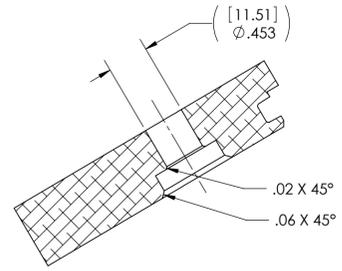
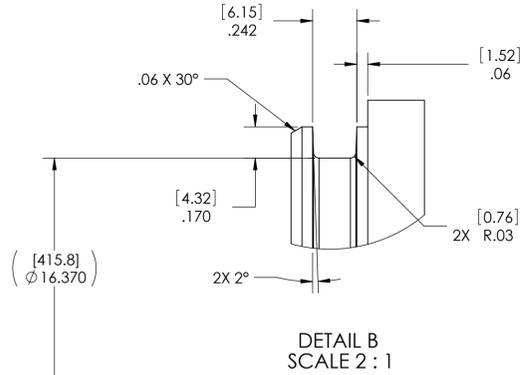


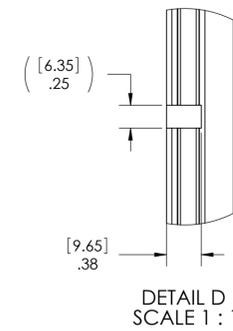
NOTES CONTINUED:
 ⑤ SCRIBE, ENGRAVE, OR MECHANICALLY STAMP (NO INKS OR DYES) DRAWING PART NUMBER AND REVISION ON NOTED SURFACE FOLLOWED ON THE NEXT LINE BY A THREE DIGIT SERIAL NUMBER. SERIAL NUMBERS START AT 001 FOR THE FIRST ARTICLE AND PROCEED CONSECUTIVELY. USE .07" HIGH CHARACTERS. EXAMPLE: DXXXXXX-VY, S/N 001. A VIBRATORY TOOL MAY BE USED.
 ⑥ SCRIBE, ENGRAVE, OR MECHANICALLY STAMP TEXT (NO INKS OR DYES) APPROX. WHERE SHOWN. LETTERING APPROX. .75 HIGH



