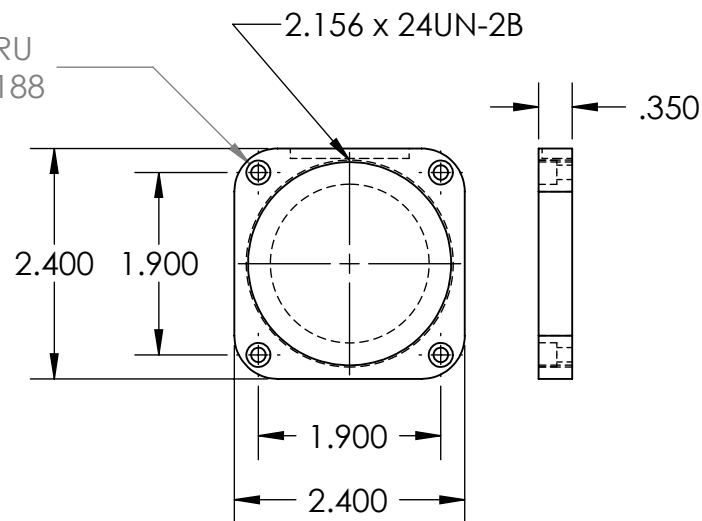


NOTE: OPTICAL PATH INCLUDES 2MM AR COATED CHAMBER WINDOW AND 0.7MM CCD COVER GLASS

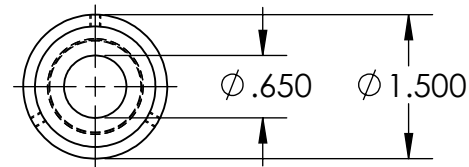
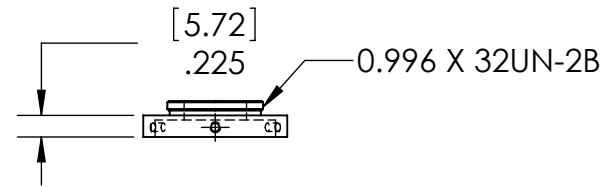
	UNLESS OTHERWISE SPECIFIED:	NAME	DATE	<b>Quantum Scientific Imaging, Inc.</b> TITLE: 500 & 600 SERIES CUSTOMER REFERENCE
	DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL ± N/A ANGULAR: MACH ± 0° 30' TWO PLACE DECIMAL ± 0.01 THREE PLACE DECIMAL ± 0.005	DRAWN	D. CHALLIS	
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	MATERIAL	MFG APPR.		
	FINISH	Q.A. COMMENTS:	FILENAME: 500 Series Customer Reference	

**WSG MODEL**  
CONTROLLING DIMENSIONS IN INCHES  
[MM] SHOWN FOR REFERENCE

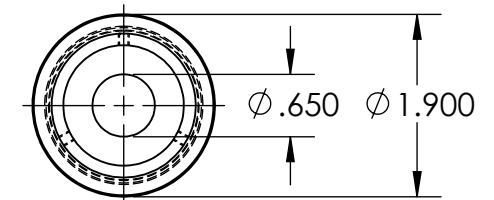
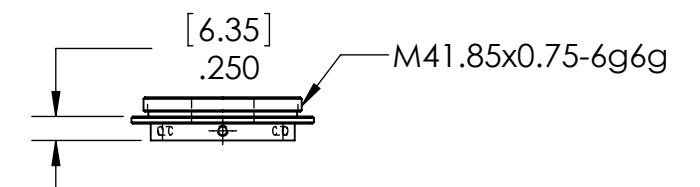
4X  $\phi$ .150 THRU  
 $\phi$ .250  $\nabla$ .188



