



CALIFORNIA INSTITUTE OF TECHNOLOGY
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY

DRWG NO. **E1100706** REV **v1**

OVERALL BILL OF MATERIALS

ASSEMBLY NO: D1101064

TITLE: BOM-aLIGO TMS FIRST ARTICLE INSTALLATION AND TOOLING

CHECK THIS DOCUMENT VS THE DRAWING FOR CHANGES IN DRAWING =KM 11-1-12

	APPROVALS:	DATE:	REV	DCN NO.	BY	CHECK	DCC	DATE
DRAWN / AUTHOR: (REFERENCE CONTENTS)	CIT, JT	6-Sep-11	v1	E1100351	JT			
CHECKED:								
APPROVED:								
DCC RELEASE								

ITEM NO	REQ	SPARE	TOT	PART NUMBER	REVISION	DESCRIPTION	MATERIAL
1	1	0	1	D0900419	v1	ADVLIGO SUS BSC6-H2, XYZ LOCAL CSM FOR ETM TEL ASSY	N/A
2	1	0	1	D1001781	v2	aLIGO TMS SEISMIC SAFETY STOP STRUCTURE	N/A
3	1	0	1	D1101486	v1	aLIGO TMS EARTHQUAKE STOP TOOLING GAUGE	6061-T6 AL
4	1	0	1	D1100460	v1	aLIGO TMS TELE ALIGNMENT SUPPORT BRIDGE ASSY	N/A
5	1	0	1	D1101510	v1	aLIGO TMS TELE ALIGNMENT 6in MIRROR MOUNT ASSY	N/A
6	1	0	1	D1100613	v1	aLIGO TMS TELESCOPE ASSEMBLY ALIGNMENT STABILAZATION TOOL	N/A
7	1	0	1	D1100886	v1	MODIFIED GENIE LIFT FORKS	N/A
8	1	0	1	D1100841	v1	aLIGO TMS TELE-OPT TABLE INSTALL TOOL	N/A
9	1	0	1	D1100649	v1	aLIGO TMS TELE-OPT TABLE BALANCE BRIDGE ASSY	N/A
10	1	0	1	D1100531	v1	aLIGO TMS OPTICAL TABLE SUPPORT BRIDGE ASSY	N/A
11	2	0	2	D-271		AUTOCOLLIMATOR (DAVIDSON OPTRONICS)	N/A
12	2	2	4	92778A071		SCREW, SOCKET SET, OVAL POINT, #6-32 UNC-2A X 0.25 LONG (McMASTER CARR OR EQUIV)	300 SSSL
13	2	1	3	D1100933	v1	TMS TELESCOPE BENCH SUPPORT ASSEMBLY	N/A
14	1	1	2	D1100729	v1	TMS TELESCOPE MIRROR GAUGE ROD	6061-T6 AL
15	1	1	2	D1100728	v1	TMS TELESCOPE DUMMY SECONDARY MIRROR	6061-T6 AL
16	1	1	2	D1101487	v1	TMS TOOLING TELESCOPE O-P ALIGNMENT MIRROR ASSEMBLY	N/A
17	1	1	2	D1101361	v1	TMS TOOLING TELESCOPE I-P ALIGNMENT MIRROR ASSEMBLY	N/A
18	4	1	5	D1001891	v1	aLIGO TMS VERTICLE SEISMIC SAFETY STOP ASSEMBLY	N/A
19	4	0	4	D1101565	v1	aLIGO TMS TELE SAFETY SUPPORT TURNBUCKLE ASSY, FRONT	N/A
20	2	0	2	D1101559	v1	aLIGO TMS TELE SAFETY SUPPORT TURNBUCKLE ASSY, SIDE, LONG	N/A
21	2	0	2	D1101506	v1	aLIGO TMS TELE SAFETY SUPPORT TURNBUCKLE ASSY, SIDE, SHORT	N/A
22	6	0	6	33045T72		EYEBOLT, NON-SHOULDERED, 780# 5/16-18 X 1.88" THREAD (McMASTER CARR OR EQUIV)	304 SSSL
23	6	4	10	96861A700		VENTED FLAT WASHER, .328 ID X .562 OD X .032 THK (McMASTER CARR OR EQUIV)	18-8 SSSL
24	6	4	10	D1100989	v1	NICKEL-COPPER ALLOY 400 .312-18 HEX NUT, MODIFIED	NICKEL-COPPER ALLOY 400
25	1	0	1	D1101575	v1	aLIGO ALLEN WRENCH, FOR TMS VERT.-HOR. SCREW	ALLOY STEEL
26	4	4	8	D1101757	v1	aLIGO TMS Upper SUS Wire Adjuster	6061-T6 AL
27	4	4	8	92200A542		SCREW, SOCKET HEAD CAP, 1/4-20 UNC-2A X 1 LONG (McMASTER CARR OR EQUIV PER MS16995-52)	300 SSSL