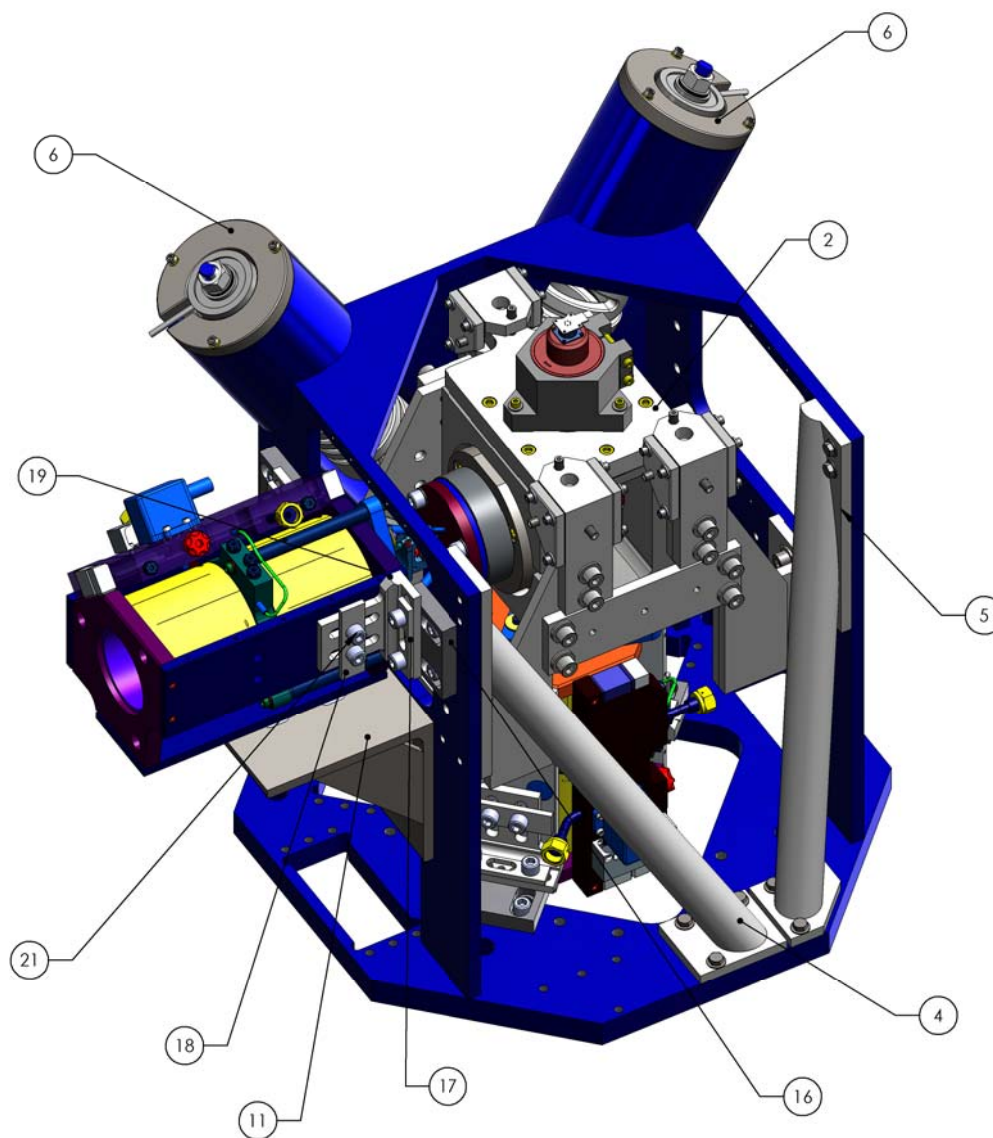


NOTES CONTINUED:  
 4. VENDOR REFERENCES ARE PROVIDED AS EXAMPLES OF PARTS MEETING ALL REQUIRED SPECIFICATIONS. EQUIVALENTS ARE ALWAYS ACCEPTABLE UNLESS OTHERWISE SPECIFIED.  
 5. REFER TO LIGO E0900357 FOR ASSEMBLY AND LOADING PROCEDURE.  
 6. ALL ITEMS SHOWN IN THEIR NOMINAL ZERO LOAD CONDITION.

