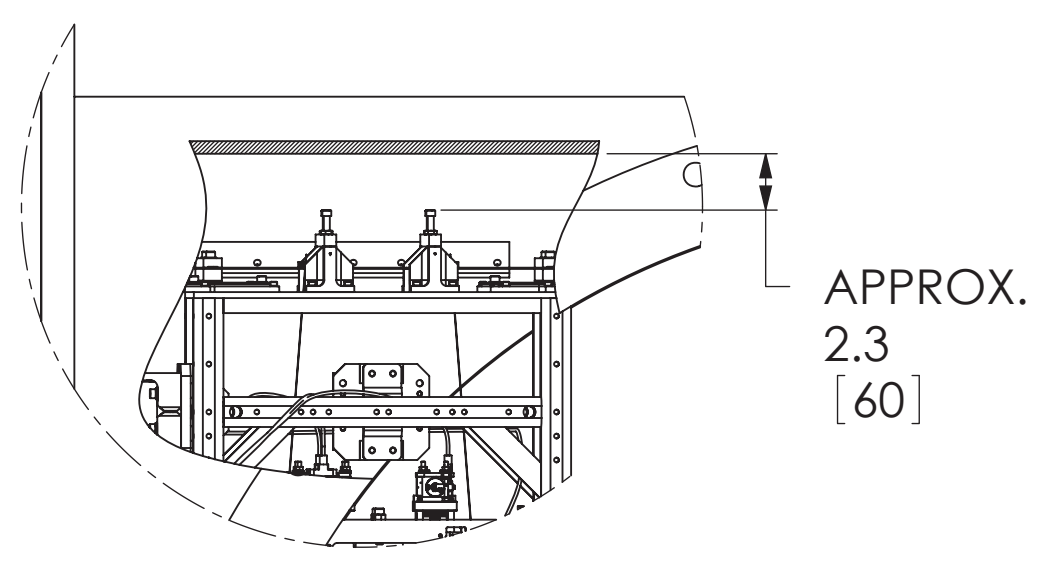
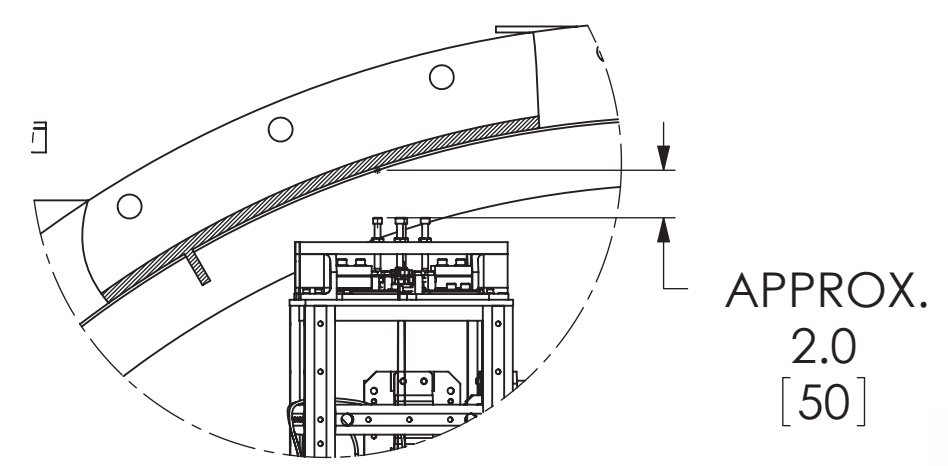


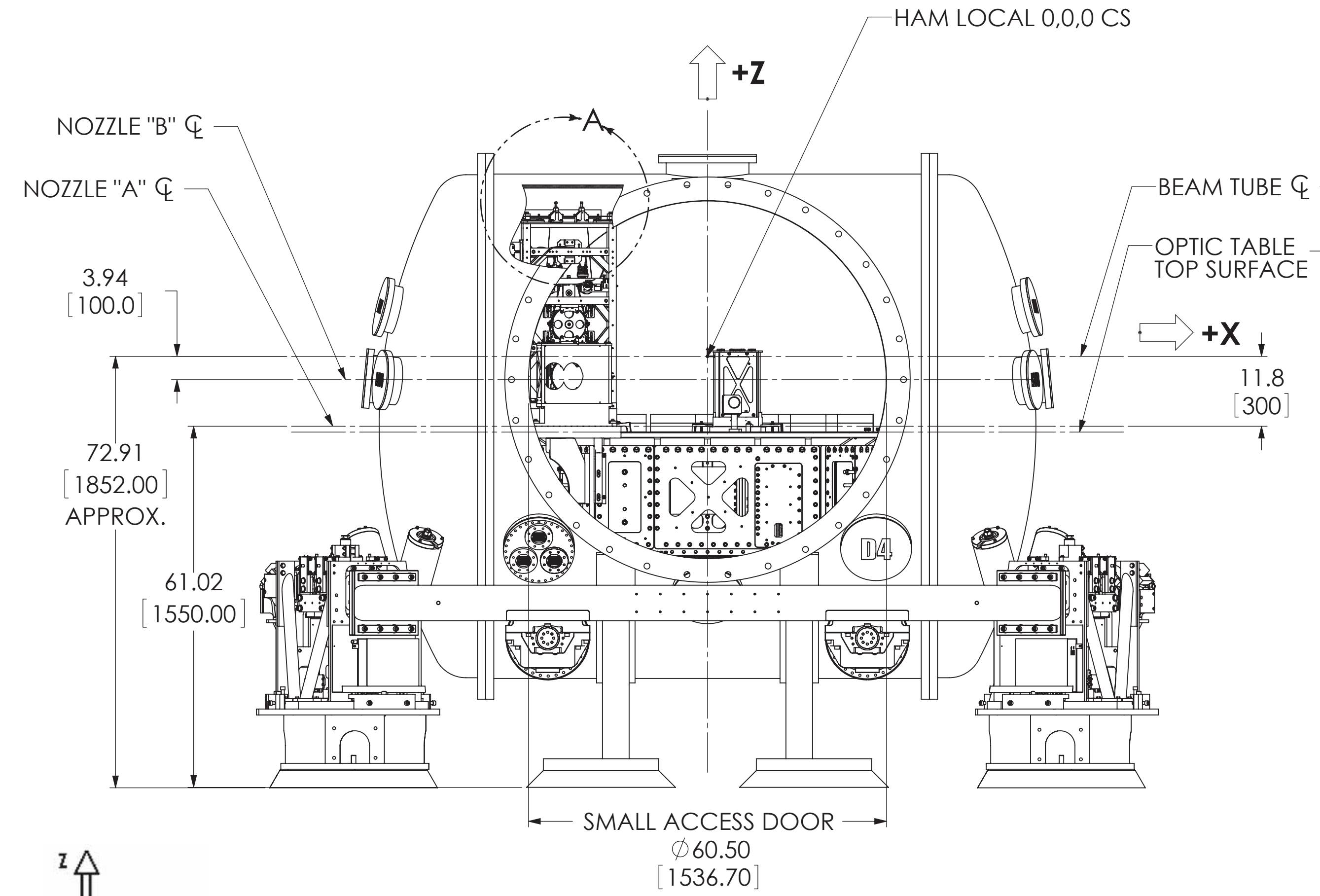
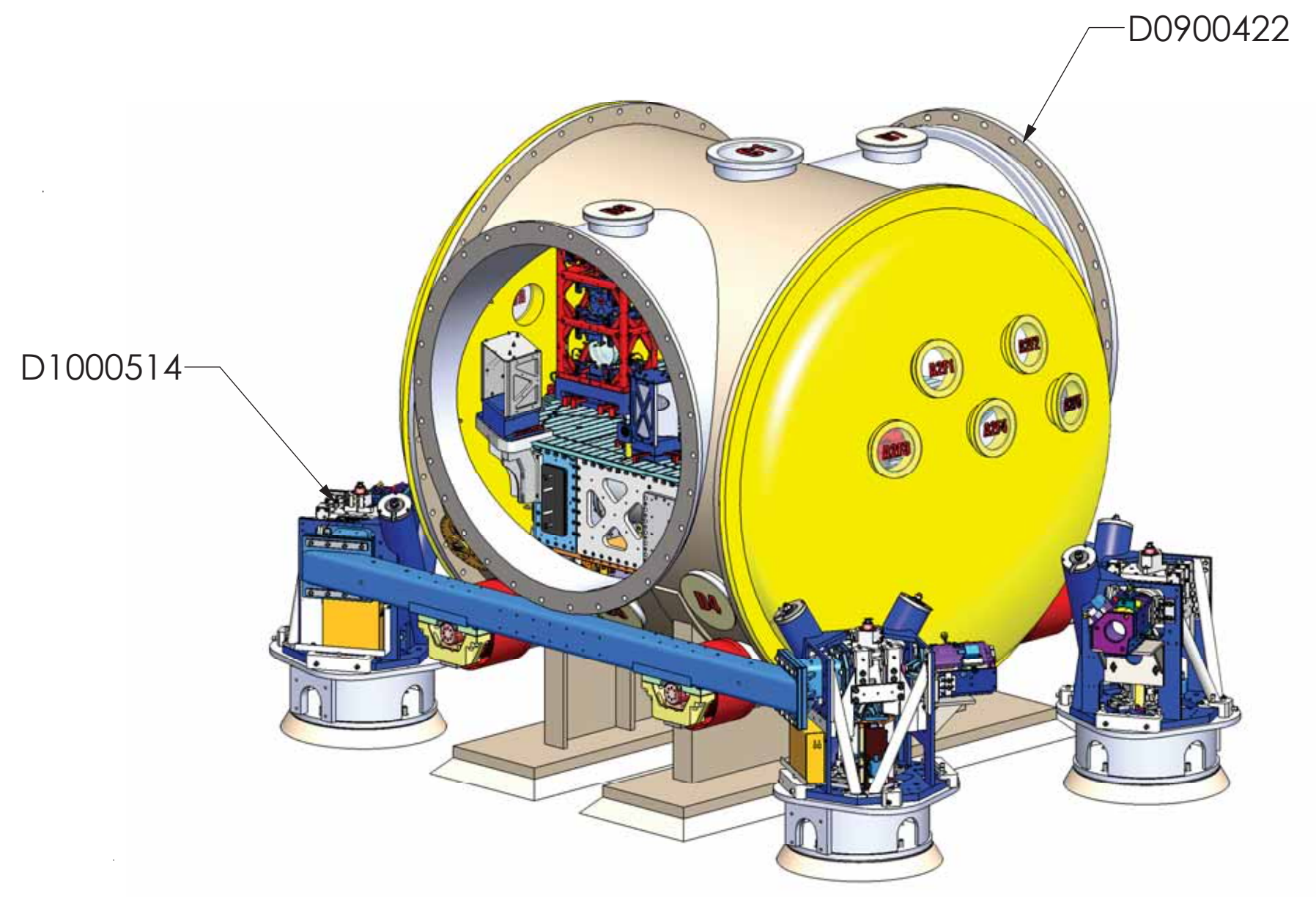
**TOP VIEW**



