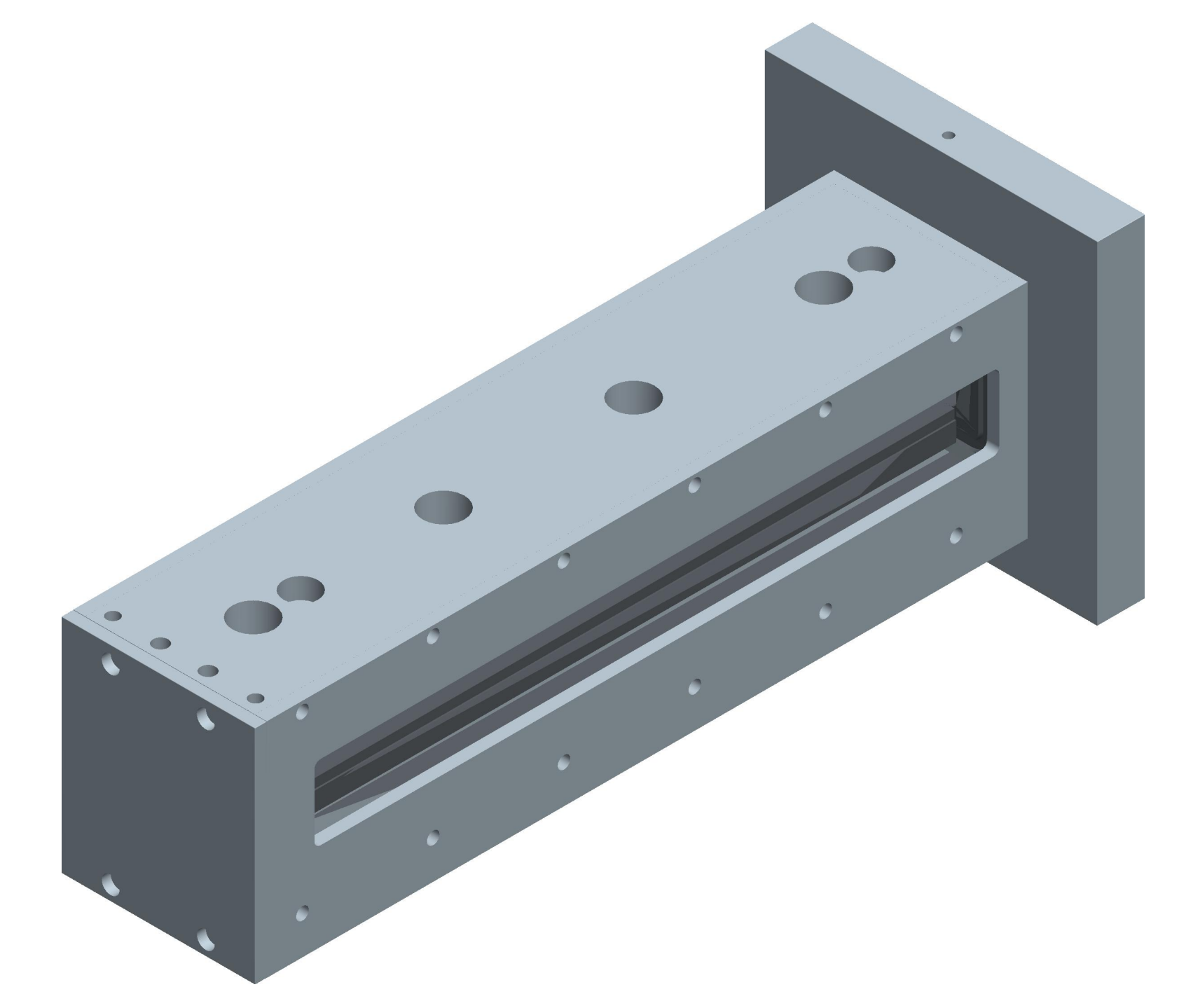
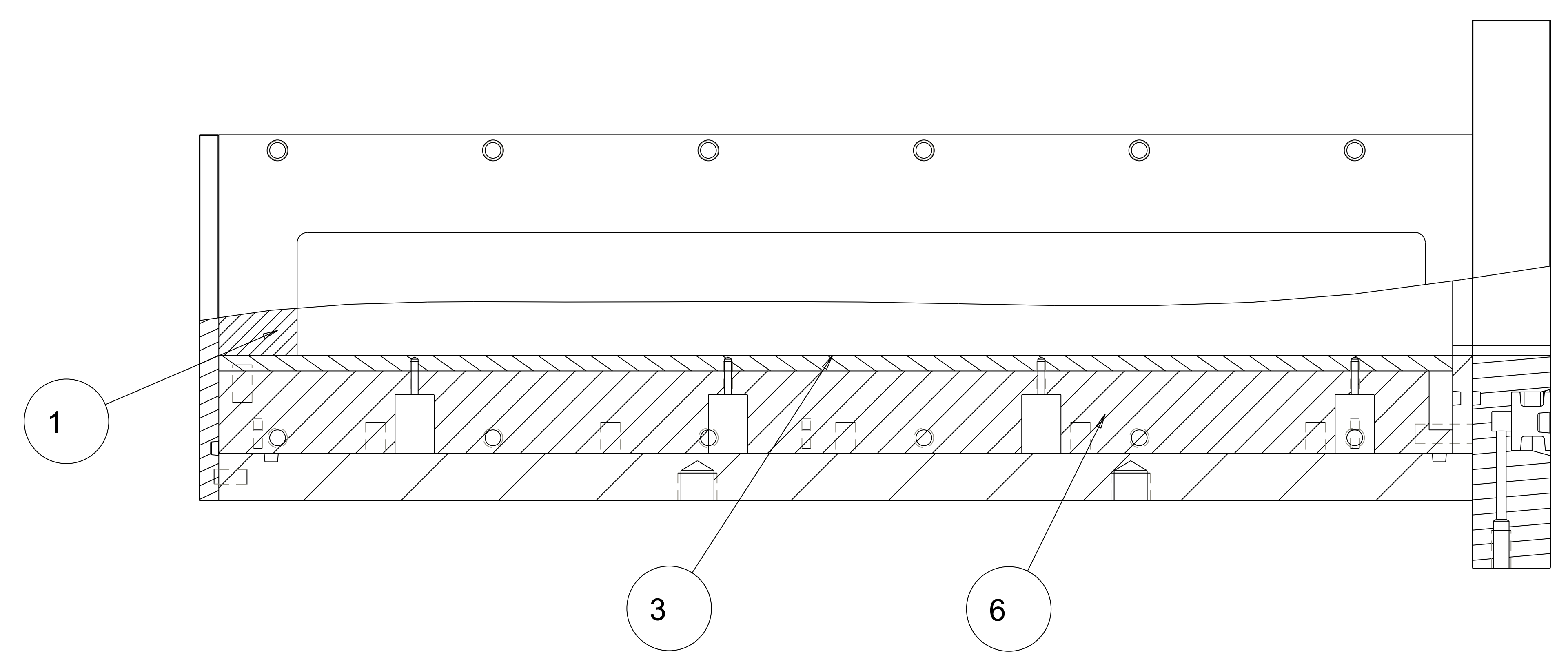


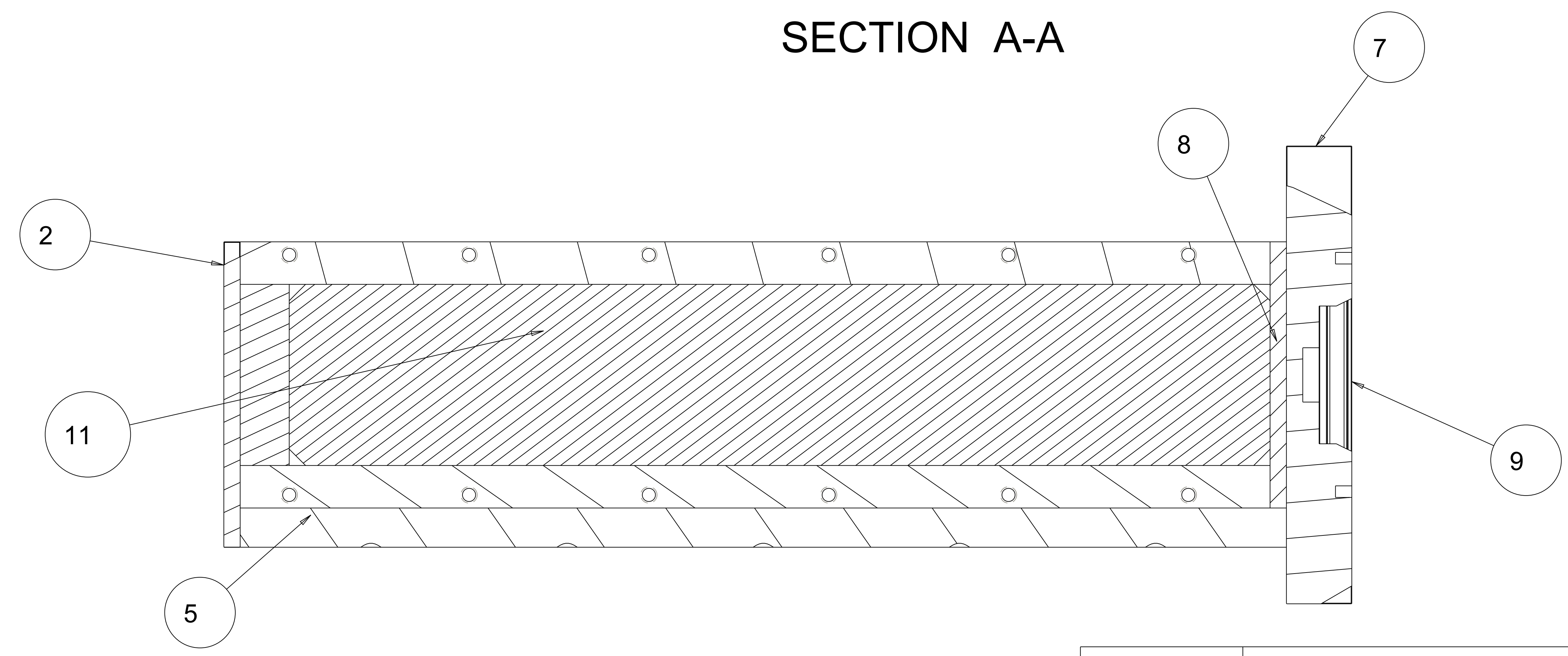
ITEM	NAME	MATERIAL	MANUFACTURE/PURCHASE	QTY
1	BACKPLATE	AL6061	MANUFACTURE	1
2	BACKPLATE_COVER	AL6061	MANUFACTURE	1
3	BLANK	AL6061	PURCHASE	1
4	BOTTOMPLATE	AL6061	MANUFACTURE	1
5	BOTTOMPLATE_COVER	AL6061	MANUFACTURE	1
6	BOTTOMPLATE_INSERT	AL6061	MANUFACTURE	1
7	SEALINGPLATE	AL6061	MANUFACTURE	1
8	SEALINGPLATE_COVER	AL6061	MANUFACTURE	1
9	SEALINGRING	DERLIN	MANUFACTURE	1
10	TOPPLATE	AL6061	MANUFACTURE	1
11	WINDOW	GLASS	PURCHASE	2
12	WINDOW_COVER	AL6061	MANUFACTURE	2
13	Socket HDCap Sc 10-24 1/2" LG 96006A646	18-8 SS	PURCHASED	4
14	SOCKET HEAD CP SC 1/4-20 0.5 LG 96006A703	18-8 SS	PURCHASED	24
15	Flat HD Sckt Cap Screw 1/4"-20 1" LG 93791A563	18-8 SS	PURCHASED	10
16	Flat HD Sckt CP SCREW 4-40 7/16" LG 92210A109	18-8 SS	PURCHASED	10
17	ORING FACE SEAL AS568A-338 9568K784	PTFE	PURCHASED	1
18	ORING FOR DYNAMIC SEAL AS568A-342 9558K345	Polyurethane	PURCHASED	1
19	Soc Hd Cap Screw 1/4"-20 1-1/4" Lg 96006A718	18-8 SS	PURCHASED	4
20	DOWELS 5/16" 1" LG 90145A583	18-8 SS	PURCHASED	2
21	Socket Hd Cap Screw 1/4"-20 1" Lg 96006A709	18-8 SS	PURCHASED	4
22	O-RING FOR DYNAMIC SEAL AS568A-333 9558K152	Polyurethane	PURCHASED	1



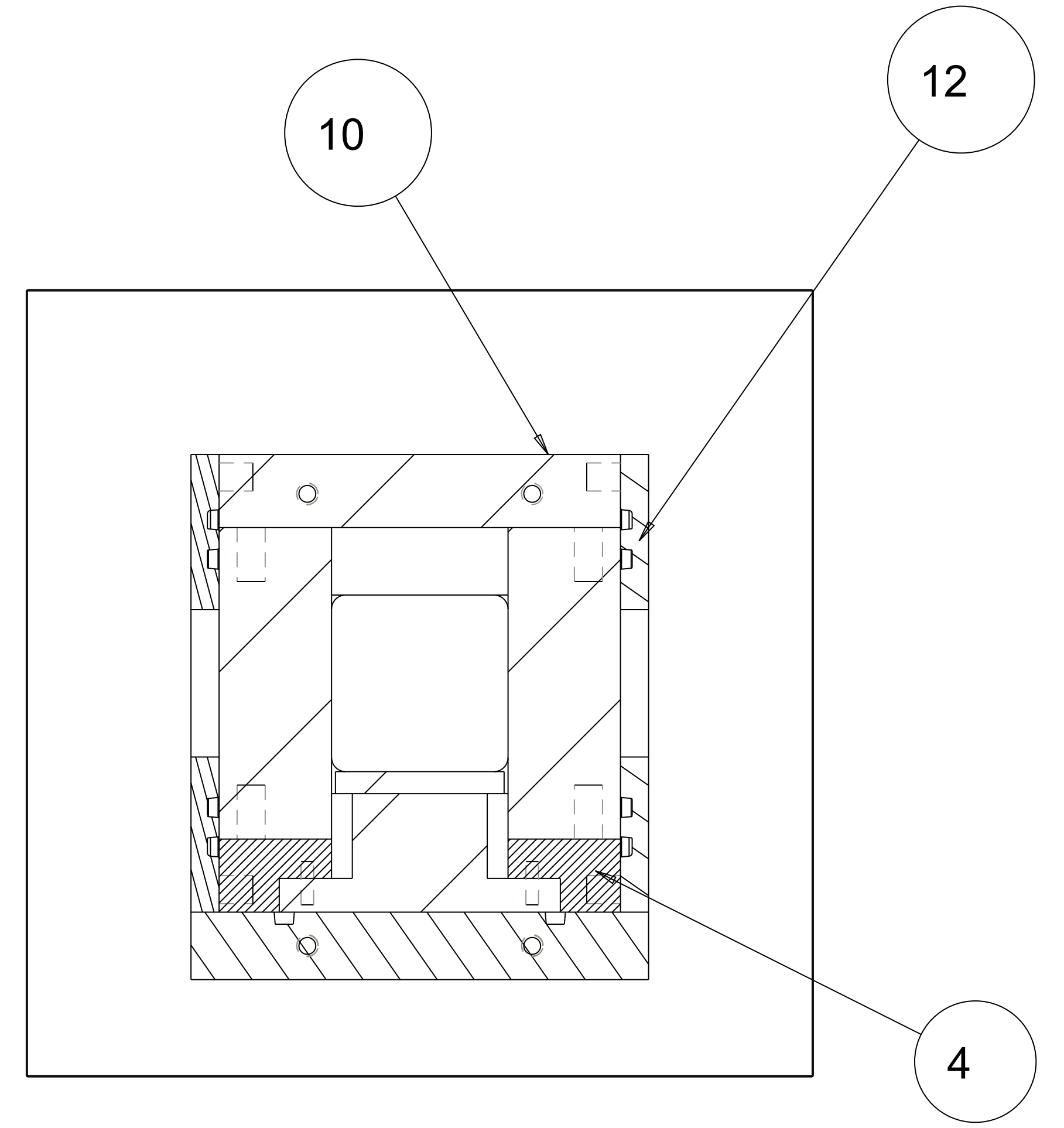
SCALE 0.500



SECTION A-A



SECTION B-B



SECTION C-C

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		COMBUSTION & PROPULSION LAB	
TOL ON ANGLE ± 1°	XX ± .03	XXX ± .010	XXXX ± .0001
REMOVE ALL BURRS AND SHARP EDGES R0.01 OR CHAMFER MAX		DRN BY	DATE
		CKD BY	DATE
		MATERIAL	
SIZE	DWG NO.	Rev	
E	TESTCELL_MODIFIEDDESIGN		
SCALE: 1:1000	PROJECTION:	SHEET: 1 of 1	

