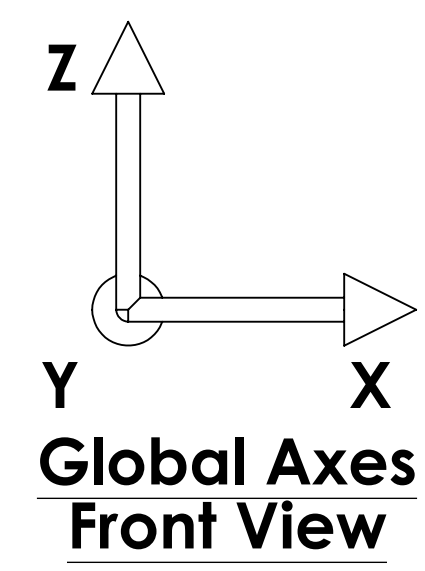
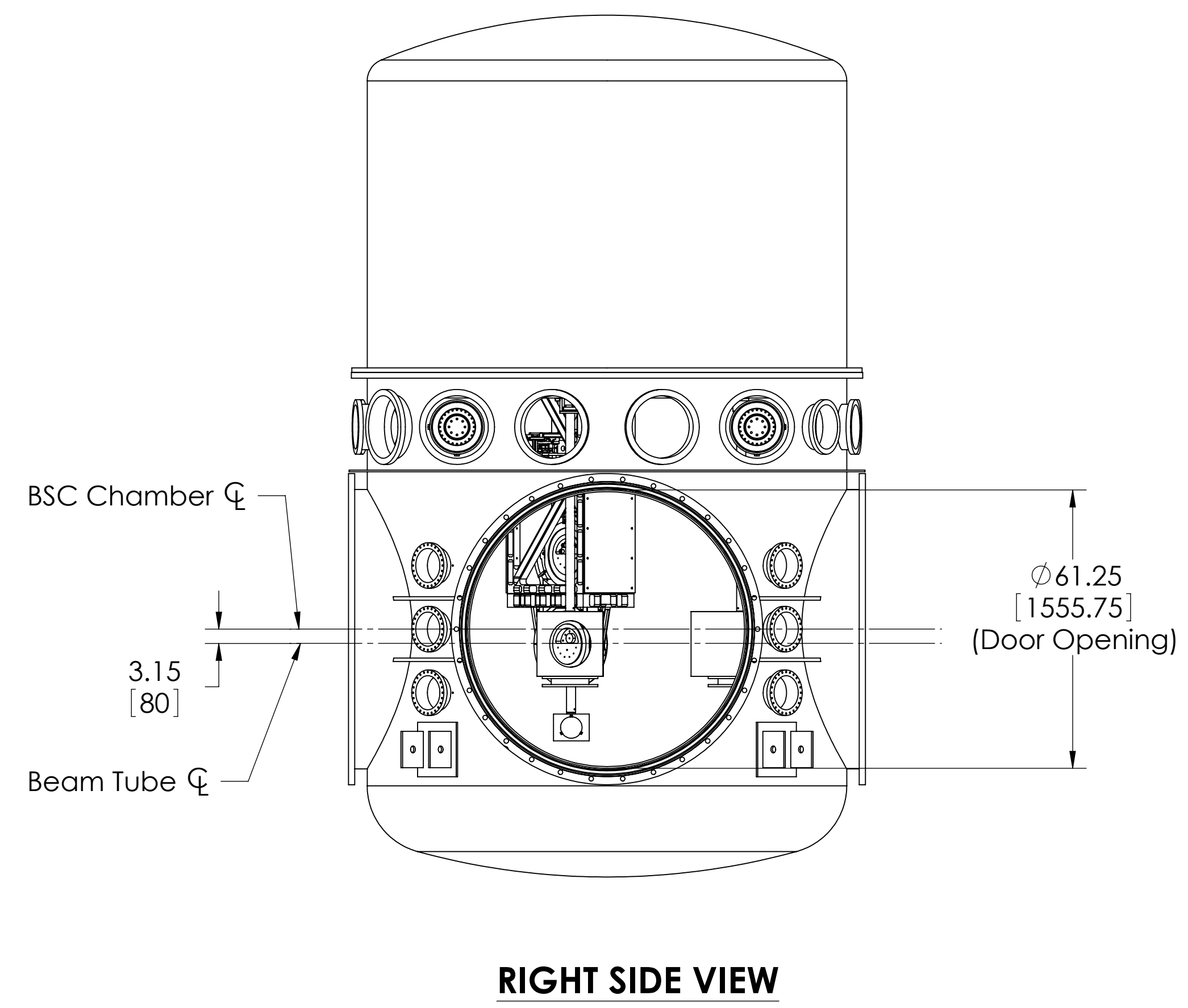
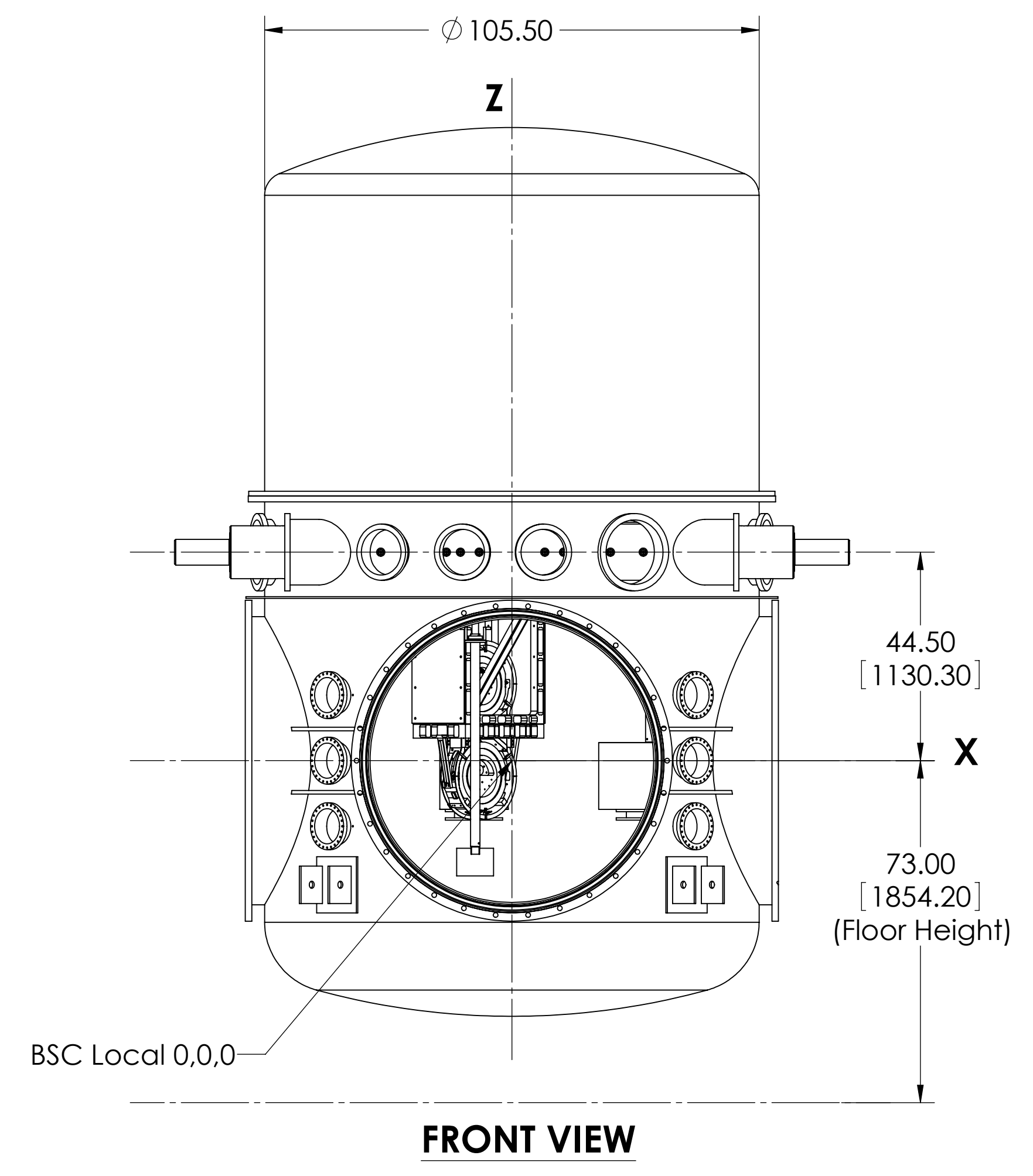
