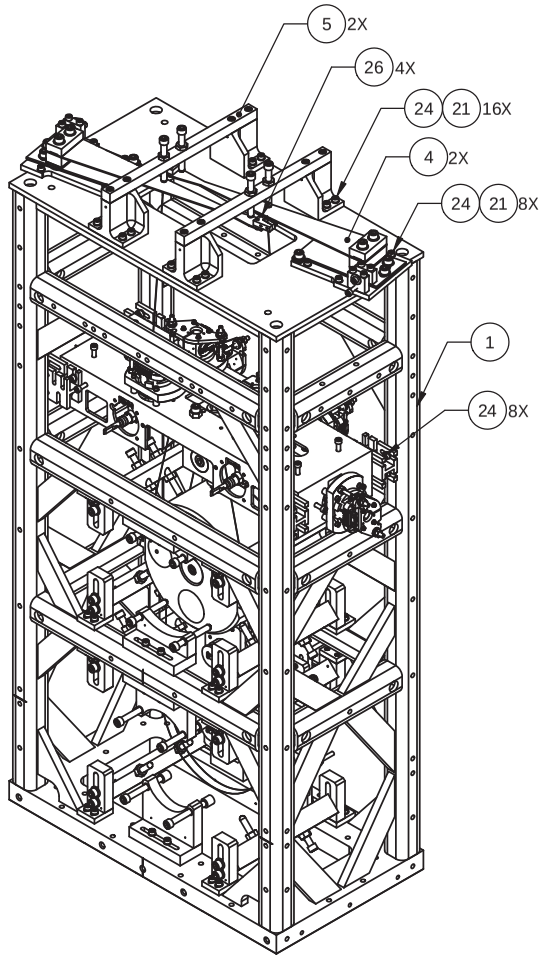
NOTES CONTINUED:

⑤ SCRIBE, ENGRAVE (A VIBRATORY TOOL MAY BE USED), LASER MARK 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. EXAMPLE: DXXXXXXX-VY, TYPE-XX, S/N XXX

REV.	DATE	DCN #	DRAWING TREE #
A	01 JUL 2004	E040303-00	E030507-A
v1	30 OCT 2009	E0900354	E0900353
v2	19 APR 2013	E1300286	E0900353



ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	No Test Mass/ QTY.	SPARE	TOTAL
29	-	WASHER, FLAT, #2 (NAS 620-C2 OR EQUIVALENT)	300 SSTL	8		0
28	-	SCREW, SOCKET HEAD CAP, #2-56 UNC-2A X 0.25 LONG	Ag-PLATED 300 SSTL	8		0
27	-	SCREW, SOCKET HEAD CAP, #8-32 UNC-2A X 0.75 LONG	Ag-PLATED 300 SSTL	8		0
26	-	SCREW, SOCKET HEAD CAP, #4-40 UNC-2A X 0.375 LONG	Ag-PLATED 300 SSTL	4		0
25	D020346	TABLECLOTH BRACKET	6061-T6 Al	4		0
24	-	SCREW, SOCKET HEAD CAP, #8-32 UNC-2A X 0.5 LONG	Ag-PLATED 300 SSTL	88		0
23	-	WASHER, FLAT, #4 (NAS 620-C4 OR EQUIVALENT)	300 SSTL	12		0
22	-	SCREW, SOCKET HEAD CAP, #8-32 UNC-2A X 0.5 LONG	300 SSTL	6		0
21	-	WASHER, FLAT, #8 (NAS 620-C8 OR EQUIVALENT)	300 SSTL	106		0
20	-	SCREW, SOCKET HEAD CAP, #4-40 UNC-2A X 0.375 LONG	300 SSTL	12		0
19	-	SCREW, SOCKET HEAD CAP, #8-32 UNC-2A X 1 LONG	Ag-PLATED 300 SSTL	4		0
18	D0902208	LOWER AOSEM ALIGNMENT ASSY, BOTTOM MASS	N/A	1		0
17	D0901902	LOWER WIRE ASSEMBLY, HSTS	N/A	1		0
16	D0901924	AOSEM ALIGNMENT ASSY, TEST MASS	N/A	2		0
15	D0902208	LOWER AOSEM ALIGNMENT ASSY, TEST MASS	N/A	1		0
14	D0901924	AOSEM ALIGNMENT ASSY, INTERMEDIATE MASS	N/A	2		0
13	D0902207	UPPER AOSEM ALIGNMENT ASSY, TEST MASS	N/A	1		0
12	D0902207	UPPER AOSEM ALIGNMENT ASSY, BOTTOM MASS	N/A	1		0
11	D0902203	BARREL EQ STOP ASSY, INT. WIRE	N/A	2		0
10	D0902201	BARREL EQ STOP ASSY, LOWER MASS	N/A	6		0
9	D0902413	FACE EQ STOP ASSY, INT. MASS	N/A	2		0
8	D0902205	FACE EQ STOP ASSY, BOTTOM MASS	N/A	2		0
7	D0901905	INTERMEDIATE WIRE ASSEMBLY, HSTS	N/A	4		0
6	D0901854	HSTS UPPER WIRE ASSEMBLY	N/A	2		0
5	D0901934	TOP BLADE GUARD ASSEMBLY, HSTS	N/A	2		0
4	D1000045	ROTATIONAL ADJUSTER ASSY	N/A	2		0
3	D020535	UPPER MASS AND COIL HOLDER ASSEMBLY	N/A	1		0
2	D0901873	INTERMEDIATE MASS ASSEMBLY, HSTS	N/A	1		0
1	D020023	STRUCTURAL WELDMENT ASSEMBLY, HSTS	304, 316, OR 302 SSTL	1		0

PARTS LIST

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)

DIMENSIONS ARE IN

TOLERANCES:
.XX ±
.XXX ±

ANGULAR ± °

1. INTERPRET DRAWING PER ASME Y14.5-1994.
2. REMOVE ALL SHARP EDGES, .005-.015. FOR MACHINED PARTS. ROUND ALL EDGES APPROXIMATLEY 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.