2 HOLES  $\phi$  .3760/.3670 THRU  
 7/16-14UNC-2B THRU  
 C'BORE  $\phi$  0.7188 .438 DEEP  
 AS SHOWN

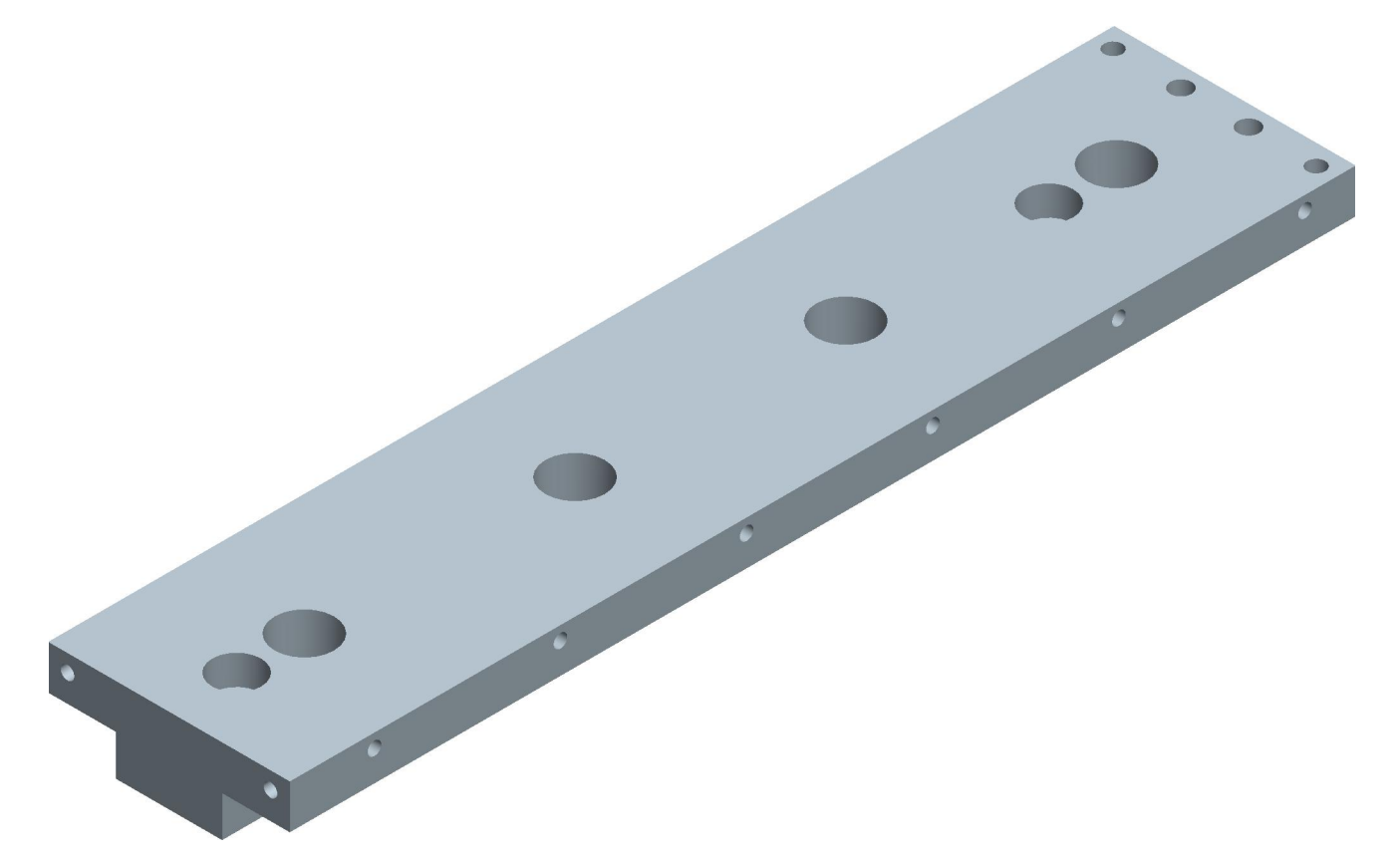
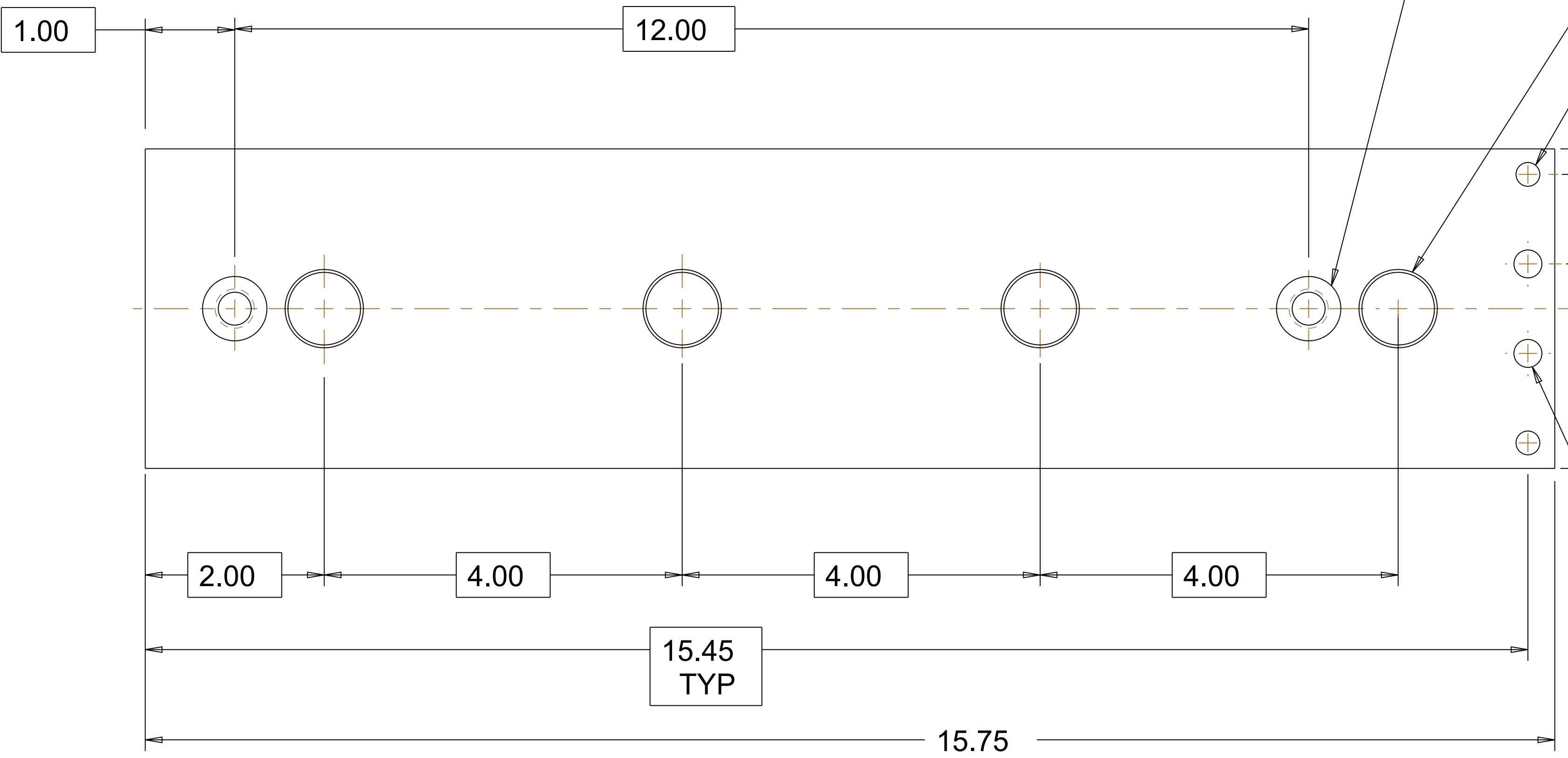
4 HOLES 1/2-14 NPT  
 AS SHOWN

2 HOLES  $\phi$  .2670/.2650 THRU  
 AS SHOWN

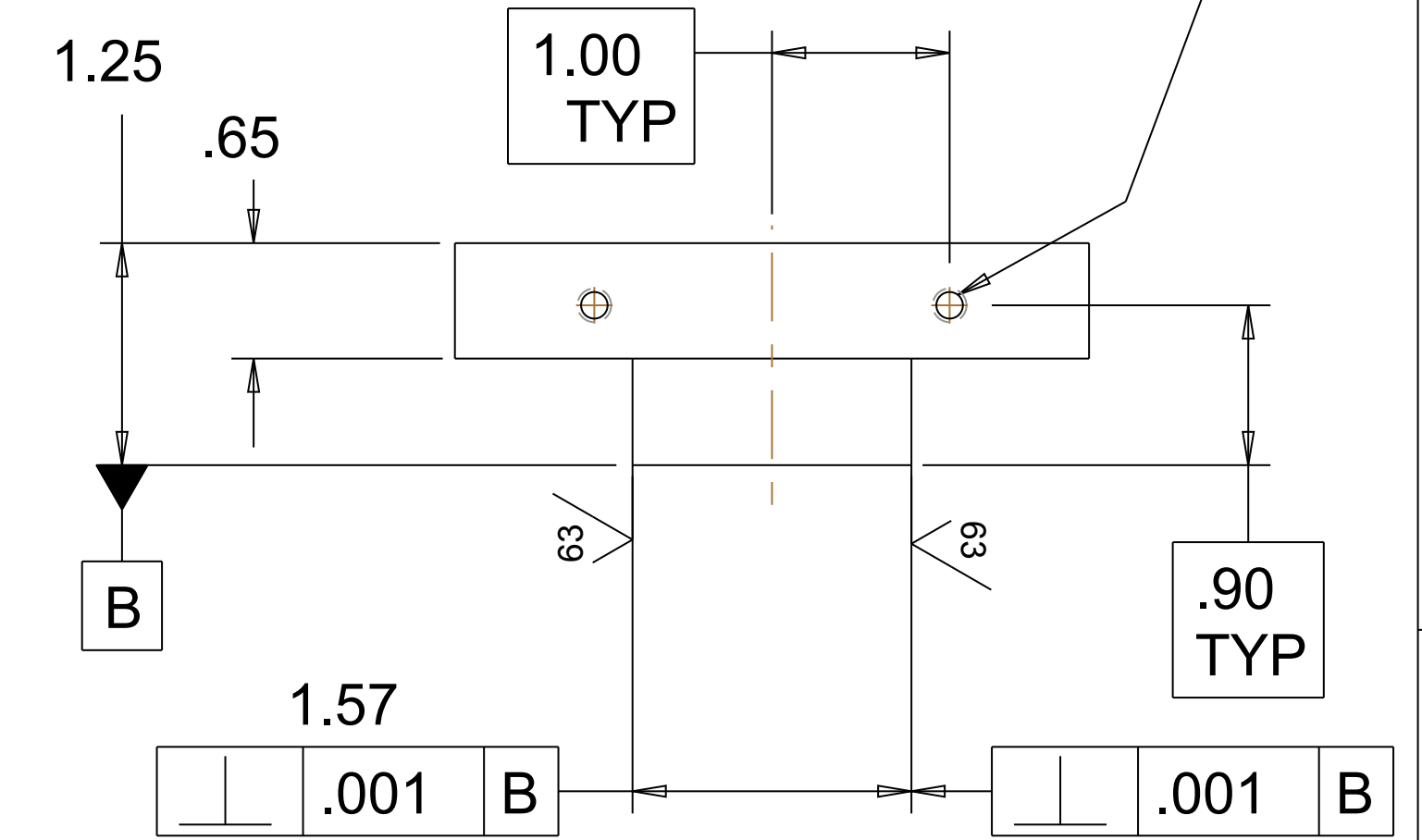
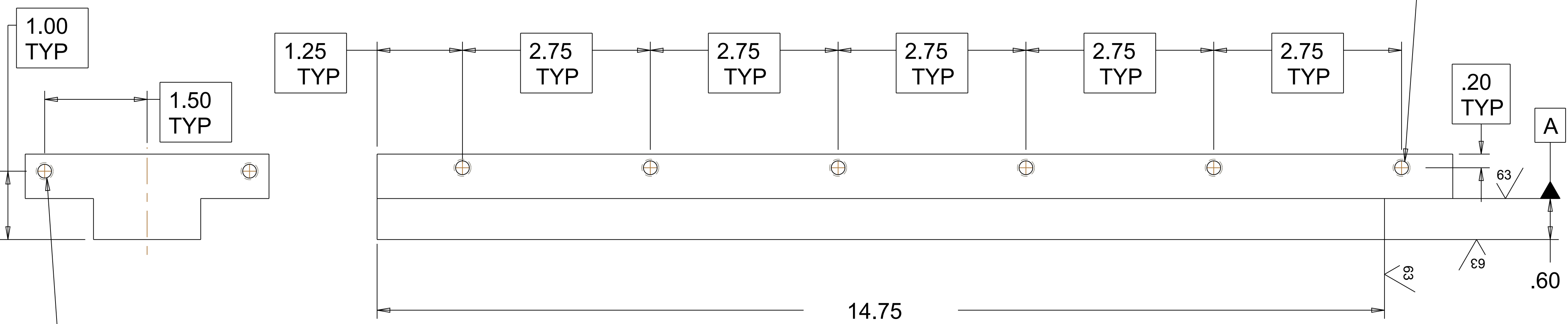
2 HOLES  
 $\phi$  .3125/.3120 THRU  
 AS SHOWN

