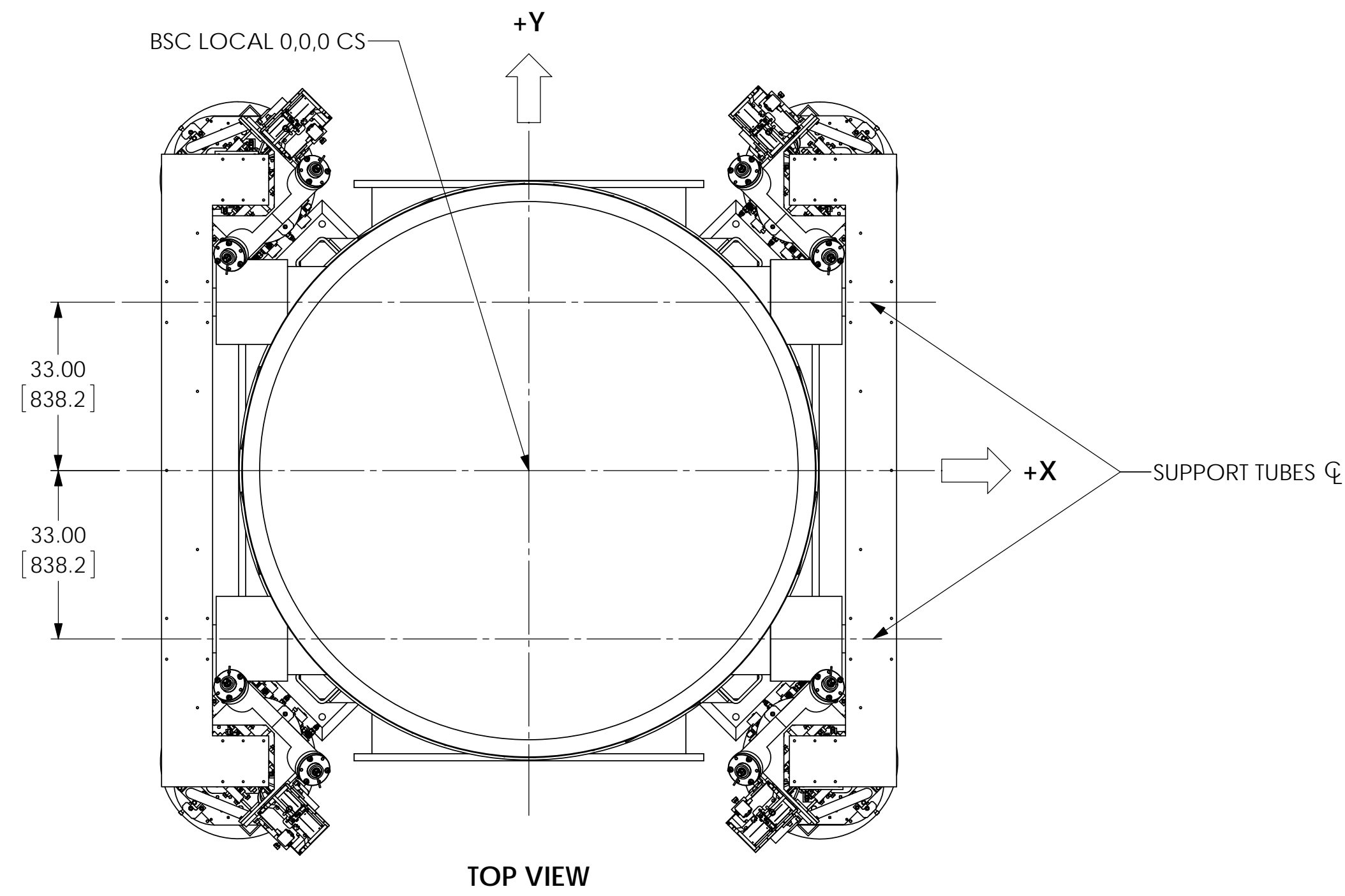
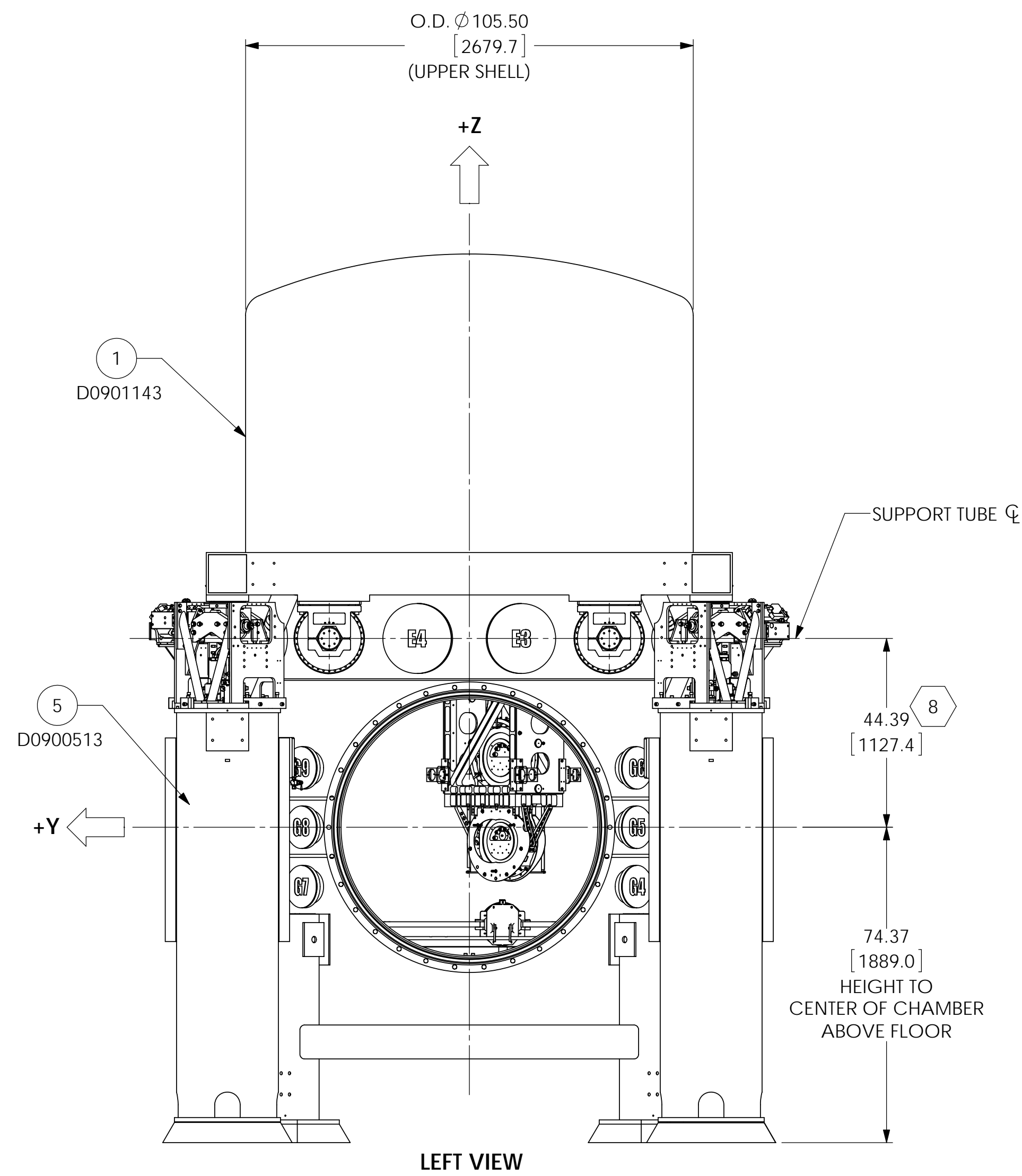
