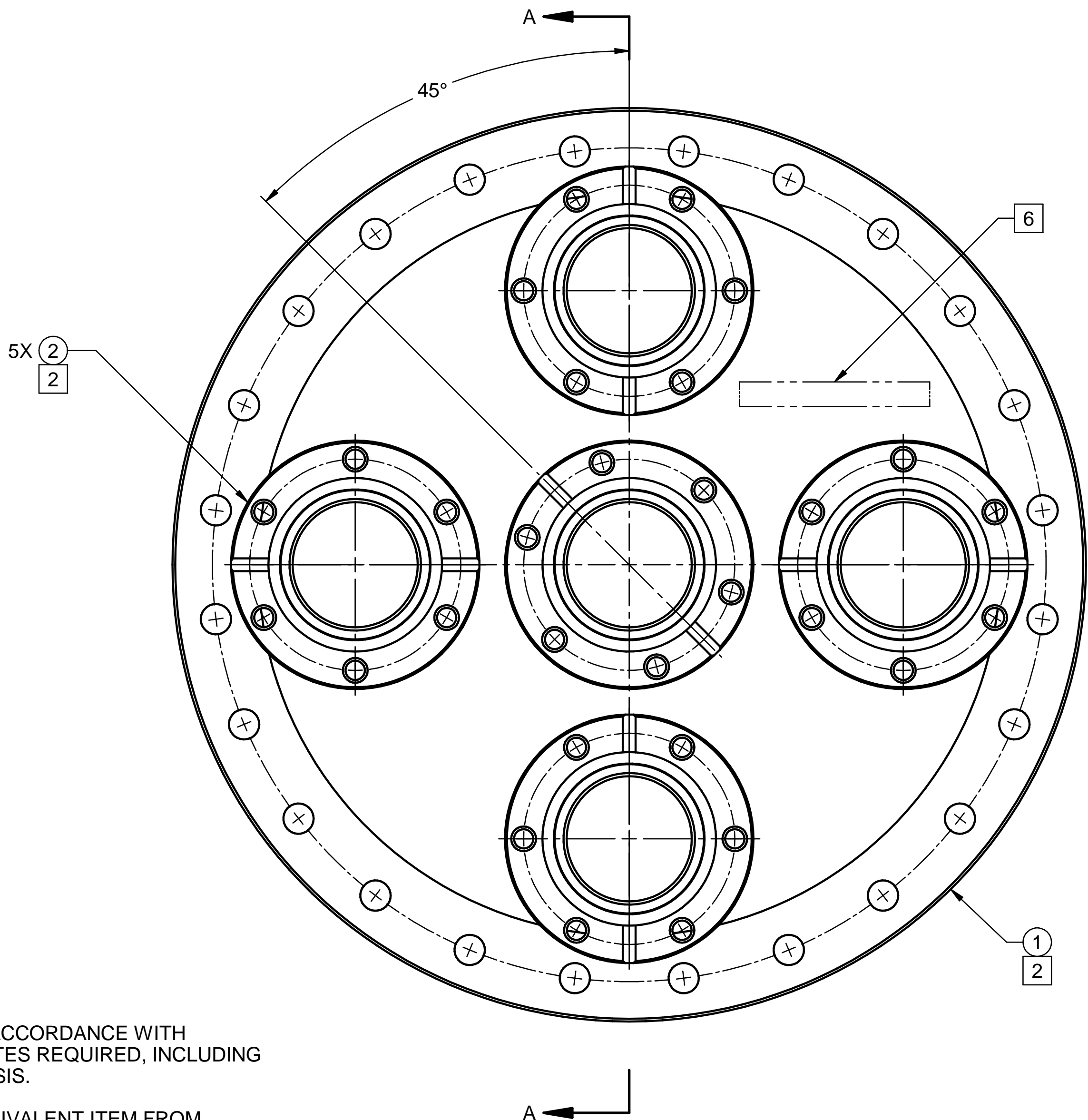


D

C



B

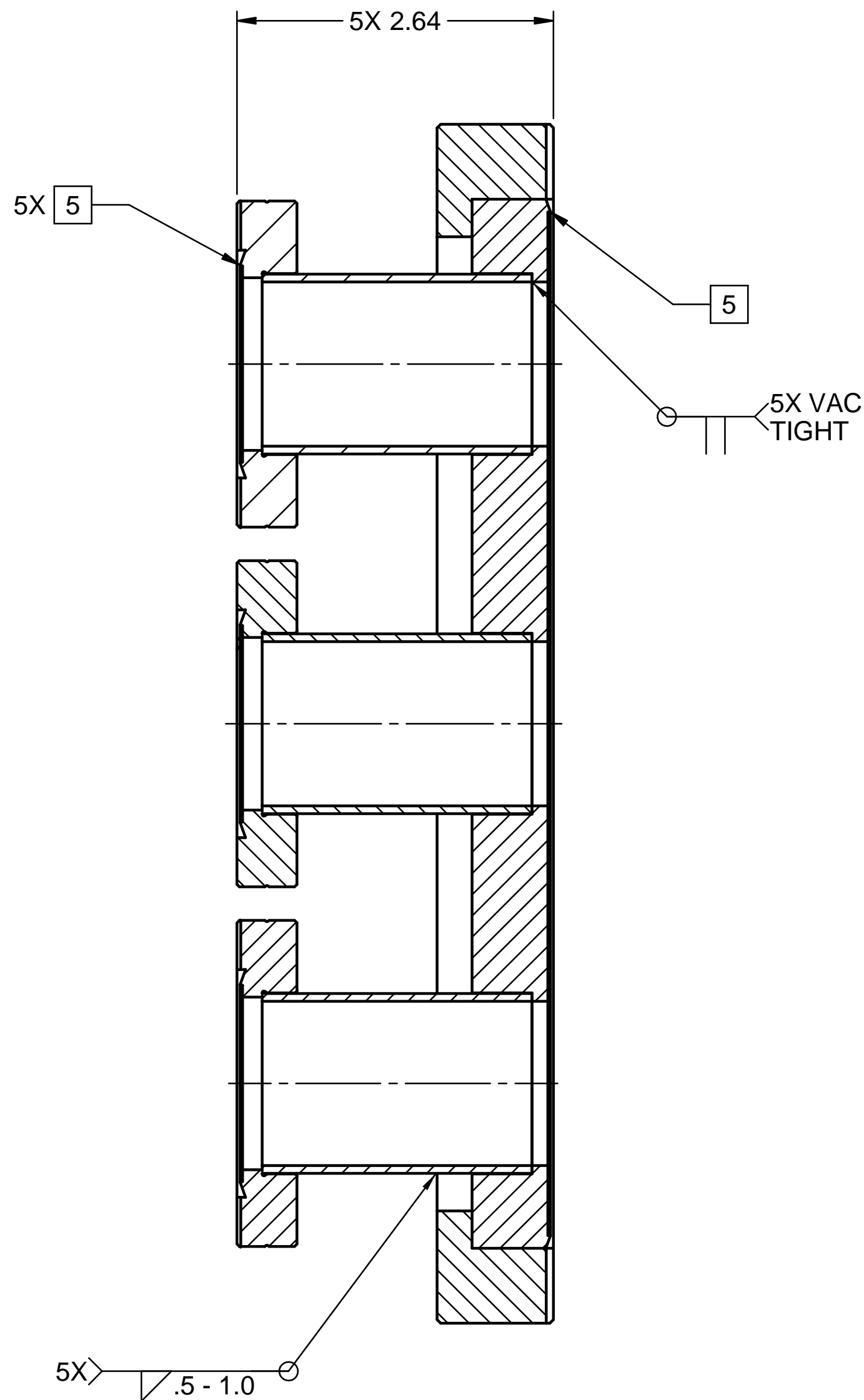
A



- NOTES: UNLESS OTHERWISE SPECIFIED
- MATERIAL: STAINLESS STEEL 304, IN ACCORDANCE WITH ASTM A240. MILL SOURCE CERTIFICATES REQUIRED, INCLUDING HEAT NUMBER AND CHEMICAL ANALYSIS.
