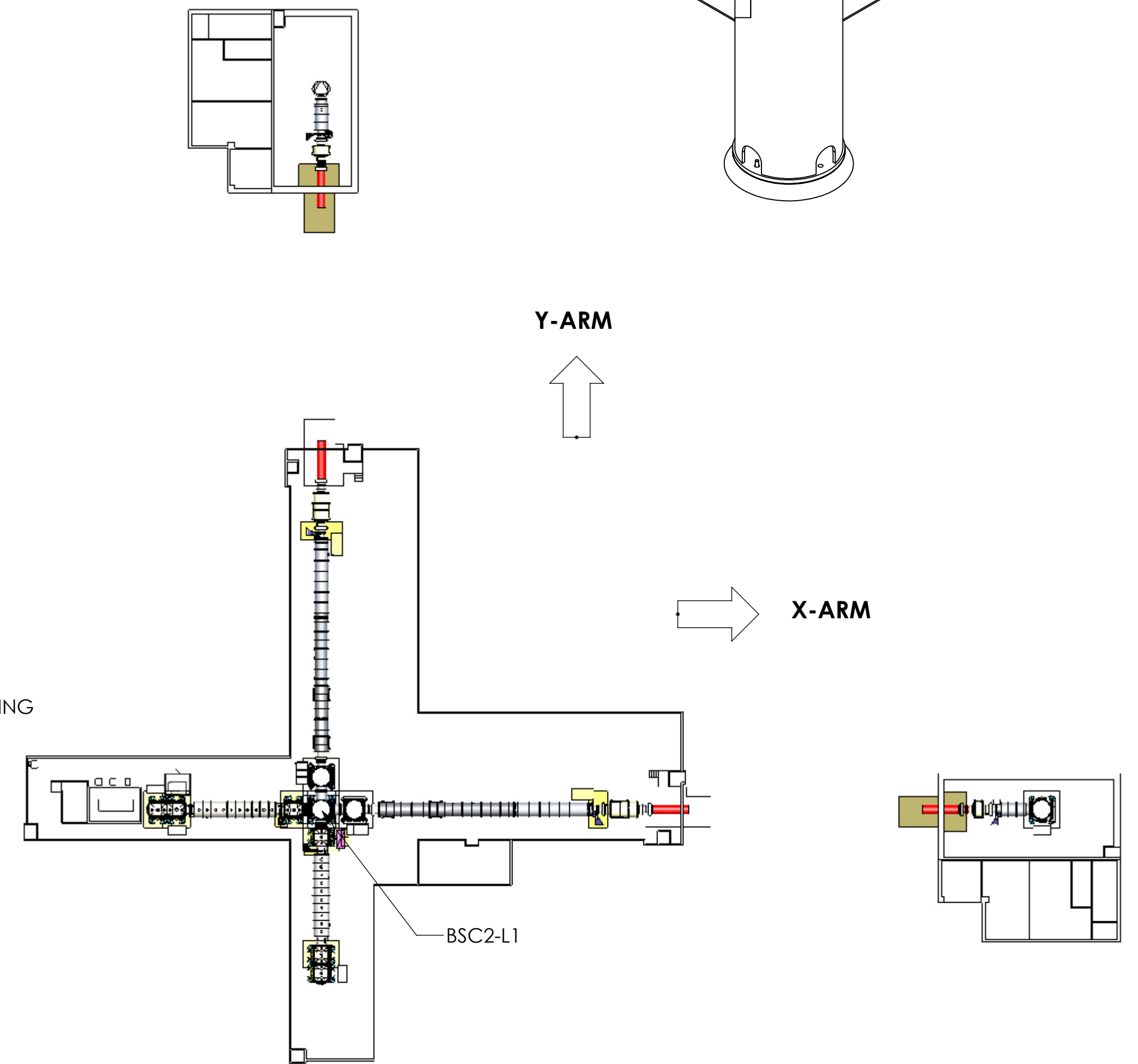
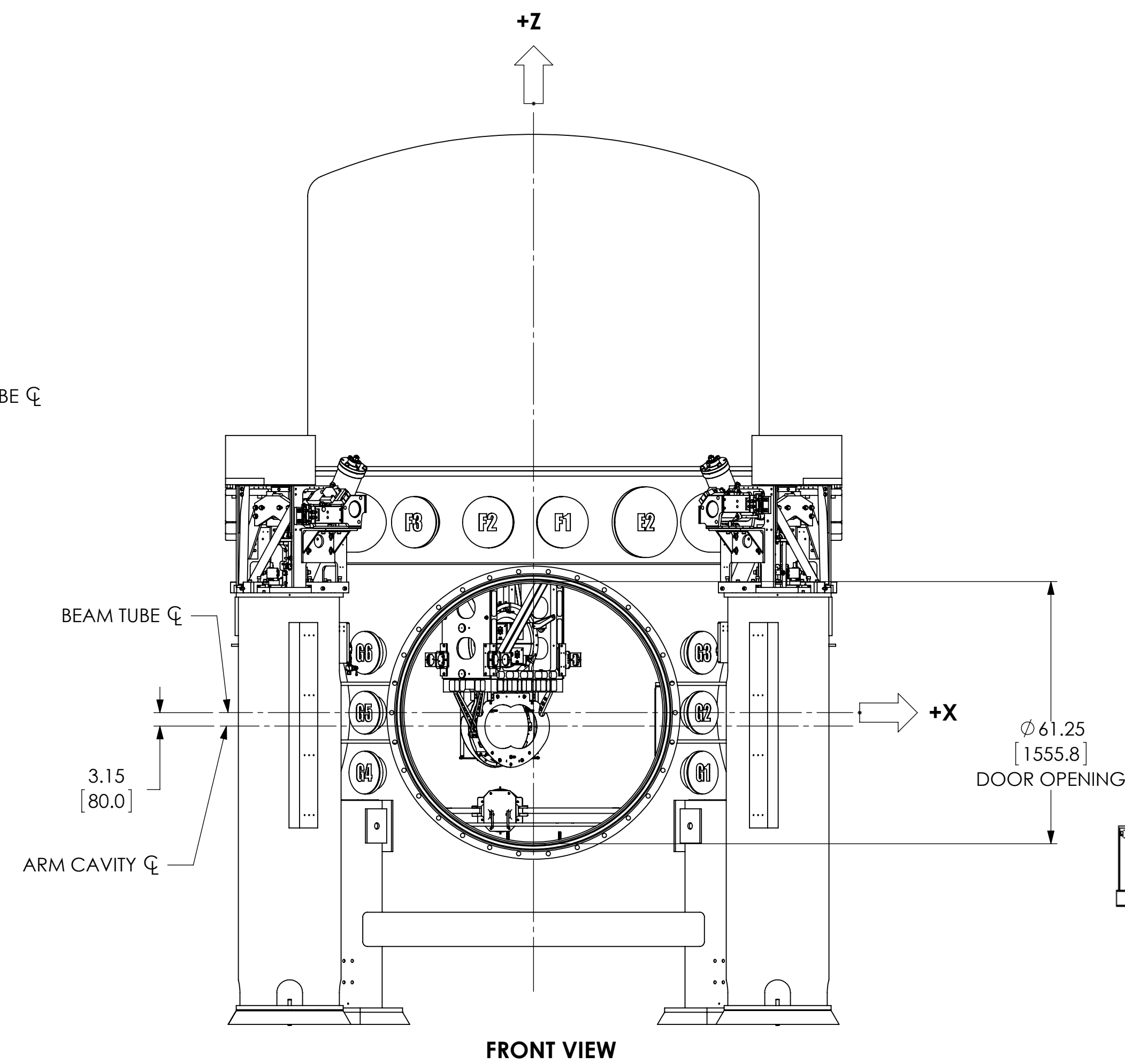
