

NOTES CONTINUED:


- 5. BAG OR WRAP AND TAG ASSEMBLY WITH DRAWING NUMBER, REVISION, TYPE, AND SERIAL NUMBER. SERIAL NUMBERS START AT 001 FOR THE FIRST ARTICLE AND PROCEED CONSECUTIVELY.
EXAMPLE (TAG): DXXXXXXXX-VY, TYPE -01, S/N 001
- 6. APPROXIMATE WEIGHT = 14.77 LBS.
- 7. -01 AND -02 ASSEMBLIES ARE MADE FROM THE IDENTICAL SET OF PARTS.

REV	DATE	DCN #	BOM #
v1	04 OCT 2011	E1100351	E1100654-v1
-	-	-	-
-	-	-	-

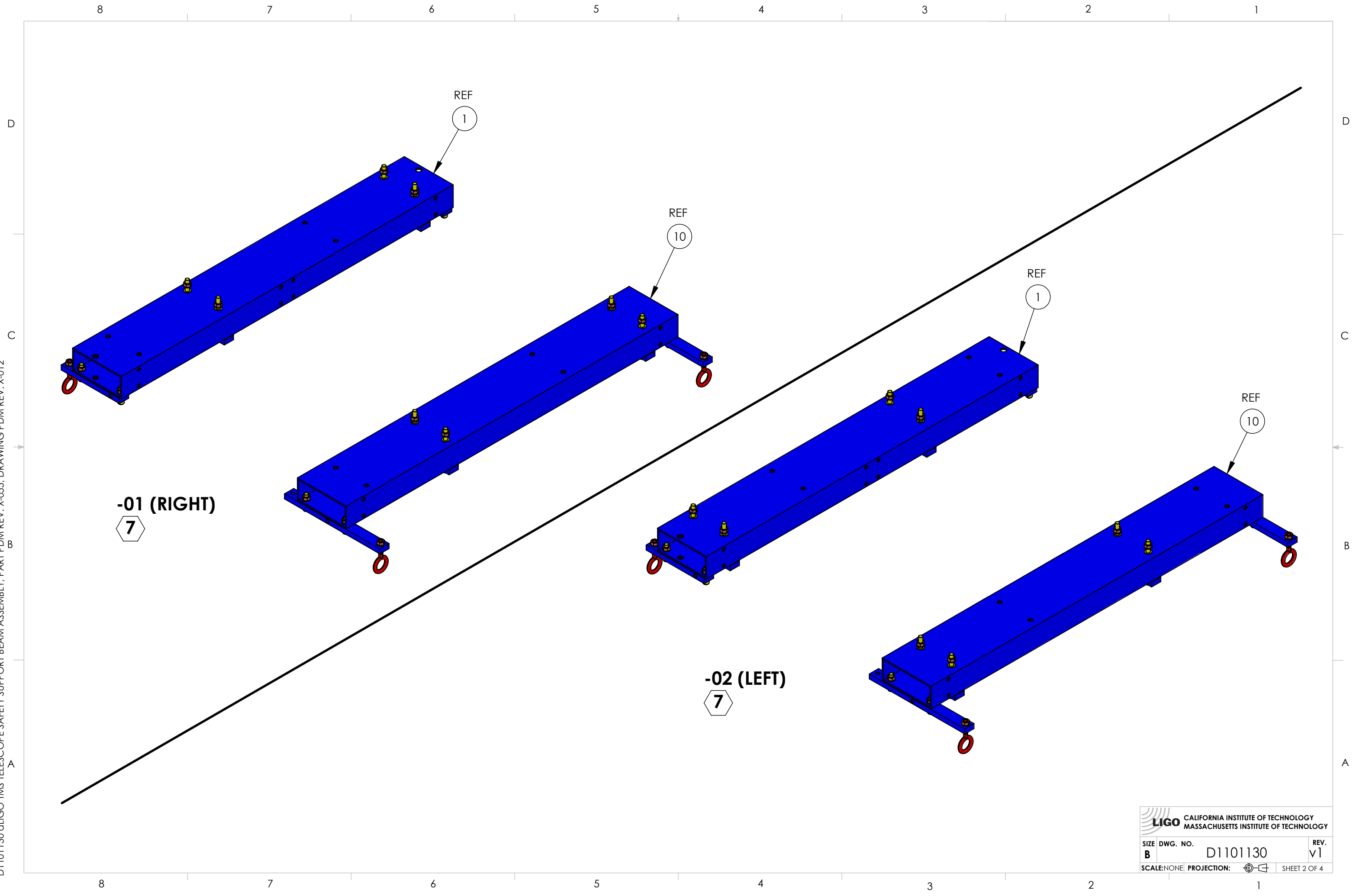
D1101130 qLIGO TMS TELESCOPE SAFETY SUPPORT BEAM ASSEMBLY, PART PDM REV: X-055, DRAWING PDM REV: X-012


