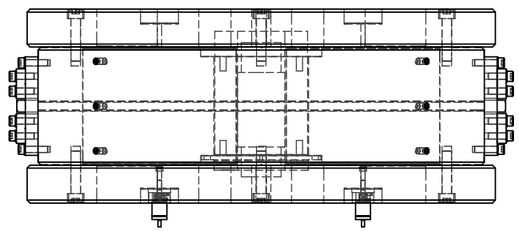
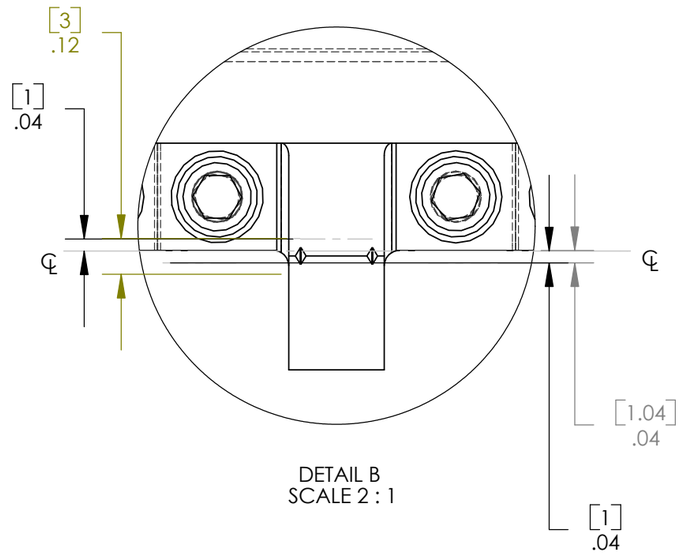
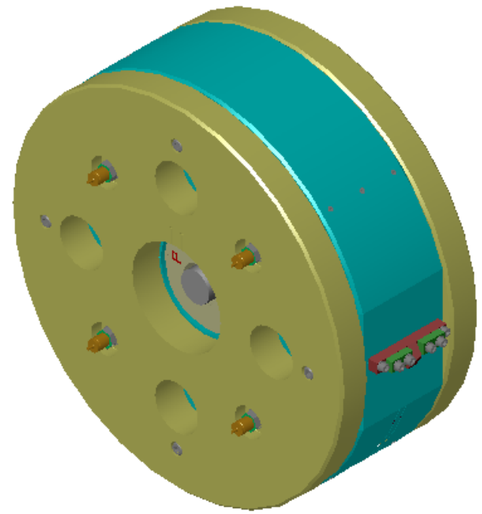
REV.	DATE	DCN #	DRAWING TREE #
A	FEB 17th 2006	E060057-00	E060059-A

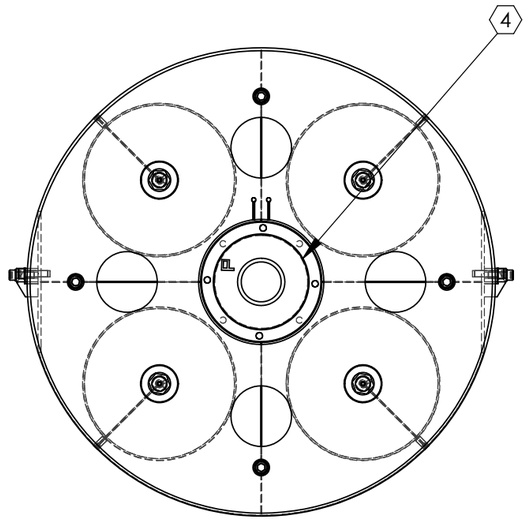


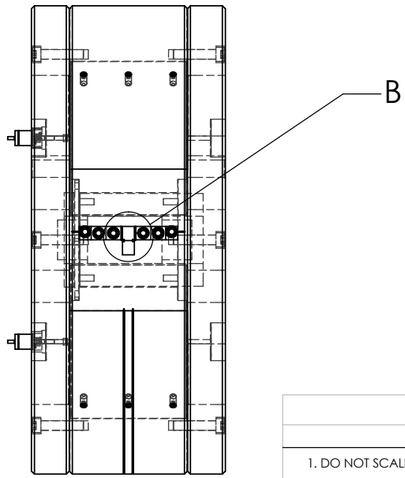


DETAIL B
SCALE 2 : 1



Mass = 39.4936 g





PARTS LIST

NOTES: (UNLESS OTHERWISE SPECIFIED)