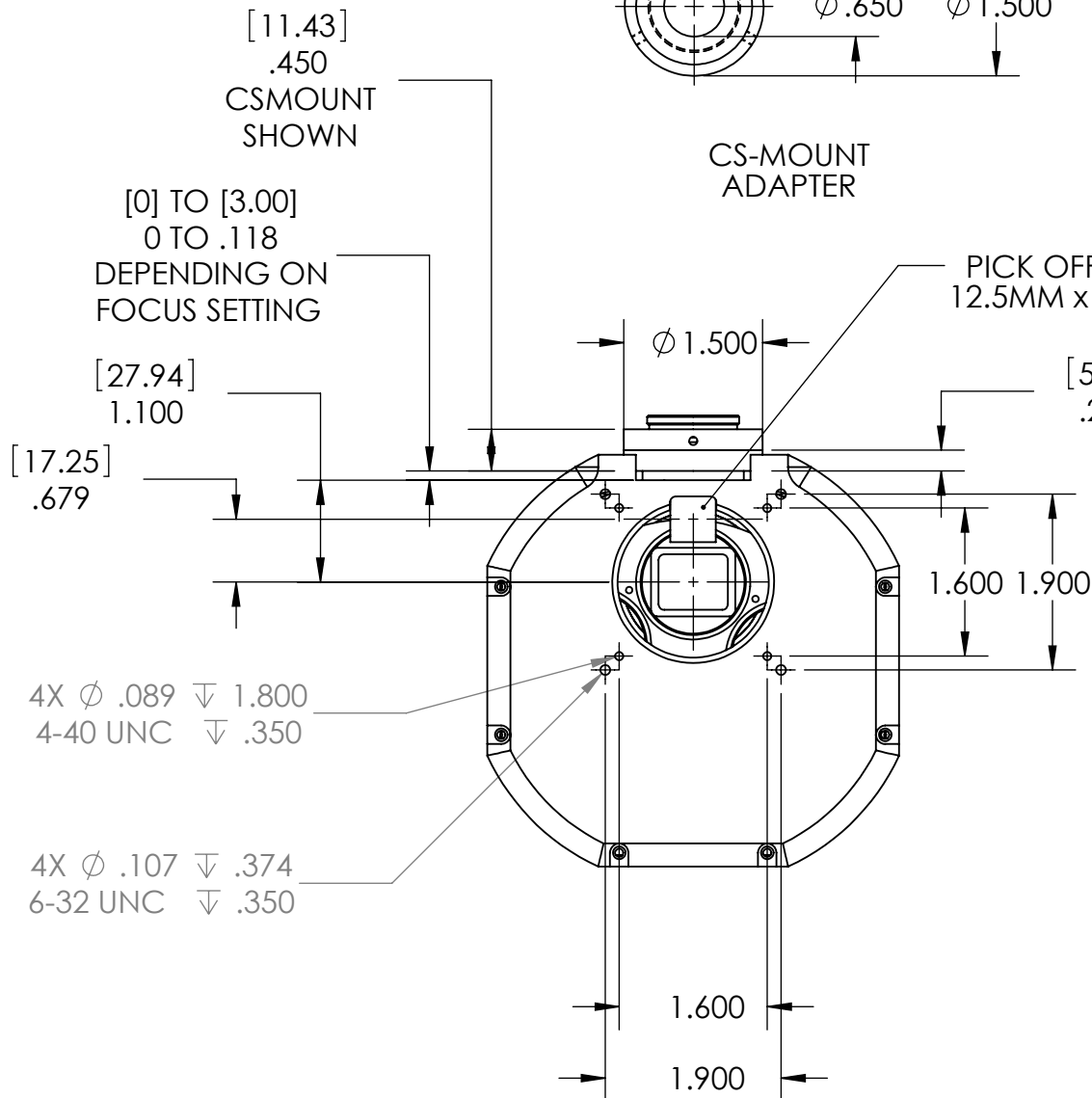
2.156 ADAPTER  
SEE SHEET 1  
FOR OTHER ADAPTERS



CS-MOUNT  
ADAPTER



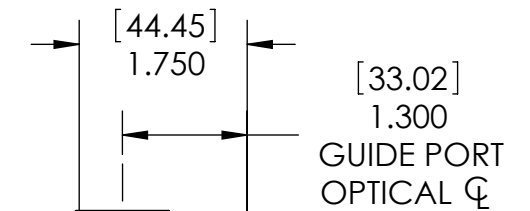
T-MOUNT  
ADAPTER



PICK OFF PRISM  
12.5MM x 12.5MM

[17.53]  
.690  
FILTER SEAT

[20.70]  
.815  
TOP OF WHEEL  
(FILTER MAY EXCEED THIS HEIGHT)



[33.02]  
1.300  
GUIDE PORT  
OPTICAL  $\phi$

THIRD ANGLE PROJECTION



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DIMENSIONS ARE IN INCHES  
TOLERANCES:  
FRACTIONAL  $\pm$  N/A  
ANGULAR: MACH  $\pm$  0° 30'  
TWO PLACE DECIMAL  $\pm$  0.01  
THREE PLACE DECIMAL  $\pm$  0.005

