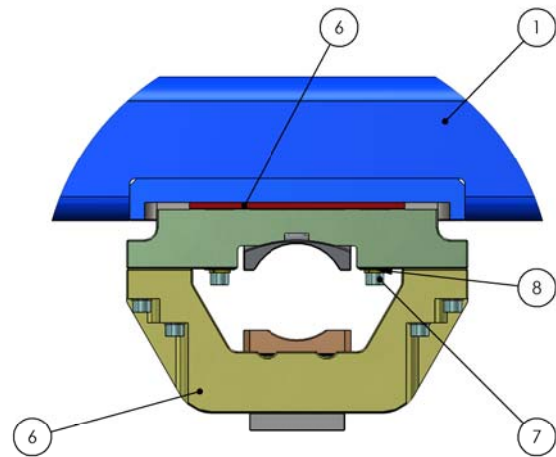
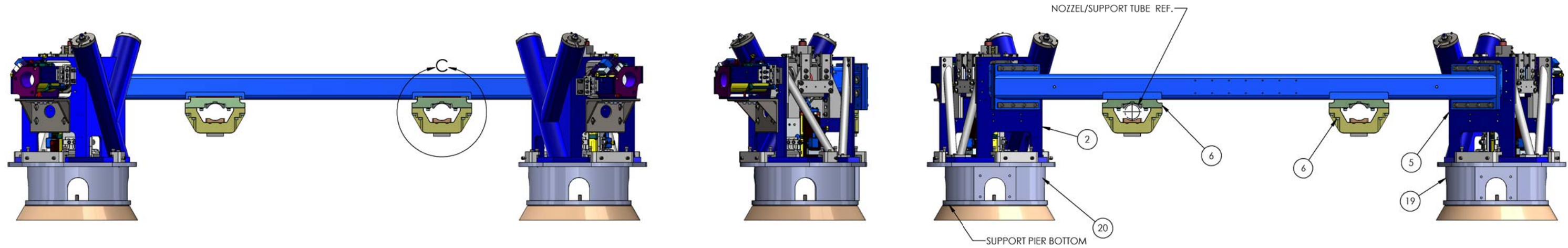


NOTES CONTINUED:  
 4. VENDOR REFERENCES ARE PROVIDED AS EXAMPLES OF PARTS MEETING ALL REQUIRED SPECIFICATIONS. EQUIVALENTS ARE ALWAYS ACCEPTABLE UNLESS OTHERWISE SPECIFIED.  
 5. REFER TO LIGO E0900357 FOR ASSEMBLY AND LOADING PROCEDURE.

