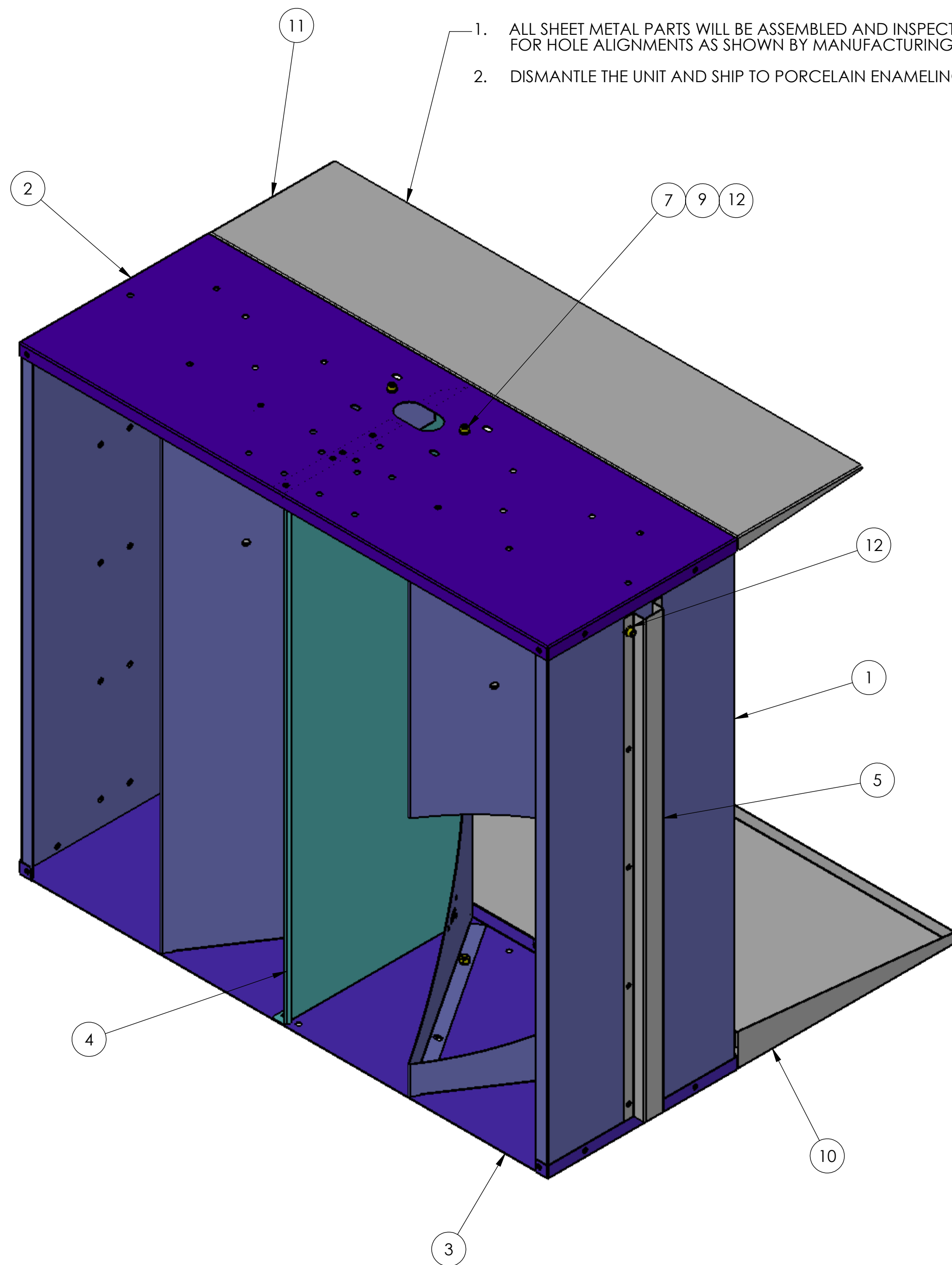


NOTES CONTINUED:

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.



PART NUMBER	DESCRIPTION	DRAWING TREE
D1002356-01	ACB 1 HOLE RIGHT QPD BOX ASSY	E1100008
D1002356-02	ACB 1 HOLE LEFT QPD BOX ASSY	E1100009
D1002356-03	ACB 1 HOLE RIGHT NO QPD BOX ASSY	E1100010
D1002356-04	ACB 1 HOLE LEFT NO QPD BOX ASSY	E1100011

D1002356-01 D1002356-02 D1002356-03 D1002356-04	15	90313A200	WASHER, FLAT, #10 (NAS 620-C10 McMaster	18-8 SSSL	30	15	45
	14	92210A999	FLAT HD SHCS #10-24 UNDERCUT, McMaster	18-8 S/S	12	6	18
	13	D1001365	ARM BAFFLE MIDDLE REINFORCING PLATE	Enamel A424 Type I	2		2
	12	90313A204	WASHER, FLAT, 1/4 , McMaster	18-8 SSSL	225	112	337
	11	D1001026	ARM CAVITY BAFFLE UP LEAF	Enamel Steel A424 Type I	1		1
	10	D1001027	ARM CAVITY BAFFLE LOWER LEAF	Enamel Steel A424 Type I	1		1
	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 SSSL	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		D1002357-01	ACB 1 HOLE RIGHT-QPD SKIN	ENAMEL STL A424 TYPE I	1		0
D1002356-02		D1002357-02	ACB 1 HOLE LEFT QPD SKIN	Enamel Steel A424 Type I	1		1
D1002356-03	1	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
ASSY PART NUMBER	ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	QTY.	SPARE	TOTAL

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: D1001011

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

SYSTEM: ADVANCED LIGO  
 SUB-SYSTEM: AOS

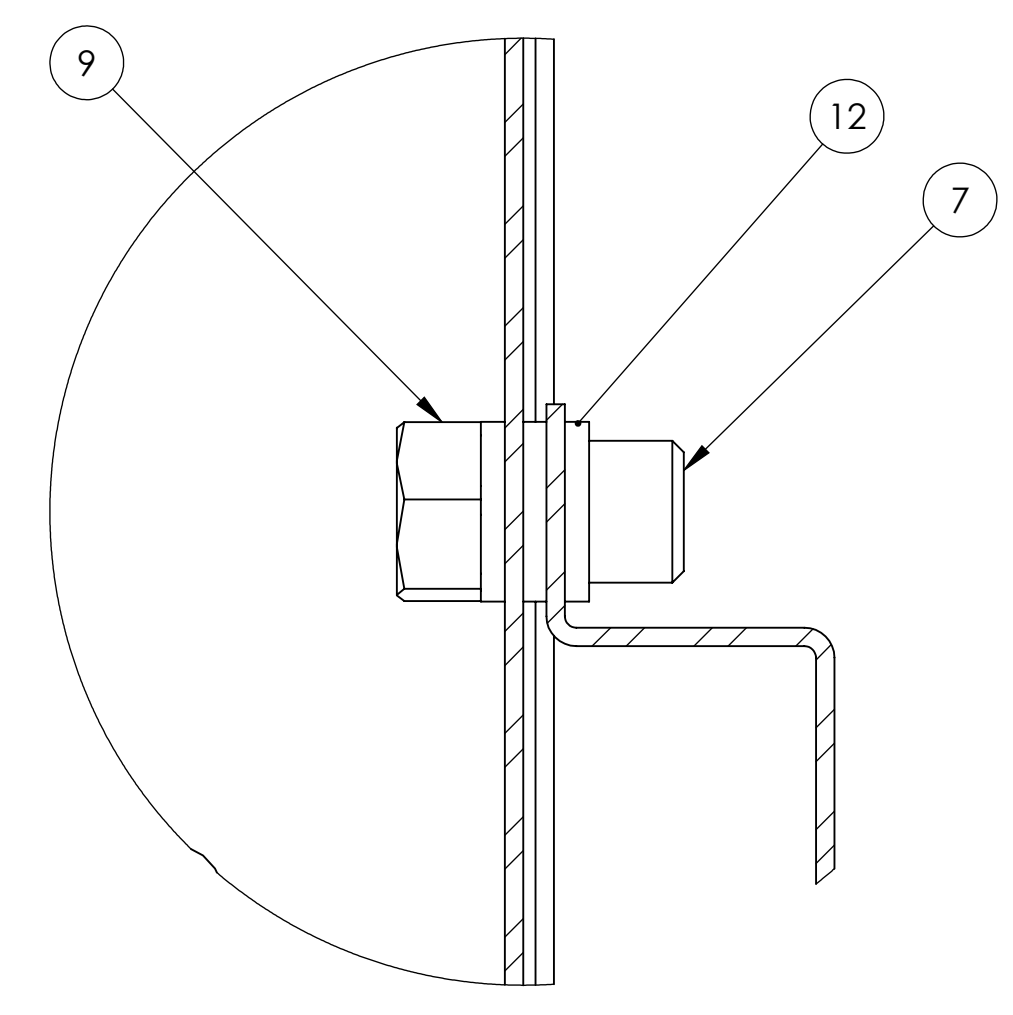
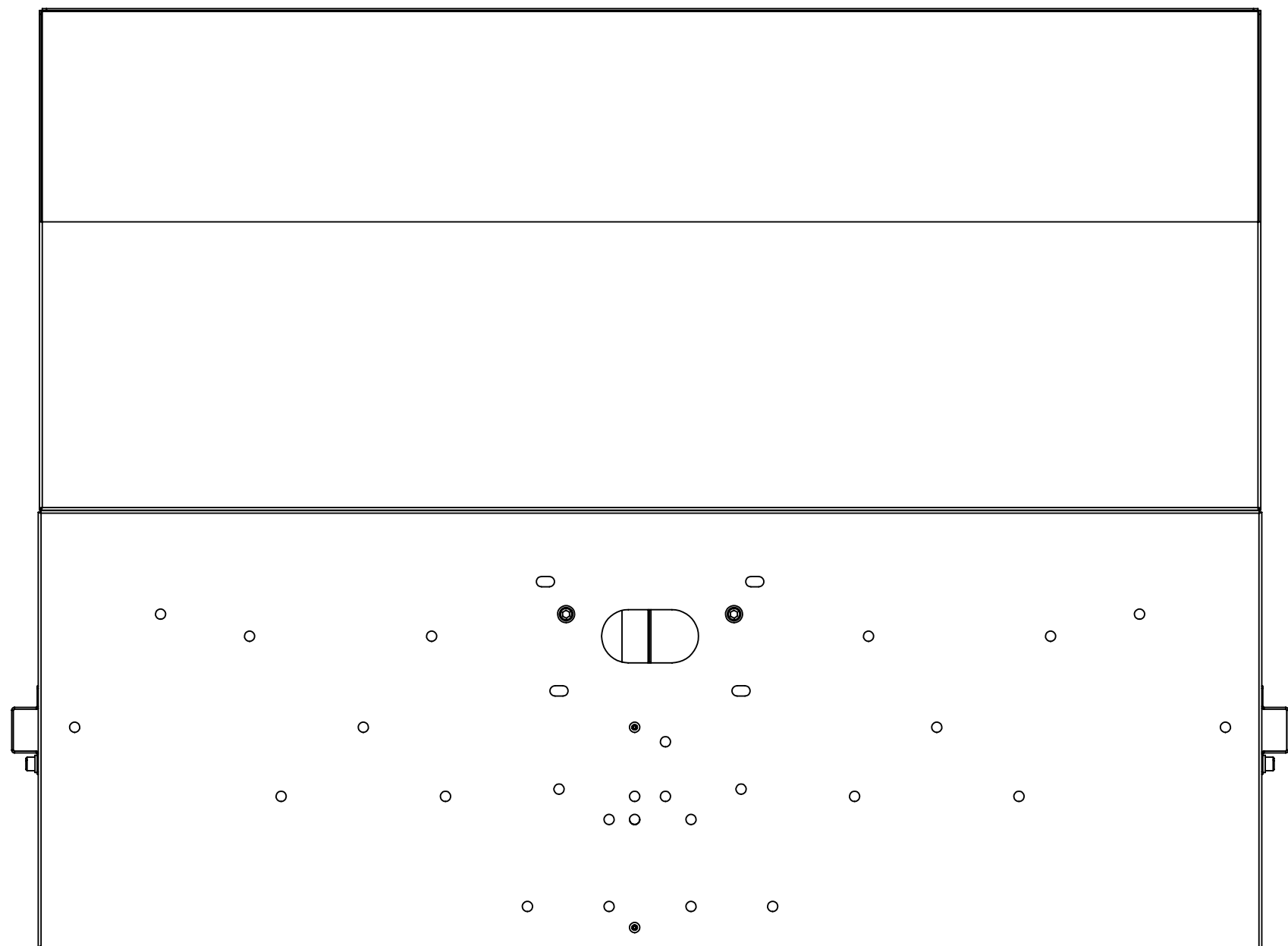
PART NAME: ACB 1 HOLE BOX ASSY

