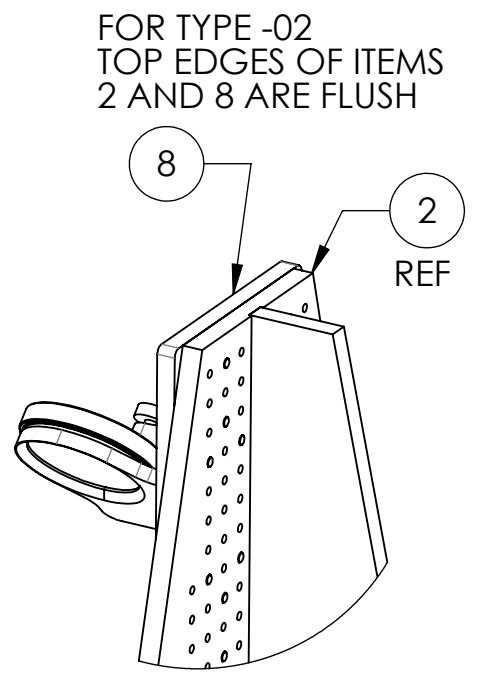
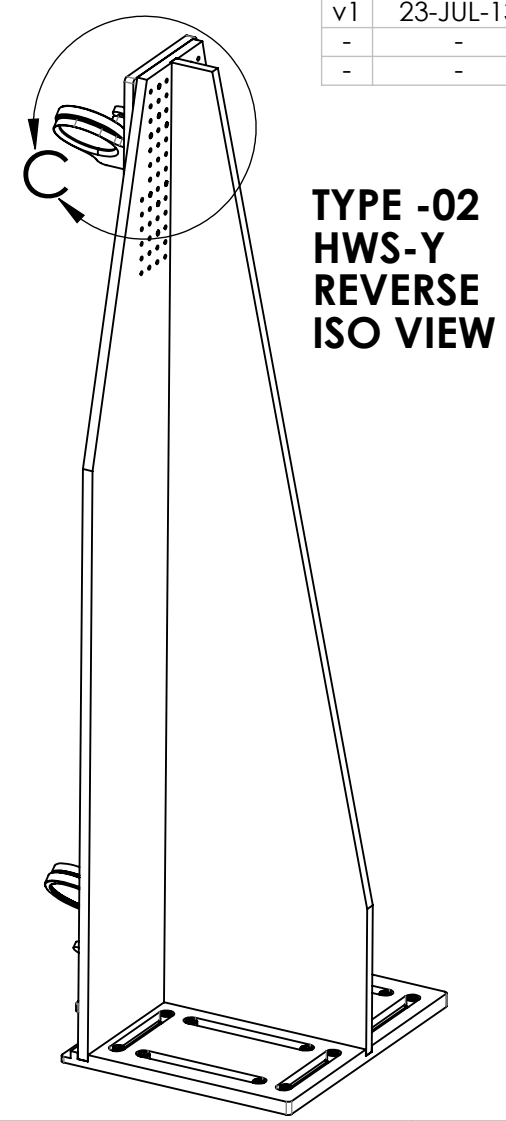
