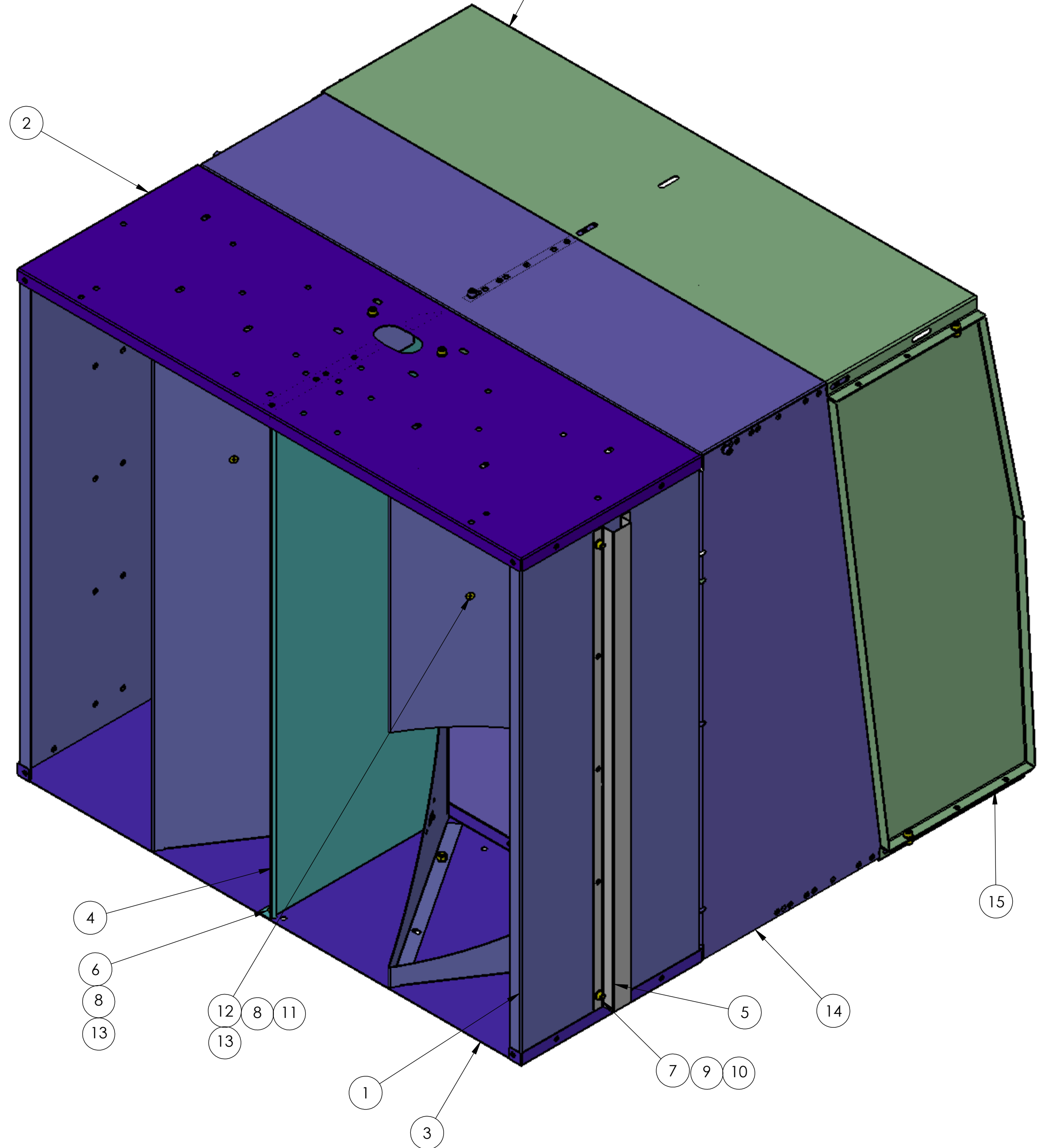


NOTES CONTINUED:

1. ALL SHEET METAL PARTS WILL BE ASSEMBLED AND INSPECTED FOR HOLE ALIGNMENTS AS SHOWN BY MANUFACTURING.
2. DISMANTLE THE UNIT AND SHIP TO PORCELAIN ENAMELING.

REV.	DATE	DCN #	DRAWING TREE #
v1	16 DEC 2010	-	-
v2	10 MAR 2011	E1100216	SEE CHART
-	-	-	-



ASSY PART NUMBER	ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	QTY.	SPARE	TOTAL
D1002356-01 D1002356-02 D1002356-03 D1002356-04 D1002356-05 D1002356-06	15	D1100359	ACB ADJUSTABLE EXTENDER SHELF ASSY	N/A	1		1
	14	D1100391	ACB SHELF ASSY	N/A	1		1
	13	90313A200	WASHER, FLAT, #10 (NAS 620-C10 McMASTER	18-8 SSTL	30	15	45
	12	92210A999	FLAT HD SHCS #10-24 UNDERCUT, McMaster	18-8 S/S	12	6	18
	11	D1001365	ARM Baffle MIDDLE REINFORCING PLATE	Enamel A424 Type I	2		2
	10	90313A204	WASHER, FLAT, 1/4 , McMASTER	18-8 SSTL	225	112	337
	9	N-2520-A	HEX NUT, 1/4-20, SILVER PLATE, UC COMP.	18-8 S/S	75	37	112
	8	N-1024-A	HEX NUT, #10-24, SILVER PLATE, UC COMP.	18-8 S/S	15	7	22
	7	92200A537	SCREW, SOCKET HEAD CAP, 0.25-20 UNC-2A X 0.5 LONG, McMASTER	300 S/S	75	37	112
	6	92210A236	FLAT HD SHCS #10-24 X.25, UNDERCUT, McMASTER	18-8 SSTL	3	2	5
	5	D1001363	ACB SIDE REINFORCING HATSECTION	Enamel Steel A424 Type I	2		2
	4	D1000976	ARM CAVITY Baffle CTR SKIN	Enamel Steel A424 Type I	1		1
	3	D1000975	ARM CAVITY Baffle BTM SKIN	Enamel Steel A424 Type I	1		1
	2	D1000974	ARM CAVITY Baffle TOP SKIN	Enamel Steel A424 Type I	1		1
	D1002356-01/-05	1	D1002357-01	ACB 1 HOLE RIGHT-QPD SKIN	ENAMEL STL A424 TYPE I	1	
D1002356-02/-06	D1002357-02		ACB 1 HOLE LEFT QPD SKIN	Enamel Steel A424 Type I	1		1
D1002356-03	D1002357-03		ACB 1 HOLE RIGHT NO QPD SKIN	Enamel Steel A424 Type I	1		1
D1002356-04	D1002357-04		ACB 1 HOLE LEFT NO QPD SKIN	Enamel Steel A424 Type I	1		1

PART NUMBER	DESCRIPTION	CHAMBER	DRAWING TREE
D1002356-01	ACB 1 HOLE RIGHT QPD BOX ASSY	BSC1-L1	E1100008-v2
D1002356-02	ACB 1 HOLE LEFT QPD BOX ASSY	BSC3-L1	E1100009-v2
D1002356-03	ACB 1 HOLE RIGHT NO QPD BOX ASSY	BSC1-H1	E1100010-v2
D1002356-04	ACB 1 HOLE LEFT NO QPD BOX ASSY	BSC3-H1	E1100011-v2
D1002356-05	ACB 1 HOLE RIGHT QPD BOX ASSY	BSC4-L1	E1100008-v2
D1002356-06	ACB 1 HOLE LEFT QPD BOX ASSY	BSC5-L1	E1100009-v2

PARTS LIST

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

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.

