

8 x \varnothing 0.14 ∇ 0.50
8-32 THREADED

0.0625
(1/16)

BOTH TOP & BOTTOM

3/64 ∇

\varnothing 0.3125 THRU
(5/16)

2.125

R0.75
 ∇ THRU

1.50

0.625

0.625
(5/8)

TRUE R0.125

**MATING SURFACE
MUST BE FLAT
(BOTH SIDES)**

.1875 ∇
(3/16)

SCALE 1:2

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED

2 x \varnothing 1.14 ∇ 1.10
1 NPT
THREADED THRU

2.50

4 x \varnothing 0.14 ∇ 0.15
8-32 THREADED

2.00

\varnothing 1.879

\varnothing 1.739

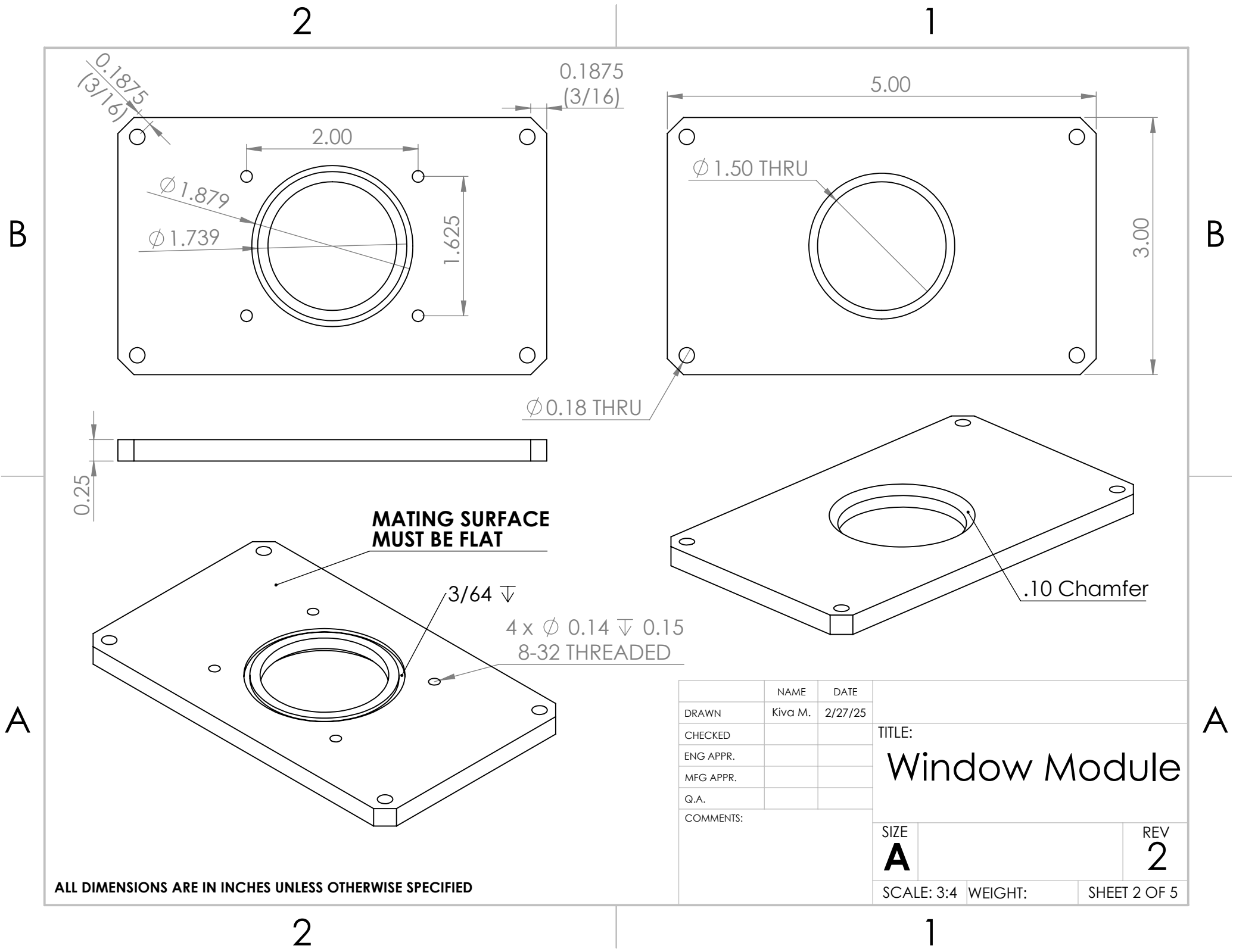
1.625

2.00

3/64 ∇

5.00

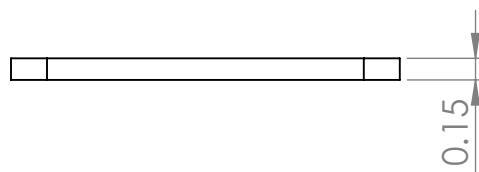
