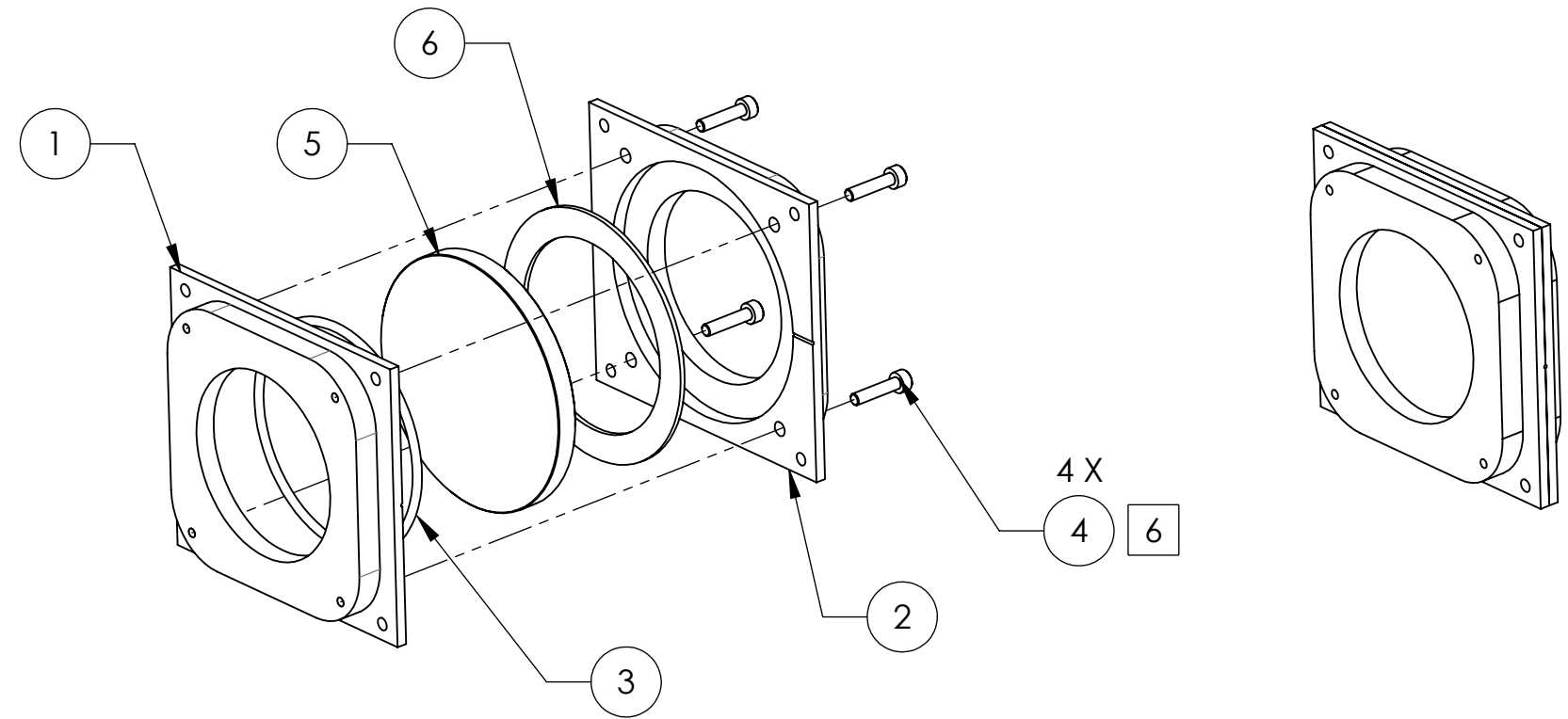
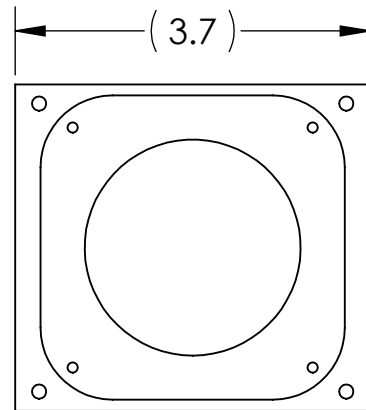
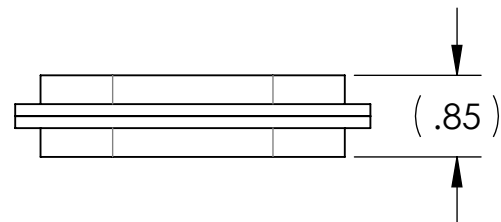
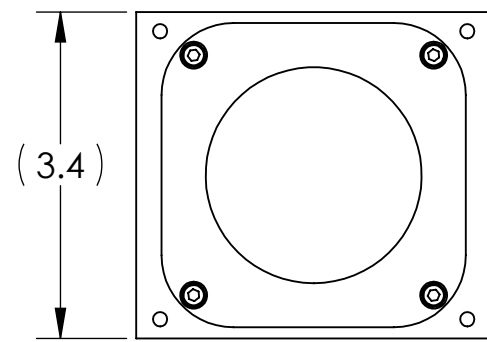


