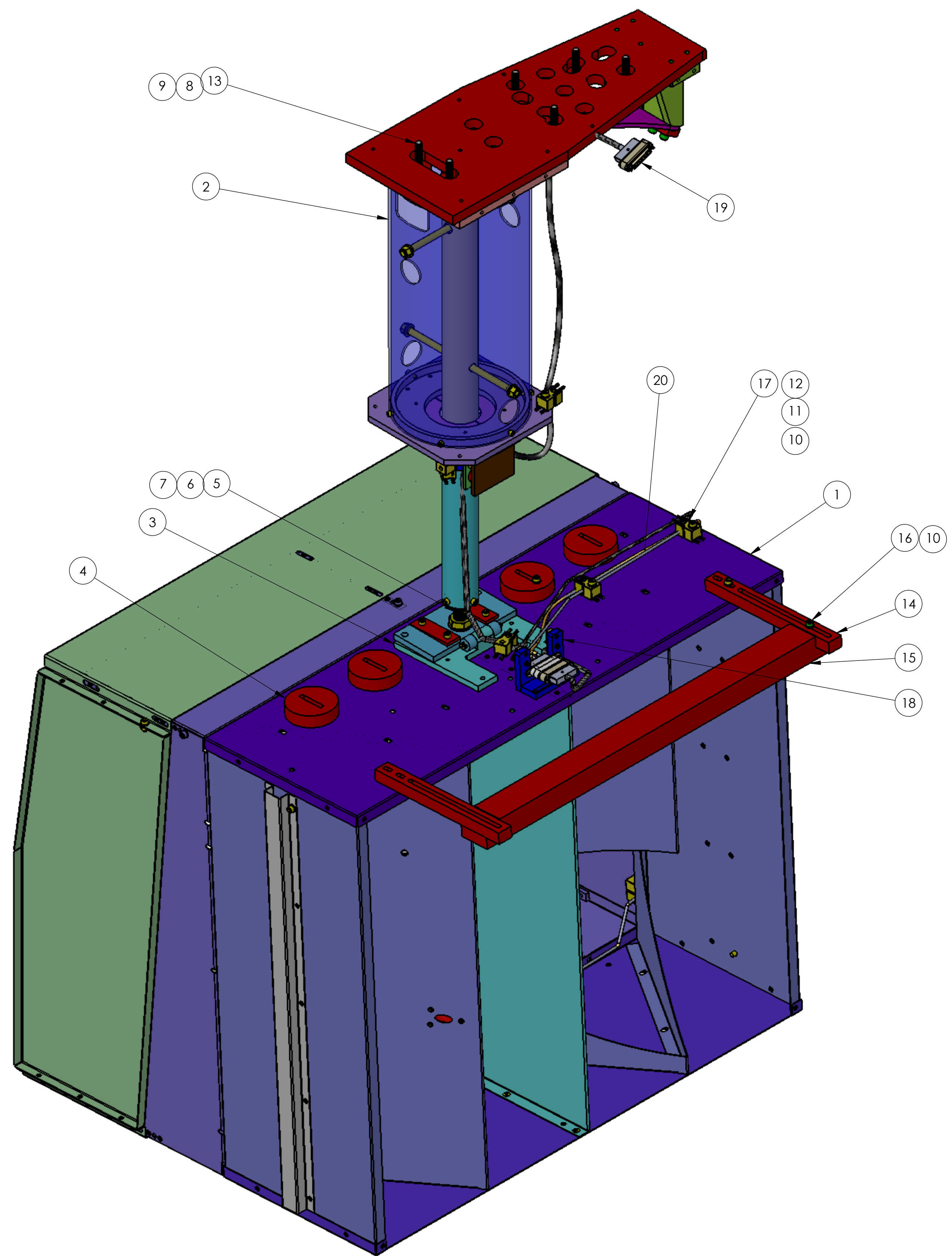


NOTES CONTINUED:

REV.	DATE	DCN #	DRAWING TREE #
v1	14 DEC 2010		SEE CHART
v2	14 MAR 2011	E1100216	SEE CHART



PART NUMBER	DESCRIPTION	NEXT SUB-ASSY	CHAMBER	TOP LEVEL	DRAWING TREE
D1002355-01	ACB 1 HOLE RIGHT-QPD	D1003373	BSC1-L1	D1003374	E1000877-v2
D1002355-02	ACB 1 HOLE LEFT-QPD	D1003370	BSC3-L1	D1003371	E1000878-v2
D1002355-03	ACB 1 HOLE RIGHT NO QPD	D1002384	BSC1-H1	D0901137	E1000879-v2
D1002355-04	ACB 1 HOLE LEFT NO QPD	D1002382	BSC3-H1	D0901146	E1000880-v2
D1002355-05	ACB 1 HOLE RIGHT-QPD		BSC4-L1		E1000877-v2
D1002355-06	ACB 1 HOLE LEFT-QPD		BSC5-L1		E1000878-v2

