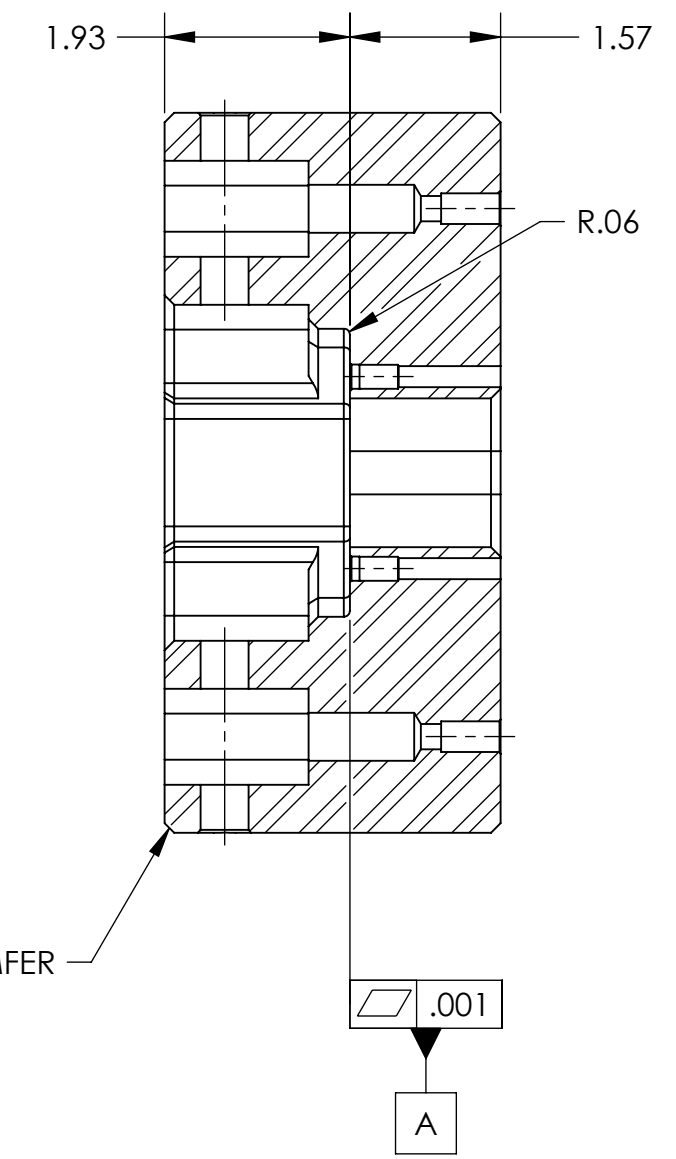
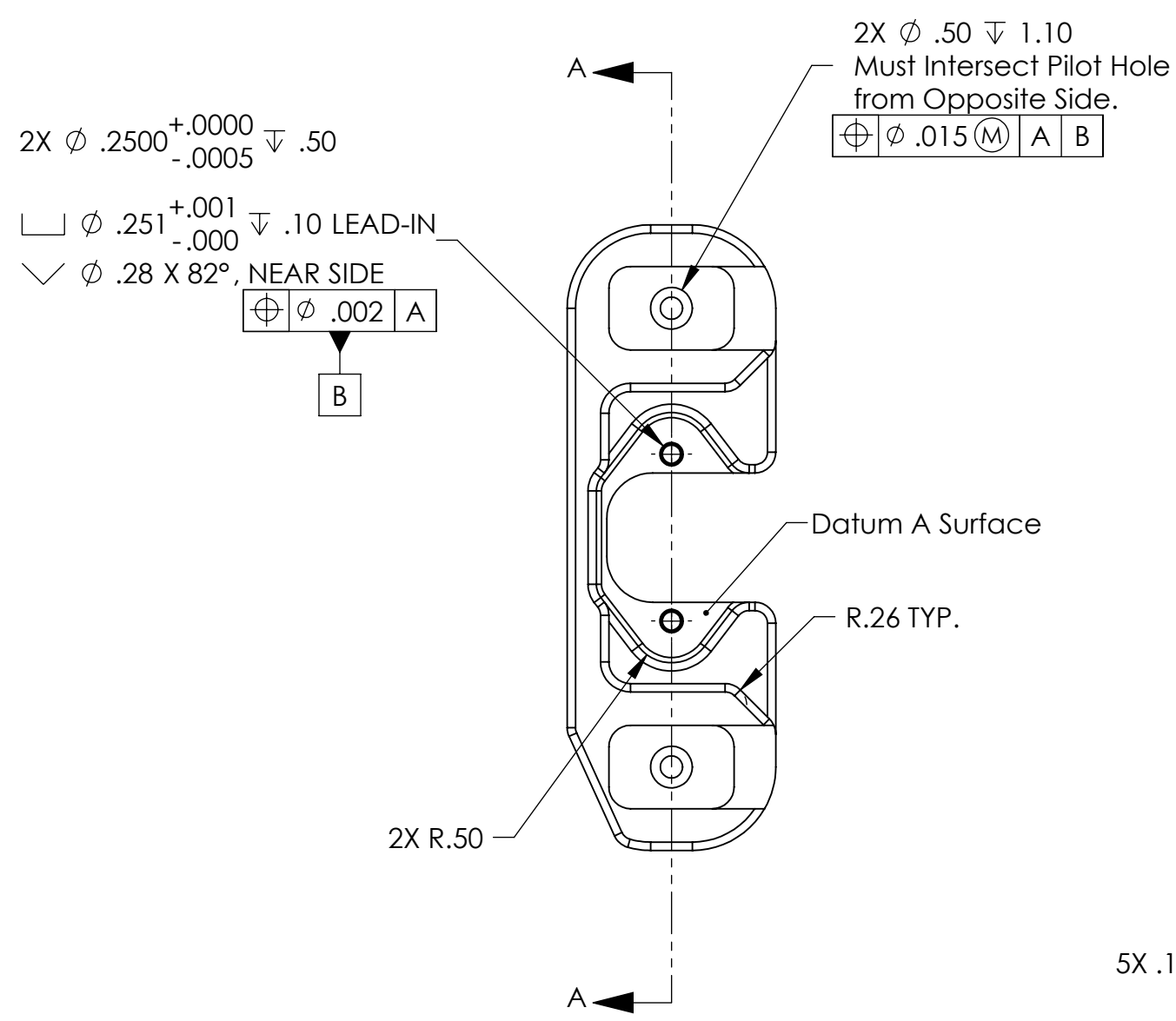
