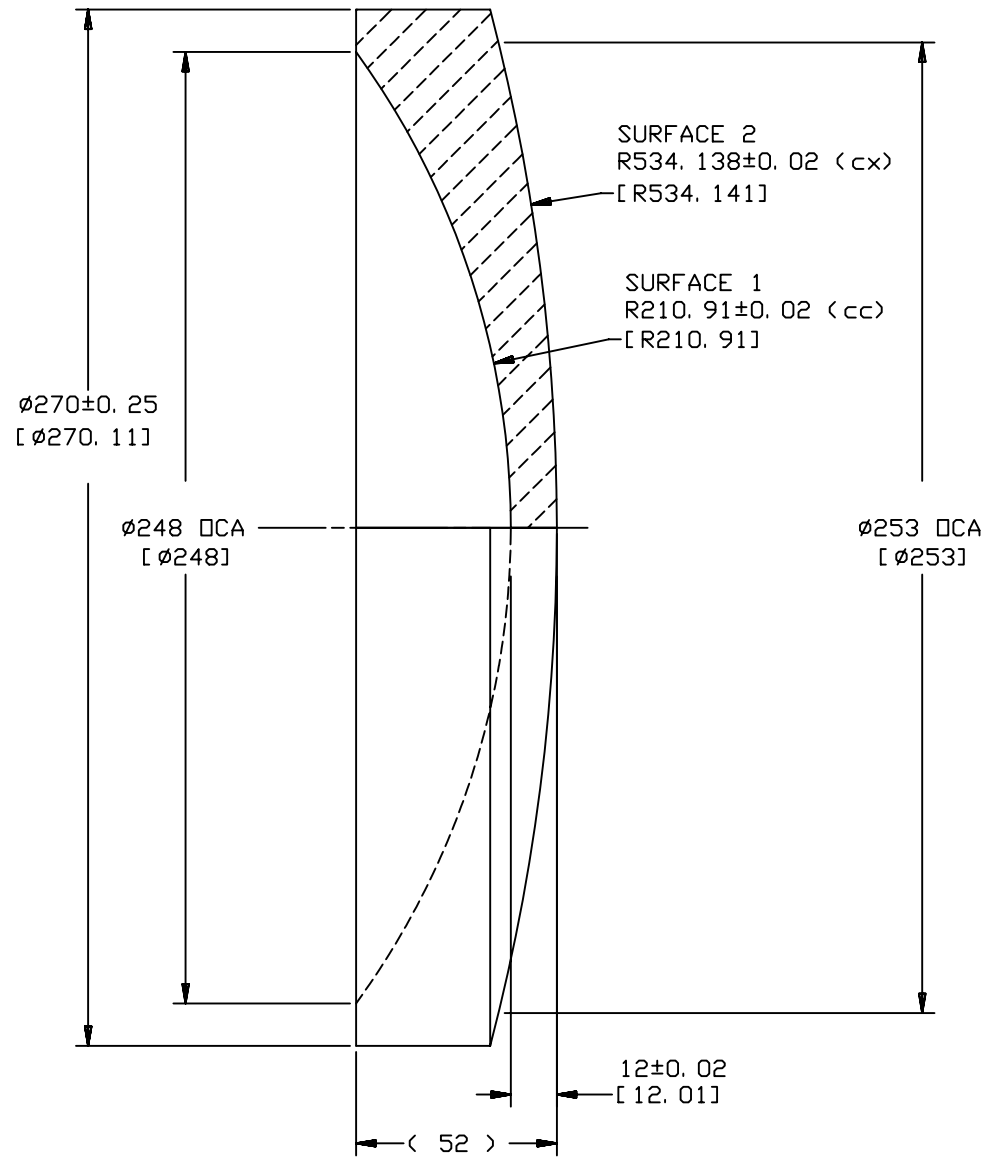
