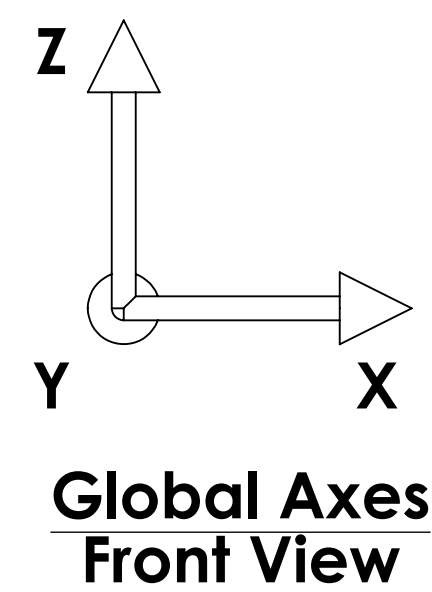
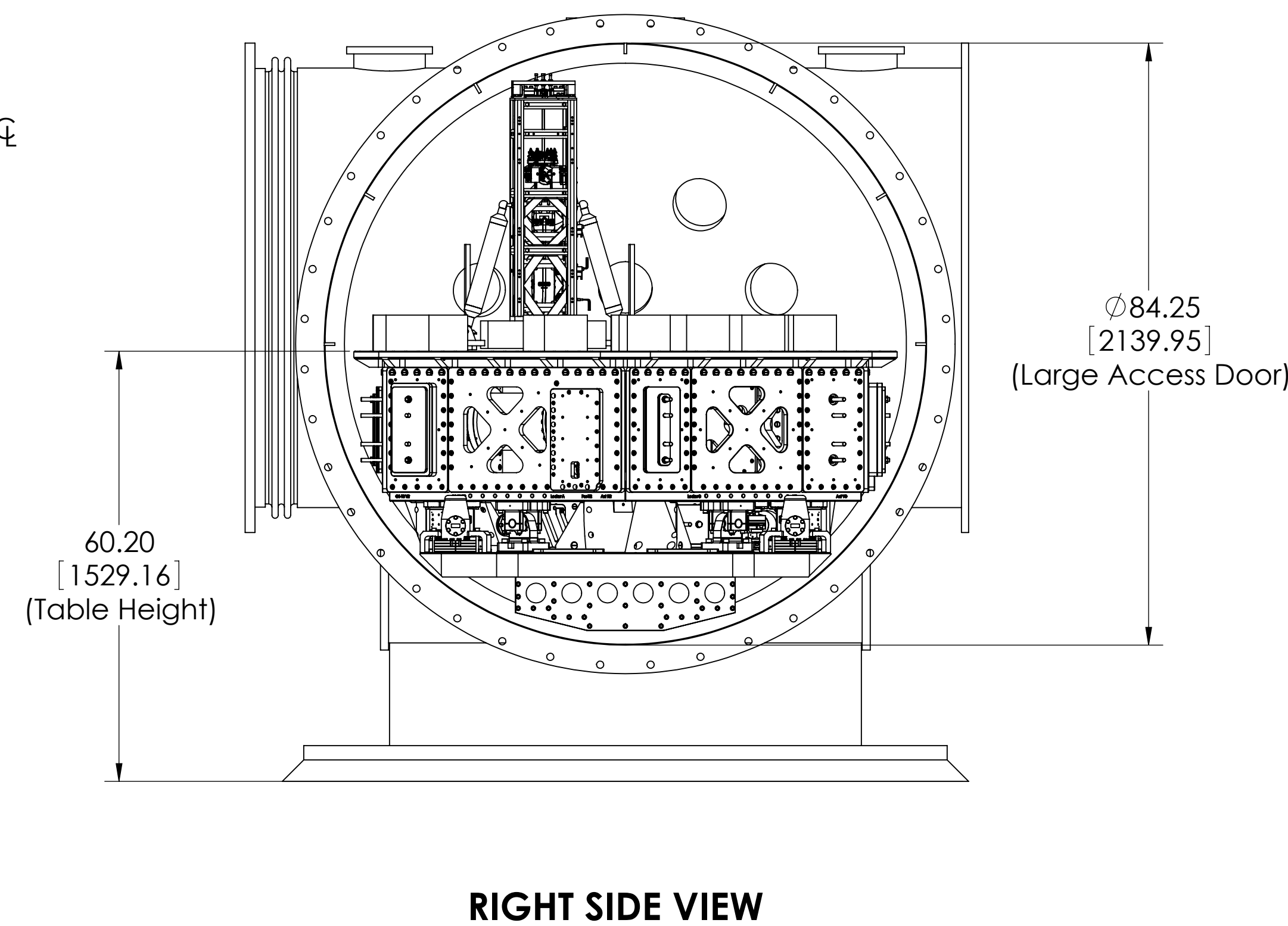
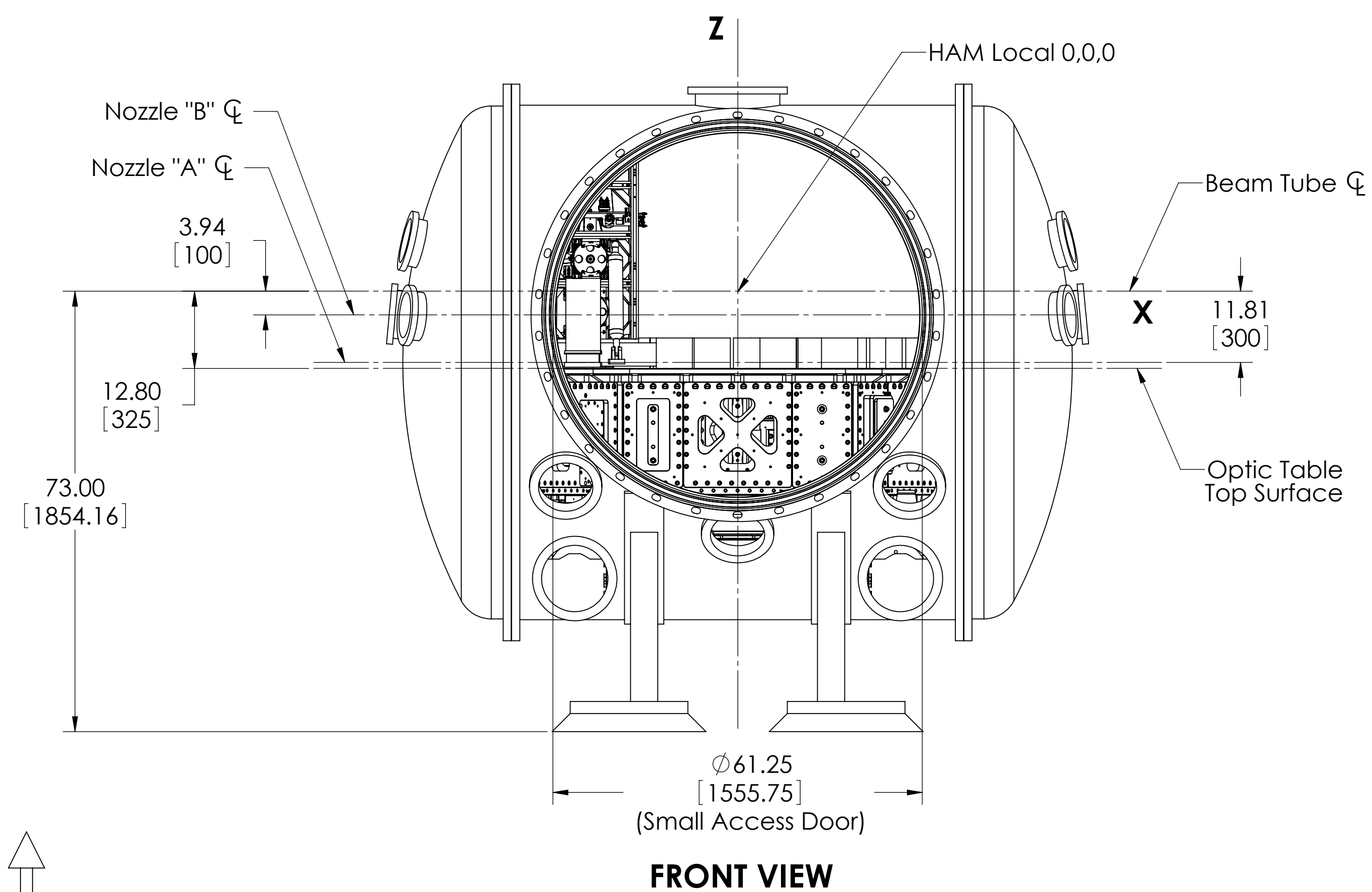
