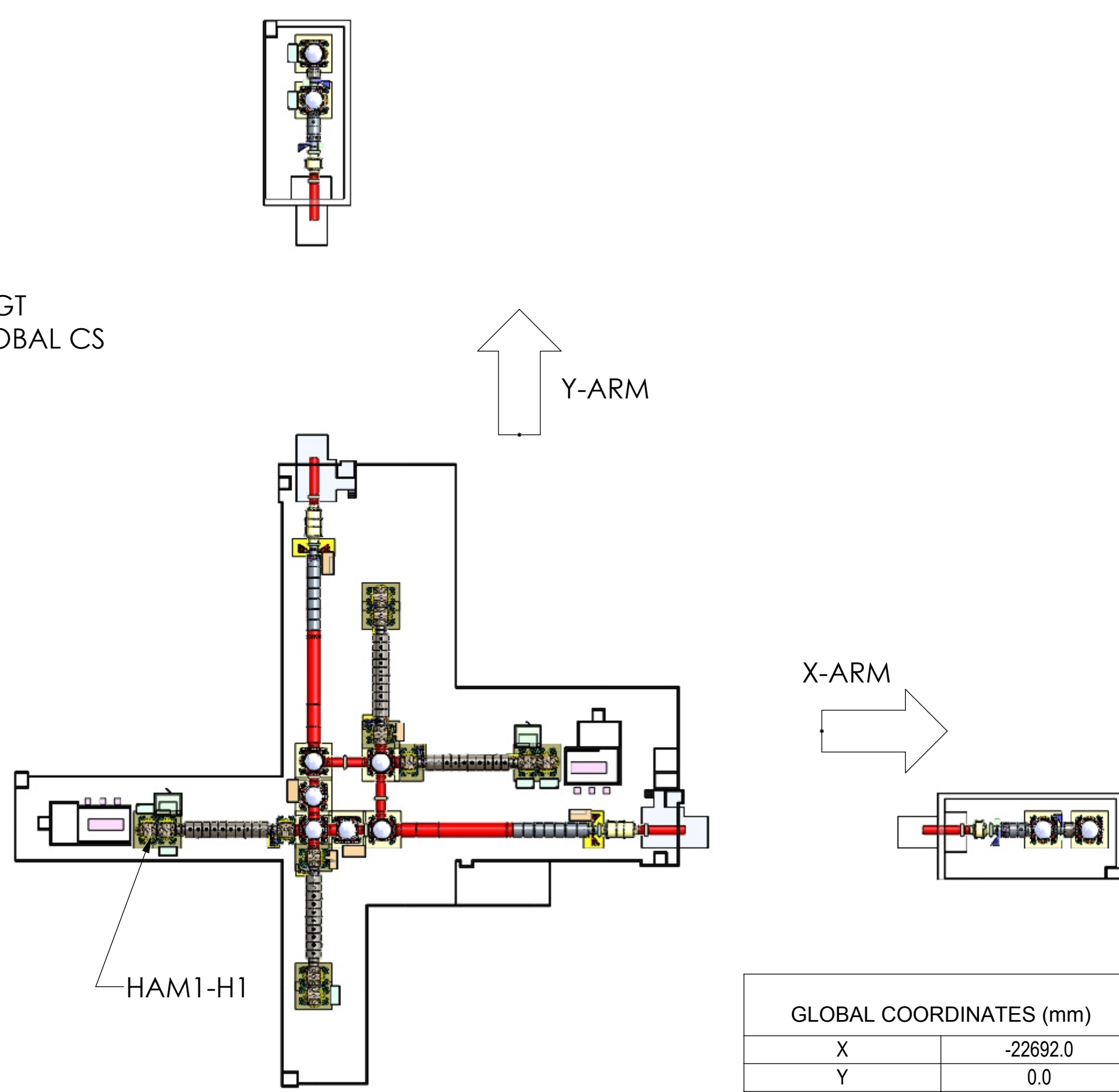