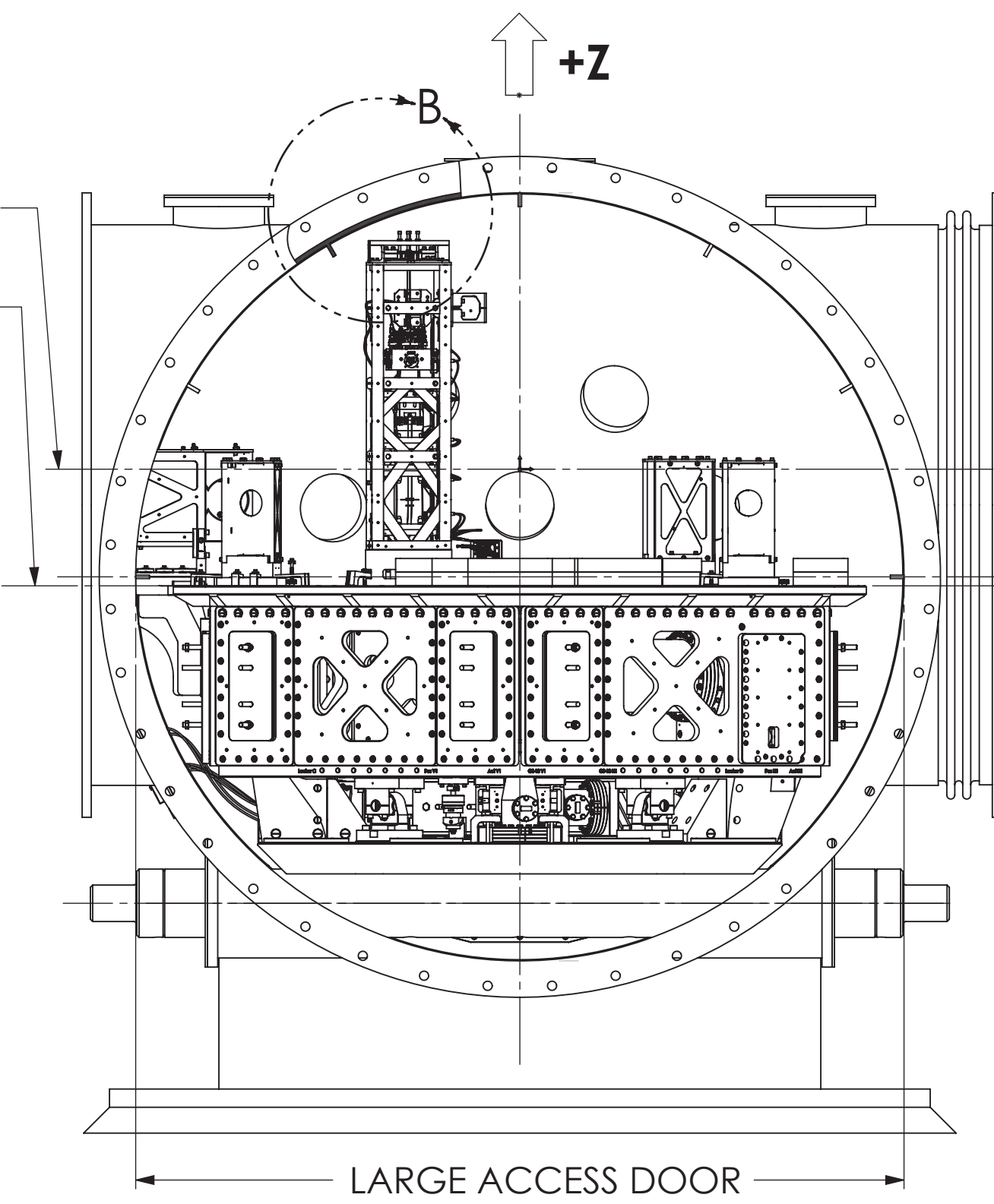
DETAIL A  
SCALE 1:8



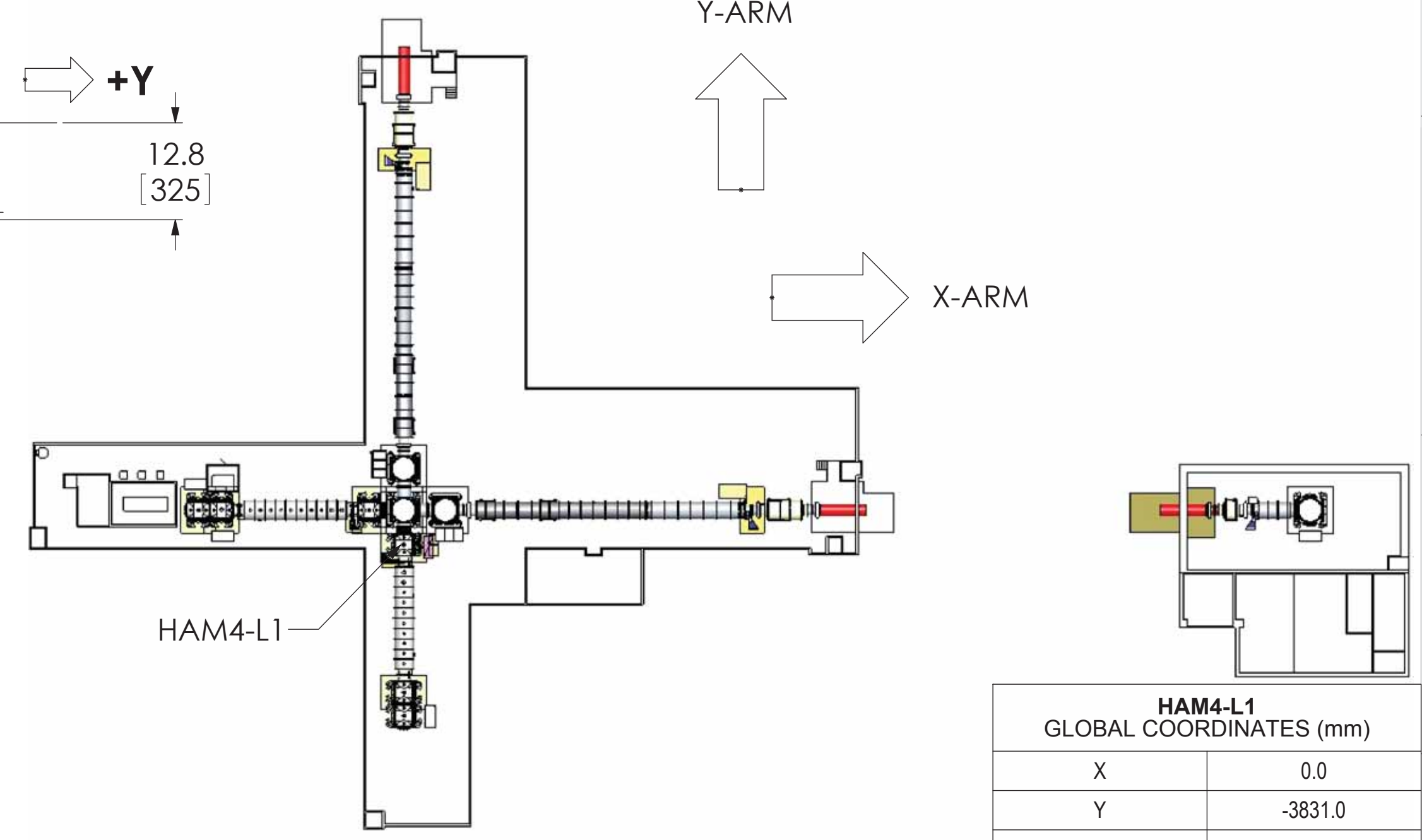
DETAIL B  
SCALE 1:8



**FRONT VIEW**



**RIGHT VIEW**



HAM4-L1 GLOBAL COORDINATES (mm)	
X	0.0
Y	-3831.0
Z	0.0



NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)

MATERIAL	--
FINISH	-- μinch

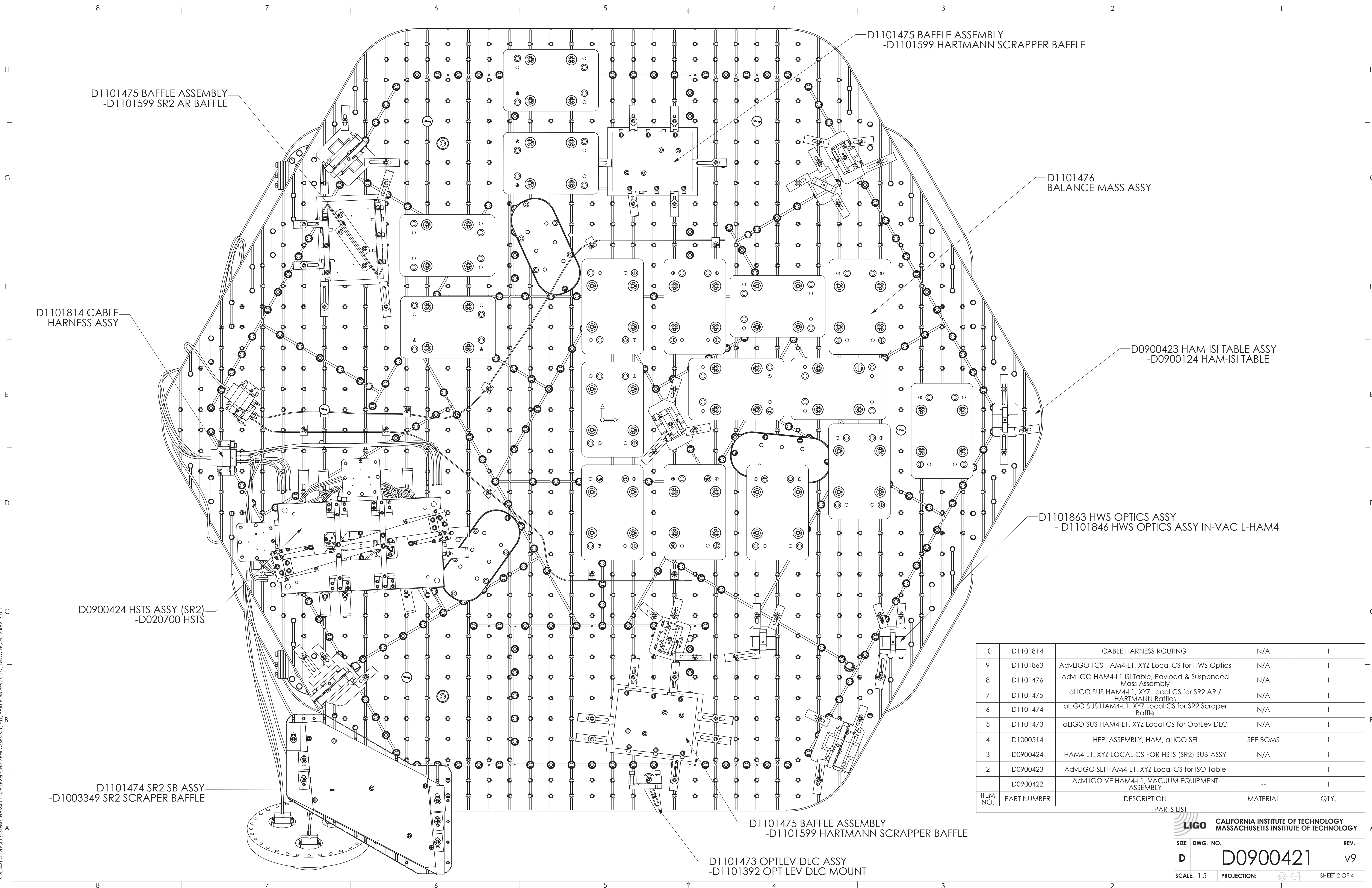
**LIGO** CALIFORNIA INSTITUTE OF TECHNOLOGY  
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

SYSTEM: ADVANCED LIGO    SUB-SYSTEM: SUS

NEXT ASSY

PART NAME <b>HAM4-L1 TOP LEVEL CHAMBER ASSEMBLY, FULLY DEFINED</b>			
DESIGNER	ED CHAVEZ	27 JUL 2009	SIZE
DRAFTER	ED CHAVEZ	27 JUL 2009	DWG. NO.
CHECKER	C. TORRIE	15 NOV 2011	<b>D</b>
APPROVAL	SEE DCC		<b>D0900421</b>
SCALE: 1:16		PROJECTION:	SHEET 1 OF 4

