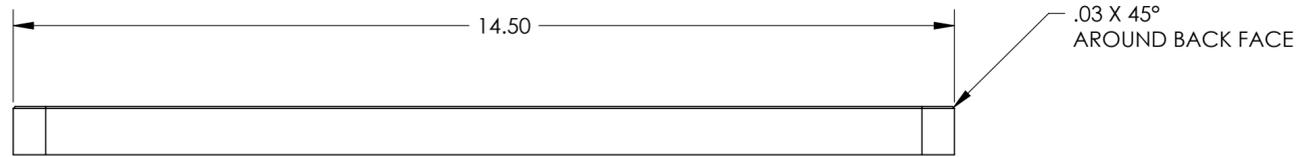
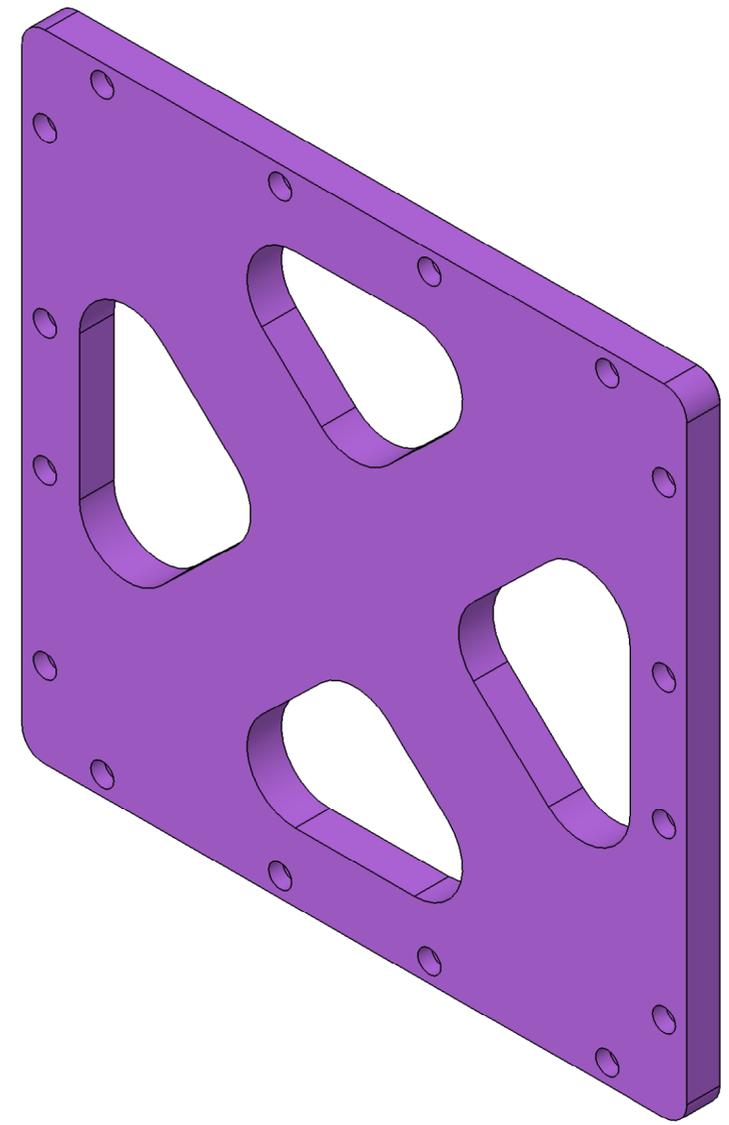
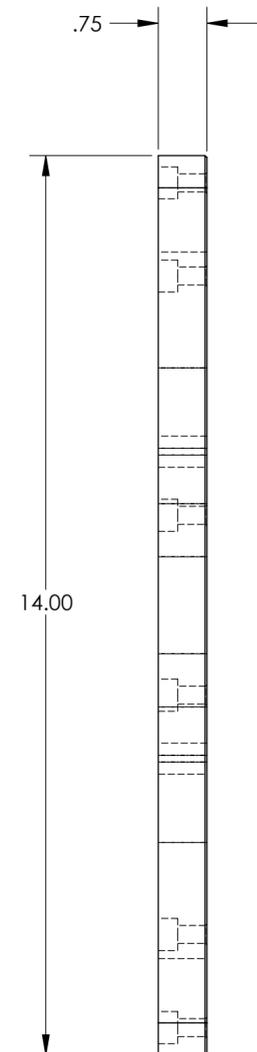
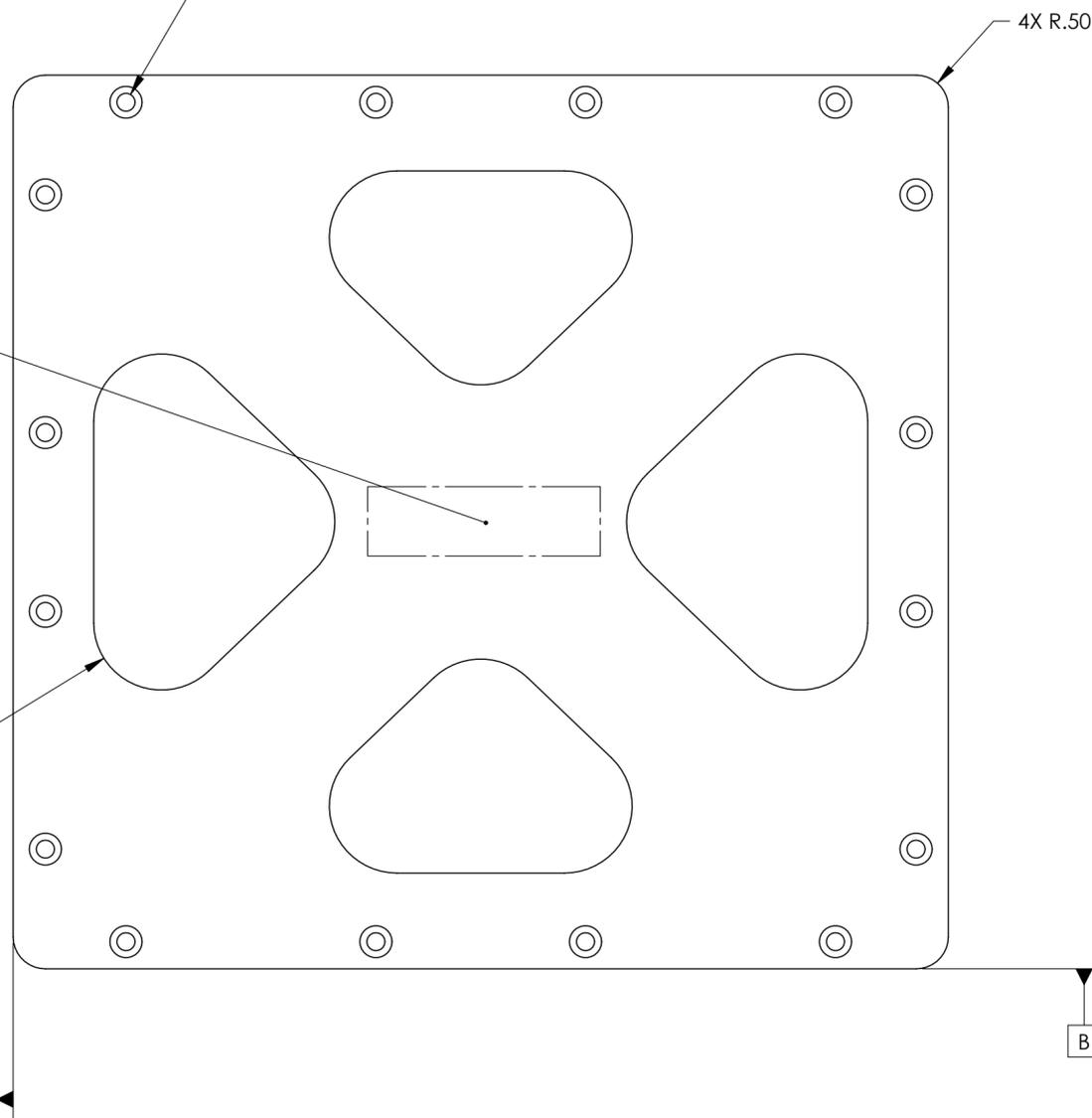


