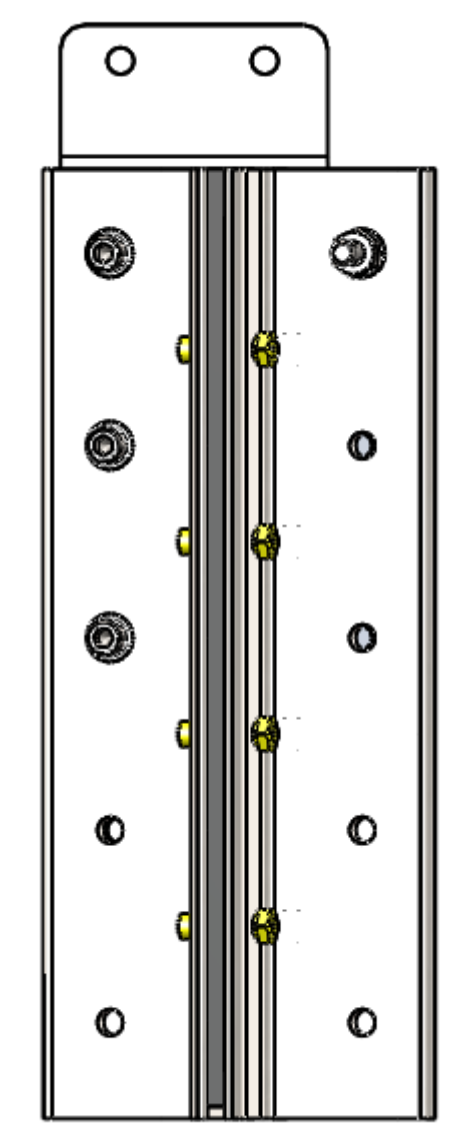
