

SOLIDWORKS Educational Product. For Instructional Use Only

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCES:
FRACTIONS: 1/32
ANGULAR: MACH ± BEND ±
TWO PLACE DECIMAL ±.01
THREE PLACE DECIMAL ±.001

	MATERIAL	6061-T6 aluminum
	FINISH	milled or bead-blasted
	Weight	
	DO NOT SCALE DRAWING	

	NAME	DATE
DRAWN	Joe S.	2/21/2018
CHECKED	--	
ENG APPR.	--	
MFG APPR.	--	

Description:
ring structure for the LV3
camera and umbilical
modules

COMMENTS:

DWG. NO.			--
REV	SIZE	SCALE: 1:2	
v0.3	A	SHEET 1 OF 4	

6

5

4

3

2

1

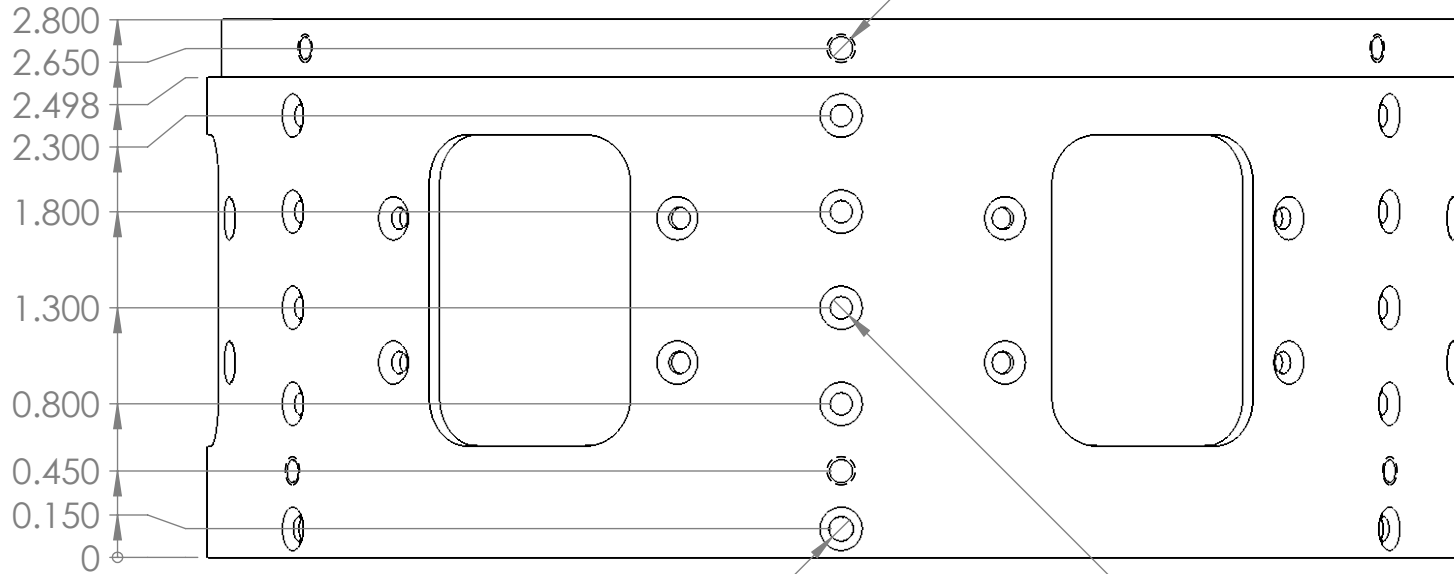
D

C

B

A

12X ϕ .120 ∇ 1.000
TAP FOR #4-40 HELICOIL INSERT = 1.0 * DIA.



6X ϕ .129 ∇ 1.000
 \checkmark ϕ .225 X 100°

24X ϕ .116 ∇ 1.000
 \checkmark ϕ .225 X 100°

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THREE PLACE DECIMAL \pm .001



MATERIAL
FINISH
Weight
DO NOT SCALE DRAWING

	NAME	DATE
DRAWN	Joe S.	2/21/2018
CHECKED	--	
ENG APPR.	--	
MFG APPR.	--	

Description:
pillar mounting holes

COMMENTS:
Only holes without
countersinks are
tapped for Helicoils.

DWG. NO. --		
REV	SIZE	SCALE: 1:1
v0.3	A	SHEET 2 OF 4

6

5

4

3

2

1

6

5

4

3

2

1

D

D

C

C

B

B

A

A

1.210

(2.800)

(2.498)

2.200

1.765

1.015

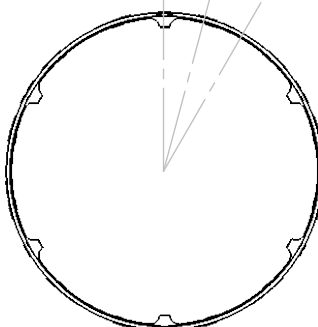
0.580

0

15°

30°

24X R0.250

22X ϕ .116 ∇ 1.000
 \checkmark ϕ .225 X 100°**SOLIDWORKS Educational Product. For Instructional Use Only**

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MATERIAL
FINISH
Weight
DO NOT SCALE DRAWING

	NAME	DATE
DRAWN	Joe S.	2/21/2018
CHECKED	--	
ENG APPR.	--	
MFG APPR.	--	

COMMENTS:

Description:
window cutout for
cameras or other pass-
throughs

DWG. NO.			--
REV	SIZE	SCALE: 1:1	
v0.3	A	SHEET 3 OF 4	

6

5

4

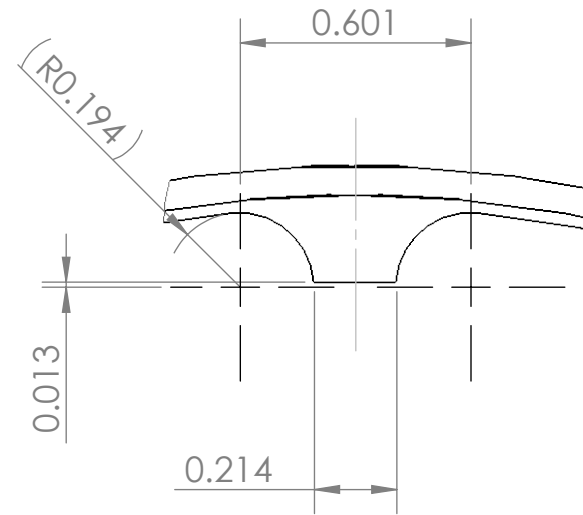
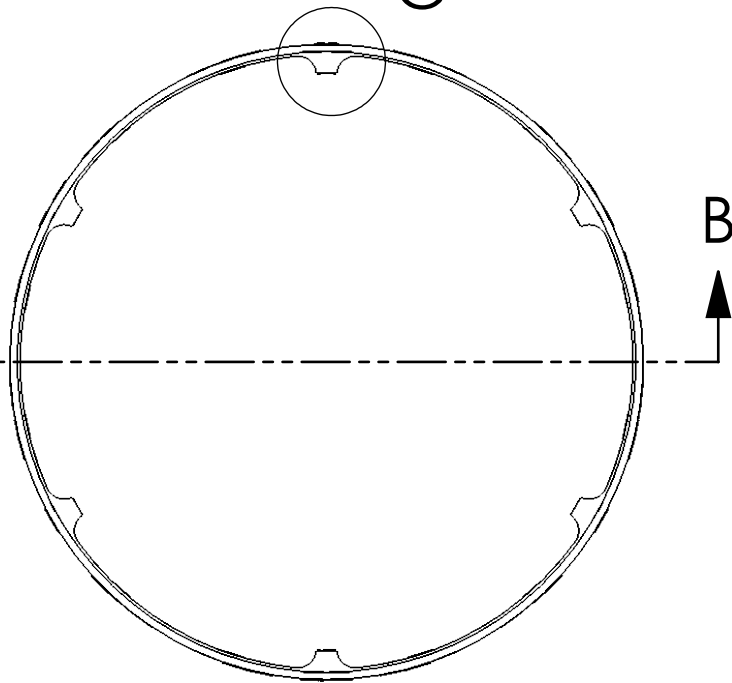
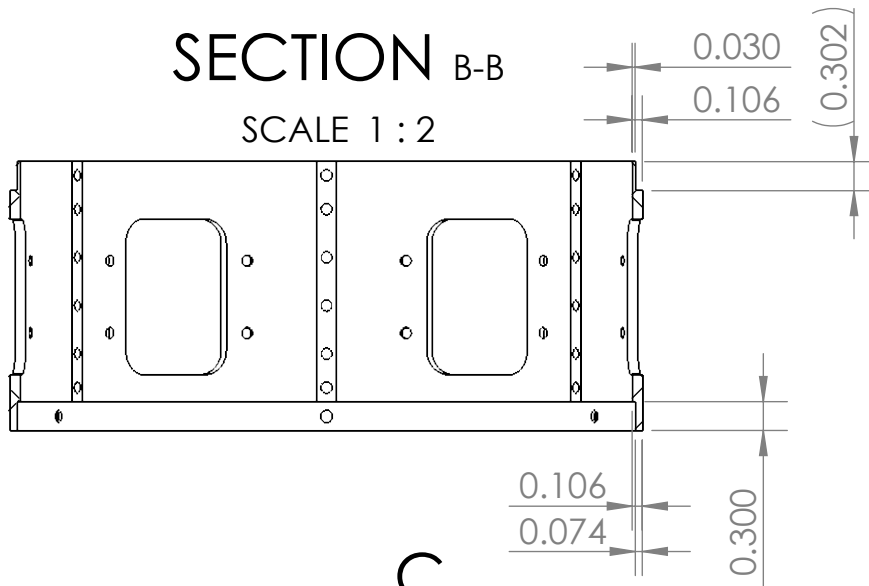
3

2

1

SECTION B-B

SCALE 1 : 2



DETAIL C

SCALE 2 : 1

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TWO PLACE DECIMAL ±.01
THREE PLACE DECIMAL ±.001



MATERIAL
FINISH
Weight
DO NOT SCALE DRAWING

	NAME	DATE
DRAWN	Joe S.	2/21/2018
CHECKED	--	
ENG APPR.	--	
MFG APPR.	--	

Description:
wall and pillar dimensions

COMMENTS:

DWG. NO.

--

REV

SIZE

SCALE: 1:1

v0.3

A

SHEET 4 OF 4