1. DO NOT SCALE FROM DRAWING.
2. PLEASE REFERENCE TECHNICAL NOTE LIGO-T040013
3. PHYSICAL PROPERTIES
   (MUST BE UPDATED MANUALLY IF CHANGE IS MADE)
   ASSUMING DENSITY (kg/m^3) of 7900
   FOR "303/304 SSTL" AND 2700 FOR "6061-T6-Al".
   Mass = 38.426 (kg)
   Center of mass: (meters)
   X = 0.000; Y = 0.000; Z = 0.000
   Moments of inertia: (kilograms * square meters)
   Taken at the output coordinate system.
   Ixx = 0.470; Iyy = 0.276; Izz = 0.275

4 DEFAULT HAS NO ADDED MASS AS PER THE NOISE PROTOTYPE.

DIMENSIONS ARE IN INCHES

TOLERANCES:
.XX ± 0.01
.XXX ± 0.005

ANGULAR ± 0.5 °

MATERIAL --

FINISH --

	NAME	DATE
DRAWN	MPL	30JAN04
CHECKED		
APPROVED		

LIGO — CALIFORNIA INSTITUTE OF TECHNOLOGY
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
IGR, GLASGOW UNIVERSITY GEO 600 GROUP

SYSTEM ADVANCED LIGO

SUB-SYSTEM SUS

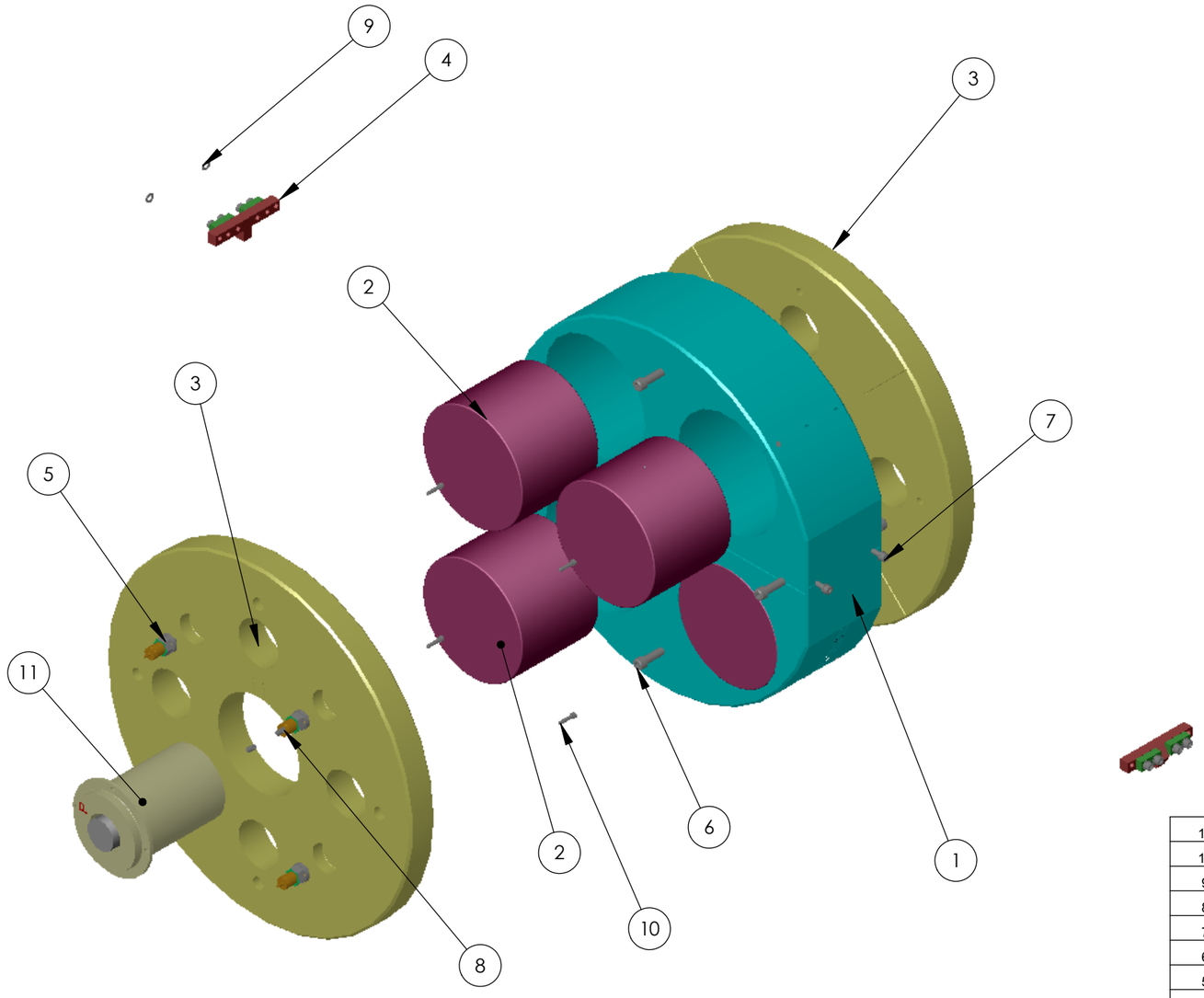
NEXT ASSY ETM C_PTYPE

PART NAME PENULTIMATE MASS ASSEMBLY

SIZE	DWG. NO.	REV.
B	D040132	A

SCALE: NTS PROJECTION: SHEET 1 OF 2

REV.	DATE	DCN #	DRAWING TREE #
A	FEB 17th 2006	E060057-00	E060059-A



ITEM NO	REQ.	SPARE	TOT.	PART NUMBER	DESCRIPTION	MATERIAL
11	1	1	2	D050338	ETM MAIN CHAIN MASS BUNG ASSEMBLY	--