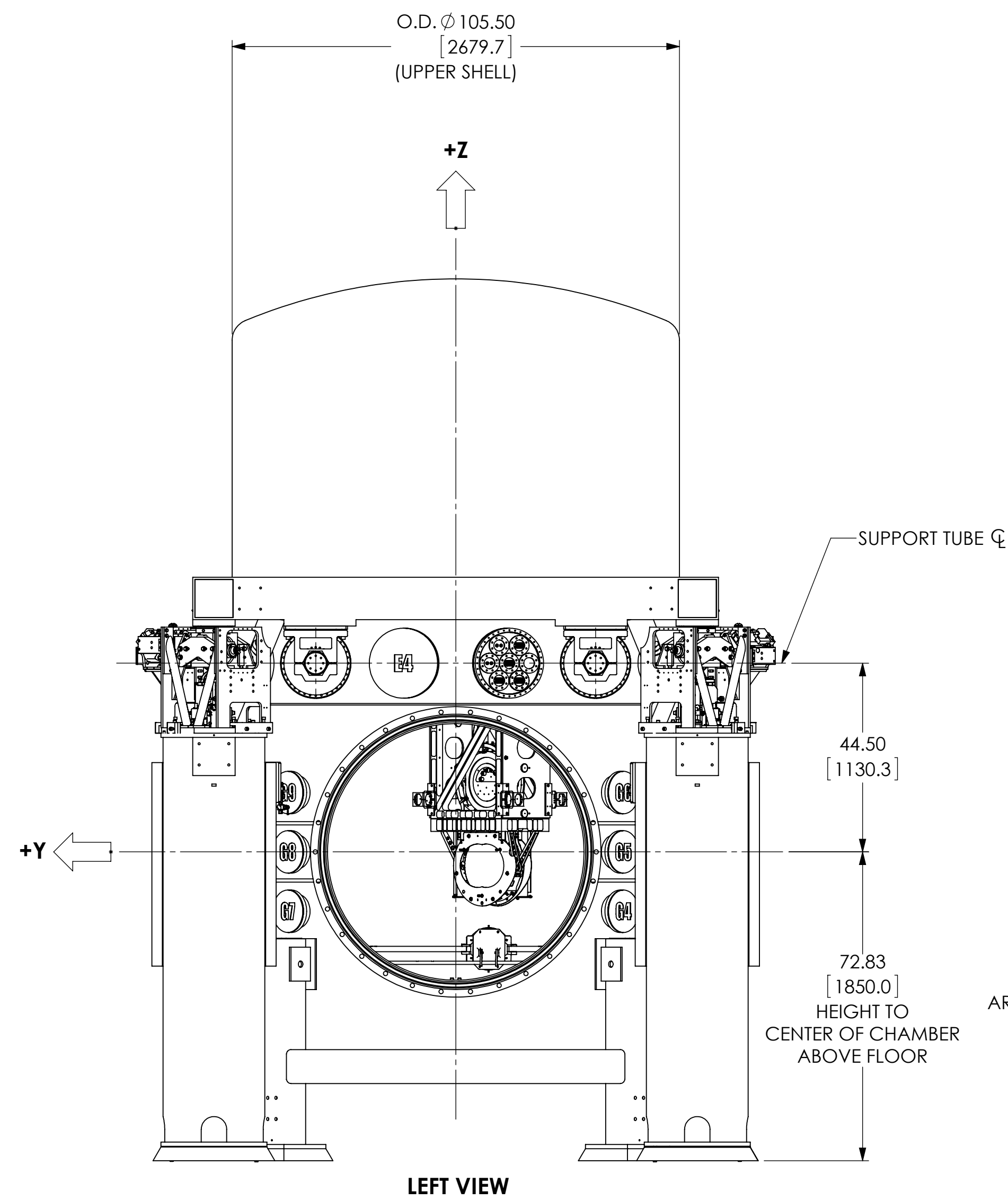