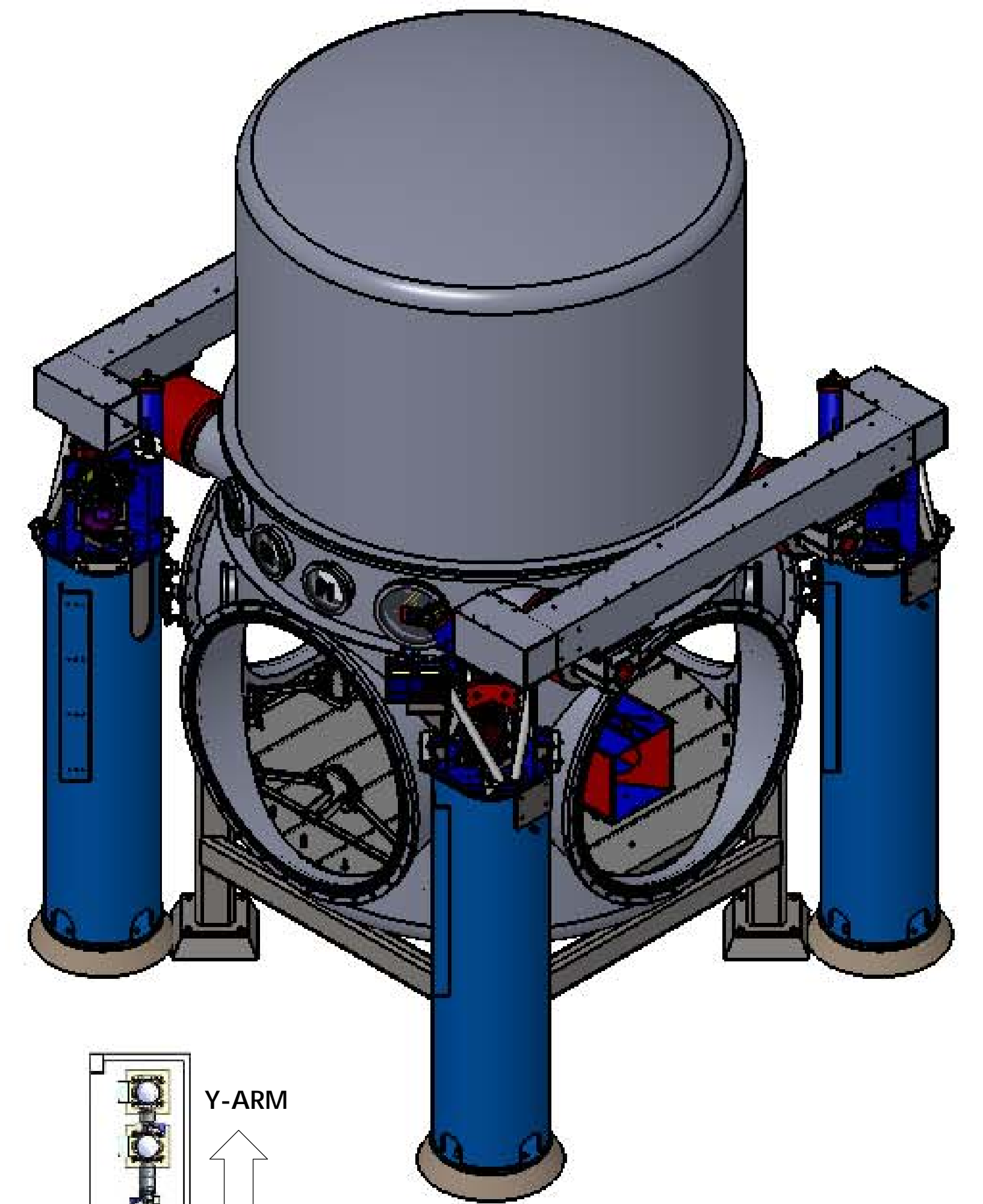