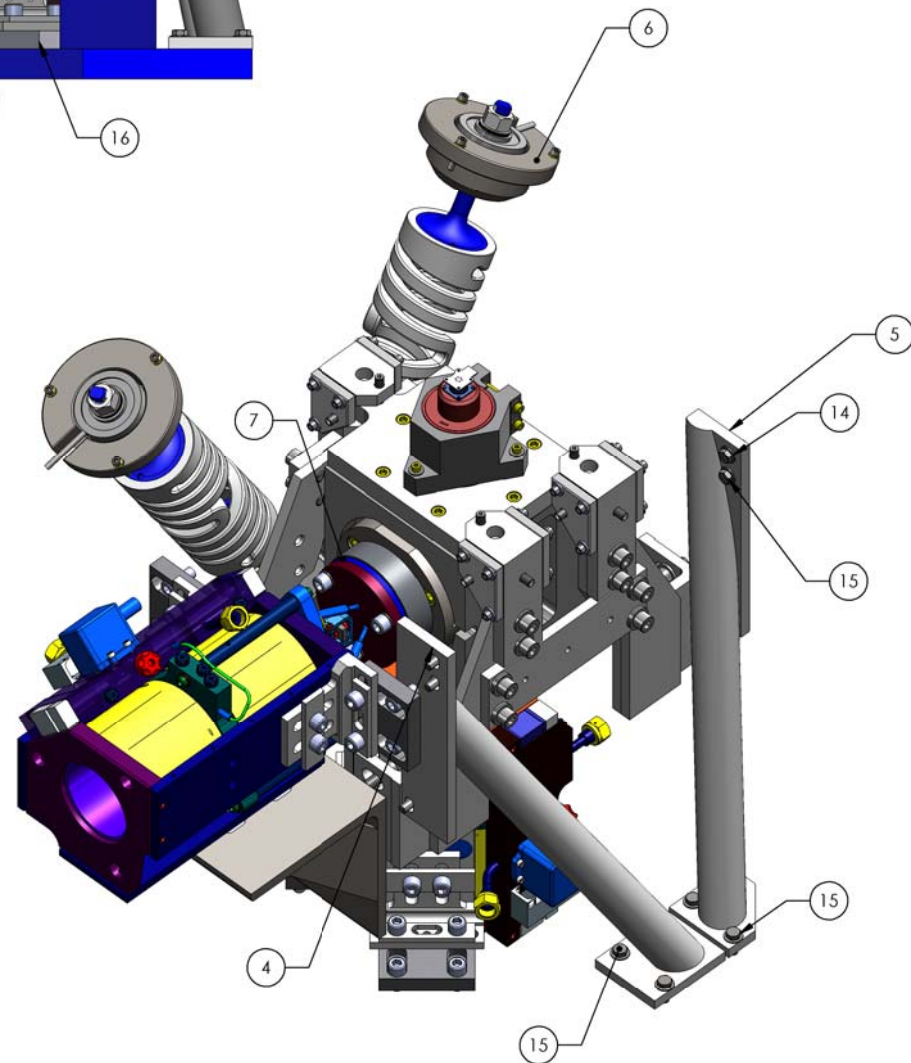
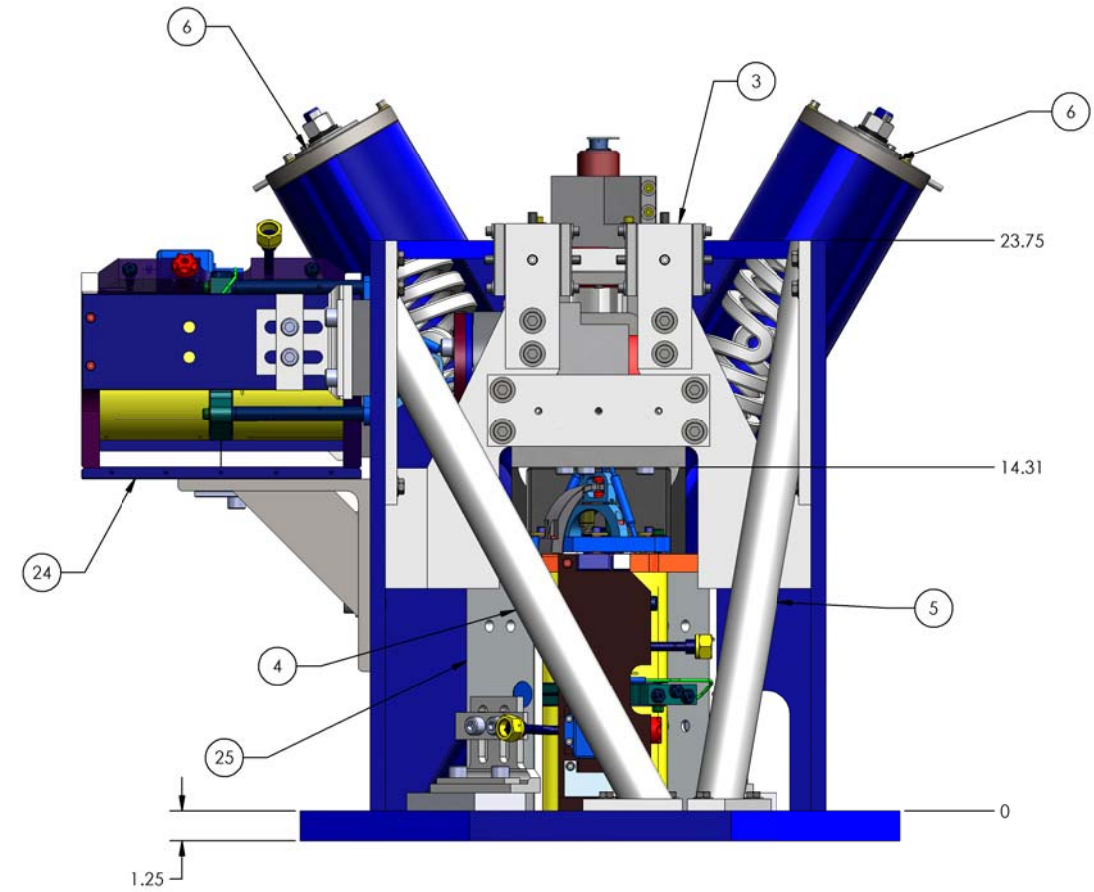
