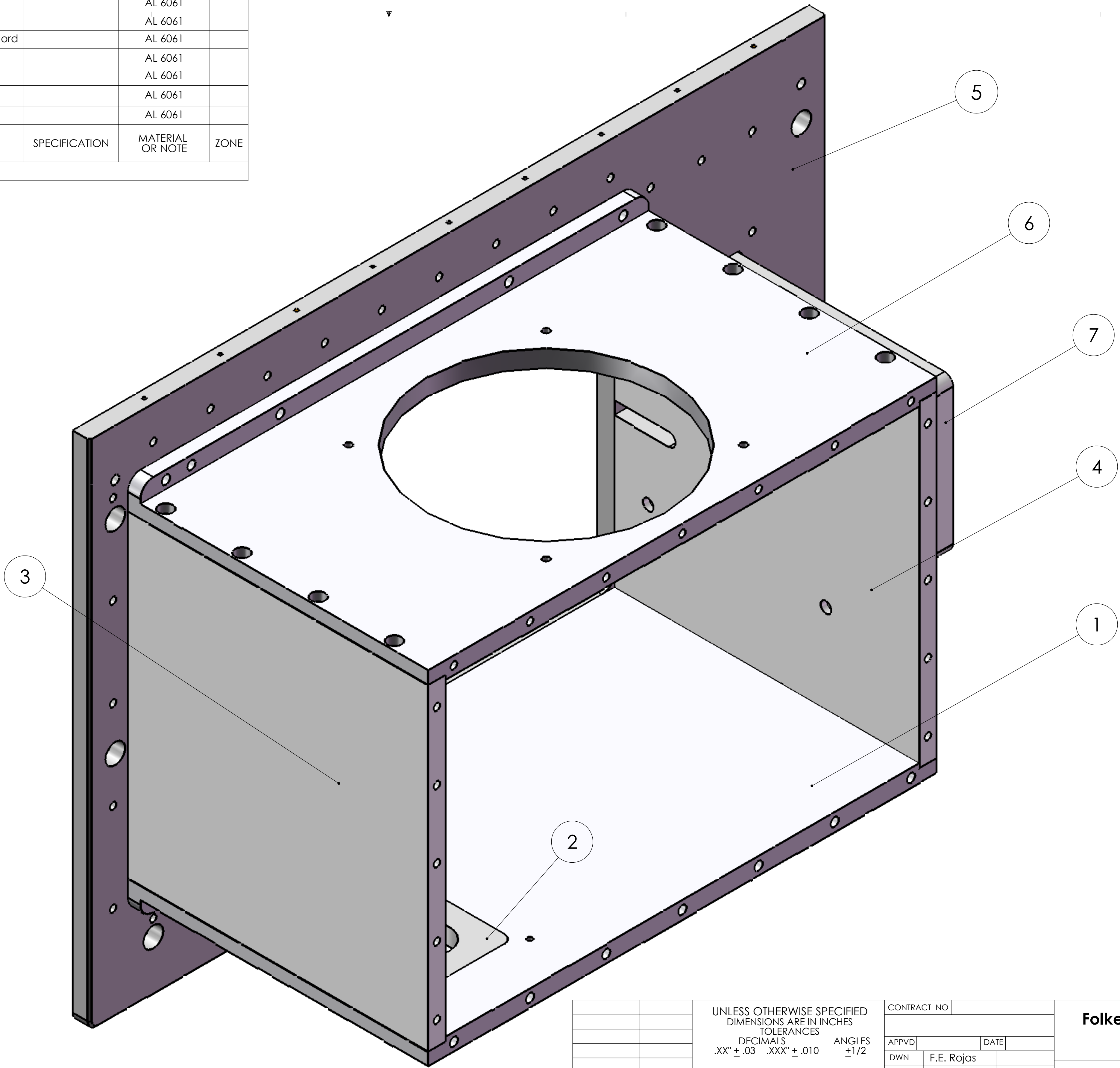
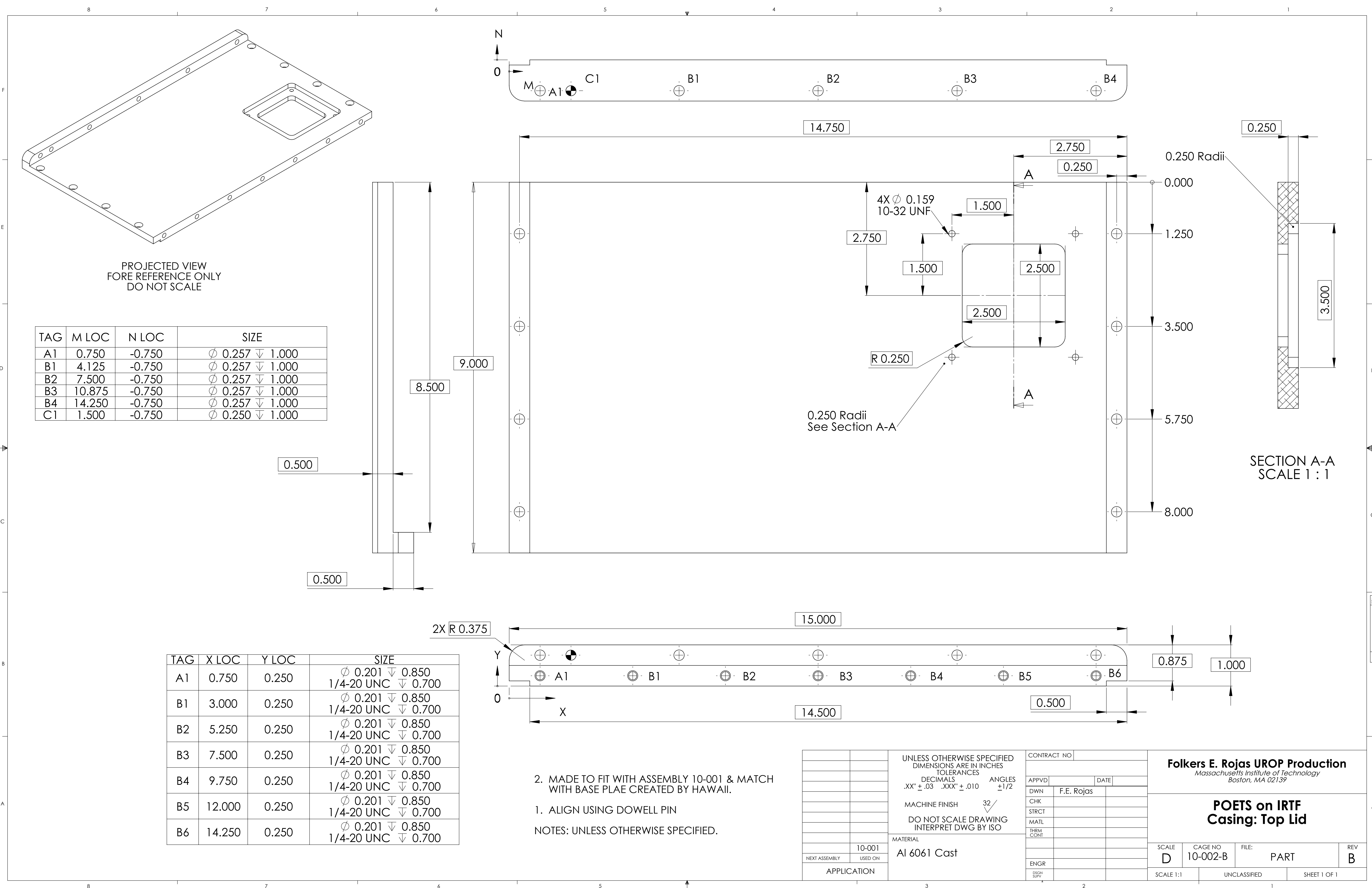


	1	8		10-009	P_C_Access Cover v1	Not showned in picture		AL 6061	
	1	7		10-007	P_C_Left Lid Cover v1			AL 6061	
	1	6		10-006	P_C_Bottom Lid v1			AL 6061	
	1	5		-	P_Base Plate	Made by Hawaii, all drawings on Record		AL 6061	
	1	4		10-005	P_C_Left Lid v1			AL 6061	
	1	3		10-004	P_C_Right Lid v1			AL 6061	
	1	2		10-003	P_C_Top Lid Electronics Cap v1			AL 6061	
	1	1		10-002	P_C_Top Lid v1			AL 6061	
		ITEM NO.	REF DES	CAGE NO.	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	SPECIFICATION	MATERIAL OR NOTE	ZONE
PARTS LIST									



4. ALIGN USING DOWELL PINS
3. ENSURE ALL GROOVES ARE FREE OF CHIPS
2. REMOVE ALL BURRS AND SHARP EDGES 0.003 TO 0.010.
1. ASSEMBLE TO FIT
- NOTES: UNLESS OTHERWISE SPECIFIED

		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES DECIMALS ANGLES .XX" ± .03 .XXX" ± .010 ±1/2 MACHINE FINISH 32✓ DO NOT SCALE DRAWING INTERPRET DWG BY ISO	CONTRACT NO		Folkers E. Rojas UROP Production <i>Massachusetts Institute of Technology Boston, MA 02139</i>						
			APPVD						DATE		
			DWN	F.E. Rojas		POETS on IRTF Casing Assembly					
			CHK								
			STRCT								
		MATL									
		THRM CONT									
		MATERIAL			SCALE D				CAGE NO 10-001-B	FILE: ASSEMBLY	REV B
	10-999										
NEXT ASSEMBLY	USED ON										
APPLICATION			ENGR								
		DGSN SUPV									

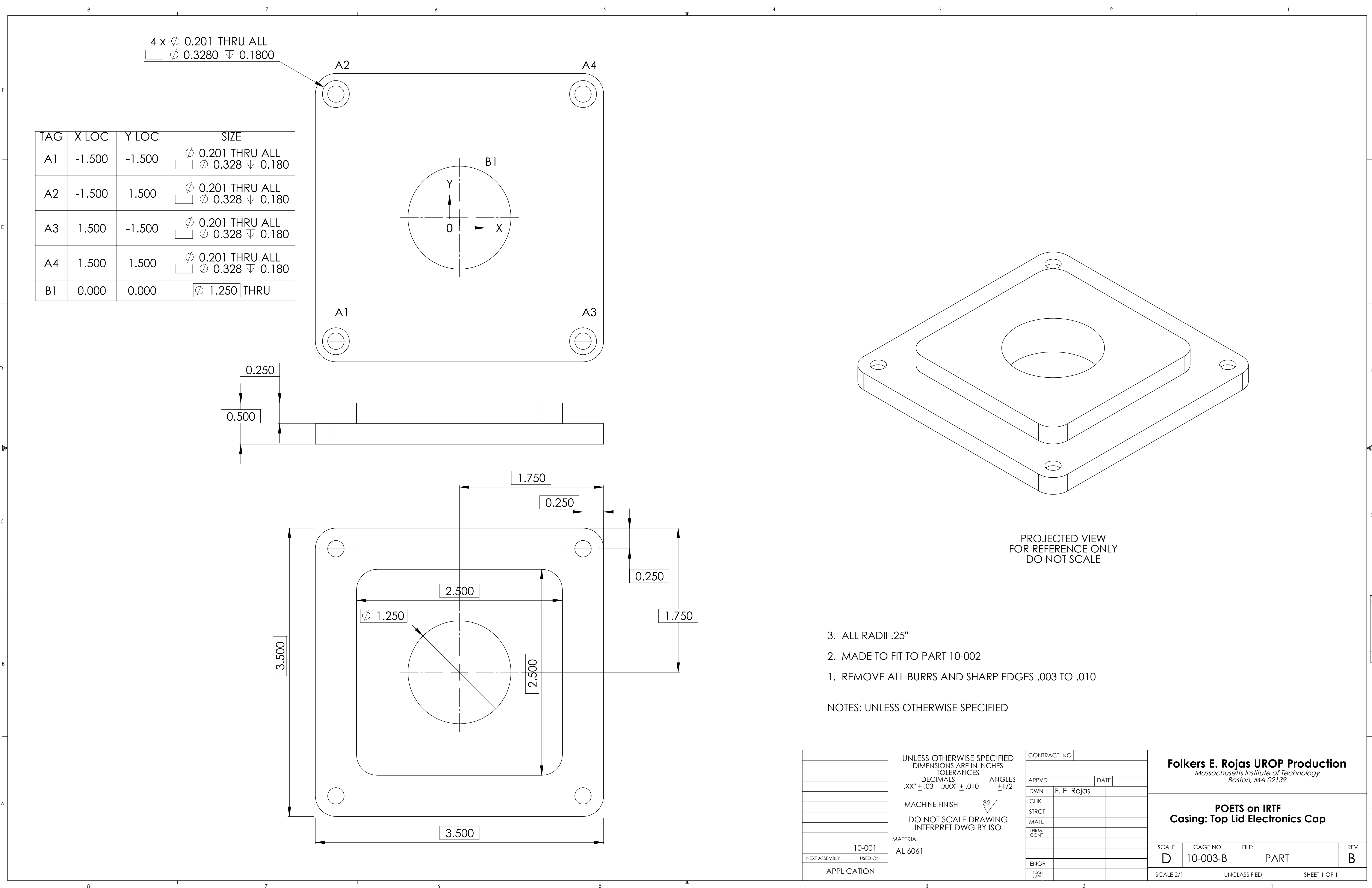


TAG	M LOC	N LOC	SIZE
A1	0.750	-0.750	\varnothing 0.257 ∇ 1.000
B1	4.125	-0.750	\varnothing 0.257 ∇ 1.000
B2	7.500	-0.750	\varnothing 0.257 ∇ 1.000
B3	10.875	-0.750	\varnothing 0.257 ∇ 1.000
B4	14.250	-0.750	\varnothing 0.257 ∇ 1.000
C1	1.500	-0.750	\varnothing 0.250 ∇ 1.000

TAG	X LOC	Y LOC	SIZE
A1	0.750	0.250	\varnothing 0.201 ∇ 0.850 1/4-20 UNC ∇ 0.700
B1	3.000	0.250	\varnothing 0.201 ∇ 0.850 1/4-20 UNC ∇ 0.700
B2	5.250	0.250	\varnothing 0.201 ∇ 0.850 1/4-20 UNC ∇ 0.700
B3	7.500	0.250	\varnothing 0.201 ∇ 0.850 1/4-20 UNC ∇ 0.700
B4	9.750	0.250	\varnothing 0.201 ∇ 0.850 1/4-20 UNC ∇ 0.700
B5	12.000	0.250	\varnothing 0.201 ∇ 0.850 1/4-20 UNC ∇ 0.700
B6	14.250	0.250	\varnothing 0.201 ∇ 0.850 1/4-20 UNC ∇ 0.700

