NOTES CONTINUED:

Ⓢ 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: DXXXXXXX-VY, TYPE-XX, S/N XXX

6. MACHINE ALL SURFACES TO REMOVE OXIDES AND MILL FINISH, USE OF ABRASIVE REMOVAL TECHNIQUES IS NOT ALLOWED. REFER TO LIGO SPECIFICATION E0900364

7. ALL PARTS SHALL BE MANUFACTURED IN ACCORDANCE WITH LIGO SPECIFICATION E0900364

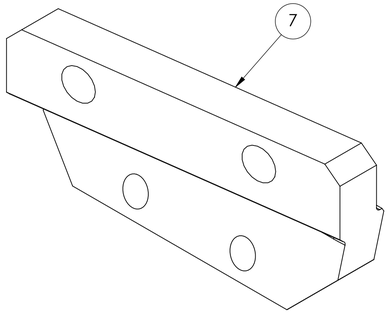
8. ALL MATERIAL IS TO BE VIRGIN MATERIAL (i.e. NO WELD REPAIRS, PLUGS OR RECYCLED MATERIAL). NO REPAIRS SHALL BE MADE UNLESS APPROVED IN ADVANCE, AND IN WRITING, BY LIGO LABORATORY. REFER TO LIGO SPECIFICATION E0900364

Ⓥ. THIS DRAWING CONTAINS MINIMALLY DIMENSIONED PARTS.
-FOR COMPLET DIMENSIONAL DATA REFER TO THE PART PDM VERSION CAD FILE INDICATED ON THE BOTTOM LEFT OF THIS DRAWING.
-DIMENSIONS NOT SHOWN ON THE DRAWIN CAN BE OBTAINED FROM THE CAD FILE AND SHOULD BE INTERPRETED AS BASIC DIMENSIONS WITH THE FOLLOWING TOLERANCES

⌓ .005 A B

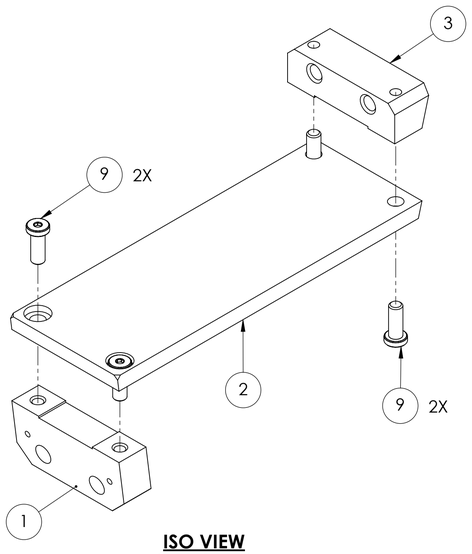
REV.	DATE	DCN #	DRAWING TREE #
v1	13 DEC 2023	E2300460-x0	-
-	-	-	-
-	-	-	-

D2300446-BL



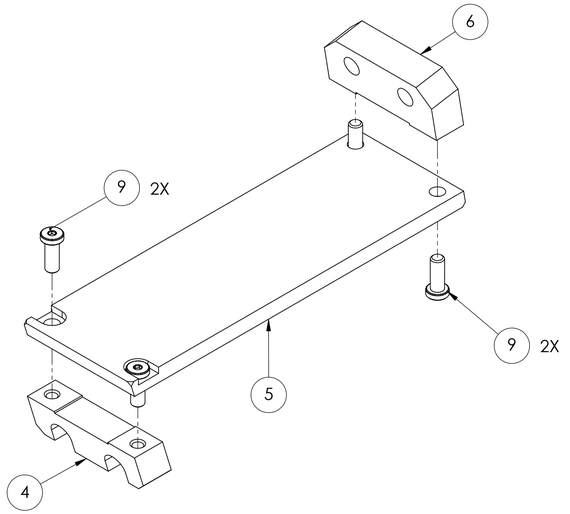
ISO VIEW
(ASSEMBLED)

D2300446-UL



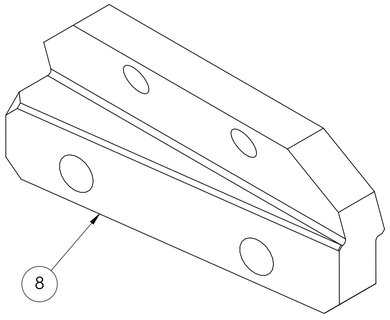
ISO VIEW
(EXPLODED)

