

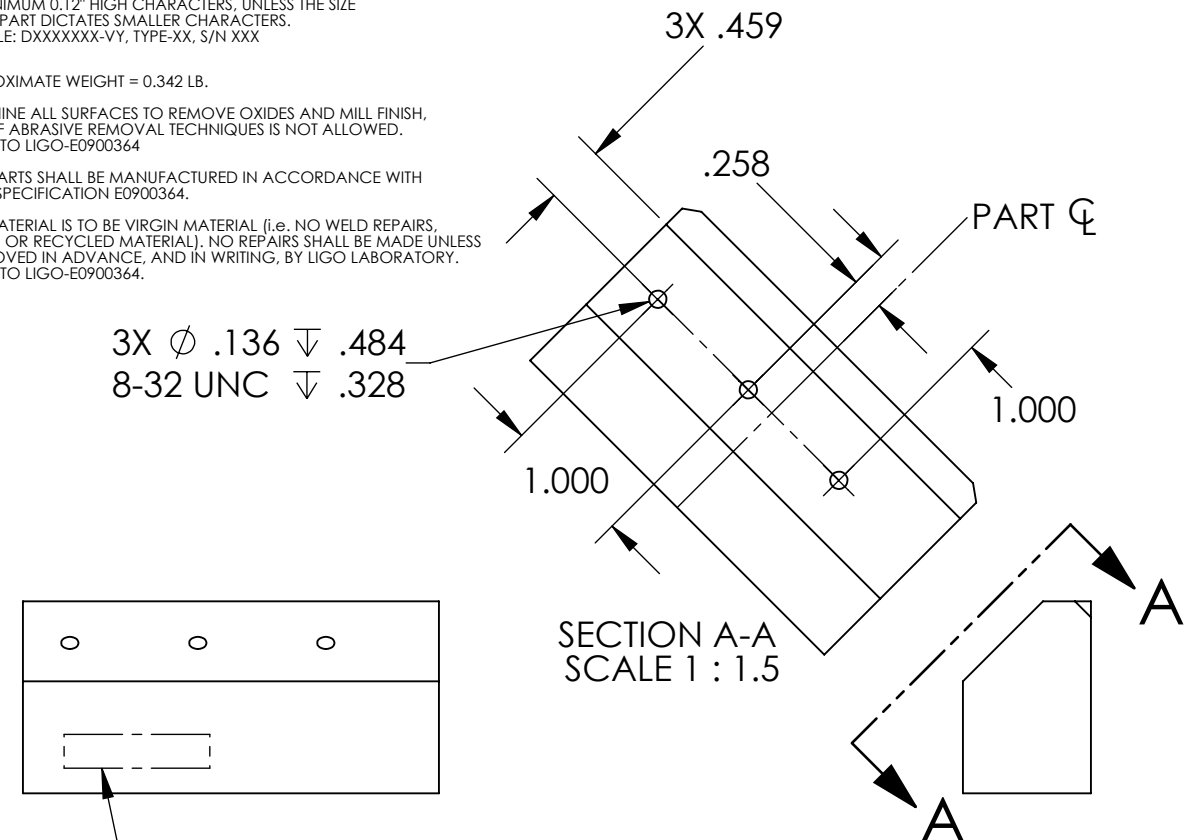
D1201547_WEDGE, LOWER PERISCOPE MIRROR MOUNT, αLIGO TCS CO2P, HI-L1, PART PDM REV: X-006, DRAWING PDM REV: X-005

NOTES CONTINUED:
 5. SCRIBE, ENGRAVE (A VIBRATORY TOOL MAY BE USED), LASER MARK 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. EXAMPLE: DXXXXXX-VY, TYPE-XX, S/N XXX

