

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 = 4.687 LB.

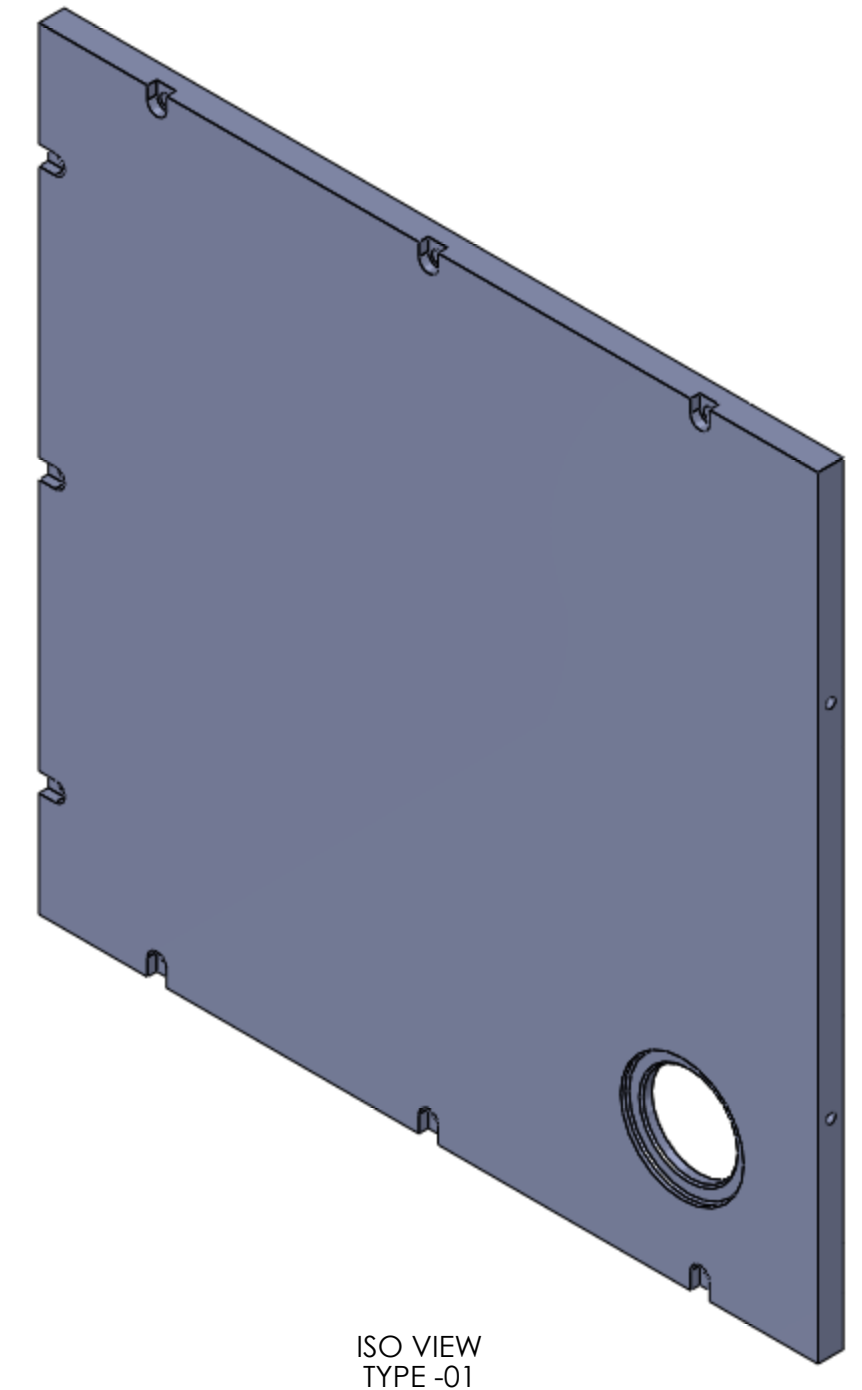
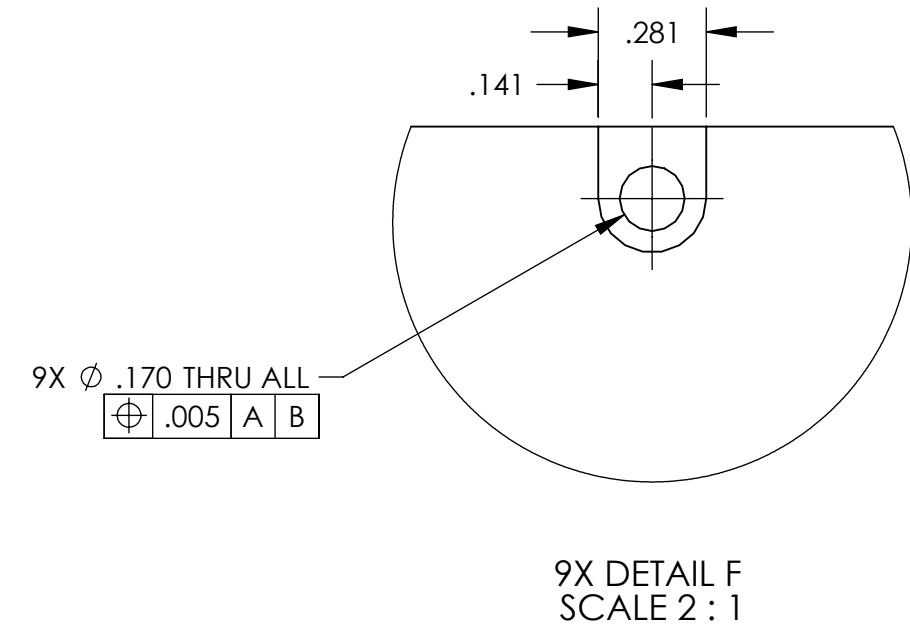