D0900421 ADV LIGO SYSTEMS: HAM4-L1 TOP LEVEL CHAMBER ASSEMBLY: ALL PART PDM REV: X-077: DRAWING PDM REV: X-017



ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	QTY.
10	D1101814	CABLE HARNESS ROUTING	N/A	1
9	D1101863	AdvLIGO TCS HAM4-L1, XYZ Local CS for HWS Optics	N/A	1
8	D1101476	AdvLIGO HAM4-L1 Isi Table, Payload & Suspended Mass Assembly	N/A	1
7	D1101475	aLIGO SUS HAM4-L1, XYZ Local CS for SR2 AR / HARTMANN Baffles	N/A	1
6	D1101474	aLIGO SUS HAM4-L1, XYZ Local CS for SR2 Scraper Baffle	N/A	1
5	D1101473	aLIGO SUS HAM4-L1, XYZ Local CS for OptLev DLC	N/A	1
4	D1000514	HEPI ASSEMBLY, HAM, aLIGO SEI	SEE BOMS	1
3	D0900424	HAM4-L1, XYZ LOCAL CS FOR HSTS (SR2) SUB-ASSY	N/A	1
2	D0900423	AdvLIGO SEI HAM4-L1, XYZ Local CS for ISO Table	--	1
1	D0900422	AdvLIGO VE HAM4-L1, VACUUM EQUIPMENT ASSEMBLY	--	1

