
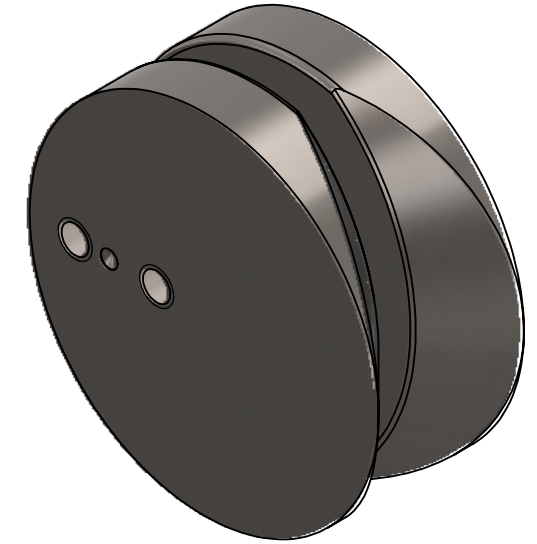
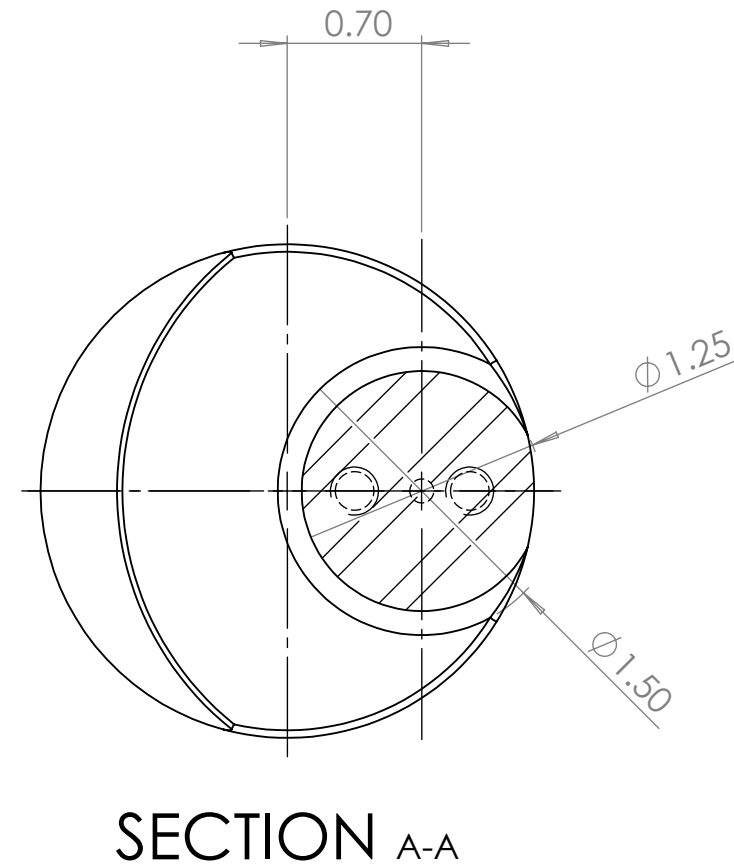
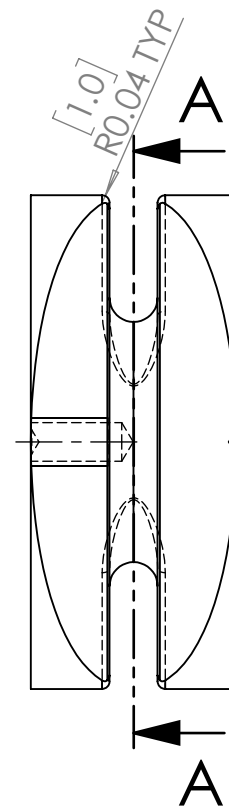
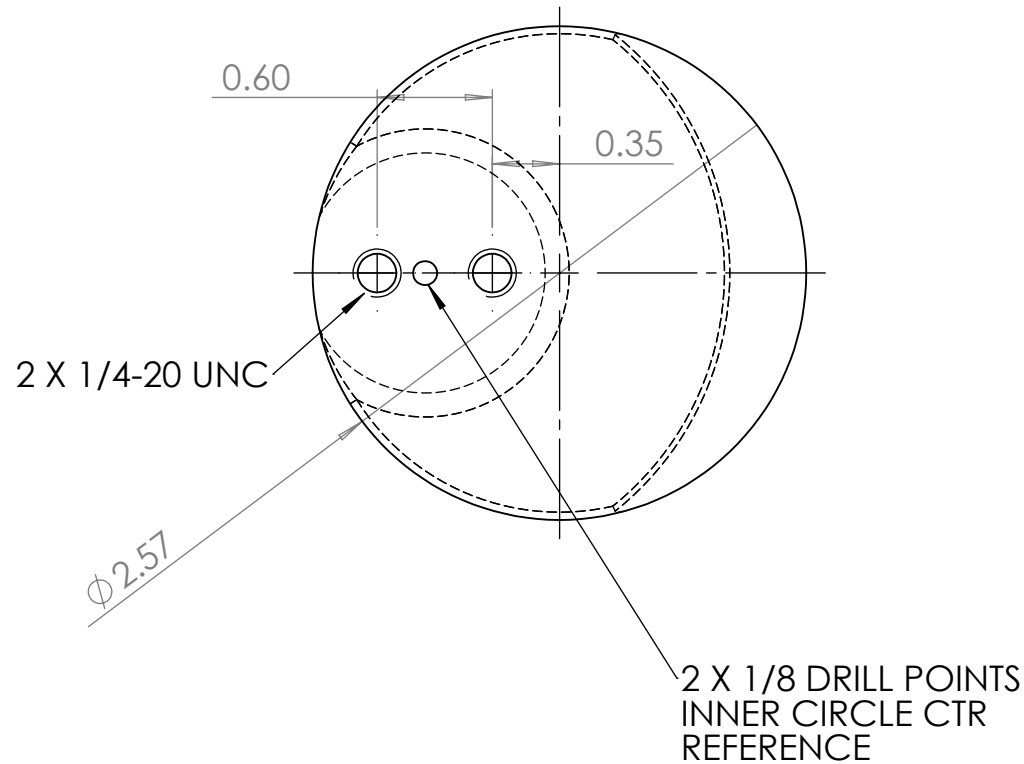
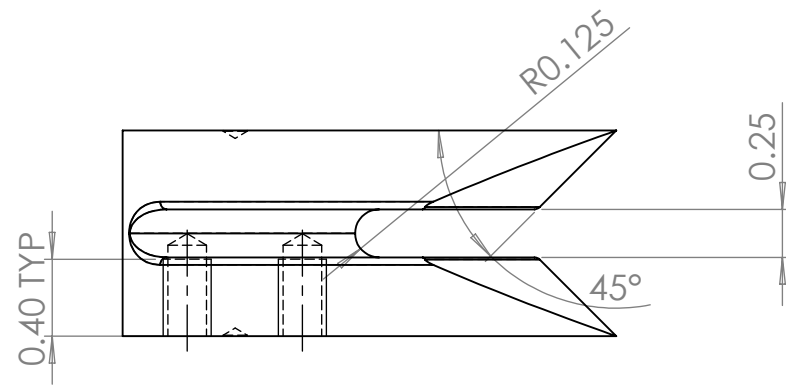