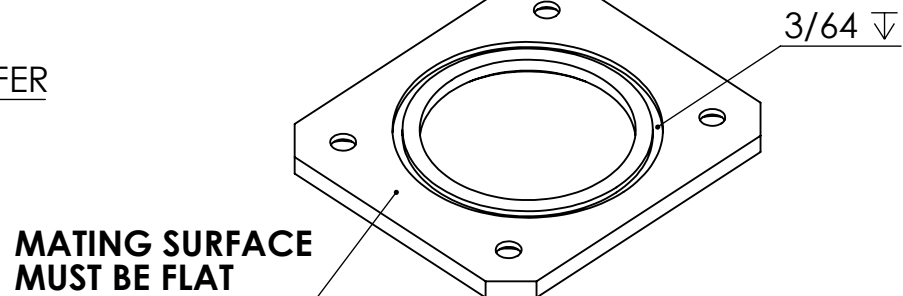
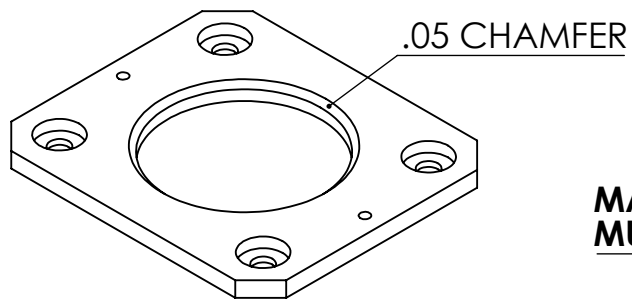
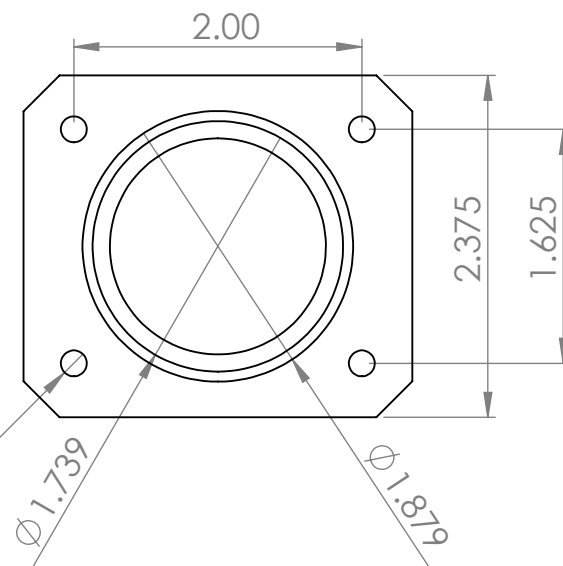
	NAME	DATE	TITLE: Central Chamber	
DRAWN	Kiva M.	2/27/25		
CHECKED				
ENG APPR.				
MFG APPR.				
Q.A.				
COMMENTS:			SIZE A	REV 2
			SCALE: 3:4	WEIGHT:
			SHEET 1 OF 5	



ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED

	NAME	DATE	TITLE: Window Module				
DRAWN	Kiva M.	2/27/25					
CHECKED							
ENG APPR.							
MFG APPR.							
Q.A.			REV 2				
COMMENTS:							
			SIZE A				
			SCALE: 3:4	WEIGHT:		SHEET 2 OF 5	