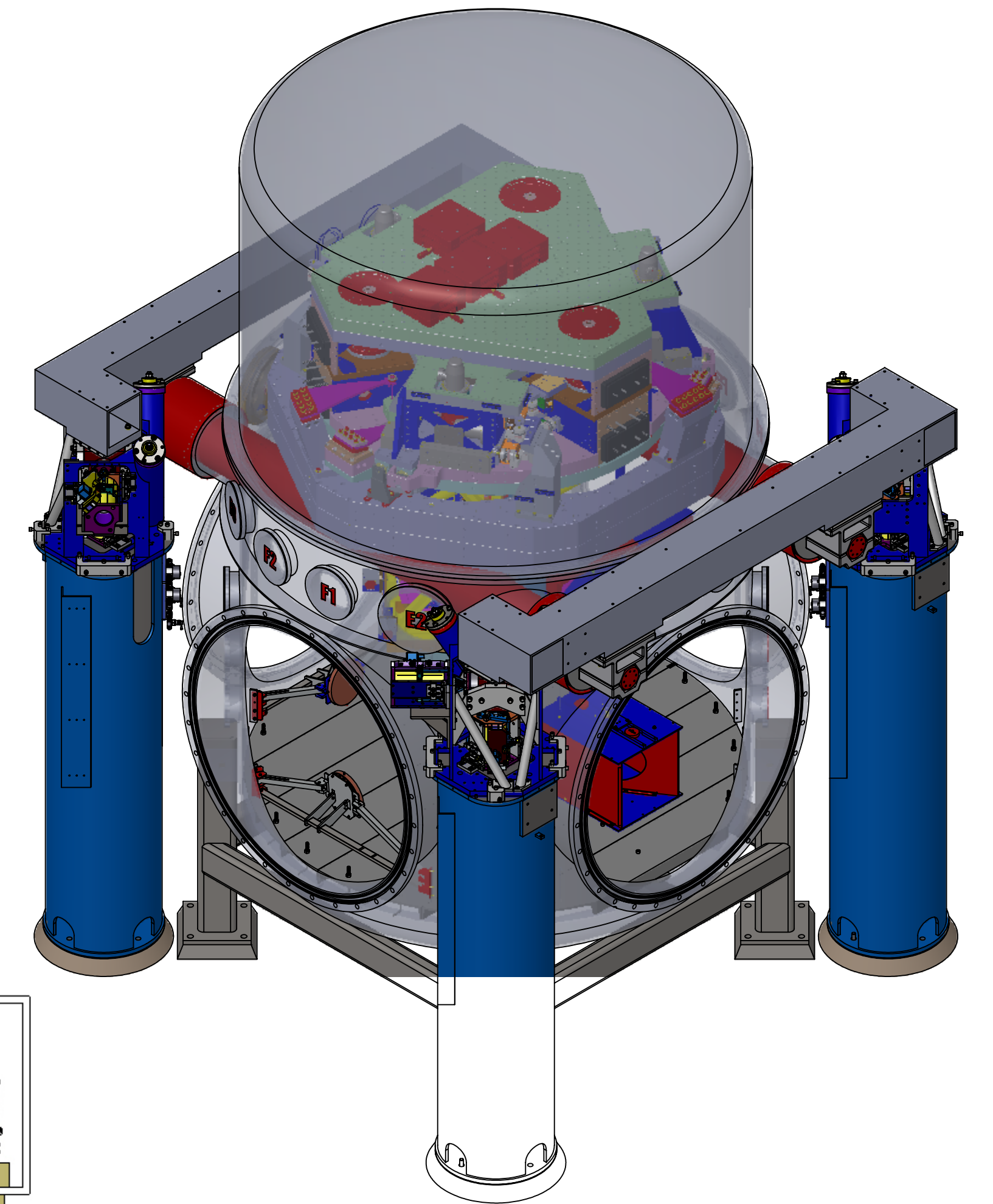
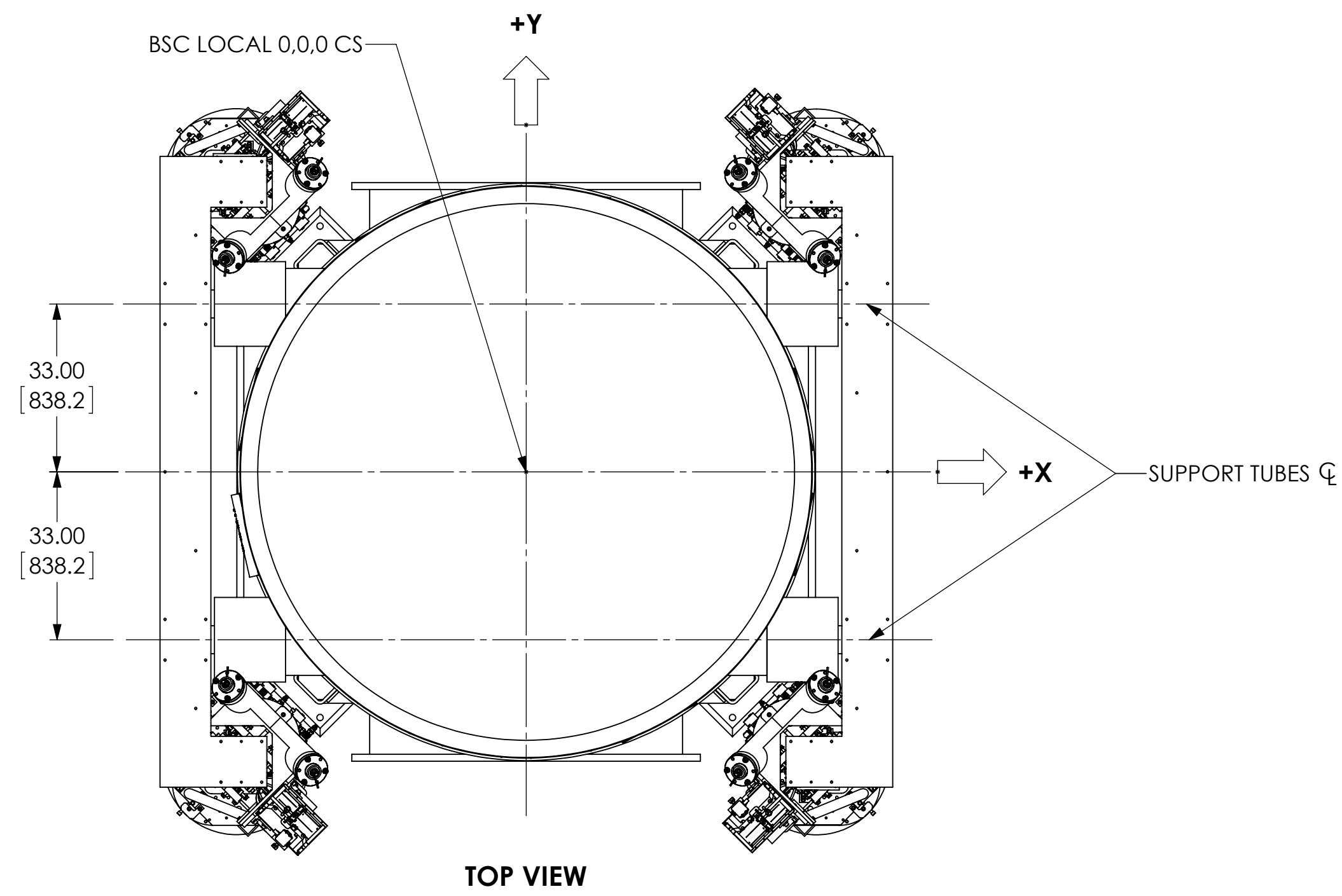