D2300446-BR

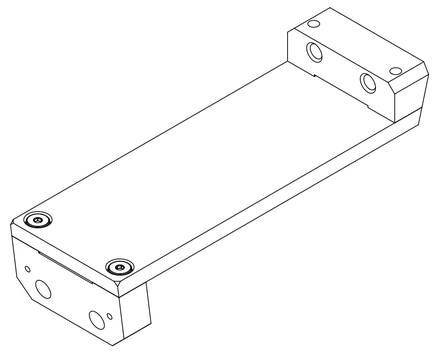


ISO VIEW
(EXPLODED)

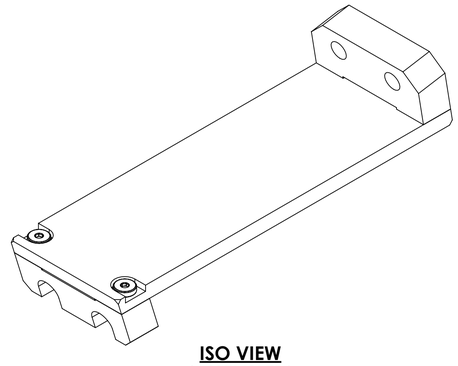
D2300446-UR



ISO VIEW
(ASSEMBLED)



ISO VIEW
(ASSEMBLED)



ISO VIEW
(ASSEMBLED)

APPLICATION BLOCK	
PART NO.	**'WHERE USED"**
D2300446-BL (TYPE -07)	D1000774, BOTTOM LEFT
D2300446-UR (TYPE -08)	D1000774, UPPER RIGHT
D2300446-UL	D1000774, UPPER LEFT
D2300446-BR	D1000774, BOTTOM RIGHT

ITEMS 4-6 USED ON D2300446-BR

ITEMS 1-3 USED ON D2300446-UL

ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	QTY./ UL CONFIG.	QTY./ BR CONFIG.	QTY./ BL CONFIG.	QTY./ UR CONFIG.
9	90666A013 McMASTER-CARR OR EQ.	SCREW, SHC, 10-32 X .50 LG. (LOW PROFILE HD)	AISI 316 Annealed Stainless Steel Bar (SS)	4	4	-	-
8	D2300446-08	Mode Cleaner Tube Baffle, Mount Standoff Spacer KIT, TYPE 08	6061-T6 Al	-	-	-	1
7	D2300446-07	Mode Cleaner Tube Baffle, Mount Standoff Spacer KIT, TYPE 07	6061-T6 Al	-	-	1	-
6	D2300446-06	Mode Cleaner Tube Baffle, Mount Standoff Spacer KIT, TYPE 06	6061-T6 Al	-	1	-	-
5	D2300446-05	Mode Cleaner Tube Baffle, Mount Standoff Spacer KIT, TYPE 05	6061-T6 Al	-	1	-	-
4	D2300446-04	Mode Cleaner Tube Baffle, Mount Standoff Spacer KIT, TYPE 04	6061-T6 Al	-	1	-	-
3	D2300446-03	Mode Cleaner Tube Baffle, Mount Standoff Spacer KIT, TYPE 03	6061-T6 Al	1	-	-	-
2	D2300446-02	Mode Cleaner Tube Baffle, Mount Standoff Spacer KIT, TYPE 02	6061-T6 Al	1	-	-	-
1	D2300446-01	Mode Cleaner Tube Baffle, Mount Standoff Spacer KIT, TYPE 01	6061-T6 Al	1	-	-	-

PARTS LIST

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)

DIMENSIONS ARE IN INCHES

TOLERANCES:
.XX ± .01
.XXX ± .005

ANGULAR ± 0.5°

1. INTERPRET DRAWING PER ASME Y14.5-1994.
2. REMOVE ALL SHARP EDGES, .005-.015. FOR MACHINED PARTS.
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 AS NOTED

