NOTES: UNLESS OTHERWISE NOTED
1. MACHINED SURFACE ROUGHNESSRa
2. RING GROOVES AND SURFACES .02
3. REMOVE ALL BURRS/SHARP CORNERS

BILL OF MATERIAL

<table>
<thead>
<tr>
<th>NO.</th>
<th>REQ'D</th>
<th>REF</th>
<th>DRW</th>
<th>DESCRIPTION</th>
<th>MATERIAL</th>
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<tbody>
<tr>
<td>1</td>
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<td>SGS-016A</td>
<td>FP SNOUT</td>
<td>ALU 6061-T6</td>
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</tr>
</tbody>
</table>

SECTION A-A: SCALE 1:1

FRONT: SCALE 1:1

REVISION: N/A
DATE: 05/18/98
DESIGN: STAHLMER
DRAWN: STAHLMER
APPROD: J. RAYNER

TOLERANCES

| X   | +/- 0.015 |
| X, X | +/- 0.005 |
| X, XX | +/- 0.002 |
| ANGLE | +/- 30 min |
| FRACTION | +/- 1/32 |

INSTITUTE FOR ASTRONOMY
2680 WOODLAWN DR, HONOLULU, HI 96822
INSTRUMENT: SPEX - CROSS DISPERSED SPECTROGRAPH
PART NAME: FP SNOUT
TELESCOPE: IRTF

DRAW NO: SGS-016A
SCALE: NOTED
SIZE: A
JOB NO: 725
SHEET: 1 OF 2

PLOT: 10/19/99