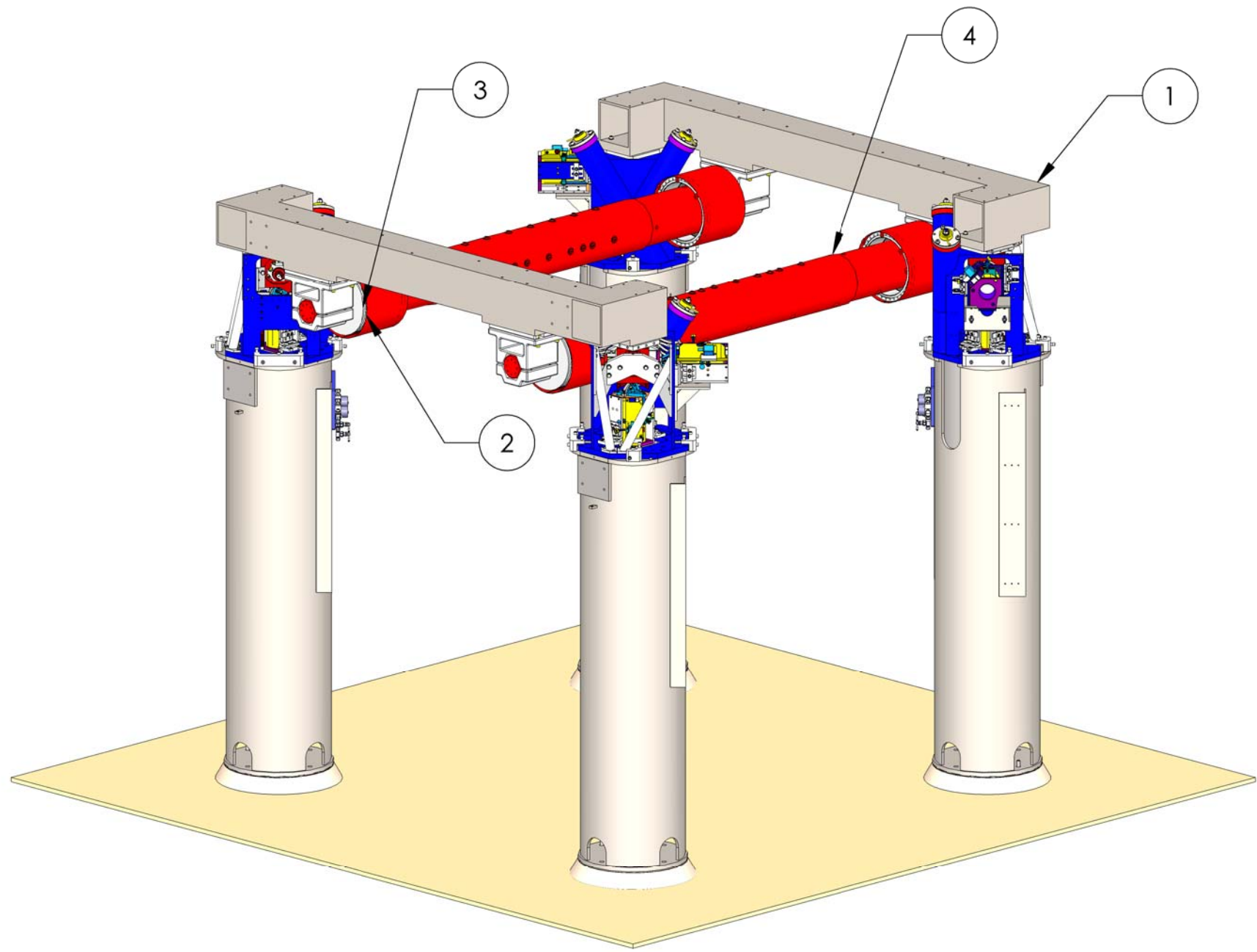


REV.	DATE	DCN #	DRAWING TREE #
v1	18 Apr. 2011	E1100015	E1100016



Final Support Tube height needed for each BSC chamber is given in the z-global column of "E1200625 aligo local coordinates of support tube ends". This final adjustment will be made by adjusting the height of the HEPI boot by adjusting the top nuts on the springs, and then repositioning the actuators to new location.

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Nominal position of the center of the support tube is +Z 1130.3mm, relative to Global Coordinate System

4	D972121	BSC SUPPORT TUBE	N/A	2
3	D972122	BSC EXPANSION BELLOWS ASSEMBLY	SEE BOM	4
2	D980239	BELLOWS GUARD, HEPI, aLIGO BSC	304, 316 OR 302 SSSL	4
1	D040001	HEPI TOP LEVEL ASSY, aLIGO BSC	SEE BOM	2
ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	Full Complete/QTY.

PARTS LIST

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)				LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		PART NAME	
DIMENSIONS ARE IN INCHES TOLERANCES: .XX ± N/A .XXX ± N/A ANGULAR ± N/A *				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.		HEPI ASSEMBLY, BSC aLIGO	
						SYSTEM ADVANCED LIGO SUB-SYSTEM SEI NEXT ASSY BSC CHAMBERS	DESIGNER M.HILLARD 12 Jan. 2011 DRAFTER M.HILLARD 18 Apr. 2011 CHECKER K.MASON 18 Apr. 2011 APPROVAL K.MASON 18 Apr. 2011

D1000513 HEPI, BSC, Chamber Level Assem, aLIGO SEI, PART PDM REV: X-01.5, DRAWING PDM REV: X-000