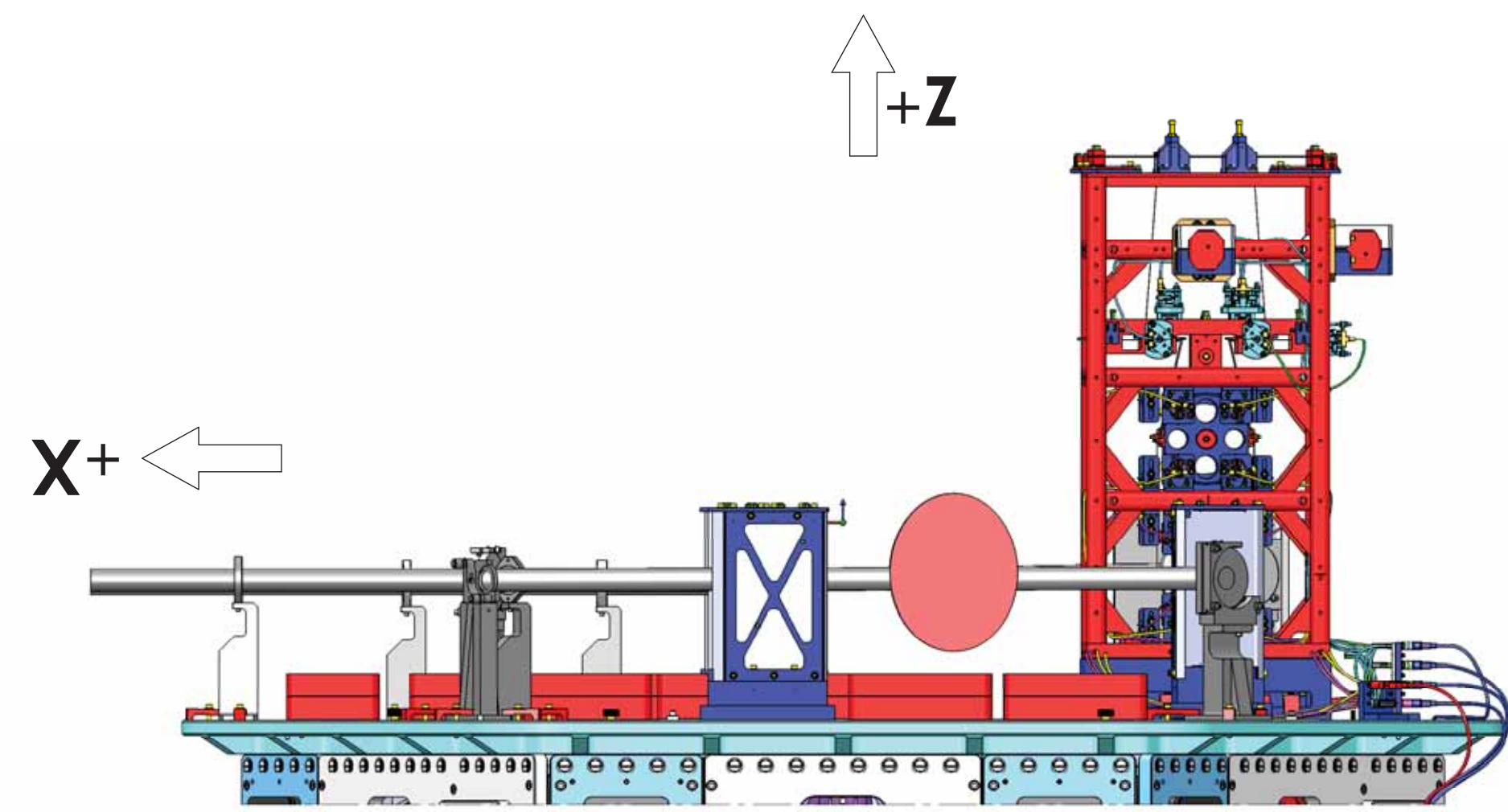
PARTS LIST

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

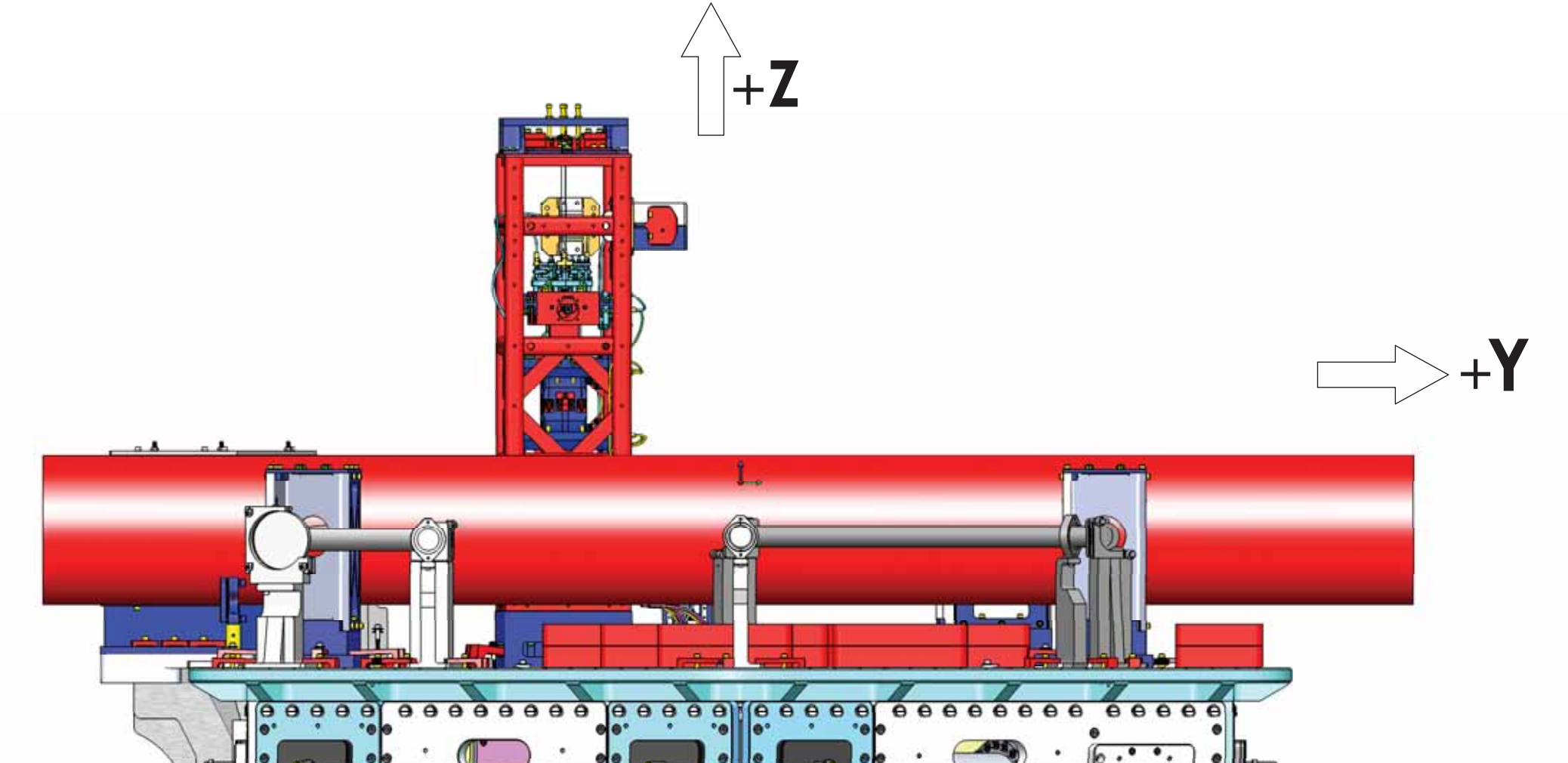
SIZE DWG. NO. REV.  
**D** **D0900421** v9