INTERPRET GEOMETRIC  
TOLERANCING PER: ASME Y14.5M

MATERIAL

FINISH

	NAME	DATE
DRAWN	D. CHALLIS	
CHECKED		
ENGINEER		
MFG APPR.		
Q.A.		
COMMENTS:		

FILENAME: 500 Series Customer Reference

**Quantum Scientific Imaging, Inc.**

TITLE:  
500 & 600 SERIES CUSTOMER  
REFERENCE

SIZE <b>B</b>	DWG. NO. D05000600	REV <b>H3</b>
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SCALE: 1:2 WEIGHT: SHEET 2 OF 6

31MM FILTER RETAINING SCREW  
5X  $\phi$  .070 THRU ALL  
2-56 UNC THRU ALL

$\phi$  3.500

5X  $\phi$  1.235

5X  
 $\checkmark$   $\phi$  1.139 X 90°  
THREAD  
1.1088 MIN PITCH  $\phi$   
1.1310 MAX PITCH  $\phi$   
42 TPI

31MM  
5MM THICK  
FILTERS

31MM  
3MM THICK  
FILTERS

2-56 x 5/16  
BUTTON SOCKET

2-56 x 1/4  
BUTTON SOCKET

FLAT WASHER

FLAT WASHER

SHOULDER WASHER

NYLON WASHER

NYLON WASHER

.125 FILTER SEAT DEPTH

$\phi$  4.800

8X  $\phi$  1.242

8X  $\phi$  .070 THRU ALL  
2-56 UNC THRU ALL

8X  
 $\checkmark$   $\phi$  1.139 X 90°  
THREAD  
1.1088 MIN PITCH  $\phi$   
1.1310 MAX PITCH  $\phi$   
42 TPI

**5 POSITION AND 8 POSITION  
FILTER WHEELS**

.125

**THIRD ANGLE PROJECTION**



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TWO PLACE DECIMAL  $\pm$  0.01  
THREE PLACE DECIMAL  $\pm$  0.005

INTERPRET GEOMETRIC  
TOLERANCING PER: ASME Y14.5M

MATERIAL

FINISH

	NAME	DATE
DRAWN	D. CHALLIS	
CHECKED		
ENGINEER	N. Barry	
MFG APPR.		
Q.A.		
COMMENTS:		