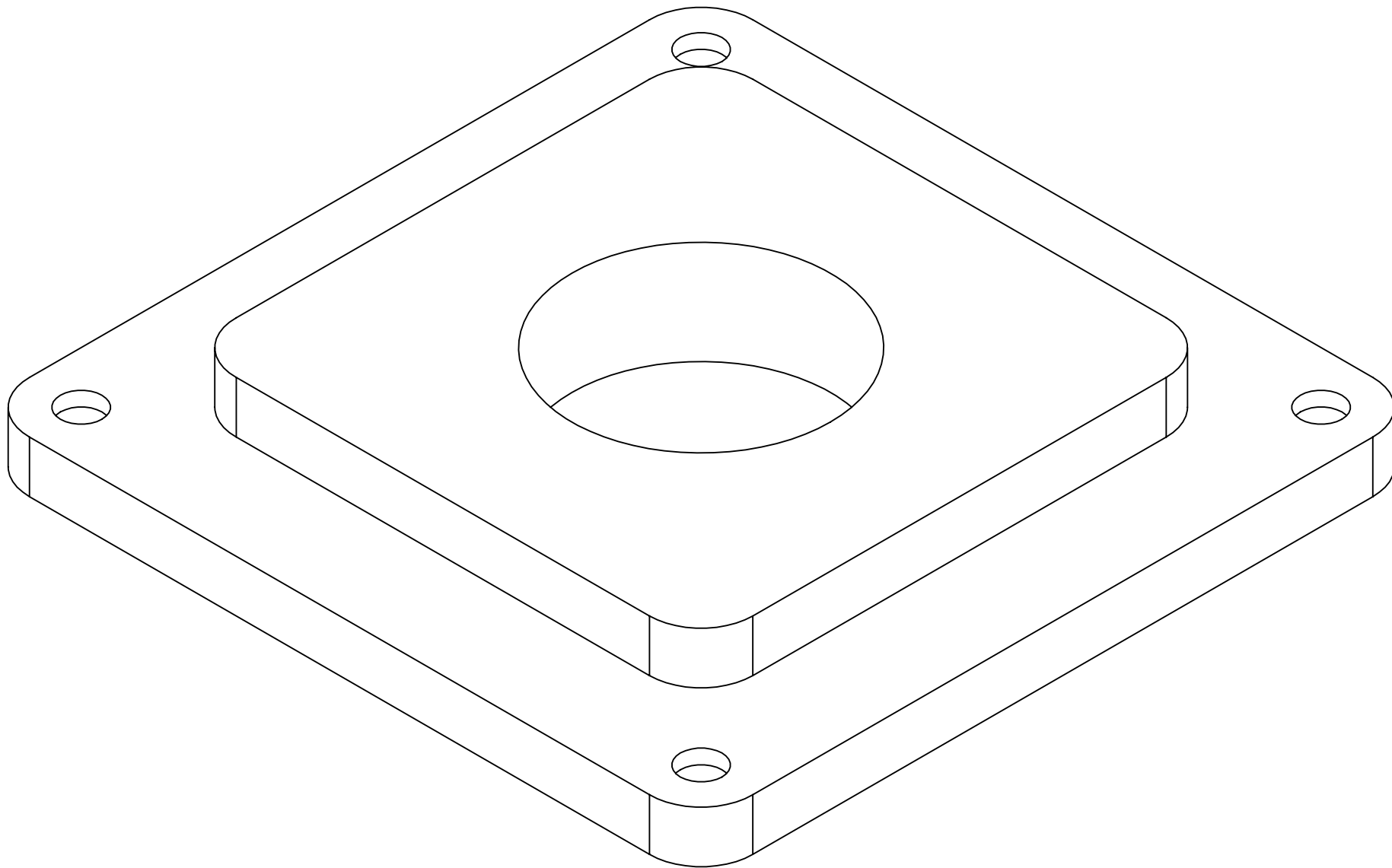
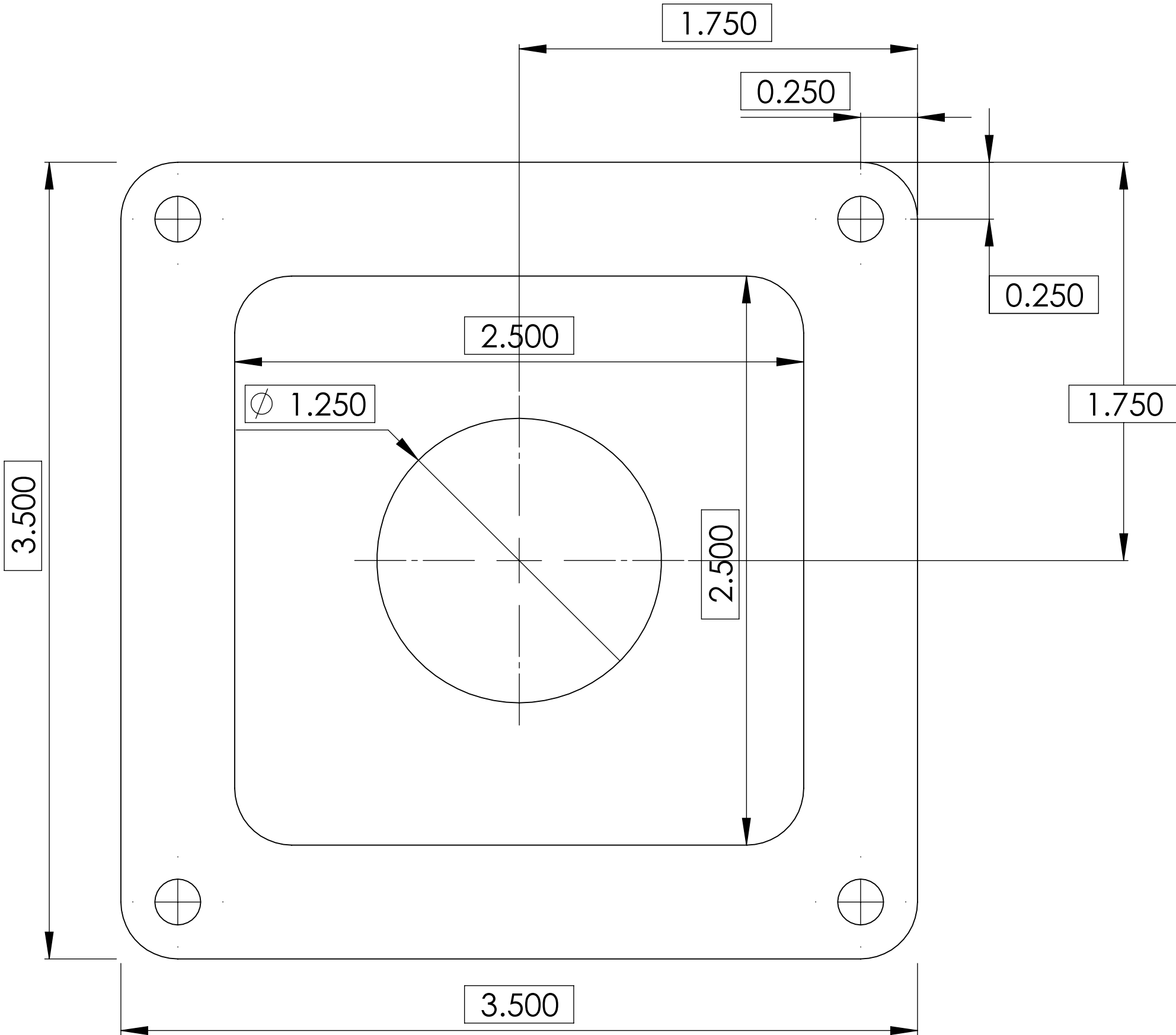
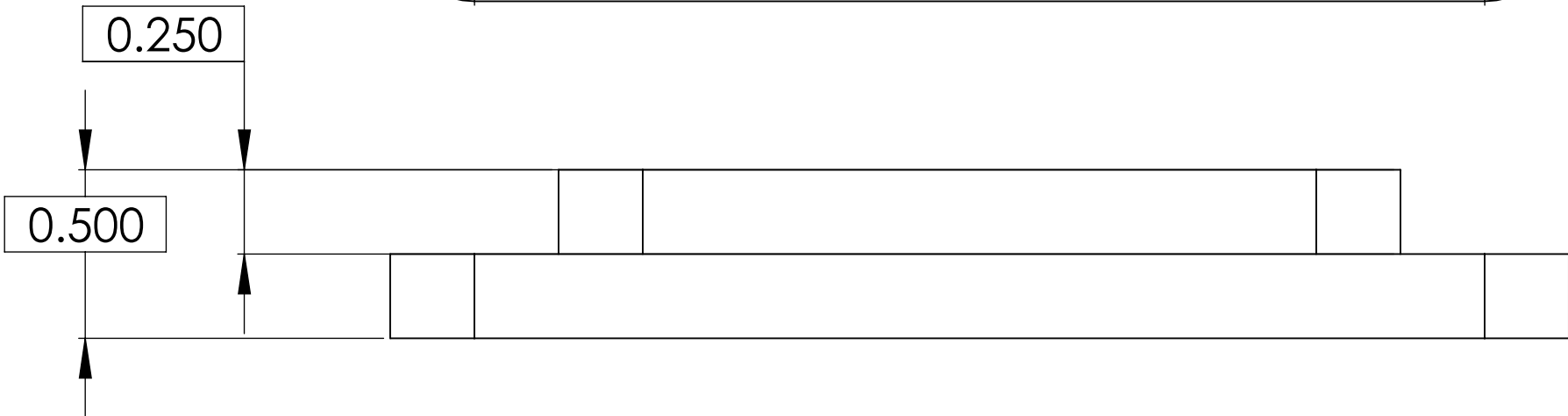
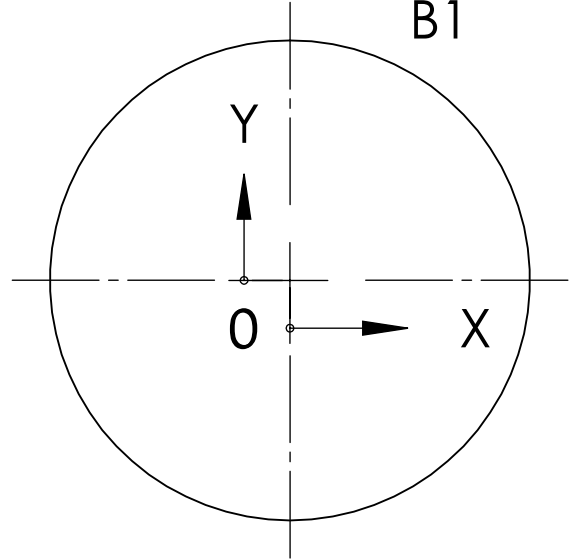
2. MADE TO FIT WITH ASSEMBLY 10-001 & MATCH WITH BASE PLAE CREATED BY HAWAII.
1. ALIGN USING DOWELL PIN
- NOTES: UNLESS OTHERWISE SPECIFIED.

		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES DECIMALS ANGLES .XX" \pm .03 .XXX" \pm .010 \pm 1/2 MACHINE FINISH 32 DO NOT SCALE DRAWING INTERPRET DWG BY ISO	CONTRACT NO		Folkers E. Rojas UROP Production <i>Massachusetts Institute of Technology Boston, MA 02139</i>					
			APPVD						DATE	
			DWN	F.E. Rojas			POETS on IRTF Casing: Top Lid			
			CHK							
			STRCT							
			MATL							
			THRM CONT							
							SCALE D			
	10-001		MATERIAL Al 6061 Cast	ENGR			SCALE 1:1		UNCLASSIFIED	SHEET 1 OF 1
NEXT ASSEMBLY	USED ON	DSGN SUPV								
APPLICATION										



4 x \varnothing 0.201 THRU ALL
 \varnothing 0.3280 ∇ 0.1800

TAG	X LOC	Y LOC	SIZE
A1	-1.500	-1.500	\varnothing 0.201 THRU ALL \varnothing 0.328 ∇ 0.180
A2	-1.500	1.500	\varnothing 0.201 THRU ALL \varnothing 0.328 ∇ 0.180
A3	1.500	-1.500	\varnothing 0.201 THRU ALL \varnothing 0.328 ∇ 0.180
A4	1.500	1.500	\varnothing 0.201 THRU ALL \varnothing 0.328 ∇ 0.180
B1	0.000	0.000	\varnothing 1.250 THRU

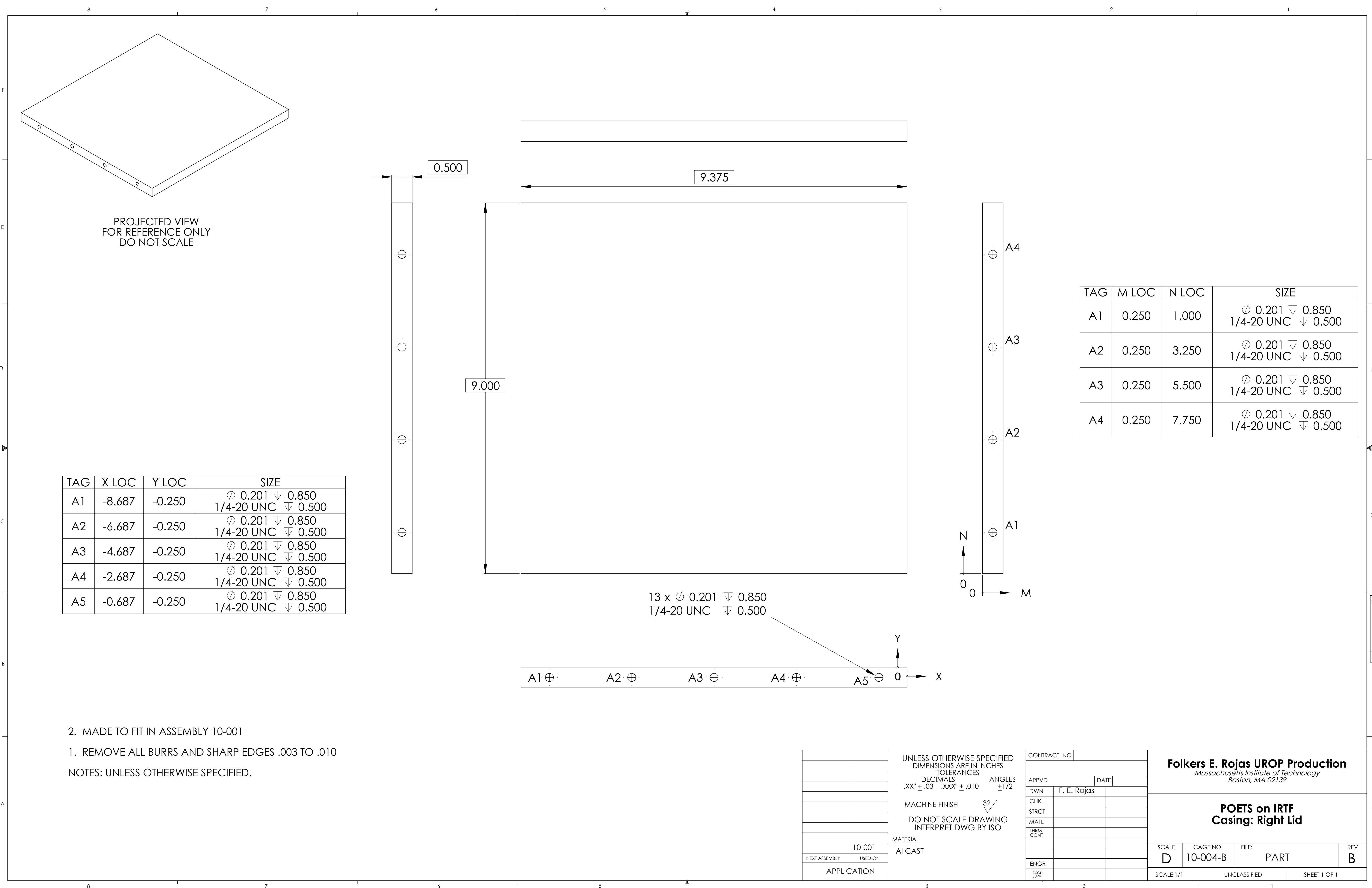


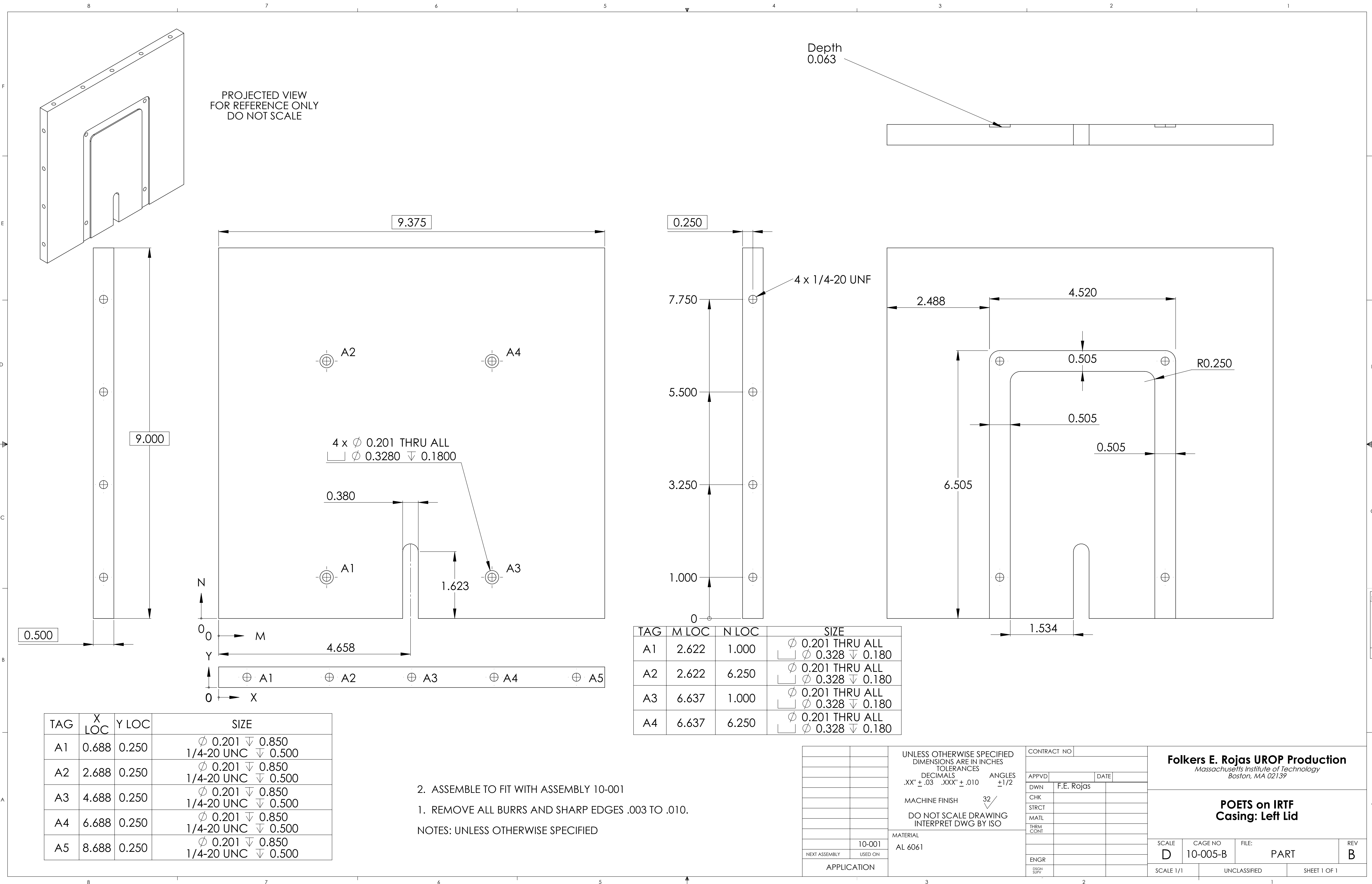
PROJECTED VIEW
FOR REFERENCE ONLY
DO NOT SCALE

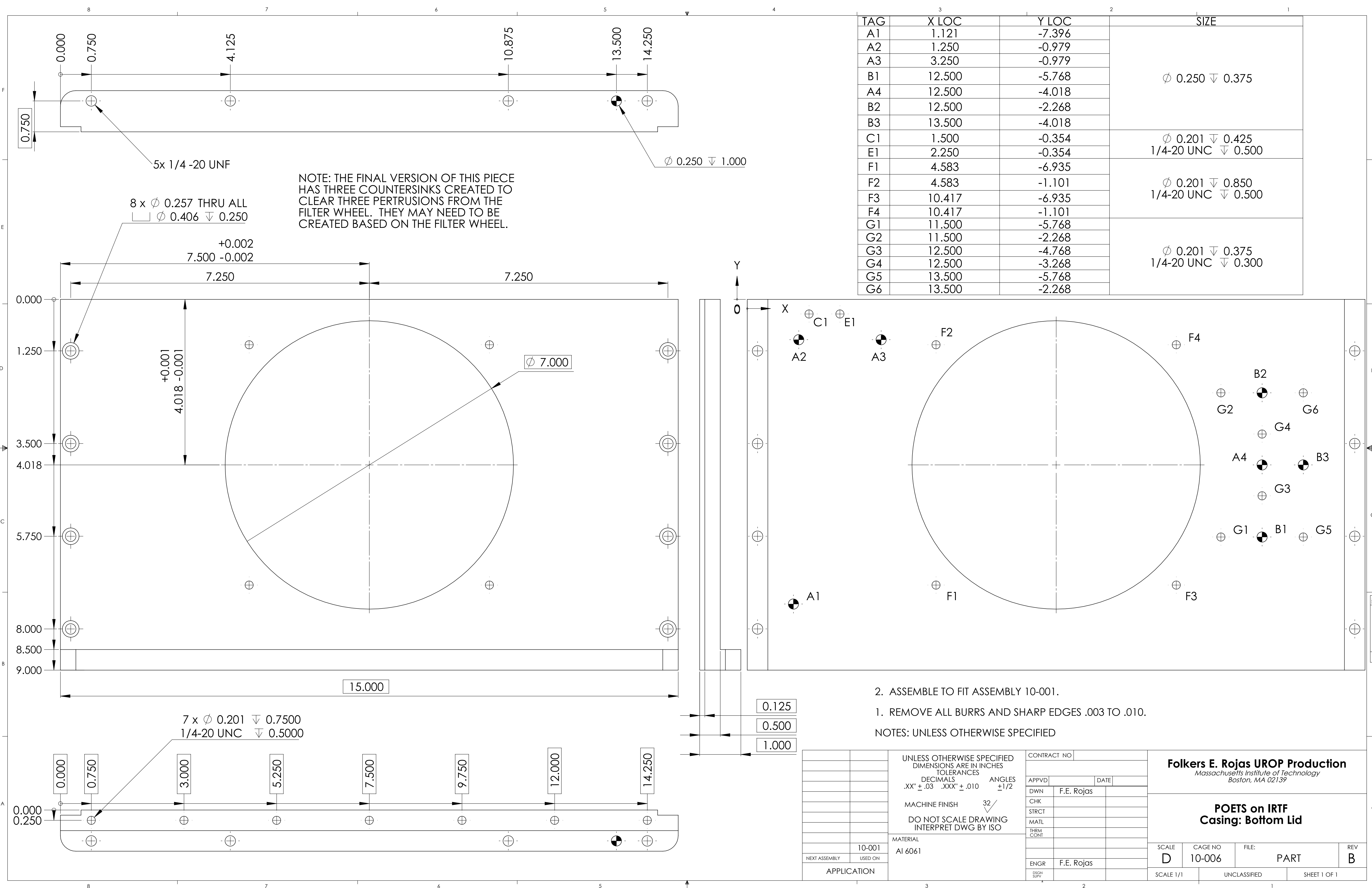
- 3. ALL RADII .25"
- 2. MADE TO FIT TO PART 10-002
- 1. REMOVE ALL BURRS AND SHARP EDGES .003 TO .010