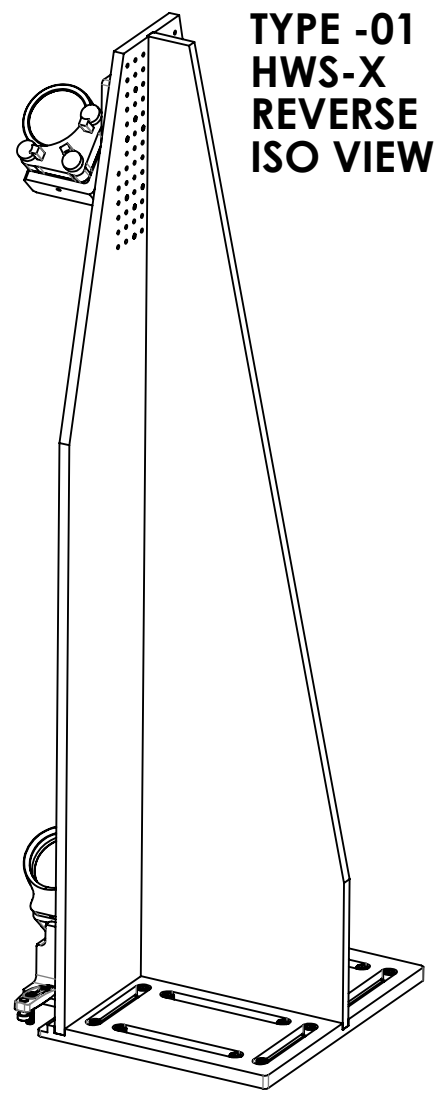
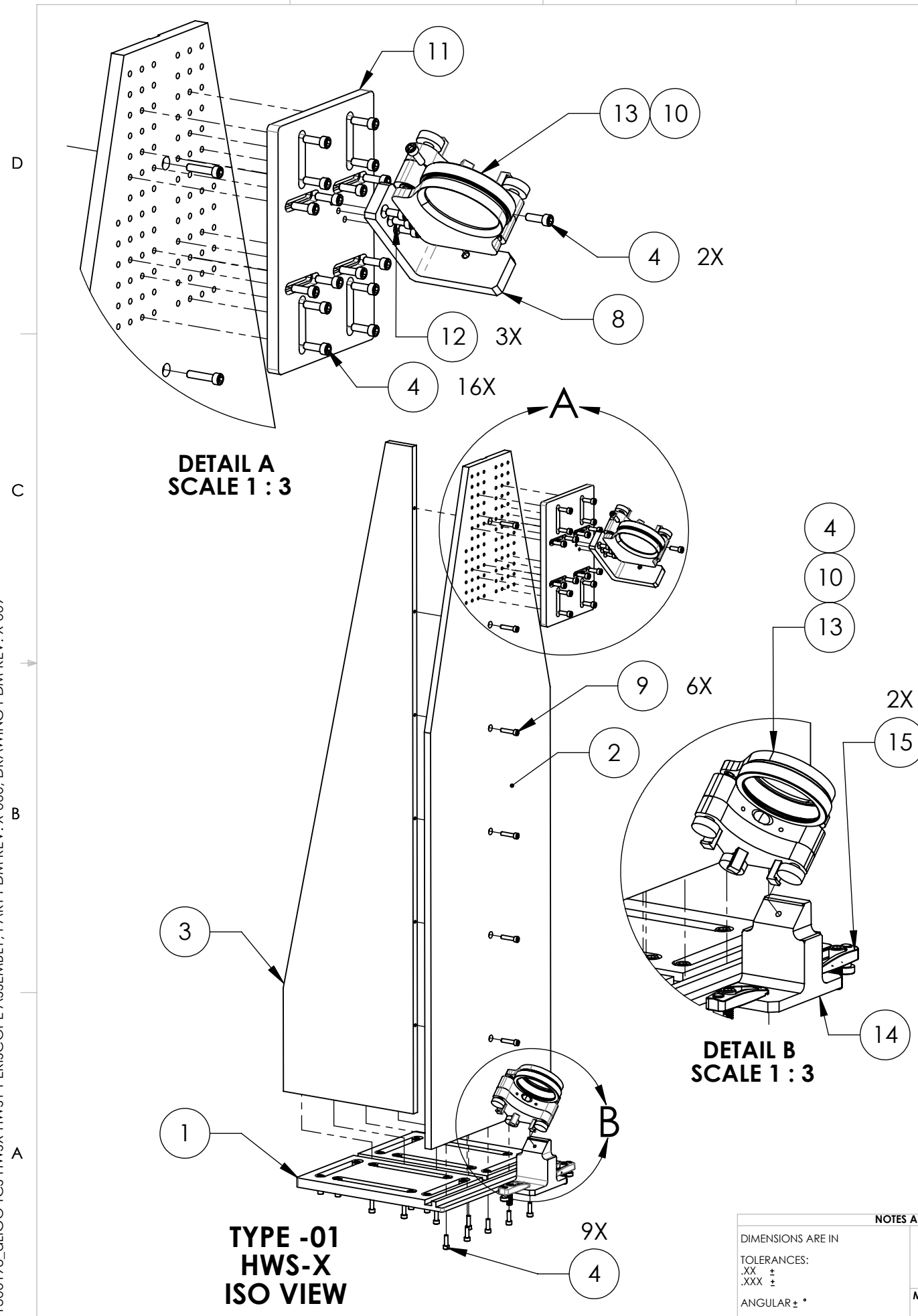