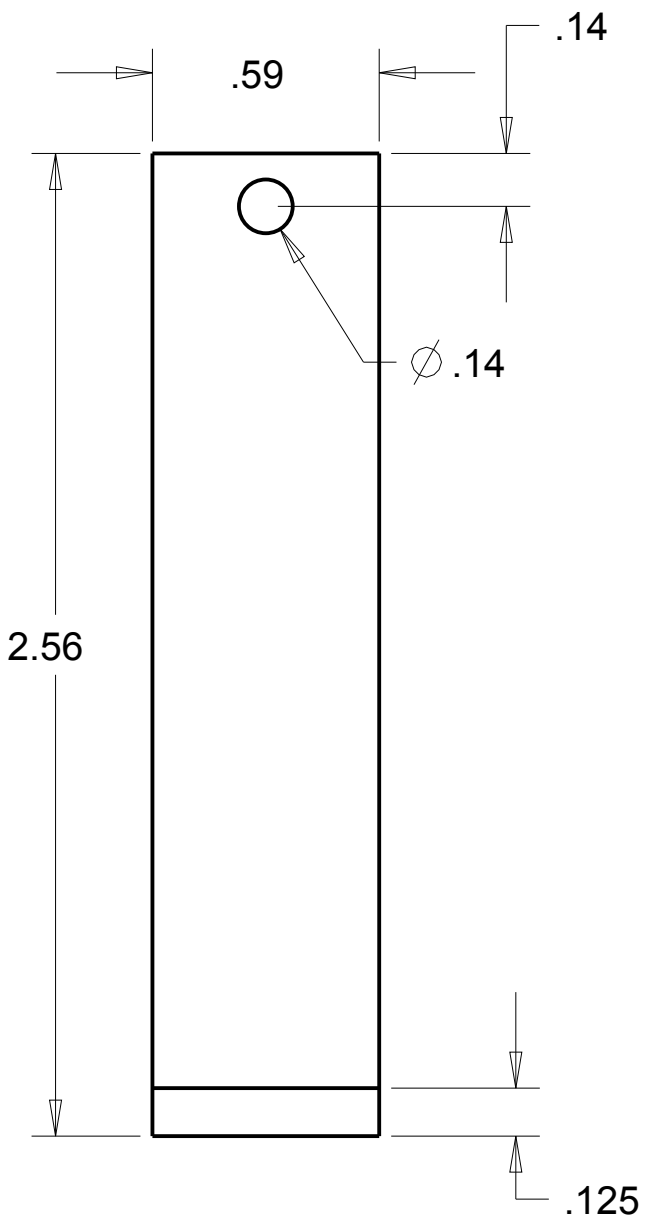
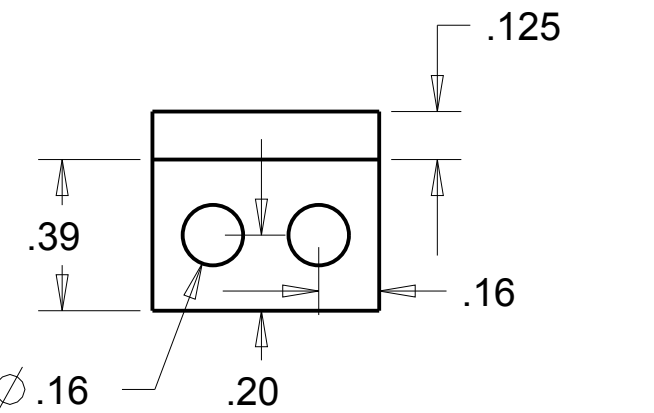
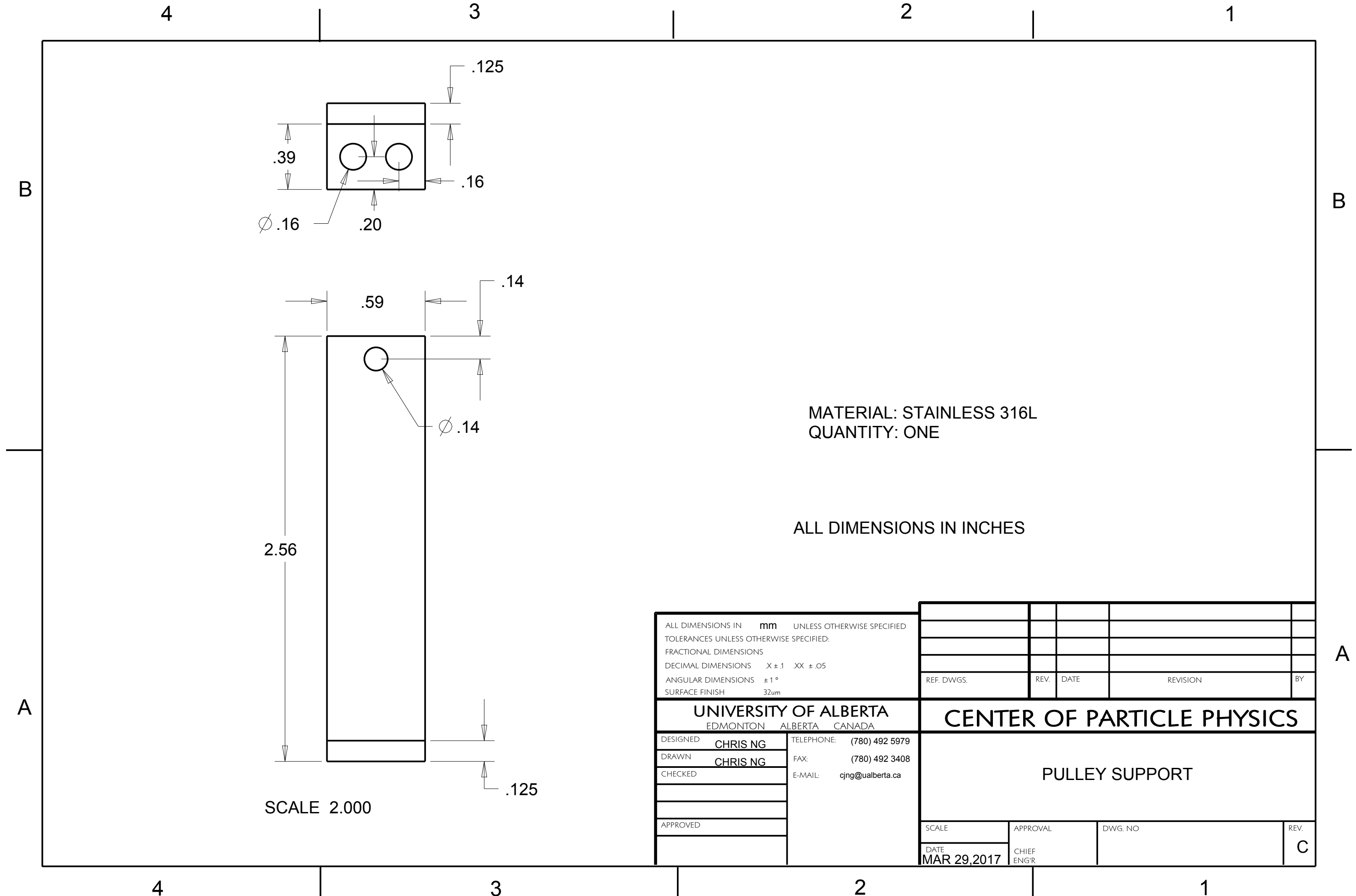
QTY:

UNLESS OTHERWISE SPECIFIED: DIMS ARE IN INCHES [MILLIMETERS] SURFACE FINISH: 32µin [0.8µm] TOLERANCES: LINEAR: ±0.01 in [±0.3mm] ANGULAR: ±0.5°		FINISH:		DEBURR AND BREAK SHARP EDGES		 <b>CENTRE FOR PARTICLE PHYSICS</b>	
	NAME	DATE	EMAIL		TITLE:		
DRAWN	Mitchel Baker	2021-07-09	msbaker@ualberta.ca		PULLEY ASSEMBLY		
CHK'D							
APPV'D							
					DO NOT SCALE DRAWING		REVISION A-1
MATERIAL:			WEIGHT:		DWG NO.		A3
					UFO Pulley Assembly		
					SCALE:1:2		SHEET 1 OF 2



QTY: 2

UNLESS OTHERWISE SPECIFIED: DIMS ARE IN INCHES [MILLIMETERS] SURFACE FINISH: 32µin [0.8µm] TOLERANCES: LINEAR: ±0.01 in [±0.3mm] ANGULAR: ±0.5°		FINISH:		DEBURR AND BREAK SHARP EDGES		<div> UNIVERSITY OF ALBERTA</div> <div>CENTRE FOR PARTICLE PHYSICS</div>	
	NAME	DATE	EMAIL			TITLE:	
DRAWN	Mitchel Baker	2021-06-29	msbaker@ualberta.ca				
CHK'D							
APPV'D							
						DO NOT SCALE DRAWING	
						REVISION A-1	
AISI Type 316L stainless steel  MATERIAL:			WEIGHT: 1.23			DWG NO.	
						New Pulley V2	
						A3	
			SCALE:1:1			SHEET 1 OF 1	