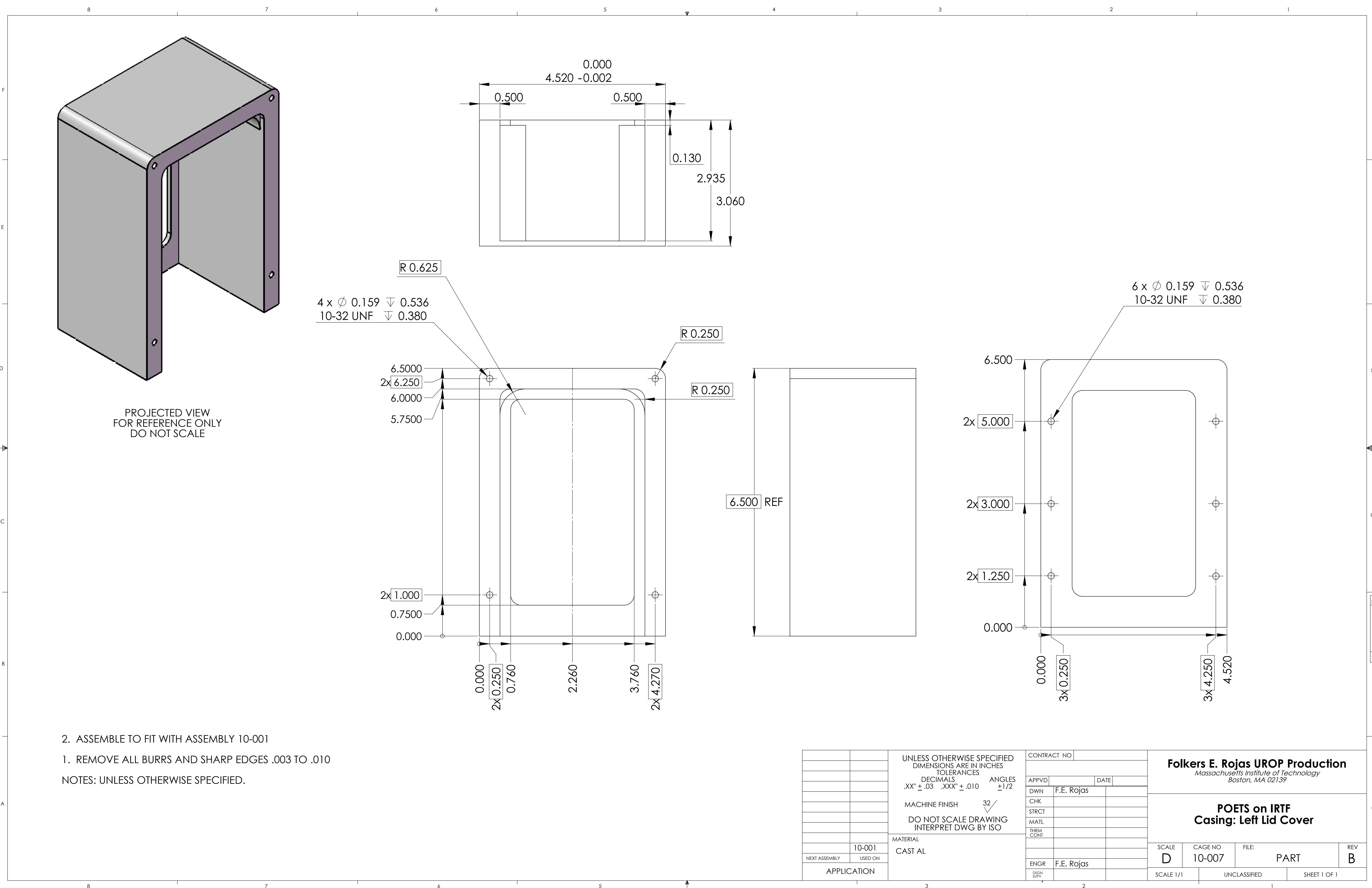
NOTES: UNLESS OTHERWISE SPECIFIED

		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES DECIMALS .XX" ± .03 .XXX" ± .010 ANGLES ±1/2 MACHINE FINISH 32✓ DO NOT SCALE DRAWING INTERPRET DWG BY ISO	CONTRACT NO		<div>Folkers E. Rojas UROP Production</div> <div>Massachusetts Institute of Technology</div> <div>Boston, MA 02139</div>							
			APPVD							DATE		
			DWN	F. E. Rojas								
			CHK									
			STRCT									
			MATL									
			THRM CONT									
			ENGR									
			DSGN SUPV								SCALE 2/1	
		MATERIAL AL 6061	<div>POETS on IRTF</div> <div>Casing: Top Lid Electronics Cap</div>					SCALE	CAGE NO	FILE:	REV	
	10-001							D	10-003-B	PART	B	
NEXT ASSEMBLY	USED ON											
APPLICATION												







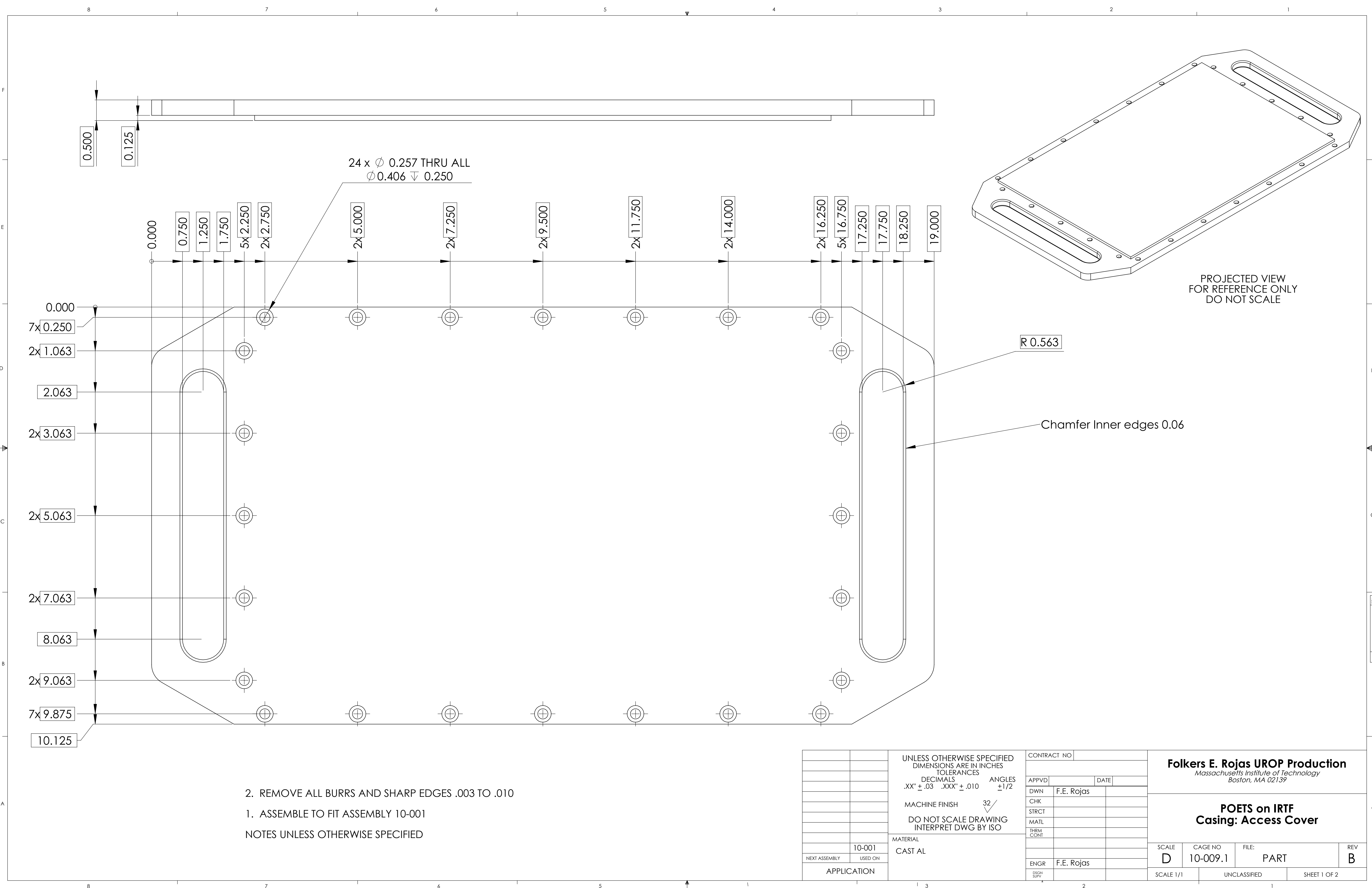


2. ASSEMBLE TO FIT WITH ASSEMBLY 10-001

1. REMOVE ALL BURRS AND SHARP EDGES .003 TO .010

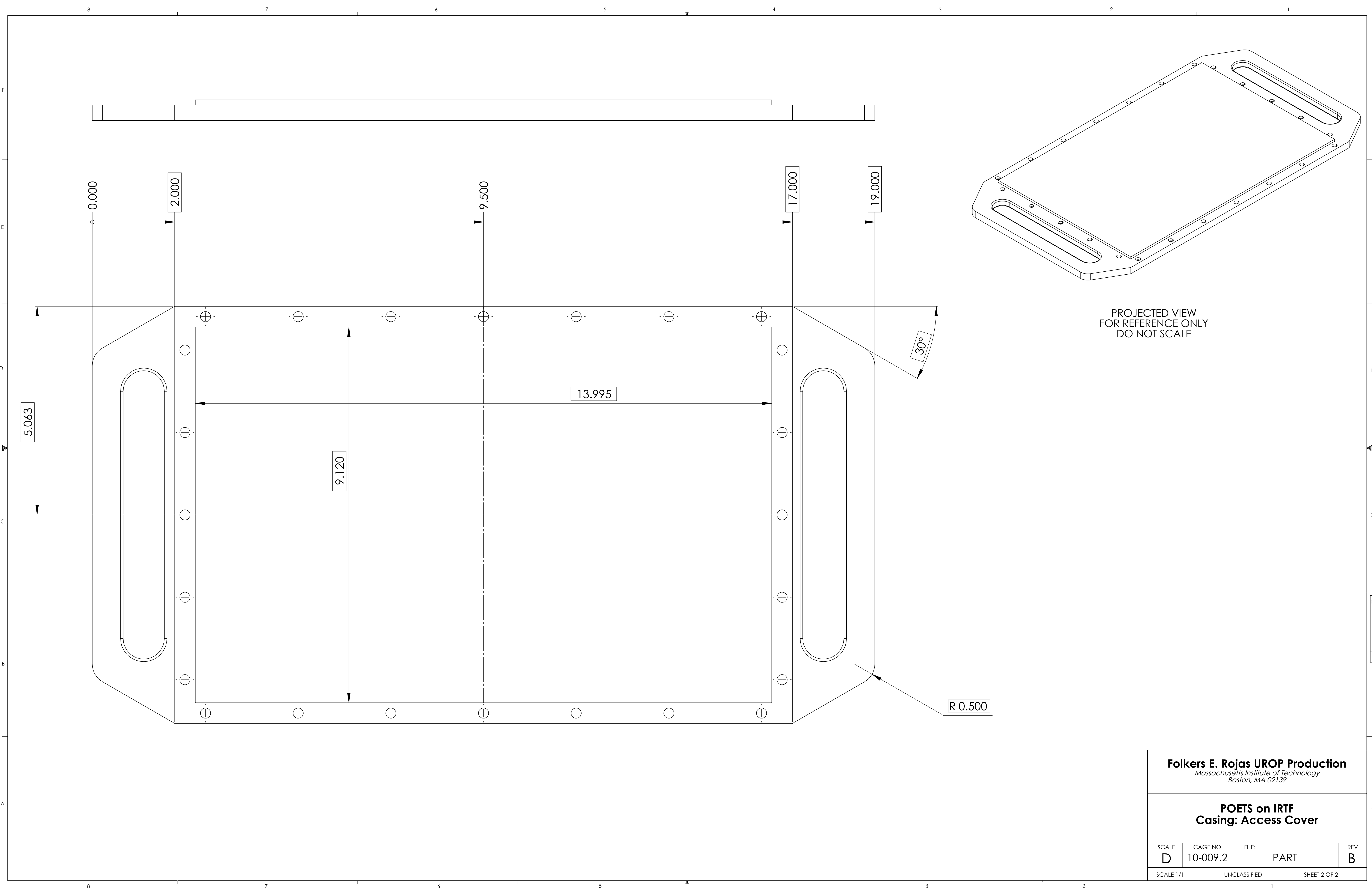
NOTES: UNLESS OTHERWISE SPECIFIED.

		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES DECIMALS ANGLES .XX" ± .03 .XXX" ± .010 ±1/2 MACHINE FINISH 32 ✓ DO NOT SCALE DRAWING INTERPRET DWG BY ISO	CONTRACT NO		Folkers E. Rojas UROP Production <i>Massachusetts Institute of Technology Boston, MA 02139</i>					
			APPVD							DATE
			DWN	F.E. Rojas		POETS on IRTF Casing: Left Lid Cover				
			CHK							
			STRCT							
			MATL							
			THRM CONT							
						<div>SCALE D</div> <div>CAGE NO 10-007</div> <div>FILE: PART</div> <div>REV B</div>				
	10-001		MATERIAL							
NEXT ASSEMBLY	USED ON		CAST AL							
APPLICATION			ENGR	F.E. Rojas	<div>SCALE 1/1</div> <div>UNCLASSIFIED</div> <div>SHEET 1 OF 1</div>					
			DSGN SUPV							



2. REMOVE ALL BURRS AND SHARP EDGES .003 TO .010
1. ASSEMBLE TO FIT ASSEMBLY 10-001
NOTES UNLESS OTHERWISE SPECIFIED

		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES DECIMALS ANGLES .XX" \pm .03 .XXX" \pm .010 \pm 1/2 MACHINE FINISH ∇ 32 DO NOT SCALE DRAWING INTERPRET DWG BY ISO	CONTRACT NO		Folkers E. Rojas UROP Production <i>Massachusetts Institute of Technology Boston, MA 02139</i>			
			APPVD	DATE	POETS on IRTF Casing: Access Cover			
			DWN	F.E. Rojas				
			CHK					
			STRCT					
			MATL					
			THRM CONT					
					SCALE	CAGE NO	FILE:	REV
	10-001				D	10-009.1	PART	B
NEXT ASSEMBLY	USED ON	MATERIAL CAST AL	ENGR	F.E. Rojas	SCALE 1/1		UNCLASSIFIED	
APPLICATION			DSGN SUPV				SHEET 1 OF 2	





