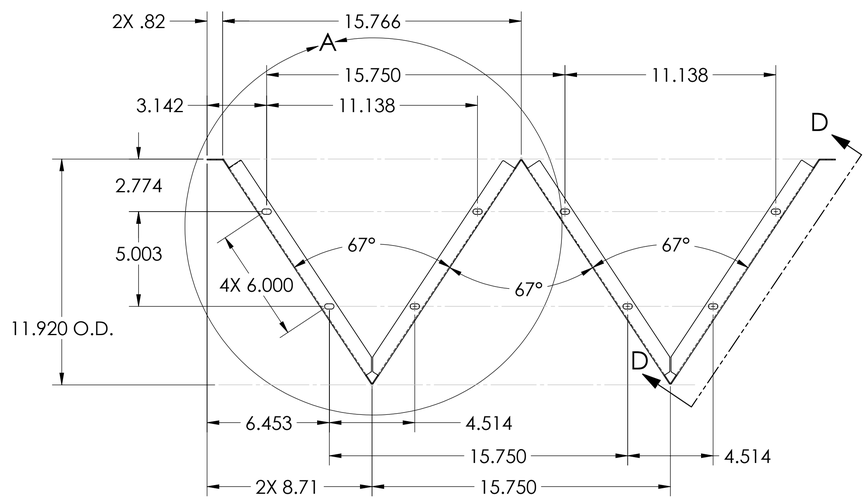
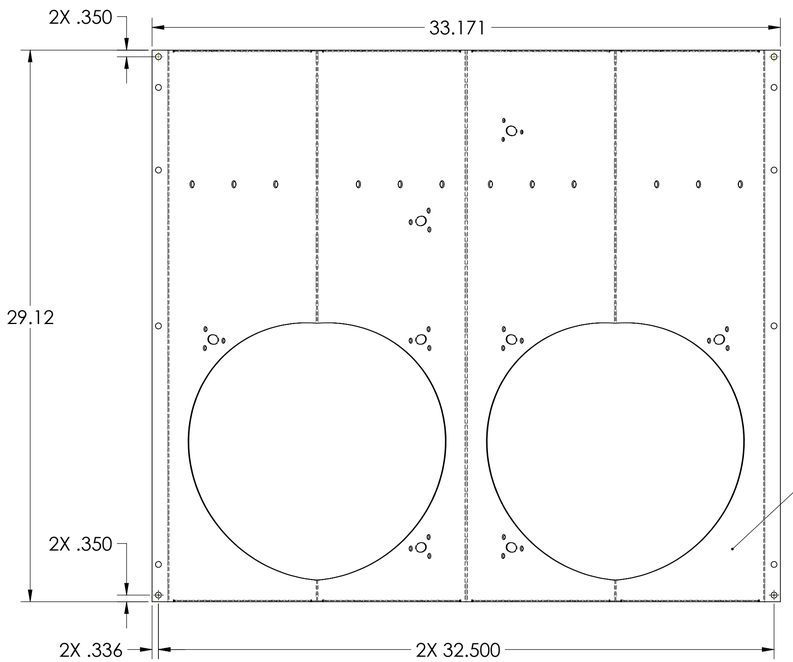
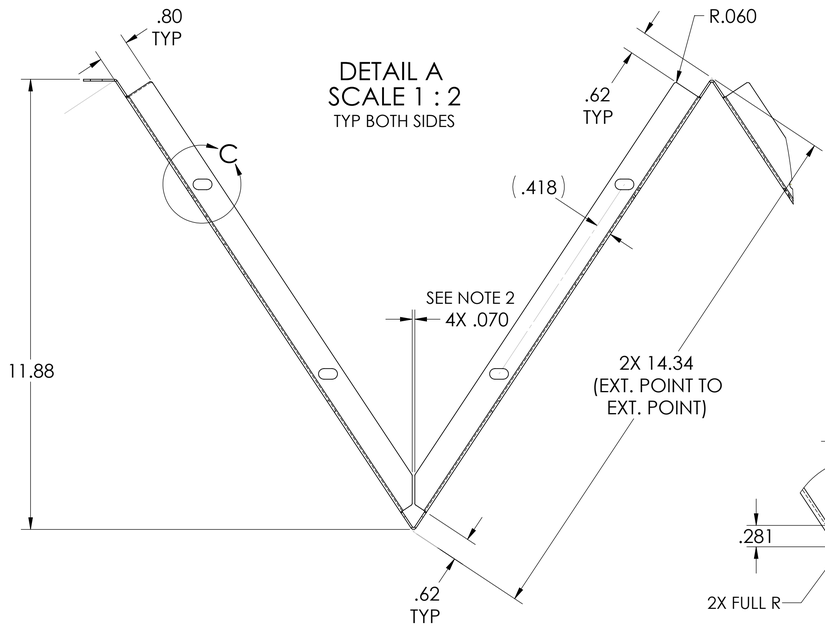
NOTES: UNLESS OTHERWISE SPECIFIED

