MAKE FROM PURCHASED PART
WORM W16S-4S (BERC)

BILL OF MATERIAL

<table>
<thead>
<tr>
<th>NO.</th>
<th>REQ'D</th>
<th>REF DRW</th>
<th>DESCRIPTION</th>
<th>MATERIAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td>1</td>
<td>SP2-012A</td>
<td>WORM WCD(W16S-4S)</td>
<td>STAINLESS</td>
</tr>
</tbody>
</table>

NOTES: UNLESS OTHERWISE NOTED
1. MACHINED SURFACE ROUGHNESS #4
2. RING GROOVES AND SURFACES #2
3. REMOVE ALL BURRS/SHARP CORNERS

SECTION A-A

1.25 REF
.25 REF
.50 REF

CUT SLOT AFTER
ASSEMBLY
TO SP2-011A

PLOT: 10/19/99

INSTITUTE FOR ASTRONOMY
2680 WOODLAWN DR. HONOLULU, HI 96822

INSTRUMENT: SPEX - CROSS DISPERSED SPECTROGRAPH
PART NAME: WORM WCD(W16S-4S)
TELESCOPE: IRIS

REV: N/A
DATE: 05/01/97
DESIGN: STAHLBERGER
DRAWN: STAHLBERGER
APPROVED: J. RAYNER

TOLERANCES

| X.X | +/- .015 |
| X.XX| +/- .005 |
| X.XX| +/- .002 |
| ANGLE| +/- 30 min |
| FRACTION| +/- 1/32 |

DRW NO: SP2-012A
SIZE: A
LOT NO: 725
SHEET: 1 OF 1