FINISH 63 µinch

NEXT ASSY D1000774

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

SYSTEM ADVANCED LIGO

SUB-SYSTEM AOS

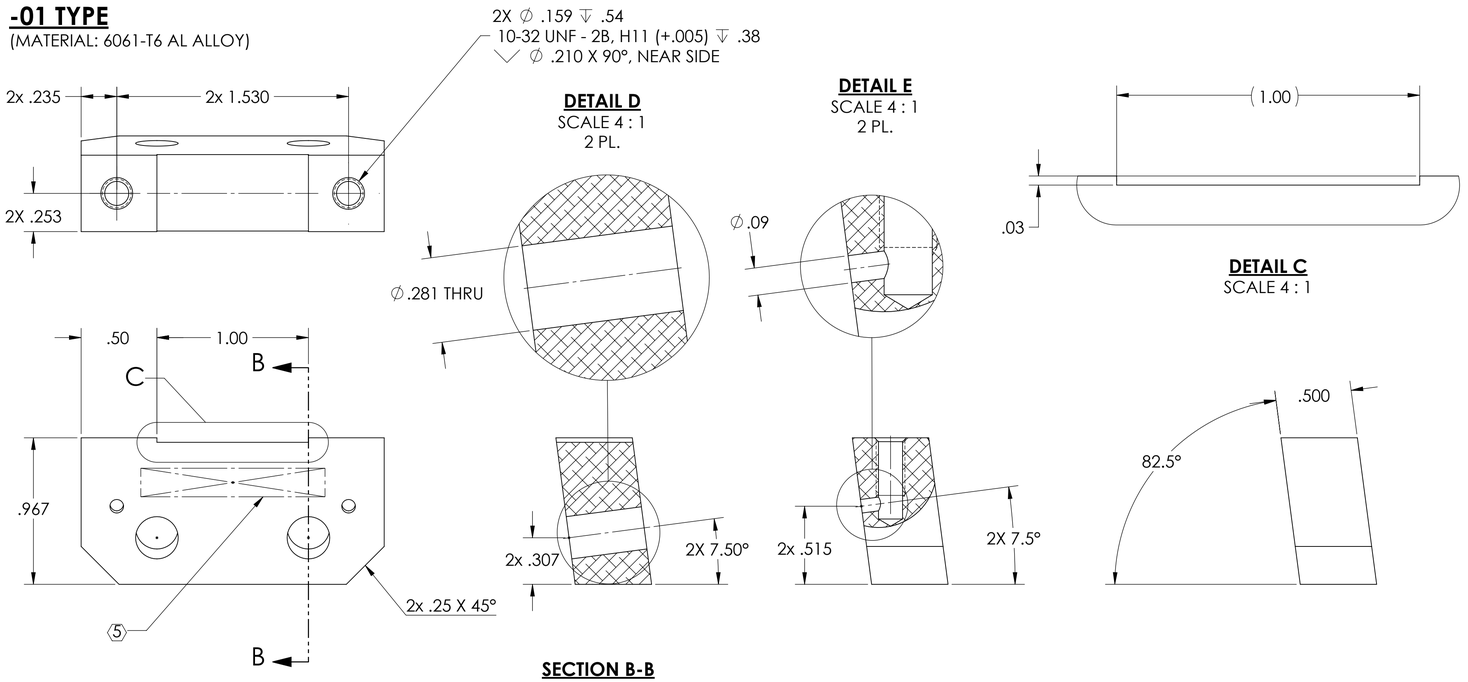
PART NAME Mode Cleaner Tube Baffle, Mount Standoff Spacer KIT (7.5 DEG. PITCH/YAW)

DESIGNER	E.SANCHEZ	13 DEC 2023	SIZE	DWG. NO.	REV.
DRAFTER	E.SANCHEZ	13 DEC 2023	D	D2300446	v1
CHECKER	SEE DCC	SEE DCC			
APPROVAL	SEE DCC	SEE DCC	SCALE: 1:1	PROJECTION:	SHEET 1 OF 4

PART PDM VERSION: y-001
DWG PDM VERSION: y-003
D2300446 Mode Cleaner Tube Baffle, Mount Standoff Spacer KIT