MATERIAL BOM FINISH N/A NEXT ASSY D1002355

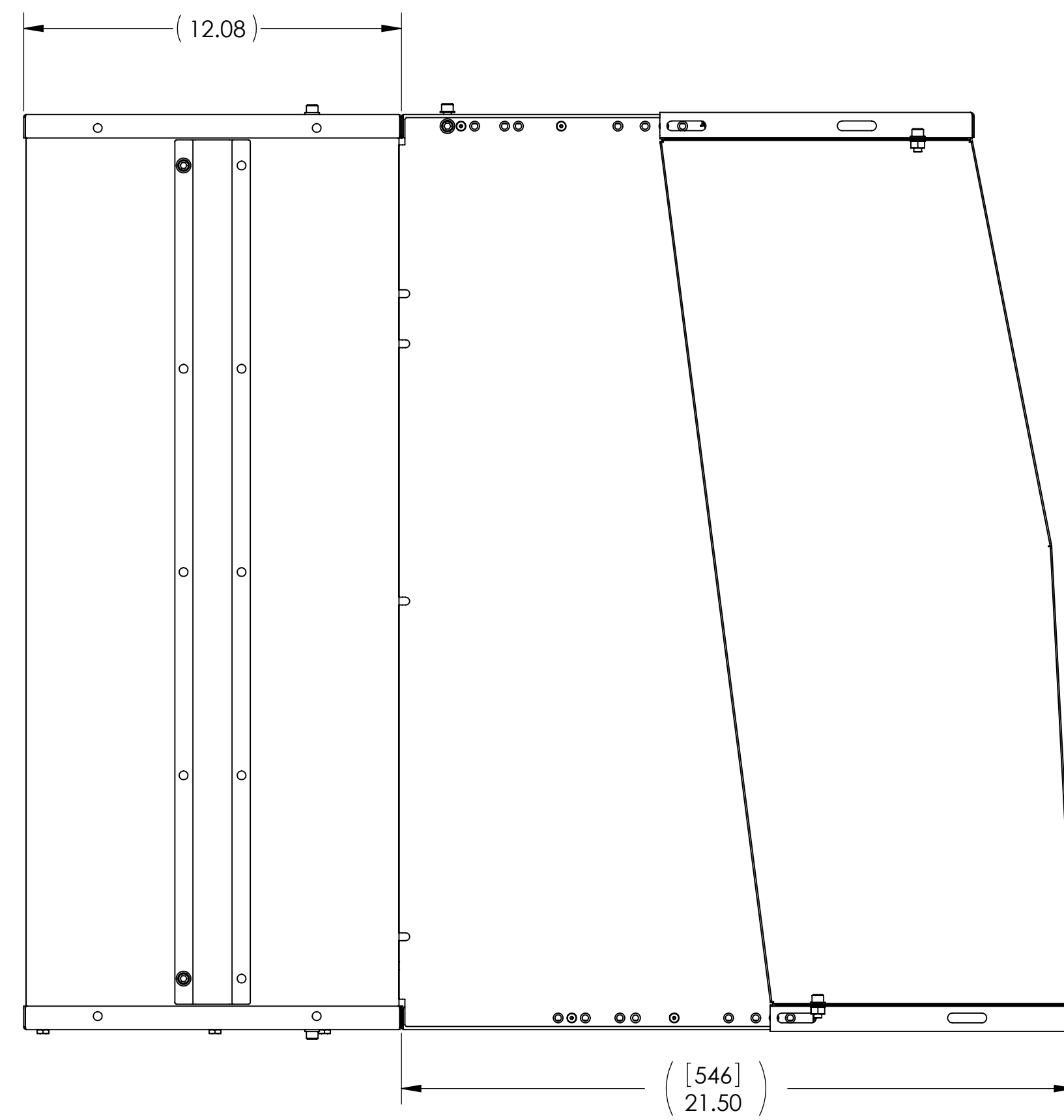
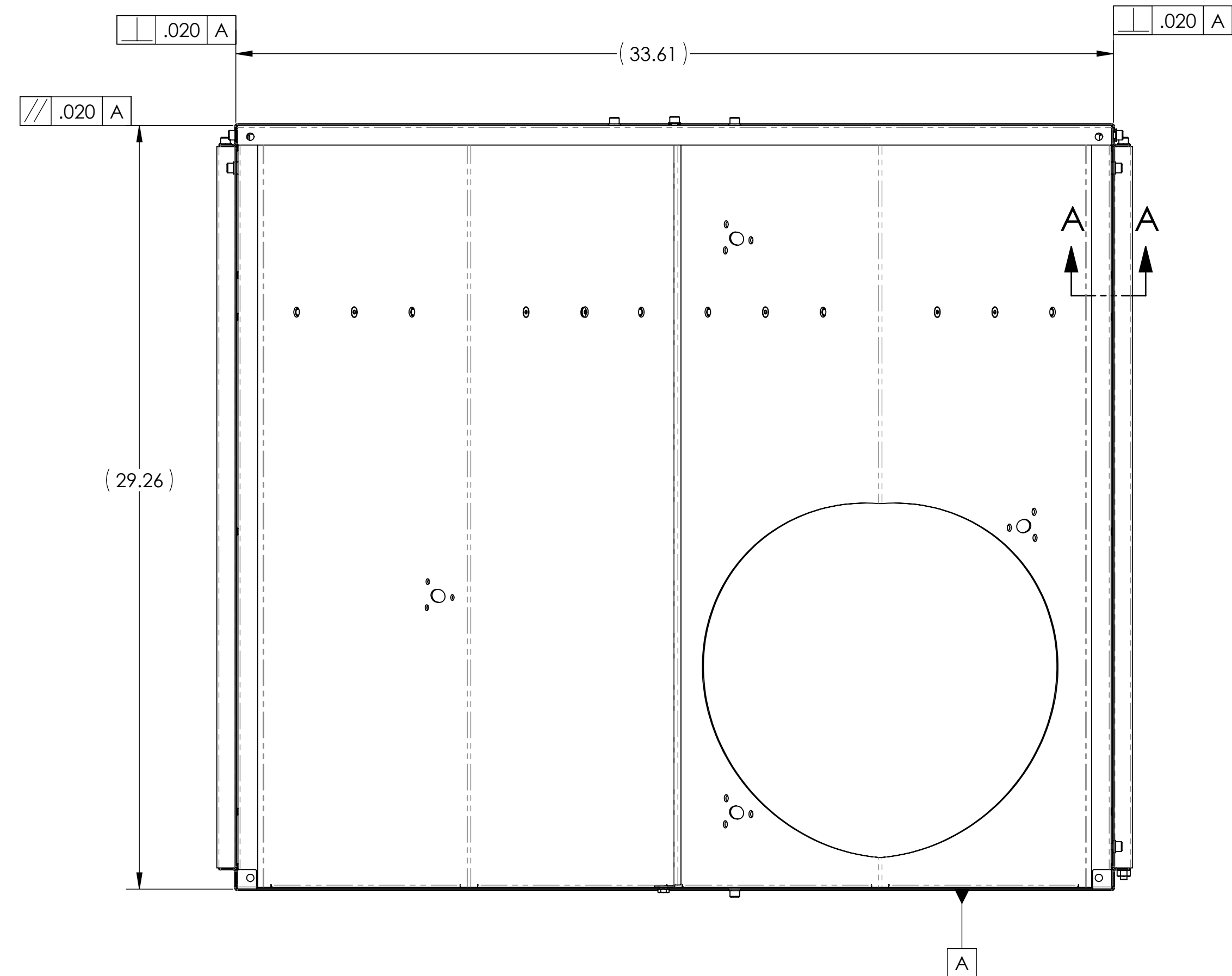
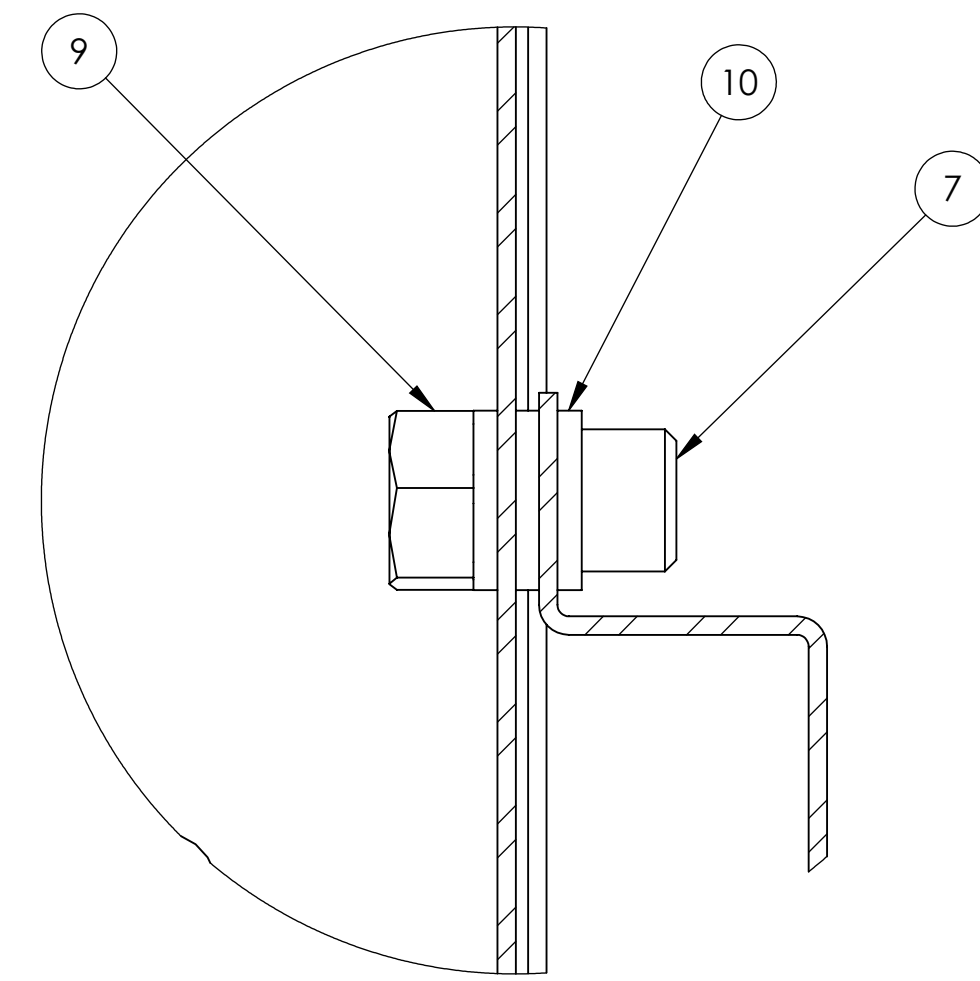
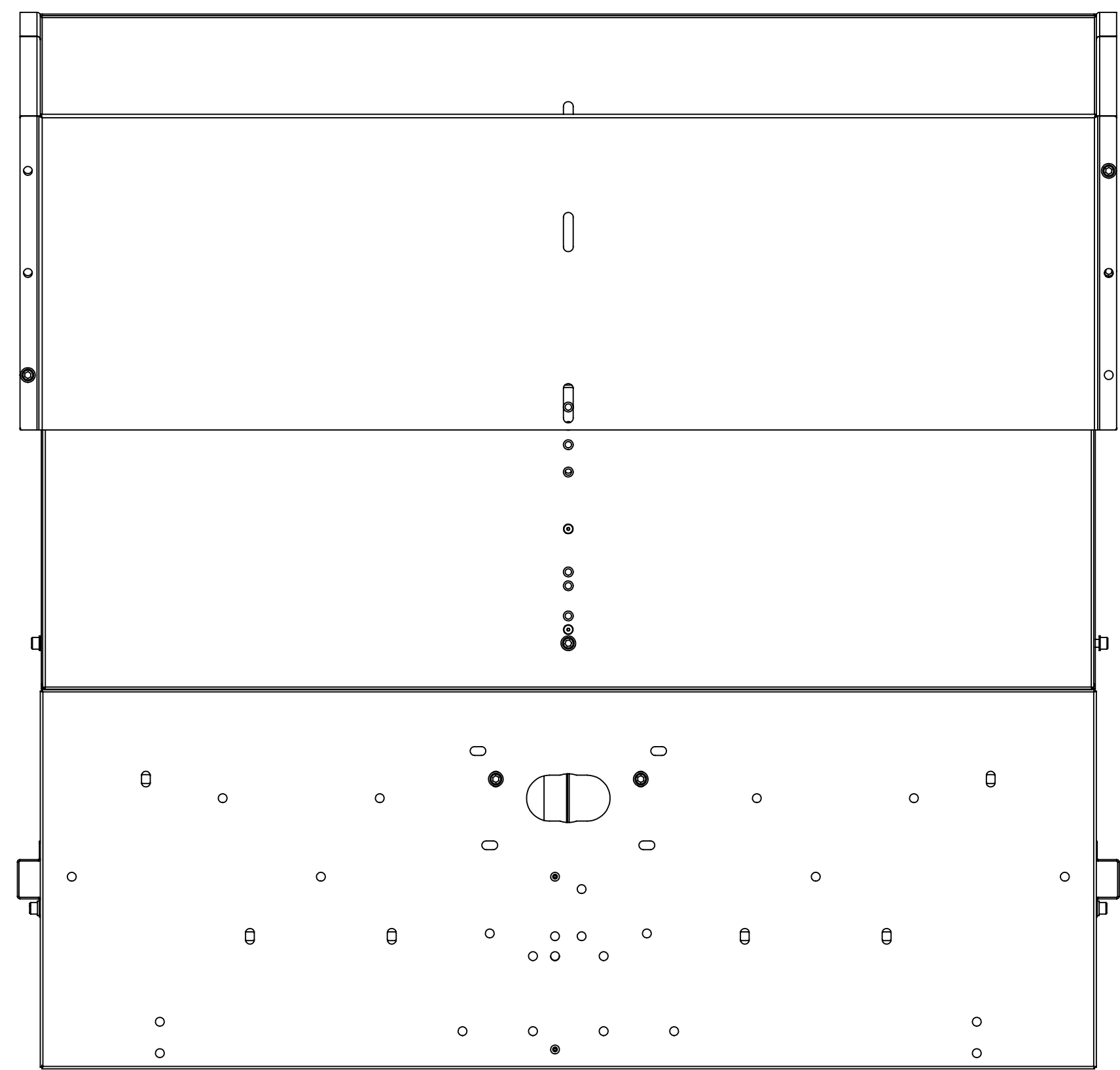
LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY

SYSTEM ADVANCED LIGO SUB-SYSTEM AOS


PART NAME ACB 1 HOLE BOX ASSY

DESIGNER	N.Nguyen	01 Jun 2010	SIZE	DWG. NO.	REV.
DRAFTER	N.Nguyen	01 DEC 2010	D	D1002356	v2
CHECKER	M. Smith	10 DEC 2010			
APPROVAL	D. Coyne	20 DEC 2010	SCALE: 1:1	PROJECTION:	SHEET 1 OF 7