- REFER TO DOCUMENT D1101271 FOR OPTICAL TABLE HOLE TABULATION CONVENTION.
- REFER TO G1000125 FOR ISI NAMING AND ORIENTATION CONVENTION.

| REV. | DATE | DCN # | DRAWING TREE # |
|------|------|-------|----------------|
| | | | |

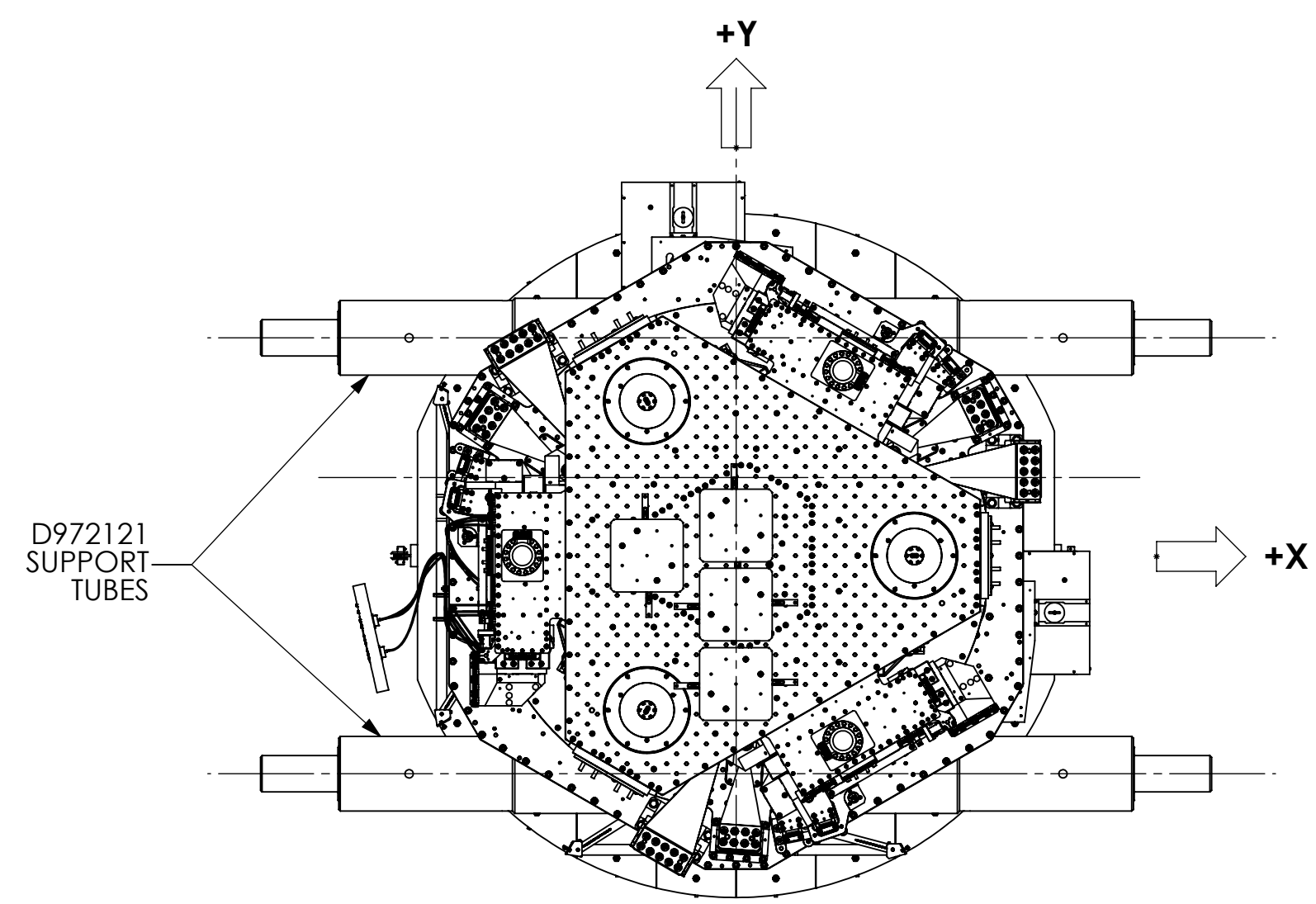


| NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED) | |
|---|---------------|
| 1. INTERPRET DRAWING PER ASME Y14.5-1994. | |
| 2. REMOVE ALL SHARP EDGES, .005-.015, FOR MACHINED PARTS. ROUND ALL EDGES APPROXIMATELY R.02 FOR SHEET METAL PARTS. | |
| 3. DO NOT SCALE FROM DRAWING. | |
| 4. ALL MACHINING FLUIDS MUST BE FULLY SYNTHETIC, FULLY WATER SOLUBLE AND FREE OF SULFUR, SILICONE, AND CHLORINE. | |
| DIMENSIONS ARE IN INCHES [MM] | |
| TOLERANCES: | |
| .XX ± .01 | |
| .XXX ± .005 | |
| ANGULAR ± 0.5° | |
| MATERIAL | FINISH |
| -- | -- μ inch |