1



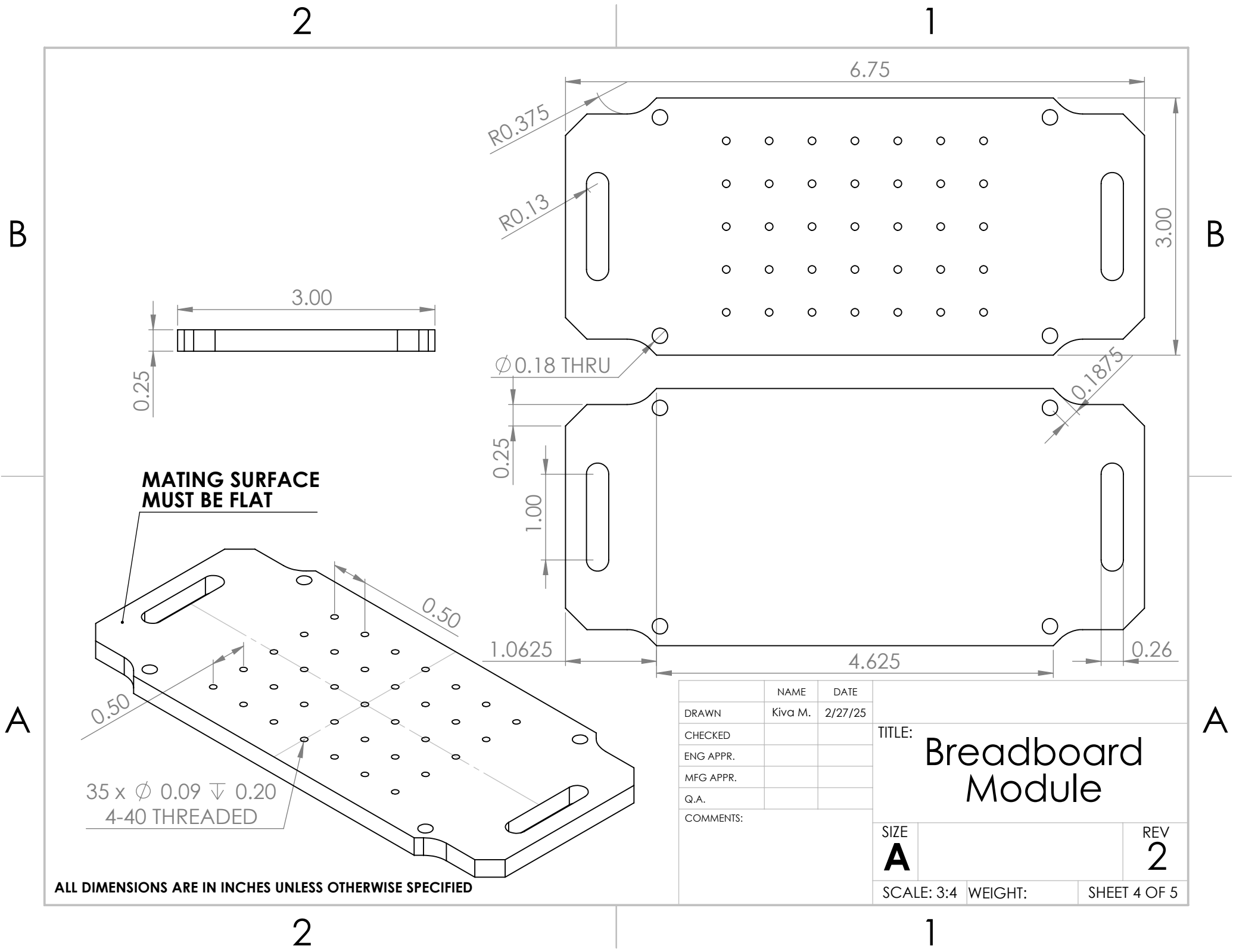
**MATING SURFACE
MUST BE FLAT**

	NAME	DATE	<div>TITLE: <h1>Window Frame</h1></div> <div><div>SIZE A</div><div>REV 1</div></div> <div>SCALE: 3:4</div> <div>WEIGHT:</div> <div>SHEET 3 OF 5</div>		
DRAWN	Kiva M.	2/26/25			
CHECKED					
ENG APPR.					
MFG APPR.					
Q.A.					
COMMENTS:					

