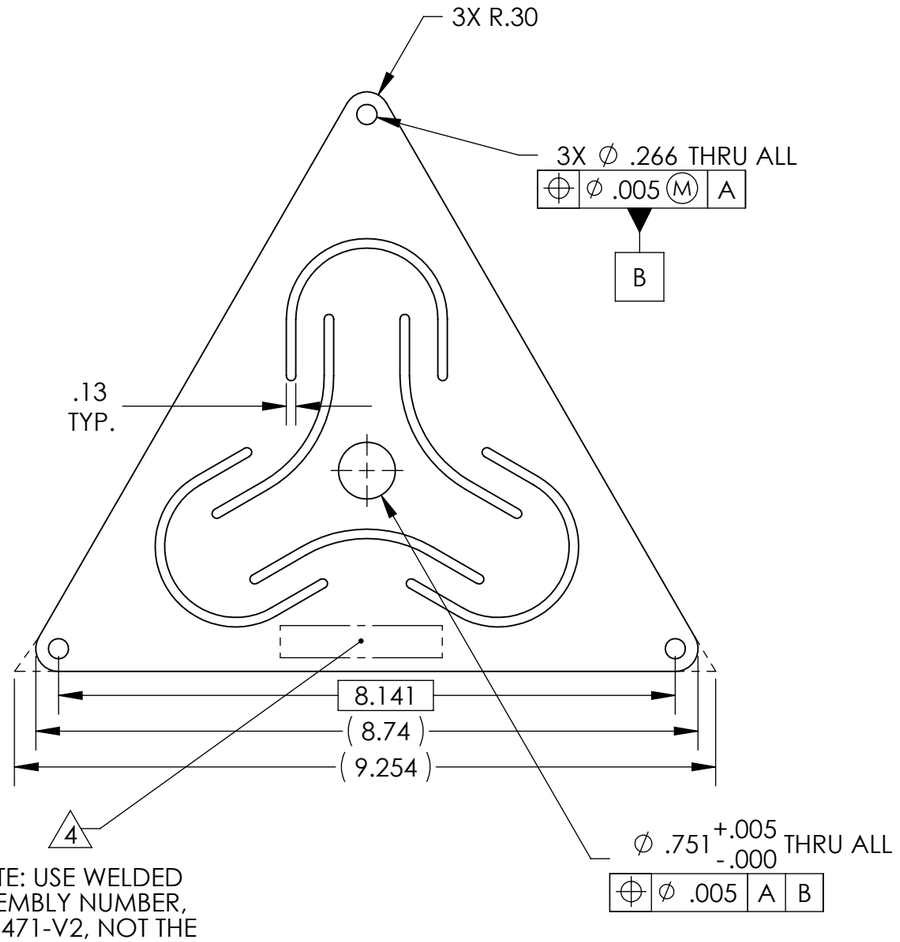
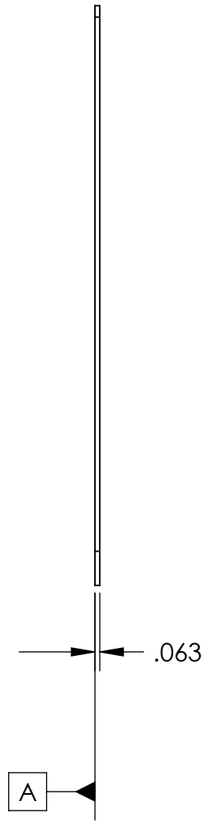
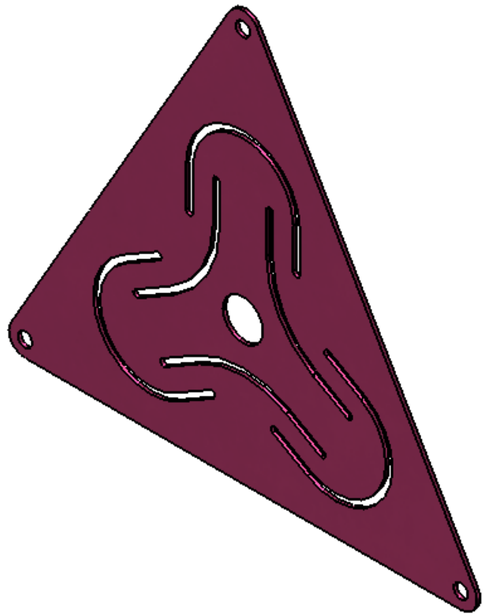
REVISION HISTORY				
REV	DATE	ECO	APPROVAL	DESCRIPTION
V1 / C	3 Jul 2007	1067	D. Bryce	Release for Enhanced LIGO.
V2	14 Apr 2009		A. Stein	Release for Advanced LIGO. Added Electropolish finish.



