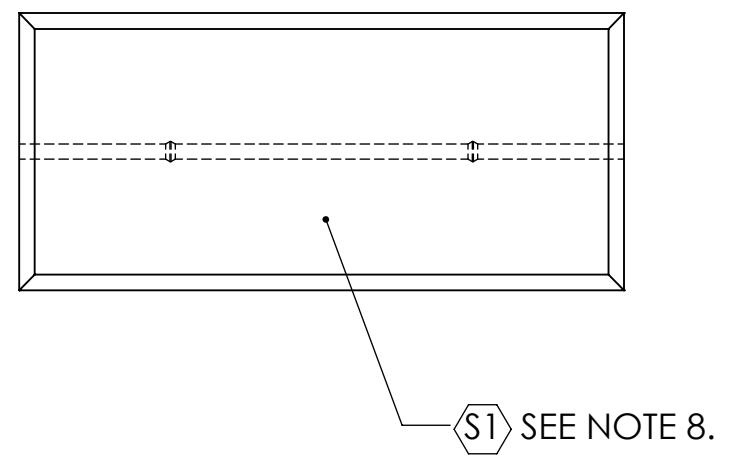
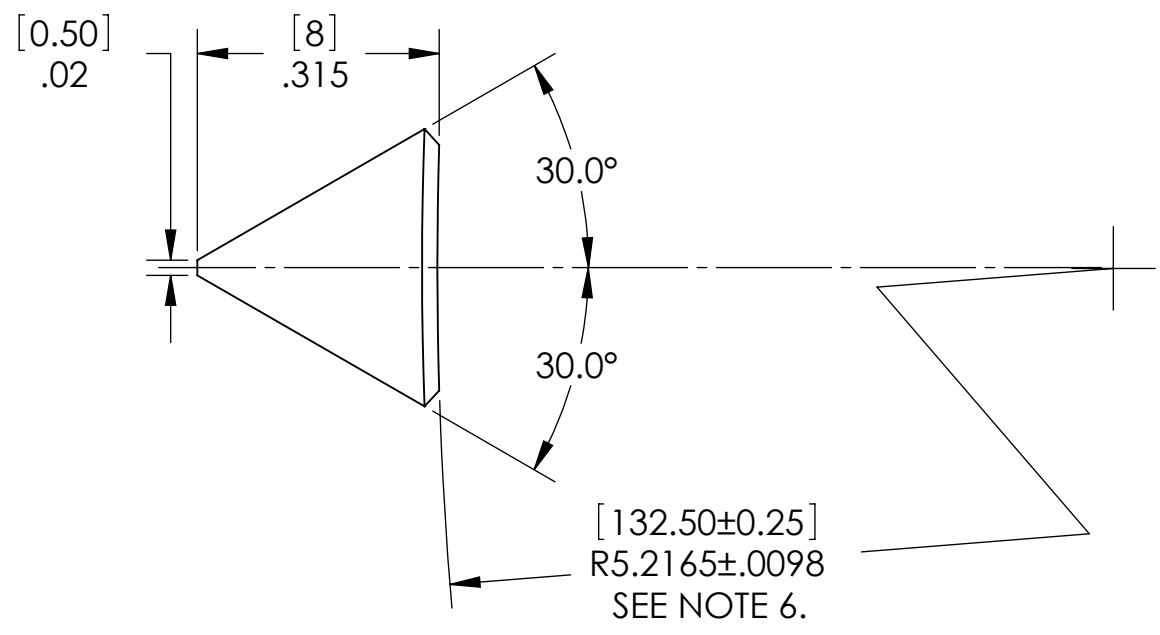
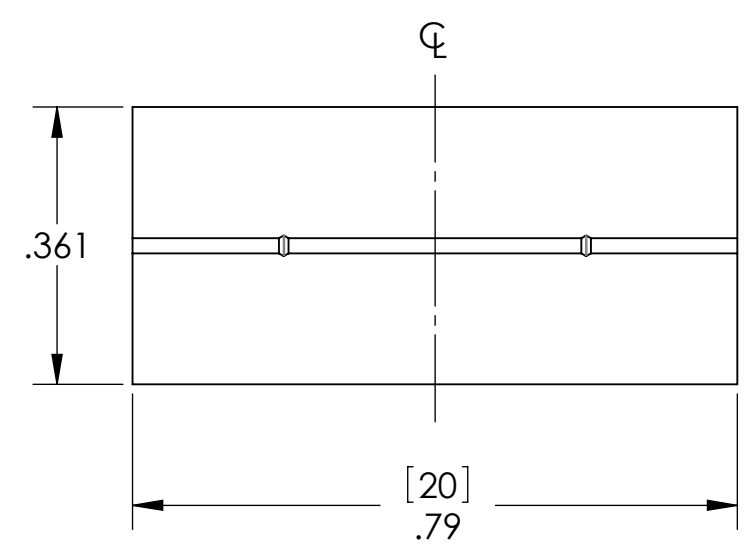