DESIGNER	N.Nguyen	01 Jun 2010	SIZE	DWG. NO.	REV.
DRAFTER	N.Nguyen	01 DEC 2010			
CHECKER	M. Smith	10 DEC 2010			
APPROVAL	D. Coyne	20 DEC 2010	SCALE: 1:1	PROJECTION:	SHEET 1 OF 5

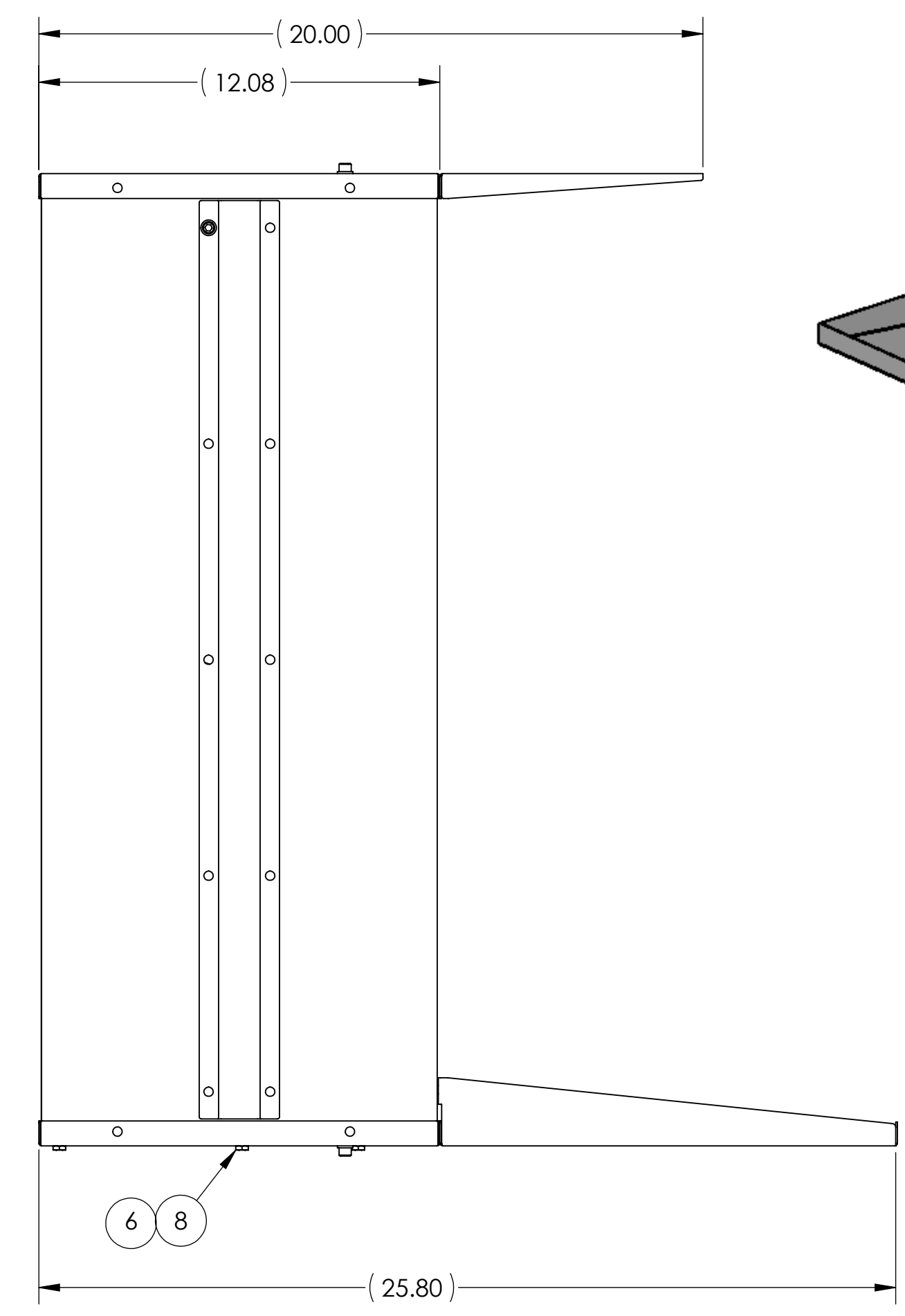
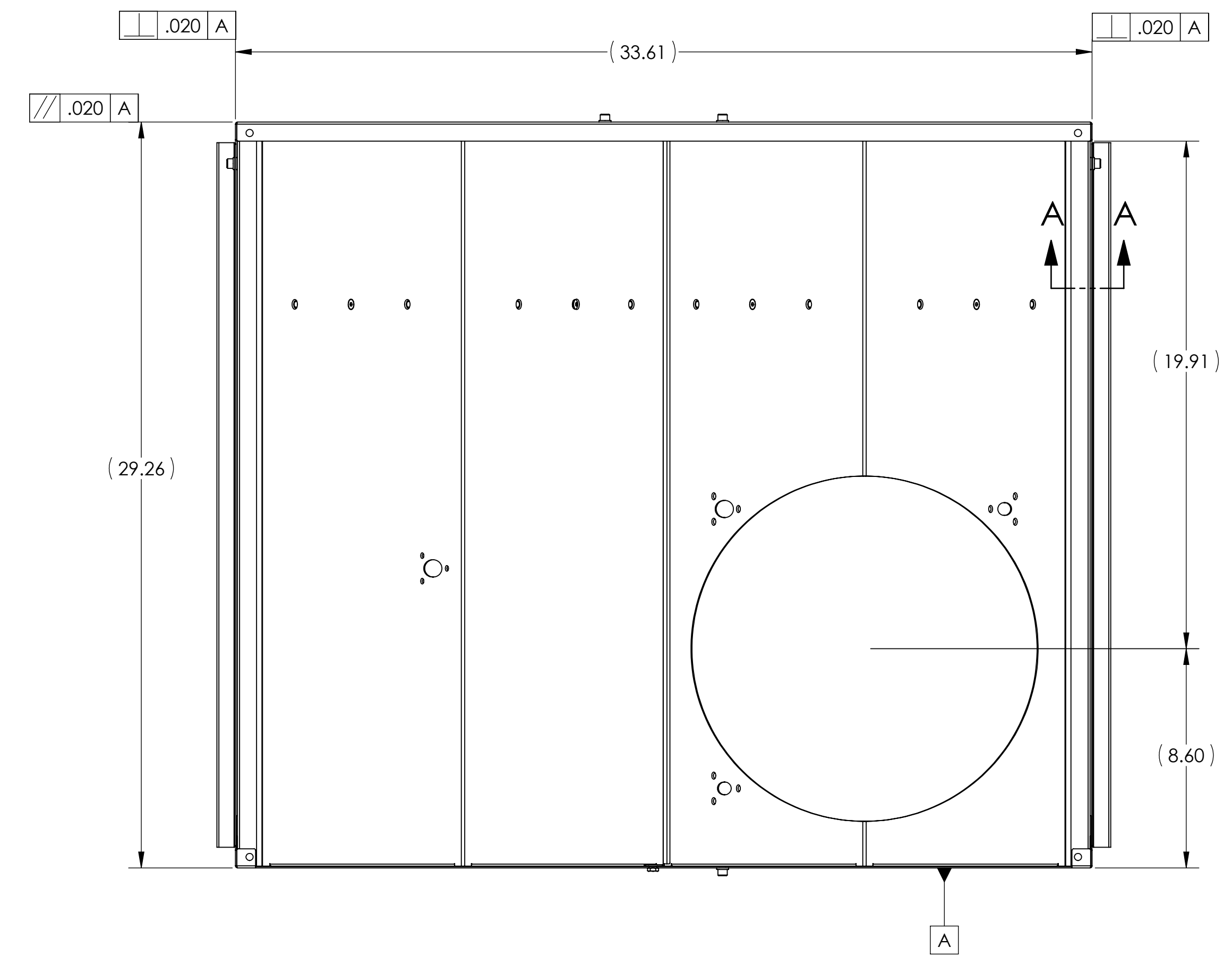
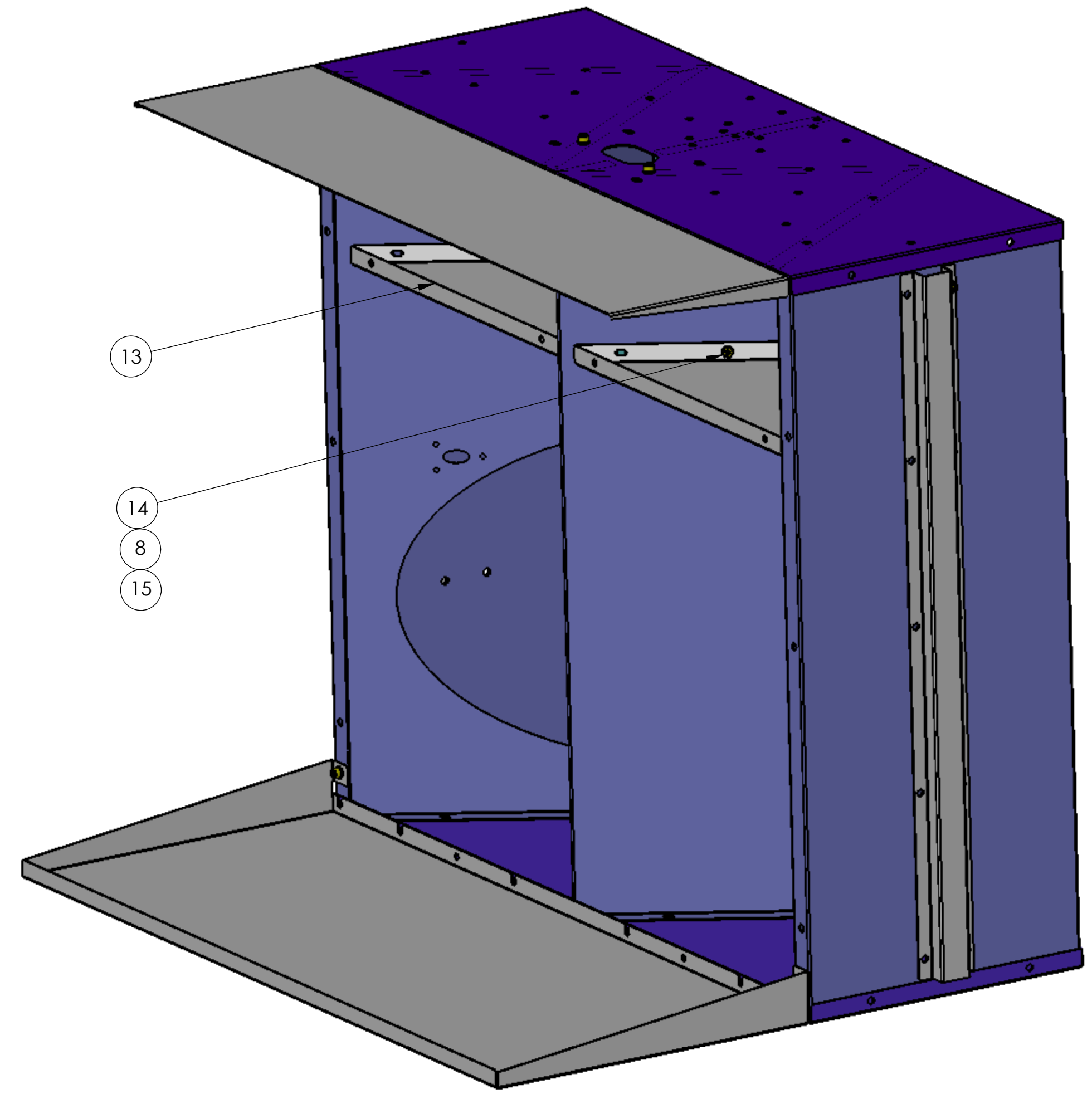
D1002356 v1