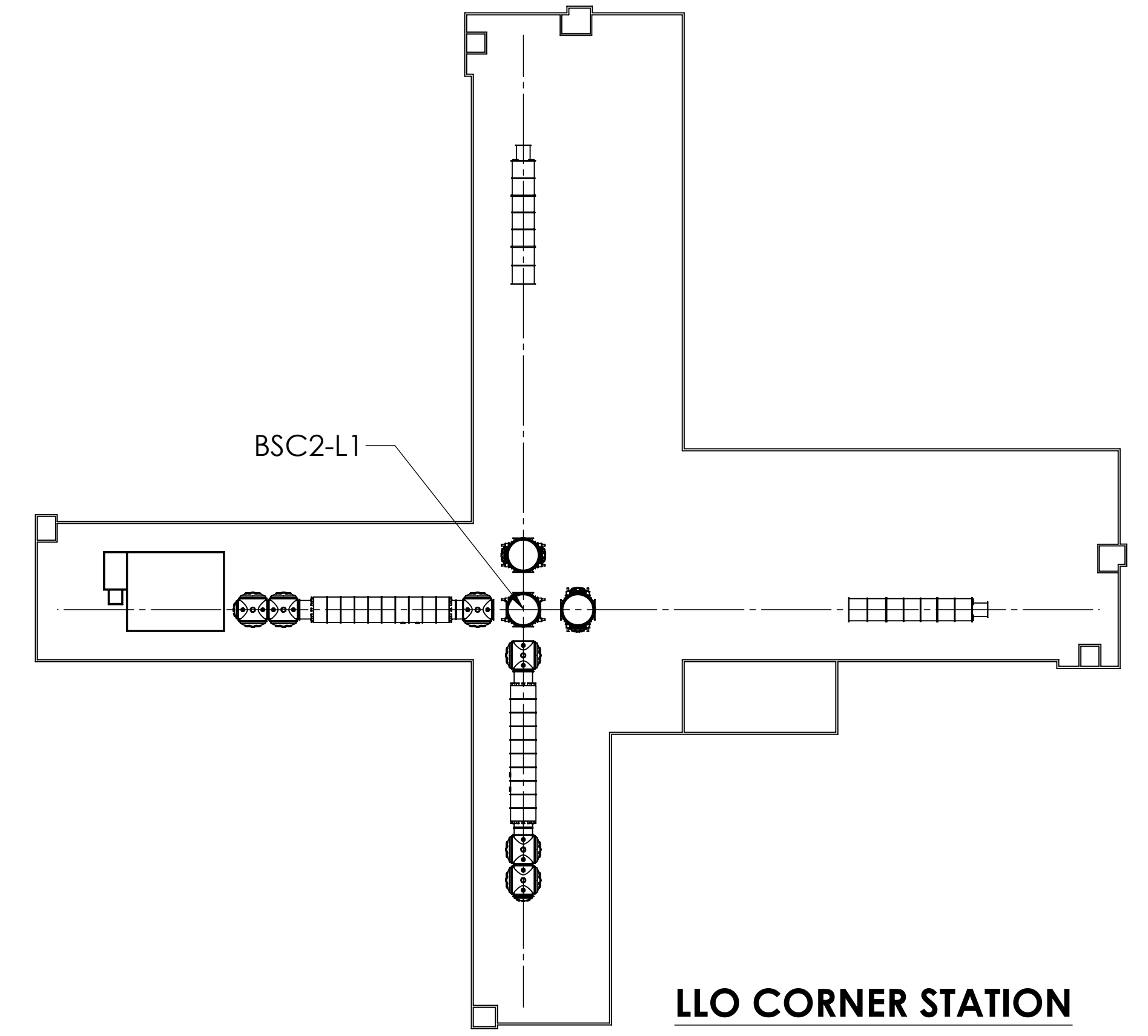
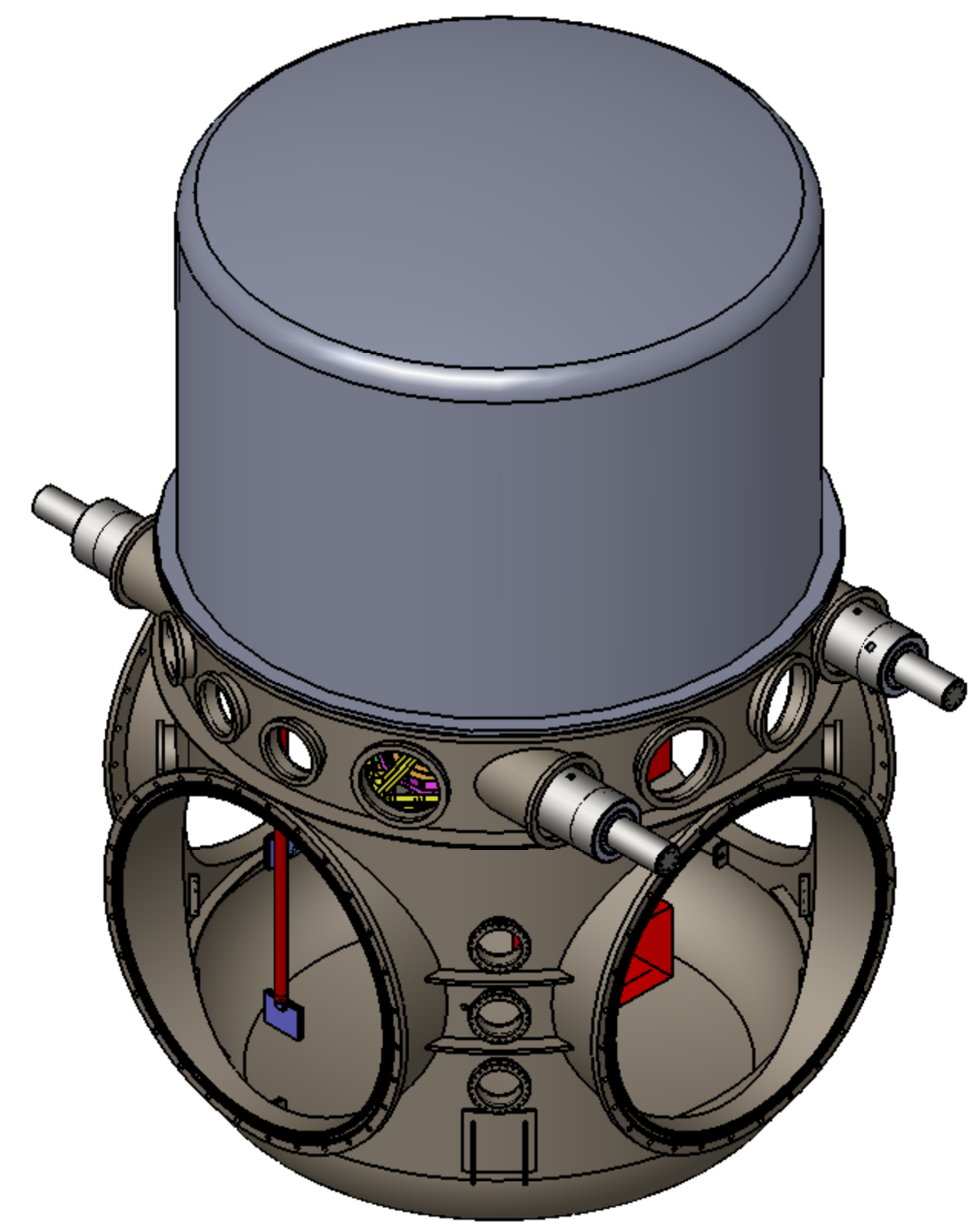
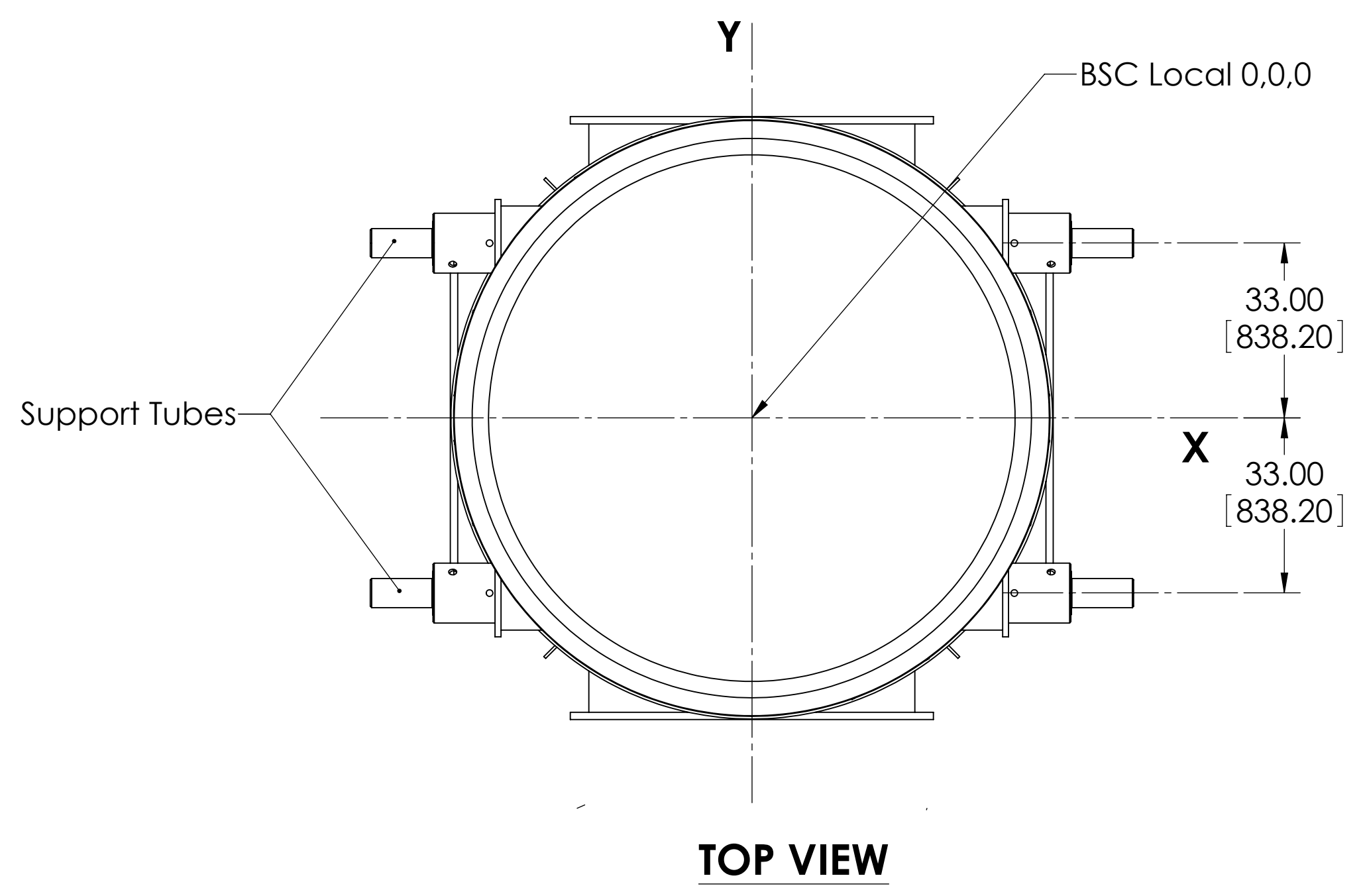