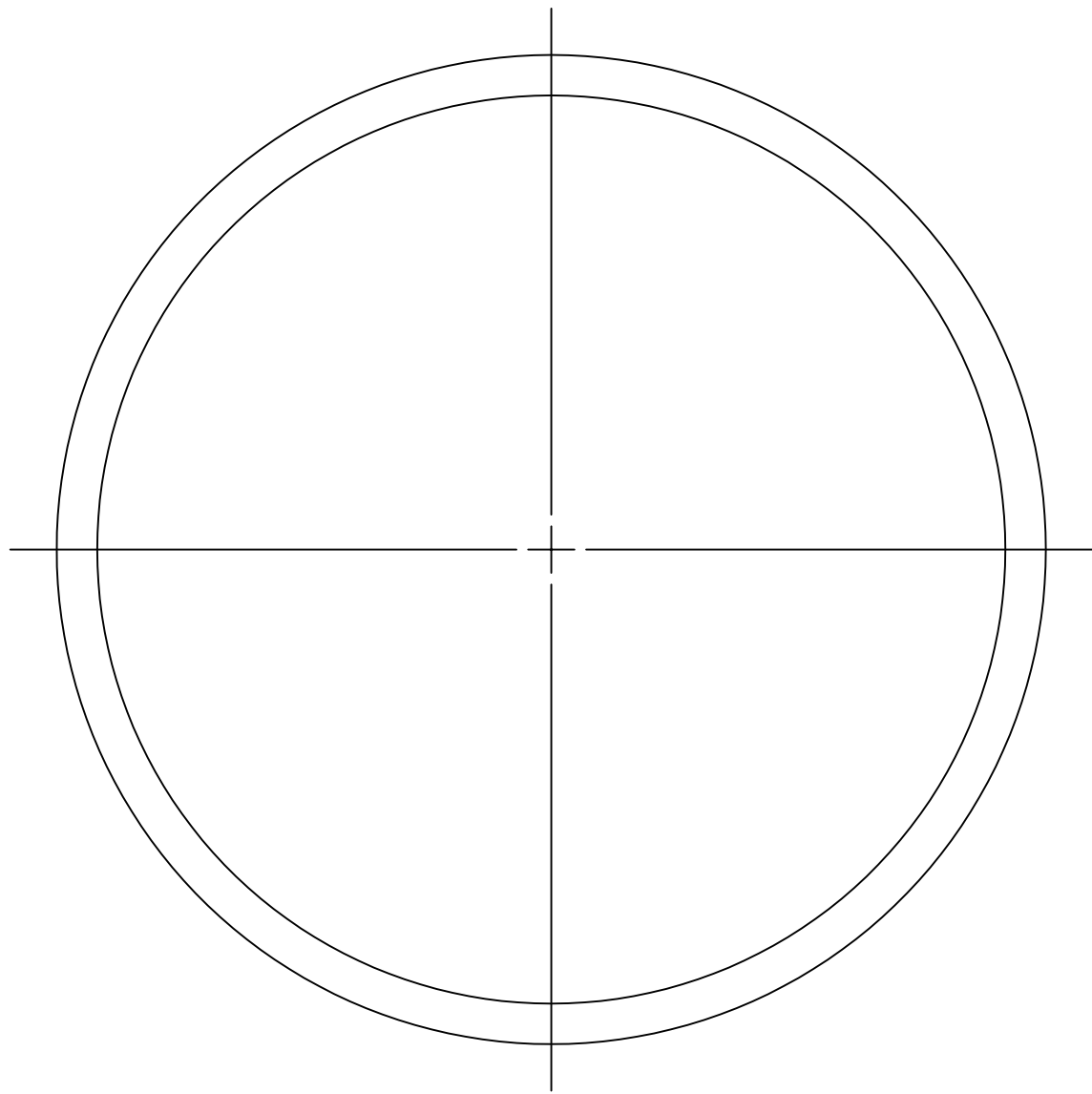