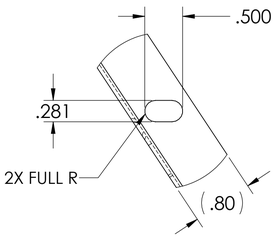
1. INTERPRET DRAWING PER ASME Y14.5-1994.
2. REMOVE ALL SHARP EDGES. FULL RADIUS ON ALL EDGES AND HOLES.
3. DO NOT SCALE FROM DRAWING.
4. ALL MACHINE FLUIDS MUST BE FULLY SYNTHETIC, FULL WATER SOLUBLE AND FREE OF SULFUR, SILICONE AND CHLORINE PER LIGO DOCUMENT E0900237.
5. ⟨5⟩ MECHANICALLY STAMP (NO 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) UNLESSS APPROVED IN ADVANCE, IN WRITING, BY LIGO PER SPECIFICATION E0900364.
8. ⟨8⟩ SURFACE FINISH TO BE AS-PROCESSED FROM MILL/SUPPLIER, FREE FROM SCRATCHES OR GOUGES.
9. ⟨9⟩ PART WILL BE COMPLETELY PROCELAIN COATED PER LIGO SPECIFICATION E1000083 AFTER FABRICATION.
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. ⟨12⟩ SEE CAD FILE # D1000973.SLDPRT TO GENERATE ELLIPSE CURVES.
13. ⟨13⟩ COUNTERSUNK HOLES TO BE CLEANED OF FRIT PRIOR TO BAKING.

REV.	DATE	DCN #	DRAWING TREE #
v1	02 JUL 2010	E1000285	
v2	11 MAR 2011	E1100216	
v3	20 MAY 2011	E1100335	
v4	27 MAY 2011	E1100335	
v5	25 JUN 2011	E1100335	

