

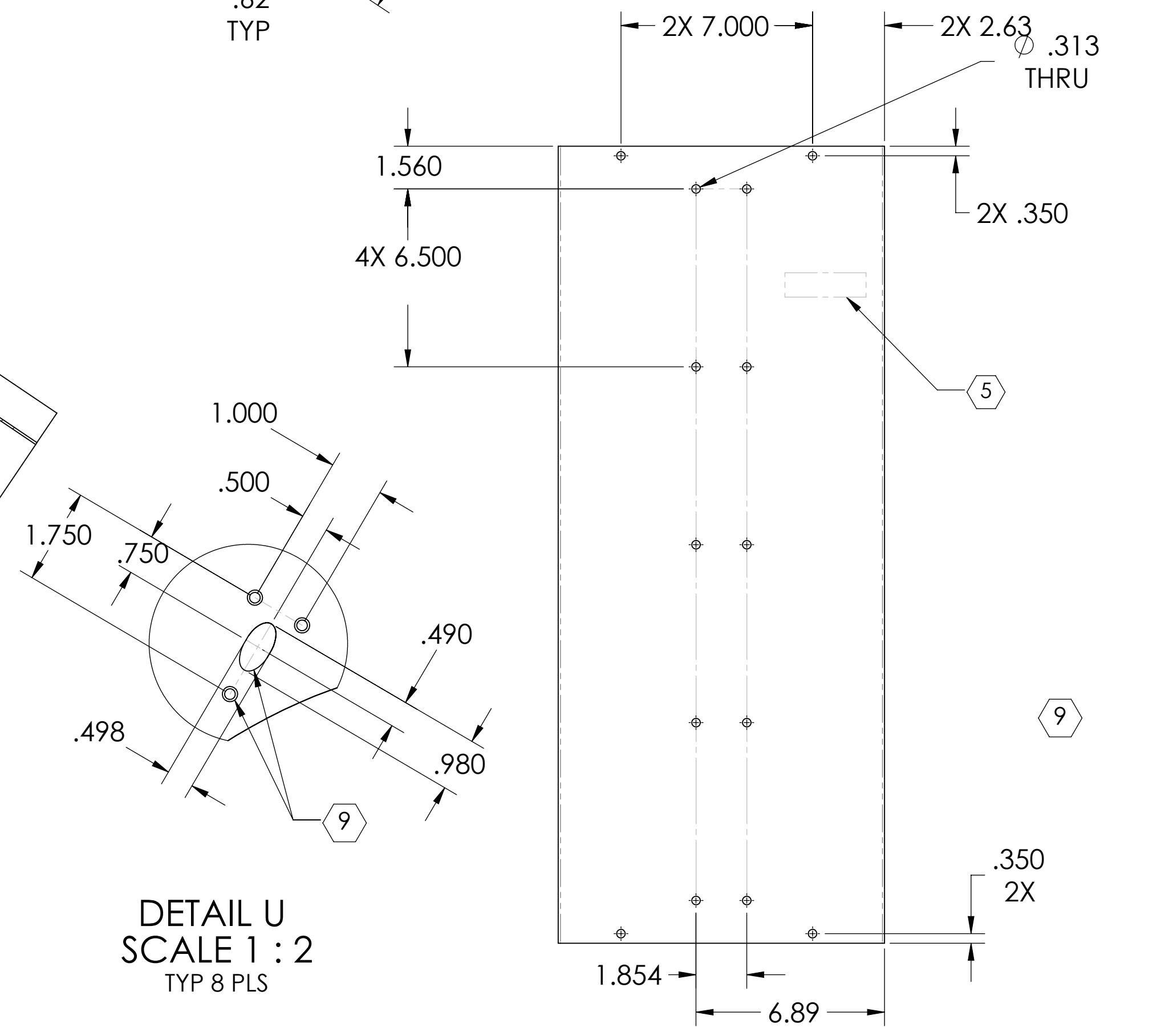
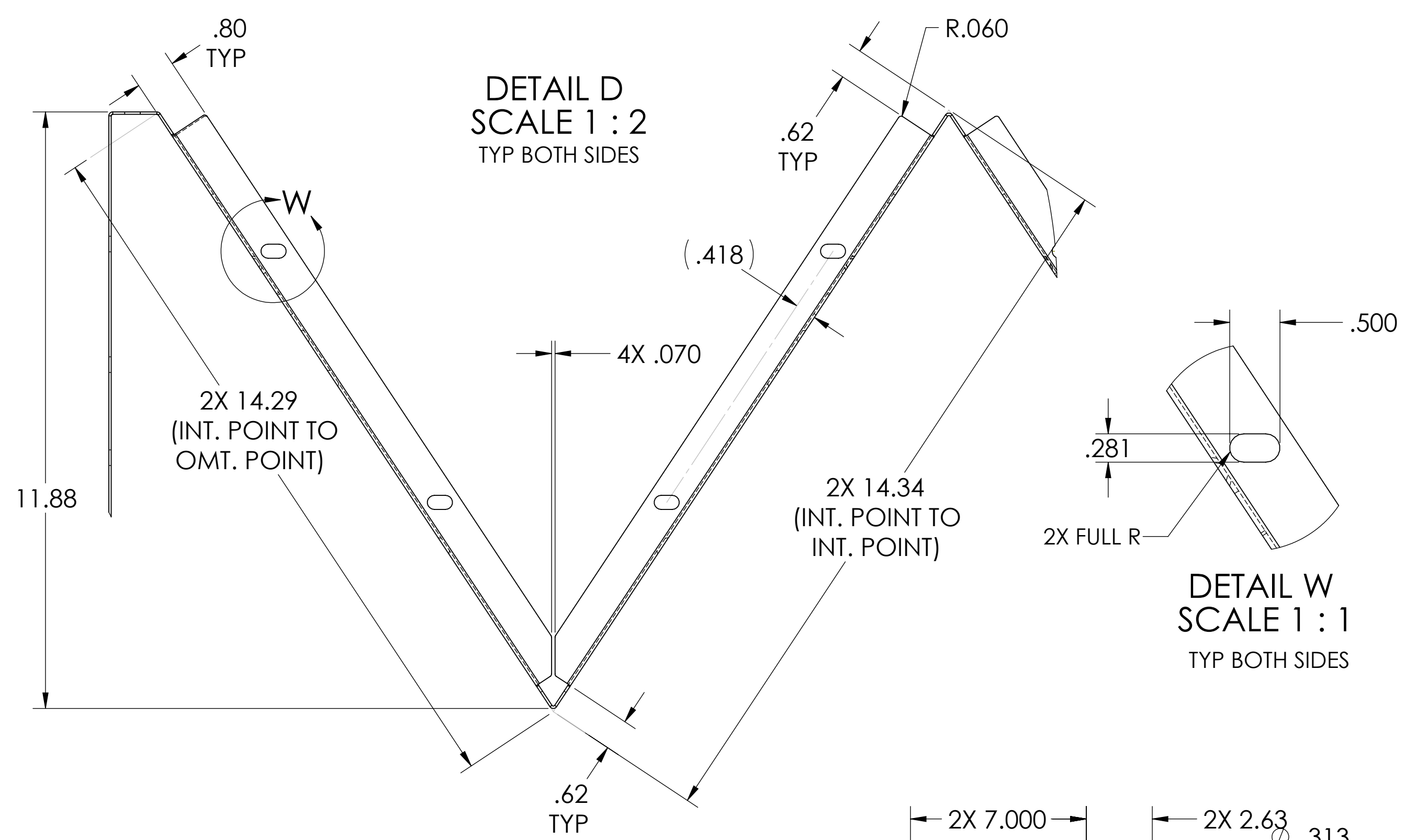
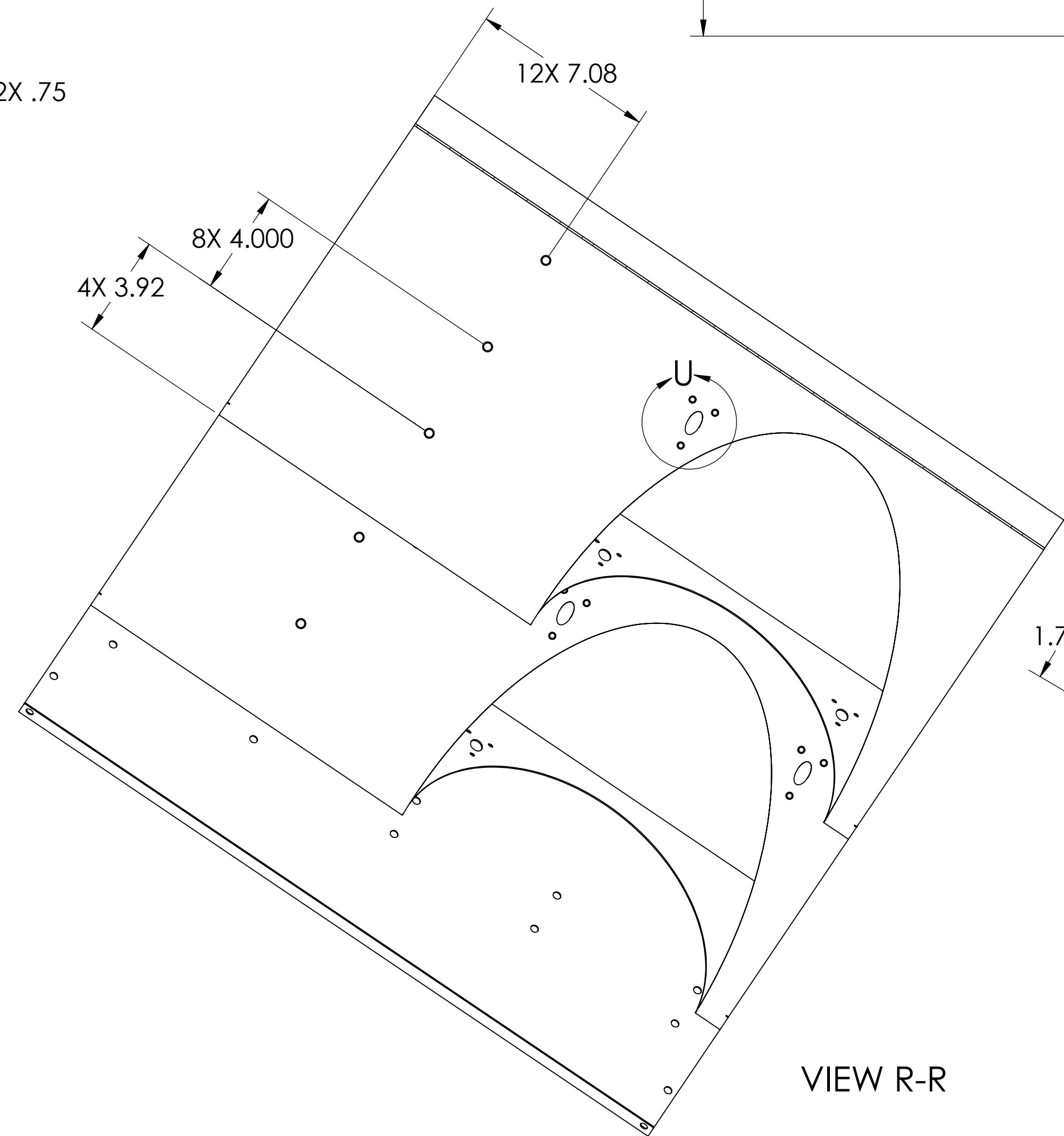