12 HOLES  $\phi$  .2070/.1960  
 .6 DEEP 1/4-20UNC-2B  
 .48 DEEP AS SHOWN

2 HOLES  $\phi$  .1115/.1055  
 .32 DEEP 6-32UNC-2B  
 .26 DEEP AS SHOWN



SCALE 0.500

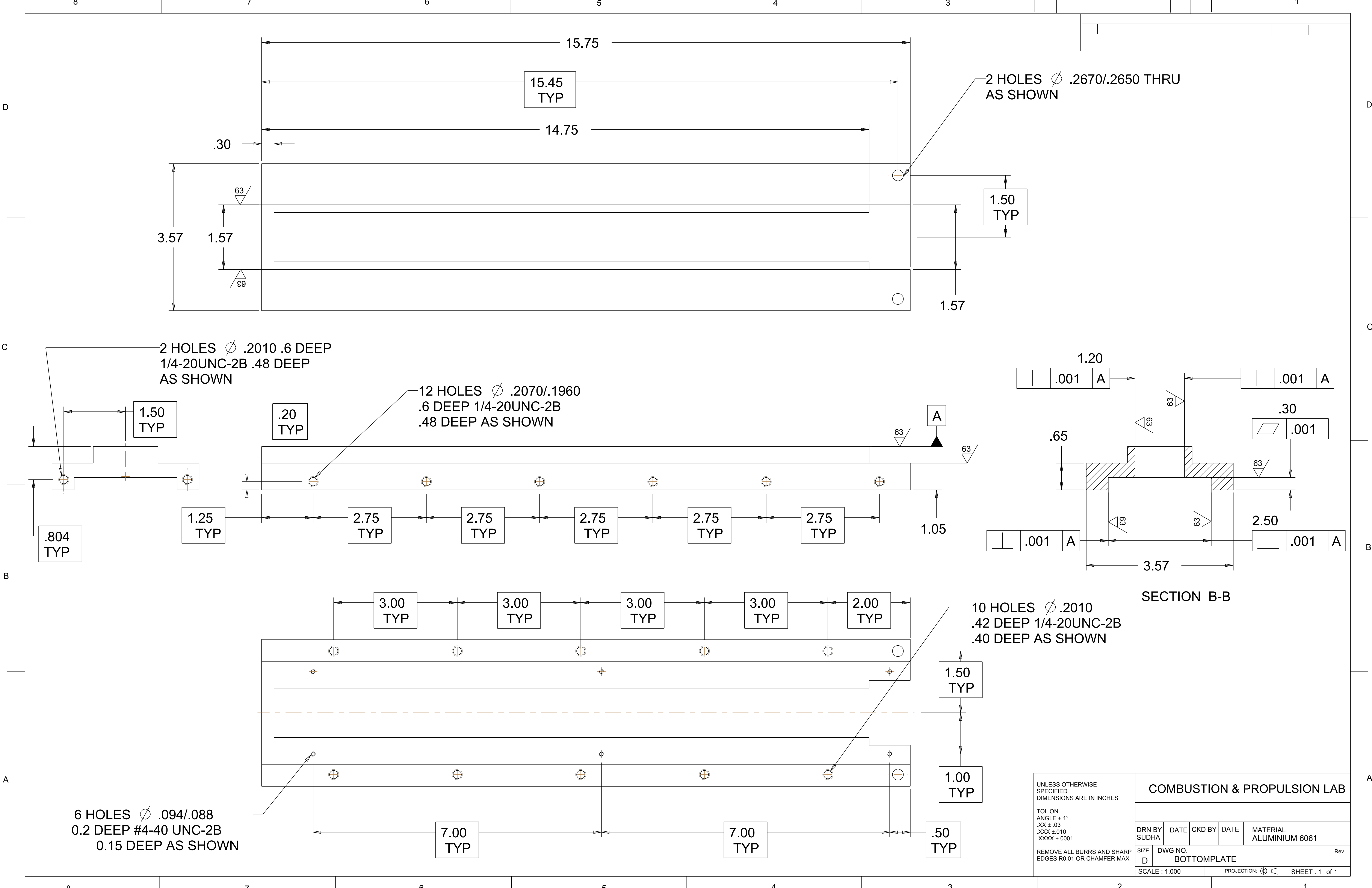


2 HOLES  $\phi$  .2010  
 .6 DEEP 1/4-20UNC-2B  
 .48 DEEP AS SHOWN

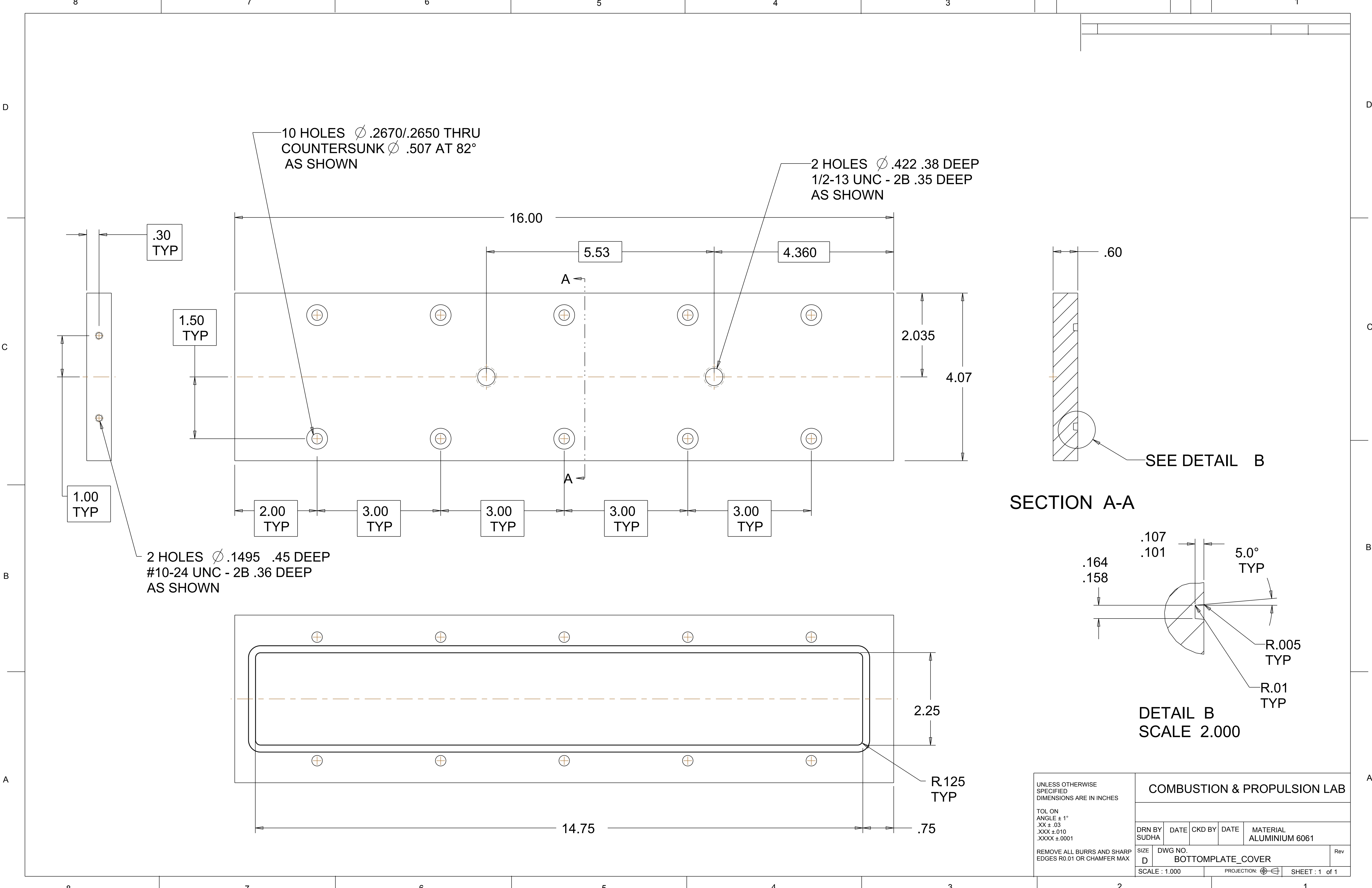
$\perp$  .001 A

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		COMBUSTION & PROPULSION LAB			
TOL ON ANGLE $\pm 1^\circ$ .XX $\pm .03$ .XXX $\pm .010$ .XXXX $\pm .0001$		DRN BY SUDHA	DATE	CKD BY	DATE
REMOVE ALL BURRS AND SHARP EDGES R0.01 OR CHAMFER MAX		SIZE D	DWG NO. TOPPLATE		Rev
SCALE : 1.000		PROJECTION:		SHEET : 1 of 1	





UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		COMBUSTION & PROPULSION LAB			
TOL ON ANGLE $\pm 1^\circ$ .XX $\pm .03$ .XXX $\pm .010$ .XXXX $\pm .0001$		DRN BY SUDHA	DATE	CKD BY	DATE
REMOVE ALL BURRS AND SHARP EDGES R0.01 OR CHAMFER MAX		MATERIAL ALUMINIUM 6061			Rev
SIZE D	DWG NO. BOTTOMPLATE				
SCALE : 1.000		PROJECTION:		SHEET : 1 of 1	



10 HOLES  $\phi$ .2670/.2650 THRU  
COUNTERSUNK  $\phi$ .507 AT 82°  
AS SHOWN

2 HOLES  $\phi$ .422 .38 DEEP  
1/2-13 UNC - 2B .35 DEEP  
AS SHOWN

.30  
TYP

1.50  
TYP

1.00  
TYP

2 HOLES  $\phi$ .1495 .45 DEEP  
#10-24 UNC - 2B .36 DEEP  
AS SHOWN

2.00  
TYP

3.00  
TYP

3.00  
TYP

3.00  
TYP

3.00  
TYP

2.035

4.07

16.00

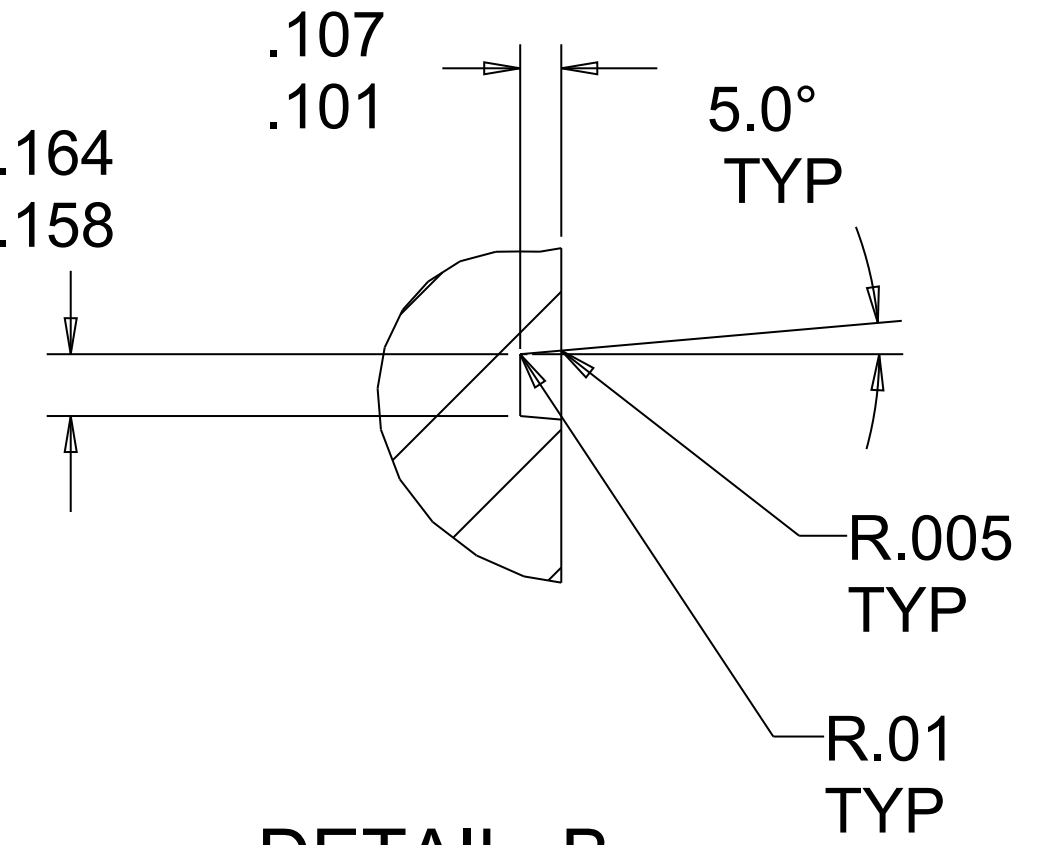
5.53

4.360

.60

SEE DETAIL B

SECTION A-A



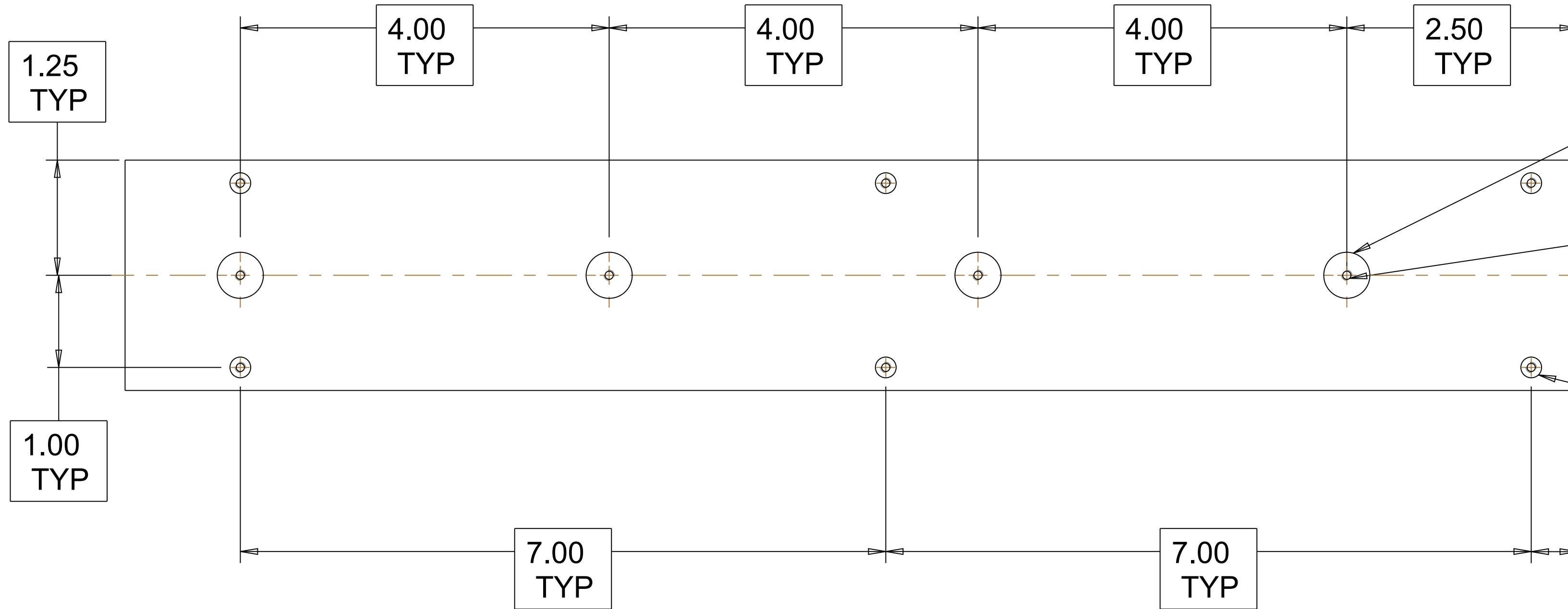
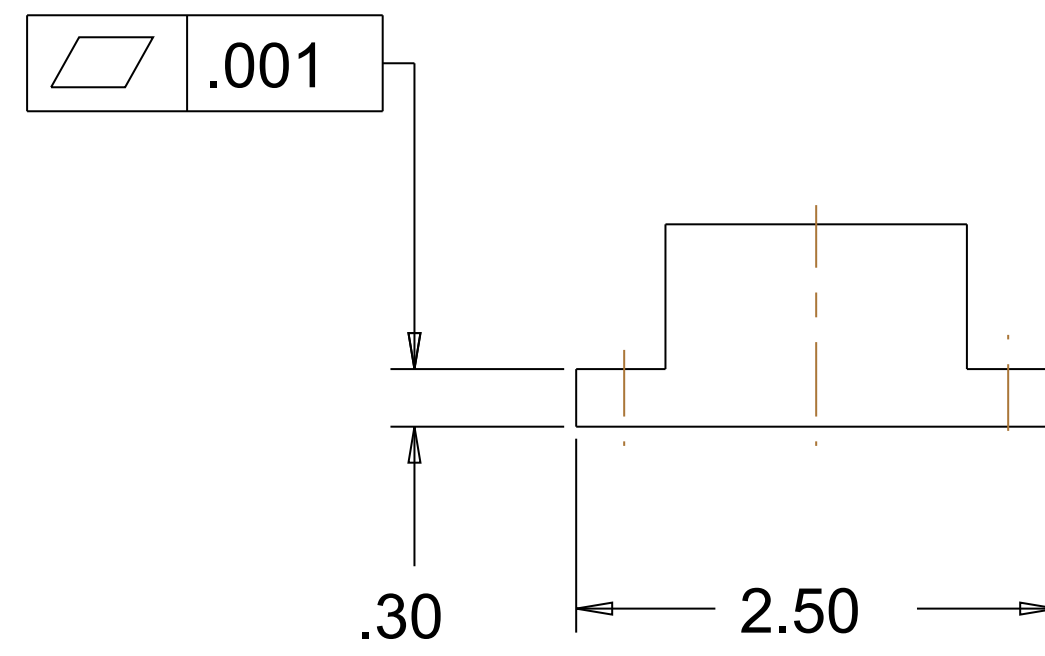
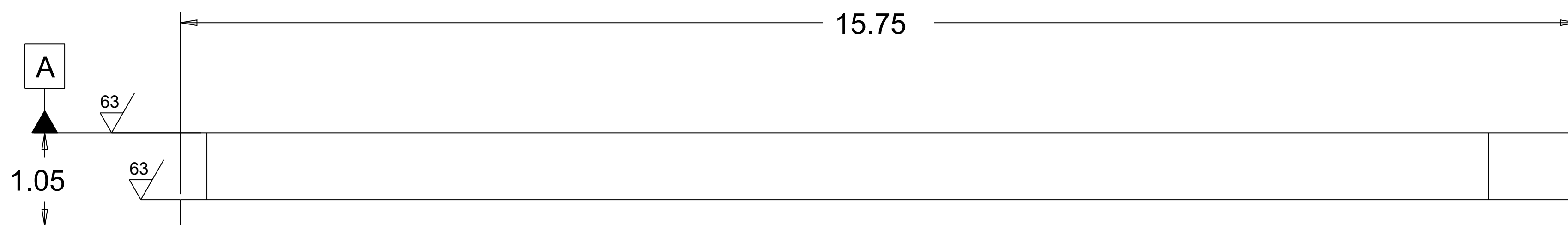
DETAIL B  
SCALE 2.000