REV.	DATE	DCN #	DRAWING TREE #
v1	16 DEC 2010	E1000868	SEE CHART
-	-	-	-
-	-	-	-

D1002356\_AduLIGO\_AOS\_SLC\_ARM\_Cavity\_Baffle\_1\_Hole\_Box Assy\_PART FROM REV: X011, DRAWING FROM REV: X008



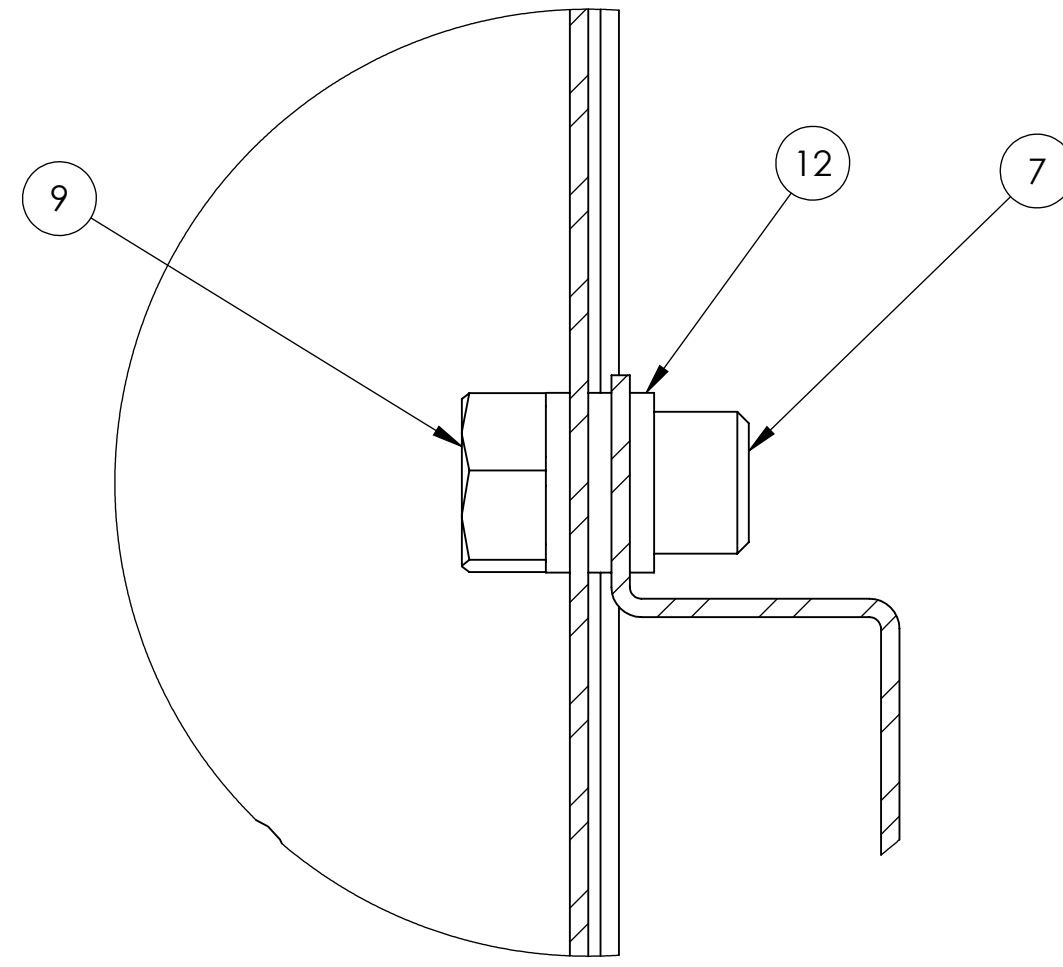
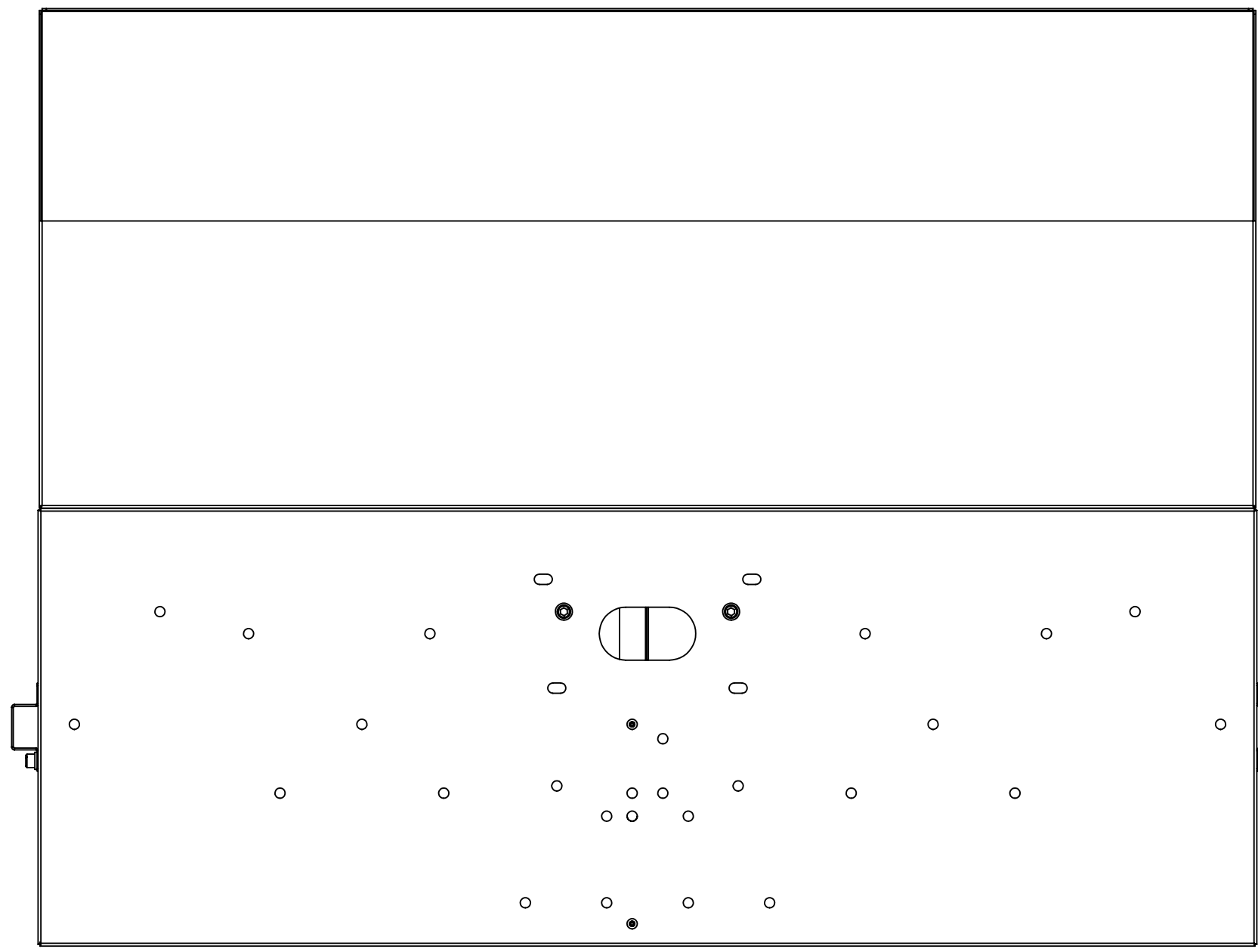
SECTION A-A  
SCALE 2:1



