

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	A	INITIAL RELEASE	8/27/2019	



Copyright
Portland State Aerospace Society
Licensed under CERN OHL v.1.2
UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCES: ± 0.005
ANGULAR TOLERANCE: ±1°

MATERIAL
6061-T6
FINISH
SEE NOTES
WEIGHT
SEE NOTES
DO NOT SCALE DRAWING

	NAME	DATE
DRAWN	CATIE SPIVEY	8/26/19
CHECKED	--	
ENG APPR.	--	
MFG APPR.	--	

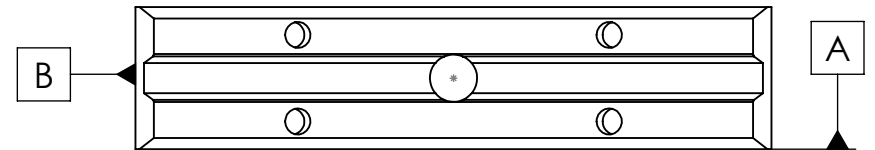
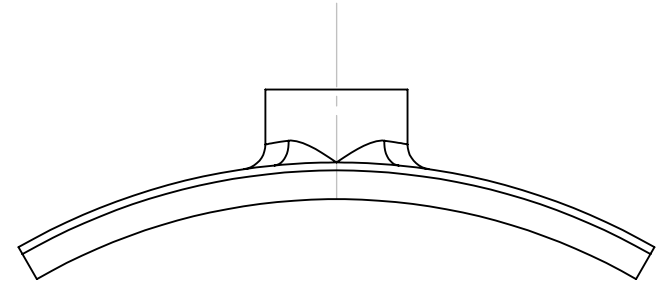
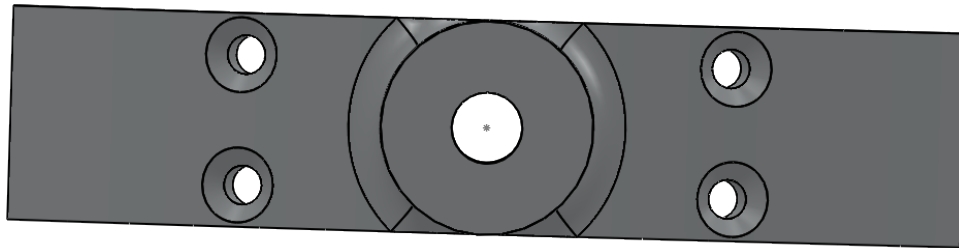
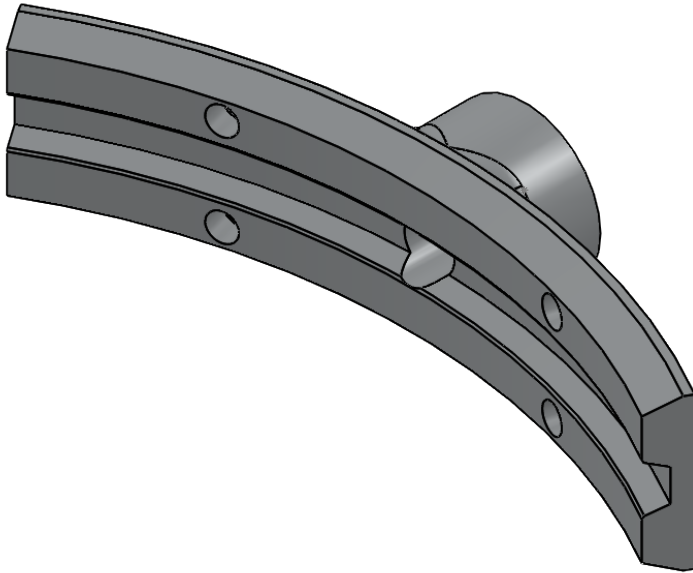
Description:
LV 3.1 LAUNCH LUG
DRAWING

COMMENTS:
--

DWG. NO.		
RailMountArc1u		
REV	SIZE	SCALE: 1:1
A	A	SHEET 1 OF 4

NOTES:

1. REFERENCE RailMountArc1u.STEP FOR MODEL BASE DEF
2. MATERIAL: 6061-T6
3. FINISH: AS MACHINED
4. WEIGHT: AS MACHINED
5. BREAK ALL EDGES
6. DATUM B IS THE OUTER CIRCUMFERENCE



Copyright
Portland State Aerospace Society
Licensed under CERN OHL v.1.2
UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCES: ± 0.005
ANGULAR TOLERANCE: $\pm 1^\circ$