REV.	DATE	DCN #	DRAWING TREE #
-	-	-	-
-	-	-	-
-	-	-	-



<b>BSC2-L1</b>	
GLOBAL COORDINATES (mm)	
X	0.0
Y	0.0
Z	0.0

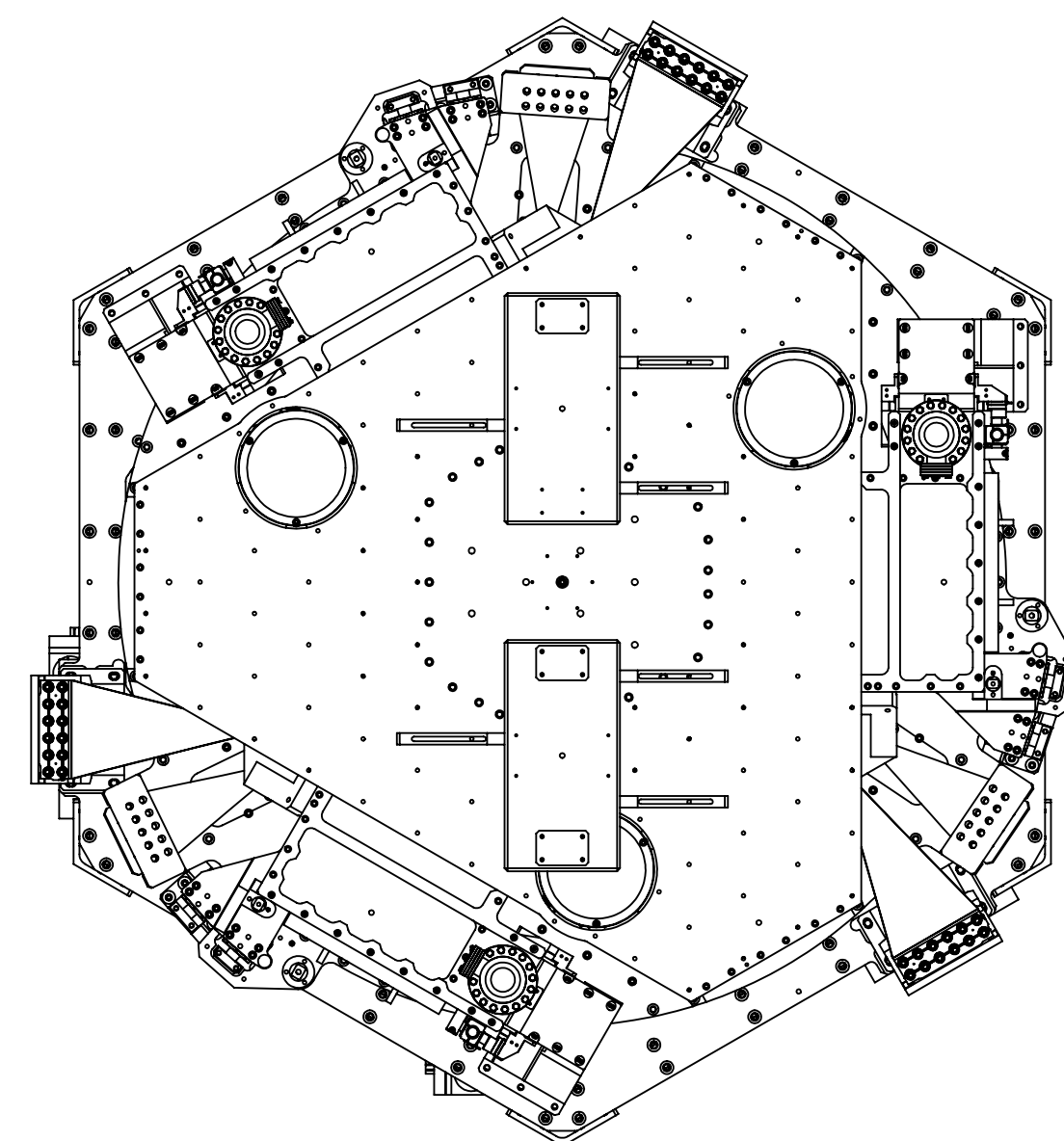
NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)	
DIMENSIONS ARE IN INCHES	
TOLERANCES: .XX ± 0.01 .XXX ± 0.005	
ANGULAR ± 0.5°	
MATERIAL	FINISH
--	-- μinch

<b>LIGO</b> CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY	PART NAME
SYSTEM: ADVANCED LIGO	BSC2-L1 Top Level Chamber Assembly, Fully Defined
SUB-SYSTEM: SUS	DESIGNER
NEXT ASSY	DRAFTER: ED CHAVEZ
	CHECKER
	APPROVAL

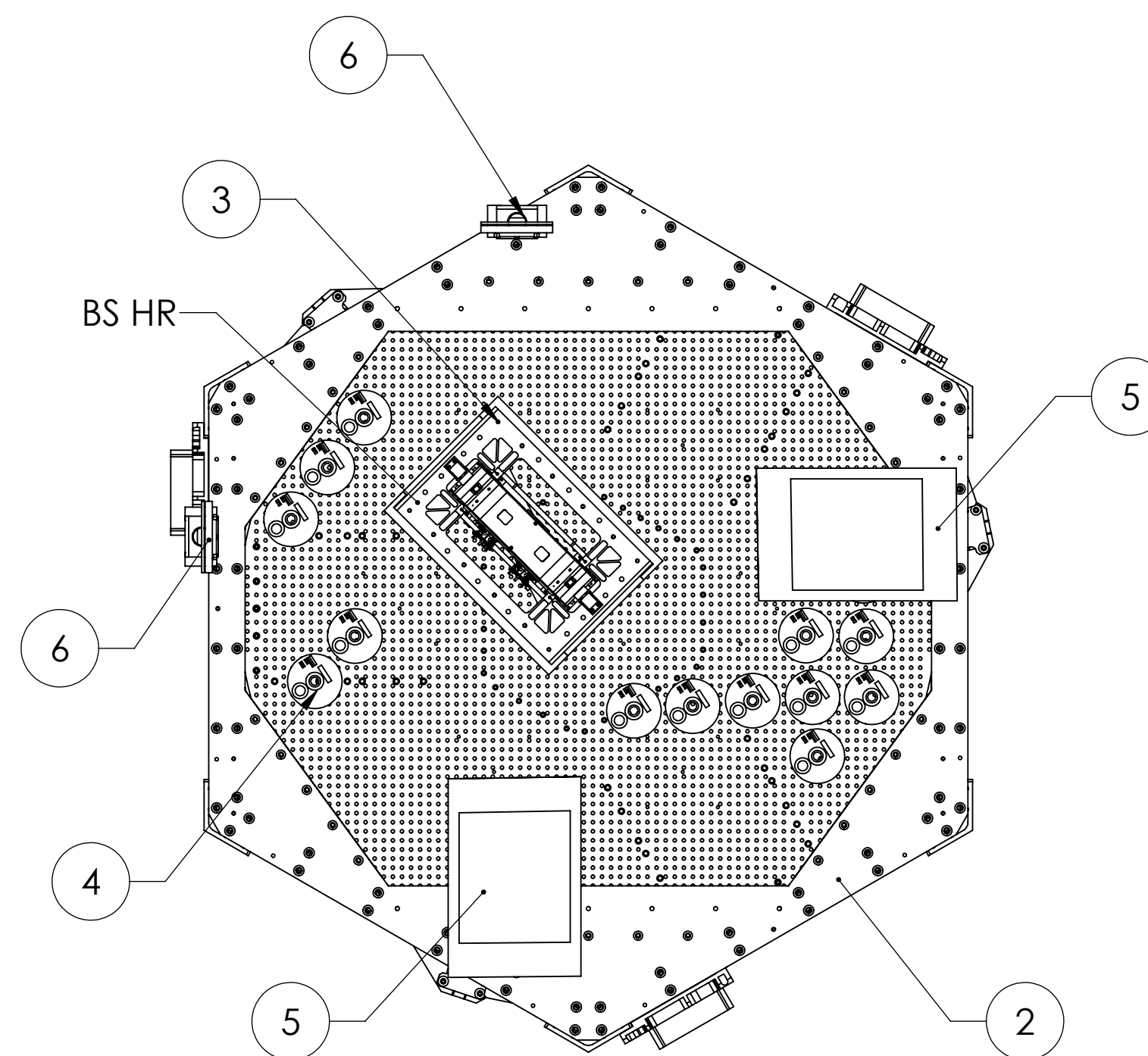
SIZE	DWG. NO.	REV.
D	D0900428	v3
SCALE: 1:32	PROJECTION:	SHEET 1 OF 5

D0900428 BSC2-L1 Top Level Chamber Assembly, Complicated-1 PART PDM REV: X-026 DRAWING PDM REV: X-000

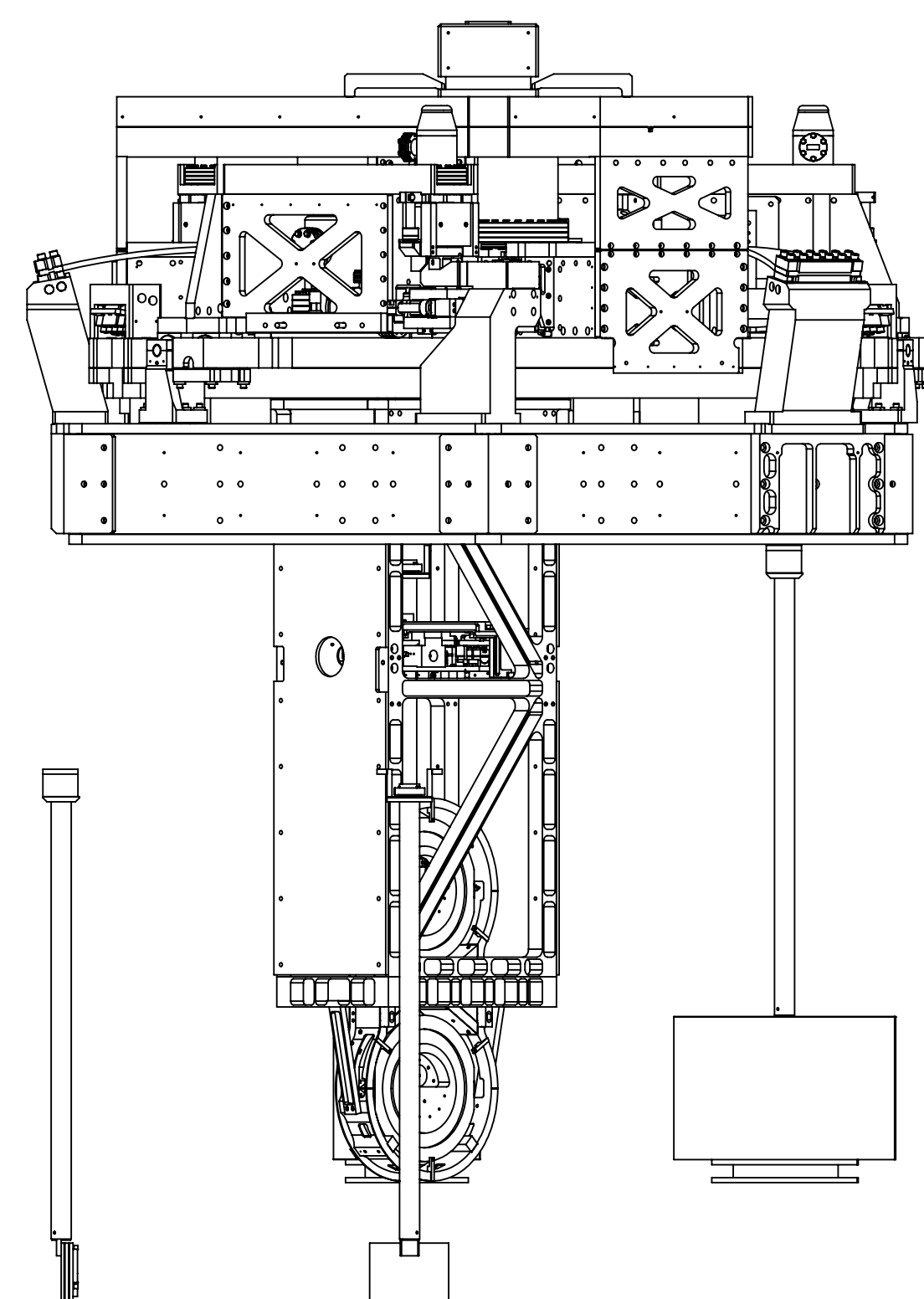
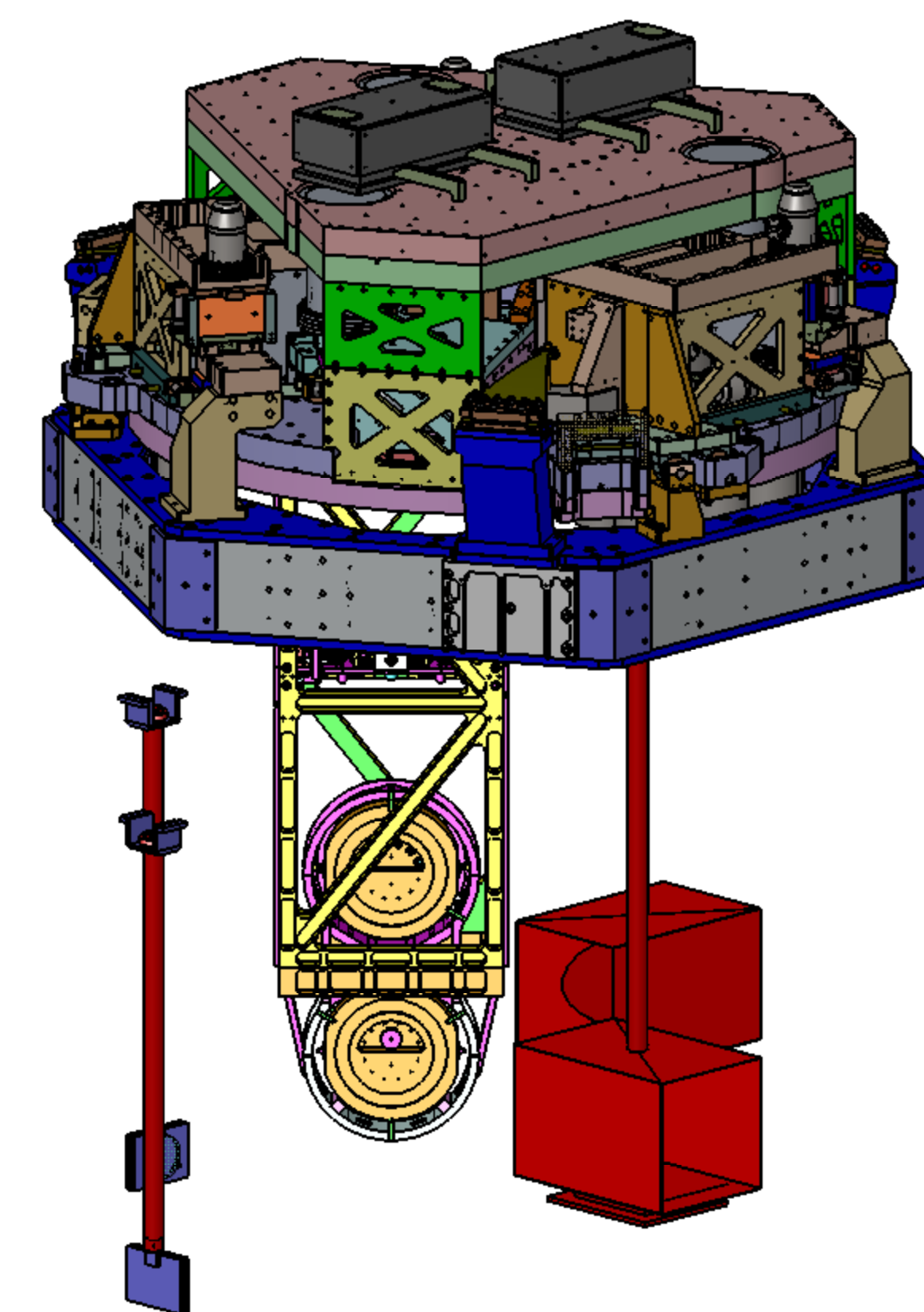
REV.	DATE	DCN #	DRAWING TREE #
-	-	-	-
-	-	-	-
-	-	-	-