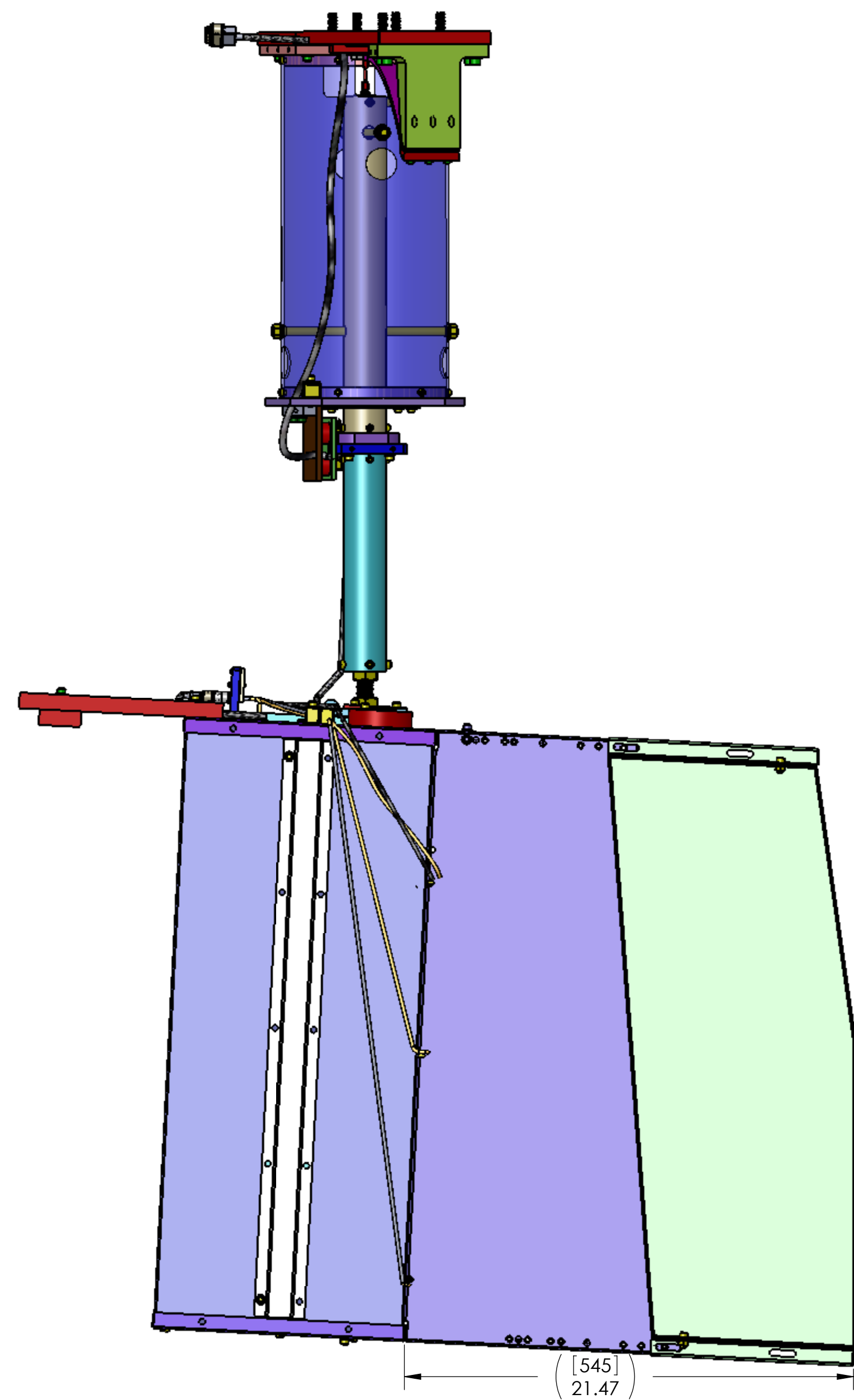
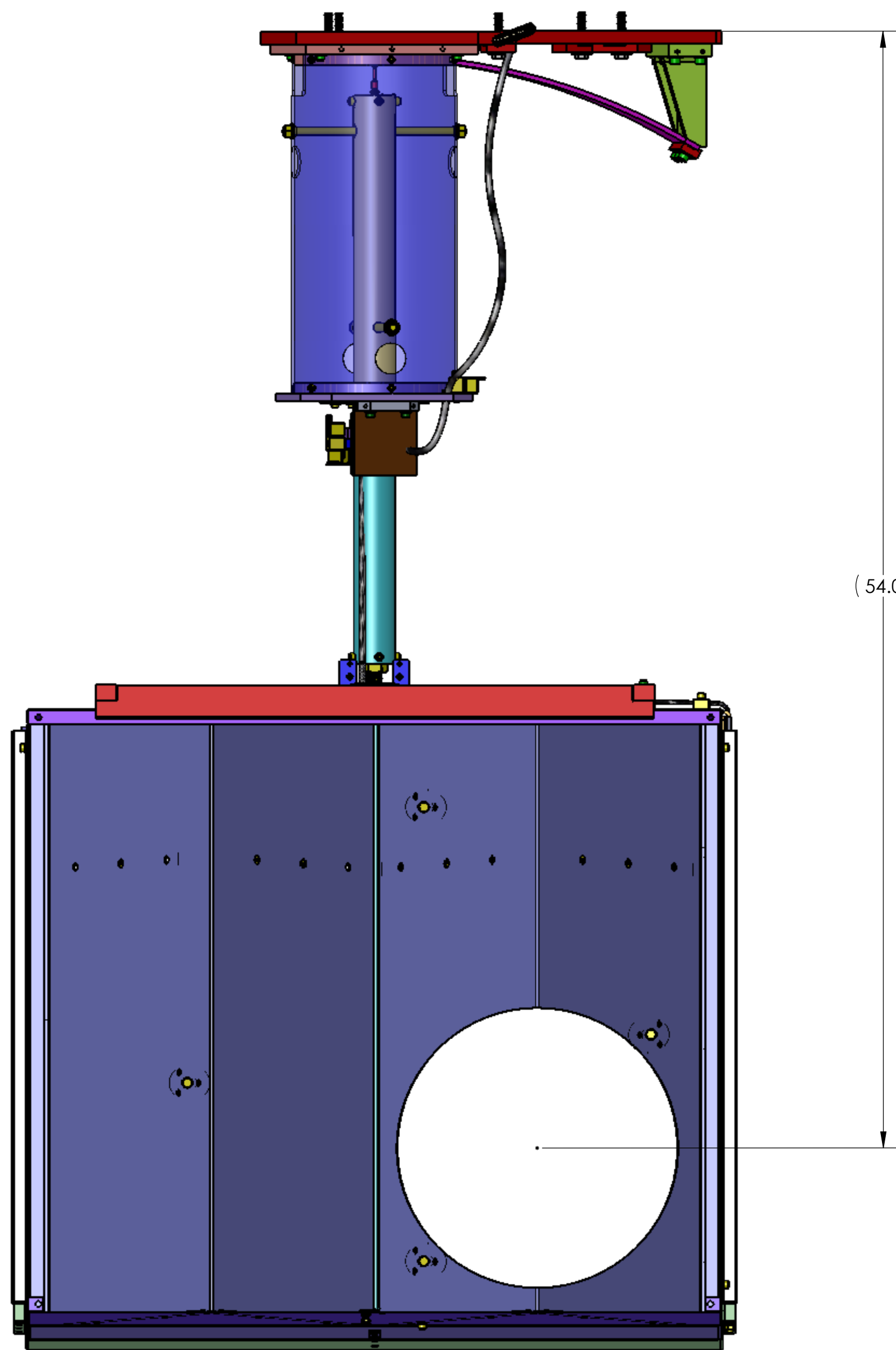
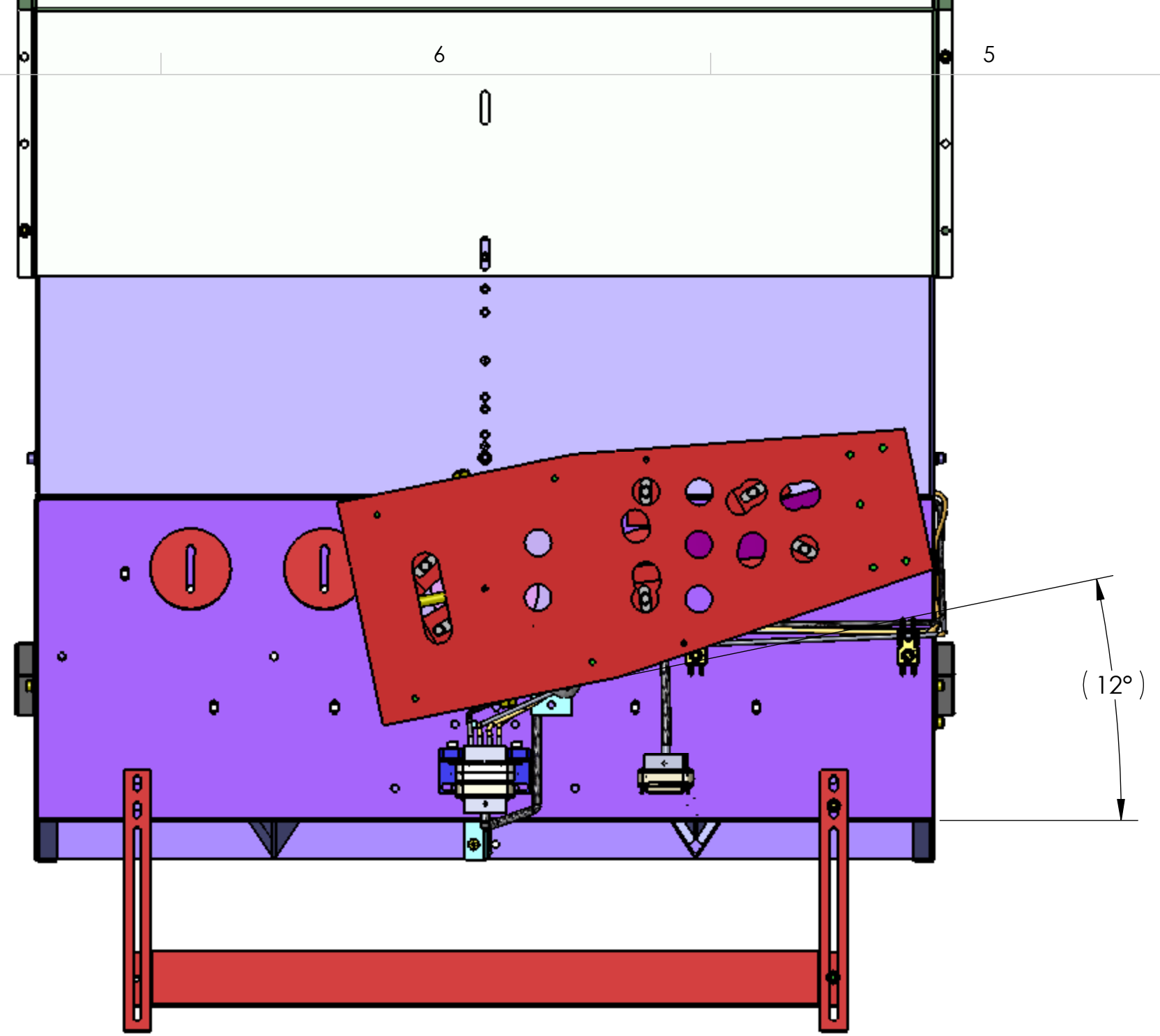
ASSEMBLY	ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	REQ	SPARE	TOTAL
D1002355-01 D1002355-02 D1002355-03 D1002355-04 D1002355-05 D1002355-06	20	D1003111	SLC PHOTODETECTOR CABLE LOWER ASSY	N/A	1		1
	19	D1003117	SLC PHOTODETECTOR CABLE UPPER ASSY	N/A	1		1
	18	D1001346-1	gLIGO, ASSY, CABLE BRACKET, HAM TABLE	N/A	1		1
	17	D0900004	UHV COMPATIBLE CABLE CLAMP	PEEK	30	4	34
	16	C-2020-NA	SCREW, SOCKET HEAD CAP, 1/4-20 UNC-2A X 1.25 LONG, UC COMP	Ag 18-8 SSSL	2	1	3
	15	D1100407	ACB ADJUSTABLE COUNTER WEIGHT	304 SSSL	1		1
	14	D1100372	ACB COUNTER WEIGHT	304 SSSL	2		2
	13	92240A632	HEX HD SCREW # 3/8-16X 2, McMASTER	18-8 SSSL	6	2	8
	12	N-2520-A	HEX NUT, 1/4-20, UC COMP	Ag 18-8 SSSL	19	10	29
