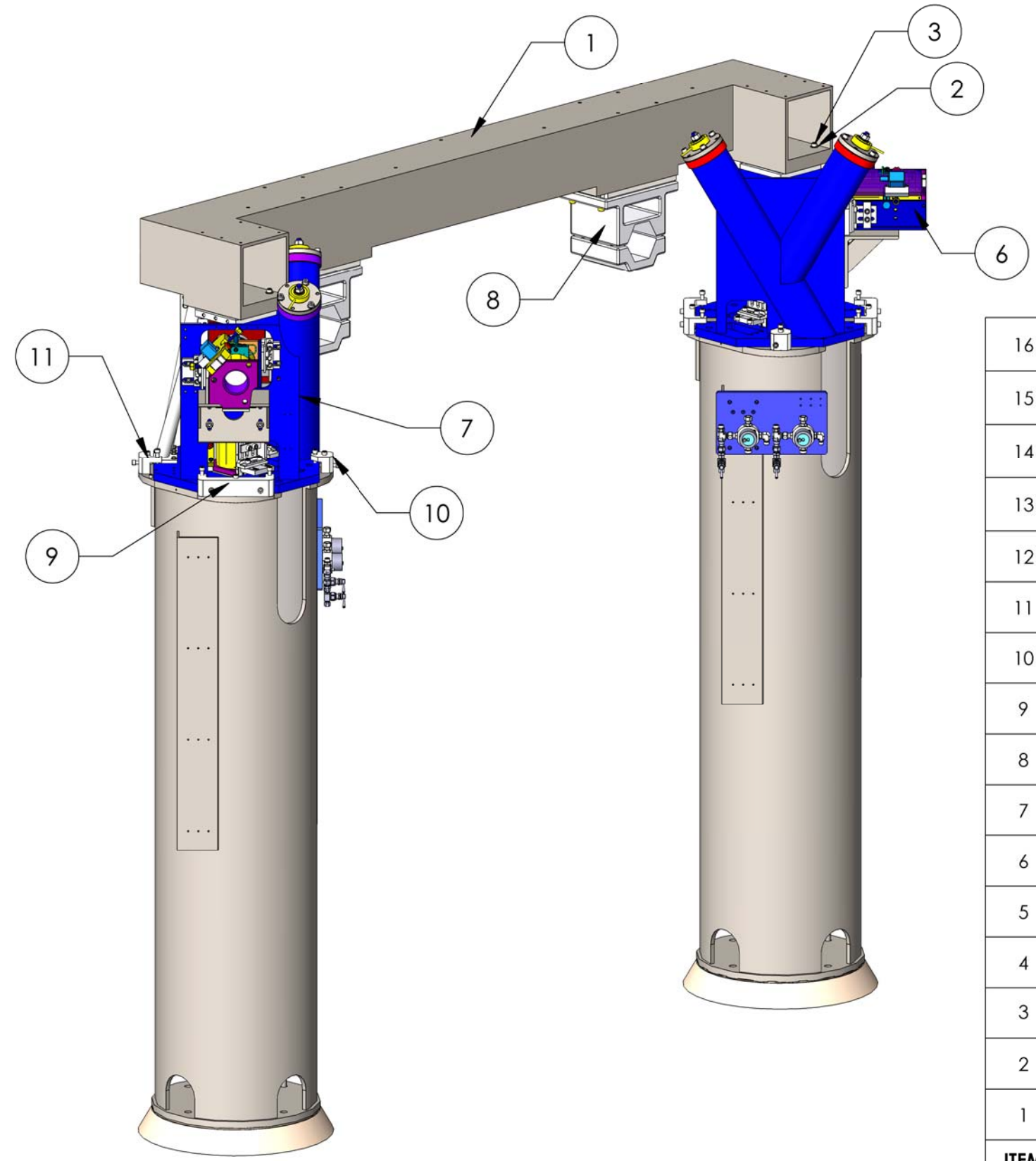


REV.	DATE	DCN #	DRAWING TREE #
v1	15 Apr. 2011	E1100015	E1100016



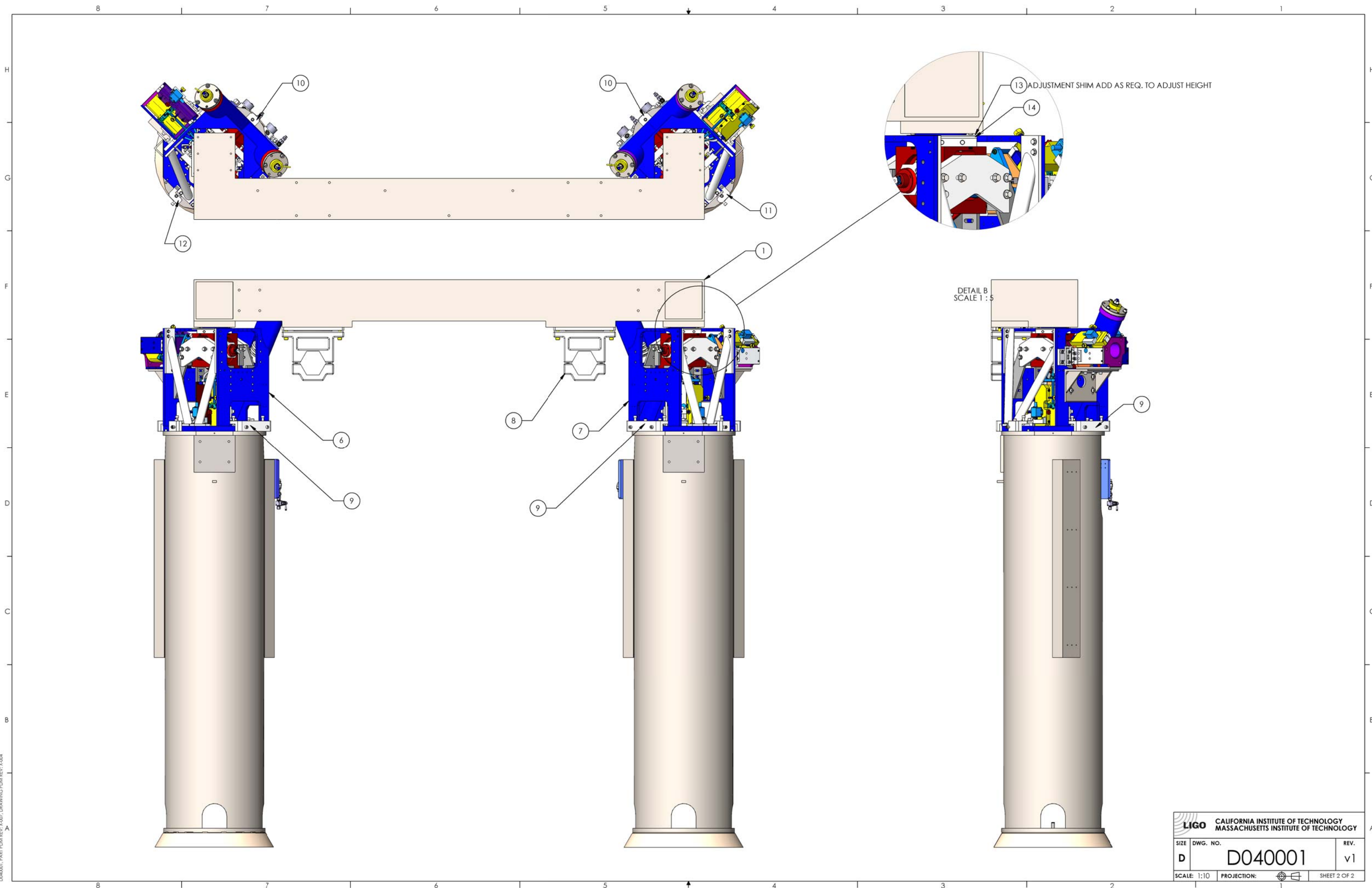
ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	QTY.LLO	QTY.LHO
16	D972128-1	BSC SUPPORT PIER LHO, αLIGO HEPI BSC	ASTM A36 Steel	-	2
15	D972128-3	BSC SUPPORT PIER LLO, αLIGO HEPI BSC	ASTM A36 Steel	2	-
14	D030700-2	HEPI HEIGHT ADJUSTMENT SHIMS, αLIGO BSC	AISI 1018 Steel, Cold Rolled	AS REQ.	2
13	D030700-1	HEPI HEIGHT ADJUSTMENT SHIMS, αLIGO BSC	AISI 1018 Steel, Cold Rolled	AS REQ.	2
12	D030438	OFFSET CLAMP ASSEMBLY, αLIGO HEPI	SEE BOM	1	1
11	D030369	OFFSET CLAMP ASSEMBLY RIGHT, αLIGO HEPI	SEE BOM	1	1
10	D1100529	STRAIGHT CLAMP ASSEMBLY, αLIGO HEPI	SEE BOM	2	2
9	D030367	DOUBLE CLAMP ASSEMBLY, αLIGO HEPI	SEE BOM	4	4
8	D1100612	SUPPORT TUBE CLAMP ASSY, αLIGO HEPI BSC	SEE BOM	2	2
7	D1100242	HEPI MAIN SUPPORT ASSEMBLY, αLIGO BSC LEFT	SEE BOM	1	1
6	D1100241	HEPI MAIN SUPPORT ASSEMBLY, αLIGO BSC LEFT	SEE BOM	1	1
5		FOUR WAY VALVE	--	1	1
4		FOUR WAY VALVE	--	1	1
3	HOLOKROME_77540	SCREW 1/2-20 X 4" SHCS	Alloy Steel	8	8
2	MCMaster_98049A640	WASHER 1/2 ID X 1 1/8 OD X .11 THK	18-8 SSSL	8	8
1	D972118	CROSSBEAM WELDMENT, αLIGO BSC HEPI	ASTM A36 Steel	1	1