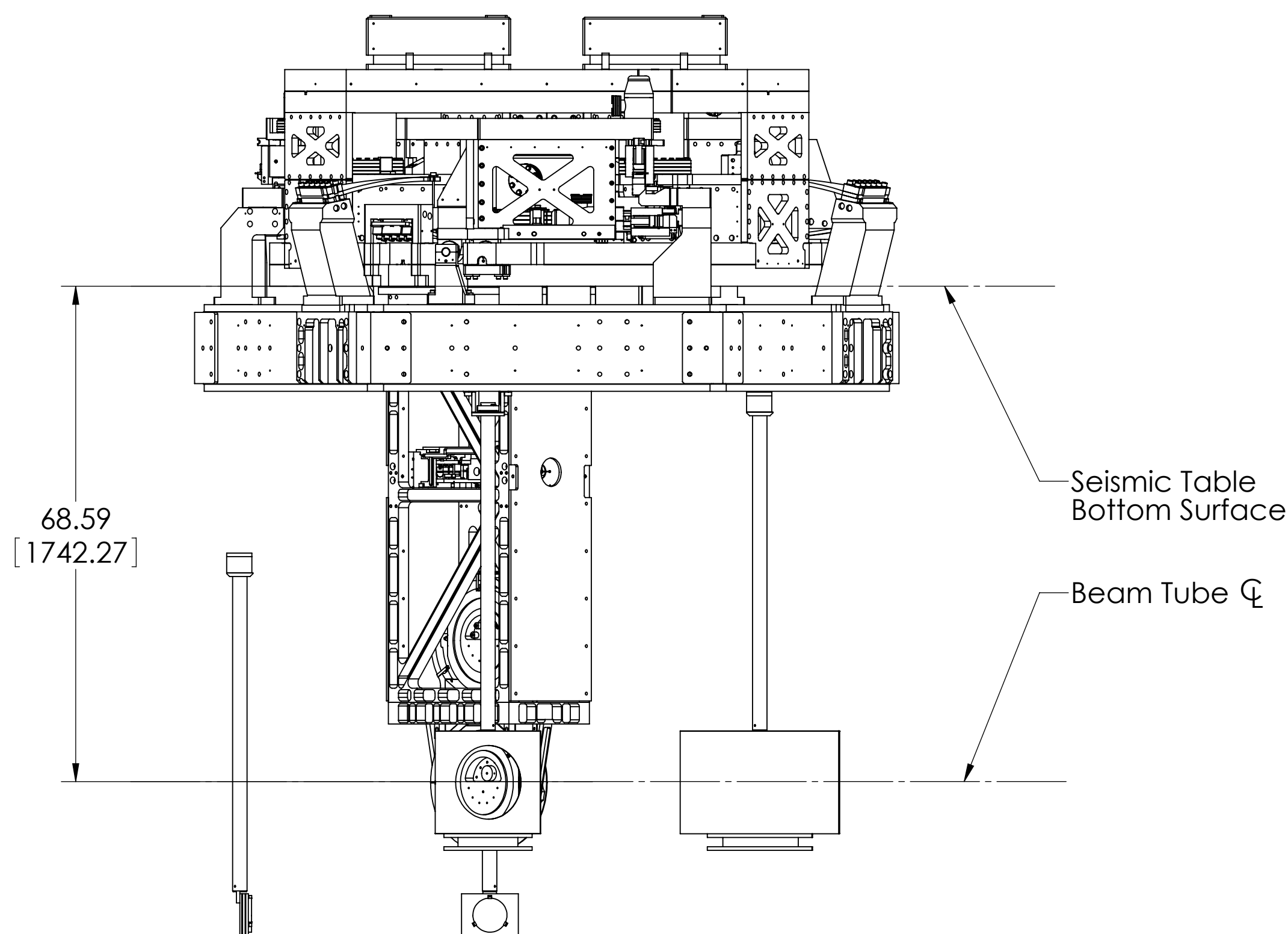
TOP VIEW



BOTTOM VIEW



FRONT VIEW



RIGHT SIDE VIEW

BSC2-L1 GLOBAL COORDINATES (mm)	
X	0.0
Y	0.0
Z	0.0

DIMENSIONS ARE IN INCHES

TOLERANCES:  
.XX ± 0.01  
.XXX ± 0.005

ANGULAR ± 0.5°

MATERIAL	--	FINISH	--	μinch
----------	----	--------	----	-------

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

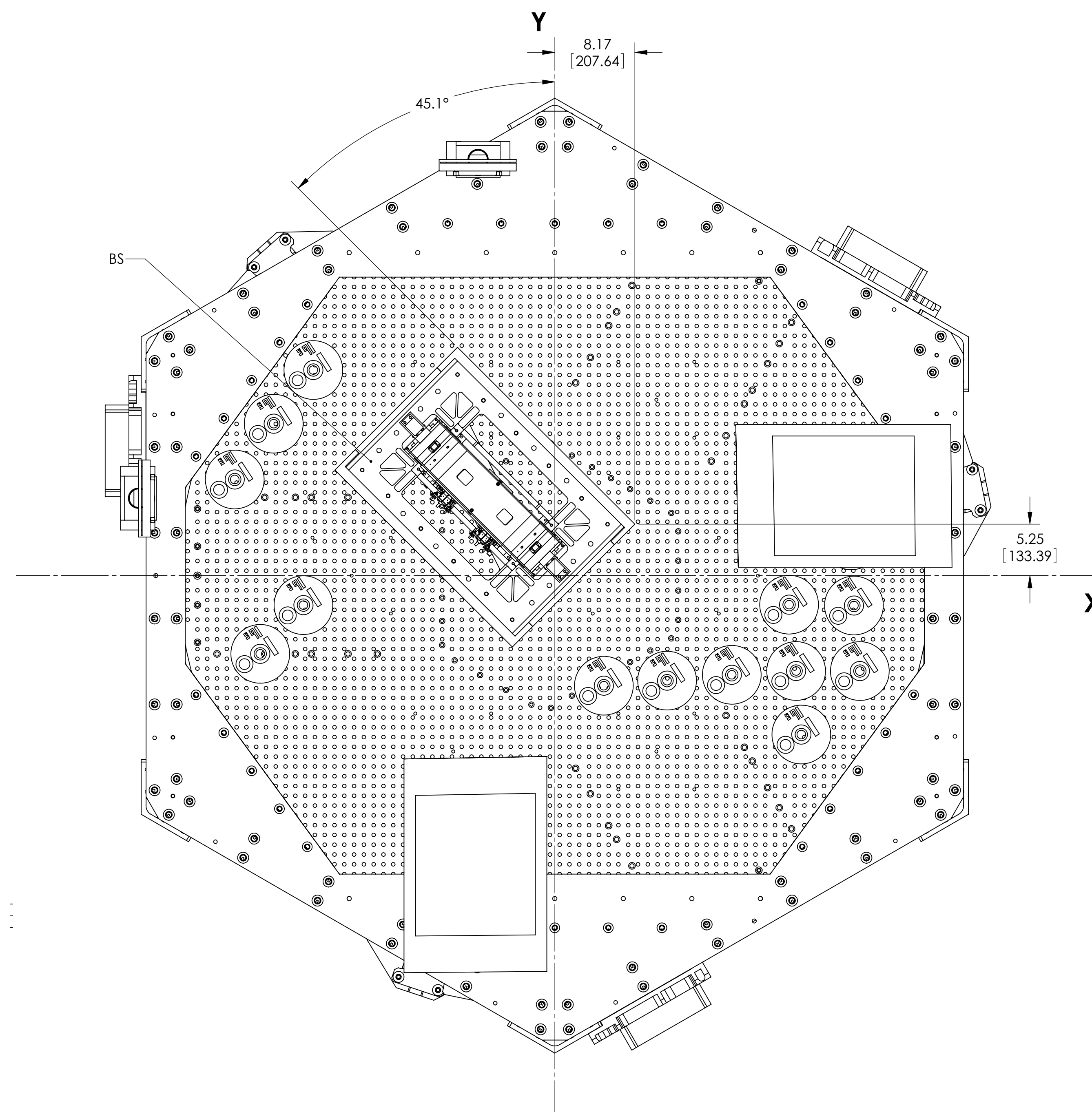
SYSTEM: ADVANCED LIGO SUB-SYSTEM: SUS

NEXT ASSY

ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	Full/QTY.
6	D090XXXX	AdvLIGO SUS, BSC2-H1 Local CS for CO2 ITM Steering Mirror	N/A	1
5	D0900525	AdvLIGO SUS BSC2-L1, XYZ Local CS for Elliptical Baffle (ITMX,ITMY)	N/A	1
4	D0900344	AdvLIGO Systems SEI Table Counterweight Assy	--	1
3	D0900431	AdvLIGO SUS BSC2-L1, XYZ Local CS for BS HR	--	1
2	D0900430	AdvLIGO SEI BSC2-L1, XYZ Local CS for ISI Table	--	1