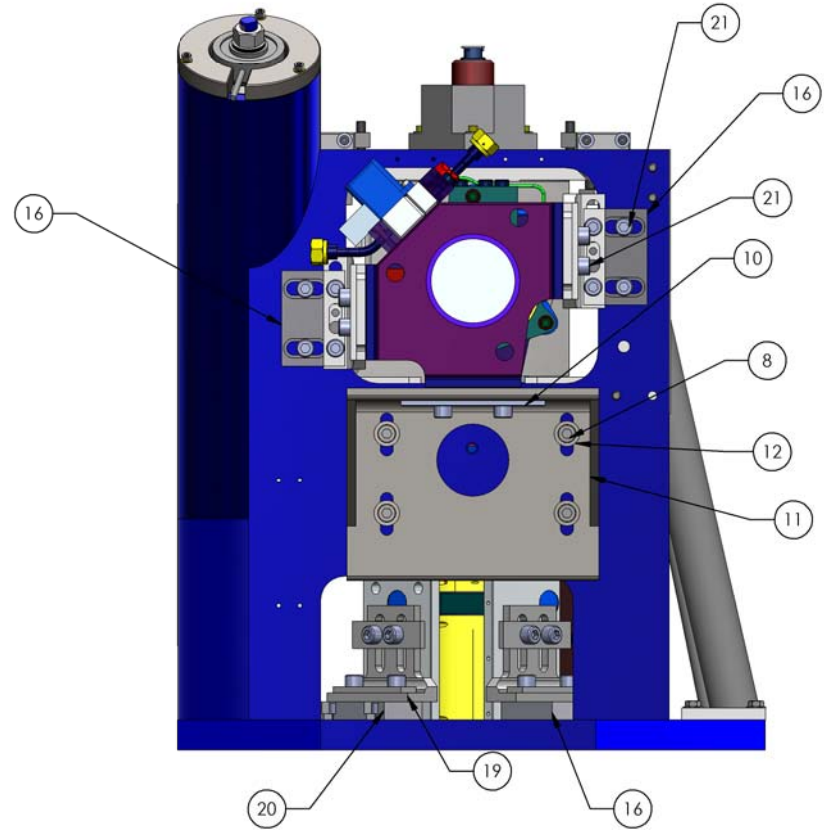
REV.	DATE	DCN #	DRAWING TREE #
v1	1 Mar 2011	E1100015	E1100016



ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	REQ
1	D020004	HOUSING HYDRAULIC ASSEMBLY	ASTM A36 Steel	1
2	D1100145	HEPI CROSSBEAM ATTACHMENT, αLIGO HAM LEFT	SEE BOM	1
3	D080496	HAM HEPI CAGING ASSEMBLY	SEE BOM	1
4	D020331	PRE-ISOLATOR ASSEMBLY, HOUSING STIFFENER, LEFT, ACTUATOR	ASTM A519 Steel	1
5	D020330	PRE-ISOLATOR ASSEMBLY, HOUSING STIFFENER, RIGHT, PANEL	ASTM A519 Steel	1
6	D1003359	HEPI SPRING ASSEMBLY, HAM, αLIGO SEI	SEE BOM	2
7	D1100474	UNIFIED HYDRAULIC ACTUATOR SHIM, αLIGO HEPI	6061-T6 Al	1
8	HOLOKROME_78114	SCREW, 1/2-13 X 1.25 LG, SCHS	18-8 SS	4
9	HOLOKROME_73132	SHCS 1/2-20 x 1.25	Alloy Steel	17
10	D030694	Horizontal Angle Mount Backup Plate Hydraulic Isolator	ASTM A36 Steel	1
11	D020016	Horizontal Angle Mount Hydraulic Isolator	ASTM A36 Steel	1
12	MCMaster_90126A033	Flat Washer, .53 id x 1.06 od x .07-.13 thk	Plain Carbon Steel	12
13	MCMaster_98017A210	Flat Washer, 1/2" Screw, .51"x.88"x.06"	AISI 304	6
14	MCMaster_97416A127	WASHER .406 ID X .813 OD X (.05-.08) THK	Alloy Steel	12
15	MCMaster_92965A624	HEX SCREW 3/8-16 X 1" LG.	Alloy Steel	12
16	D1100315	UNIFIED HYDRAULIC ACTUATOR BRACKET BASE 1, αLIGO HEPI	AISI 1018 Steel Cold Rolled	4
17	D1100318	UNIFIED HYDRAULIC ACTUATOR BRACKET WASHER BAR 1, αLIGO HEPI	AISI 1018 Steel, Cold Rolled	5
18	D1100319	UNIFIED HYDRAULIC ACTUATOR BRACKET WASHER BAR 2, αLIGO HEPI	AISI 1018 Steel, Cold Rolled	5
19	D1100473	UNIFIED HYDRAULIC ACTUATOR BRACKET, αLIGO HEPI	AISI 1018 Steel, Cold Rolled	5
20	D1100316	UNIFIED HYDRAULIC ACTUATOR BRACKET BASE 2, αLIGO HEPI	AISI 1018 Steel Cold Rolled	1
21	HOLOKROME_73130	SHCS 1/2-20 x 1.00	Alloy Steel	20
22	MSC_67007768	SCREW 1/2-20 x 1.5, SHCS	Alloy Steel	3
23	MSC_76588631	SCREW, 1/2-13 X 1.125 LG, SCHS	Alloy Steel	8
24	D020284-02	HORIZONTAL ACTUATOR ASSEMBLY	N/A	1
25	D020284-01	VERTICAL ACTUATOR ASSEMBLY	N/A	1

DIMENSIONS ARE IN N/A TOLERANCES: .XX ± N/A .XXX ± N/A ANGULAR ± N/A *		NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED) 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.		CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		PART NAME <b>HEPI MAIN SUPPORT ASSEMBLY, αLIGO HAM LEFT</b>									
MATERIAL		FINISH		SYSTEM		SUB-SYSTEM		DESIGNER		SIZE		DWG. NO.		REV.	
SEE BOM		N/A μinch		NEXT ASSY		ADVANCED LIGO SEI		A. STEIN		15 Apr, 2009		D		v1	
						D040002		K. MASON		1 Mar 2011		D1100144			
								K. MASON		1 Mar 2011		SCALE: 1:4		PROJECTION:  SHEET 1 OF 2	

D1100144 HEPI MAIN SUPPORT ASSEMBLY, αLIGO HAM LEFT, PART PDM REV: X.024, DRAWING PDM REV: X.001



<b>LIGO</b> CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		
SIZE	DWG. NO.	REV.
D	D1100144	v1
SCALE: 1:4	PROJECTION:	SHEET 2 OF 2

D1100144 HEPI MAIN SUPPORT ASSEMBLY, LIGO HAM LET, PART PDM REV: X-024, DRAWING PDM REV: X-001