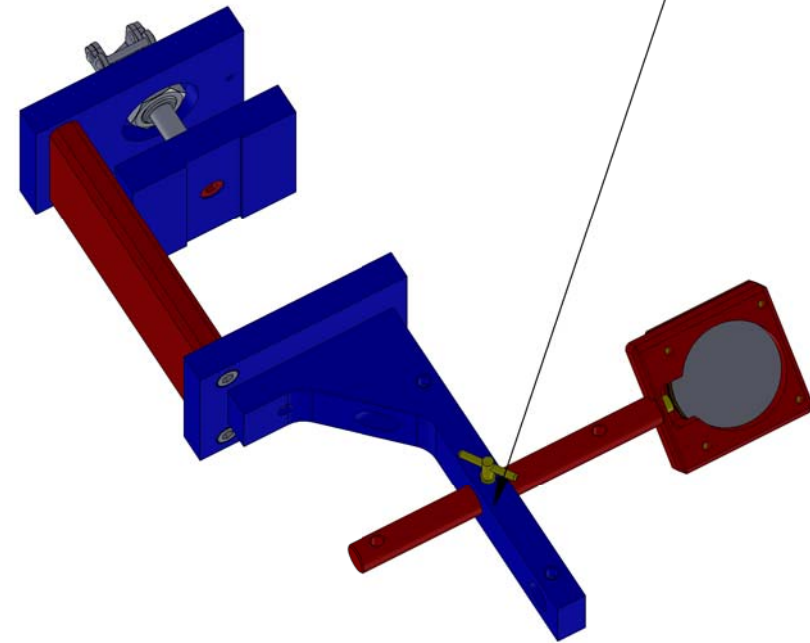


REV.	DATE	DCN #	DRAWING TREE #
v1	5 May 2011	E1100408	E1100409
v2	31 May 2011	E1100459	E1100409

CONFIGURATION 1

CONFIGURATIONS DIFFER AS A FUNCTION OF SHAFT HOLES USED, MIRROR POSITION CAN BE TRANSLATED BY THE COMBINATION OF HOLES USED.

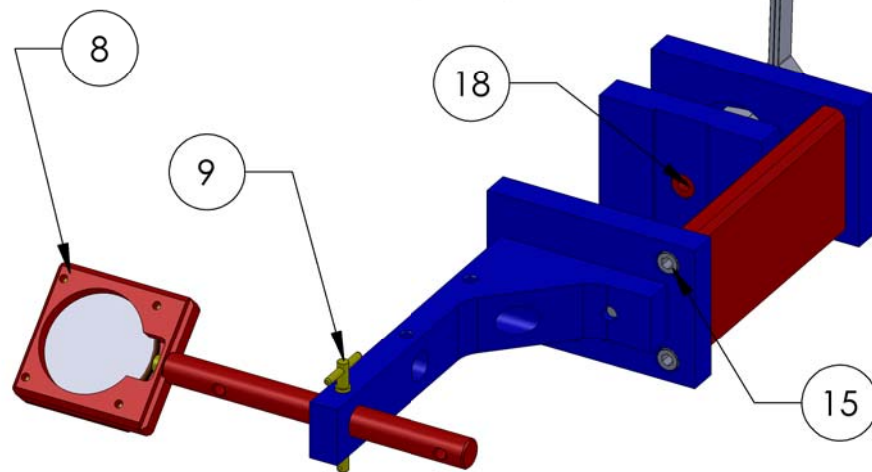
QTY. SAME BOTH CONFIGURATIONS



NOTE 6

5

CONFIGURATION 2



NOTES CONTINUED:

4. VENDOR REFERENCES ARE PROVIDED AS EXAMPLES OF PARTS MEETING ALL REQUIRED SPECIFICATIONS. EQUIVALENTS ARE ALWAYS ACCEPTABLE UNLESS OTHERWISE SPECIFIED.