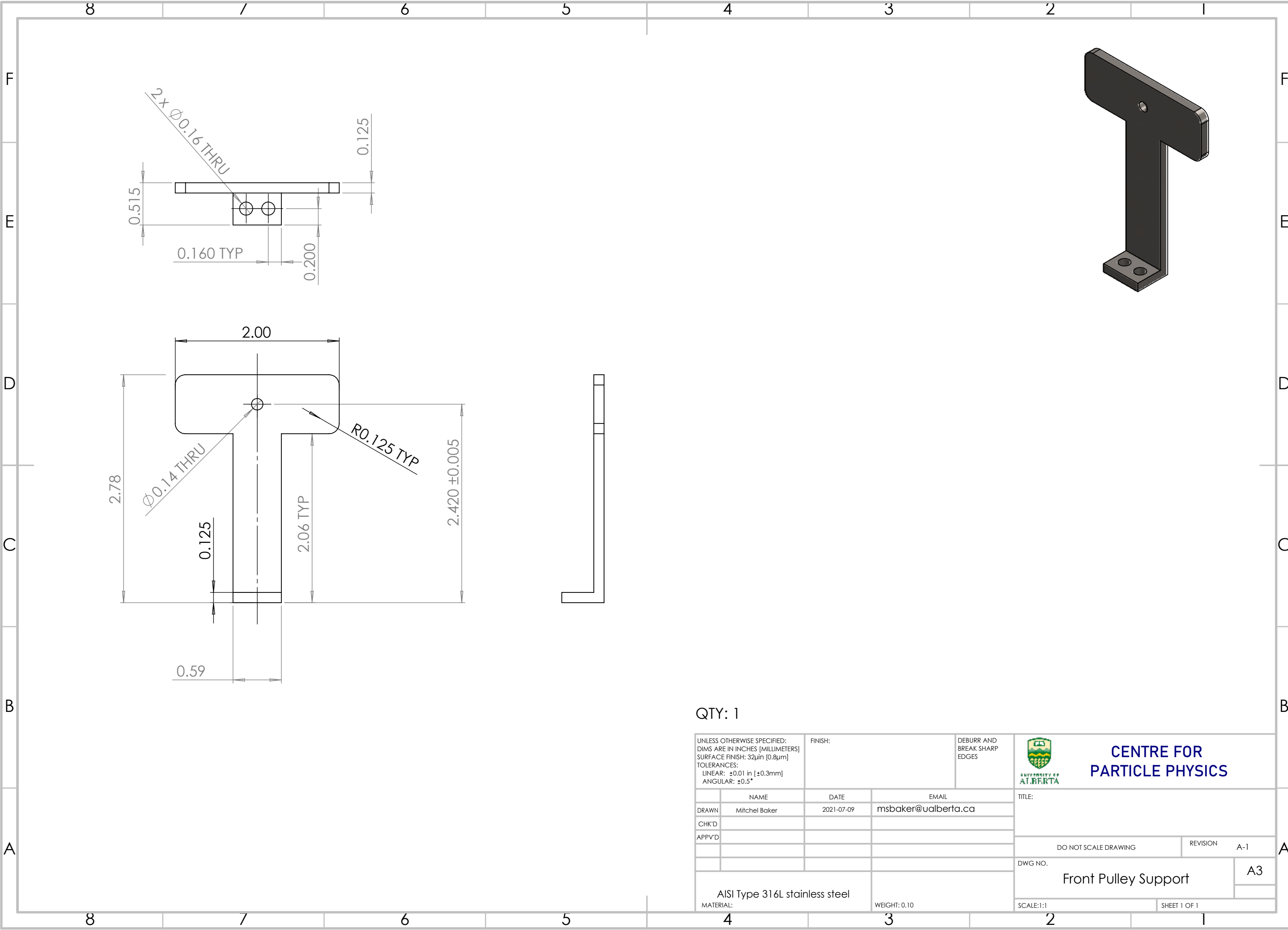


MATERIAL: STAINLESS 316L  
QUANTITY: ONE


ALL DIMENSIONS IN INCHES

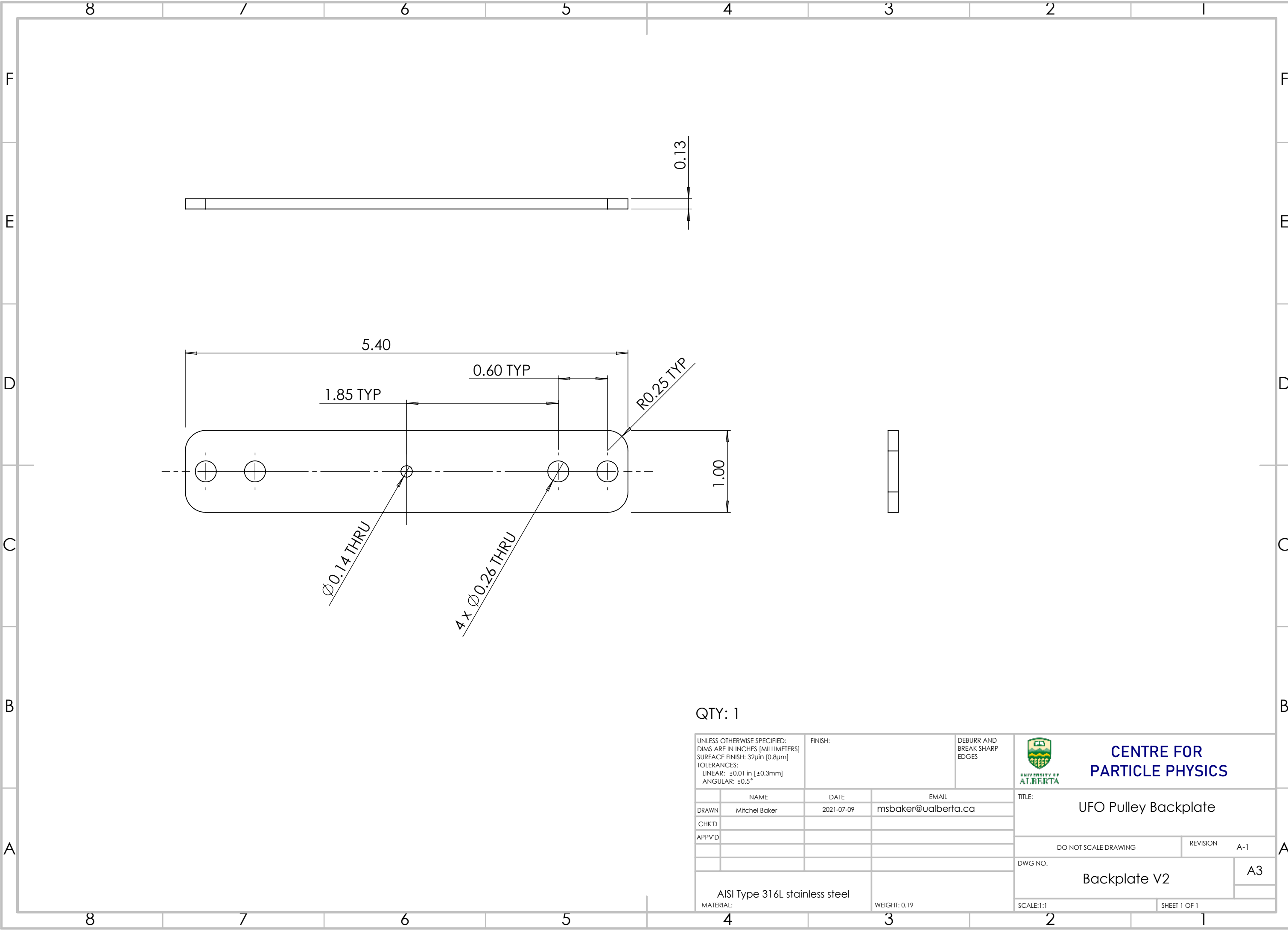
SCALE 2.000

ALL DIMENSIONS IN <b>mm</b> UNLESS OTHERWISE SPECIFIED					
TOLERANCES UNLESS OTHERWISE SPECIFIED:					
FRACTIONAL DIMENSIONS					
DECIMAL DIMENSIONS X ± .1 XX ± .05					
ANGULAR DIMENSIONS ± 1 °					
SURFACE FINISH 32um		REF. DWGS.	REV.	DATE	REVISION
UNIVERSITY OF ALBERTA		CENTER OF PARTICLE PHYSICS			
EDMONTON ALBERTA CANADA					
DESIGNED	CHRIS NG	PULLEY SUPPORT			
DRAWN	CHRIS NG				
CHECKED					
APPROVED					
		SCALE	APPROVAL	DWG. NO	REV.
		DATE	CHIEF		C
		MAR 29, 2017	ENG'R		




QTY: 1

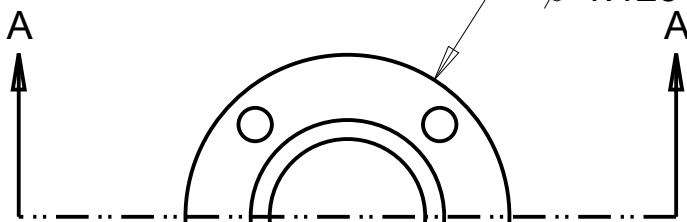
UNLESS OTHERWISE SPECIFIED: DIMS ARE IN INCHES [MILLIMETERS] SURFACE FINISH: 32µin [0.8µm] TOLERANCES: LINEAR: ±0.01 in [±0.3mm] ANGULAR: ±0.5°		FINISH:		DEBURR AND BREAK SHARP EDGES		 <b>CENTRE FOR PARTICLE PHYSICS</b>		
	NAME	DATE	EMAIL		TITLE:			
DRAWN	Mitchel Baker	2021-07-09	msbaker@ualberta.ca					
CHK'D								
APPV'D								
					DO NOT SCALE DRAWING		REVISION	A-1
					DWG NO.		A3	
AISI Type 316L stainless steel					Front Pulley Support			
MATERIAL:			WEIGHT: 0.10		SCALE:1:1		SHEET 1 OF 1	



QTY: 1

UNLESS OTHERWISE SPECIFIED: DIMS ARE IN INCHES [MILLIMETERS] SURFACE FINISH: 32µin [0.8µm] TOLERANCES: LINEAR: ±0.01 in [±0.3mm] ANGULAR: ±0.5°		FINISH:		DEBURR AND BREAK SHARP EDGES		 <b>CENTRE FOR PARTICLE PHYSICS</b>	
	NAME	DATE	EMAIL		TITLE:		
DRAWN	Mitchel Baker	2021-07-09	msbaker@ualberta.ca		UFO Pulley Backplate		
CHK'D							
APPV'D							
					DO NOT SCALE DRAWING		REVISION
							A-1
AISI Type 316L stainless steel			WEIGHT: 0.19		DWG NO.		A3
					Backplate V2		
MATERIAL:					SCALE: 1:1		SHEET 1 OF 1