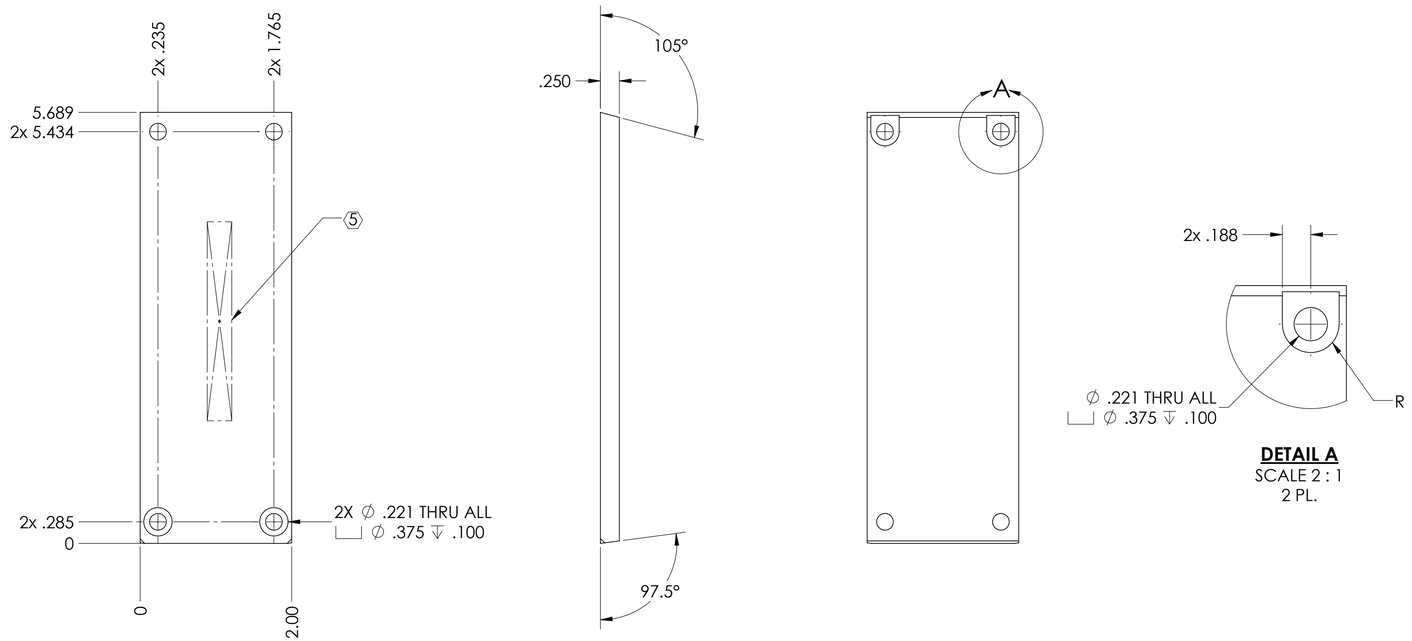
-01 TYPE

(MATERIAL: 6061-T6 AL ALLOY)