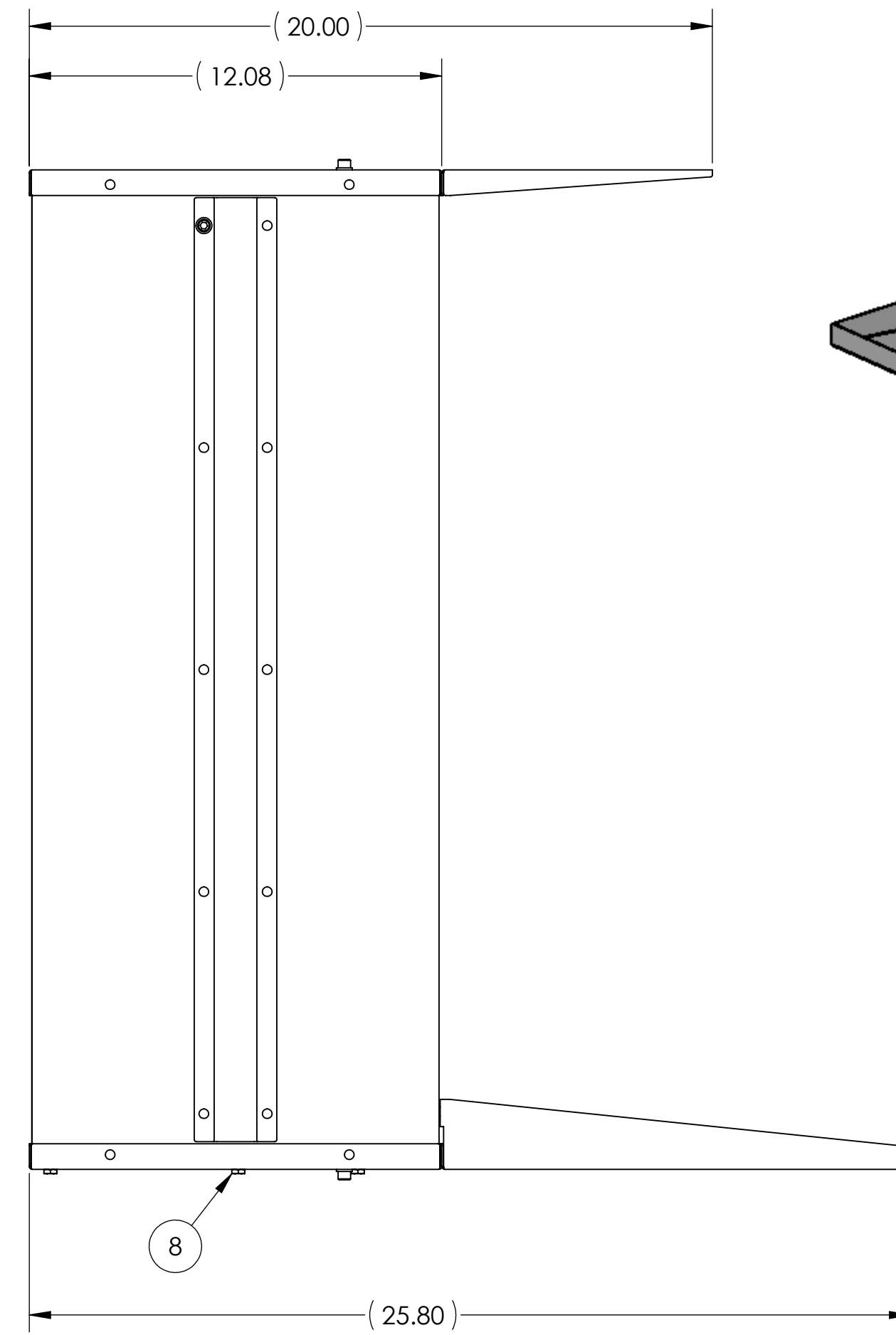
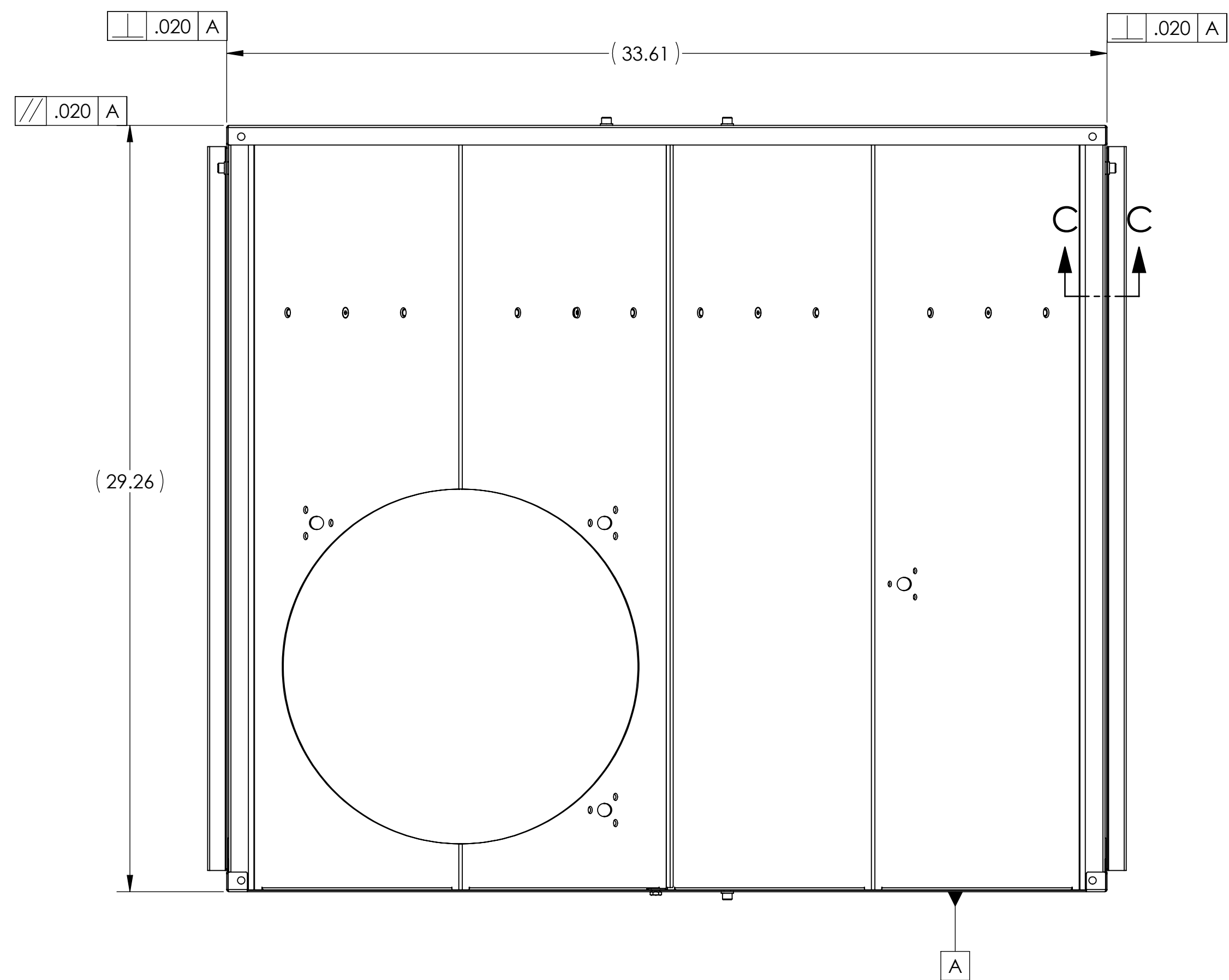
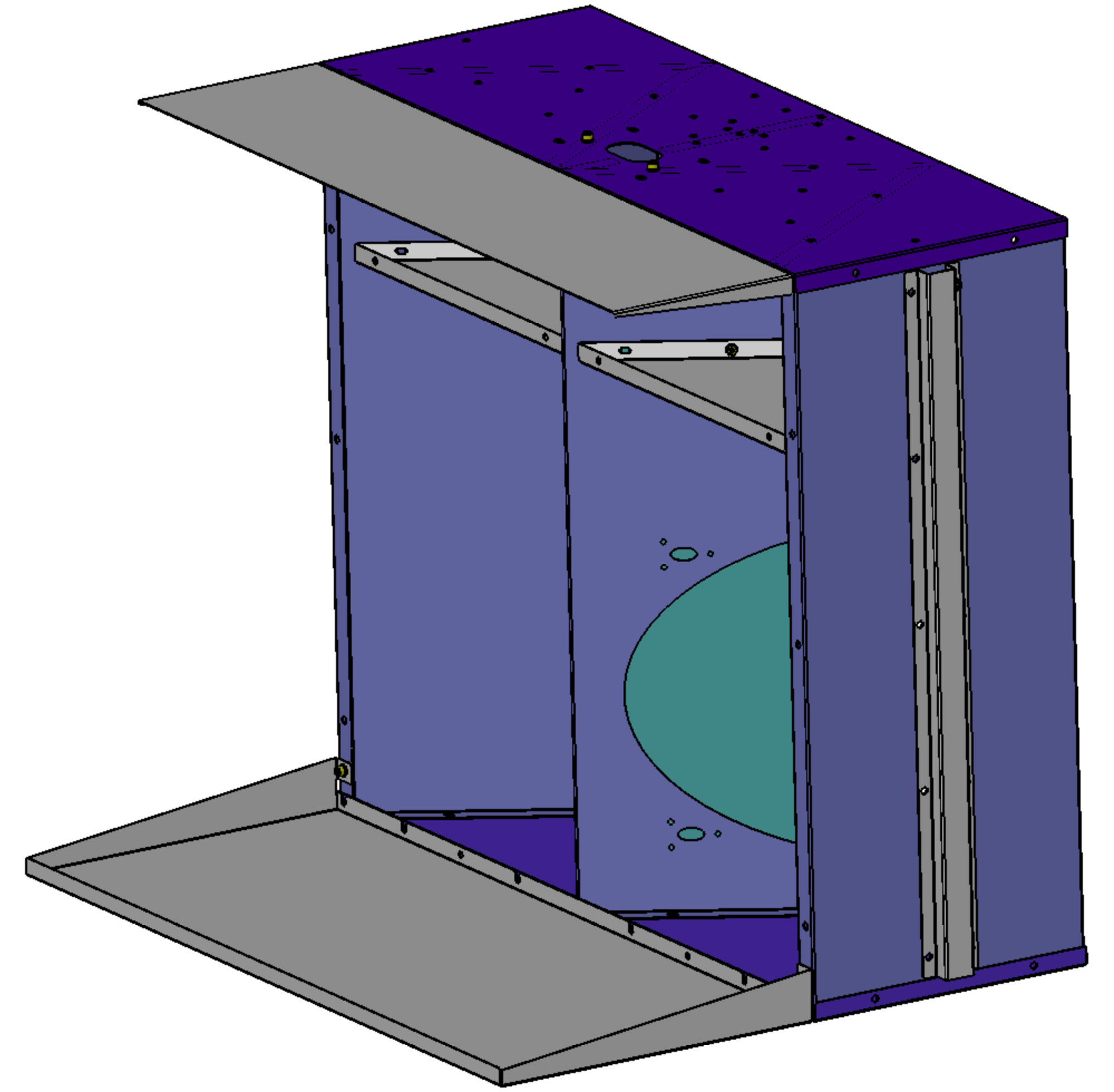
**D1002356-01  
ACB 1 HOLE RIGHT-QPD BOX ASSY**

CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		REV.
SIZE	DWG. NO.	REV.
D	D1002356	v1
SCALE: 1:1	PROJECTION:	SHEET 2 OF 5

D1002356\_AduLIGO\_ACS\_SLC\_ARM\_Cavity\_Baffle\_1\_Hole\_Box Assy\_PART PDM\_REV: X:011, DRAWING PDM\_REV: X:008



SECTION C-C  
SCALE 2:1

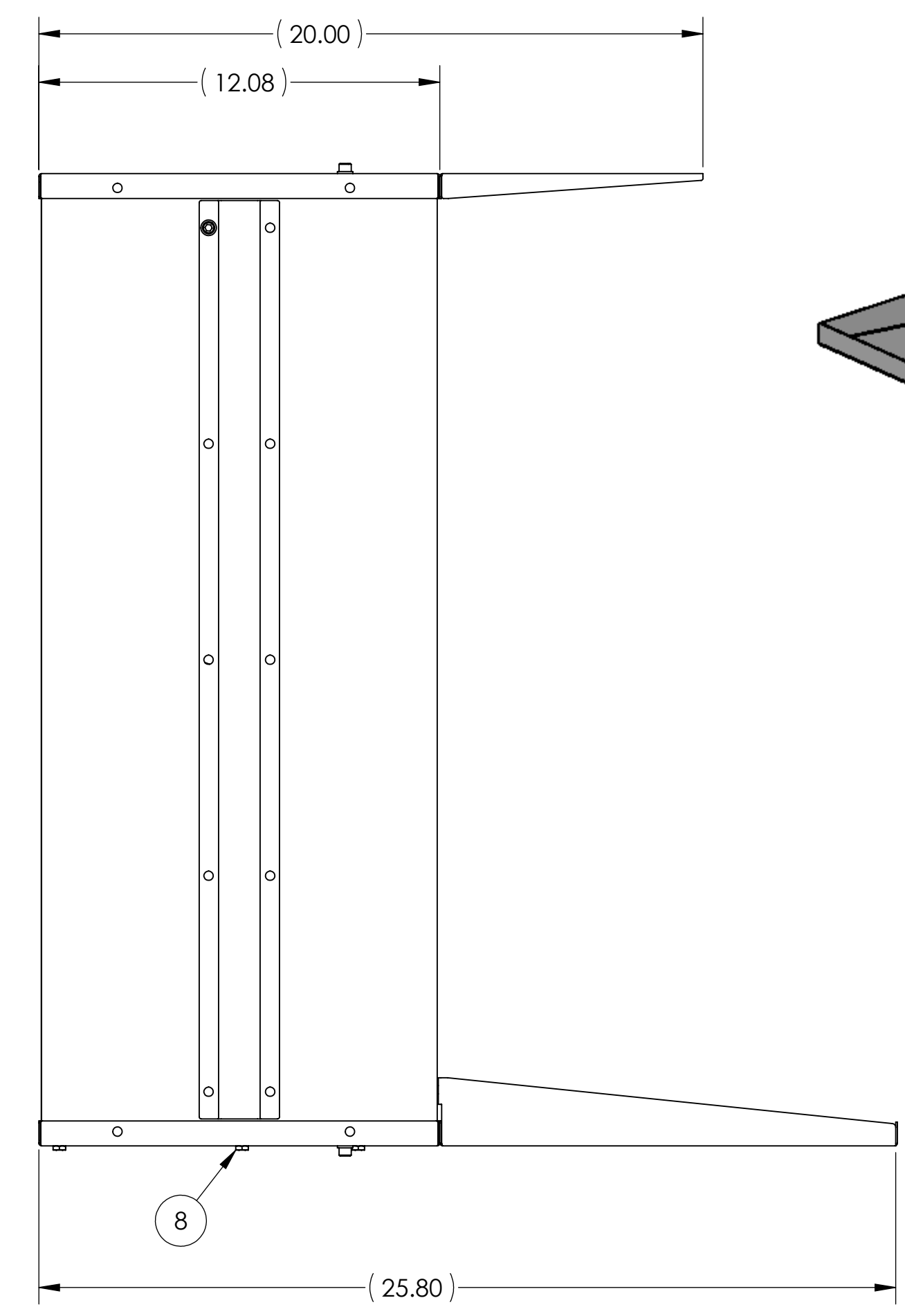
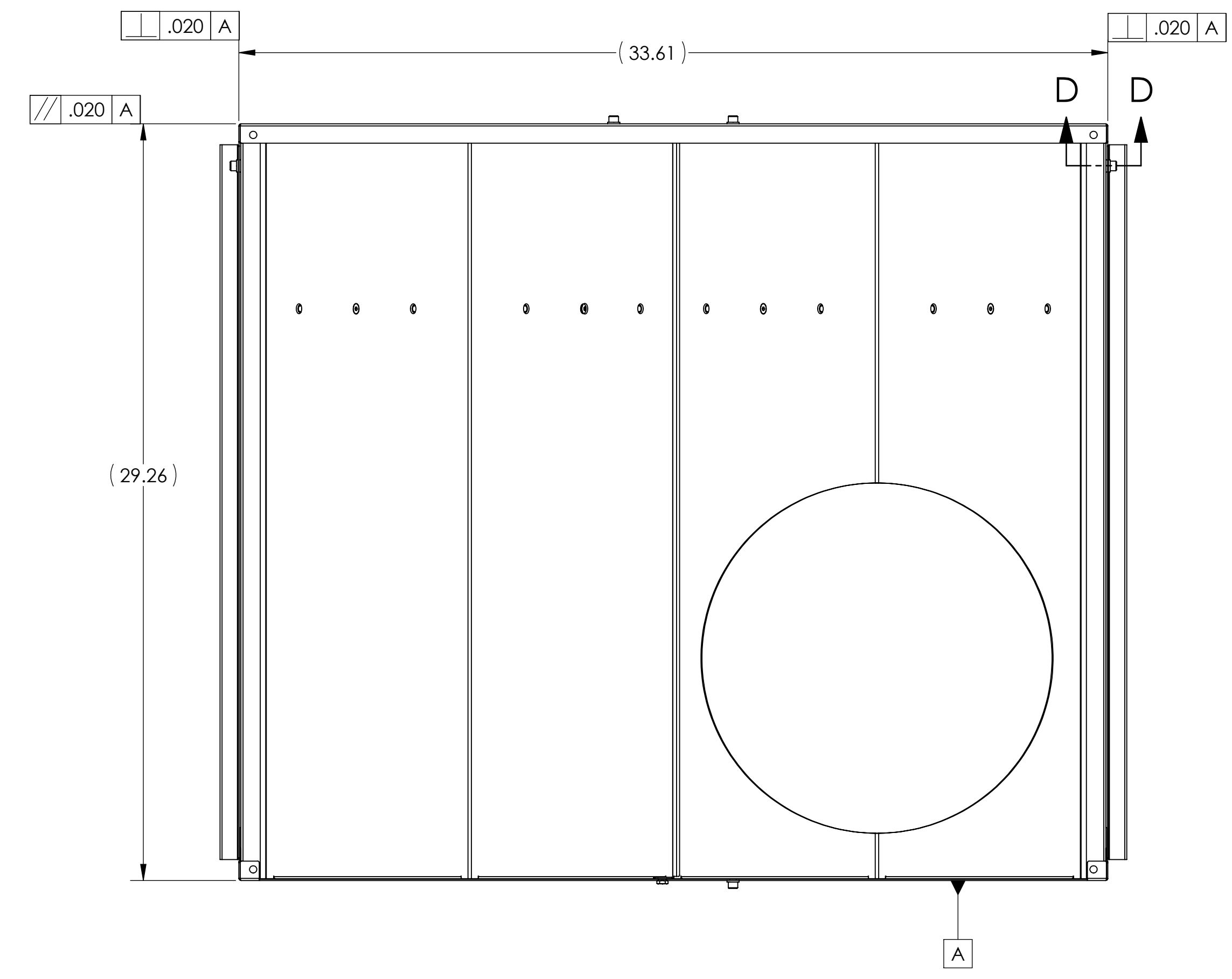
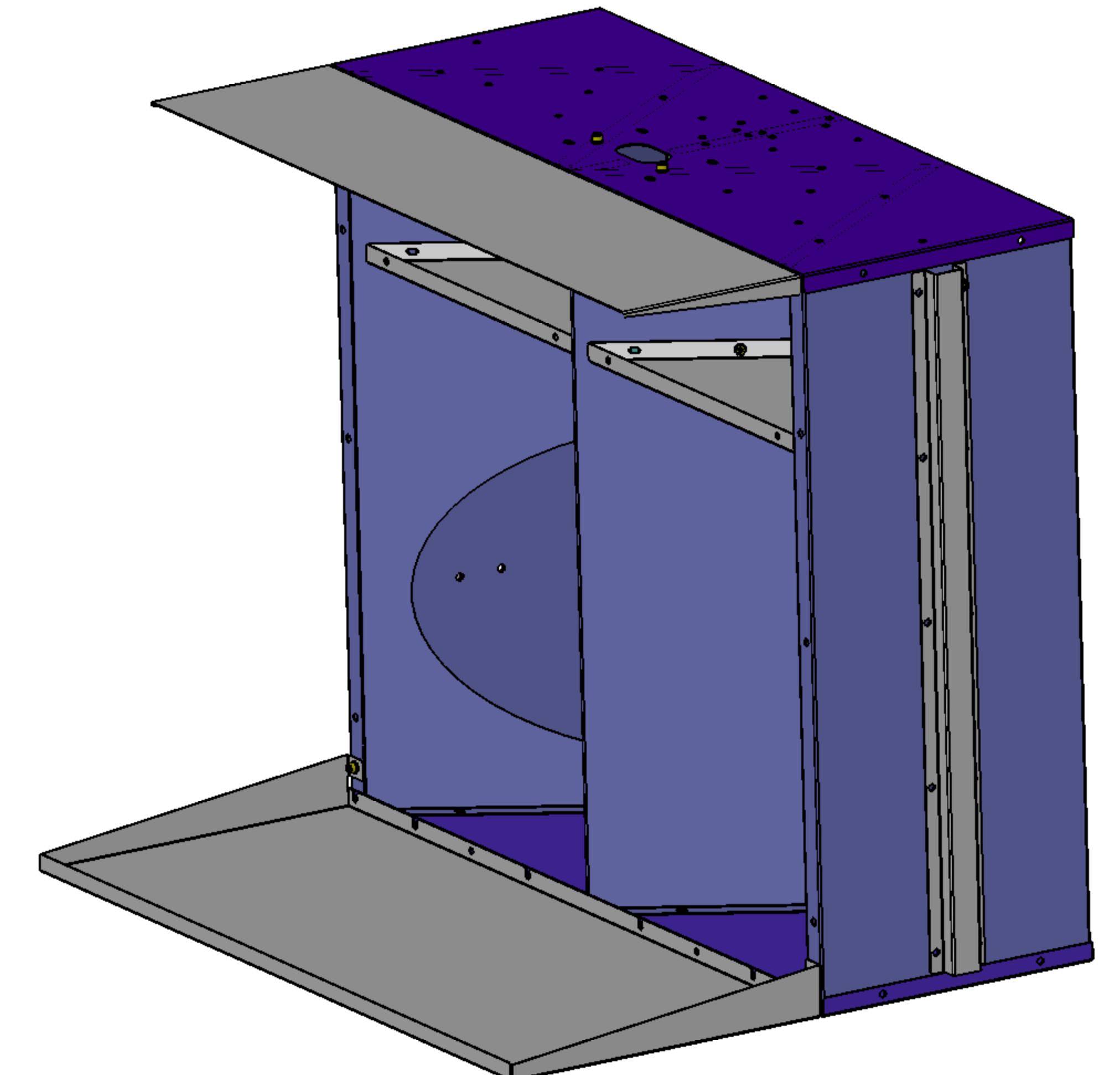
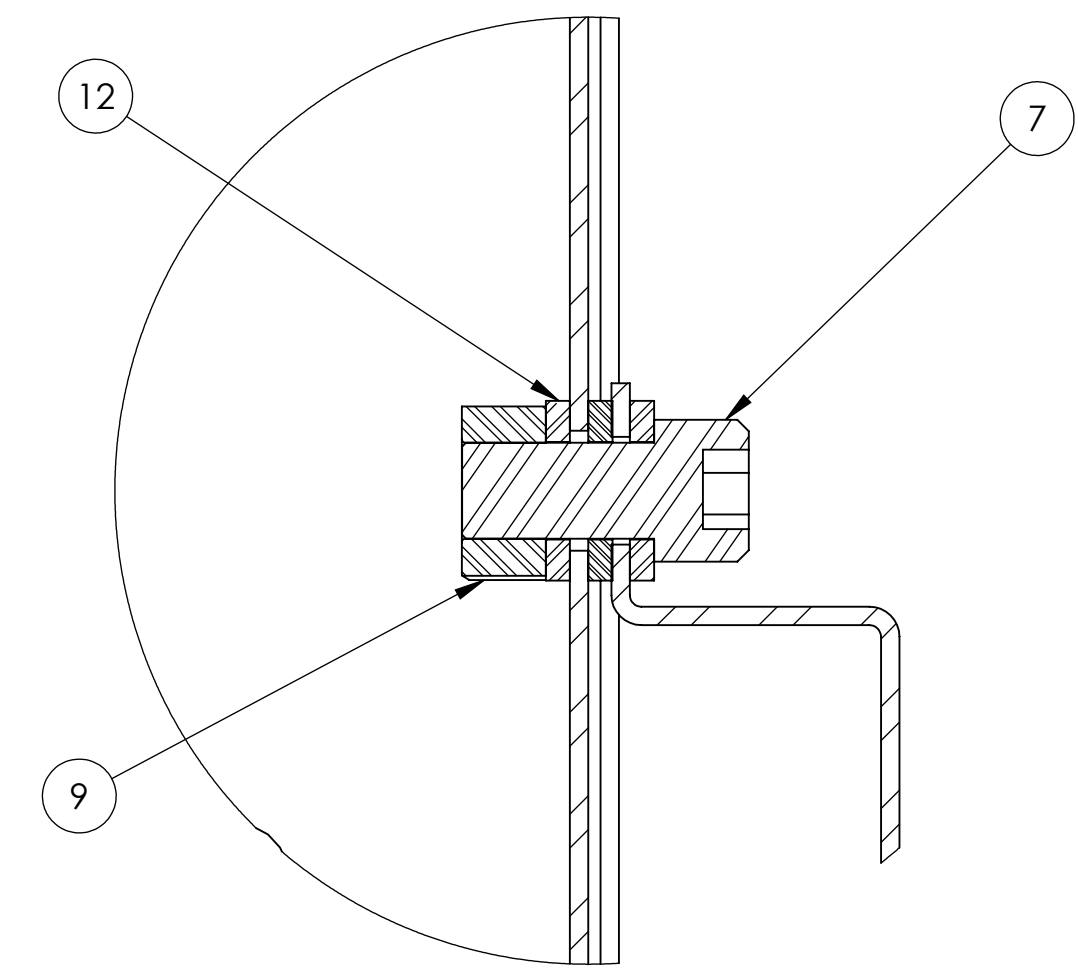
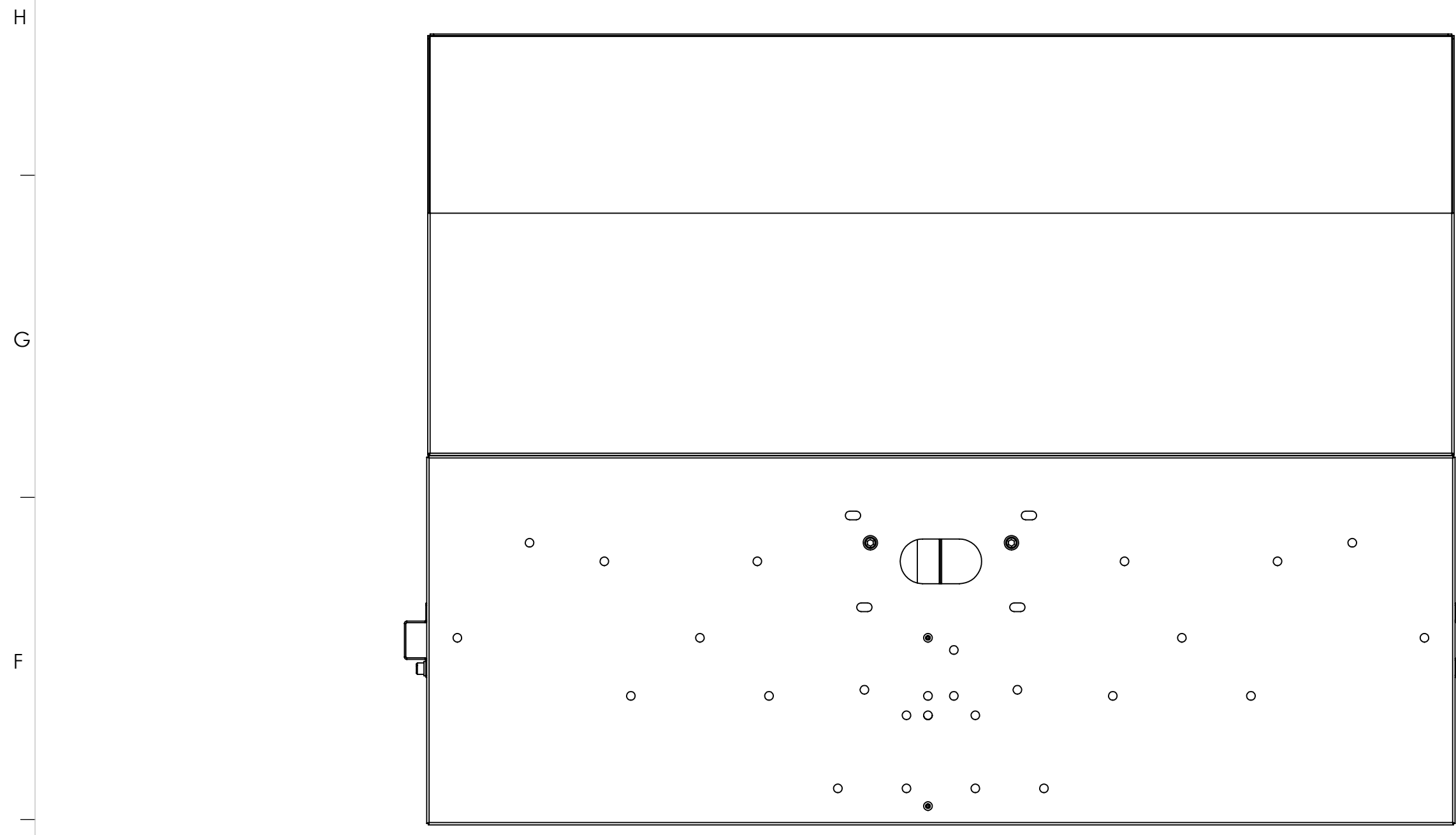