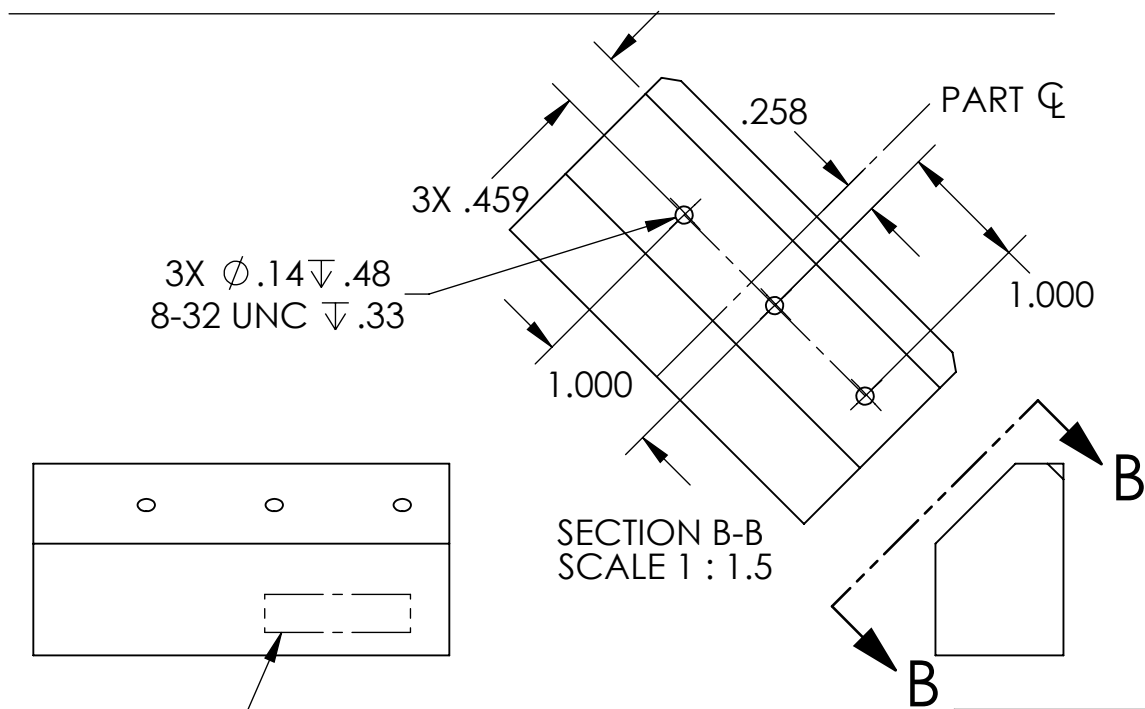
- 6. APPROXIMATE WEIGHT = 0.342 LB.
- 7. MACHINE ALL SURFACES TO REMOVE OXIDES AND MILL FINISH. USE OF ABRASIVE REMOVAL TECHNIQUES IS NOT ALLOWED. REFER TO LIGO-E0900364
- 8. ALL PARTS SHALL BE MANUFACTURED IN ACCORDANCE WITH LIGO SPECIFICATION E0900364.
- 9. ALL MATERIAL IS TO BE VIRGIN MATERIAL (i.e. NO WELD REPAIRS, PLUGS OR RECYCLED MATERIAL). NO REPAIRS SHALL BE MADE UNLESS APPROVED IN ADVANCE, AND IN WRITING, BY LIGO LABORATORY. REFER TO LIGO-E0900364.

TYPE	DESCRIPTION
-01	X-ARM
-02	Y-ARM

REV.	DATE	DCN #	DRAWING TREE #
v1	12-DEC-2012	E1200891-x0	E1201007-v1
v2	14-FEB-2013	E1200891-v1	E1201007-v2
v3	09-OCT-2013	E1300729-x0	E1201007-v3