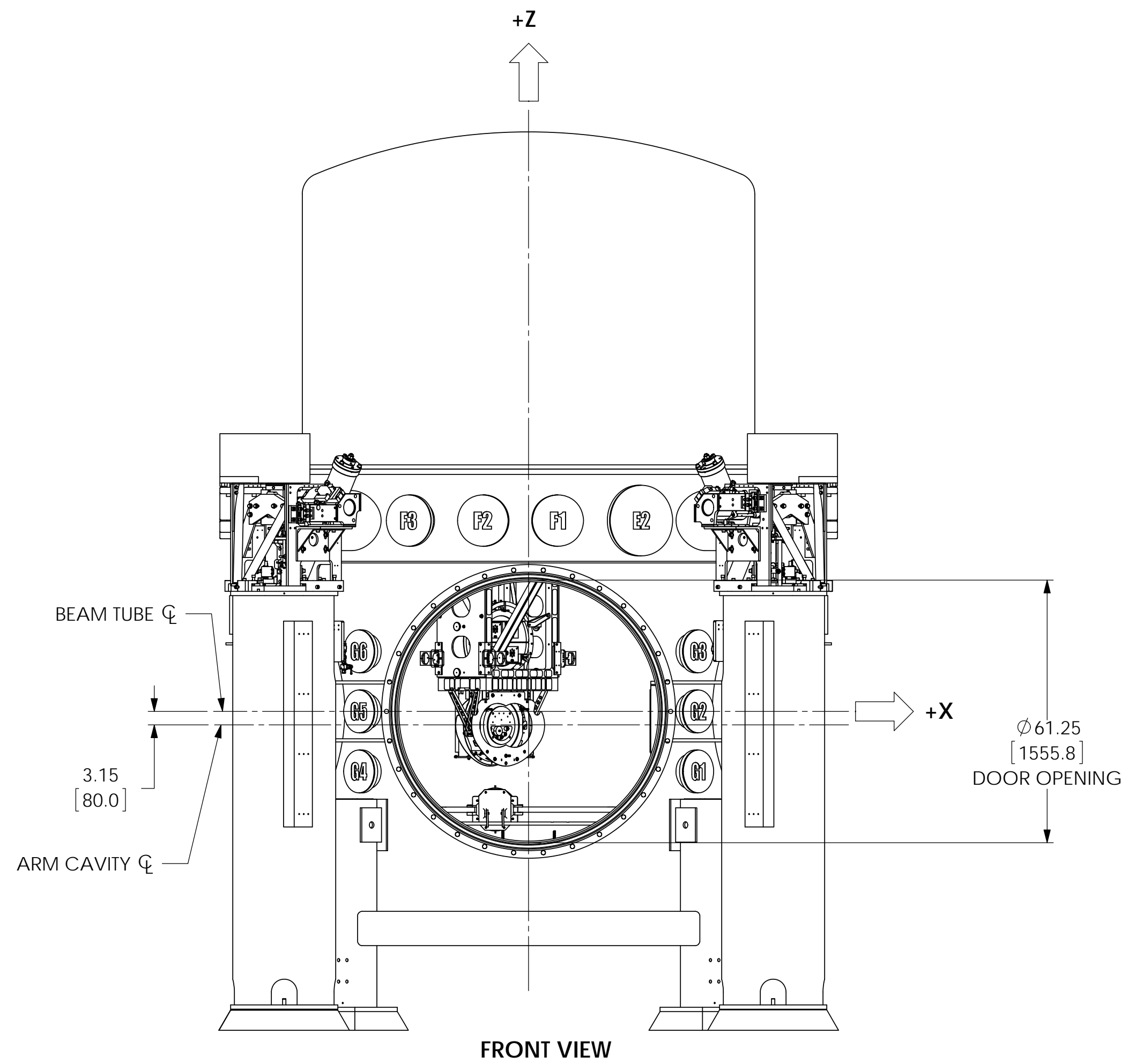
5. REFER TO DOCUMENT D1101271 FOR OPTICAL TABLE HOLE TABULATION CONVENTION.
6. REFER TO G1000125 FOR ISI NAMING AND ORIENTATION CONVENTION.
7. REFER TO T1100292 FOR VIEW PORT DEFINITION.
8. REFER TO E1200625 FOR LOCAL COORDINATES OF SUPPORT TUBES END