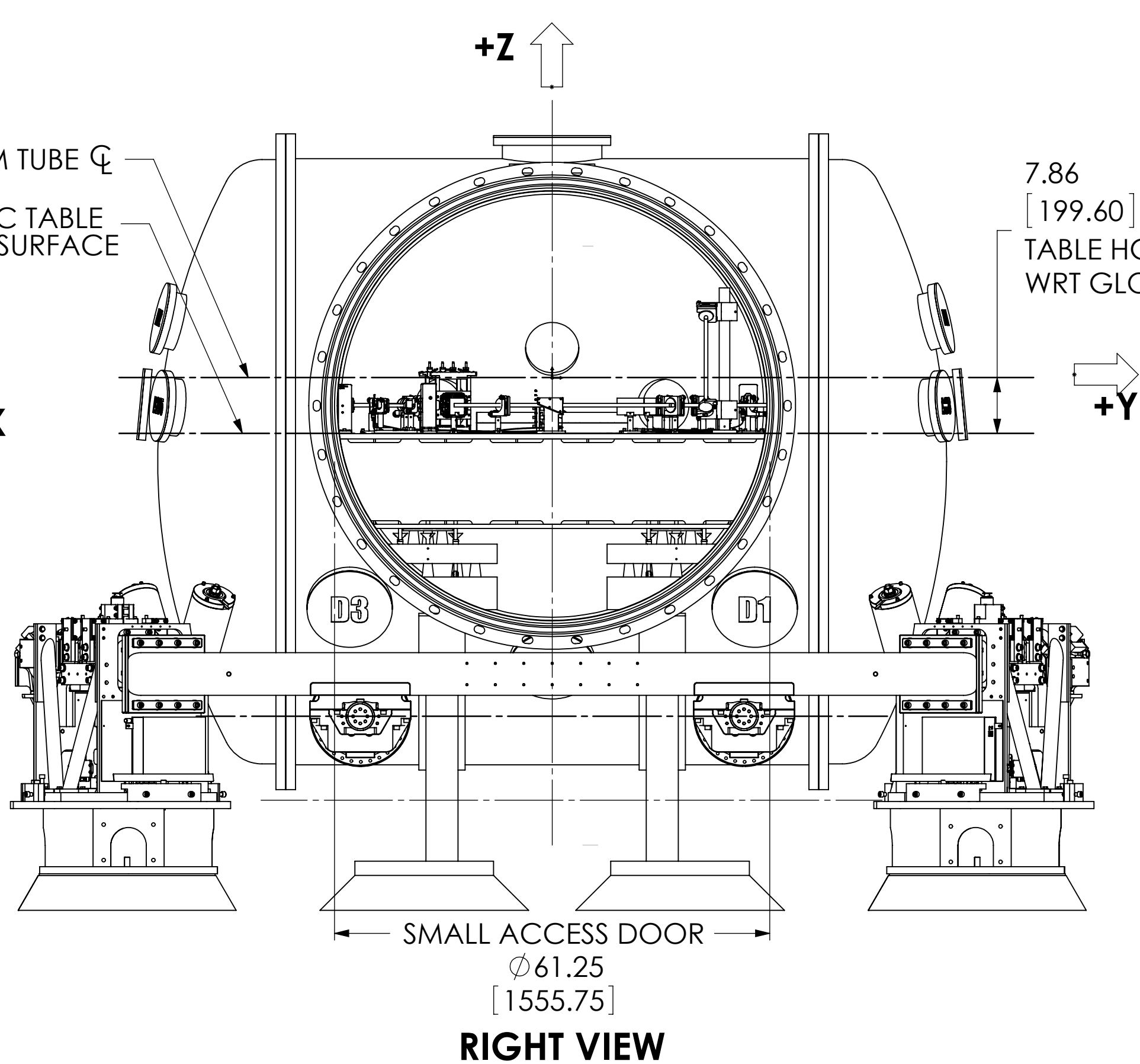
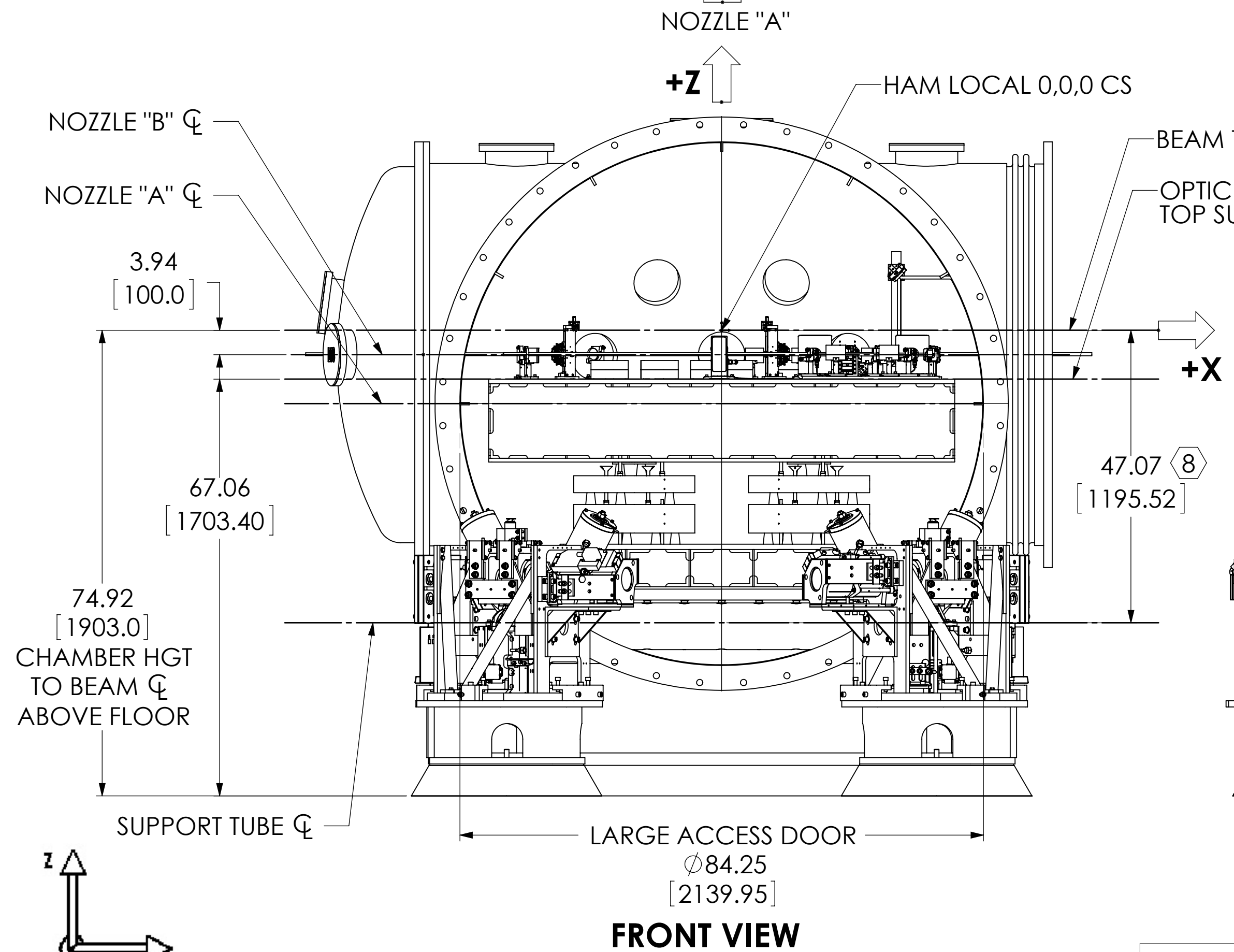