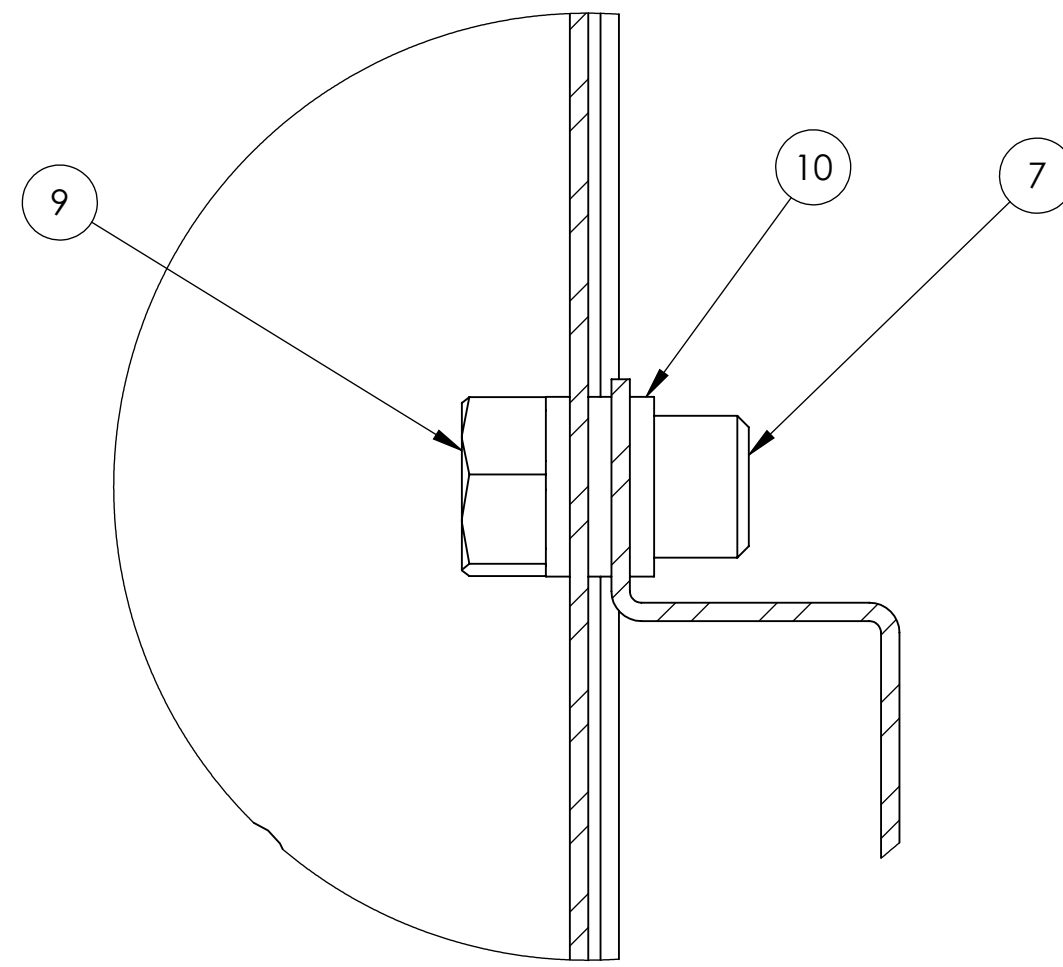
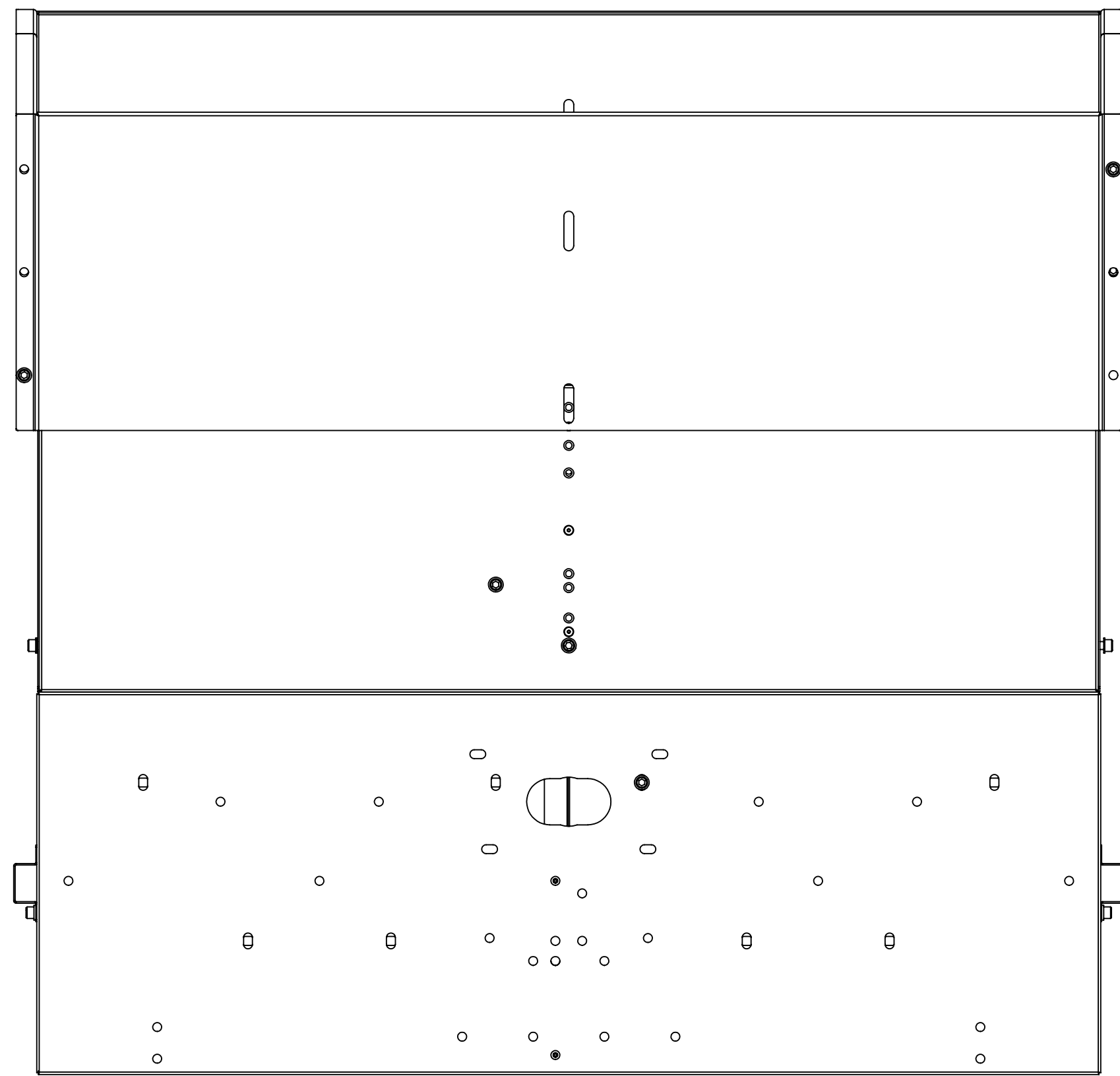
D1002356-01 ACB 1 Hole Box Assy - Part From Rev. X-024, Drawing PDM Rev. X-014



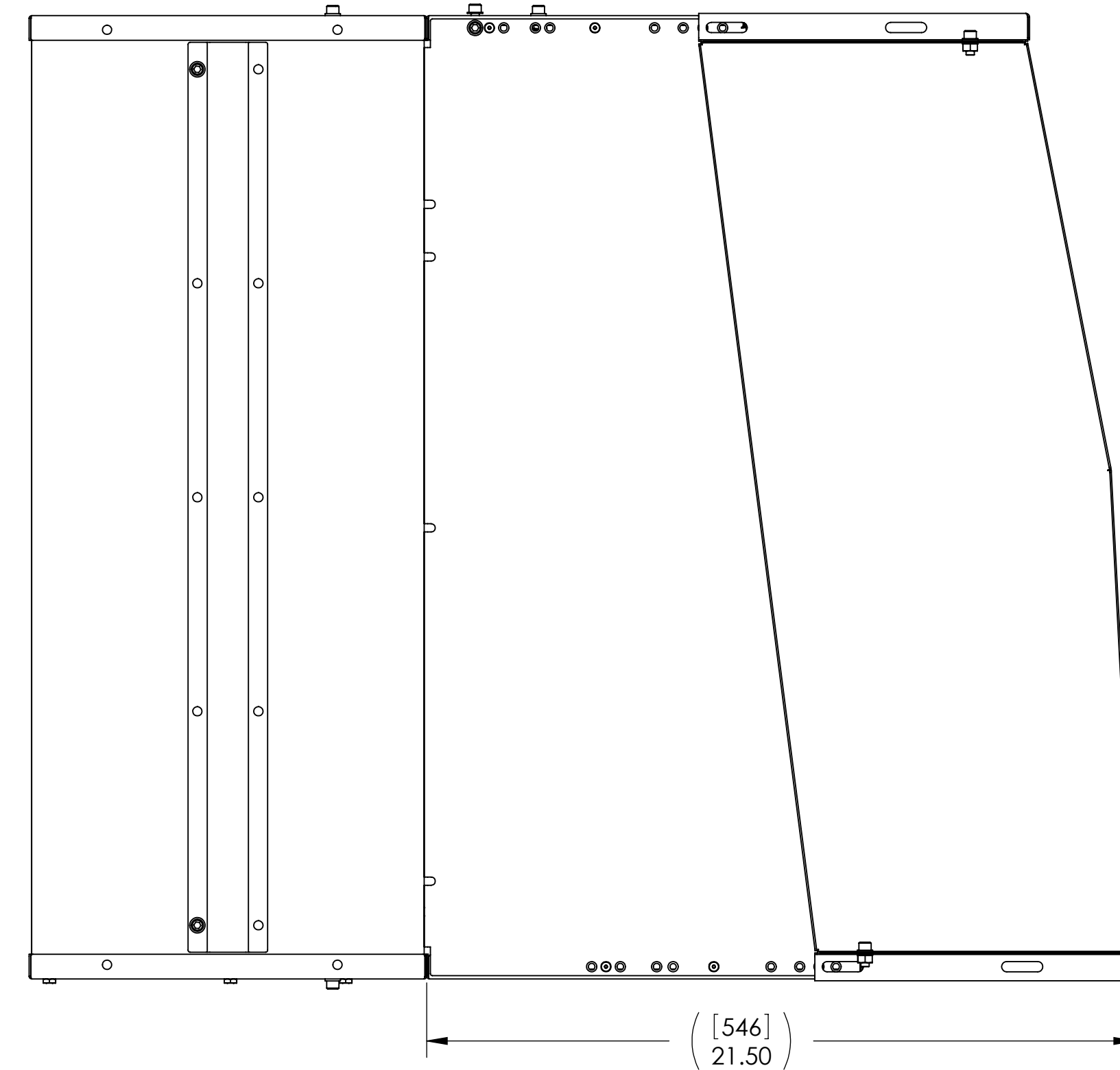
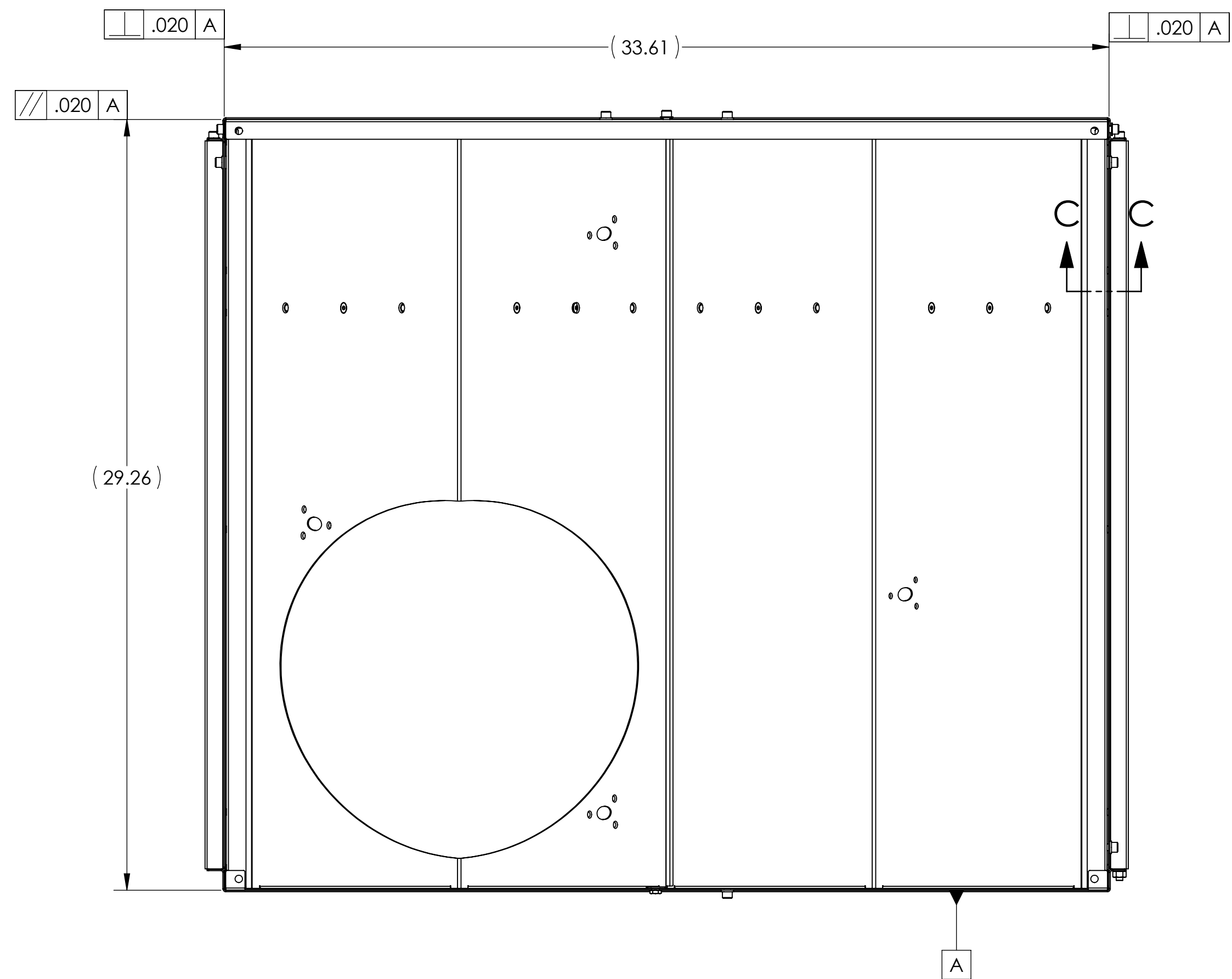
D1002356-01
ACB 1 HOLE RIGHT-QPD BOX ASSY

 CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		REV.
SIZE DWG. NO.	D1002356	v2
SCALE: 1:1	PROJECTION:	SHEET 2 OF 7

D1002356-01 ACB 1 Hole Right-QPD Box Assy PART PDM REV: X-024 DRAWING PDM REV: X-014



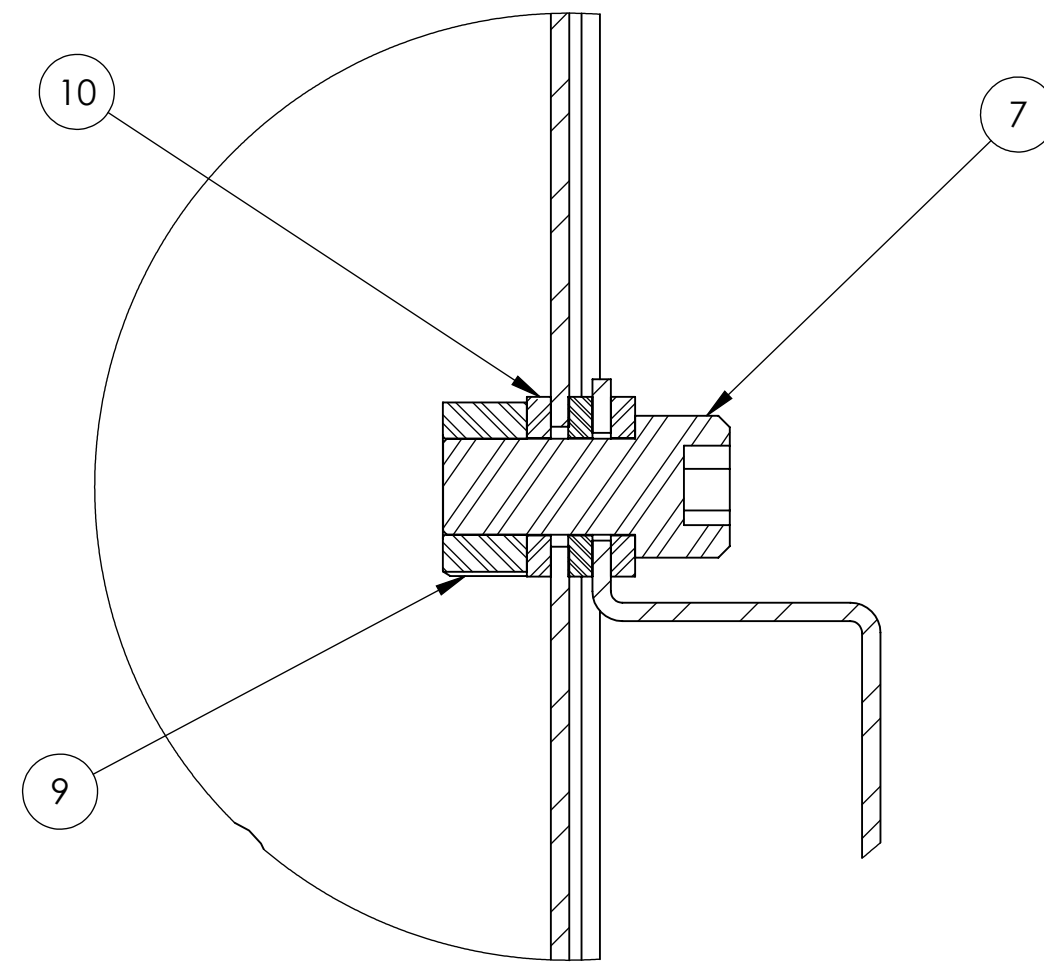
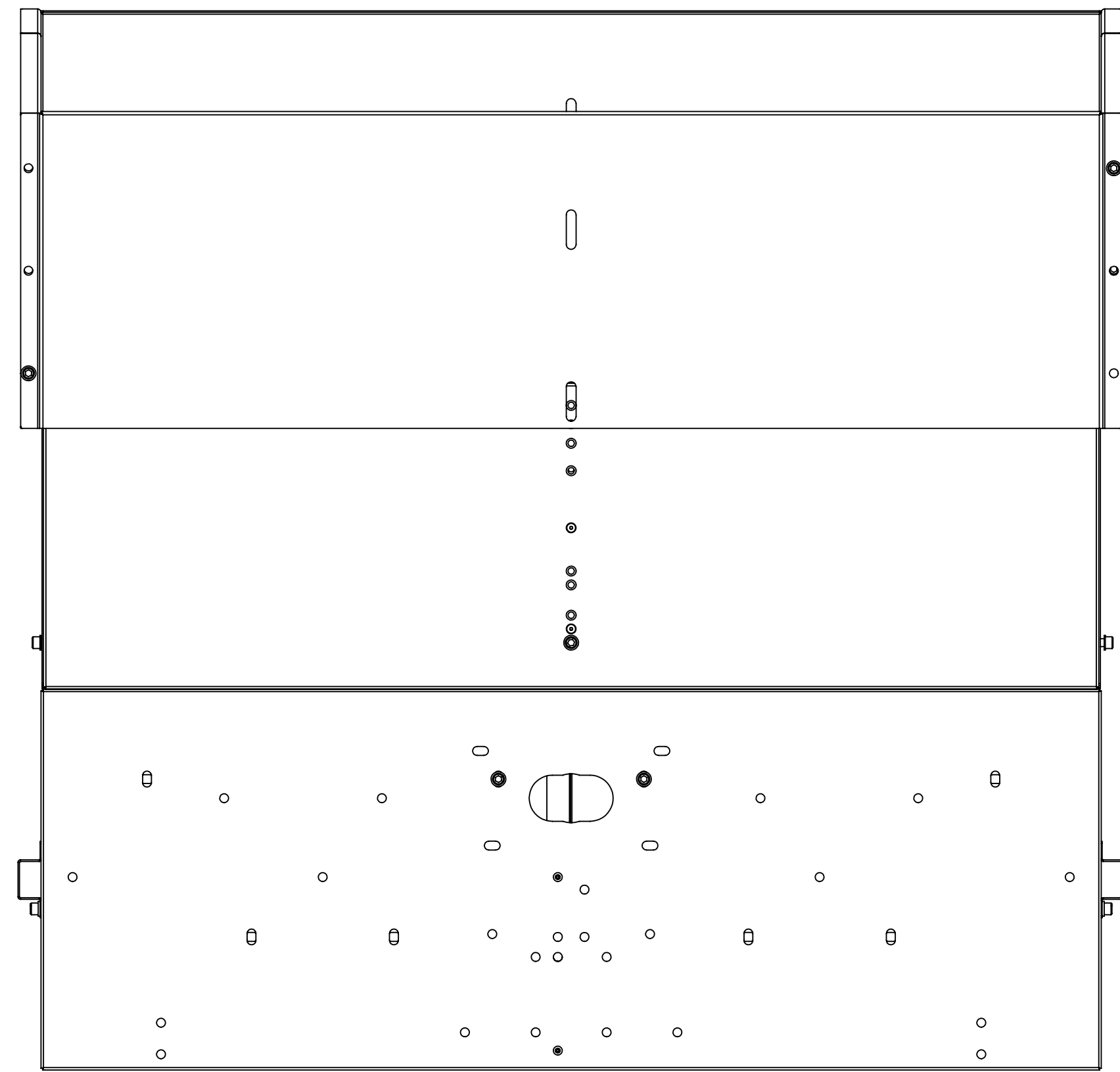
SECTION C-C
SCALE 2:1



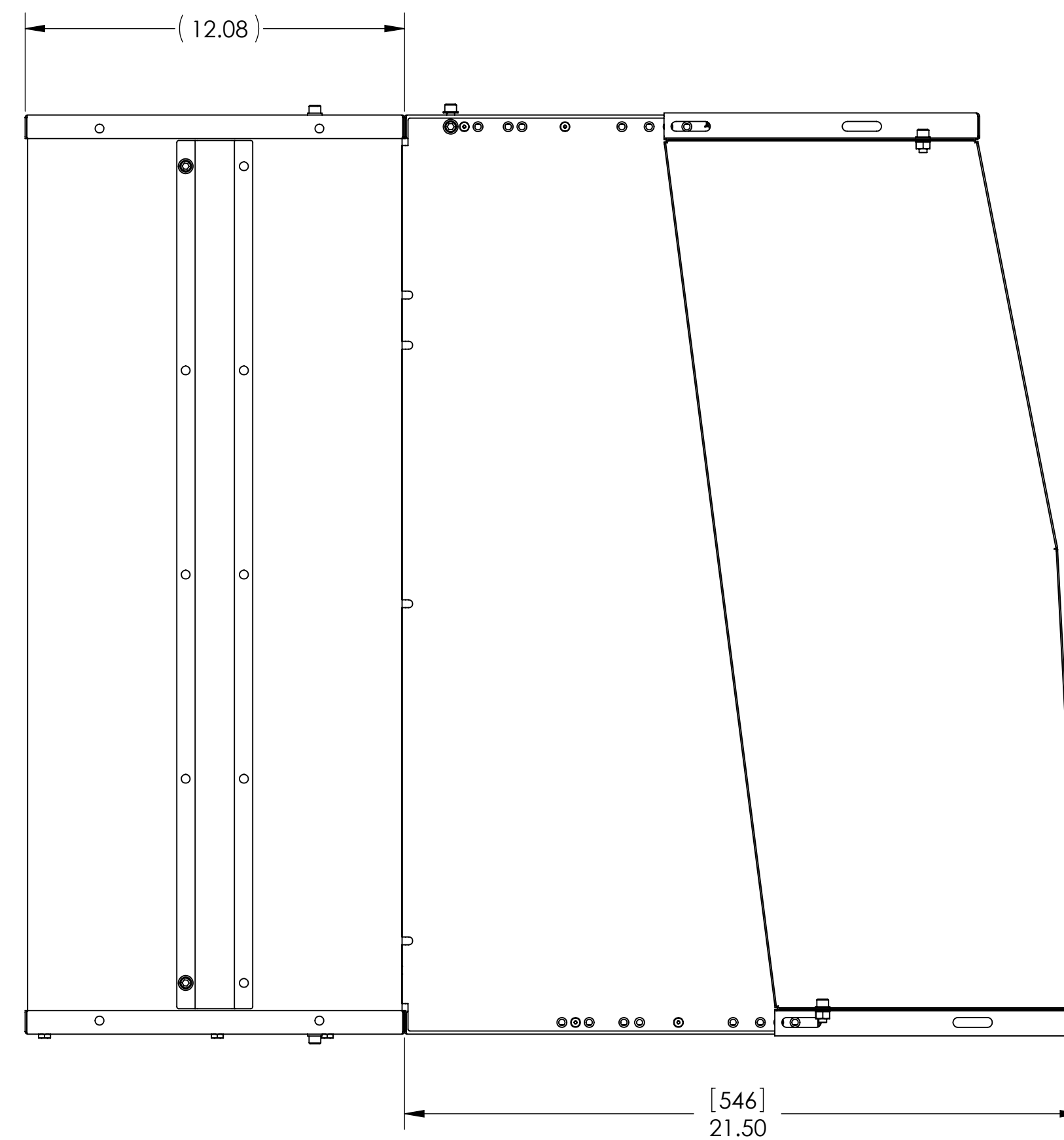
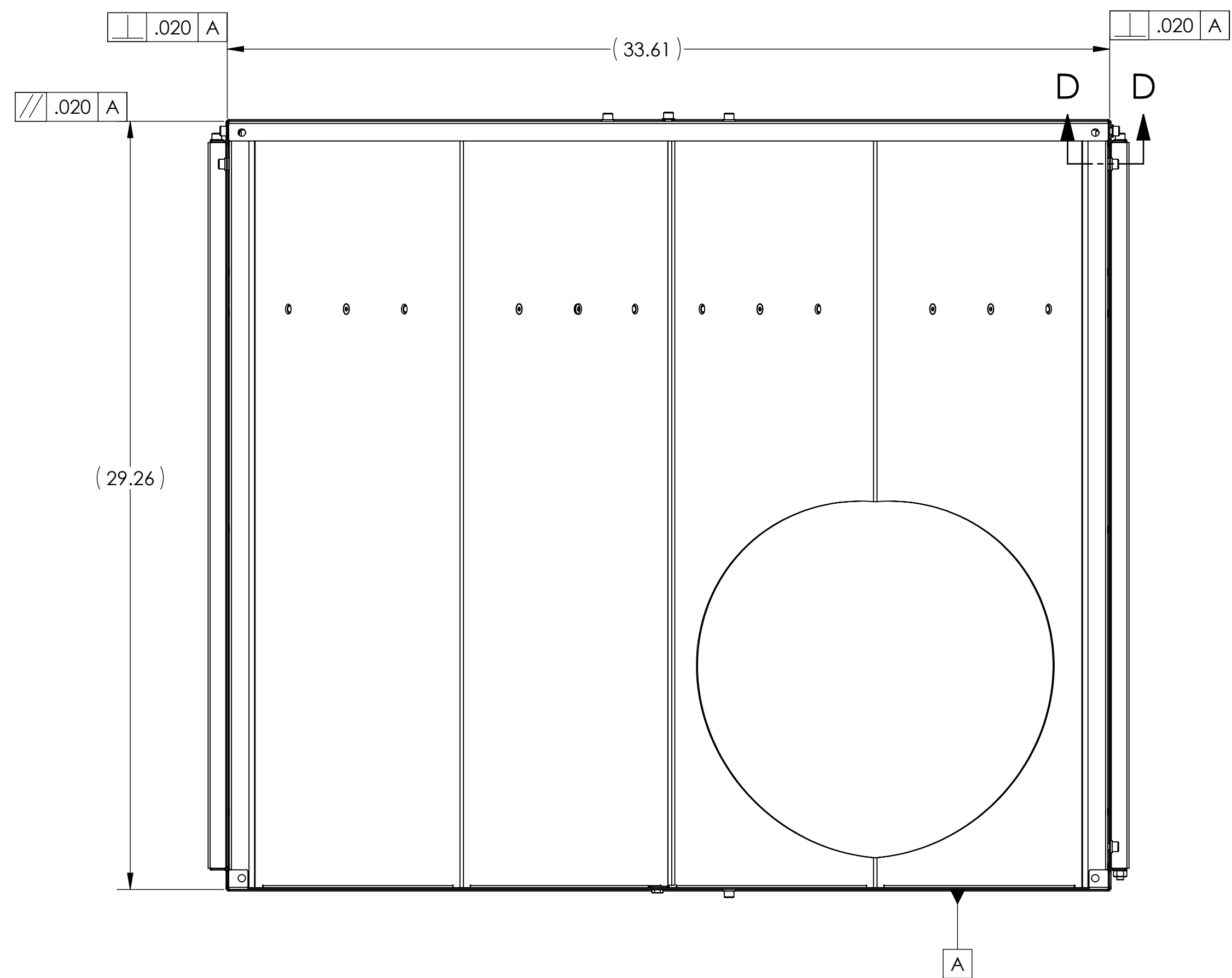
D1002356-02
ACB 1 HOLE LEFT-QPD BOX ASSY

CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		
SIZE	DWG. NO.	REV.
D	D1002356	v2
SCALE: 1:1	PROJECTION:	SHEET 3 OF 7

D1002356_AduLIGO_ACS_SLC_ARM_Cavity_Bottle_1 Hole_Box Assy_PART PDM REV: X-024 DRAWING PDM REV: X-014



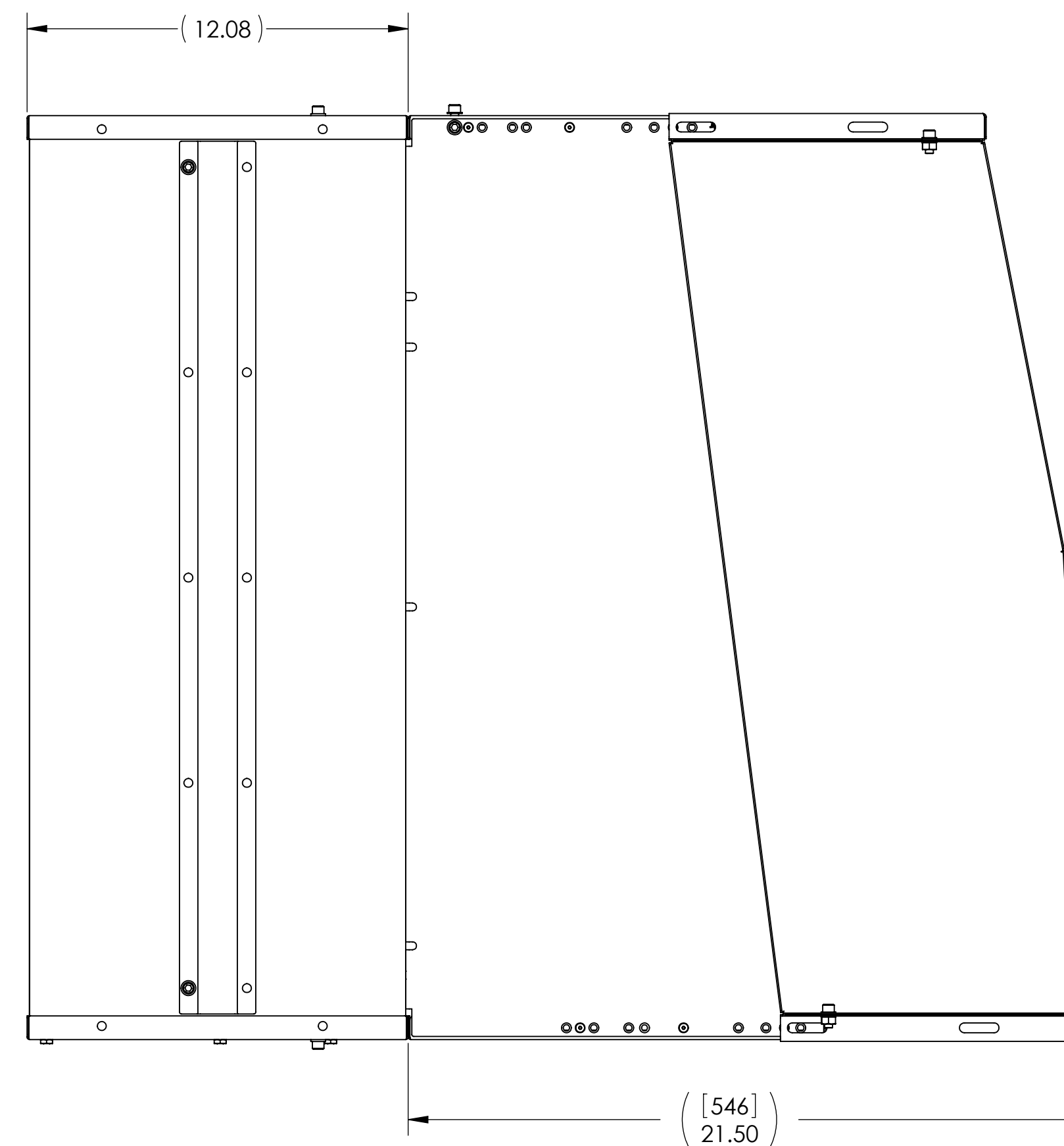
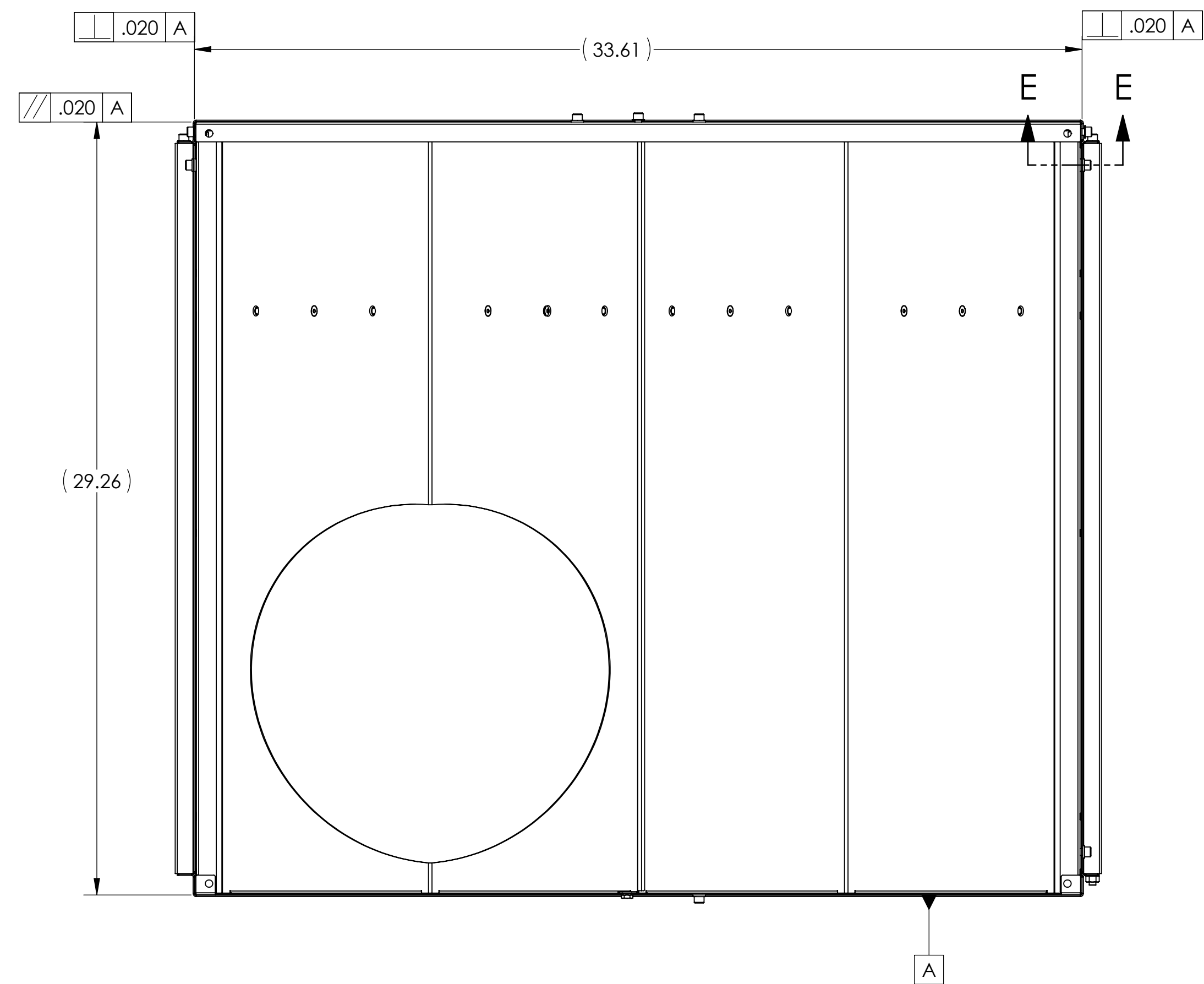
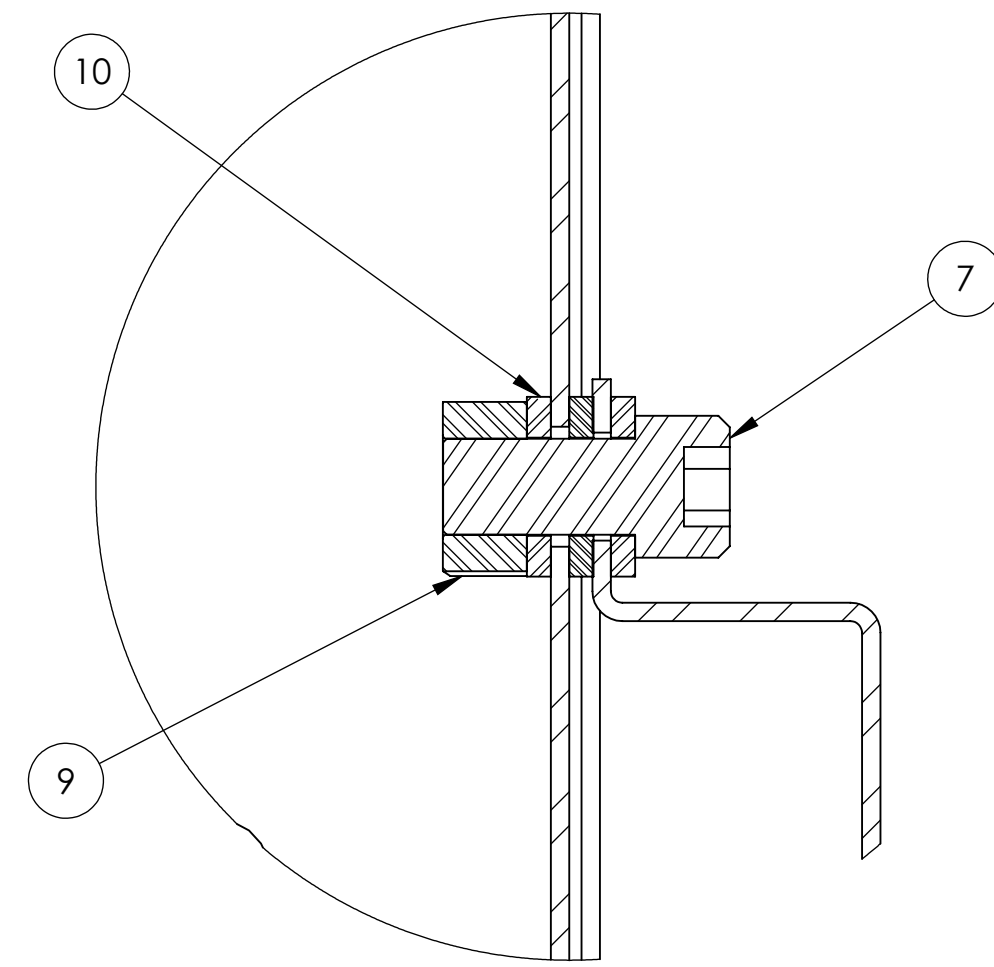
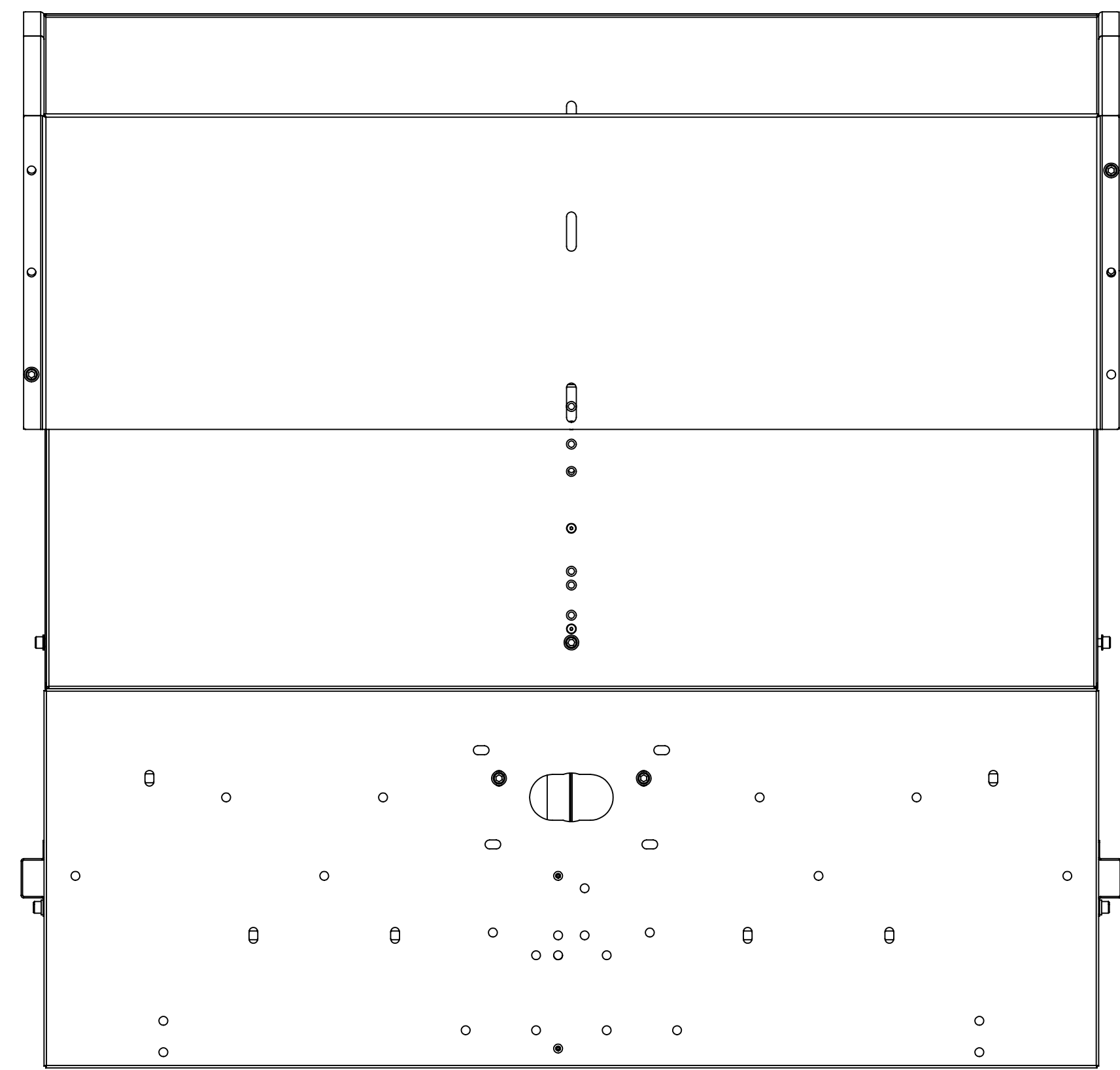
SECTION D-D
SCALE 2:1