FILENAME: 500 Series Customer  
Reference

**Quantum Scientific Imaging, Inc.**

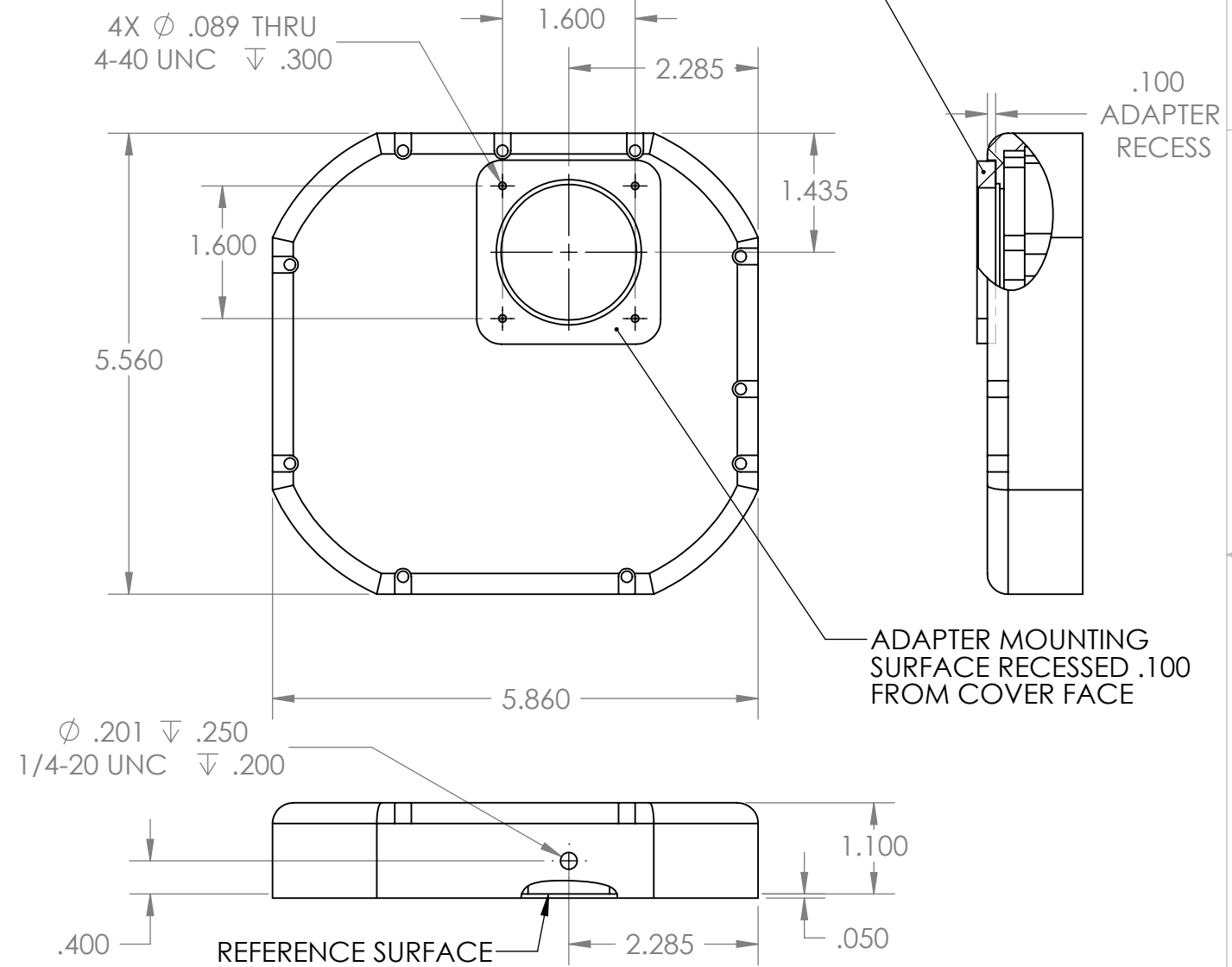