SCALE: 1:5 PROJECTION: SHEET 2 OF 4

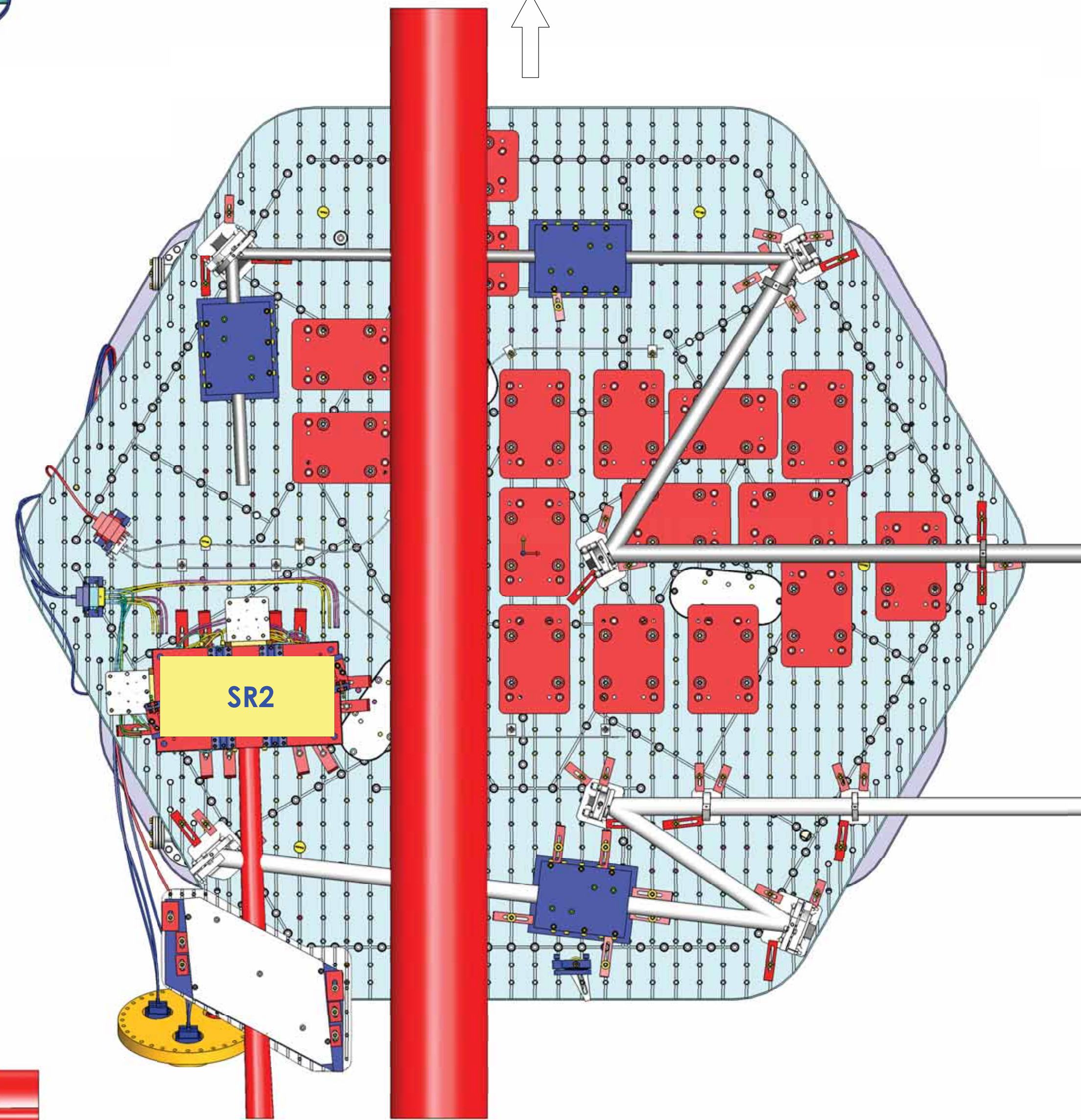
D0900421 ADVLIGO SYSTEMS: HAM4-L1 TOP LEVEL CHAMBER ASSEMBLY: ALL PART PDM REV: X-077: DRAWING PDM REV: X-017



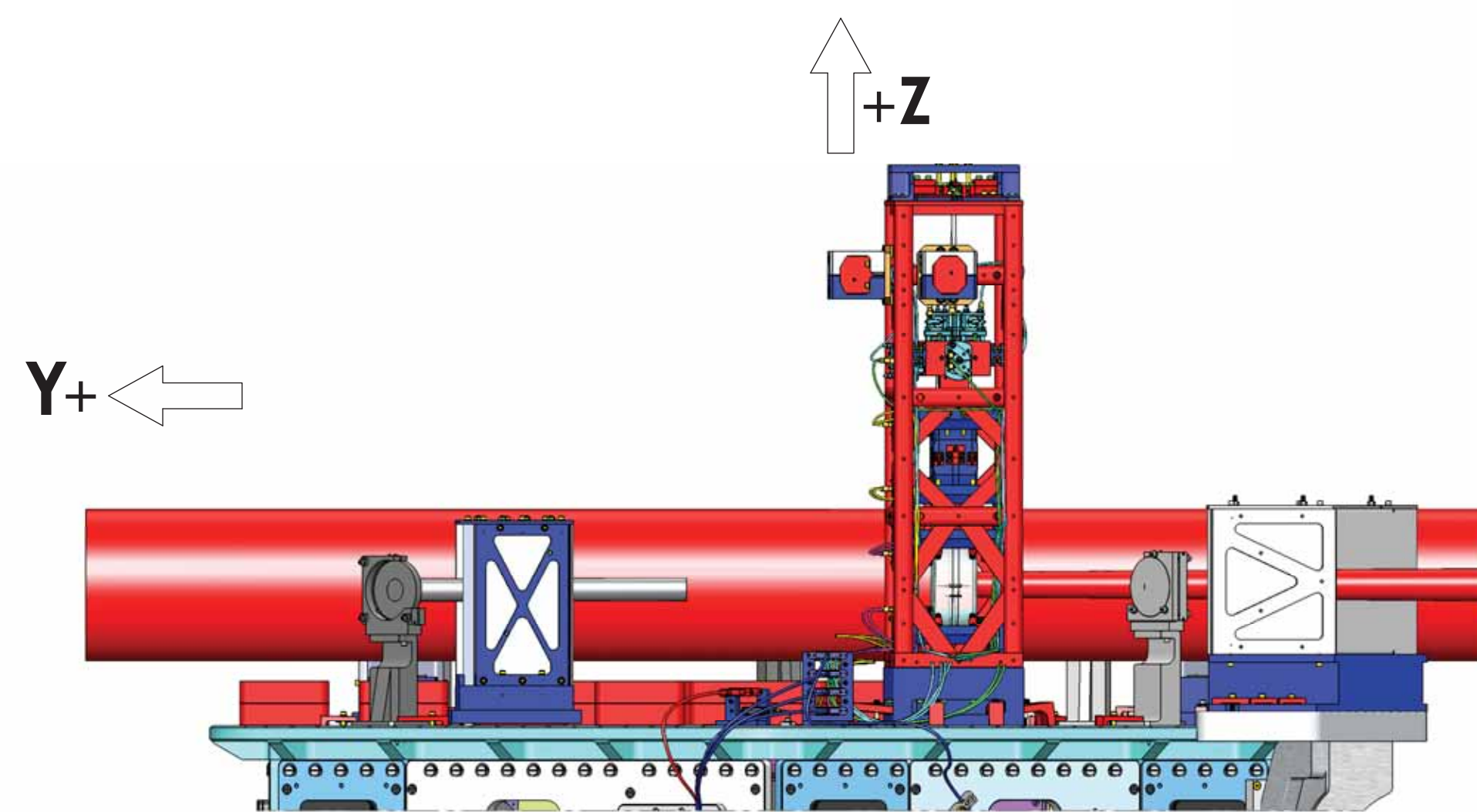
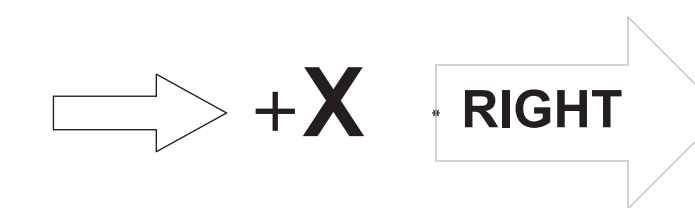
REAR VIEW  
(ROTATED 180 DEGREES CCW)