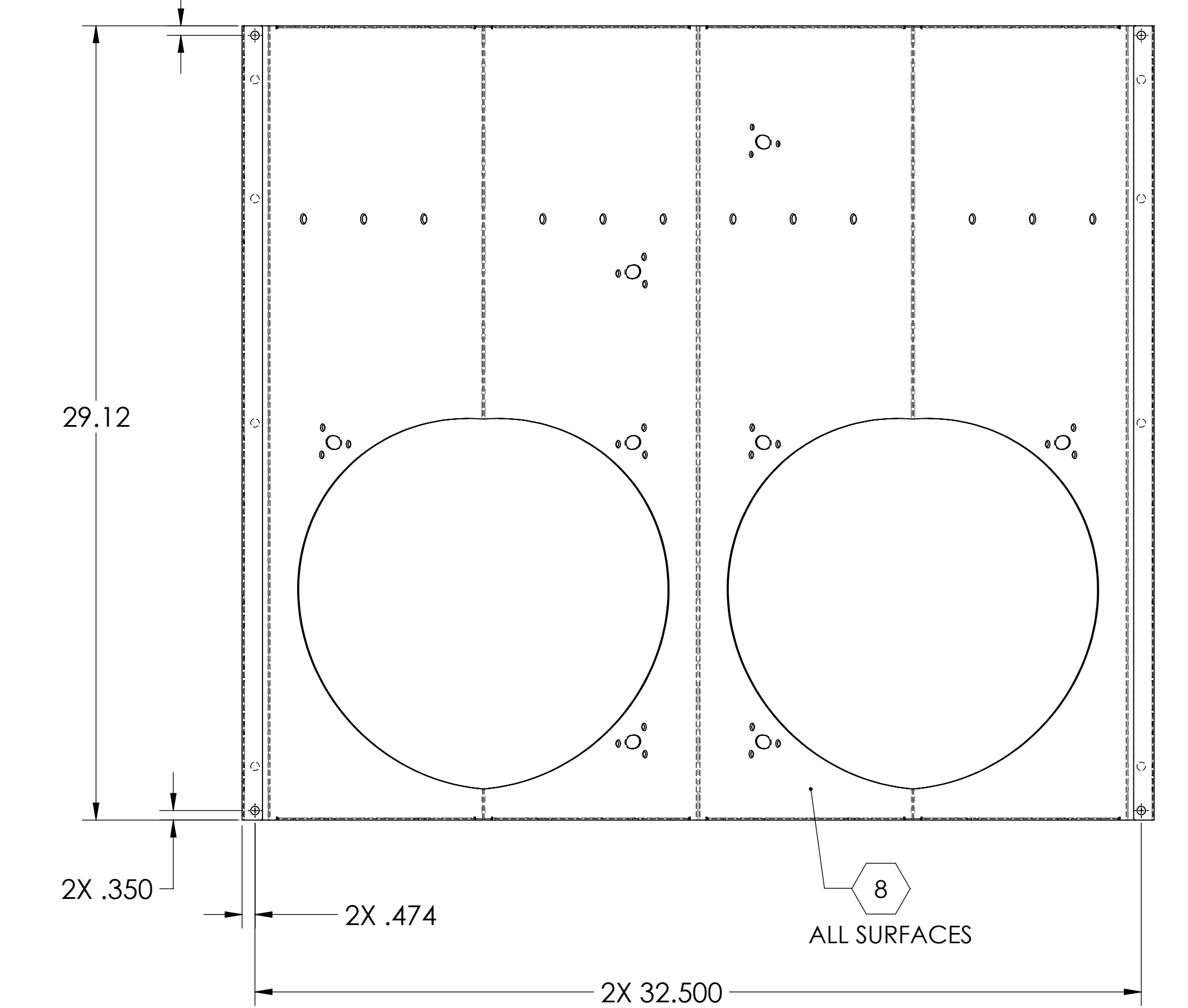
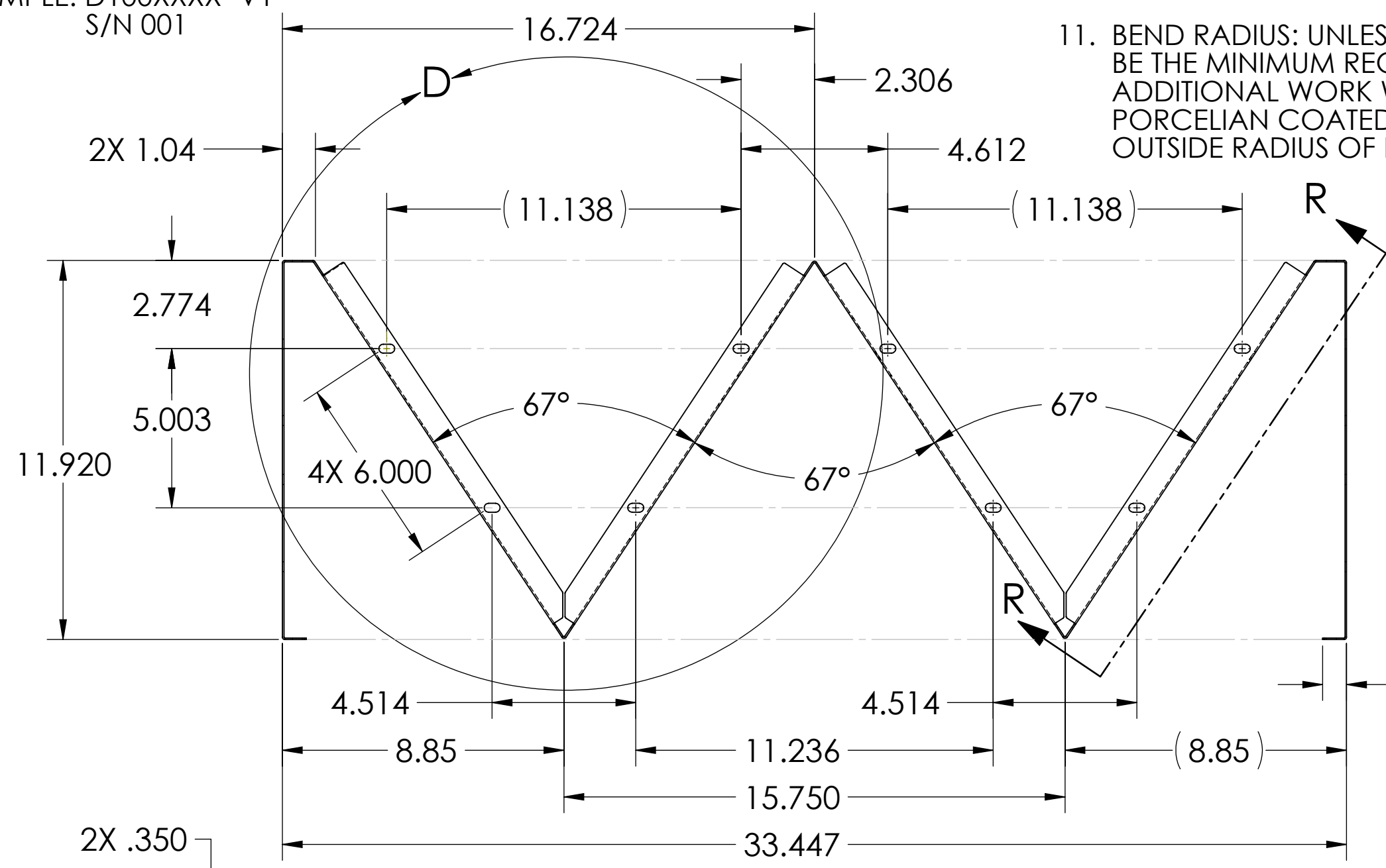
NOTES: UNLESS OTHERWISE SPECIFIED