R.125  
TYP

.75

14.75

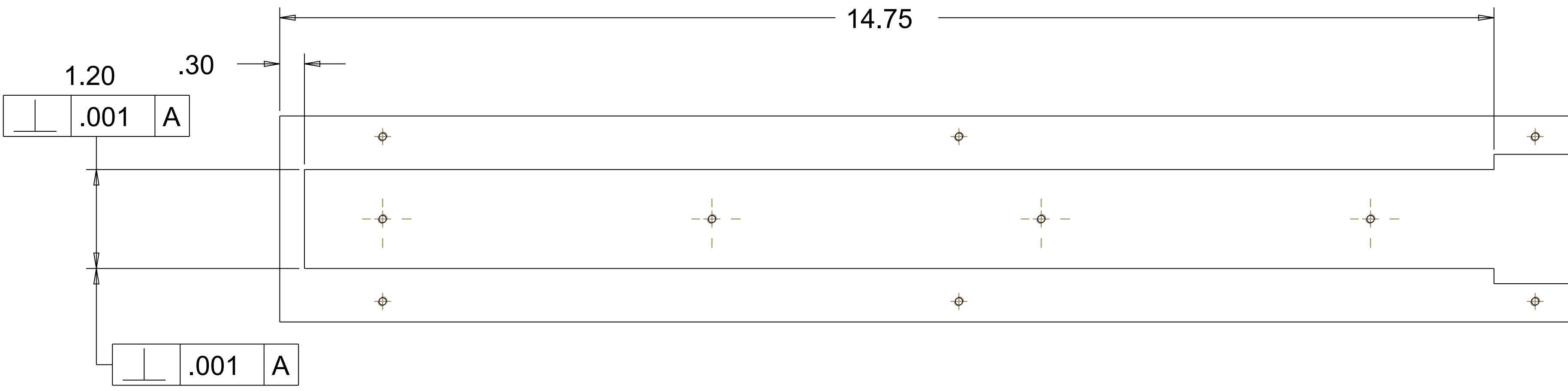
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		COMBUSTION & PROPULSION LAB			
TOL ON ANGLE $\pm$ 1° .XX $\pm$ .03 .XXX $\pm$ .010 .XXXX $\pm$ .0001		DRN BY SUDHA	DATE	CKD BY	DATE
REMOVE ALL BURRS AND SHARP EDGES R0.01 OR CHAMFER MAX		SIZE D	DWG NO. BOTTOMPLATE_COVER		Rev
SCALE : 1.000		PROJECTION:		SHEET : 1 of 1	



4 HOLES  $\phi$  0.5 .75 DEEP  
AS SHOWN

4 HOLES  $\phi$  .094/.088 THRU  
#4-40 UNC-2B THRU  
AS SHOWN

6 HOLES  $\phi$  .094/.088 THRU  
#4-40 UNC - 2B THRU  
COUNTERSUNK  $\phi$  .225 AT 82°  
AS SHOWN

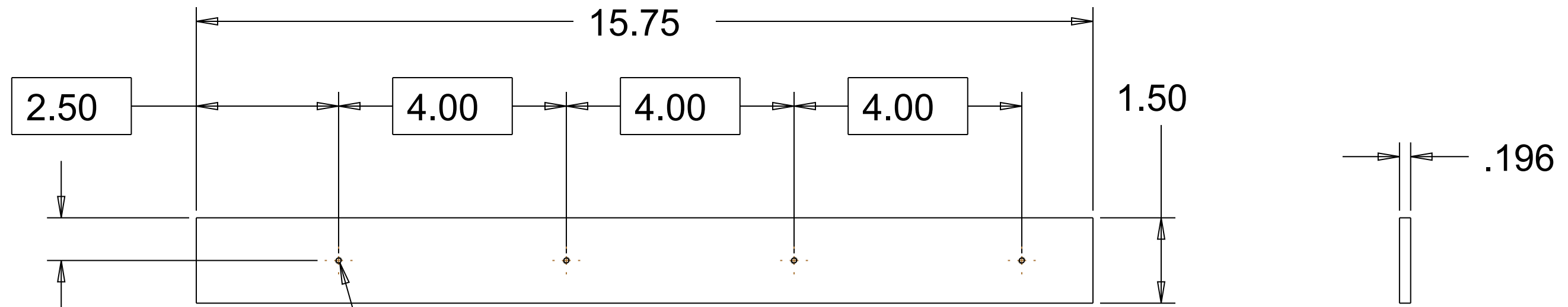


UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES  
TOL ON  
ANGLE  $\pm 1^\circ$   
.XX  $\pm .03$   
.XXX  $\pm .010$   
.XXXX  $\pm .0001$   
REMOVE ALL BURRS AND SHARP EDGES R0.01 OR CHAMFER MAX

COMBUSTION & PROPULSION LAB

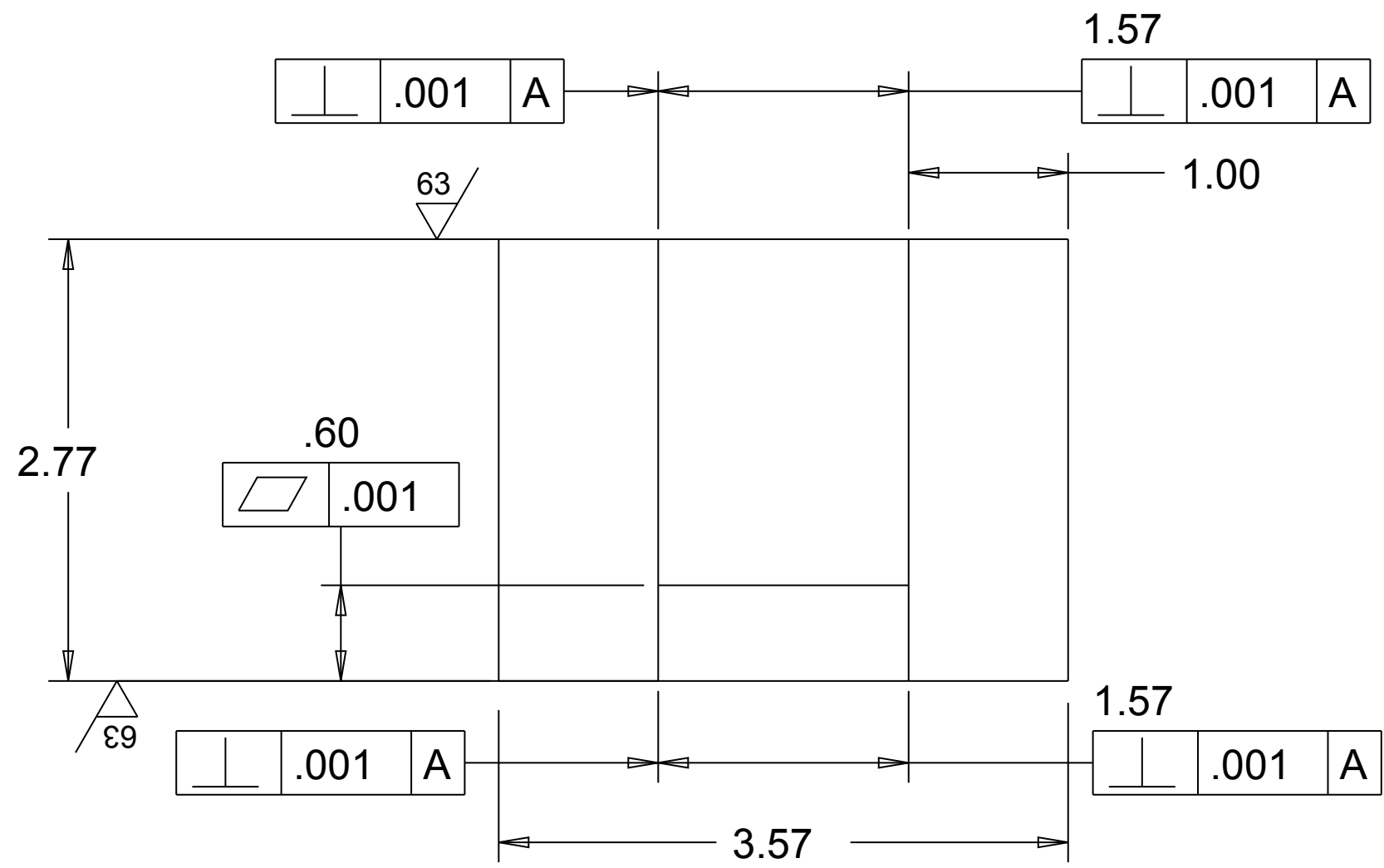
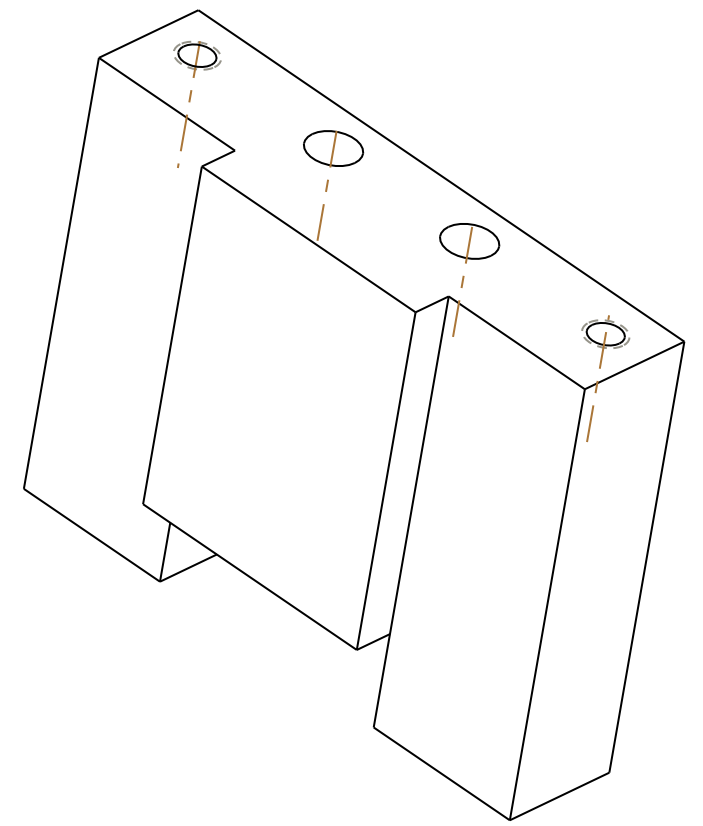
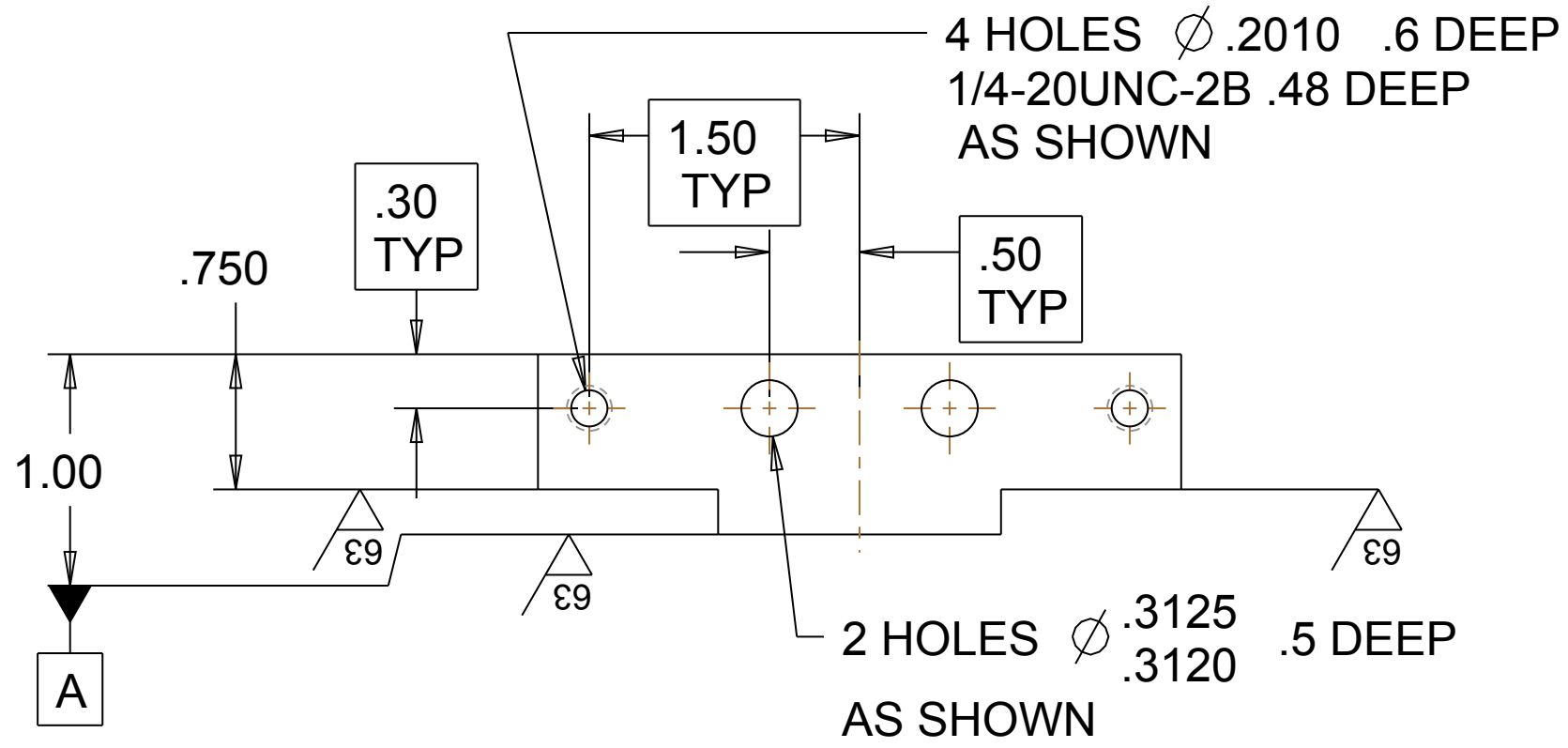
DRN BY SUDHA	DATE	CKD BY	DATE	MATERIAL ALUMINIUM 6061
-----------------	------	--------	------	----------------------------

SIZE D	DWG NO. BOTTOMPLATE_INSERT	Rev
-----------	-------------------------------	-----



4 HOLES  $\varnothing$  .094/.088  
 0.15 DEEP 4-40 UNC-2B  
 0.12 DEEP AS SHOWN

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		<b>COMBUSTION &amp; PROPULSION LAB</b>				
TOL ON .XX ± .03 .XXX ± .010 .XXXX ± .0001 ANGLE ± 1°						
REMOVE ALL BURRS AND SHARP EDGES R0.01 OR CHAMFER MAX		SIZE B	DWG NO. BLANK			Rev
SCALE : 0.500			PROJECTION:		SHEET : 1 of 1	



UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES					<b>COMBUSTION &amp; PROPULSION LAB</b>					
TOL ON .XX ± .03 .XXX ± .010 .XXXX ± .0001 ANGLE ± 1°										
REMOVE ALL BURRS AND SHARP EDGES R0.01 OR CHAMFER MAX					DRN BY SUDHA	DATE	CHK BY	DATE	MATERIAL ALUMINIUM 6061	
					SIZE B	DWG NO. BACKPLATE			Rev	
					SCALE : 1.000			PROJECTION:		SHEET : 1 of 1