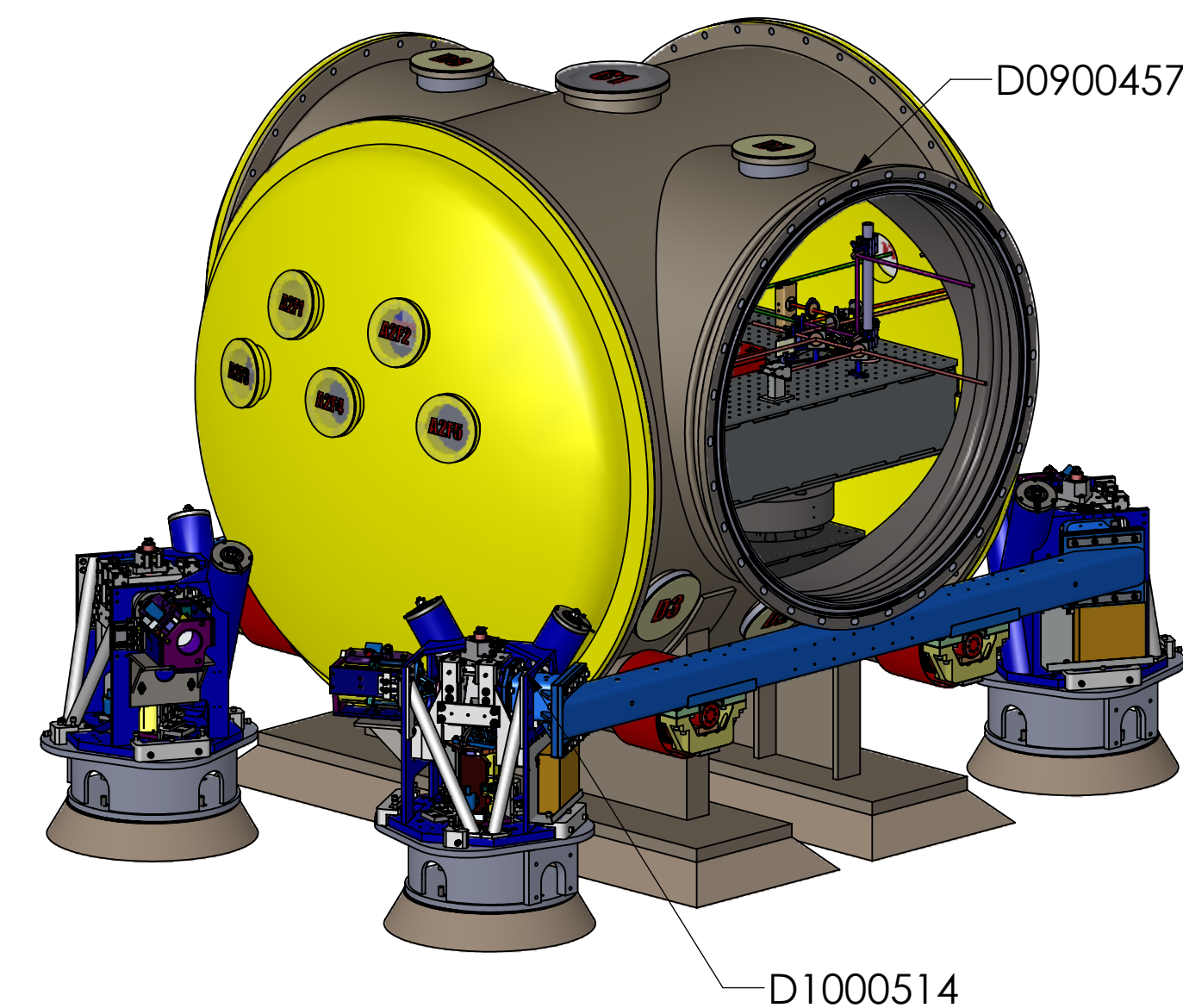