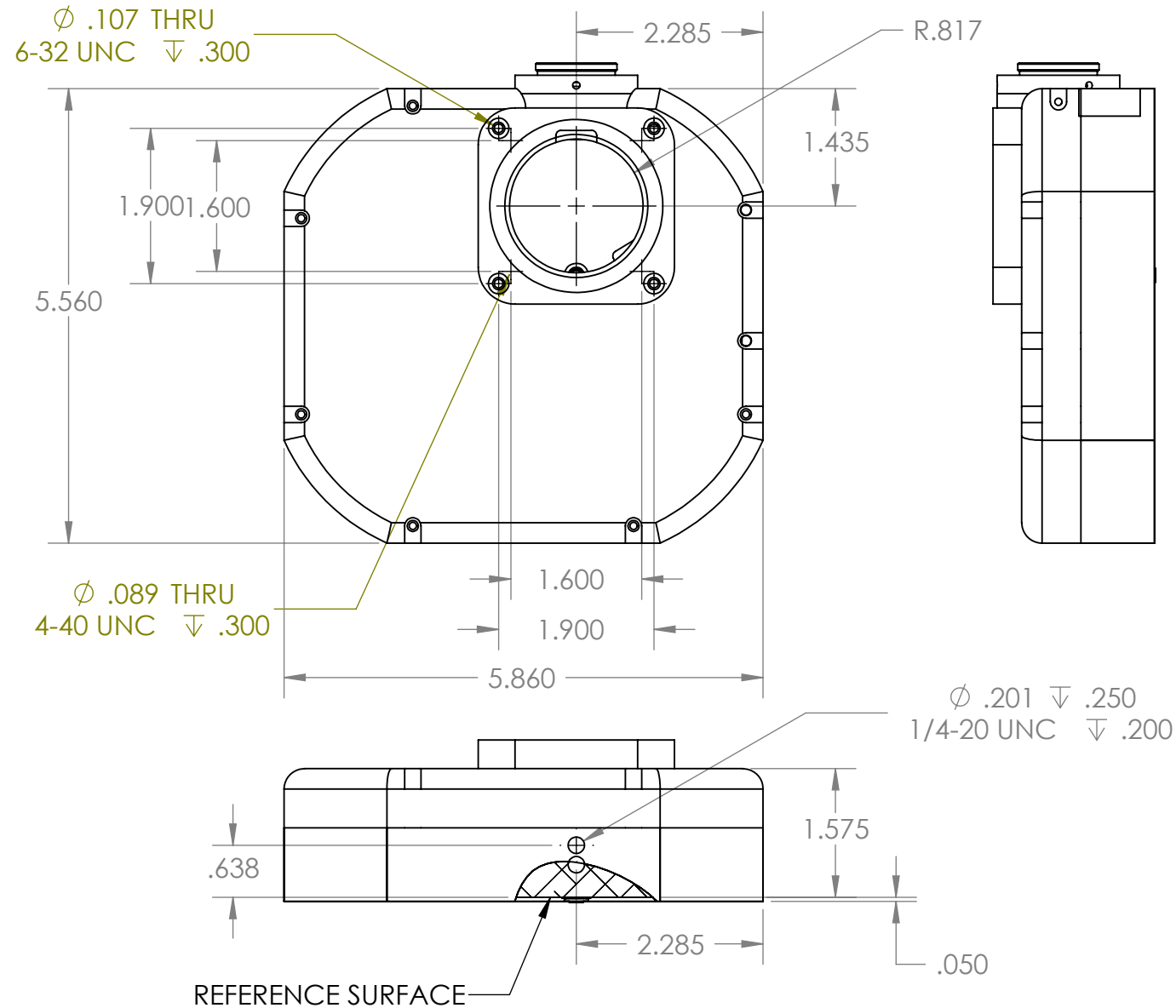
TITLE:  
500 & 600 SERIES CUSTOMER  
REFERENCE