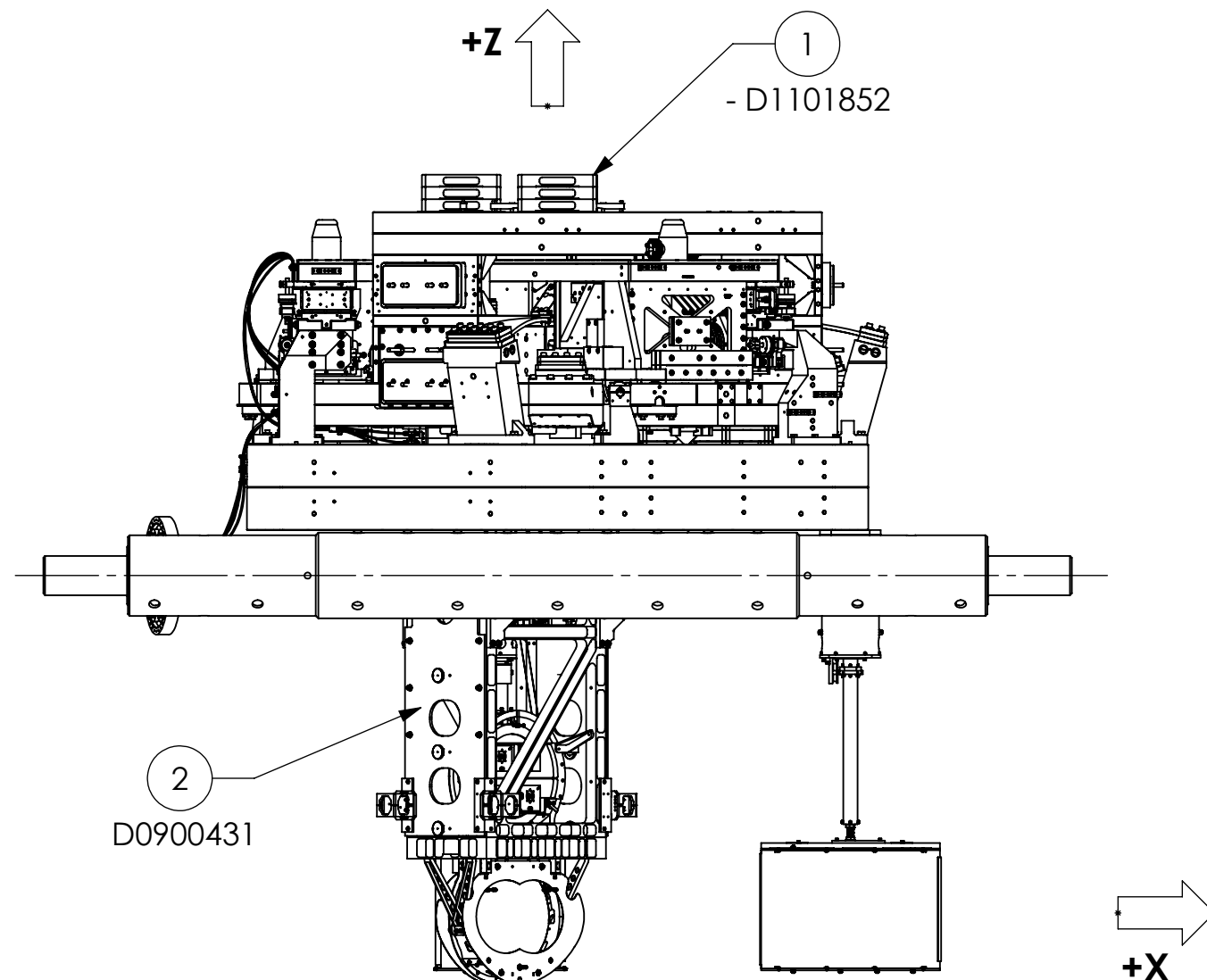
| | |
|---|------------|
| CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY | |
| SYSTEM | SUB-SYSTEM |
| ADVANCED LIGO | SUS |
| NEXT ASSY | |

| | | | |
|--------------|-----------|---|-------------|
| PART NAME | | BSC2-L1 TOP LEVEL CHAMBER ASSEMBLY, FULLY DEFINED | |
| DESIGNER | ED CHAVEZ | DATE | 13 JUN 2012 |
| DRAFTER | | SCALE | D 1:24 |
| CHECKER | | PROJECTION | |
| APPROVAL | | | |
| SIZE | DWG. NO. | REV. | |
| | D0900428 | v6 | |
| SHEET 1 OF 3 | | | |

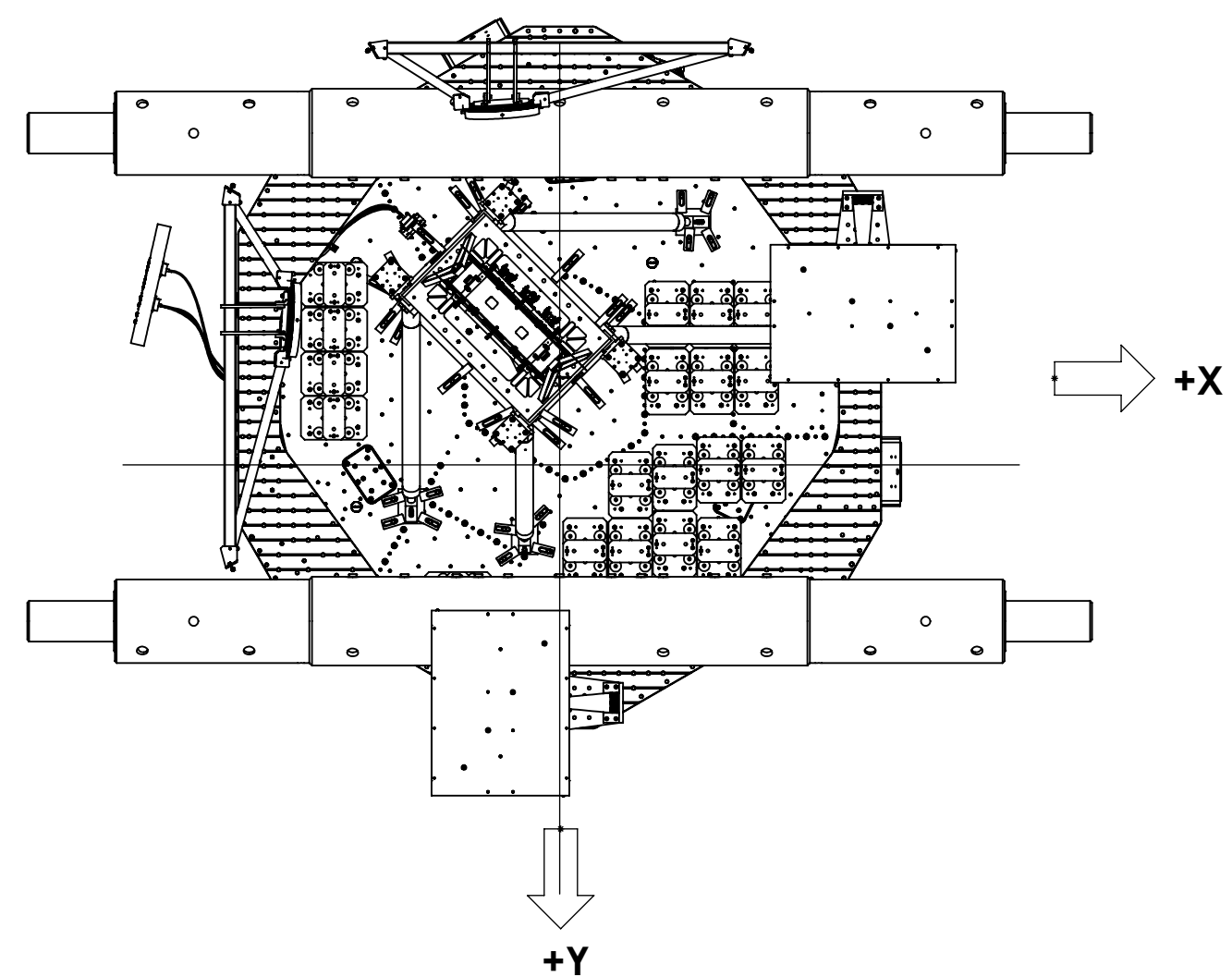
D0900428 Adv LIGO Systems: BSC2-L1 Top Level Chamber Assembly: PART PDM REV: X-009: DRAWING PDM REV: X-005