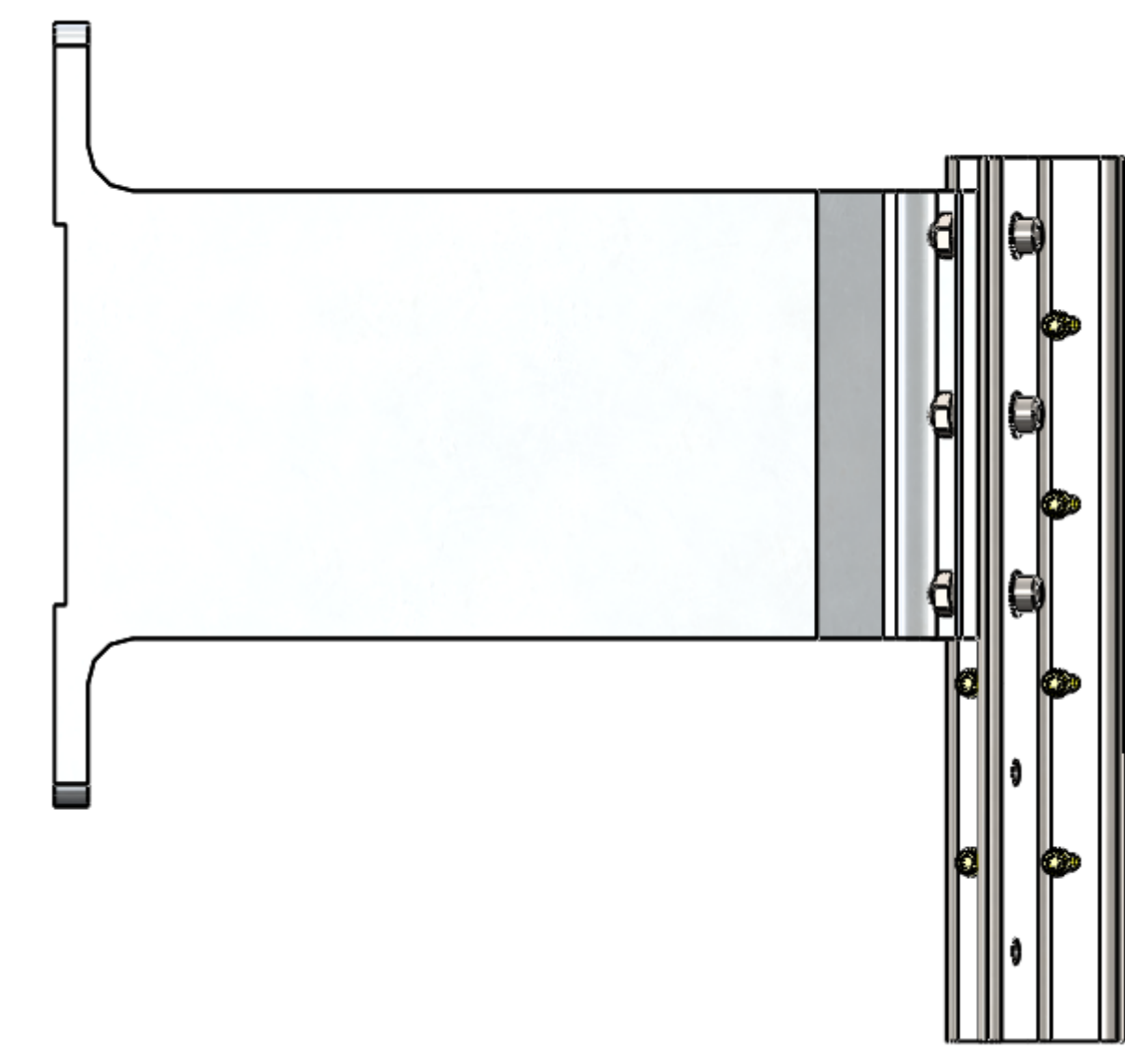
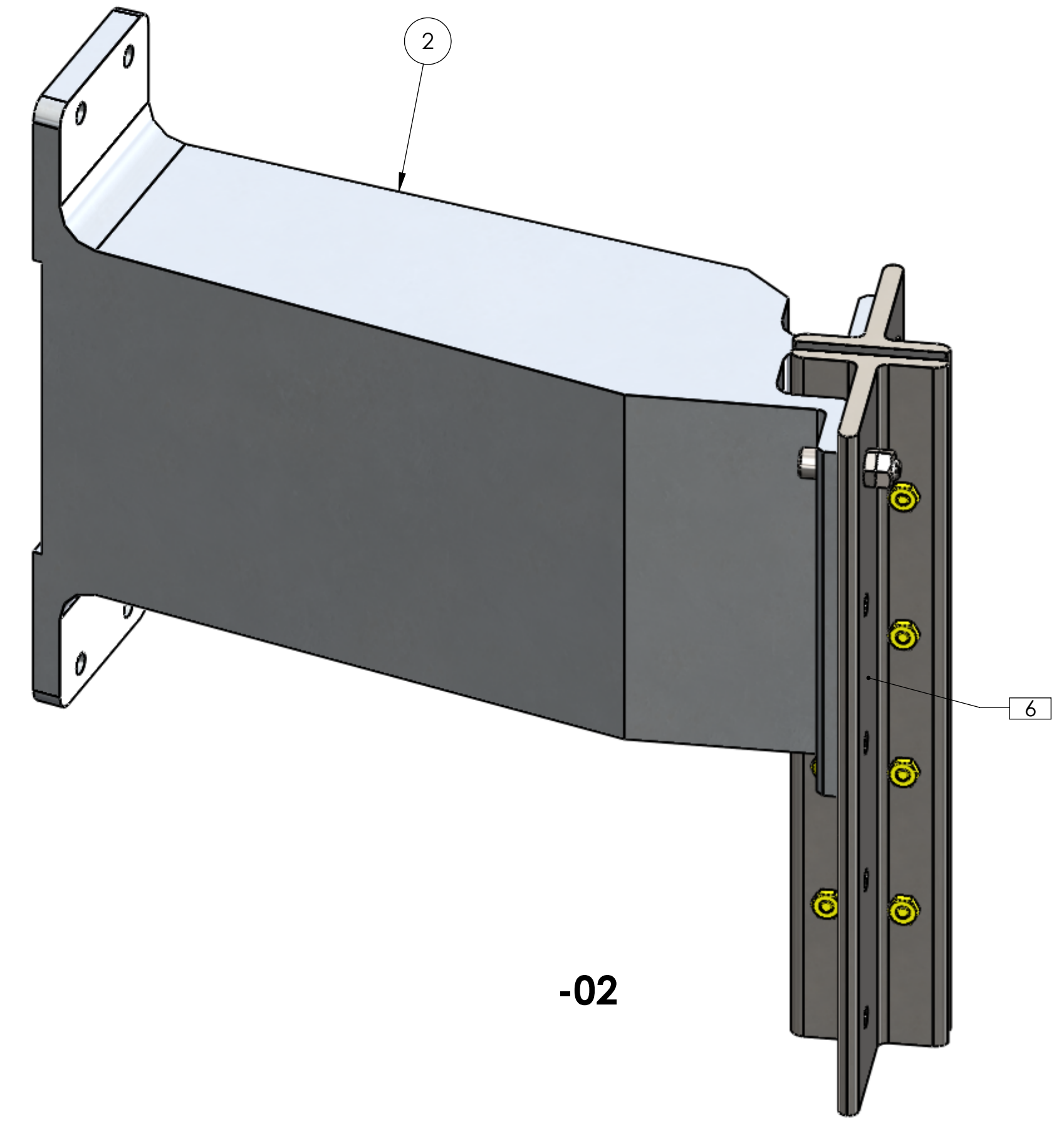
