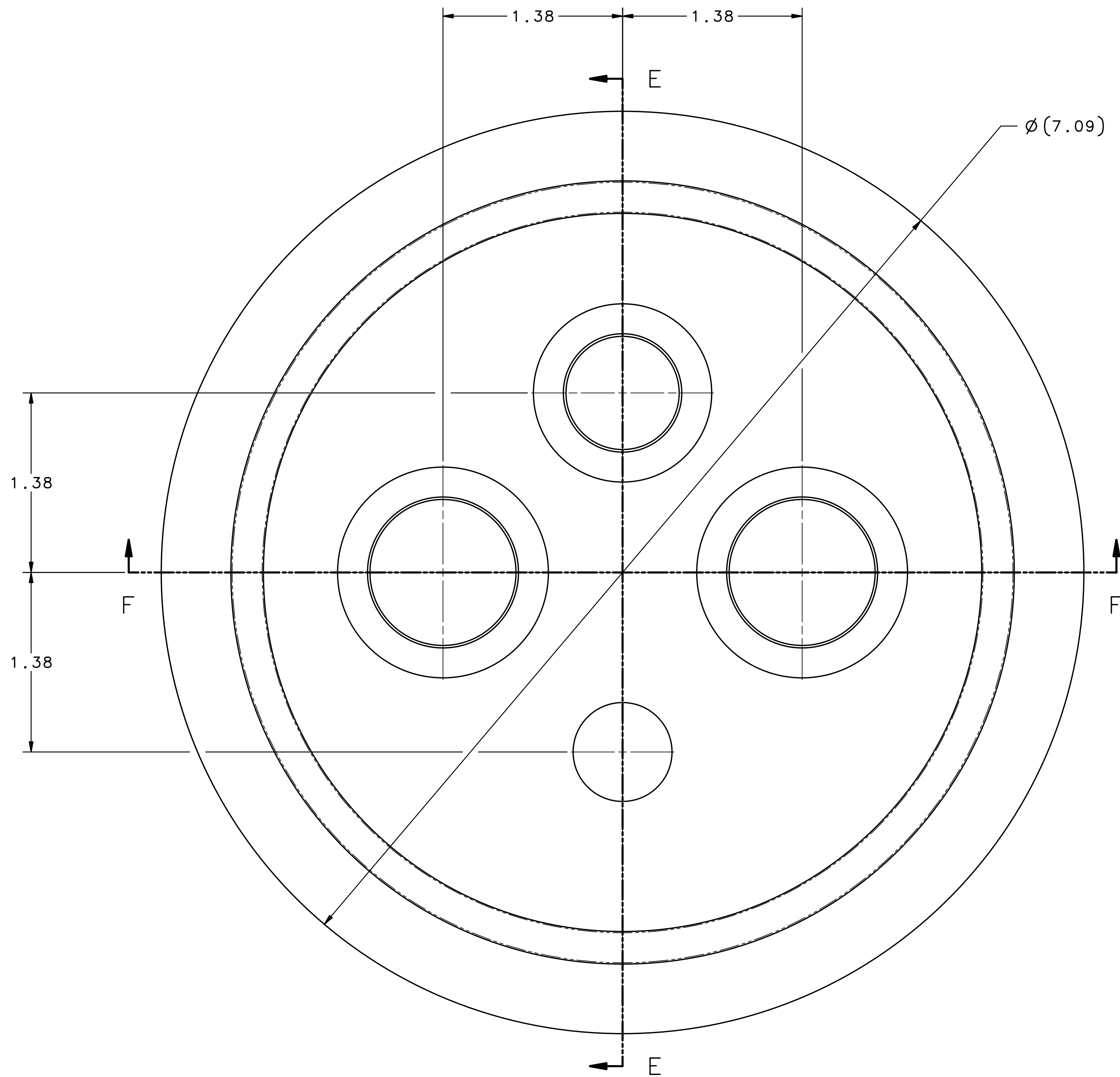
4. WELD PER REQUIREMENTS OF ASME BPVC SEC VIII-1.

