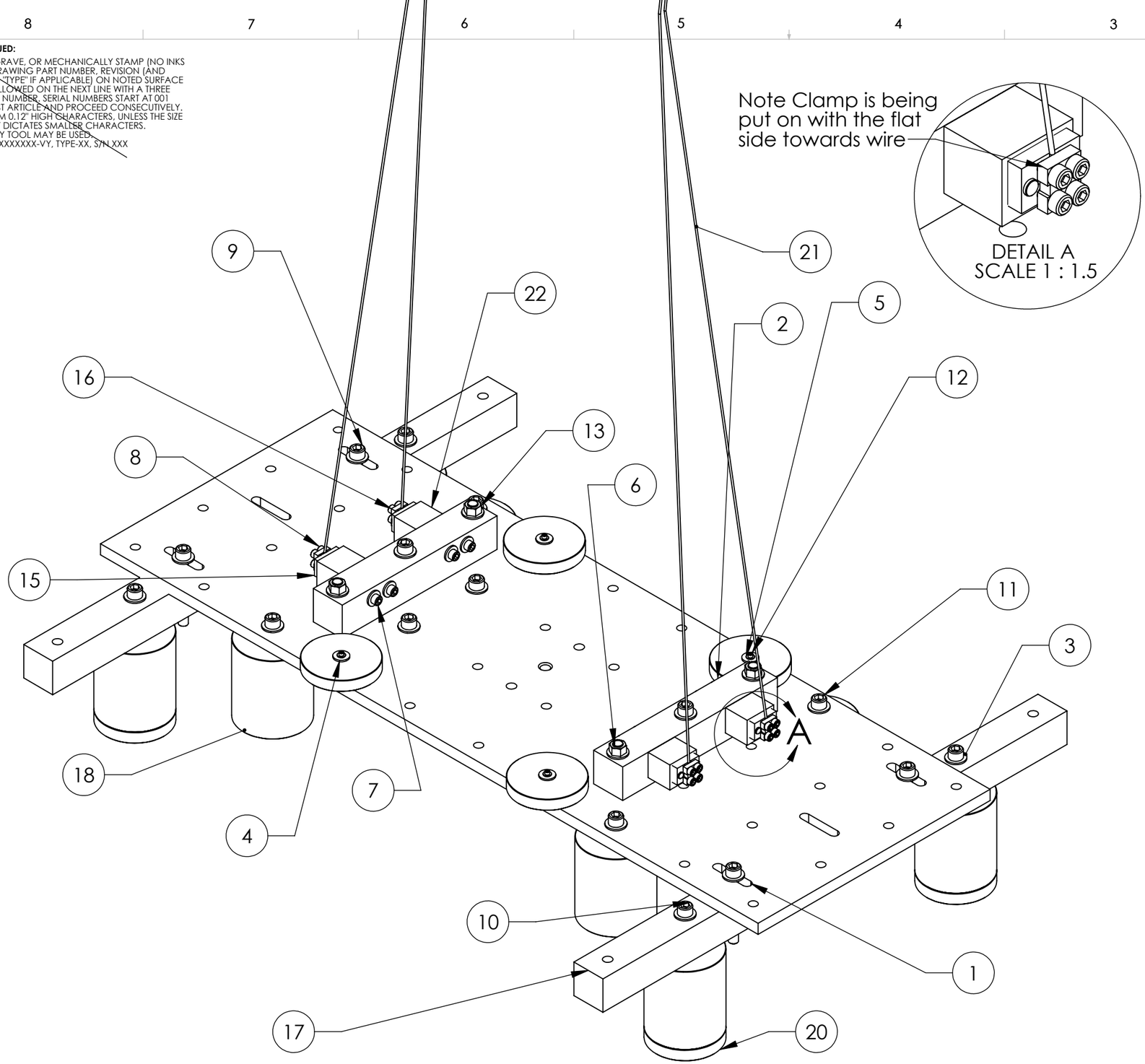
NOTES CONTINUED:

5. SCRIBE, ENGRAVE, OR MECHANICALLY STAMP (NO INKS OR DYES) DRAWING PART NUMBER, REVISION (AND VARIANT OR "TYPE" IF APPLICABLE) ON NOTED SURFACE OF PART FOLLOWED ON THE NEXT LINE WITH A THREE DIGIT SERIAL NUMBER. SERIAL NUMBERS START AT 001 FOR THE FIRST ARTICLE AND PROCEED CONSECUTIVELY. USE MINIMUM 0.12" HIGH CHARACTERS, UNLESS THE SIZE OF THE PART DICTATES SMALLER CHARACTERS. A VIBRATORY TOOL MAY BE USED.
EXAMPLE: DXXXXXXX-VY, TYPE-XX, S/N XXX