D1002356-03
ACB 1 HOLE RIGHT NO QPD BOX ASSY

		CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY	
SIZE	DWG. NO.	REV.	
D	D1002356	v2	
SCALE: 1:1	PROJECTION:	SHEET 4 OF 7	

D1002356_AduLIGO_ACS_SLC_ARM_Cavity_Bottle_1 Hole_Box Assy_PART PDM_REV: X:024_DRAWING PDM_REV: X:014



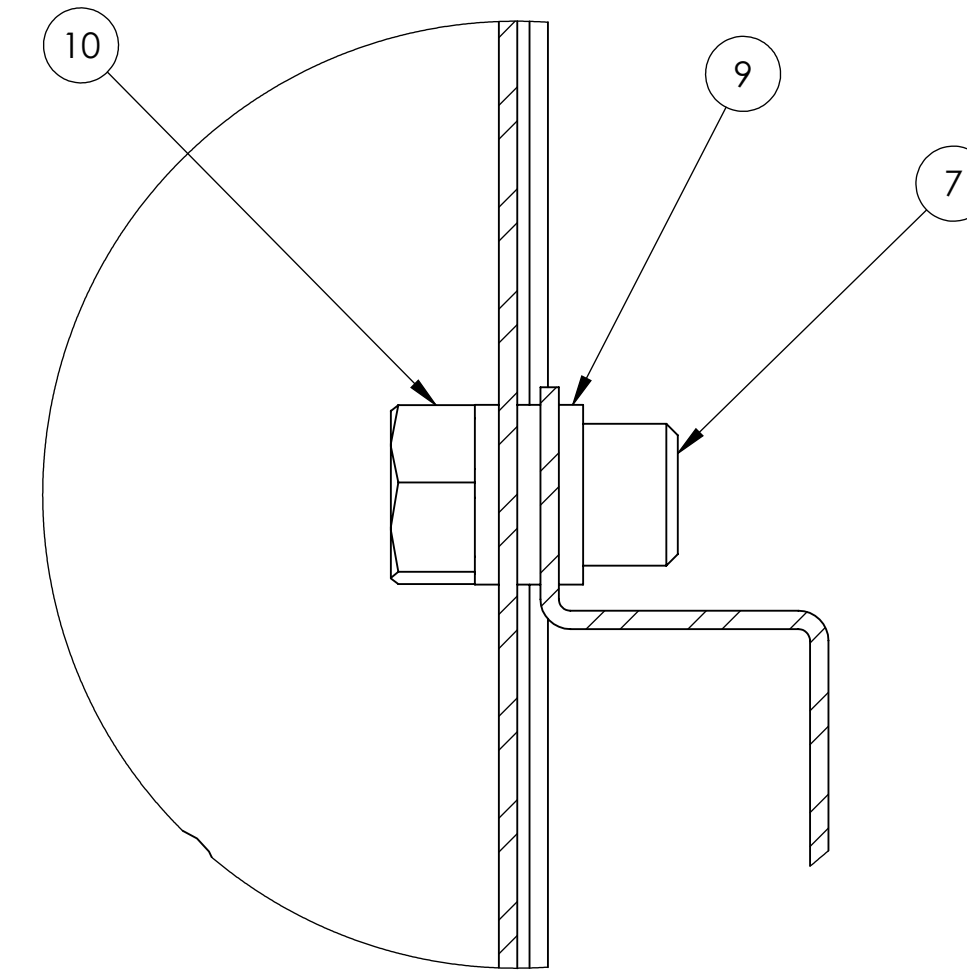
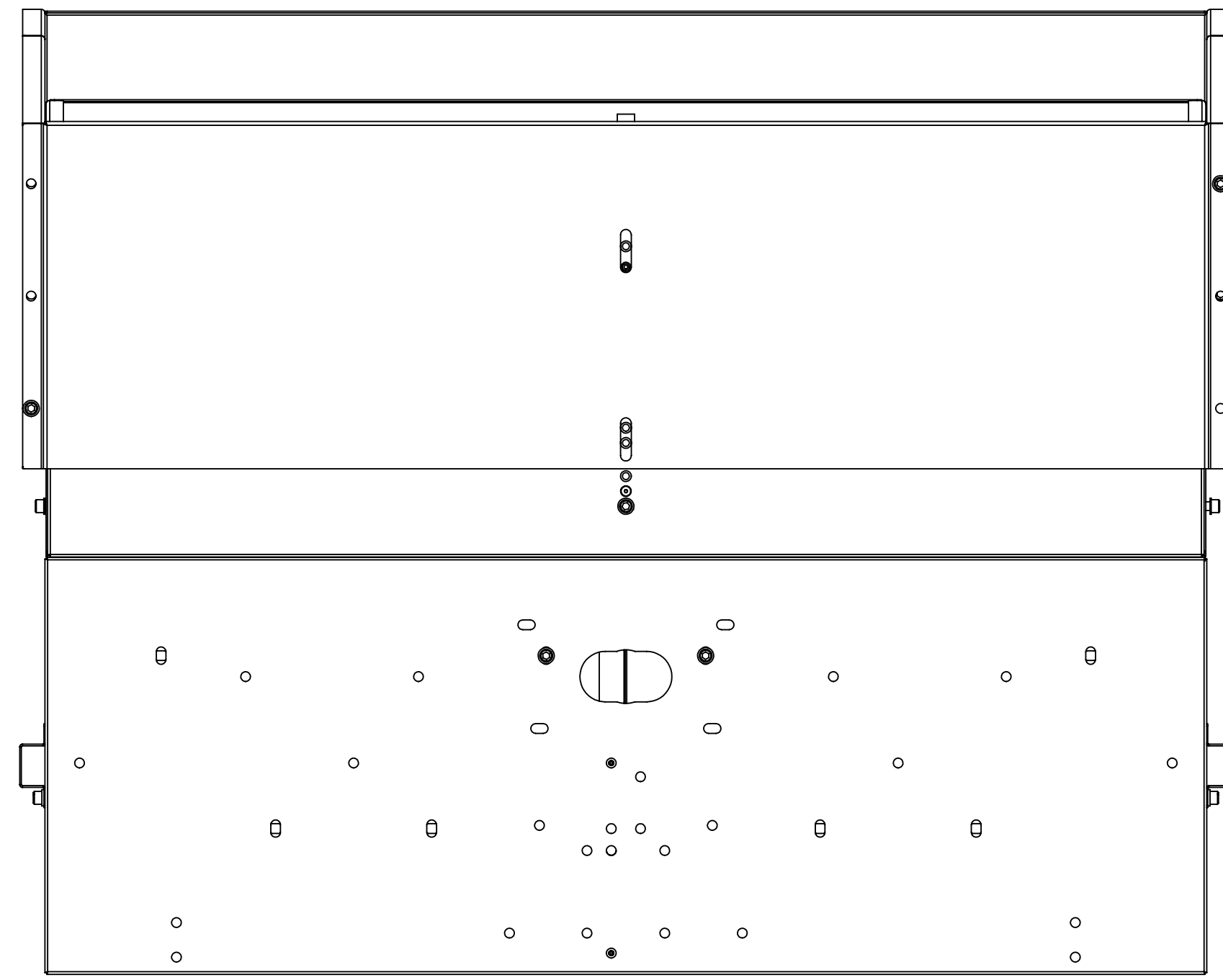
D1002356-04
ACB 1 HOLE LEFT NO QPD BOX ASSY

CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		REV.
SIZE	DWG. NO.	REV.
D	D1002356	v2
SCALE: 1:1	PROJECTION:	SHEET 5 OF 7

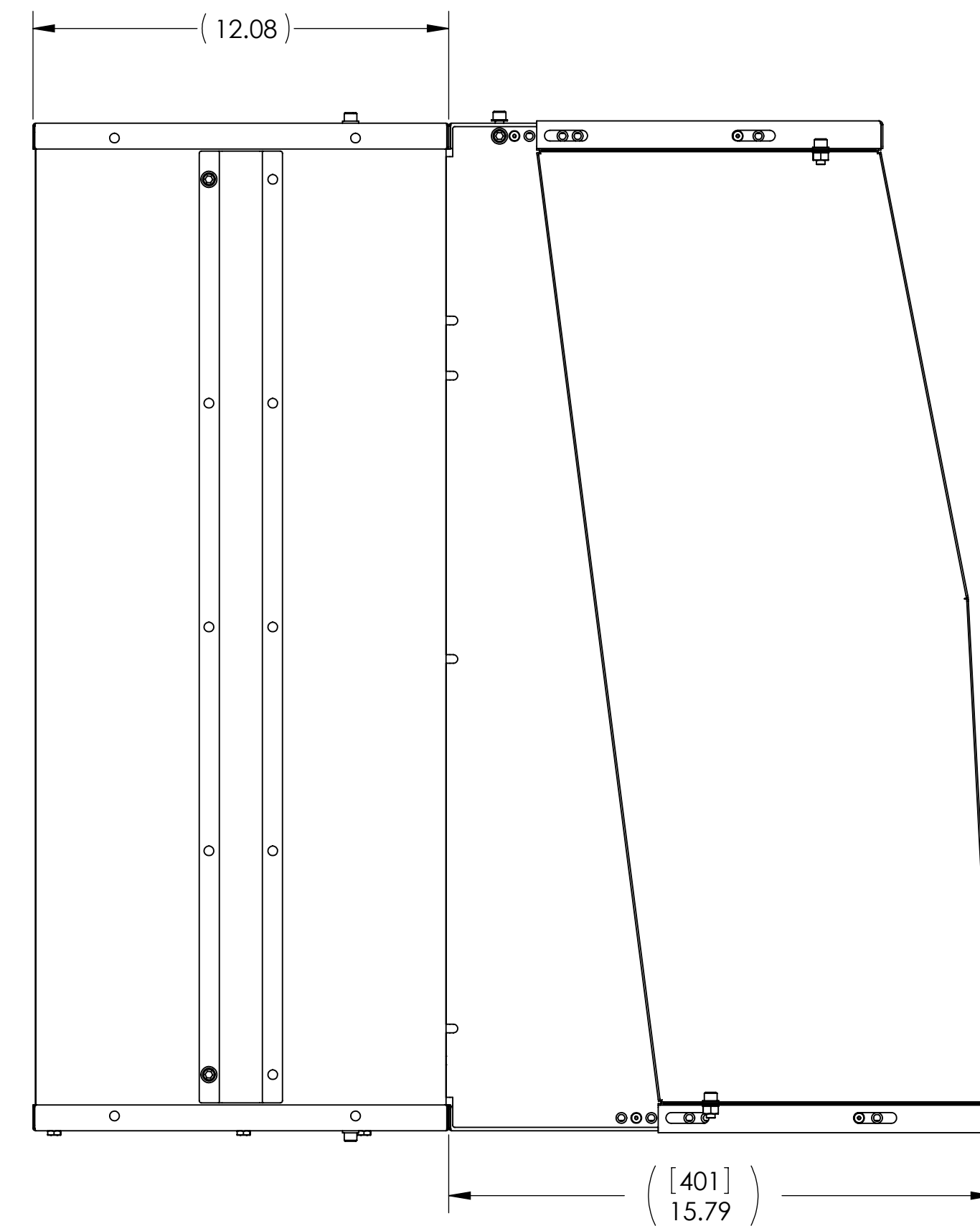
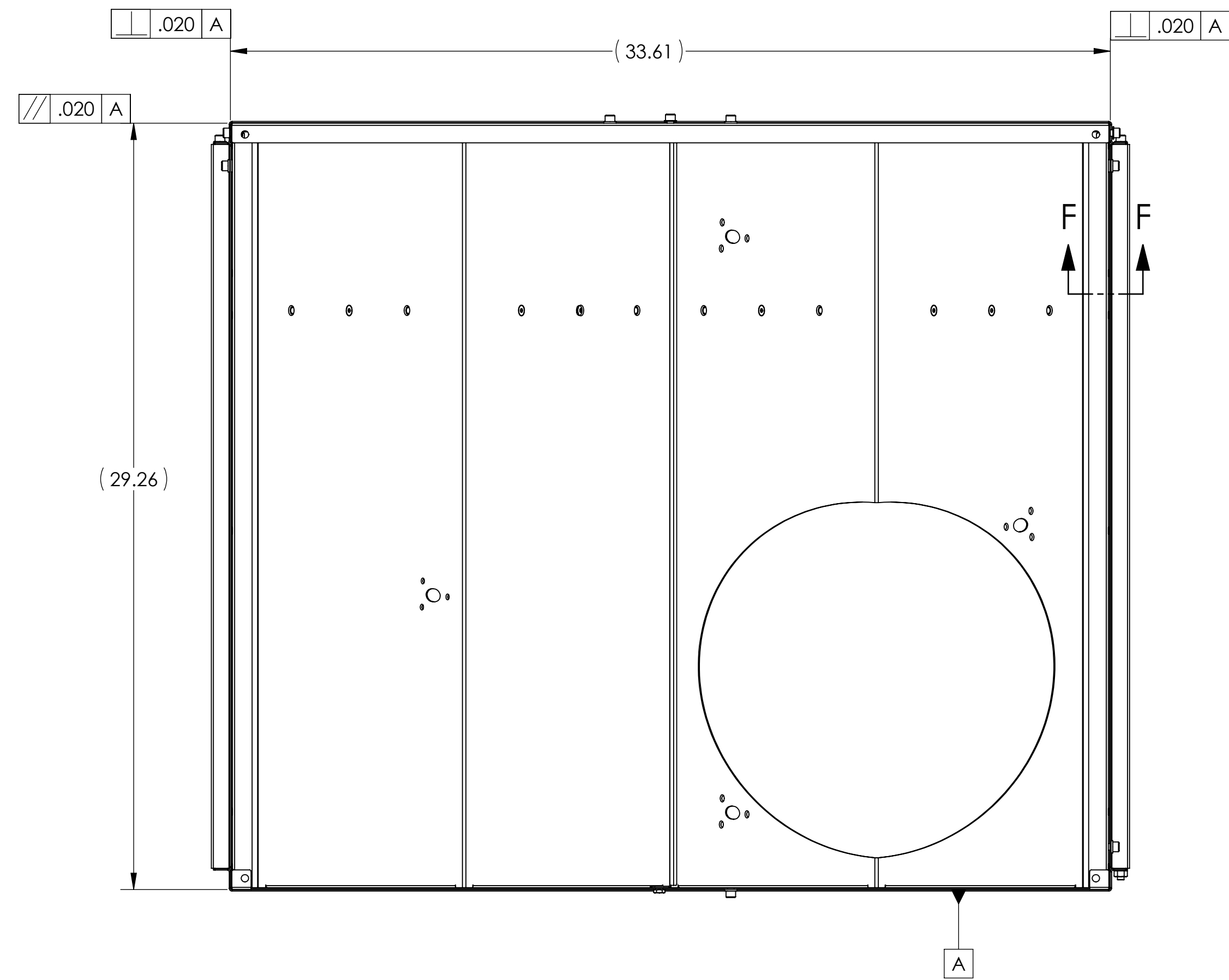
D1002356_04.LGO_ACS_SLC_ARM_Cavity_Bottle_1 Hole_Box Assy_PART PDM REV: X:024 DRAWING PDM REV: X:014