D1100494\_dLIGO TCS .25" Thick Optical Window Clam Shell Assy, PART PDM REV: X-026, DRAWING PDM REV: X-007

**NOTES CONTINUED:**  
 5 SCRIBE, ENGRAVE, LASER MARK OR MECHANICALLY STAMP (NO DYES OR INKS) A UNIQUE THREE DIGIT SERIAL NUMBER & REVISION NUMBER ON EACH PART. SERIAL NUMBERS START AT 001 FOR THE FIRST ARTICLE AND PROCEED CONSECUTIVELY. BAG AND TAG PARTS WITH THEIR DRAWING PART NUMBER, REVISION, VARIANT OR "TYPE" (IF APPLICABLE), AND QUANTITY. IF PARTS ARE TOO SMALL TO SCRIBE, BAGGING AND TAGGING ALONE IS SUFFICIENT.  
 EXAMPLE (PART): 001-v1  
 EXAMPLE (TAG): DXXXXXX-VY, TYPE-XX, QTY: TBD

REV.	DATE	DCN #	DRAWING TREE #
v2	26 JUL 2011	E1100655-v1	E1100656-v1
-	-	-	-
-	-	-	-

6 TORQUE TO 4.5 IN-LB



ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	Default/REQ	SPARE	TOTAL
6	D1100495	WASHER, CLAMP RING	Polyetherether ketone (PEEK)	1	1	2
5	D1100539	dLIGO TCS .25 IN THICK OPTICAL WINDOW	FUSED SILICA	1		1
4	C-610-N	SCREW, SOCKET HEAD CAP, #6-32 UNC-2A X 0.625 LONG, FULLY THREADED	18-8 SSSL	4	1	5
3	D080631	O-RING, 3 IN VIEWPORTS	VITON	1	1	2
2	D1100250	REAR MOUNTING PLATE, CO2P VP COVER	Al 6061	1		1
1	D1003208	MOUNTING PLATE, CO2P VP COVER	Al 6061	1		1

**PARTS LIST**

**NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)**  
 DIMENSIONS ARE IN INCHES  
 TOLERANCES:  
 .XX ± .01  
 .XXX ± .005  
 ANGULAR ± 1.0°  
 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.

**LIGO** CALIFORNIA INSTITUTE OF TECHNOLOGY  
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY  
 SYSTEM **ADVANCED LIGO** SUB-SYSTEM **AOS**  
 NEXT ASSY **D1003204**

**PART NAME**  
**OPTICAL WINDOW CLAM SHELL ASSY**  
 DESIGNER A. LANGLEY 3/16/2011  
 DRAFTER A. LANGLEY 16 MAR 2011  
 CHECKER M. JACOBSON 26 JUL 2011  
 APPROVAL P. WILLEMS 30 MAR 2011  
 SIZE **B** DWG. NO. **D1100494** REV. **v2**  
 SCALE: 1:2 PROJECTION: SHEET 1 OF 1