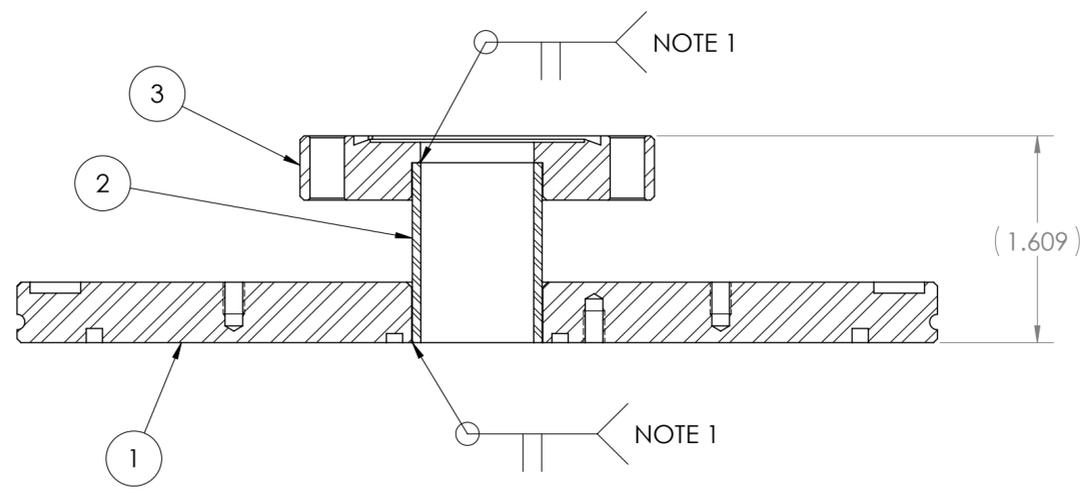
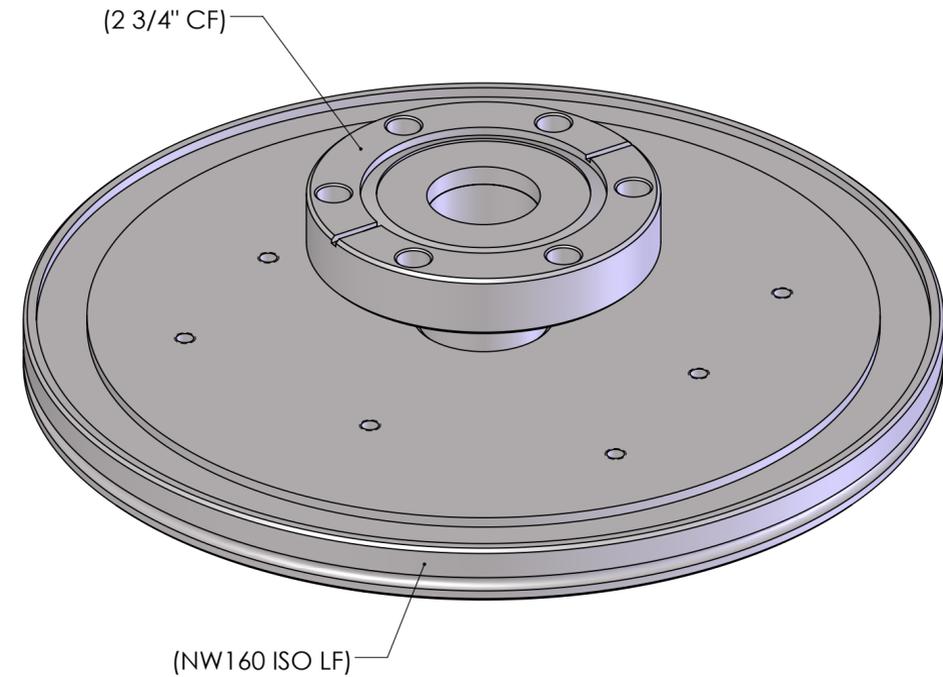
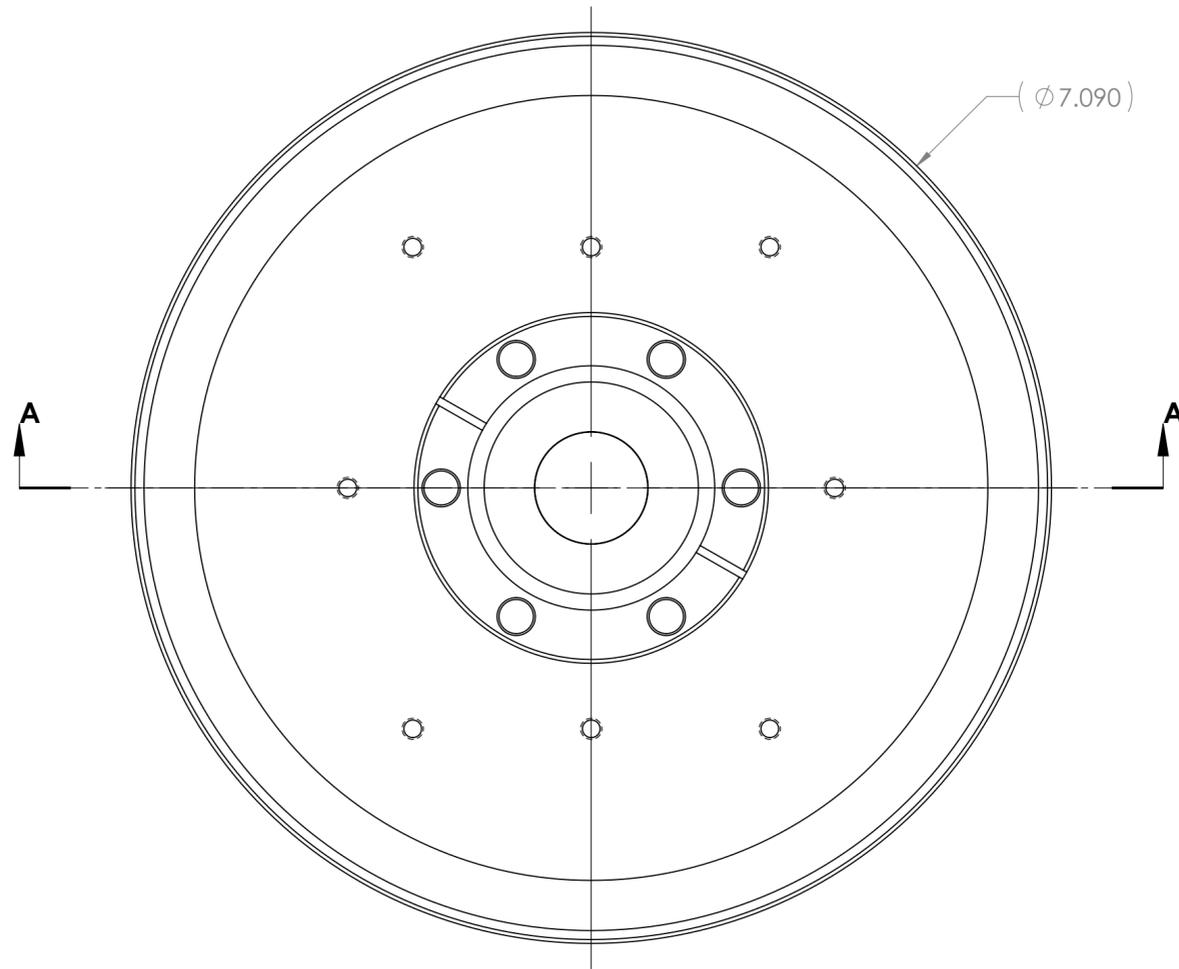