REV.	DATE	DCN #	DRAWING TREE #
v2	22 Mar. 2011	E1100015	E1100016

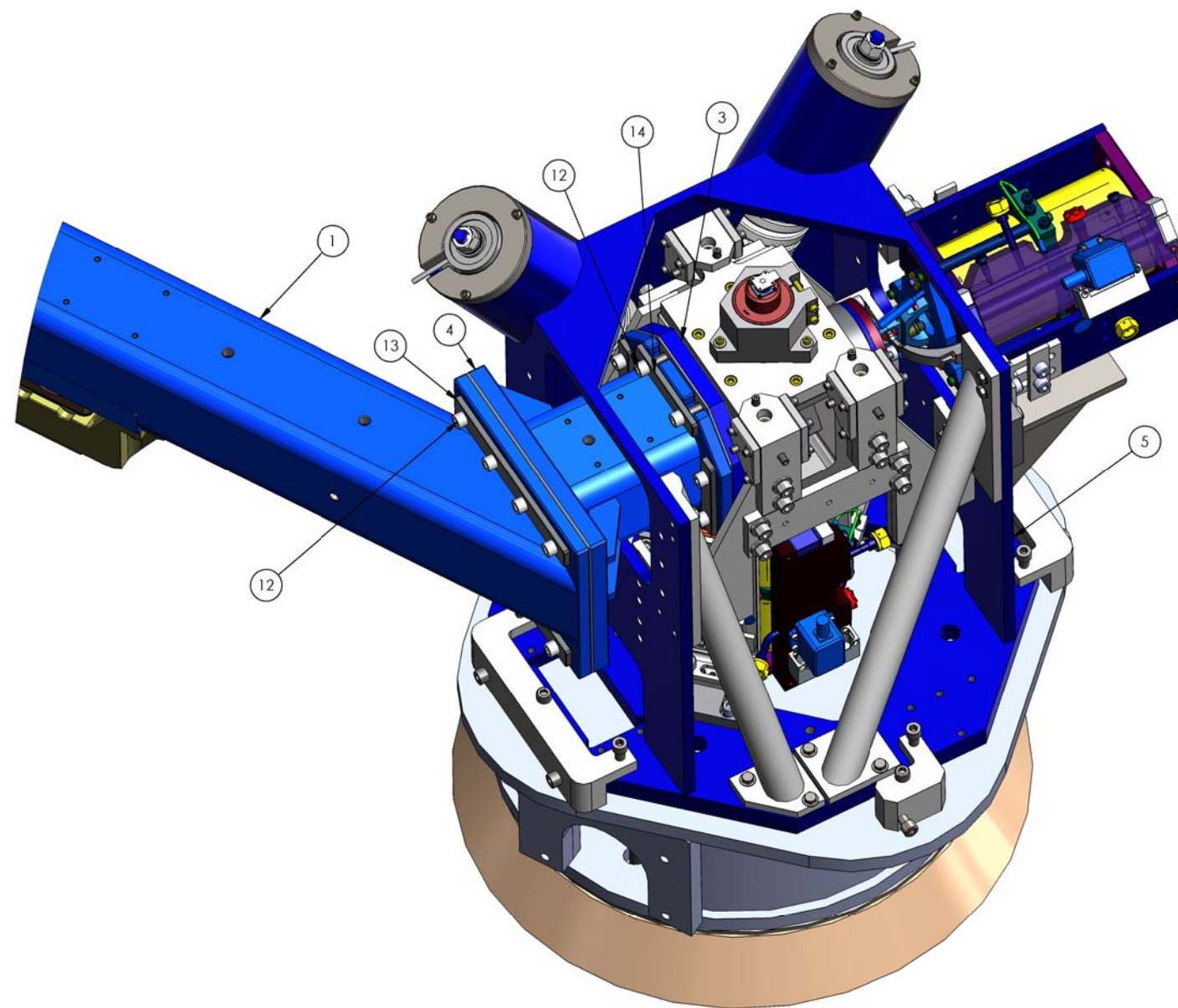


DETAIL C  
SCALE 1 : 4

19	D020126-1	SUPPORT PIER RIGHT, αLIGO HAM HEPI	ASTM A36 Steel	1	-
20	D030366-3	SUPPORT PIER LEFT, αLIGO HAM HEPI	ASTM A36 Steel	1	-
20	D030366-1	SUPPORT PIER LEFT, αLIGO HAM HEPI	ASTM A36 Steel	-	1
19	D020126-3	SUPPORT PIER RIGHT, αLIGO HAM HEPI	ASTM A36 Steel	-	1
18	D030369	OFFSET CLAMP ASSEMBLY RIGHT, αLIGO HEPI	SEE BOM	1	1
17	D030438	OFFSET CLAMP ASSEMBLY, αLIGO HEPI	SEE BOM	1	1
16	D030367	DOUBLE CLAMP ASSEMBLY, αLIGO HEPI	SEE BOM	4	4
15	D1100529	STRAIGHT CLAMP ASSEMBLY, αLIGO HEPI	SEE BOM	2	2
14	D080699	Crossbeam Washer Plate #2	303/304 SS	8	8
13	D080698	Crossbeam Washer Plate #1	303/304 SS	4	4
12	HOLKROME_78120	SHCS, 1/2"-13x2.0"	300 SSSL	40	40
11	D080700	Crossbeam Washer Disc	303/304 SS	8	8
10	HOLKROME_78114	SCREW, 1/2-13 X 1.25 LG, SCHS	18-8 SS	16	16
9	BOKER FLAT WASHER	WASHER 1.25 OD X .508 ID X .048-.062 THK	302 SSSL	8	8
8	McMaster_92146A033	Split Lock Washer 1/2	18-8 SSSL	8	8
7	McMaster_91274A488	Screw, SHCS 1/2-13 x 3.75 Alloy Steel,Black oxide	Alloy Steel	8	8
6	D080373	Clamp Asm, HAM Support Tube	SEE BOM	2	2
5	D1100146	HEPI MAIN SUPPORT ASSEMBLY, αLIGO HAM RIGHT	SEE BOM	1	1
4	D080462	HAM Crossbeam Connector Weldment	See BOM	2	2
3	D080465	HAM Crossbeam HEPI Adapter	AISI 1018 Steel, Cold Rolled	2	2
2	D1100144	HEPI MAIN SUPPORT ASSEMBLY, αLIGO HAM LEFT	SEE BOM	1	1
1	D080456	HAM Straight Crossbeam Weldment	See BOM	1	1
ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	LLO/QTY	LHO/QTY

DIMENSIONS ARE IN INCHES 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.		CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		PART NAME <b>HEPI TOP LEVEL ASSEMBLY, αLIGO HAM</b>											
MATERIAL		FINISH		NEXT ASSY		SYSTEM <b>ADVANCED LIGO</b>		SUB-SYSTEM <b>SEI</b>		DESIGNER O.SPJELD 06 Jan. 2004		SIZE <b>D</b>		DWG. NO. <b>D040002</b>		REV. <b>v2</b>	
N/A		N/A μinch		D1000514		DRAFTER MHILLARD 22 Mar. 2011		CHECKER KMASON 22 Mar. 2011		APPROVAL KMASON 22 Mar. 2011		SCALE: 1:12		PROJECTION:		SHEET 1 OF 2	

D040002 HEPI-HAM TOP LEVEL ASSEMBLY, PART PDM REV: X-023, DRAWING PDM REV: X-002



<b>LIGO</b> CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		
SIZE	DWG. NO.	REV.
D	D040002	v2
SCALE: 1:12	PROJECTION:	SHEET 2 OF 2

D040002 HEFHAM TOW LEVEL ASSEMBLY PART PDM REV. X-003 DRAWING PDM REV. X-002