	11	92200A544	SCREW, SOCKET HEAD CAP, 1/4-20 UNC-2A X 1.25 LONG, McMASTER	300 SSSL	19	9	28
	10	90313A203	WASHER, FLAT, 1/4 , McMASTER	18-8 SSSL	38	10	48
	9	93852A104	WASHER #3/8, McMASTER	18-8 SSSL	6	2	8
	8	D1001700	SLC INTERFACE MOUNTING CLAMP	304 SSSL	6		6
	7	98017A220	WASHER #3/4, McMASTER	300 SSSL	2	1	3
	6	N-7510-A	HEX NUT # 3/4-10, UC COMP	Ag 18-8 SSSL	2	1	3
	5	D1001186	SCREW #3/4-10 X 4_McMaster 92240A849	18-8 SSSL	1		1
	4	D1001826	SLC ACB BALANCING WEIGHT	304 SSSL	4		4
3	D1002173	ARM CAVITY BAFFLE HINGE ASSY	N/A	1		1	
2	D1001011	ARM CAVITY BAFFLE ASSY	N/A	1		1	
D1002355-01/-05	1	D1002356-01/-05	ACB 1 HOLE RIGHT QPD BOX ASSY	N/A	1		1
D1002355-02/-06		D1002356-02/-06	ACB 1 HOLE LEFT QPD BOX ASSY	N/A	1		1
D1002355-03		D1002356-03	ACB 1 HOLE RIGHT NO QPD BOX ASSY	N/A	1		1
D1002355-04		D1002356-04	ACB 1 HOLE LEFT NO QPD BOX ASSY	N/A	1		1