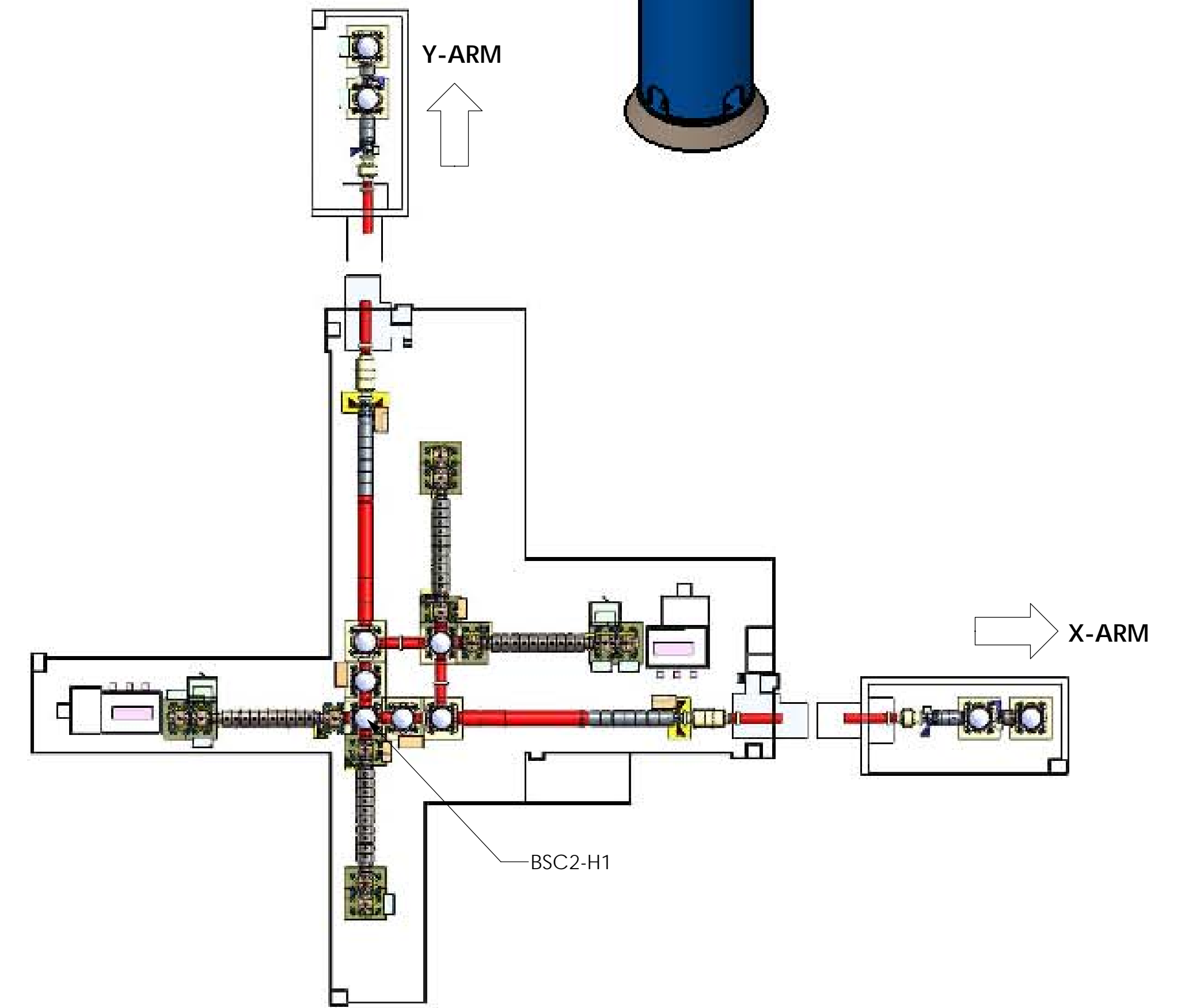
TOP VIEW



LEFT VIEW



FRONT VIEW



NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)

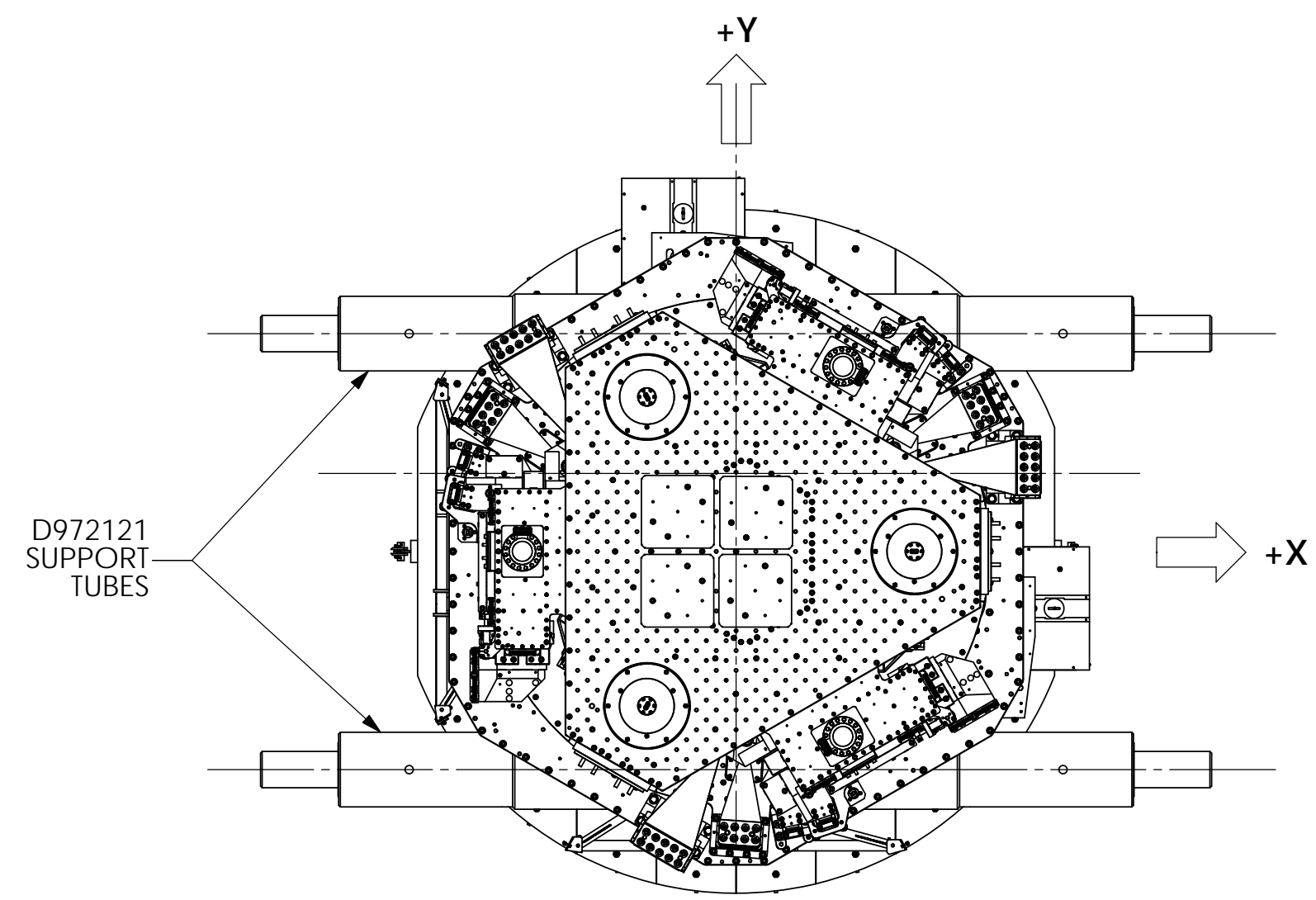
DIMENSIONS ARE IN INCHES [MM]	
TOLERANCES: .XX ± .01 .XXX ± .005	
ANGULAR ± 0.5°	
MATERIAL	FINISH
--	-- μinch

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.	
SYSTEM	NEXT ASSY
ADVANCED LIGO	