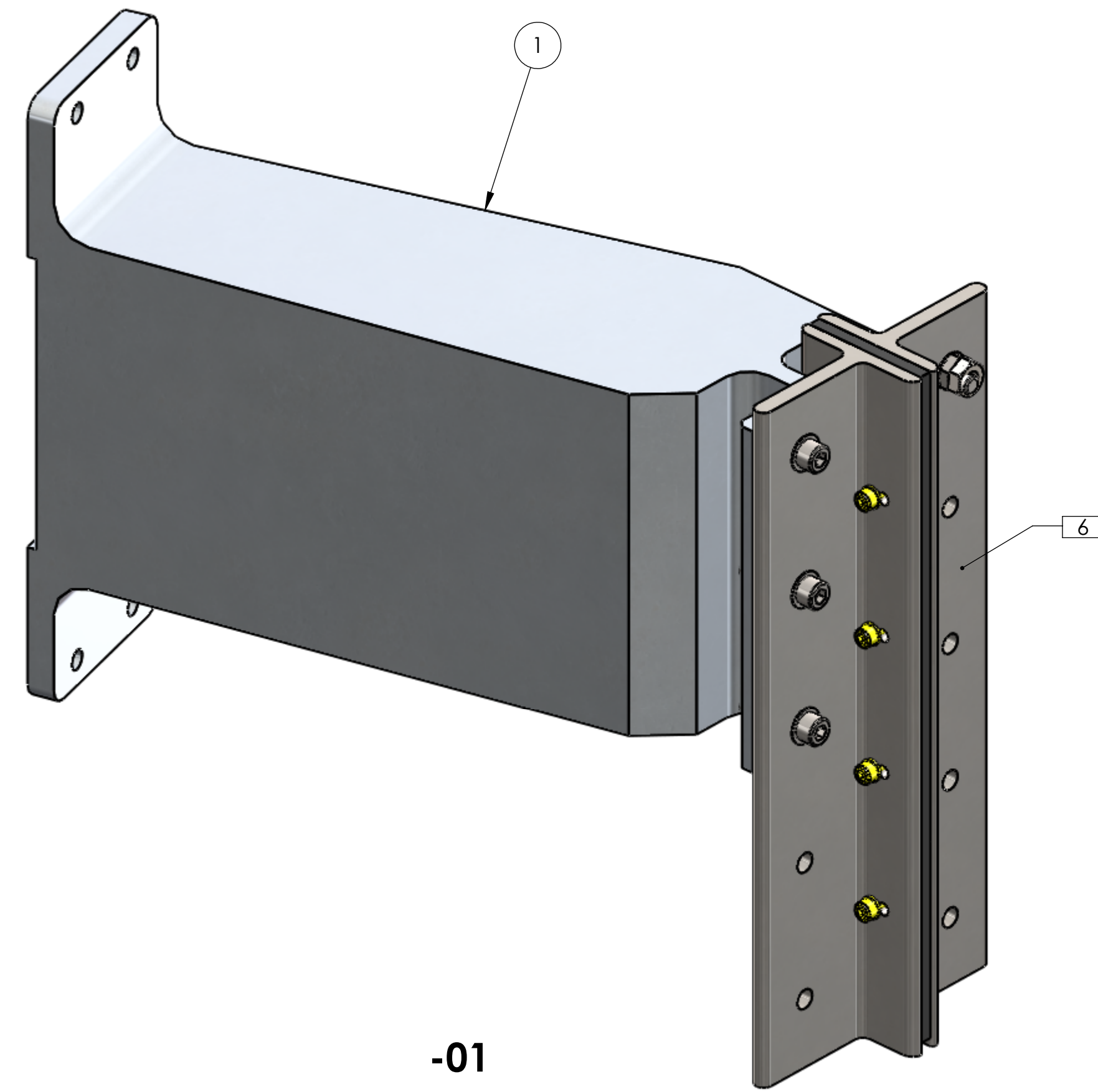