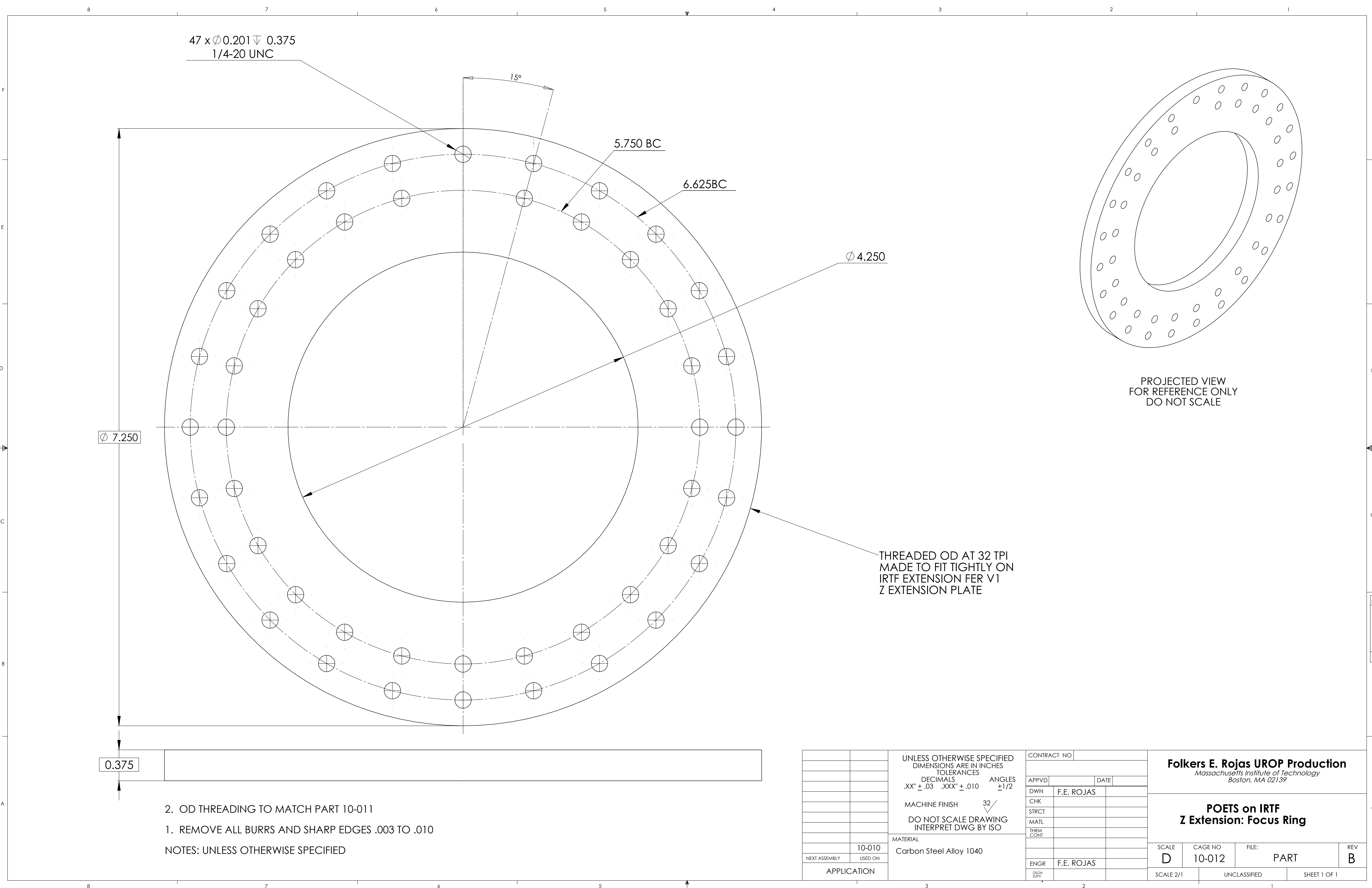
2. INTERIOR THREAD MADE TO MATCH PART 10-011

1. REMOVE ALL BURRS AND SHARP EDGES .003 TO .010

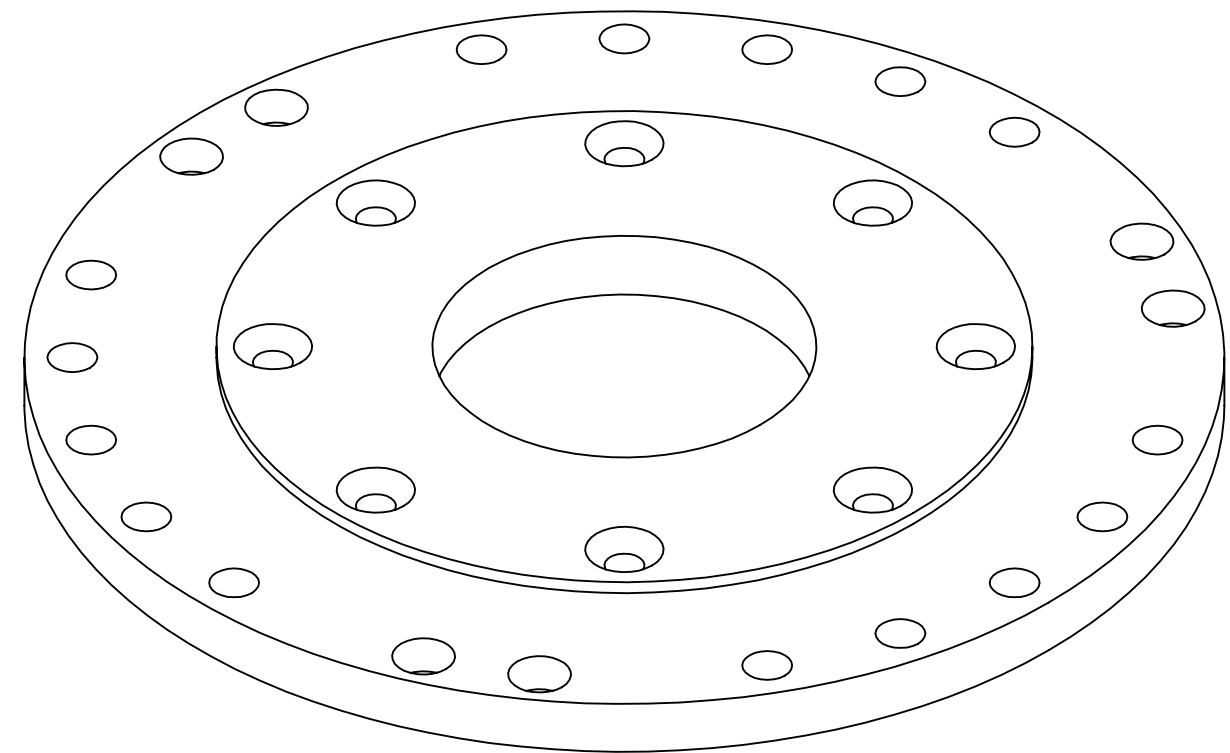
NOTES: UNLESS OTHERWISE SPECIFIED



		<div>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES DECIMALS ANGLES .XX" \pm .03 .XXX" \pm .010 \pm 1/2</div> <div>MACHINE FINISH 32 ✓</div> <div>DO NOT SCALE DRAWING INTERPRET DWG BY ISO</div>	CONTRACT NO			<div>Folkers E. Rojas UROP Production</div> <div>Massachusetts Institute of Technology</div> <div>Boston, MA 02139</div>			
			APPVD		DATE		<div>POETS on IRTF</div> <div>Z Extension: Extension Ring</div>		
			DWN	F.E. Rojas					
			CHK						
			STRCT						
			MATL						
			THRM CONT				<div>SCALE CAGE NO FILE: REV</div> <div>D 10-011 PART B</div>		
			ENGR	F.E. Rojas					
						<div>SCALE 1/1 UNCLASSIFIED SHEET 1 OF 1</div>			
		DSGN SUPV							
		MATERIAL							
	10-010	CAST AL							
NEXT ASSEMBLY	USED ON								
APPLICATION									

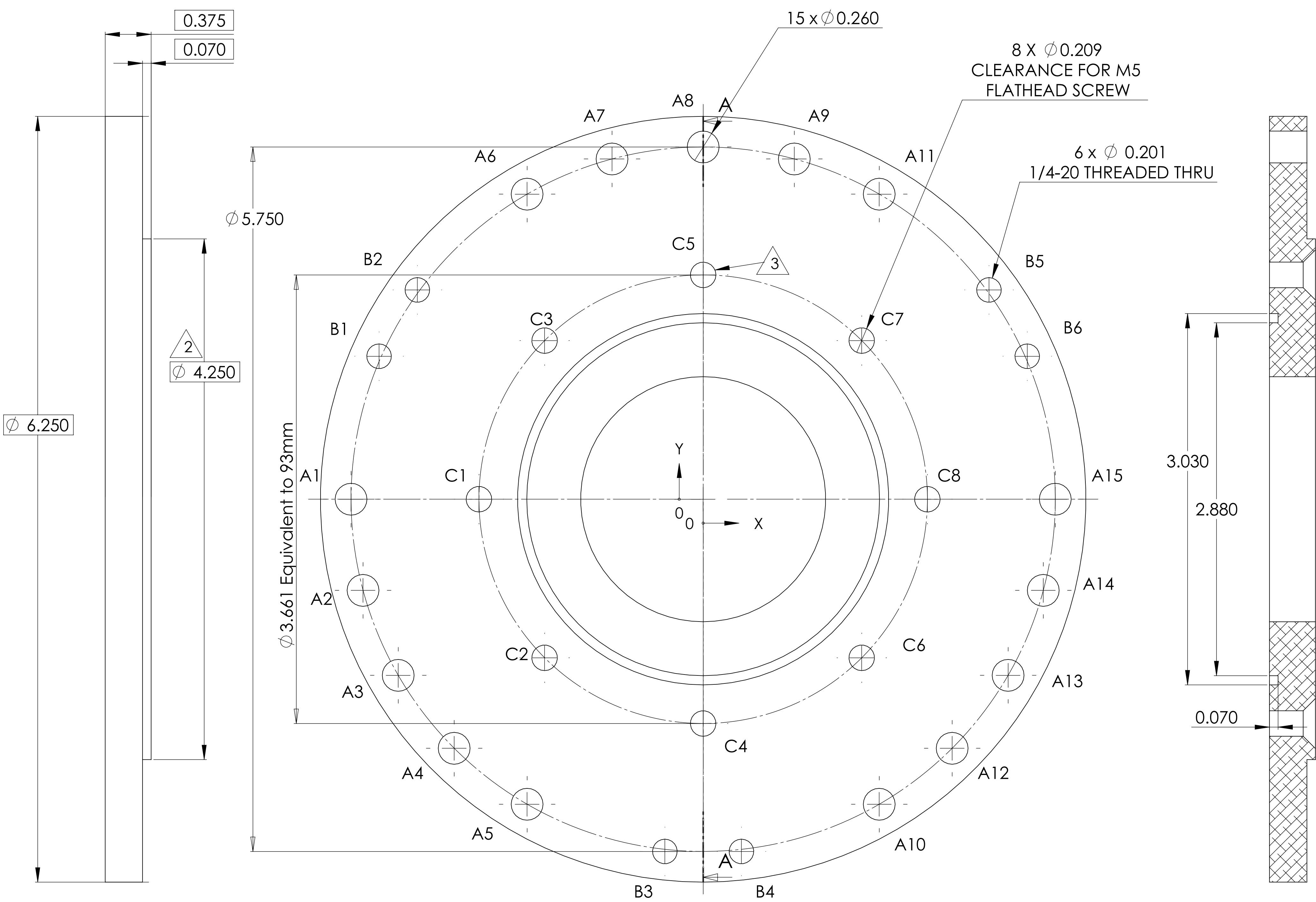


		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES DECIMALS ANGLES .XX" \pm .03 .XXX" \pm .010 \pm 1/2 MACHINE FINISH 32 DO NOT SCALE DRAWING INTERPRET DWG BY ISO	CONTRACT NO		Folkers E. Rojas UROP Production <i>Massachusetts Institute of Technology Boston, MA 02139</i>			
			APPVD	DATE				
			DWN	F.E. ROJAS				
			CHK					
			STRCT					
			MATL					
			THRM CONT					
	10-010	Carbon Steel Alloy 1040	ENGR	F.E. ROJAS	SCALE D	CAGE NO 10-012	FILE: PART	REV B
NEXT ASSEMBLY	USED ON		DSGN SUPV		SCALE 2/1	UNCLASSIFIED	SHEET 1 OF 1	
APPLICATION								



PROJECTED VIEW
FOR REFERENCE ONLY
DO NOT SCALE

TAG	X LOC	Y LOC	SIZE
A1	-2.875	0.000	Ø 0.260 THRU
A2	-2.777	-0.744	Ø 0.260 THRU
A3	-2.490	-1.437	Ø 0.260 THRU
A4	-2.033	-2.033	Ø 0.260 THRU
A5	-1.437	-2.490	Ø 0.260 THRU
A6	-1.437	2.490	Ø 0.260 THRU
A7	-0.744	2.777	Ø 0.260 THRU
A8	0.000	2.875	Ø 0.260 THRU
A9	0.744	2.777	Ø 0.260 THRU
A10	1.438	-2.490	Ø 0.260 THRU
A11	1.438	2.490	Ø 0.260 THRU
A12	2.033	-2.033	Ø 0.260 THRU
A13	2.490	-1.437	Ø 0.260 THRU
A14	2.777	-0.744	Ø 0.260 THRU
A15	2.875	0.000	Ø 0.260 THRU
B1	-2.646	1.167	1/4-20 THREADED
B2	-2.334	1.708	1/4-20THREADED
B3	-0.312	-2.875	1/4-20 THREADED
B4	0.313	-2.875	1/4-20 THREADED
B5	2.334	1.708	1/4-20 THREADED
B6	2.646	1.167	1/4-20 THREADED
C1	-1.831	0.000	Ø 0.209▽ 0.2750
C2	-1.295	-1.295	Ø 0.209▽ 0.2750
C3	-1.295	1.295	Ø 0.209▽ 0.2750
C4	0.000	-1.831	Ø 0.209▽ 0.2750
C5	0.000	1.831	Ø 0.209▽ 0.2750
C6	1.295	-1.295	Ø 0.209▽ 0.2750
C7	1.295	1.295	Ø 0.209▽ 0.2750
C8	1.831	0.000	Ø 0.209▽ 0.2750