NOT SHOWN	D0900429	AdvLIGO VE BSC2-L1, Vacuum Equipment Assembly	--	1

PART NAME				
DESIGNER	ED CHAVEZ	30 NOV 2009	SIZE DWG. NO.	REV.
DRAFTER			D	D0900428
CHECKER				v3
APPROVAL			SCALE: 1:32	PROJECTION:

REV.	DATE	DCN #	DRAWING TREE #



**BOTTOM VIEW**

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)	
DIMENSIONS ARE IN	
TOLERANCES:	
.XX ±	
.XXX ±	
ANGULAR ± °	
MATERIAL	--
FINISH	-- μinch

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

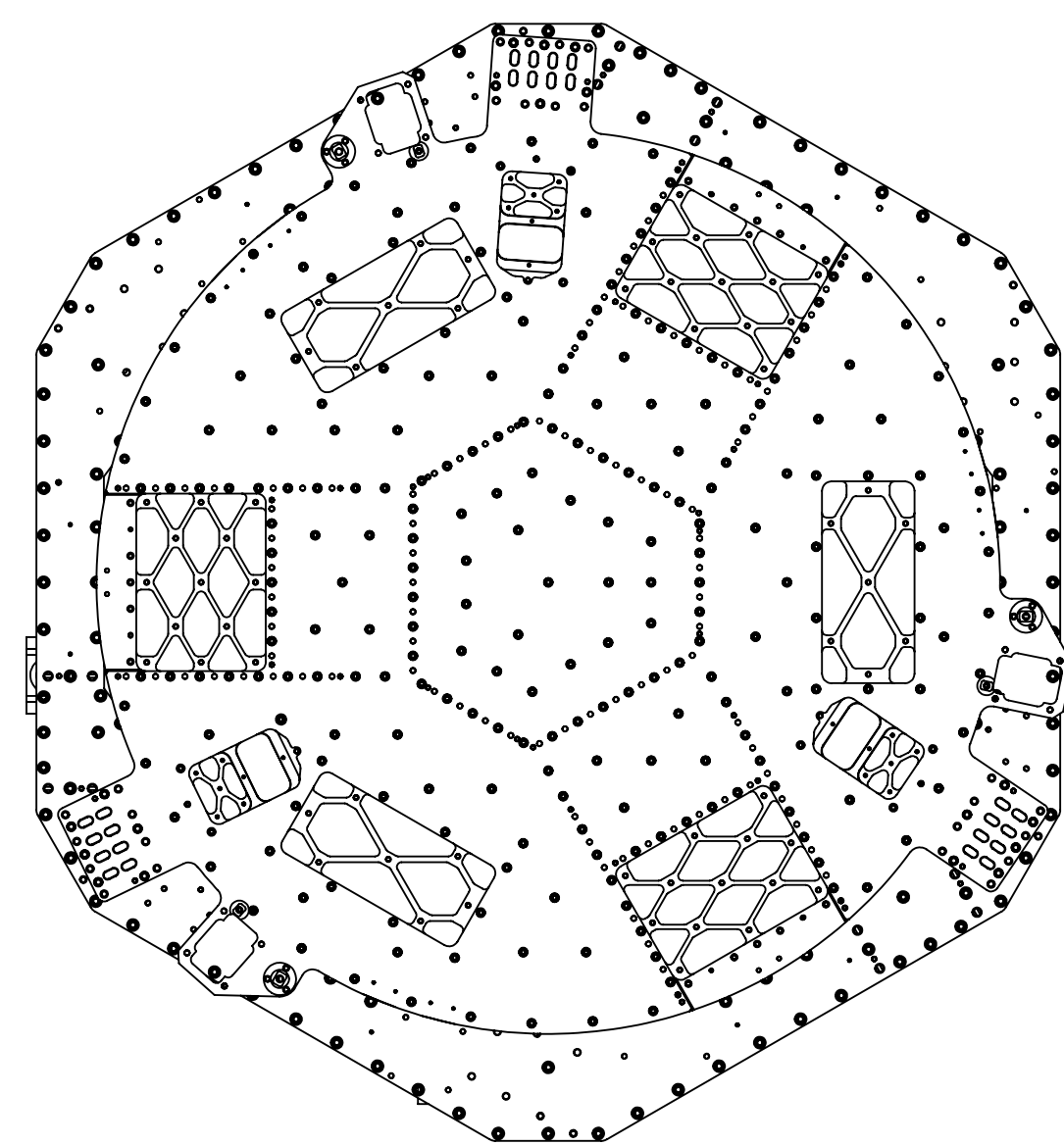
SYSTEM: **ADVANCED LIGO**      SUB-SYSTEM: **SUS**

NEXT ASSY

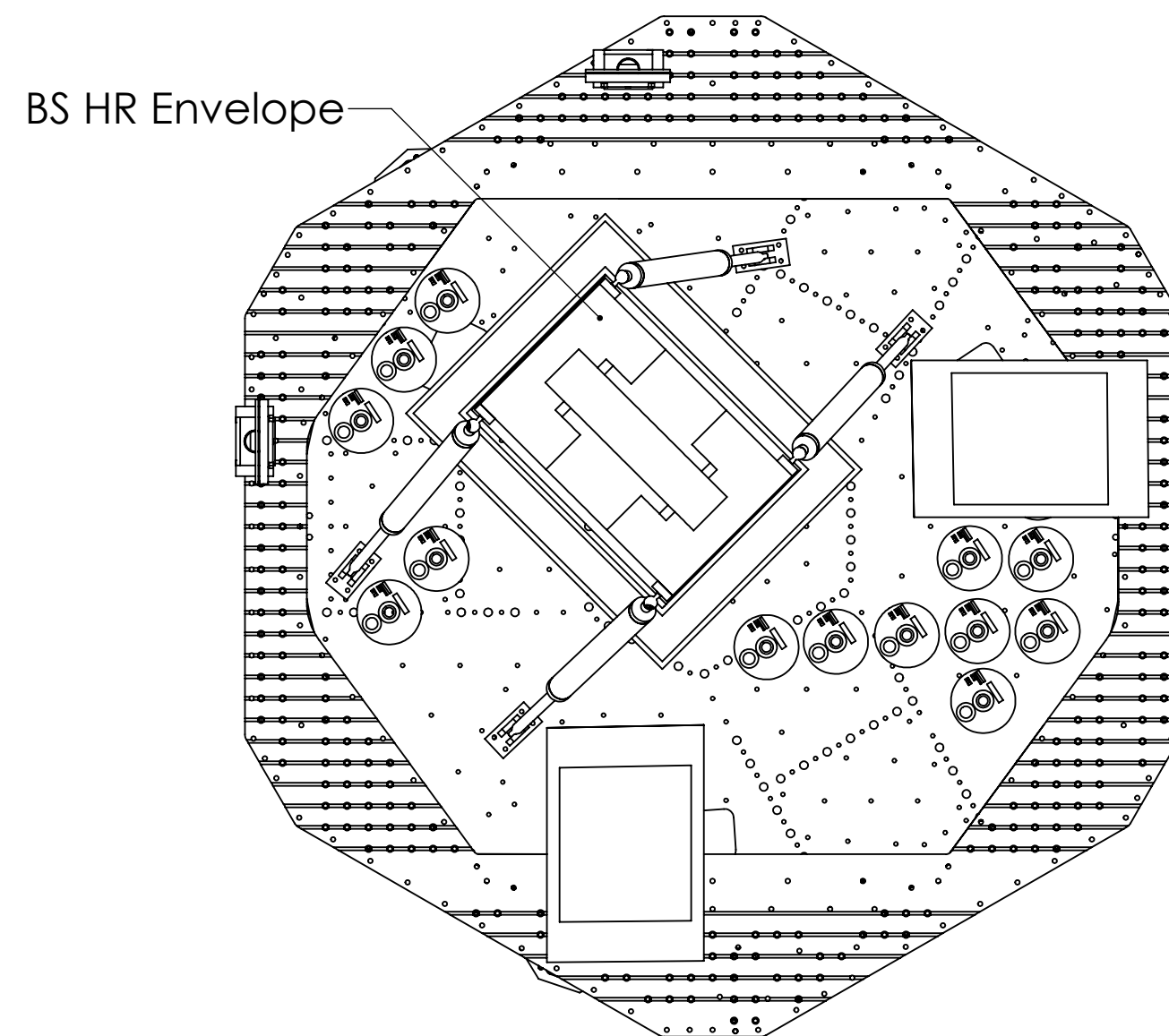
PART NAME			
BSC2-L1 Top Level Chamber Assembly, Fully Defined			
DESIGNER	ED CHAVEZ	SIZE	D
DRAFTER	30 NOV 2009	DWG. NO.	<b>D0900428</b>
CHECKER		REV.	v3
APPROVAL		SCALE: 1:2	PROJECTION:
		SHEET 3 OF 5	

D0900428 BSC2-L1 Top Level Chamber Assembly, Complicated III, PART PDM REV: X-026, DRAWING PDM REV:

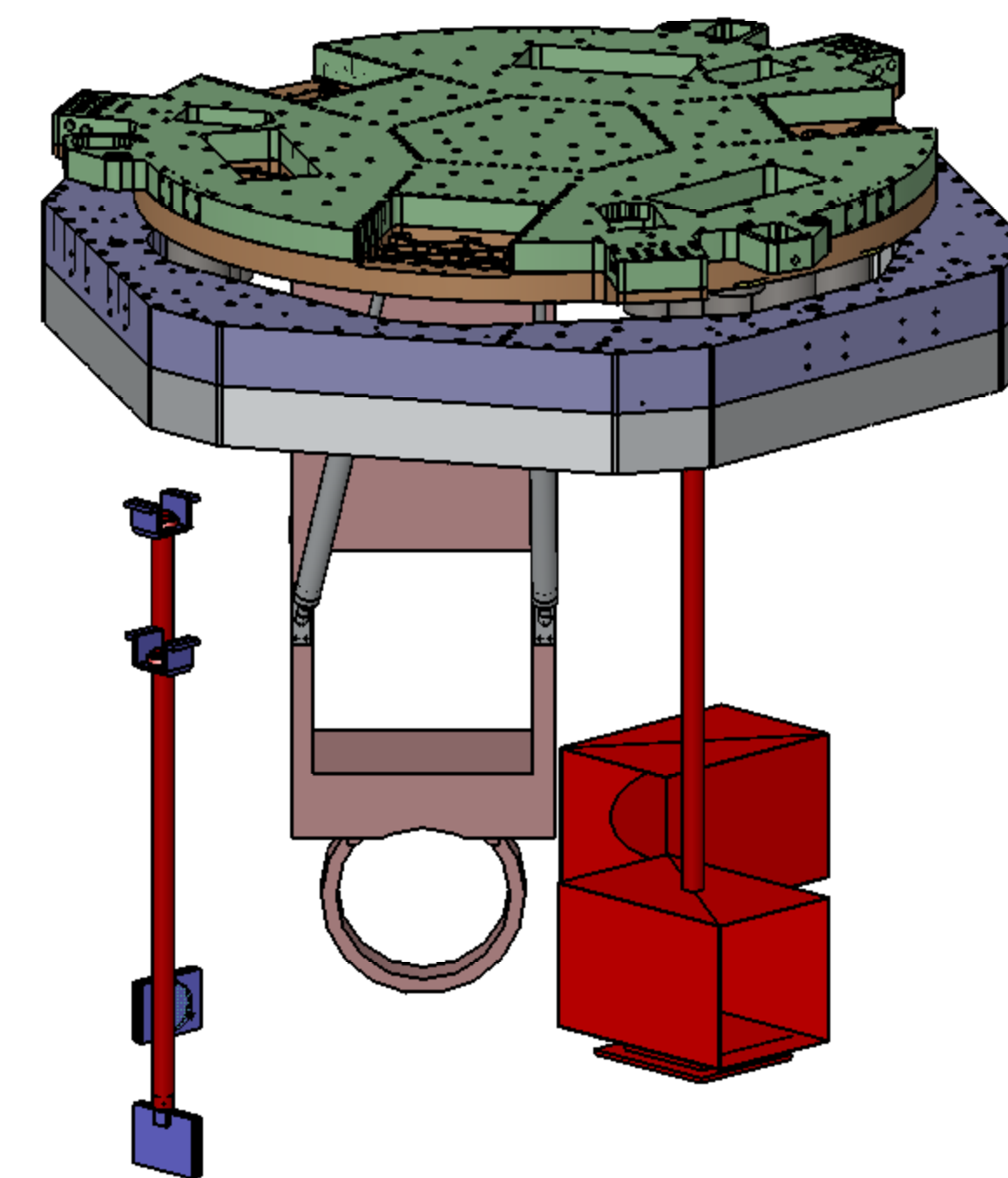
REV.	DATE	DCN #	DRAWING TREE #
-	-	-	-
-	-	-	-
-	-	-	-