REV.	DATE	DCN #	DRAWING TREE #
v1	9-19-12	E1000317	
v2	9-25-12	TO FOLLOW	
v3	4-19-13	to follow	E1200793
v4	7-9-13		



Note Clamp is being put on with the flat side towards wire

DETAIL A
SCALE 1 : 1.5

ITEM NO.	PART NUMBER	QTY.
24	D1201330aLigo TMS Test Mass Balance Ball Dummy Mass	1
23	D1201313 aLIGO_TMS_TEST_MASS_RING .25kg_w-scr	2
22	D1201301 aLigo Spacer Test Tele Mass Wire Clamp	4
21	ref. Tele Suspension wire	as shown
20	D1002102_aLIGO_TMS_TEST_MASS_RING	10
19	92311A623 MC MASTER-SST- SOCKET SET SCREW 0.375-16X 0.875 LONG	6
18	D1002101_aLIGO_TMS_TEST_MASS_DISK	10
17	D1002099_aLIGO_TMS_TEST_MASS_LONGBAR	2
16	D1002239 aLIGO TMS Tele Wire Clamp Jaw	4
15	D1002240 aLIGO TMS Tele Wire Clamp Base	4
14	ZINK PLATED HEX NUT #4-40	4
13	D1201341 _90810A031 mc master nickel alloy HEX NUT 3/8-16	8
12	92196A119 mc master SST - SHCS #4-40 UNC-2A X 1.5" LONG	4
11	92196A624-mcmaster SST SHCS 0.375-16 X 1" LONG	6
10	92196A632 mc master - SST- SHCS 0.375-16 X 2" LONG	4
9	92196A636 mc master SST- SHCS-0.375-16 X 3" LONG	4
8	U-C products Silver Pl-SST SHCS #10-32 X 0.5 lg	16
7	Silver plated SST-SHCS SCREW 0.25-20 X 3 LONG	8
6	92196A634-mc master- SST -SHCS 0.375-16 X 2.5 LONG	6
5	98019A310 mc master #4, MS 15795-804 WASHERS	8
4	98019A355 mc master 0.25in, MS 15795-810 FLAT WASHERS	16
3	98019A399 -0.375in, MS 15795-814 FLAT WASHERS	28
2	D1002100_aLIGO_TMS_TEST_MASS_SHORTBAR	2
1	D1002098_aLIGO_TMS_TEST_MASS_PLATE	1

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, R.02 MIN.
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: --
FINISH: -- µinch

LIGO — CALIFORNIA INSTITUTE OF TECHNOLOGY, MASSACHUSETTS INSTITUTE OF TECHNOLOGY

SYSTEM: ADVANCED LIGO
SUB-SYSTEM: AOS
NEXT ASSY:

PART NAME: aLIGO_TMS_TEST_MASS_ASEM

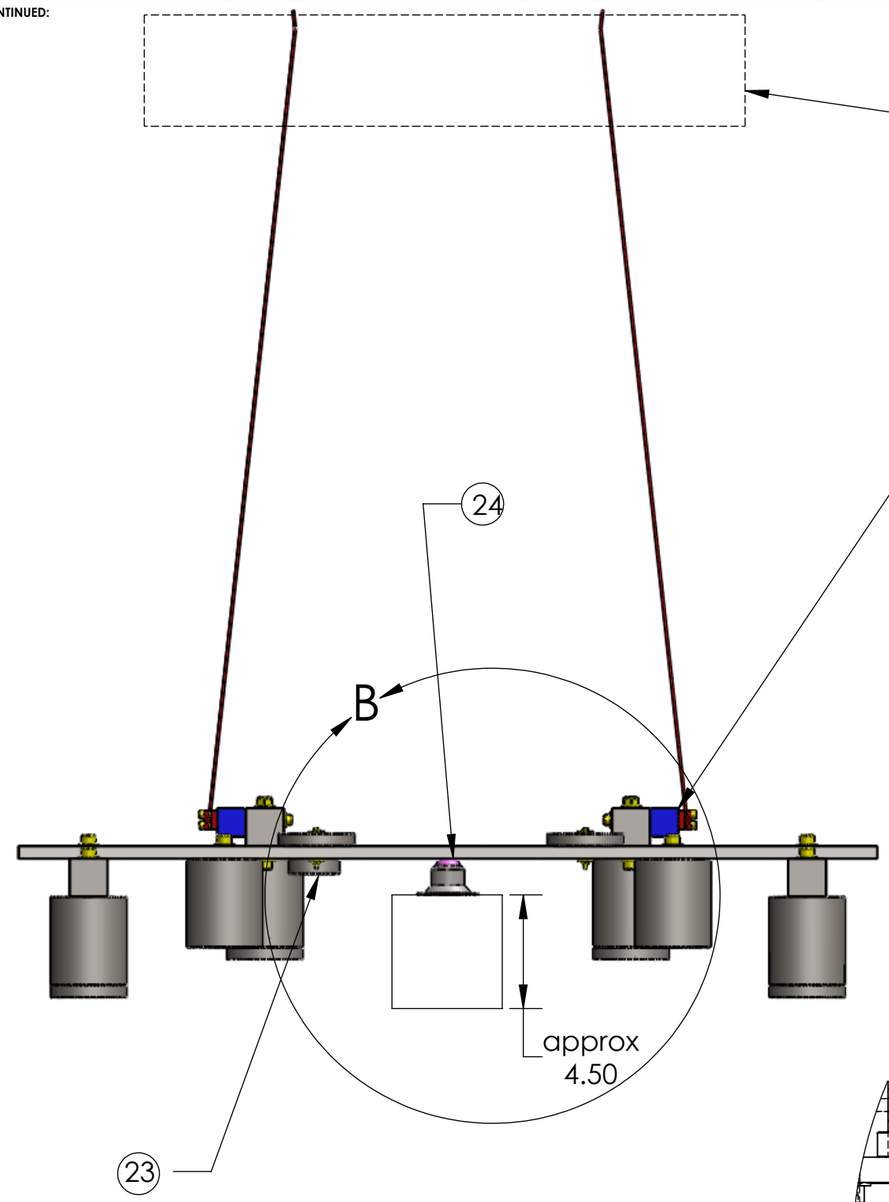
DESIGNER	KMAILAND	08-11-2010	
DRAFTER	KMAILAND	08-11-2010	
CHECKER			
APPROVAL			

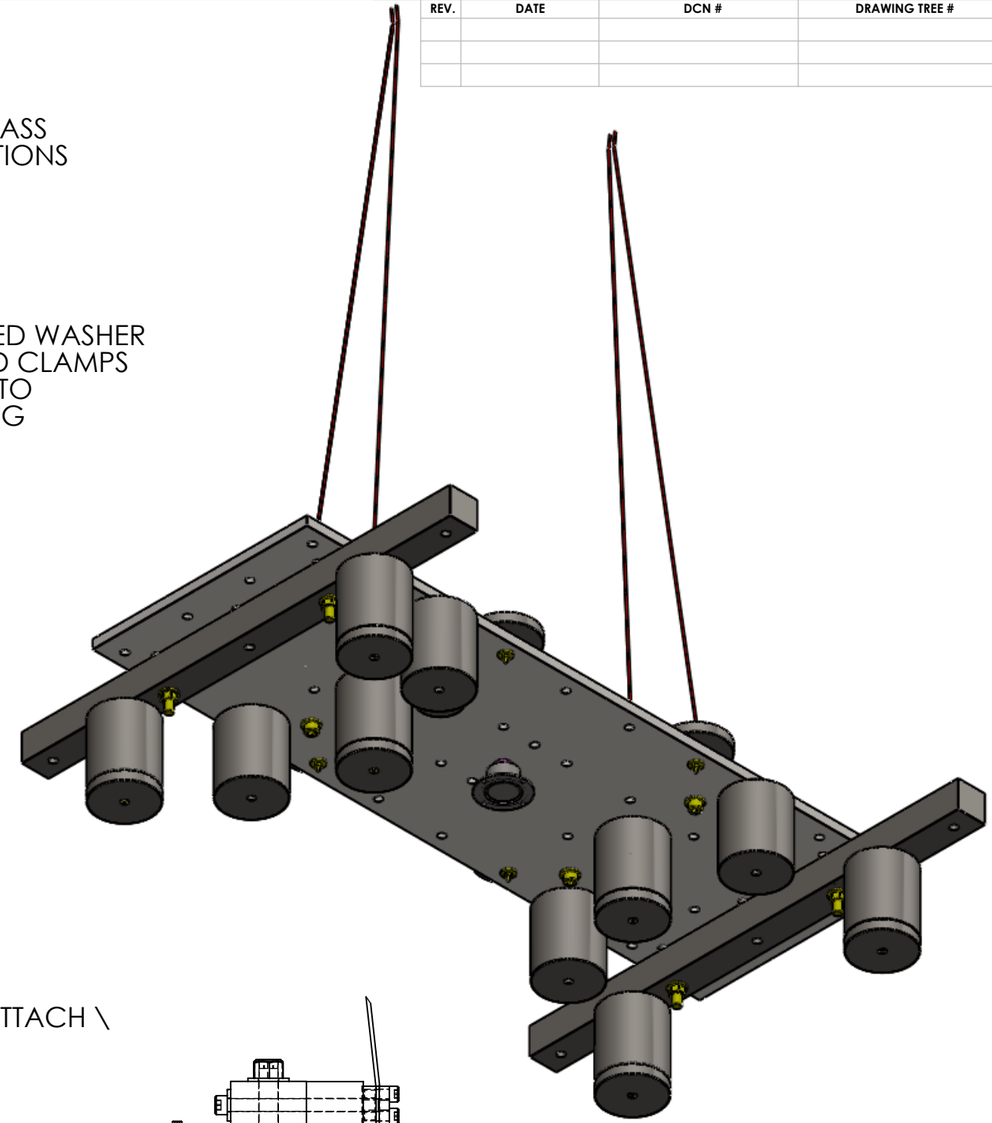
SIZE: B | DWG. NO.: D1002097 | REV.: v4
SCALE: 1:12 | PROJECTION: | SHEET 1 OF 2