5. DRAWING NUMBER/LABELS (104210100-A002r--ZZZ)  
- ZZ SHALL BE SERIAL NUMBER  
- TO BE ETCHED OR ENGRAVED IN APPROXIMATE  
- LOCATION USING MINIMUM .13 HIGH CHARACTERS.

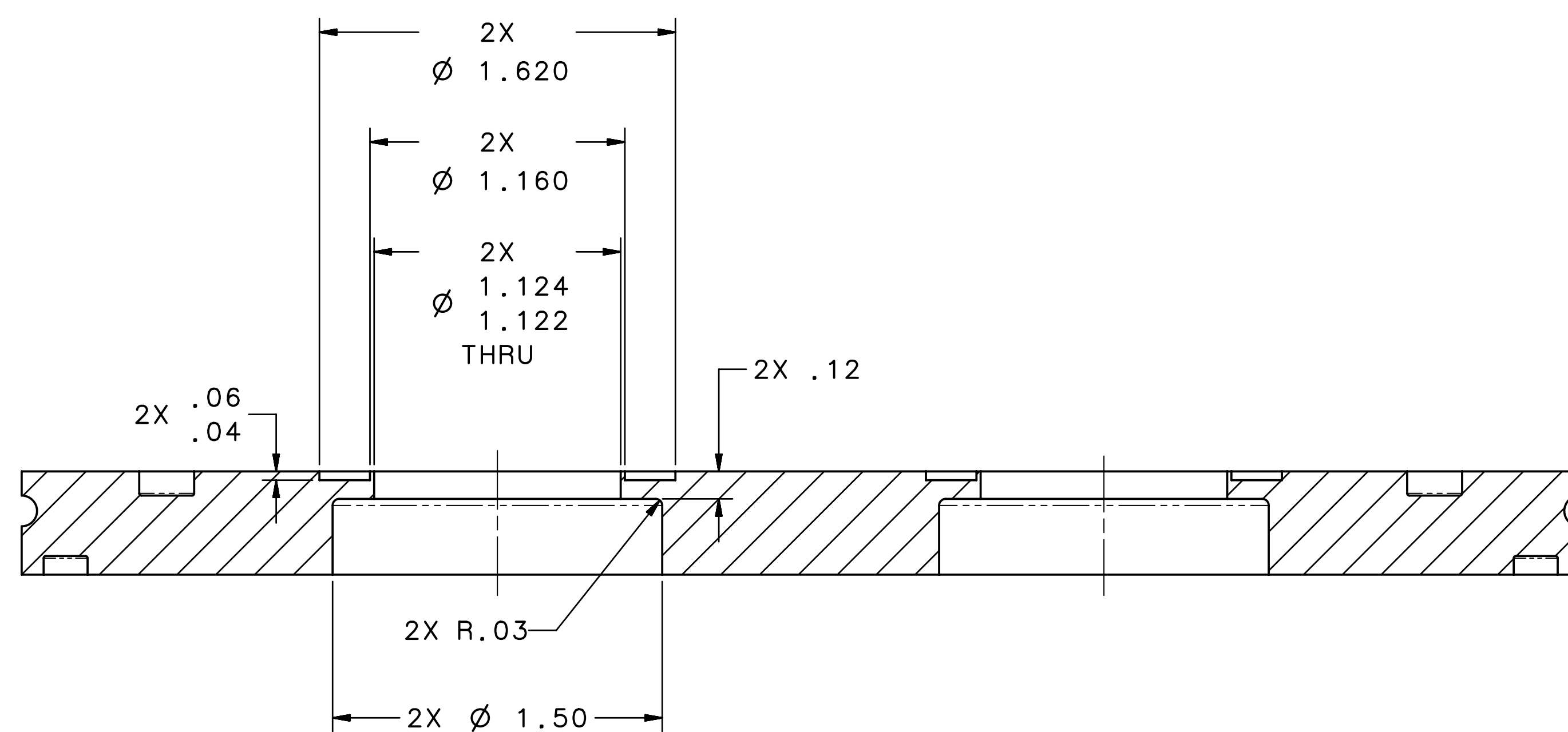
6. CERTIFIED MILL TEST REPORTS OF THE FLANGE MATERIAL SHALL BE OBTAINED FROM THE FLANGE MANUFACTURER AND PROVIDED TO JLAB PRIOR TO DELIVERY,