1. INTERPRET DRAWING PER ASME Y14.5-1994.
2. REMOVE ALL SHARP EDGES AND BURRS AND ROUND EDGES APPROXIMATELY R.02.
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: D100XXXX=v1 S/N 001

6. PART 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. PART WILL BE PORCELAIN COATED PER LIGO SPECIFICATION E1000083 AFTER FABRICATION. THE INDICATED HOLES & SLOTS WILL BE MASKED PRIOR TO PORCELAIN COATING TO APPROXIMATELY 2.5-3X HOLE & SLOT CENTERED ON BOTH SIDES OF THE HOLE & SLOT.
10. DIMENSIONS APPLY BEFORE PORCELAIN COATING UNLESS SPECIFIED.
11. BEND RADIUS: UNLESS OTHERWISE NOTED, THE BEND RADIUS SHOULD BE THE MINIMUM REQUIRED TO FORM WITHOUT CRACKING OR REQUIRING ADDITIONAL WORK WHEN FORMING. IN PARTICULAR IF SHEET METAL IS TO BE PORCELAIN COATED, THE BEND RADIUS SHALL BE MINIMUM OF .12" OUTSIDE RADIUS OF BEND UNLESS OTHERWISE NOTED.

12. SEE CAD FILE # D1000973.SLDPRТ TO GENERATE ELLIPSE CURVES.

REV.	DATE	DCN #	DRAWING TREE #
v1	02 JUL 2010	E1000285	
v2	11 MAR 2011	E1100216	
v3	20 MAY 2011	E1100335	



NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)