D1002097_aLIGO_TMS_TEST_MASS_ASEM, PART PDM REV: X-027, DRAWING PDM REV: X-019

NOTES CONTINUED:

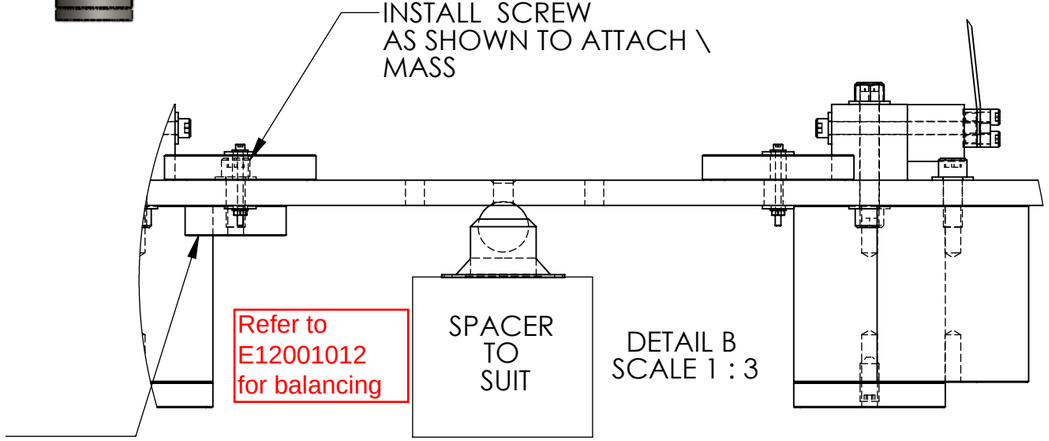
REV.	DATE	DCN #	DRAWING TREE #





THIS MASS (2) IS SHOWN FOR ATTACHMENT ILLUSTRATION
AND NOT FOR POSITION

NOTE: ALL OTHER MASSES ARE
SHOWN IN PROPER LOCATION
THE ADDITION OF MASSES
SHOULD MATCH THE TELESCOPE AND TABLE ASSEMBLY
MASS



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, R.02 MIN.
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: --
FINISH: --
NEXT ASSY:

LIGO — CALIFORNIA INSTITUTE OF TECHNOLOGY, MASSACHUSETTS INSTITUTE OF TECHNOLOGY

PART NAME: aLIGO_TMS_TEST_MASS_ASEM

SYSTEM: ADVANCED LIGO
SUB-SYSTEM: AOS

DESIGNER	KMAILAND	11-19-2009
DRAFTER	KMAILAND	08-11-2010
CHECKER		
APPROVAL		

SIZE: B | DWG. NO.: D1002097 | REV.: v4

SCALE: 1:12 | PROJECTION: | SHEET 2 OF 2

D1002097_aLIGO_TMS_TEST_MASS_ASEM, PART PDM REV: X-027, DRAWING PDM REV: X-019