4 3 2 1



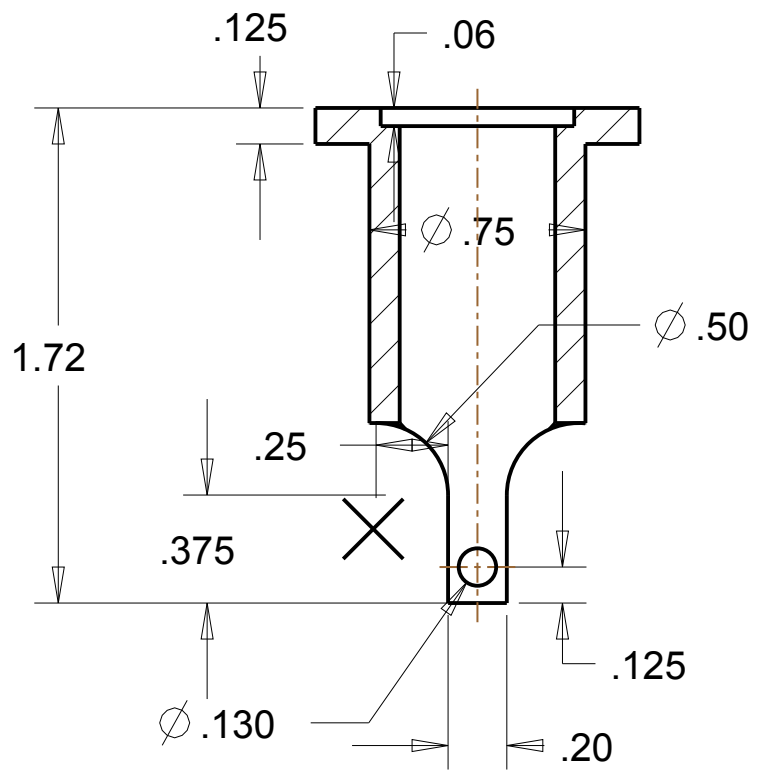
4 HOLES ON  
Ø 0.906 DBC

Ø .116

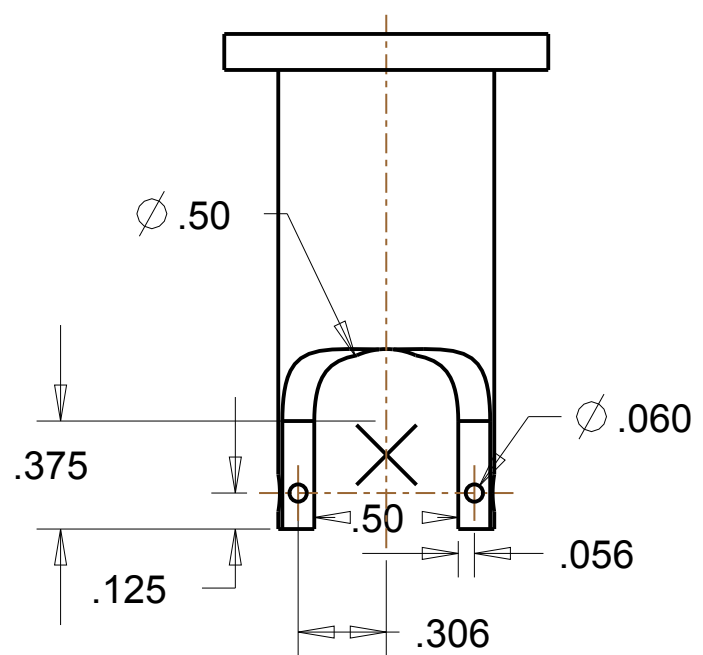
Ø .54

Ø .672

Ø 1.125



SECTION A-A  
SCALE 1.500

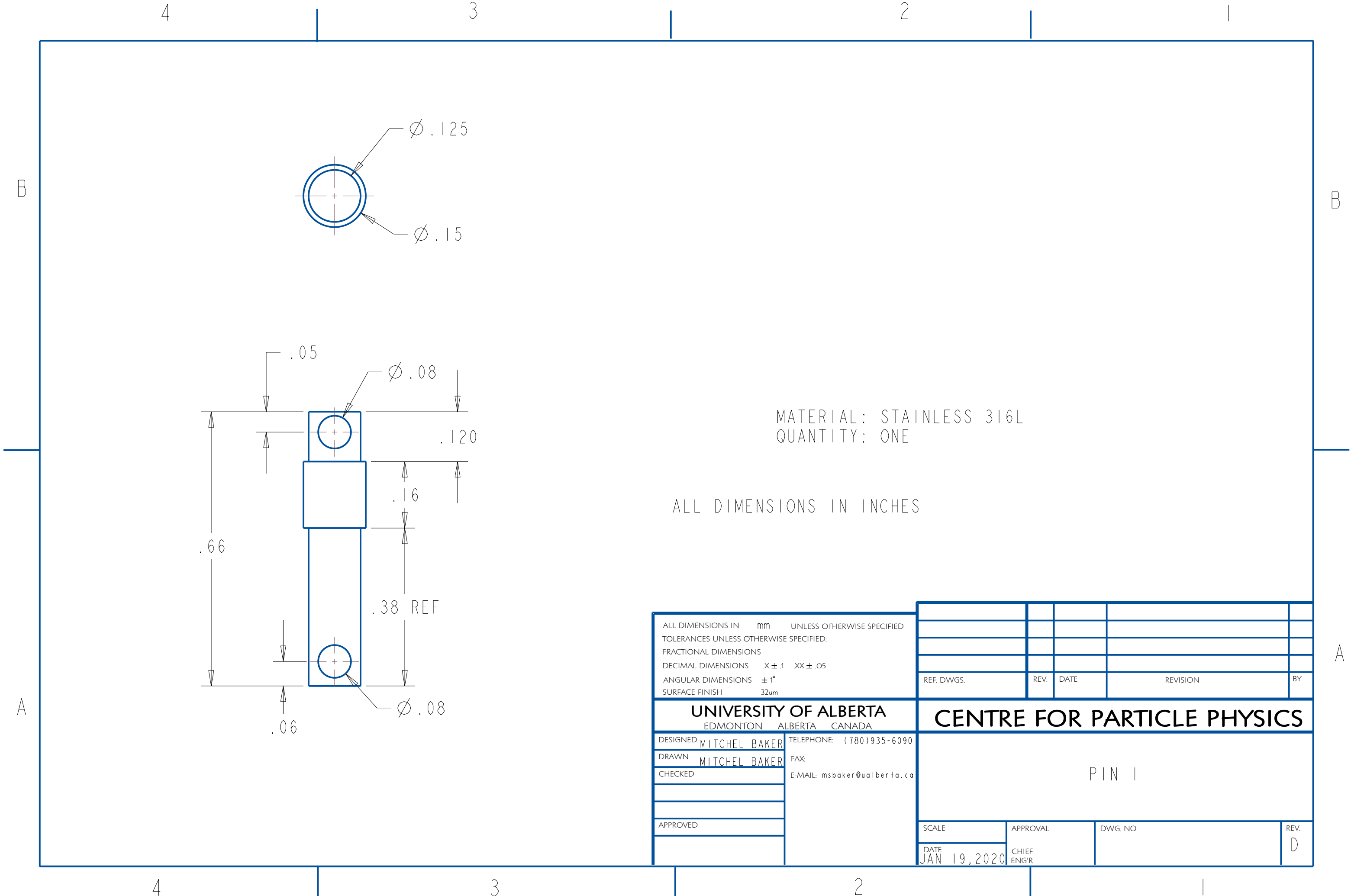


MATERIAL: STAINLESS 316L  
QUANTITY: ONE

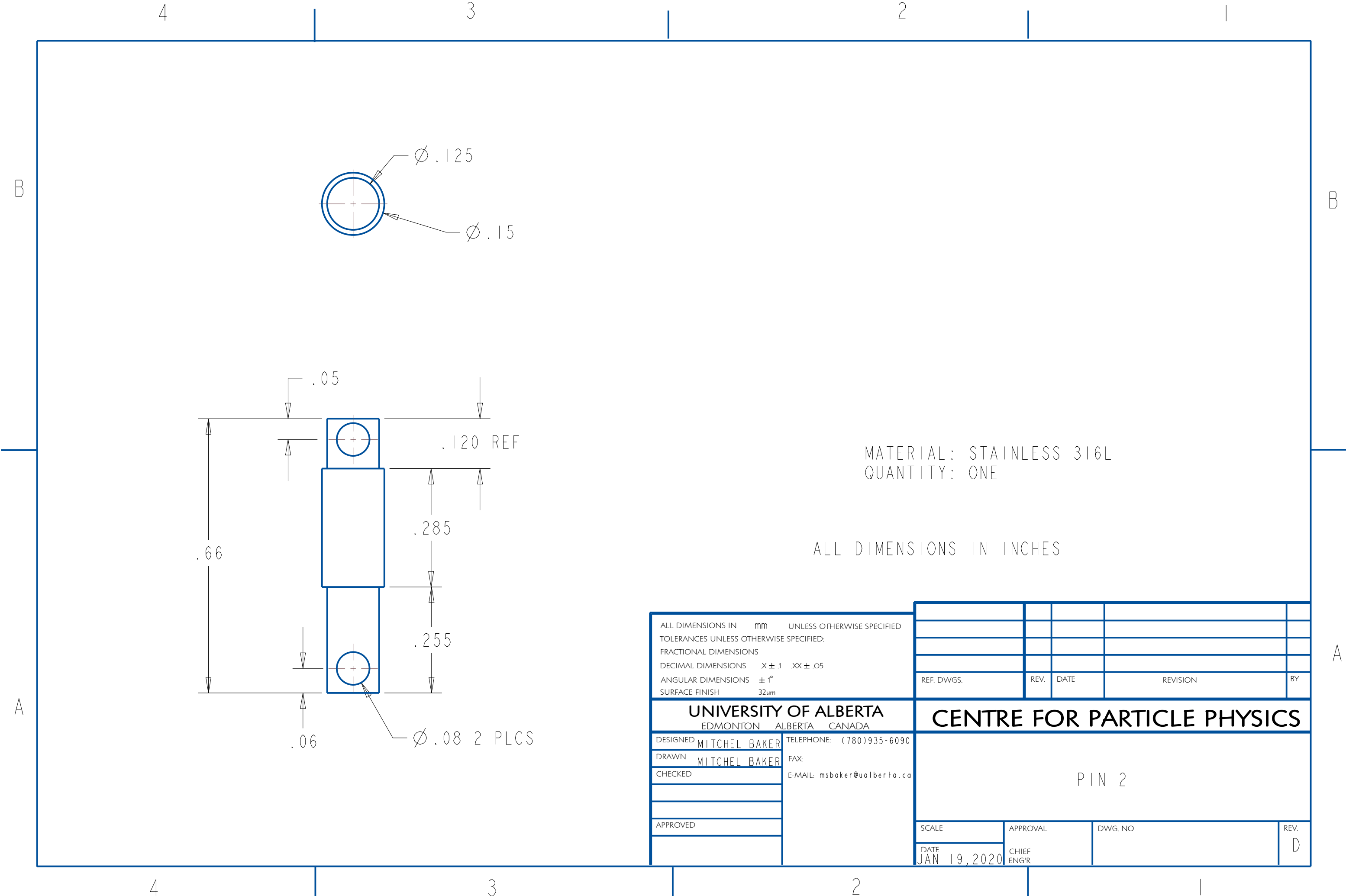
ALL DIMENSIONS IN INCHES

ALL DIMENSIONS IN mm UNLESS OTHERWISE SPECIFIED TOLERANCES UNLESS OTHERWISE SPECIFIED: FRACTIONAL DIMENSIONS DECIMAL DIMENSIONS X ± .1 XX ± .05 ANGULAR DIMENSIONS ± 1 ° SURFACE FINISH 32um					
UNIVERSITY OF ALBERTA EDMONTON ALBERTA CANADA		REF. DWGS.	REV.	DATE	REVISION
DESIGNED CHRIS NG	TELEPHONE: (780) 492 5979	CENTER OF PARTICLE PHYSICS  PULLEY FLANGE			
DRAWN CHRIS NG	FAX: (780) 492 3408				
CHECKED	E-MAIL: cjang@ualberta.ca				
APPROVED		SCALE	APPROVAL	DWG. NO	REV.
		DATE SEP 8,2017	CHIEF ENG'R		E