| REVISIONS |             |            |             |     |
|-----------|-------------|------------|-------------|-----|
| REV.      | DESCRIPTION | MD WO #    | DATE        | BY  |
| 1         | Released    | W04047-002 | 11-MAY-2016 | PMG |



**SECTION A-A**

**NOTE(S):**

1. WELD TO BE VACUUM LEAK TIGHT. LEAK RATE TO BE LESS THAN  $10^{-8}$  STD CC/SEC HELIUM.

| ITEM NO. | PART NUMBER            | DESCRIPTION   | MATERIAL | QTY. |
|----------|------------------------|---|----------|------|
| 1        | N3010217-MDE-0003-0010 | Modified ISO LF Flange  | AISI 304 | 1    |
| 2        | N3010217-MDE-0003-0011 | Tube  | AISI 304 | 1    |
| 3        | MDC-110012             | CF Flange - 2 3/4" CF x 1" nominal I.D., nonrotatable, clearance bolt holes | AISI 304 | 1    |

|  |  |  |   |
|--|--|--|---|
| <p>UNLESS OTHERWISE SPECIFIED:<br/>DIMENSIONS ARE IN INCHES<br/>BREAK ALL SHARP EDGES .02 MAX.<br/>REMOVE ALL BURRS<br/>30 Deg. CHAMFER ENDS ALL THREADS<br/>MACHINE SURFACE FINISH <math>\sqrt{32}</math></p> <p>DO NOT SCALE DRAWING</p> <p><b>Dimension Tolerances</b></p> <p>1 Place Dec. <math>\pm .030</math><br/>2 Place Dec. <math>\pm .010</math><br/>3 Place Dec. <math>\pm .005</math><br/>"Stock" <math>\pm .040</math><br/>Angles <math>\pm .5^\circ</math></p> <p><b>N3010217-MDE-0003-0002</b></p> <p>NEXT ASSEMBLY</p> | <p>SCALE: 1:1</p> <p>DATE: MAY 2016</p> <p>SIZE: C</p> <p>MATERIAL: WELDMENT</p> | <p><b>National Superconducting Cyclotron Laboratory</b><br/>MICHIGAN STATE UNIVERSITY - East Lansing, Michigan</p> | <p>Project / System Reference</p> <p><b>Beam Degrador</b></p> |
|  |  |  | <p>DESCRIPTION</p> <p><b>Adapter Nipple</b></p>               |
|  |  |  | <p>PART #</p> <p><b>N3010217-MDE-0003-0003</b></p>            |
|  |  |  | <p>REV</p> <p><b>1</b></p>                                    |