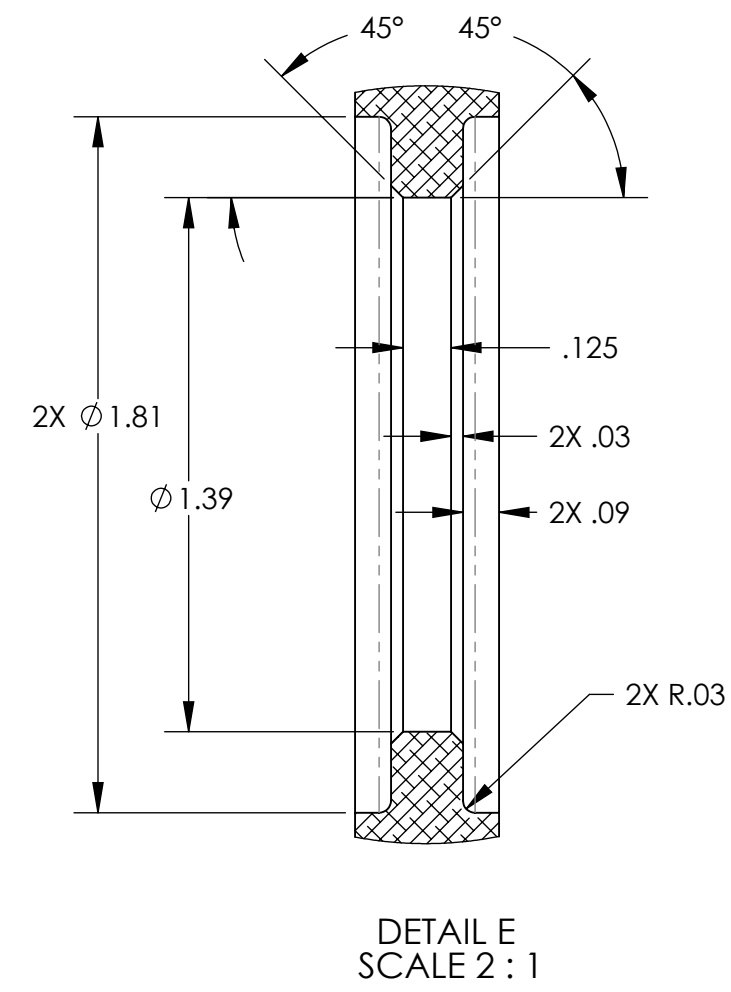
7. MACHINE ALL SURFACES TO REMOVE OXIDES AND MILL FINISH. USE OF ABRASIVE REMOVAL TECHNIQUES IS NOT ALLOWED. REFER TO LIGO-E0900364