8

7

6

5

4

3

1

D

D

C

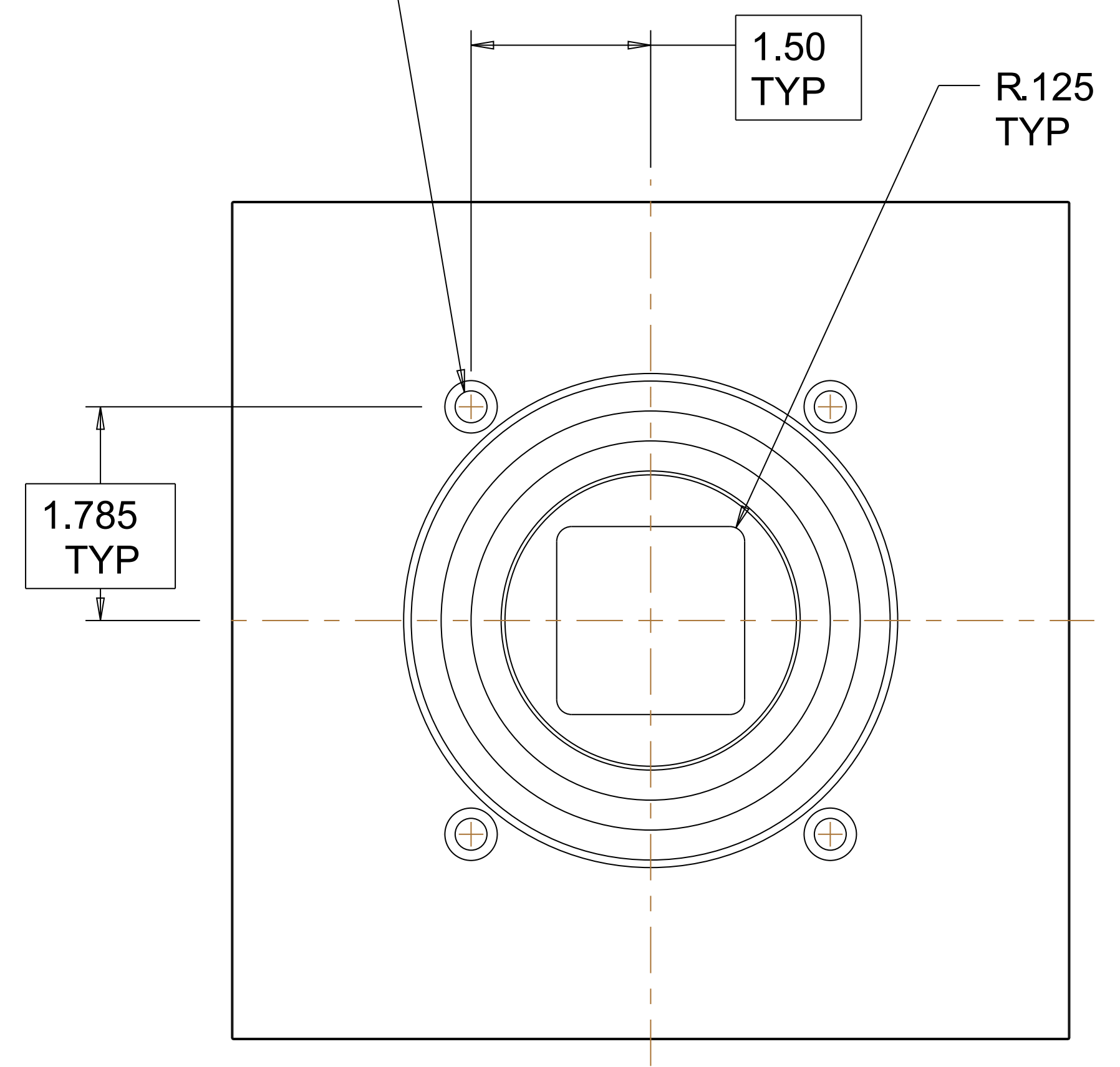
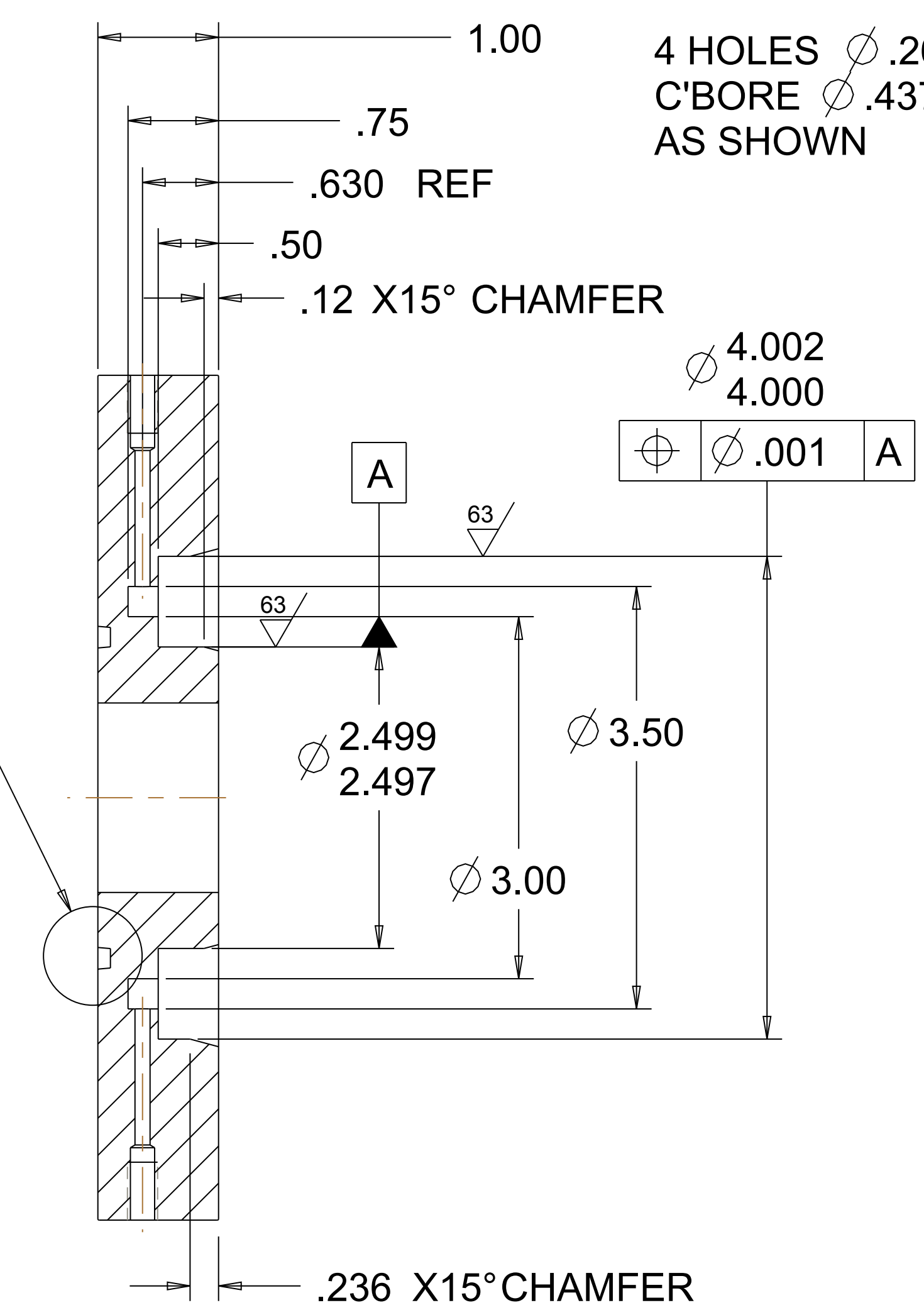
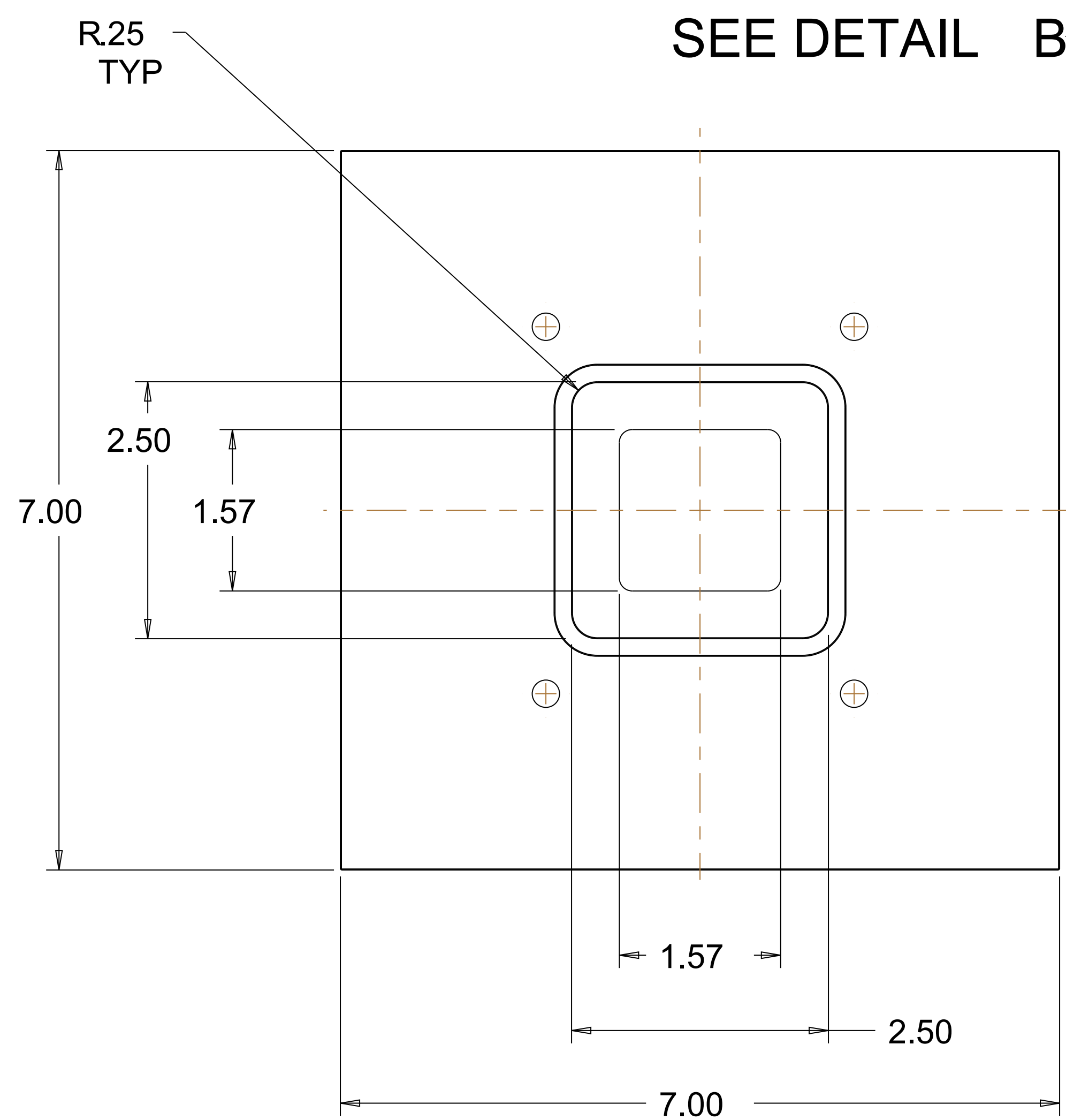
C

B

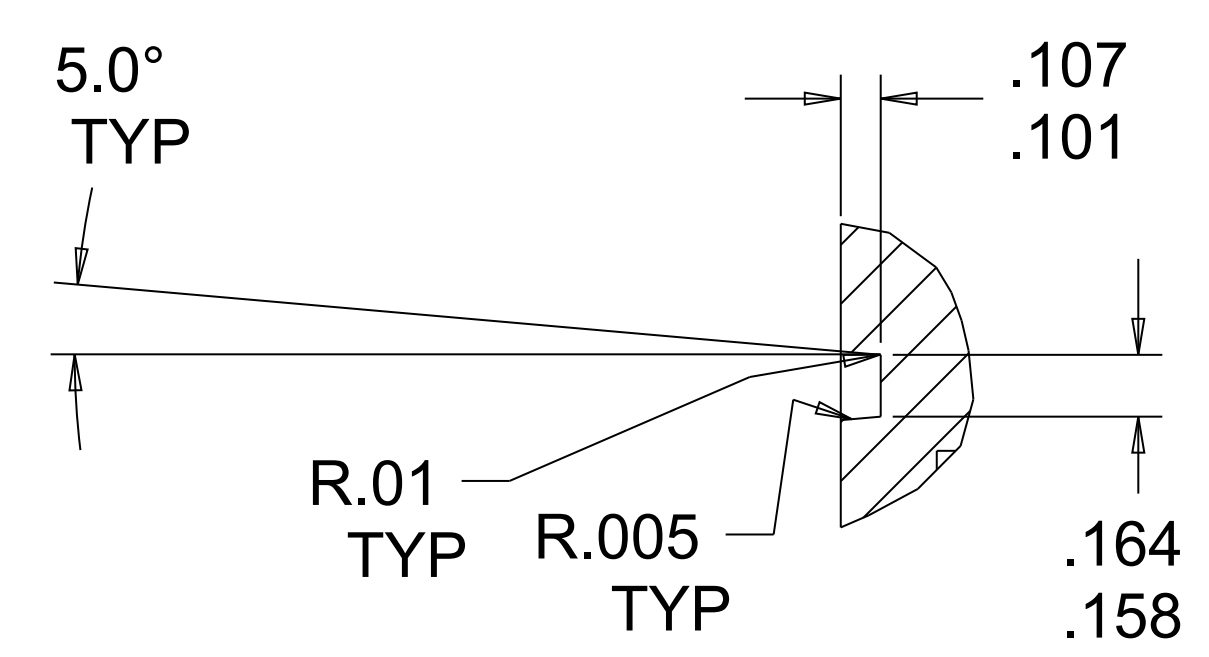
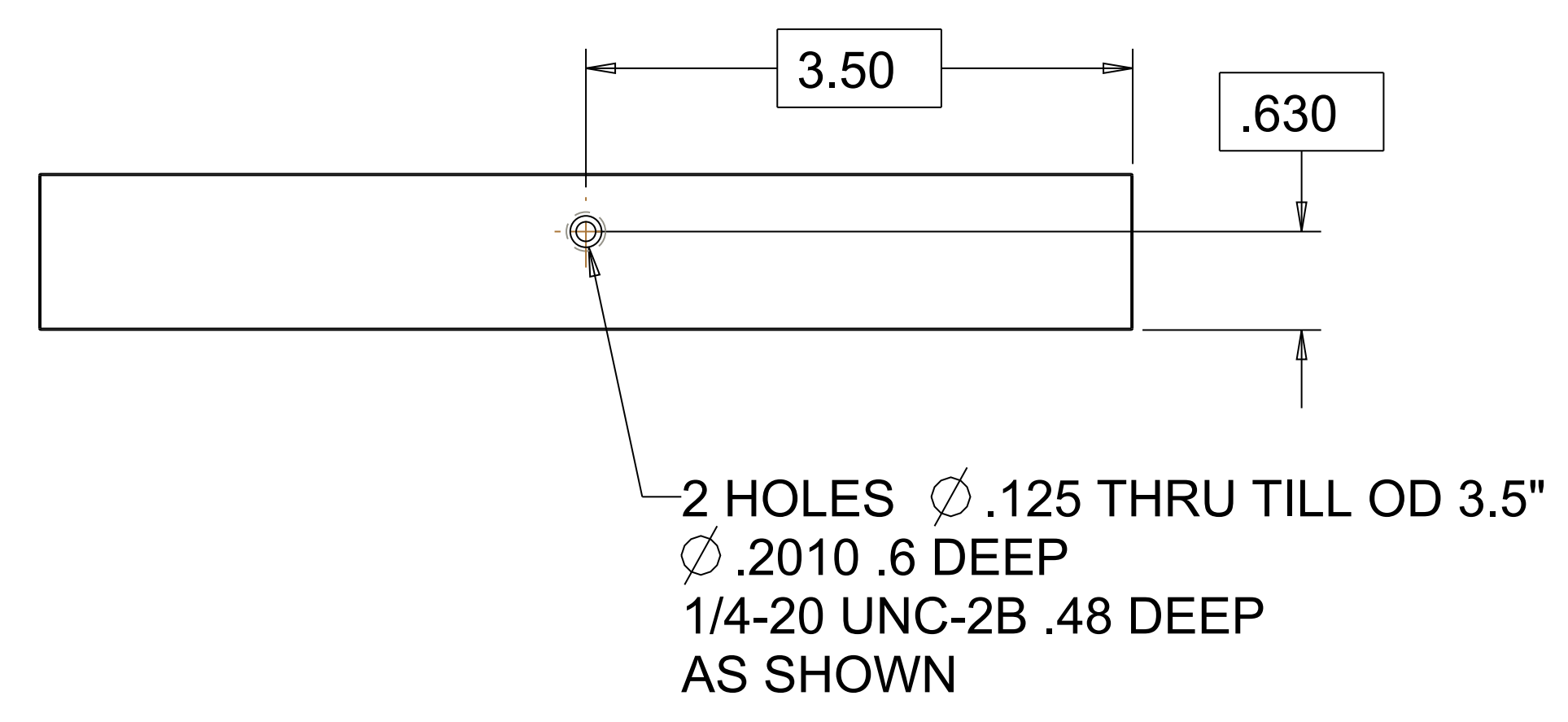
B