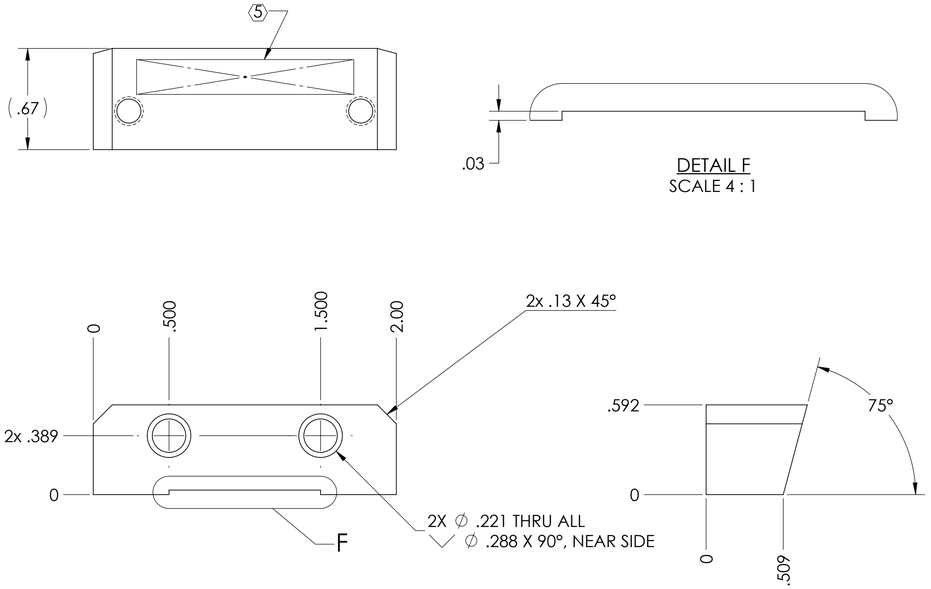
-02 TYPE

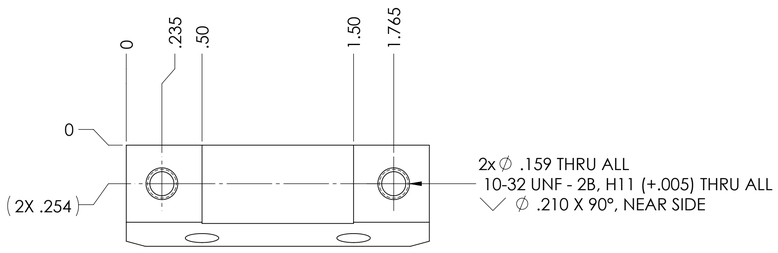
(MATERIAL: 6061-T6 AL ALLOY)



-03 TYPE

(MATERIAL: 6061-T6 AL ALLOY)





CALIFORNIA INSTITUTE OF TECHNOLOGY
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

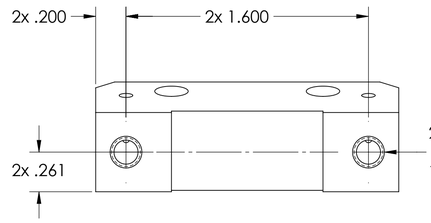
SIZE	DWG. NO.	REV.
D	D2300446	v1

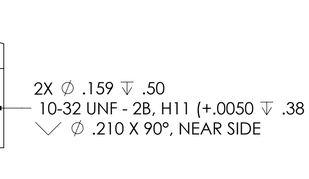
SCALE: 1:1 | PROJECTION: | SHEET 2 OF 4

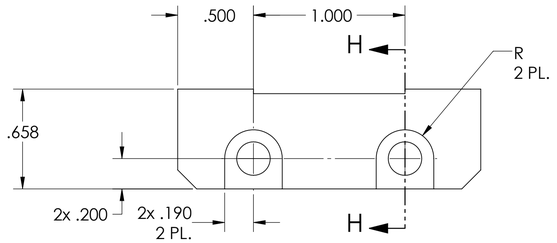
PART PDM VERSION: y-002
DWG PDM VERSION: y-003
D2300446 Mode Cleaner Tube Baffle, Mount Standoff Spacer KIT

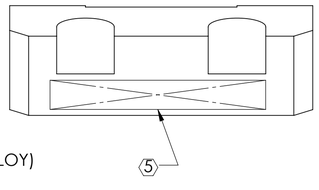
-04 TYPE

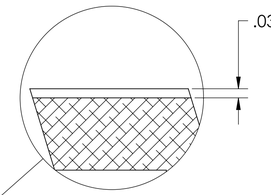
(MATERIAL: 6061-T6 AL ALLOY)