|             |             |                            |                                      |                                  |       |
|-------------|-------------|----------------------------|--------------------------------------|----------------------------------|-------|
| 6           | 8           | -                          | SHCS, #8-32 X .75 LG                 | 304 STAINLESS STEEL<br>Ag PLATED |       |
| 3           | 7           | MDC 190069                 | 8-32 NUT PLATE                       | 304 STAINLESS STEEL              |       |
| 1           | 6           | MDC 191000                 | 1 1/3 CONFLAT FLANGE GASKET          | OFE COPPER                       |       |
| 1           | 5           | MDC 110000                 | CF FLANGE 1-1/3 OD BLANK<br>FIXED    | 304 STAINLESS STEEL              |       |
| 1           | 4           | CERAMTEC<br>18069-01-W     | TYPE N COAXIAL CONNECTOR<br>WELDMENT | 304 STAINLESS STEEL<br>500 psig  |       |
| 2           | 3           | CERAMTEC<br>16003-02-W     | 19 PIN CIRCULAR CONNECTOR            | 304 STAINLESS STEEL<br>400 psig  |       |
| 1           | 2           | MDC 401000                 | 1.33 CF - HALF NIPPLE                | 304 STAINLESS STEEL              |       |
| 1           | 1           | (MOD) MDC 812002           | BLANK FLANGE NW 160                  | 304 STAINLESS STEEL              |       |
| QTY<br>REQD | ITEM<br>NO. | PART OR<br>IDENTIFYING NO. | DESCRIPTION                          | MATERIAL<br>SPECIFICATION        | NOTES |

| FOR JLAB INTERNAL USE ONLY                                                                                       |  |  | EACH SHEET OF MULTI-SHEET DRAWINGS SHALL ALWAYS HAVE THE SAME REVISION LEVEL. |  |  |
|------------------------------------------------------------------------------------------------------------------|--|--|-------------------------------------------------------------------------------|--|--|
| SEE ESH MANUAL CHAPTER 6151 FOR PRESSURE AND VACUUM SYSTEMS SAFETY SUPPLEMENT AND WELDING AND BRAZING SUPPLEMENT |  |  | SEE PARTS LIST                                                                |  |  |
| WELD CLASS                                                                                                       |  |  | THIRD ANGLE PROJECTION                                                        |  |  |
| CODE                                                                                                             |  |  | DO NOT SCALE DRAWING                                                          |  |  |
| PRESSURE/VACUUM CLASS<br>ASME BPVC<br>SEC VIII-1                                                                 |  |  | FINISH<br>MACHINED<br>SURFACES<br>DEBURR & BREAK ALL SHARP EDGES              |  |  |
| PRESSURE SYSTEMS NUMBER<br>PS-CRM-18-001                                                                         |  |  | UNLESS OTHERWISE NOTED                                                        |  |  |
|                                                                                                                  |  |  | SCALE                                                                         |  |  |
|                                                                                                                  |  |  | DATE                                                                          |  |  |
|                                                                                                                  |  |  | DRAWN                                                                         |  |  |
|                                                                                                                  |  |  | J. ARMSTRONG                                                                  |  |  |
|                                                                                                                  |  |  | DATE                                                                          |  |  |
|                                                                                                                  |  |  | 08APR19                                                                       |  |  |
|                                                                                                                  |  |  | SCALE                                                                         |  |  |
|                                                                                                                  |  |  | 1:1                                                                           |  |  |
|                                                                                                                  |  |  | REV.                                                                          |  |  |
|                                                                                                                  |  |  | 1                                                                             |  |  |
|                                                                                                                  |  |  | SHEET                                                                         |  |  |
|                                                                                                                  |  |  | 1 OF 2                                                                        |  |  |



SECTION E-E



SECTION F-F