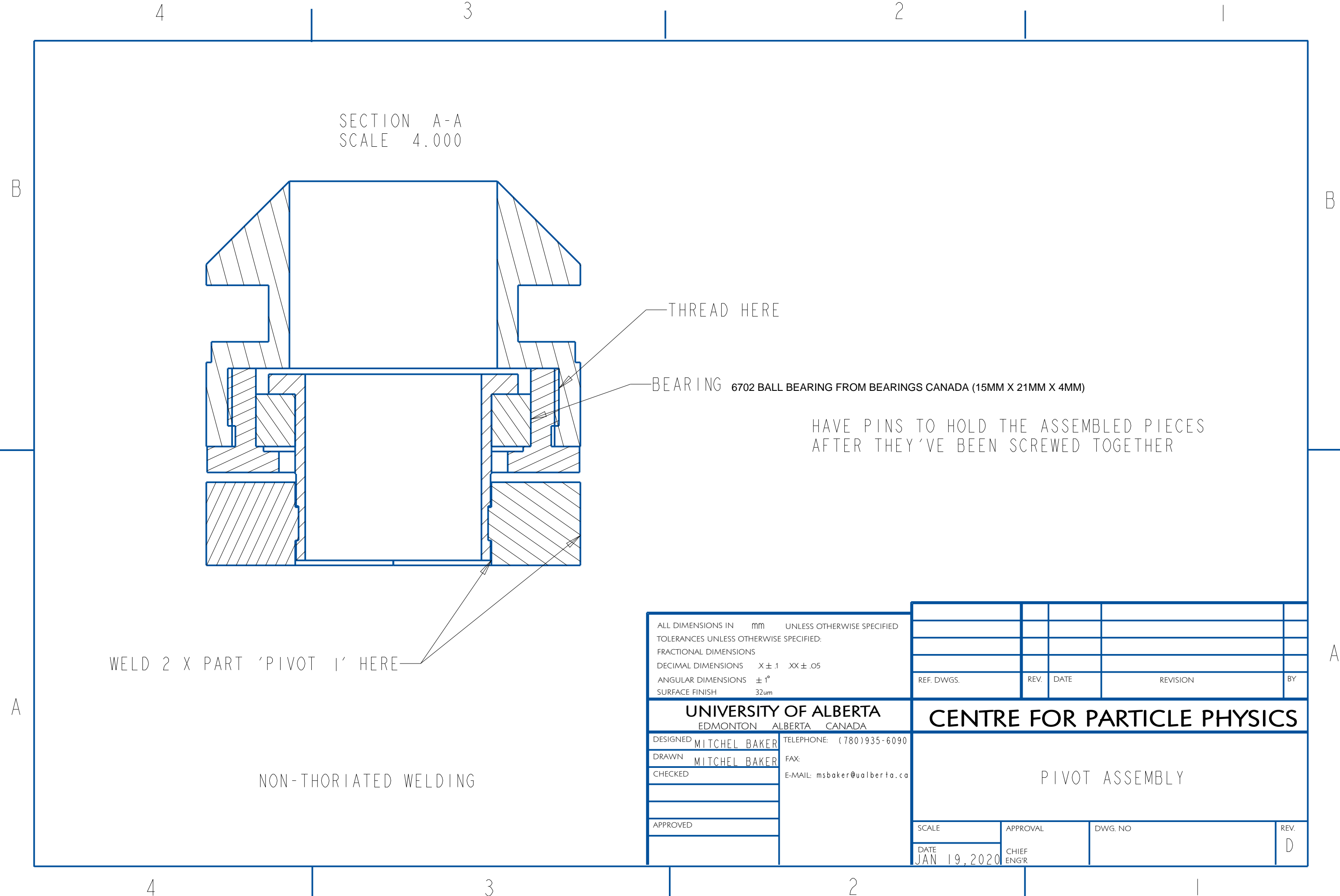
4 3 2 1

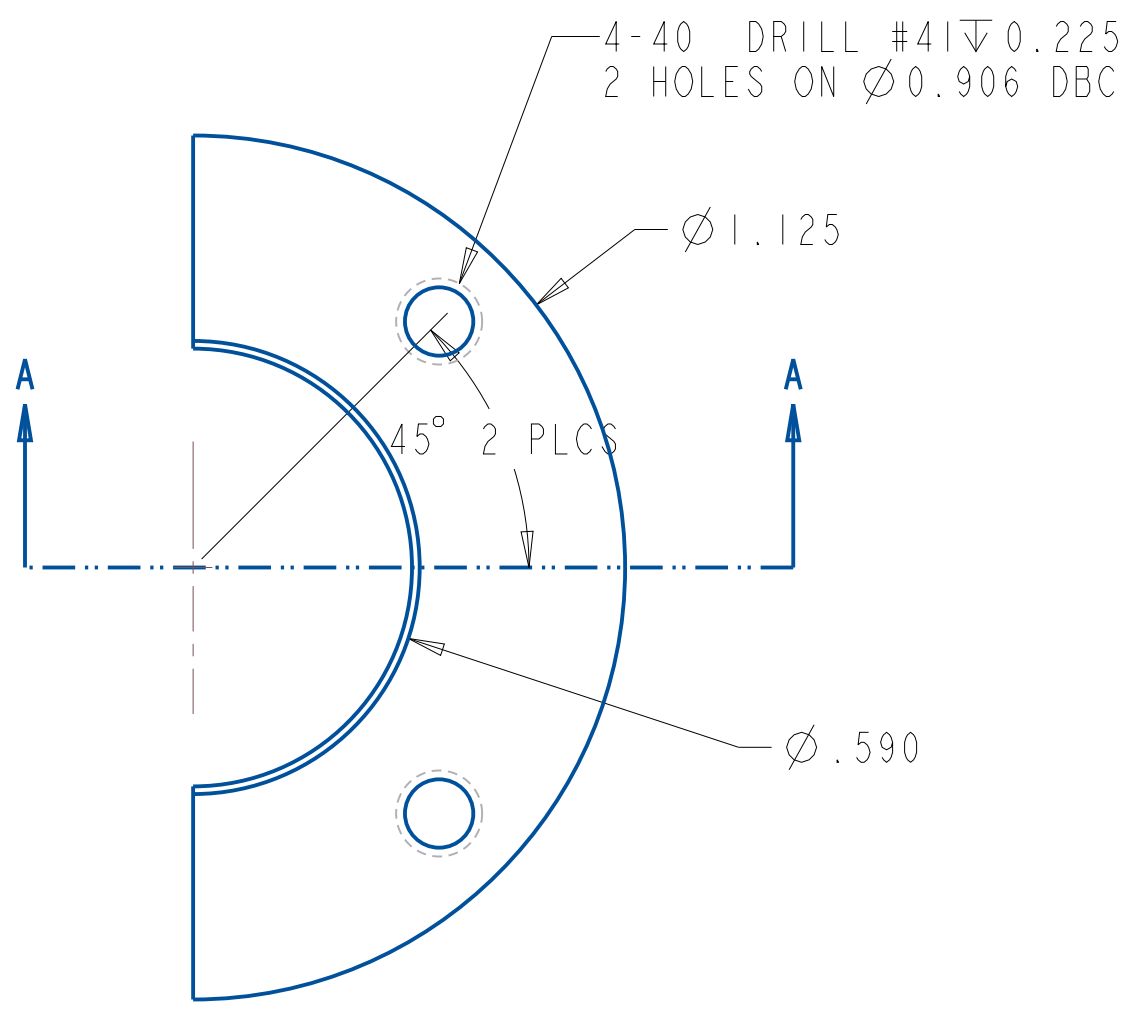


ALL DIMENSIONS IN mm UNLESS OTHERWISE SPECIFIED					
TOLERANCES UNLESS OTHERWISE SPECIFIED:					
FRACTIONAL DIMENSIONS					
DECIMAL DIMENSIONS X ± .1 XX ± .05					
ANGULAR DIMENSIONS ± 1°					
SURFACE FINISH 32um					
UNIVERSITY OF ALBERTA		CENTRE FOR PARTICLE PHYSICS			
EDMONTON ALBERTA CANADA					
DESIGNED MITCHEL BAKER	TELEPHONE: (780)935-6090	PIN 1			
DRAWN MITCHEL BAKER	FAX:				
CHECKED	E-MAIL: msbaker@ualberta.ca				
APPROVED					
SCALE		APPROVAL		DWG. NO	
DATE JAN 19, 2020		CHIEF ENG'R		REV. D	





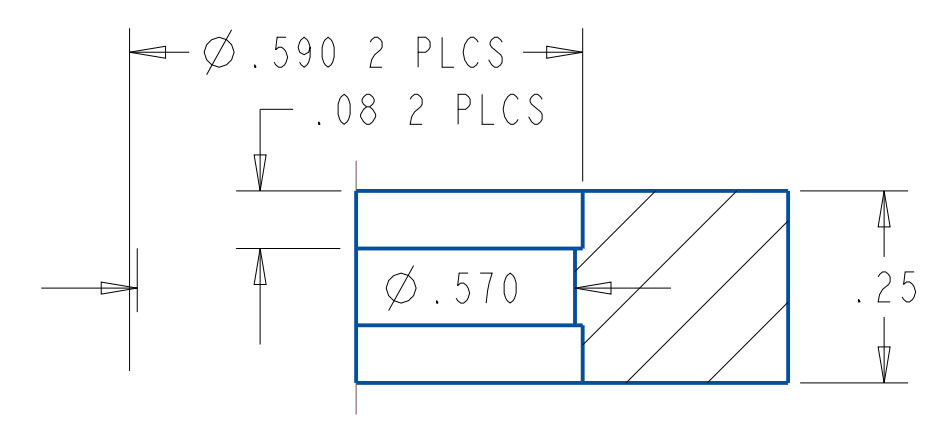




SCALE 4.000

MATERIAL: STAINLESS 316L  
QUANTITY: TWO  
  
MACHINE FULL DIAMETER PART  
THEN SAWCUT INTO TWO HALVES

ALL DIMENSIONS IN INCHES



SECTION A-A

ALL DIMENSIONS IN mm UNLESS OTHERWISE SPECIFIED	
TOLERANCES UNLESS OTHERWISE SPECIFIED:	
FRACTIONAL DIMENSIONS	
DECIMAL DIMENSIONS	X ± .1 XX ± .05
ANGULAR DIMENSIONS	± 1°
SURFACE FINISH	32um
UNIVERSITY OF ALBERTA	
EDMONTON ALBERTA CANADA	
DESIGNED MITCHEL BAKER	TELEPHONE: (780)935-6090
DRAWN MITCHEL BAKER	FAX:
CHECKED	E-MAIL: msbaker@ualberta.ca
APPROVED	

REF. DWGS.	REV.	DATE	REVISION	BY
CENTRE FOR PARTICLE PHYSICS				
PIVOT I				
SCALE	APPROVAL	DWG. NO	REV.	
DATE JAN 19, 2020	CHIEF ENG'R		D	