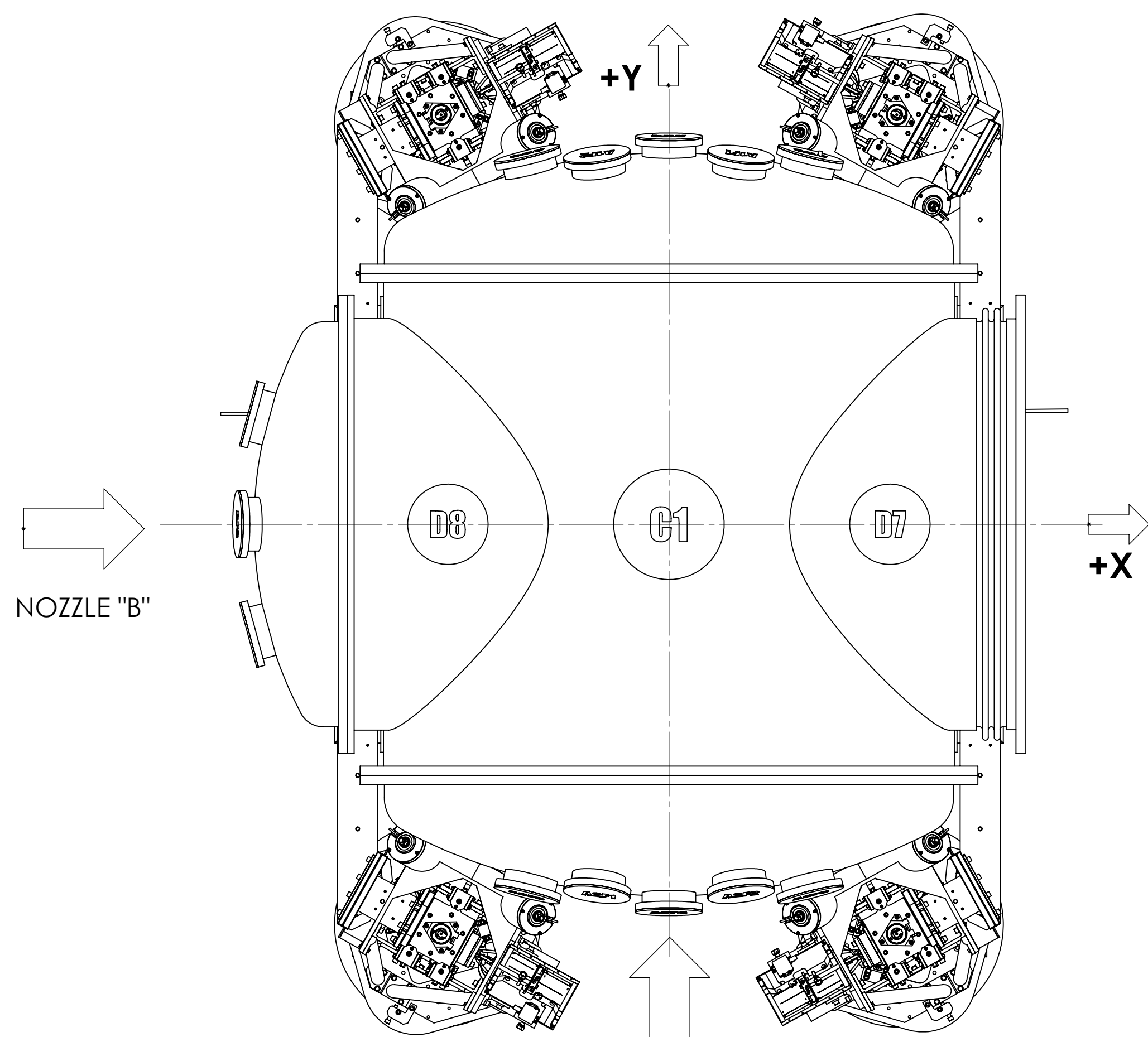


