

D1200782_qligo TCS CO2 LASER AND SHUTTER ASSY, PART PDM REV: X-017, DRAWING PDM REV: X-007

NOTES CONTINUED:

- 5 #6-32 TORQUE TO 8 in-lb, MAX
- 6 #8-32 TORQUE TO 20 in-lb, MAX
- 7 1/4-20 TORQUE TO 65 in-lb, MAX
- 8 REMOVE ITEMS 13, 14, AND 15 TO CLOSE THE SHUTTER

D

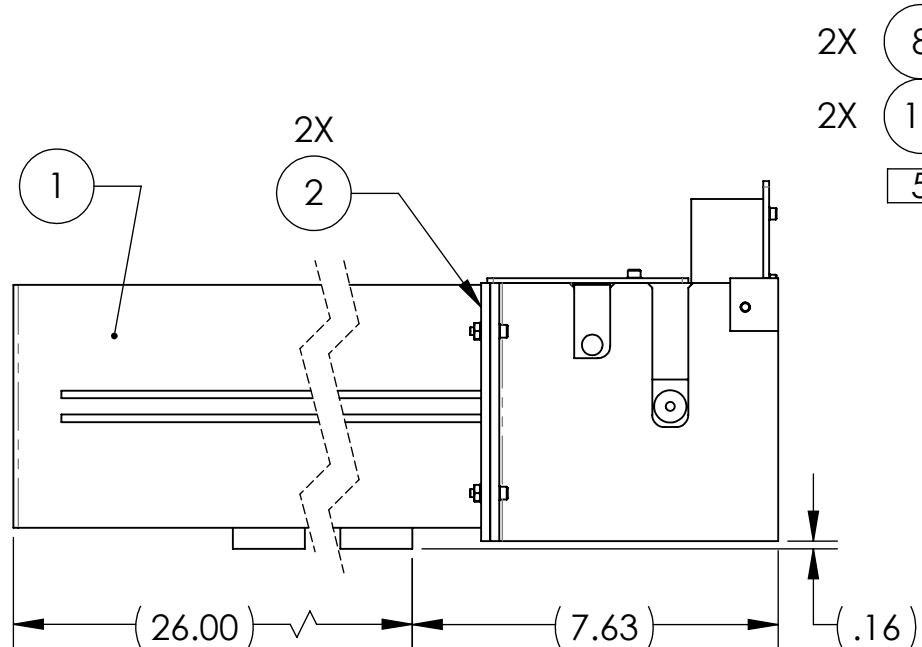
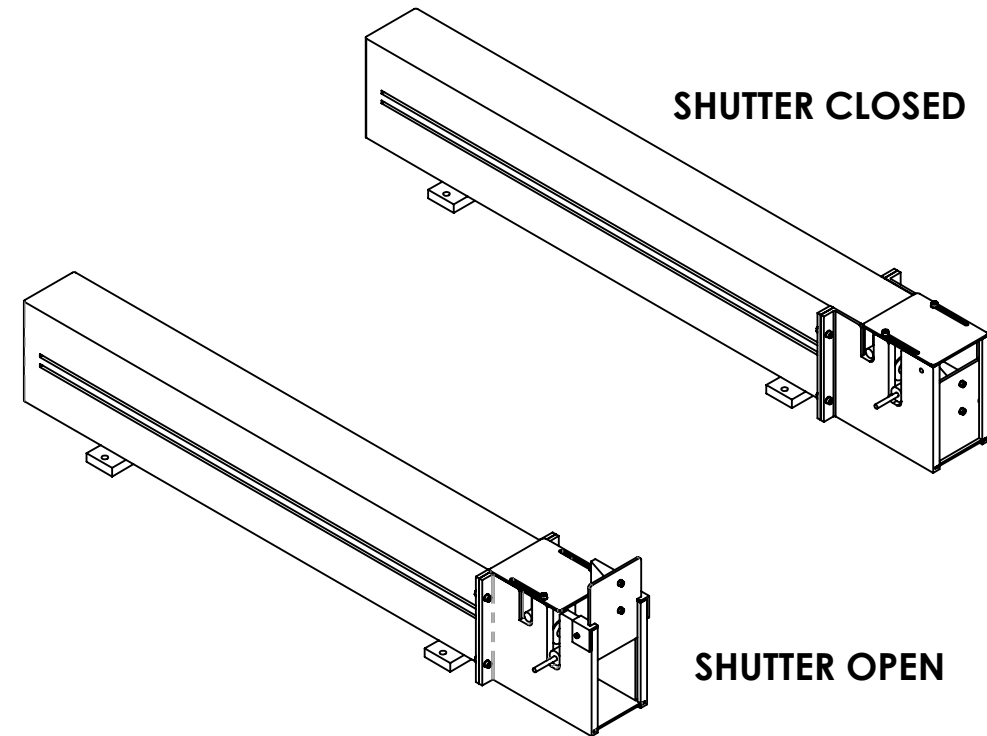
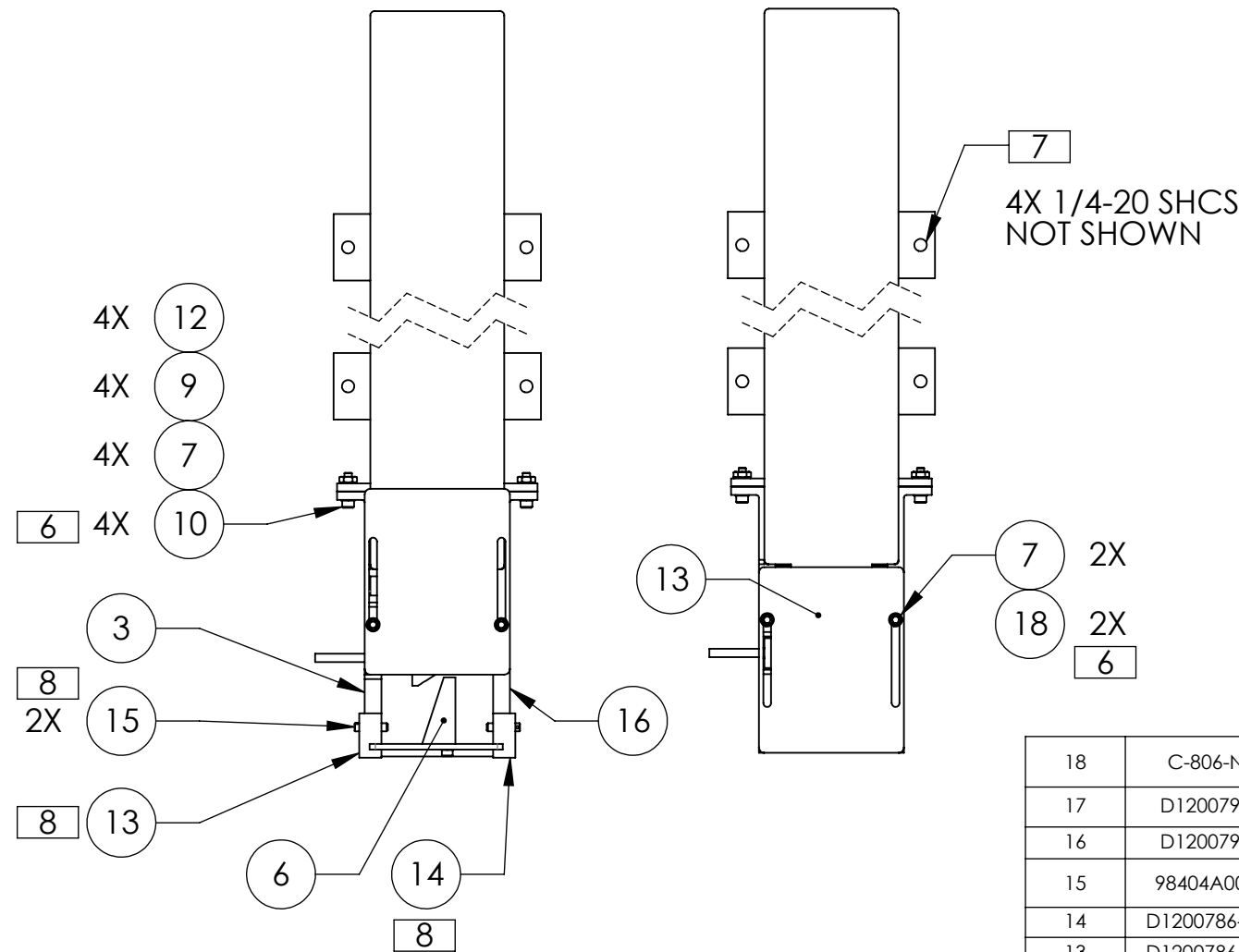
C