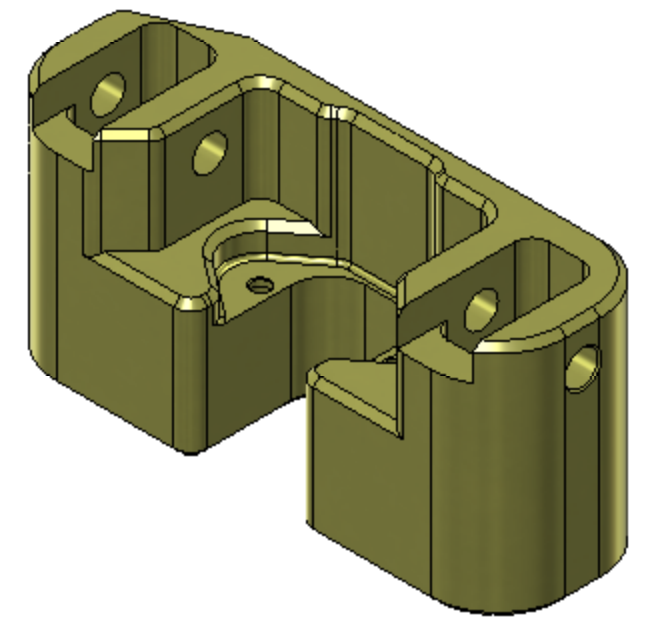