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)	
1. INTERPRET DRAWING PER ASME Y14.5-1994. 2. REMOVE ALL SHARP EDGES, R.02 MIN. 3. DO NOT SCALE FROM DRAWING. 4. ALL MACHINING FLUIDS MUST BE FULLY SYNTHETIC, FULLY WATER SOLUBLE AND FREE OF SULFUR, SILICONE, AND CHLORINE.	
DIMENSIONS ARE IN INCHES	
TOLERANCES: .XX ± .XXX ±	
ANGULAR ± °	
MATERIAL	N/A
FINISH	N/A

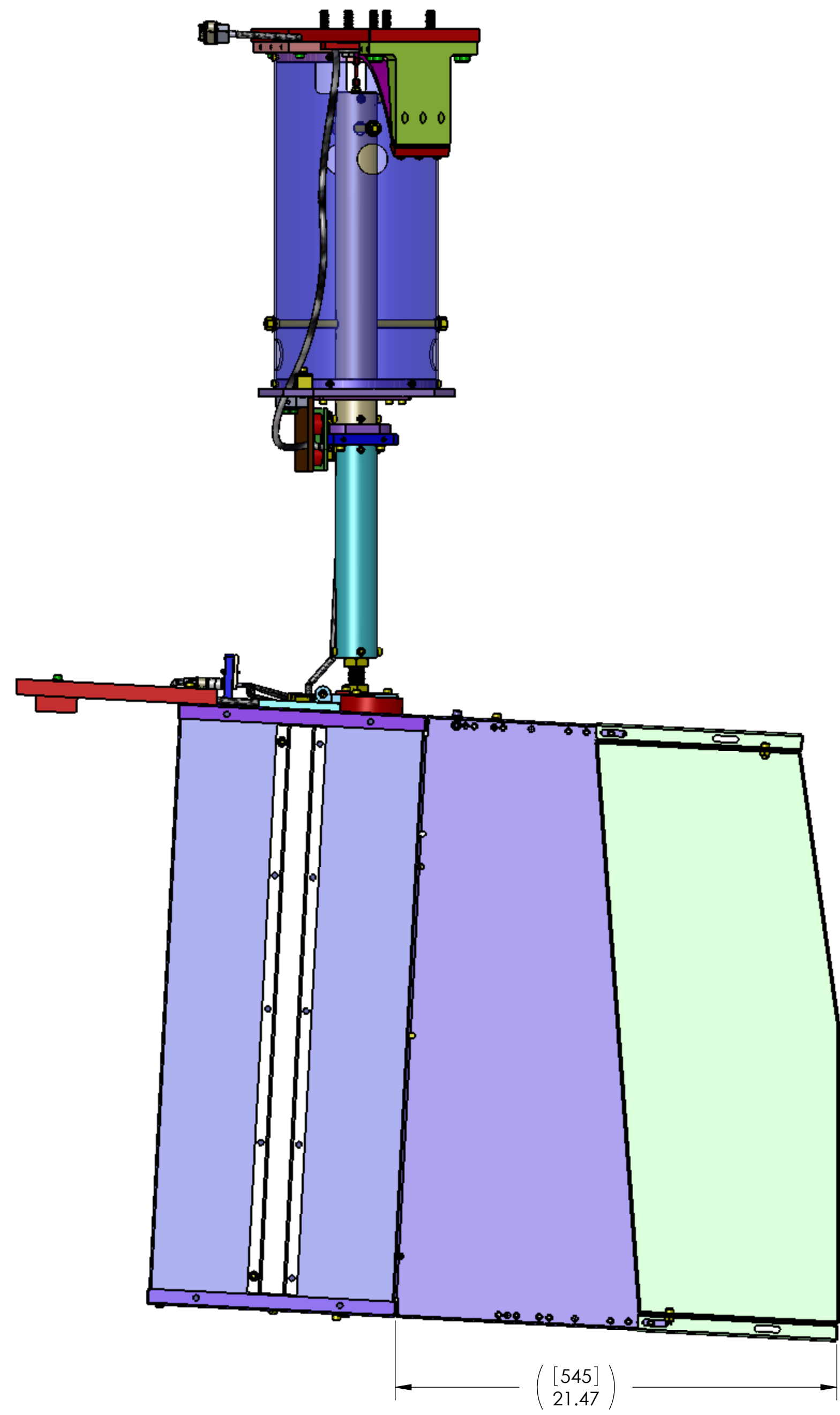
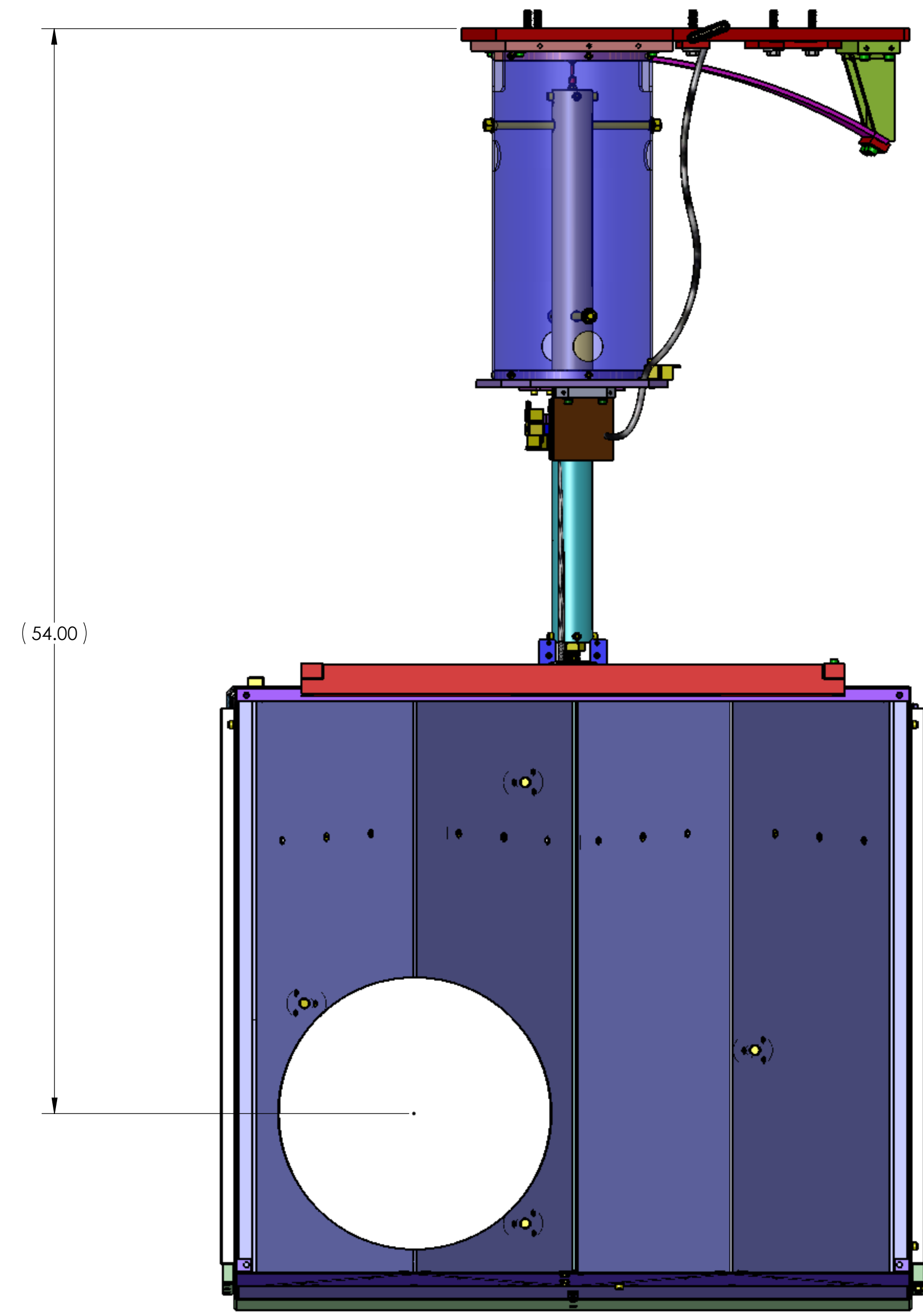
CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		PART NAME <h3>ACB 1 HOLE</h3>	
SYSTEM ADVANCED LIGO	SUB-SYSTEM AOS	DESIGNER N.Nguyen 10 DEC 2010	SIZE DWG. NO. D D1002355
DRAFTER M. SMITH 01 DEC 2010	CHECKER M. SMITH 10 DEC 2010	APPROVAL D. COYNE 20 DEC 2010	REV. v2
NEXT ASSY SEE CHART		SCALE: 1:8	PROJECTION:
			SHEET 1 OF 7

D1002355_AdvLIGO_AOS_SLC ARM Cavity Baffle 1 Hole Final Assy PART PDM REV: X.034 DRAWING PDM REV: X.027