MATERIAL N/A

FINISH N/A µinch

LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

SYSTEM ADVANCED LIGO

SUB-SYSTEM SUS

NEXT ASSY D040391

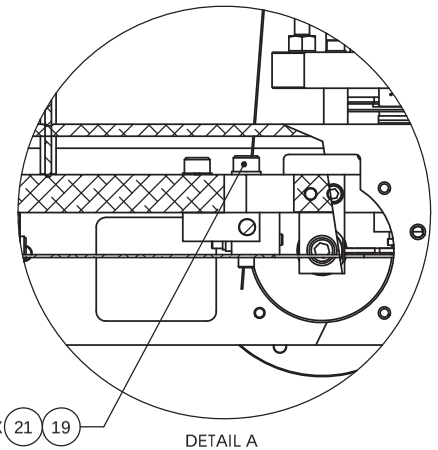
PART NAME HSTS OVERALL ASSEMBLY

DESIGNER	M. MEYER	20 AUG 2009	
DRAFTER	B. MOORE	10 APR 2013	
CHECKER	D. BRIDGES	19 APR 2013	
APPROVAL			

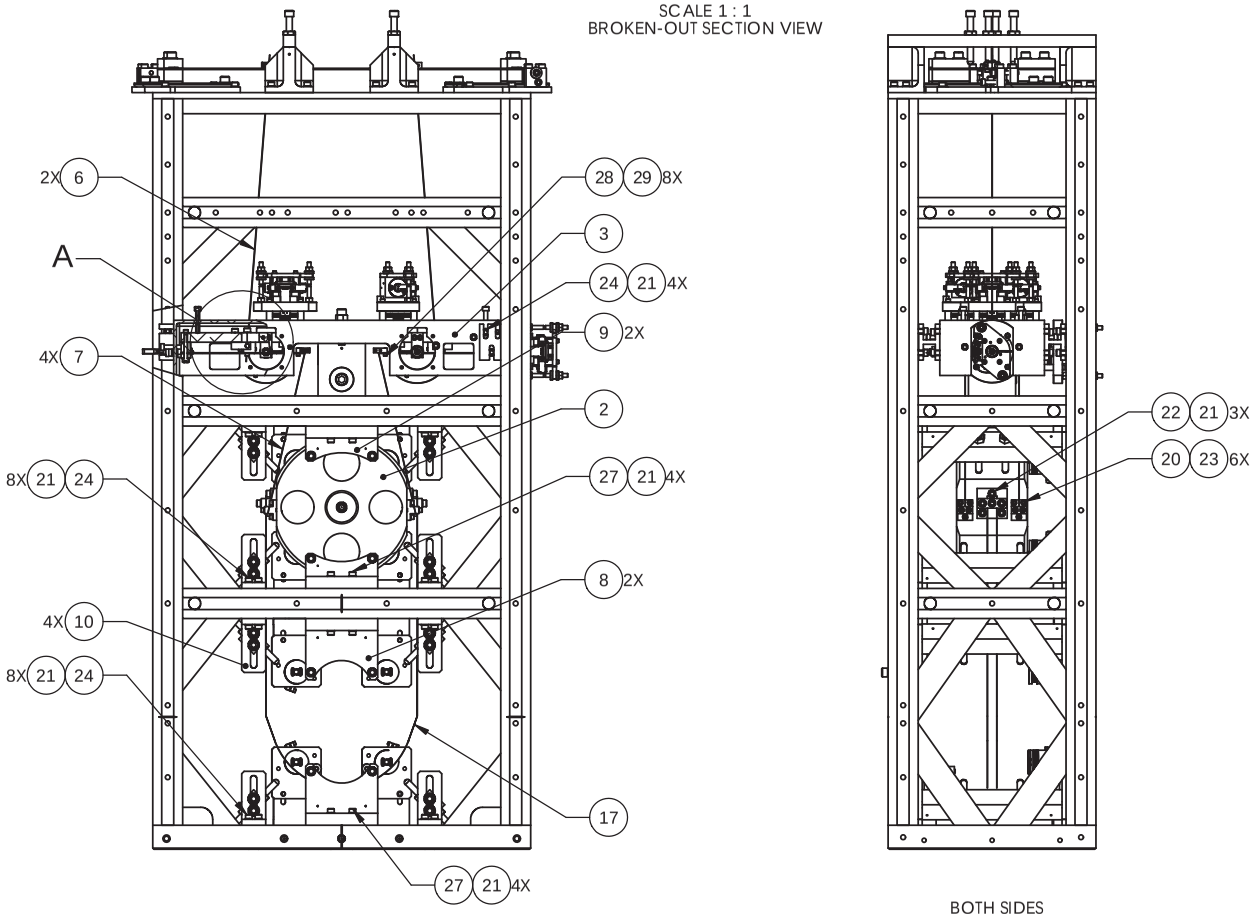
SIZE C **DWG. NO.** D020700 **REV.** v2

SCALE: 1:4 **PROJECTION:** SHEET 1 OF 2

D020700_Assembly_ModeCleanerSuspension, PART PDM REV: X-115, DRAWING PDM REV:



DETAIL A
SCALE 1 : 1
BROKEN-OUT SECTION VIEW



BOTH SIDES

LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		
SIZE C	DWG. NO. D020700	REV. v2
SCALE: 1:4	PROJECTION:	SHEET 2 OF 2