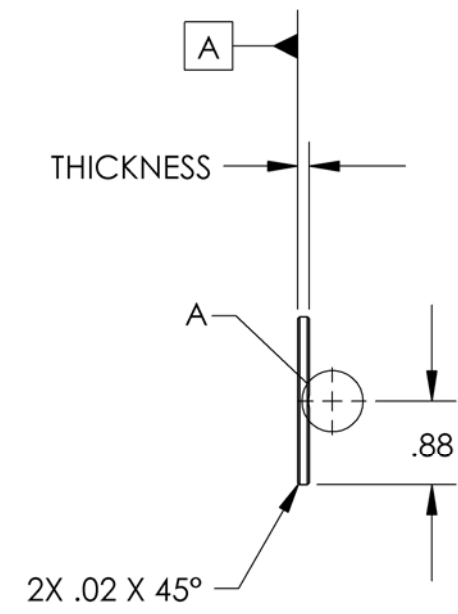
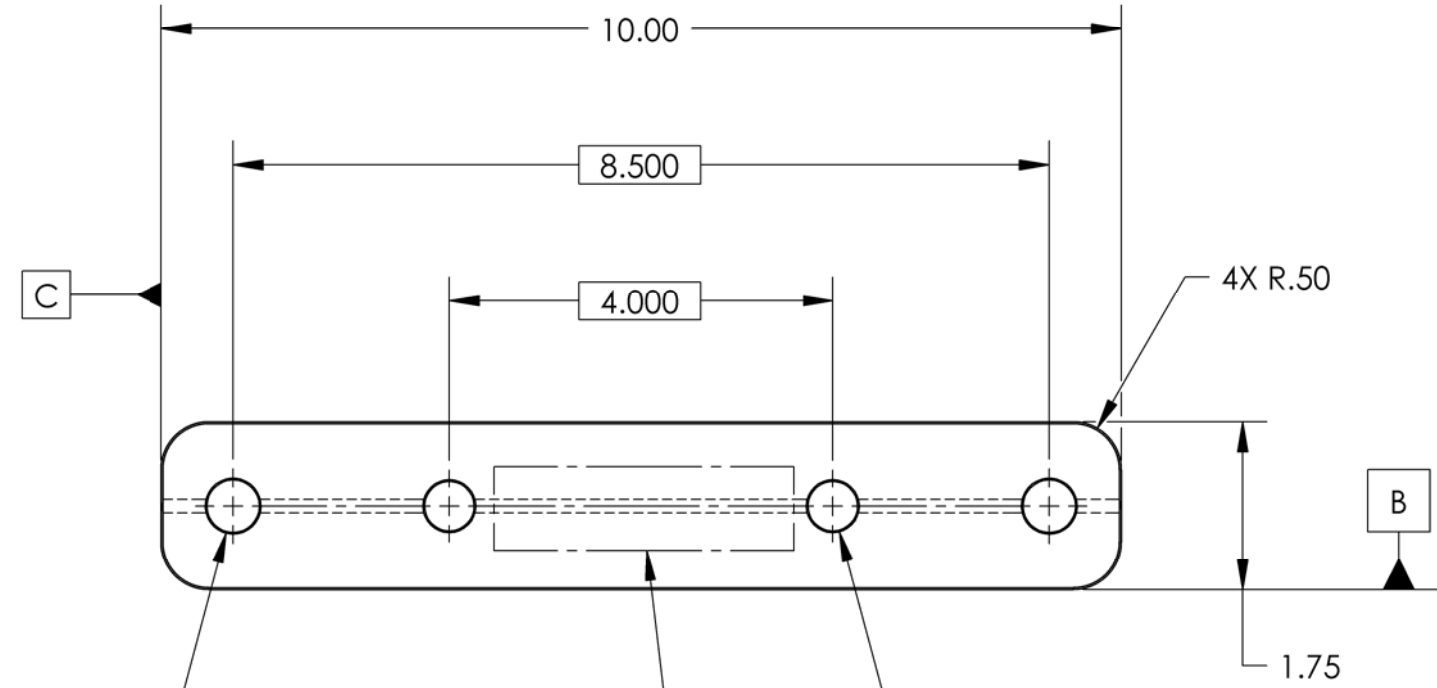
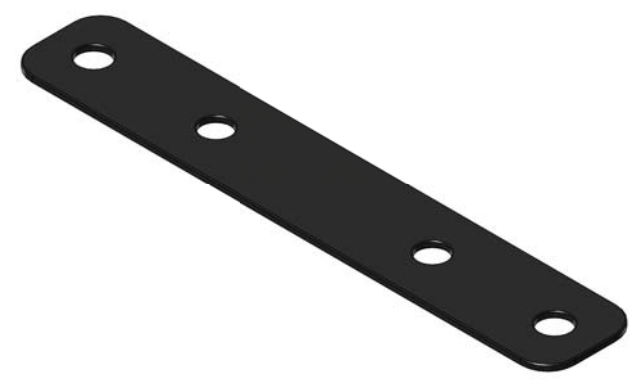
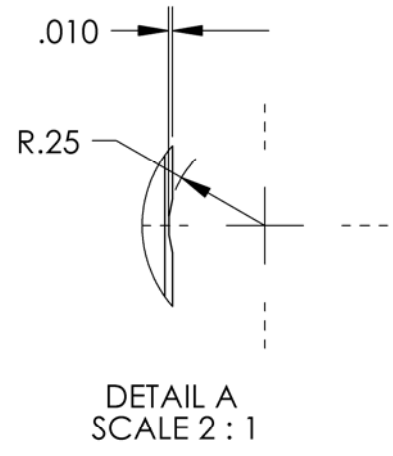