**D1002355-01 (BSC1-L1)
ACB 1 HOLE RIGHT-PD**



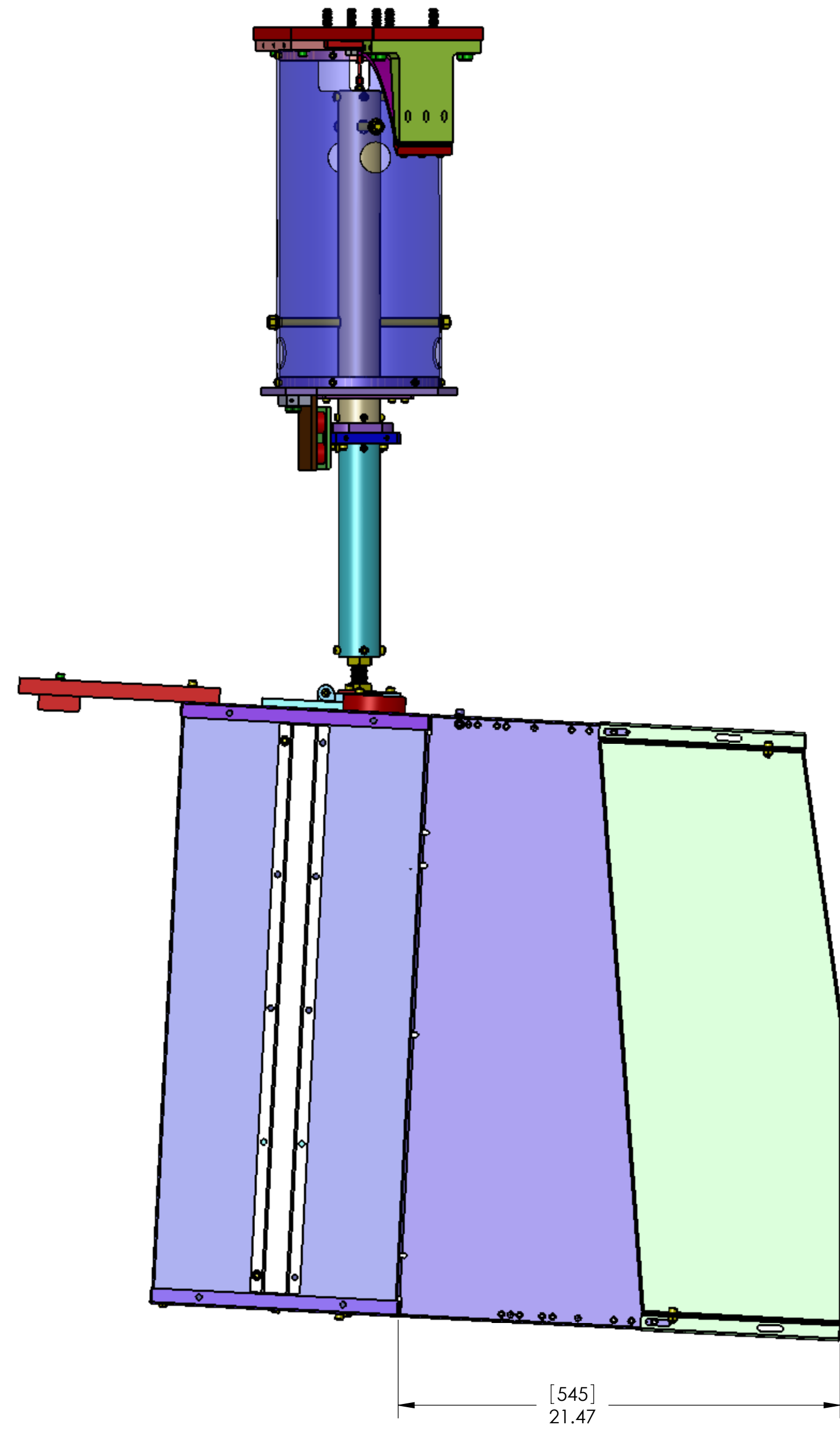
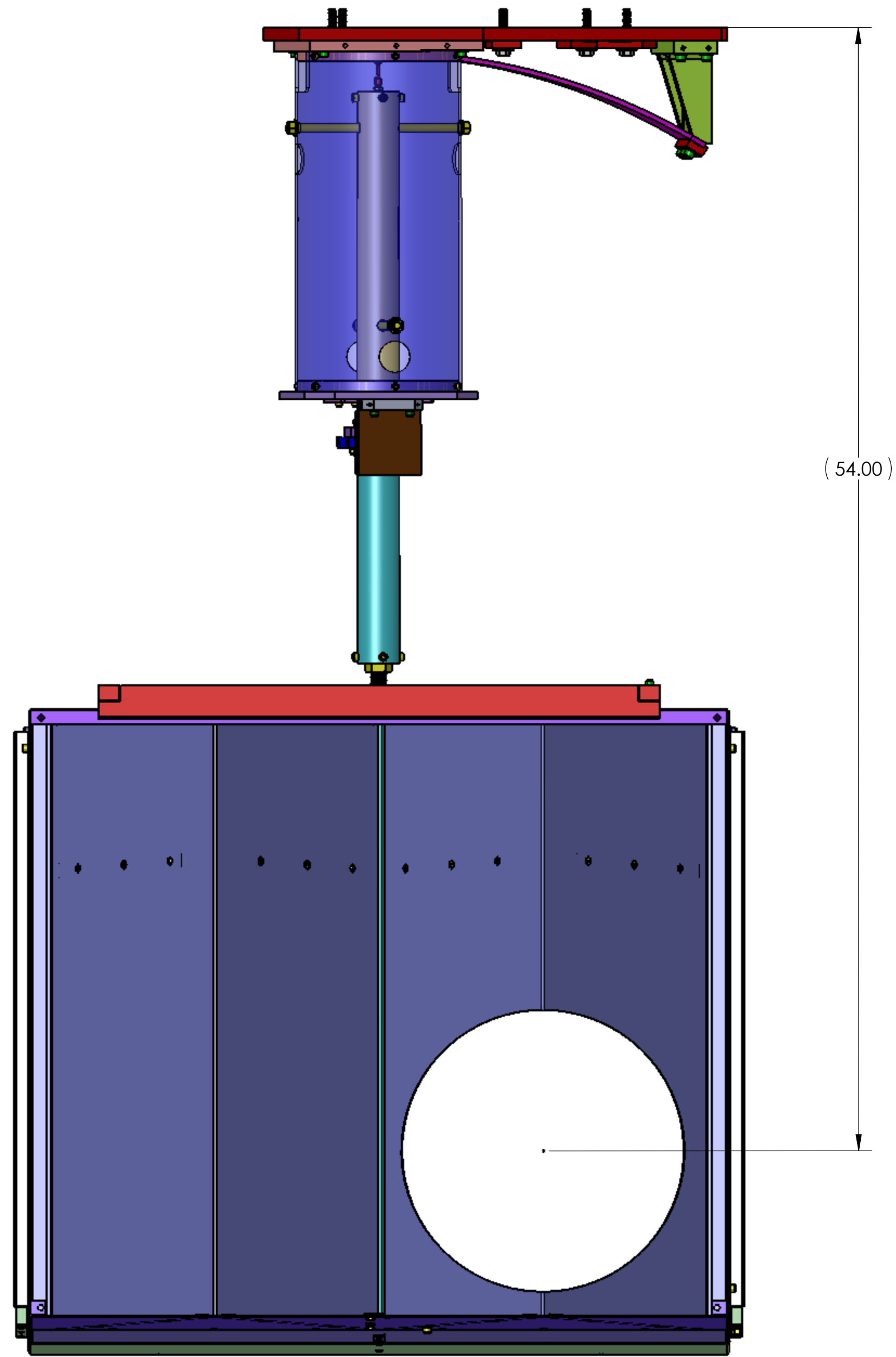
D1002355_01.LGO_ACS_SLC_ARM_Cavity_Baffle_1 Hole Final Assy_PART PDM_REV-X.034_DRAWING_PDM_REV-X.027



