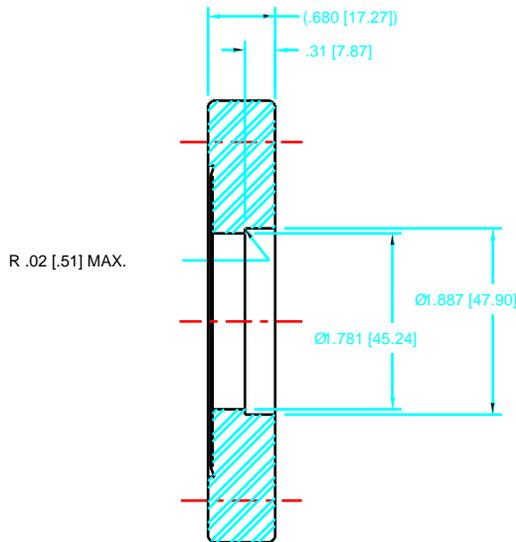


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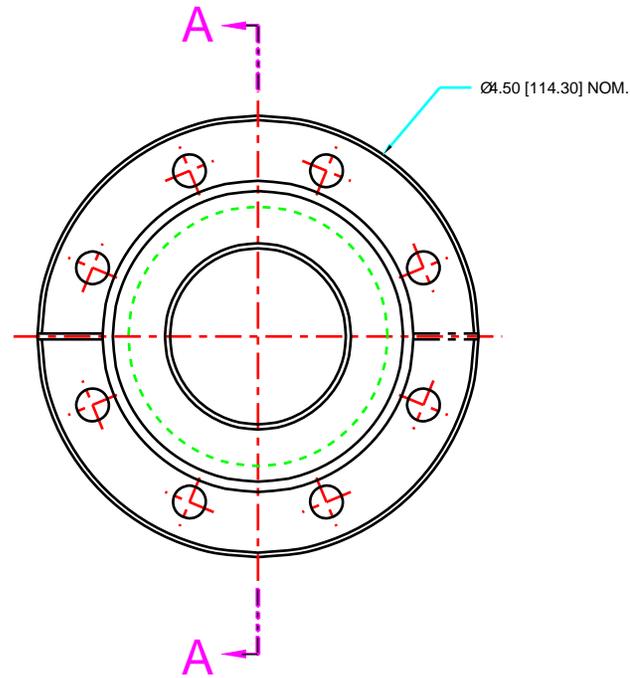
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SECTION A-A



SUGGESTED SOURCE

MDC VACUUM PRODUCTS CORP.
 23842 CABOT BLVD.
 HAYWARD, CA 94545-1651
 PHONE: (800)-443-8817
 FAX: (910)-383-2023

NOTES:

1. MODIFIED FROM MDC FLANGE #110019 OR EQUAL.
2. WHEN MACHINING VACUUM PARTS, USE OF SILICONE, SULPHUR-BASED CUTTING FLUIDS AND ABRASIVES IS PROHIBITED. USE TRIM SOL OR APPROVED EQUAL LUBRICANT.
3. FOR COMPLETE SPECIFICATIONS ON MACHINING, CLEANING, VACUUM REQUIREMENTS, TESTING AND DELIVERY PREPARATION, SEE ANL DOCUMENT #410201-00095.
4. DIMENSIONS IN BRACKETS [] ARE MILLIMETERS AND ARE FOR REFERENCE ONLY.

| SYM | CHANGE DESCRIPTION | BY | CHKD | DATE |
|-----------|--------------------|----|------|------|
| | | | | |
| REVISIONS | | | | |

