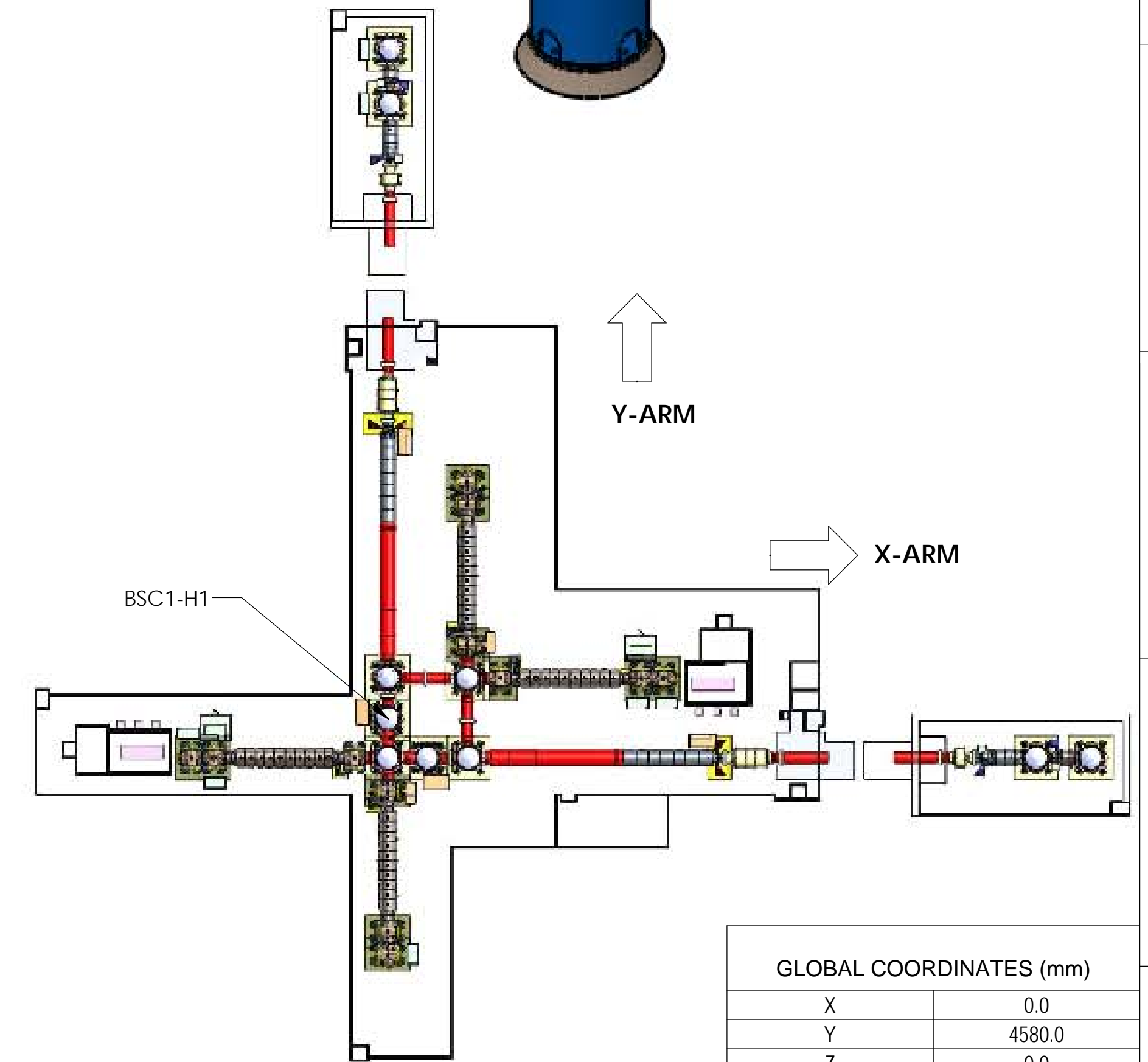
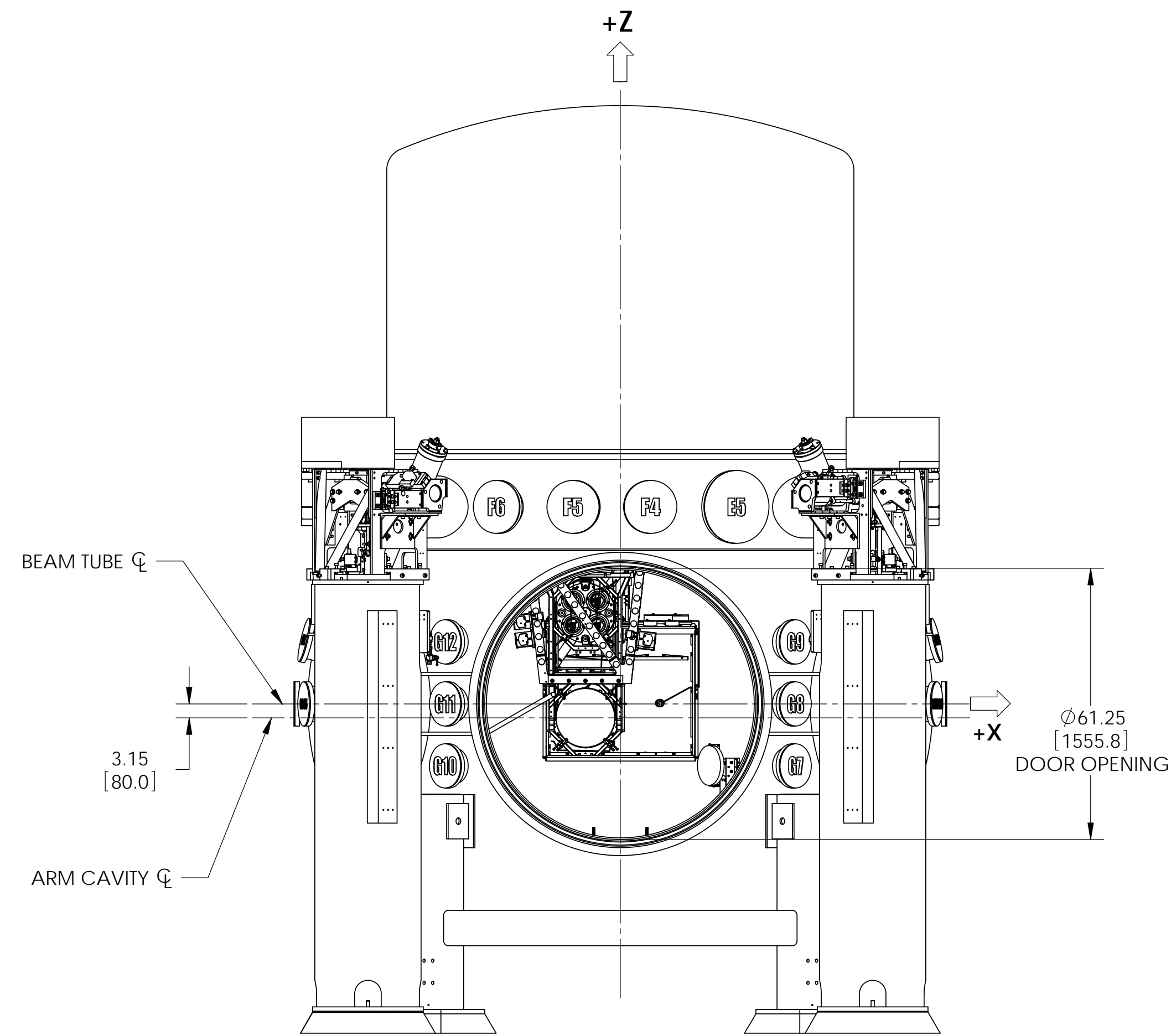