SECTION C-C
SCALE 1:1
3X

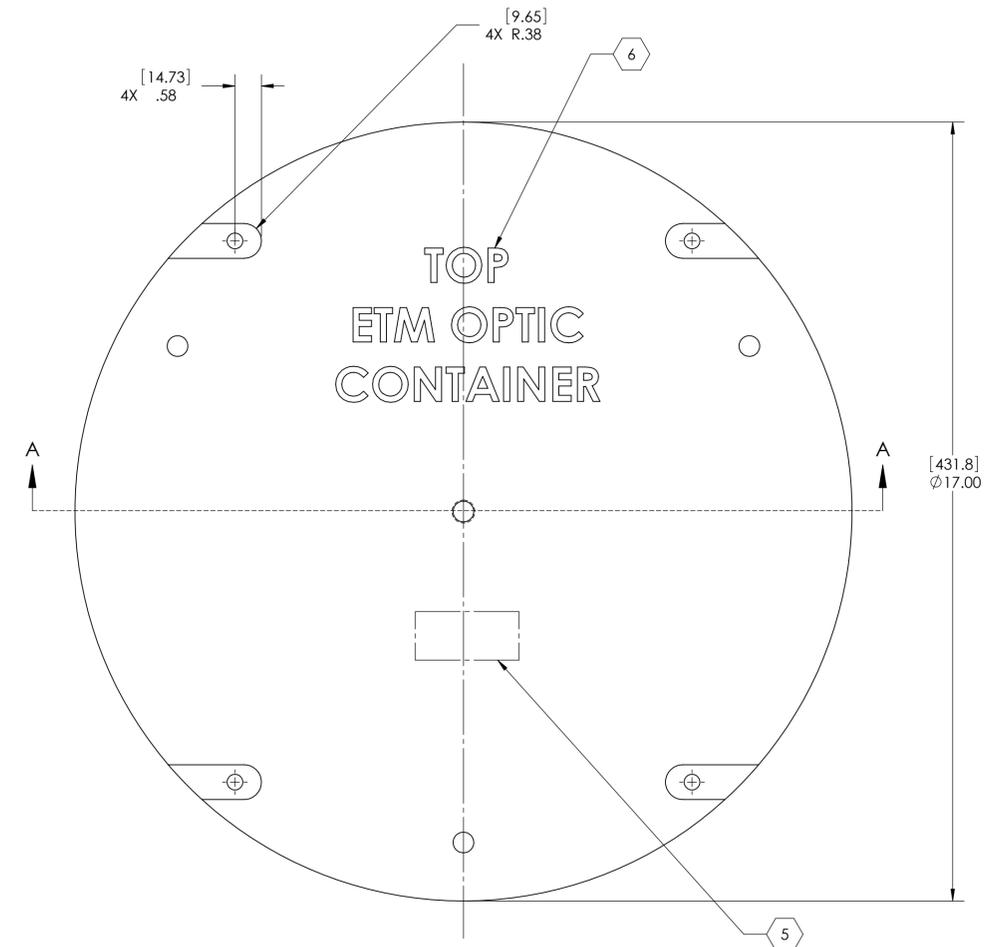
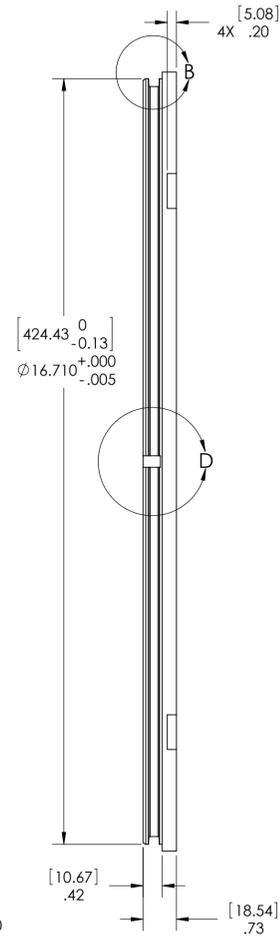
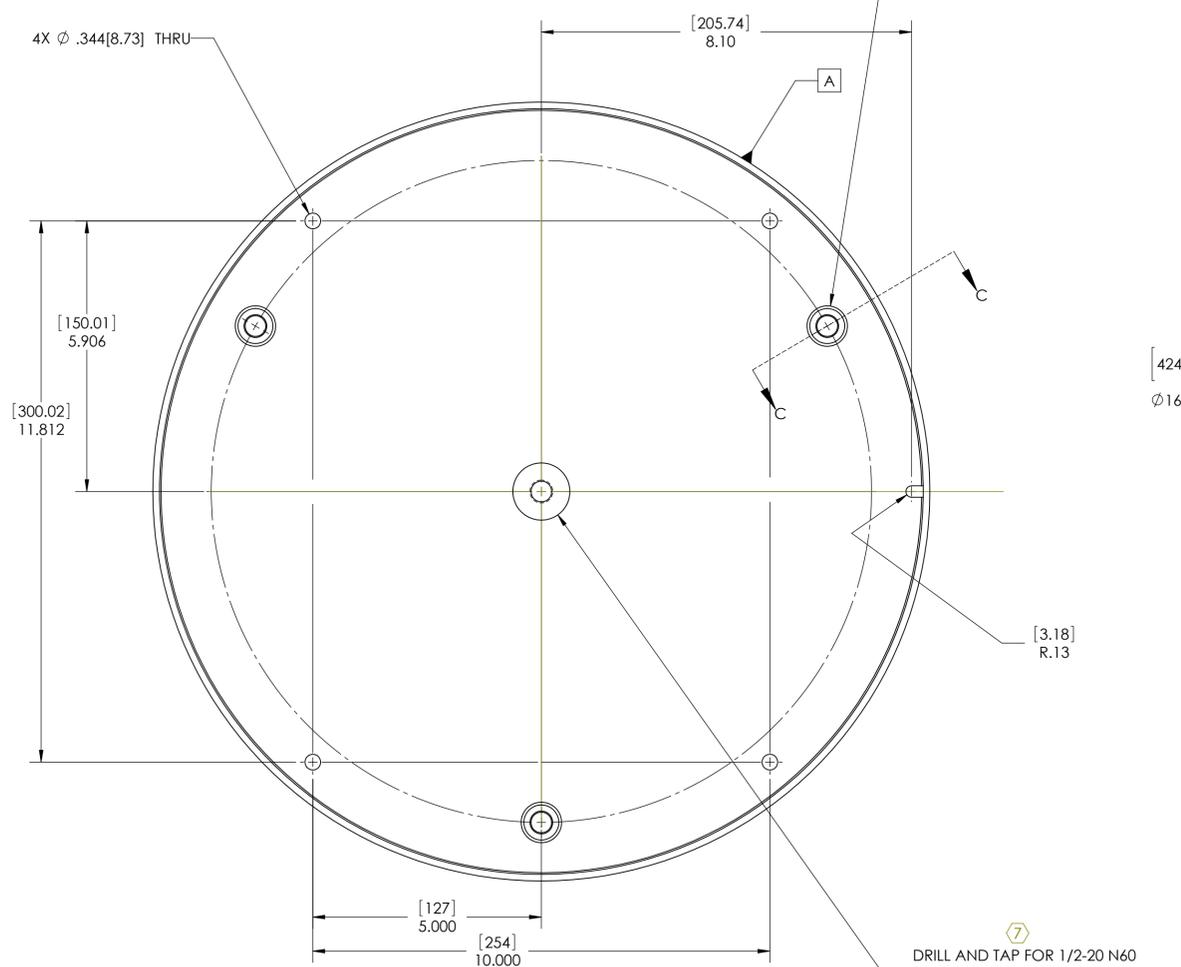