**D1002355-02 (BSC3-L1)
ACB 1 HOLE LEFT-PD**

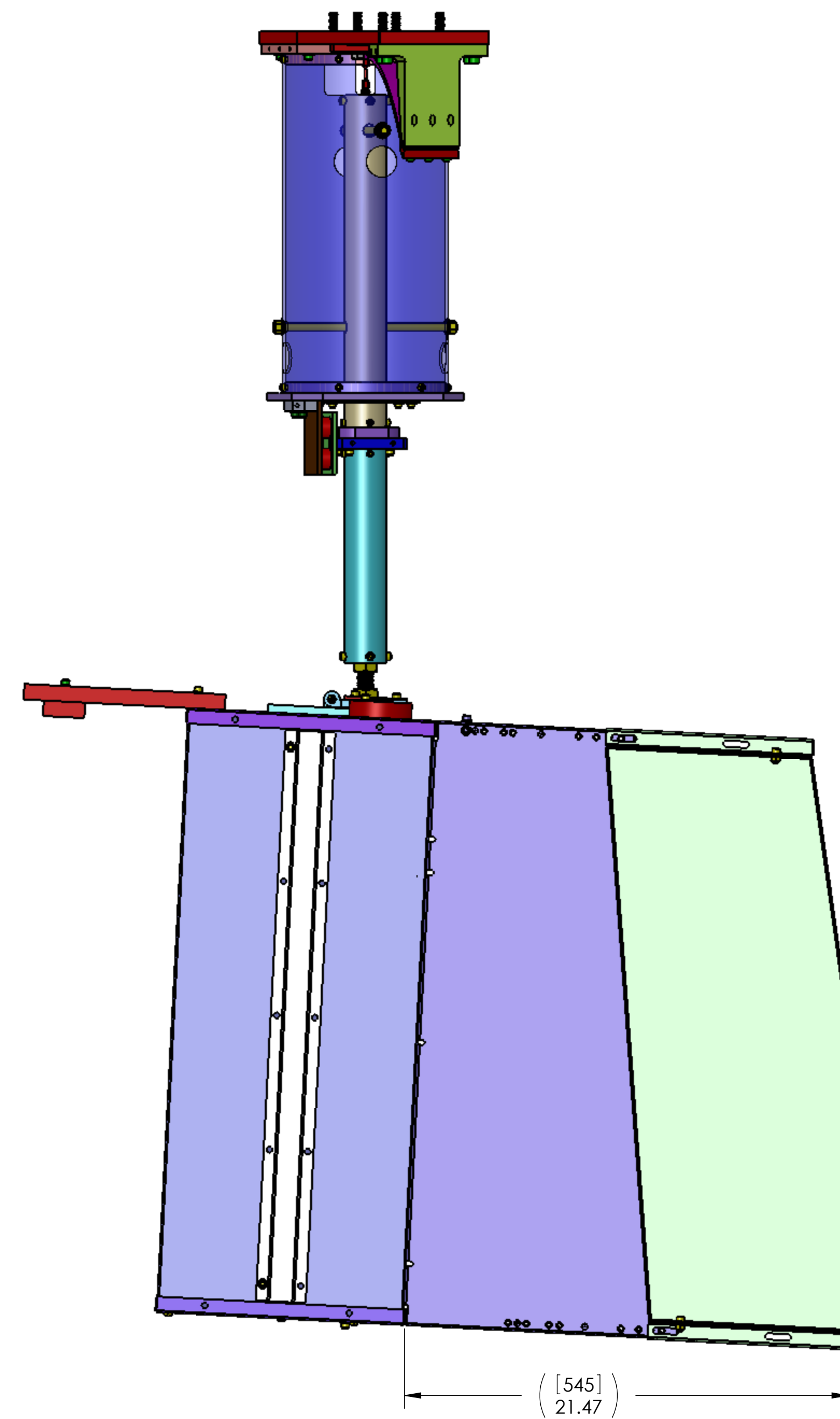
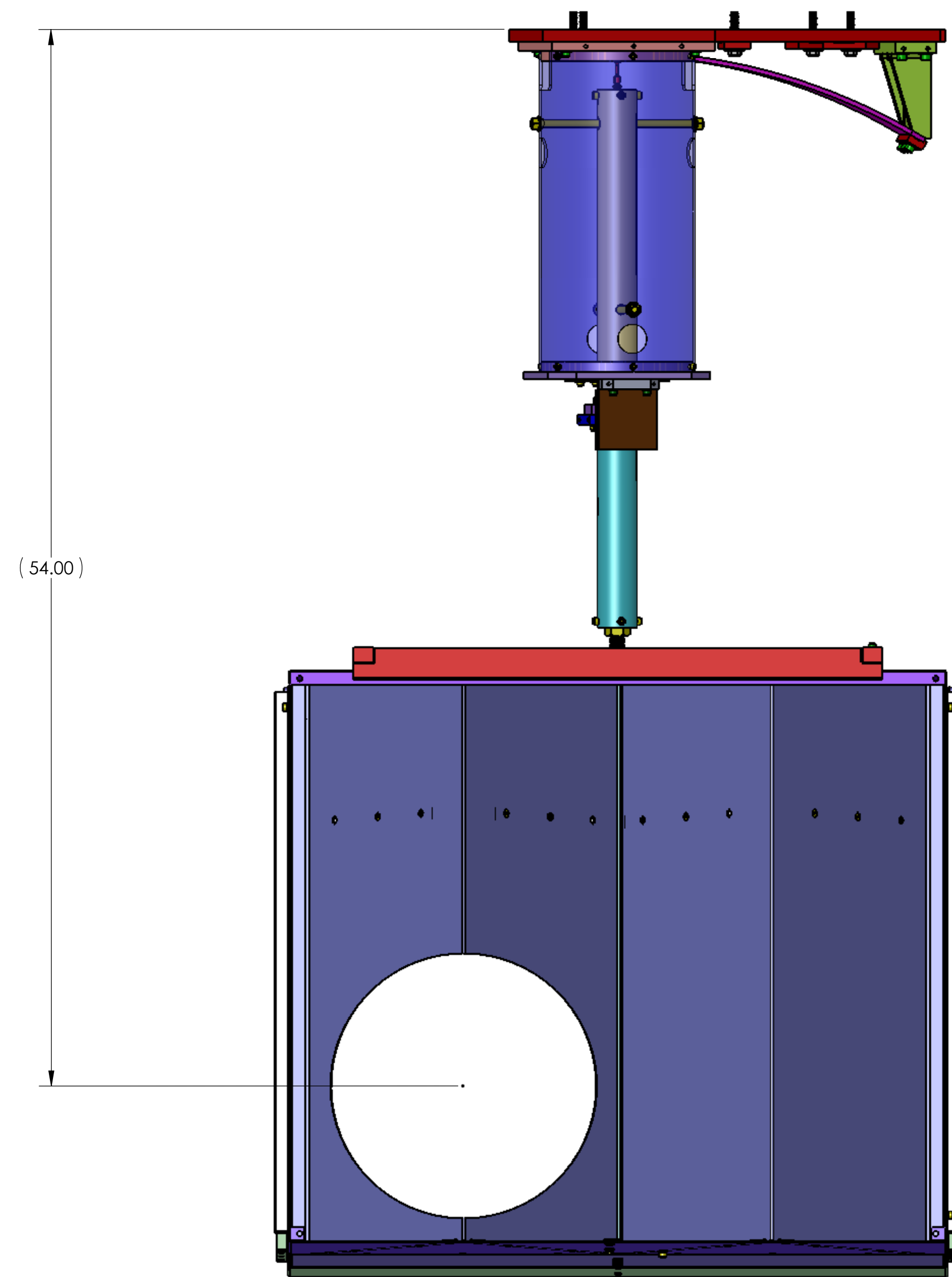
 CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		REV.
SIZE	DWG. NO.	REV.
D	D1002355	v2
SCALE: 1:5	PROJECTION:	SHEET 3 OF 7

D1002355_02.ACIS_SIC_ARM_Covily_Bottle_1 Hole Final Assy_PART PDM_REV-X.034_DRAWING_PDM_REV-X.027