ITEM NO.	PART NUMBER	REV	DESCRIPTION	MATERIAL	REQ	SPARE	TOTAL
10	D1100264-02	v2	TMS TELESCOPE SAFETY SUPPORT BEAM, REAR	6061-T6 Al	1	-	1
9	D1100281	v1	TMS SAFETY CHAIN MOUNT, REAR	6061-T6 Al	2	-	2
8	33045T72 (McM-Carr) or equiv		EYEBOLT, NON-SHOULDERED, 780# 5/16-18 X 1.88" THREAD	304 SSSL	4	2	6
7	92196A584 (McM-Carr) or equiv		SCREW, SOCKET HEAD CAP, 5/16-18 UNC-2A X 1.125 LONG	18-8 SSSL	8	2	10
6	D1100280	v1	TMS SAFETY CHAIN MOUNT, FRONT	6061-T6 Al	2	-	2
5	D1100989	v1	NICKEL-COPPER ALLOY 400 .312-18 HEX NUT, MODIFIED	NICKEL-COPPER ALLOY 400	20	6	26
4	92196A597 (McM-Carr) or equiv		SCREW, SOCKET HEAD CAP, 5/16-18 UNC-2A X 3.5 LONG	18-8 SSSL	8	2	10
3	D1100271	v1	TMS VERTICAL SAFETY STOP STRUCTURAL MOUNT	6061-T6 Al	4	-	4
2	96861A700 (McM-Carr) or equiv		VENTED FLAT WASHER .328 ID, .562 OD, .032 TH	18-8 SSSL	52	16	68
1	D1100264-01	v2	TMS TELESCOPE SAFETY SUPPORT BEAM, FRONT	6061-T6 Al	1	-	1

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)	
DIMENSIONS ARE IN INCHES	1. INTERPRET DRAWING PER ASME Y14.5-1994.
TOLERANCES:	2. REMOVE ALL SHARP EDGES, R.02 MIN.
.XX ± .01	3. DO NOT SCALE FROM DRAWING.
.XXX ± .005	4. ALL MACHINING FLUIDS MUST BE FULLY SYNTHETIC, FULLY WATER SOLUBLE AND FREE OF SULFUR, SILICONE, AND CHLORINE.
ANGULAR ± 1.0°	
MATERIAL	N/A
FINISH	N/A μinch

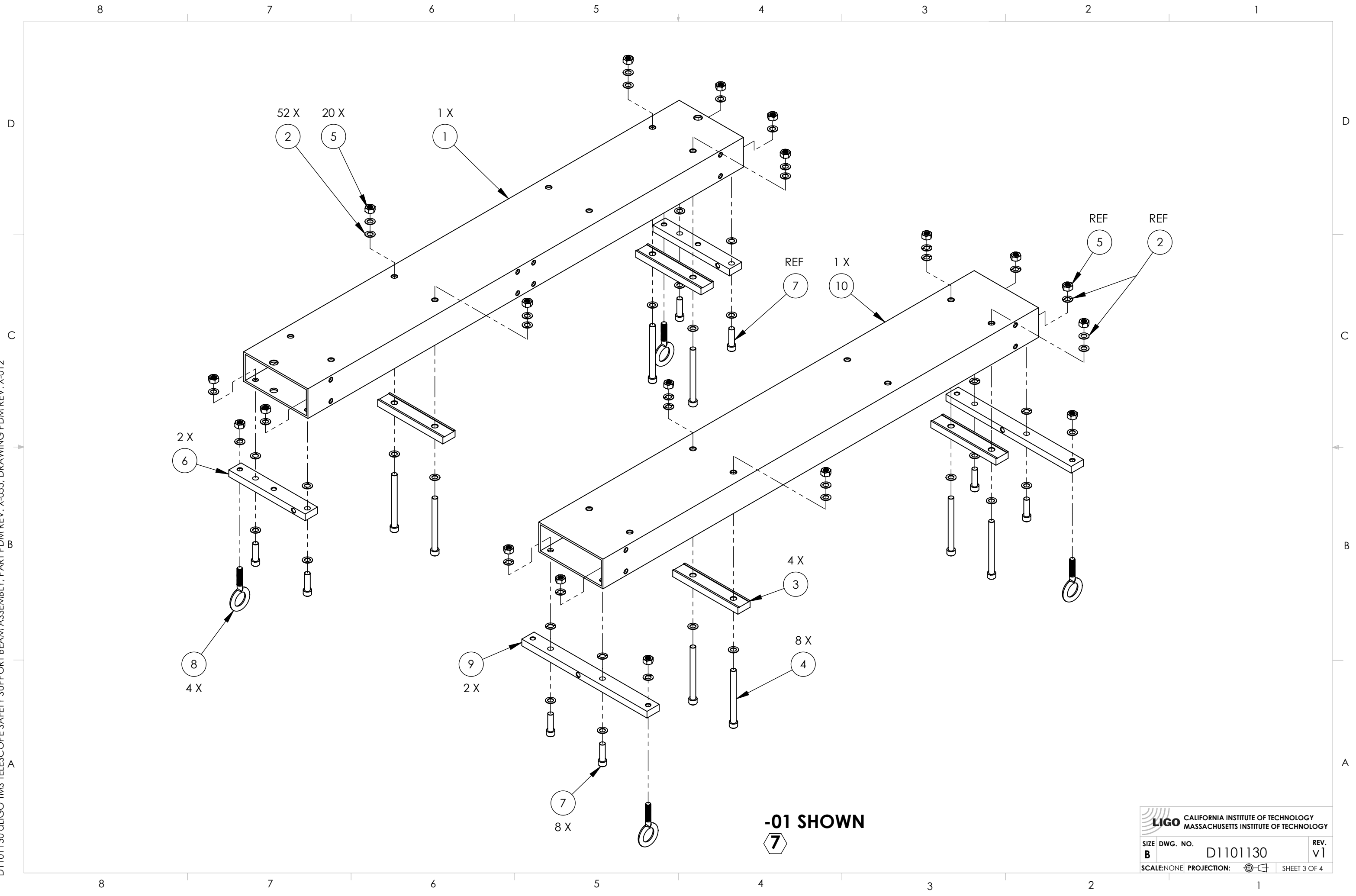
 CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		PART NAME		qLIGO TMS TELESCOPE SAFETY SUPPORT BEAM ASSEMBLY	
SYSTEM	ADVANCED LIGO	SUB-SYSTEM	AOS	DESIGNER	K. MAILAND
NEXT ASSY	D0901880	DRAFTER	M. MILLER	10 FEB 2009	SIZE DWG. NO.
		CHECKER	SEE DCN	04 OCT 2011	B
		APPROVAL	SEE DCN		D1101130
				SCALE: NONE	PROJECTION:
					SHEET 1 OF 4