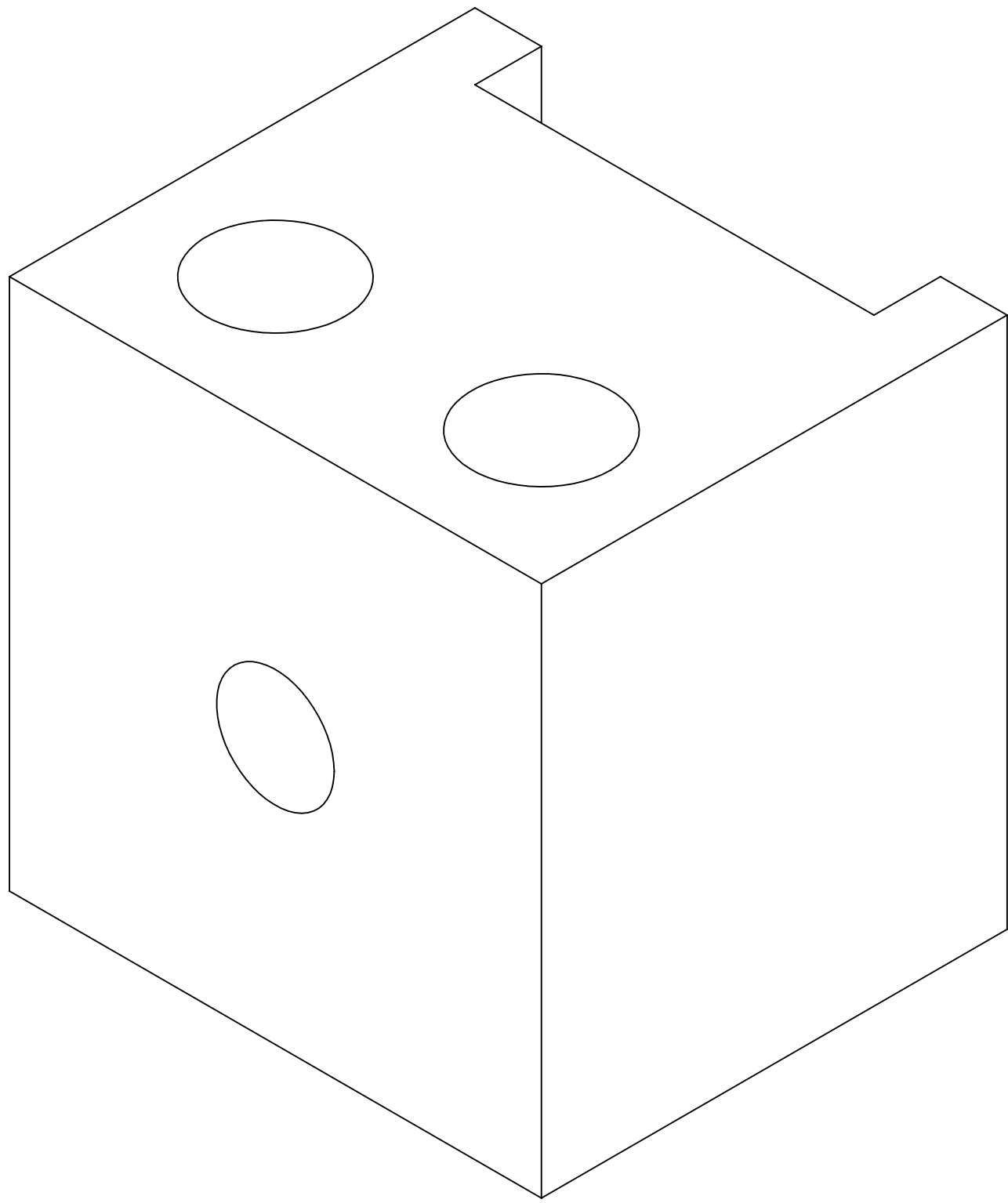


SECTION A-A
SCALE 2 : 1

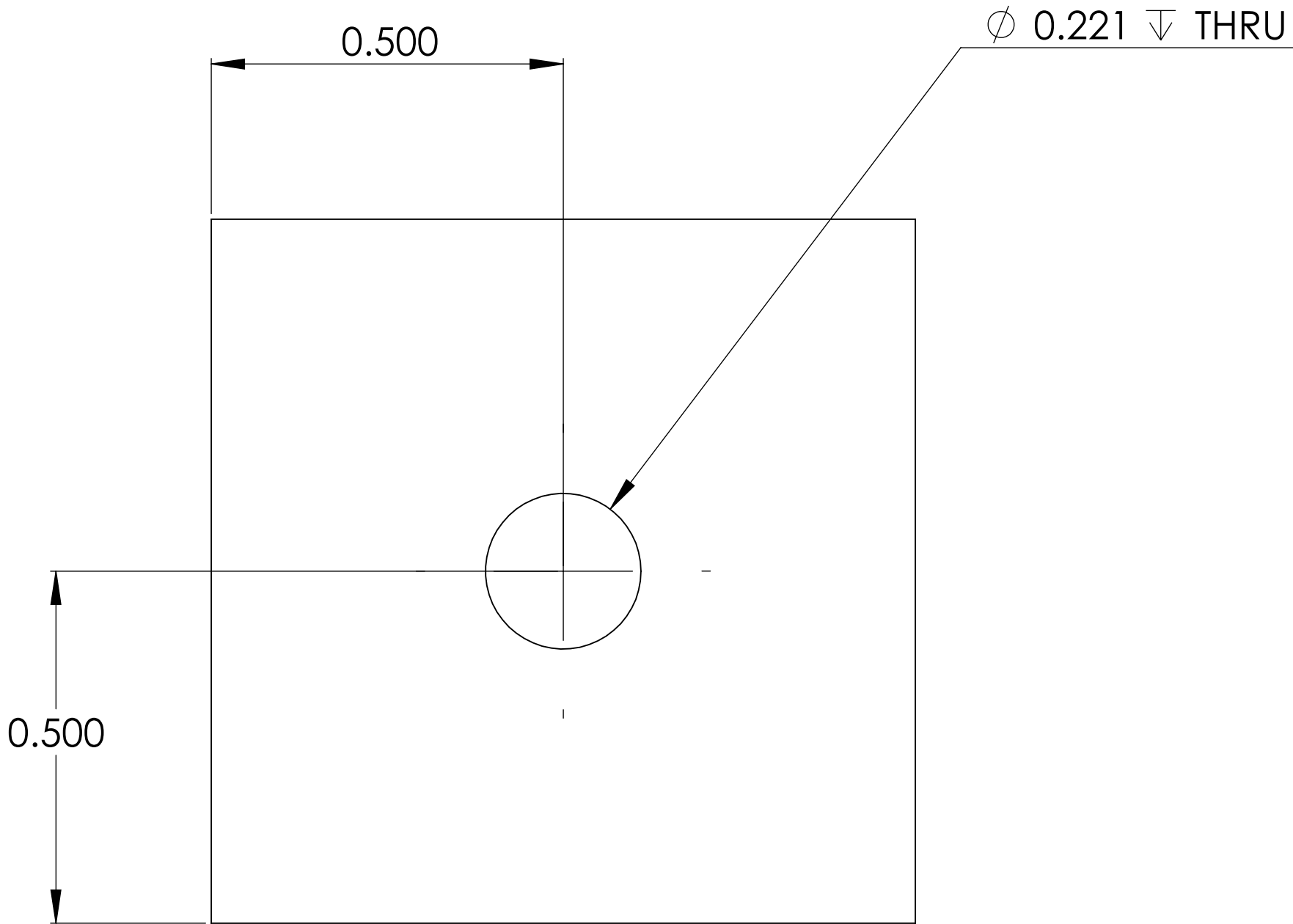
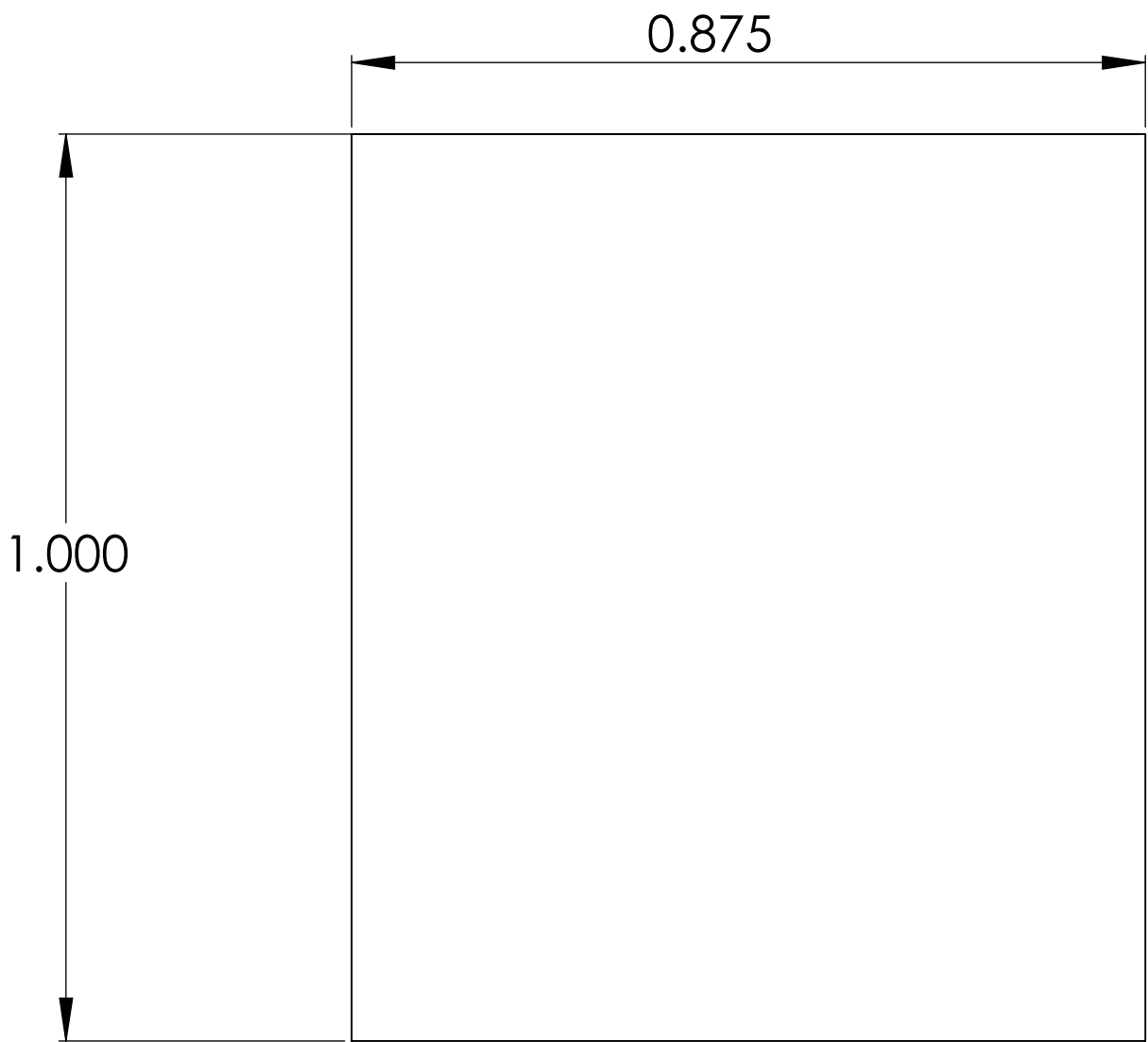
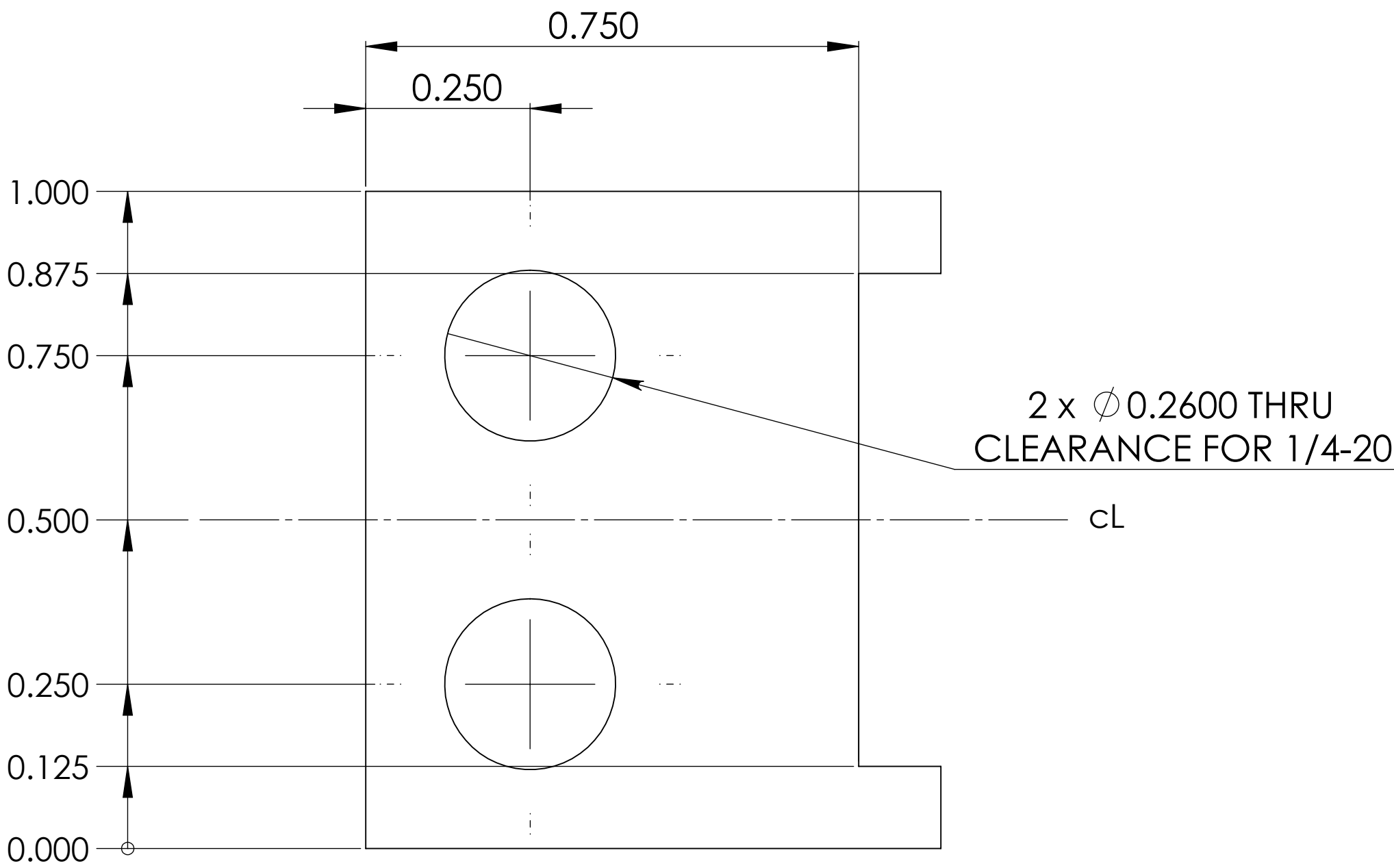
3. POETS HOLES ARE METRIC (5 MM)
2. MATE WITH PART 10-012 TO TEST FITTING
1. REMOVE ALL BURRS AND SHARP EDGES .003 TO .010

NOTES: UNLESS OTHERWISE SPECIFIED

		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES DECIMALS ANGLES .XX" ± .03 .XXX" ± .010 ±1/2	CONTRACT NO		Folkers E. Rojas UROP Production <i>Massachusetts Institute of Technology Boston, MA 02139</i>							
			MACHINE FINISH 16✓ DO NOT SCALE DRAWING INTERPRET DWG BY ISO	APPVD		DATE	POETS on IRTF Z Extension: Poets Face Adapter					
				DWN	F.E. ROJAS							
		CHK										
		STRCT										
		MATERIAL Al 6061 CAST	MATL			SCALE D				CAGE NO 10-013	FILE: PART	REV B
			THRM CONT									
			ENGR			SCALE 2/1		UNCLASSIFIED		SHEET 1 OF 1		
			DSGN SUPV									
		APPLICATION										
NEXT ASSEMBLY	USED ON											



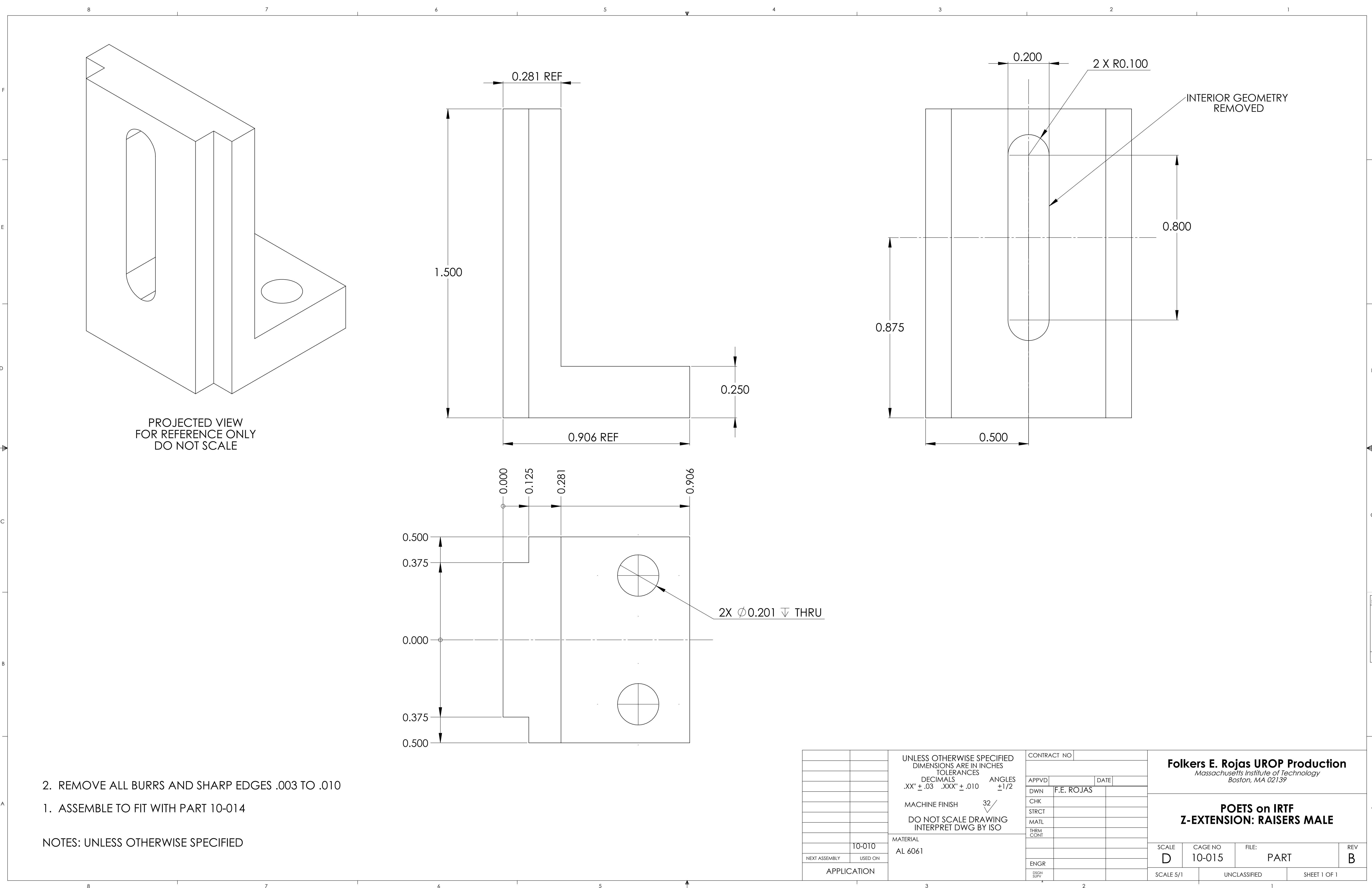
PROJECTED VIEW
FOR REFERENCE ONLY
DO NOT SCALE



2. REMOVE ALL BURRS AND SHARP EDGES .003 TO .010
- 1 ASSEMBLE TO FIT WITH PART 10-015

NOTES: UNLESS OTHERWISE SPECIFIED

		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES DECIMALS ANGLES .XX" ± .03 .XXX" ± .010 ±1/2 MACHINE FINISH 32 ✓ DO NOT SCALE DRAWING INTERPRET DWG BY ISO	CONTRACT NO		Folkers E. Rojas UROP Production <i>Massachusetts Institute of Technology Boston, MA 02139</i>				
			APPVD						DATE
			DWN	F.E. ROJAS		POETS on IRTF Z-EXTENSION: RAISERS FEMALE			
			CHK						
			STRCT						
		MATL			SCALE D		CAGE NO 10-014	FILE: PART	REV B
		THRM CONT							
					SCALE 5/1		UNCLASSIFIED	SHEET 1 OF 1	
		ENGR							
		DSGN SUPV							
	10-010	MATERIAL AL 6061							
NEXT ASSEMBLY	USED ON								
APPLICATION									