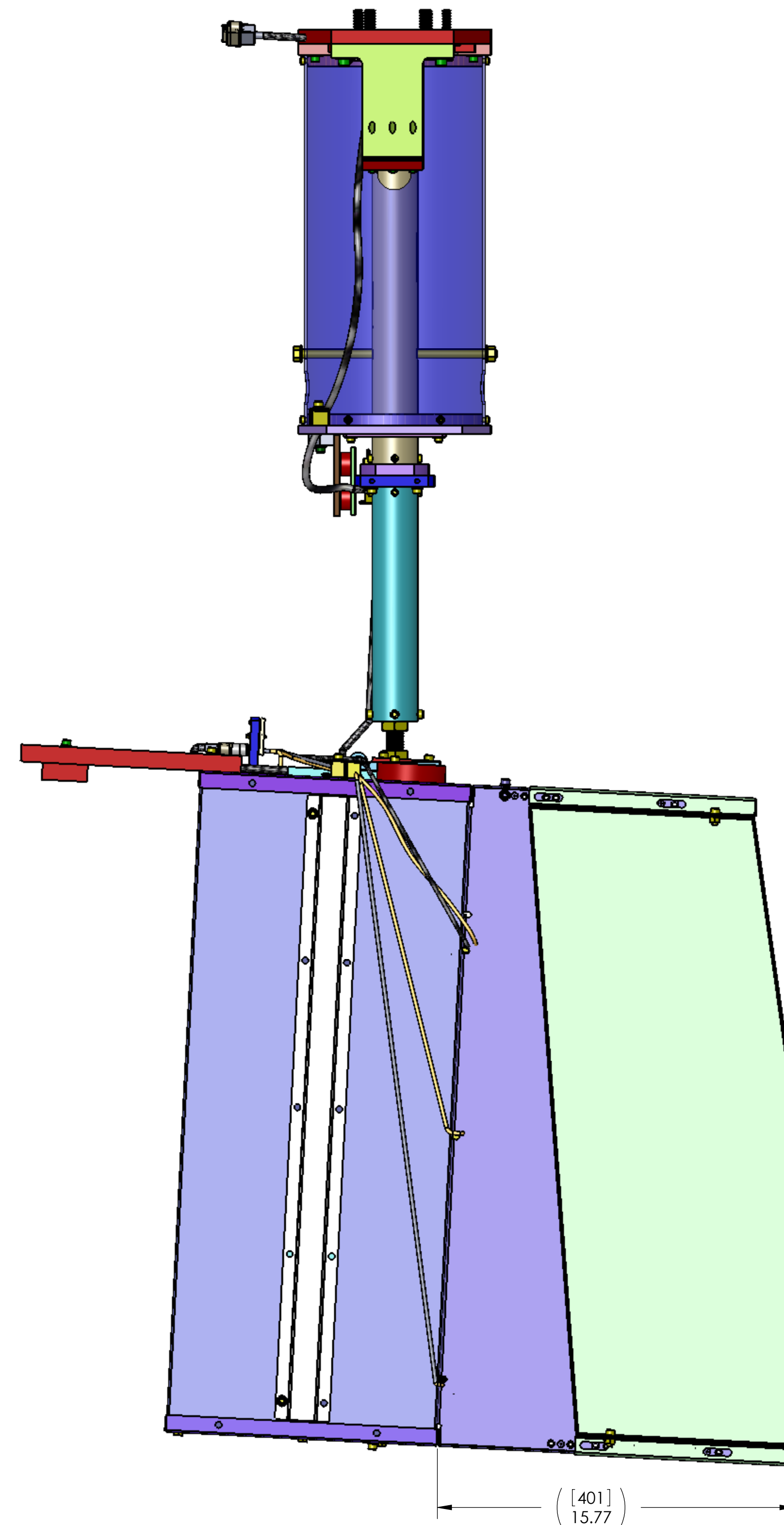
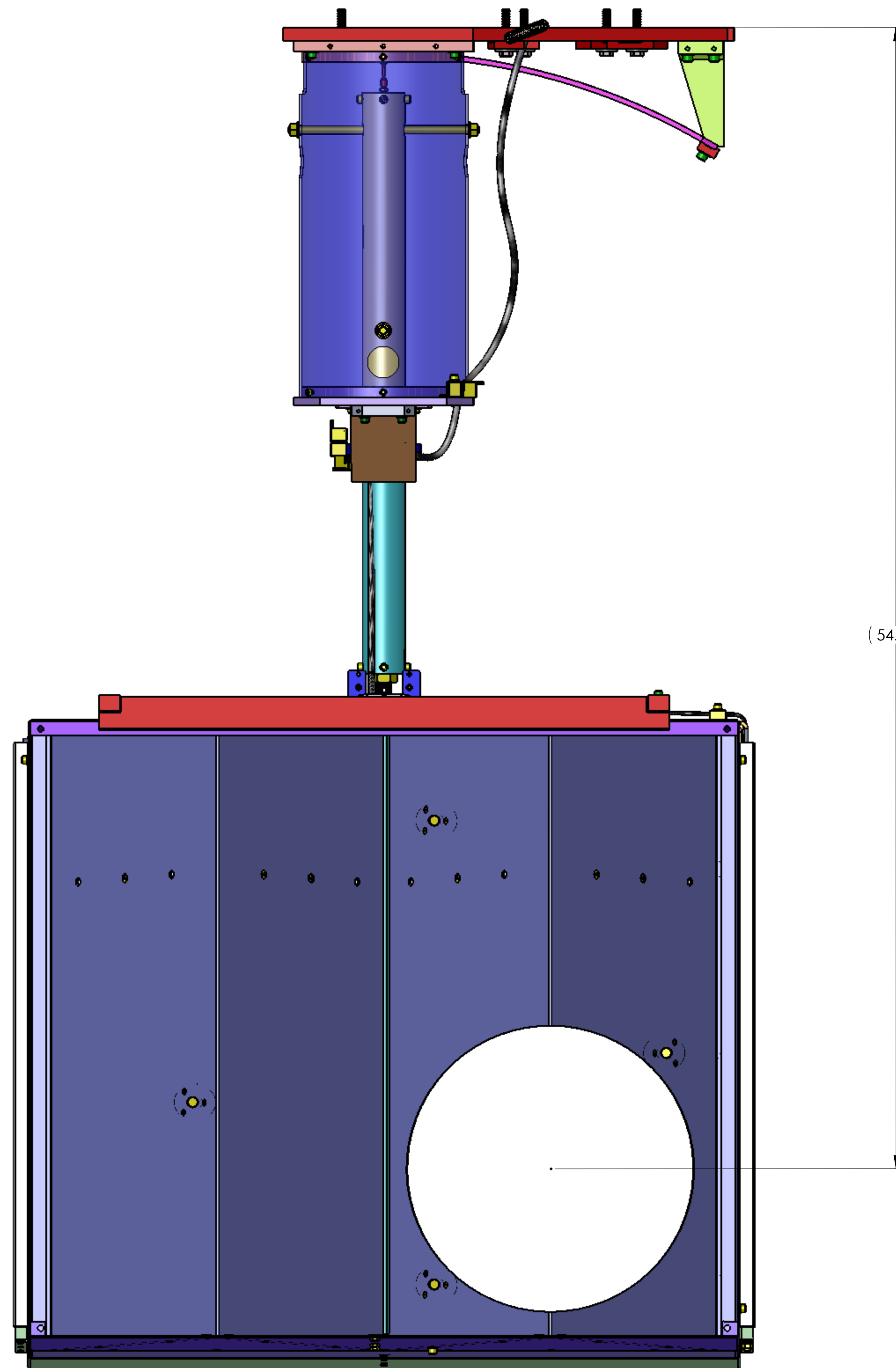
**D1002355-03 (BSC1-H1)
ACB 1 HOLE RIGHT-NO PD**

D1002355_AduLIGO_ACS_SLC_ARM_Covily_Bottle_1_Hole_Final_Assy_PRT_PDM_REV-X-034_DRAWING_PDM_REV-X-027