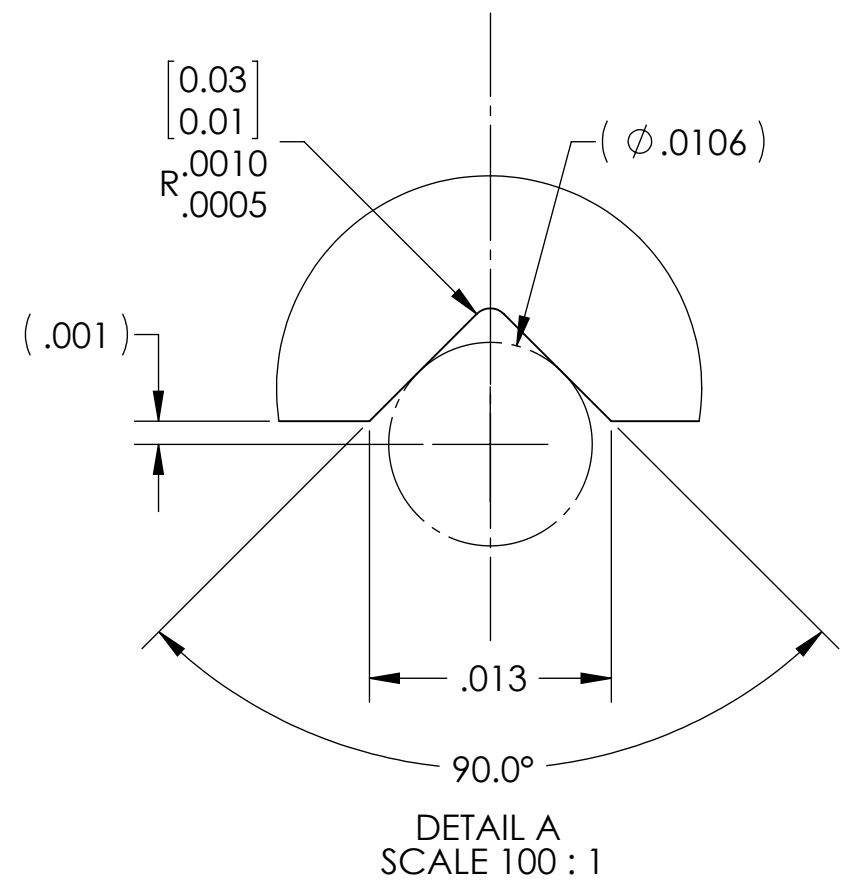
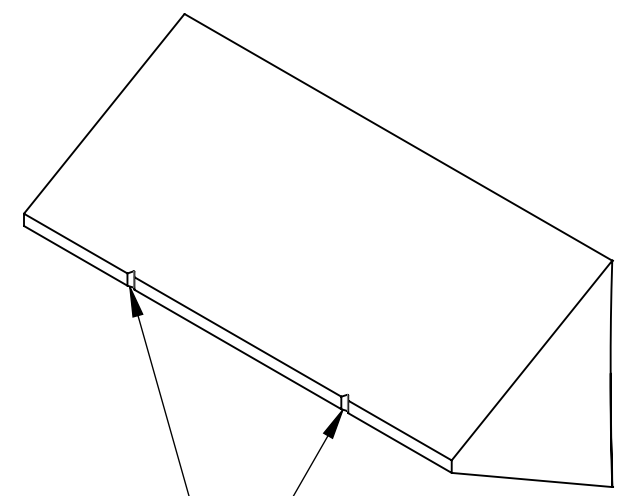
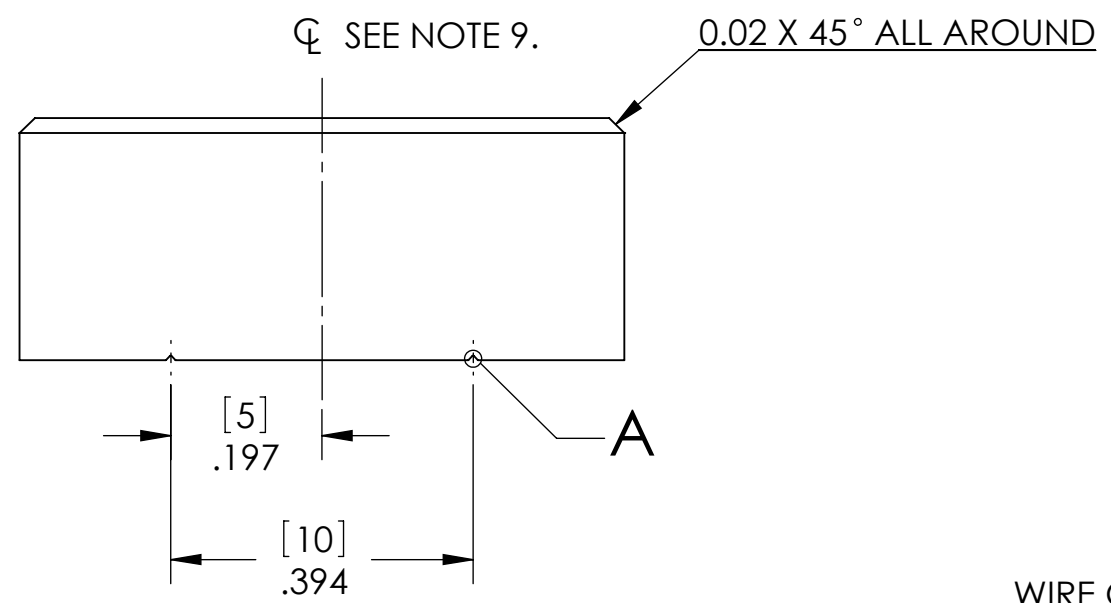