REV.	DATE	DCN #	DRAWING TREE #
v3	04 Nov. 2009	E0900396	E1000025
v4	06 Dec. 2010	E1000758	E1000025

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 = 0.6 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.



2X  $\phi$  .547 THRU ALL  
 $\surd$   $\phi$  .58 X 82°, BOTH SIDES  
 $\oplus$   $\phi$  .015 (M) A B C

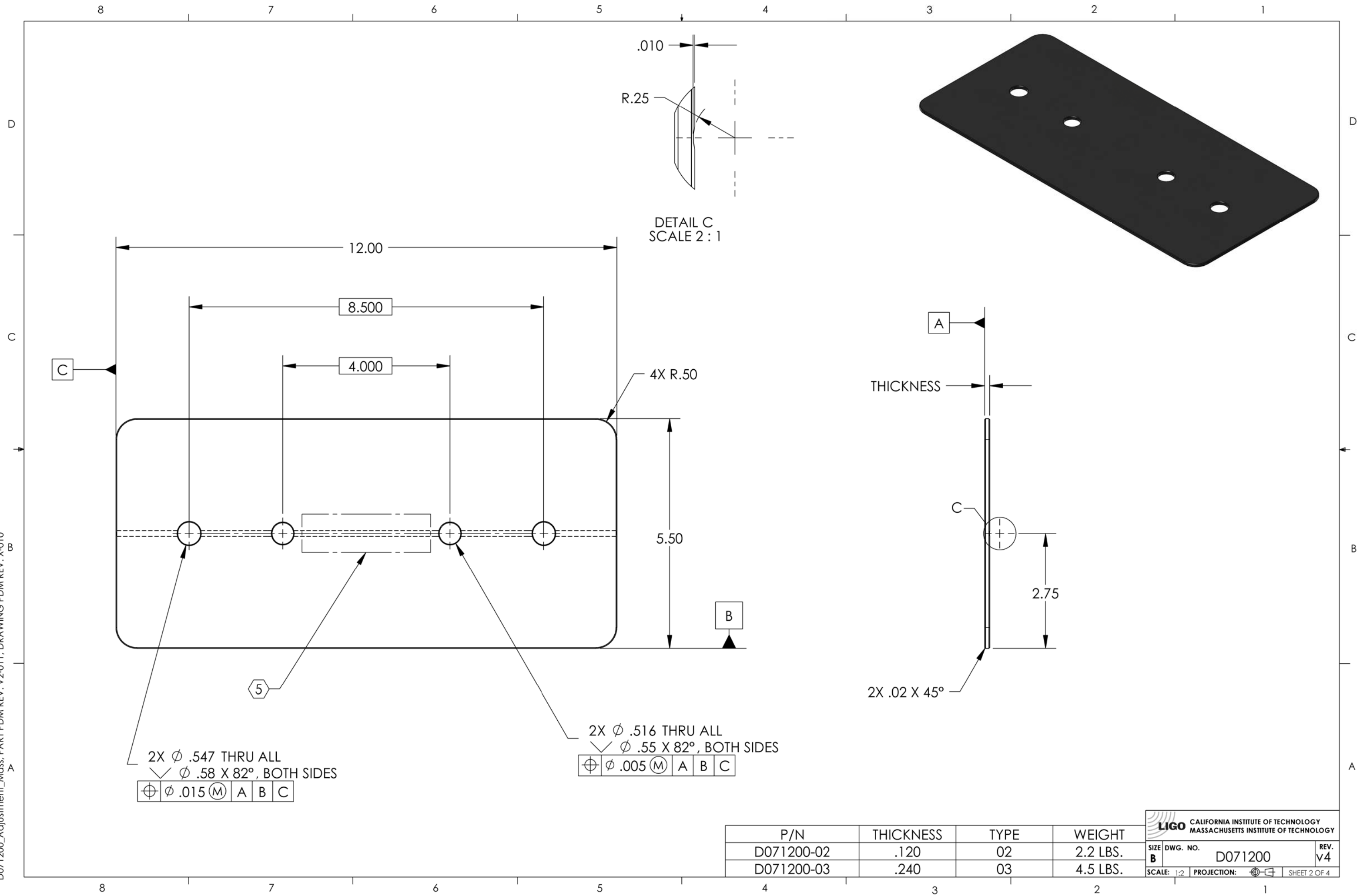
2X  $\phi$  .516 THRU ALL  
 $\surd$   $\phi$  .55 X 82°, BOTH SIDES  
 $\oplus$   $\phi$  .005 (M) A B C

