

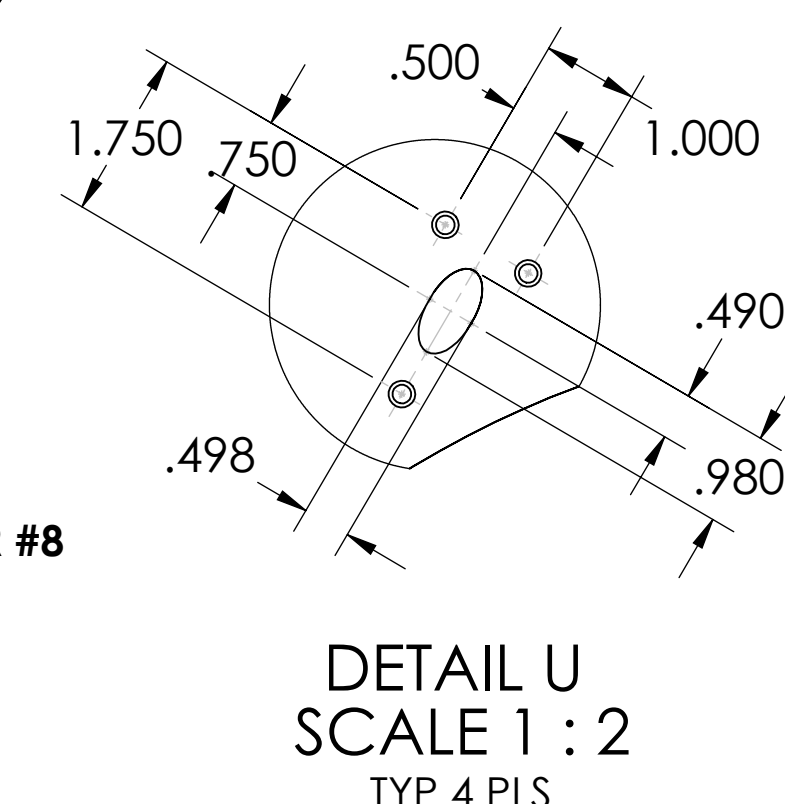
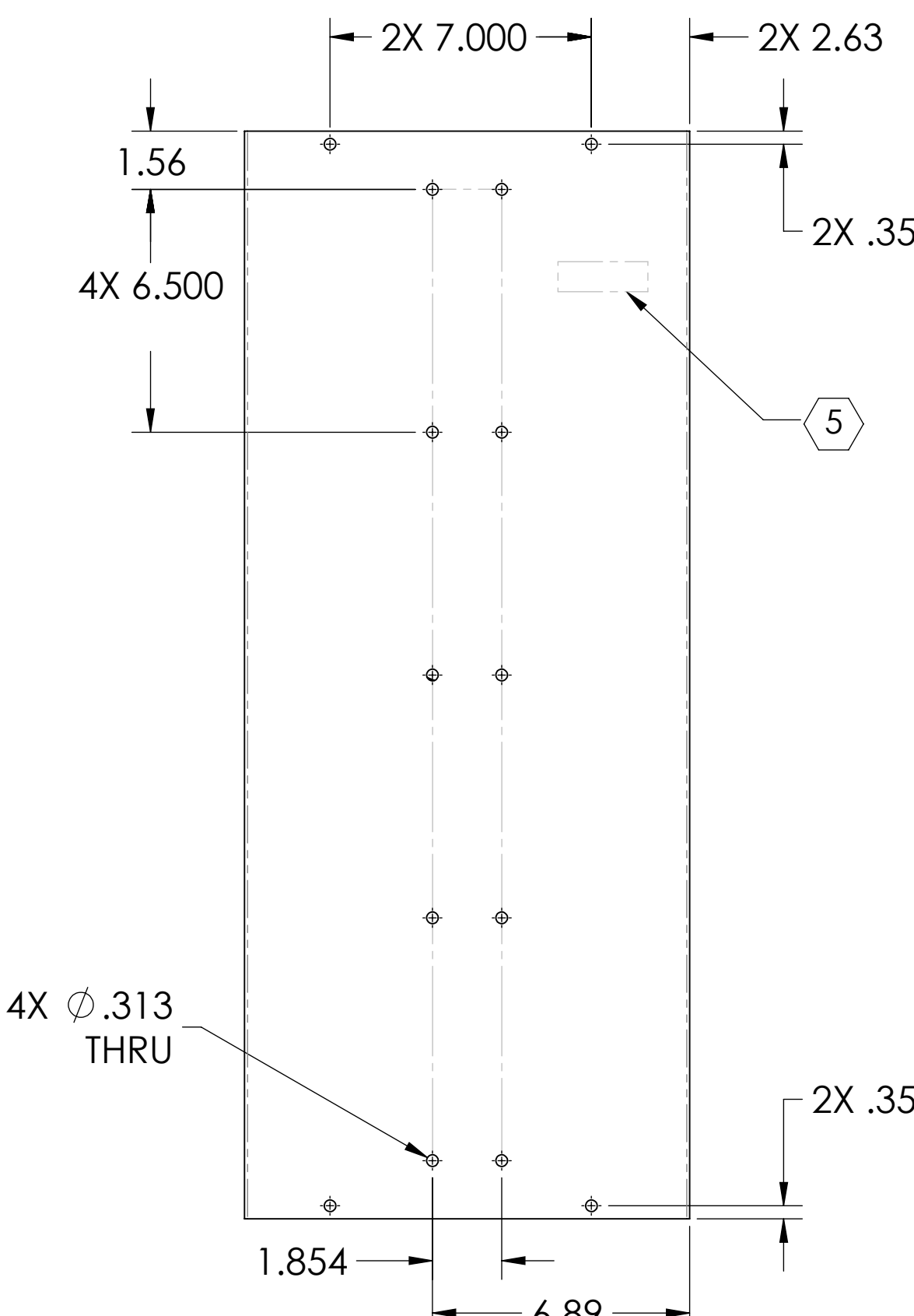
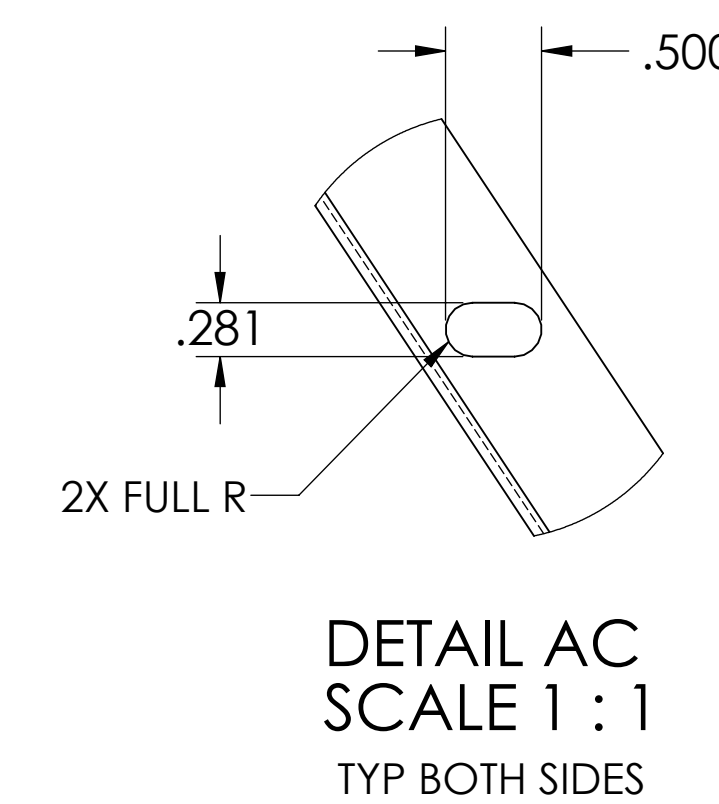
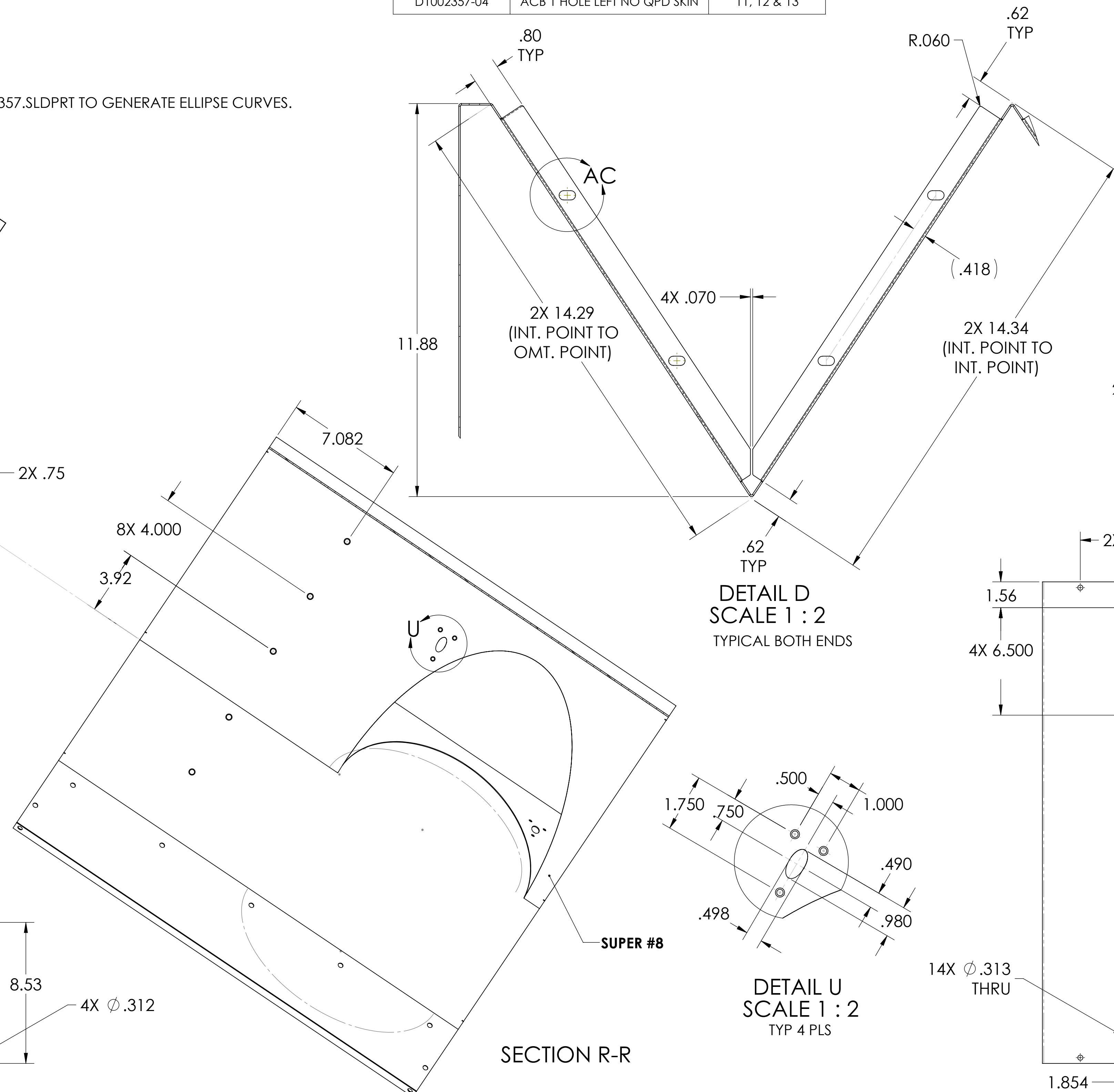
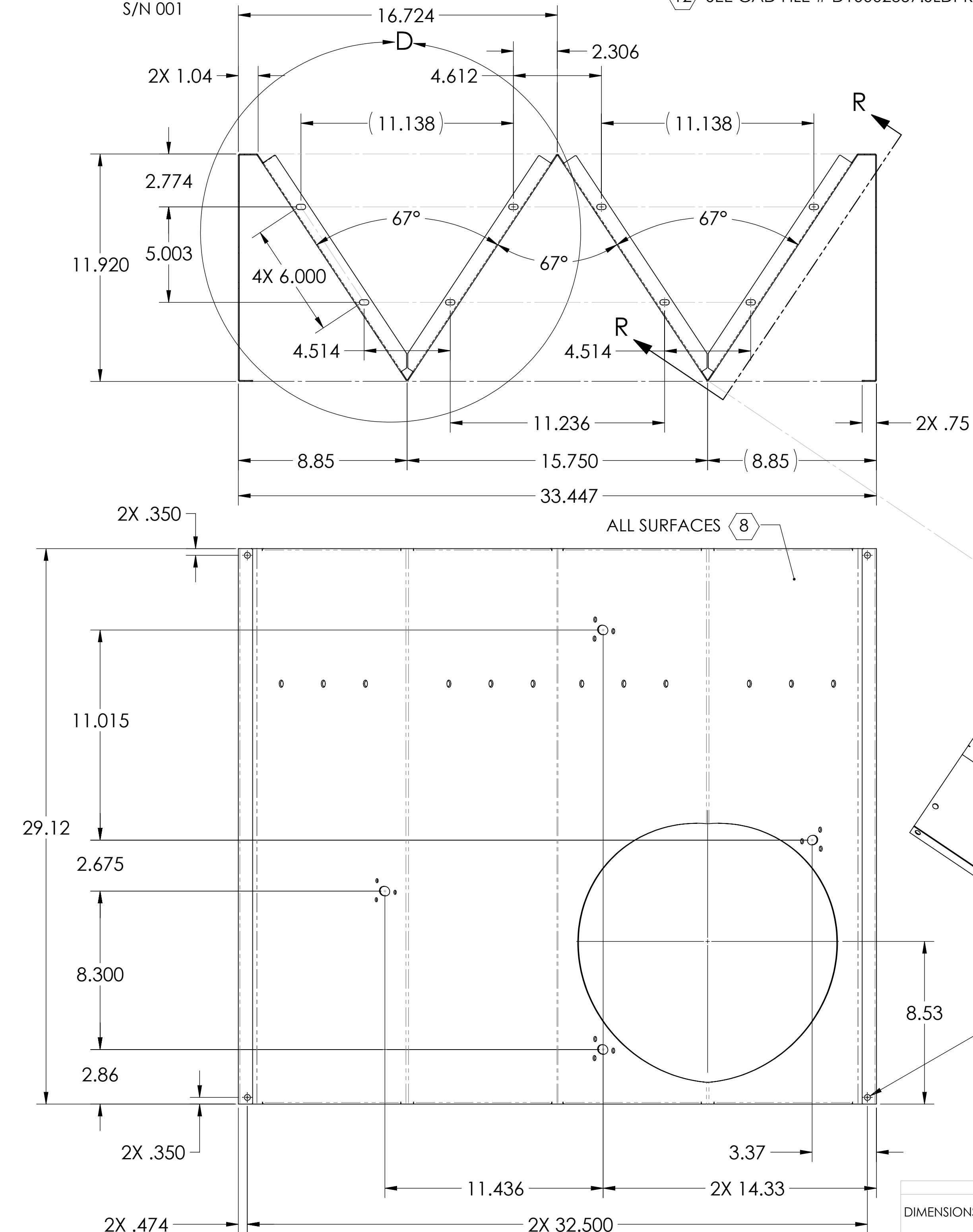
NOTES: UNLESS OTHERWISE SPECIFIED

1. INTERPRET DRAWING PER ASME Y14.5-1994.
2. REMOVE ALL SHARP EDGES .005-.015 ON ALL EDGES AND HOLES
3. DO NOT SCALE FROM DRAWING.
4. ALL MACHINE FLUIDS MUST BE FULLY SYNTHETIC, FULL WATER SOLUBLE AND FREE OF SULFUR, SILICONE AND CHLORINE PER LIGO DOCUMENT E0900237.
5. MECHANICALLY STAMP (NO INKS OR DYES) PART NUMBER, REVISION AND SERIAL NUMBER .020 DEEP WITH MINIMUM CHARACTER HEIGHT .156 APPROXIMATELY WHERE SHOWN. SERIAL NUMBER WILL START AT 001 AND PROCEED CONSECUTIVELY. EXAMPLE: D100XXX=V1 S/N 001

6. ALL PARTS SHALL BE MANUFACTURED IN ACCORDANCE WITH LIGO SPEC E0900364.
7. ALL MATERIAL IS TO BE VIRGIN MATERIAL (I.E. NO WELD REPAIRS OR PLUGS) UNLESS APPROVED IN ADVANCE, IN WRITING, BY LIGO PER SPECIFICATION E0900364.
8. SURFACE FINISH TO BE AS-PROCESSED FROM MILL/SUPPLIER, FREE FROM SCRATCHES OR GOUGES.
9. DELETED
10. DELETED
11. DELETED
12. SEE CAD FILE # D10002357.SLDPRN TO GENERATE ELLIPSE CURVES.

