



CALIFORNIA INSTITUTE OF TECHNOLOGY
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY

DRWG NO. REV
E1000458 v3

ASSEMBLY NO:
D1001781-v3

OVERALL BILL OF MATERIALS

TITLE: ALIGO TMS SEISMIC STOP SAFETY STRUCTURE

	APPROVALS:	DATE:	REV	DCN NO.	BY	CHECK	DCC	DATE
DRAWN / AUTHOR: <small>(REFERENCE CONTENTS)</small>	CIT, CC	1-Apr-12	v3	E1100345	CC			
CHECKED:								
APPROVED:								
DCC RELEASE								

ITEM NO	REQ ₁ -01 -02	SPARE	TOT	PART NUMBER	REVISION	DESCRIPTION	MATERIAL
1	1	0	1	D1001937	v1	aLIGO TMS EARTHQUAKE STOP CROSS BAR	6061-T6 ALU
2	28	6	34	96861A600 (McM-Carr) or equiv		VENTED FLAT WASHER .255 ID X .468 OD X .031 THK	18-8 SSSL
3	4	0	4	D1001943	v2	aLIGO TMS STOP PLATE	6061-T6 ALU
4	2	0	2	D1001939	v1	aLIGO TMS STOP SIDE BAR	6061-T6 ALU
5	4	2	6	92196A561 (McM-Carr) or equiv		SOCKET HEAD CAP SCREW .25-20 X 5 LG	18-8 SSSL
6	10	3	13	D1101269	v1	NICKEL-COPPER ALLOY 400 .250-20 HEX NUT, MODIFIED	NI-CU ALLOY 400
7	2	1	3	92196A554 (McM-Carr) or equiv		SOCKET HEAD CAP SCREW .25-20 X 3 LG	18-8 SSSL
8	2	0	2	D1001942	v1	aLIGO TMS END BRACKET ROD	304 SSSL
9	14	4	18	98019A390 (McM-Carr) or equiv PER MS15795-813		5/16 FLAT WASHER .375 I.D., .875 O.D., .064-.104 THICK	300 SSSL
10	6	2	8	U-C COMPONENTS C-1812-NA or equiv		SCREW, SOCKET HEAD CAP 5/16-18 UNC-2A X 0.75 LONG	Ag PLATED 300 SSSL
11	1	0	1	D1001941	v1	aLIGO TMS STOP ROD	304 SSSL
12	1	0	1	D1100499	v2	TMS HORIZONTAL RESTRAINT LINK	304 SSSL
13	5	1	6	6436K34 (McM-Carr) or equiv		1/2 X 1 1/8 TWO PIECE COLLAR	316 SSSL
14	30	4	34	AS568A-014		O-RING (APPROVED VITON, SHORE 75) 1/2 ID X 1/16 WD	FLUORO- ELASTOMER
15	4	1	5	AS568A-312		O-RING (APPROVED VITON, SHORE 75) 5/8 ID x 3/16 WD	FLUORO- ELASTOMER
16	1	0	1	D1001929-01	v3	aLIGO TMS SEISMIC SAFETY STOP CHAMBER BRACKET, RIGHT	302 SSSL
17	8	4	12	9713K65 (McM-Carr) or equiv		DISC SPRING .317" ID, .625" OD, .022" THICK 69 Lb @ .010" DEFLECTION	302 SSSL
18	2	1	3	92196A596 (McM-Carr) or equiv		SOCKET HEAD CAP SCREW .3125-18 X 3.25 LG	18-8 SSSL
19	2	1	3	D1100989	v1	NICKEL-COPPER ALLOY 400 .312-18 HEX NUT, MODIFIED	NI-CU ALLOY 400
20	1	0	1	2434K23 (McM-Carr) or equiv		ROD END 3/8-16, 3/8 THRU, 3.5" L	304 SSSL
21	1	2	3	96861A800 (McM-Carr) or equiv		VENTED FLAT WASHER .390 ID, .625 OD, .032 THK	18-8 SSSL
22	1	1	2	90670A031 (McM-Carr) or equiv		HEX NUT 3/8-16	6061-T6 ALU
23	1	1	2	90780A628 (McM-Carr) or equiv		HEX HEAD CAP SCREW .375-16 X 1.50 LG	NI-CU ALLOY 400
24	1	1	2	MS51971-3		HEX NUT, 3/8-16	300 SSSL
25	2	1	3	8947T25 (McM-Carr) or equiv		THREADED MECHANICAL LINK 380# CAPACITY	316 SSSL
26	1	0	1	D1001929-02	v3	aLIGO TMS SEISMIC SAFETY STOP CHAMBER BRACKET, LEFT	302 SSSL
27	4	2	6	92200A544 (McM-Carr) or equiv PER MS16995-53		SCREW, SOCKET HEAD CAP 1/4-20 UNC-2A X 1.25 LONG	300 SSSL
28	2	0	2	D1100988	v1	aLIGO TMS SEISMIC SAFETY STOP CHAIN	304 SSSL

1) -01 AND -02 VERSIONS ARE MADE FROM THE IDENTICAL SET OF PARTS.