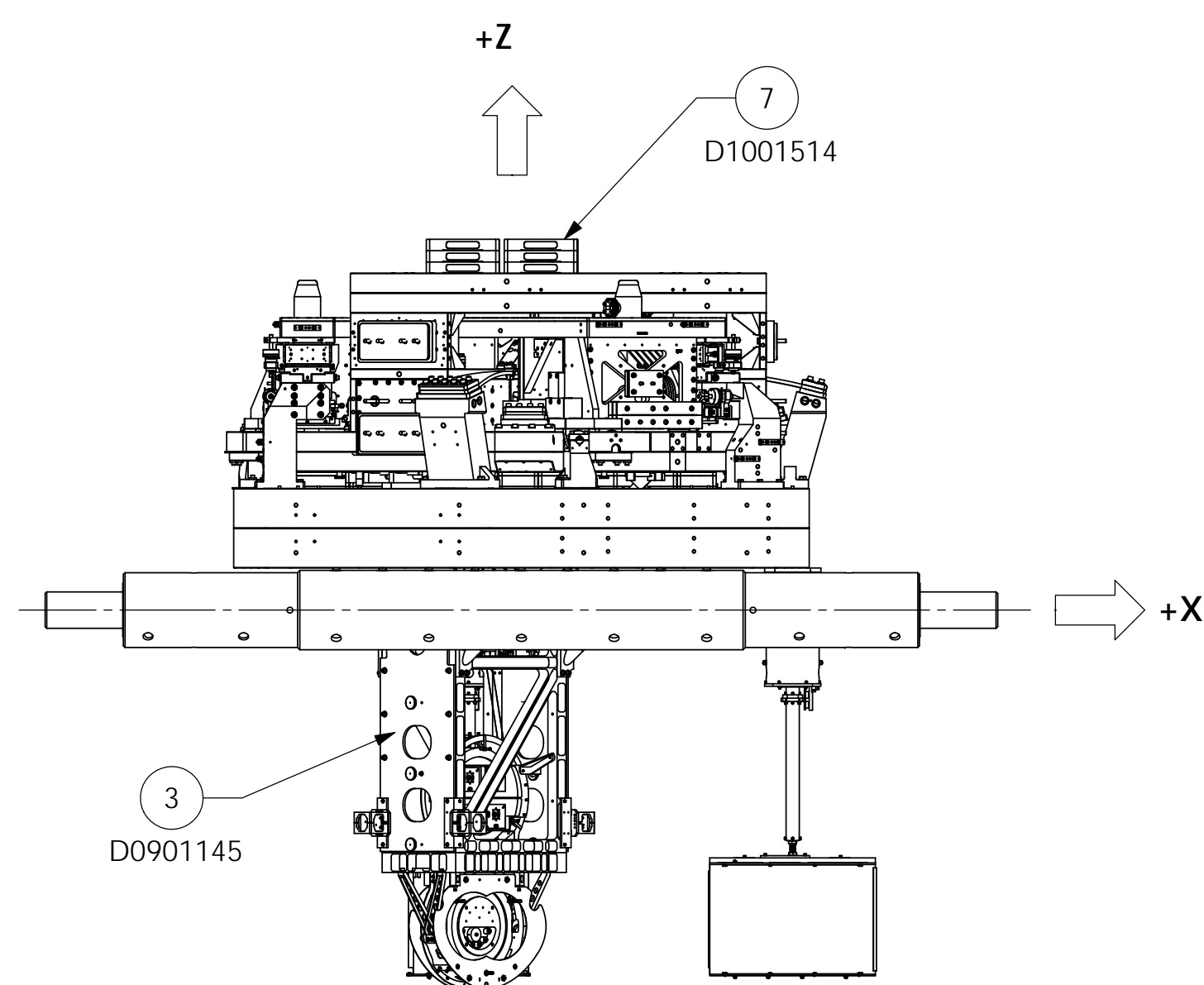
LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY	
SYSTEM	SUB-SYSTEM
ADVANCED LIGO	SUS

PART NAME			
BSC2-H1 Top Level Chamber Assembly, Fully Defined			
DESIGNER	DATE	SIZE	DWG. NO.
ED CHAVEZ	23 APR 2012	D	D0901142
CHECKER	23 APR 2012		
C. TORRIE			
APPROVAL		SCALE: 1:24	PROJECTION:
			SHEET 1 OF 3

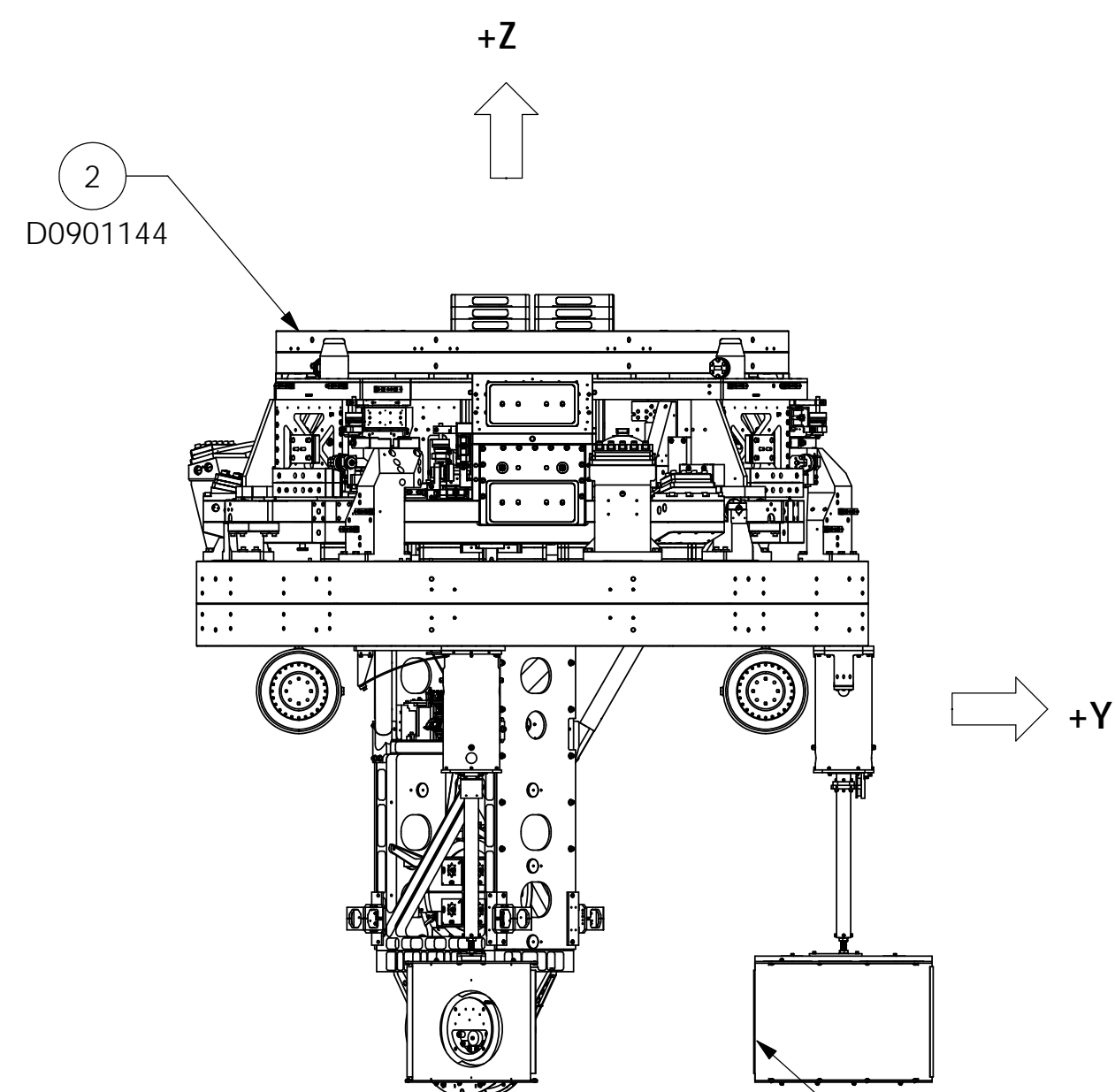
SolidWorks Educational License
Instructional Use Only