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED

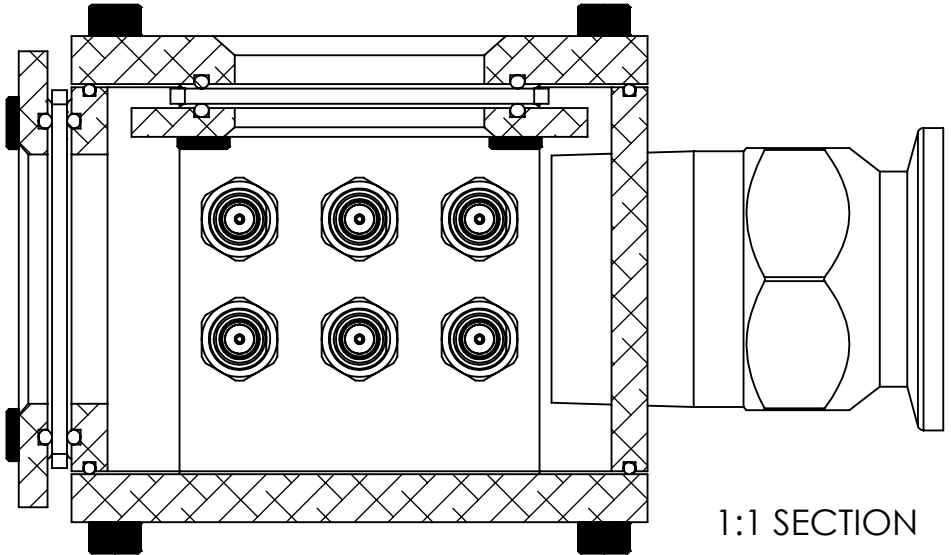
2

1



2

B



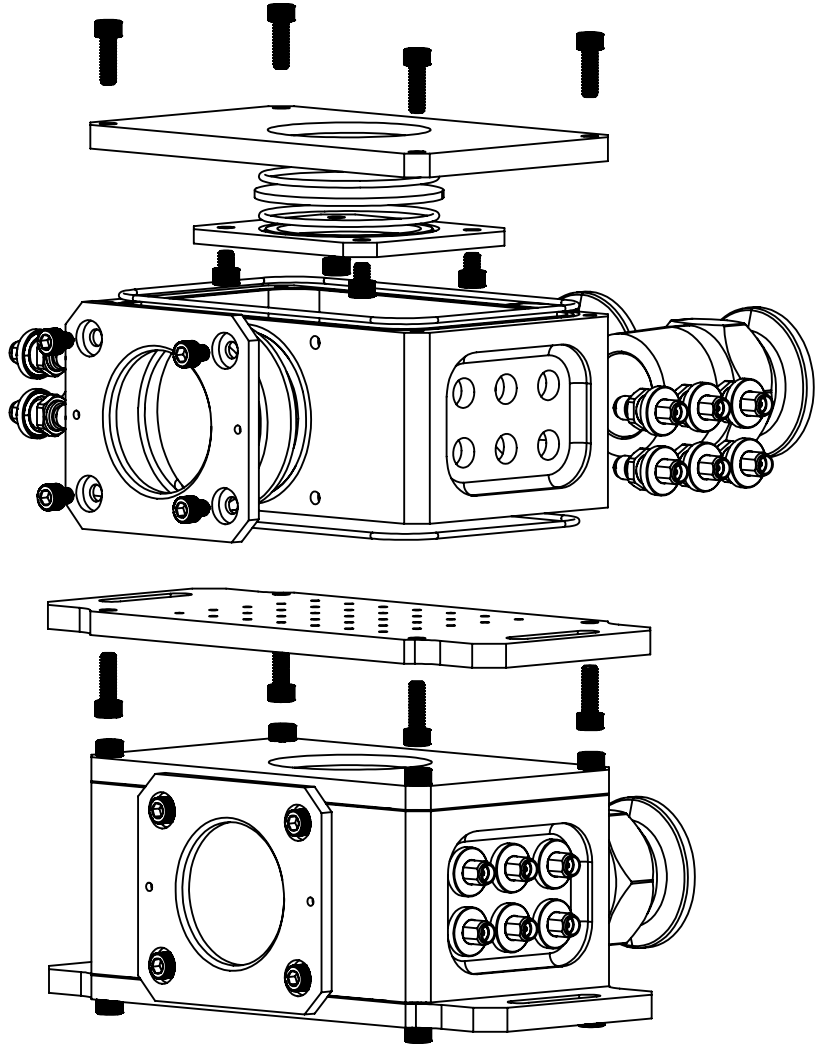
1:1 SECTION

PART NUMBER	DESCRIPTION	QTY.
CentralChamber	Main Chamber Body	1
9464K311	Viton O-Ring 1/16" Width, 1.879" OD, & 1.739 ID	4
P101605_1in-NPT-KF	KF Vacuum Flange	2
PE1358_BNC-Feedthrough_.3125in	Coaxial 5/16" Feedthrough	12
9464K461_PlateGasket	Viton O-Ring 1/16" Width, 4.379" OD, & 4.239 ID	2
BreadBoard Module	Bottom of Chamber has .5" Grid	1
WindowModule	Top of Chamber	1
edmund-36-946_Window_50x2mm	Fused Silica Window	2
WindowFrame	Clamps window & gasket	2
92196A189	8-32 3/16" Bolt	8
92196A194	8-32 1/2" Bolt	8

A

1

B



NAME	DATE
DRAWN Kiva M.	2/27/25
CHECKED	
ENG APPR.	
MFG APPR.	
Q.A.	
COMMENTS:	

TITLE:Chamber Overview

SIZEA

REV2

SCALE: 1:2WEIGHT:SHEET 5 OF 5

A

2

1