A

A



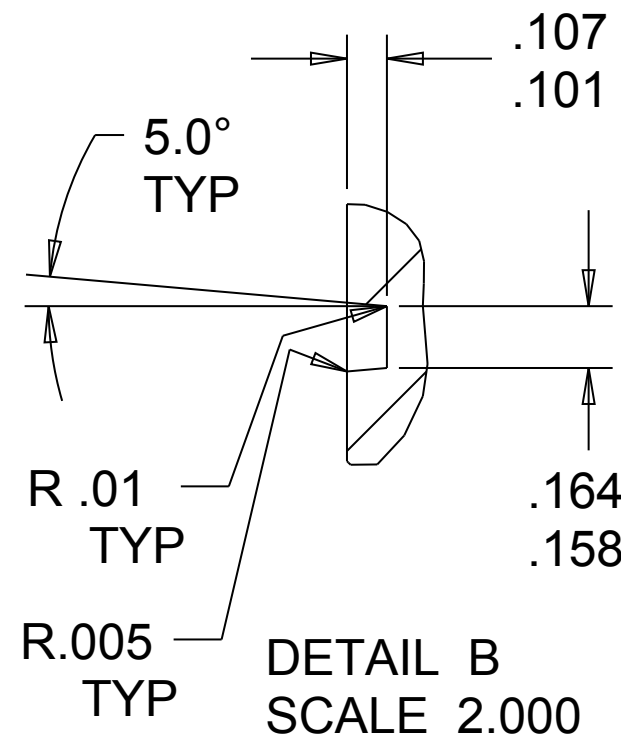
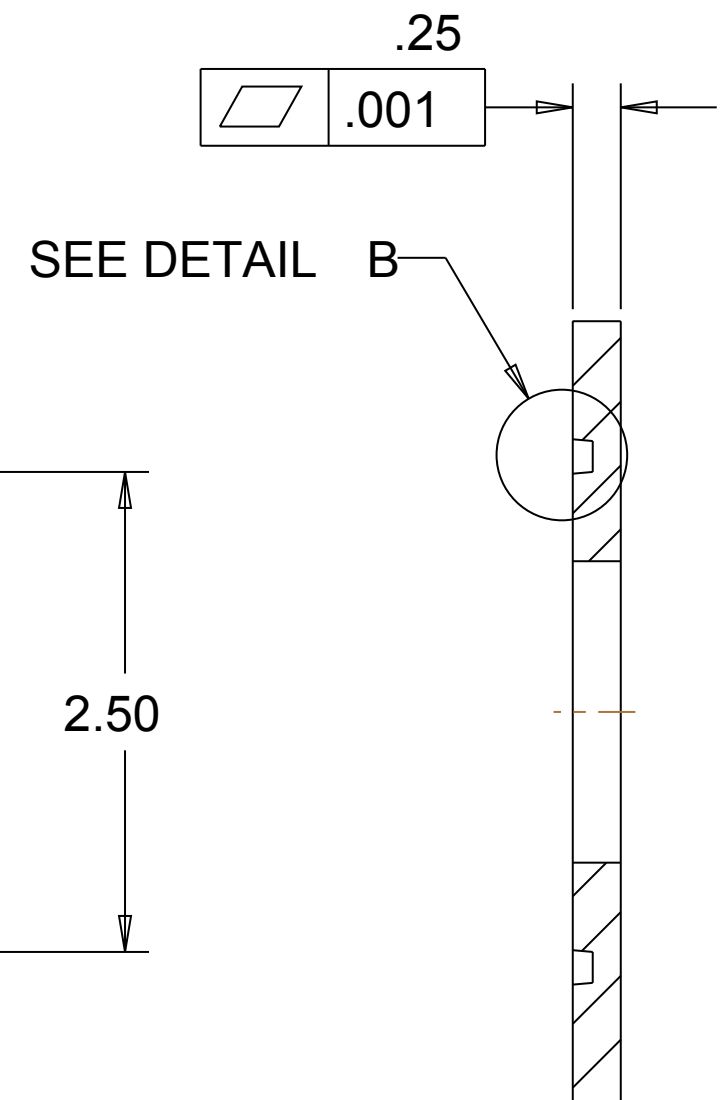
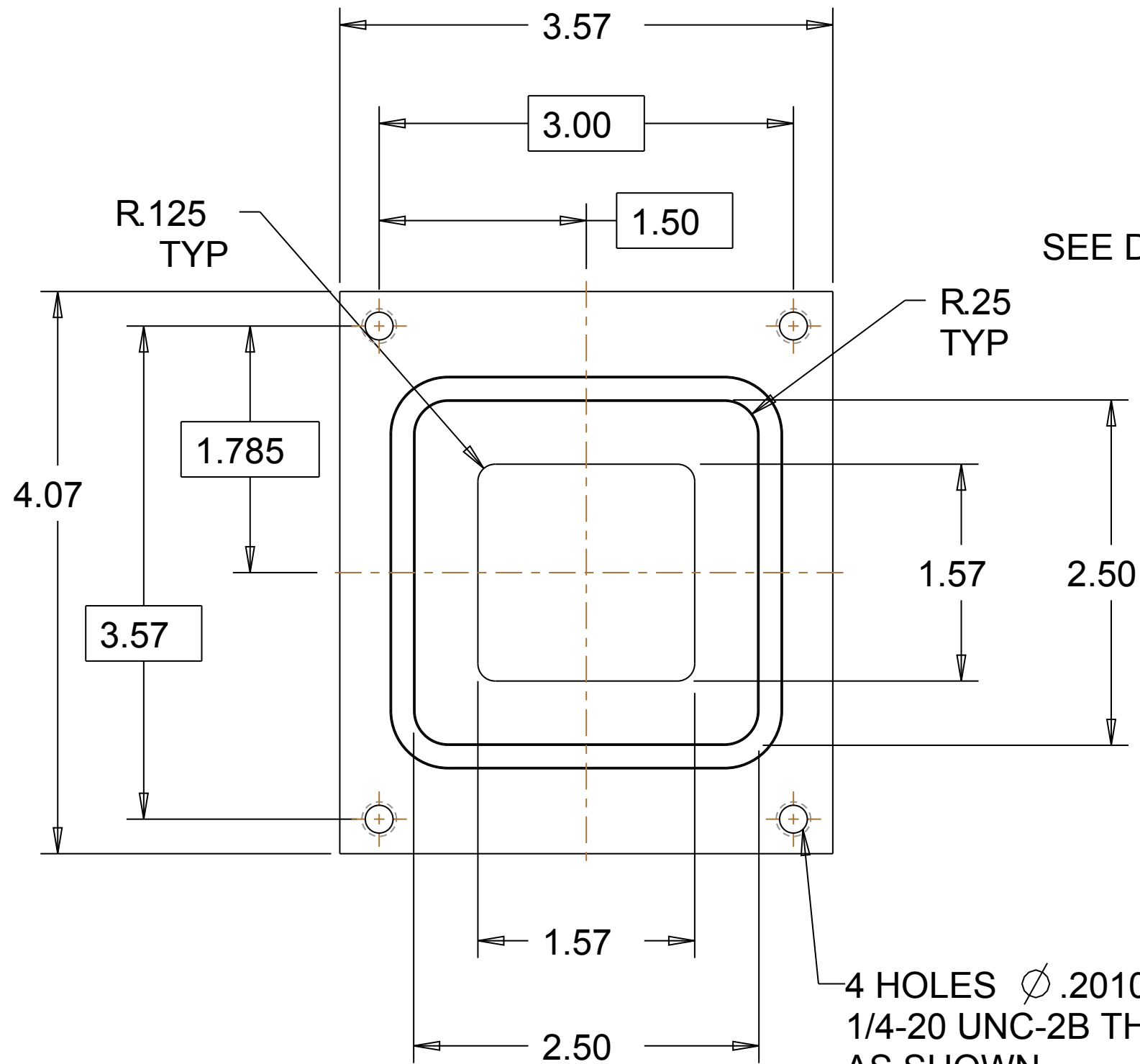
SECTION A-A



DETAIL B  
SCALE 2.000

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		COMBUSTION & PROPULSION LAB			
TOL ON	ANGLE $\pm$ 1°	DRN BY	DATE	CKD BY	DATE
.XX $\pm$ .03		SUDHA			
.XXX $\pm$ .010					MATERIAL
.XXXX $\pm$ .0001					ALUMINIUM 6061
REMOVE ALL BURRS AND SHARP EDGES R0.01 OR CHAMFER MAX	SCALE : 1.000	SIZE	DWG NO.	Rev	
		D	SEALINGPLATE		
					PROJECTION:  SHEET : 1 of 1



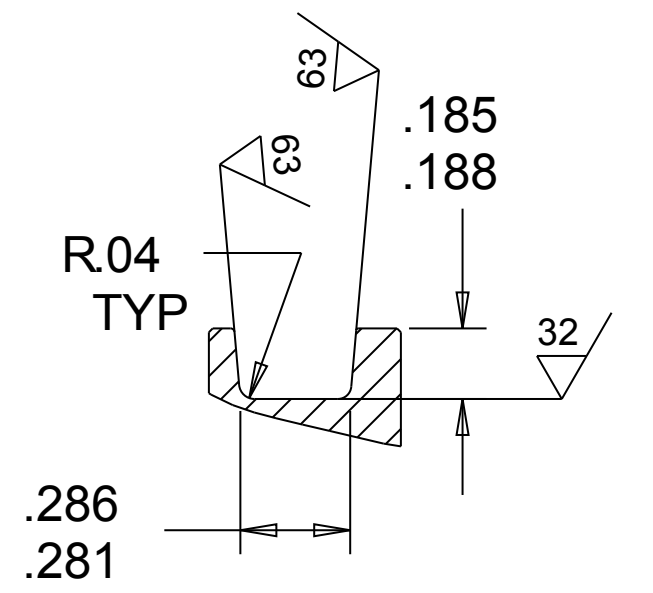
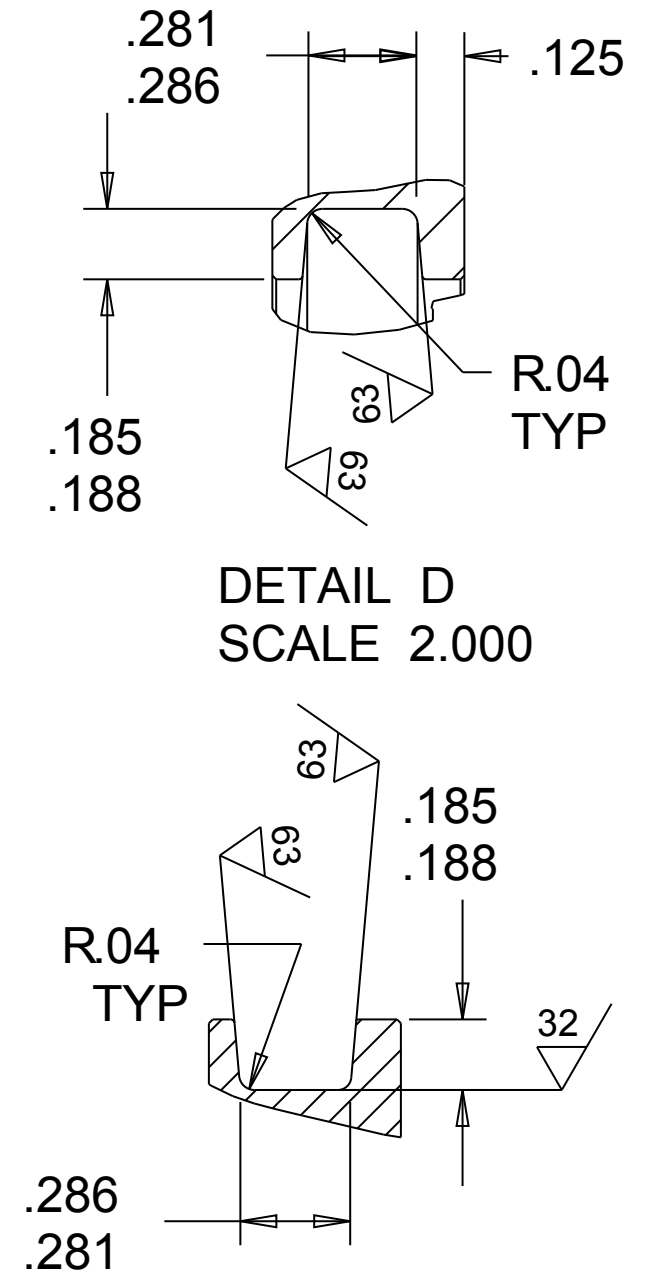
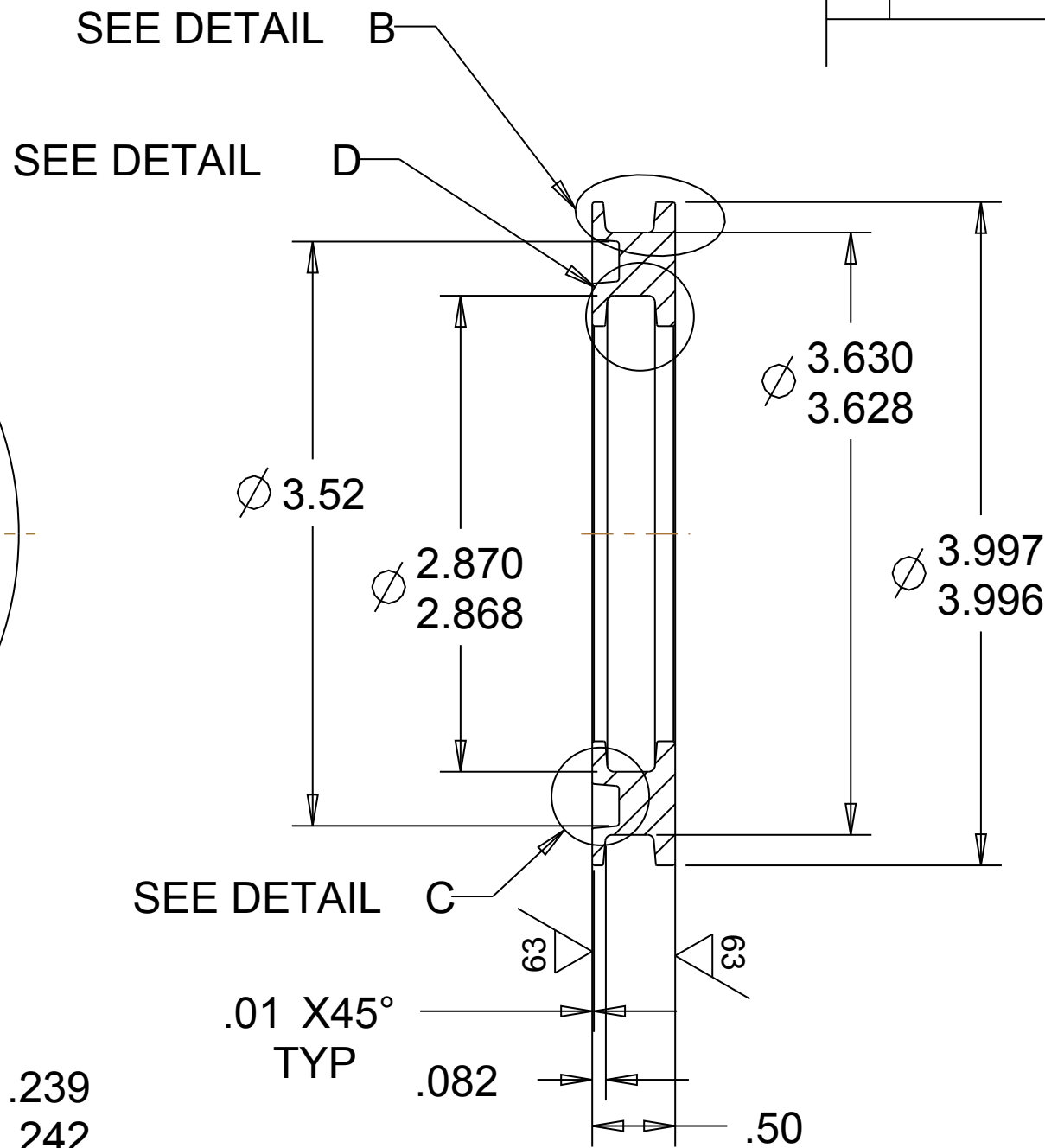
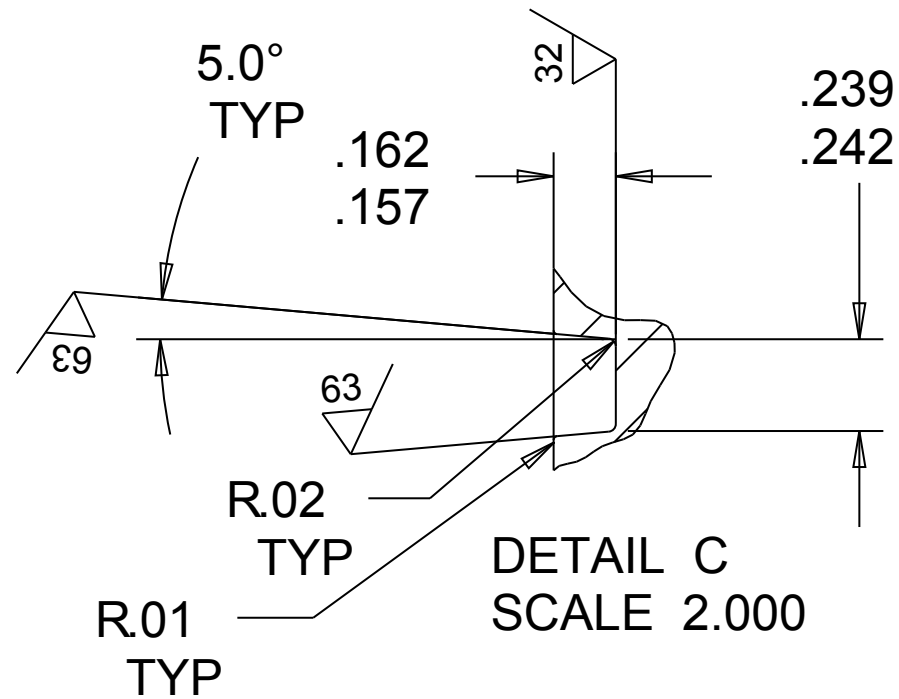
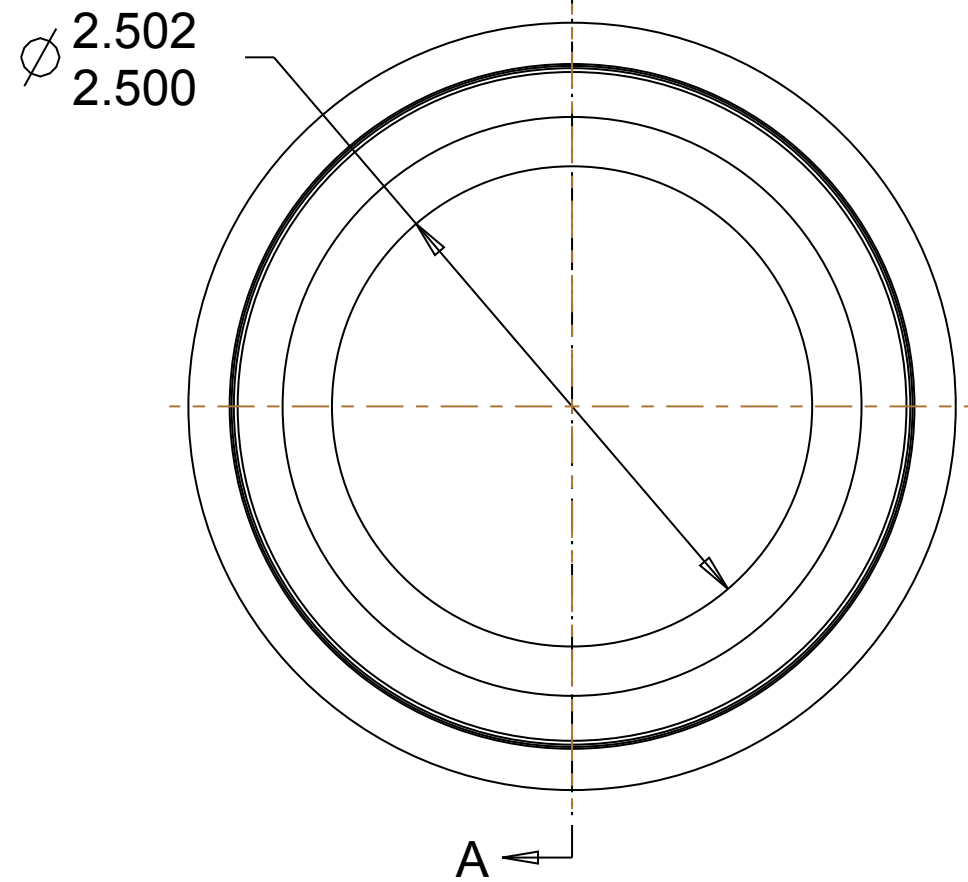


