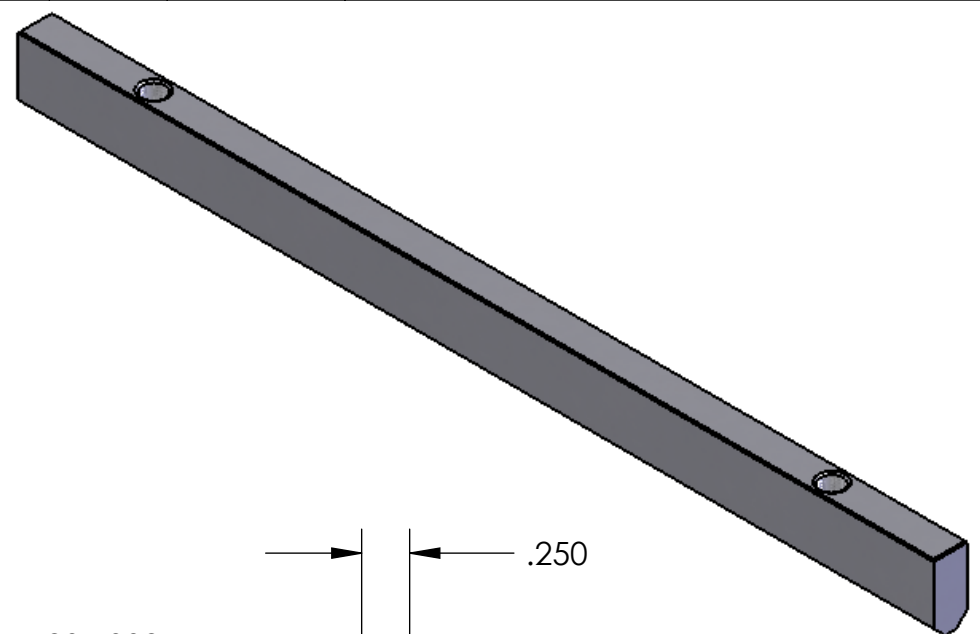
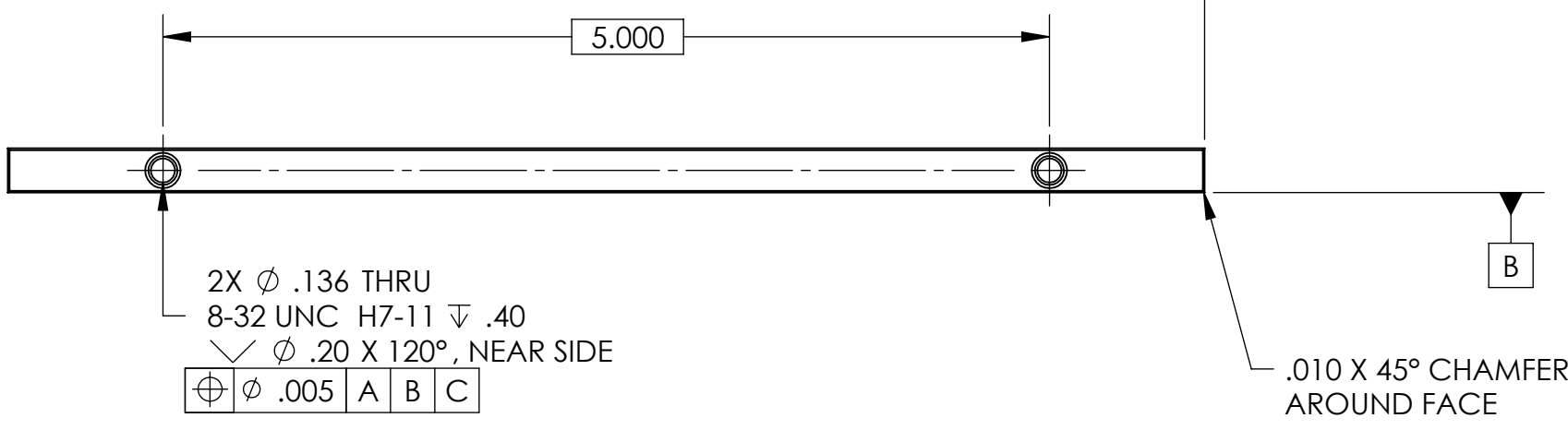


8 7 6 5 4 3 2 1

REVISION HISTORY				
REV	DATE	ECO	APPROVAL	DESCRIPTION
V1 / A	30 Nov 2007		A. Stein	Release for Enhanced LIGO.
V2	17 Apr 2009		A. Stein	Release for Advanced LIGO. Changed far-side hole details.