REV.	DATE	DCN #	DRAWING TREE #
v1	03 JAN 2011	E1000868	
v2	20 MAR 2011	E1100216	
v3	19 SEP 2011	E1100335	

PART NO.	DESCRIPTION	SEE SHEET NO.
D1002357-01	ACB 1 HOLE RIGHT-QPD SKIN	1, 2, 3 & 4
D1002357-02	ACB 1 HOLE LEFT-QPD SKIN	5, 6 & 7
D1002357-03	ACB 1 HOLE RIGHT NO QPD SKIN	8, 9 & 10
D1002357-04	ACB 1 HOLE LEFT NO QPD SKIN	11, 12 & 13



SECTION R-R

**D1002357-01
ONE HOLE RIGHT QPD SKIN**

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)

DIMENSIONS ARE IN INCHES

TOLERANCES:
.XX ± .03
.XXX ± .015
ANGULAR ± 1.0°

SEE TOP LEFT FOR NOTES

MATERIAL: 18 GAUGE, 304 SSSL

FINISH: SUPER #8

SYSTEM: ADVANCED LIGO

SUB-SYSTEM: AOS

PART NAME: ACB ONE HOLE SKIN

DESIGNER: N.Nguyen

DRAFTER: N. NGUYEN

CHECKER: M. SMITH

APPROVAL: D. COYNE

DATE: 20 Dec 2010

DATE: 20 DEC 2010

DATE: 10 JAN 2011

DATE: 20 JAN 2011

SIZE: D

DWG. NO.: D1002357

SCALE: 1:4

PROJECTION:

REVISION: v3

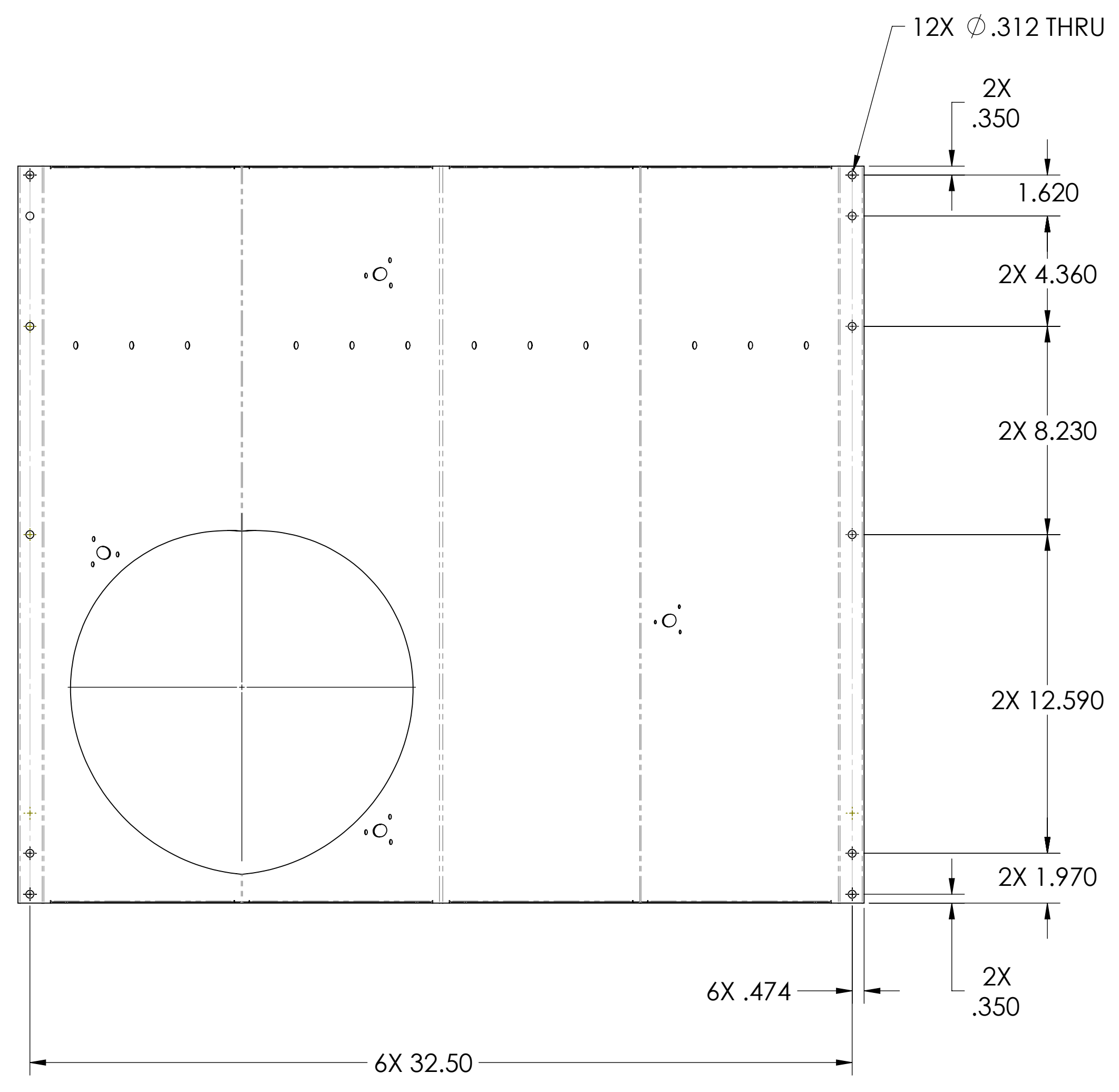
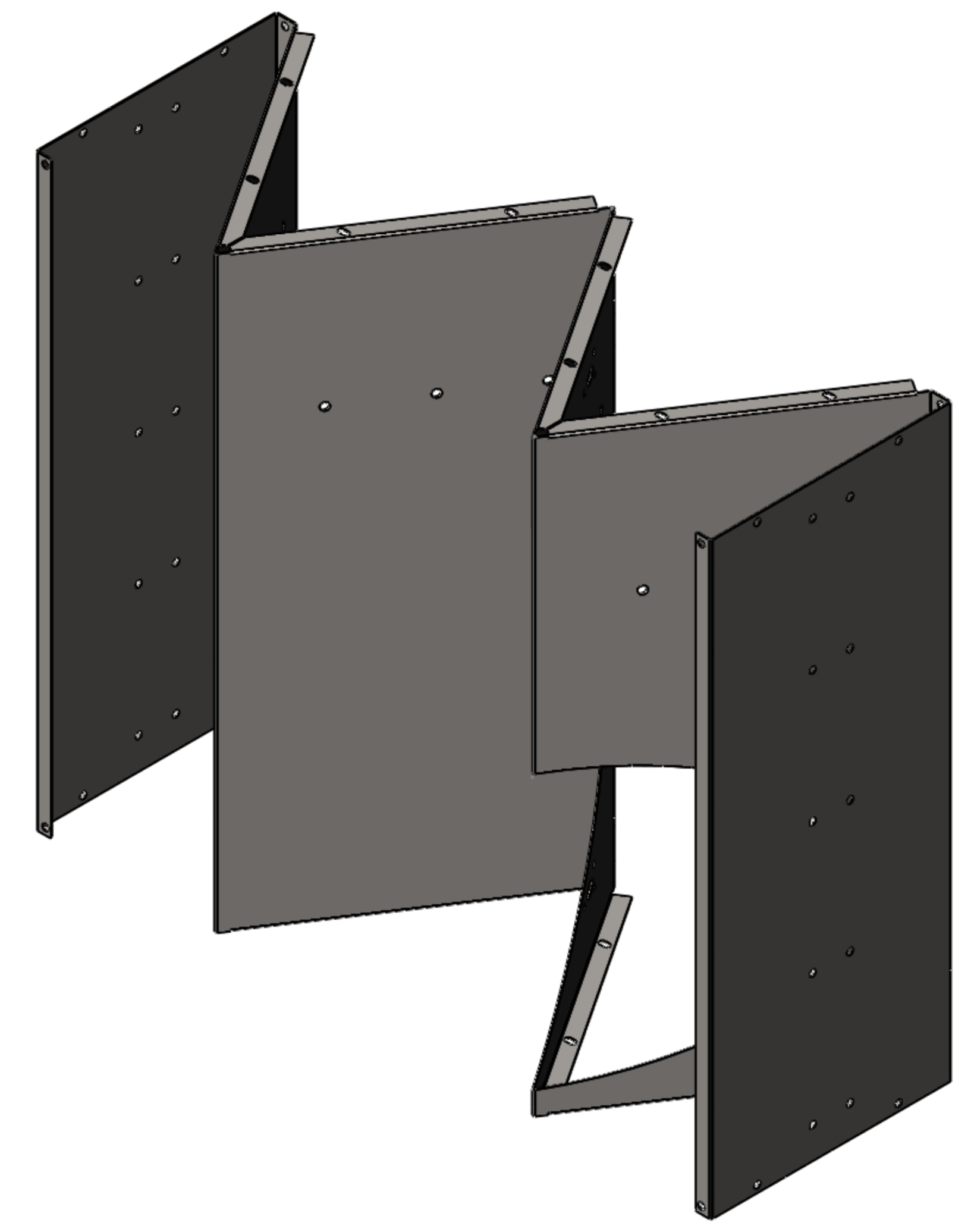
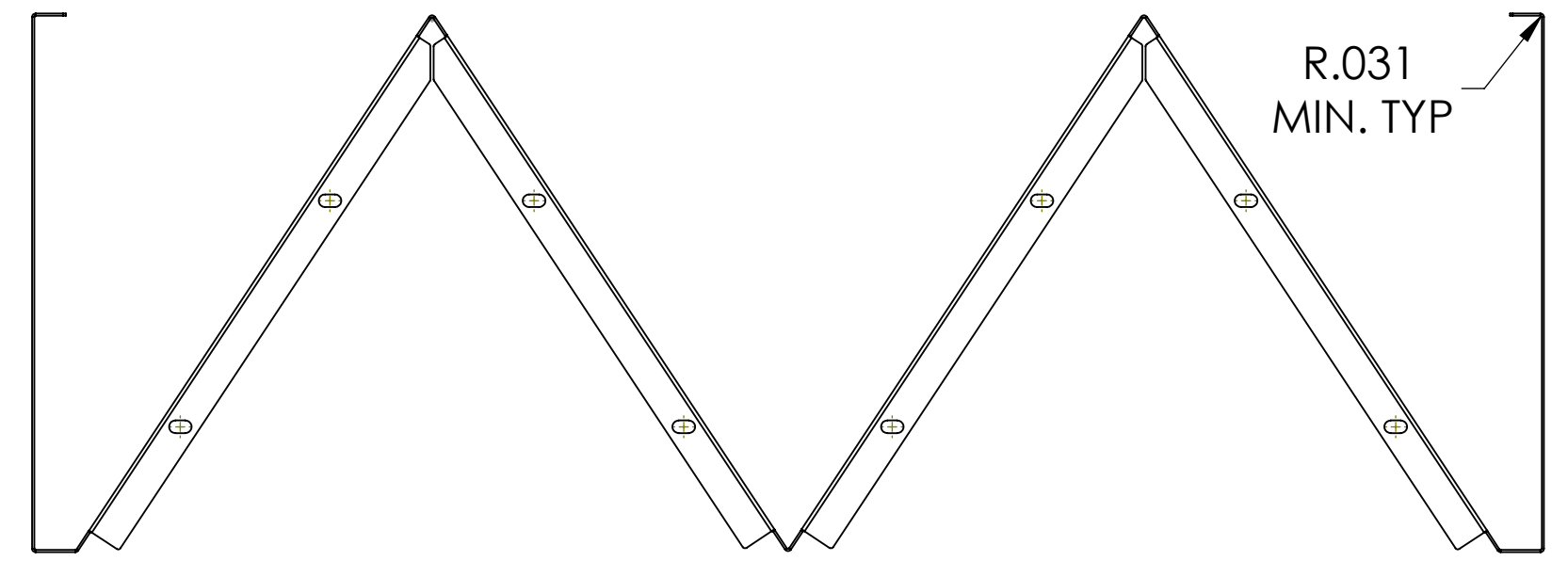
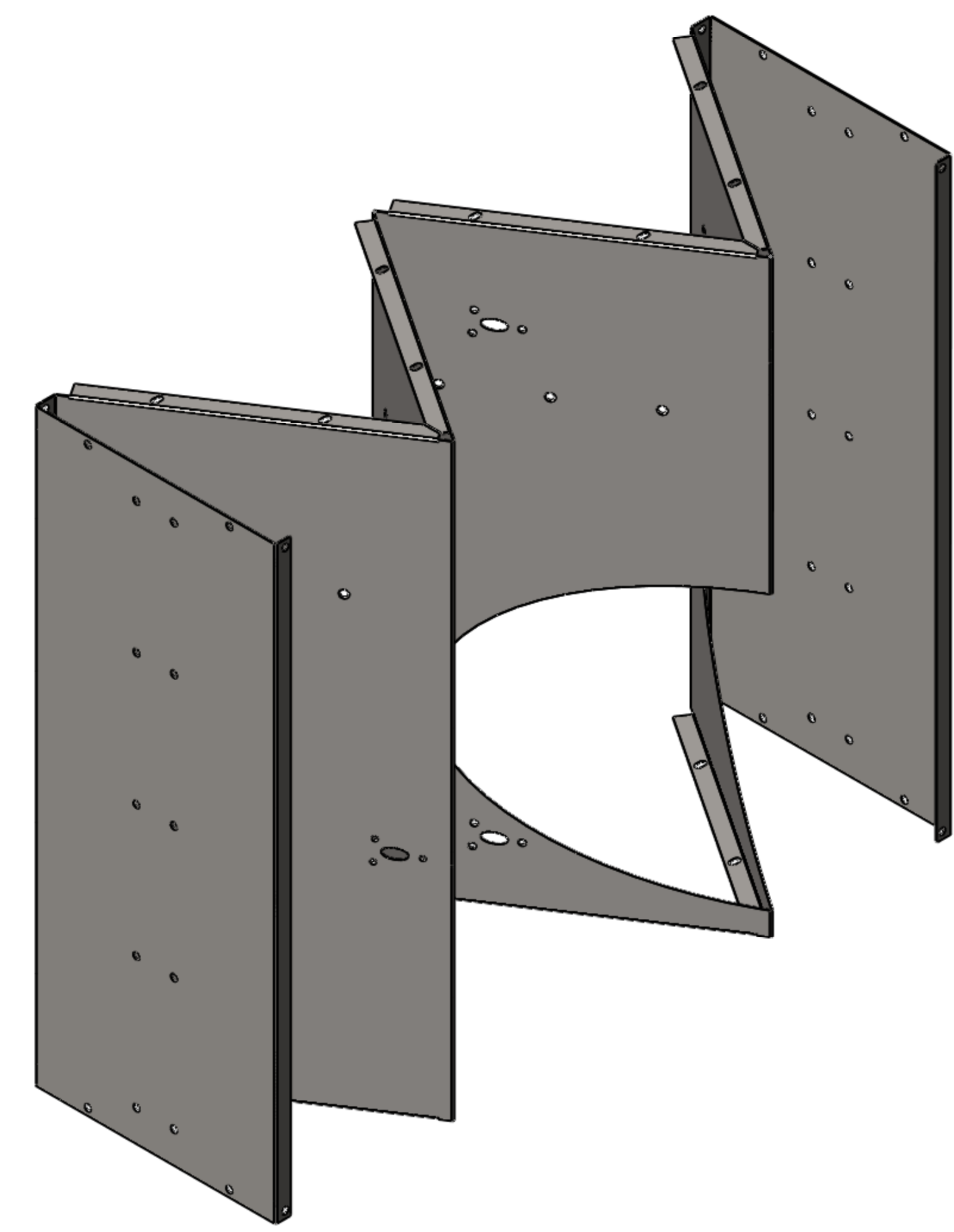
SHEET 1 OF 13