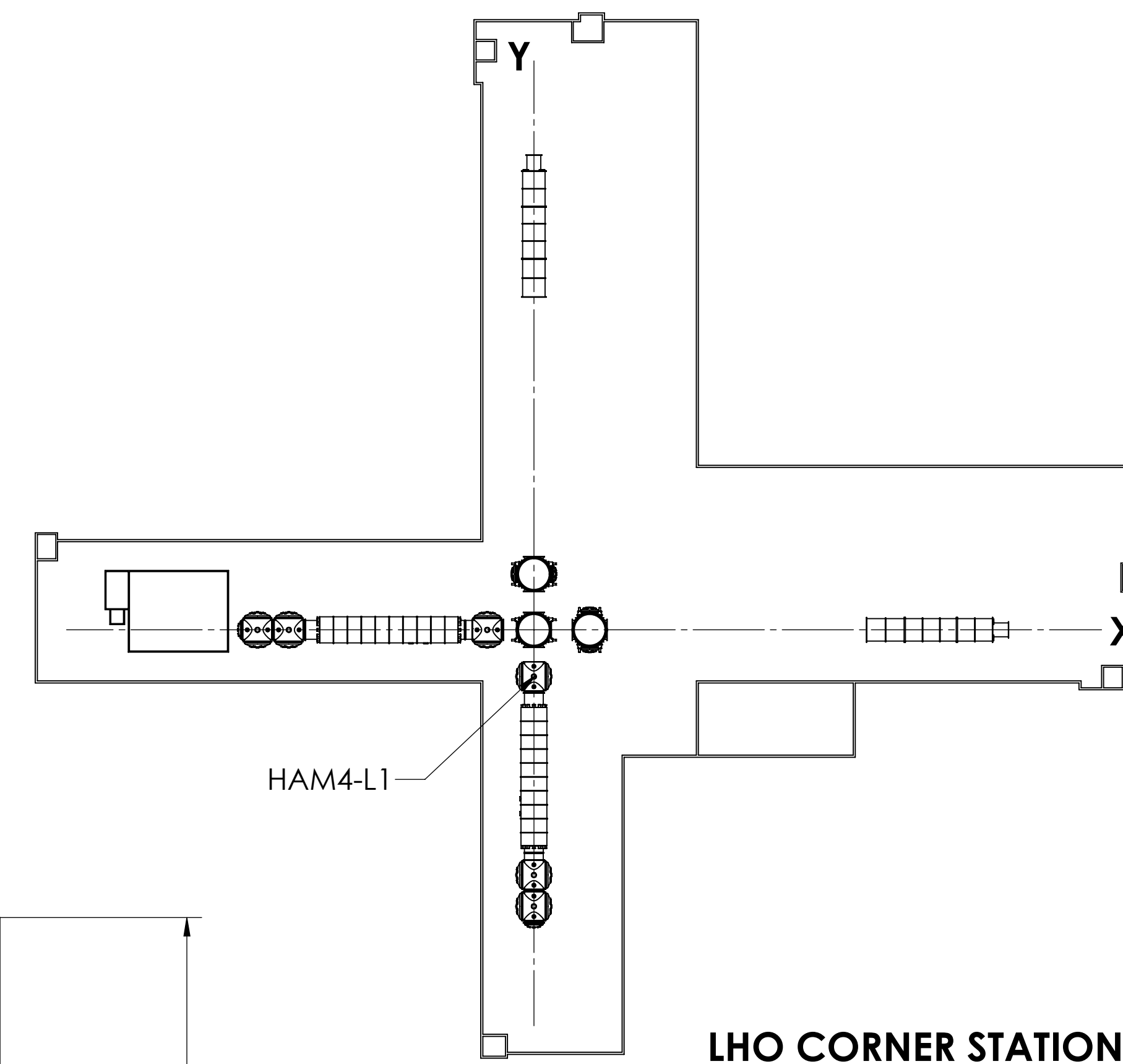
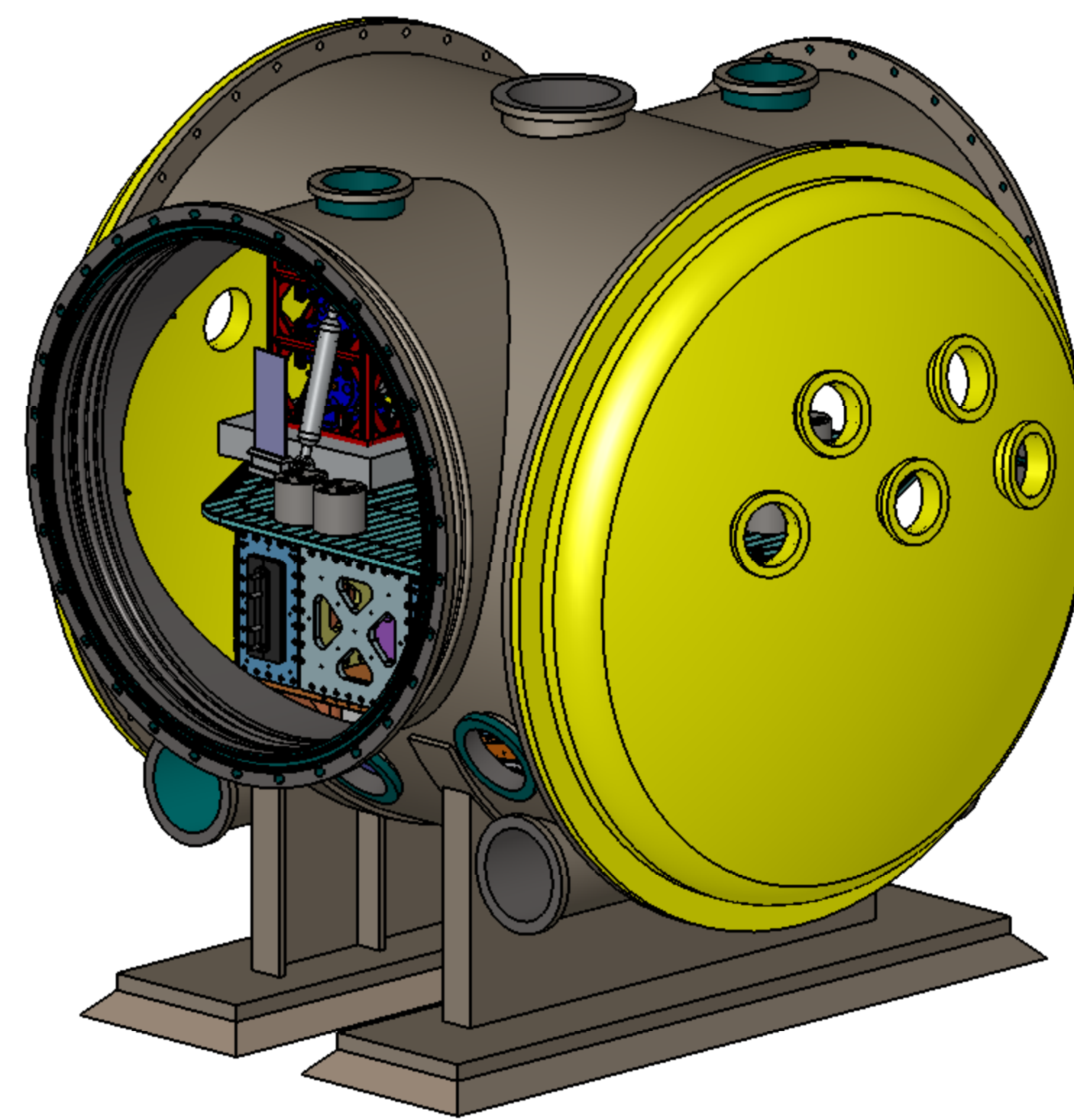
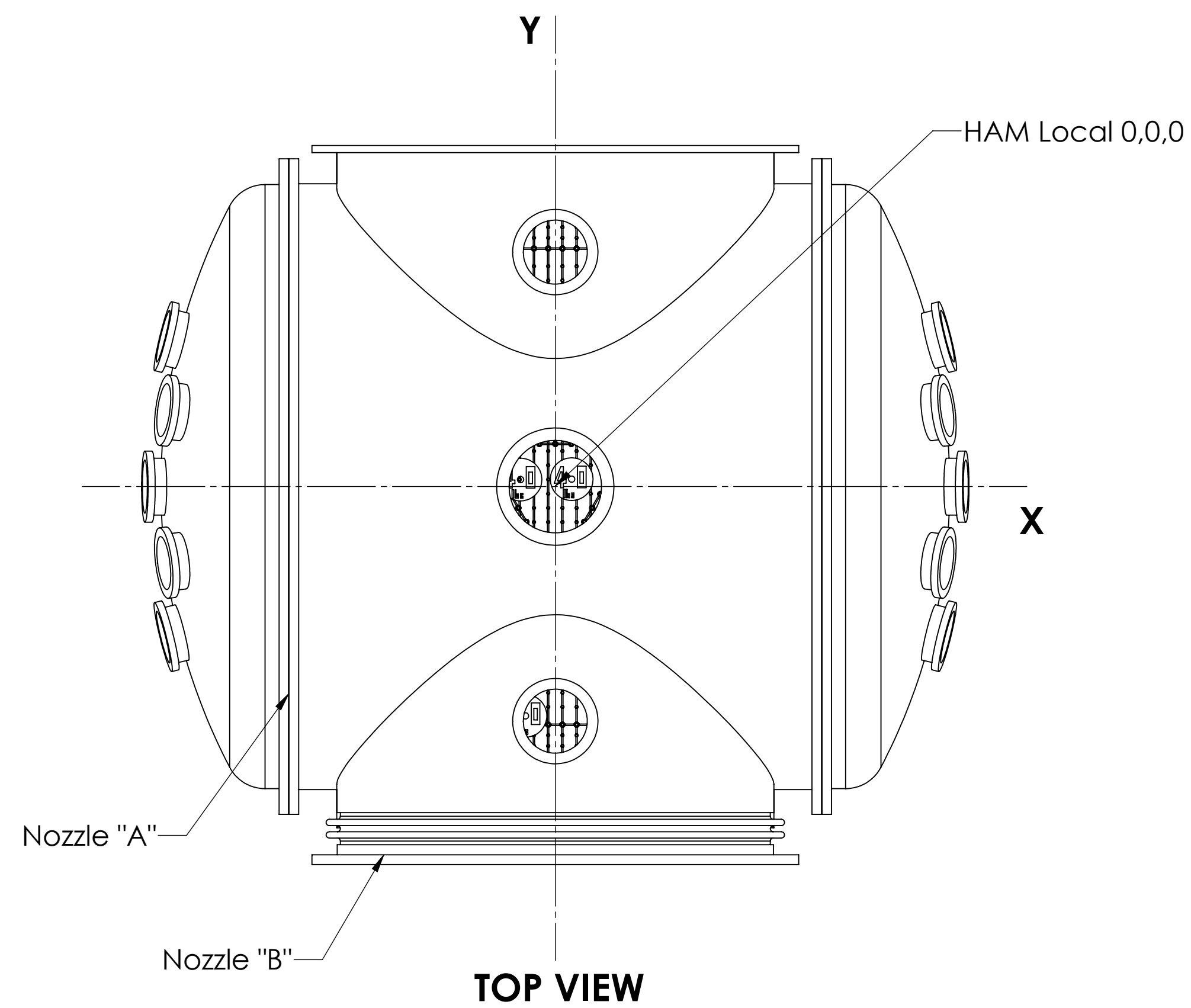