4

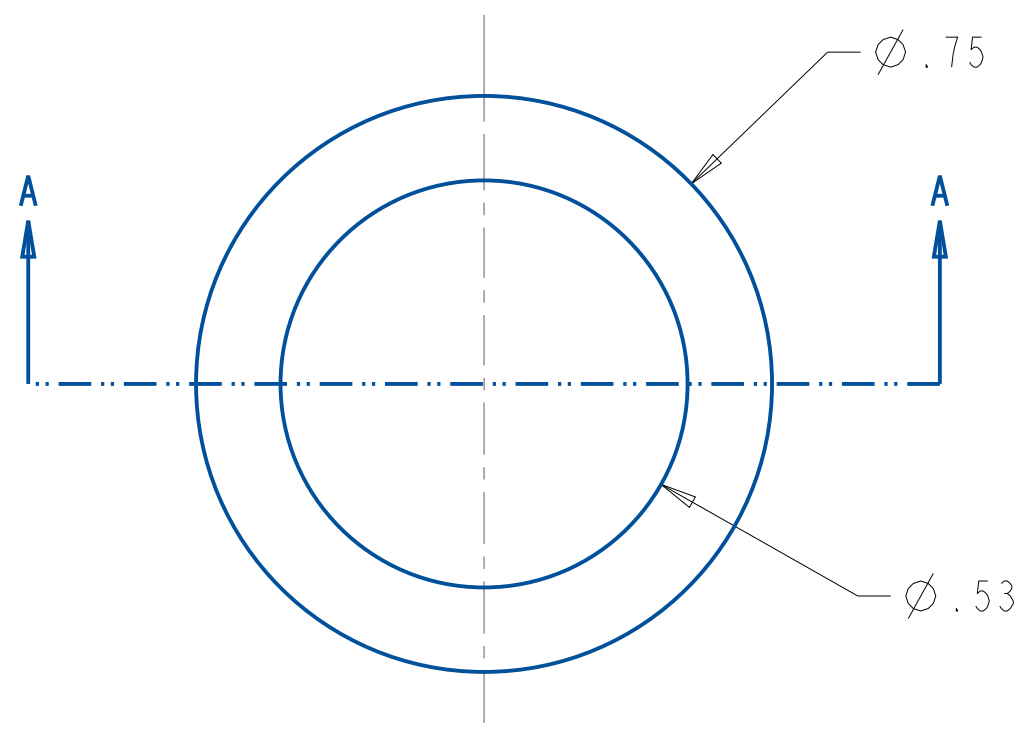
3

2

1

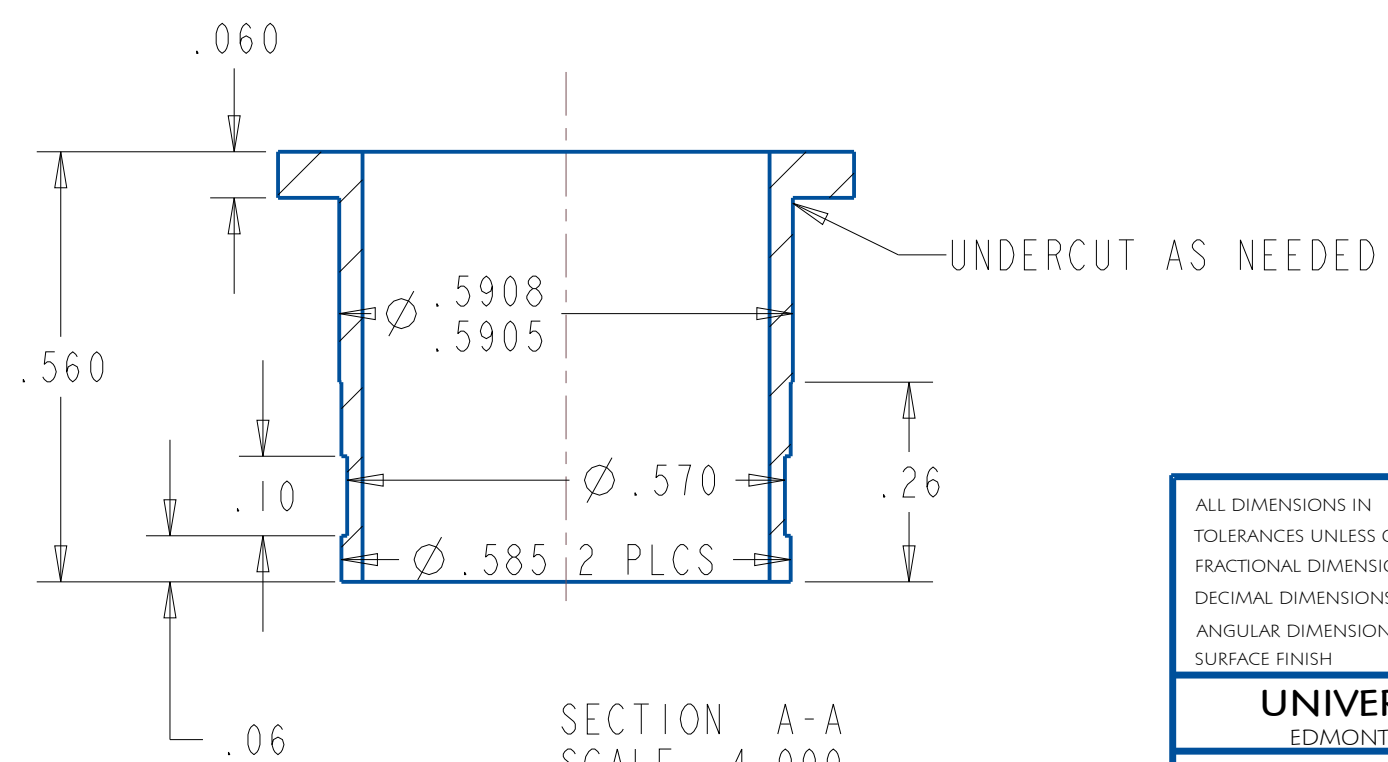
B

B



MATERIAL: STAINLESS 316L  
QUANTITY: ONE

ALL DIMENSIONS IN INCHES



A

A

ALL DIMENSIONS IN mm UNLESS OTHERWISE SPECIFIED					
TOLERANCES UNLESS OTHERWISE SPECIFIED:					
FRACTIONAL DIMENSIONS					
DECIMAL DIMENSIONS X ± .1 XX ± .05					
ANGULAR DIMENSIONS ± 1°					
SURFACE FINISH 32um					
UNIVERSITY OF ALBERTA		CENTRE FOR PARTICLE PHYSICS			
EDMONTON ALBERTA CANADA					
DESIGNED MITCHEL BAKER	TELEPHONE: (780)935-6090	PIVOT 2			
DRAWN MITCHEL BAKER	FAX:				
CHECKED	E-MAIL: msbaker@ualberta.ca				
APPROVED		SCALE		APPROVAL	DWG. NO
		DATE JAN 19, 2020		CHIEF ENG'R	REV. D

4

3

2

1

4

3

2

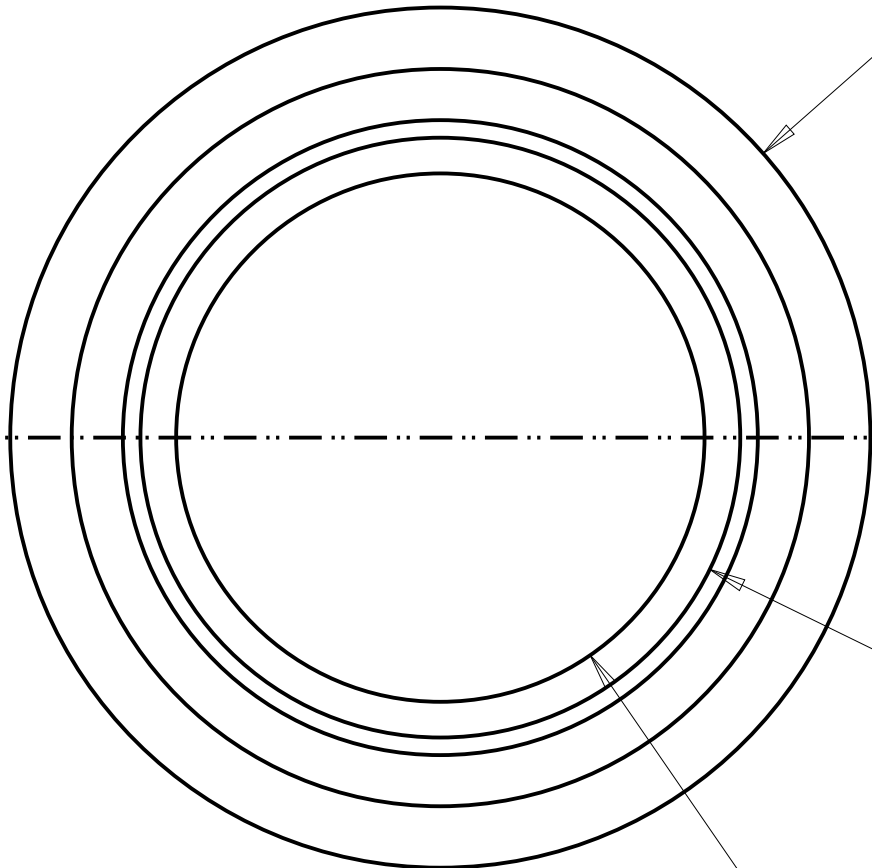
1

B

B

A

A



Ø 1.120

Ø .781

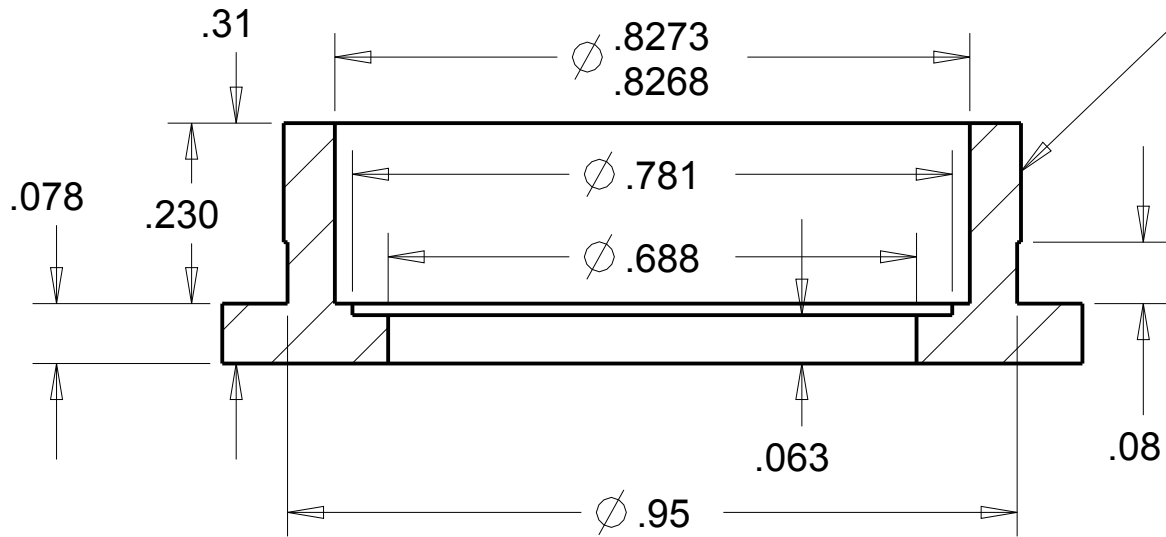
Ø .688

SCALE 4.000

1-32UN-2A THREAD TABLE	
MAJOR Ø	0.9989
	0.9929
PITCH Ø	0.9786
	0.9748
MINOR Ø	0.9600

MATERIAL: STAINLESS 316L  
QUANTITY: ONE

ALL DIMENSIONS IN INCHES



SECTION A-A

1-32UN EXTERNAL THREAD  
SEE THREAD TABLE

ALL DIMENSIONS IN <b>mm</b> UNLESS OTHERWISE SPECIFIED TOLERANCES UNLESS OTHERWISE SPECIFIED: FRACTIONAL DIMENSIONS DECIMAL DIMENSIONS X ± .1 XX ± .05 ANGULAR DIMENSIONS ± 1 ° SURFACE FINISH 32um					
		REF. DWGS.	REV.	DATE	REVISION BY
UNIVERSITY OF ALBERTA EDMONTON ALBERTA CANADA		CENTER OF PARTICLE PHYSICS			
DESIGNED	CHRIS NG	PIVOT 3			
DRAWN	CHRIS NG				
CHECKED					
APPROVED					
		SCALE	APPROVAL	DWG. NO	REV.
		DATE SEP 8, 2017	CHIEF ENG'R		D