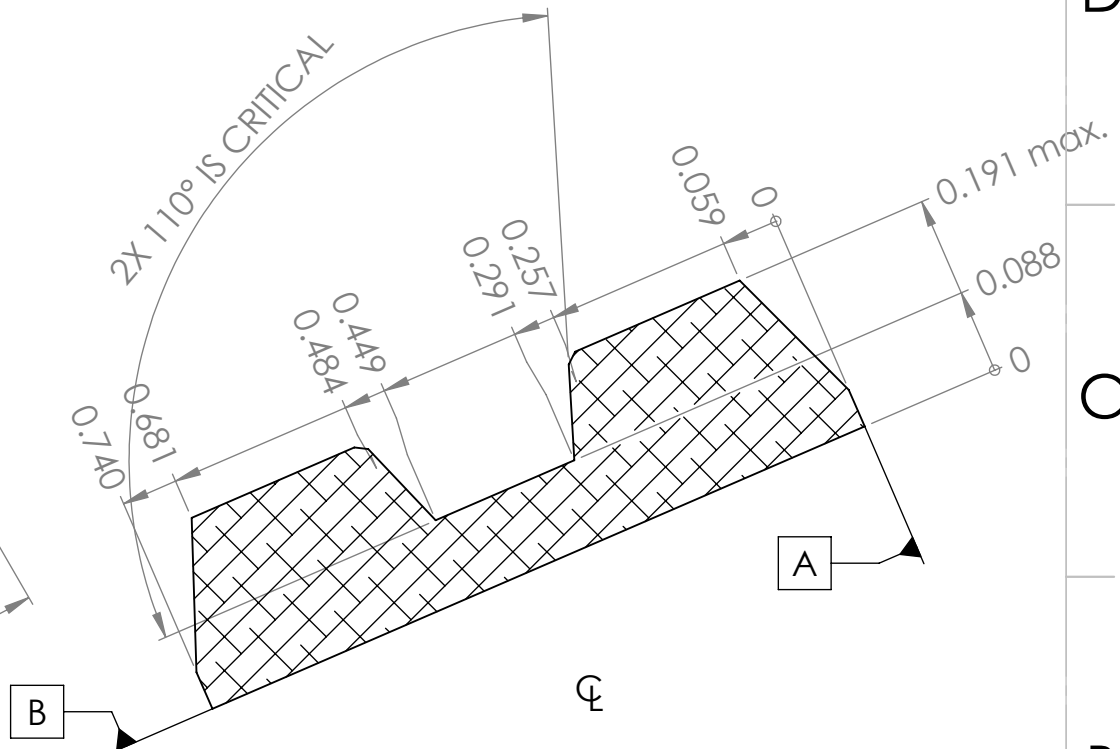
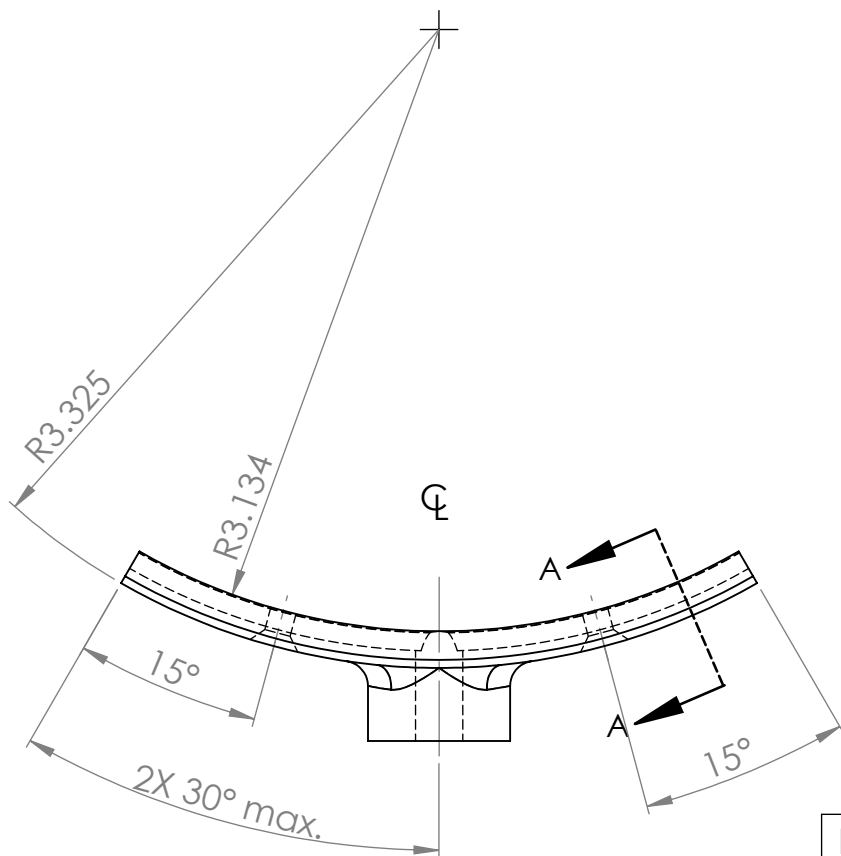
MATERIAL 6061-T6
FINISH SEE NOTES
WEIGHT SEE NOTES
DO NOT SCALE DRAWING