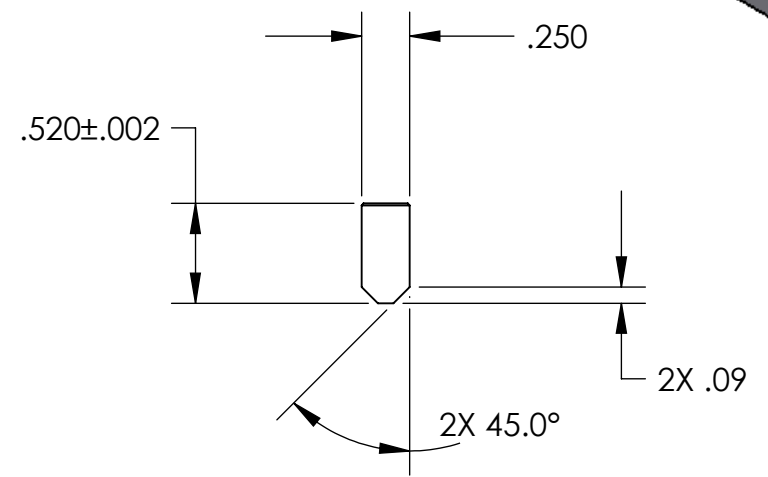
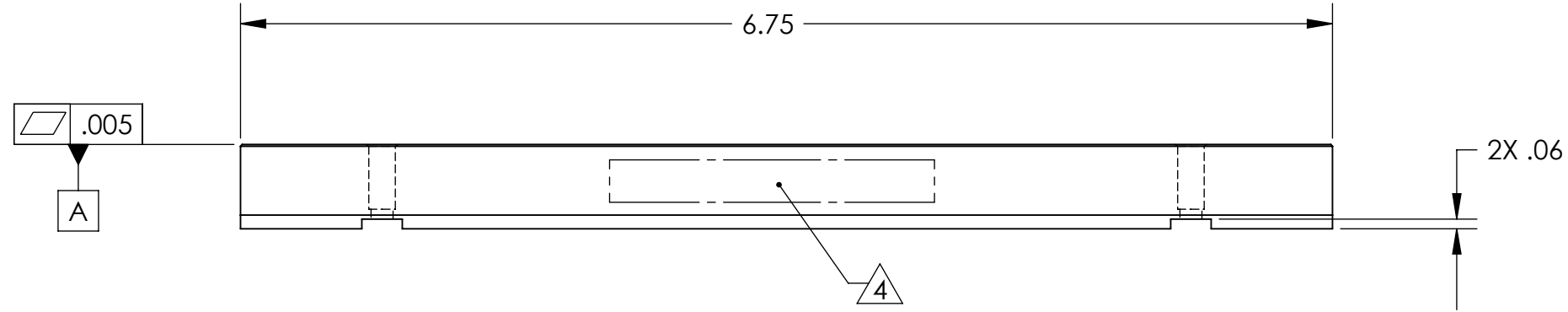
D

D



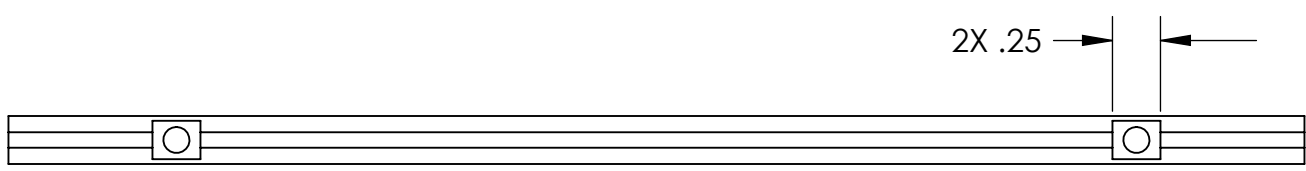
C

C



B

B



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.

D070534-V2
S/N - ###

POST-MANUFACTURING NOTES:

P1) CLEAN TO LIGO STANDARDS, CLASS A (PER E0900047 AND E960022).

APPROVALS		DATE	UNLESS OTHERWISE SPECIFIED: DIMENSIONS ARE IN INCHES DECIMAL TOLERANCES: .XX ±.015 .XXX ±.005 ANG TOL: ± 1° SURFACE ROUGHNESS: 63	CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		
ENGINEERING: A. Stein		11/30/2007		REMOVE ALL SHARP EDGES. LEAVE .005 X 45° MIN CHAMFER, OR .005 MIN RADIUS.	DESCRIPTION: Actuator Stop	
QUALITY:		-	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:	P/N: D070534 CONFIG: -		
MATERIAL: 6061-T6 Al				CAD FILE NAME: D070534_Actuator_Stop		
FINISH: None				PROJECT: HAM ISI, Advanced LIGO		
MASS: 0.08 lbs			.010 A B C		SIZE B SCALE: 1:1 DRAWN BY: Andy Stein REV SHEET 1 OF 1 DATE PRINTED: 4/17/2009 V2	

8 7 6 5 4 3 2 1