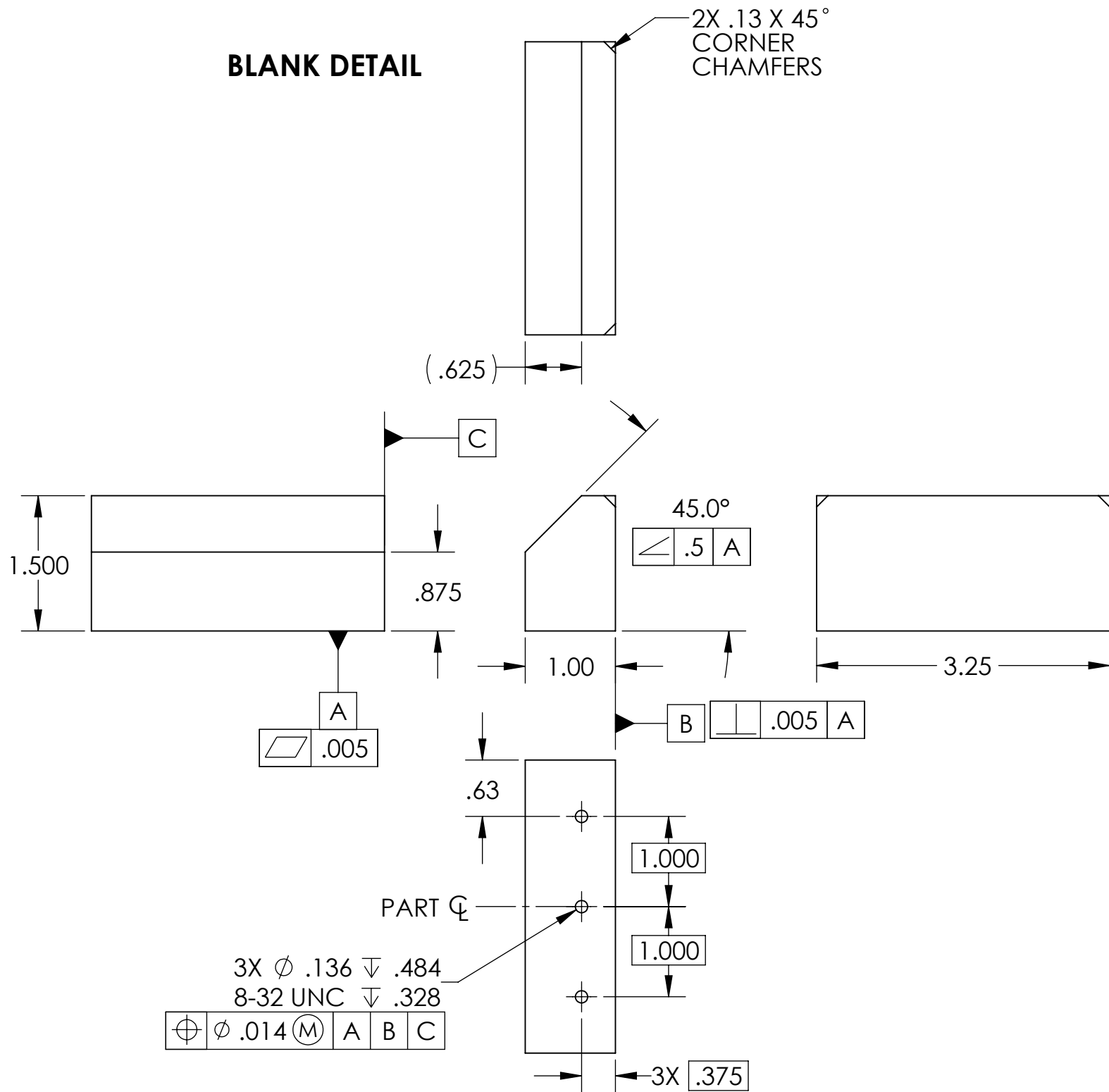


-01 DETAIL



-02 DETAIL

BLANK DETAIL



NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)

DIMENSIONS ARE IN INCHES
 TOLERANCES:
 .XX ± .01
 .XXX ± .005
 ANGULAR ± 1.0°

1. INTERPRET DRAWING PER ASME Y14.5-1994.
 2. REMOVE ALL SHARP EDGES, .005-.015, FOR MACHINED PARTS. ROUND ALL EDGES APPROXIMATELY R.02
 3. DO NOT SCALE FROM DRAWING.
 4. ALL MACHINING FLUIDS MUST BE FULLY SYNTHETIC, FULLY WATER SOLUBLE AND FREE OF SULFUR, SILICONE, AND CHLORINE.

MATERIAL 6061 Alloy **FINISH** 63 μinch

CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		PART NAME WEDGE, LOWER PERISCOPE MIRROR MOUNT	
SYSTEM ADVANCED LIGO	SUB-SYSTEM AOS	DESIGNER M. JACOBSON 11-DEC-2012 DRAFTER M. JACOBSON 12-DEC-2012 CHECKER E. SANCHEZ 09-OCT-2013 APPROVAL HEPTONSTALL07-OCT-2013	SIZE DWG. NO. B D1201547 SCALE: 2:3 PROJECTION:
NEXT ASSY D1201400	REVISION v3	SHEET 1 OF 1	