D1101130 dLIGO TMS TELESCOPE SAFETY SUPPORT BEAM ASSEMBLY, PART PDM REV: X-055, DRAWING PDM REV: X-012




 CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		
SIZE	DWG. NO.	REV.
B	D1101130	v1
SCALE: NONE	PROJECTION:	SHEET 2 OF 4

D1101130 LIGO TMS TELESCOPE SAFETY SUPPORT BEAM ASSEMBLY, PART PDM REV: X-055, DRAWING PDM REV: X-012



-01 SHOWN
7

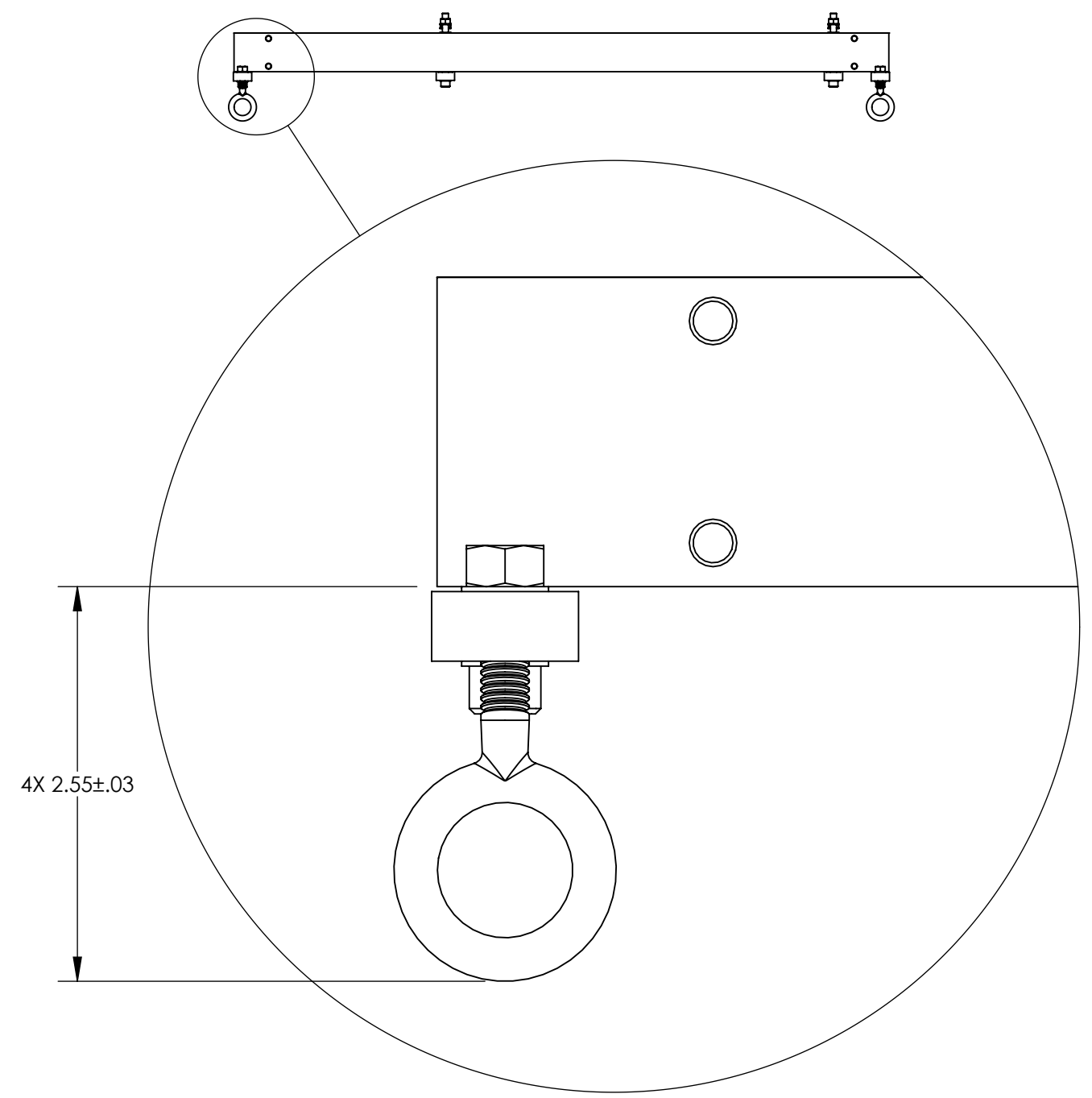
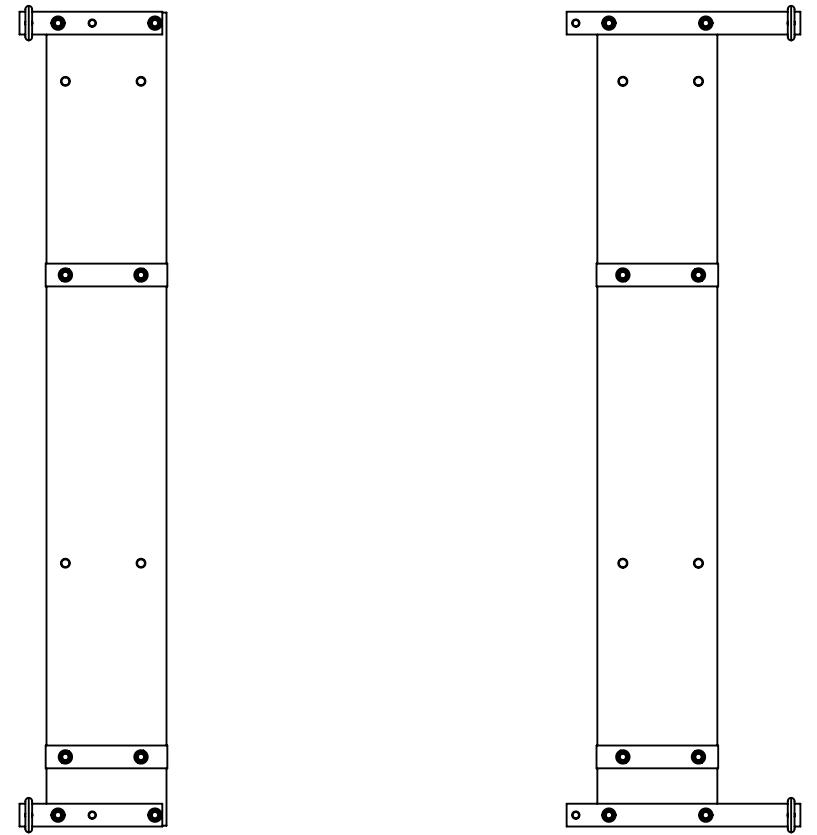
 CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		
SIZE	DWG. NO.	REV.
B	D1101130	v1
SCALE: NONE	PROJECTION:	SHEET 3 OF 4

D1101130 LIGO TMS TELESCOPE SAFETY SUPPORT BEAM ASSEMBLY, PART PDM REV: X-055, DRAWING PDM REV: X-012

8 7 6 5 4 3 2 1

D
C
B
A

D
C
B
A



LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

SIZE	DWG. NO.	REV.
B	D1101130	v1
SCALE: NONE PROJECTION:		SHEET 4 OF 4

8 7 6 5 4 3 2 1