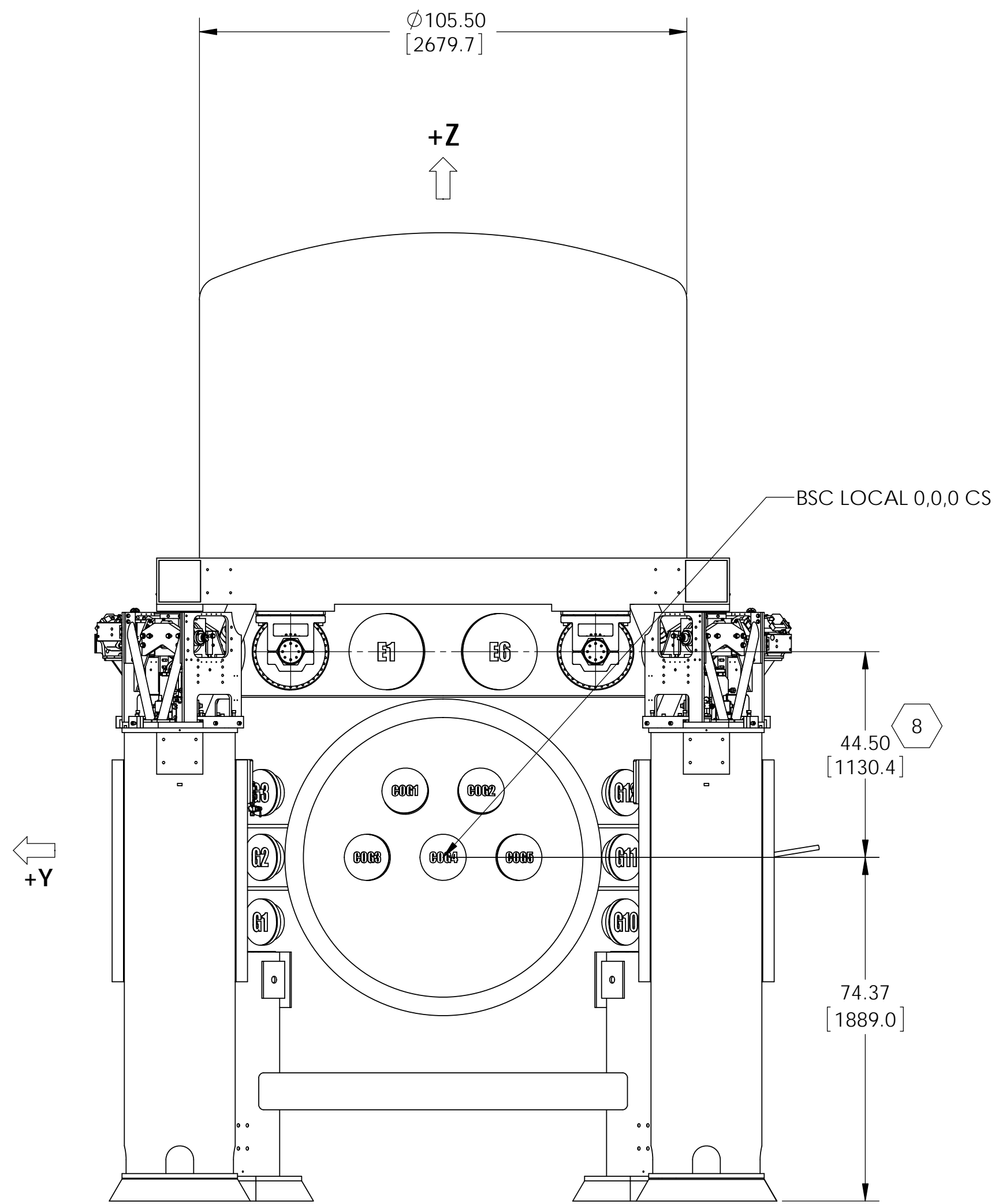