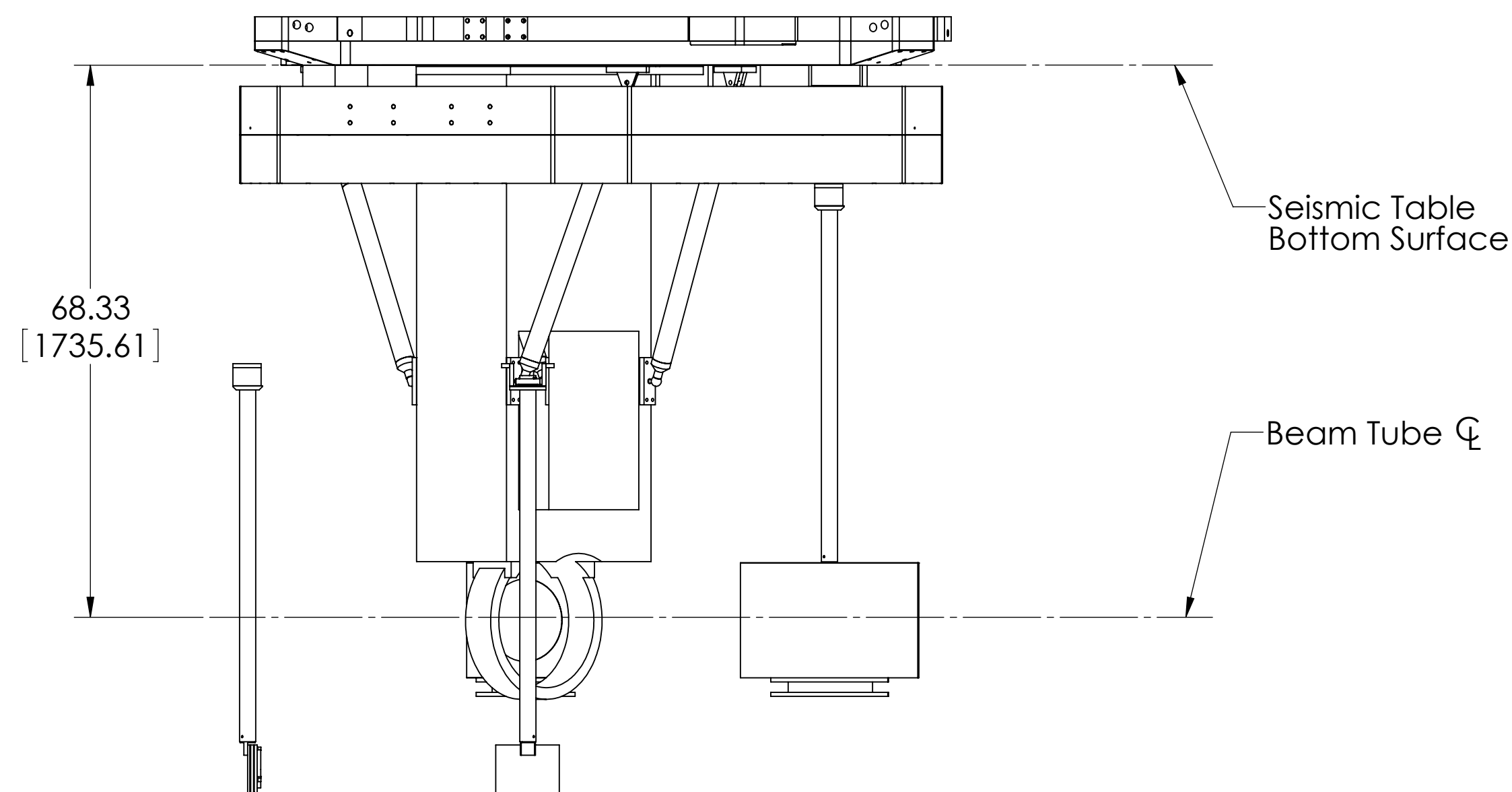
**TOP VIEW**



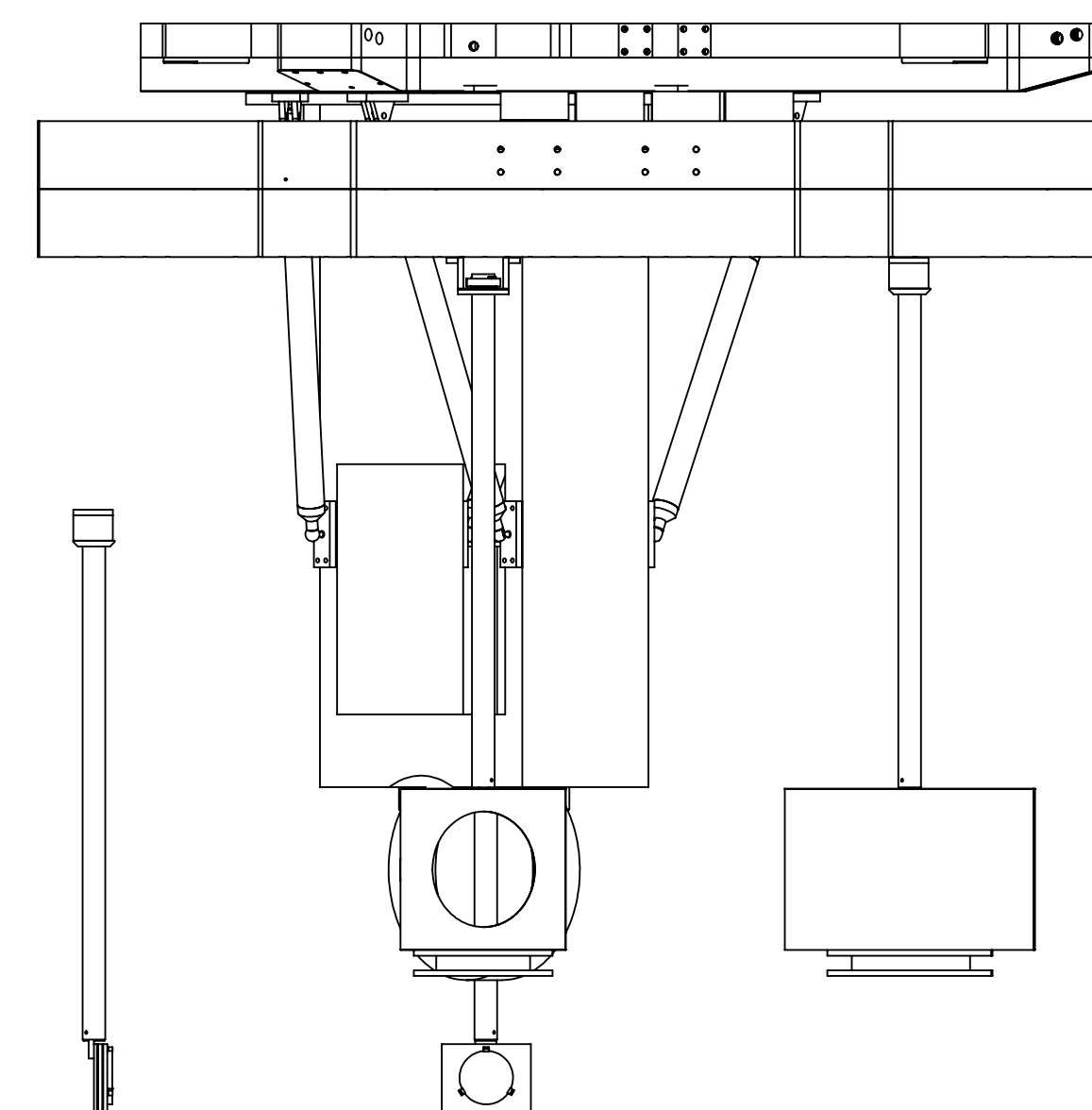
**BOTTOM VIEW**



**NO SUSPENDED MASS &  
NO CHAMBER SHOWN**



**FRONT VIEW**



**RIGHT SIDE VIEW**

<b>BSC2-L1</b>	
CofG COORDINATES (mm)	
X	15.4
Y	17.0
Z	1410.5
TABLE MASS W/NO SUS-MASS TOTAL	758.53

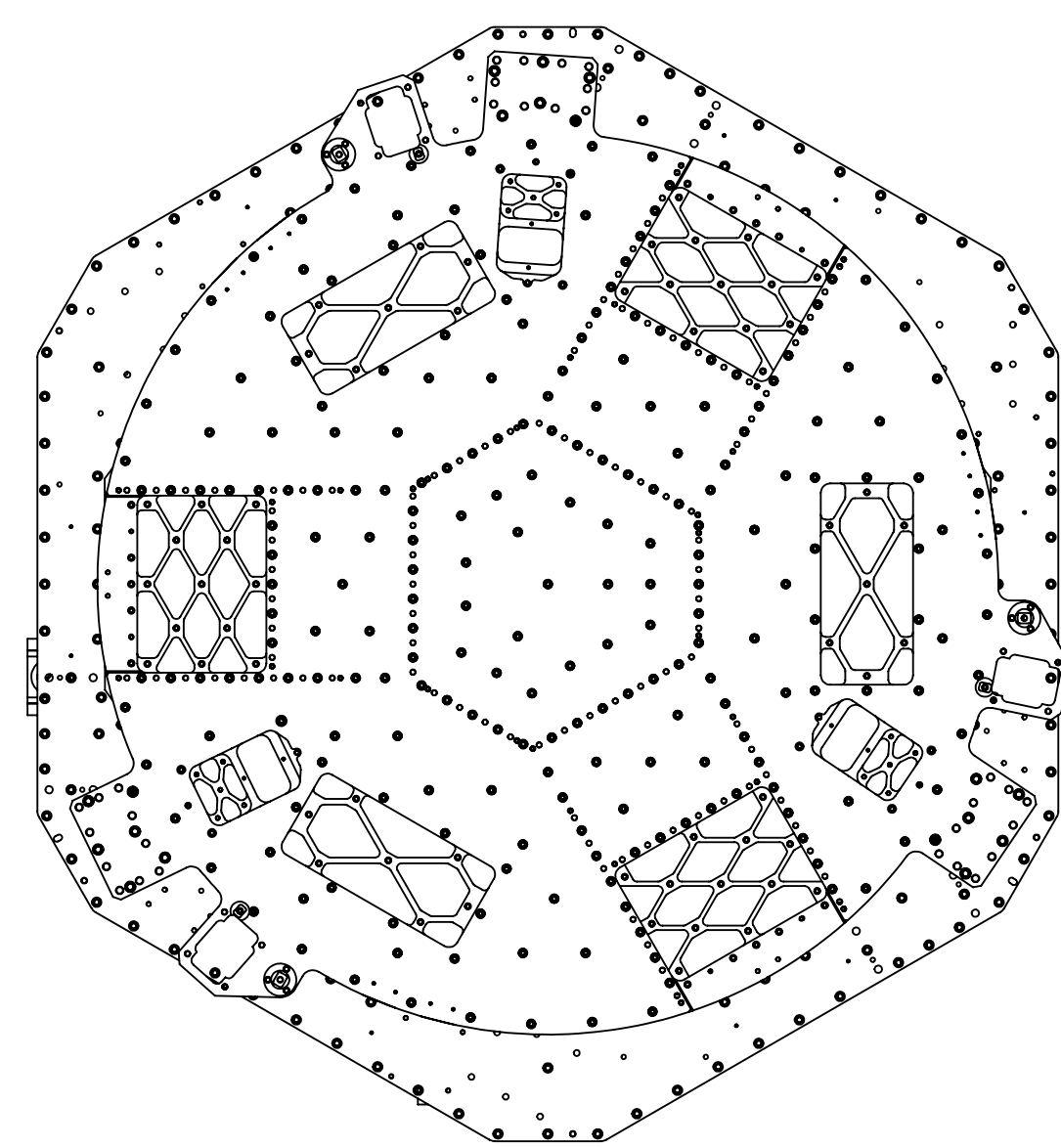
NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)	
DIMENSIONS ARE IN INCHES	
TOLERANCES: .XX ± 0.01 .XXX ± 0.005	
ANGULAR ± 0.5°	
MATERIAL	FINISH
--	-- μinch

<b>LIGO</b> CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY	
SYSTEM	SUB-SYSTEM
ADVANCED LIGO	SUS
NEXT ASSY	

PART NAME			
BSC2-L1 Top Level Chamber Assembly, Simplified			
DESIGNER	SIZE	DWG. NO.	REV.
DRAFTER	ED CHAVEZ	30 NOV 2009	D
CHECKER			D0900428
APPROVAL			v3
SCALE: 1:24		PROJECTION:	SHEET 4 OF 5

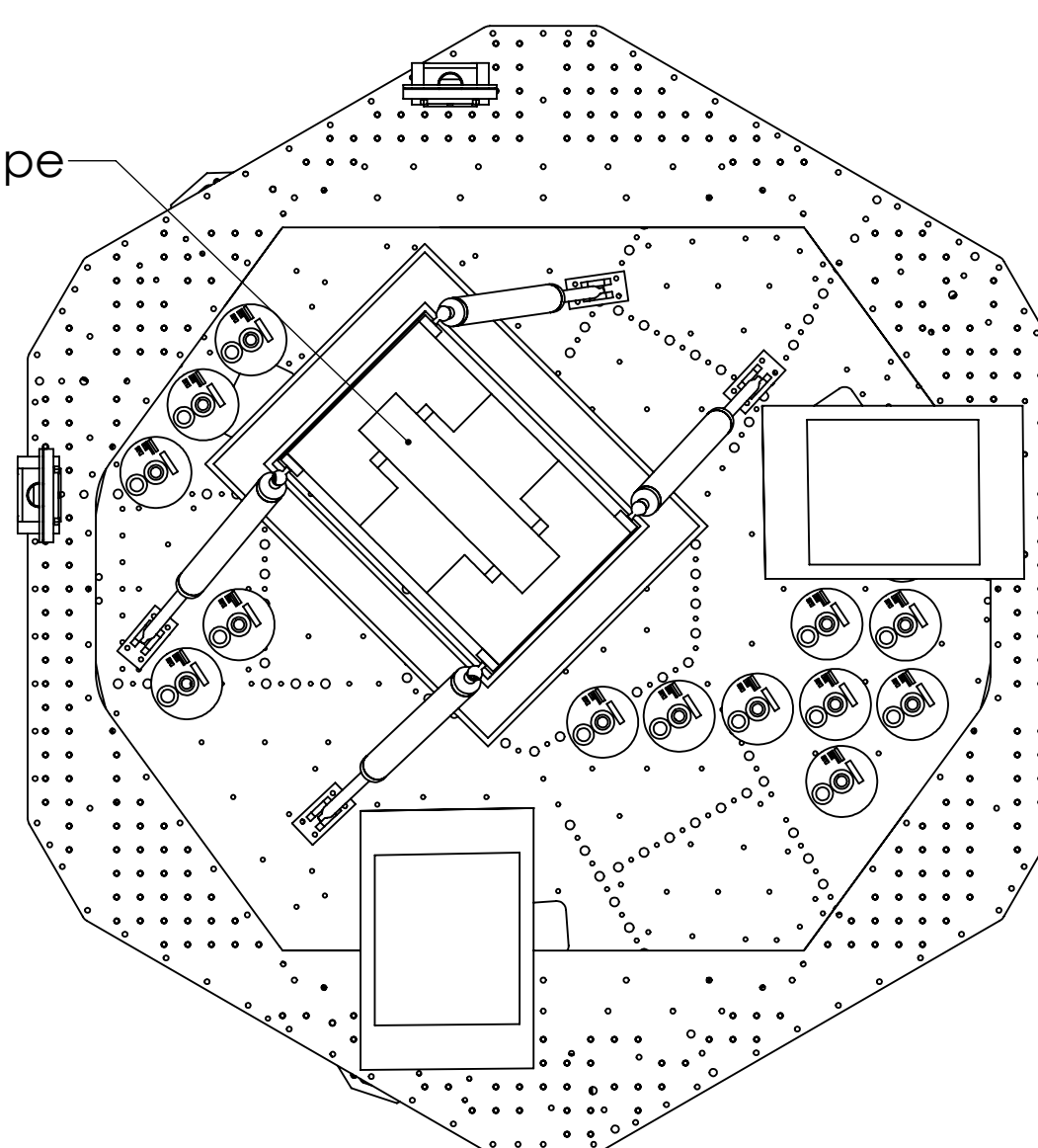
D0900428 BSC2-L1 Top Level Chamber Assembly, Simplified - PART PDM REV: X-026, DRAWING PDM REV: X-001