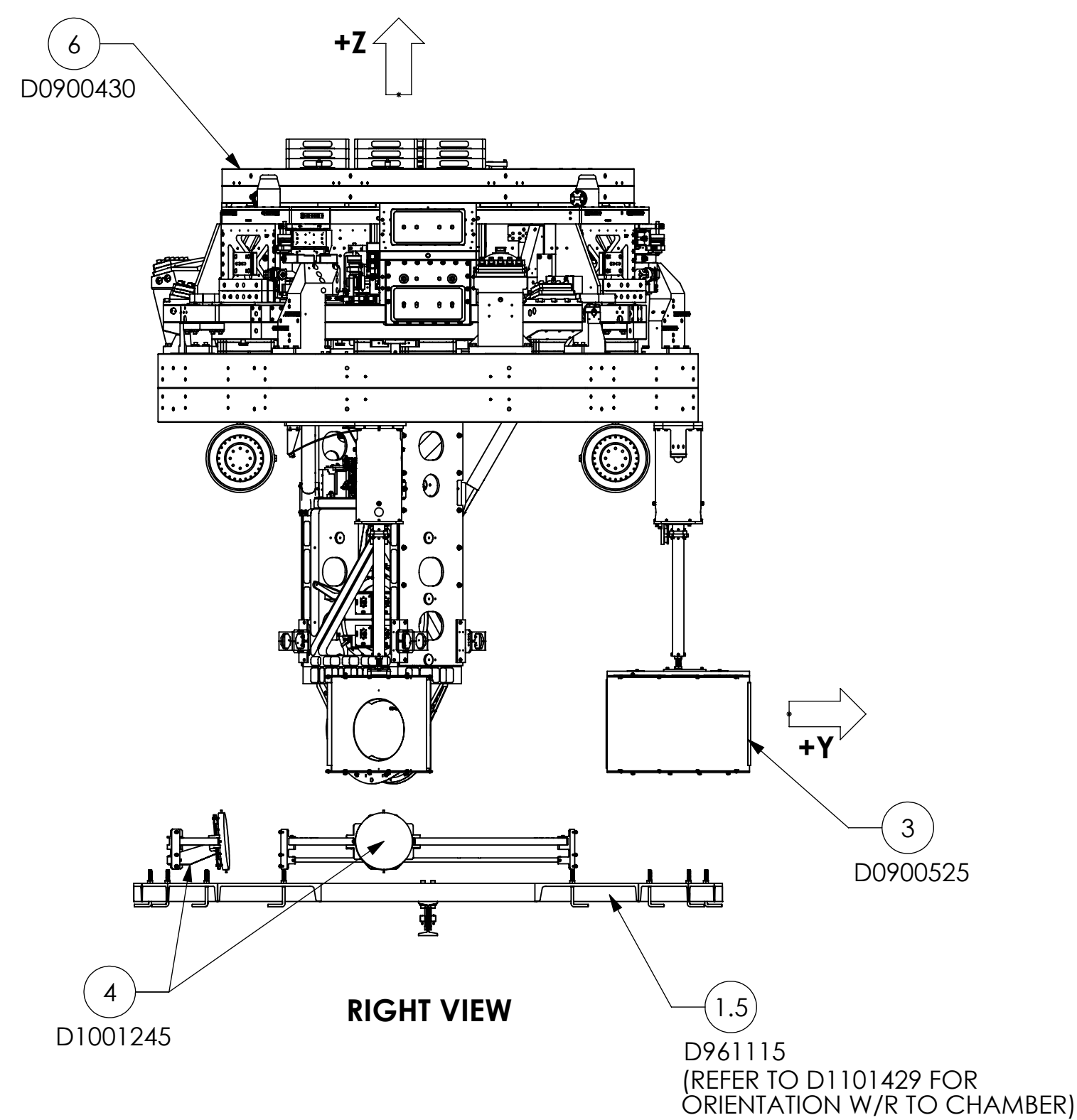
TOP VIEW



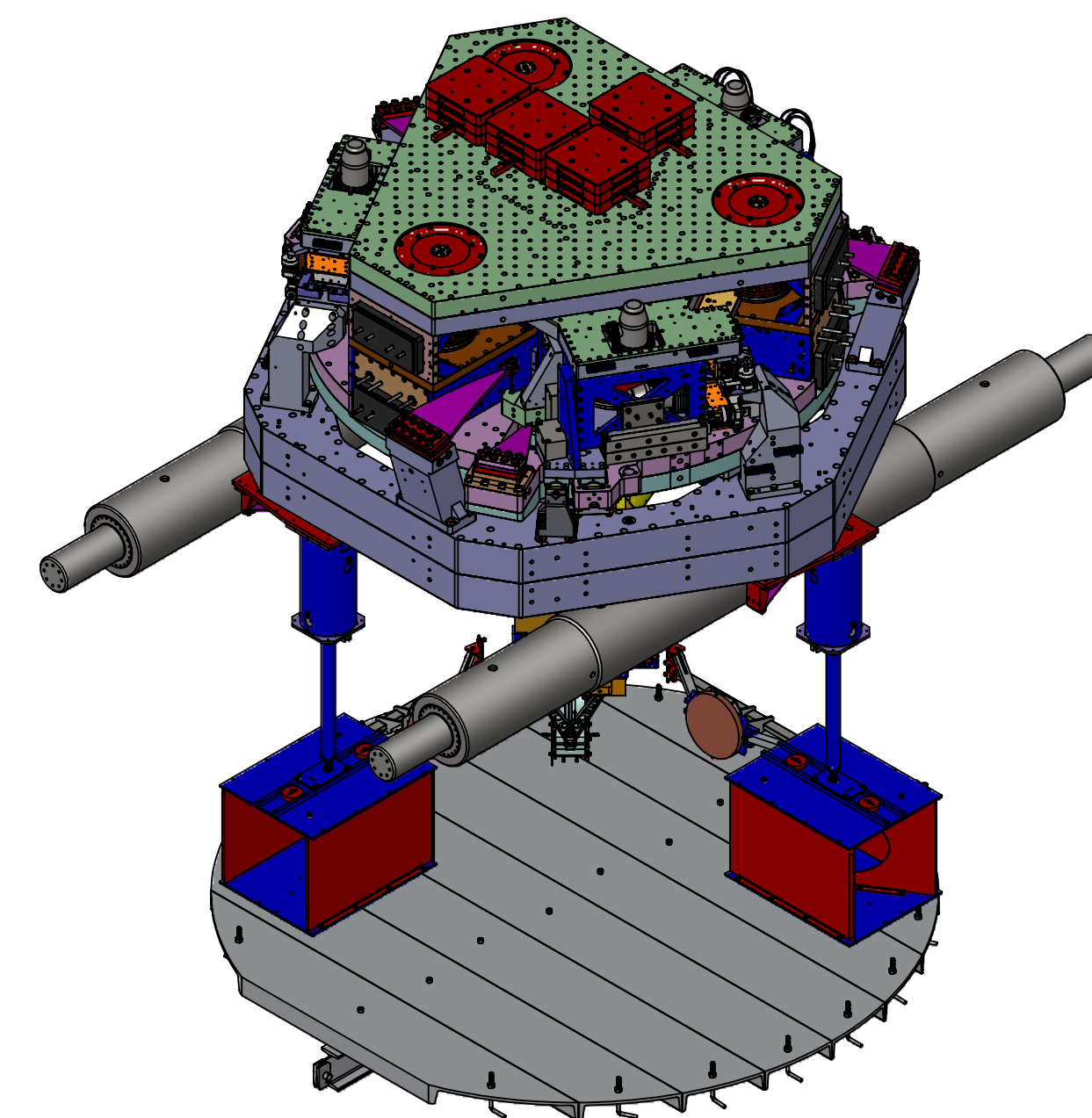
FRONT VIEW



BOTTOM VIEW



RIGHT VIEW



| ITEM NO. | PART NUMBER | DESCRIPTION | QTY |
|----------|-------------|---|-----|
| 8 | D1200060 | ALIGO, CABLE HARNESS ROUTING, BSC-2 | 1 |
| 7 | D1000513 | HEPI ASSEMBLY, BSC aLIGO | 1 |
| 6 | D0900430 | AdvLIGO SEI BSC2-L1, XYZ Local CS for ISI Table | 1 |
| 5 | D0900429 | AdvLIGO VE BSC2-L1, Vacuum Equipment Assembly | 1 |