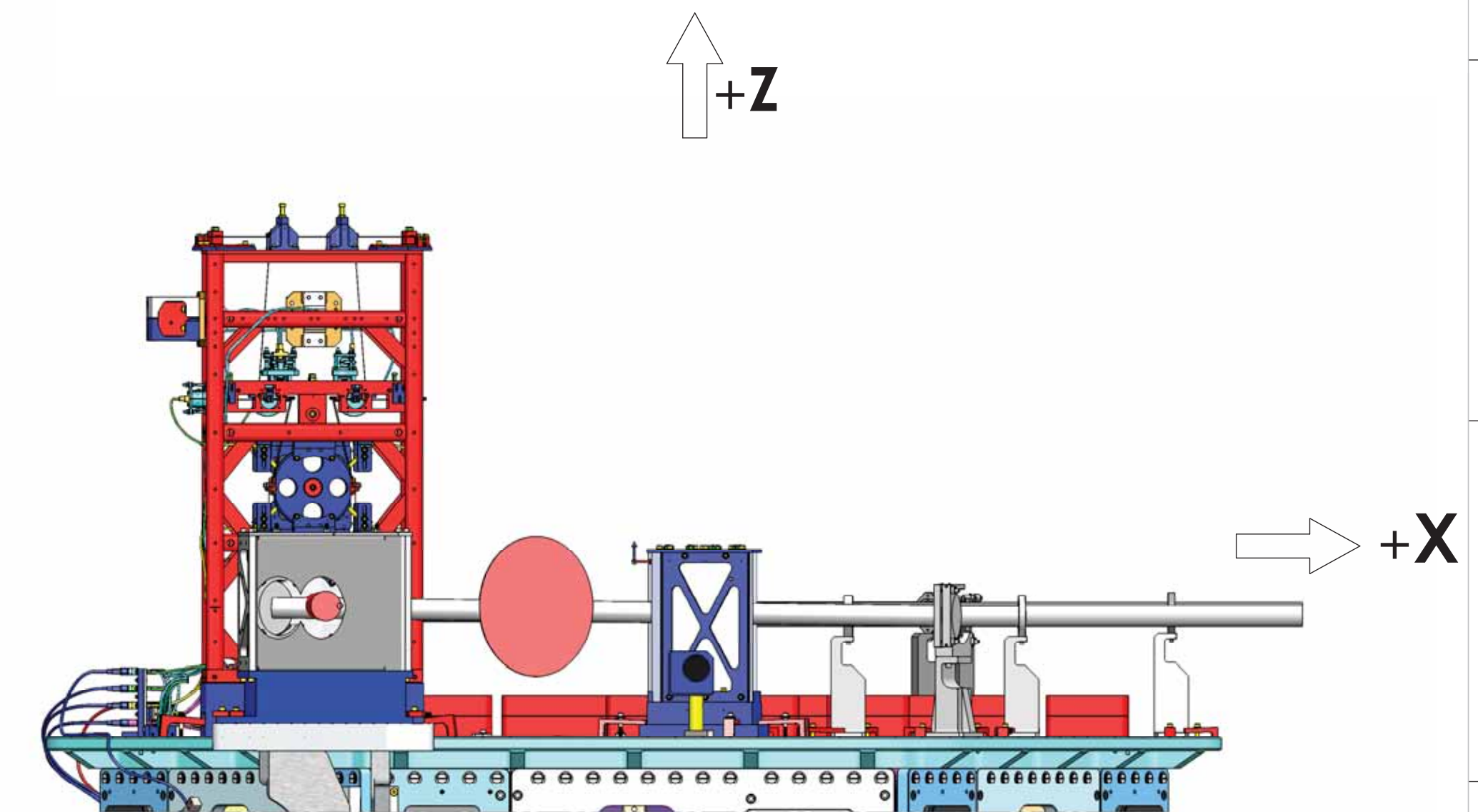
RIGHT SIDE VIEW  
(ROTATED 90 DEGREES CW)



TOP VIEW



LEFT SIDE VIEW  
(ROTATED 90 DEGREES CCW)