P/N	THICKNESS	TYPE	WEIGHT
D071200-00	.120	00	0.6 LBS.
D071200-01	.240	01	1.1 LBS.

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)				CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY				PART NAME			
DIMENSIONS ARE IN INCHES				1. INTERPRET DRAWING PER ASME Y14.5-1994. 2. REMOVE ALL SHARP EDGES, R.02 MIN. 3. DO NOT SCALE FROM DRAWING.				<b>Adjustment Mass</b>			
TOLERANCES: .XX ± .015 .XXX ± .005											
ANGULAR ± .5°				MATERIAL 304 SS		FINISH 32 $\mu$ inch		NEXT ASSY D0901182		DESIGNER HPD 15 JUNE 2007 DRAFTER M.HILLARD 08/27/2008 CHECKER F.MATICHERD 10 Oct. 2010 APPROVAL K.MASON 10 Oct. 2010	
				ADVANCED LIGO		SUB-SYSTEM SEI		SIZE DWG. NO. <b>B D071200</b>		REV. <b>v4</b>	
								SCALE: 1:2		PROJECTION:  SHEET 1 OF 4	

D071200\_Adjustment\_Mass, PART PDM REV: V2-011, DRAWING PDM REV: X-010

D071200\_Adjustment\_Mass\_Part PDM REV: V2-011, DRAWING PDM REV: X-010



2X  $\phi$  .547 THRU ALL  
 $\sphericalangle$   $\phi$  .58 X 82°, BOTH SIDES  
 $\oplus \phi$  .015 (M) A B C