| 4 | D1001245 | AdvLIGO SUS, BSC2-H1 Local CS for CO2 ITM Steering Mirror | 1 |
| 3 | D0900525 | AdvLIGO SUS BSC2-L1, XYZ Local CS for Elliptical Baffle (ITMX,ITMY) | 1 |
| 2 | D0900431 | AdvLIGO SUS BSC2-L1, XYZ Local CS for BS HR | 1 |
| 1 | D1101852 | AdvLIGO BSC2-L1 ISI Table, Payload & Suspended Masses Assy | 1 |

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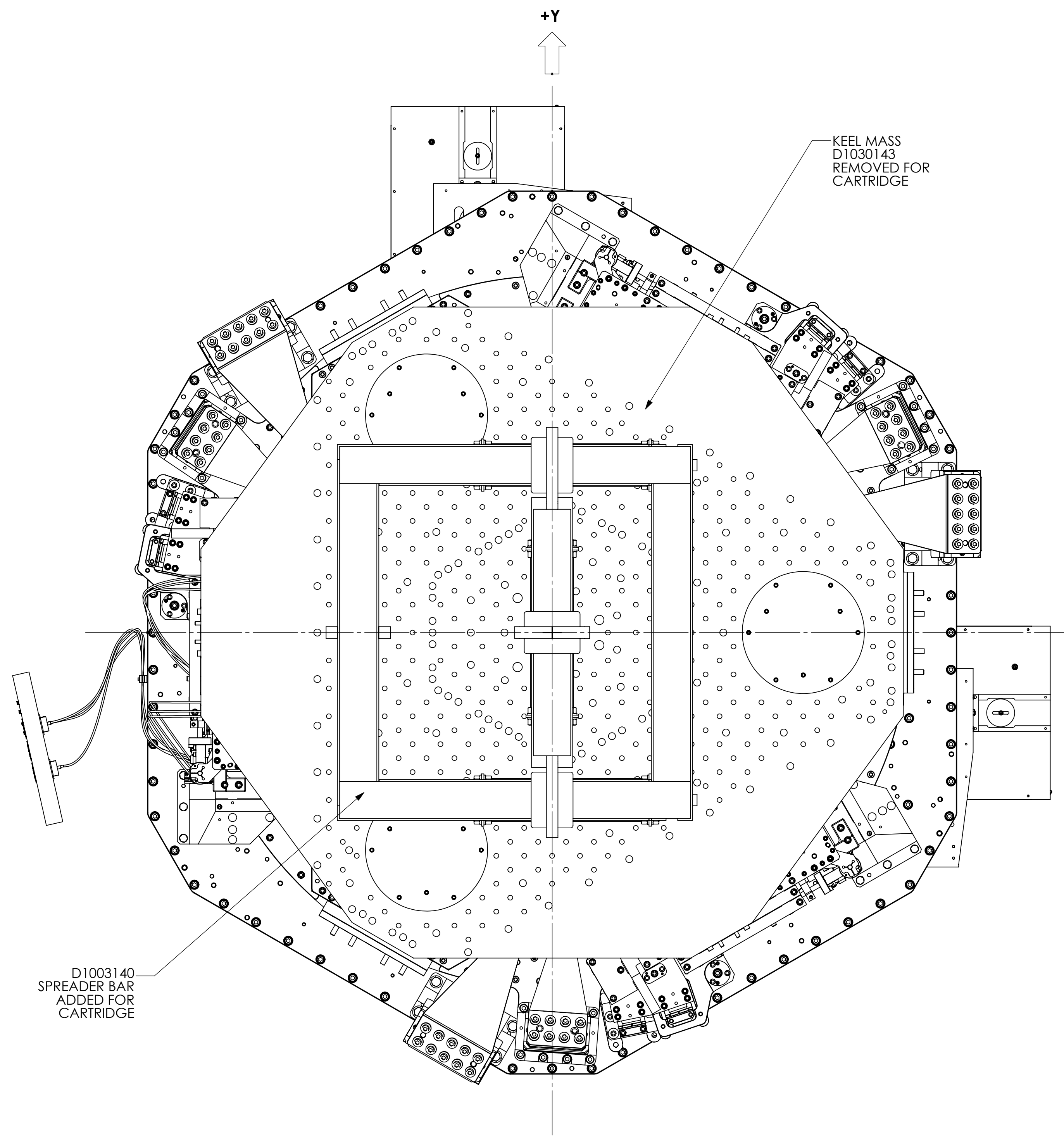
SIZE DWG. NO. REV.
D **D0900428** **V6**

