


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
v0.4	<b>A</b>	SHEET 1 OF 4

6

5

4

3

2

1

D

D

C

C

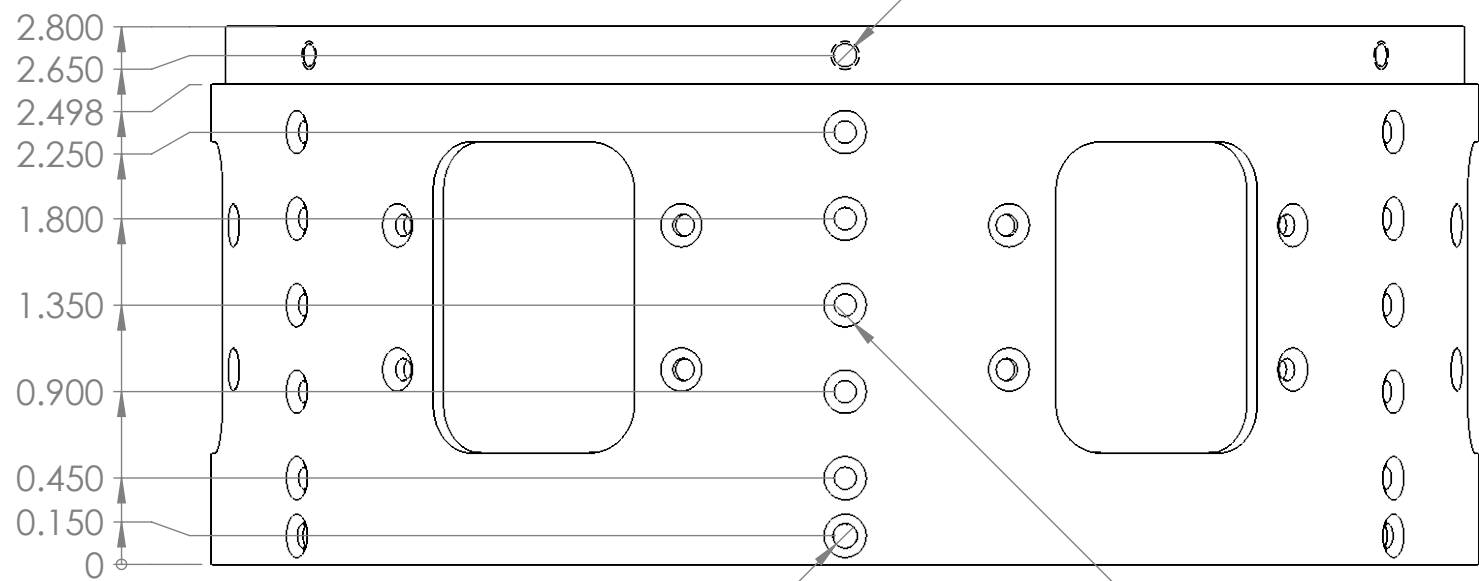
B

B

A

A

6X  $\phi$  .120  $\nabla$  1.000  
TAP FOR #4-40 HELICOIL INSERT = 1.0 \* DIA.



6X  $\phi$  .129  $\nabla$  1.000  
 $\checkmark$   $\phi$  .225 X 100°

30X  $\phi$  .116  $\nabla$  1.000  
 $\checkmark$   $\phi$  .225 X 100°

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TWO PLACE DECIMAL  $\pm$ .01  
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
v0.4	A	SHEET 2 OF 4