4 HOLES  $\varnothing$  .2010 THRU  
1/4-20 UNC-2B THRU  
AS SHOWN

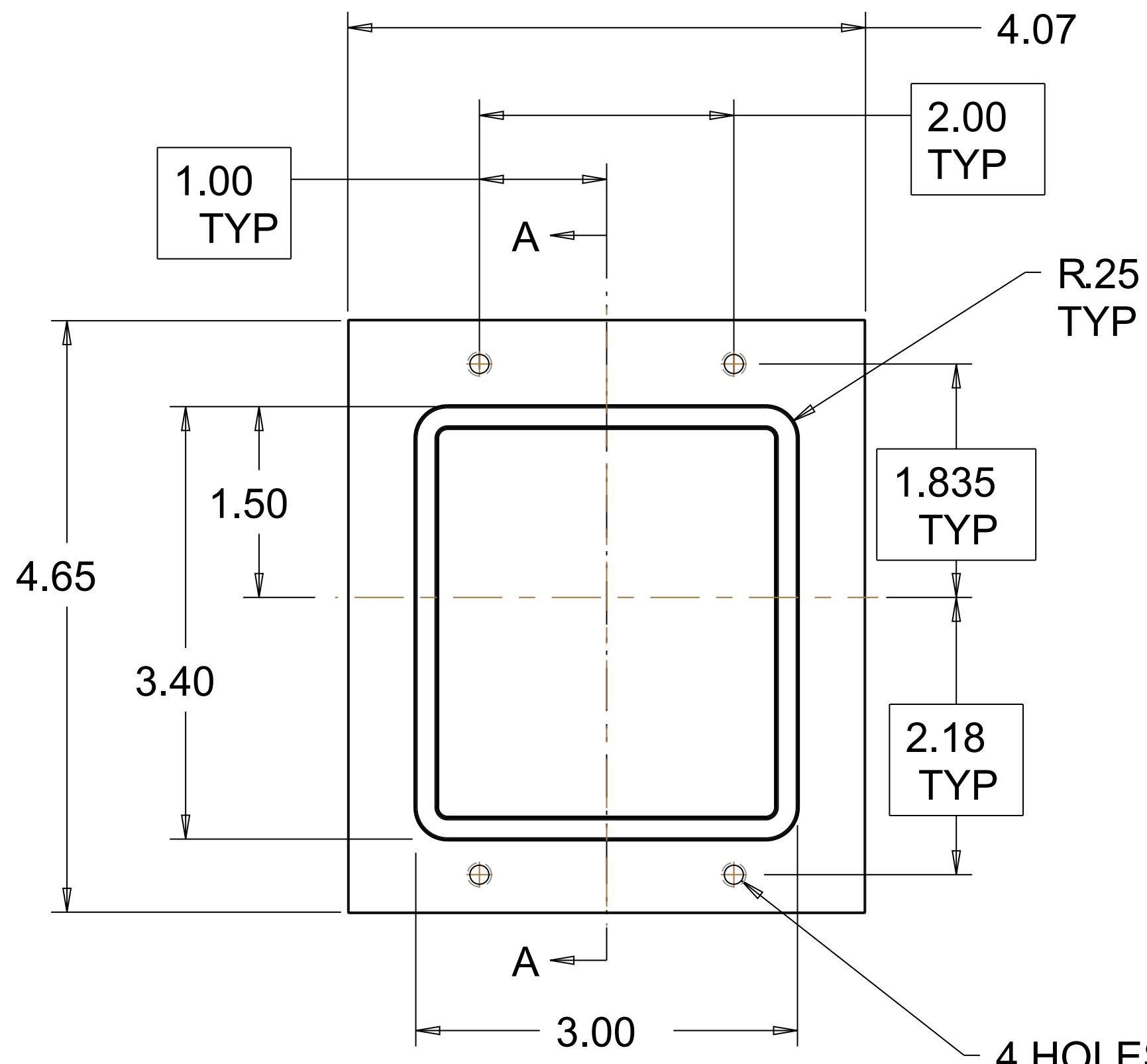
SECTION A-A

DETAIL B  
SCALE 2.000

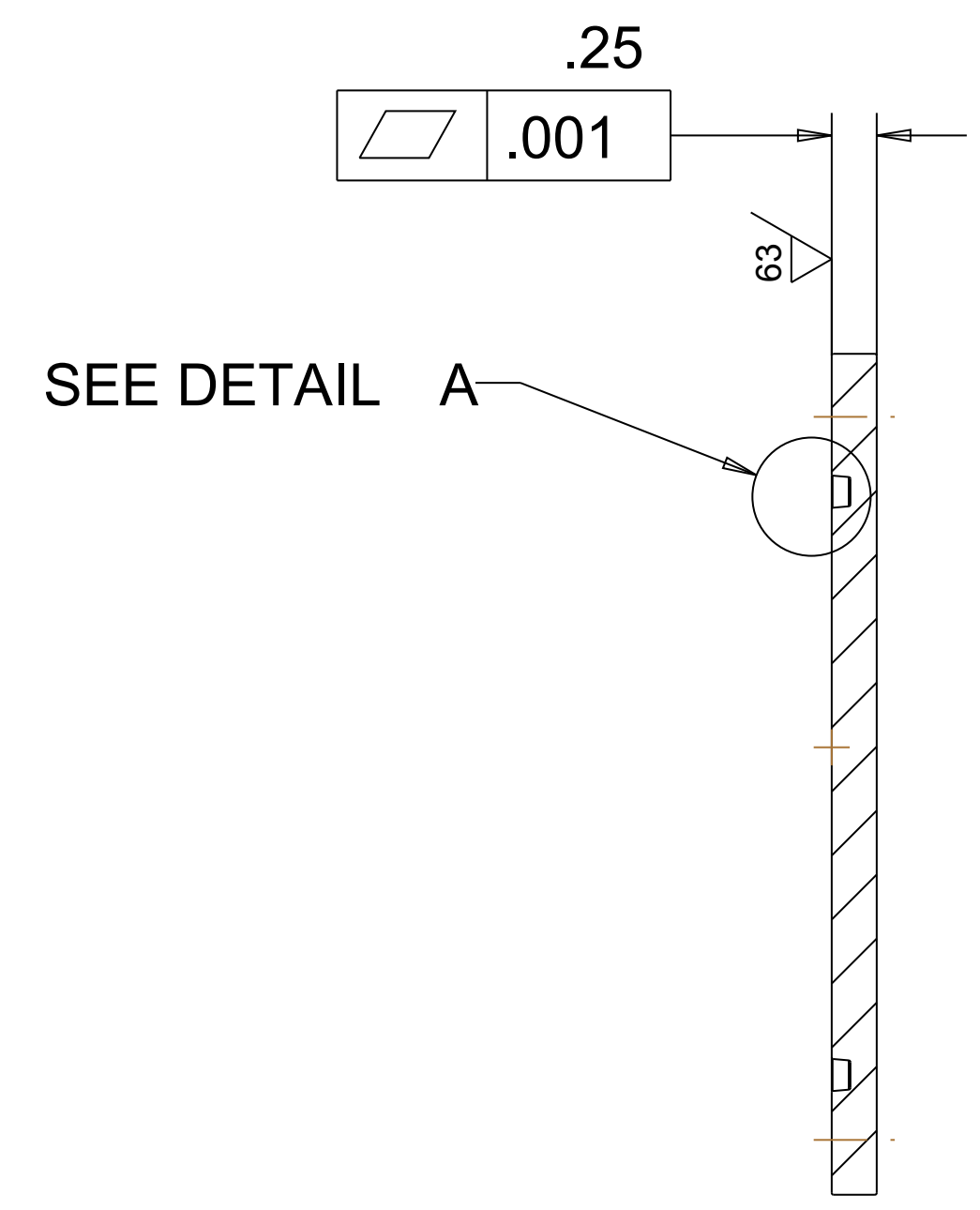
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES					COMBUSTION & PROPULSION LAB					
TOL ON .XX ± .03 .XXX ± .010 .XXXX ± .0001 ANGLE ± 1°		DRN BY SUDHA	DATE	CHK BY	DATE	MATERIAL ALUMINIUM 6061				
REMOVE ALL BURRS AND SHARP EDGES R0.01 OR CHAMFER MAX		SIZE B	DWG NO. SEALINGPLATE_COVER			Rev				
SCALE : 1.000			PROJECTION:		SHEET : 1 of 1					



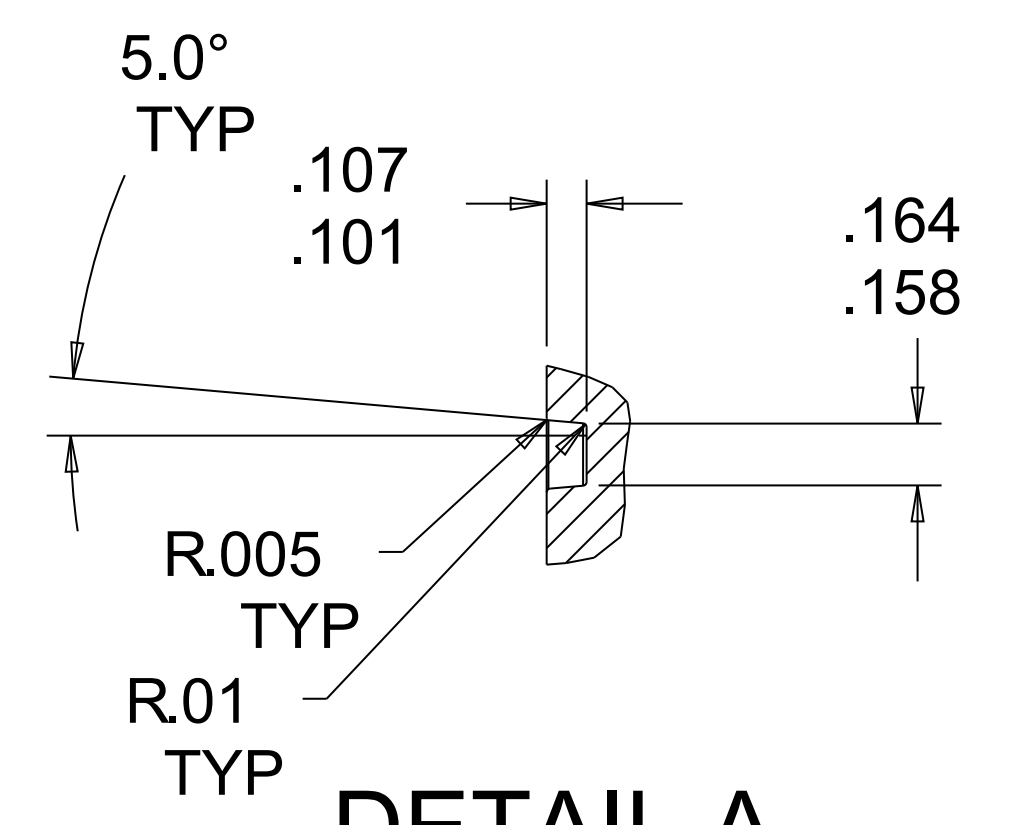
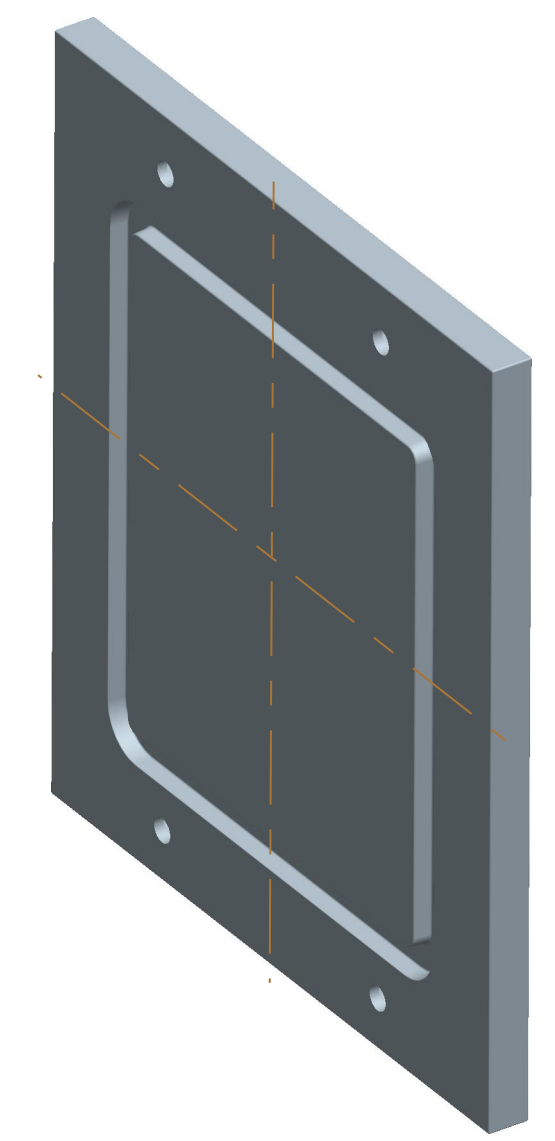
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES					COMBUSTION & PROPULSION LAB				
TOL ON .XX ± .03 .XXX ± .010 .XXXX ± .0001 ANGLE ± 1°									
DRN BY SUDHA		DATE	CHK BY	DATE	MATERIAL DERLIN		Rev		
SIZE B		DWG NO. SEALINGRING			SCALE : 1.000				
REMOVE ALL BURRS AND SHARP EDGES R0.01 OR CHAMFER MAX					PROJECTION:		SHEET : 1 of 1		