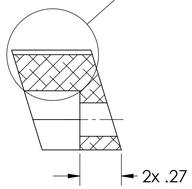




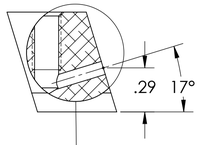


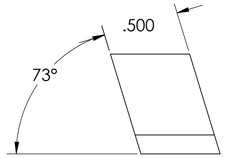


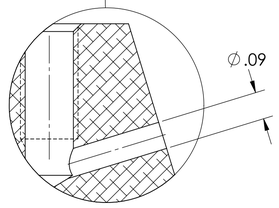
DETAIL J
SCALE 4 : 1



SECTION H-H
SCALE 2 : 1



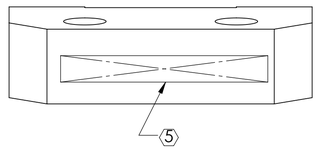




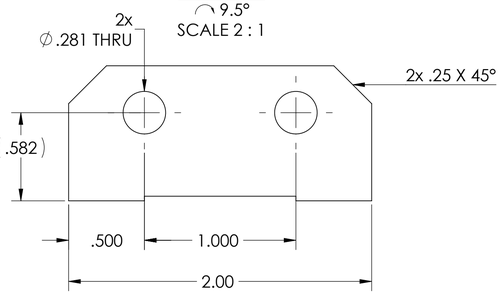
DETAIL K
SCALE 4 : 1

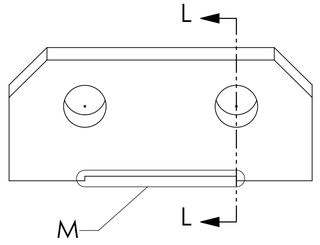
-06 TYPE

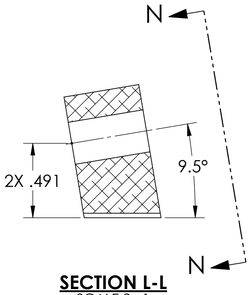
(MATERIAL: 6061-T6 AL ALLOY)



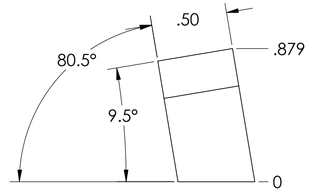
VIEW N-N
9.5°
SCALE 2 : 1





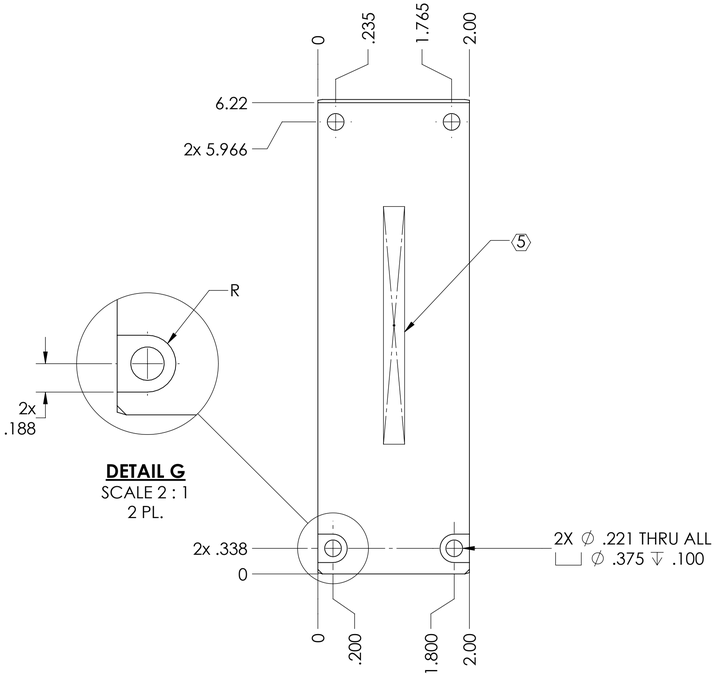


SECTION L-L
SCALE 2 : 1

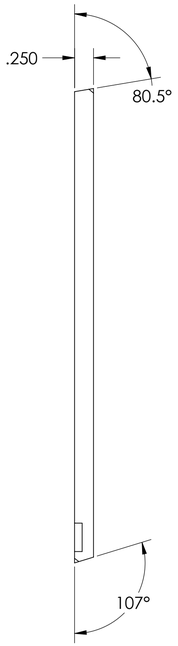


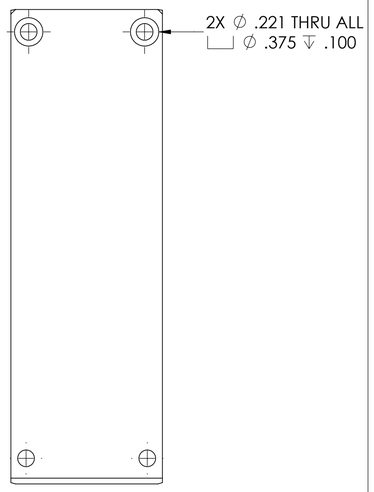
-05 TYPE

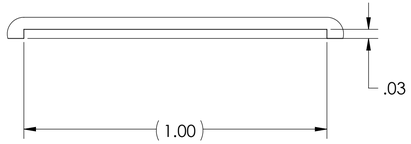
(MATERIAL: 6061-T6 AL ALLOY)



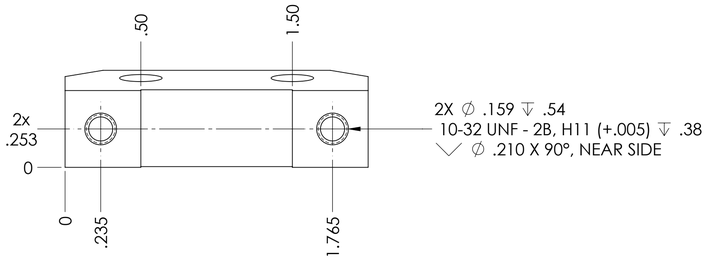
DETAIL G
SCALE 2 : 1
2 PL.