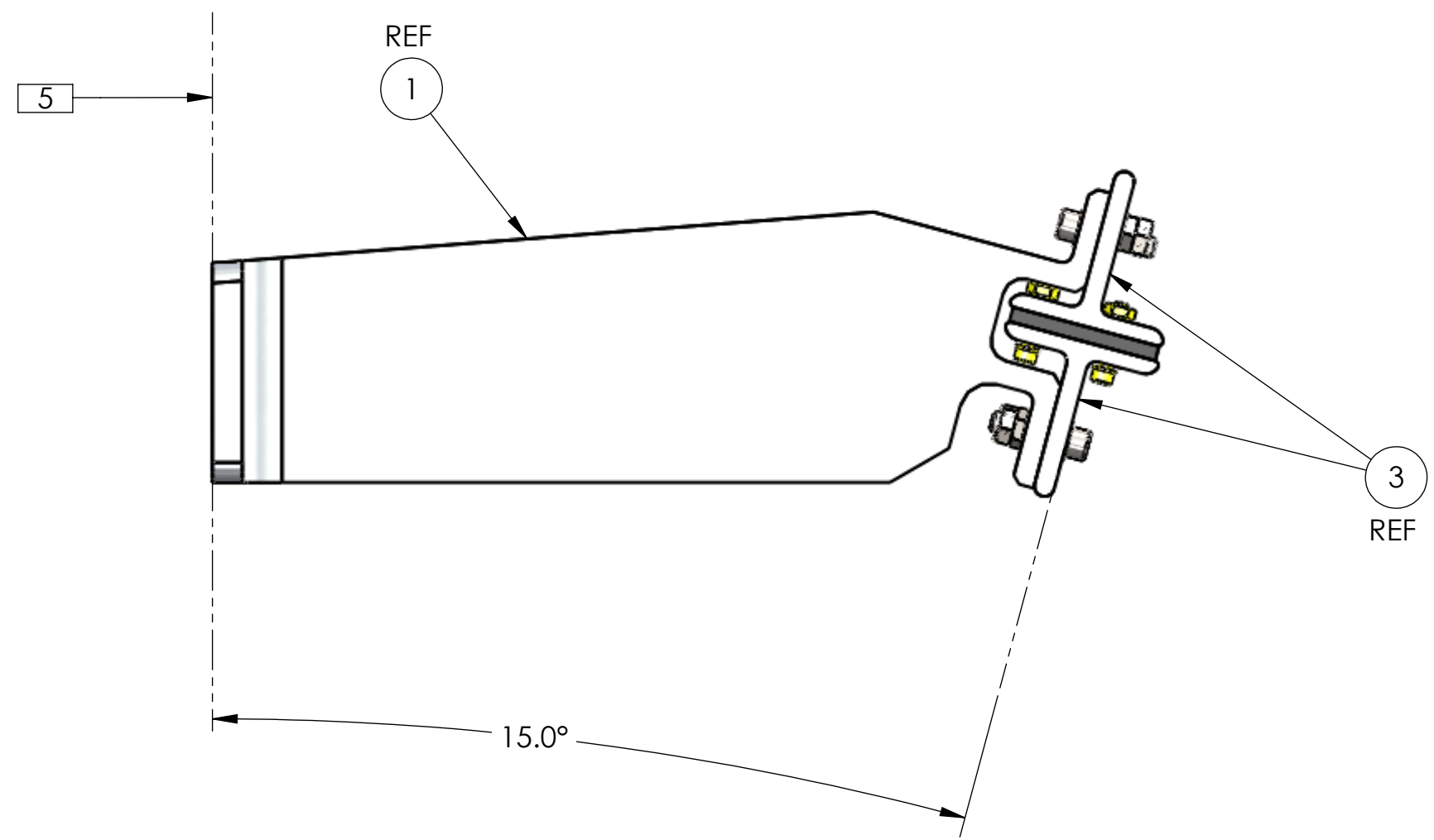