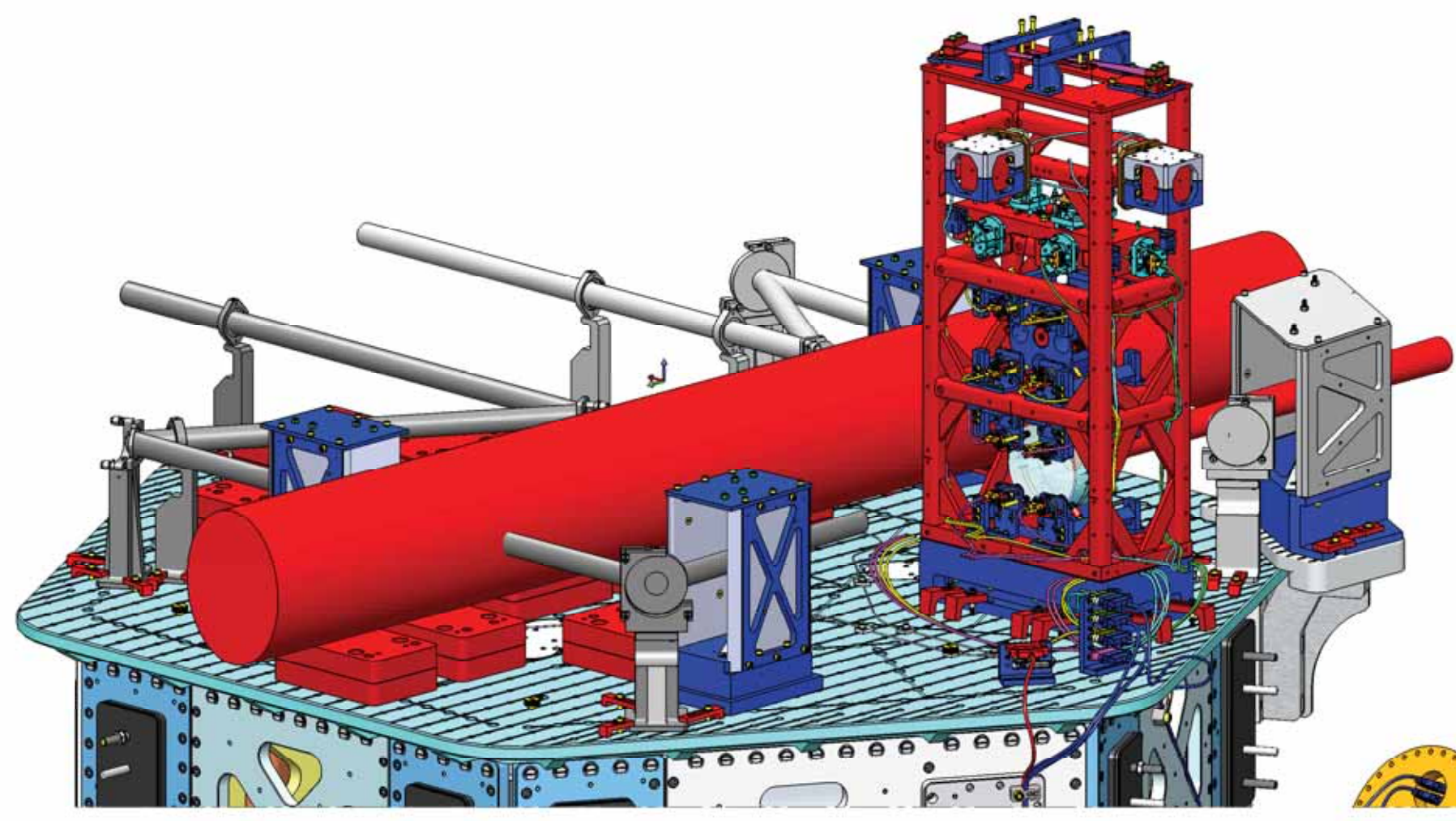
FRONT VIEW



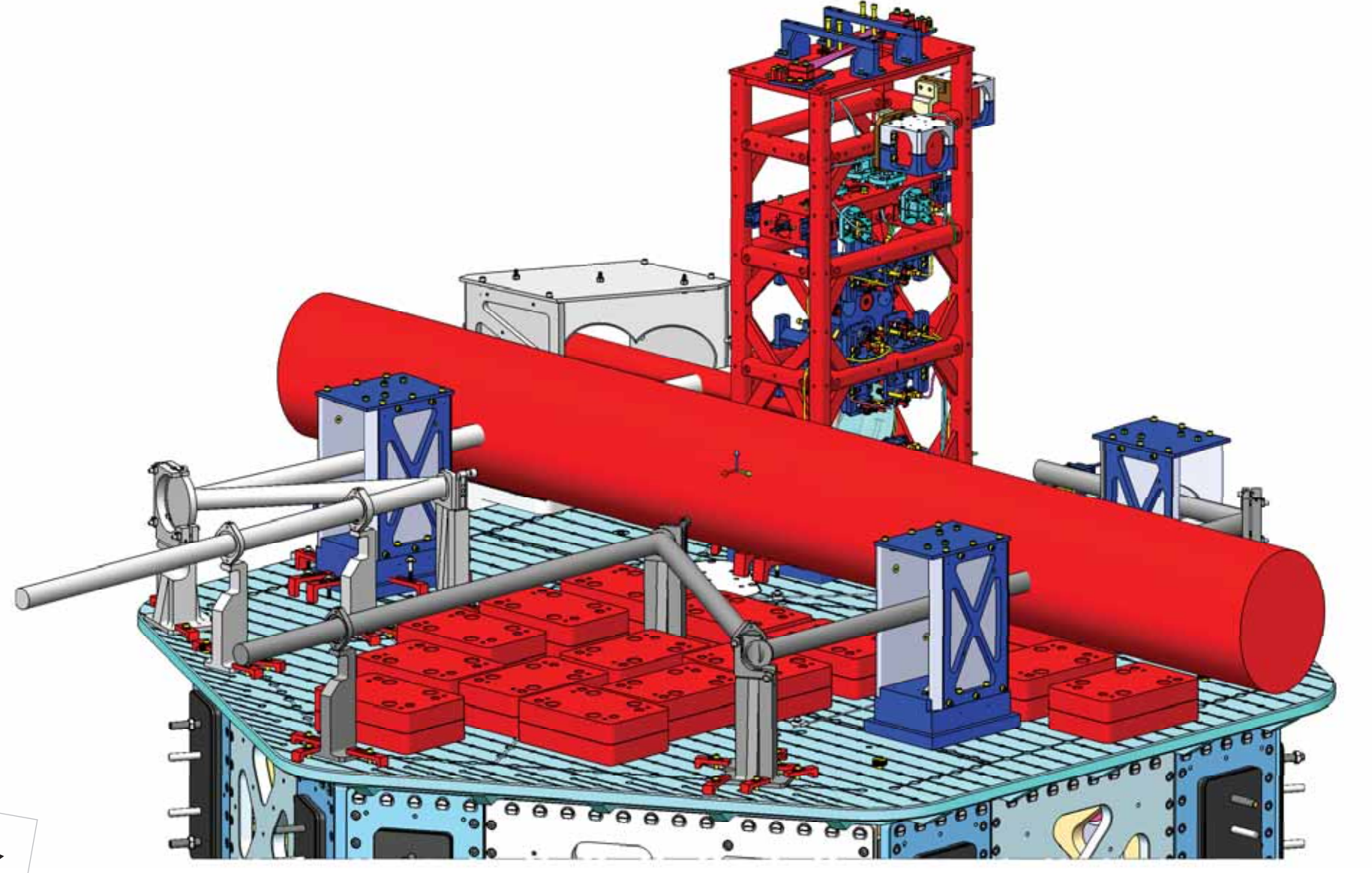
# LASER BEAMS - ORTHO VIEWS

CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY	
SIZE DWG. NO.	REV.
D D0900421	v9
SCALE: 1:24	PROJECTION:
SHEET 3 OF 4	

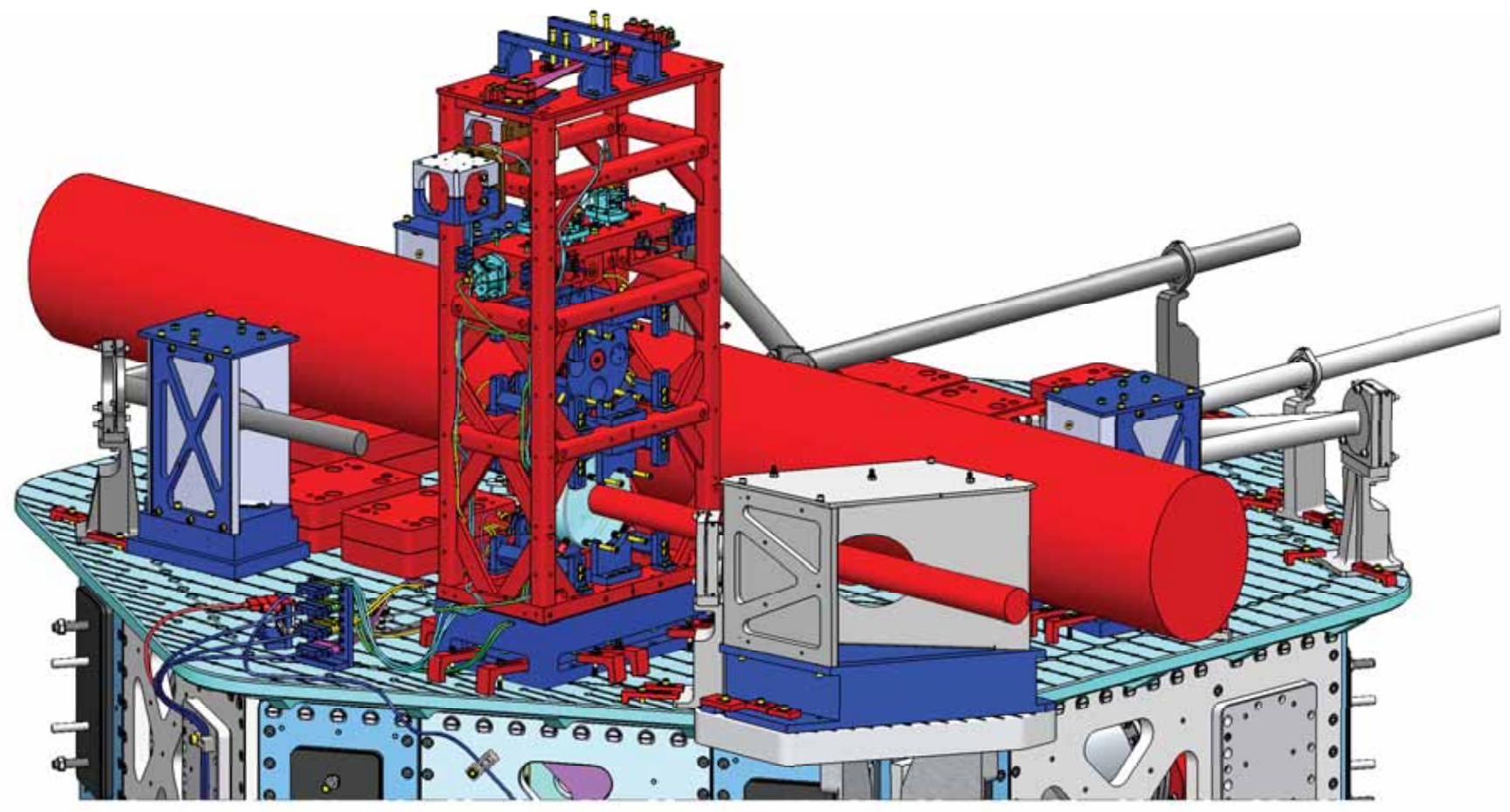
D0900421 ASD/LGO SYSTEMS, HAMM-LI TOP LEVEL CHAMBER ASSEMBLY, ALL PART PDM REV. X-077, DRAWING PDM REV. X-017