A

A

4

3

2

1

4

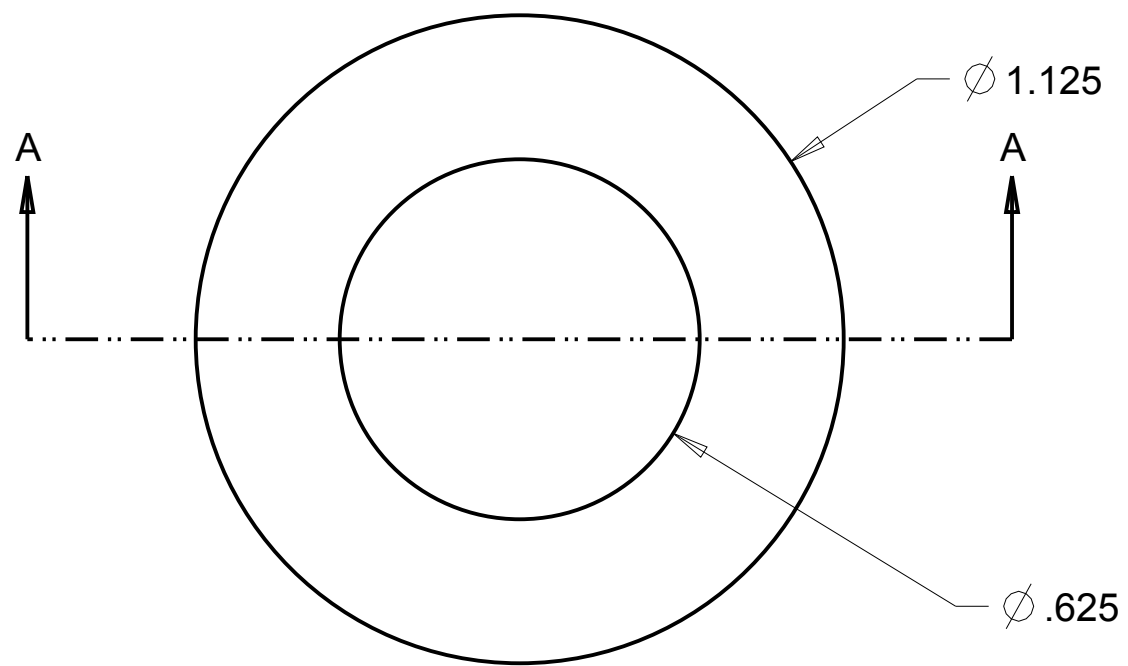
3

2

1

B

B



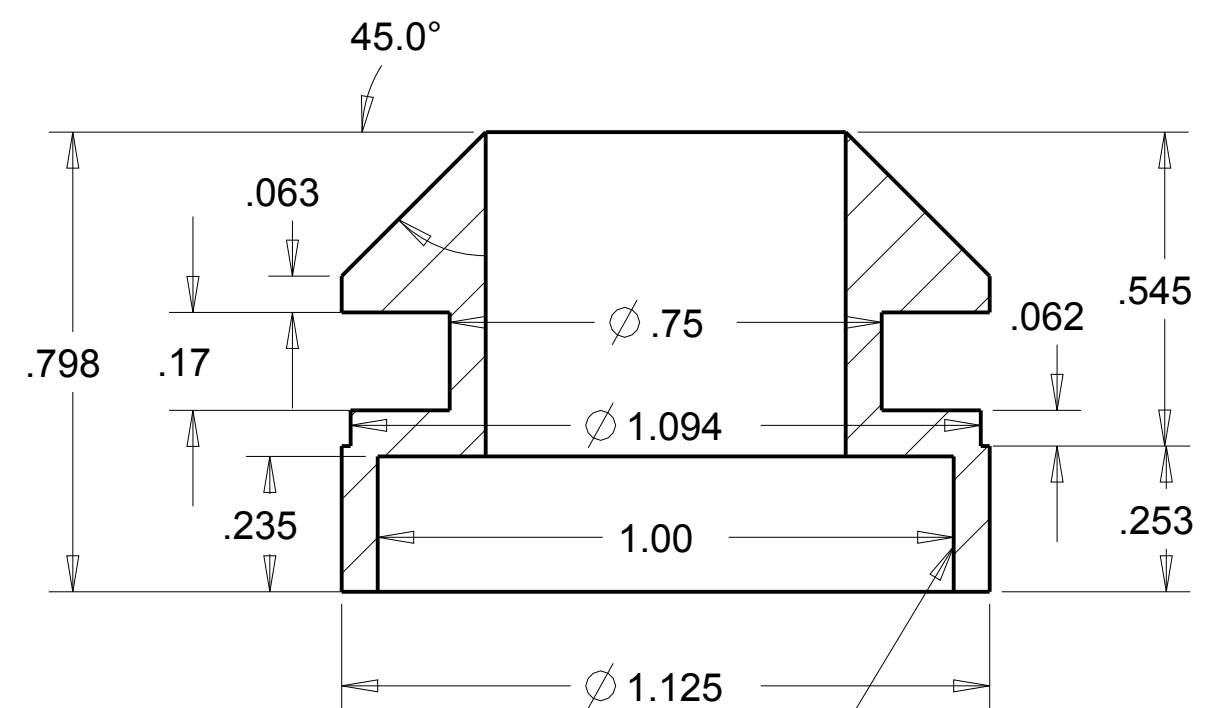
9/16-32UN-2B THREAD TABLE	
MINOR $\varnothing$	0.9660
	0.9740
PITCH $\varnothing$	0.9797
	0.9846

MATERIAL: STAINLESS 316L  
QUANTITY: ONE

ALL DIMENSIONS IN INCHES

A

A



1-32UN INTERNAL THREAD  
SEE THREAD TABLE

SECTION A-A  
SCALE 3.000

ALL DIMENSIONS IN mm UNLESS OTHERWISE SPECIFIED	
TOLERANCES UNLESS OTHERWISE SPECIFIED:	
FRACTIONAL DIMENSIONS	
DECIMAL DIMENSIONS	X ± .1 XX ± .05
ANGULAR DIMENSIONS	± 1 °
SURFACE FINISH	32um

UNIVERSITY OF ALBERTA  
EDMONTON ALBERTA CANADA

DESIGNED	CHRIS NG	TELEPHONE:	(780) 492 5979
DRAWN	CHRIS NG	FAX:	(780) 492 3408
CHECKED		E-MAIL:	cjng@ualberta.ca
APPROVED			

REF. DWGS.	REV.	DATE	REVISION	BY

CENTER OF PARTICLE PHYSICS

PIVOT 4

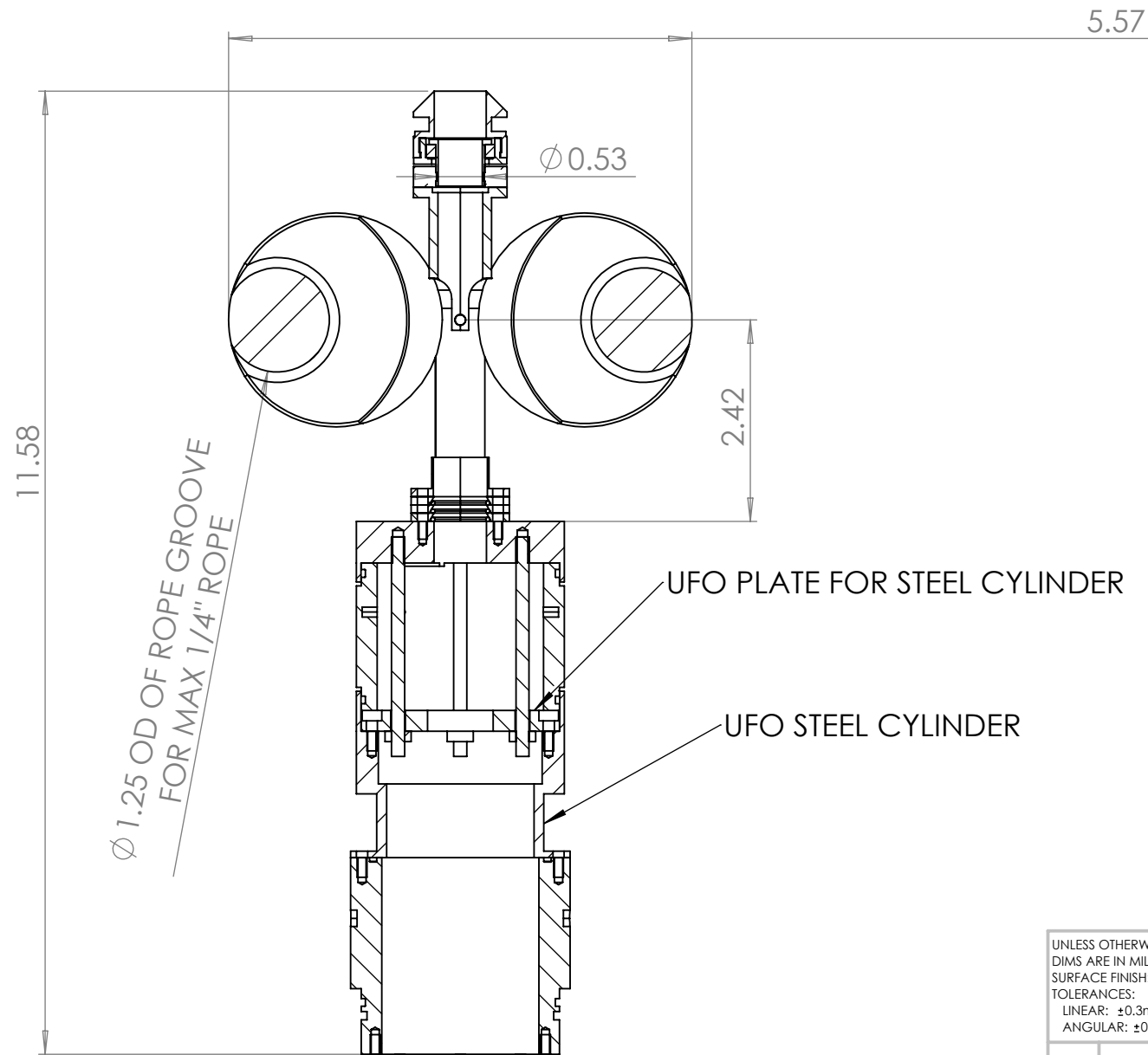
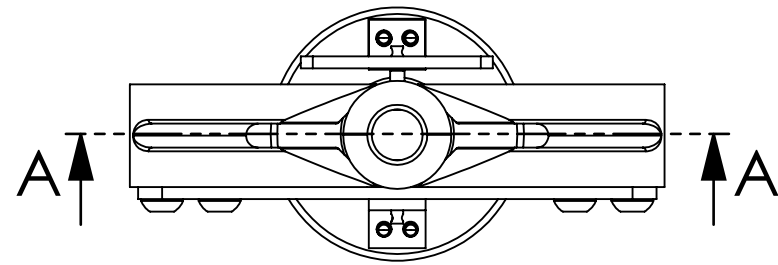
SCALE	APPROVAL	DWG. NO	REV.
DATE SEP 8, 2017	CHIEF ENG'R		D

