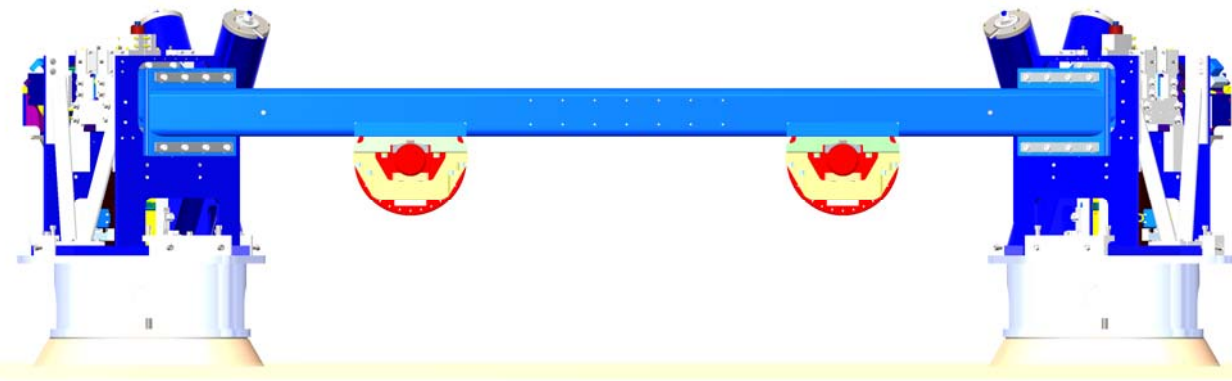
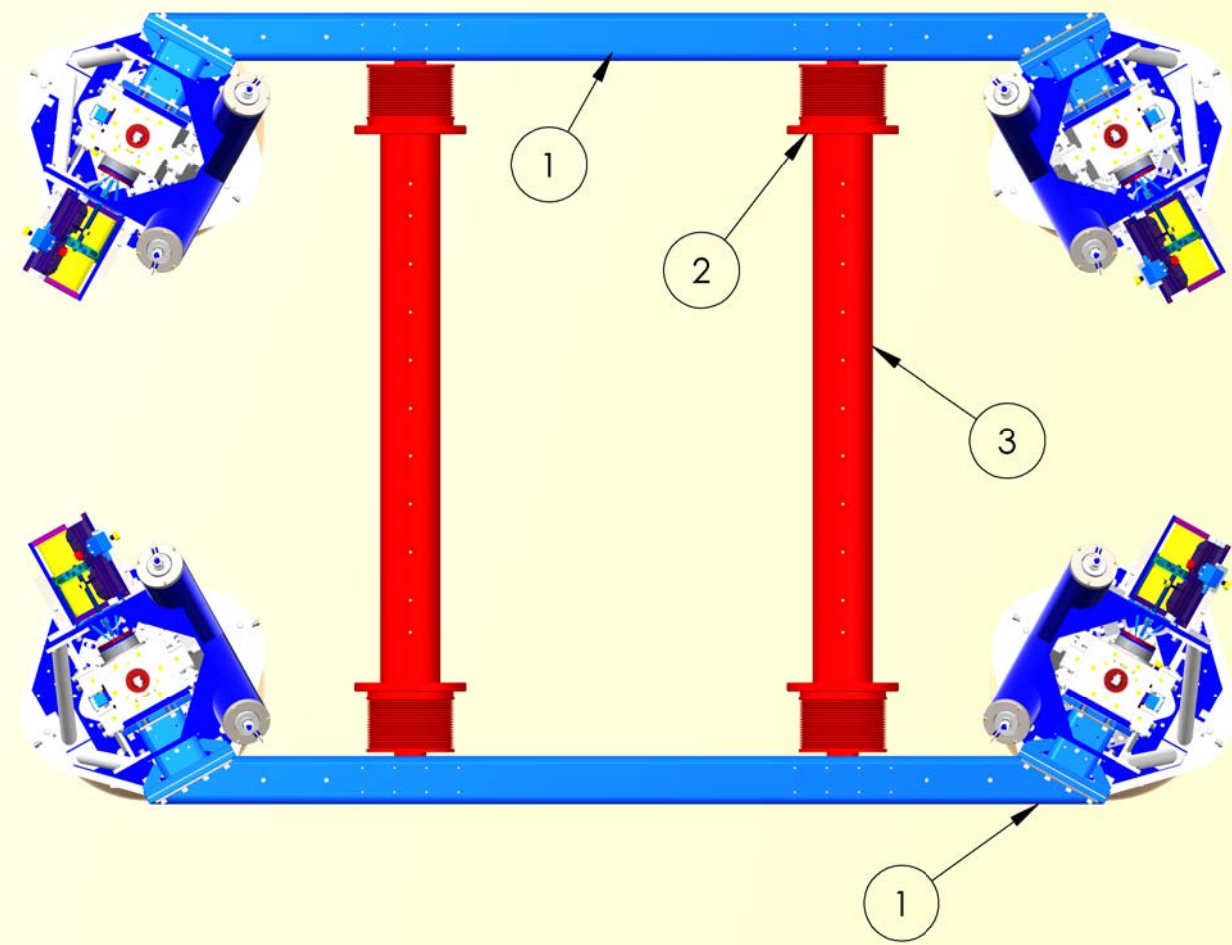