4 HOLES  $\phi$ .1495 THRU  
 #10-24 UNC-2B THRU  
 C'BORE  $\phi$ .3750 .190 DEEP  
 AS SHOWN

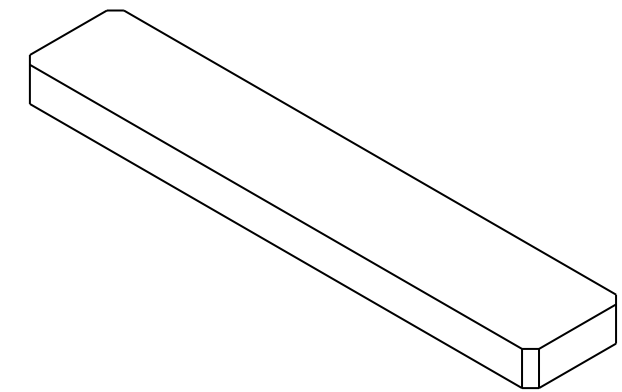


SECTION A-A

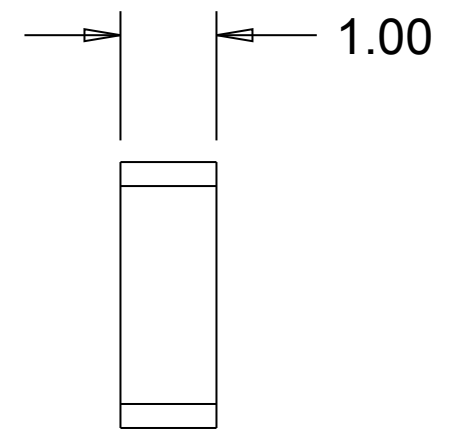
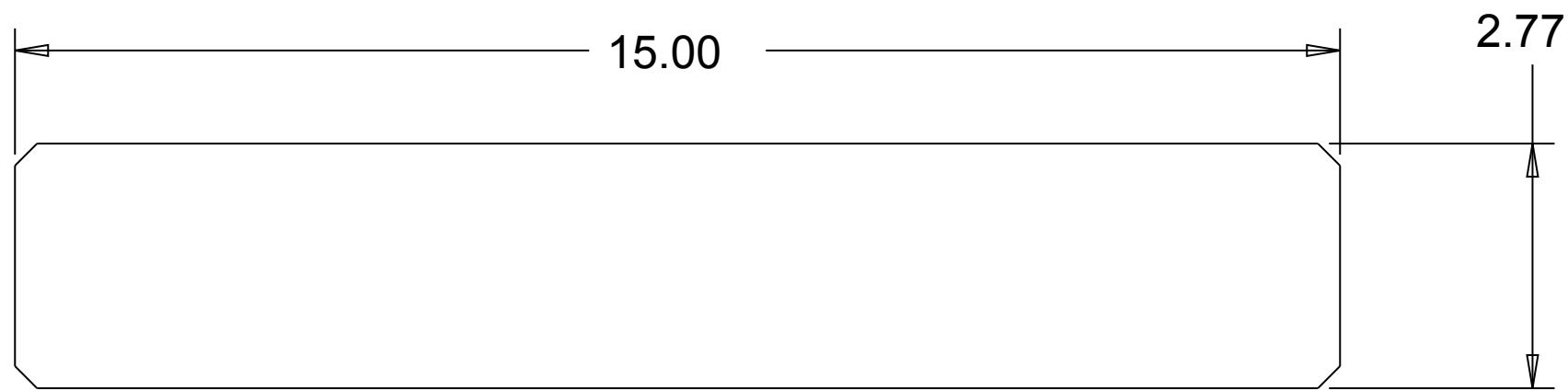


DETAIL A  
 SCALE 2.000

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		COMBUSTION & PROPULSION LAB			
TOL ON ANGLE $\pm$ 1° .XX $\pm$ .03 .XXX $\pm$ .010 .XXXX $\pm$ .0001		DRN BY SUDHA	DATE	CKD BY DATE	MATERIAL ALUMINIUM 6061
REMOVE ALL BURRS AND SHARP EDGES R0.01 OR CHAMFER MAX		SIZE D	DWG NO. BACKPLATE_COVER		Rev
SCALE : 1.000		PROJECTION:		SHEET : 1 of 1	



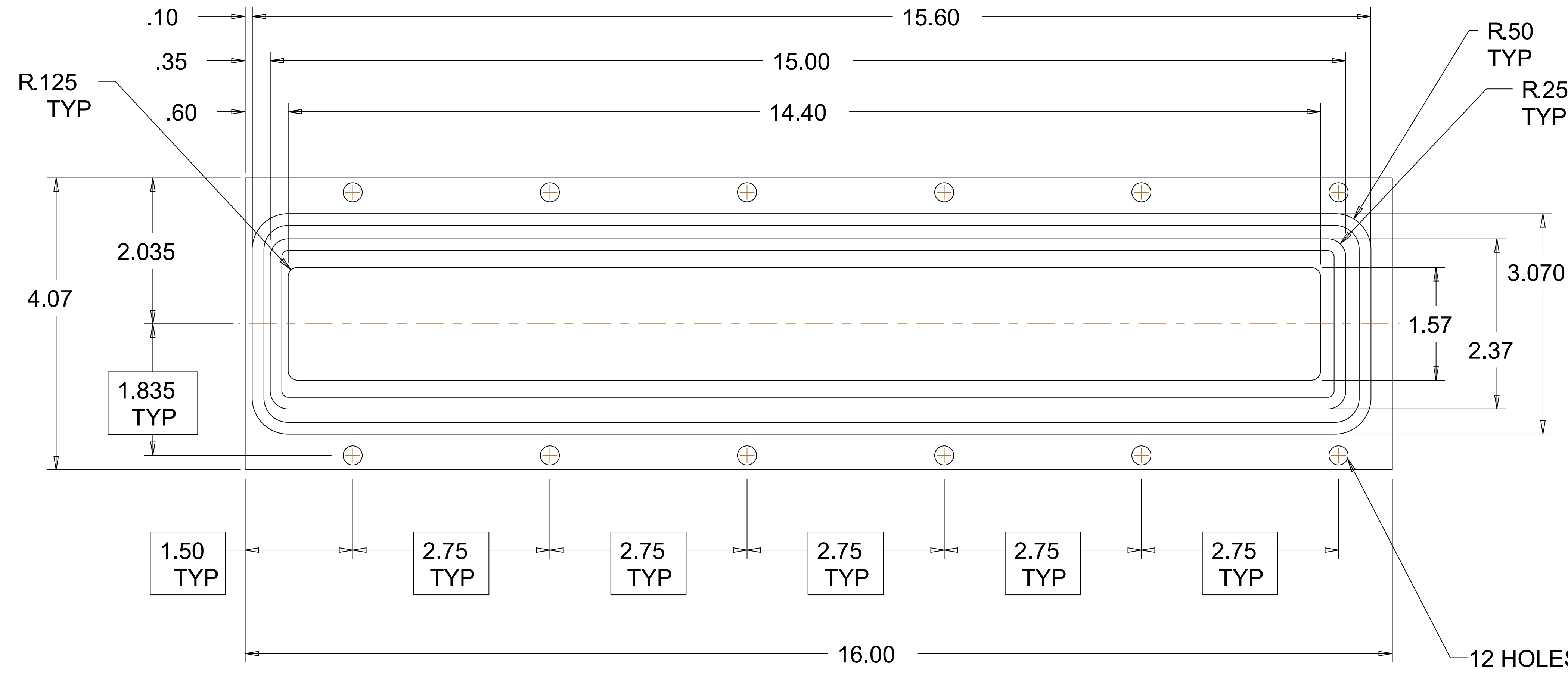
SCALE 0.250



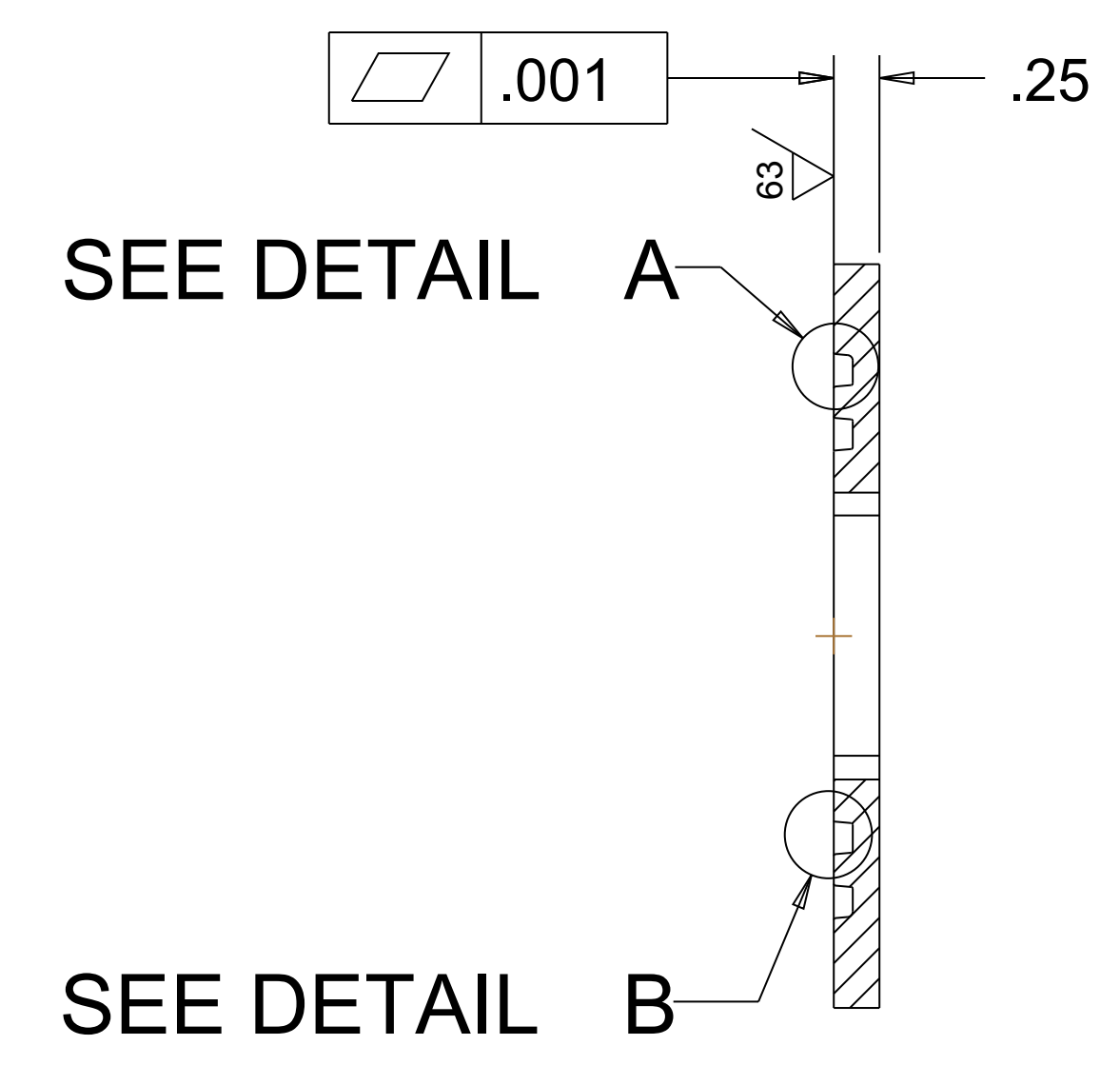
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		<b>COMBUSTION &amp; PROPULSION LAB</b>				
TOL ON .XX ± .03 .XXX ± .010 .XXXX ± .0001 ANGLE ± 1°						
REMOVE ALL BURRS AND SHARP EDGES R0.01 OR CHAMFER MAX		DRN BY SUDHA	DATE	CHK BY	DATE	MATERIAL GLASS
		SIZE B	DWG NO. WINDOW		Rev	
		SCALE : 0.500		PROJECTION:	SHEET : 1 of 1	



8 7 6 5 4 3 2 1



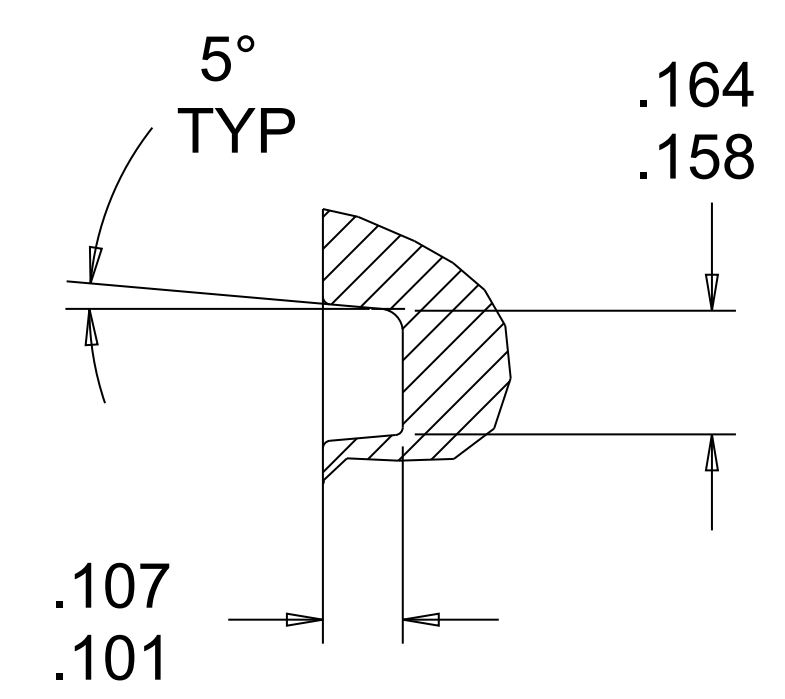
12 HOLES  $\varnothing$  .2670/.2650 THRU AS SHOWN



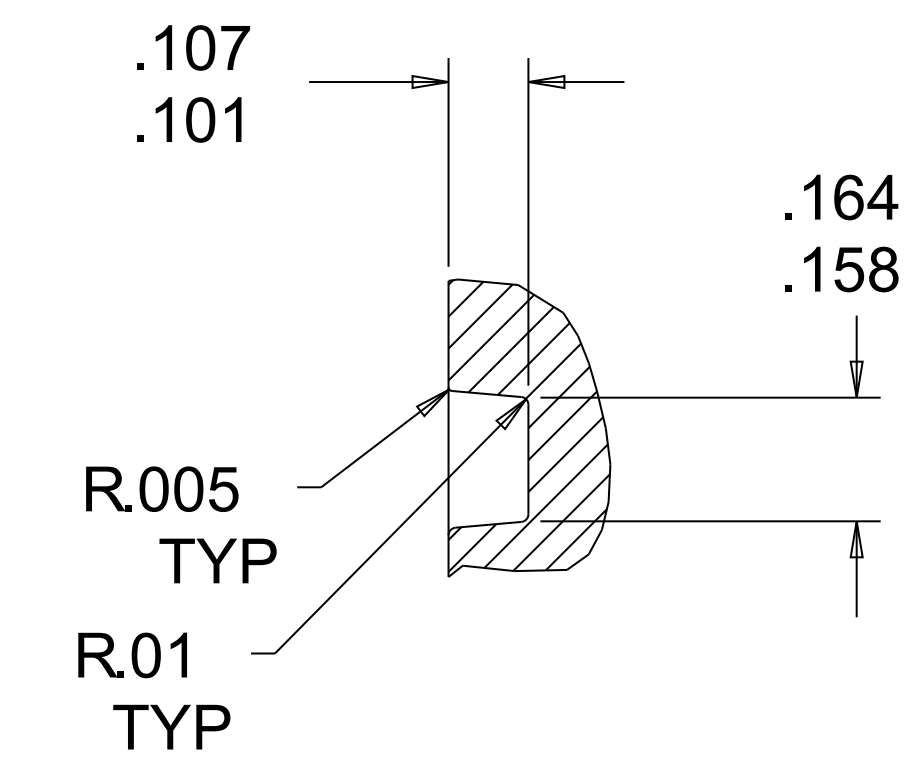
SEE DETAIL A

SEE DETAIL B

SECTION A-A



DETAIL A  
SCALE 4.000



DETAIL B  
SCALE 4.000

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		COMBUSTION & PROPULSION LAB			
TOL ON ANGLE $\pm$ 1° .XX $\pm$ .03 .XXX $\pm$ .010 .XXXX $\pm$ .0001		DRN BY SUDHA	DATE	CKD BY	DATE
REMOVE ALL BURRS AND SHARP EDGES R0.01 OR CHAMFER MAX		SIZE D	DWG NO. WINDOW_COVER		Rev
SCALE : 1.000		PROJECTION:		SHEET : 1 of 1	

8 7 6 5 4 3 2 1