

NOTES CONTINUED:

REV	DATE	DCN #	BOM #	DRAWING TREE #
v1	02 SEP 2011	E1100351	E1100706	E1100735
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-	-	-	-	-

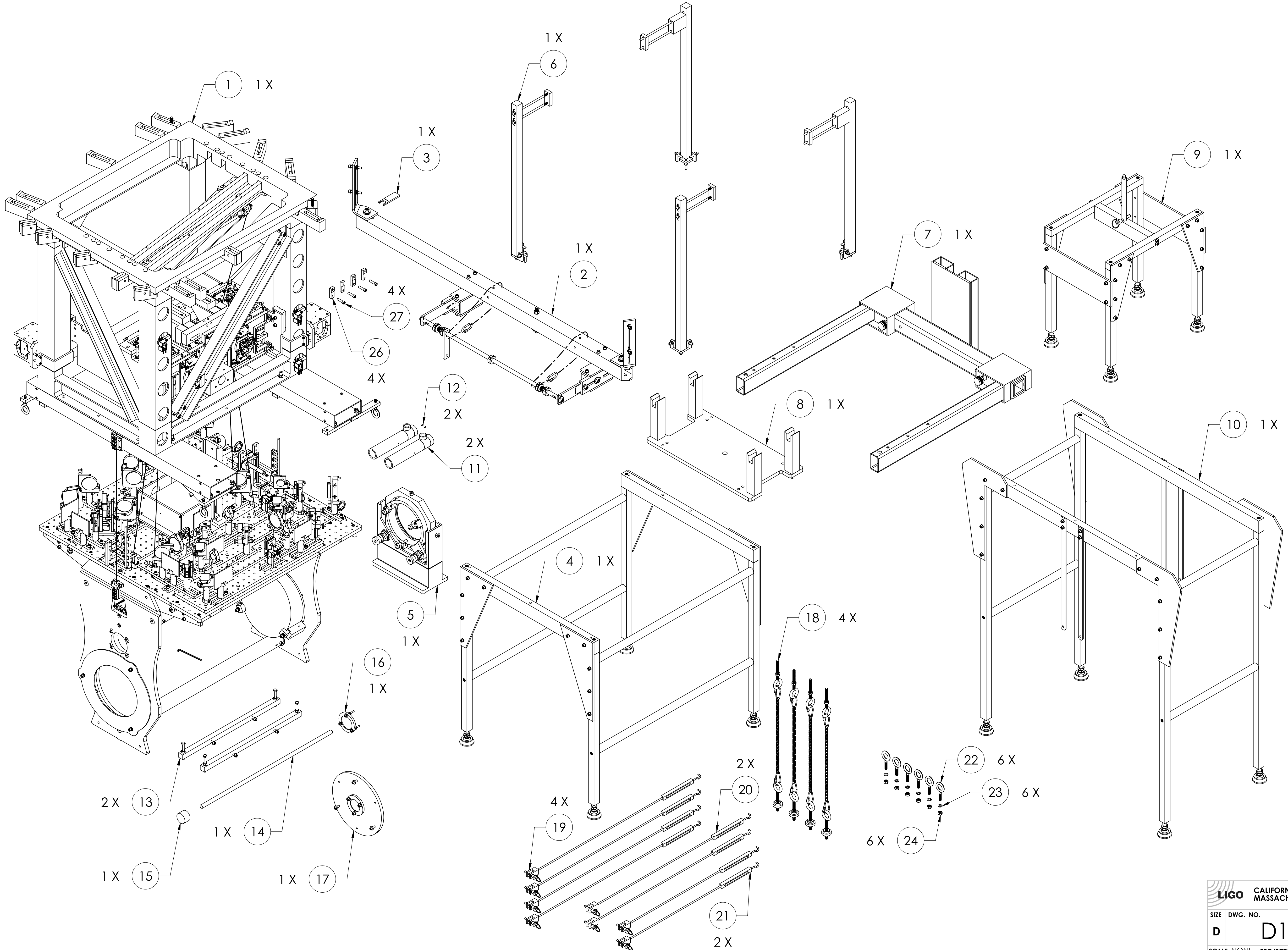
ITEM NO	PART NUMBER	REV	DESCRIPTION	MATERIAL	REQ	SPARE	TOTAL
27	92200A542 (McM-Carr) or equiv per MS16995-52		SCREW, SOCKET HEAD CAP, 1/4-20 UNC-2A X 1 LONG	300 SSSL	4	2	6
26	D1101757	v1	ALIGO TMS UPPER SUS WIRE ADJUSTER	6061-T6 Al	4	-	4
25	D1101575	v1	ALIGO ALLEN WRENCH, FOR TMS VERT.-HOR. SCREW	Alloy Steel	1	-	1
24	D1100989	v1	NICKEL-COPPER ALLOY 400 .312-18 HEX NUT, MODIFIED	NICKEL-COPPER ALLOY 400	6	4	10
23	96861A700 (McM-Carr) or equiv		VENTED FLAT WASHER .328 ID, .562 OD, .032 TH	18-8 SSSL	6	4	10
22	33045T72 (McM-Carr) or equiv		EYEBOLT, NON-SHOULDERED, 780# 5/16-18 X 1.88" THREAD	304 SSSL	6	-	6
21	D1101506	v1	ALIGO TMS TELE SAFETY SUPPORT TURNBUCKLE ASSY, SIDE, SHORT	N/A	2	-	2
20	D1101559	v1	ALIGO TMS TELE SAFETY SUPPORT TURNBUCKLE ASSY, SIDE, LONG	N/A	2	-	2
19	D1101565	v1	ALIGO TMS TELE SAFETY SUPPORT TURNBUCKLE ASSY, FRONT	N/A	4	-	4
18	D1001891	v1	ALIGO TMS VERTICLE SEISMIC SAFETY STOP ASSEMBLY	N/A	4	1	5
17	D1101361	v1	TMS TOOLING TELESCOPE I-P ALIGNMENT MIRROR ASSEMBLY	N/A	1	1	2
16	D1101487	v1	TMS TOOLING TELESCOPE O-P ALIGNMENT MIRROR ASSEMBLY	N/A	1	1	2
15	D1100728	v1	TMS TELESCOPE DUMMY SECONDARY MIRROR	6061-T6 Al	1	1	2
14	D1100729	v1	TMS TELESCOPE MIRROR GAUGE ROD	6061-T6 Al	1	1	2
13	D1100933	v1	TMS TELESCOPE BENCH SUPPORT ASSEMBLY	N/A	2	1	3
12	92778A071 (McM-Carr) or equiv		SCREW, SOCKET SET, OVAL POINT, #6-32 UNC-2A X 0.25 LONG	300 SSSL	2	2	4
11	D-271 (Davidson Optronics)		AUTOCOLLIMATOR	N/A	2	-	2
