NOTES: UNLESS OTHERWISE NOTED
1. MACHINED SURFACE ROUGHNESS 84
2. RING GROOVES AND SURFACES 32
3. REMOVE ALL BURRS/SHARP CORNERS.

SECTION A-A SCALE 4:1

FRONT SCALE 2:1

INSTITUTE FOR ASTRONOMY
2680 WOODLAWN DR., HONOLULU, HI 96822

INSTRUMENT: SPEX - CROSS DISPERSED SPECTROGRAPH
PART NAME: LENS SPACER 2
TELESCOPE: IRTF

NOTE: LENS SPACER 2 TOLERANCES

<table>
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<th>TOLERANCE</th>
<th>X.X</th>
<th>X.XX</th>
<th>X.XXX</th>
<th>ANGLE</th>
<th>FRACTION</th>
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<td>+/-</td>
<td>.015</td>
<td>.005</td>
<td>.002</td>
<td>+/- 30 m</td>
<td>+/- 1/32</td>
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DRAW NO: SQ3-015A
SCALE: NOTED
SIZE: A
LOT NO: 725
SHEET: 1 OF 1

REV: 04/17/99
REVISION: 01M, .137 WAS .1242
REVISION: ADD 1/32 DIA VENTHOLE
REVISION: N/A
DATE: N/A
DESIGN: J. RAYNER
DRAWN: N/A
APPROVED: N/A

PLOT: 10/19/99