  - ITEM MAY BE SUBSTITUTED WITH EQUIVALENT ITEM FROM DIFFERENT VENDOR.
  - MACHINING: THE USE OF POLISHING, SANDING DISKS, ABRASIVE PAPER, OR GRINDING WHEELS IS PROHIBITED.
  - LUBRICANTS: REFER TO SLAC SPEC SC-700-866-47 FOR A LIST OF APPROVED LUBRICANTS AND COOLANTS.
  - KNIFE EDGE MUST BE PROTECTED AT ALL TIMES DURING HANDLING AND MACHINING, AND SHALL BE FREE OF NICKS, SCRATCHES, AND BURRS.
  - INSCRIBE OR ENGRAVE PART NUMBER AND REVISION APPROX WHERE SHOWN, .010 DEEP MAX.
  - CHEMICAL CLEANING: CLEAN PER SLAC STANDARDS FOR UHV APPLICATIONS AFTER MACHINING.
  - UHV HANDLING: AFTER UHV CLEANING OR PLATING, HANDLE WITH CLEAN LATEX OR NITRILE GLOVES IN/ON A CLEAN ROOM/SURFACE. FOR STORAGE OR SHIPPING: PLACE IN CLEAN, SEALED, VAC GRADE PLASTIC BAGS THAT ARE BACK-FILLED WITH NITROGEN, WITH PART NUMBER AND REV VISIBLE. ALTERNATIVELY, PARTS MAY BE WRAPPED IN CLEAN LINT FREE TISSUE AND UHV FOIL, AND SEALED IN CLEAN PLASTIC BAGS WITH PART NUMBER AND REV VISIBLE.