SIZE <b>B</b>	DWG. NO. D05000600	REV <b>H3</b>
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SCALE: 1:1	WEIGHT:	SHEET 3 OF 6
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**WSG COVER 8 POSITION WHEEL**

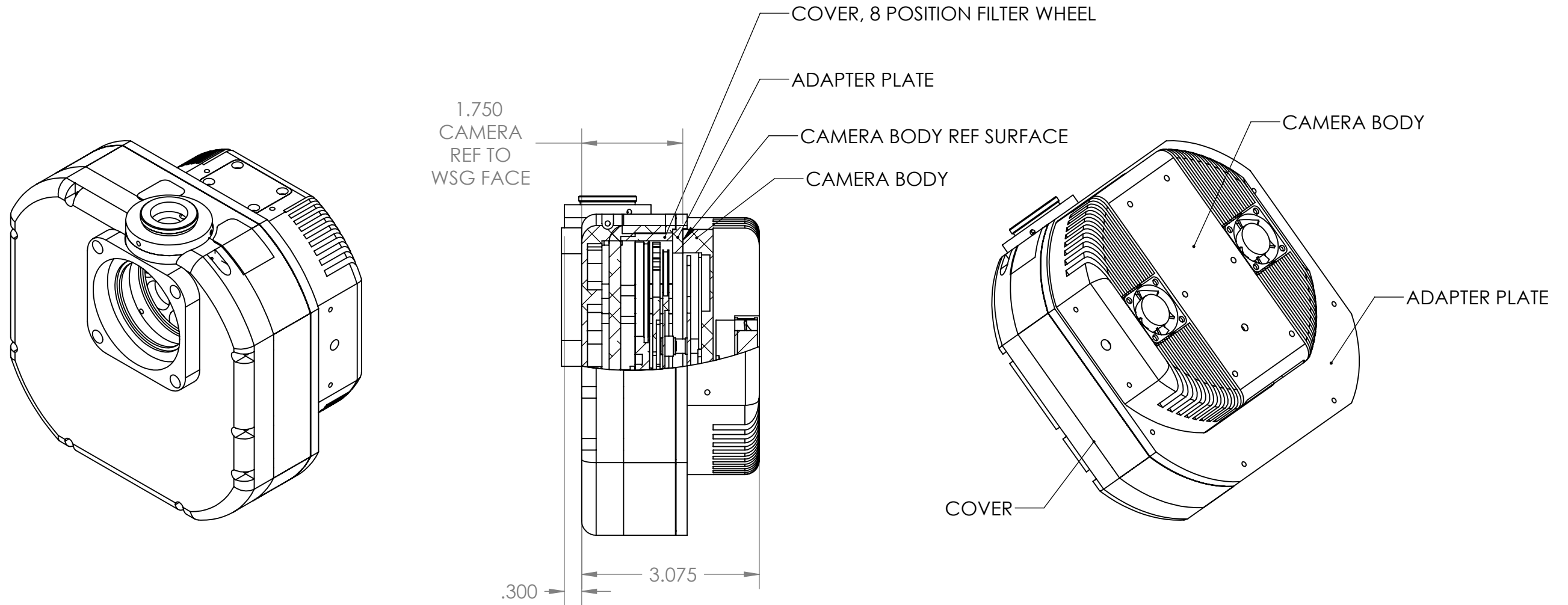
**WS COVER 8 POSITION WHEEL**



SEE SHEET 5 FOR ASSEMBLY DETAILS

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	DIMENSIONS ARE IN INCHES TOLERANCES: FRACTIONAL $\pm$ N/A ANGULAR: MACH $\pm$ 0° 30' TWO PLACE DECIMAL $\pm$ 0.01 THREE PLACE DECIMAL $\pm$ 0.005	DRAWN	D. CHALLIS		TITLE:	
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	MATERIAL	ENGINEER				
	FINISH	Q.A.				
		COMMENTS:		SIZE		
		FILENAME: 500 Series Customer Reference		DWG. NO.	REV	
				<b>B</b>	D05000600	<b>H3</b>
				SCALE: 1:2	WEIGHT:	SHEET 4 OF 6