REV.	DATE	DCN #	DRAWING TREE #
-	-	-	-
-	-	-	-
-	-	-	-



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

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)

DIMENSIONS ARE IN INCHES  
 TOLERANCES:  
 .XX ± 0.01  
 .XXX ± 0.005  
 ANGULAR ± 0.5°

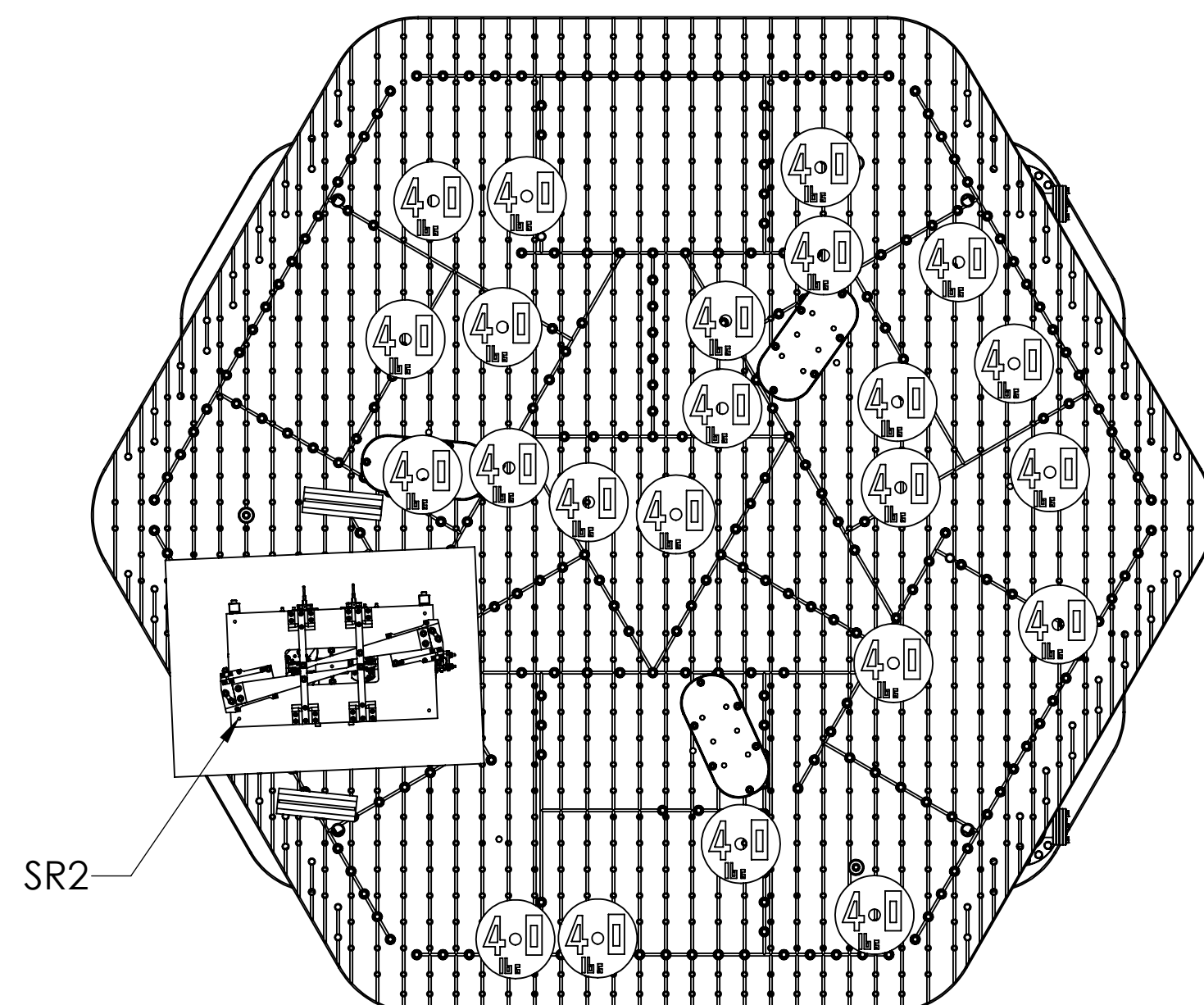
MATERIAL	--	FINISH	-- μinch
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CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY	
SYSTEM	SUB-SYSTEM
ADVANCED LIGO	SUS
NEXT ASSY	

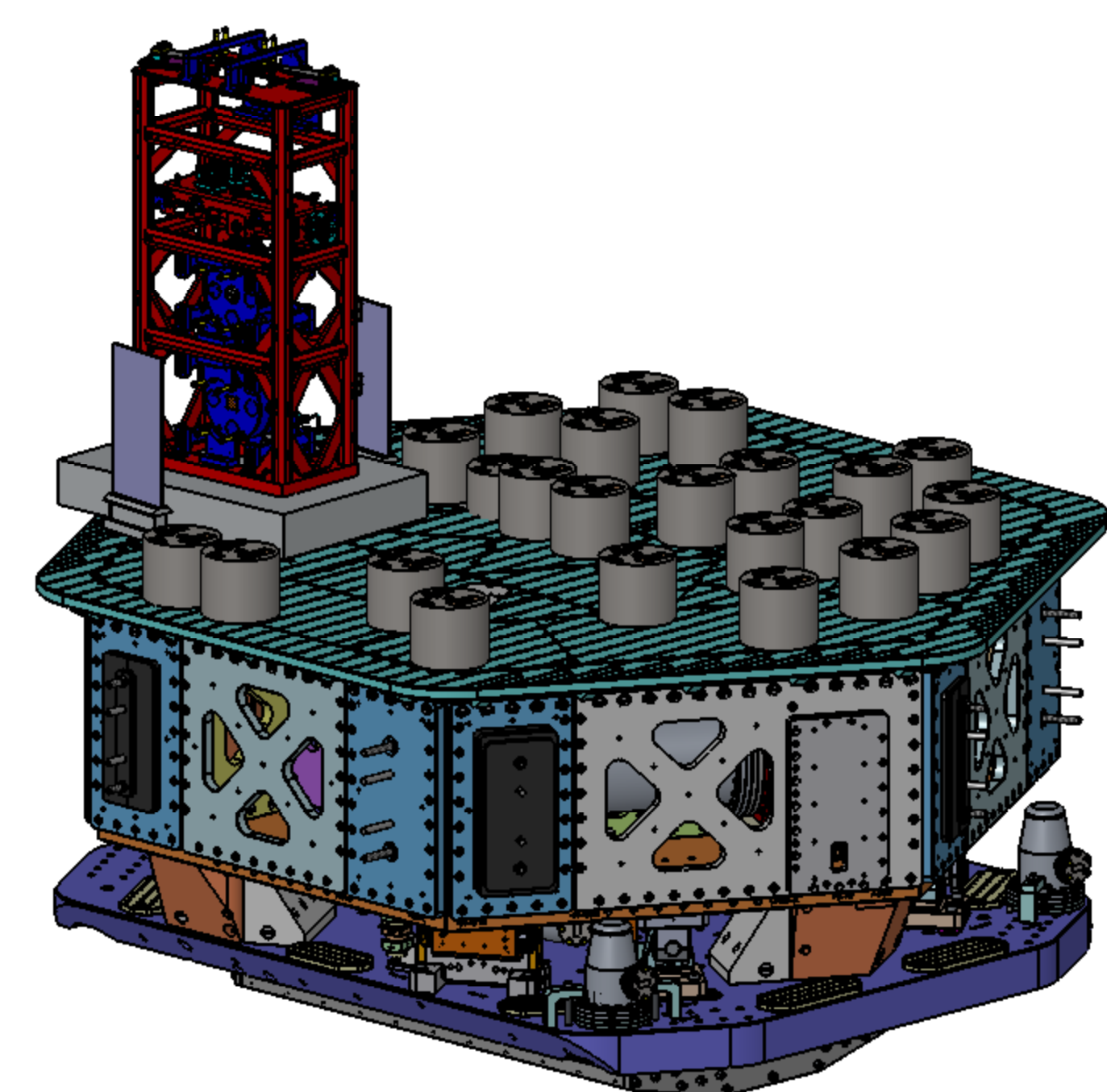
PART NAME		HAM4-L1 Top Level Chamber Assembly, Fully Detailed	
DESIGNER	ED CHAVEZ	DATE	11 DEC 2009
DRAFTER		SIZE	D
CHECKER		DWG. NO.	D0900421
APPROVAL		REV.	v3
SCALE: 1:24		PROJECTION:	SHEET 1 OF 5