NOTE: USE WELDED ASSEMBLY NUMBER, D071471-V2, NOT THE CURRENT PART NUMBER!





MANUFACTURING NOTES:

1) UNLESS MANUFACTURED FROM SHEET WITH FINISH OF 2B OR EQUIVALENT, MACHINE ALL SURFACES TO REMOVE OXIDES AND MILL FINISH. ABRASIVE REMOVAL TECHNIQUES (OTHER THAN DRESSED BLANCHARD GRINDING) ARE NOT ACCEPTABLE.

2) ALL MACHINING FLUIDS MUST BE WATER SOLUBLE AND FREE OF SULFUR, CHLORINE, AND SILICONE, SUCH AS CINCINNATI MILACRON CIMTECH 410.

3) THOROUGHLY CLEAN PART TO REMOVE ALL OIL, GREASE, DIRT, AND CHIPS.

4) WHERE INDICATED, MECHANICALLY SCRIBE, STAMP, OR ENGRAVE THE FOLLOWING INFORMATION AS SHOWN BELOW: **PART NUMBER-REVISION** OF **PARENT ASSEMBLY**, FOLLOWED ON THE NEXT LINE WITH A UNIQUE 3-DIGIT **SERIAL NUMBER** STARTING AT 001 FOR THE FIRST ASSEMBLY AND INCREMENTING THEREAFTER. USE 0.38" TALL CHARACTERS UNLESS PART SIZE DICTATES SMALLER.

D071471-V2
S/N - ###

POST-MANUFACTURING NOTES:

P1) REFER TO LIGO DWG# D071471.

APPROVALS	DATE
ENGINEERING (HPD): D. Bryce	5/29/2007
QUALITY (HPD): C. Danaher	5/29/2007
MATERIAL: **304 SS**	
FINISH: **ELECTROPOLISH**	
MASS: **0.6 lbs**	

UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN INCHES
DECIMAL TOLERANCES:
.XX ±.015 .XXX ±.005
ANG TOL: ± 1° SURFACE ROUGHNESS: 63

REMOVE ALL SHARP EDGES.
LEAVE .005 X 45° MIN CHAMFER,
OR .005 MIN RADIUS.

THIS PRINT & THE EMBEDDED CAD MODEL ARE THE DOCUMENTATION OF RECORD. UNLESS OTHERWISE SPECIFIED, ALL DIMENSIONS IN THE MODEL ARE BASIC, WITH TOLERANCES GIVEN BY:

⌓ .010 A B

ORIGINAL DESIGN BY:
High Precision Devices
1668 Valtec Lane, Suite C, Boulder, Colorado 80301
Phone: (303) 447-2558 Fax: (303) 447-2548 Web Site: www.hpd-online.com

MODIFIED BY: LIGO

DESCRIPTION: **GS-13 Stabilizer**

P/N: **D071181** CONFIG: **-**

CAD FILE NAME: D071181_GS-13_Stabilizer

PROJECT: HAM ISI, Advanced LIGO

SIZE **B** | SCALE: **1:2** | DRAWN BY: **Dan Bryce (HPD)** | SHEET **1** OF **1** | DATE PRINTED: **4/14/2009** | REV **V2**

Model: #D071181 Rev: V2 Dwg: #D071181 Rev: X-001