| REV. | DATE        | DCN # | DRAWING TREE # |
|------|-------------|-------|----------------|
| v1   | 26 MAR 2012 |       |                |
| v2   | 31 MAY 2012 |       |                |
| v3   | 19 OCT 2012 |       |                |

- REFER TO DOCUMENT D1 101296 FOR OPTICAL TABLE HOLE TABULATION CONVENTION.
- REFER TO G1000125 FOR ISI NAMING AND ORIENTATION CONVENTION
- REFER TO T1 100292 FOR VIEWPORT DEFINITION
- DIMENSION WRT TO LOCAL BUILDING CS. REFER TO E1200625 FOR LOCAL COORDINATES OF SUPPORT TUBE ENDS.



| GLOBAL COORDINATES (mm) |          |
|-------------------------|----------|
| X                       | -22692.0 |
| Y                       | 0.0      |
| Z                       | 0.0      |

| NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)  |          |
|---|----------|
| 1. INTERPRET DRAWING PER ASME Y14.5-1994.   |          |
| 2. REMOVE ALL SHARP EDGES, .005-.015, FOR MACHINED PARTS. ROUND ALL EDGES APPROXIMATELY R.02 FOR SHEET METAL PARTS. |          |
| 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  | --       |
| FINISH  | -- μinch |

|   |                          |  |                             |
|---|--------------------------|--|-----------------------------|
| CALIFORNIA INSTITUTE OF TECHNOLOGY<br>MASSACHUSETTS INSTITUTE OF TECHNOLOGY |                          | PART NAME<br><b>HAM1-H1 TOP LEVEL CHAMBER ASSEMBLY, FULLY FINISHED</b> |                             |
| SYSTEM<br><b>ADVANCED LIGO</b>  | SUB-SYSTEM<br><b>SUS</b> | DESIGNER<br>ED CHAVEZ  | DATE<br>26 MAR 2012         |
| CHECKER   | APPROVAL                 | SIZE<br><b>D</b>   | DWG. NO.<br><b>D0901821</b> |
| NEXT ASSY   | SCALE: 1:16              | PROJECTION:  | REV.<br><b>v3</b>           |
|   |                          | SHEET 1 OF 3   |                             |

D0901821 Adv LIGO Systems: HAM1-H1 Top Level Chamber Assembly, ALL PART PDM REV: X-035, DRAWING PDM REV: X-002