D0900421: HAM4-L1 Top Level Chamber Assembly, Complicated I PART PDM REV: X-0.1, DRAWING PDM REV: X-00

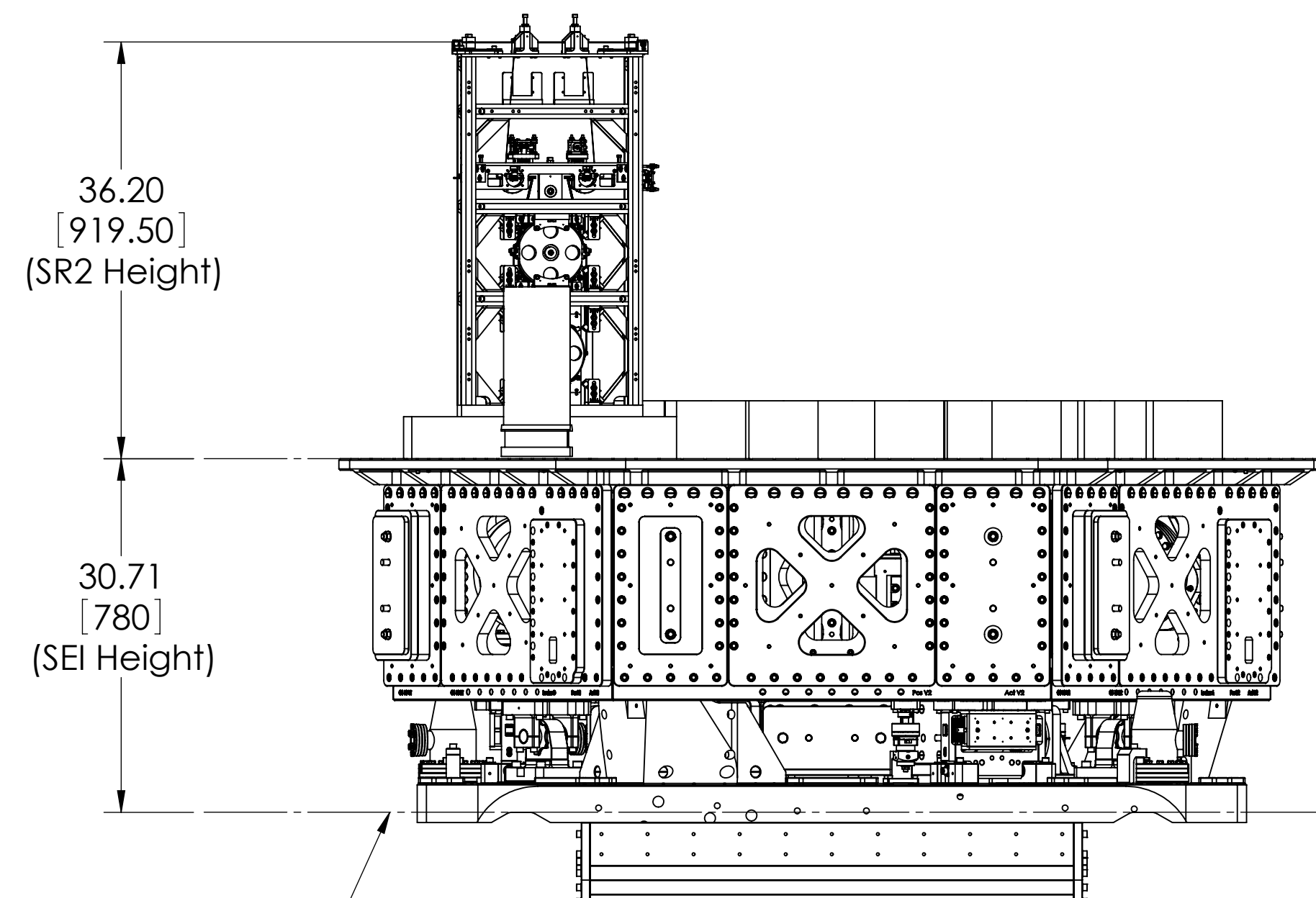
REV.	DATE	DCN #	DRAWING TREE #
-	-	-	-
-	-	-	-
-	-	-	-



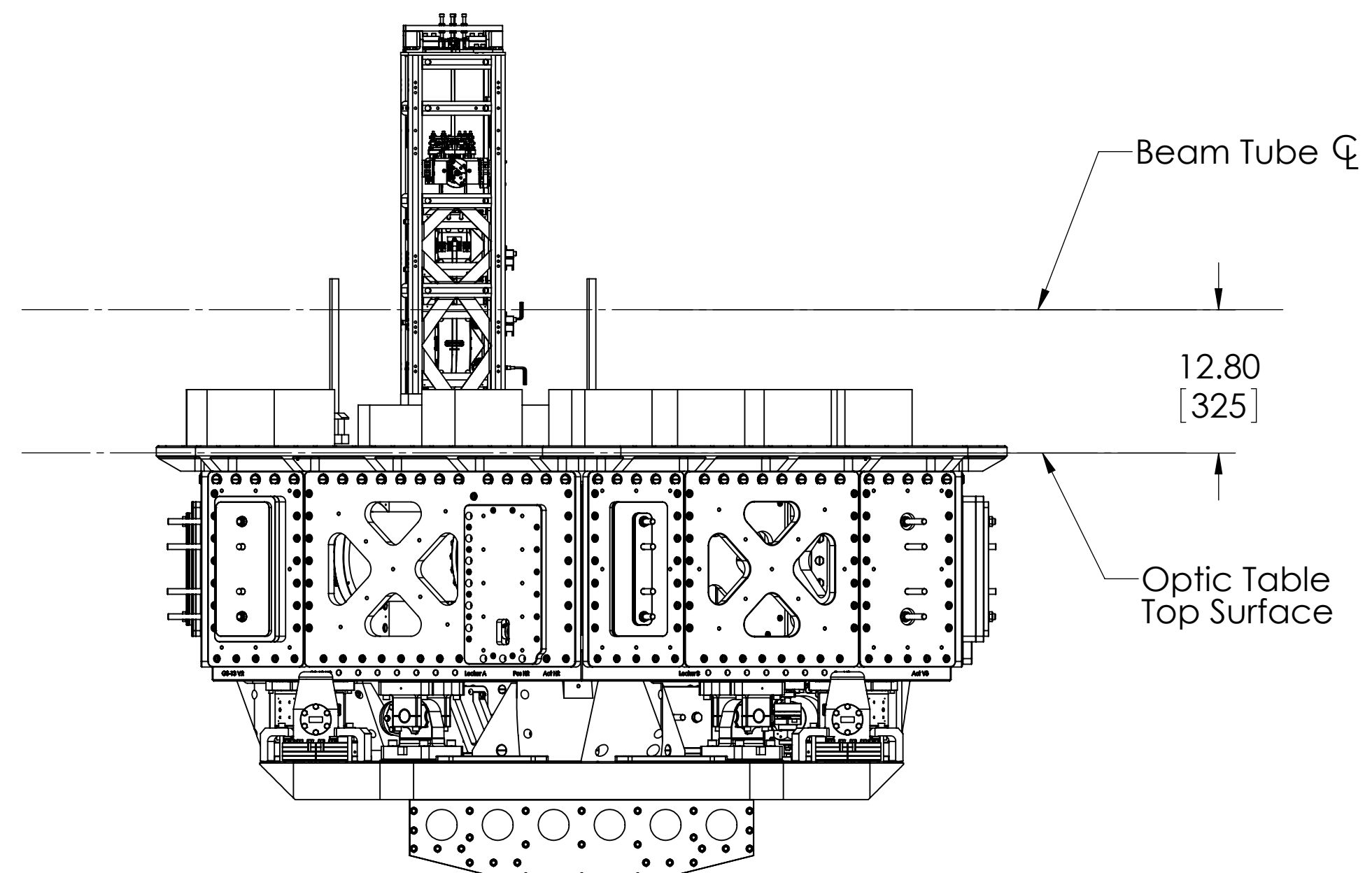
**TOP VIEW**



**ISO VIEW  
(NO CHAMBER SHOWN)**



**FRONT VIEW**



**RIGHT SIDE VIEW**

ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	FULL/QTY.
5	D0900341	AdvLIGO Systems SEI Table Counterweight Assembly	--	1
4	D0900343	AdvLIGO Systems SEI Table AOS Table Baffle Assy	--	1
3	D0900424	AdvLIGO SUS HAM4-L1, XYZ Local CS for HSTS (SR2)	--	1
2	D0900423	AdvLIGO SEI HAM4-L1, XYZ Local CS for ISO Table	--	1
NOT SHOWN	D0900422	AdvLIGO VE HAM4-L1, Vacuum Equipment Assembly	--	1