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

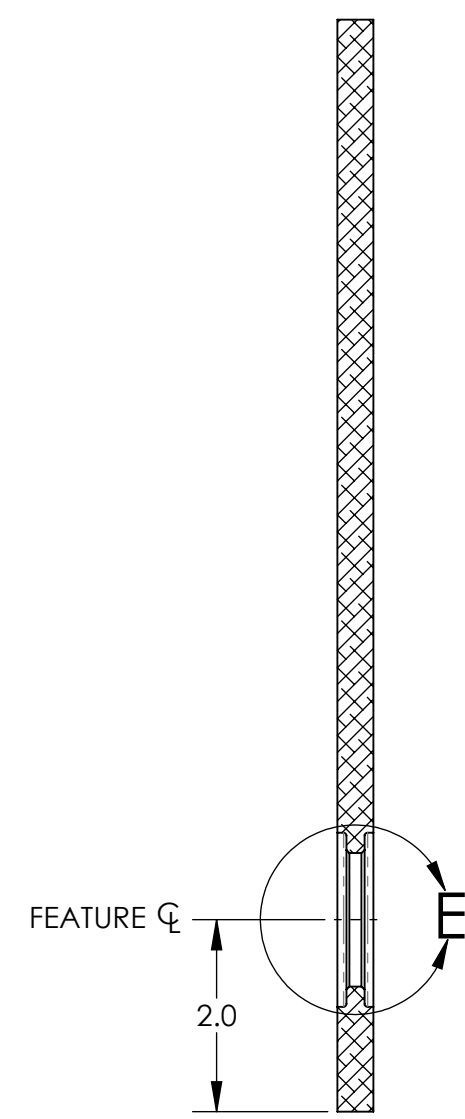
9. ALL MATERIAL IS TO BE VIRGIN MATERIAL (i.e. NO WELD REPAIRS, PLUGS OR RECYCLED MATERIAL). NO REPAIRS SHALL BE MADE UNLESS APPROVED IN ADVANCE, AND IN WRITING, BY LIGO LABORATORY. REFER TO LIGO-E0900364.

TYPE (CONFIGURATION)	DESCRIPTION
-01	αLIGO, TCS, H2, X-ARM (SHOWN LEFT)
-02	αLIGO, TCS, H2, Y-ARM (MIRROR OF -01)