B

A

SHUTTER OPEN

SHUTTER CLOSED



18	C-806-N	SCREW, SOCKET HEAD CAP, #8-32 UNC-2A X 0.375 LONG	300 SSTL	2	2	2	4
17	D1200791	COVER, SHUTTER ASSY, qligo TCS CO2 LASER	6061 Alloy	1	1	0	1
16	D1200790	SHUTTER CLAMP, RIGHT SIDE	6061 Alloy	1	1	0	1
15	98404A005	QUICK RELEASE PIN, .5 IN LONG, MCMMASTER	18-8 SSTL	2	0	2	4
14	D1200786-02	UPPER STOP, SHUTTER	6061 Alloy	1	0	0	1
13	D1200786-01	UPPER STOP, SHUTTER	6061 Alloy	1	0	0	1
12	N-832-A	HEX NUT, #8-32	18-8 SSTL, Au	4	4	2	6
11	C-606-N	SCREW, SOCKET HEAD CAP, #6-32 UNC-2A X 0.375 LONG	300 SSTL	2	2	2	4
10	C-810-N	SCREW, SOCKET HEAD CAP, #8-32 UNC-2A X 0.625 LONG	300 SSTL	4	4	2	6
9	92141A009	WASHER, FLAT, #8, .375 OD (NAS 1149-C8L OR EQUIV)	300 SSTL	4	4	2	6
8	WF-06	WASHER, FLAT, #6 (NAS 620-C6L OR EQUIVALENT)	300 SSTL	2	2	2	4
7	WF-08	WASHER, FLAT, #8, .304 OD (NAS 620-C8L OR EQUIV)	300 SSTL	6	6	2	8
6	D1200784	BREWSTERS WEDGE, SHUTTER	6061 Alloy	1	1	0	1
5	D1200785	LOWER STOP, SHUTTER	6061 Alloy	1	1	0	1
4	D1200783	SHUTTER	6061 Alloy	1	1	0	1
3	D1200787	SHUTTER CLAMP, LEFT SIDE	6061 Alloy	1	1	0	1
2	D1200788	SHUTTER CLAMP BASE	6061 Alloy	2	1	0	2
1	D1001934	qligo TCS CO2 LASER	6061 Alloy	1	1	0	1
ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	SHUTTER OPEN/QTY.	SHUTTER CLOSED/QTY.	SPARE	TOTAL

PARTS LIST

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)

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

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.

MATERIAL N/A FINISH N/A μinch

LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY

SYSTEM **ADVANCED LIGO** SUB-SYSTEM **AOS**

PART NAME **qligo TCS CO2 LASER AND SHUTTER ASSY**

DESIGNER M. JACOBSON 24-MAY-12 SIZE DWG. NO. **B**
 DRAFTER M. JACOBSON 28-MAY-12
 CHECKER A. COLE 29-MAY-12
 APPROVAL HEPTONSTALL 29-MAY-12

SCALE: 1:4 PROJECTION: SHEET 1 OF 1

REV. **v1**