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

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

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

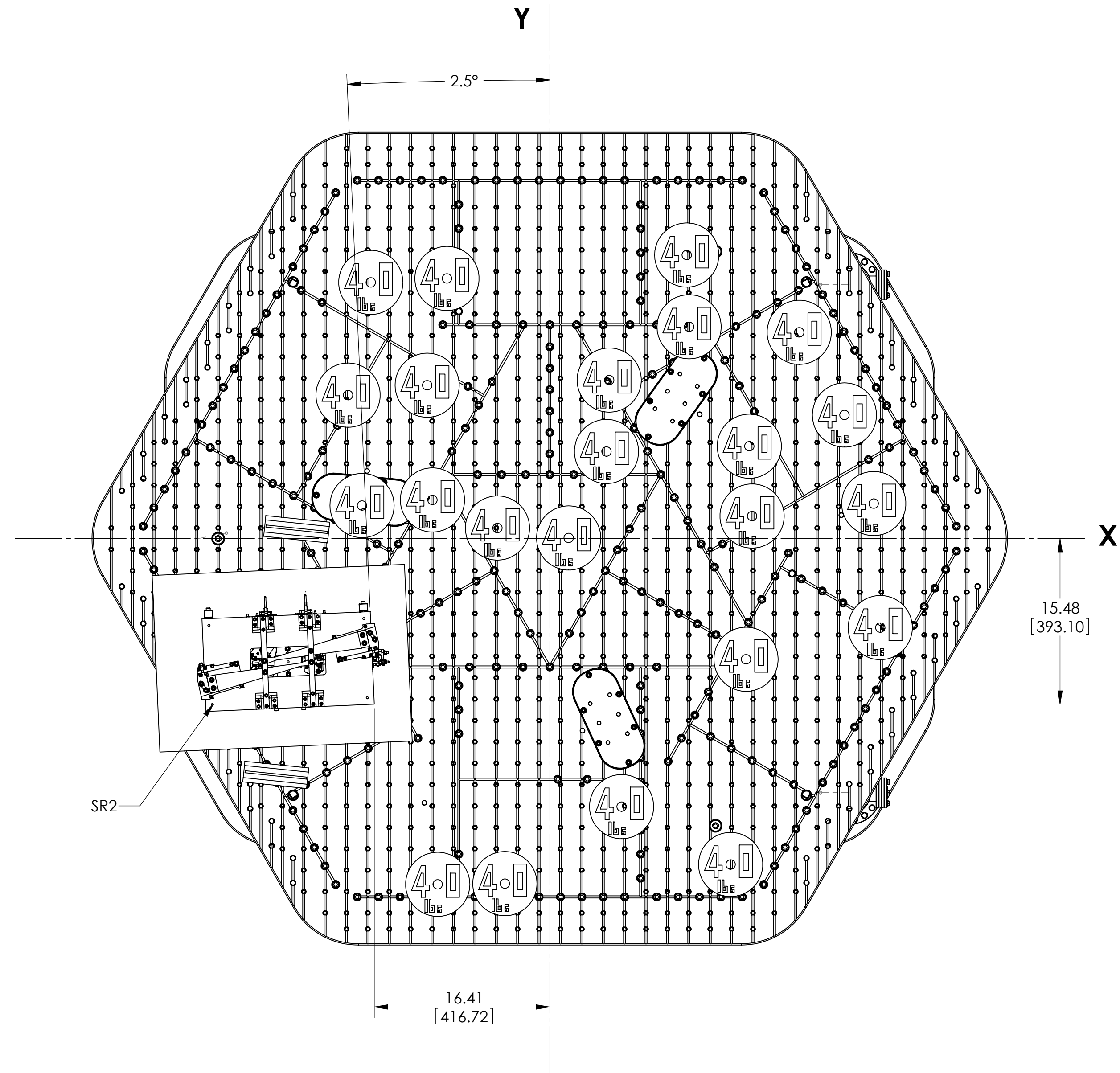
NEXT ASSY

PART NAME: **HAM4-L1 Top Level Chamber Assembly, Fully Detailed**

DESIGNER	ED CHAVEZ	DATE	14 DEC 2009	SIZE	DWG. NO.	REV.
DRAFTER				D	<b>D0900421</b>	v3
CHECKER				SCALE: 1:24	PROJECTION:	SHEET 2 OF 5
APPROVAL						

D0900421 HAM4-L1 Top Level Chamber Assembly, Complicated II PART PDM REV: X.02 DRAWING PDM REV: X.00

REV.	DATE	DCN #	DRAWING TREE #



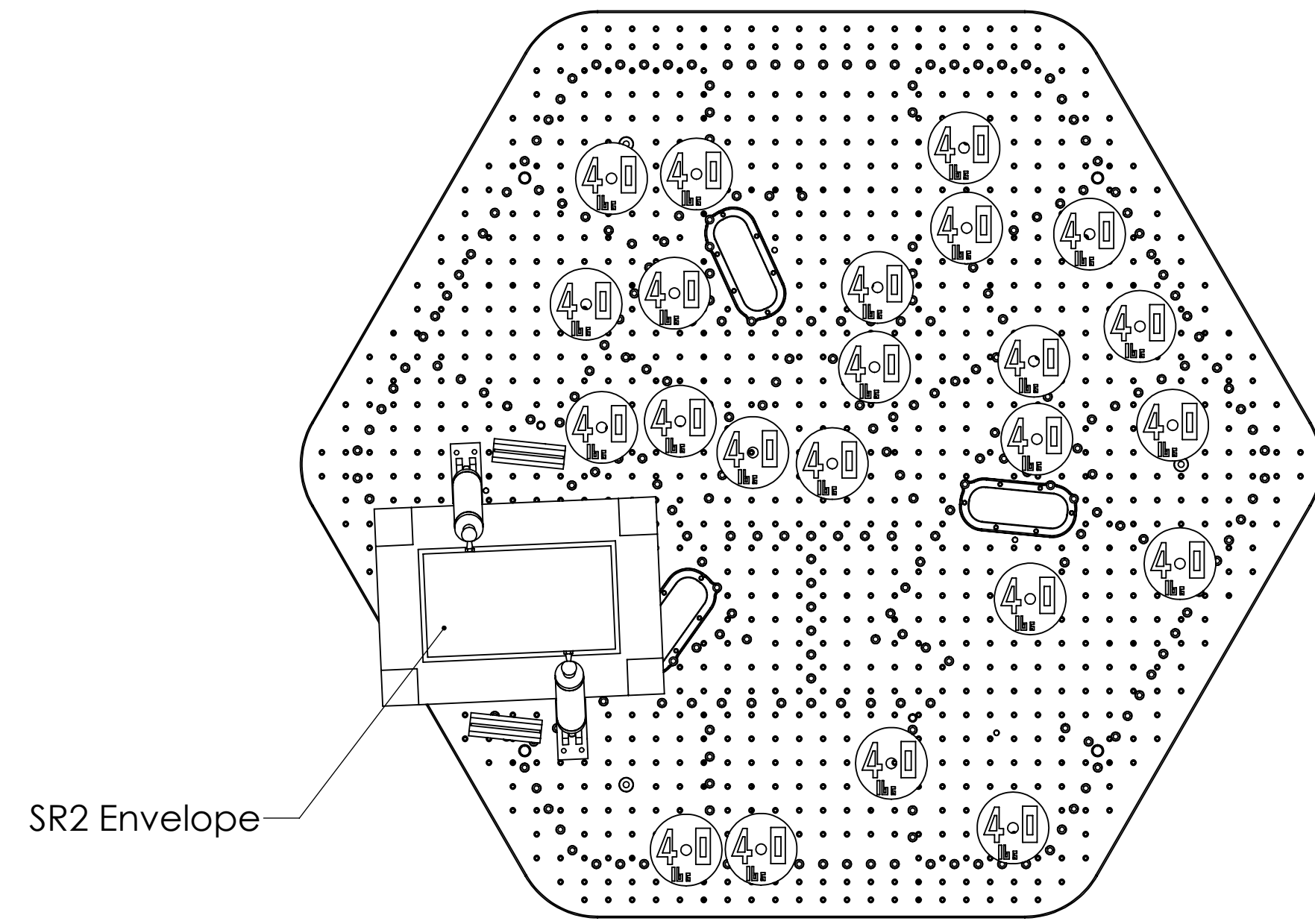
**TOP VIEW**

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)				LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		PART NAME HAM4-L1 Top Level Chamber Assembly, Fully Detailed					
DIMENSIONS ARE IN		MATERIAL		FINISH		SYSTEM ADVANCED LIGO	SUB-SYSTEM SUS	DESIGNER	SIZE	DWG. NO.	REV.
TOLERANCES: .XX ± .XXX ±		--		-- μinch		NEXT ASSY		DRAFTER ED CHAVEZ	D	D0900421	v3
ANGULAR ± °								CHECKER	SCALE: 1:2	PROJECTION:	SHEET 3 OF 5
								APPROVAL			