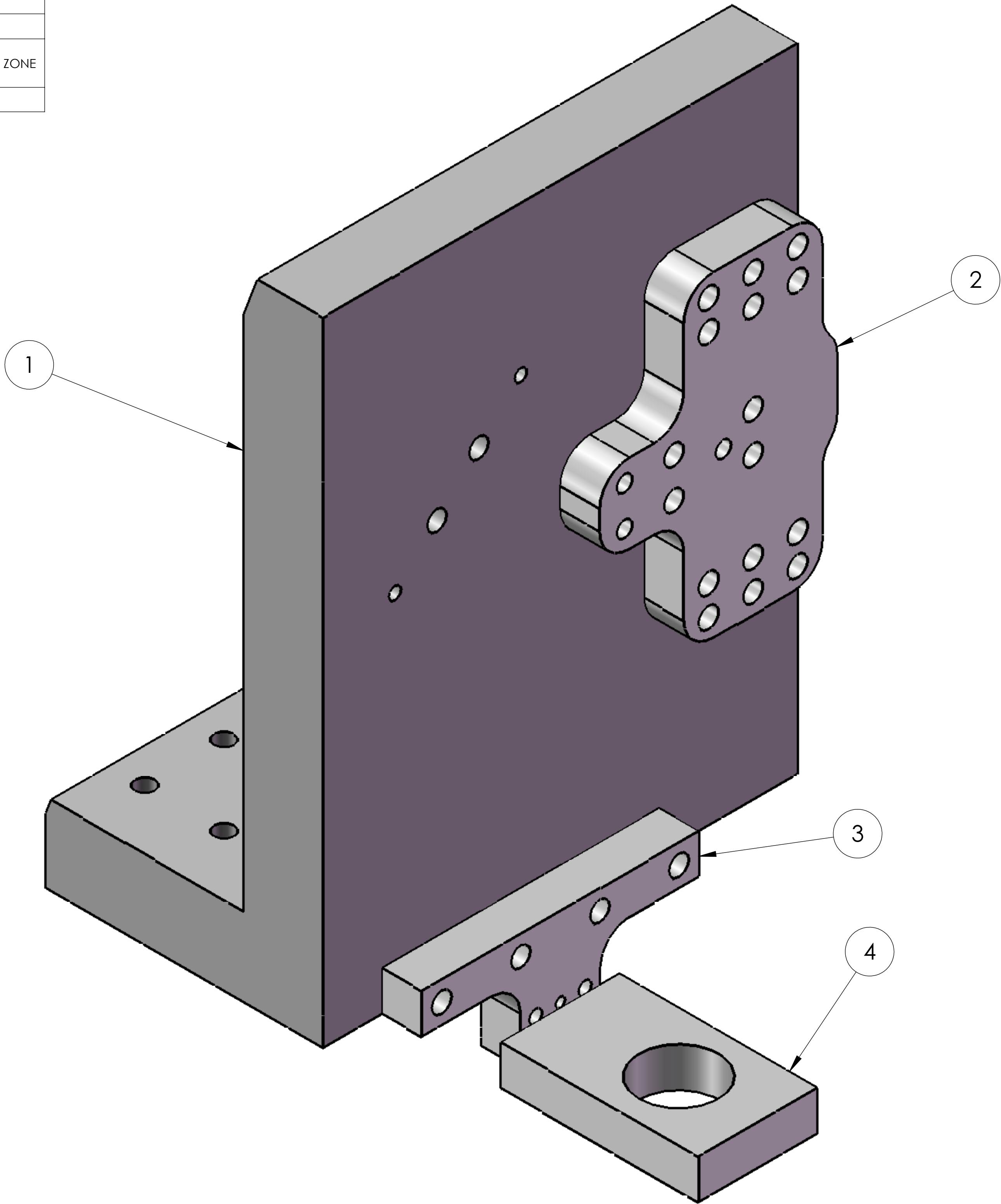


2. REMOVE ALL BURRS AND SHARP EDGES .003 TO .010
1. ASSEMBLE TO FIT WITH PART 10-014

NOTES: UNLESS OTHERWISE SPECIFIED

		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES DECIMALS ANGLES .XX" ± .03 .XXX" ± .010 ±1/2 MACHINE FINISH 32✓ DO NOT SCALE DRAWING INTERPRET DWG BY ISO	CONTRACT NO		Folkers E. Rojas UROP Production <i>Massachusetts Institute of Technology Boston, MA 02139</i>				
			APPVD						
			DWN	F.E. ROJAS					
			CHK						
			STRCT						
			MATL						
			THRM CONT						
	10-010	MATERIAL AL 6061			POETS on IRTF Z-EXTENSION: RAISERS MALE				
NEXT ASSEMBLY	USED ON								
APPLICATION				ENGR		SCALE D	CAGE NO 10-015	FILE: PART	REV B
			DSGN SUPV		SCALE 5/1		UNCLASSIFIED	SHEET 1 OF 1	

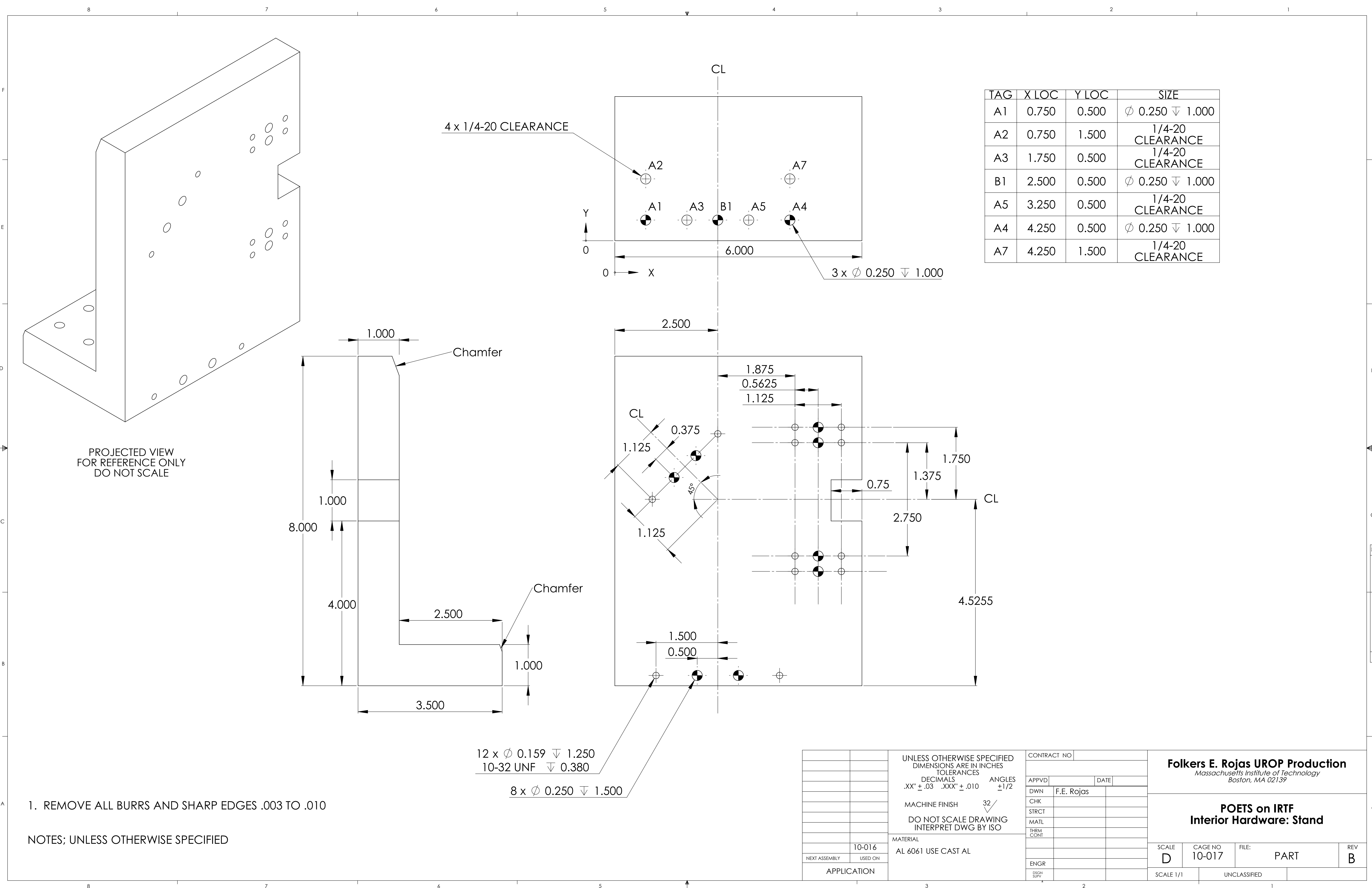
			8		7		6			
	1	4		10-012	IRTF_Opics holder two_v1 part 2				AL 6061	
	1	3		10-019	IRTF_Opics holder two_v1				AL 6061	
	1	2		10-018	IRTF_Opics holder one_v1 part 1				AL 6061	
	1	1		10-017	IRTF_Opics holder part 1 v2				AL 6061	
F	QTY REQ'D		ITEM NO.	REF DES	CAGE NO.	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION	SPECIFICATION	MATERIAL OR NOTE	ZONE
PARTS LIST										



3. FIT TO ASSEMBLY 10-010
2. ALIGN USING DOWELL PINS
1. REMOVE ALL BURRS AND SHARP EDGES .003 TO .010

NOTES: UNLESS OTHERWISE SPECIFIED

		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES DECIMALS ANGLES .XX" ± .03 .XXX" ± .010 ±1/2 MACHINE FINISH 32✓ DO NOT SCALE DRAWING INTERPRET DWG BY ISO	CONTRACT NO		Folkers E. Rojas UROP Production <i>Massachusetts Institute of Technology Boston, MA 02139</i>				
			APPVD		DATE				
			DWN	F.E. Rojas					
			CHK						
			STRCT						
			MATL						
			THRM CONT						
			ENGR						
	10-999	MATERIAL	DSGN SUPV			SCALE 2/1	CAGE NO 10-016	FILE: Sub-Assembly	REV A
NEXT ASSEMBLY	USED ON					UNCLASSIFIED			
APPLICATION									



PROJECTED VIEW
FOR REFERENCE ONLY
DO NOT SCALE

4 x 1/4-20 CLEARANCE

Chamfer

Chamfer

12 x \varnothing 0.159 ∇ 1.250
10-32 UNF ∇ 0.380

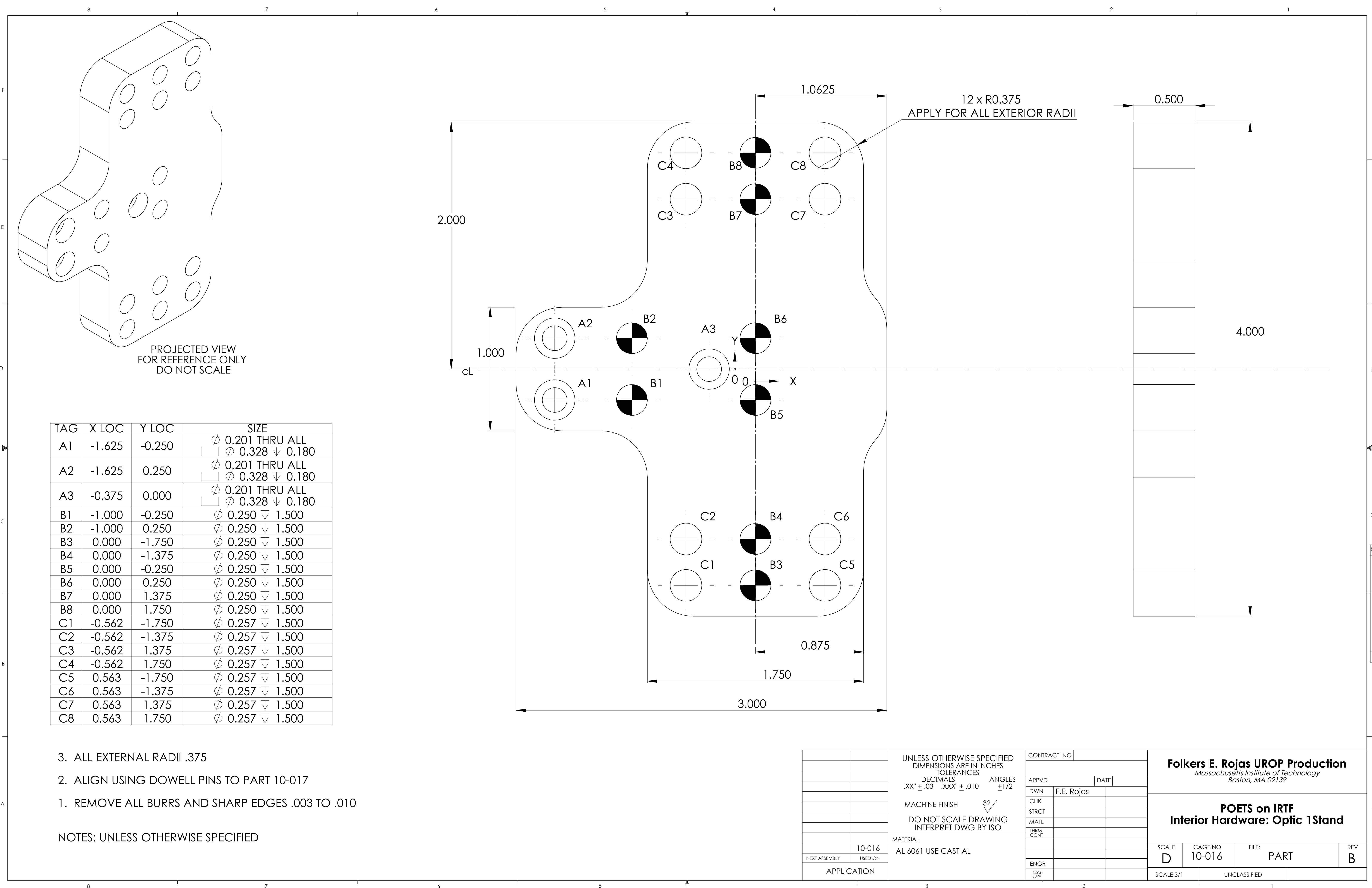
8 x \varnothing 0.250 ∇ 1.500

TAG	X LOC	Y LOC	SIZE
A1	0.750	0.500	\varnothing 0.250 ∇ 1.000
A2	0.750	1.500	1/4-20 CLEARANCE
A3	1.750	0.500	1/4-20 CLEARANCE
B1	2.500	0.500	\varnothing 0.250 ∇ 1.000
A5	3.250	0.500	1/4-20 CLEARANCE
A4	4.250	0.500	\varnothing 0.250 ∇ 1.000
A7	4.250	1.500	1/4-20 CLEARANCE

		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES DECIMALS ANGLES .XX" ± .03 .XXX" ± .010 ±1/2 MACHINE FINISH 32 ✓ DO NOT SCALE DRAWING INTERPRET DWG BY ISO	CONTRACT NO		Folkers E. Rojas UROP Production <i>Massachusetts Institute of Technology Boston, MA 02139</i>									
			APPVD							DATE				
			DWN	F.E. Rojas		POETS on IRTF Interior Hardware: Stand								
			CHK											
			STRCT											
			MATL											
			THRM CONT											
					SCALE D CAGE NO 10-017 FILE: PART REV B									
	10-016	MATERIAL								SCALE 1/1 UNCLASSIFIED				
NEXT ASSEMBLY	USED ON	AL 6061 USE CAST AL												
APPLICATION			ENGR											
			DSGN SUPV											

1. REMOVE ALL BURRS AND SHARP EDGES .003 TO .010

NOTES; UNLESS OTHERWISE SPECIFIED



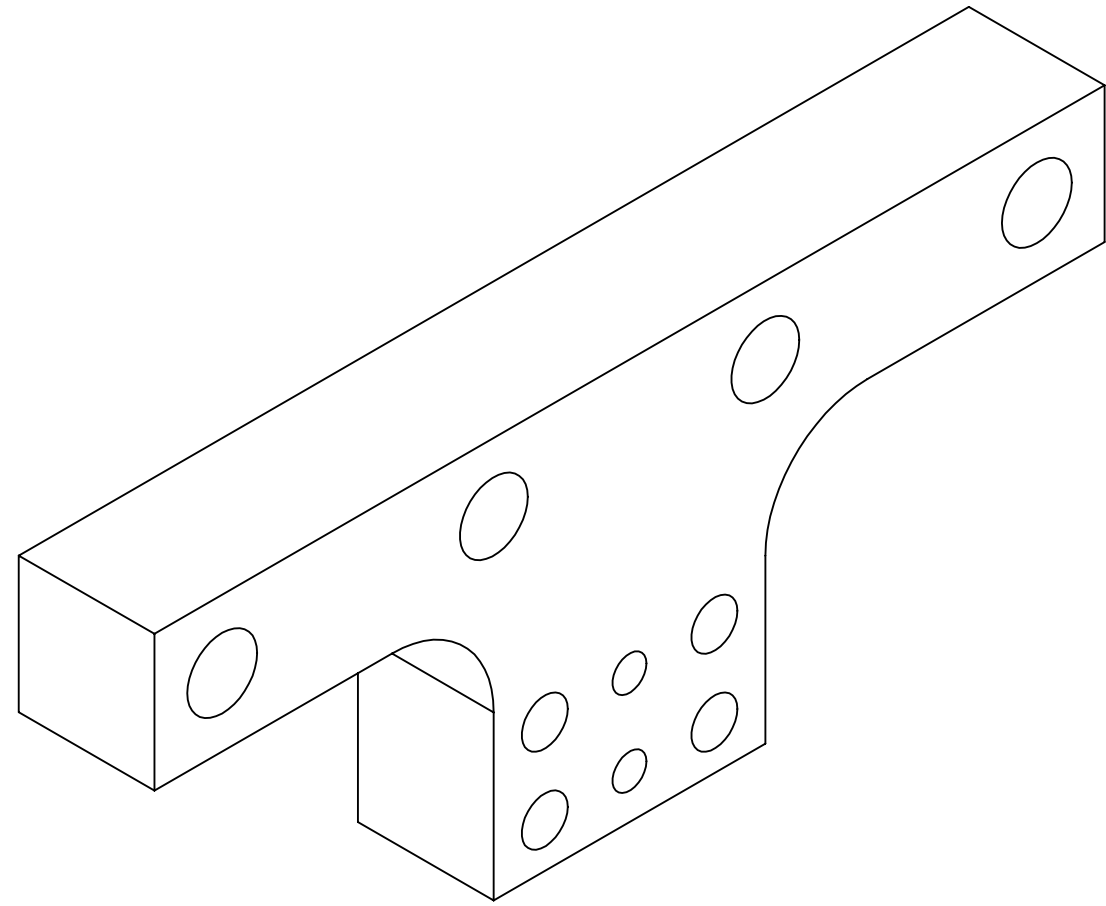
PROJECTED VIEW
FOR REFERENCE ONLY
DO NOT SCALE

TAG	X LOC	Y LOC	SIZE
A1	-1.625	-0.250	\varnothing 0.201 THRU ALL \varnothing 0.328 ∇ 0.180
A2	-1.625	0.250	\varnothing 0.201 THRU ALL \varnothing 0.328 ∇ 0.180
A3	-0.375	0.000	\varnothing 0.201 THRU ALL \varnothing 0.328 ∇ 0.180
B1	-1.000	-0.250	\varnothing 0.250 ∇ 1.500
B2	-1.000	0.250	\varnothing 0.250 ∇ 1.500
B3	0.000	-1.750	\varnothing 0.250 ∇ 1.500
B4	0.000	-1.375	\varnothing 0.250 ∇ 1.500
B5	0.000	-0.250	\varnothing 0.250 ∇ 1.500
B6	0.000	0.250	\varnothing 0.250 ∇ 1.500
B7	0.000	1.375	\varnothing 0.250 ∇ 1.500
B8	0.000	1.750	\varnothing 0.250 ∇ 1.500
C1	-0.562	-1.750	\varnothing 0.257 ∇ 1.500
C2	-0.562	-1.375	\varnothing 0.257 ∇ 1.500
C3	-0.562	1.375	\varnothing 0.257 ∇ 1.500
C4	-0.562	1.750	\varnothing 0.257 ∇ 1.500
C5	0.563	-1.750	\varnothing 0.257 ∇ 1.500
C6	0.563	-1.375	\varnothing 0.257 ∇ 1.500
C7	0.563	1.375	\varnothing 0.257 ∇ 1.500
C8	0.563	1.750	\varnothing 0.257 ∇ 1.500