**CAMERA / 8 POSITION FILTER WHEEL COVER INTERFACE**



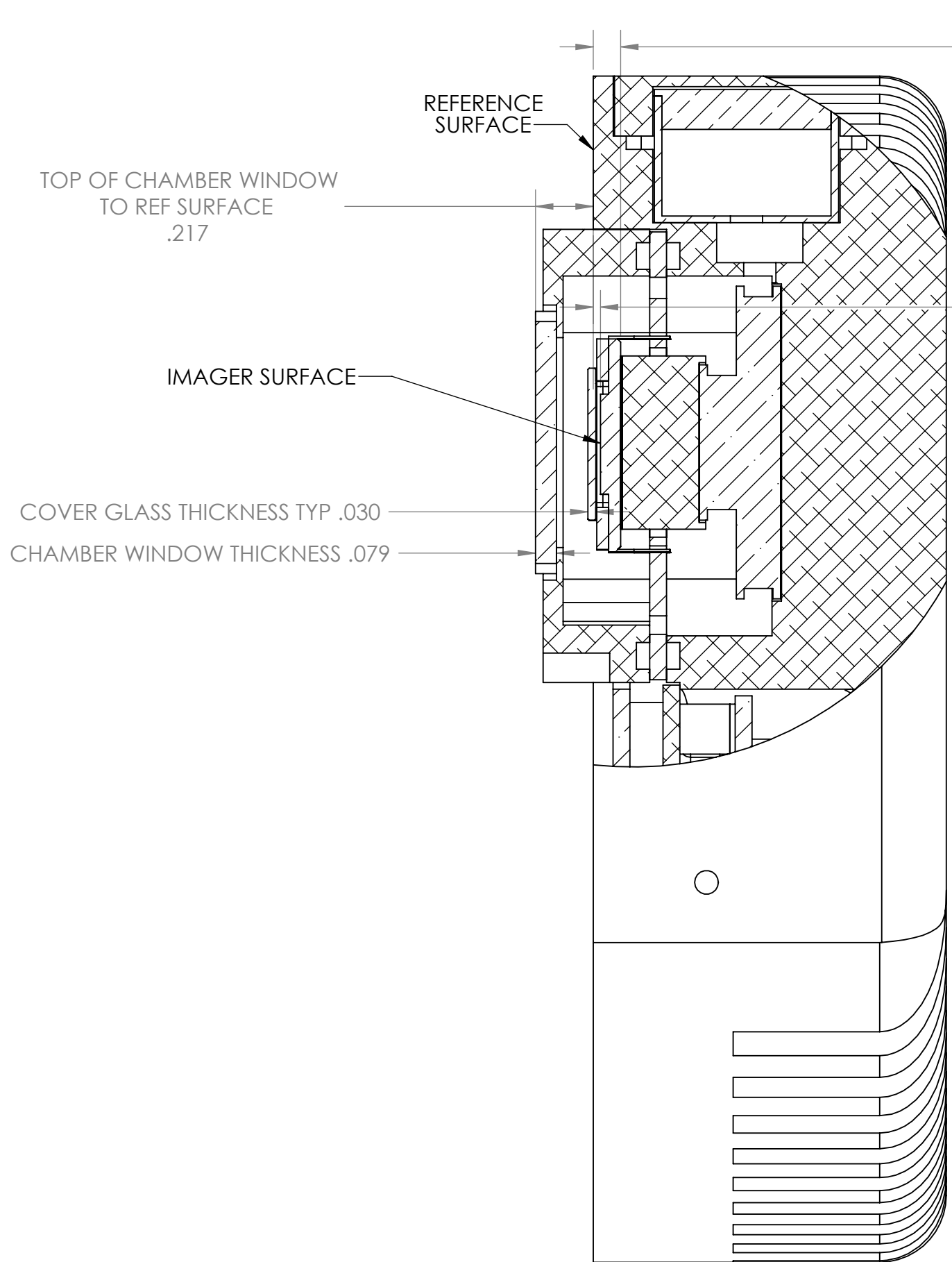
D  
C  
B  
A

D  
C  
B  
A

<p><b>THIRD ANGLE PROJECTION</b></p>	<p>UNLESS OTHERWISE SPECIFIED:</p> <p>DIMENSIONS ARE IN INCHES</p> <p>TOLERANCES:</p> <p>FRACTIONAL ± N/A</p> <p>ANGULAR: MACH ± 0° 30'</p> <p>TWO PLACE DECIMAL ± 0.01</p> <p>THREE PLACE DECIMAL ± 0.005</p>	<table border="1"> <tr> <th>NAME</th> <th>DATE</th> </tr> <tr> <td>D. CHALLIS</td> <td></td> </tr> </table>	NAME	DATE	D. CHALLIS		<p><b>Quantum Scientific Imaging, Inc.</b></p>								
	NAME	DATE													
D. CHALLIS															
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DRAWN															
CHECKED															
ENGINEER															
MFG APPR.															
Q.A.															
COMMENTS:															
		<table border="1"> <tr> <td>SIZE</td> <td>DWG. NO.</td> <td>REV</td> </tr> <tr> <td><b>B</b></td> <td>D05000600</td> <td><b>H3</b></td> </tr> </table>	SIZE	DWG. NO.	REV	<b>B</b>	D05000600	<b>H3</b>							
SIZE	DWG. NO.	REV													
<b>B</b>	D05000600	<b>H3</b>													
		<p>FILENAME: 500 Series Customer Reference</p>	<table border="1"> <tr> <td>SCALE: 1:2</td> <td>WEIGHT:</td> <td>SHEET 5 OF 6</td> </tr> </table>	SCALE: 1:2	WEIGHT:	SHEET 5 OF 6									
SCALE: 1:2	WEIGHT:	SHEET 5 OF 6													

8 7 6 5 4 3 2 1

D  
C  
B  
A



TOP OF TEC STACK  
TO REF SURFACE  
.103

CCD IMAGER SURFACE  
TO BODY REFERENCE SURFACE ±.015

632/532 .023  
616/516 .023  
604/504 .038  
620/520 .030  
640/540 .038  
683/583 .042  
6120/690/660/628 .041

ALL MODELS  
MAIN BODY  
SIDE VIEW  
SCALE 2:1

D  
C  
B  
A

8 7 6 5 4 3 2 1

<p>THIRD ANGLE PROJECTION</p>	UNLESS OTHERWISE SPECIFIED:	NAME	DATE	<p><b>Quantum Scientific Imaging, Inc.</b></p>		
	<p>DIMENSIONS ARE IN INCHES</p> <p>TOLERANCES:</p> <p>FRACTIONAL ± N/A</p> <p>ANGULAR: MACH ± 0° 30'</p> <p>TWO PLACE DECIMAL ±0.01</p> <p>THREE PLACE DECIMAL ±0.005</p>	DRAWN	D. CHALLIS		TITLE:	
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	MATERIAL	ENGINEER				
	FINISH	MFG APPR.				
		Q.A.		SIZE	DWG. NO.	REV
		COMMENTS:		<b>B</b>	D05000600	<b>H3</b>
		FILENAME: 500 Series Customer Reference		SCALE: 1:2	WEIGHT:	SHEET 6 OF 6