10	D1100531	v1	ALIGO TMS OPTICAL TABLE SUPPORT BRIDGE ASSY	N/A	1	-	1
9	D1100649	v1	ALIGO TMS TELE-OPT TABLE BALANCE BRIDGE ASSY	N/A	1	-	1
8	D1100841	v1	ALIGO TMS TELE-OPT TABLE INSTALL TOOL ASSY	N/A	1	-	1
7	D1100886	v1	MODIFIED GENIE LIFT FORKS	N/A	1	-	1
6	D1100613	v1	ALIGO TMS TELESCOPE ASSEMBLY ALIGNMENT STABILAZATION TOOL	N/A	1	-	1
5	D1101510	v1	ALIGO TMS TELE ALIGNMENT 6in MIRROR MOUNT ASSY	N/A	1	-	1
4	D1100460	v1	ALIGO TMS TELE ALIGNMENT SUPPORT BRIDGE ASSY	N/A	1	-	1
3	D1101486	v1	ALIGO TMS EARTHQUAKE STOP TOOLING GAUGE	6061-T6 Al	1	-	1
2	D1001781	v2	ALIGO TMS SEISMIC SAFETY STOP STRUCTURE	N/A	1	-	1
1	D0900419	v1	AdvLIGO SUS BSC6-H2, XYZ Local CSm for ETM Tel Assy	N/A	1	-	1

DIMENSIONS ARE IN TOLERANCES: .XX ± .XXX ± ANGULAR ± °		NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED) 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.		 CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		PART NAME ALIGO TMS FIRST ARTICAL INSTALLATION AND TOOLING									
MATERIAL N/A		FINISH N/A μinch		NEXT ASSY N/A		SYSTEM ADVANCED LIGO		SUB-SYSTEM AOS		DESIGNER K. MAILAND 09 JUN 2011		SIZE DWG. NO. D D1101064		REV. v1	
						CHECKER SEE DCN		APPROVAL SEE DCN		SCALE: NONE		PROJECTION:		SHEET 1 OF 2	

D1101064-ALIGO TMS First Article Installation and Tooling - PART PDM REV: X.015, DRAWING PDM REV: X.010

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LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY

SIZE	DWG. NO.	REV.
D	D1101064	v1
SCALE: NONE	PROJECTION:	SHEET 2 OF 2

D:\10_064.dwg This is the Article Installation and Tooling. PART FDM REV. X.015. DRAWING FDM REV. X.010

8 7 6 5 4 3 2 1