5. REFER TO LIGO E0900357 FOR ASSEMBLY AND LOADING PROCEDURE.

6. THE VINYL HANDEL ON ITEM 5 TOGGLE CLAMP MUST BEREMOVED AND CLEANED PRIOR TO USE.

ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	QTY C-1	QTY. C-2
18	McMASTER_97345A578	SHOULDER SCREW, 1/4-20 THD 5/16 DIA SHOULDER X 1/2 LG	316 SSTL	1	1
17	McMASTER_90107A030	WASHER .34 ID X .75 OD X .04-.06 THK.	316 SSTL	1	1
16	McMASTER_9713k65	BELLEVILLE SPRING WASHER, .317 ID X .625 OD X .022 THK	302 SSTL	6	6
15	HOLOKROME_78056	SHCS, 1/4"-20x.625"	18-8 SS	6	6
14	MSC_05667043	SCREW SHCS, 8-32 X 3/8 LG	18-8 SSTL	5	5
13	McMASTER_92217A475	WASHER .28 ID X .73 OD X .05-.08 THK.	18-8 SSTL	1	1
12	D1100804	BOSEM 45 DEG MIRROR TOP	304 SSTL	1	1
11	McMASTER_1201T751	O-RING, AS568A-032 .070" THK X 1.87" ID	VITON	1	1
10	EDMUND OPTICS_NT64-440	2" DIA MIRROR	BK7 GLASS	1	1
9	McMASTER_98405A012	QUICK RELEASE PIN	18-8 SSTL	1	1
8	D1100798	BOSEM 45 JIG MIRROR MOUNT	304 SSTL	1	1
7	D1100797	BOSEM 45 DEG MIRROR JIG SHAFT	304 SSTL	1	1
6	D1100767	BOSEM 45 DEG. MIRROR JIG LEG	6061-T6 Al	1	1
5	CarrLane-150-TPC-S	TOGGLE CLAMP	STAINLESS STEEL	1	1
4	D1100768	BOSEM 45 DEG MIRROR JIG PUSHER	6061-T6 Al	1	1
3	D1100774	BOSEM 45 DEG MIRROR JIG PUSHER MOUNT	6061-T6 Al	1	1
2	D1100765	BOSEM 45 DEG MIRROR JIG SPACER	304 SSTL	1	1
1	D1100766	BOSEM 45 DEG MIRROR JIG END BLOCK	6061-T6 Al	1	1

PARTS LIST

DIMENSIONS ARE IN INCHES		NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)		LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		PART NAME	
TOLERANCES: .XX ± N/A .XXX ± N/A ANGULAR ± N/A*		1. INTERPRET DRAWING PER ASME Y14.5-1994. 2. REMOVE ALL SHARP EDGES, .03 x 45°. 3. DO NOT SCALE FROM DRAWING.		ADVANCED LIGO		BOSEM 45 DEG MIRROR JIG ASSEMBLY	
MATERIAL N/A		FINISH N/A μinch		SUB-SYSTEM SEI		DESIGNER M.HILLARD 21 Apr. 2011	
		NEXT ASSY SUS TOOLING		DRAFTER M.HILLARD 5 May 2011		SIZE DWG. NO. B D1100764	
				CHECKER J.LEWIS 5 May 2011		REV. v2	
				APPROVAL C.TORRIE 5 May 2011		SCALE: 1:2 PROJECTION: SHEET 1 OF 2	