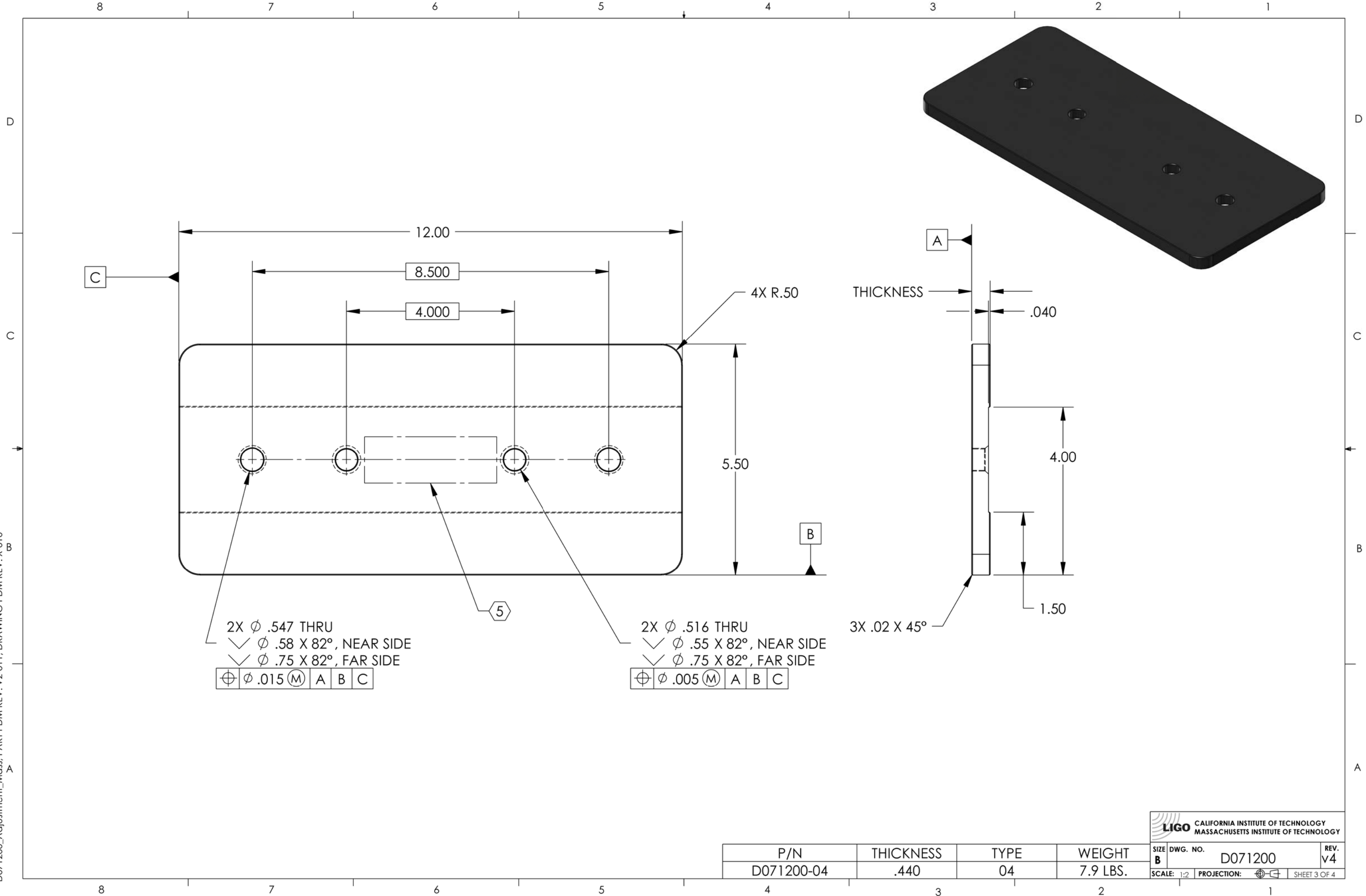
2X  $\phi$  .516 THRU ALL  
 $\sphericalangle$   $\phi$  .55 X 82°, BOTH SIDES  
 $\oplus \phi$  .005 (M) A B C

P/N	THICKNESS	TYPE	WEIGHT
D071200-02	.120	02	2.2 LBS.
D071200-03	.240	03	4.5 LBS.

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SIZE	DWG. NO.	REV.
B	D071200	v4
SCALE: 1:2	PROJECTION:	SHEET 2 OF 4

D071200\_Adjustment\_Mass, PART PDM REV: V2-011, DRAWING PDM REV: X-010



2X  $\phi$  .547 THRU  
 $\surd$   $\phi$  .58 X 82°, NEAR SIDE  
 $\surd$   $\phi$  .75 X 82°, FAR SIDE  
 $\oplus$   $\phi$  .015 (M) A B C