D:\002357_Audi\GO_ACS_SLC_ARM_Covilly\Bottle_1 Hole Skin_PART.PDM REV. X-021.DRAWING PDM REV. X-022

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**D1002357-01
ONE HOLE RIGHT QPD SKIN**

ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	REQ	SPARE	TOTAL
1	D1002357-01	ACB 1 HOLE RIGHT-QPD SKIN	18 GAUGE, 304 SSSL	1		1

LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

SIZE DWG. NO. **D1002357** REV. **v3**

SCALE: 1:4 PROJECTION: SHEET 2 OF 13

D1002357_AduLIGO_ACS_SLC_ARM_Covilly_Bottle_1 Hole Skin_PART PDM REV. X.021_DRAWING PDM REV. X.022

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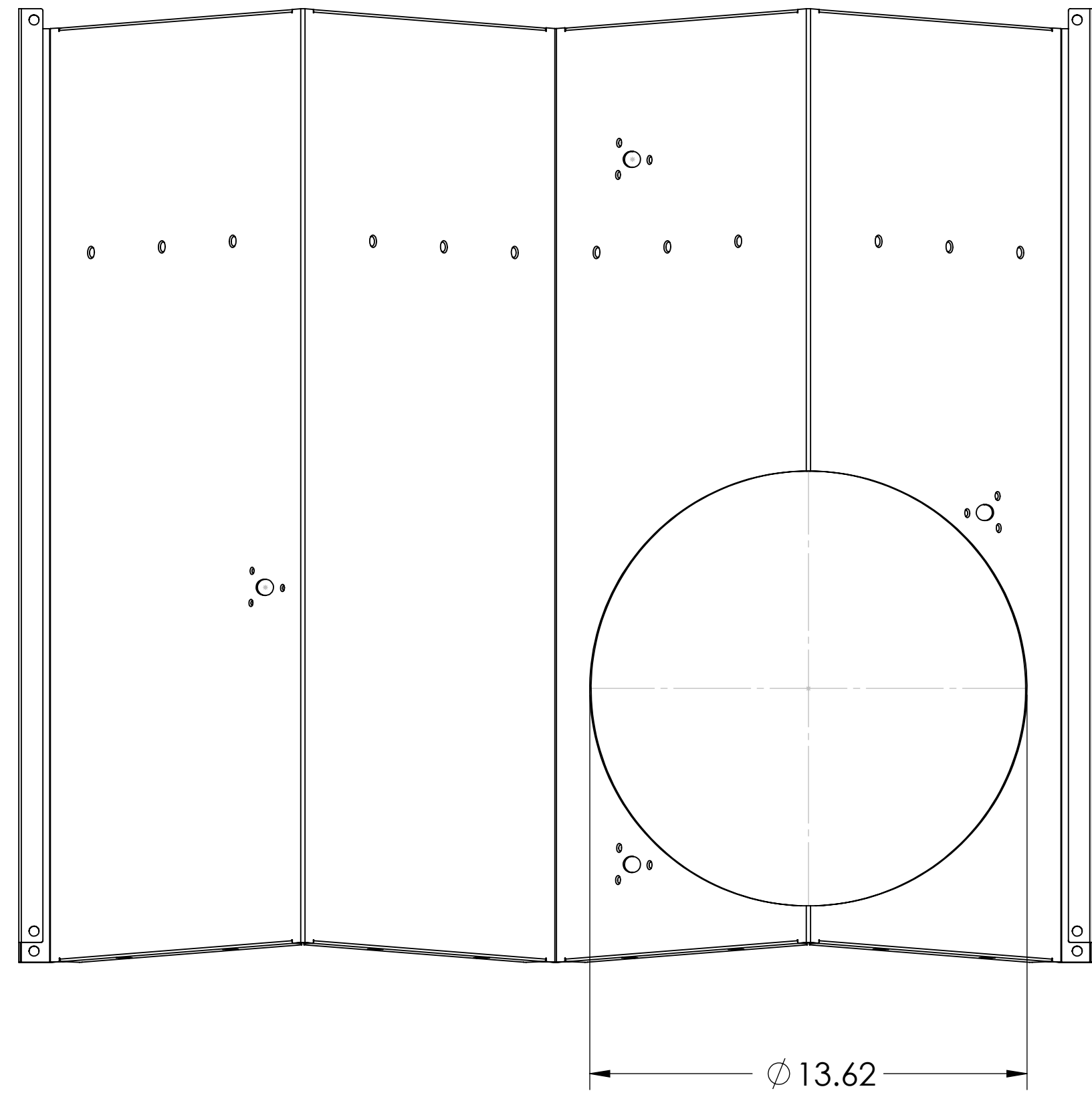
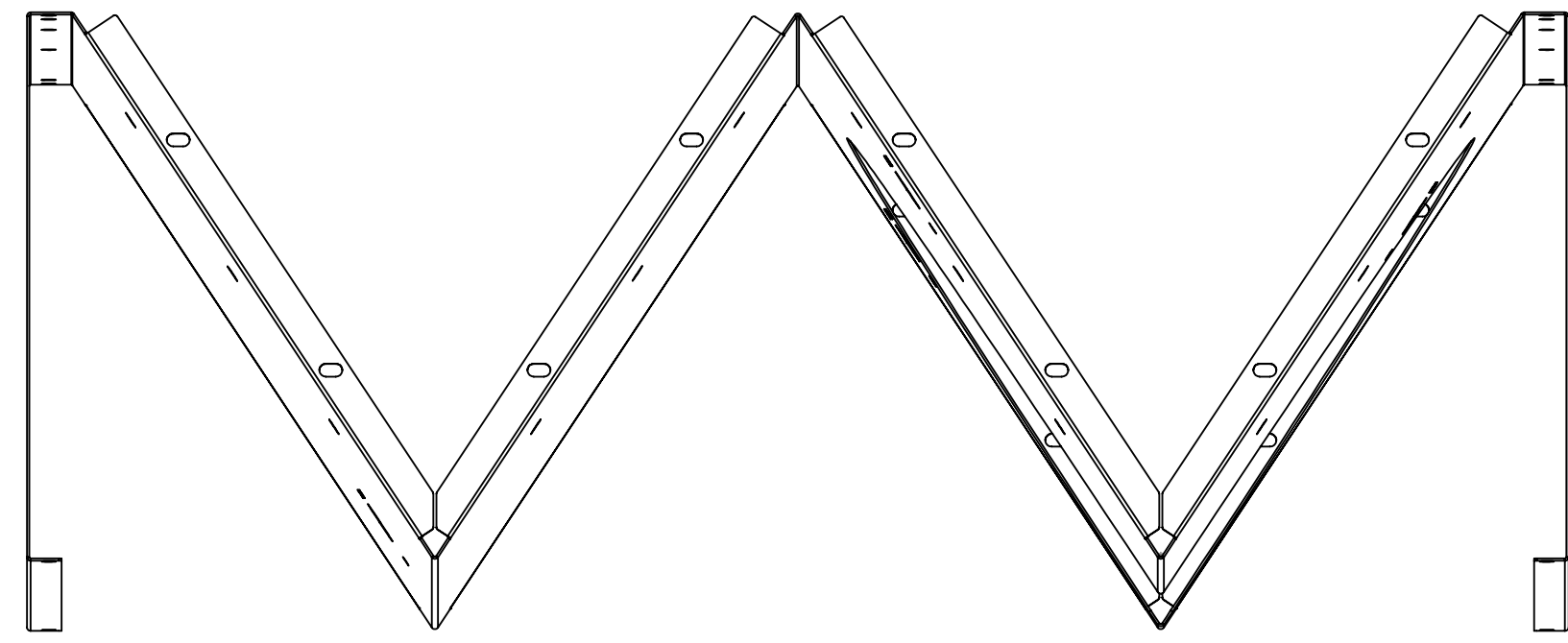
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D1002357-01
ONE HOLE LEFT QPD SKIN

 CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		REV.
SIZE	DWG. NO.	REV.
D	D1002357	v3
SCALE: 1:4	PROJECTION:	SHEET 3 OF 13

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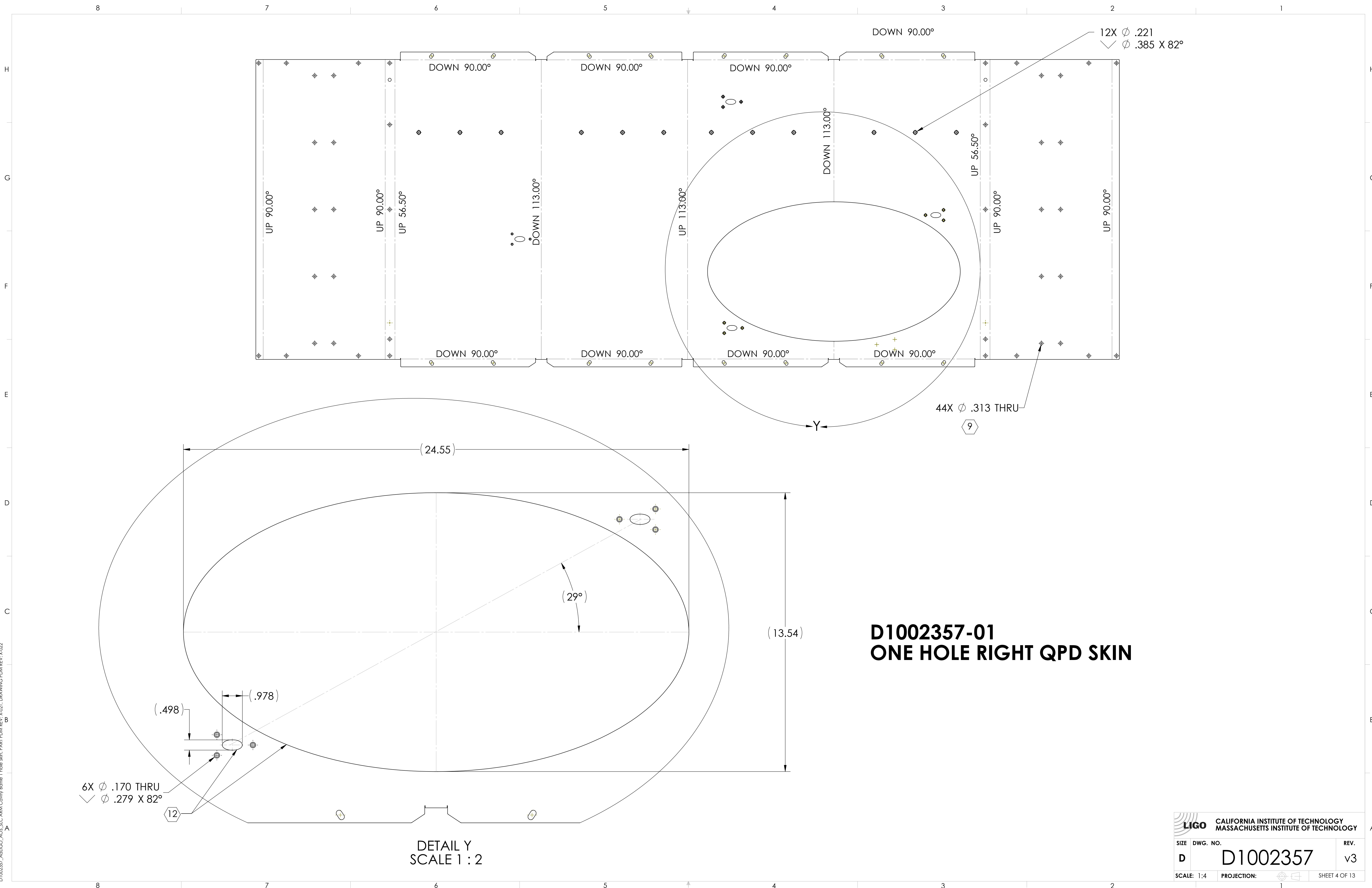
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D:\002357_Adu\GO_ACS_SLC_ARM_Covily_Bottle_1 Hole Skin_PART PDM_REV.X-021.DRAWING PDM_REV.X-022