10	4	4	8		SST SOCKET HEAD CAP SCREW #4-40 UNC-3A X 0.5 LONG	300 SSTL
9	4	4	8		FLAT WASHERS NAS 620-C8 (OR EQUIV.)	300 SSTL
8	12	12	24		SST SOCKET SET SCREW #8-32 X 0.375 LONG	300 SSTL
7	4	4	8		SST SOCKET HEAD CAP SCREW #8-32 UNC-3A X 0.625 LONG	300 SSTL
6	8	8	16		SST SOCKET HEAD CAP SCREW 0.25-20 UNC-3A X 1.125 LONG	300 SSTL
5	4	4	8	D040397	ASSEMBLY MAGNET FLAG & HEX SPACER	
4	2	2	4	D040421	TWO WIRE BREAK OFF ASSEMBLY PEN MASS	---
3	2	2	4	D040135	FACE PLATE, MAIN BODY PEN MASS	6061-T6-Al
2	4	4	8	D040037	INSERTS, MAIN BODY	303/304 SSTL
1	1	1	2	D040136	MAIN BODY PEN MASS	6061-T6-Al

PARTS LIST

NOTES: (UNLESS OTHERWISE SPECIFIED)

FOR NOTES PLEASE REFERENCE SHEET 1 OF 2

DIMENSIONS ARE IN INCHES

TOLERANCES:
.XX ± 0.01
.XXX ± 0.005

ANGULAR ± 0.5 °

MATERIAL --

FINISH --

	NAME	DATE
DRAWN	MPL	30JAN04
CHECKED		
APPROVED		

LIGO — CALIFORNIA INSTITUTE OF TECHNOLOGY, MASSACHUSETTS INSTITUTE OF TECHNOLOGY, IGR, GLASGOW UNIVERSITY GEO 600 GROUP

SYSTEM ADVANCED LIGO

SUB-SYSTEM SUS

NEXT ASSY ETM C_PTYPE

PART NAME PENULTIMATE MASS ASSEMBLY

SIZE B | **DWG. NO.** D040132 | **REV.** A

SCALE: NTS | **PROJECTION:** | SHEET 2 OF 2