NOTES CONTINUED:
 5. MINIMIZE EDGE CHIPPING.
 6. CYLINDRICAL RADIUS TO BE ADDED TO SURFACE 'S1'.
 7. PRISM NOT TO BE USED FOR OPTICAL PURPOSES.
 8. INSPECTION POLISH ALL FACES EXCEPT SURFACE 'S1'. SURFACE 'S1' TO BE 20 TO 50 μINCH Rq, WITH A FINEGRIND, MINIMAL CHIP APPEARANCE.
 9. STRADDLE ϕ WITHIN .004 INCHES (0.1mm) T.I.R. (TOTAL INDICATED RUNOUT) FEATURE 'A'.
 10. IDENTICAL GROOVES TO LOCATE AND SEPARATE TWO SPRING STEEL WIRES.
 11. USE LASER ABLATION TO CREATE GROOVES. A HIGH SURFACE QUALITY FINISH IS REQUIRED ON THE INTERNAL SURFACES OF THE GROOVES AND IN THE GENERAL VICINITY OF THE GROOVES. DISCUSS BEST EFFORTS WITH LIGO STAFF.

REV.	DATE	DCN #	DRAWING TREE #
v1	02 FEB 2009	RFI USE ONLY	E080191
v2	20 FEB 2009	E0900024	E080191
v3	31 MAR 2009	E0900099	E080191
v4	23 JUN 2010	E1000231	E080191
v5	10 JAN 2011	E1100029	E080191
v6	14 DEC 2011	E1101195	E080191



NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)	
DIMENSIONS ARE IN INCHES [MM]	
TOLERANCES: .XX ± .01 .XXX ± .005 ANGULAR ± 1.0°	
1. INTERPRET DRAWING PER ASME Y14.5-1994. 2. DO NOT SCALE FROM DRAWING. 3. REMOVE ALL SHARP EDGES. 4. ALL MACHINING FLUIDS MUST BE FULLY SYNTHETIC, FULLY WATER SOLUBLE AND FREE OF SULFUR, SILICONE, AND CHLORINE.	
MATERIAL	FINISH
SAPPHIRE	INSPECTION POLISH (SEE NOTE 8)

CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		PART NAME PRISM BREAKOFF, LOWER WIRE, OPTIC, HLTS	
SYSTEM	SUB-SYSTEM	DESIGNER	DATE
ADVANCED LIGO	SUS	C. TORRIE	11 DEC 2008
CHECKER	APPROVAL	D. BRIDGES	03 OCT 2011
J. ROMIE	04 OCT 2011	SIZE	DWG. NO.
		B	D070441
NEXT ASSY		SCALE	PROJECTION
MULTIPLE ASSYS		4:1	AS
		SHEET 1 OF 2	