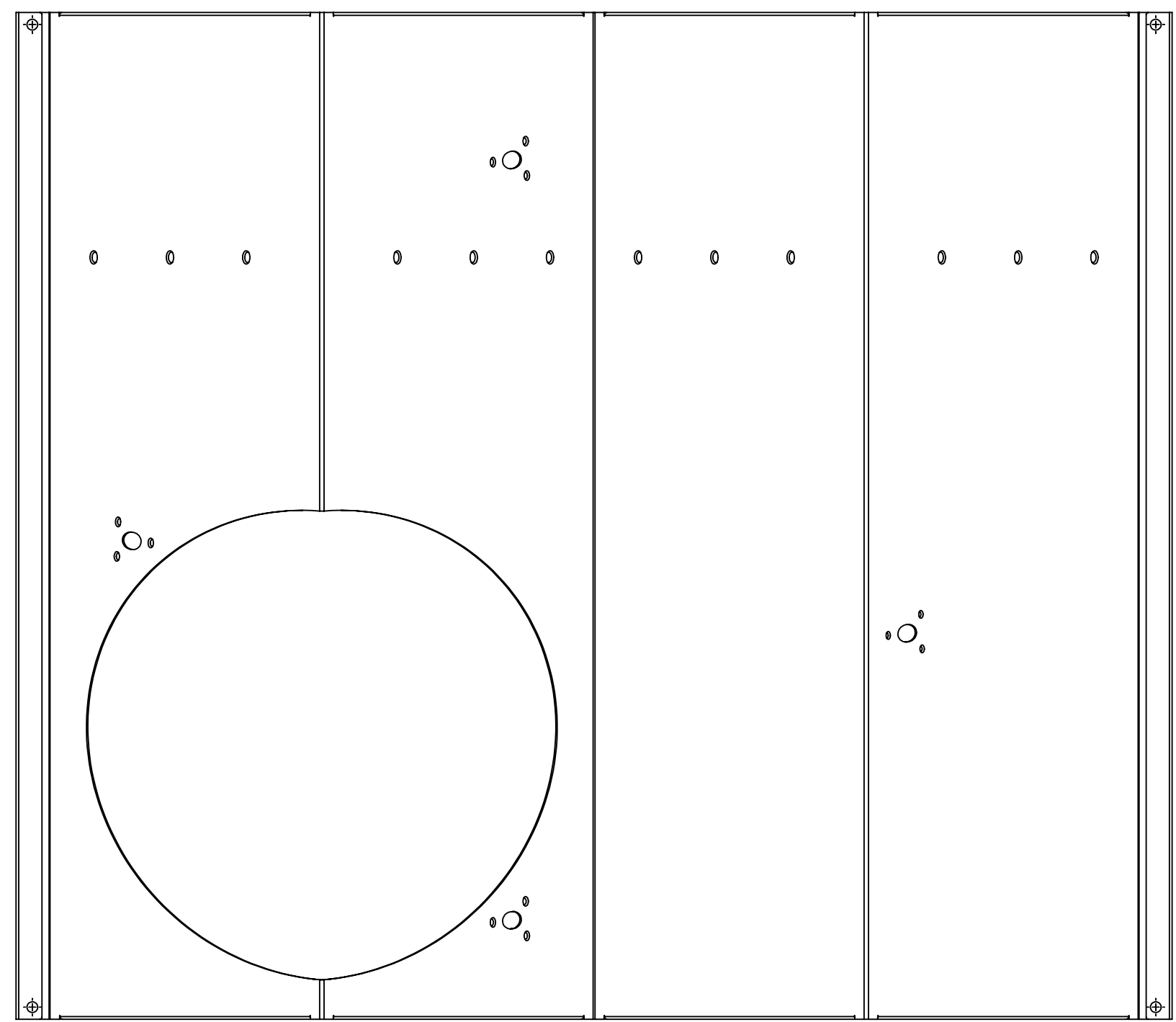
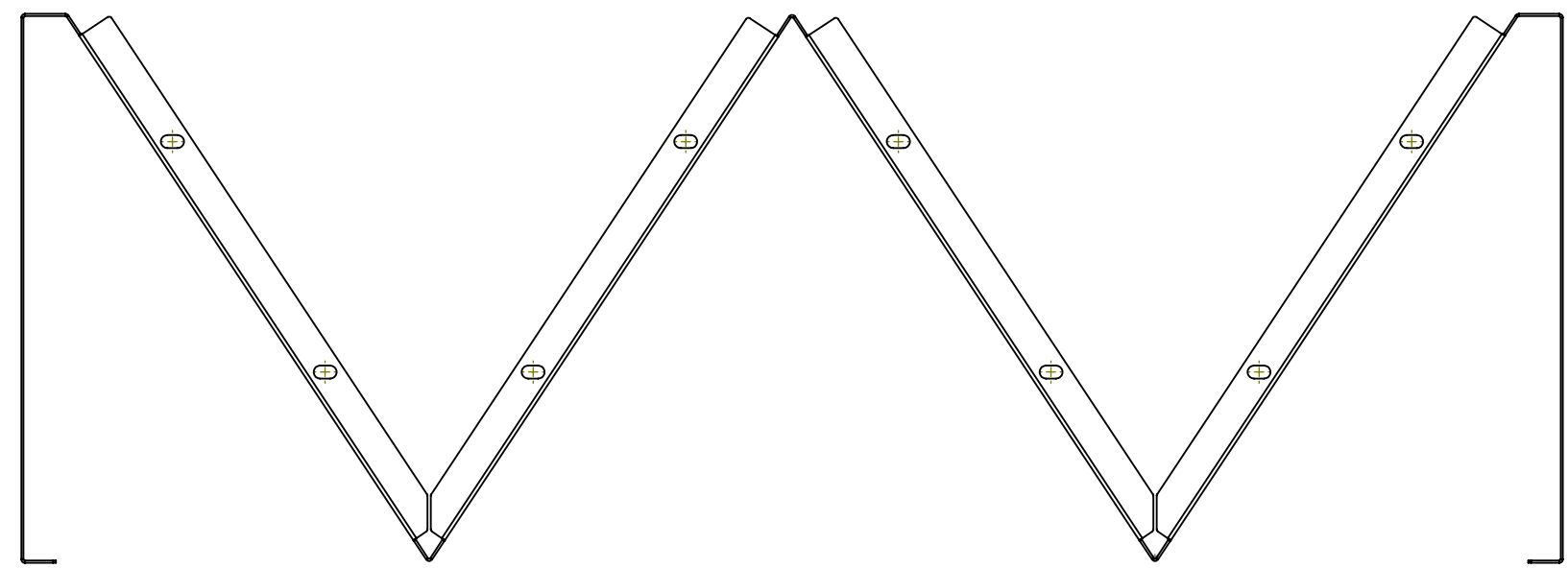
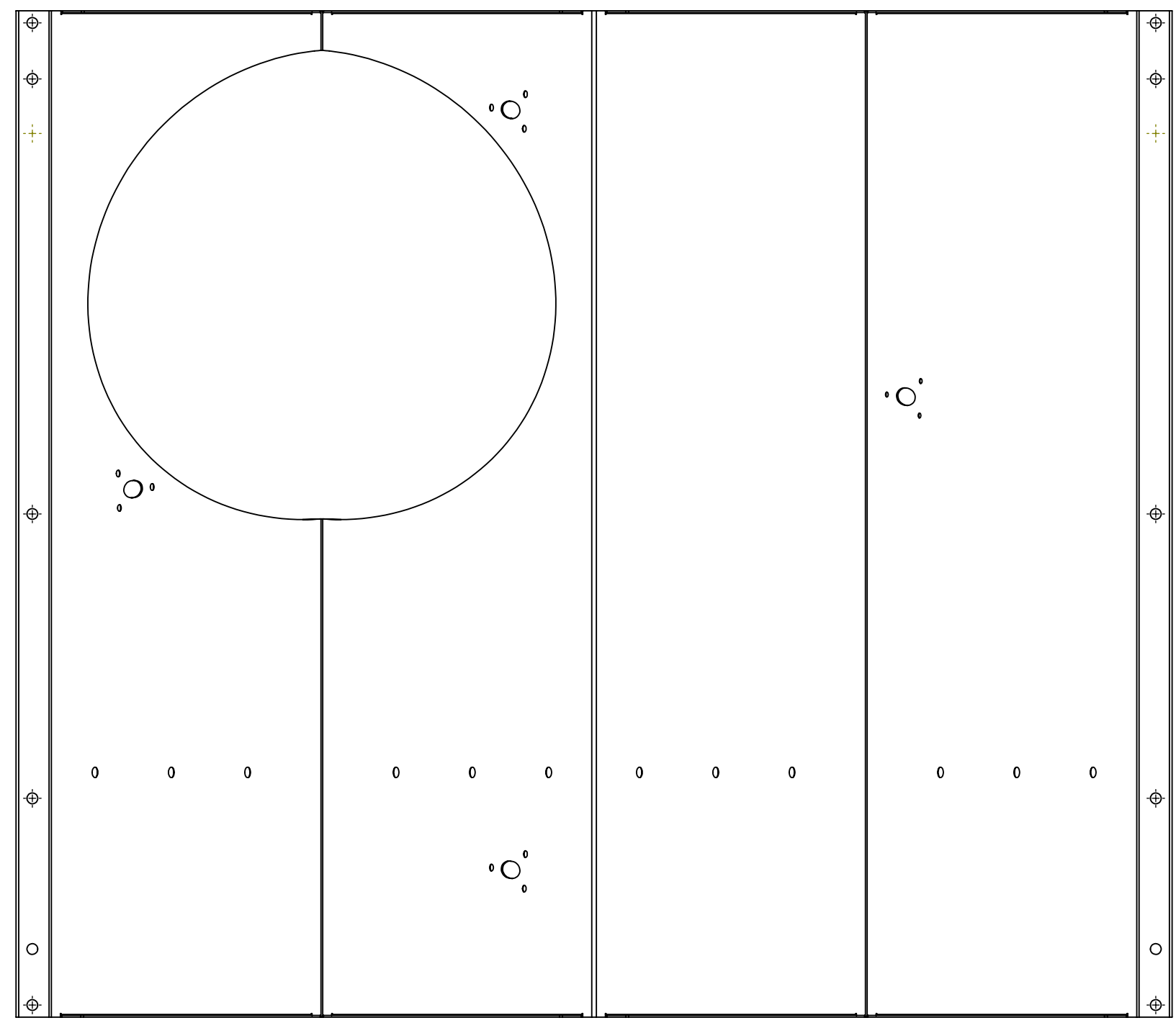


**D1002357-01
ONE HOLE RIGHT QPD SKIN**

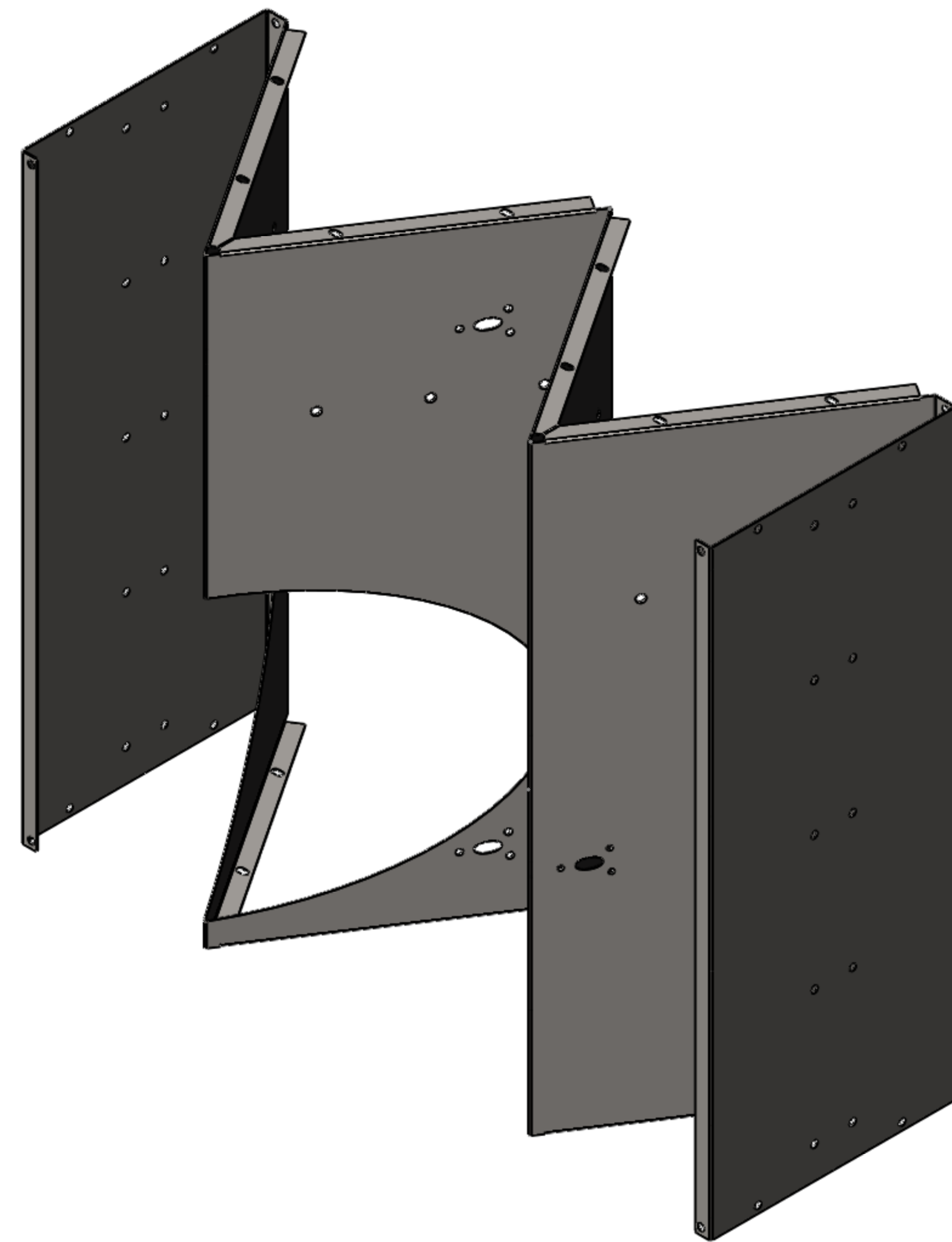
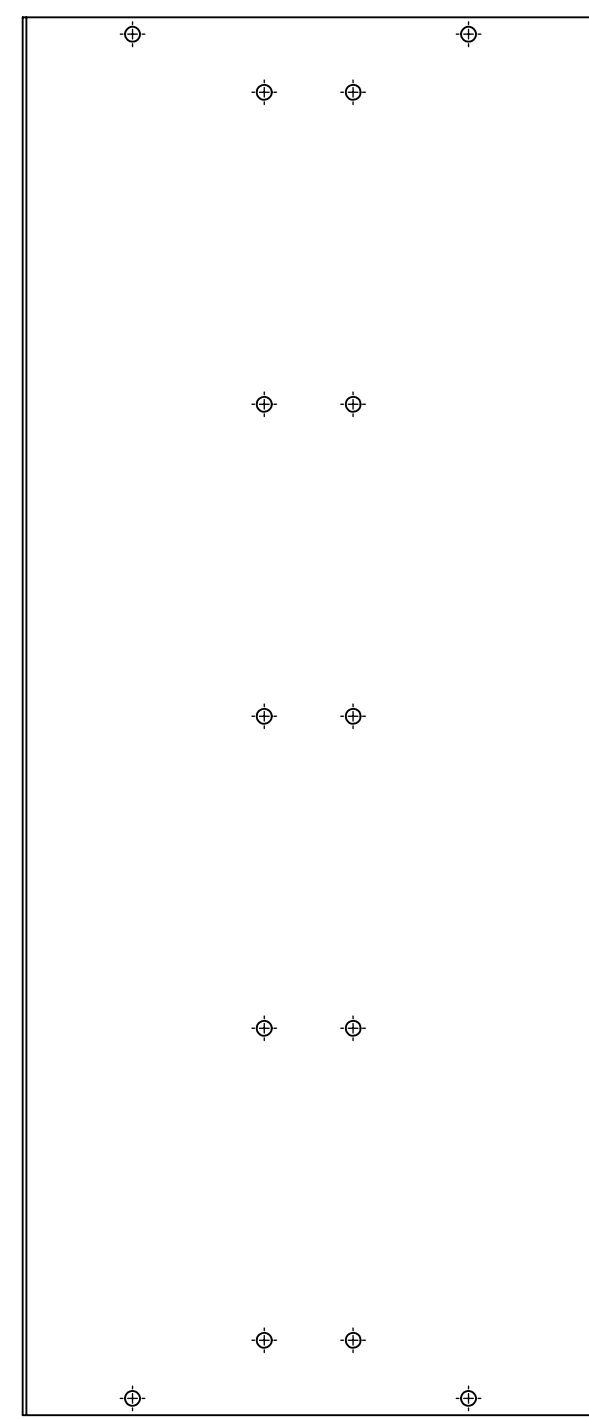
DETAIL Y
SCALE 1 : 2

CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY	
SIZE DWG. NO.	REV.
D D1002357	v3
SCALE: 1:4	PROJECTION:
SHEET 4 OF 13	

D1002357_AudiGO_ACS_SLC_ARM_Cavity_Baffle_1 Hole Skin_PART PDM REV. X.021_DRAWING PDM REV. X.022



16.72



**D1002357-02
ONE HOLE LEFT QPD SKIN
SEE D1002357-01 FOR DIMS NOT SHOWN**

ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	REQ	SPARE	TOTAL
1	D1002357-02	ACB 1 HOLE LEFT-QPD SKIN	18 GAUGE, 304 SSSL	1		1