**D1002356-02  
ACB 1 HOLE LEFT-QPD BOX ASSY**

<b>LIGO</b> CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		
SIZE	DWG. NO.	REV.
D	D1002356	v1
SCALE: 1:1	PROJECTION:	SHEET 3 OF 5

D1002356\_AduLIGO\_ACS\_SLC\_ARM\_Cavity\_Baffle\_1\_Hole\_Box Assy\_PART PDM REV: X011, DRAWING PDM REV: X008

8 7 6 5 4 3 2 1



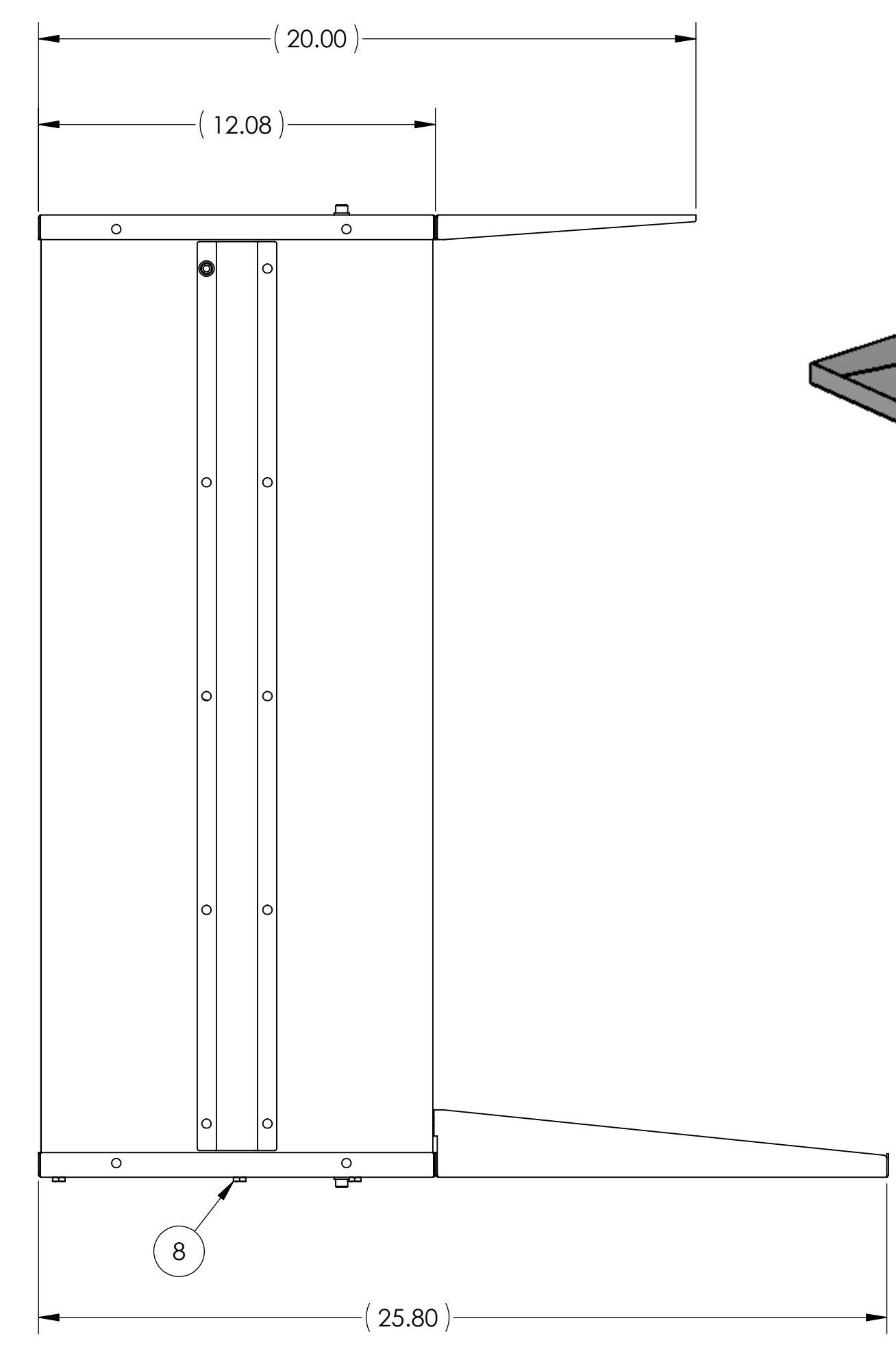
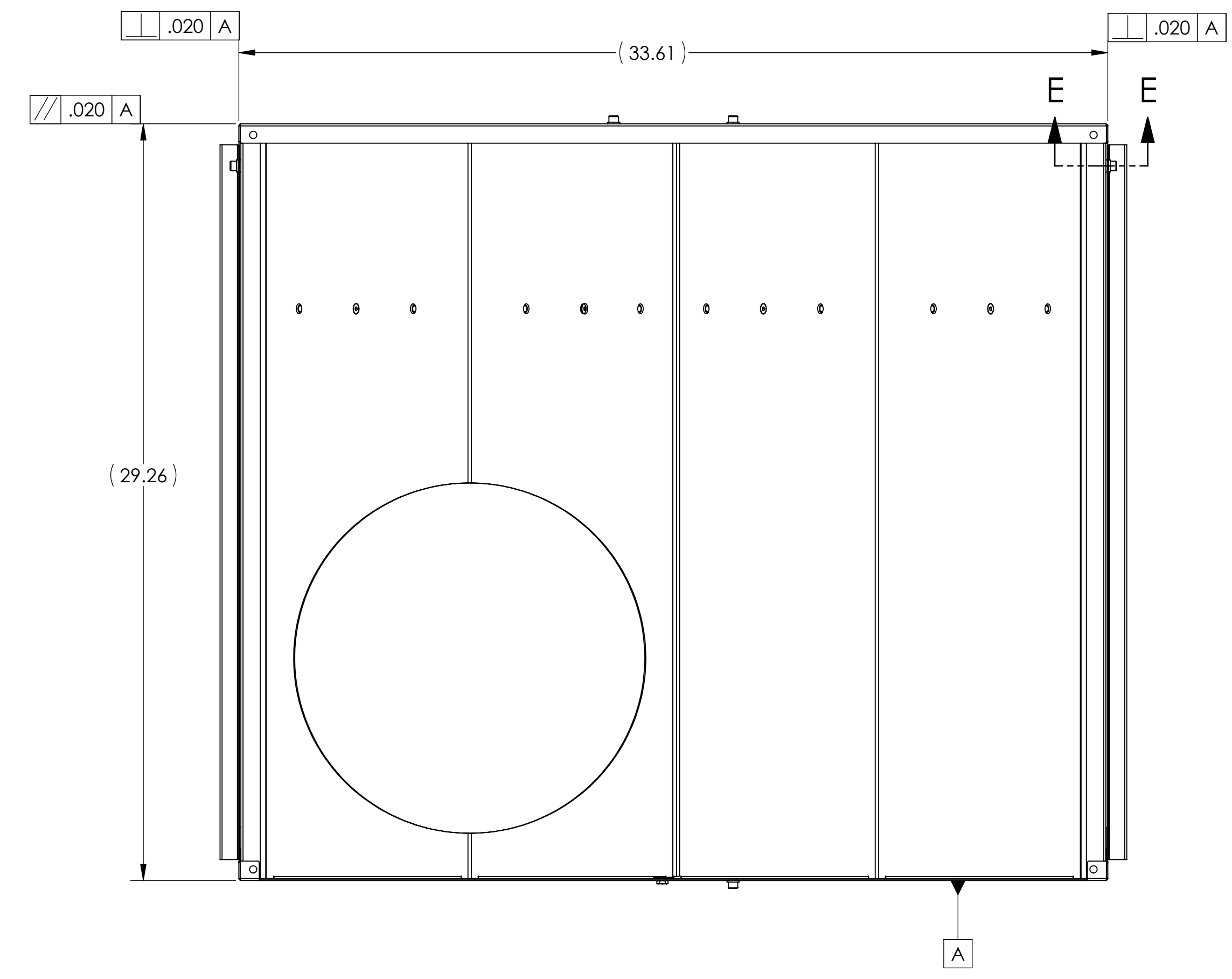
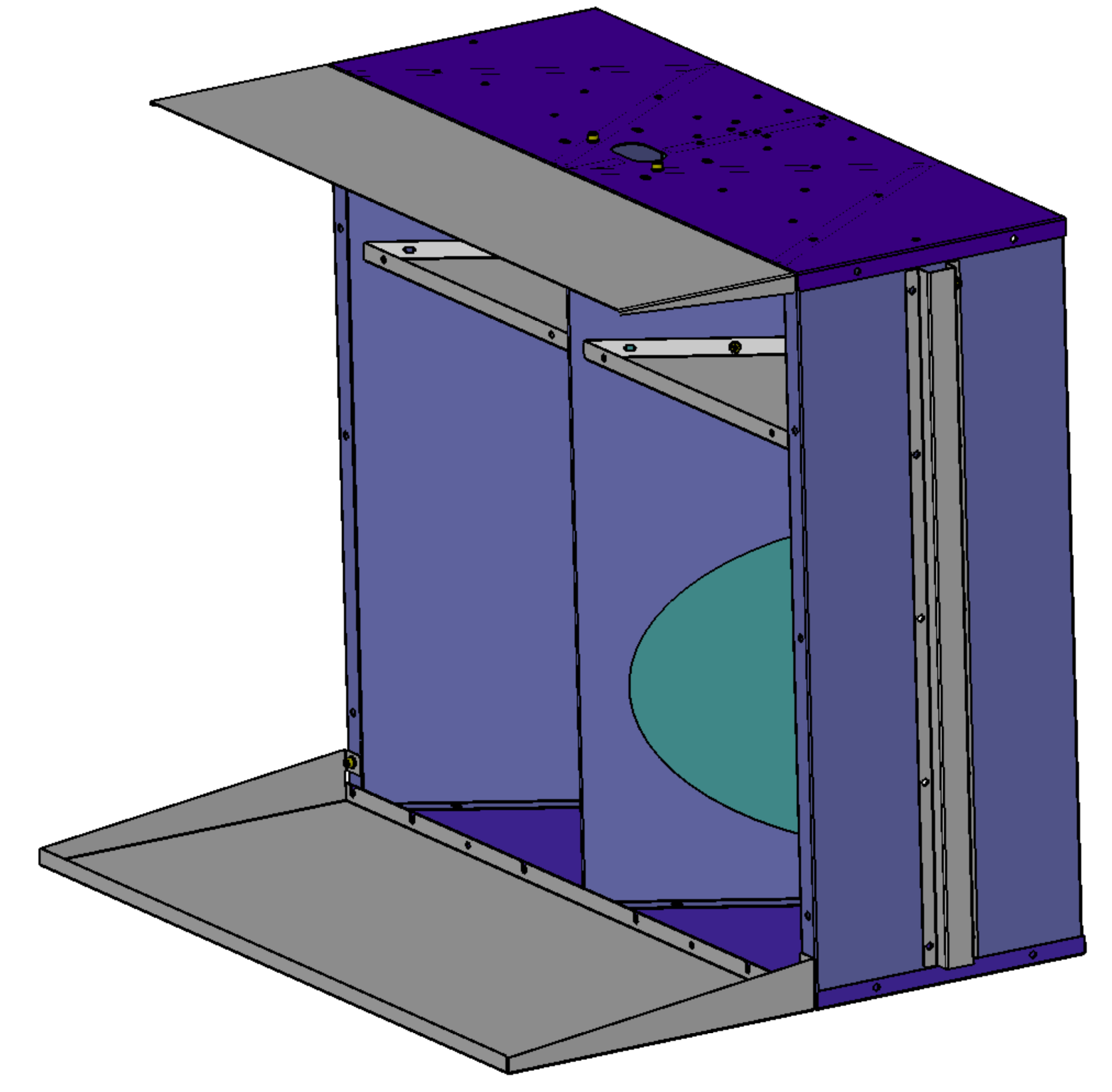
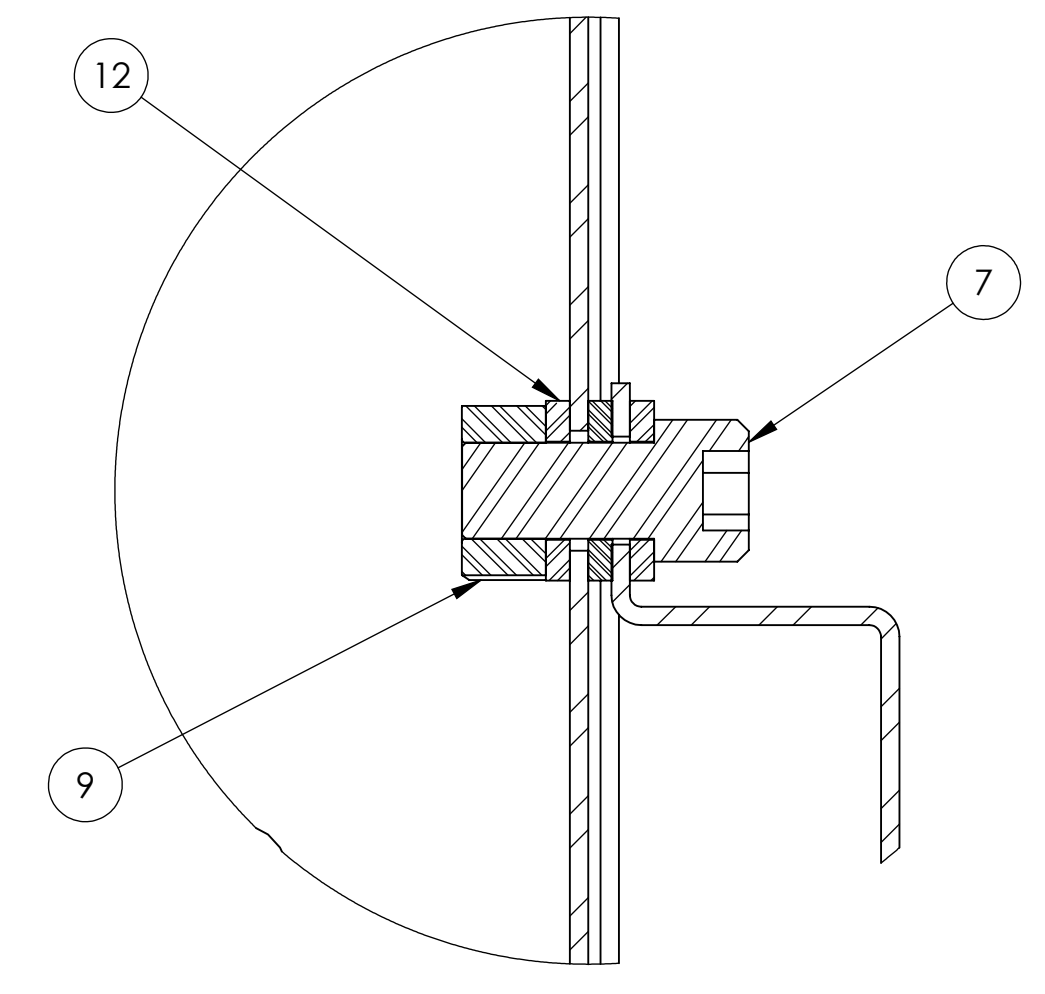
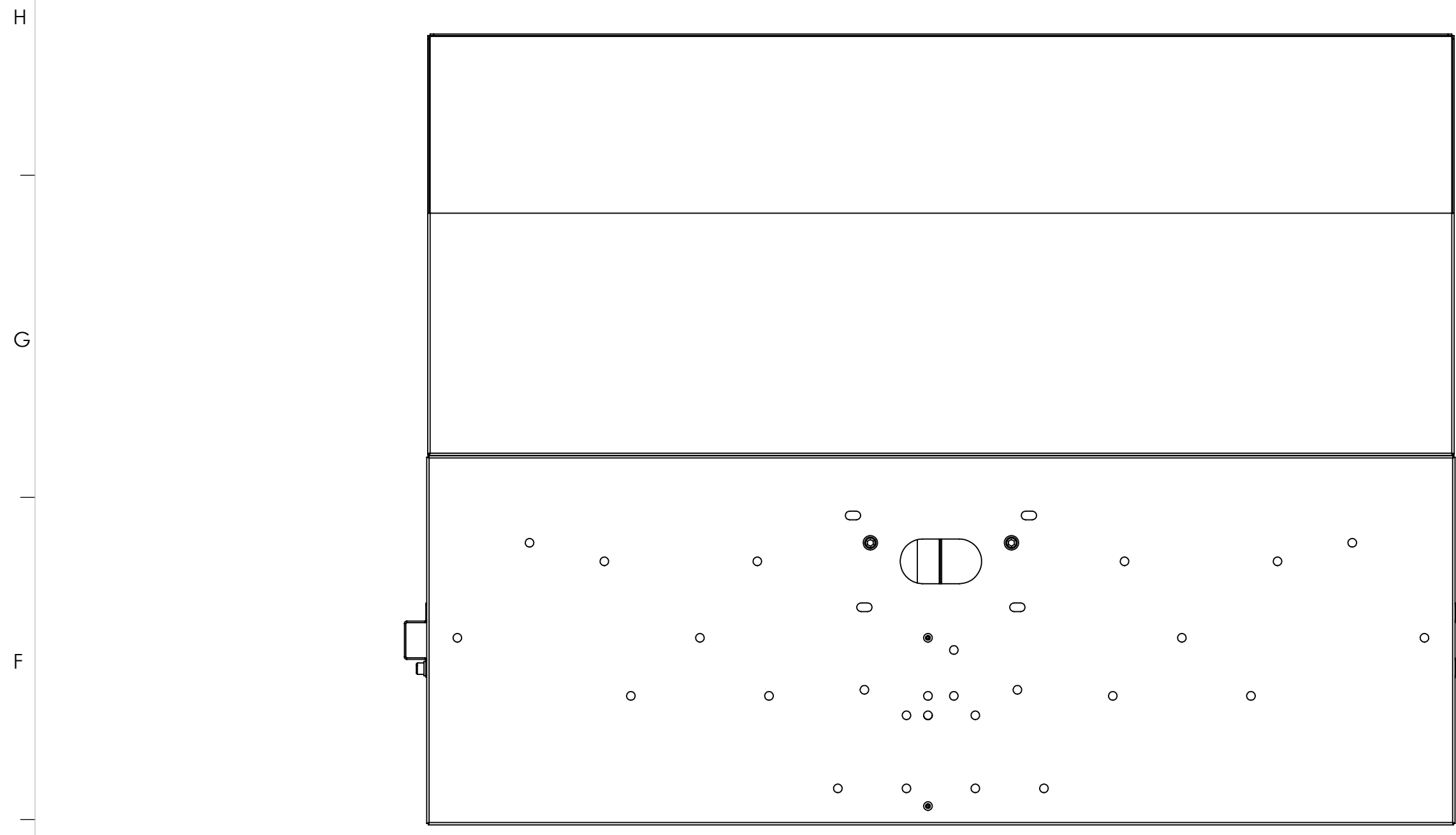
**D1002356-03**  
**ACB 1 HOLE RIGHT NO QPD BOX ASSY**

<b>LIGO</b> CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		
SIZE DWG. NO.	D1002356	REV. v1
SCALE: 1:1	PROJECTION:	SHEET 4 OF 5

D1002356\_AduLIGO\_ACS\_SLC\_ARM\_Cavity\_Baffle\_1 Hole\_Box Assy\_PART PDM\_REV: X.011, DRAWING PDM\_REV: X.008

8 7 6 5 4 3 2 1

8 7 6 5 4 3 2 1



**D1002356-04**  
**ACB 1 HOLE LEFT NO QPD BOX ASSY**

<b>LIGO</b> CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		REV.
SIZE DWG. NO.	<b>D1002356</b>	v1
SCALE: 1:1	PROJECTION:	SHEET 5 OF 5

D1002356\_AduLIGO\_AOS\_SLC\_ARM\_Cavity\_Baffle\_1 Hole\_Box Assy\_PART PDM\_REV.X011\_DRAWING PDM\_REV.X008

8 7 6 5 4 3 2 1