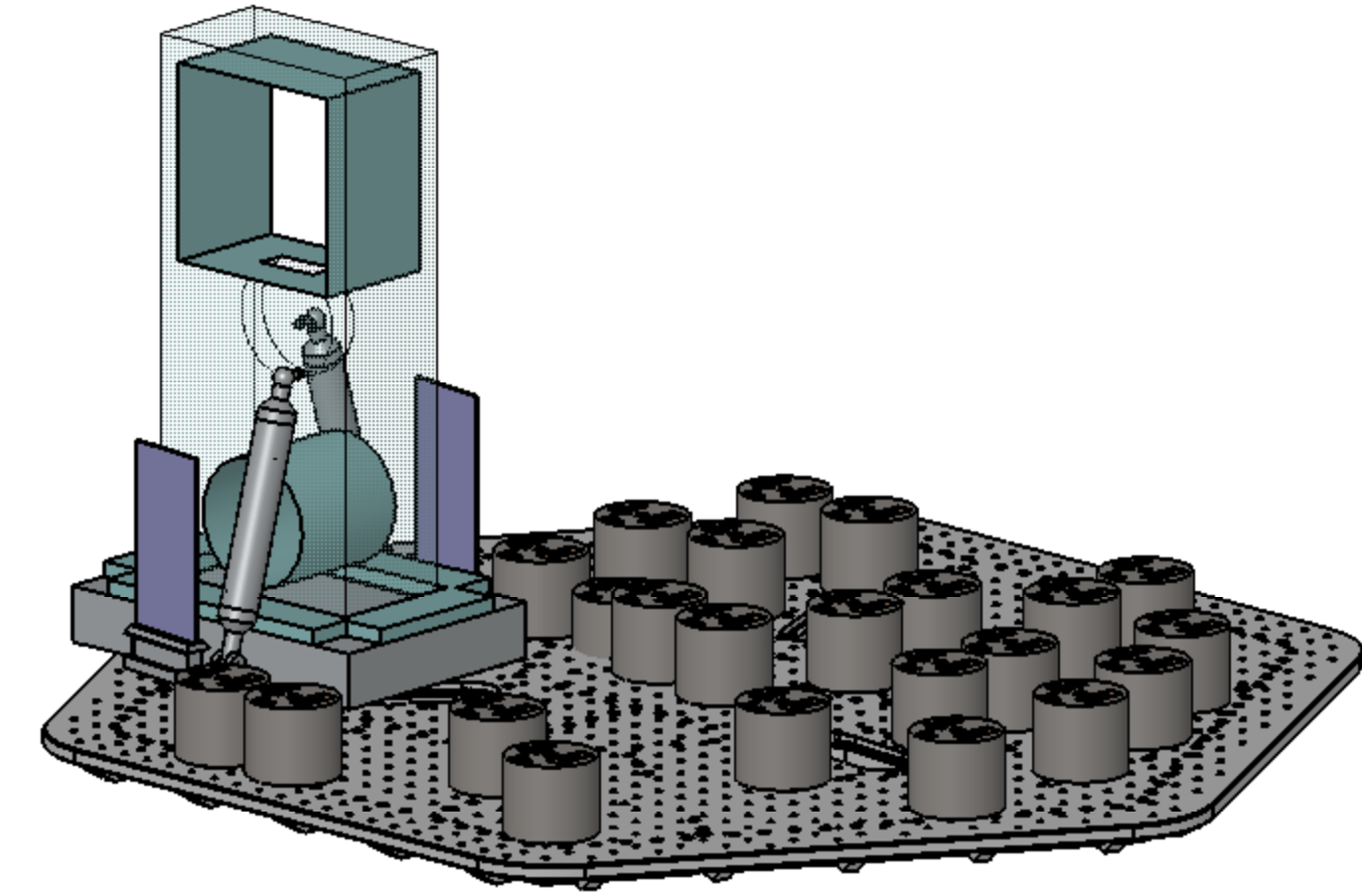
D0900421 HAM4-L1 Top Level Chamber Assembly, Complicated III, PART PDM REV. X:012, DRAWING PDM REV.

NOTES CONTINUED:  
 ⑤ Reference DCC # 1010074-02

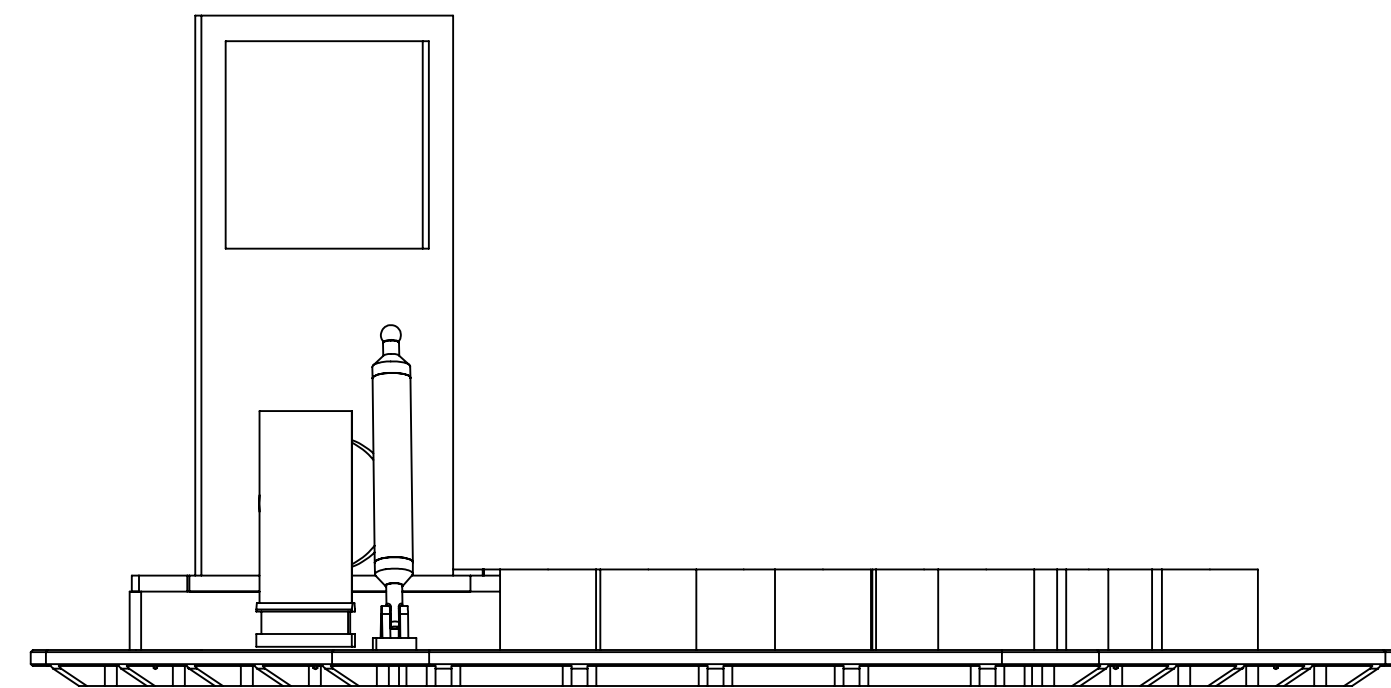
REV.	DATE	DCN #	DRAWING TREE #
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-	-	-	-
-	-	-	-