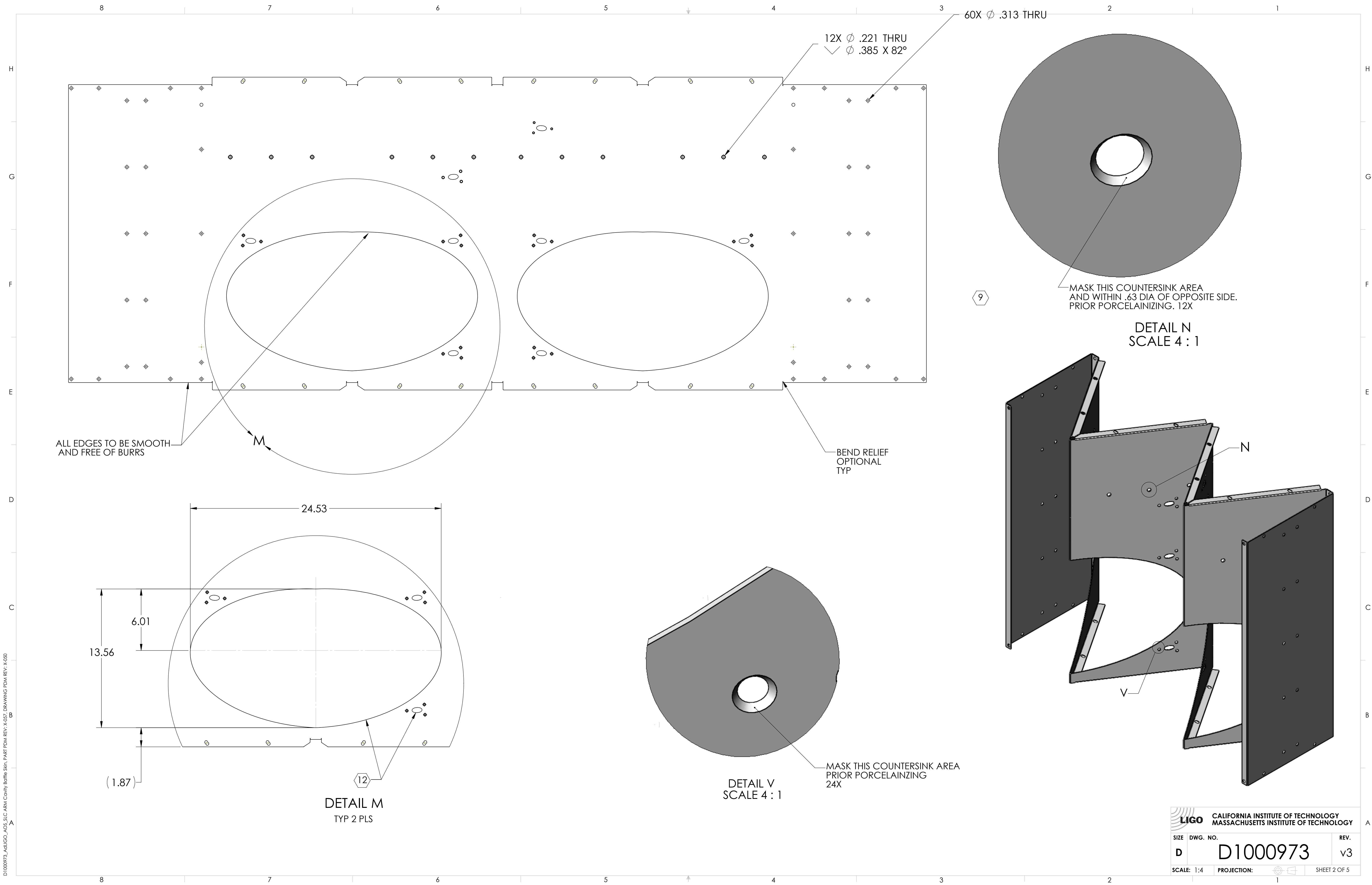
DIMENSIONS ARE IN INCHES

TOLERANCES:
 .XX ± .03
 .XXX ± .015