  - ALL WELD DIMENSIONS ARE MINIMUM.

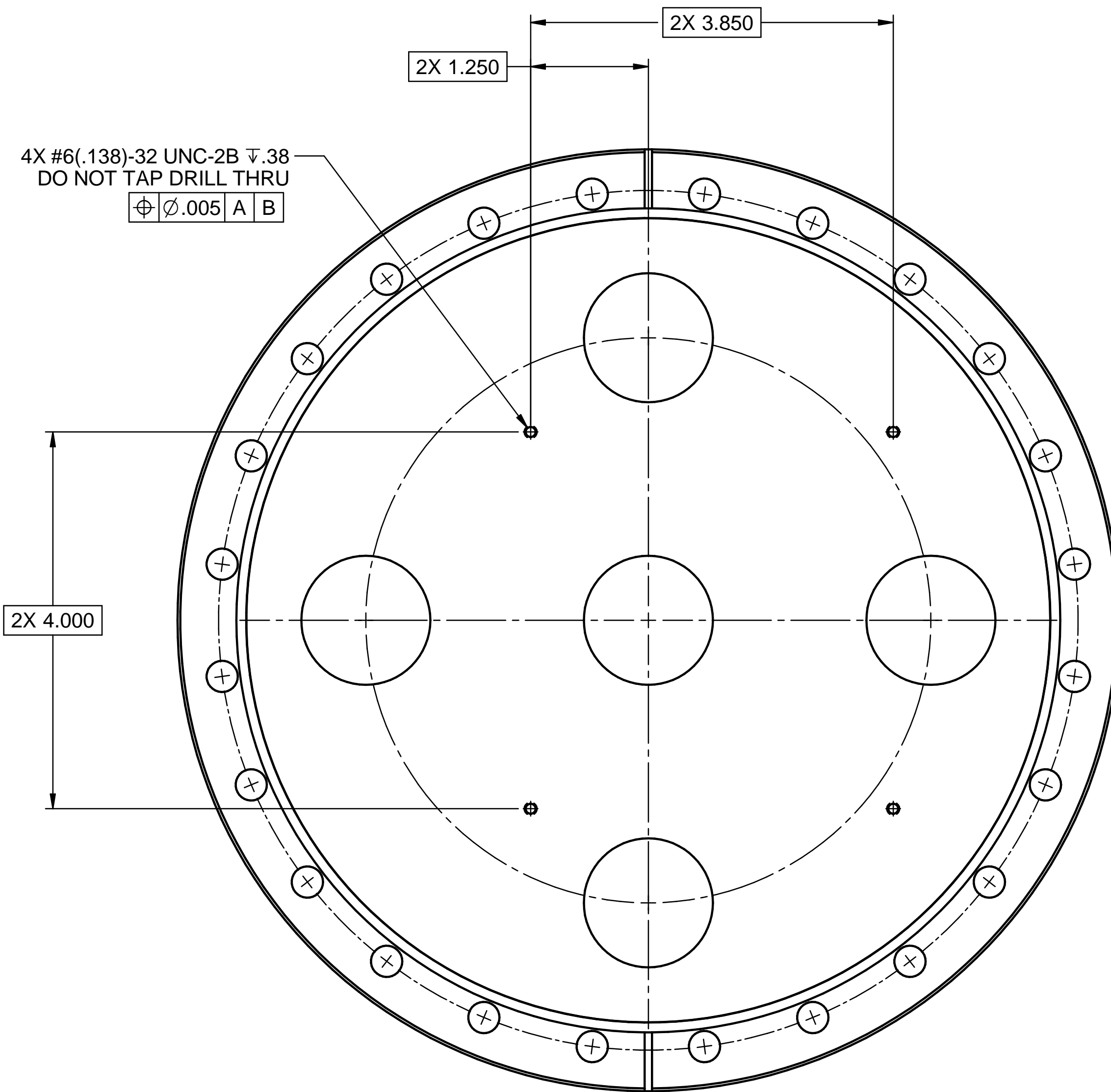
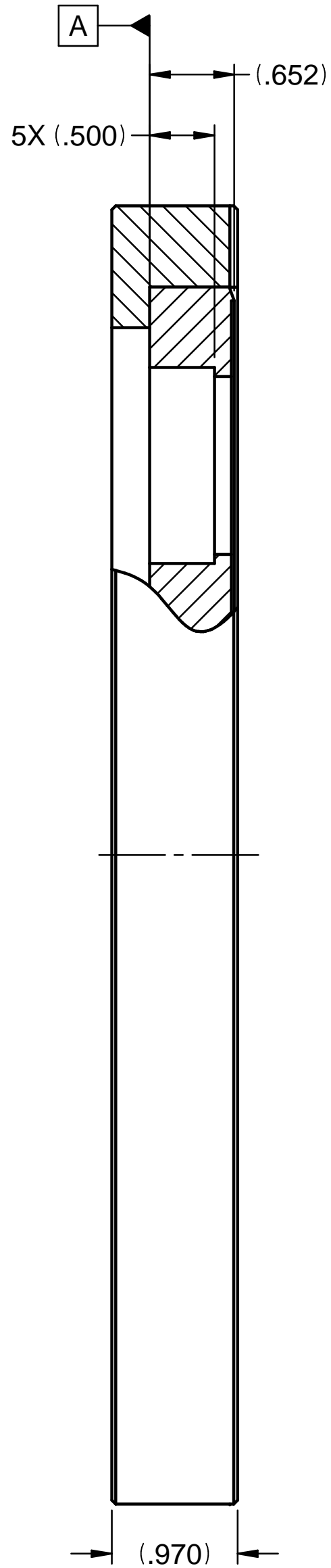
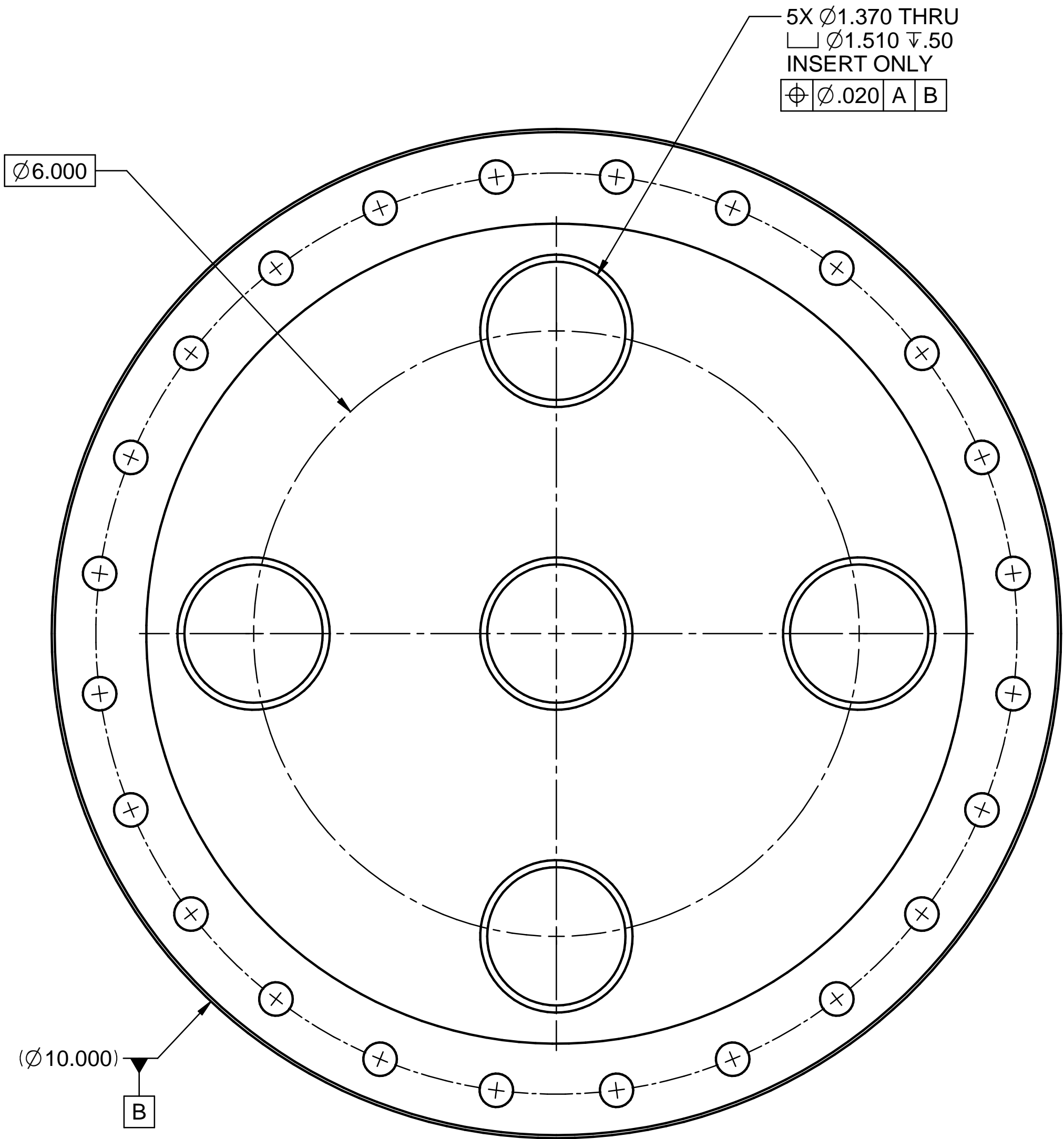
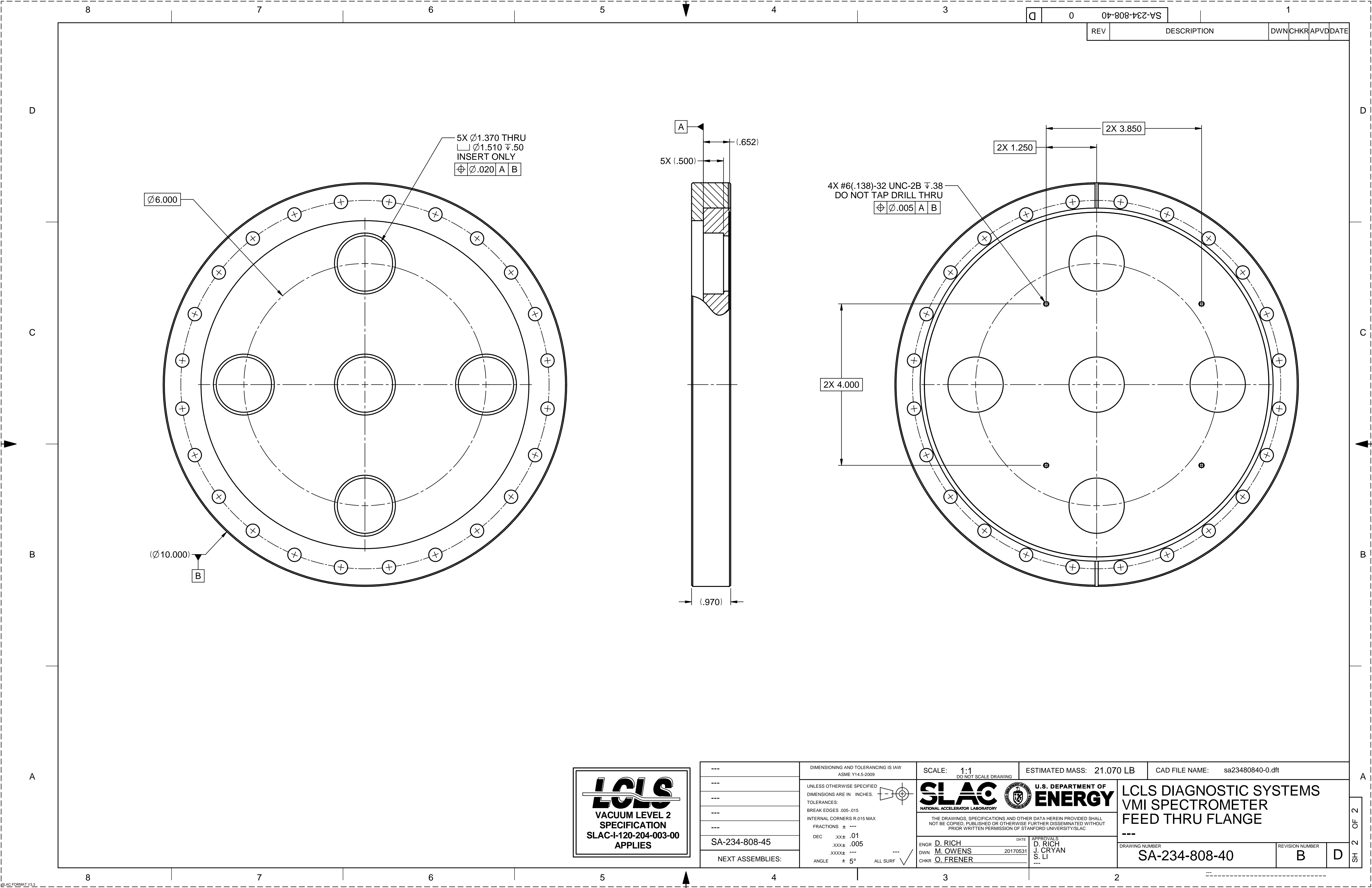




|               |   |   |   |   |                                 |
|---------------|---|---|---|---|---------------------------------|
| ---           | DIMENSIONING AND TOLERANCING IS IAW<br>ASME Y14.5-2009  | SCALE: 1:1<br>DO NOT SCALE DRAWING  | ESTIMATED MASS: 21.070 LB   |   | CAD FILE NAME: sa23480840-0.dft |
| ---           | UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES.<br>TOLERANCES:<br>BREAK EDGES .005-.015<br>INTERNAL CORNERS R.015 MAX<br>FRACTIONS ± ---<br>DEC .xx± .01<br>.xxx± .005<br>.xxxx± ---<br>ANGLE ± 5° ALL SURF ✓ | <br>NATIONAL ACCELERATOR LABORATORY  |  | LCLS DIAGNOSTIC SYSTEMS<br>VMI SPECTROMETER<br>FEED THRU FLANGE   |                                 |