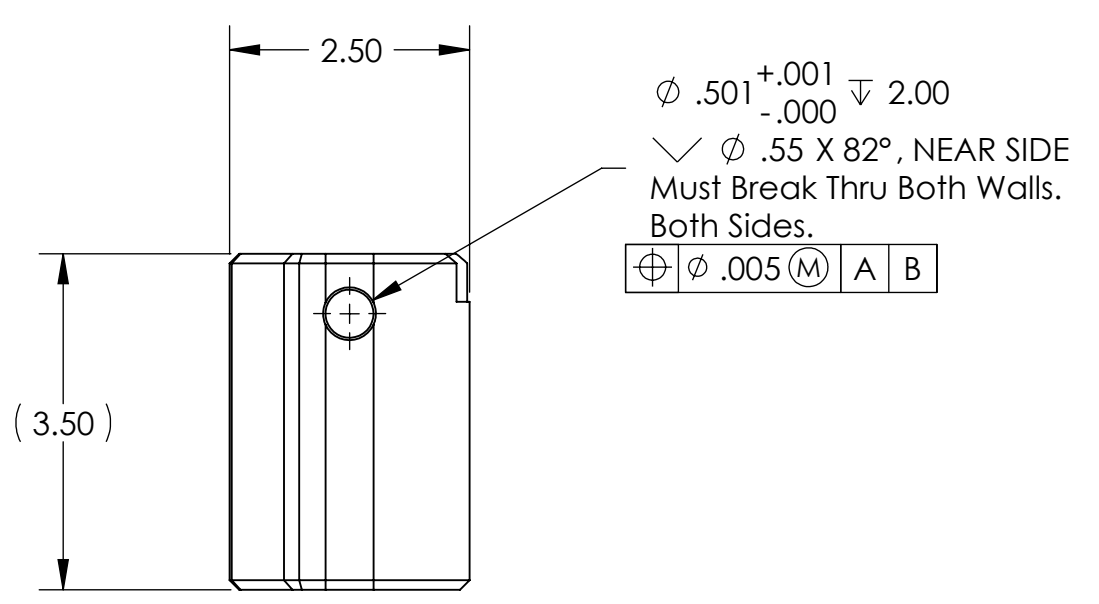
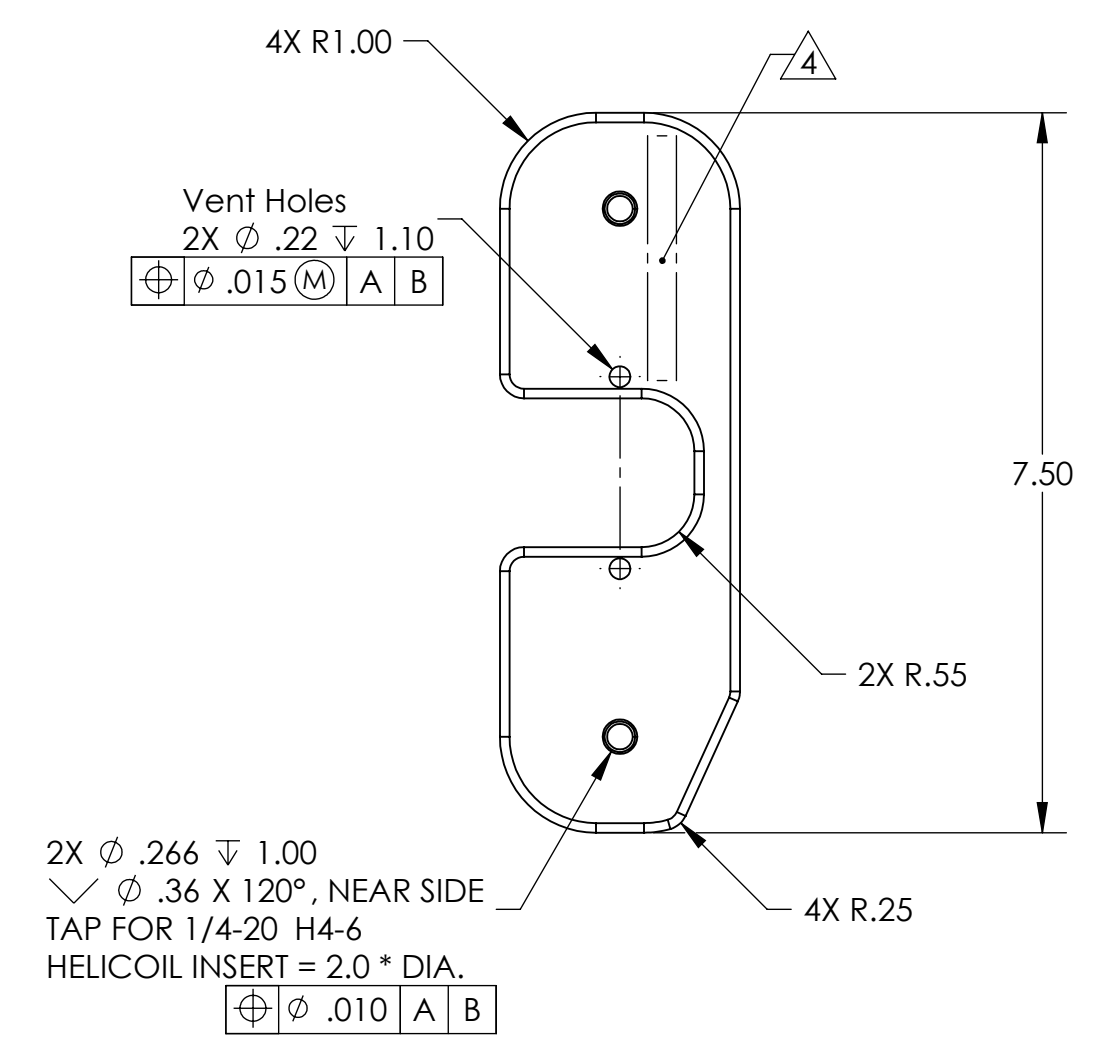