D1002498 ISO TABLE ASSEMBLY  
- D1102387 ALIGO OPTICS TABLE

D1200524 BALANCE MASS ASSEMBLY

D1003293 BLOCKDIAGRAMS ASSY  
- D1000313 ISC HAM1 ASSY - VACUUM

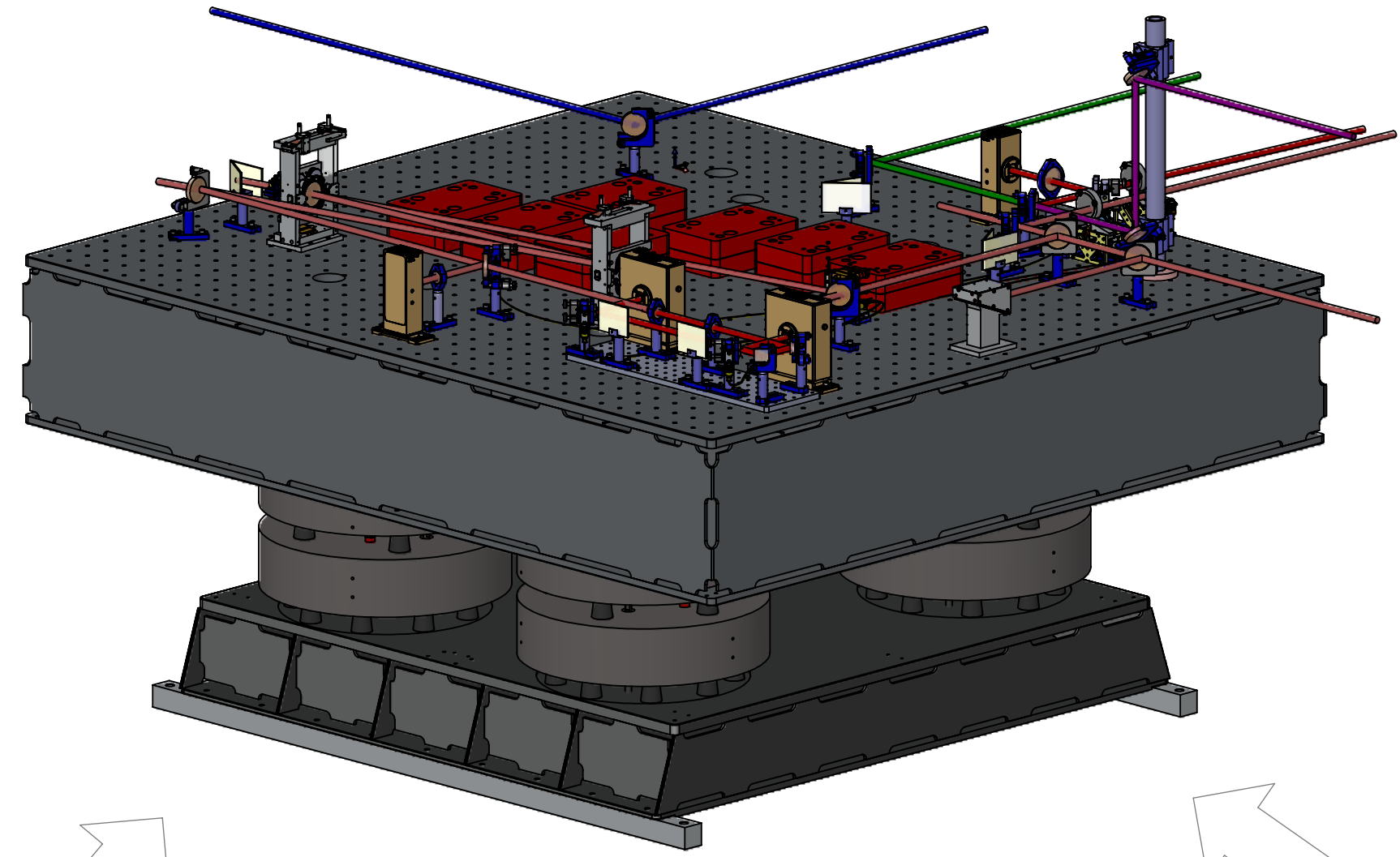
| 5        | D1200524    | AdvLIGO HAM1-HT ISI Table, Payload & Suspended Mass Assy | N/A      | 1   |
|----------|-------------|--|----------|-----|
| 4        | D1003293    | AdvLIGO HAM1-HT, XYZ Local CS for ISC BlockDiagram       |          | 1   |
| 3        | D1002498    | AdvLIGO SEI HAM1-H1, XYZ Local CS for ISO Table          |          | 1   |
| 2        | D1000514    | HEPI ASSEMBLY, HAM, aLIGO SEI                            | SEE BOMS | 1   |
| 1        | D0901820    | AdvLIGO VE HAM1-H1, Vacuum Equipment Assembly            | --       | 1   |
| ITEM NO. | PART NUMBER | DESCRIPTION  | MATERIAL | QTY |

**LIGO** CALIFORNIA INSTITUTE OF TECHNOLOGY  
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

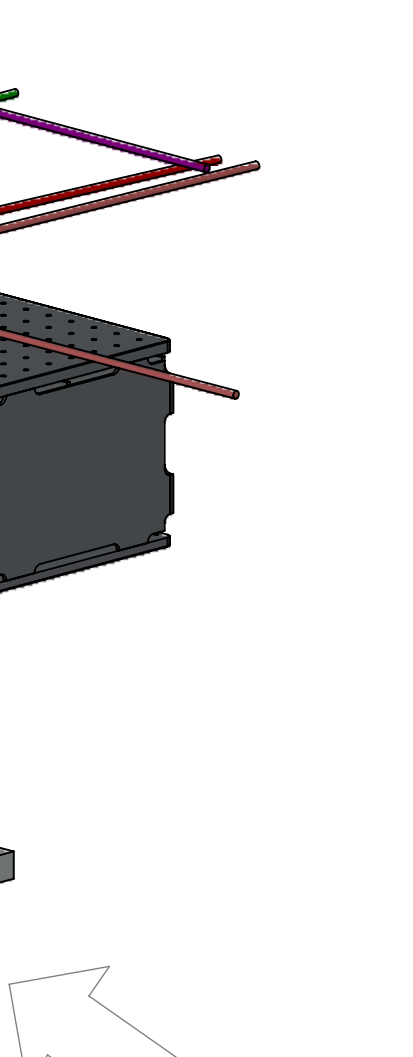
SIZE DWG. NO. REV.  
**D** **D0901821** v3