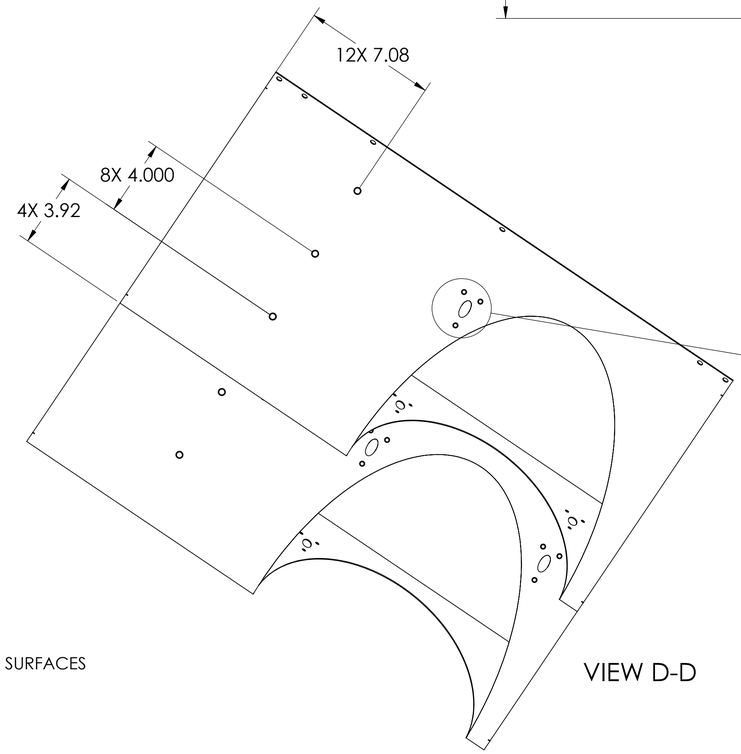




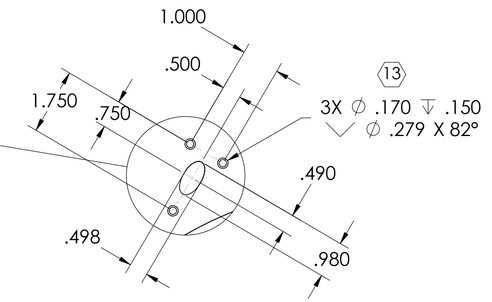




DETAIL C
SCALE 1 : 1
TYP BOTH SIDES



VIEW D-D



DETAIL B
SCALE 1 : 2
TYP 8 PLS

NOTES AND TOLERANCES: (UNLESS OTHERWISE SPECIFIED)

