

5

4

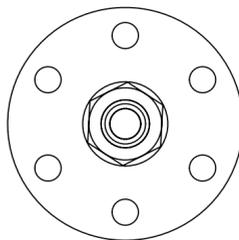
3

2

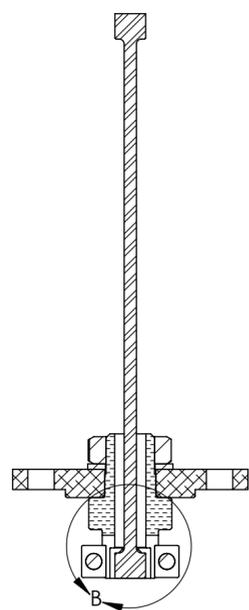
1

REVISION HISTORY				
REV	DATE	ECO	APPROVAL	DESCRIPTION
B	6/15/2007	1064	J. Waterman	Manufacturing Release
C	01/09/2008	-	A. STEIN	Removed upper-level parts. Added detail. Updated BOM.

D

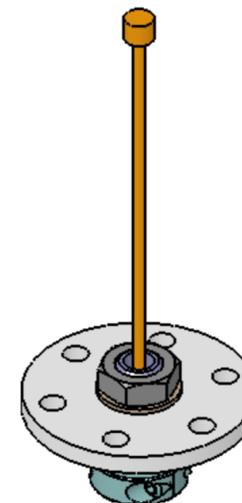
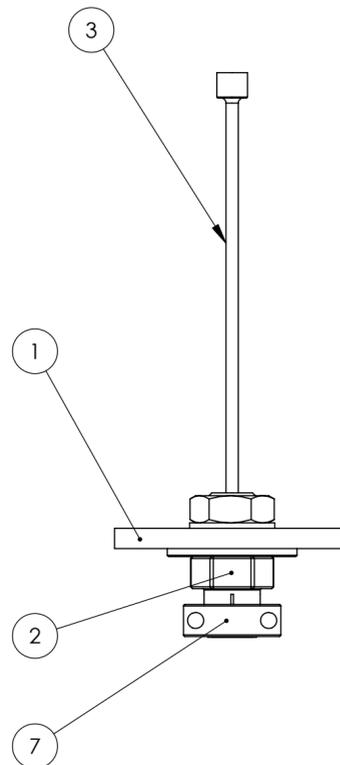
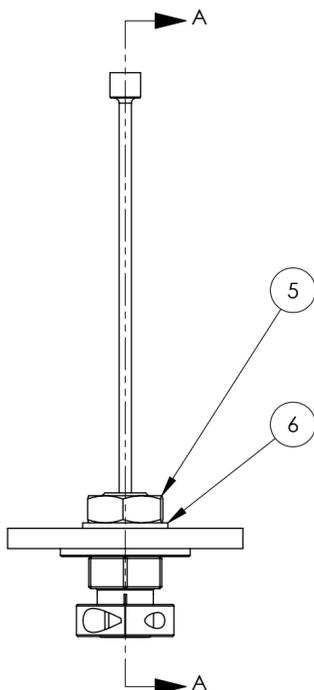


C

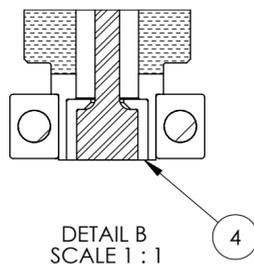


SECTION A-A

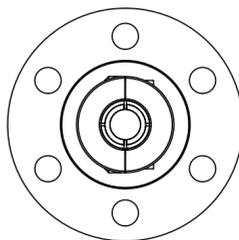
B



A



DETAIL B SCALE 1:1



NOTES:

- SEE E070154 (ADVANCED LIGO SINGLE STAGE HAM VIBRATION ISOLATION TABLE ASSEMBLY PROCEDURE) FOR ADDITIONAL ASSEMBLY NOTES AND REQUIREMENTS.
- FLEXURE IS FRAGILE: HANDLE WITH CARE.
- BEFORE ASSEMBLY, CHAMFER HEADS ON (2) 1/4"-28 SCREWS FOR SHAFT COLLAR. THIS IS TO AVOID INTERFERENCE WITH FLEXURE POST, LATER IN ASSEMBLY.
- MATCH EDGES OF FLEXURE CUPS WITH SLITS IN FLEXURE MOUNT.
- ENSURE FLEXURE IS FULLY SEATED IN FLEXURE CUPS AND FLEXURE MOUNT, BEFORE TIGHTENING SHAFT COLLAR.

BILL OF MATERIALS					
ITEM NO.	QTY/ASM	PART NUMBER	PART DESCRIPTION	CONFIG DESCRIPTION	MATERIAL
1	1	D071105	FLEXURE LOWER PLATE	-	6061-T6
2	1	D071103	FLEXURE MOUNT	-	17-4 PH H1150
3	1	D071102	FLEXURE	-	MARAGING 300
4	2	D071104	FLEXURE CUP	-	MARAGING 300
5	1	MCMMASTER 91847A550	HEX JAM NUT	3/4"-10	18-8 SS
6	1	MCMMASTER 98017A220	FLAT WASHER	.765"IDx1.312"OD	18-8 SS
7	1	MCMMASTER 9633T15	SHAFT COLLAR	3/4"IDx1.5"OD	316 SS

UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN INCHES
 DECIMAL TOLERANCES:
 .XX ±.015 .XXX ±.005
 ANG TOL: ± 1° SURFACE ROUGHNESS: 63
 INTERNAL AND EXTERNAL INTERSECTIONS SHALL BE UNIFORMLY FINISHED WITH A CHAMFER .005/.010 X 45° OR RADIUS .005/.010.
 CHAMFER ALL THREADED HOLES 110% OF MAJOR DIAMETER X 45°

High Precision Devices

1668 Valtec Lane, Suite C, Boulder, Colorado 80301
 Phone: (303) 447-2558 Fax: (303) 447-2548 Web Site: www.hpd-online.com

PRIOR P/N:	p06109-431-0
APPROVALS	DATE
ENGINEERING	J. Waterman 6/15/07
MANUFACTURING	
QUALITY	C. Danaher 6/15/07
MATL:	See BOM
FINISH:	See BOM

DESCRIPTION:	ASM, FLEXURE
P/N:	D071431
FILE NAME:	D071431-C Asm, Flexure
CONFIG DESC:	-

FOLDER:	
SIZE	SCALE: 1:2
DRAWN BY:	Jonas Waterman
REV	C
SHEET	1 OF 1
DATE PRINTED:	1/9/2008