3. ALL EXTERNAL RADII .375
2. ALIGN USING DOWELL PINS TO PART 10-017
1. REMOVE ALL BURRS AND SHARP EDGES .003 TO .010

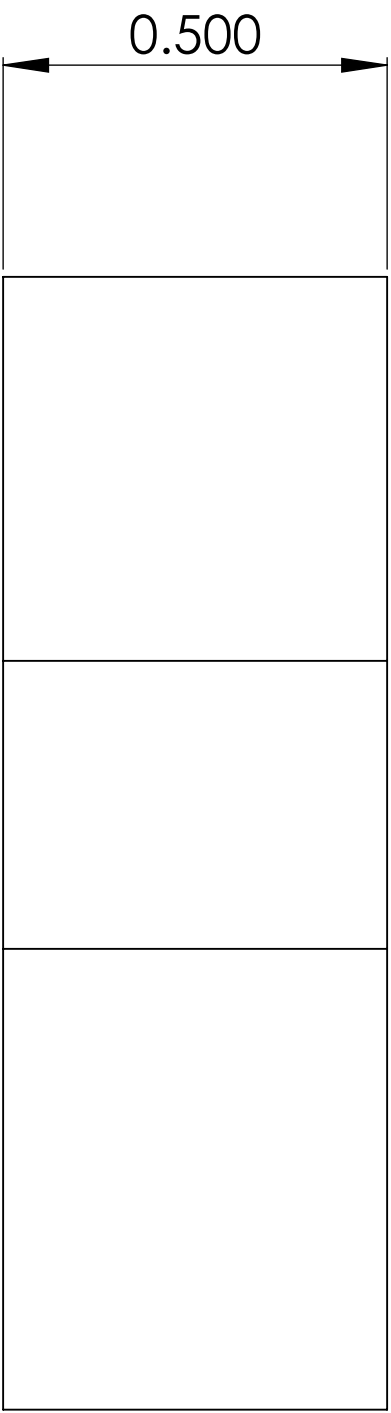
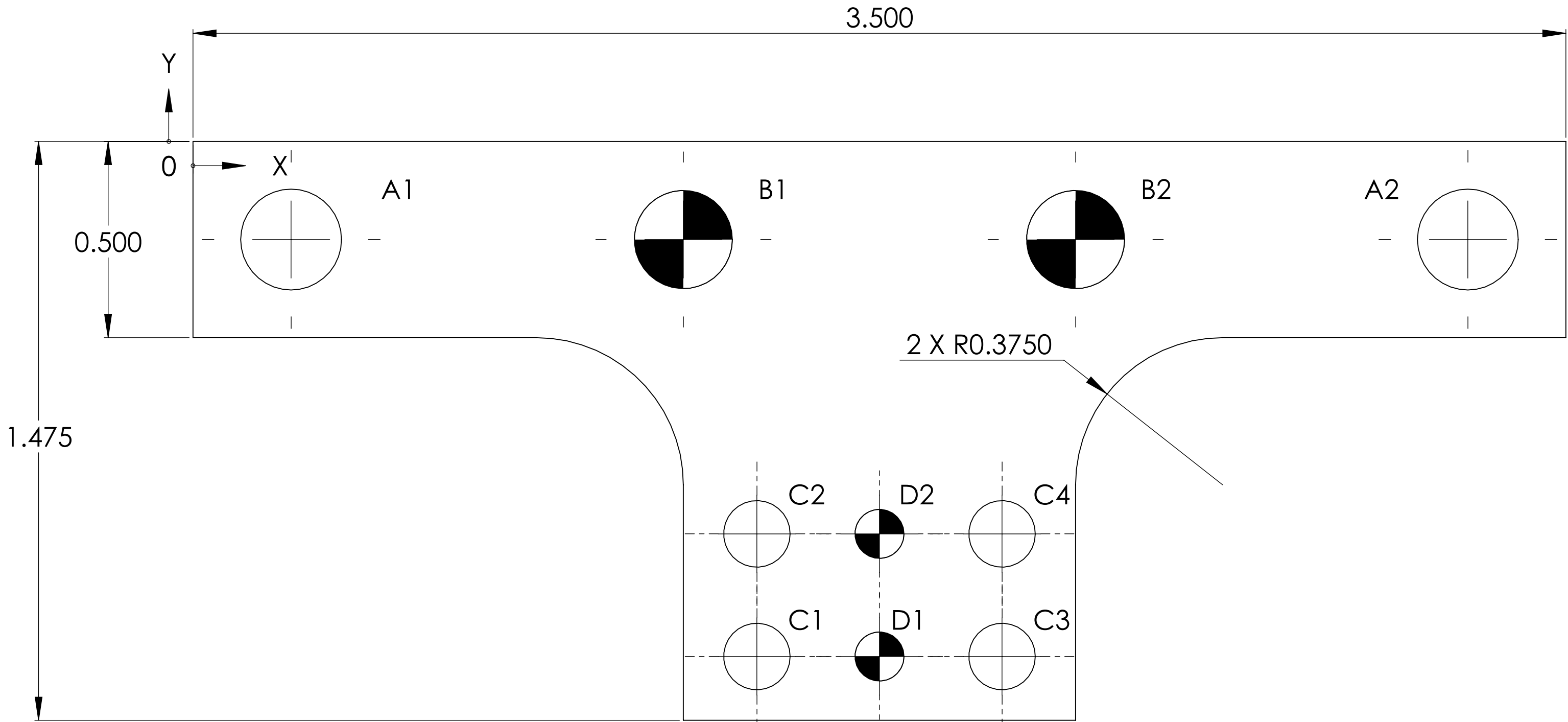
NOTES: UNLESS OTHERWISE SPECIFIED

		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES DECIMALS ANGLES .XX" \pm .03 .XXX" \pm .010 \pm 1/2 MACHINE FINISH 32 ∇ DO NOT SCALE DRAWING INTERPRET DWG BY ISO	CONTRACT NO		Folkers E. Rojas UROP Production <i>Massachusetts Institute of Technology Boston, MA 02139</i>			
			APPVD	DATE				
			DWN	F.E. Rojas	POETS on IRTF Interior Hardware: Optic 1Stand			
			CHK					
			STRCT					
			MATL					
			THRM CONT					
					SCALE D	CAGE NO 10-016	FILE: PART	REV B
	10-016 USED ON		MATERIAL AL 6061 USE CAST AL	ENGR		SCALE 3/1	UNCLASSIFIED	
	APPLICATION			DSGN SUPV				



PROJECTED VIEW
FOR REFERENCE ONLY
DO NOT SCALE

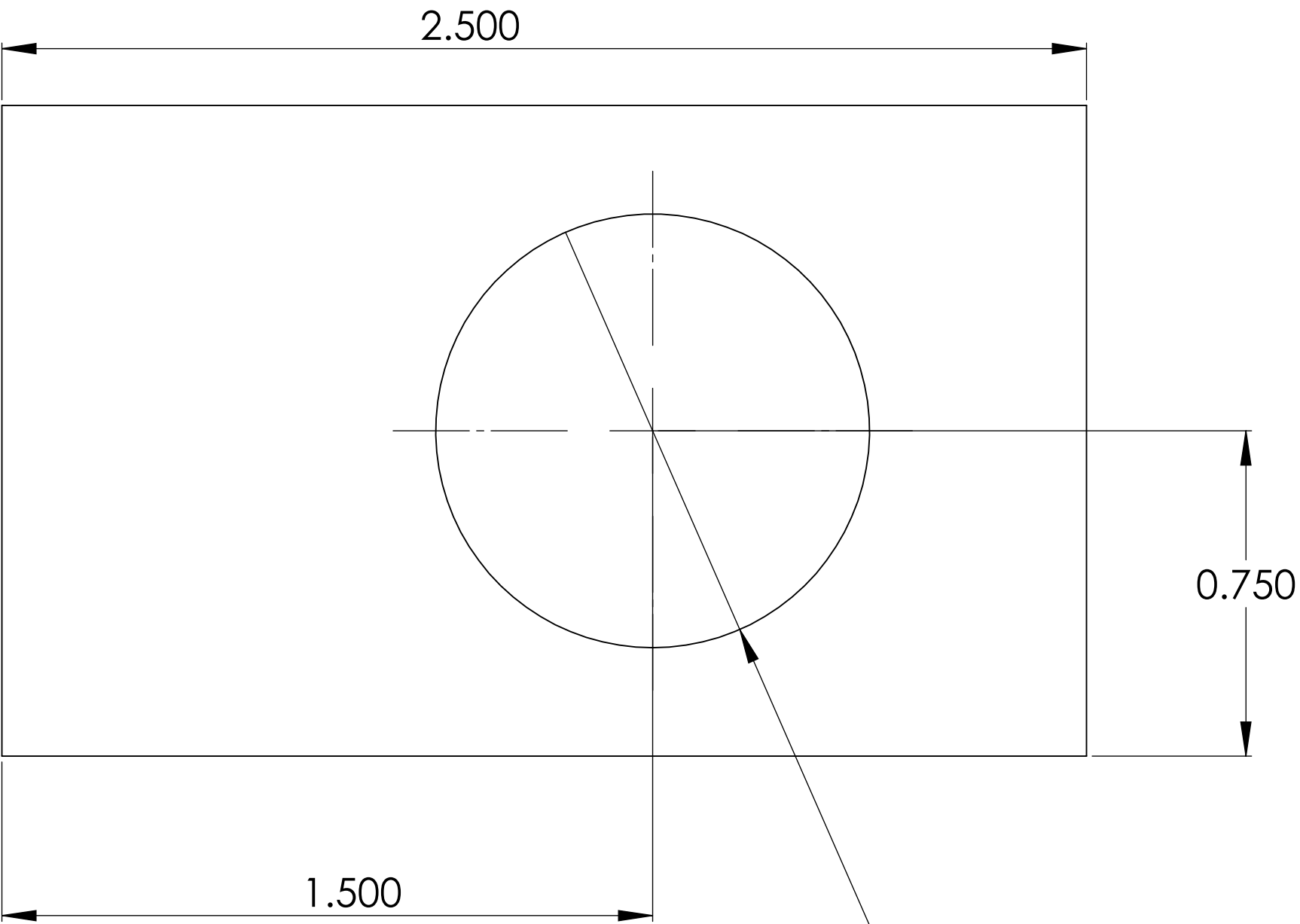
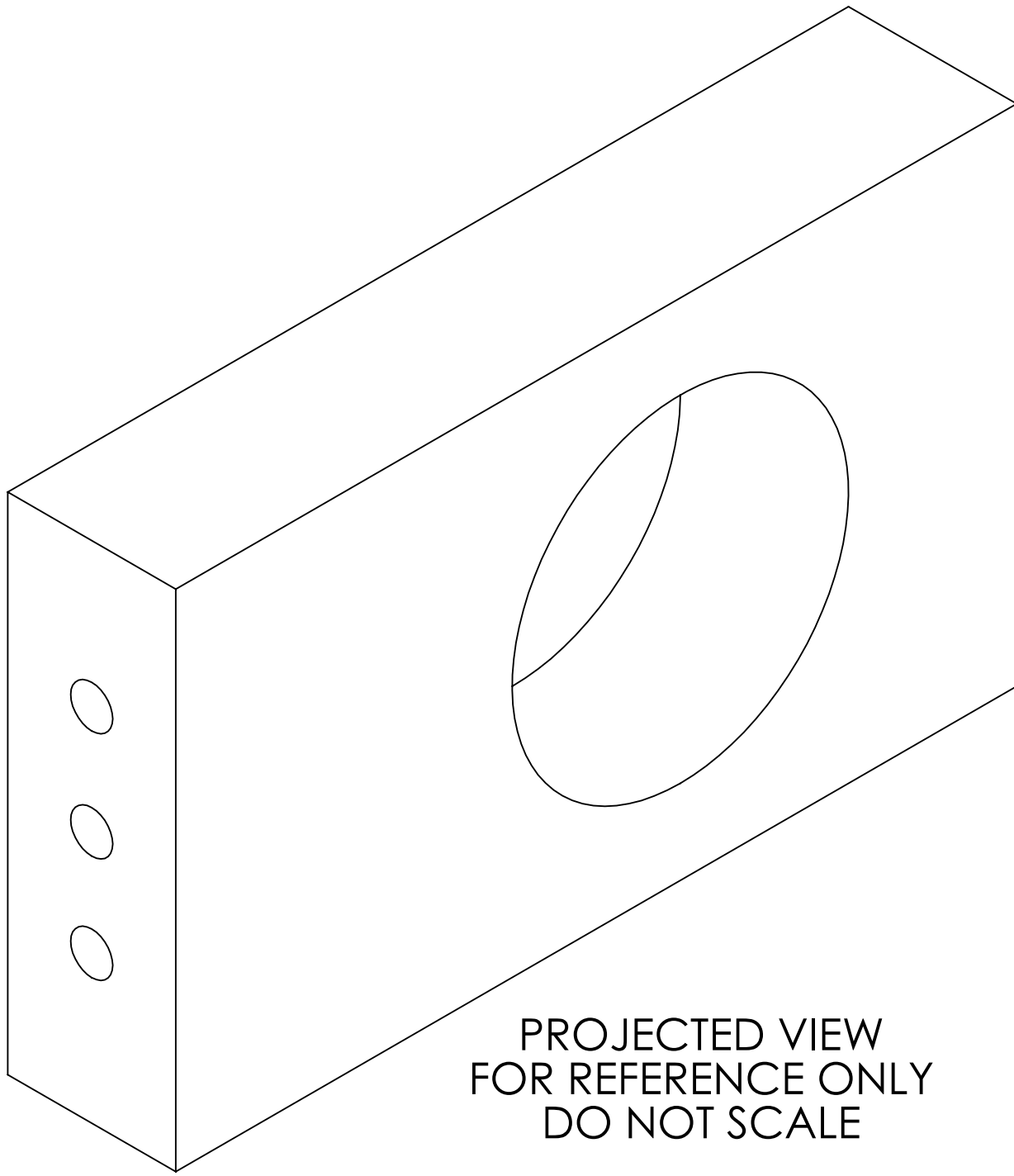
TAG	X LOC	Y LOC	SIZE
A1	0.250	-0.250	Ø 0.257 ▾ 1.500
A2	3.250	-0.250	Ø 0.257 ▾ 1.500
B1	1.250	-0.250	Ø 0.250 ▾ 1.500
B2	2.250	-0.250	Ø 0.250 ▾ 1.500
C1	1.438	-1.312	Ø 0.170 ▾ 1.500
C2	1.438	-1.000	Ø 0.170 ▾ 1.500
C3	2.063	-1.312	Ø 0.170 ▾ 1.500
C4	2.063	-1.000	Ø 0.170 ▾ 1.500
D1	1.750	-1.312	Ø 0.125 ▾ 1.500
D2	1.750	-1.000	Ø 0.125 ▾ 1.500