SCALE: 1:24 PROJECTION: SHEET 2 OF 3

D0900428 AdvLIGO Systems, BSC2-L1 Top Level Chamber Assembly, PART PDM REV: X.049, DRAWING PDM REV: X.005

8 7 6 5 4 3 2 1

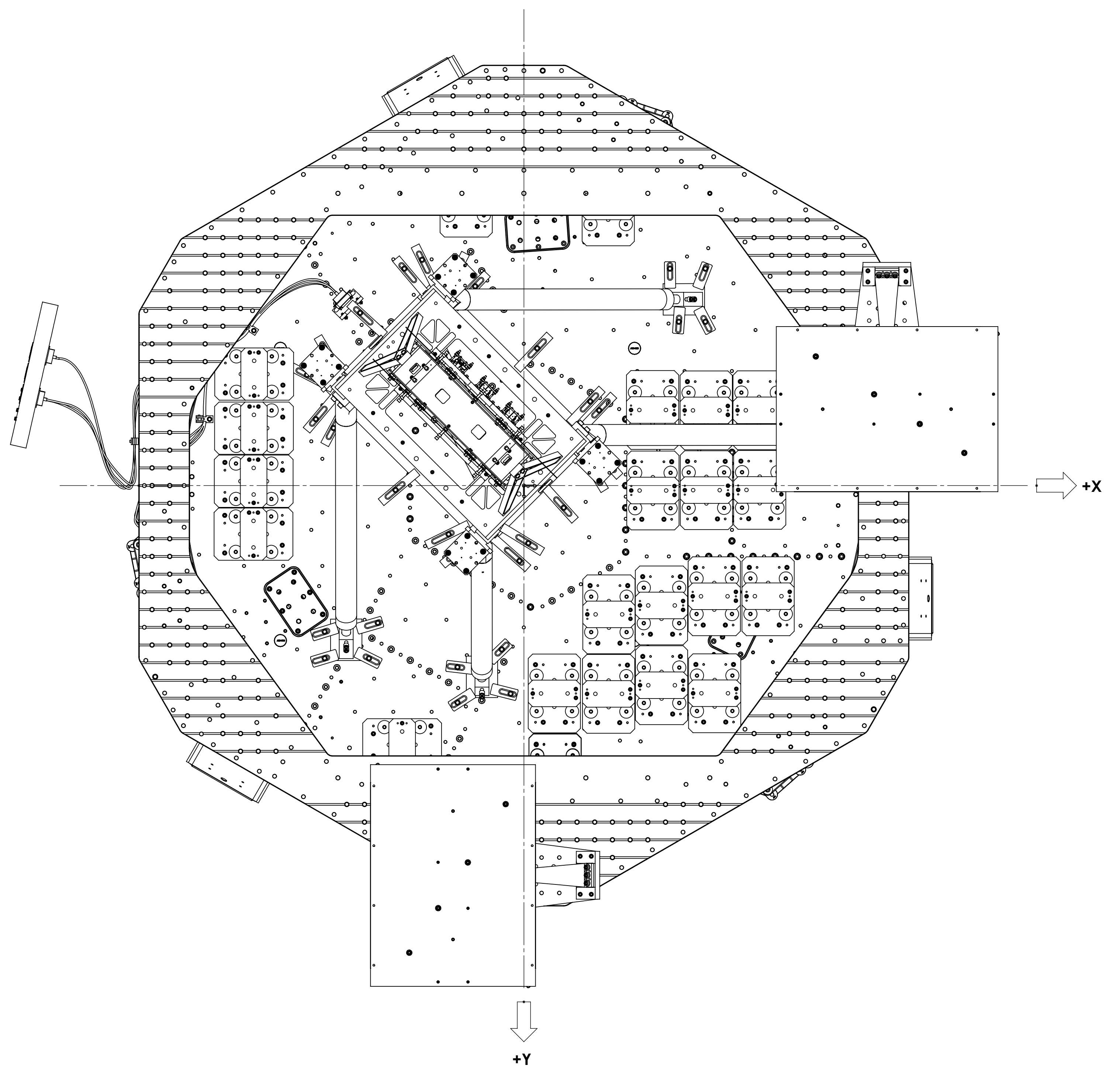
H G F E D C B A



D1003140
SPREADER BAR
ADDED FOR
CARTRIDGE

KEEL MASS
D1030143
REMOVED FOR
CARTRIDGE

**TOP VIEW
(LOOKING DOWN)**
**CARTRIDGE ASSY.
CONFIGURATION
(KEEL MASS REMOVED)**



**BOTTOM VIEW
(LOOKING UP)**

| | | |
|---|-------------|--------------|
| LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY | | |
| SIZE | DWG. NO. | REV. |
| D | D0900428 | V6 |
| SCALE: 1:8 | PROJECTION: | SHEET 3 OF 3 |

8 7 6 5 4 3 2 1

H G F E D C B A

D0900428 Asst LIGO Systems, BSC211 Top Level Chamber Assembly, PART.PDM.REV. X-089, DRAWING.PDM.REV. X-005