| REVISIONS |                 |         |            |          |
|-----------|-----------------|---------|------------|----------|
| LTR       | DESCRIPTION     | DATE    | REVISED BY | APPROVED |
| A         | INITIAL RELEASE | 4/16/03 | R. NAGY    | M. REED  |



- NOTES:
- ALL DIMENSIONS ARE IN MILLIMETERS AND FRINGES AT HENE WAVELENGTH UNLESS OTHERWISE NOTED.
  - DIMENSIONS & OTHER INFORMATION NOT IN BRACKETS [ ] ARE SPECIFICATIONS; THOSE IN BRACKETS [ ] ARE AS-BUILT MEASUREMENTS BY OPTICAL SOLUTIONS INC. DATED 11/27/02.
  - COMBINED AXIAL RUN OUT FROM SURFACES 1 & 2 (WEDGE) TO BE 0.025 [0.015]mm.
  - SURFACE SPECIFICATIONS:

SURFACES 1 & 2:

POWER (wv) . . . . . 1.000 [-]

SURFACE QUALITY/SD . . . . 40/20 [<40/20]

SURFACE 1:

SAG . . . . . 40.302 [40.366]

IRREGULARITY (wv) . . . . 0.250 [.088 CENTER/.238 EDGE]

SURFACE 2:

SAG . . . . . 17.342 [17.356]

IRREGULARITY (wv) . . . . 0.250 [.088 CENTER/.216 EDGE]

|   |                      |                                  |                          |  |                                 |   |                           |
|---|----------------------|----------------------------------|--------------------------|--|---------------------------------|---|---------------------------|
| DO NOT SCALE DRAWING  |                      | THIS DRAWING CREATED IN:         |                          | Steward Observatory, University of Arizona<br>933 N. Cherry Avenue, Tucson, AZ 85721 (520)621-7659 |                                 |   |                           |
| INTERPRET DIMENSIONS AND TOLERANCES IN ACCORDANCE WITH ASME Y14.5M-94 |                      | ACAD                             | MECH                     | IDEAS  | DESIGNED BY:<br>M. REED/D. DEAN | DATE:<br>3/13/03  | CATEGORY:<br>MMT          |
| TOLERANCES UNLESS OTHERWISE SPECIFIED                                 |                      | <input type="checkbox"/>         | <input type="checkbox"/> | <input checked="" type="checkbox"/>  | DRAWN BY:<br>R. NAGY            | 4/3/03  | PROJECT:<br>MAESTRO       |
| LINEAR  |                      |                                  |                          |  | CHECKED BY:<br>M. REED          | 4/16/03   | TITLE:<br>LENS-ELEMENT 6  |
| ANGULAR   |                      |                                  |                          |  | APPROVED:<br>M. REED            | 4/16/03   |                           |
| .X = ±  |                      |                                  |                          |  | APPROVED:                       |   |                           |
| .XX = ±   |                      |                                  |                          |  |                                 |   |                           |
| .XXX = ±  |                      |                                  |                          |  |                                 |   |                           |
| DIAMETRICAL<br>SEE SPEC S-002   |                      |                                  |                          |  |                                 |   |                           |
| DIMENSIONS ARE IN INCHES / DIMENSIONS IN [ ] ARE METRIC               |                      |                                  |                          |  |                                 |   |                           |
| MATERIAL<br>BSM51Y  |                      |                                  | MMT                      |  | APPROVED:                       |   | PLOT SIZE SCALE:<br>D 1:1 |
|   |                      |                                  | USED ON                  |  | APPROVED:                       |   | DRAWING NUMBER:<br>12875  |
| FINISH<br>NO COATING  |                      |                                  |                          |  |                                 |   | REVISION:<br>A            |
|   | ASSEMBLY APPLICATION | CURRENT TIME/DATE/FILE LOCATION: |                          |  |                                 | DRAWING ARCHIVE LOCATION: <a href="http://dev1nc1.as.arizona.edu/acad/default.html">http://dev1nc1.as.arizona.edu/acad/default.html</a> |                           |
|   |                      |                                  |                          |  |                                 |   | SHEET 1 OF 1              |