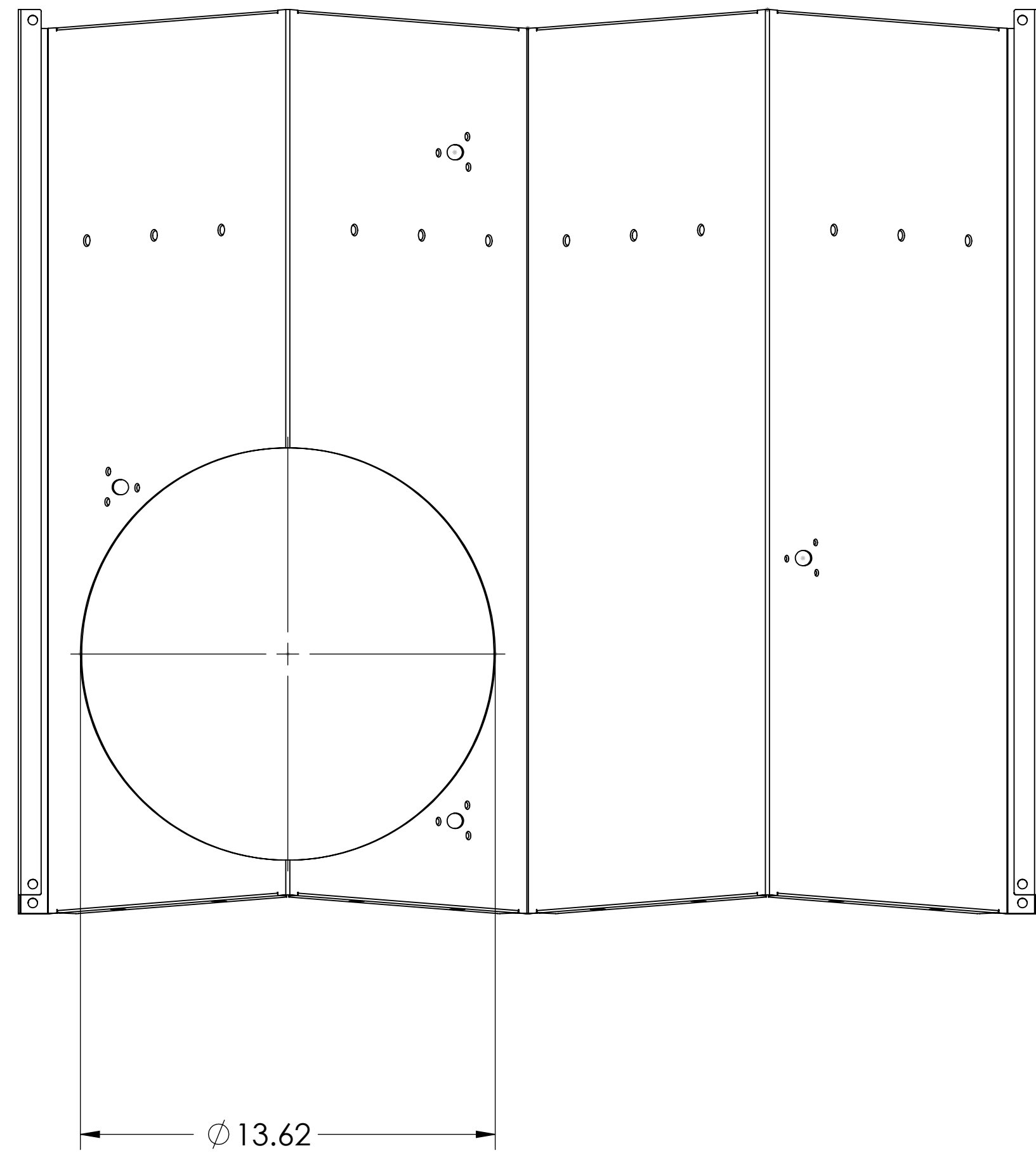
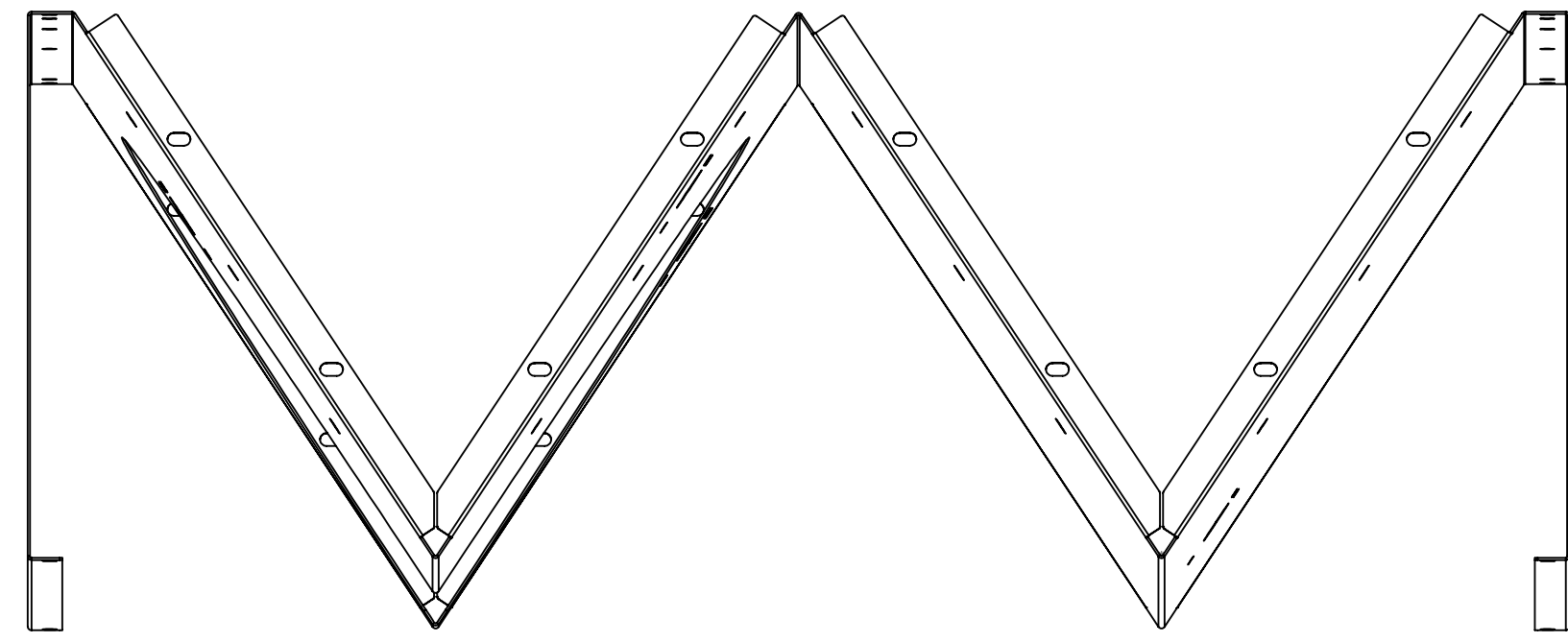
PARTS LIST

LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

SIZE DWG. NO. REV.
D **D1002357** v3

SCALE: 1:4 PROJECTION: SHEET 5 OF 13

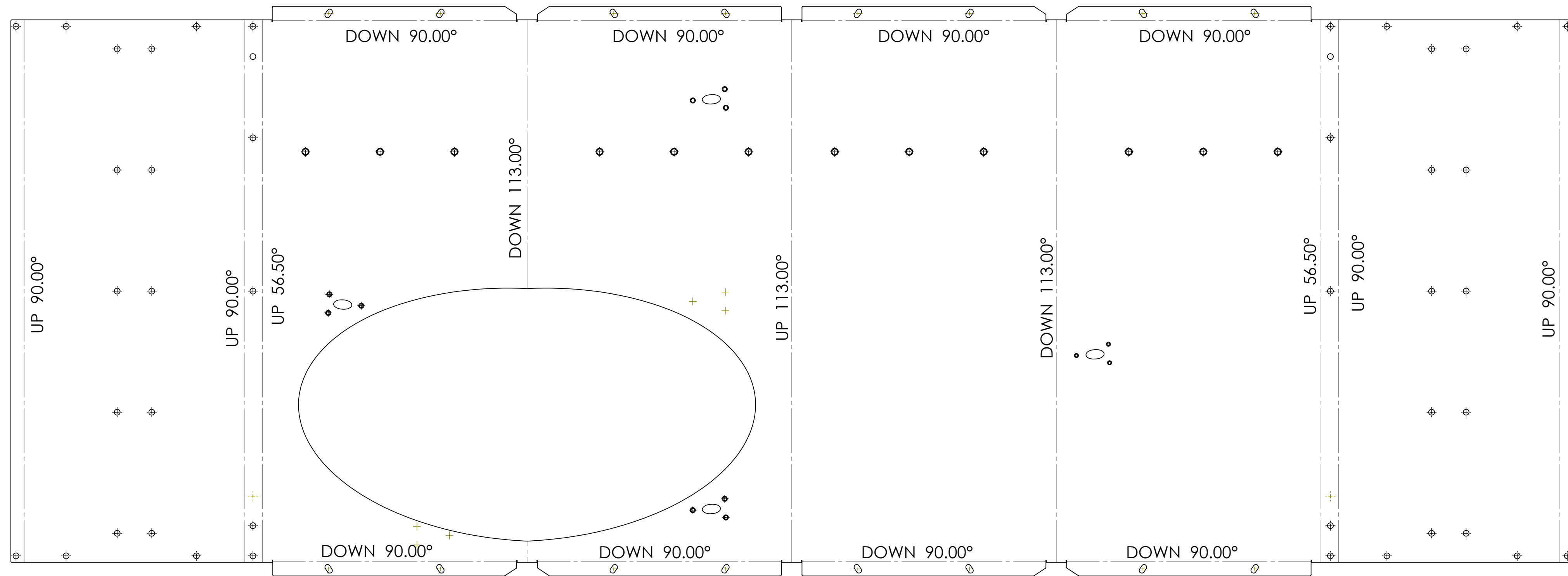
D:\002357_Adu\GO_AQS_SLC_ARM_Covily_Bottle_1 Hole Skin_PART PDM REV. X-021.DRAWING PDM REV. X-022



D1002357-02
ONE HOLE LEFT QPD SKIN

 CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		REV.
SIZE	DWG. NO.	REV.
D	D1002357	v3
SCALE: 1:4	PROJECTION:	SHEET 6 OF 13

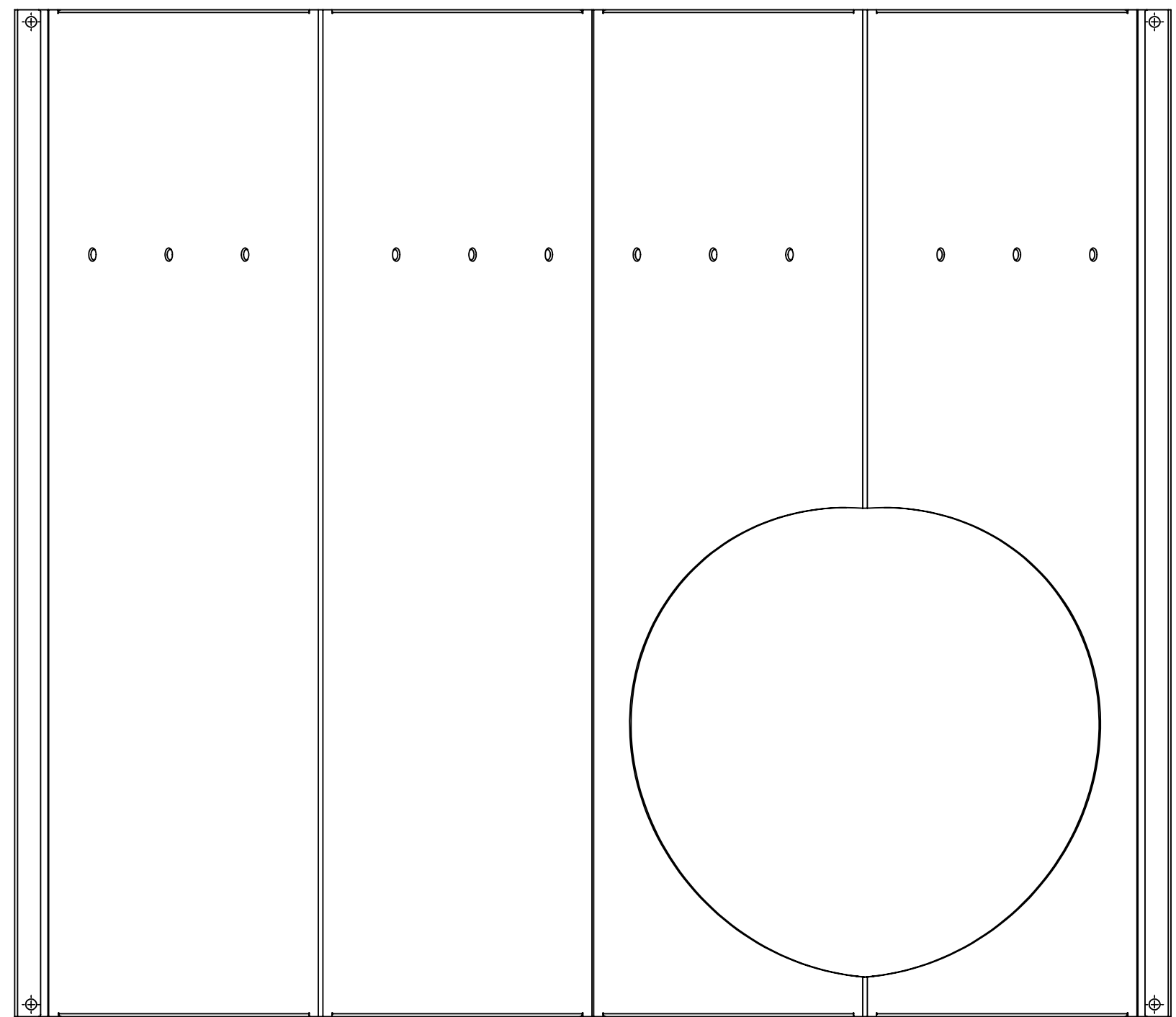
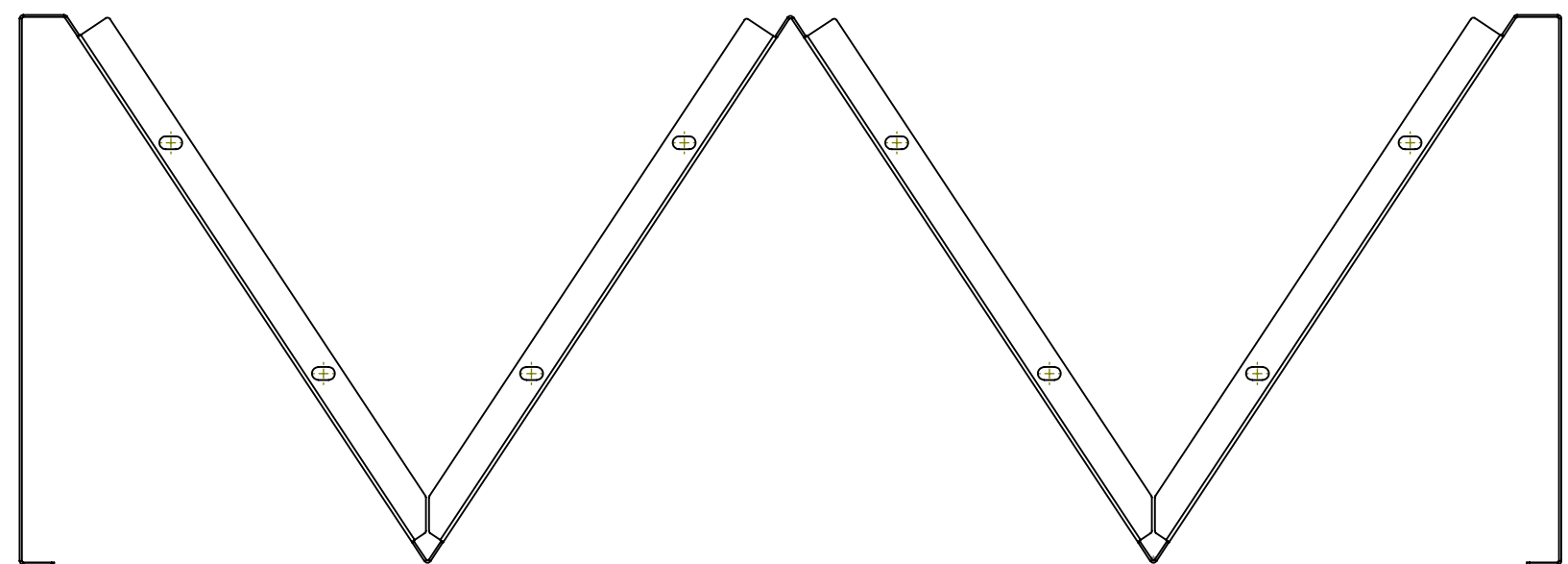
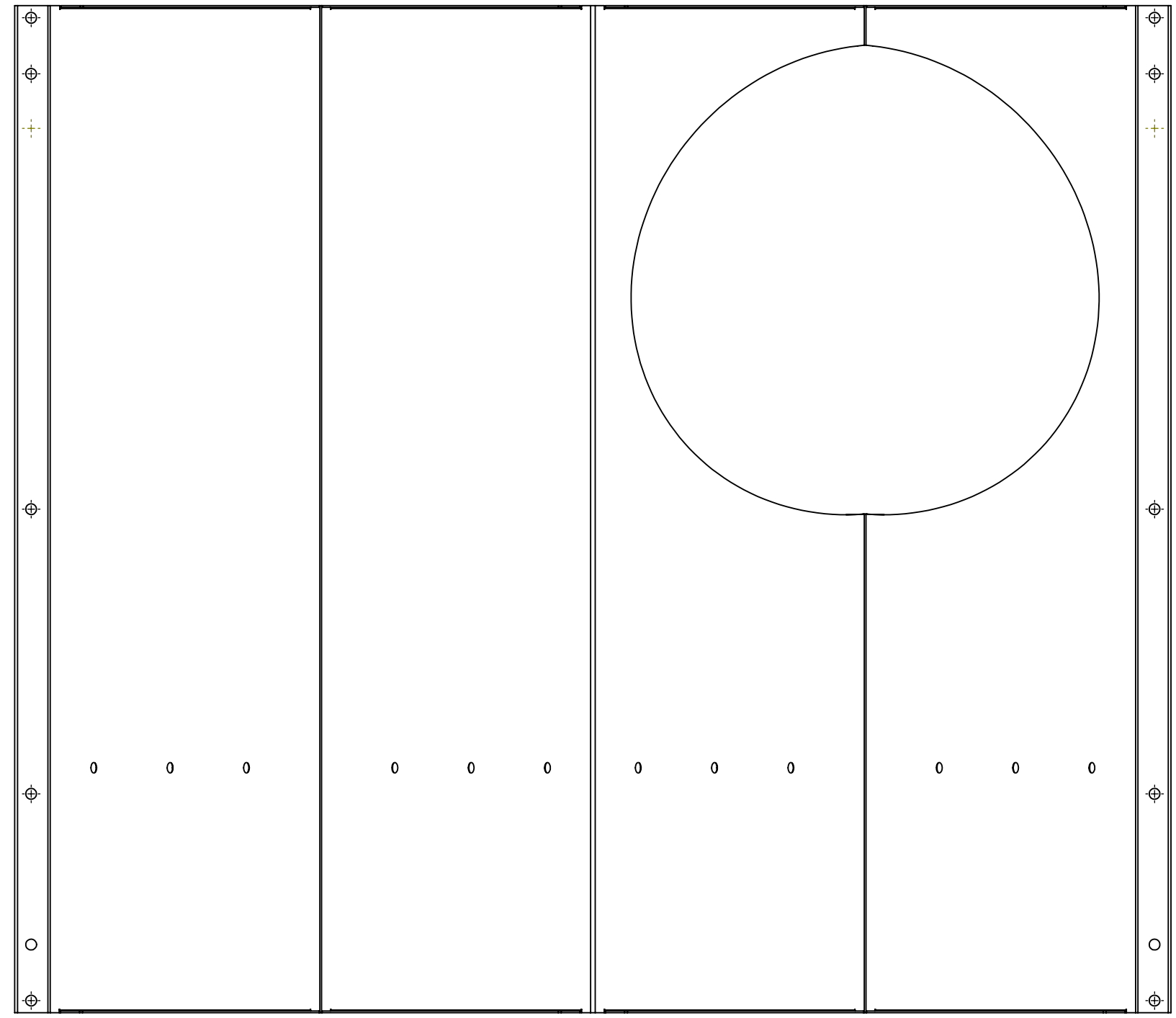
D1002357_AduLIGO_AOS_SLC_ARM_Covily_Bottle_1 Hole Skin_PART PDM REV. X.021.DRAWING PDM REV. X.022