	NAME	DATE
DRAWN	CATIE SPIVEY	8/26/19
CHECKED	--	
ENG APPR.	--	
MFG APPR.	--	

COMMENTS:
--

Description:
LV 3.1 LAUNCH LUG
DRAWING

DWG. NO.		RailMountArc1u
REV	SIZE	SCALE: 3:2
A	A	SHEET 2 OF 4



SECTION A-A
SCALE 5 : 1



Copyright
Portland State Aerospace Society
Licensed under CERN OHL v.1.2
UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCES: ± 0.005
ANGULAR TOLERANCE: $\pm 1^\circ$

MATERIAL 6061-T6
FINISH SEE NOTES
WEIGHT SEE NOTES
DO NOT SCALE DRAWING

	NAME	DATE
DRAWN	CATIE SPIVEY	8/26/19
CHECKED	--	
ENG APPR.	--	
MFG APPR.	--	

COMMENTS:
--

Description:
LV 3.1 LAUNCH LUGS
DRAWING

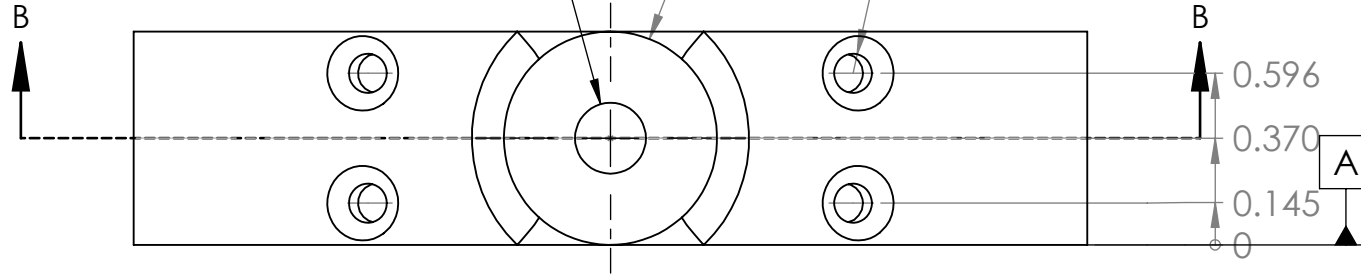
DWG. NO. RailMountArc1u

REV	SIZE	SCALE: 1:1
A	A	SHEET 3 OF 4

TAP FOR M6x1.0 HELICOIL

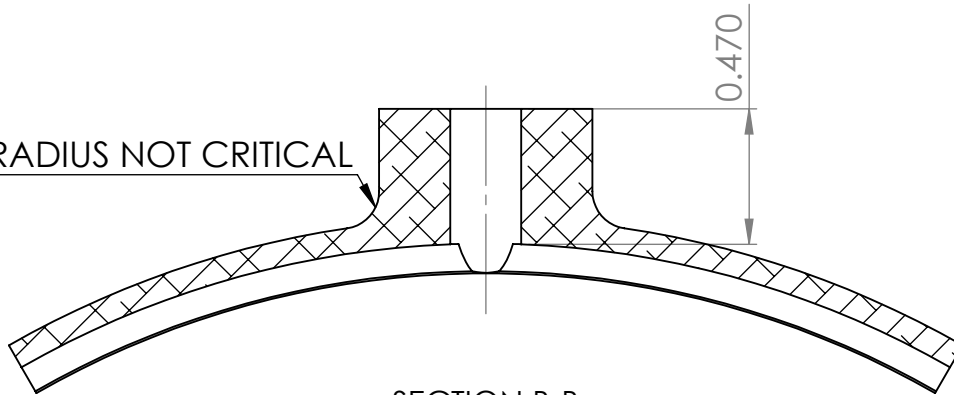
$\phi 0.740$

4 x $\phi 0.136$ THRU ALL
 $\checkmark \phi 0.259 \times 82^\circ$



RADIUS NOT CRITICAL

0.470



SECTION B-B



Copyright
Portland State Aerospace Society
Licensed under CERN OHL v.1.2
UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCES: ± 0.005
ANGULAR TOLERANCE: $\pm 1^\circ$

MATERIAL 6061-T6
FINISH SEE NOTES
WEIGHT SEE NOTES
DO NOT SCALE DRAWING

	NAME	DATE
DRAWN	CATIE SPIVEY	8/26/19
CHECKED	--	
ENG APPR.	--	
MFG APPR.	--	

COMMENTS:
--

Description:
LV 3.1 LAUNCH LUG
DRAWING

DWG. NO. RailMountArc1u

REV	SIZE	SCALE: 3:2
A	A	SHEET 4 OF 4