DIMENSIONS ARE IN INCHES

TOLERANCES:
.XX ± .03
.XXX ± .015

ANGULAR ± 1.0°

MATERIAL: 18GA Enamel A424 Type I

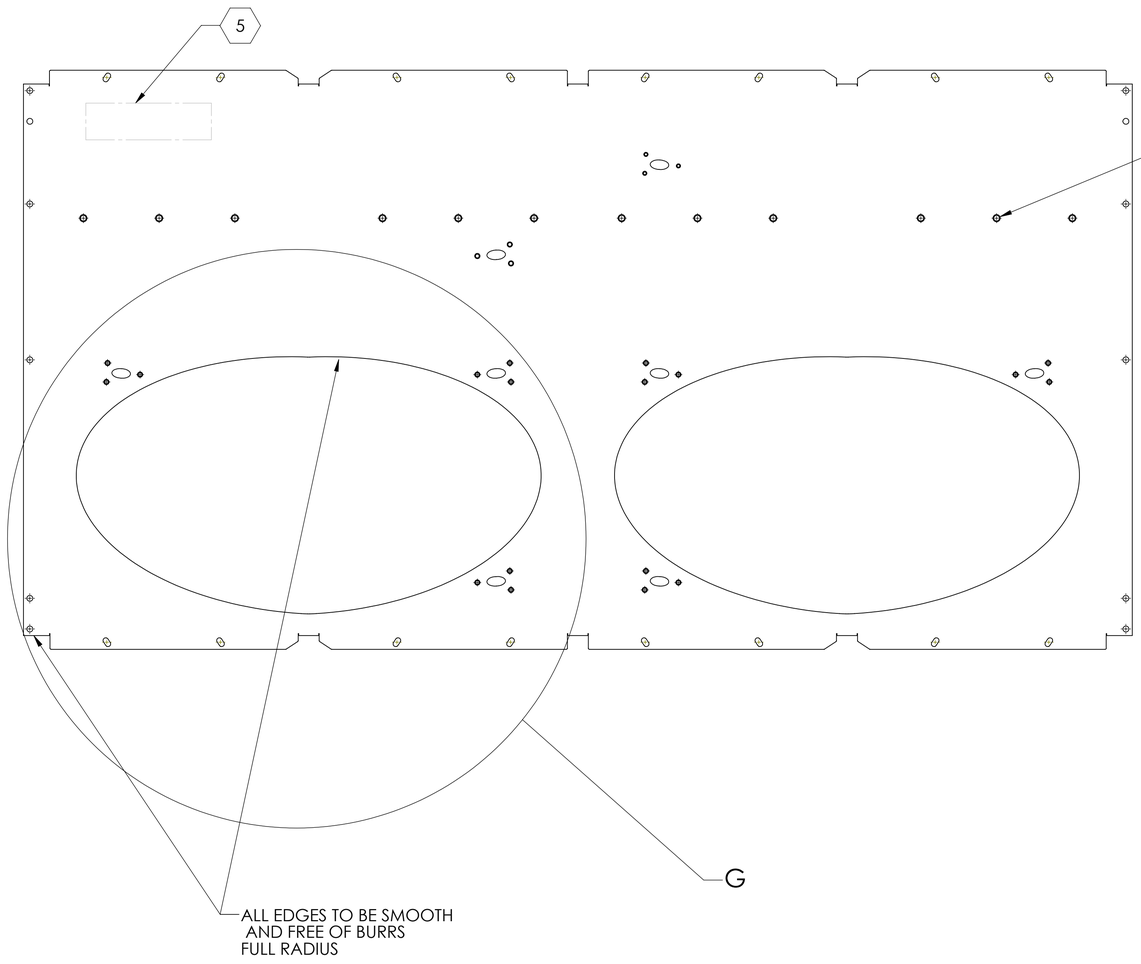
FINISH: ⟨8⟩ ⟨9⟩

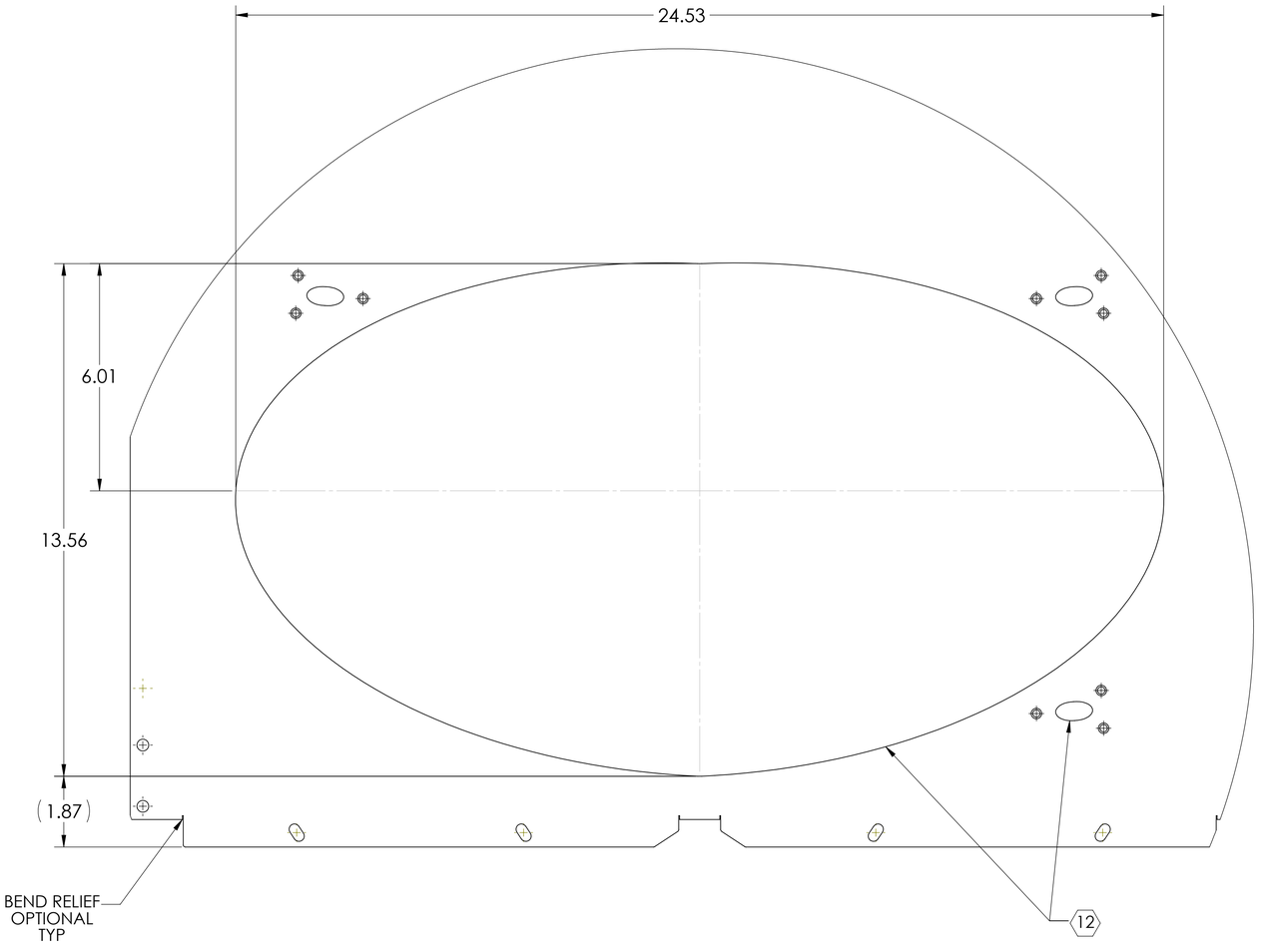
CALIFORNIA INSTITUTE OF TECHNOLOGY
MASSACHUSETTS INSTITUTE OF TECHNOLOGY
LIGO

SYSTEM: ADVANCED LIGO
SUB-SYSTEM: AOS
NEXT ASSY: D1000977

PART NAME: ARM CAVITY BAFFLE SKIN

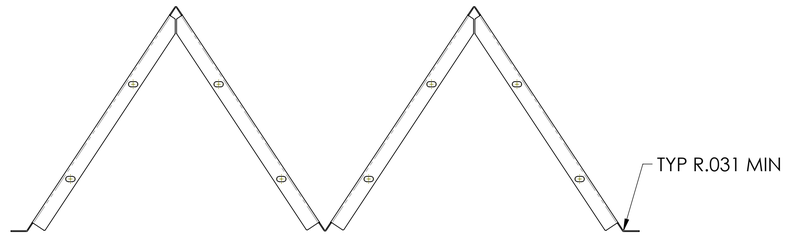
DESIGNER	N.Nguyen	20 May 2010	SIZE	DWG. NO.	REV.
DRAFTER	TQ. NGUYEN	27 MAY 2010	D	D1000973	v5
CHECKER	M. SMITH	10 NOV 2010			
APPROVAL	D. COYNE	20 NOV 2010	SCALE: 1:4	PROJECTION:	SHEET 1 OF 4

