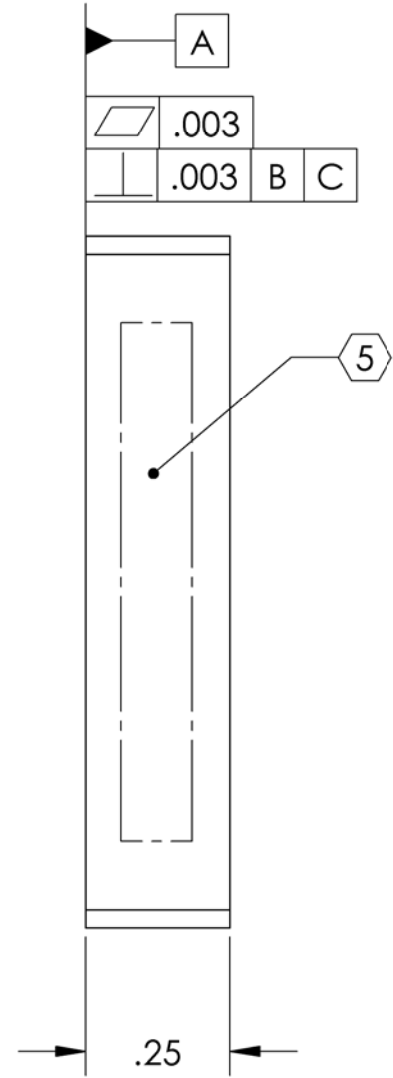
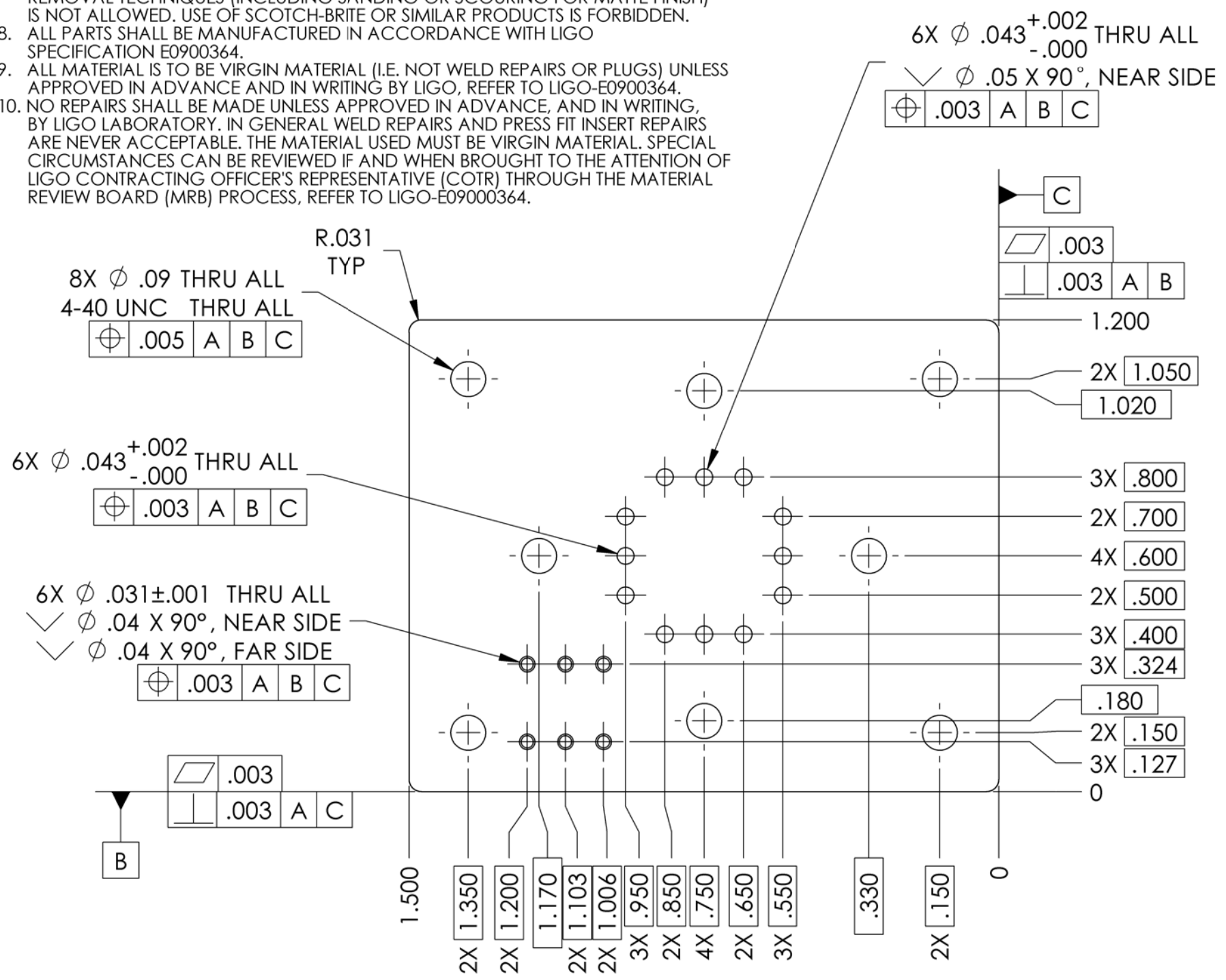
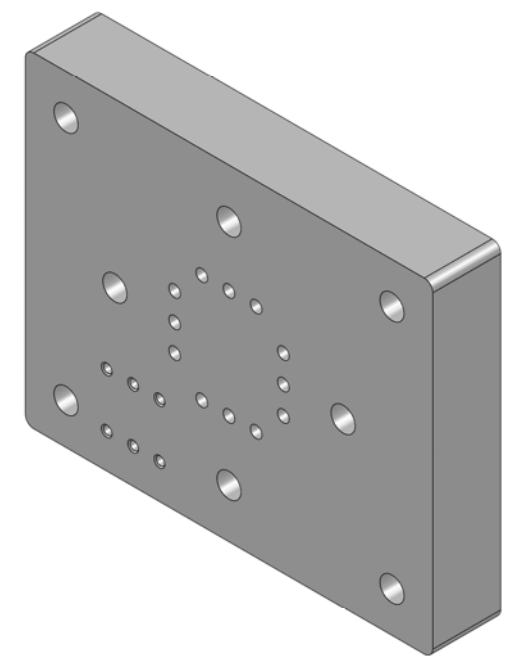