NOTES:
5. VENDOR REFERENCES ARE PROVIDED AS EXAMPLES OF PARTS MEETING ALL REQUIRED SPECIFICATIONS. EQUIVALENTS ARE ALWAYS ACCEPTABLE UNLESS OTHERWISE SPECIFIED.
6. REFER TO LIGO E0900357 FOR ASSEMBLY AND LOADING PROCEDURE.
7. APPLY ITEMS 15 AND 16 AS REQ TO ADJUST HEIGHT.

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)	
DIMENSIONS ARE IN INCHES	1. INTERPRET DRAWING PER ASME Y14.5-1994.
TOLERANCES: .XX ± N/A .XXX ± N/A	2. REMOVE ALL SHARP EDGES, R.02 MIN.
ANGULAR ± N/A*	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	SEE BOM
FINISH	N/A μinch

PARTS LIST		PART NAME	
LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		HEPI TOP LEVEL ASSY, αLIGO BSC	
SYSTEM	ADVANCED LIGO	DESIGNER	O.SPJELD 08 June 2004
SUB-SYSTEM	SEI	DRAFTER	M.HILLARD 15 Apr. 2011
NEXT ASSY	D1000513	CHECKER	K.MASON 15 Apr. 2011
		APPROVAL	K.MASON 15 Apr. 2011
		SIZE	B
		DWG. NO.	D040001
		REV.	v1
		SCALE	1:20
		PROJECTION	⊕ ⊞
		SHEET	1 OF 2

D040001, PART PDM REV: X-007, DRAWING PDM REV: X-004



DETAIL B
SCALE 1:5

13 ADJUSTMENT SHIM ADD AS REQ. TO ADJUST HEIGHT

LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		REV.
SIZE	DWG. NO.	REV.
D	D040001	v1
SCALE: 1:10	PROJECTION:	SHEET 2 OF 2

D040001.PAR PDM REV: X.007 DRAWING PDM REV: X.004