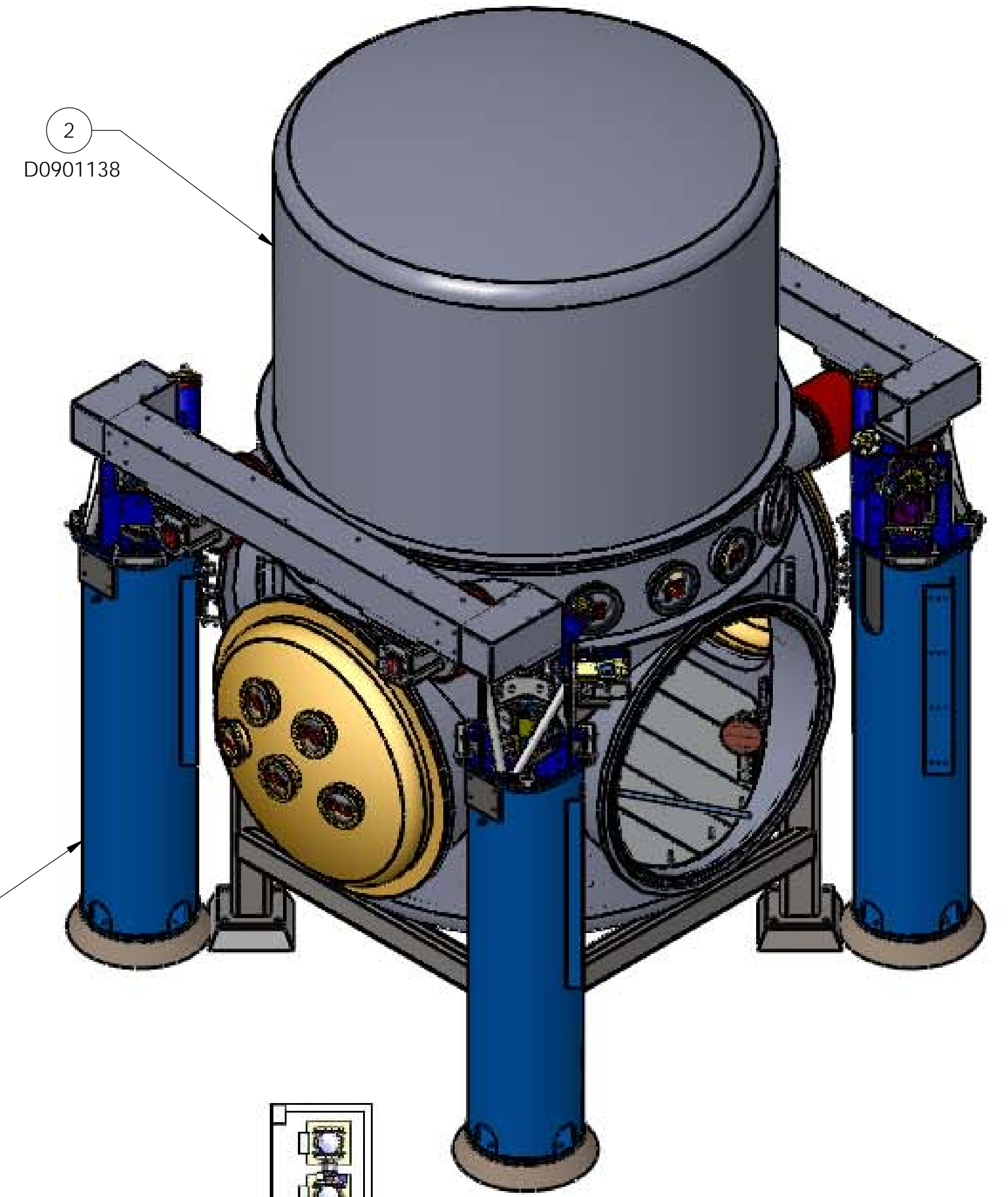
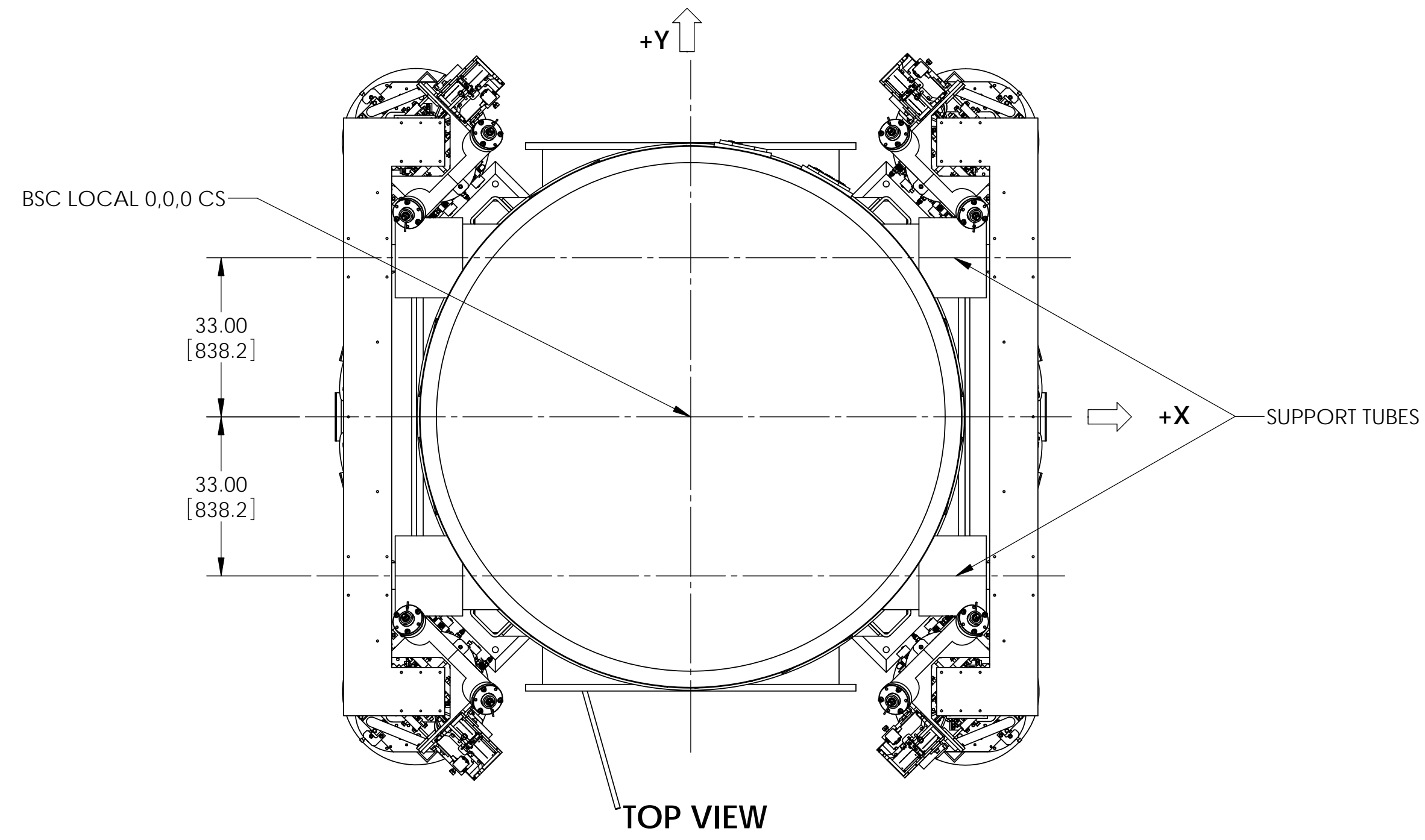