4


3

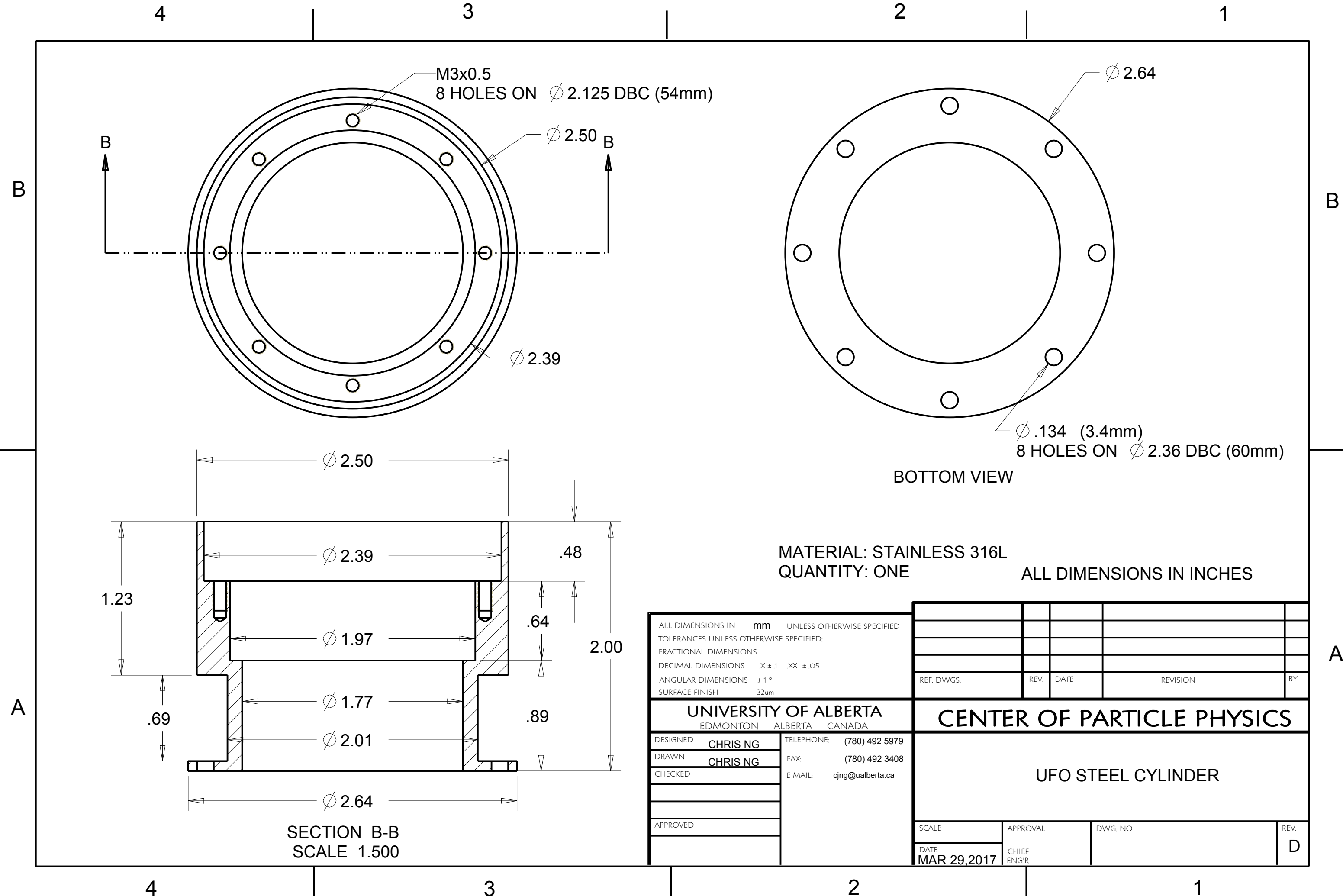
2

1



SECTION A-A

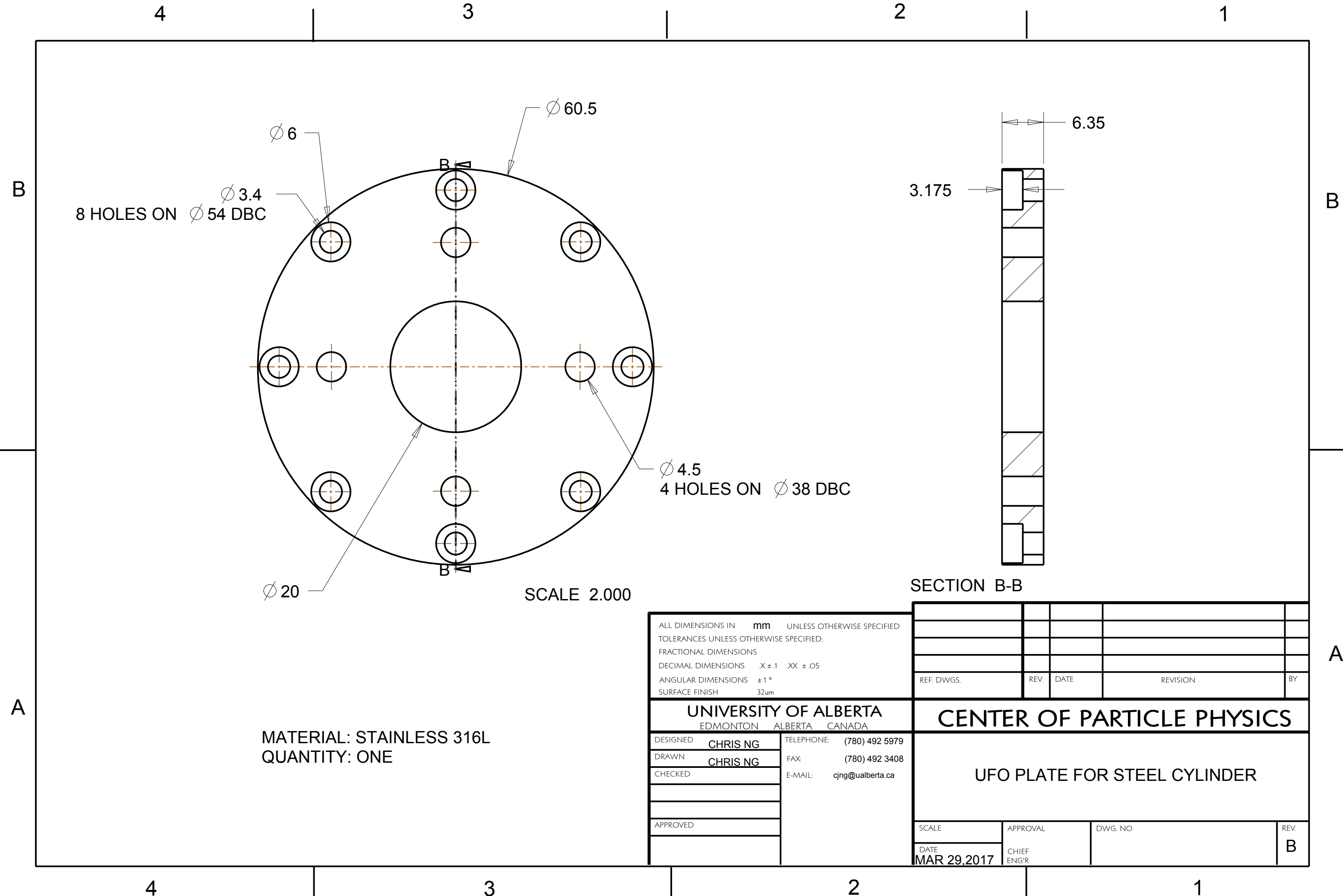
UNLESS OTHERWISE SPECIFIED: DIMS ARE IN MILLIMETERS [INCHES] SURFACE FINISH: 0.8µm [32µin] TOLERANCES: LINEAR: ±0.3mm [±0.01 in] ANGULAR: ±0.5°		FINISH:		DEBURR AND BREAK SHARP EDGES		 <div>CENTRE FOR PARTICLE PHYSICS</div>
	NAME	DATE	EMAIL		TITLE:	
DRAWN	Mitchel Baker	2021-07-09	msbaker@ualberta.ca		SOURCE CONNECTOR ASSEMBLY WITH PULLEY	
CHK'D						
APPV'D						
				DO NOT SCALE DRAWING		REVISION A-1
				DWG NO.		A3
				UFO Pulley Assembly		
MATERIAL:		WEIGHT:		SCALE: 1:2		SHEET 2 OF 2



ALL DIMENSIONS IN mm UNLESS OTHERWISE SPECIFIED  
TOLERANCES UNLESS OTHERWISE SPECIFIED:  
FRACTIONAL DIMENSIONS  
DECIMAL DIMENSIONS X ± .1 XX ± .05  
ANGULAR DIMENSIONS ± 1°  
SURFACE FINISH 32um

UNIVERSITY OF ALBERTA	
EDMONTON ALBERTA CANADA	
DESIGNED	CHRIS NG
DRAWN	CHRIS NG
CHECKED	
APPROVED	
TELEPHONE: (780) 492 5979	
FAX: (780) 492 3408	
E-MAIL: cjang@ualberta.ca	

REF. DWGS.	REV.	DATE	REVISION	BY
CENTER OF PARTICLE PHYSICS				
UFO STEEL CYLINDER				
SCALE	APPROVAL	DWG. NO	REV.	
DATE MAR 29, 2017	CHIEF ENG'R		D	



8 HOLES ON  $\varnothing 54$  DBC

$\varnothing 4.5$   
4 HOLES ON  $\varnothing 38$  DBC

3.175

6.35

SCALE 2.000

SECTION B-B

MATERIAL: STAINLESS 316L  
QUANTITY: ONE

ALL DIMENSIONS IN **mm** UNLESS OTHERWISE SPECIFIED  
TOLERANCES UNLESS OTHERWISE SPECIFIED:  
FRACTIONAL DIMENSIONS  
DECIMAL DIMENSIONS X  $\pm .1$  XX  $\pm .05$   
ANGULAR DIMENSIONS  $\pm 1^\circ$   
SURFACE FINISH 32um

**UNIVERSITY OF ALBERTA**  
EDMONTON ALBERTA CANADA

DESIGNED	CHRIS NG	TELEPHONE:	(780) 492 5979
DRAWN	CHRIS NG	FAX:	(780) 492 3408
CHECKED		E-MAIL:	cjng@ualberta.ca
APPROVED			

REF. DWGS.	REV.	DATE	REVISION	BY

**CENTER OF PARTICLE PHYSICS**

**UFO PLATE FOR STEEL CYLINDER**

SCALE	APPROVAL	DWG. NO	REV.
DATE MAR 29, 2017	CHIEF ENG'R		B