8 7 6 5 4 3 2 1


H G F E D C B A



SECTION F-F
SCALE 2:1

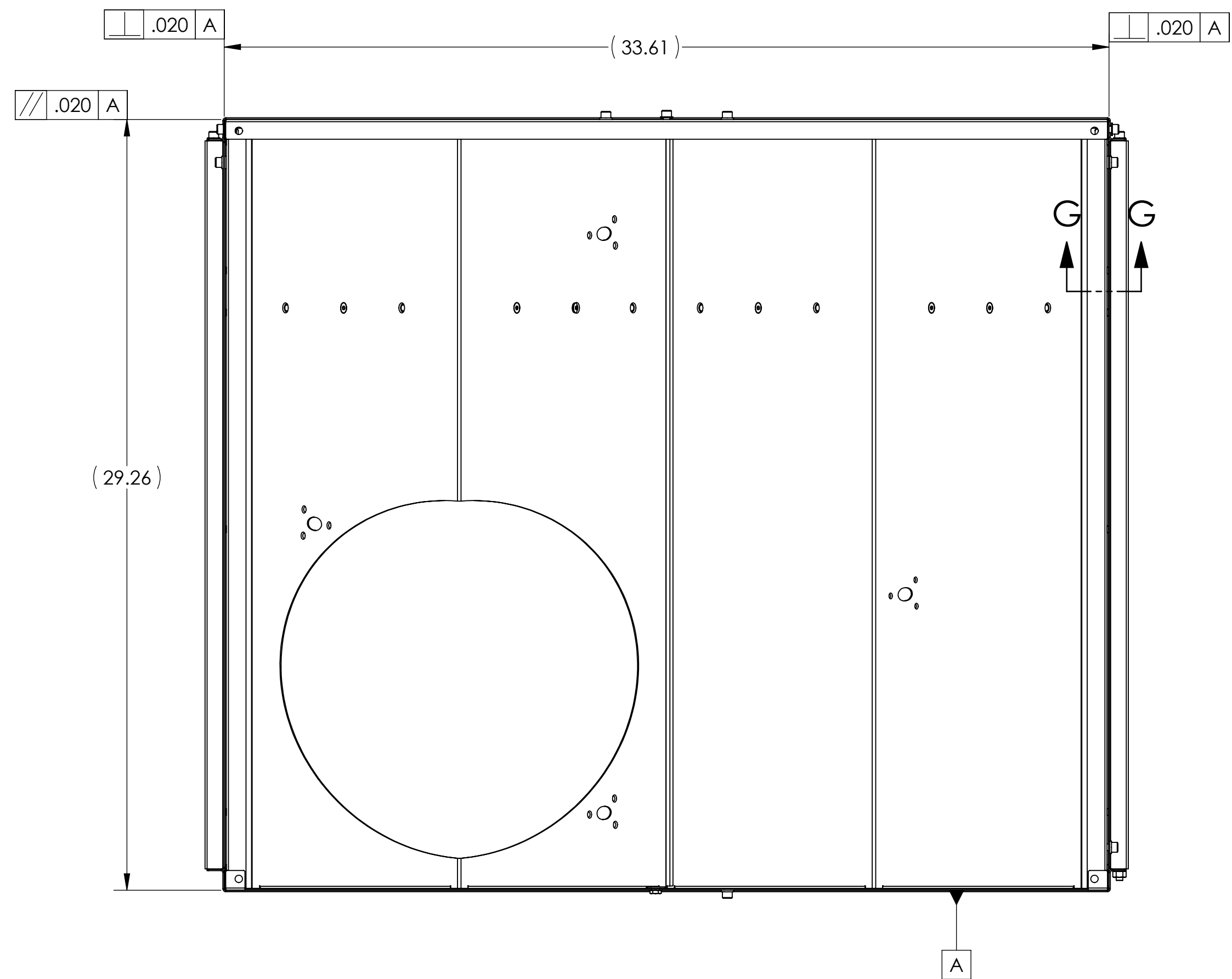
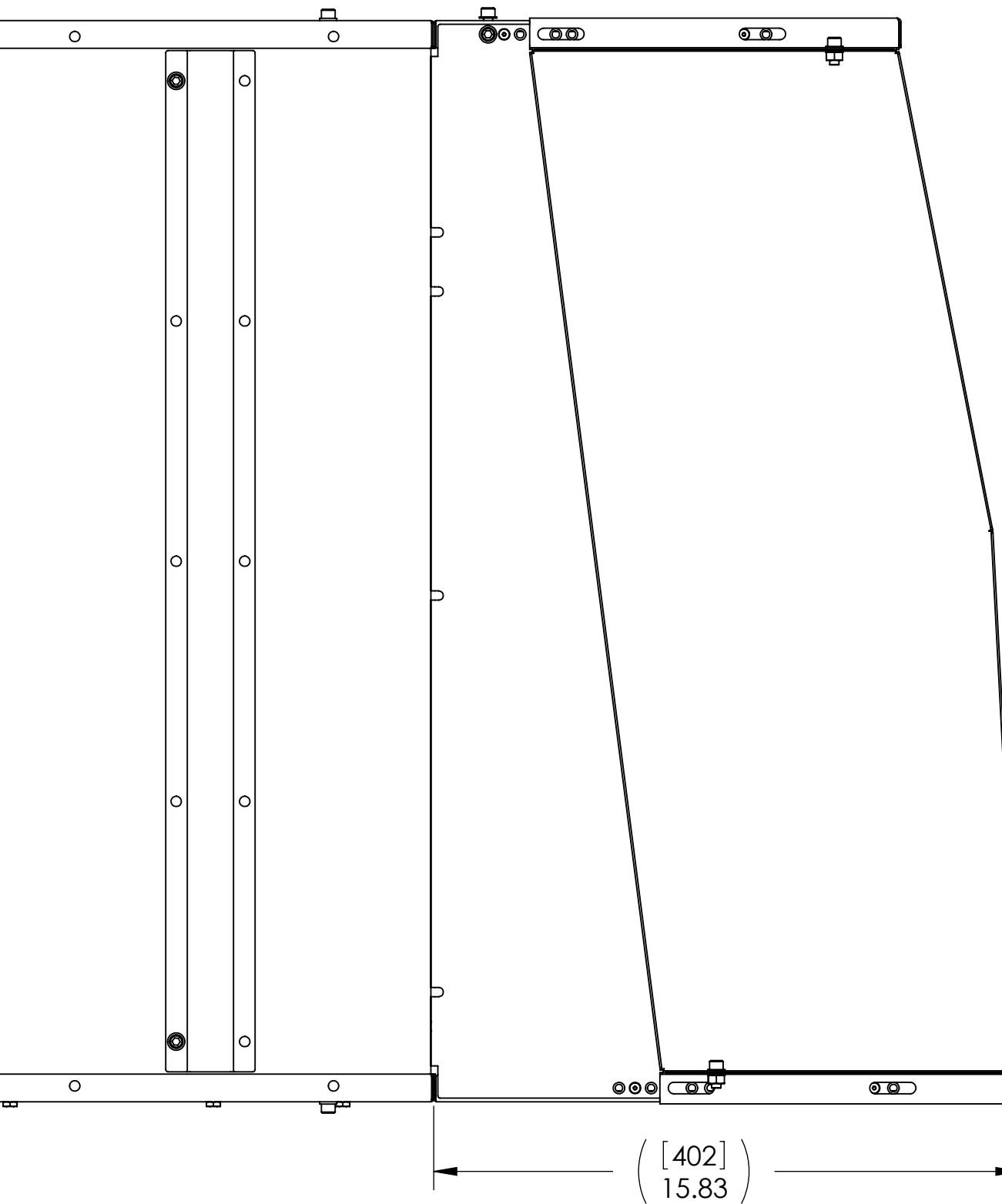
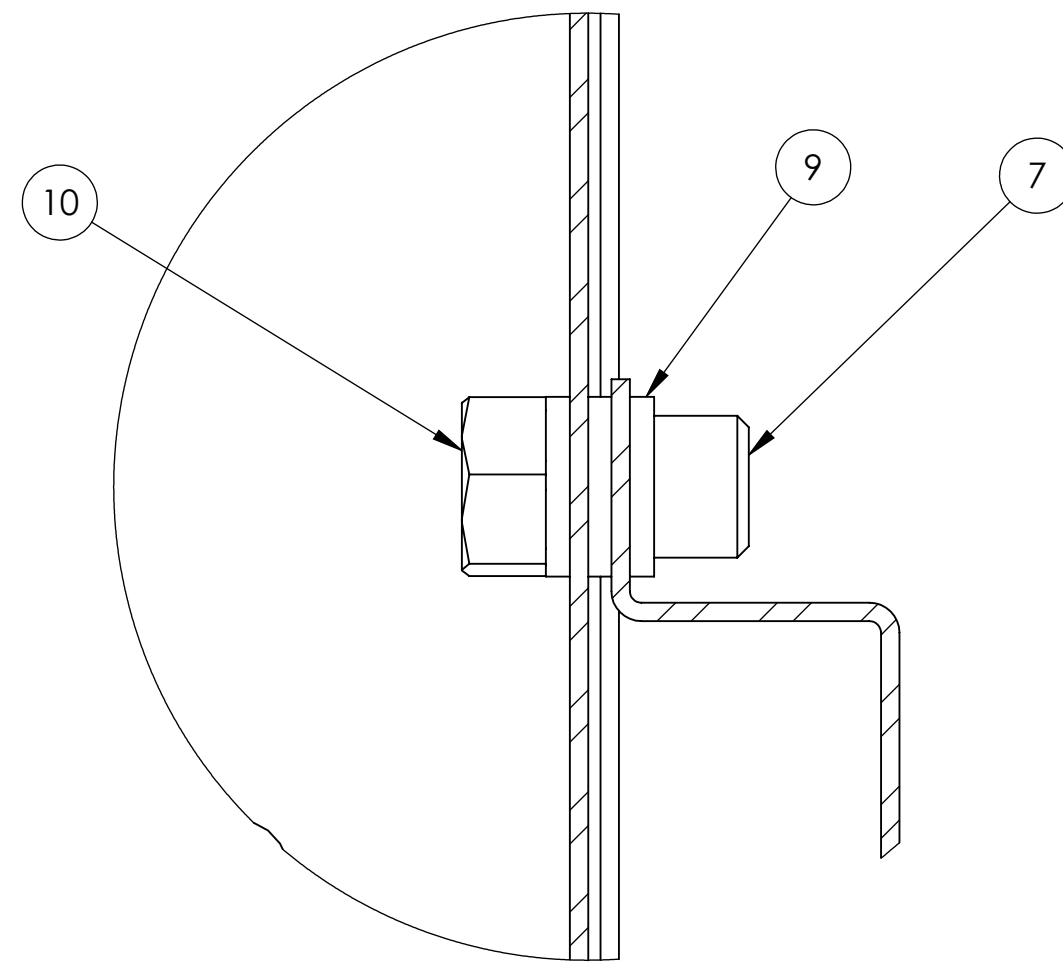
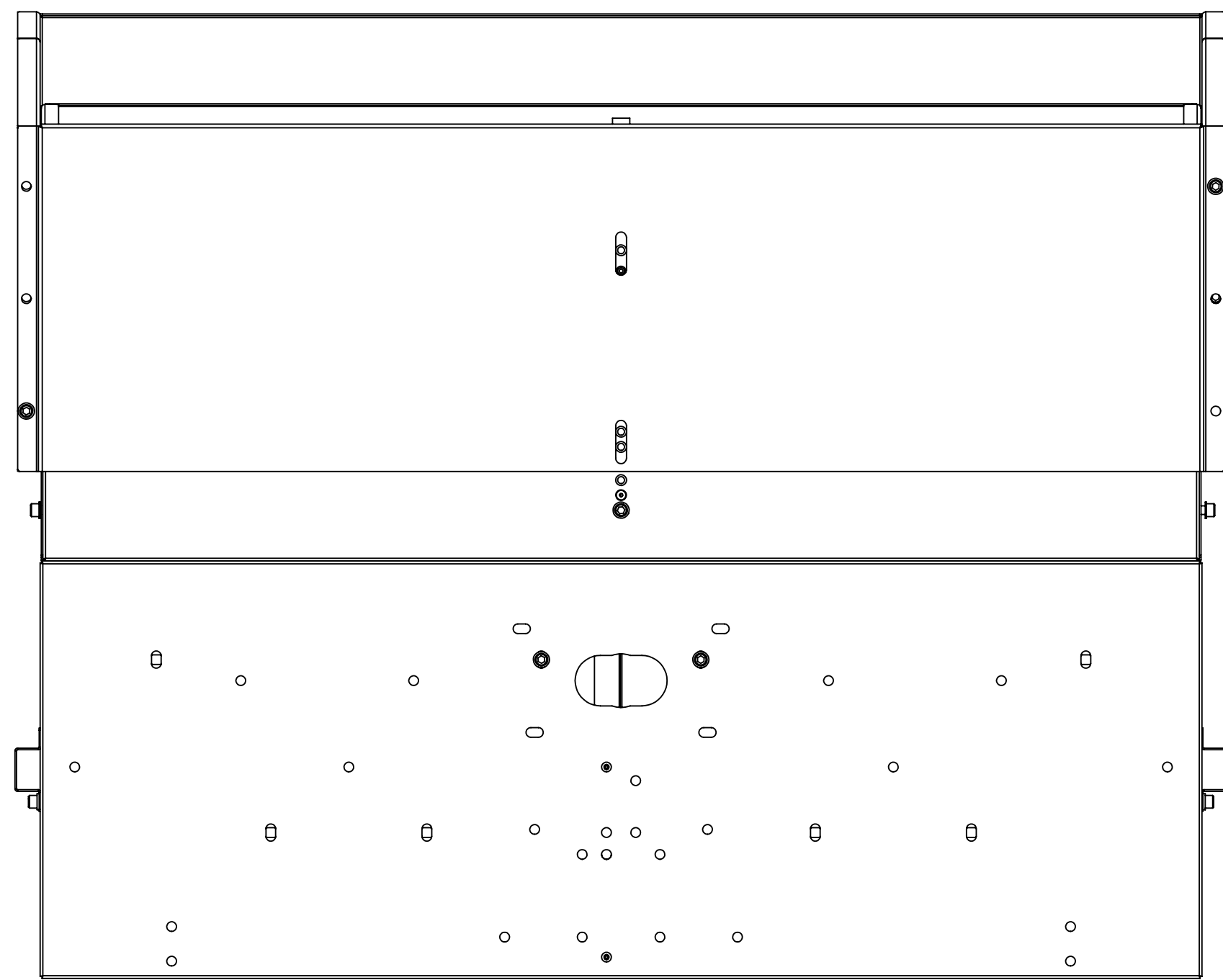


**D1002356-05
ACB 1 HOLE RIGHT-QPD BOX ASSY**

 CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		REV.
SIZE DWG. NO.	D1002356	v2
SCALE: 1:1	PROJECTION:	SHEET 6 OF 7

D:\002356_Adu\GO_ACS_SLC_ARM_Cavity_Bottle_1 Hole_Box Assy_PART PDM_REV.X-024_DRAWING PDM_REV.X-014

8 7 6 5 4 3 2 1



D1002356-06
ACB 1 HOLE LEFT-QPD BOX ASSY

		CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY	
SIZE	DWG. NO.	REV.	
D	D1002356	v2	
SCALE: 1:1	PROJECTION:	SHEET 7 OF 7	

D1002356_AduLIGO_ACS_SLC_ARM_Cavity_Baffle_1 Hole_Box Assy_PART PDM REV: X-024 DRAWING PDM REV: X-014