5. REFER TO DOCUMENT D1101271 FOR OPTICAL TABLE HOLE TABULATION CONVENTION.
6. REFER TO G1000125 FOR ISI NAMING AND ORIENTATION CONVENTION.
7. REFER TO T1100292 FOR VIEWPORT DEFINITION
8. DIMENSION WRT LOCAL BUILDING CS. REFER TO E1200625 FOR LOCAL COORDINATES OF SUPPORT TUBES END



GLOBAL COORDINATES (mm)	
X	0.0
Y	4580.0
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
--	-- μ inch

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

PART NAME			
AdvLIGO Systems, BSC1-H1 Top Level Chamber Assembly			
DESIGNER	DATE	SIZE	DWG. NO.
DRAFTER	21 OCT 2009	D	D0901137
CHECKER			
APPROVAL			
SCALE: 1:24		PROJECTION:	SHEET 1 OF 3

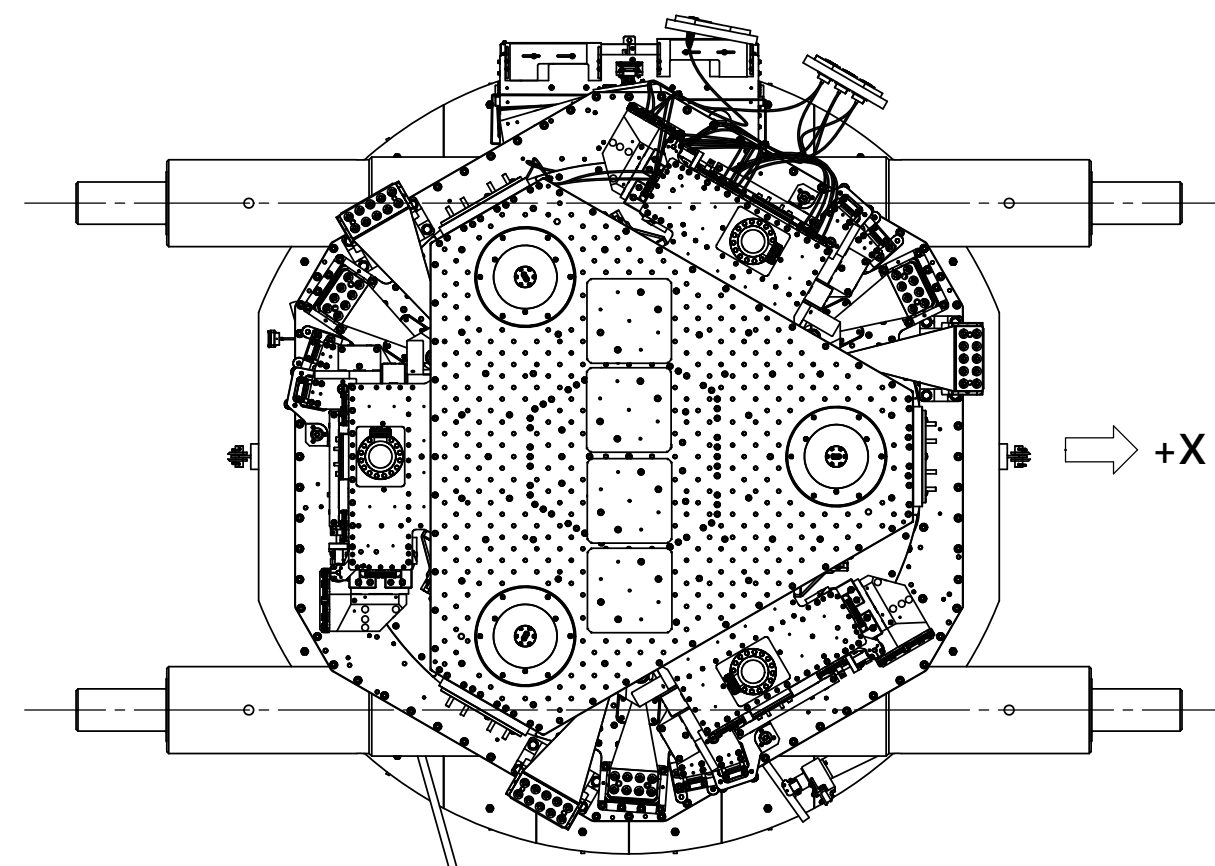
DIMENSIONS ARE IN INCHES [MM]