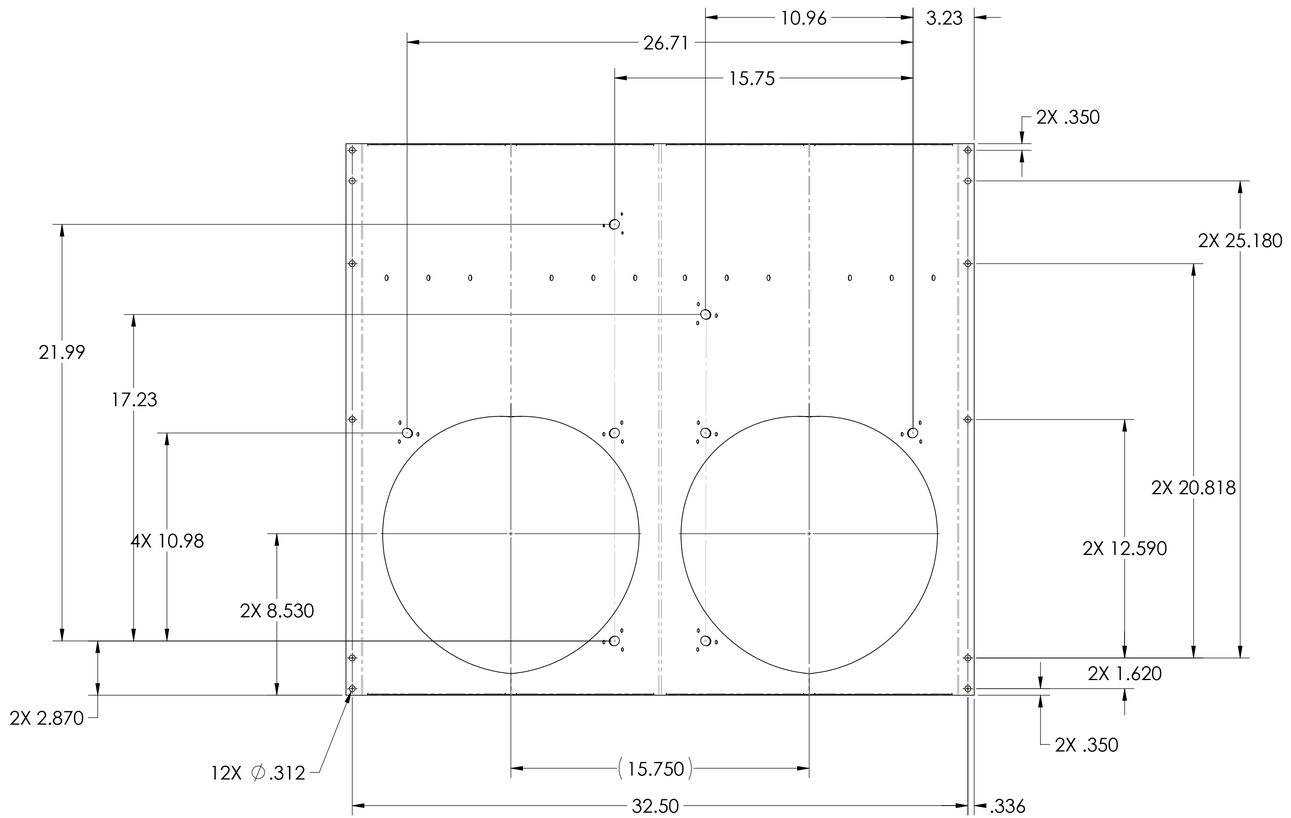




DETAIL G
SCALE 1 : 2
2 PLS

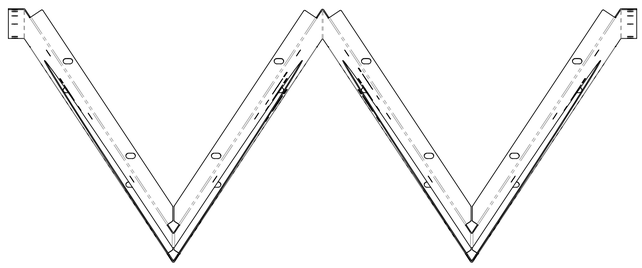
LIGO	CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY	
SIZE: D	DWG. NO.: D1000973	REV.: V5
SCALE: 1:4	PROJECTION:	SHEET 2 OF 4

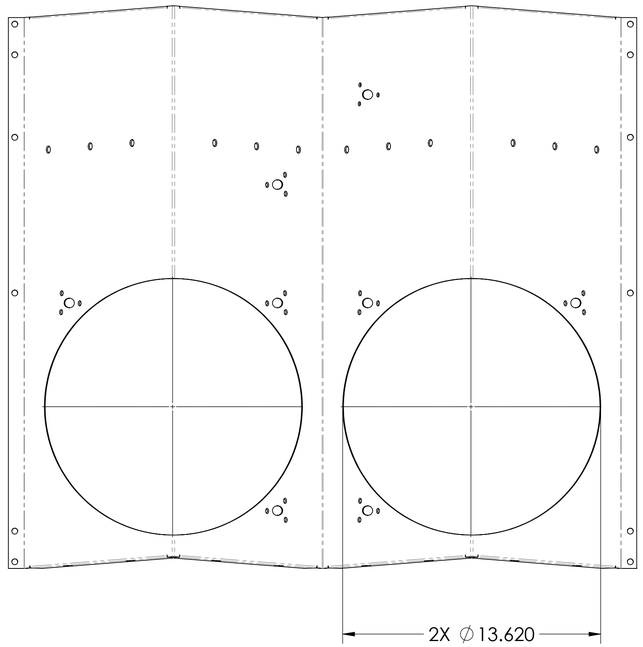


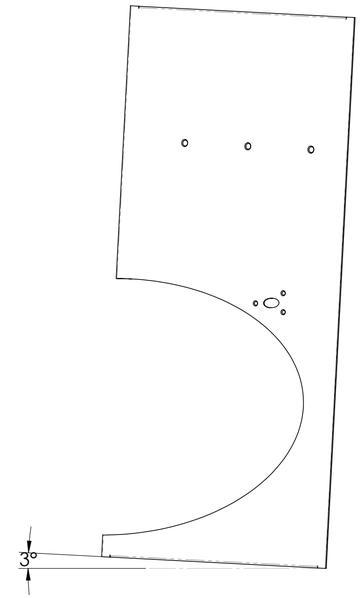


D1000973-v5_AdLIGO_AOS_SLC ARM Cavity Baffle Skin, PART PDM REV: X-062, DRAWING PDM REV: X-058

LIGO	CALIFORNIA INSTITUTE OF TECHNOLOGY MASSACHUSETTS INSTITUTE OF TECHNOLOGY	
SIZE D	DWG. NO. D1000973	REV. V5
SCALE: 1:4	PROJECTION:	SHEET 3 OF 4







3° TILT

LIGO
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MASSACHUSETTS INSTITUTE OF TECHNOLOGY

SIZE	DWG. NO.	REV.
D	D1000973	V5
SCALE: 1:4	PROJECTION:	SHEET 4 OF 4

D1000973-v5_AdLIGO_AOS_SLC ARM Cavity Baffle Skin, PART PDM REV: X-062, DRAWING PDM REV: X-058