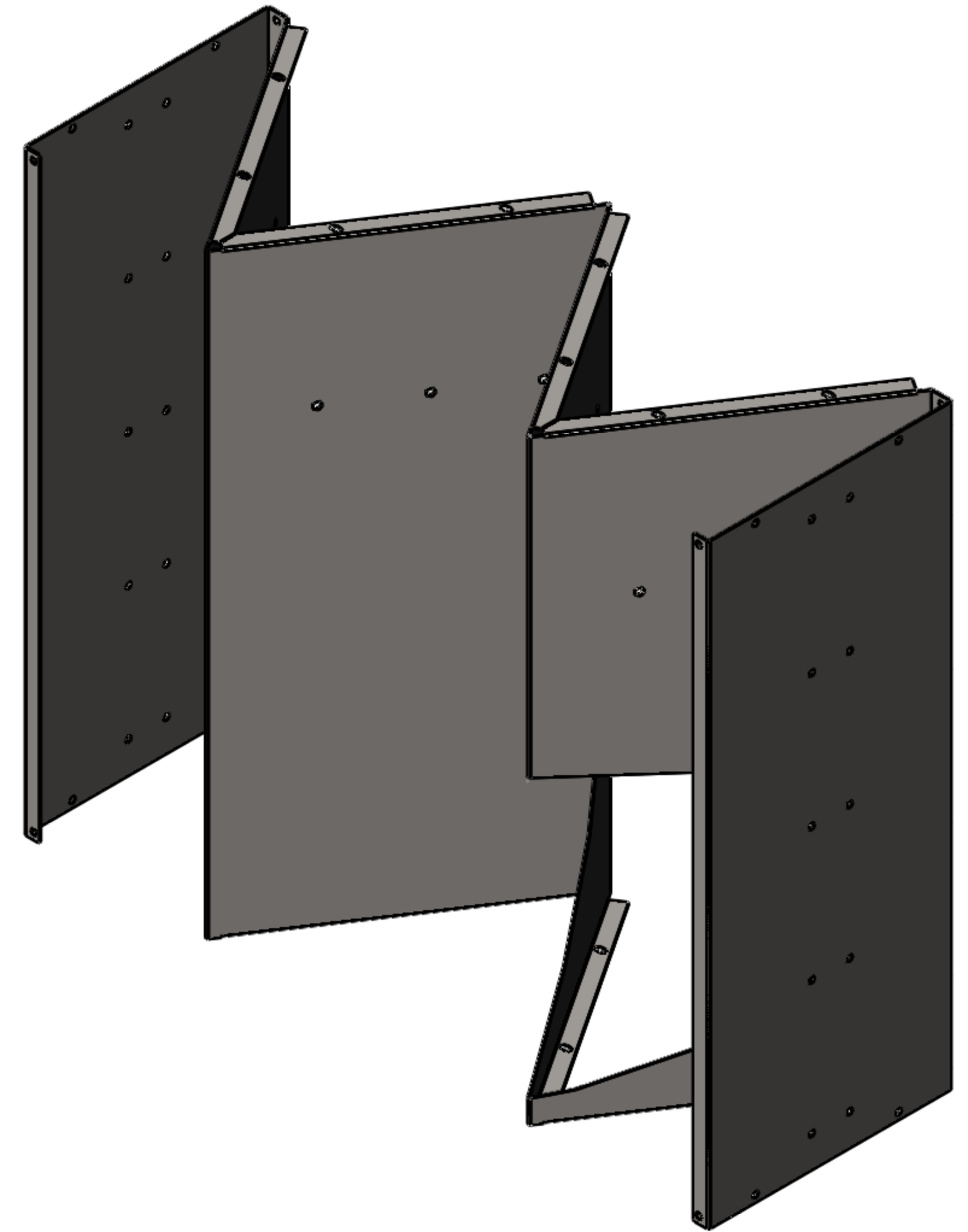
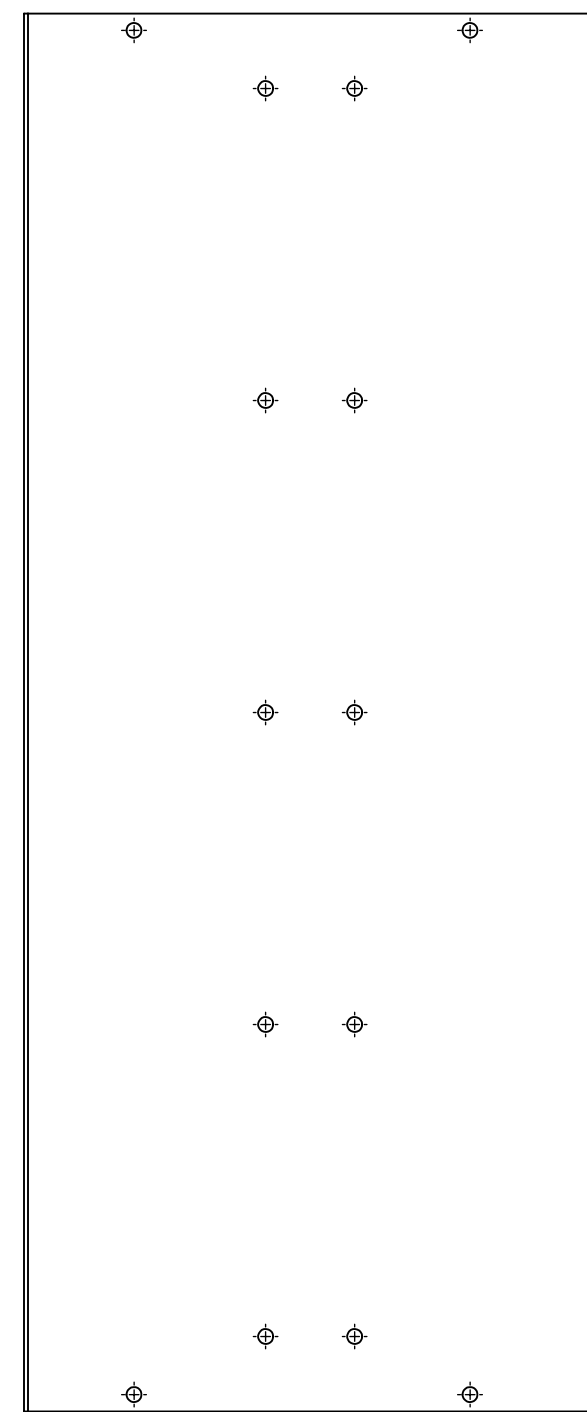
D1002357-02
ONE HOLE LEFT QPD SKIN
SEE D1002357-01 FOR DIMS NOT SHOWN

 CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		
SIZE	DWG. NO.	REV.
D	D1002357	v3
SCALE: 1:4	PROJECTION:	SHEET 7 OF 13

D1002357_AduLIGO_AOS_SLC_ARM_Covly_Bottle_1 Hole_Skin_PART PDM REV. X.021_DRAWING PDM REV. X.022



(16.72)



D1002357-03
ONE HOLE RIGHT NO QPD SKIN
SEE D1002357-01 FOR DIMS NOT SHOWN

ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	REQ	SPARE	TOTAL
1	D1002357	ACB 1 HOLE RIGHT NO QPD SKIN (-03)	18 GAUGE, 304 SSSL	1		1

PARTS LIST

LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY

SIZE DWG. NO. REV.
D **D1002357** **v3**

SCALE: 1:4 PROJECTION: SHEET 8 OF 13

D1002357_AduIGO_ACS_SLC_ARM_Covily_Bottle_1 Hole Skin_PART PDM REV: X-021_DRAWING PDM REV: X-022

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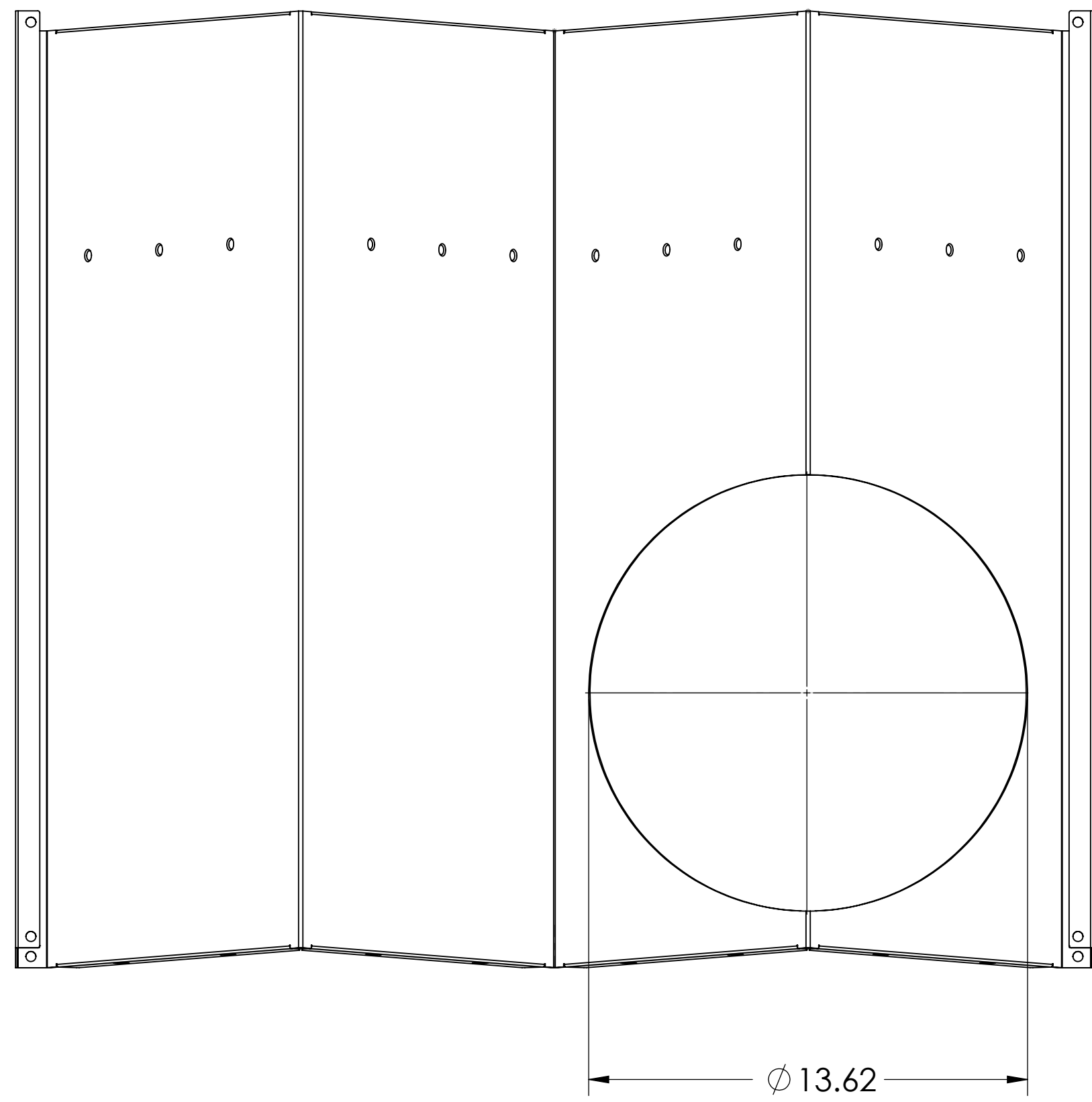
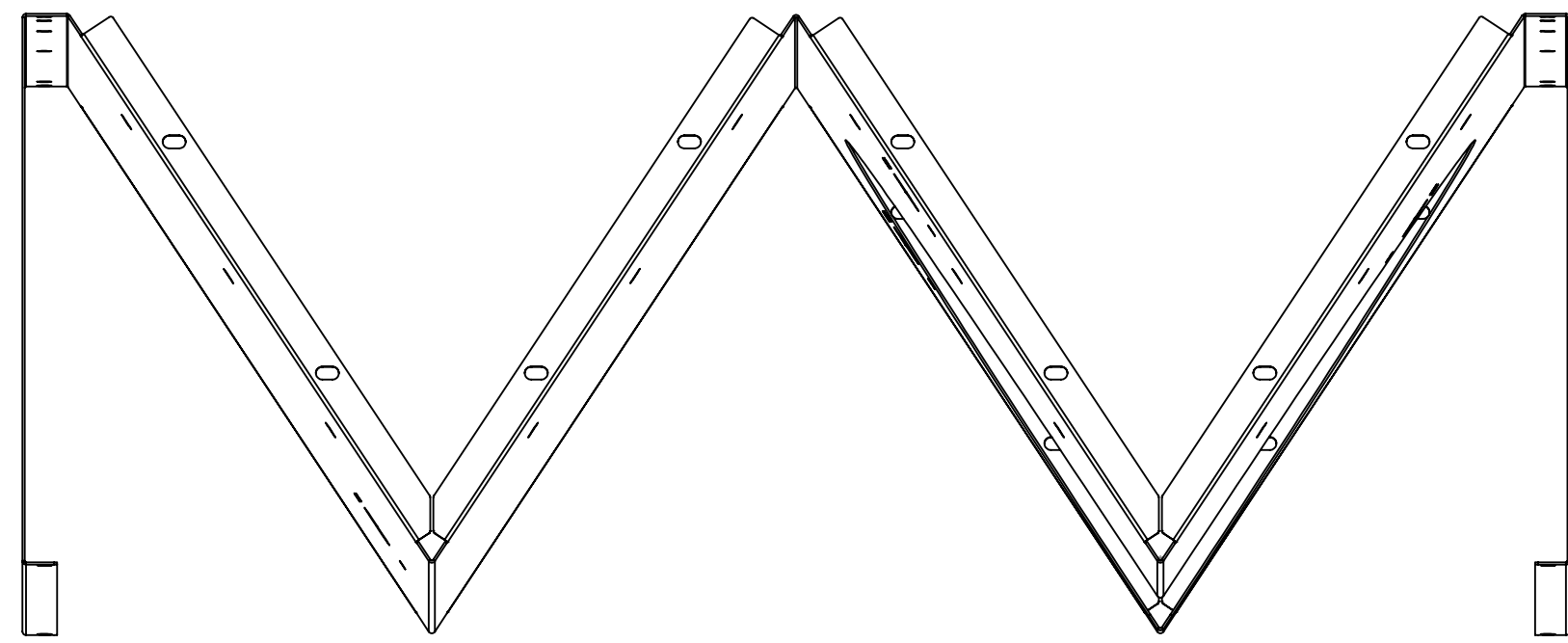
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D1002357-03
ONE HOLE RIGHT NO QPD SKIN

 CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		
SIZE	DWG. NO.	REV.
D	D1002357	v3
SCALE: 1:4	PROJECTION:	SHEET 9 OF 13

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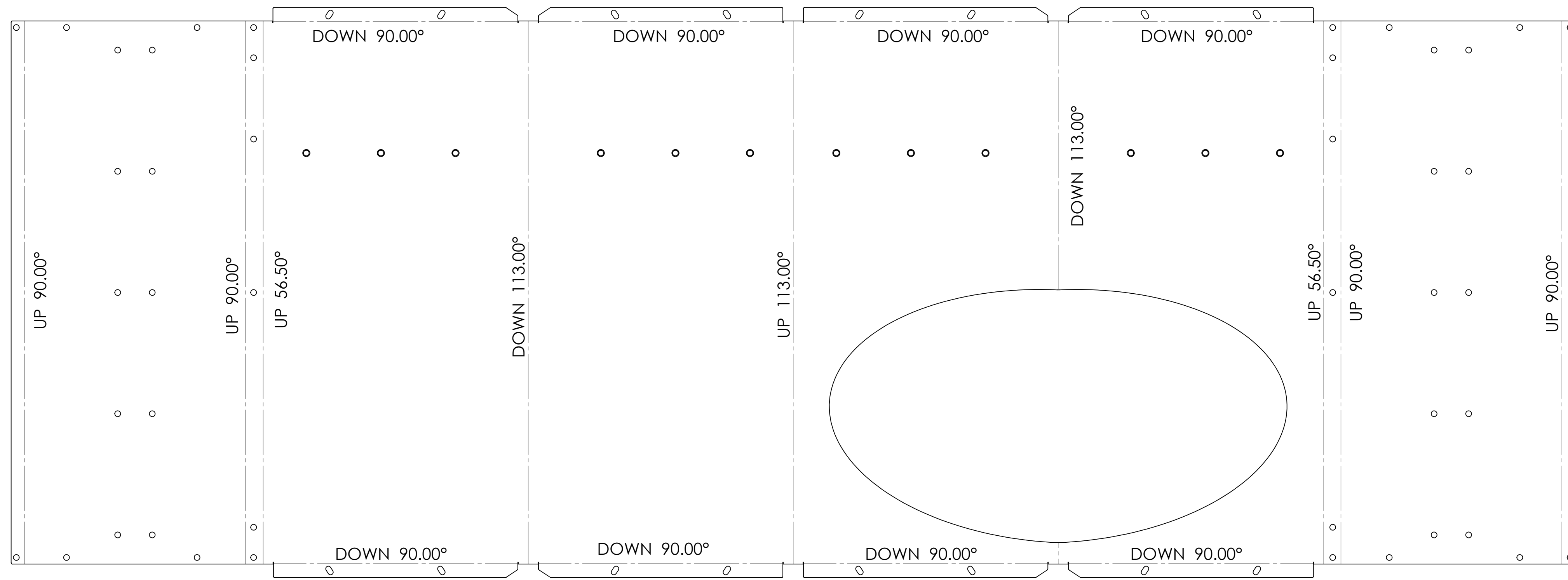
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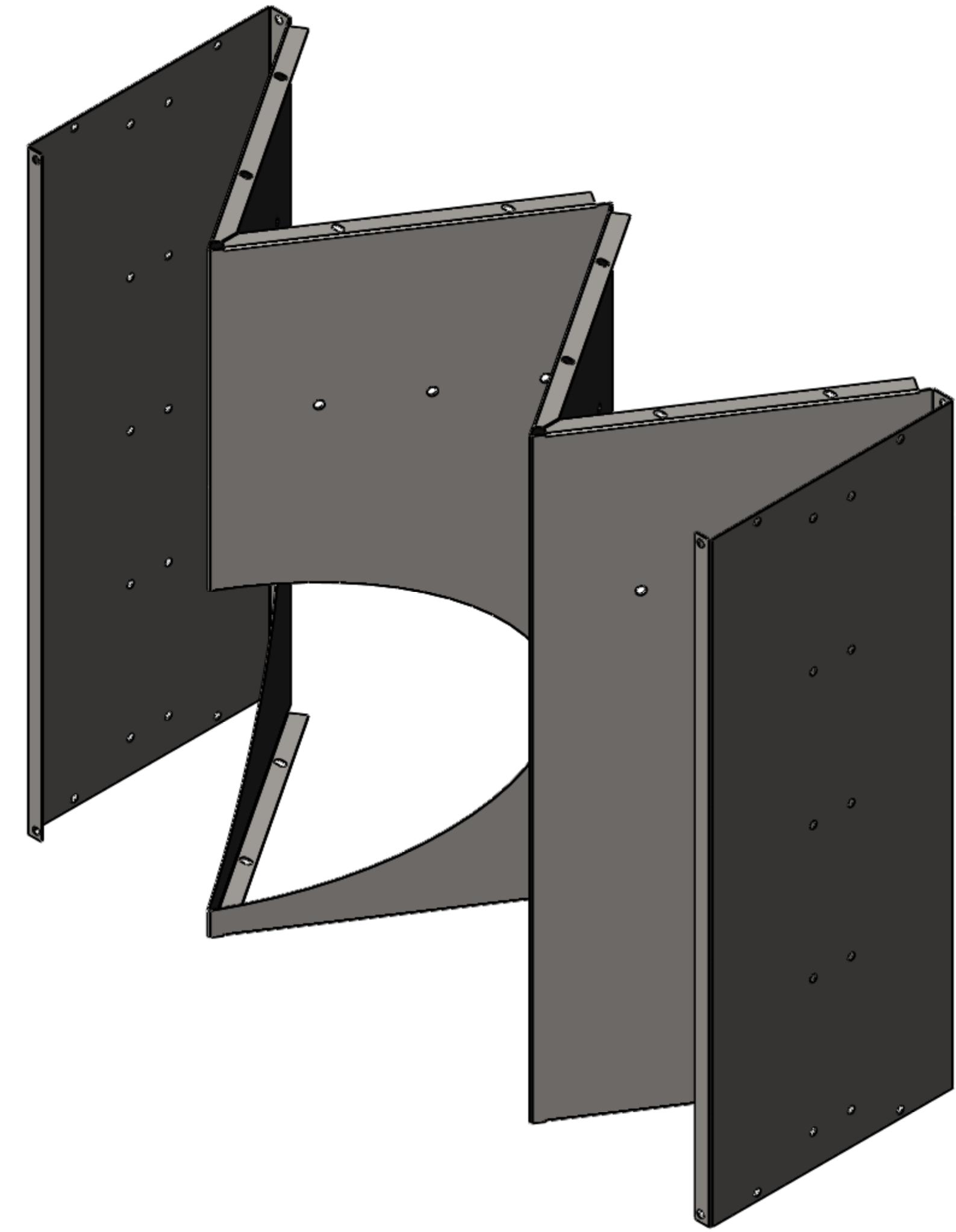
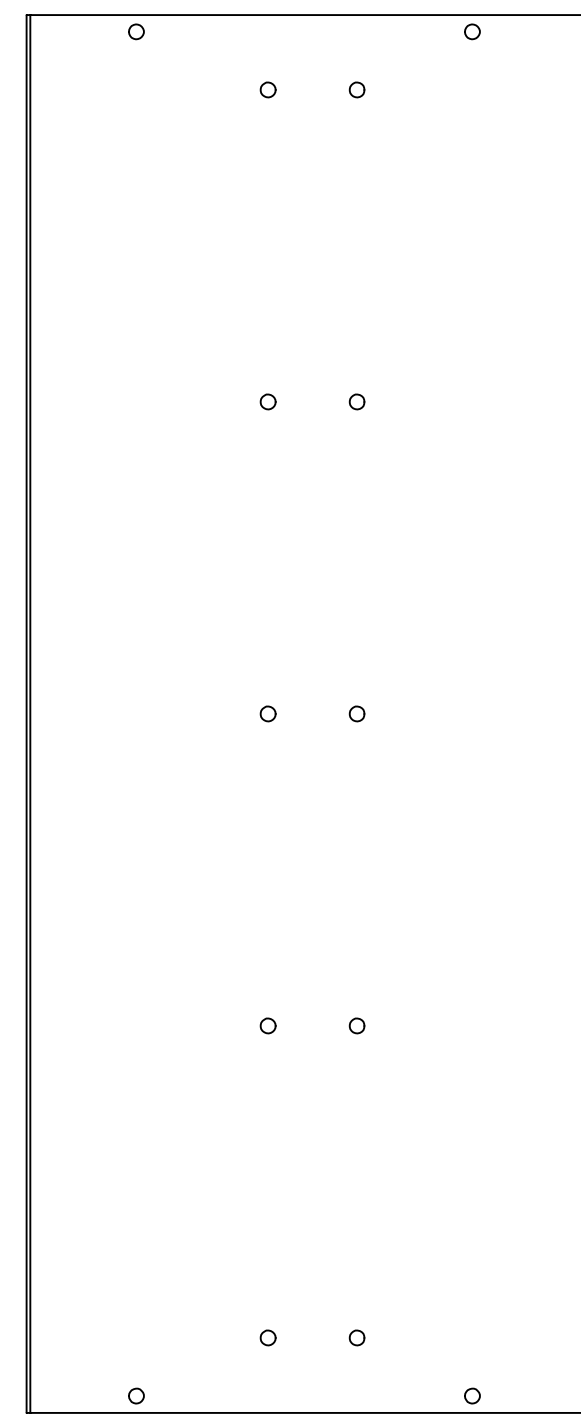
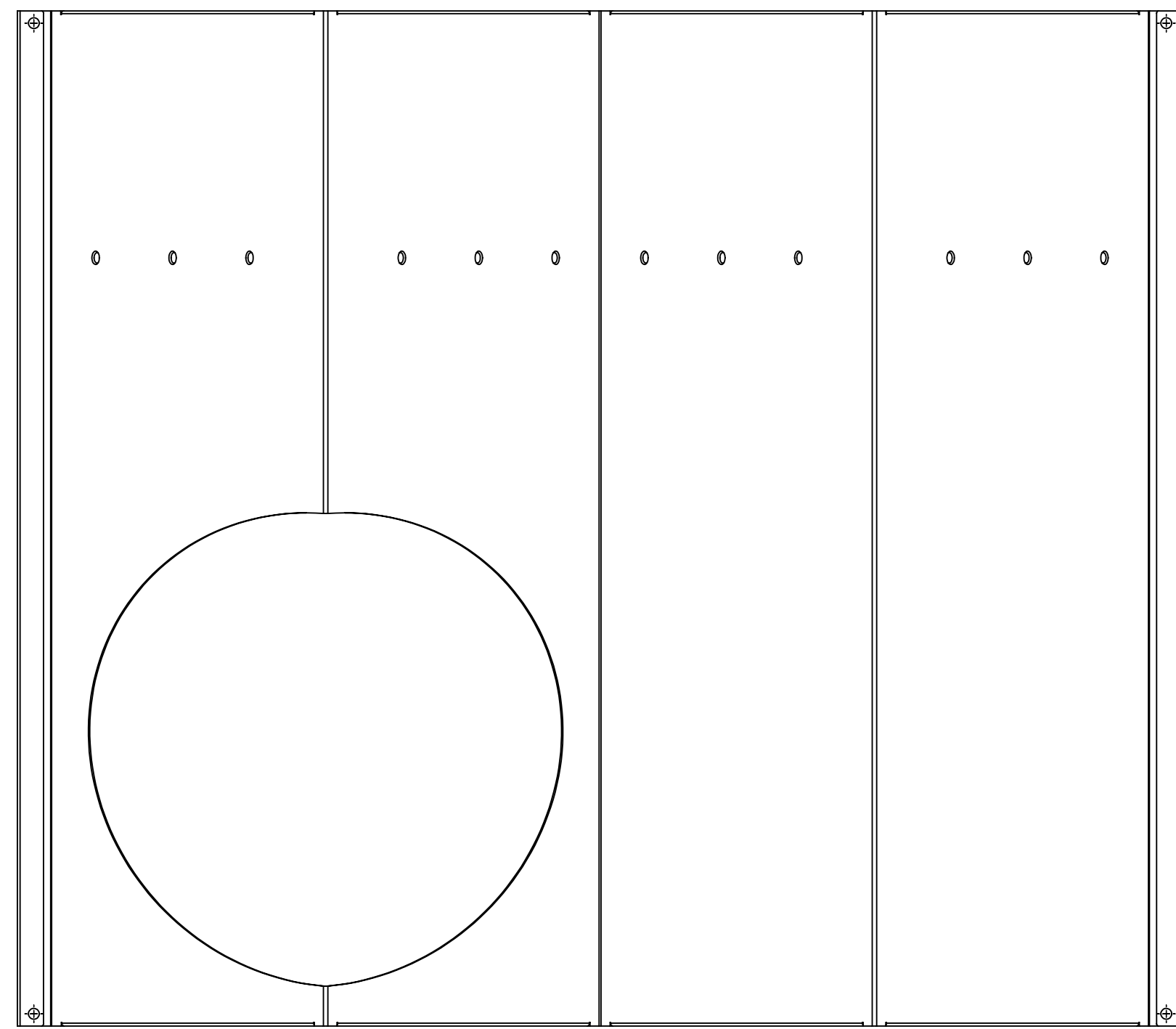
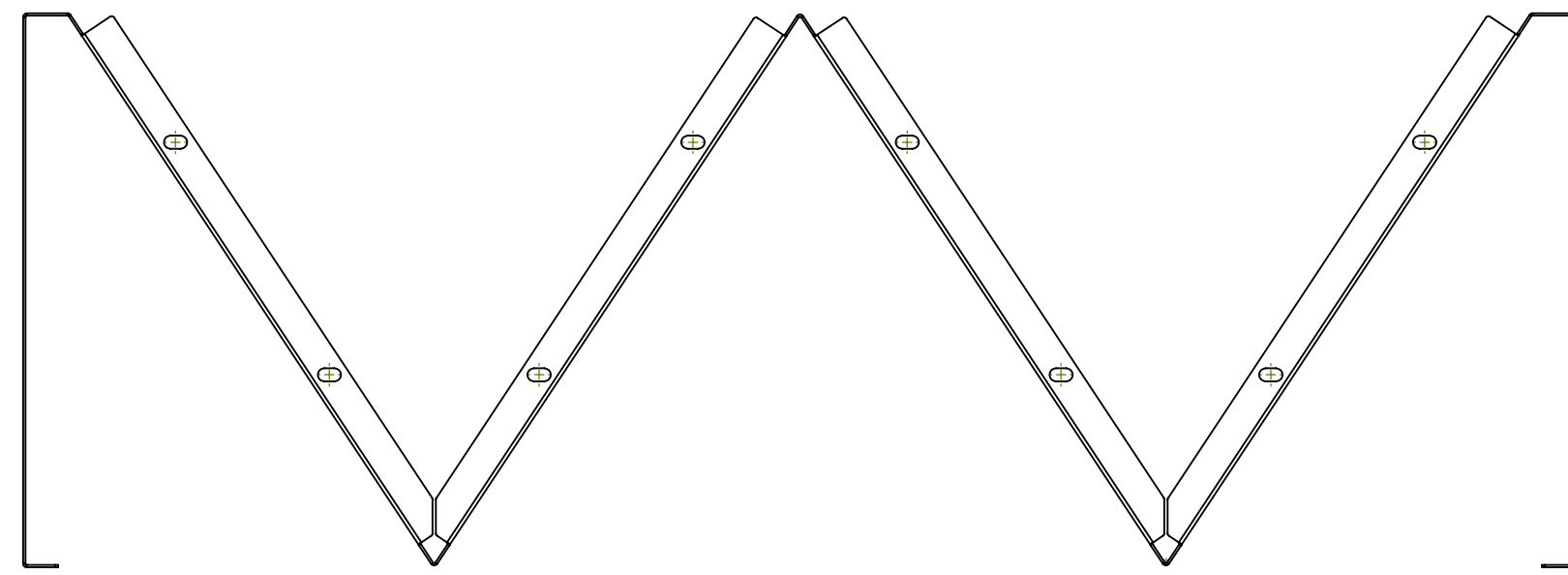
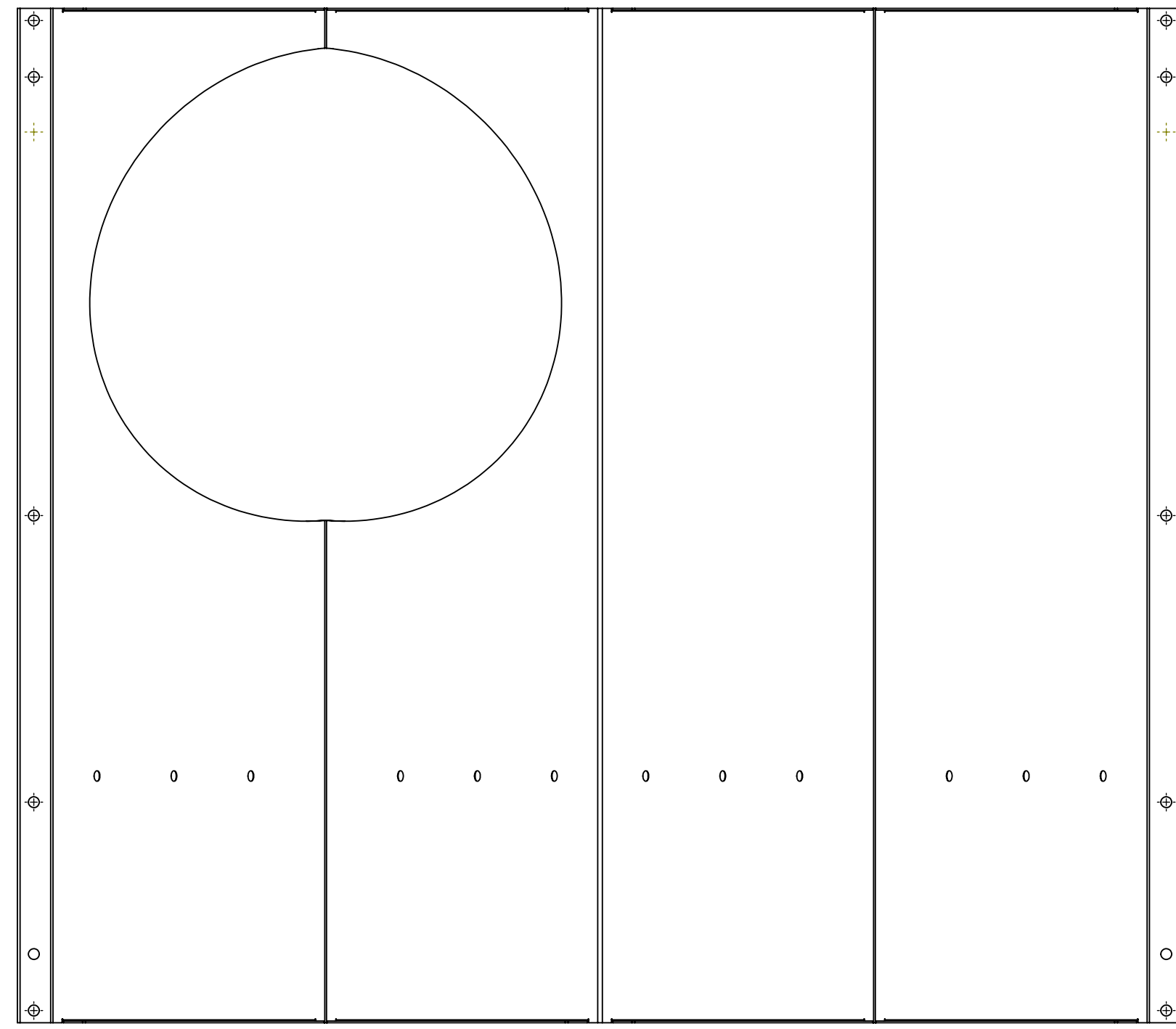
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D1002357_AduLIGO_AOS_SLC_ARM_Covrly_Bottle_1 Hole_Skin_PART PDM REV: X-021 DRAWING PDM REV: X-022