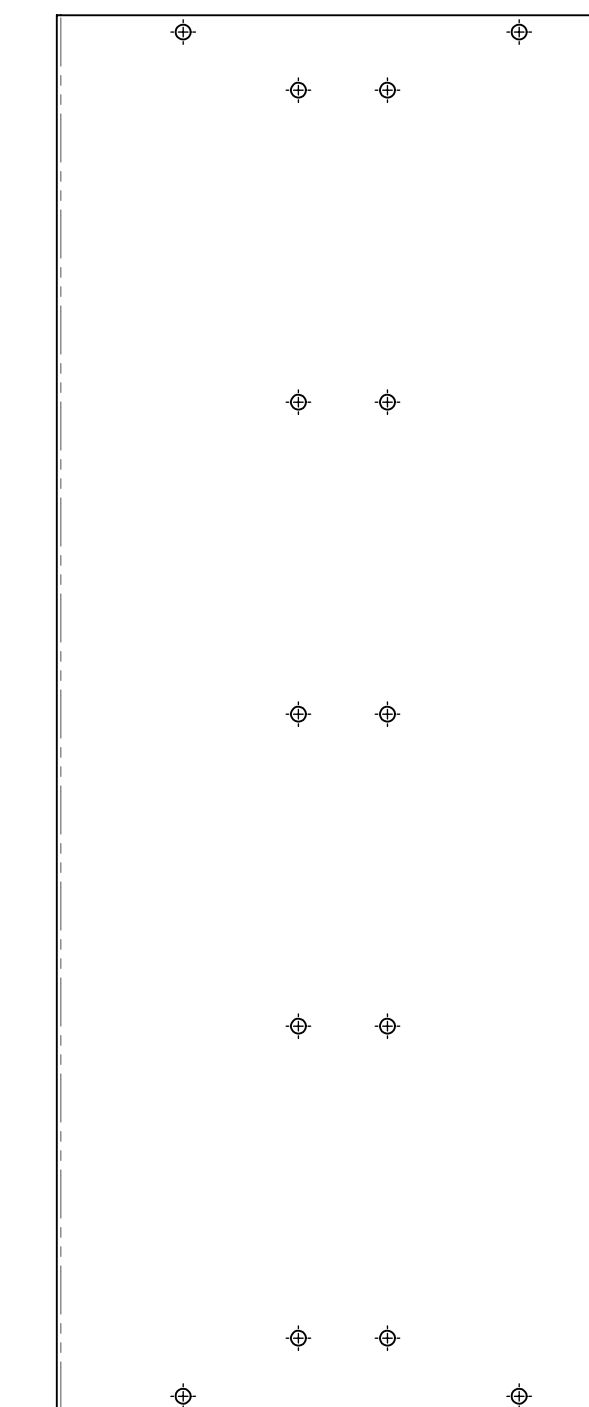
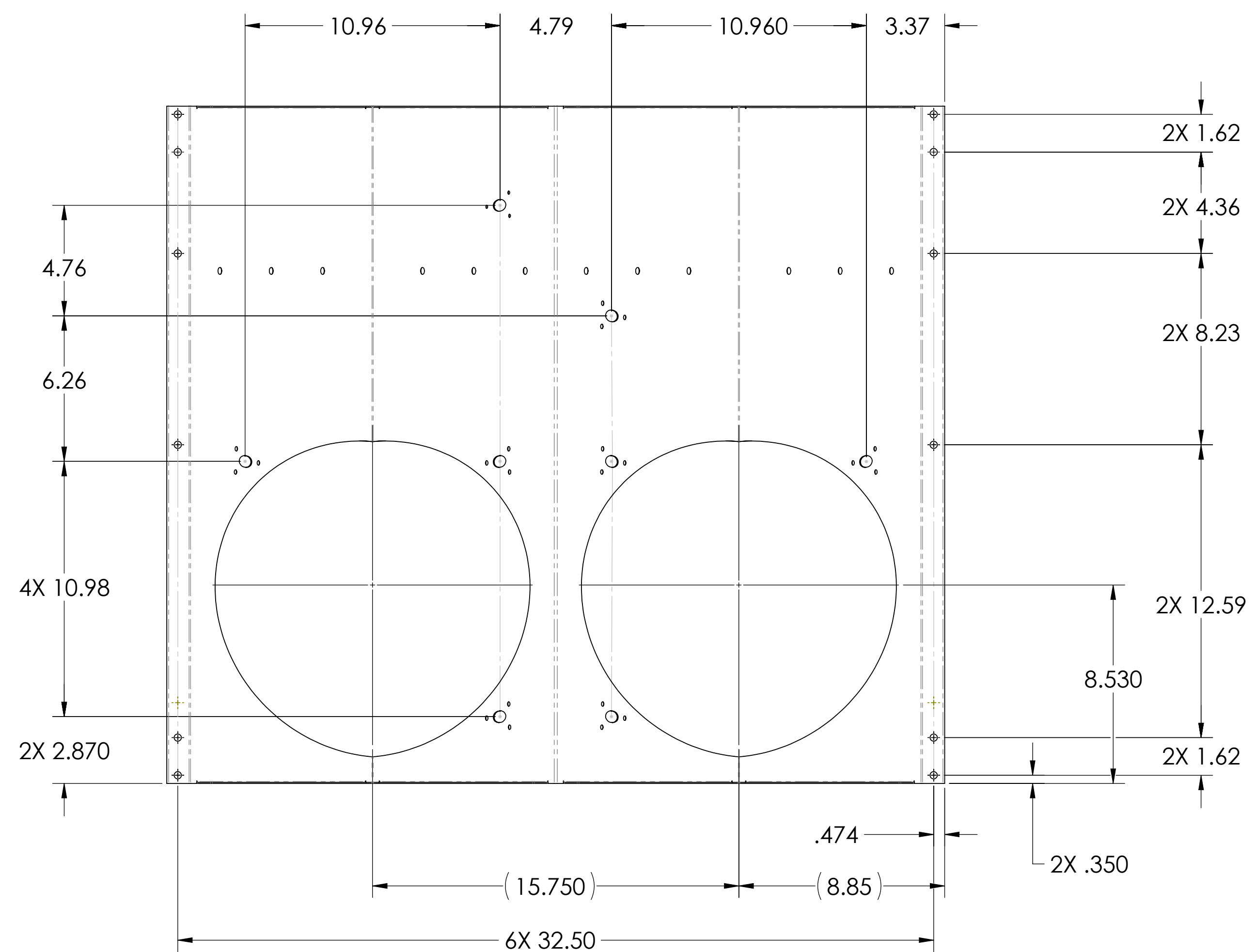
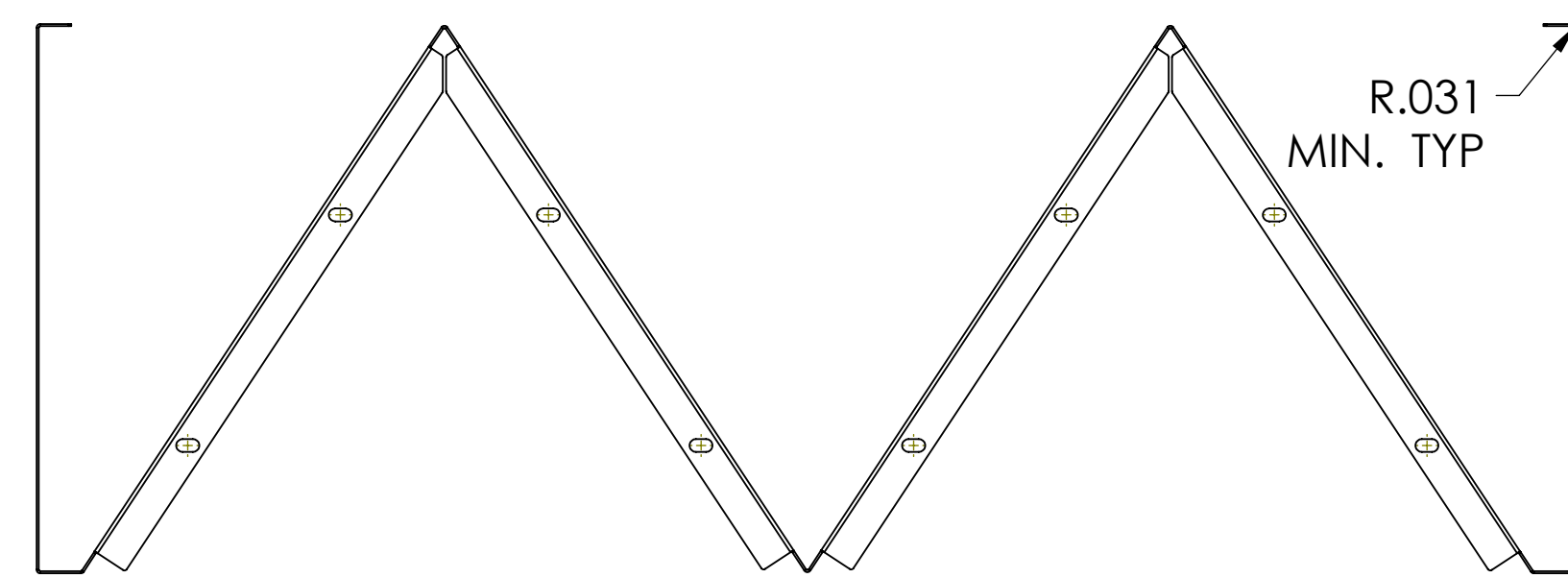
ANGULAR ± 1.0°