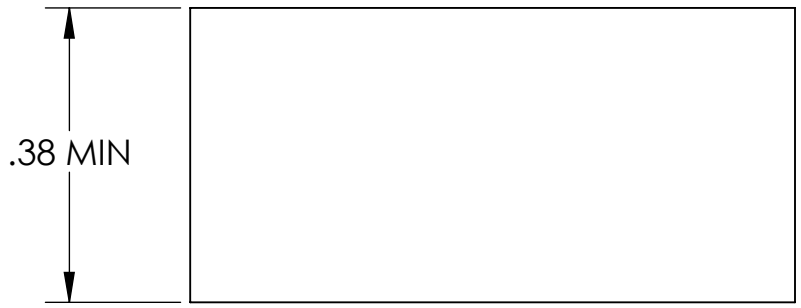
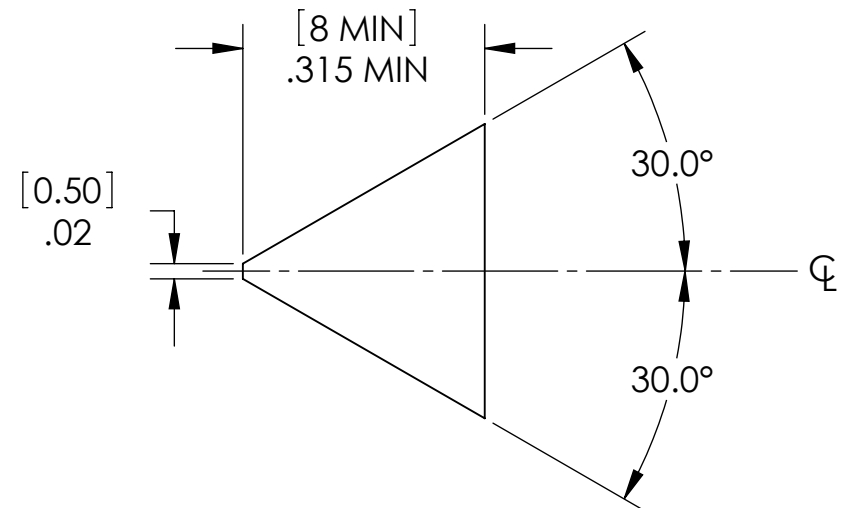
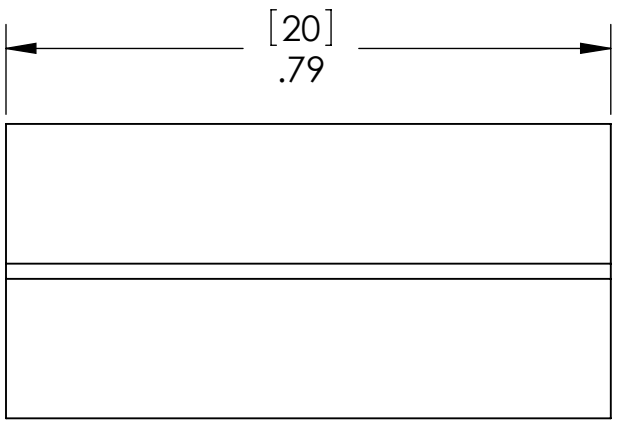
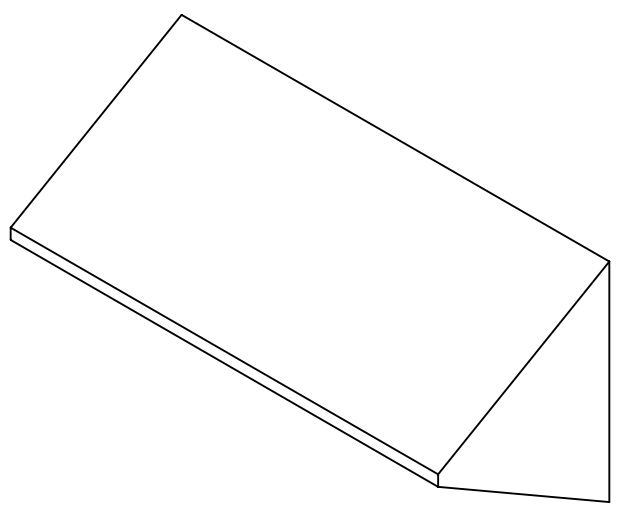
D070441_ADLIGO SUS RM_PRISM_BREAKOFF_WIRE LOOP_TEST MASS, PART PDM REV: V3-003, DRAWING PDM REV: V3-008

D070441_ADLIGO SUS RM_PRISM_BREAKOFF_WIRE LOOP_TEST MASS, PART PDM REV: V3-003, DRAWING PDM REV: V3-008


8 7 6 5 4 3 2 1

D
C
B
A

D
C
B
A



ALL VIEWS ARE PRIOR TO CYLINDRICAL RADIUS,
CHAMFERS AND WIRE GROOVES.

 CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY	
SIZE B	DWG. NO. D070441
SCALE: 4:1	PROJECTION:  SHEET 2 OF 2
REV. v6	

8 7 6 5 4 3 2 1