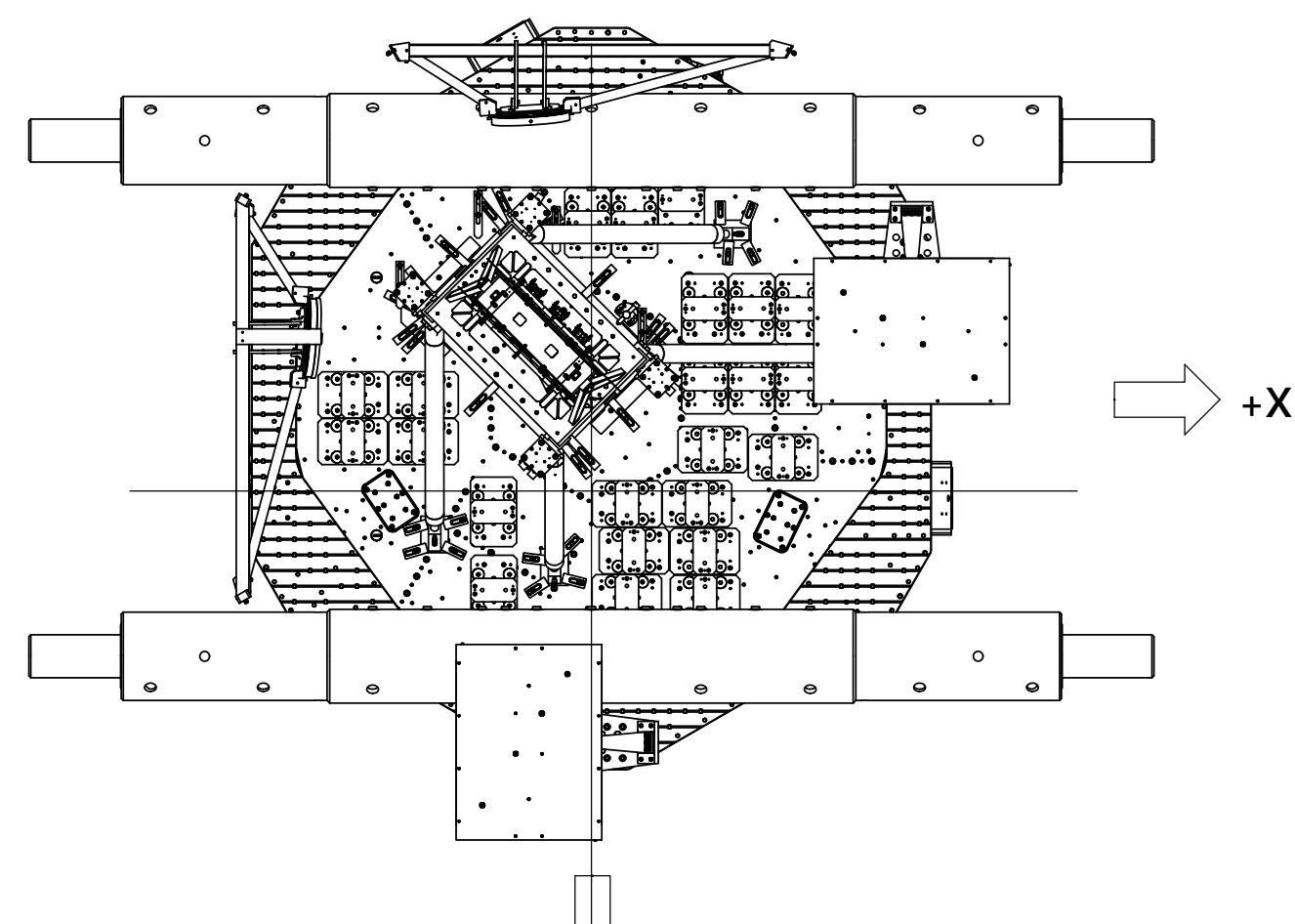
TOP VIEW



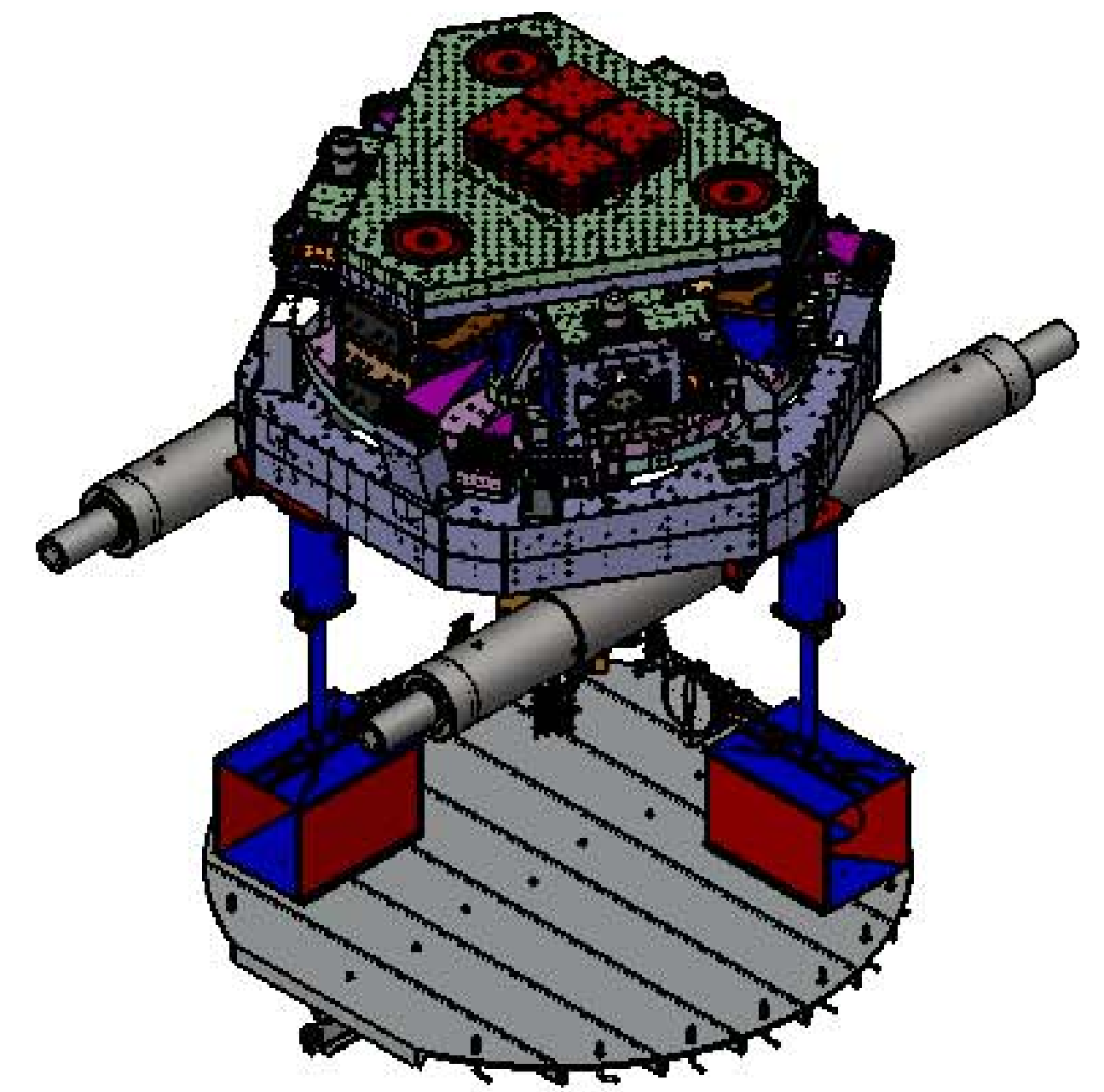
FRONT VIEW



RIGHT VIEW



BOTTOM VIEW



D961115
(REFER TO D1101429 FOR
ORIENTATION W/R TO CHAMBER)

ITEM NO.	PART NUMBER	DESCRIPTION	QTY
7	D1001514	AdvLIGO BSC2-H1 ISI Table, Payload & Suspended Masses Assy	1
6	D1001245	AdvLIGO SUS, BSC2-H1 Local CS for CO2 ITM Steering Mirror	1
5	D1000513	HEPI ASSEMBLY, BSC aLIGO	1
4	D1200609	AdvLIGO SUS BSC2-H1, XYZ Local CS for Elliptical Baffle (ITMX,ITMY)	1