MATERIAL	FINISH
18 GA Enamel Steel A424 Type I	8 9

CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		PART NAME ARM CAVITY BAFFLE SKIN	
SYSTEM ADVANCED LIGO	SUB-SYSTEM AOS	DESIGNER N.Nguyen	DATE 20 May 2010
DRAFTER TQ. NGUYEN	CHECKER M. SMITH	DATE 27 MAY 2010 10 NOV 2010	SIZE D
APPROVAL D. COYNE	DATE 20 NOV 2010	DWG. NO. D1000973	REV. v3
NEXT ASSY D1000977	SCALE: 1:4	PROJECTION:	SHEET 1 OF 5



D1000973_AduLIGO_ACS_SLC_ARM_Covily_Bottle_Sign_PART_PDM_REV_X-08Z_DRAWING_PDM_REV_X-030



D1000973_AduLIGO_AOS_SLC_ARM_Cavity_Bottle_Sign_PART_PDM_REV_X-02Z_DRAWING_PDM_REV_X-030

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E

D

D

C

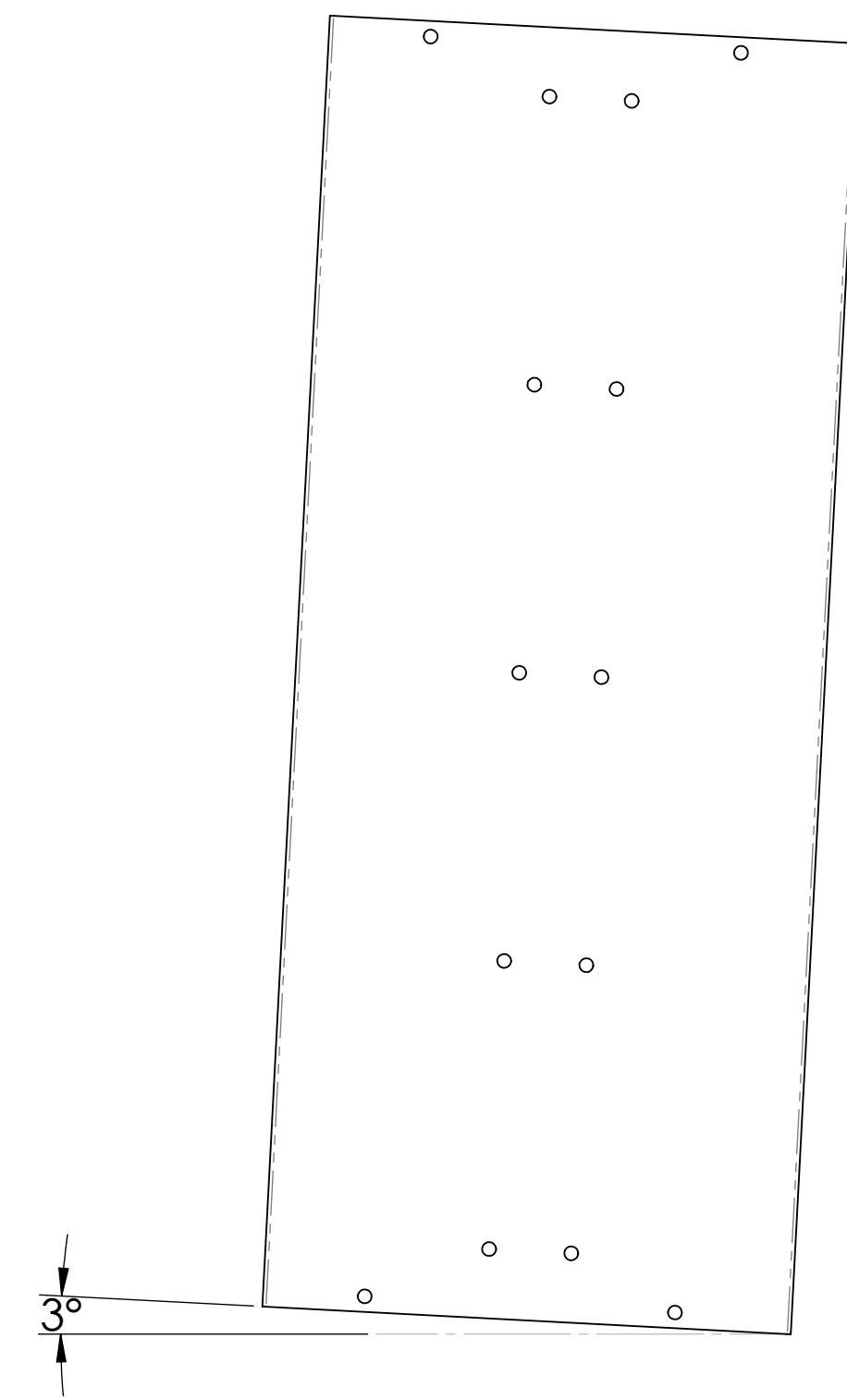
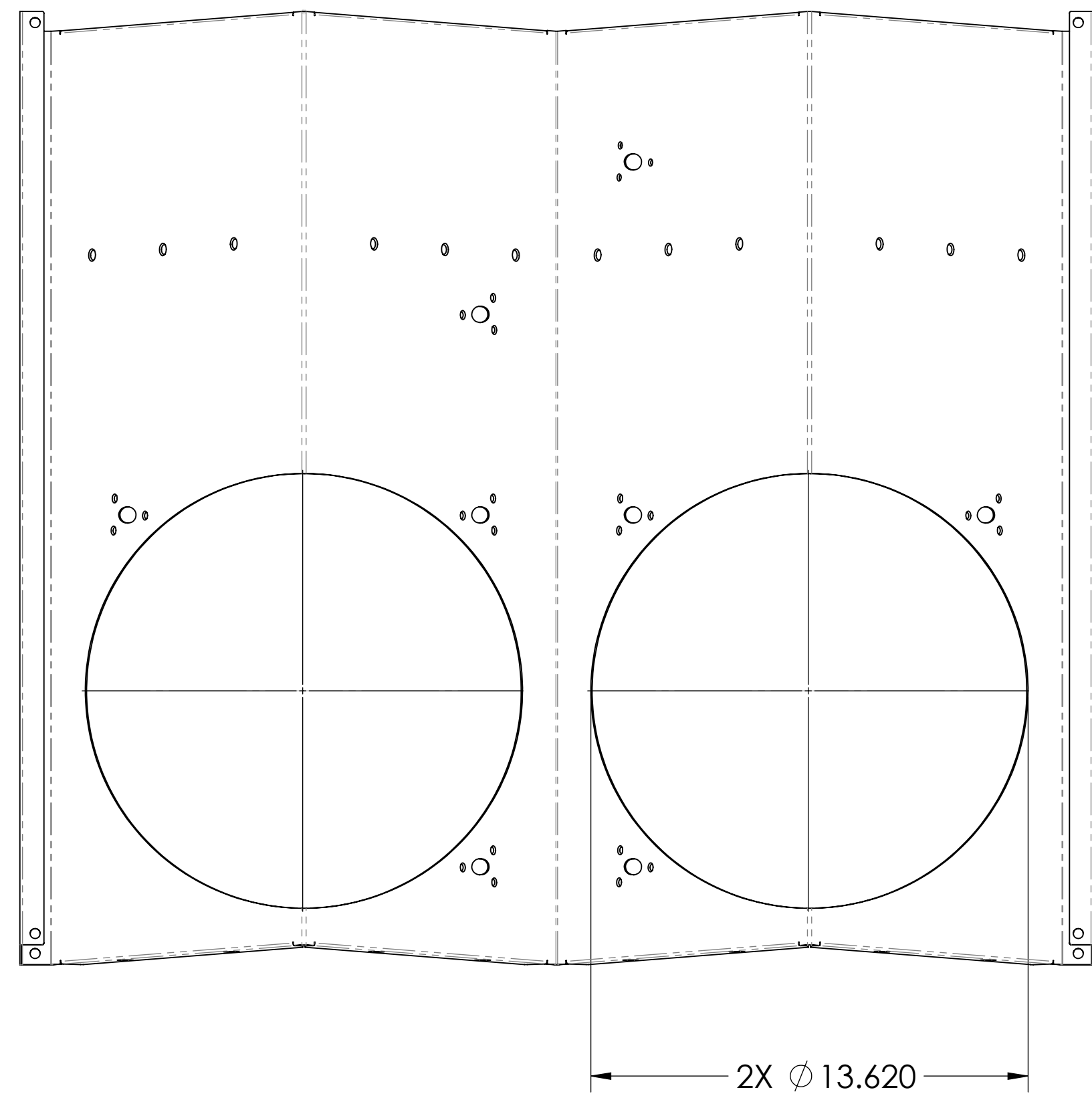
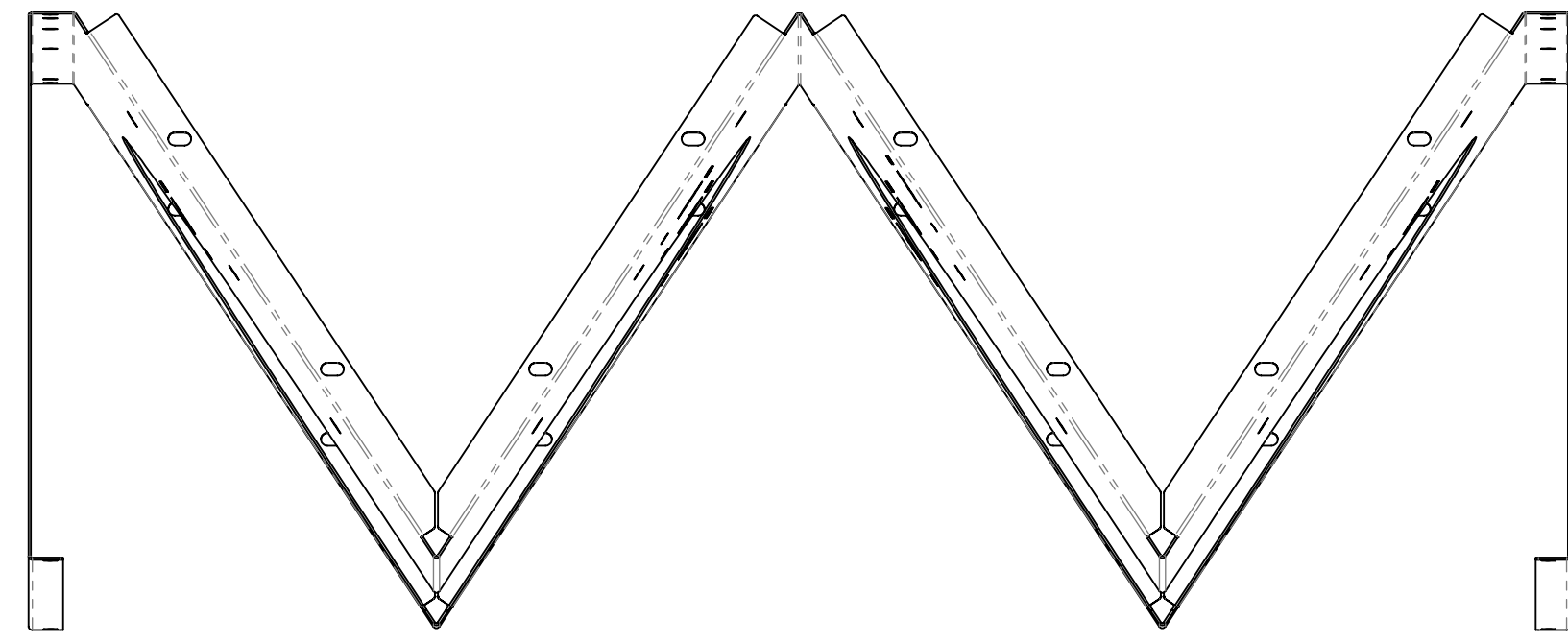
C