**D1002355-04 (BSC3-H1)
ACB 1 HOLE LEFT-NO PD**

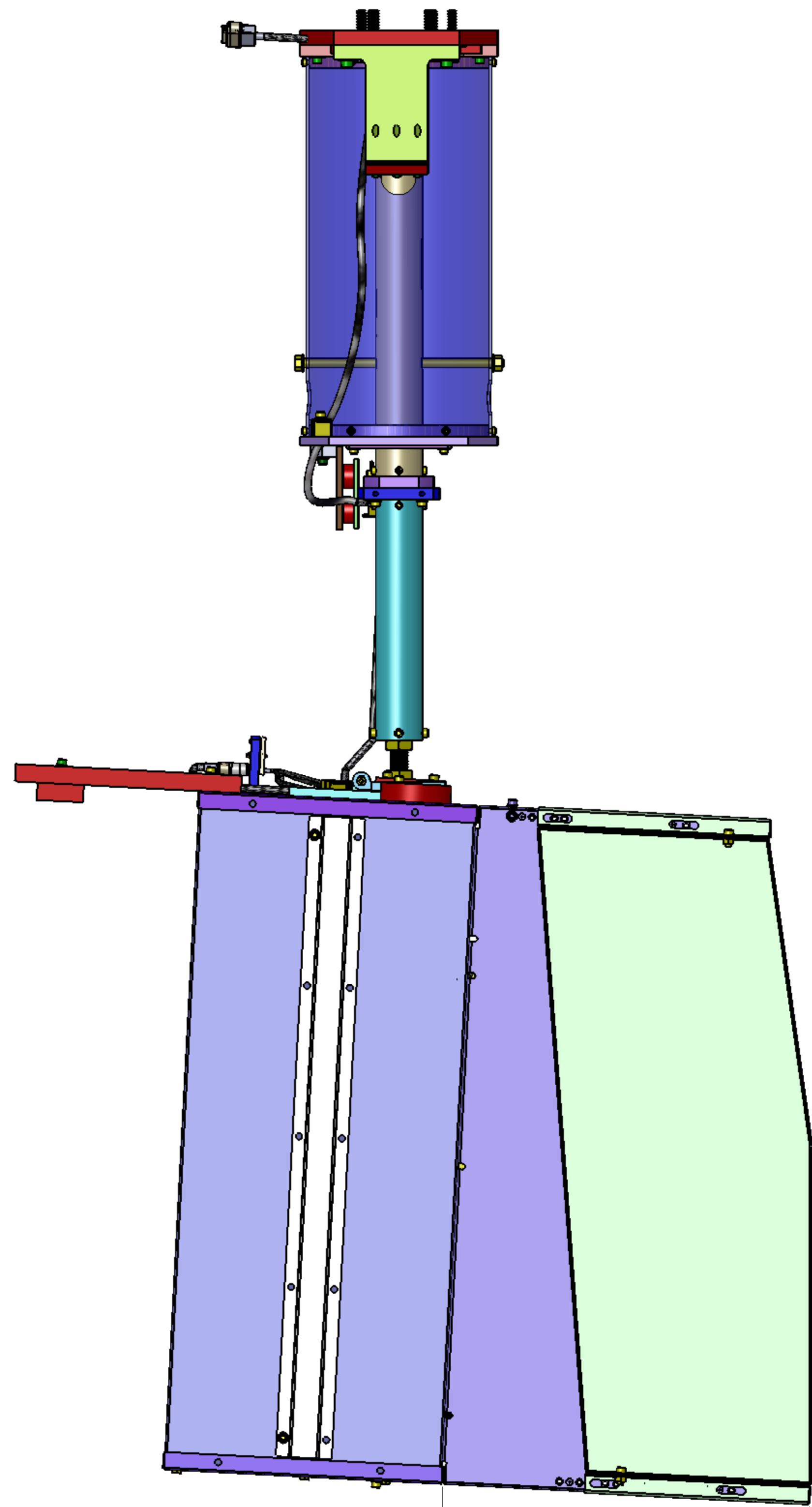
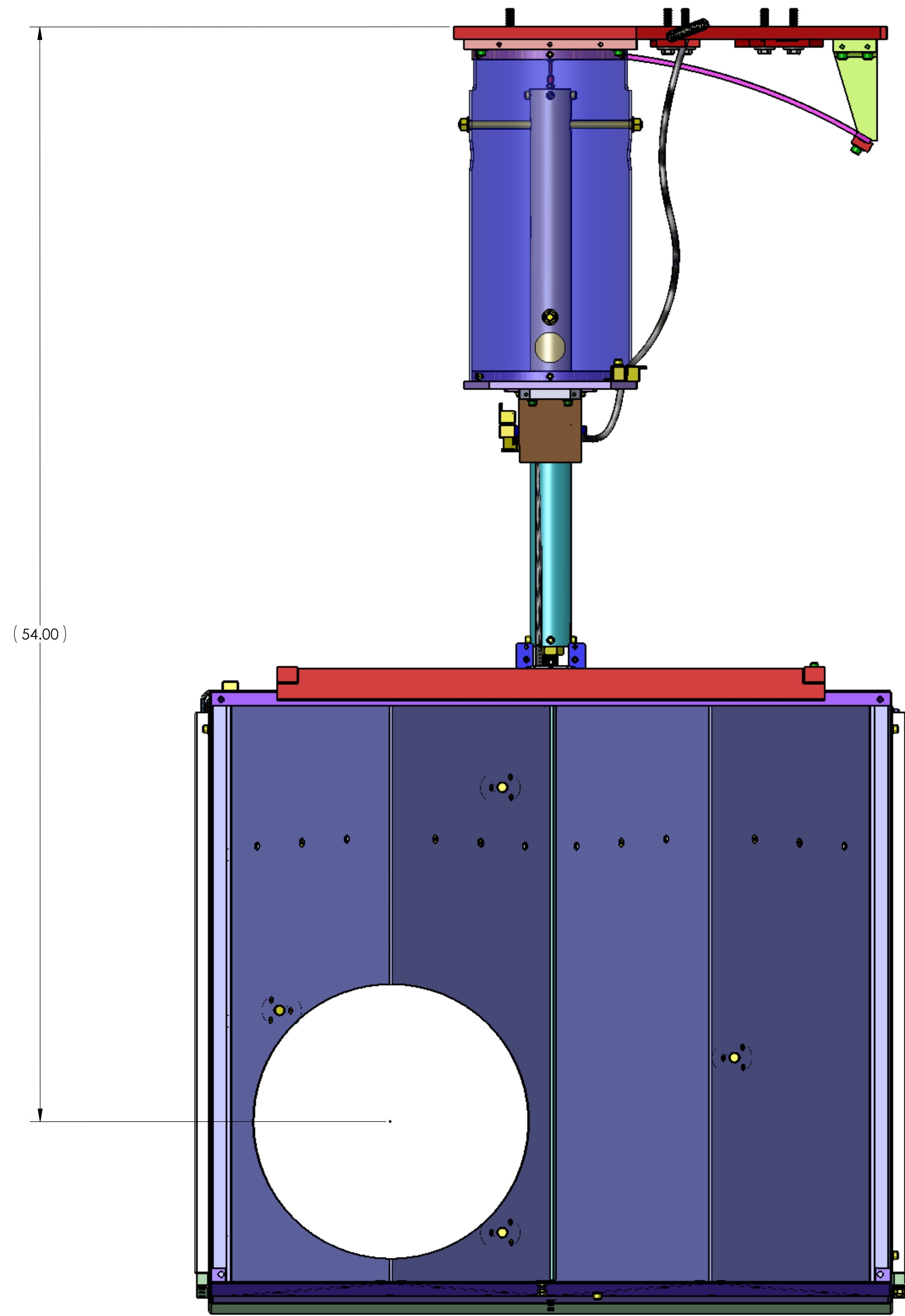
D1002355-04 ACB 1 Hole Final Assy: PART PDM REV: X.034, DRAWING PDM REV: X.027




D1002355-05 (BSC4-L1)
ACB 1 HOLE RIGHT-PD

 CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		REV.
SIZE	DWG. NO.	REV.
D	D1002355	v2
SCALE: 1:12	PROJECTION:	SHEET 6 OF 7

D1002355_AduIGO_ACS_SLC_ARM_Covily_Bottle_1 Hole Right-PD Assy PART PDM REV: X.034 DRAWING PDM REV: X.027



**D1002355-06 (BSC5-L1)
ACB 1 HOLE LEFT-PD**

 CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		REV.
SIZE	DWG. NO.	REV.
D	D1002355	v2
SCALE: 1:12	PROJECTION:	SHEET 7 OF 7

D1002355_06.ACIS_SOLIDWORKS_PDF_PDM_REV_X034_DRAWING_PDM_REV_X027