3	D0901145	AdvLIGO SUS BSC2-H1, XYZ Local CS for BS HR	1
2	D0901144	AdvLIGO SEI BSC2-H1, XYZ Local CS for ISI Table	1
1	D0901143	AdvLIGO VE BSC2-H1, Vacuum Equipment Assembly	1

PARTS LIST

LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

SIZE	DWG. NO.	REV.
D	D0901142	v5
SCALE: 1:24	PROJECTION:	SHEET 2 OF 3

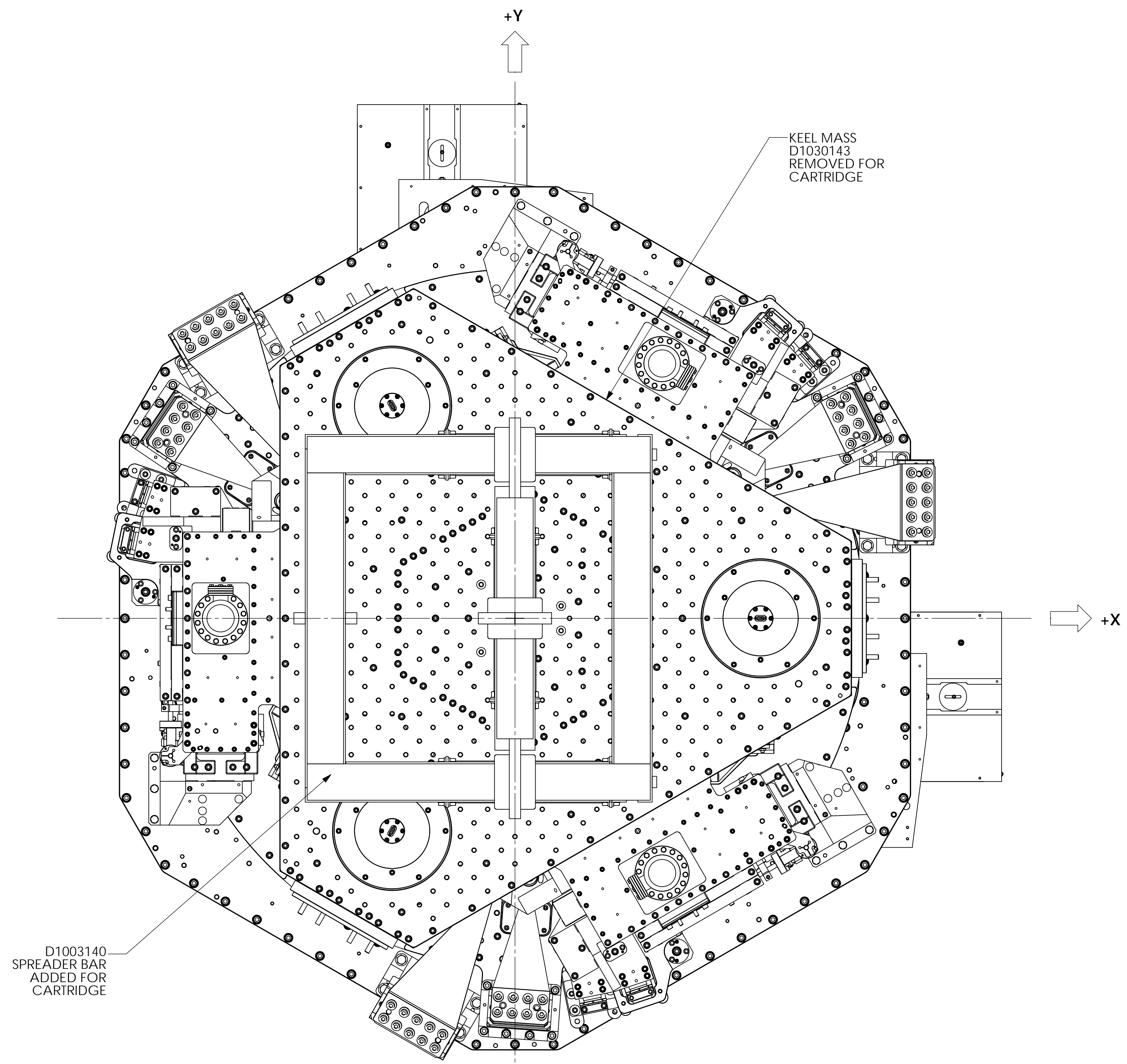
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D0901142 AdvLIGO Systems, BSC2-H1 Top Level Chamber Assembly, PART PDM REV: X-035, DRAWING PDM REV: X-000