| ITEM | DWG/PART NUMBER | NOMENCLATURE OR DESCRIPTION | MATERIAL / SPEC | QTY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|-----------------|---------------------------------|-----------------------|---|------|-------|----------------|-------|------|-----|---|------------|------|-----------|--------------|----------|-------|--|--|----------|------|--------------|--|--|----------------|-------|--|--|--|----------------------|------|-------------------|--|--|----------|-------|--|--|--|--|--|--|----------|-------|------|----------------|---------|-----|---|-----------------------|--|-------|--------|--|
| | | PARTS LIST | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| UNLESS OTHERWISE SPECIFIED: ALL DIMENSIONS ARE IN INCHES | | THIS DRAWING IS THE PROPERTY OF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <tr> <th colspan="2">TOLERANCES</th> <th colspan="2">ANGULAR</th> </tr> <tr> <td>.X</td> <td>-.015 [.381]</td> <td></td> <td>-.25</td> </tr> <tr> <td>.XX</td> <td>-.010 [.254]</td> <td></td> <td></td> </tr> <tr> <td>.XXX</td> <td>-.005 [.127]</td> <td></td> <td></td> </tr> </table> | | TOLERANCES | | ANGULAR | | .X | -.015 [.381] | | -.25 | .XX | -.010 [.254] | | | .XXX | -.005 [.127] | | |  ARGONNE NATIONAL LABORATORY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOLERANCES | | ANGULAR | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| .X | -.015 [.381] | | -.25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| .XX | -.010 [.254] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| .XXX | -.005 [.127] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <tr> <td>DRAWN BY</td> <td>DATE</td> <td>CHIEF DESIGN ENGINEER</td> <td>DATE</td> <td>TITLE</td> </tr> <tr> <td>P. ENGELBRECHT</td> <td>11/94</td> <td></td> <td></td> <td rowspan="3" style="text-align: center;"> ADVANCED PHOTON SOURCE L7 SOFT X-RAY VERTICAL EXIT SLIT 4 1/2" NON-ROTATABLE FLANGE MODIFIED </td> </tr> <tr> <td>CHECKED BY</td> <td>DATE</td> <td>GP LEADER</td> <td></td> </tr> <tr> <td>C. BRITE</td> <td>11/94</td> <td></td> <td></td> </tr> <tr> <td>DESIGNER</td> <td>DATE</td> <td>PROJECT MGR.</td> <td></td> <td></td> </tr> <tr> <td>P. ENGELBRECHT</td> <td>11/94</td> <td></td> <td></td> <td></td> </tr> <tr> <td>RESPONSIBLE ENGINEER</td> <td>DATE</td> <td>APPROVED/RELEASED</td> <td></td> <td></td> </tr> <tr> <td>C. BRITE</td> <td>11/94</td> <td></td> <td></td> <td></td> </tr> </table> | | DRAWN BY | DATE | CHIEF DESIGN ENGINEER | DATE | TITLE | P. ENGELBRECHT | 11/94 | | | ADVANCED PHOTON SOURCE L7 SOFT X-RAY VERTICAL EXIT SLIT 4 1/2" NON-ROTATABLE FLANGE MODIFIED | CHECKED BY | DATE | GP LEADER | | C. BRITE | 11/94 | | | DESIGNER | DATE | PROJECT MGR. | | | P. ENGELBRECHT | 11/94 | | | | RESPONSIBLE ENGINEER | DATE | APPROVED/RELEASED | | | C. BRITE | 11/94 | | | | <table border="1"> <tr> <td>MATERIAL</td> <td>SCALE</td> <td>SIZE</td> <td>DRAWING NUMBER</td> </tr> <tr> <td>304 SST</td> <td>1:1</td> <td>C</td> <td>P4105091507-230002-00</td> </tr> <tr> <td></td> <td>SHEET</td> <td>1 of 1</td> <td></td> </tr> </table> | | | MATERIAL | SCALE | SIZE | DRAWING NUMBER | 304 SST | 1:1 | C | P4105091507-230002-00 | | SHEET | 1 of 1 | |
| DRAWN BY | DATE | CHIEF DESIGN ENGINEER | DATE | TITLE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| CHECKED BY | DATE | GP LEADER | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C. BRITE | 11/94 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| RESPONSIBLE ENGINEER | DATE | APPROVED/RELEASED | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| C. BRITE | 11/94 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | SHEET | 1 of 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| DO NOT SCALE DRAWING | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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