B


B

A

A



3° TILT

 CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		
SIZE	DWG. NO.	REV.
D	D1000973	v3
SCALE: 1:4	PROJECTION:	SHEET 4 OF 5

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D:\00973_Adu\GO_ACS_3\AC_ARM_Covily_Bottle_Sign_PART_PDM_REV.X-02Z_DRAWING_PDM_REV.X-030

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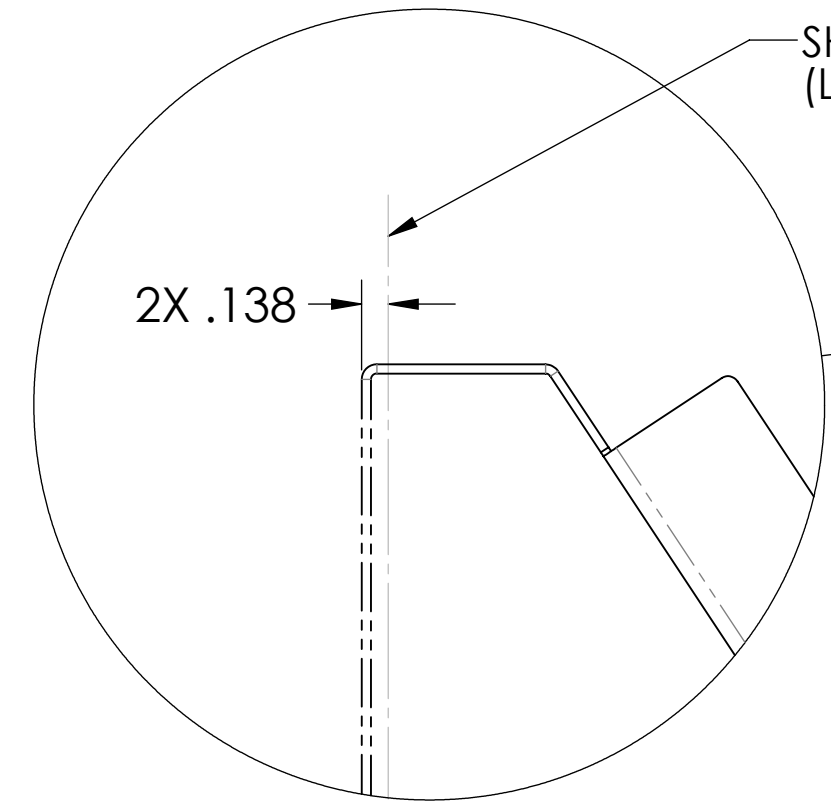
E