| SA-234-808-45 | NEXT ASSEMBLIES:  | THE DRAWINGS, SPECIFICATIONS AND OTHER DATA HEREIN PROVIDED SHALL NOT BE COPIED, PUBLISHED OR OTHERWISE FURTHER DISSEMINATED WITHOUT PRIOR WRITTEN PERMISSION OF STANFORD UNIVERSITY/SLAC |   | APPROVALS<br>ENGR <u>D. RICH</u> DATE 20170531<br>DWN <u>M. OWENS</u><br>CHKR <u>O. FRENER</u><br>J. CRYAN<br>S. LI |                                 |
|               |   | DRAWING NUMBER<br>SA-234-808-40   |   | REVISION NUMBER<br>B  | D                               |



SECTION A-A

|   |                           |                            |   |     |
|---|---------------------------|----------------------------|---|-----|
| 2 | 2                         | KURT J. LESKER<br>HN-0275T | HALF NIPPLE, 2.75 CF THREADED NR                      | 5   |
| 2 | 1                         | SC-250-019-27              | FLANGE, CF, 10.00 OD, BLANK,<br>ROTATABLE, CLRN HOLES | 1   |
|   | ITEM                      | STOCK OR PART NO           | TITLE OR DESCRIPTION                                  | QTY |
|   | ESTIMATED MASS: 21.070 LB |                            | CAD FILE NAME: sa23480840-0.dft                       |     |



|                  |   |   |  |                                 |
|------------------|---|---|--|---------------------------------|
| ---              | DIMENSIONING AND TOLERANCING IS IAW<br>ASME Y14.5-2009                                | SCALE: 1:1<br>DO NOT SCALE DRAWING  | ESTIMATED MASS: 21.070 LB  | CAD FILE NAME: sa23480840-0.dft |
| ---              | UNLESS OTHERWISE SPECIFIED<br>DIMENSIONS ARE IN INCHES.                               |                       | LCLS DIAGNOSTIC SYSTEMS<br>VMI SPECTROMETER<br>FEED THRU FLANGE<br>--- |                                 |
| ---              | TOLERANCES:<br>BREAK EDGES .005-.015<br>INTERNAL CORNERS R.015 MAX<br>FRACTIONS ± --- |   |  |                                 |
| ---              | DEC .XX± .01<br>.XXX± .005<br>.XXXX± ---<br>ANGLE ± 5° ALL SURF ✓                     | THE DRAWINGS, SPECIFICATIONS AND OTHER DATA HEREIN PROVIDED SHALL<br>NOT BE COPIED, PUBLISHED OR OTHERWISE FURTHER DISSEMINATED WITHOUT<br>PRIOR WRITTEN PERMISSION OF STANFORD UNIVERSITY/SLAC | DRAWING NUMBER<br>SA-234-808-40  |                                 |
| SA-234-808-45    | ENGR D. RICH<br>DWN M. OWENS<br>CHKR O. FRENER  | DATE<br>20170531  | APPROVALS<br>D. RICH<br>J. CRYAN<br>S. LI<br>---                       | REVISION NUMBER<br>B            |
| NEXT ASSEMBLIES: |   |   |  | D                               |