TOLERANCES:
 .XX ± .01
 .XXX ± .005

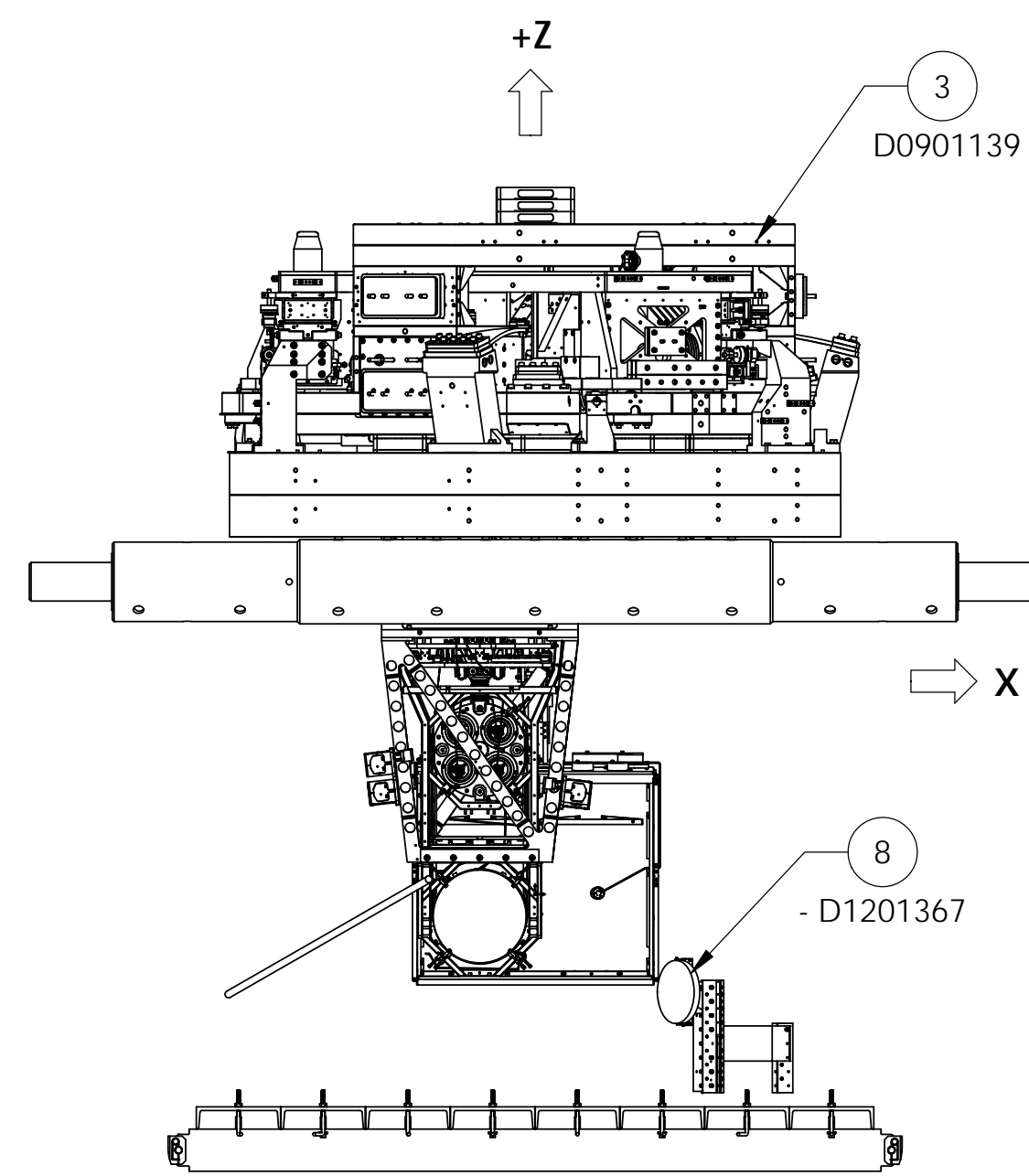
ANGULAR ± 0.5°

A

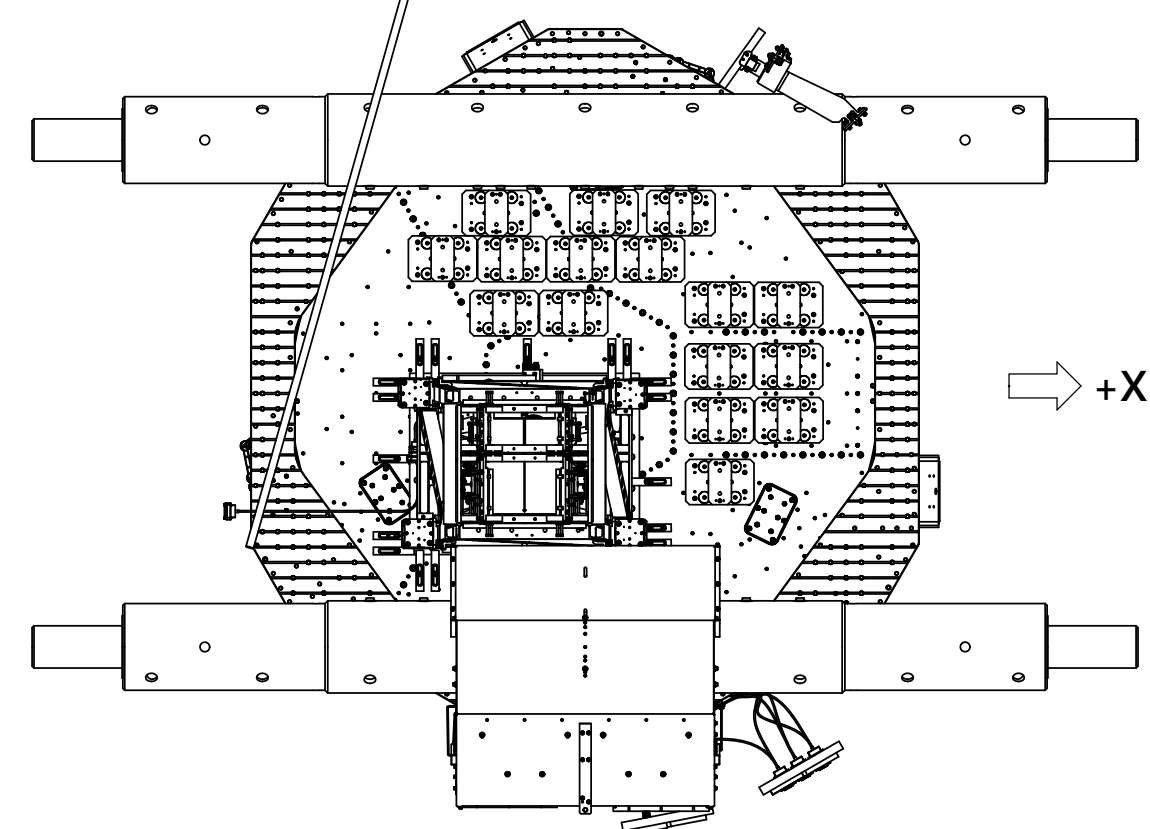
D0901137 AdvLIGO Systems, BSC1-H1 Top Level Chamber Assembly, PART PDM REV: X-040, DRAWING PDM REV: X-000