SCALE: 1:5 PROJECTION: SHEET 2 OF 3

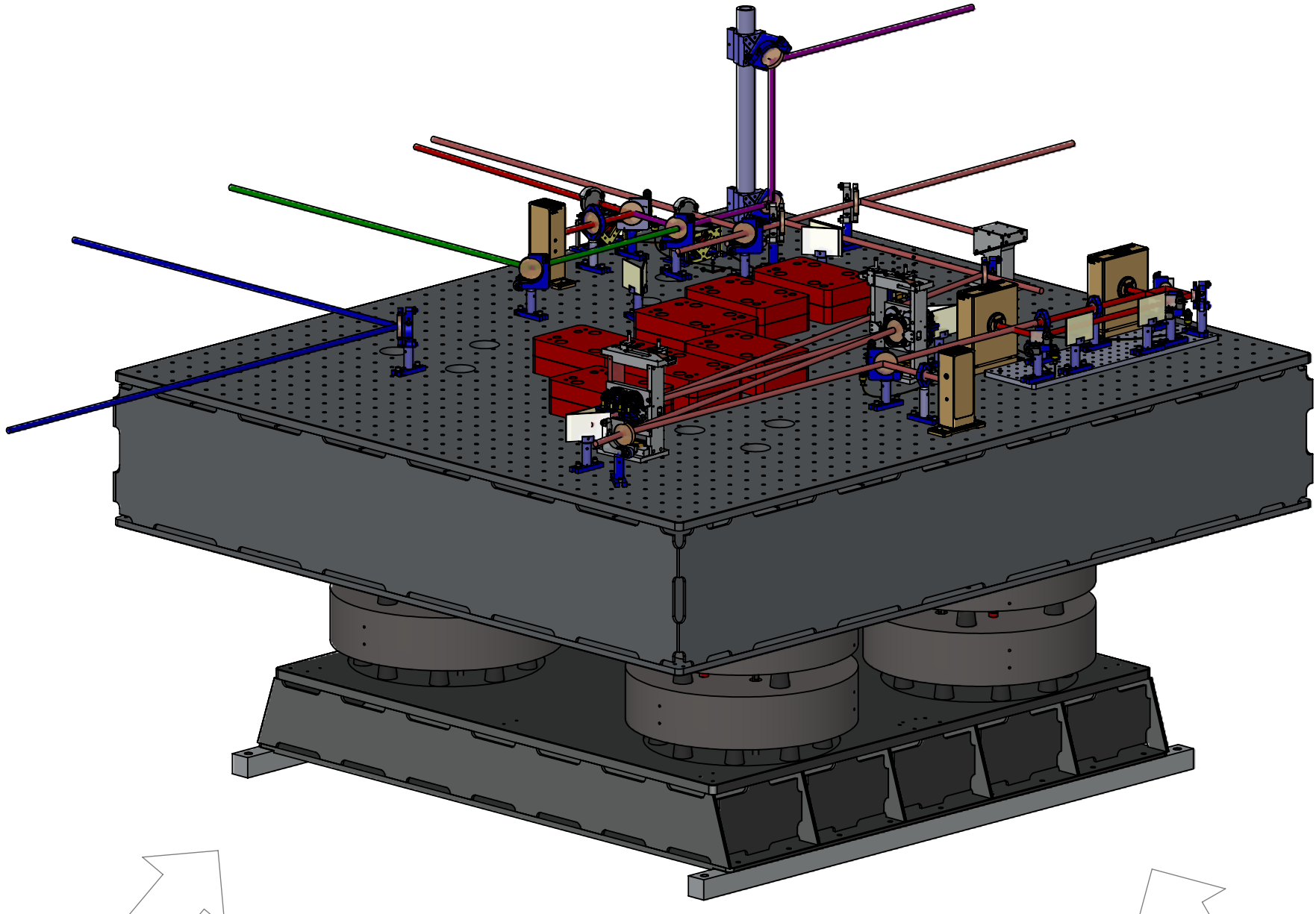
D0901821 AdvLIGO Systems: HAM1-H1 Top Level Chamber Assembly, ALL PART PDM REV: X-035, DRAWING PDM REV: X-002