6

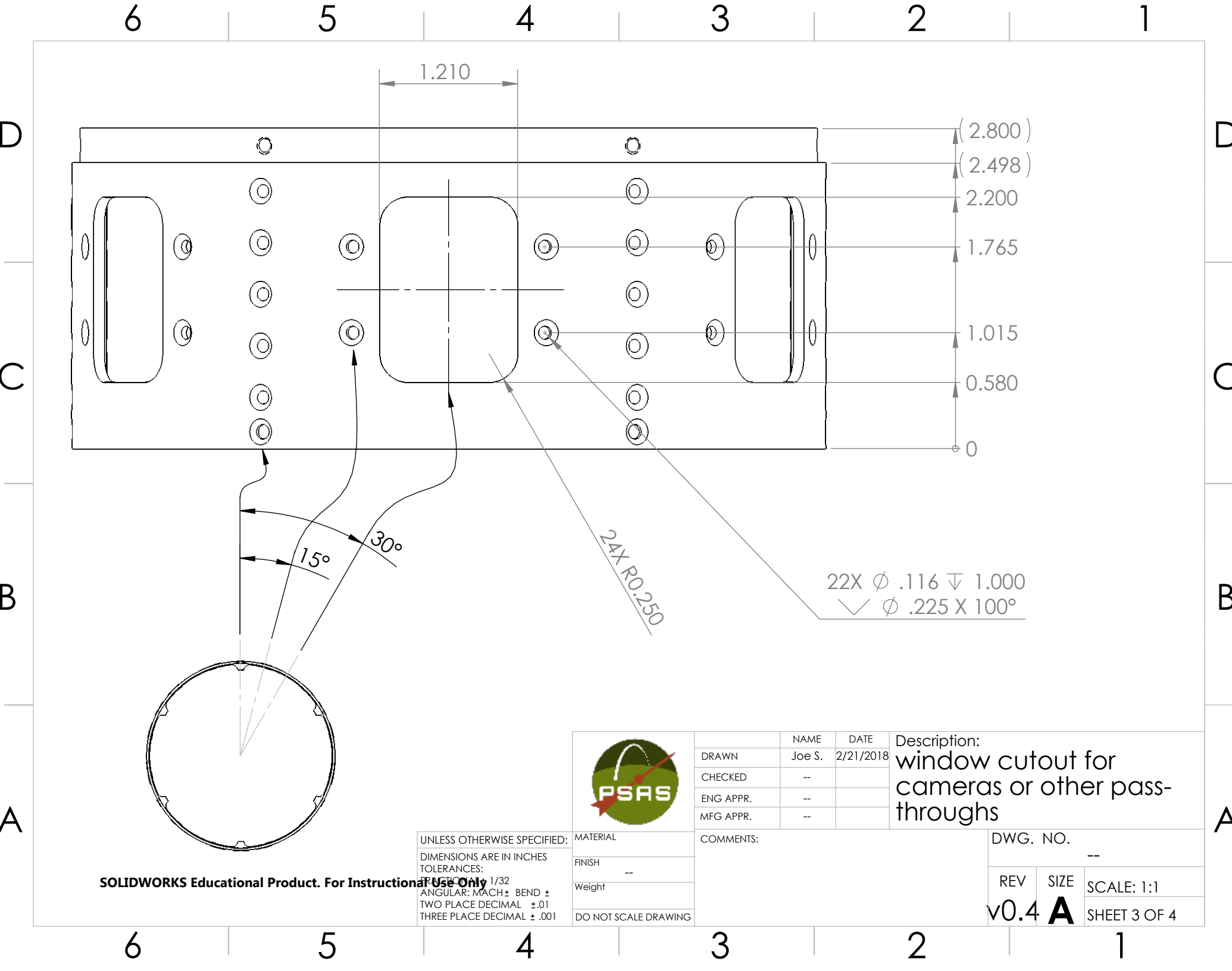
5

4

3

2

1



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FRACTIONS: 1/32  
ANGULAR: MACH  $\pm$  BEND  $\pm$   
TWO PLACE DECIMAL  $\pm$ .01  
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.	--	