D

C

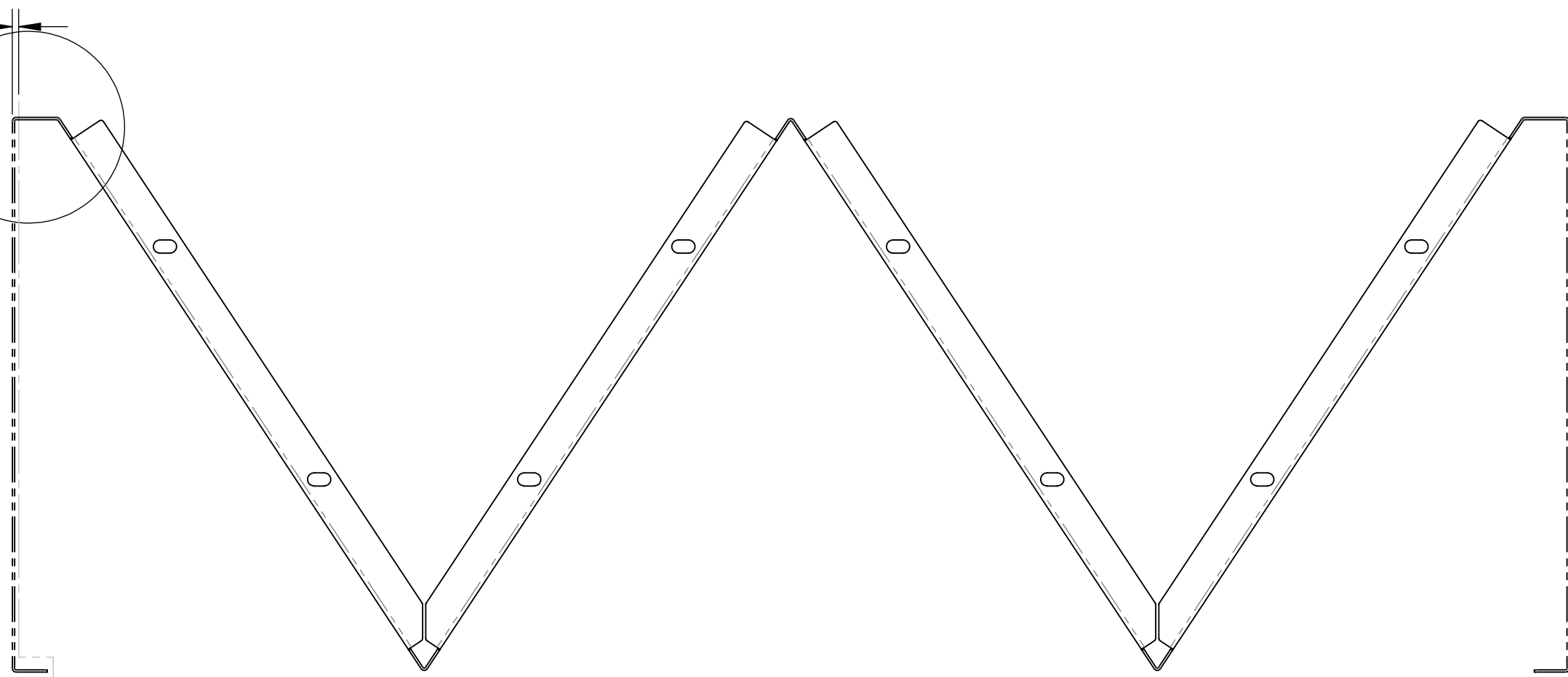
B

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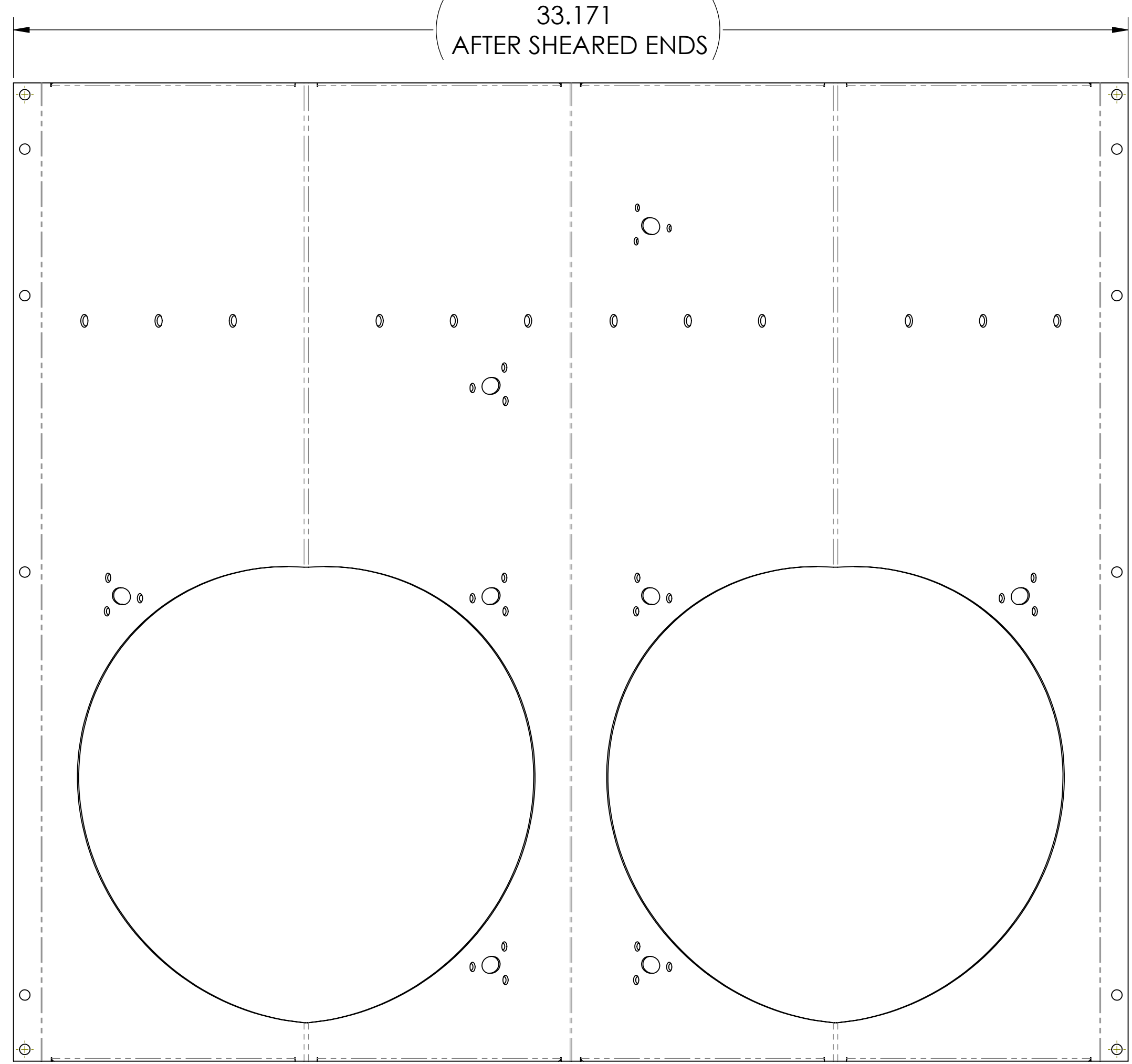
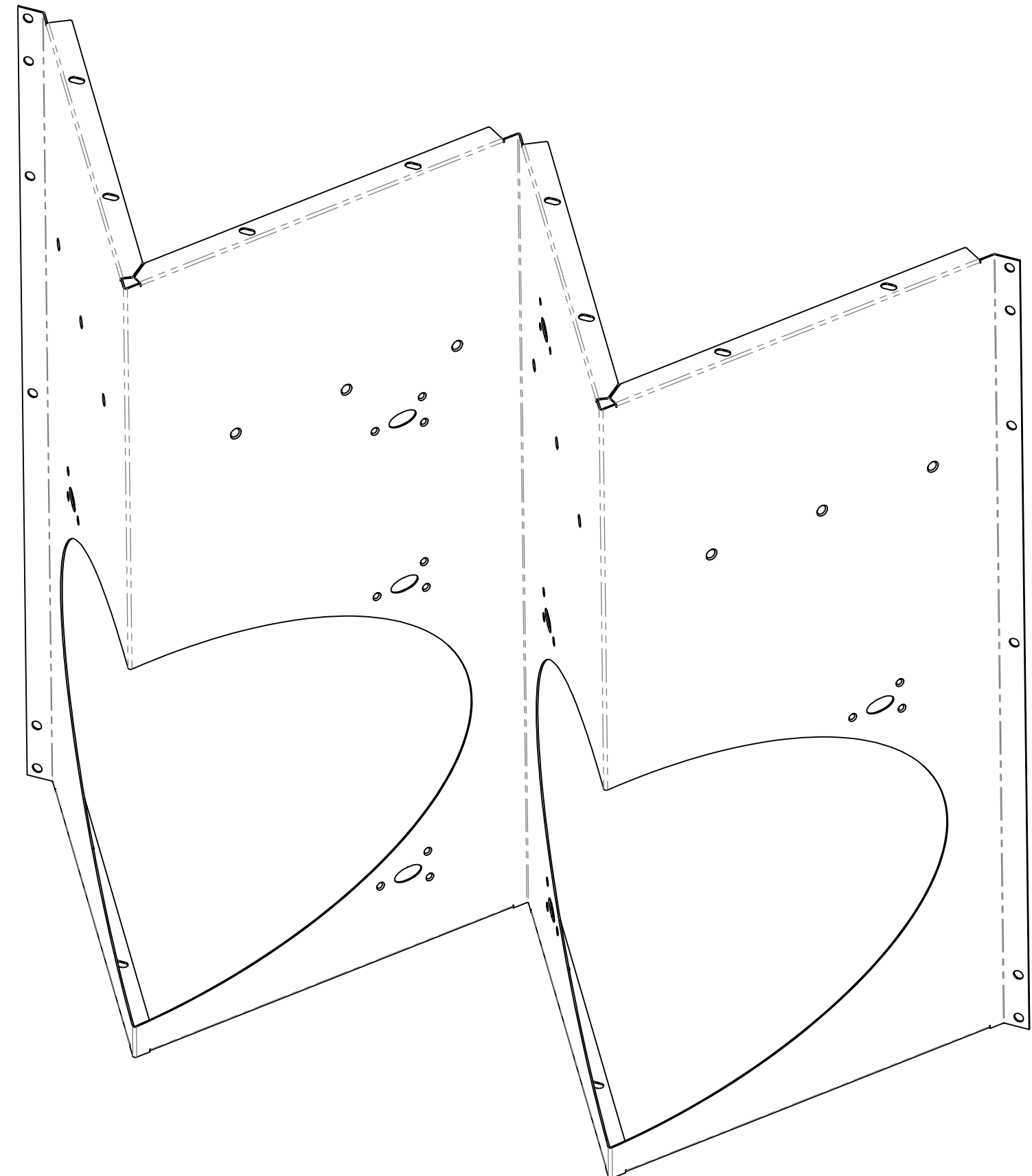


DETAIL AA
SCALE 1 : 1

(.138)



33.171
AFTER SHEARED ENDS



LIGO CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY		REV.
SIZE	DWG. NO.	REV.
D	D1000973	v3
SCALE: 1:4	PROJECTION:	SHEET 5 OF 5

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D:\000973_AduLIGO_ACS_SLC_ARM_Covily_Bottle_Sign_PART_FDM_REV.X-REV2_DRAWING_FDM_REV.X-030