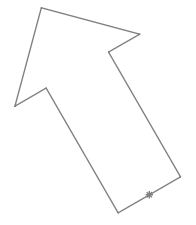
FRONT VIEW



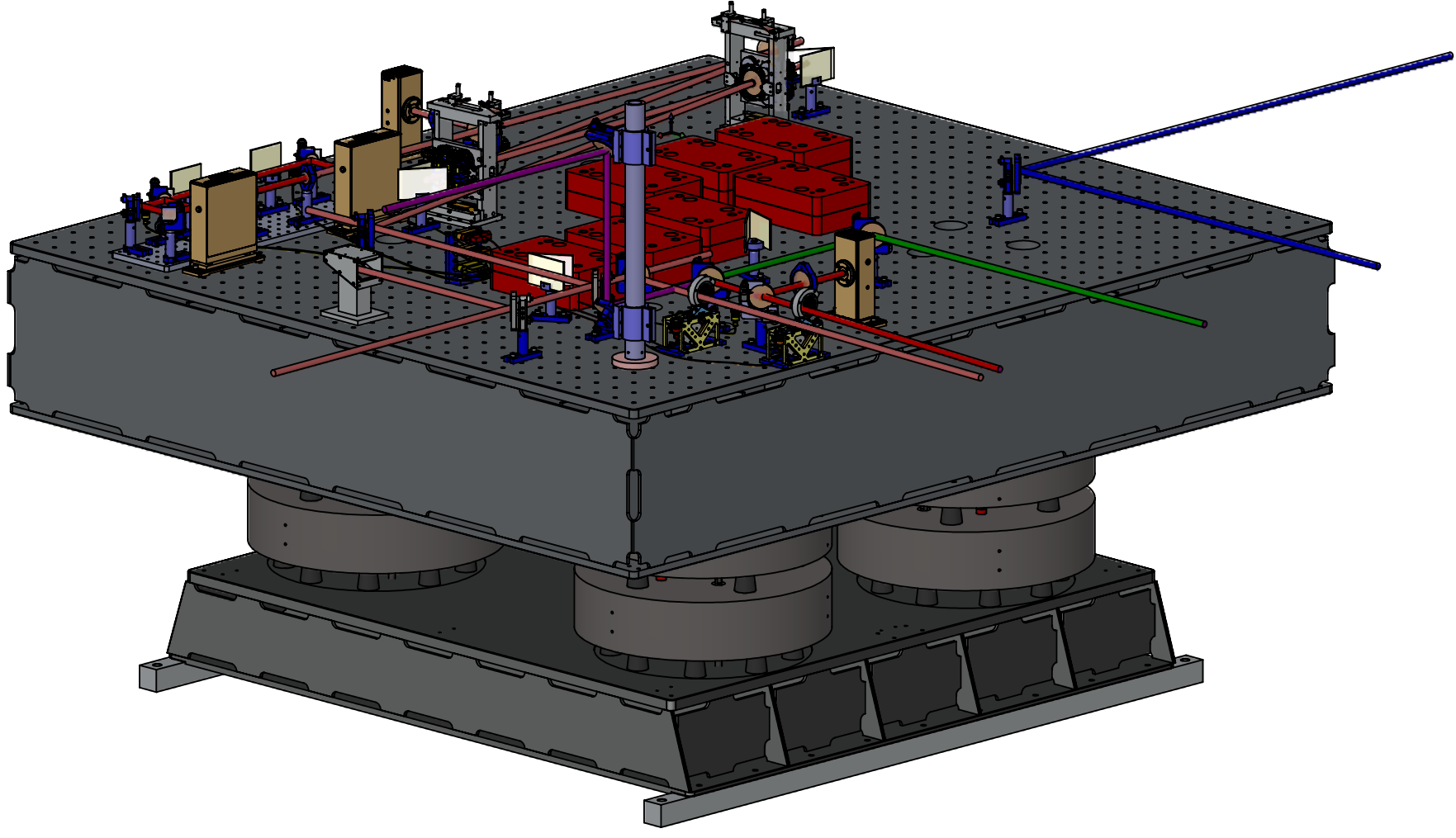
RIGHT SIDE VIEW



LEFT SIDE VIEW



FRONT VIEW



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|             |             |              |
|-------------|-------------|--------------|
| SIZE        | DWG. NO.    | REV.         |
| D           | D0901821    | v3           |
| SCALE: 1:12 | PROJECTION: | SHEET 3 OF 3 |

D0901821 Asst LIGO Systems: HAM1-H1 Top Level Chamber Assembly, ALL PART PDM REV: X-035, DRAWING PDM REV: X-002