REV.	DATE	DCN #	DRAWING TREE #
v1	01-MAR-2012	E1101043-v1	E1101044-v1
v2	17-OCT-2012	E1200916-v1	E1200917-v1
-	-	-	-

- NOTES CONTINUED:**
- 5 INTERFACE PLANE TO ASSEMBLY D1102078.
  - 6 INTERFACE PLANE TO FLANGE WELDED TO INTERIOR OF BSC CHAMBER 1 OR 3. SEE ALSO ASSY D1101013.
  - 7 #8-32 TORQUE TO 20 in-lb, MAX .
  - 8 1/4-20 TORQUE TO 65 in-lb, MAX .



ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	D1102088-01/REQ	D1102088-02/REQ	SPARE	TOTAL
11	D1201407	DAMPING SPACER, SHORT	VITON	1	1	0	2
10	C-2016-N	SHCS, 1/4-20 UNC-2A X 1LG. UC-COMPONENTS	18-8 SSSL	4	4	1	10
9	C-814-N	SCREW, SOCKET HEAD CAP, #8-32 UNC-2A X 0.875 LONG, FULLY THREADED	300 SSSL	8	8	2	20
8	WF-08-A	WASHER, FLAT, #8, .169ID X .304OD X .032TK. U-C COMPONENTS	18-8 SSSL Au PLTD	16	16	4	40
7	N-832	HEX NUT, #8-32 UNC-3B. UC-COMPONENTS	18-8 SSSL	8	8	2	20
6	WF-25-A	WASHER, FLAT, .255ID X .468OD X .032TK. UC COMPONENTS	18-8 SSSL Au PLTD	8	8	2	20
5	N-2520-A	NUT, HEX, 1/4-20 UNC-3B. UC-COMPONENTS	18-8 SSSL Au PLTD	4	4	1	10
4	NJ-2520	HEX JAM NUT, 1/4-20, UC COMPONENTS	18-8 SSSL	4	4	1	10
3	D1101287-02	STANDARD T, SS 304, 2 X 2 X .25	AISI 304	2	2	0	4
2	D1101771-02	WEDGE SUPPORT, H1-L1, αLIGO TCS CO2P SM1	6061 Alloy	-	1	0	1
1	D1101771-01	WEDGE SUPPORT, H1-L1, αLIGO TCS CO2P SM1	6061 Alloy	1	-	0	1

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

- INTERPRET DRAWING PER ASME Y14.5-1994.
- REMOVE ALL SHARP EDGES, .005-.015, FOR MACHINED PARTS. ROUND ALL EDGES APPROXIMATELY R.02 FOR SHEET METAL PARTS.
- DO NOT SCALE FROM DRAWING.
- ALL MACHINING FLUIDS MUST BE FULLY SYNTHETIC, FULLY WATER SOLUBLE AND FREE OF SULFUR, SILICONE, AND CHLORINE.

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

**MATERIAL** N/A      **FINISH** N/A μinch

**SYSTEM** ADVANCED LIGO      **SUB-SYSTEM** AOS      **NEXT ASSY** D1101013

**PARTS LIST**  
**PART NAME** αLIGO, WEDGE SUPPORT ASSY, TCS STEER MIRROR 1  
**DESIGNER** M.JACOBSON      **DATE** OCT-27-2011      **SIZE** DWG. NO.      **REV.**  
**DRAFTER** A.COLE      **DATE** 27-OCT-2011      **D**      **D1102088**      **v2**  
**CHECKER** E.SANCHEZ      **DATE** 22-OCT-2012  
**APPROVAL** M.JACOBSON      **DATE** 19-OCT-2012      **SCALE** 1:2      **PROJECTION**      **SHEET** 1 OF 2