DETAIL M
SCALE 4 : 1



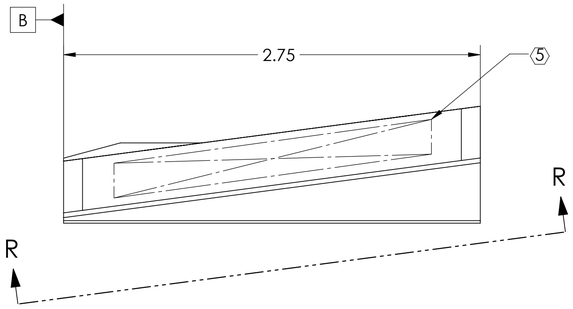
LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

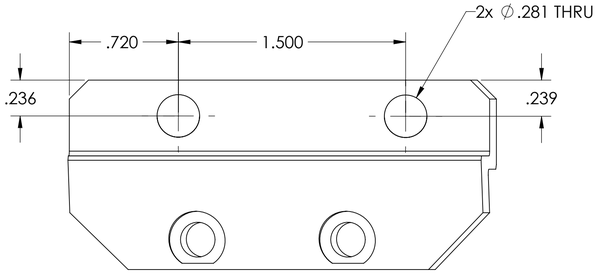
SIZE	DWG. NO.	REV.
D	D2300446	v1
SCALE: 1:1	PROJECTION:	SHEET 3 OF 4

PART PDM VERSION: y-001
DWG PDM VERSION: v-003
D2300446 Mode Cleaner Tube Baffle, Mount Standoff Spacer KIT

-07 TYPE ⟨9⟩

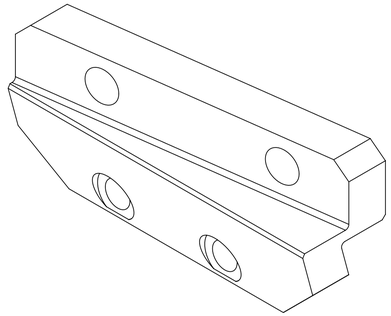
(MATERIAL: 6061-T6 AL ALLOY)