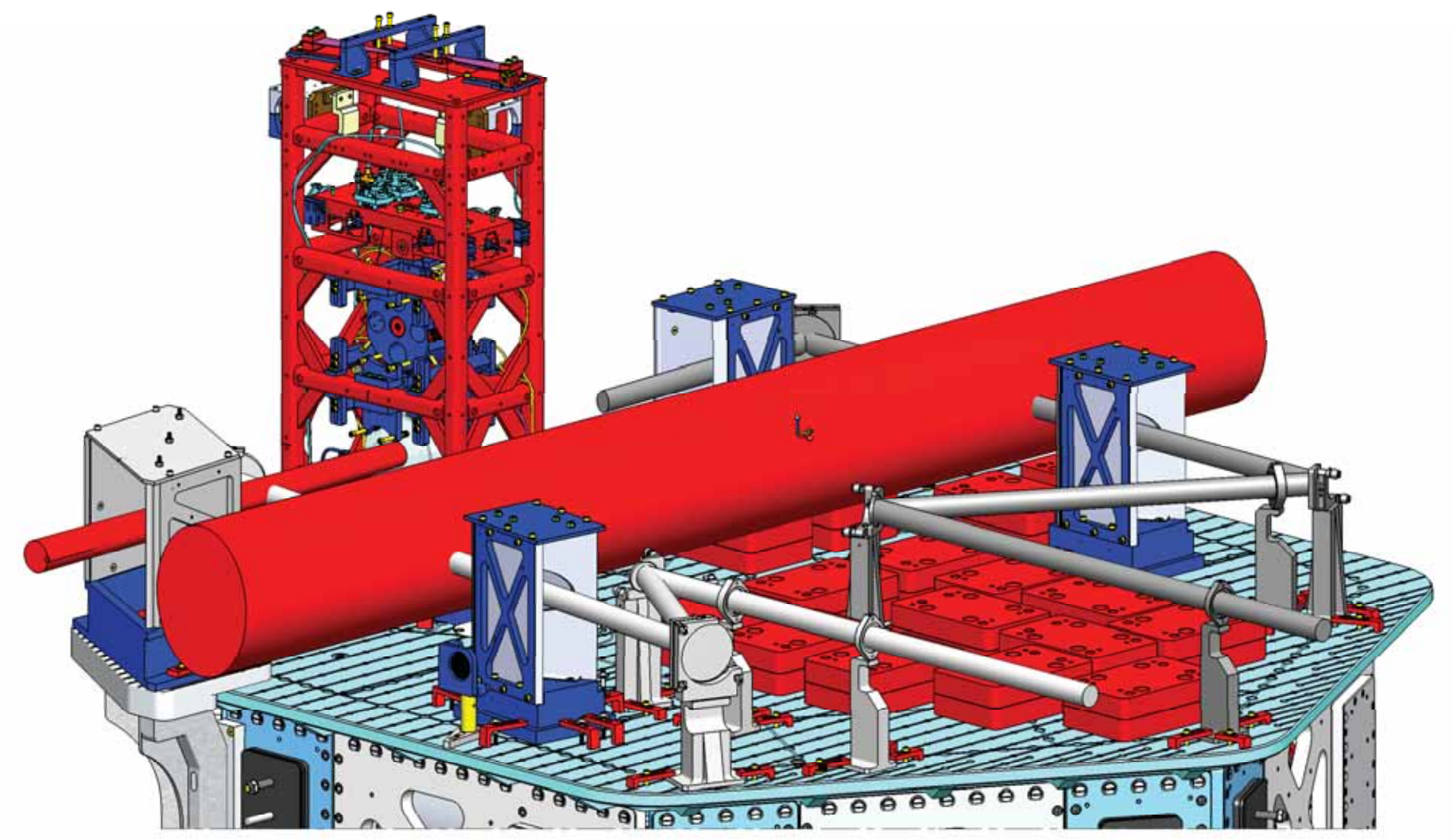
ISO REAR - LEFT



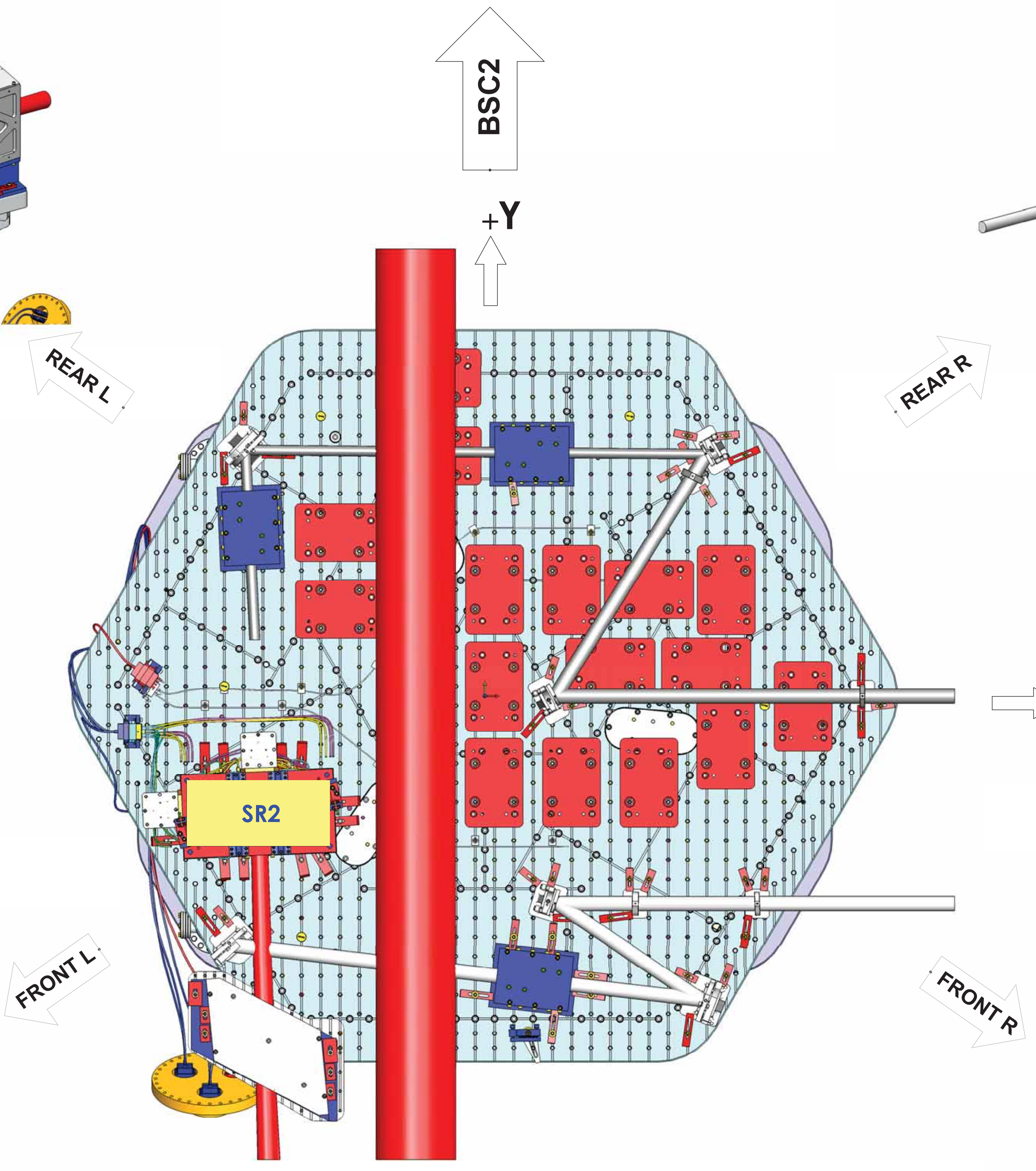
ISO REAR - RIGHT



ISO FRONT - LEFT



ISO FRONT - RIGHT



TOP VIEW

# LASER BEAMS - ISO VIEWS

CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		REV.
SIZE	DWG. NO.	v9
D	D0900421	
SCALE: 1:24	PROJECTION:	SHEET 4 OF 4

D0900421 ASD/LIGO SYSTEMS, HAMMILL TOP LEVEL CHAMBER ASSEMBLY, ALL PART PDM REV. X-077, DRAWING PDM REV. X-017