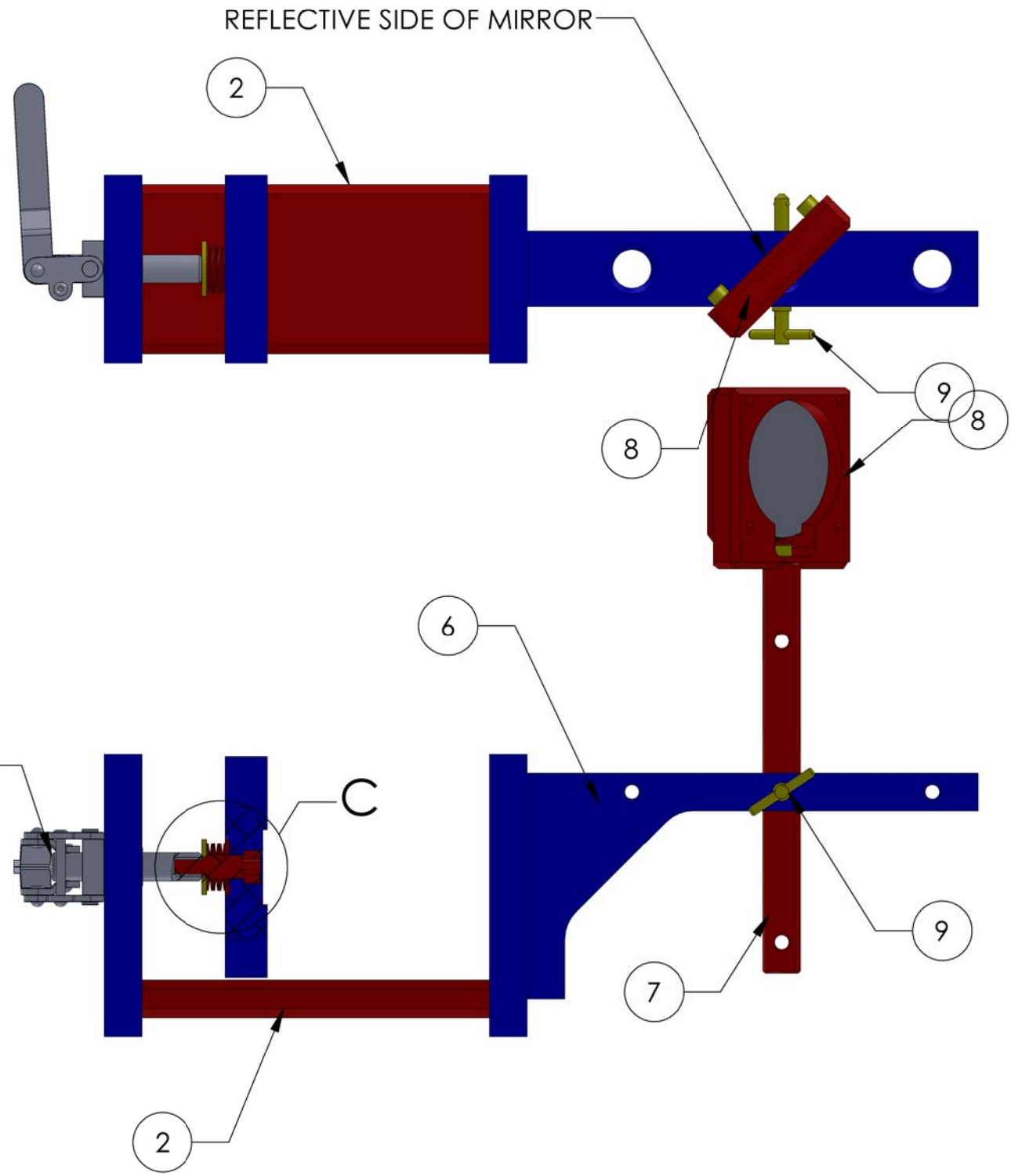
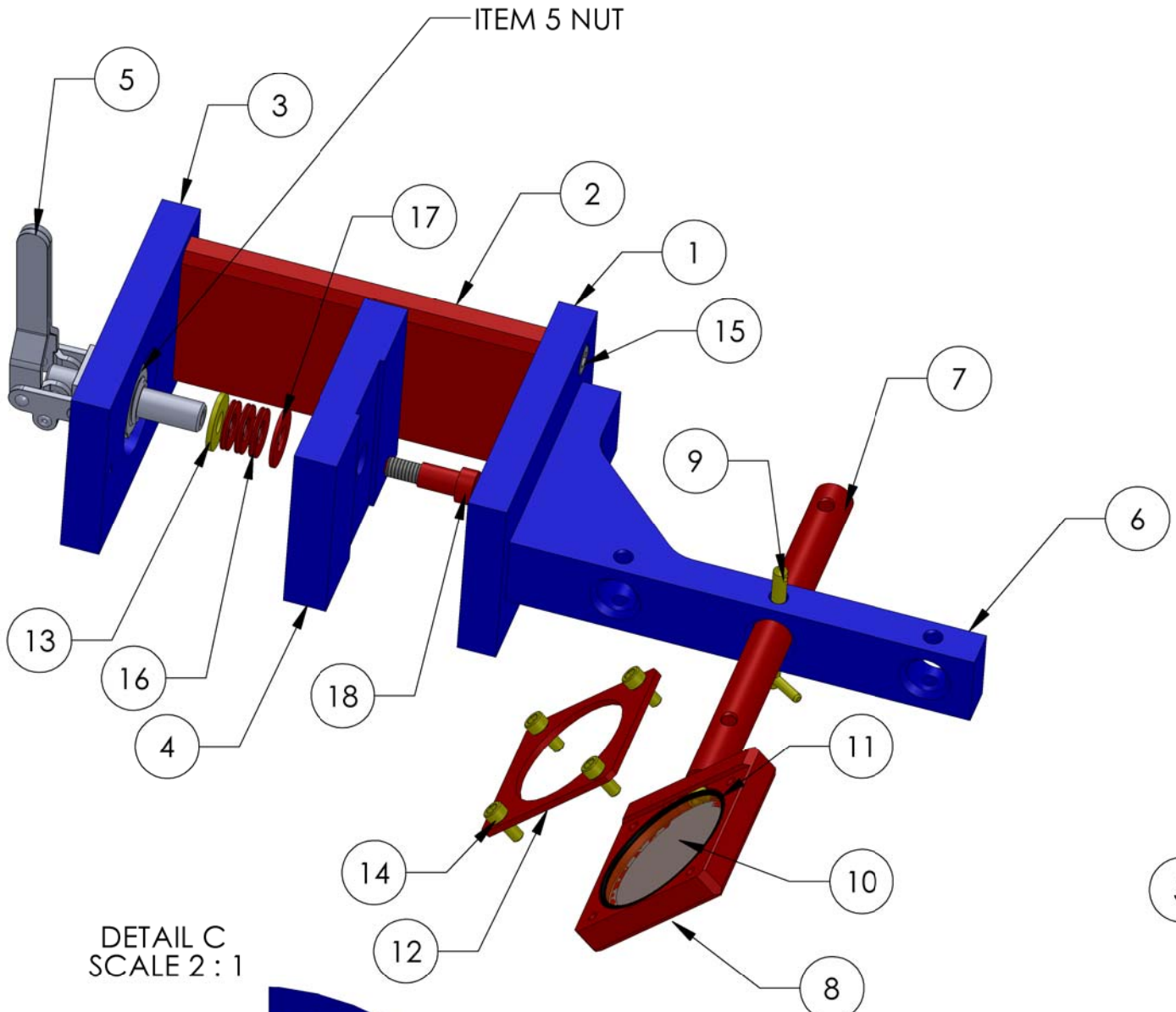
D1100764, PART PDM REV: X-009, DRAWING PDM REV: X-004

D1100764, PART PDM REV: X-009, DRAWING PDM REV: X-004

8 7 6 5 4 3 2 1

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CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		
SIZE	DWG. NO.	REV.
B	D1100764	v2
SCALE: 1:2	PROJECTION:	SHEET 2 OF 2

8 7 6 5 4 3 2 1