NOTES CONTINUED:

4. ALL MACHINING FLUIDS MUST BE FULLY SYNTHETIC, FULLY WATER SOLUBLE AND FREE OF SULFUR, SILICONE AND CHLORINE.
5. SCRIBE, ENGRAVE, OR MECHANICALLY STAMP (NO INKS OR DYES) DRAWING PART NUMBER, REVISION (AND VARIANT OR "TYPE" IF APPLICABLE ON NOTED SURFACE OF PART FOLLOWED ON THE NEXT LINE WITH A THREE DIGIT SERIAL NUMBER. SERIAL NUMBERS START AT 001 FOR THE FIRST ARTICLE AND PROCEED CONSECUTIVELY. USE MINIMUM 0.12 HIGH CHARACTERS, UNLESS THE SIZE OF THE PART DICTATES SMALLER CHARACTERS. A VIBRATORY TOOL MAY BE USED. EXAMPLE DXXXXXXX-VY, TYPE-XX, S/N XXX.
6. APPROXIMATE WEIGHT = 0.02 LB.
7. MACHINE ALL SURFACES TO REMOVE OXIDES AND MILL FINISH, USE OF ABRASIVE REMOVAL TECHNIQUES (INCLUDING SANDING OR SCOURING FOR MATTE FINISH) IS NOT ALLOWED. USE OF SCOTCH-BRITE OR SIMILAR PRODUCTS IS FORBIDDEN.
8. ALL PARTS SHALL BE MANUFACTURED IN ACCORDANCE WITH LIGO SPECIFICATION E0900364.
9. ALL MATERIAL IS TO BE VIRGIN MATERIAL (I.E. NOT WELD REPAIRS OR PLUGS) UNLESS APPROVED IN ADVANCE AND IN WRITING BY LIGO, REFER TO LIGO-E0900364.
10. NO REPAIRS SHALL BE MADE UNLESS APPROVED IN ADVANCE, AND IN WRITING, BY LIGO LABORATORY. IN GENERAL WELD REPAIRS AND PRESS FIT INSERT REPAIRS ARE NEVER ACCEPTABLE. THE MATERIAL USED MUST BE VIRGIN MATERIAL. SPECIAL CIRCUMSTANCES CAN BE REVIEWED IF AND WHEN BROUGHT TO THE ATTENTION OF LIGO CONTRACTING OFFICER'S REPRESENTATIVE (COTR) THROUGH THE MATERIAL REVIEW BOARD (MRB) PROCESS, REFER TO LIGO-E09000364.

REV.	DATE	DCN #	DRAWING TREE #
v4	7 Oct. 2011	E1101003	E1101004



NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)				LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		PART NAME	
DIMENSIONS ARE IN INCHES				ADVANCED LIGO		ISC QPD BACK - PEEK	
TOLERANCES: .XX $\pm$ .01 .XXX $\pm$ .005				SUB-SYSTEM		DESIGNER S. WALDMAN 15 NOV 2010	
ANGULAR $\pm$ 0.5°				NEXT ASSY		DRAFTER J. FISHER 7 DEC 2010	
MATERIAL PEEK VICTREX GRADE 450G				FINISH N/A $\mu$ inch		CHECKER P.FRITSCH 7 Oct. 2011	
1. INTERPRET DRAWING PER ASME Y14.5-1994.				D1002106		APPROVAL P.FRITSCH 7 Oct. 2011	
2. REMOVE ALL SHARP EDGES, .005-.015. ON ALL EDGES AND HOLES.				SCALE: 3:1		DWG. NO. D1002601	
3. DO NOT SCALE FROM DRAWING.				PROJECTION: $\oplus$		REV. v4	
				SHEET 1 OF 1			

D1002601\_ISC\_QPD\_Back\_PEEK\_PART\_PDM\_REV: X-005, DRAWING\_PDM\_REV: X-006