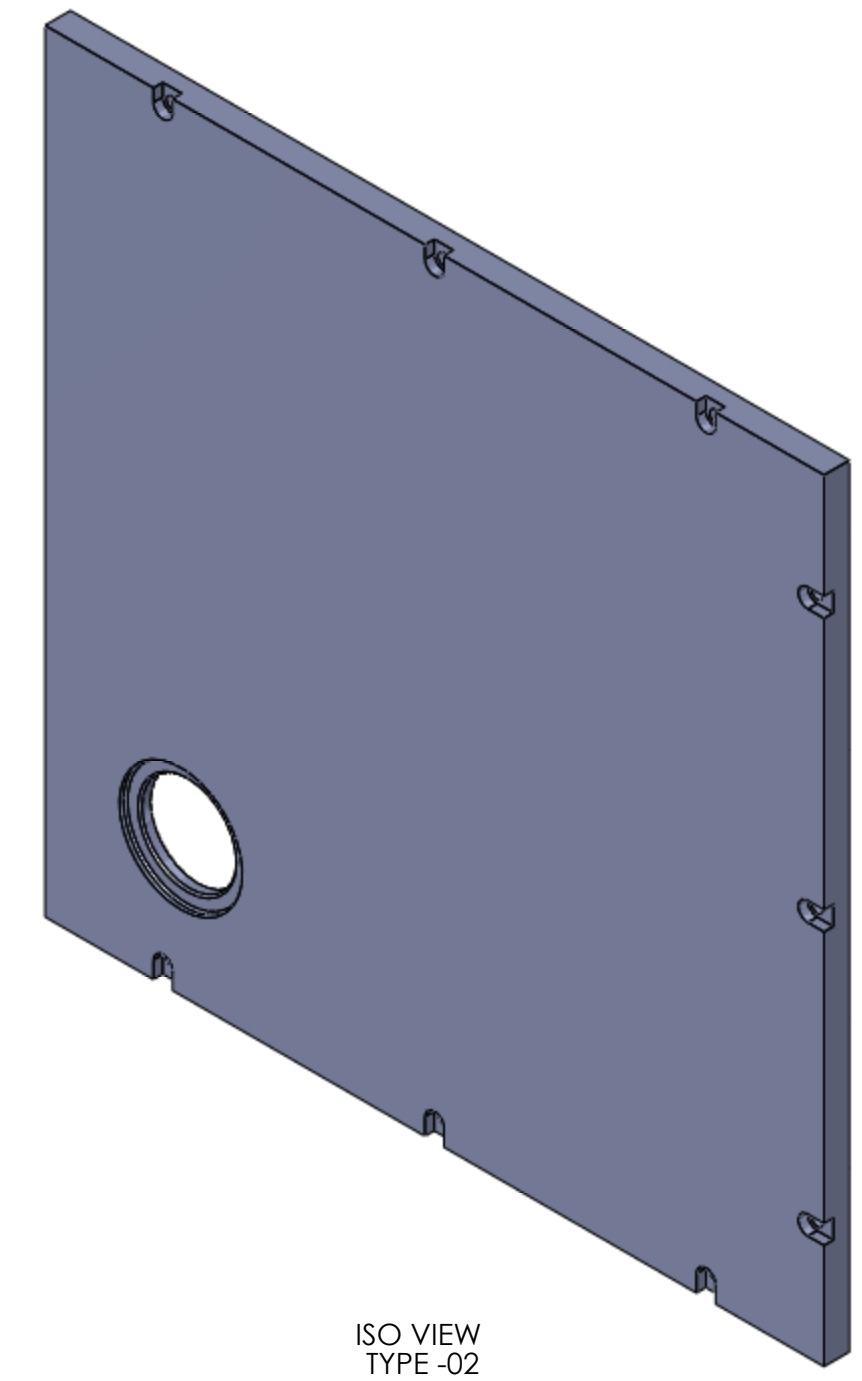
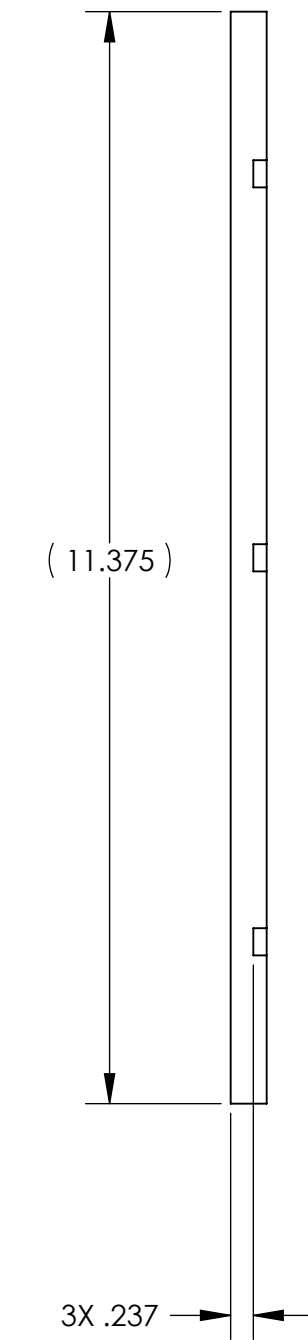
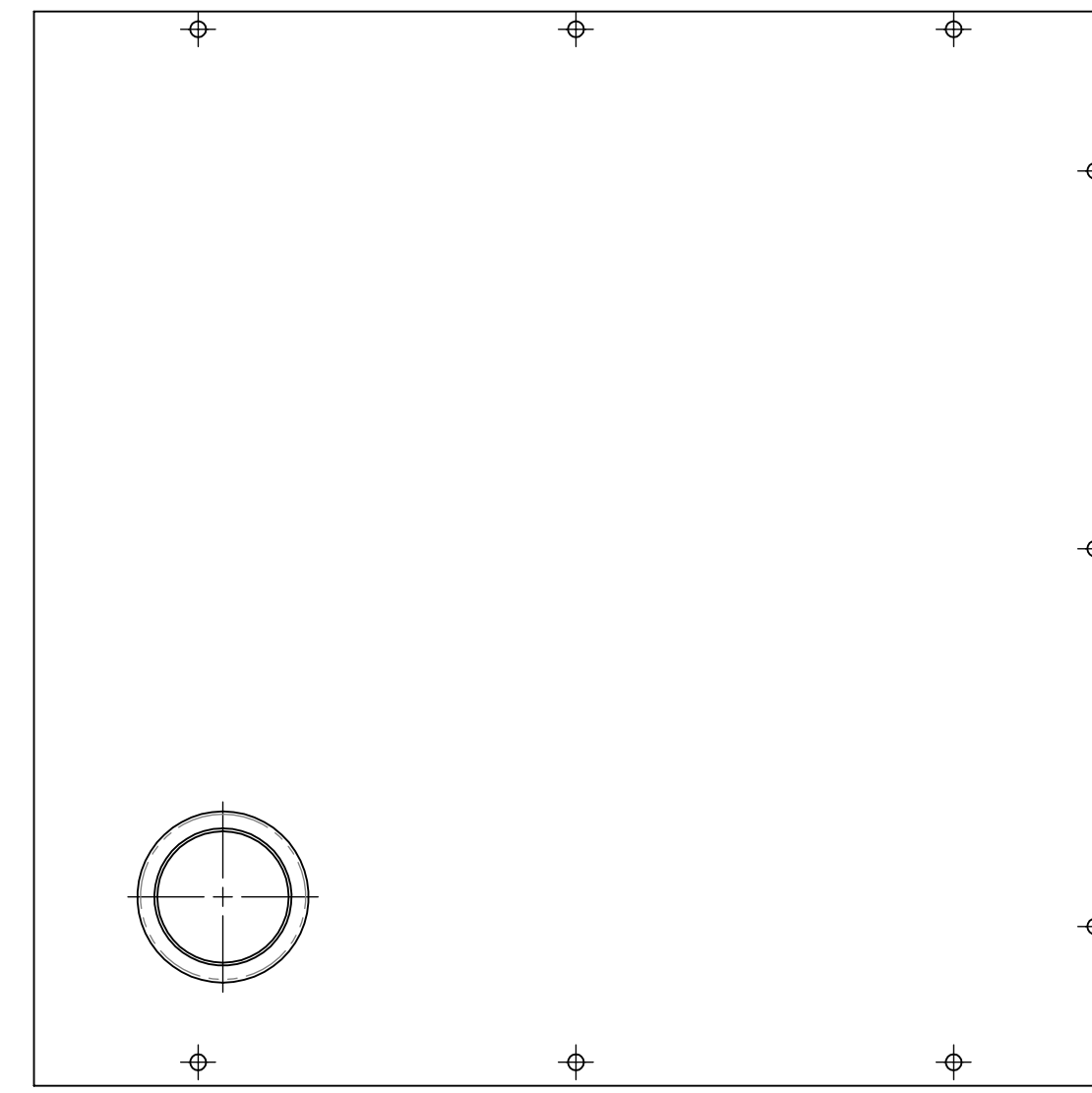
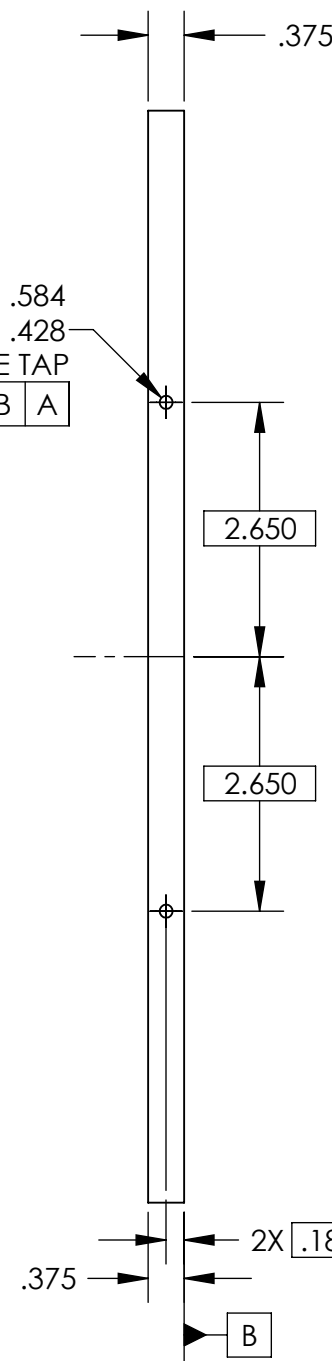
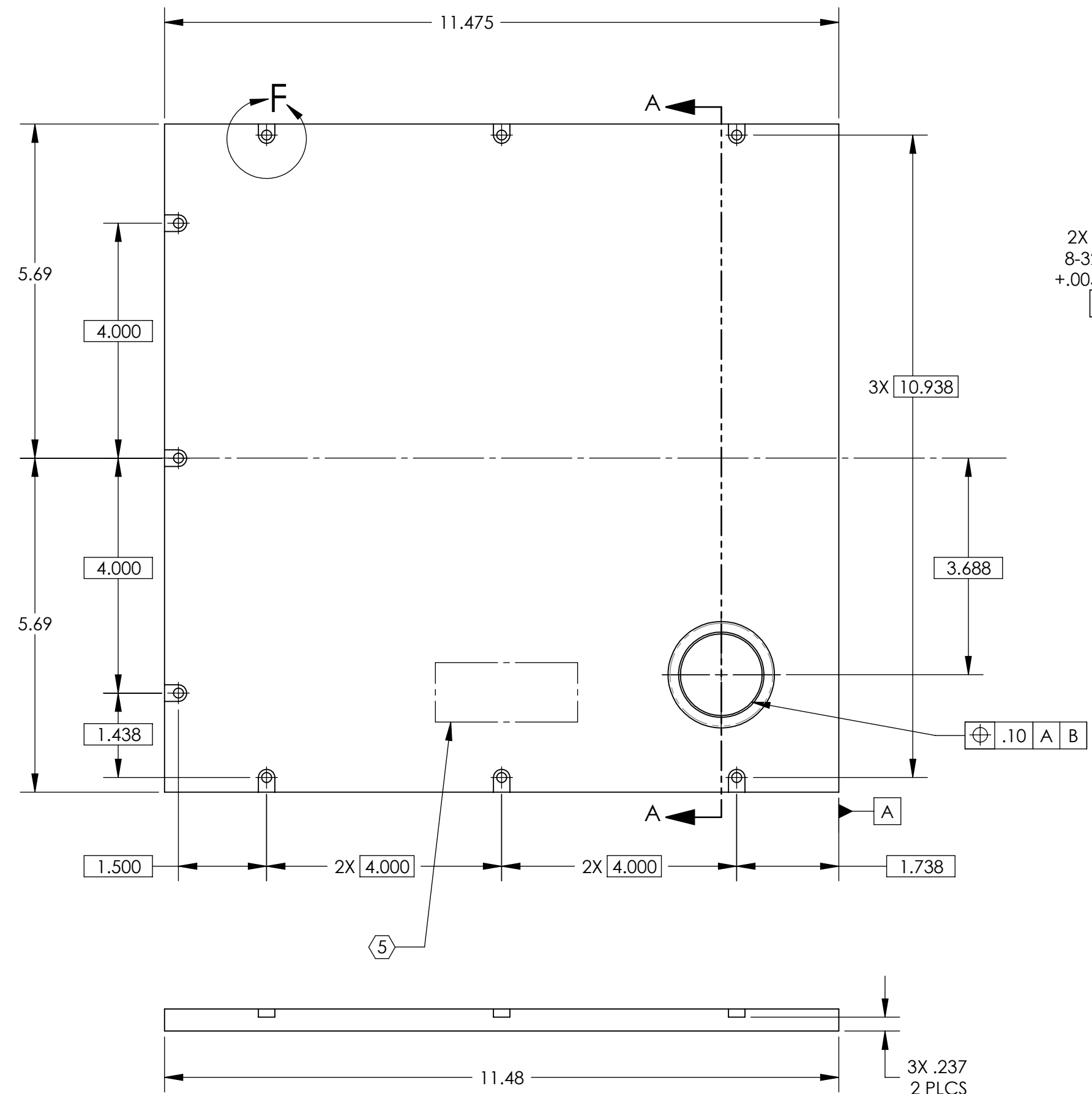
REV.	DATE	DCN #	DRAWING TREE #
v1	25 JUL 2011	E1100655-v1	E1100656-v1
-	-	-	-
-	-	-	-



ISO VIEW TYPE -01



SECTION A-A



ISO VIEW TYPE -02

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)				LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		PART NAME													
1. INTERPRET DRAWING PER ASME Y14.5-1994. 2. REMOVE ALL SHARP EDGES, .005-.015, FOR MACHINED PARTS. ROUND ALL EDGES APPROXIMATELY R.02 FOR SHEET METAL 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.				ADVANCED LIGO		AOS		SIDE OPTOMECH WALL, CO2P VP ENCLOSURE											
DIMENSIONS ARE IN INCHES TOLERANCES: .XX ± .01 .XXX ± .005 ANGULAR ± 1.0°				MATERIAL 6061-T6 Al		FINISH 63 μinch		SYSTEM D1003210		DESIGNER A. COLE		DATE 02 DEC 2010		SIZE D		DWG. NO. D1003213		REV. v1	
				CHECKER M. JACOBSON		APPROVAL P. WILLEMS		DATE 11 JUL 2011		SCALE 1:2		PROJECTION 		SHEET 1 OF 1					

D1003213_SIDE OPTOMECH WALL CO2P VP ENCLOSURE PART PDM REV. X-032 DRAWING PDM REV. X-013