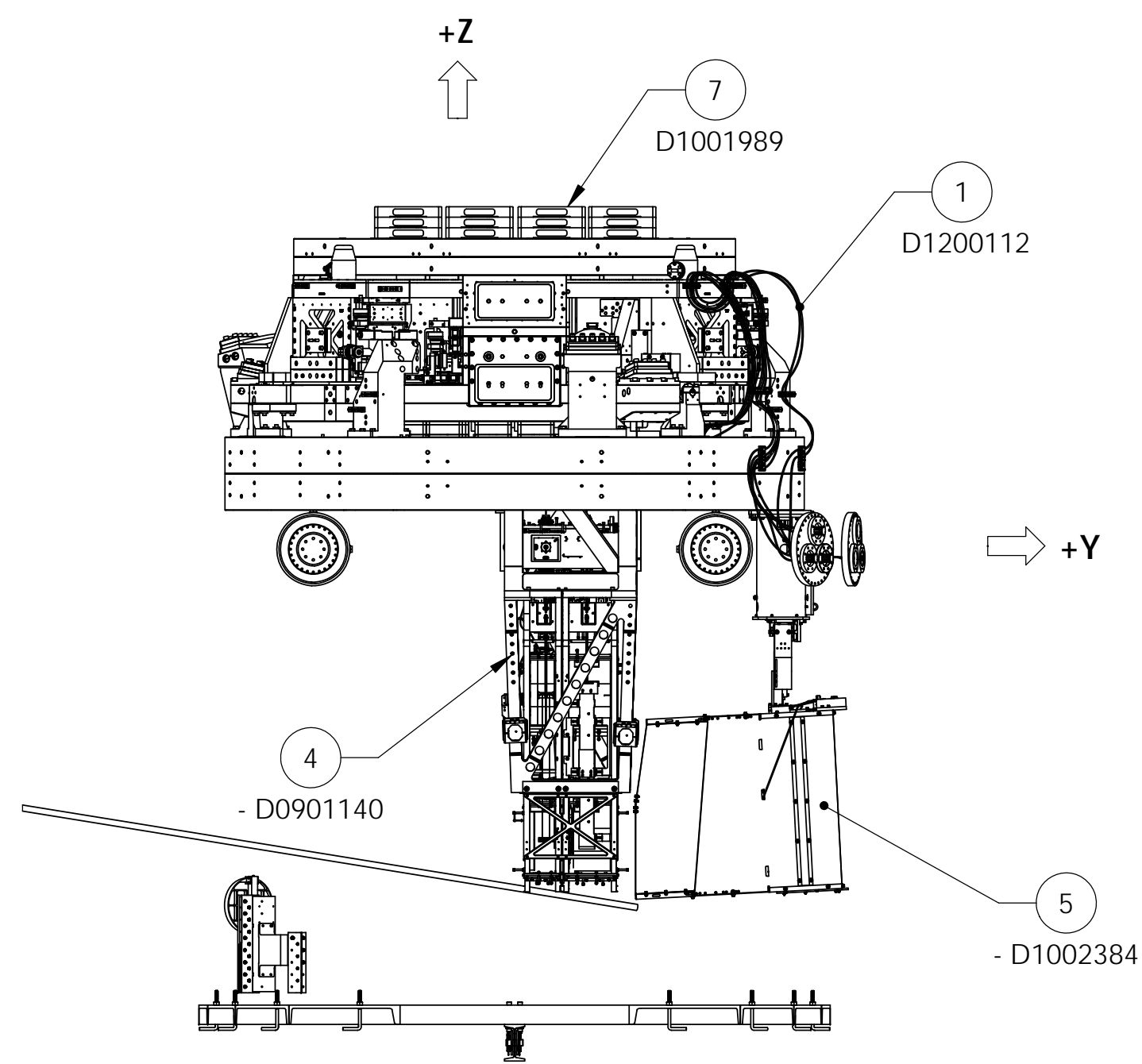
TOP VIEW



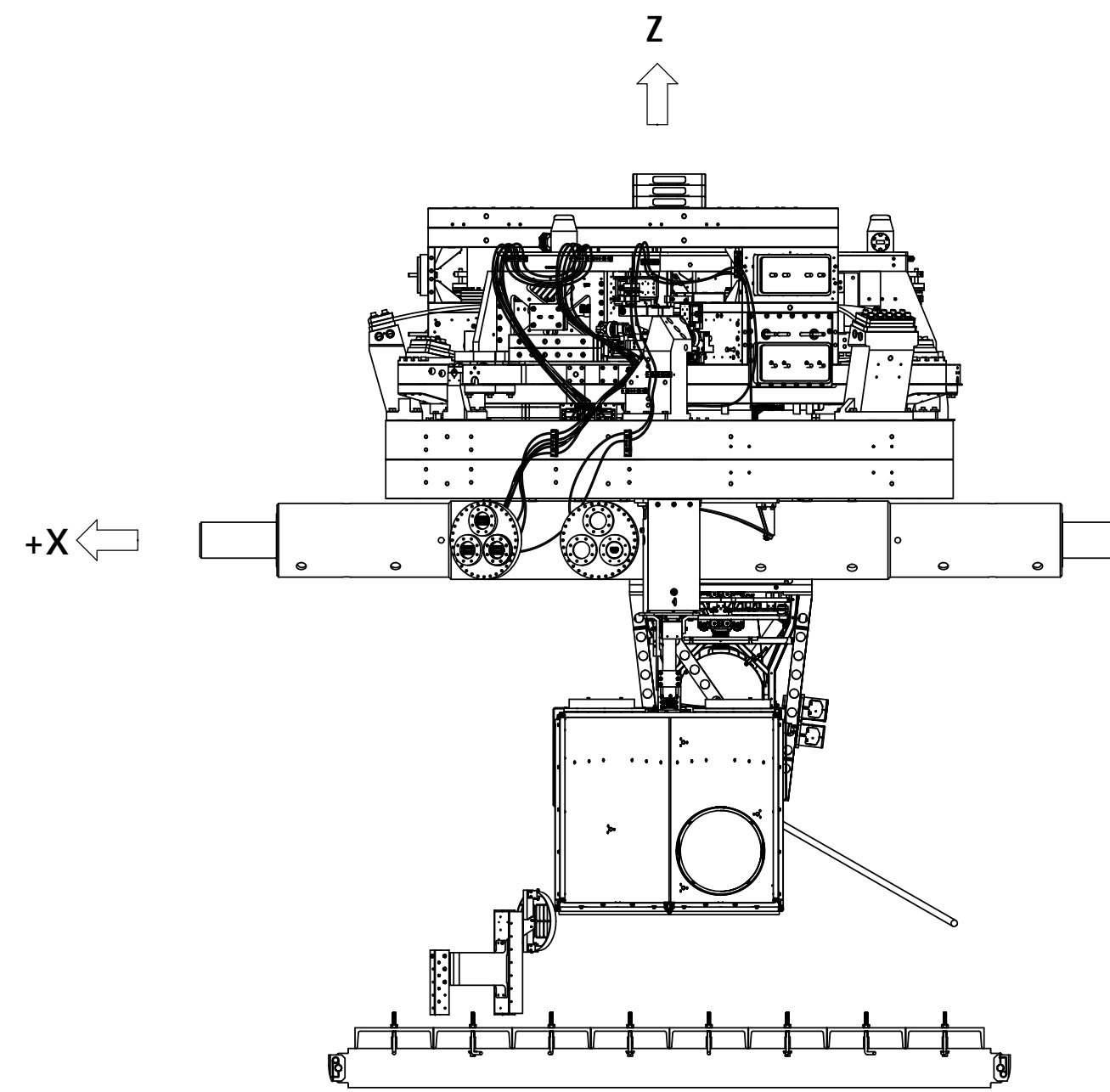
FRONT VIEW



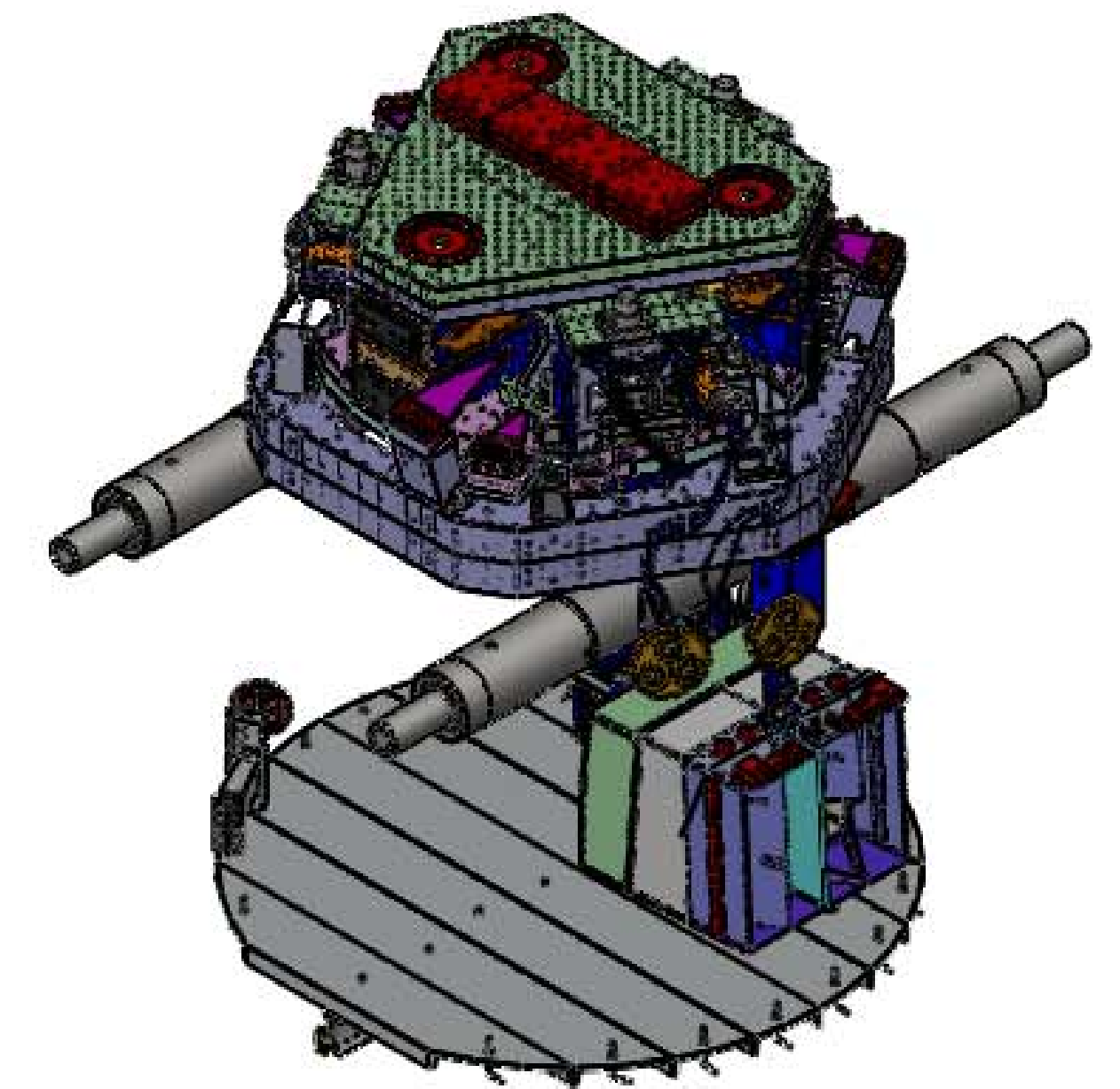
BOTTOM VIEW



RIGHT VIEW



BACK VIEW



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
8	D1201367	AdvLIGO SUS BSC1-H1, XYZ Local CS for TCS CO2P Steering Mirror	1
7	D1001989	AdvLIGO BSC1-H1 ISI Table, Payload & Suspended Masses Assy	1
6	D1000513	HEPI ASSEMBLY, BSC aLIGO	1
5	D1002384	AdvLIGO SUS BSC1-H1, XYZ Local CS for SLC Arm Cavity Baffle	1
4	D0901140	AdvLIGO SUS BSC1-H1, XYZ Local CS for ITMY	1
3	D0901139	AdvLIGO, Seismic Isolation Table	1
2	D0901138	AdvLIGO VE BSC1-H1, Vacuum Equipment Assembly	1
1	D1200112	ALIGO, CABLE HARNESS ROUTING, BSC1	1

LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY
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SIZE DWG. NO. REV.
D D0901137 v5