D1300198\_αLIGO TCS HWSX-HWSY PERISCOPE ASSEMBLY, PART PDM REV: X-060, DRAWING PDM REV: X-009

REV.	DATE	DCN #	DRAWING TREE #
v1	23-JUL-13	E1300281-x0	E1300170-v1
-	-	-	-
-	-	-	-



ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	HWSX-01/QTY	HWSY-02/QTY	SPARE	TOTAL
15	BC-5	NEWPORT BASE CLAMP	MULTI	2	2	1	6
14	D1300644	αLIGO TCS HWS LOWER PERISCOPE MOUNT	6061 Alloy	1	1	0	2
13	-8852	NEWFOCUS 2-IN PICOMOTOR CORNER MOUNT, FULL PN 802852-01-8852	MULTI	2	2	0	4
12	C-806-N	SCREW, SOCKET HEAD CAP, #8-32 UNC-2A X 0.375 LONG, FULLY THREADED	18-8 SSSL	3	3	2	10
11	D1102409-01	αLIGO TCS HWS ITM UPPER PERISCOPE PLATE -01	6061 Alloy	1	0	0	1
10	PF20-03-P01	2 IN OD HWS PERISCOPE MIRROR	Glass	2	2	0	4
9	C-812-N	SCREW, SOCKET HEAD CAP, #8-32 UNC-2A X 0.75 LONG, FULLY THREADED	18-8 SSSL	6	6	4	20
8	D1102409-02	αLIGO TCS HWS ITM UPPER PERISCOPE PLATE -02	6061 Alloy	0	1	0	1
7	D1300345	MOUNT ADAPTER, αLIGO TCS HWS ITM UPPER PERISCOPE	6061 Alloy	1	1	0	2
6	WF-25	FLAT WASHER 1/4 SCREW SIZE	18-8 SSSL	16	16	4	40
5	C-2010-N	SCREW, SOCKET HEAD CAP, 1/4-20 UNC-2A X 0.625 LONG, FULLY THREADED	18-8 SSSL	16	16	4	40
4	C-808-N	SCREW, SOCKET HEAD CAP, #8-32 UNC-2A X 0.5 LONG, FULLY THREADED	18-8 SSSL	28	28	7	70
3	D1300342	WEB, αLIGO TCS HWSX-HWSY PERISCOPE	6061 Alloy	1	1	0	2
2	D1300343	FRONT PLATE, αLIGO TCS HWSX-HWSY PERISCOPE	6061 Alloy	1	1	0	2
1	D1300344	BASE, αLIGO TCS HWSX-HWSY PERISCOPE	6061 Alloy	1	1	0	2

**NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)**

1. INTERPRET DRAWING PER ASME Y14.5-1994.  
2. DO NOT SCALE FROM DRAWING.

DIMENSIONS ARE IN  
TOLERANCES:  
.XX ±  
.XXX ±  
ANGULAR ± °

MATERIAL: N/A      FINISH: N/A μinch

**LIGO** CALIFORNIA INSTITUTE OF TECHNOLOGY  
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

SYSTEM: ADVANCED LIGO      SUB-SYSTEM: AOS      PART NAME: αLIGO TCS HWSX-HWSY PERISCOPE ASSEMBLY

DESIGNER: M. JACOBSON      04-FEB-2013      SIZE: DWG. NO.      REV.      v1  
DRAFTER: M. JACOBSON      16-APR-13      B      D1300198  
CHECKER: J. LEWIS      18-APR-13  
APPROVAL: A. BROOKS      23-JUL-13      SCALE: 1:6      PROJECTION:      SHEET 1 OF 1