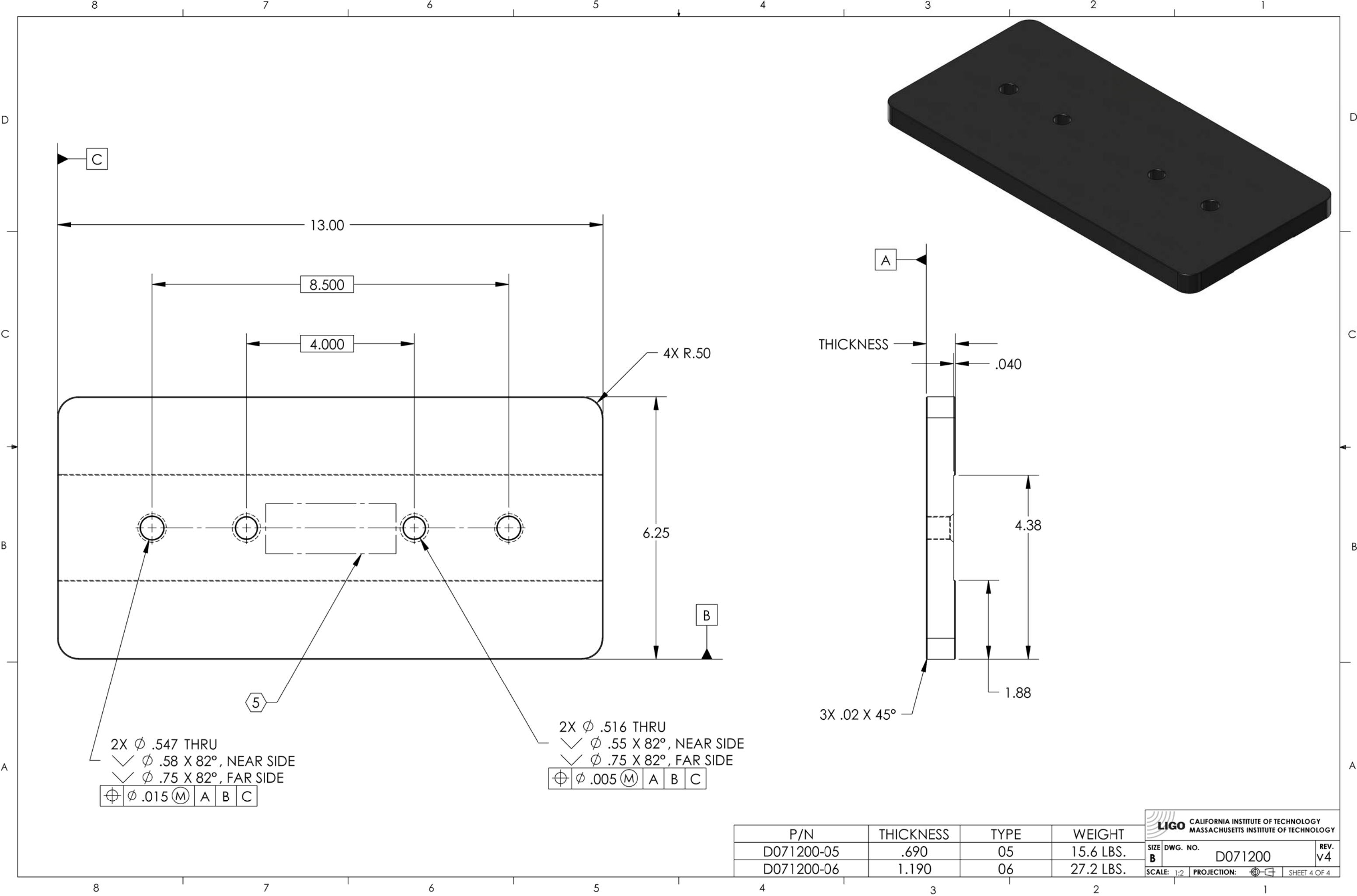
2X  $\phi$  .516 THRU  
 $\surd$   $\phi$  .55 X 82°, NEAR SIDE  
 $\surd$   $\phi$  .75 X 82°, FAR SIDE  
 $\oplus$   $\phi$  .005 (M) A B C

P/N	THICKNESS	TYPE	WEIGHT
D071200-04	.440	04	7.9 LBS.

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SIZE	DWG. NO.	REV.
B	D071200	v4
SCALE: 1:2	PROJECTION:	SHEET 3 OF 4

D071200\_Adjustment\_Mass\_Part PDM REV: V2-011, DRAWING PDM REV: X-010



2X  $\phi$  .547 THRU  
 $\surd$   $\phi$  .58 X 82°, NEAR SIDE  
 $\surd$   $\phi$  .75 X 82°, FAR SIDE

$\oplus$ $\phi$ .015 (M)	A	B	C
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2X  $\phi$  .516 THRU  
 $\surd$   $\phi$  .55 X 82°, NEAR SIDE  
 $\surd$   $\phi$  .75 X 82°, FAR SIDE

$\oplus$ $\phi$ .005 (M)	A	B	C
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P/N	THICKNESS	TYPE	WEIGHT
D071200-05	.690	05	15.6 LBS.
D071200-06	1.190	06	27.2 LBS.

**LIGO** CALIFORNIA INSTITUTE OF TECHNOLOGY  
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY

SIZE <b>B</b>	DWG. NO. D071200	REV. v4
SCALE: 1:2	PROJECTION:	SHEET 4 OF 4