D1102088-01.UGO.WEDGE SUPPORT ASSY, TCS STEER MIRROR 1, PART PDM REV: X-947, DRAWING PDM REV: X-027

8

7

6

5

4

3

2

1

H

G

F

E

D

C

B

A

H

G

F

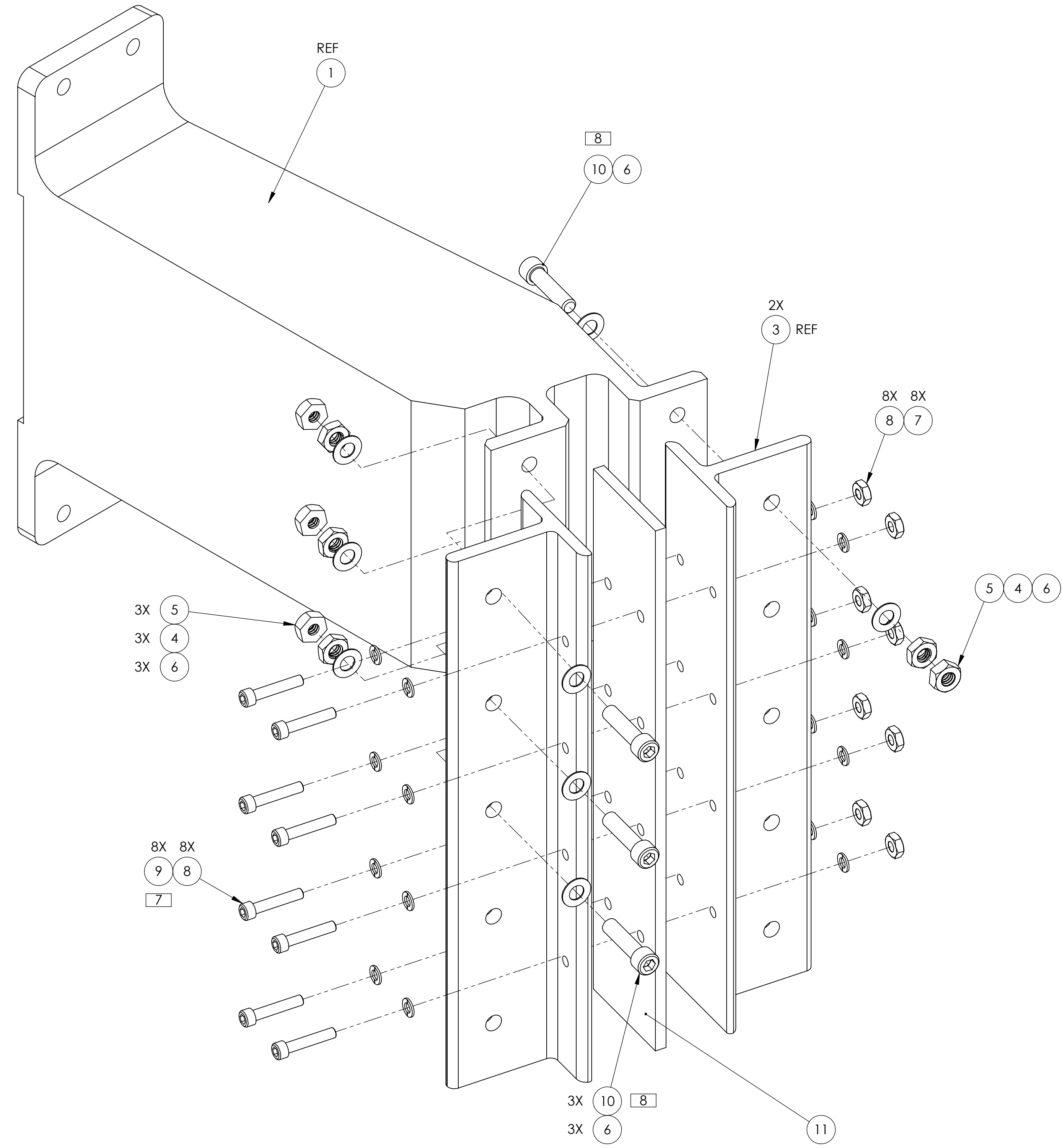
E

D

C

B

A



**-01**  
**(REPLACE ITEM 1 WITH ITEM 2 FOR -02)**

<b>LIGO</b> CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		REV.
SIZE	DWG. NO.	REV.
D	D1102088	v2
SCALE: 1:2	PROJECTION:	SHEET 2 OF 2

8

7

6

5

4

3

2

1

D:\102088.dwg\WEDGE SUPPORT ASSY\_TCS\_STEER\_MIRROR\_1.PART.PDM.REV.X-947\_DRAWING.PDM.REV.X-027