D1002357-03
ONE HOLE RIGHT NO QPD SKIN
SEE D1002357-01 FOR DIMS NOT SHOWN

D1002357_AduLIGO_AOS_SLC_ARM_Covly_Bottle_1 Hole_Skin_PART.PDM_REV.X.021.DRAWING.PDM_REV.X.022



D1002357-04
ONE HOLE LEFT NO QPD SKIN
SEE D1002357-01 FOR DIMS NOT SHOWN

ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	REQ	SPARE	TOTAL
1	D1002357-04	ACB 1 HOLE LEFT NO QPD SKIN	18 GAUGE, 304 SSSL	1		1

PARTS LIST

LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY
 MASSACHUSETTS INSTITUTE OF TECHNOLOGY

SIZE DWG. NO. REV.
 D D1002357 v3

SCALE: 1:4 PROJECTION: SHEET 11 OF 13

D1002357_AduIGO_AQS_SLC_ARM_Covily_Bottle_1 Hole Skin_PART PDM REV. X-021_DRAWING PDM REV. X-022

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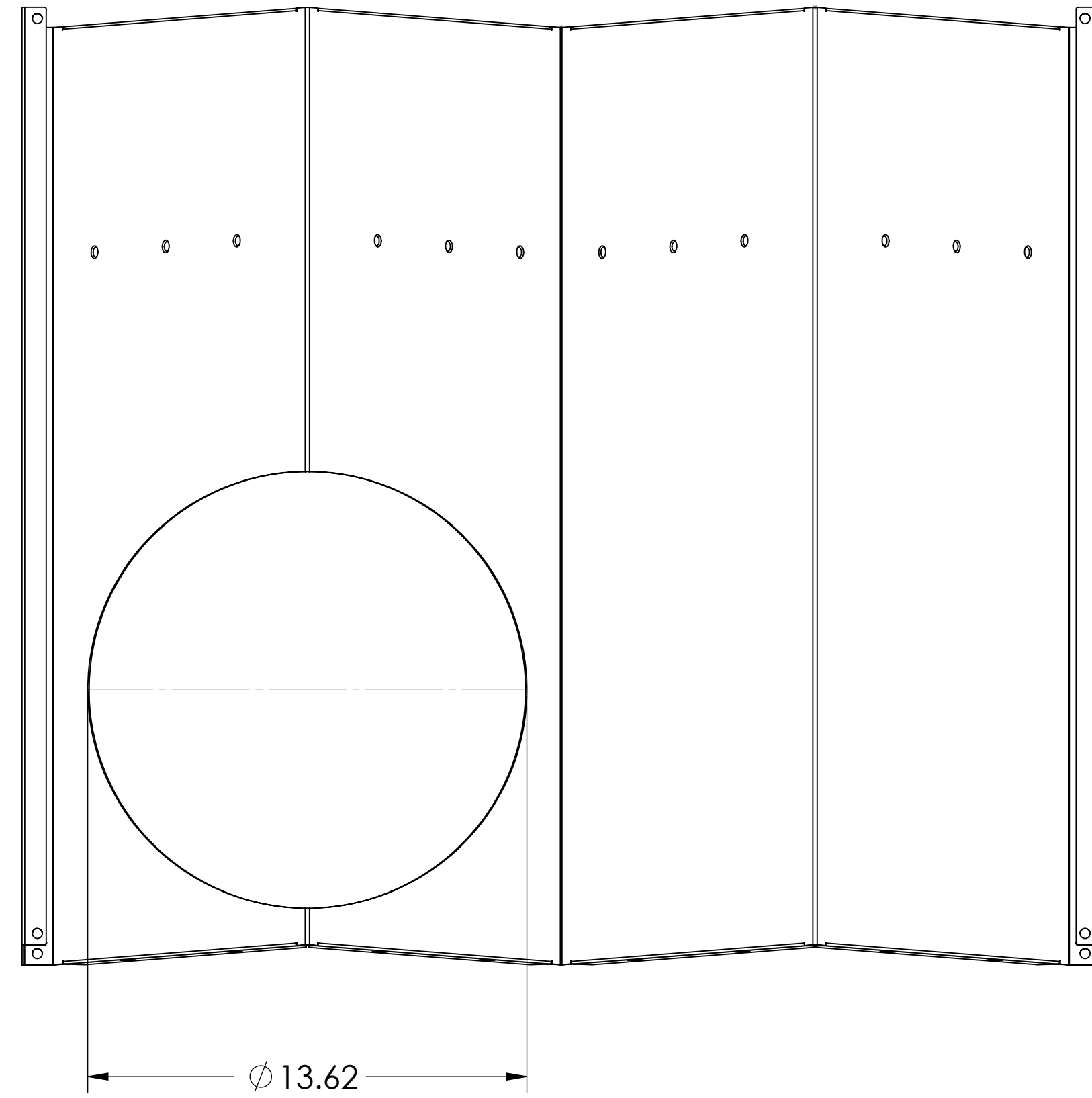
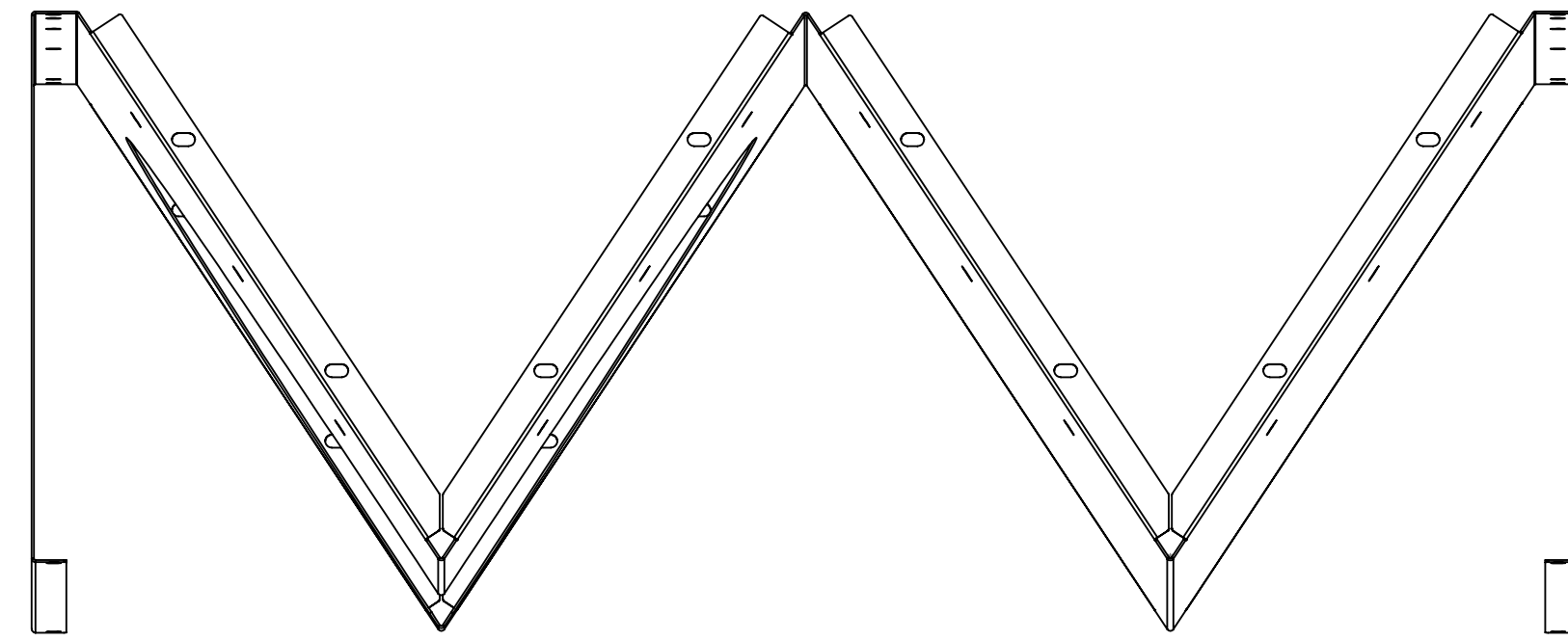
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D1002357-04
ONE HOLE LEFT NO QPD SKIN

 CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		
SIZE	DWG. NO.	REV.
D	D1002357	v3
SCALE: 1:4	PROJECTION:	SHEET 12 OF 13

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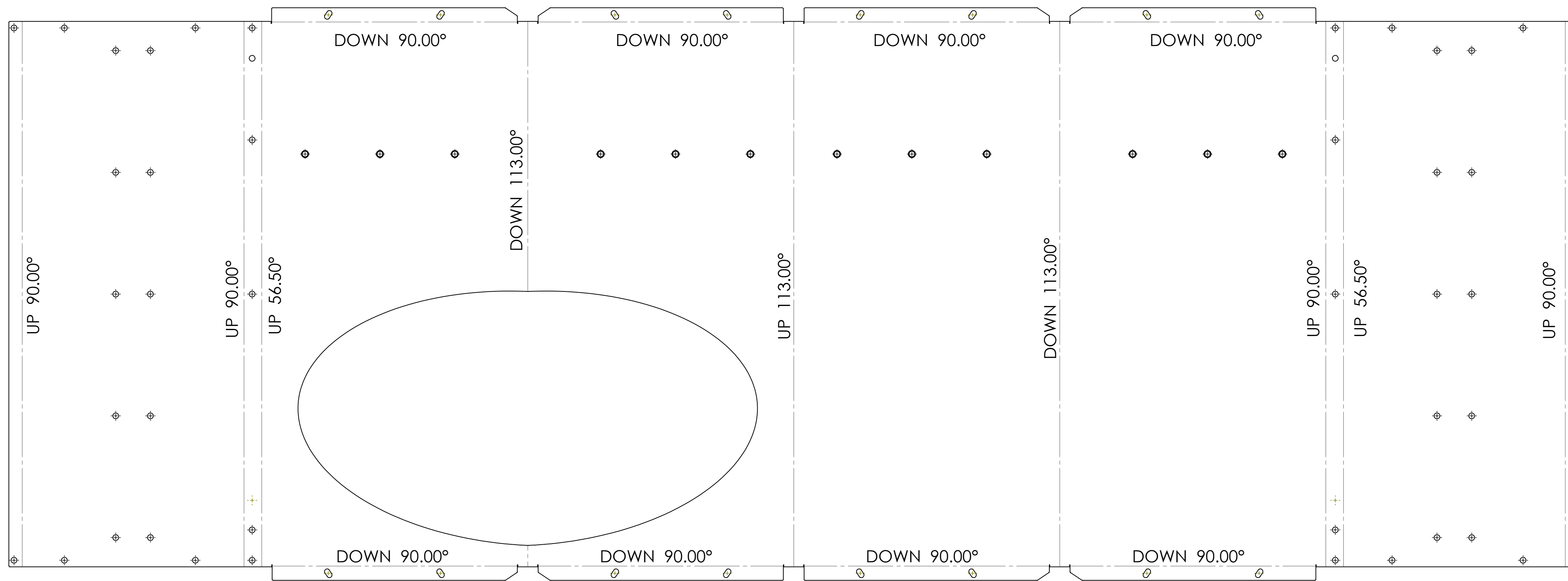
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D:\002357_Adu\GO_AQS_SLC_ARM_Cavity_Bottle_1 Hole_Skin_PART.PDM_REV.X:021.DRAWING.PDM_REV.X:022



D1002357-04
ONE HOLE LEFT NO QPD SKIN
SEE D1002357-01 FOR DIMS NOT SHOWN