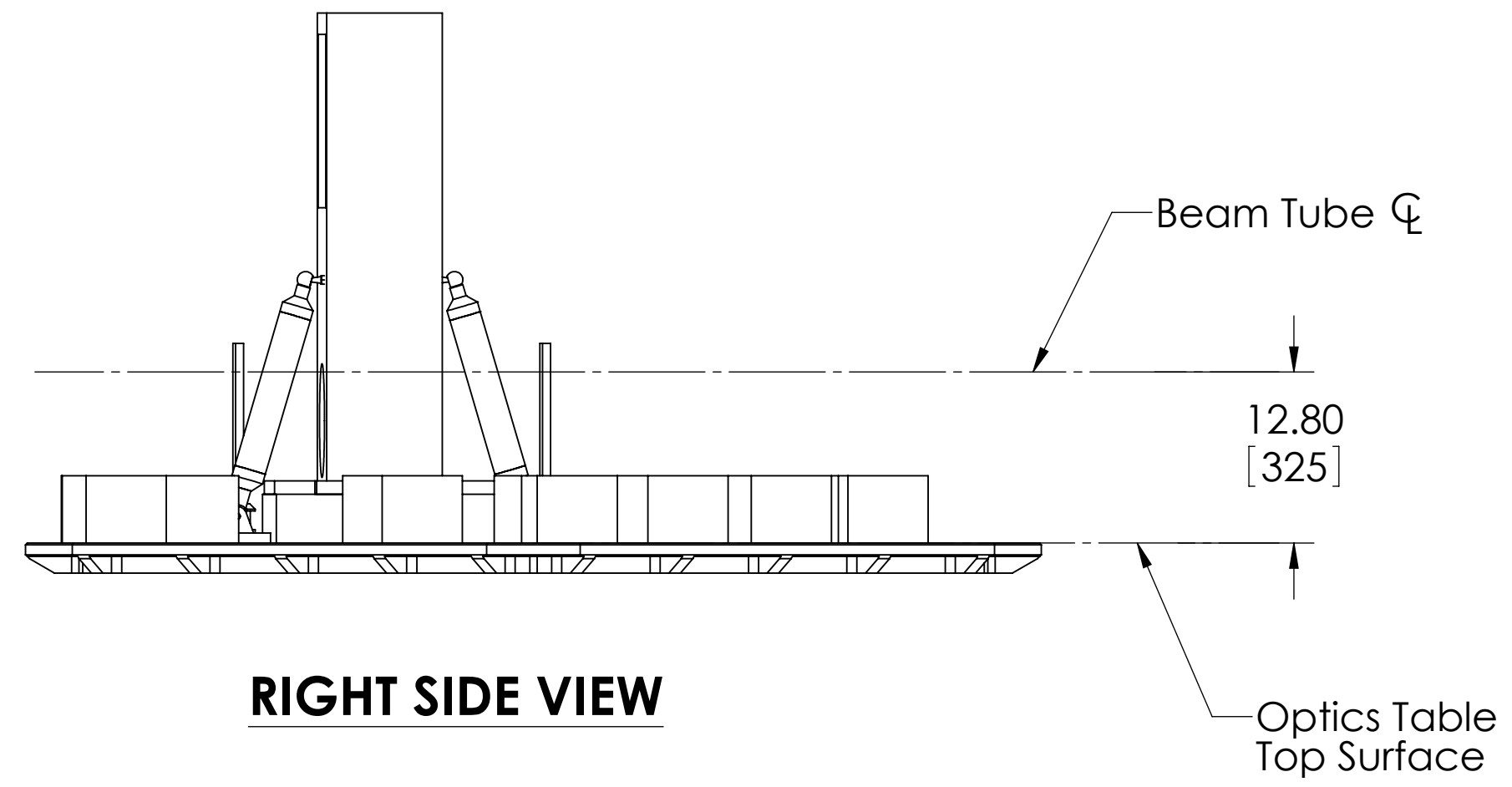
**TOP VIEW**



**NO SUSPENDED MASS & NO CHAMBER SHOWN**



**FRONT VIEW**



**RIGHT SIDE VIEW**

HAM4-L1	
CofG COORDINATES (mm)	
X	11.89
Y	5.20
Z	-210.37
TABLE MASS W/NO SUS-MASS TOTAL	503.76

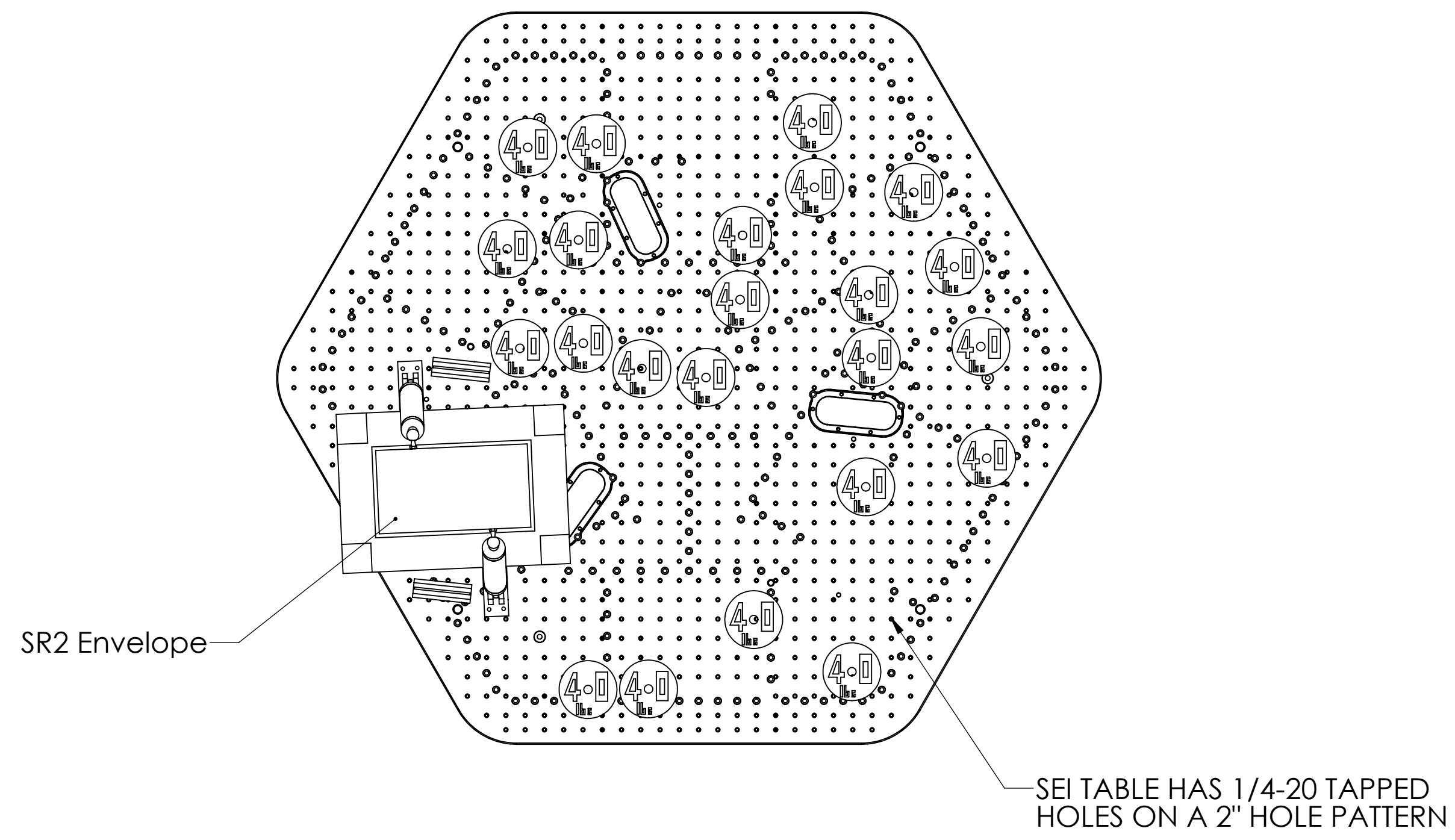
NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)	
DIMENSIONS ARE IN INCHES	
TOLERANCES: .XX ± 0.01 .XXX ± 0.005	
ANGULAR ± 0.5°	
MATERIAL	FINISH
--	-- μinch

CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY	PART NAME	
	HAM4-L1 Top Level Chamber Assembly, Simplified	
SYSTEM	SUB-SYSTEM	DESIGNER
ADVANCED LIGO	SUS	ED CHAVEZ
NEXT ASSY	CHECKER	APPROVAL

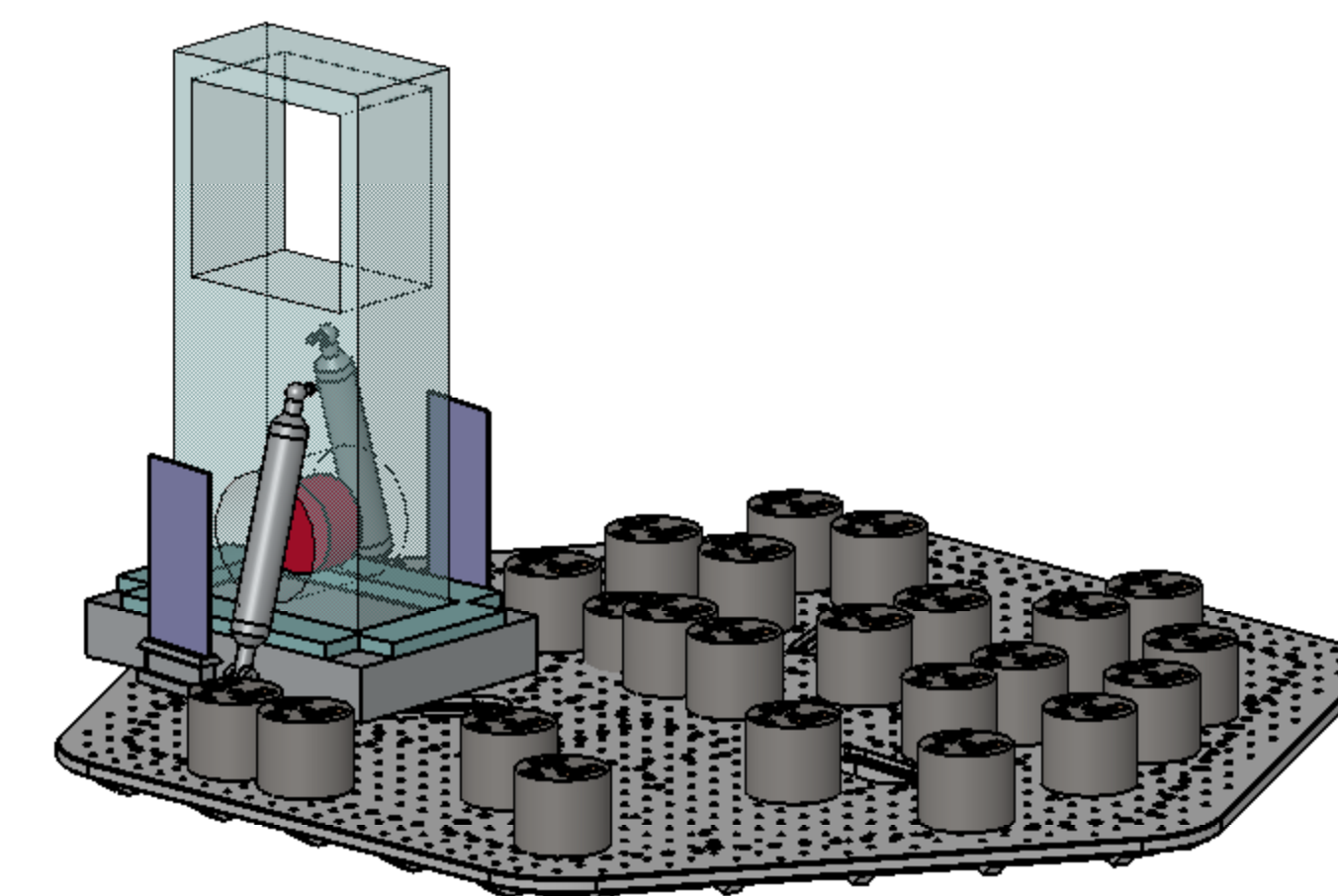
SIZE	DWG. NO.	REV.
D	D0900421	v3
SCALE: 1:12	PROJECTION:	SHEET 4 OF 5

D0900421 HAM4-L1 Top Level Chamber Assembly, Simplified I.PART PDM REV: X.012 DRAWING PDM REV: X.000