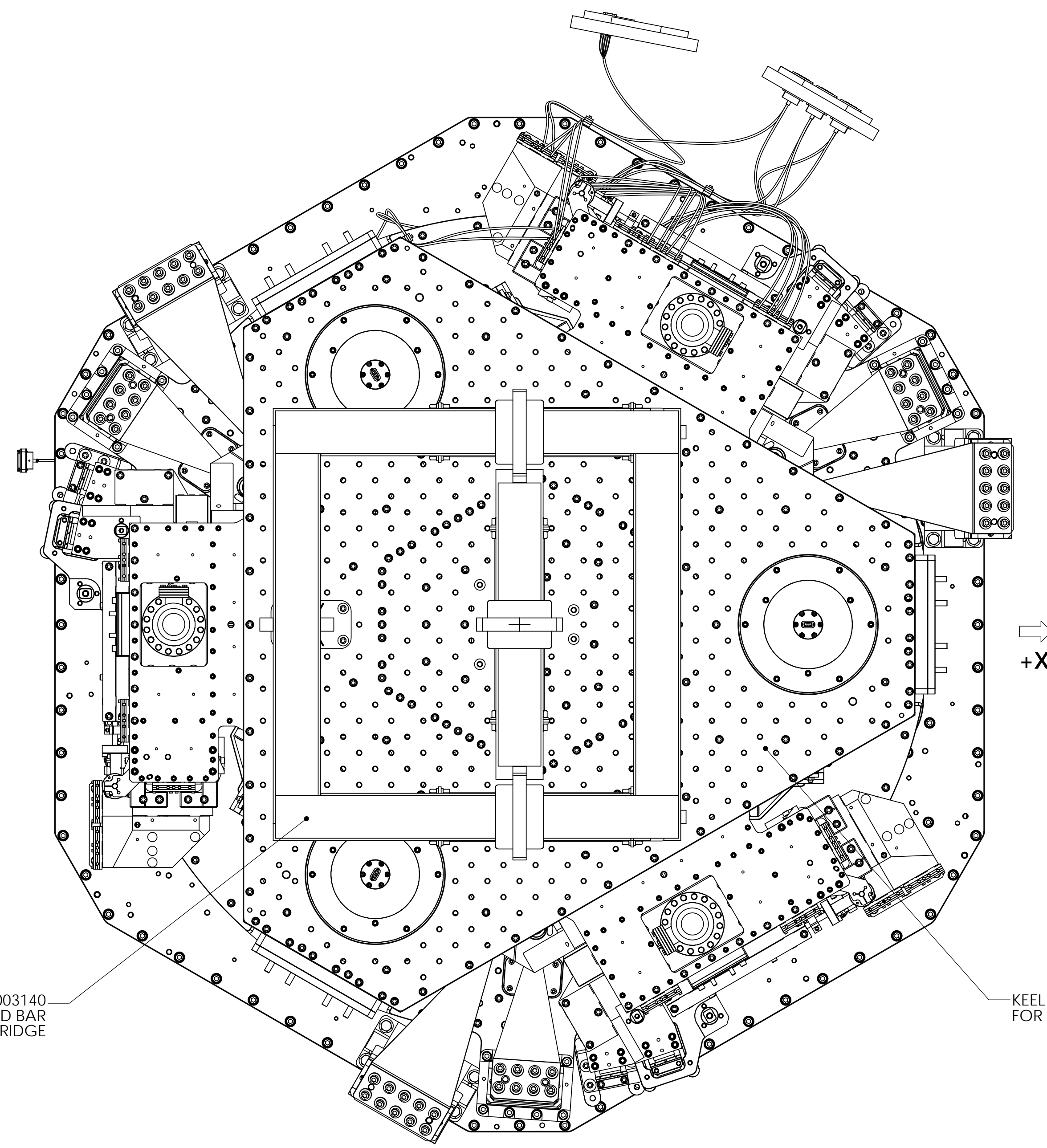
SCALE: 1:25 PROJECTION: SHEET 2 OF 3

D0901137 AdvLIGO Systems, BSC1-H1 Top Level Chamber Assembly, PART PDM REV: X-060, DRAWING PDM REV: X-000

8 7 6 5 4 3 2 1

H G F E D C B A

+Y
↑

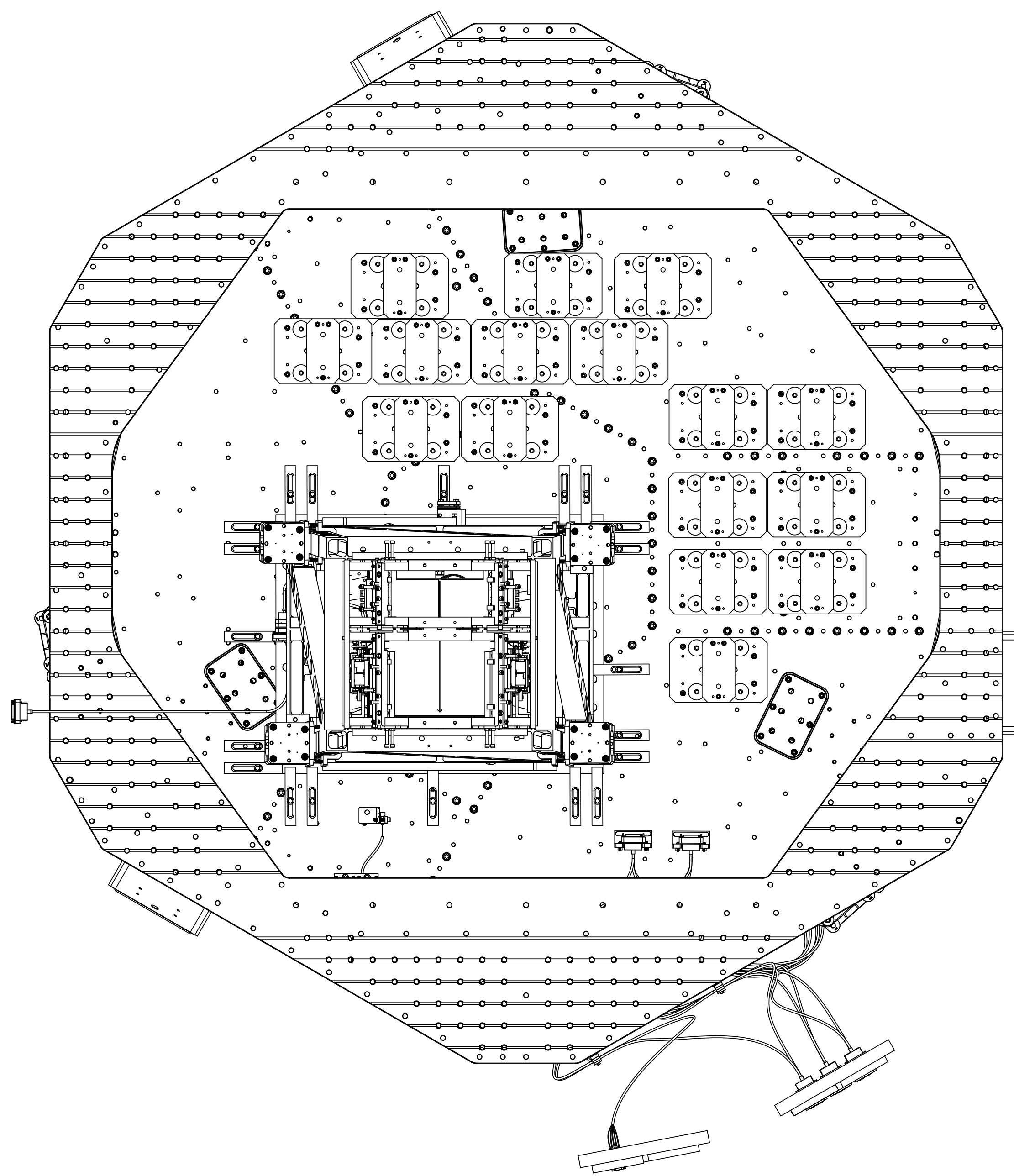


+X
→

D1003140
SPREADED BAR
ADDED FOR CARTRIDGE

KEEL MASS REMOVED
FOR CARTRIDGE

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



+X
→

+Y
↓

**BOTTOM VIEW
(LOOKING UP)**

DD901137 Add LIGO Systems, BSC:1:11 Top Level Chamber Assembly, PART PDM REV: X:040, DRAWING PDM REV: X:000

8 7 6 5 4 3 2 1

LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		
SIZE	DWG. NO.	REV.
D	D0901137	v5
SCALE: 1:8	PROJECTION:	SHEET 3 OF 3