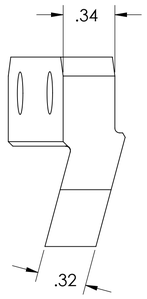


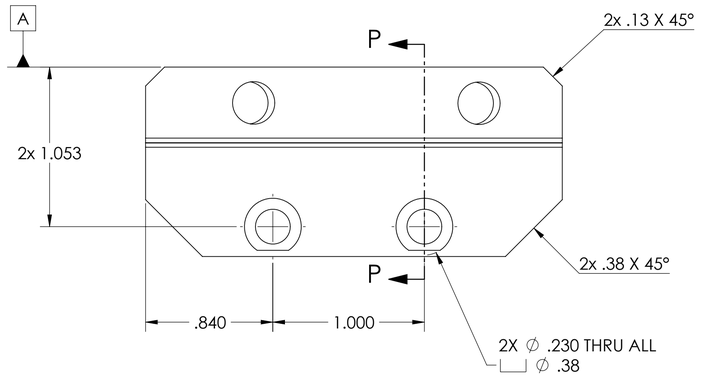
VIEW R-R

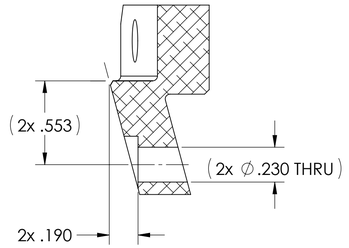
◠ 7.5°



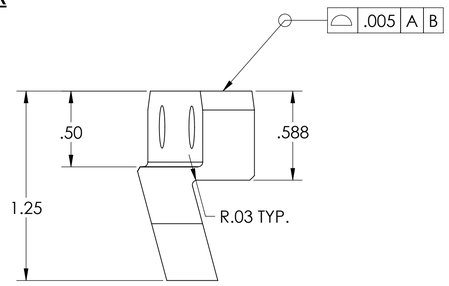
ISO VIEW





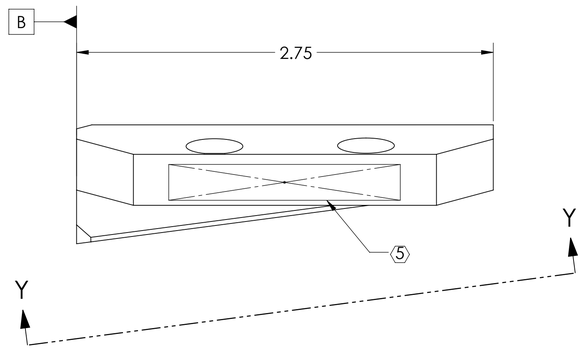


SECTION P-P



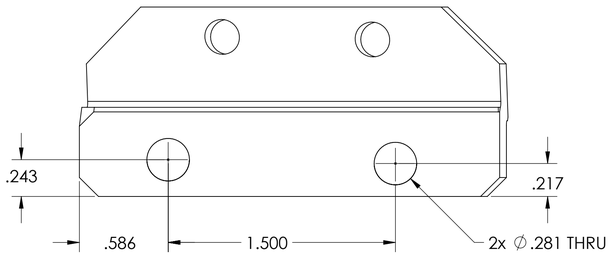
-08 TYPE ⟨9⟩

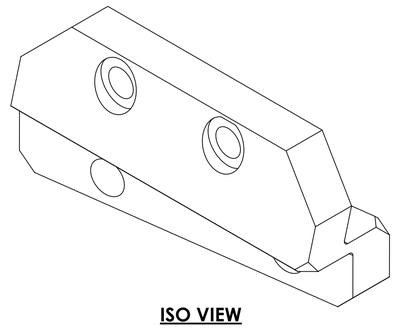
(MATERIAL: 6061-T6 AL ALLOY)



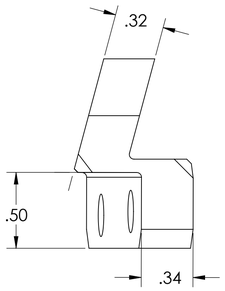
VIEW Y-Y

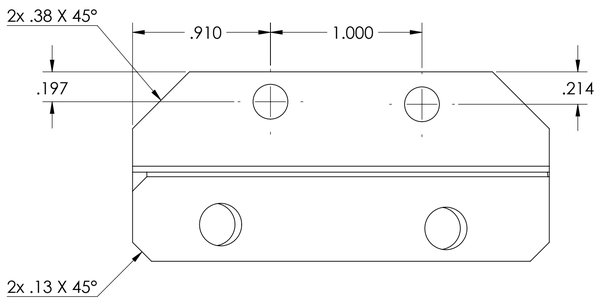
◠ 7.5°

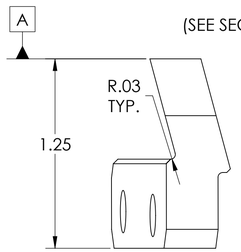


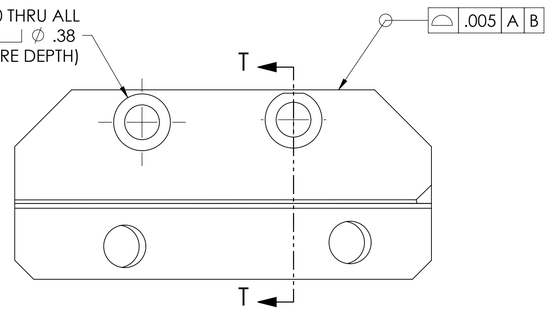


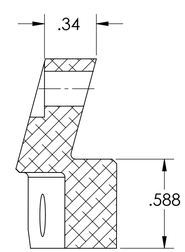
ISO VIEW











SECTION T-T

LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY

SIZE	DWG. NO.	REV.
D	D2300446	v1

SCALE: 2:1 PROJECTION: SHEET 4 OF 4

PART PDM VERSION: y-001
DWG PDM VERSION: y-003
D2300446 Mode Cleaner Tube Baffle, Mount Standoff Spacer Kit