REVISION HISTORY				
REV	DATE	ECO	APPROVAL	DESCRIPTION
V1 / D	Sep 7 2007	1072	D. Senders	Release for Enhanced LIGO.
V2	17 Mar 2009		A. Stein	Release for Advanced LIGO. Added chamfer to interface surface. Added c'sinks.



16X  $\phi$  .281 THRU ALL  
 $\square$   $\phi$  .500  $\nabla$  .30  
 $\nabla$   $\phi$  .32 X 82°, FAR SIDE  
 $\oplus$   $\phi$  .010 (M) A B C



MACHINING NOTES:

- 1) 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** (AND **TYPE** IF INDICATED), FOLLOWED ON THE NEXT LINE WITH A UNIQUE 3-DIGIT **SERIAL NUMBER** STARTING AT 001 FOR THE FIRST PART AND INCREMENTING THEREAFTER. USE 0.38" TALL CHARACTERS UNLESS PART SIZE DICTATES SMALLER.

D071072-V2  
S/N - ###

POST-MACHINING NOTES:

- P1) CLEAN TO LIGO STANDARDS, CLASS A.

UNLESS OTHERWISE SPECIFIED:

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

$\phi$	.010	A	B	C
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ORIGINAL DESIGN BY:	High Precision Devices	MODIFIED BY:	LIGO
1448 Valtec Lane, Suite C, Boulder, Colorado 80301 Phone: (303) 447-2558 Fax: (303) 447-2548 Web Site: www.hpd-online.com			
DESCRIPTION:	Rib, Tan, Flexure Mid Cover		
P/N:	D071072	CONFIG:	-
CAD FILE NAME:	D071072_Rib-Tan-Flexure_Mid_Cover		
PROJECT:	HAM ISI, Advanced LIGO		
SIZE	SCALE: 1:2	DRAWN BY:	Dave Senders (HPD)
C	SHEET 1 OF 1	DATE PRINTED:	3/19/2009
REV			V2

APPROVALS	DATE
ENGINEERING (HPD): D. Senders	5/22/2007
QUALITY (HPD): C. Danaher	5/22/2007
MATERIAL:	6061-T6 Al
FINISH:	None
MASS:	10.9 lbs