DETAIL B
SCALE 2:1

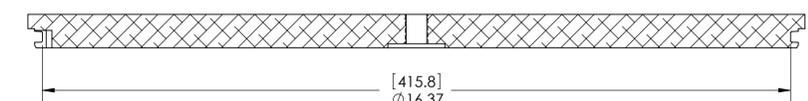


DETAIL D
SCALE 1:1

REV.	DATE	DCN #	DRAWING TREE #
v1	21 OCT 2009	E0900367	
v2	11 NOV 2009	E0900412	
v3	30 NOV 2009	E0900438	
v4	14 DEC 2009	E0900481	



TOP
ETM OPTIC
CONTAINER



SECTION A-A

⑦ HELICOIL INSTALLATION:
 A) DRILL PILOT HOLE FOR INSERT SPECIFIED ON THE DRAWING. REFERENCE HELI-COIL PRODUCT CATALOGUE, HC 2000
 B) COUNTERSINK HOLE FOR INSERT SPECIFIED ON THE DRAWING, REFERENCE HELI-COIL PRODUCT CATALOGUE, HC 2000
 C) TAP HOLE FOR INSERT SPECIFIED ON THE DRAWING. REFERENCE HELI-COIL PRODUCT CATALOGUE, HC 2000
 D) REMOVE ALL CHIPS
 E) GAGE THREADS WITH GAGE TOOL FOR INSERT SPECIFIED IN DRAWING, REFERENCE HELI-COIL PRODUCT CATALOGUE, HC 2000
 F) CLEAN THE HOLE, INSERTING TOOL AND HELI-COIL WITH SOAP AND WATER
 G) CLEAN THE HELI-COIL AND INSERT TOOL IN ACETONE (IF THE INSERT TOOL HAS ANY PLASTIC USE ISOPROPYL ALCOHOL INSTEAD OF ACETONE TO CLEAN THE INSERT TOOL)
 H) CLEAN THE HOLE WITH ACETONE AND A STAINLESS STEEL WIRE BRUSH
 I) RINSE THE HELI-COIL, INSERTING TOOL AND THE HOLE WITH DE-IONIZED WATER
 J) POWDER FREE LATEX GLOVES MUST BE WORN WHEN INSERTING THE HELI-COILS. (LATEX GLOVES FROM ANSELL EDMONT, ACCUTECH-ULTRA CLEAN 91-300)
 K) INSERT THE HELI-COIL WITH TOOL TO ¾ TO 1½ PITCH BELOW SURFACE
 L) BREAK OFF AND REMOVE TANG
 M) ONCE HELI-COILS HAVE BEEN INSERTED AND FINAL ASSEMBLY IS BEING CARRIED OUT, FOR EXAMPLE, INSERTING THE O-RINGS PLEASE KEEP THE ASSEMBLIES AS CLEAN AS POSSIBLE. I.E. FREE FROM OIL, GREASE, DIRT, AND CHIPS OR CONTACTING

⑦ DRILL AND TAP FOR 1/2-20 N60 HELICOIL INSERT #1191-8EN500
 [] Ø 1.250 ± .09

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)	
DIMENSIONS ARE IN INCHES [MM]	
TOLERANCES: .XX ± .01 .XXX ± .005	
ANGULAR ± .5°	
MATERIAL	FINISH
6061-T6 Al	63 µinch

LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY	
SYSTEM	SUB-SYSTEM
ADVANCED LIGO	COC
NEXT ASSY	
D0902001	

PART NAME			
TOP PLATE, ETM, COC OPTIC CONTAINER			
DESIGNER	K. BUCKLAND	29 SEPT 2009	SIZE DWG. NO.
DRAFTER	K. BUCKLAND	29 SEPT 2009	D
CHECKER	K. MAILAND	8 OCT 2009	D0902246
APPROVAL	C. TORRIE	8 OCT 2009	SCALE: 1:2 PROJECTION: SHEET 1 OF 1
REV.			v4