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

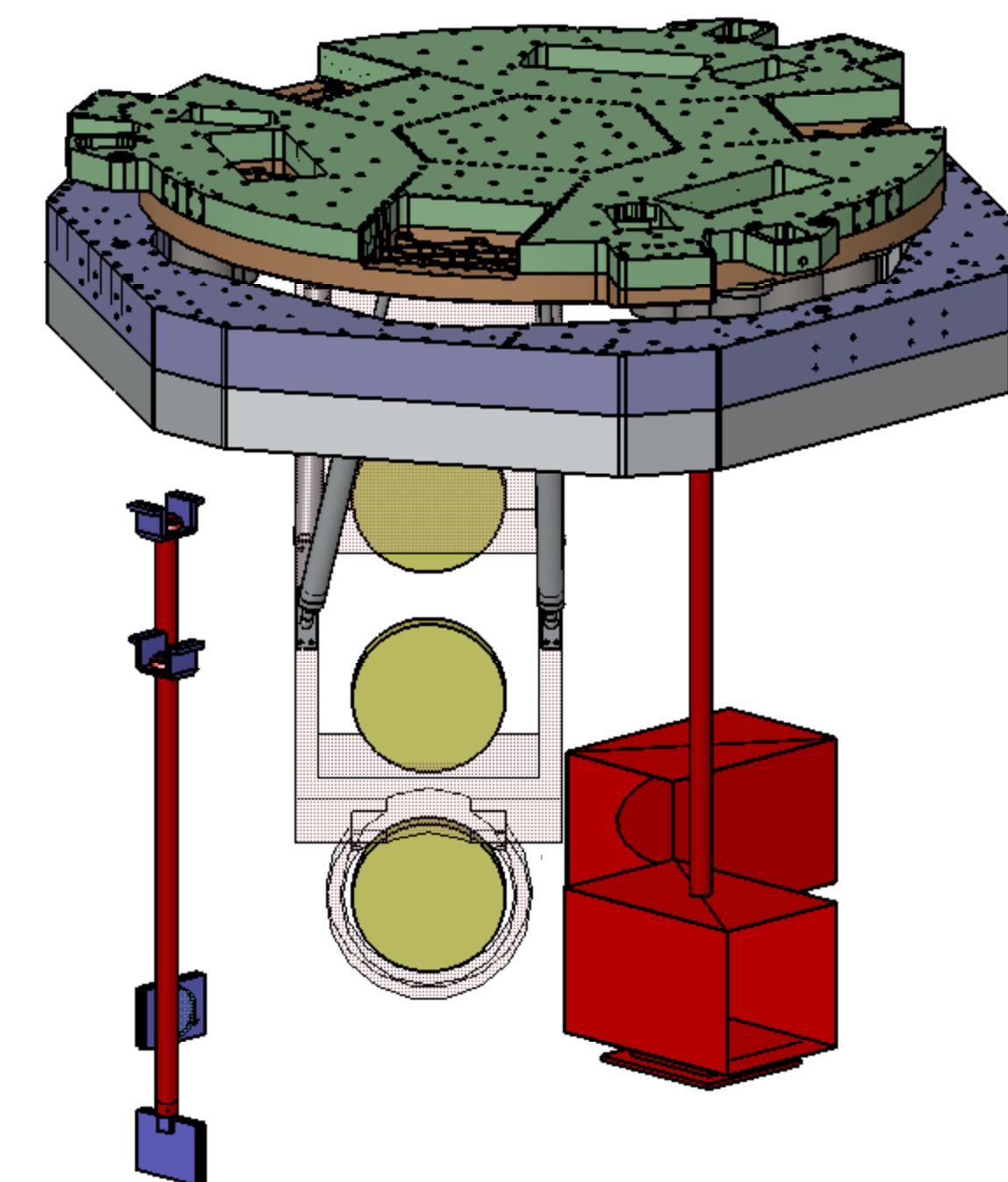


**TOP VIEW**

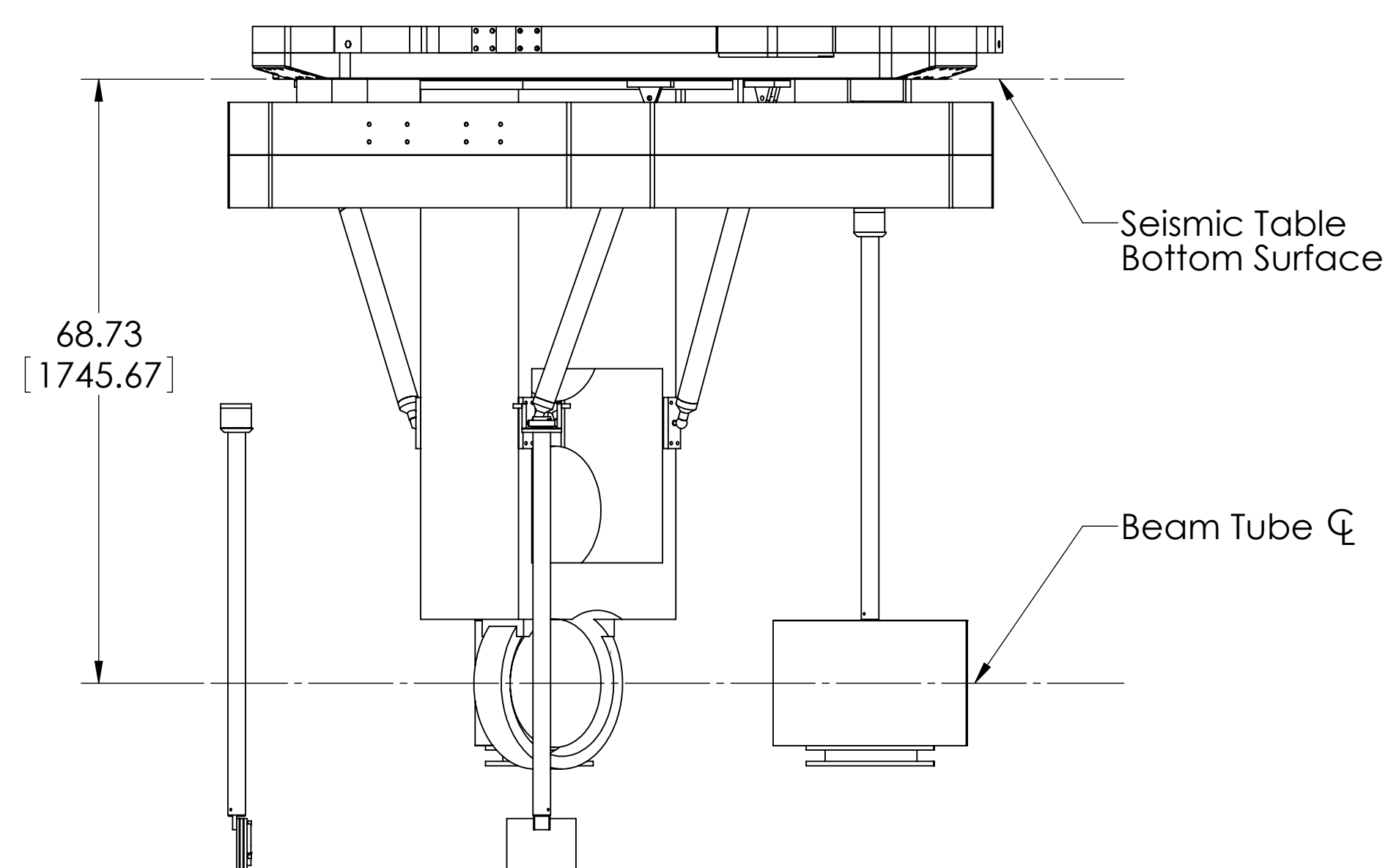
BS HR Envelope



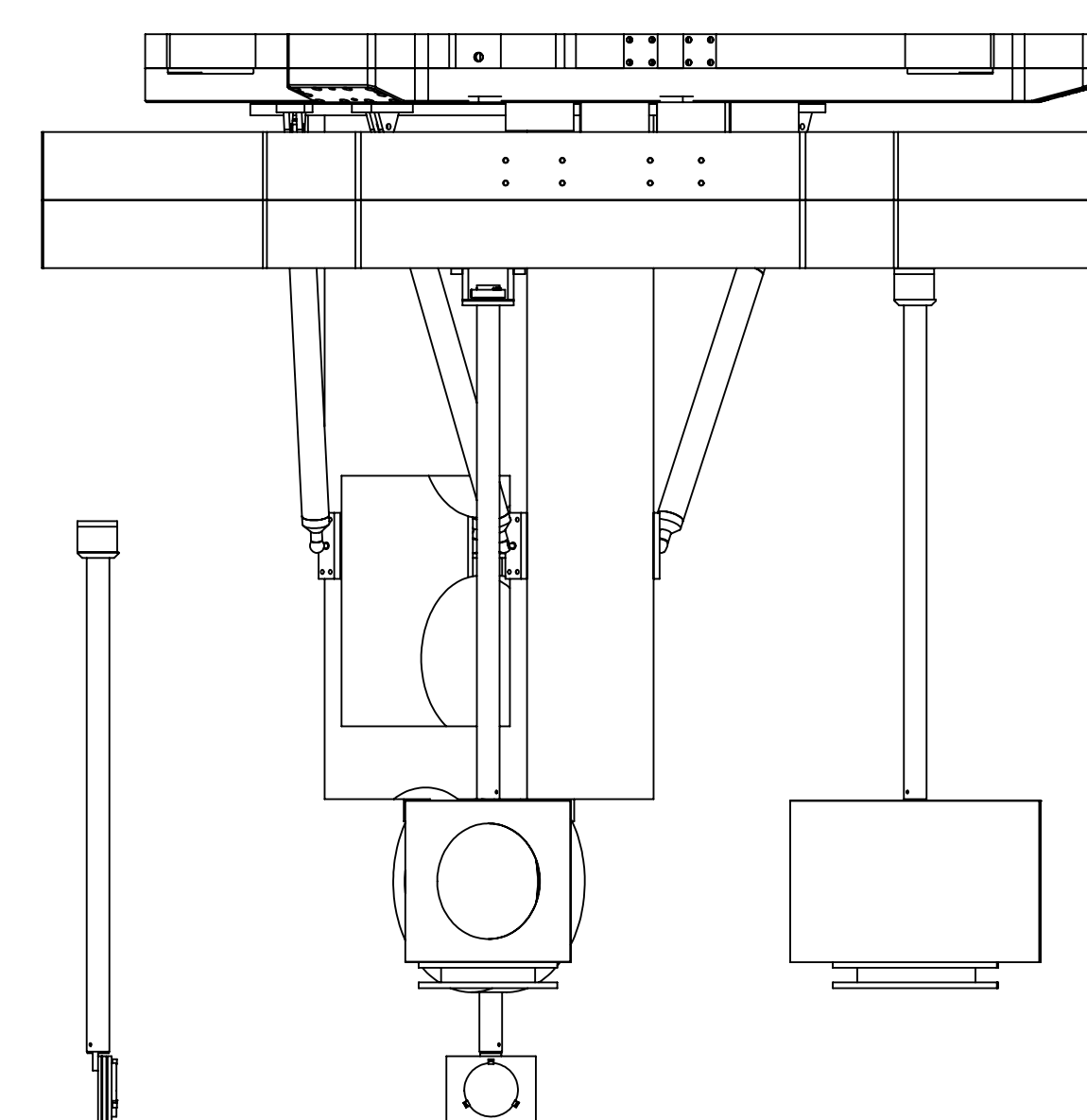
**BOTTOM VIEW**



**TABLE MASS TOTAL & NO CHAMBER SHOWN**



**FRONT VIEW**



**RIGHT SIDE VIEW**

<b>BSC2-L1</b>	
CofG COORDINATES (mm)	
X	4.96
Y	5.22
Z	1357.71
TABLE MASS TOTAL	801.04

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)	
DIMENSIONS ARE IN INCHES	
TOLERANCES: .XX ± 0.01 .XXX ± 0.005	
ANGULAR ± 0.5°	
MATERIAL	FINISH
--	-- μinch

<b>LIGO</b> CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY	
SYSTEM	SUB-SYSTEM
ADVANCED LIGO	SUS
NEXT ASSY	

PART NAME			
BSC2-L1 Top Level Chamber Assembly, Simplified			
DESIGNER	SIZE	DWG. NO.	REV.
DRAFTER	ED CHAVEZ	30 NOV 2009	D
CHECKER			D0900428
APPROVAL			v3
SCALE: 1:24		PROJECTION:	SHEET 5 OF 5

D0900428 BSC2-L1 Top Level Chamber Assembly, Simplified.dwg PART PDM REV: X.026, DPA-WING PDM REV: X.001