D1000514 HEPI, HAM, Chamber Level Assem, aLIGO SEI, PART PDM REV: X-044, DRAWING PDM REV: X-000

| REV. | DATE        | DCN #    | DRAWING TREE # |
|------|-------------|----------|----------------|
| v1   | 24 Mar 2011 | E1100015 | E1100016       |
|      |             |          |                |
|      |             |          |                |



| ITEM NO. | PART NUMBER | DESCRIPTION                        | MATERIAL | Full Complete/REQ |
|----------|-------------|------------------------------------|----------|-------------------|
| 3        | D972610     | HAM SUPPORT TUBE                   | N/A      | 2                 |
| 2        | D972611     | LIGO HAM EXPANSION BELLOWS         | SEE BOM  | 4                 |
| 1        | D040002     | HEPI TOP LEVEL ASSEMBLY, aLIGO HAM | N/A      | 2                 |

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.

|  |  |   |  |   |  |   |  |
|--|--|---|--|---|--|---|--|
| DIMENSIONS ARE IN INCHES               |  | NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)  |  | CALIFORNIA INSTITUTE OF TECHNOLOGY<br>MASSACHUSETTS INSTITUTE OF TECHNOLOGY |  | PART NAME   |  |
| TOLERANCES:<br>.XX ± N/A<br>.XXX ± N/A |  | 1. INTERPRET DRAWING PER ASME Y14.5-1994.<br>2. REMOVE ALL SHARP EDGES, .03 x 45°.<br>3. DO NOT SCALE FROM DRAWING. |  | SYSTEM: ADVANCED LIGO    SUB-SYSTEM: SEI                                    |  | DESIGNER: S.BARNUM    8 Mar. 2010    SIZE: B    DWG. NO.: D1000514  |  |
| ANGULAR ± N/A *                        |  | MATERIAL: SEE BOMS  |  | FINISH: N/A μinch   |  | CHECKER: K.MASON    24 Mar 2011<br>APPROVAL: K.MASON    24 Mar 2011 |  |
|  |  | NEXT ASSY: HAM CHAMBERS   |  | SCALE: 1:24   |  | PROJECTION:     SHEET 1 OF 2  |  |

D1000514 HEPI, HAM, Chamber Level Assem, aLIGO SEI, PART PDM REV: , DRAWING PDM REV: X-000

8 7 6 5 4 3 2 1

D

D

C

C

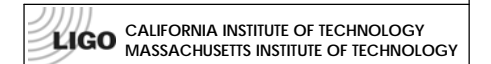
B

B

A

A

|  |               |
|--|---------------|
| measured dim                                     | 12.007        |
| pier height                                      | 10.17         |
| grout plate                                      | not installed |
| support $\phi$ to grout top as measured at Lasti | 21.73         |



|             |             |              |
|-------------|-------------|--------------|
| SIZE<br>B   | DWG. NO.    | REV.<br>V1   |
| SCALE: 1:24 | PROJECTION: | SHEET 2 OF 2 |

8 7 6 5 4 3 2 1