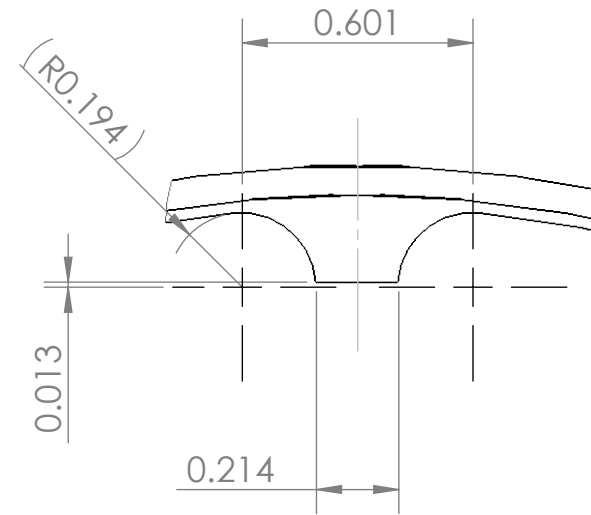
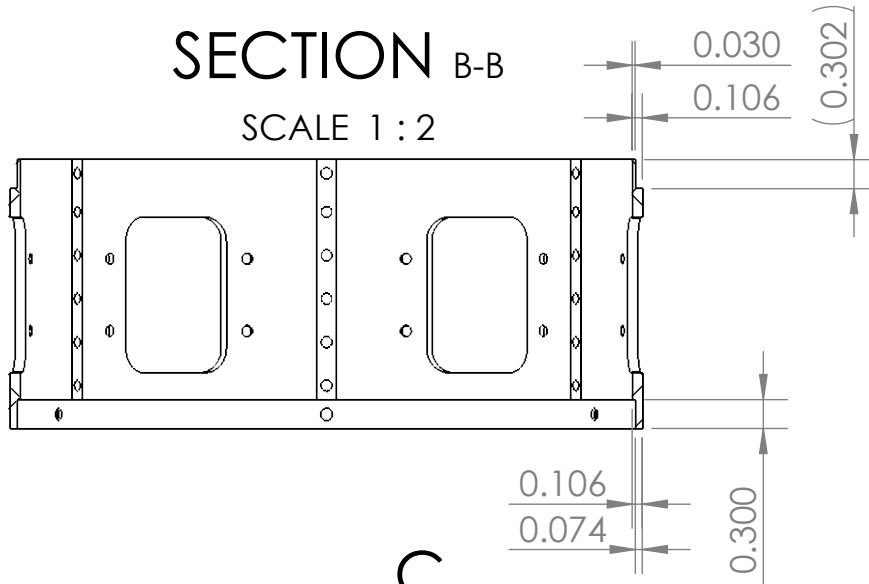
COMMENTS:

Description:  
window cutout for  
cameras or other pass-  
throughs

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

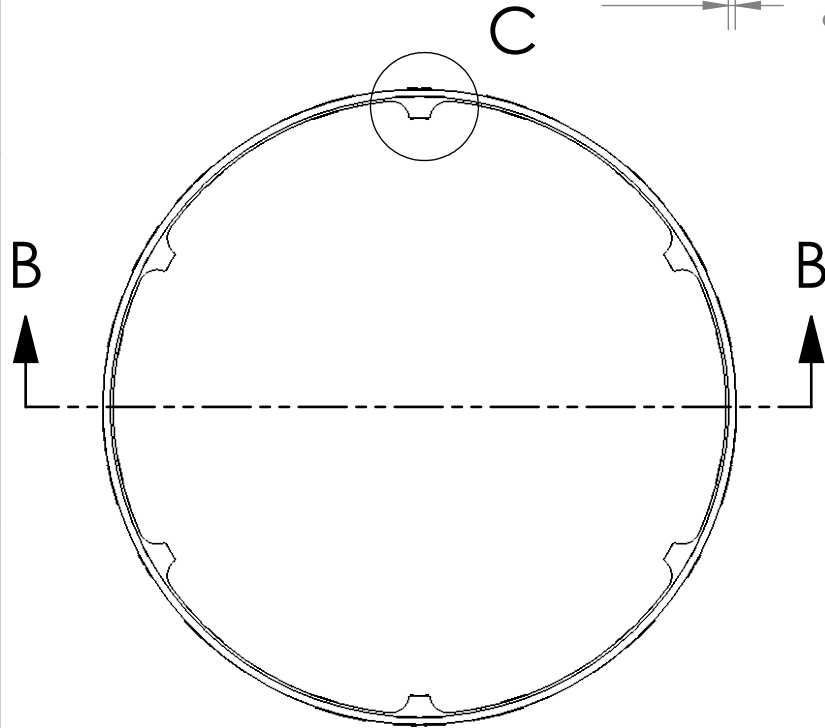
# SECTION B-B

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

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