REVISION HISTORY				
REV	DATE	ECO	APPROVAL	DESCRIPTION
V1 / C	31 Jul 2007	1070	D.Senders	Release for Enhanced LIGO.
V2	23 Apr 2009		A. Stein	Release for Advanced LIGO. Increased 2x radius from .50 to .55. Minor changes to vent hole details. Added/modified c'sinks.



SECTION A-A



MANUFACTURING 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.

D071305-V2
S/N - ###

POST-MANUFACTURING NOTES:

- P1) CLEAN TO LIGO STANDARDS, CLASS B (PER E0900047 AND E960022).
- P2) INSTALL CLASS-B CLEAN HELI-COILS. BREAK OFF AND REMOVE TANGS. CHECK THAT END OF EACH INSERT REMAINS ENGAGED IN THREAD AFTER TANG REMOVAL.

HELI-COIL TABLE (See Note 5)				
Item No.	Thread Size	Material	Heli-Coil P/N 1185...	Qty.
1	1/4"-20 x .50"	Nitronic 60	-4EN500	2

APPROVALS		DATE	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.	High Precision Devices 1448 Valtec Lane, Suite C, Boulder, Colorado 80301 Phone: (303) 447-2558 Fax: (303) 447-2548 Web Site: www.hpd-online.com	ORIGINAL DESIGN BY:	MODIFIED BY:
ENGINEERING (HPD): D. Senders		6/15/2007			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: \square .010 A B	LIGO
QUALITY (HPD): C. Danaher		6/15/2007		DESCRIPTION:	Spring Pull-Down, Cap	
MATERIAL: 2024-T351 Al				P/N:	D071305	CONFIG: -
FINISH: None				CAD FILE NAME:	D071305_Spring_Pull-Down-Cap	
MASS: 3.8 lbs				PROJECT:	HAM ISI, Advanced LIGO	
				SIZE	SCALE: 1:2	DRAWN BY: Dave Senders (HPD)
				REV	DATE PRINTED: 4/24/2009	V2
				SHEET 1 OF 1		