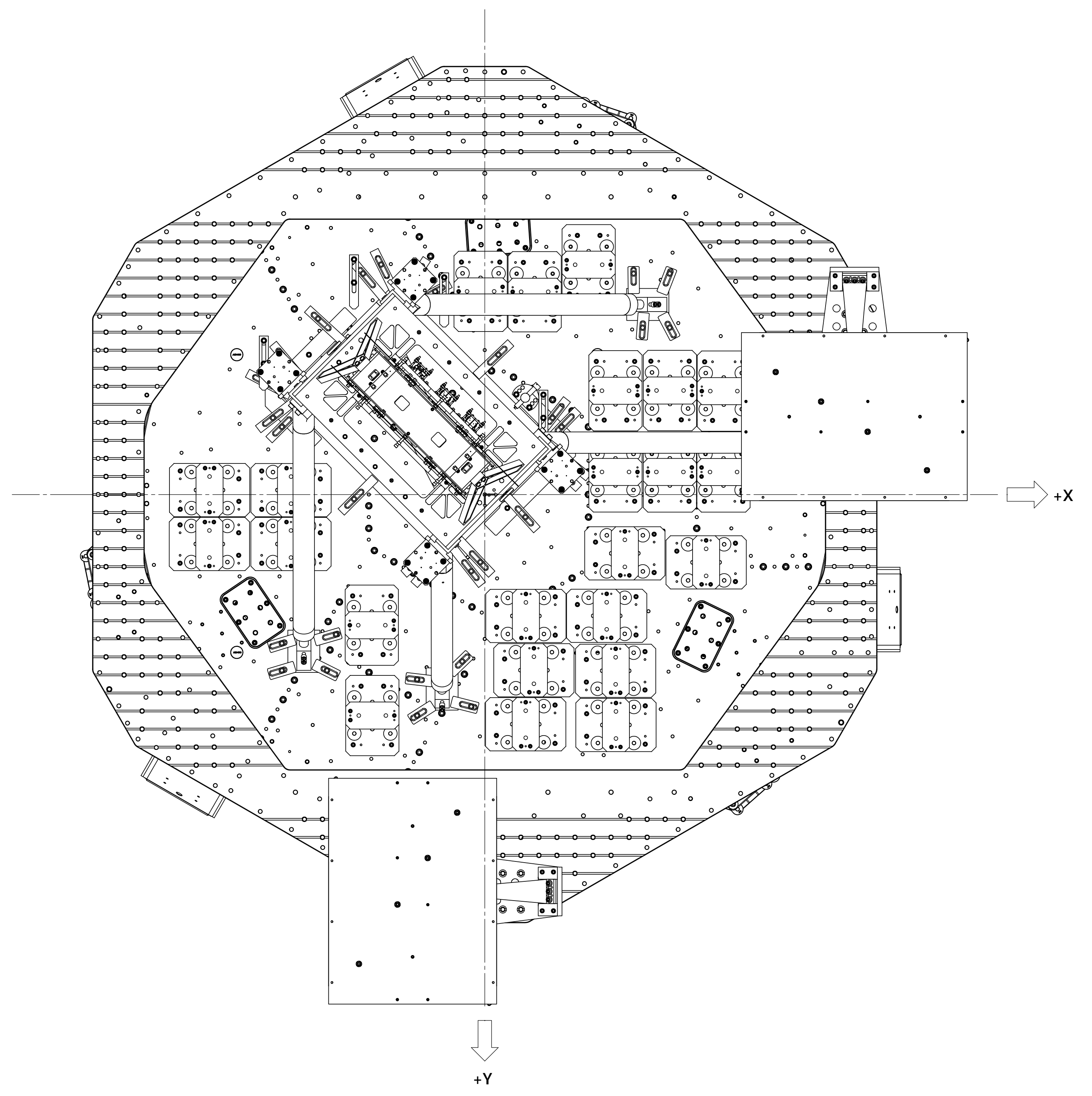
8 7 6 5 4 3 2 1

H G F E D C B A

H G F E D C B A



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



BOTTOM VIEW
(LOOKING UP)

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LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY	
SIZE DWG. NO.	REV.
D D0901142	v5
SCALE: 1:8	PROJECTION: SHEET 3 OF 3

8 7 6 5 4 3 2 1

D0901142_A001.LGO Systems: BSC2-H1 Top Level Chamber Assembly: PART.PDM REV: X.055: DRAWING.PDM REV: X.000