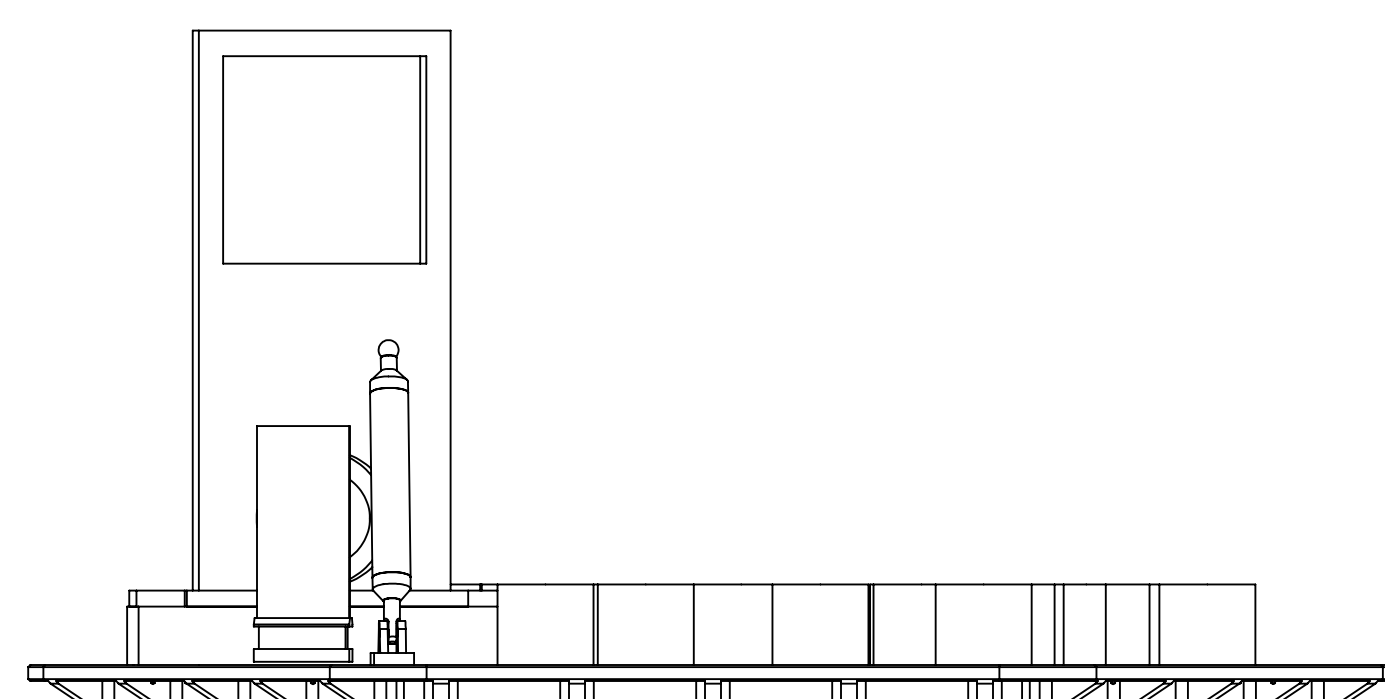
REV.	DATE	DCN #	DRAWING TREE #
-	-	-	-
-	-	-	-
-	-	-	-



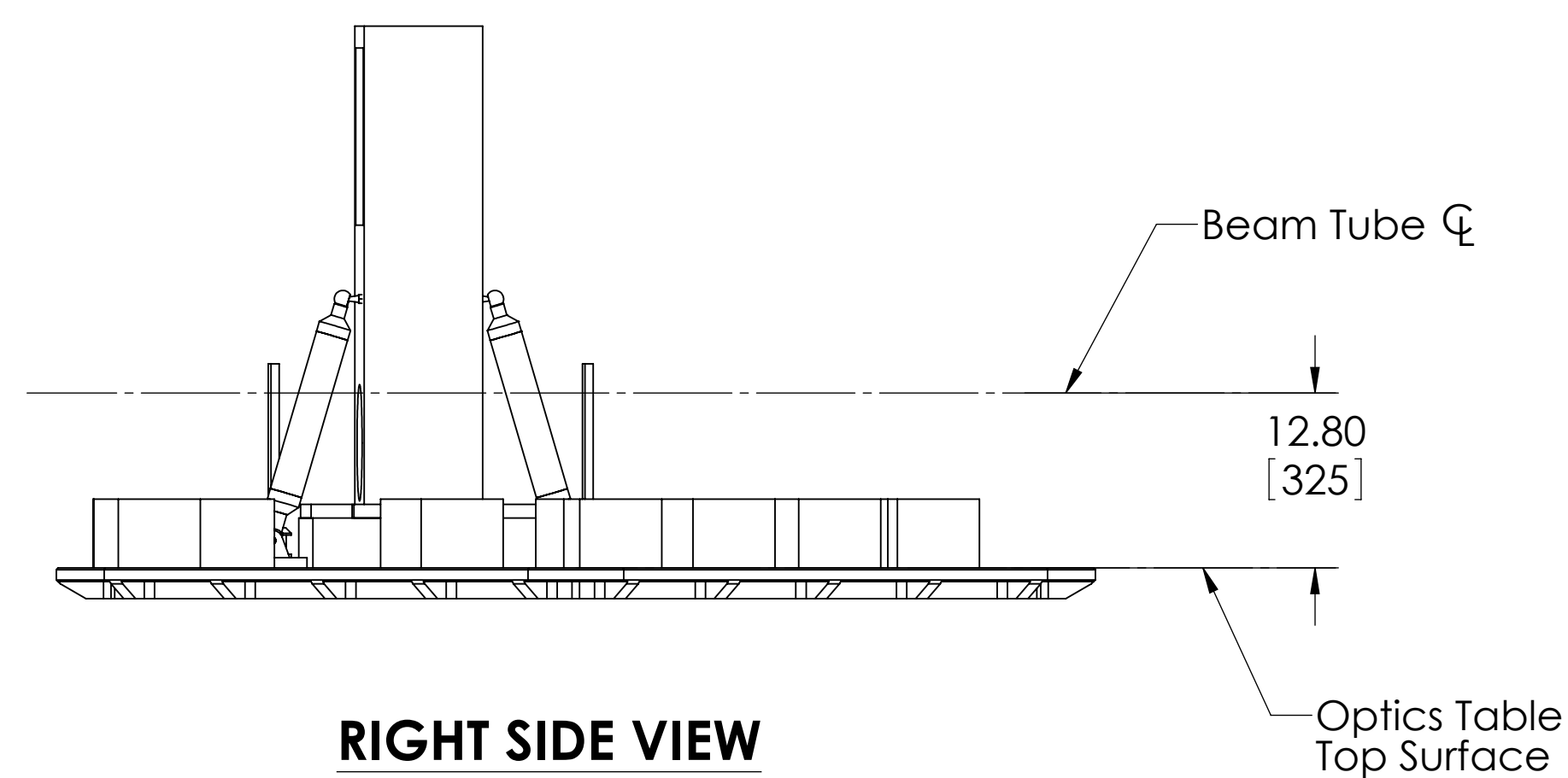
**TOP VIEW**



**TABLE MASS TOTAL & NO CHAMBER SHOWN**



**FRONT VIEW**



**RIGHT SIDE VIEW**

<b>HAM4-L1</b>	
CofG COORDINATES (mm)	
X	0.57
Y	-0.11
Z	-204.68
TABLE MASS TOTAL	512.92

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

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

PART NAME			
HAM4-L1 Top Level Chamber Assembly, Simplified			
DESIGNER	SIZE	DWG. NO.	REV.
DRAFTER	ED DCHAVEZ	14 DEC 2009	D
CHECKER	D0900421		v3
APPROVAL	SCALE: 1:12	PROJECTION:	SHEET 5 OF 5

D0900421 HAM4-L1 Top Level Chamber Assembly, Simplified ILL PART PDM REV. X-012\_DRA WINGS PDM REV. X-000