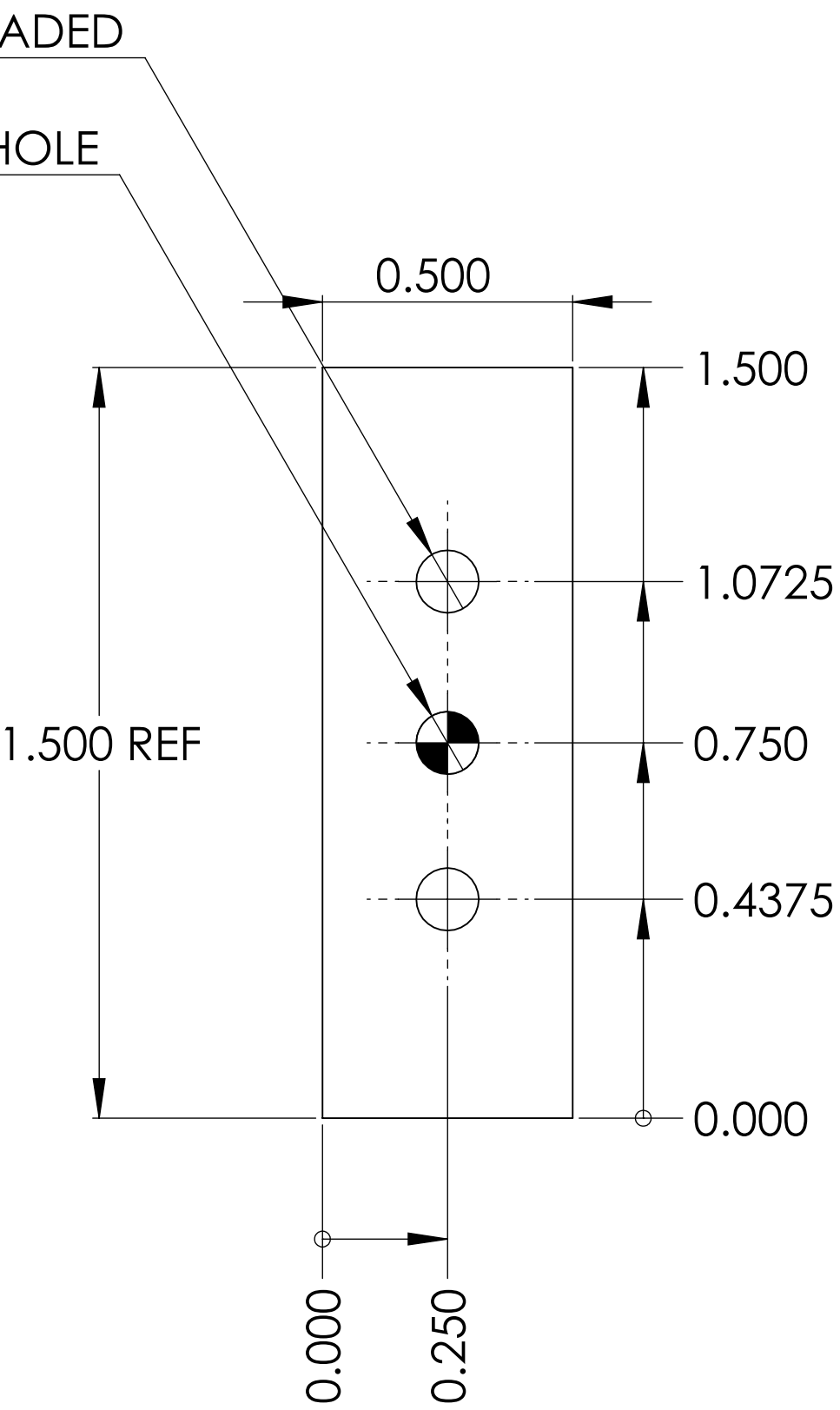
2. ALIGN USING DOWELL PINS
1. REMOVE ALL BURRS AND SHARP EDGES .003 TO .010

NOTES: UNLESS OTHERWISE SPECIFIED

		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES DECIMALS ANGLES .XX" ± .03 .XXX" ± .010 ±1/2		CONTRACT NO		Folkers E. Rojas UROP Production <i>Massachusetts Institute of Technology Boston, MA 02139</i>									
				APPVD				DATE							
				DWN				F.E. Rojas							
				CHK											
				STRCT				POETS on IRTF Interior Hardware: Optic 2 Stand Vertical							
				MATL											
				THRM CONT											
				MATERIAL				SCALE		CAGE NO		FILE:		REV	
		10-016		AL 6061 USE CAST AL				D		10-019		PART		B	
APPLICATION		NEXT ASSEMBLY		USED ON		ENGR		SCALE 4/1		UNCLASSIFIED					
						DSGN SUPV									



Ø 1.000 THREADED 14TPI
MADE TO FIT WITH OPTICS2/3 HOLDER

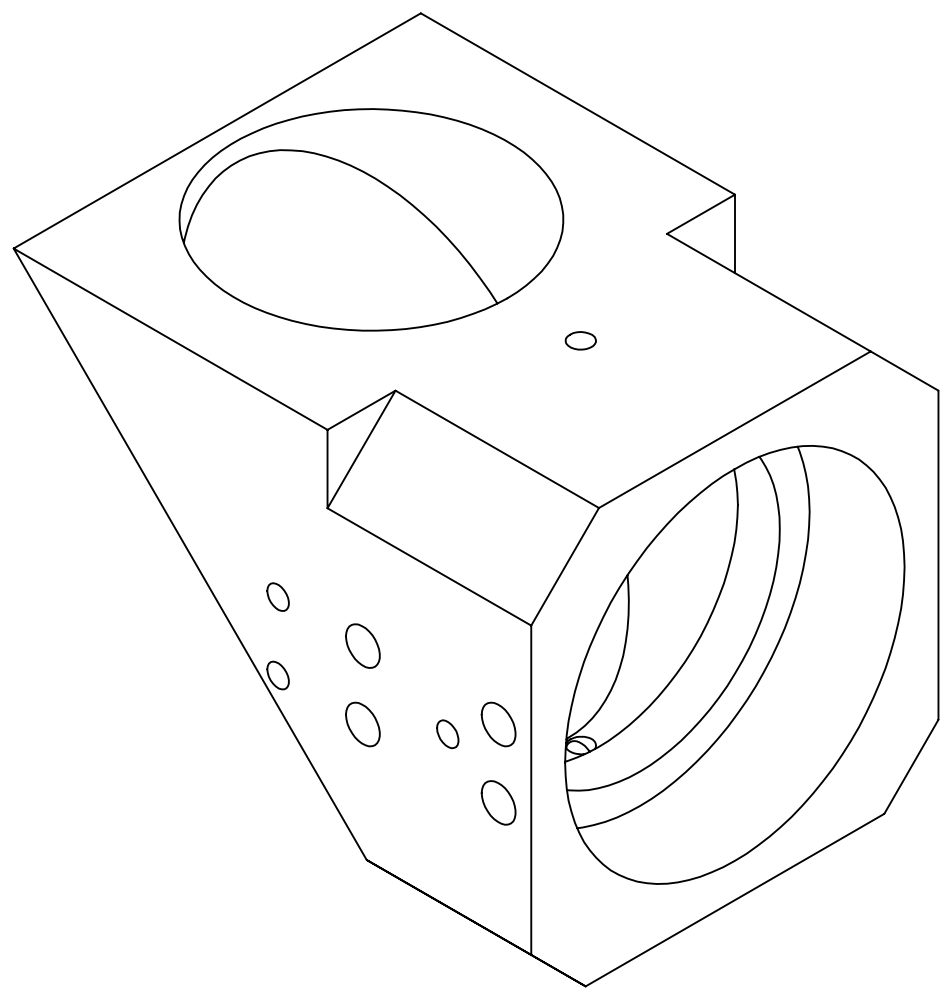


2. REMOVE ALL BURRS AND SHARP EDGES .003 TO .010

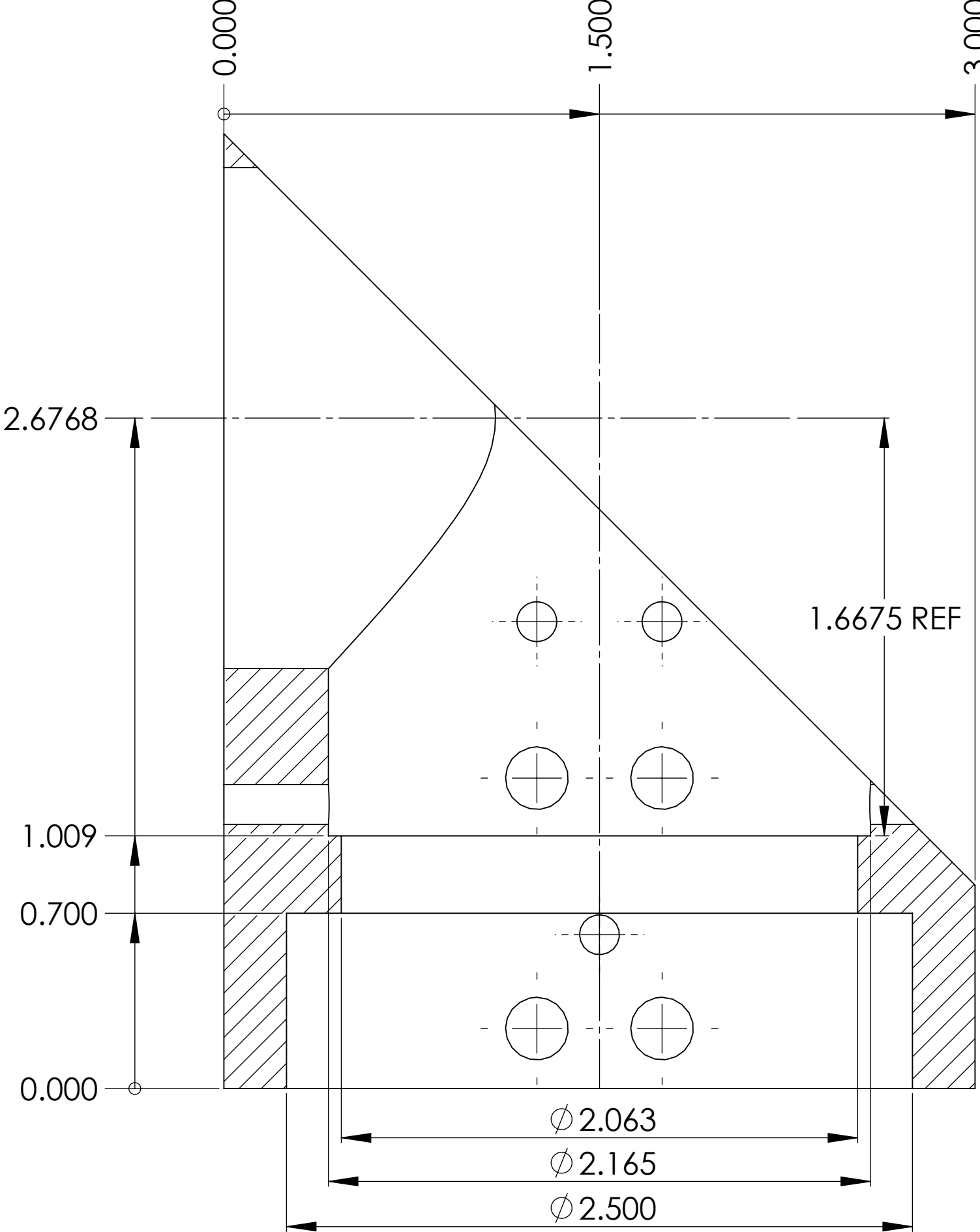
1. OUTER THEAD MADE TO FIT WITH PART 10-024

NOTES: UNLESS OTHERWISE SPECIFIED

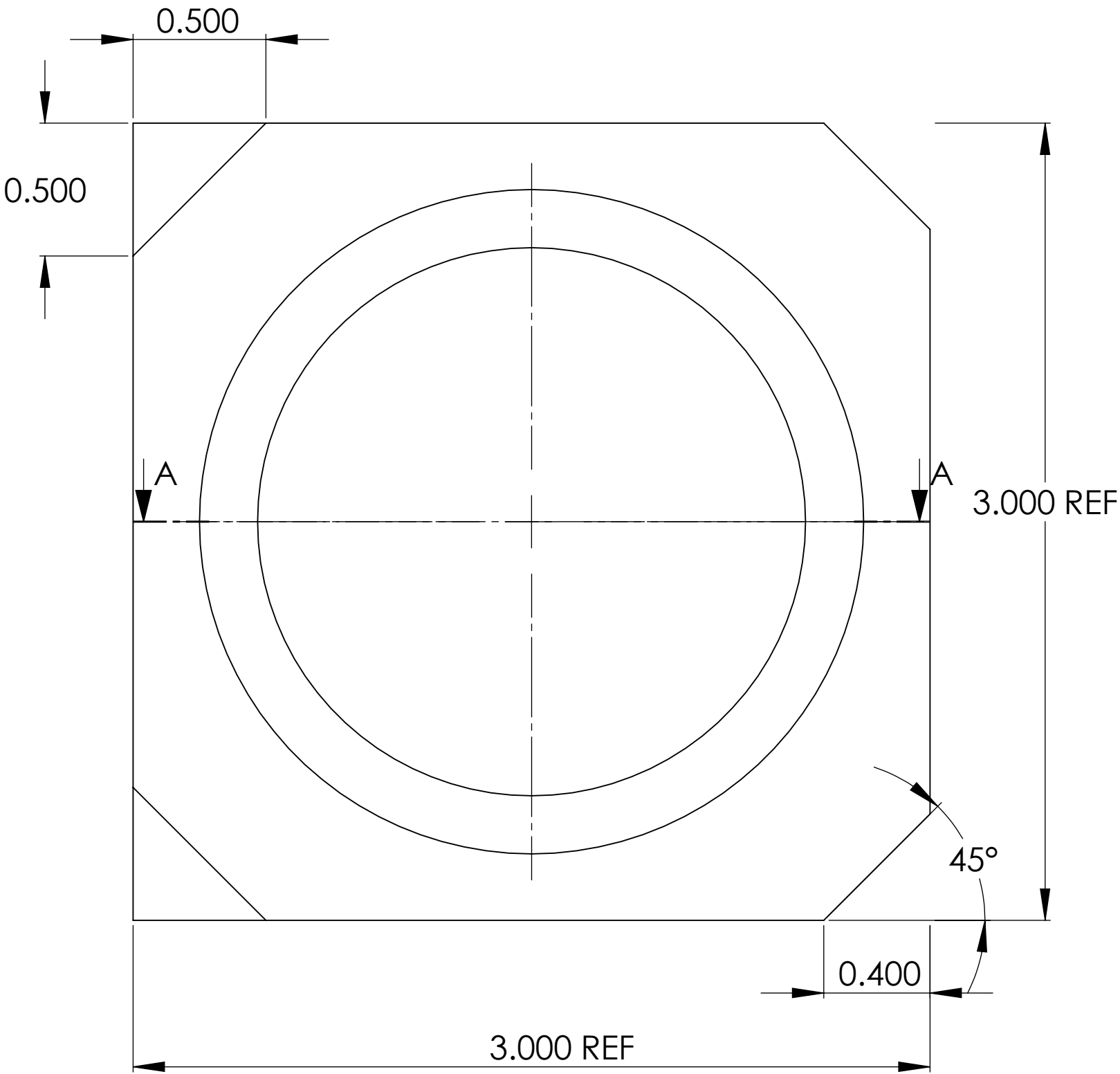
		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES DECIMALS .XX" ± .03 .XXX" ± .010 ANGLES ±1/2 MACHINE FINISH DO NOT SCALE DRAWING INTERPRET DWG BY ISO	CONTRACT NO		Folkers E. Rojas UROP Production <i>Massachusetts Institute of Technology Boston, MA 02139</i>			
			APPVD	DATE				
			DWN	F.E. Rojas				
			CHK					
		MATERIAL AL 6061 USE CAST AL	STRCT		POETS on IRTF Interior Hardware: Optic 2 Stand Horizontal			
			MATL					
			THRM CONT					
	10-016	APPLICATION	ENGR		SCALE D	CAGE NO 10-020-B	FILE: PART	REV B
NEXT ASSEMBLY	USED ON		DSGN SUPV		SCALE 3/1	UNCLASSIFIED		



PROJECTED VIEW
FOR REFERENCE ONLY
DO NOT SCALE

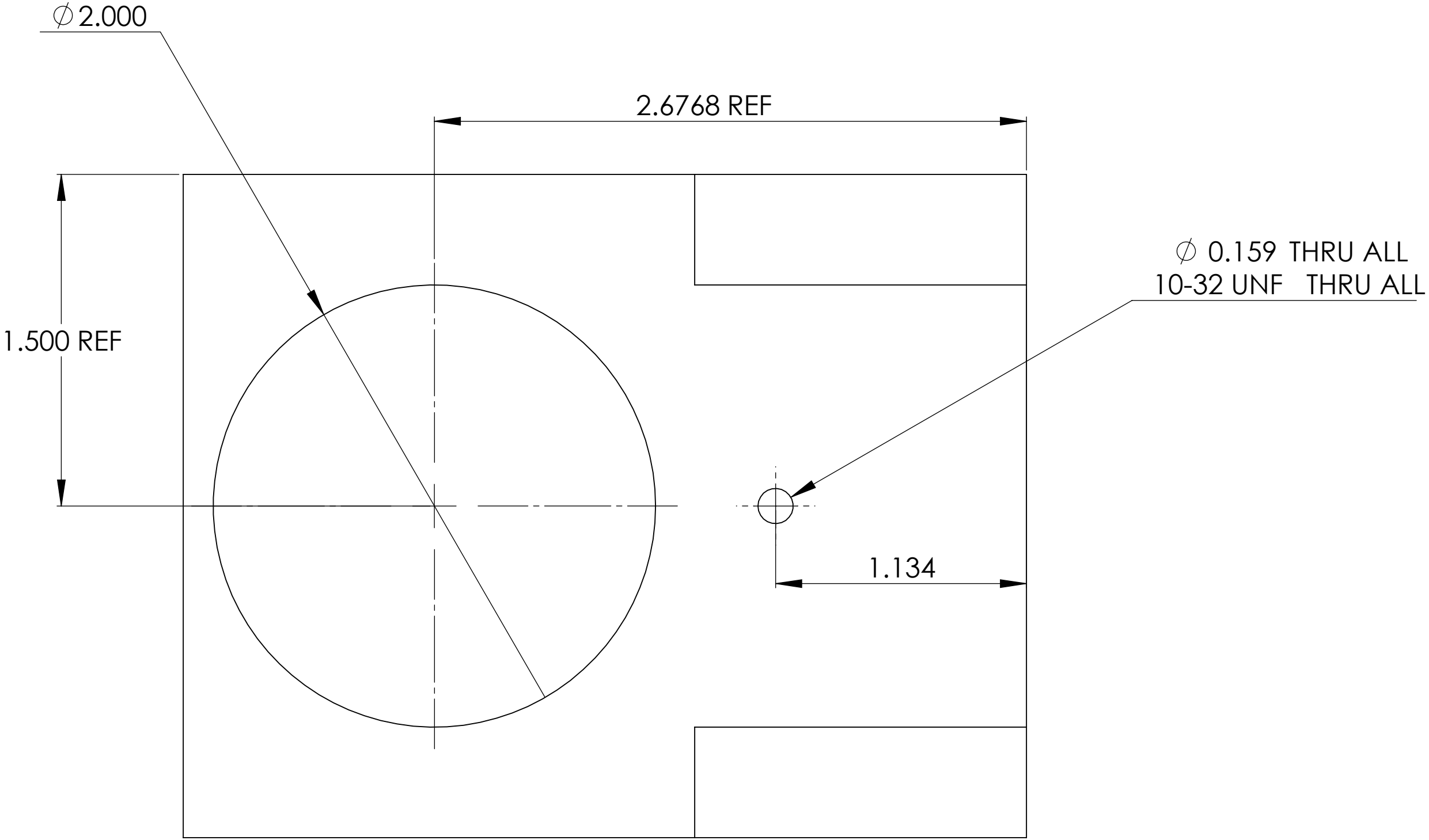
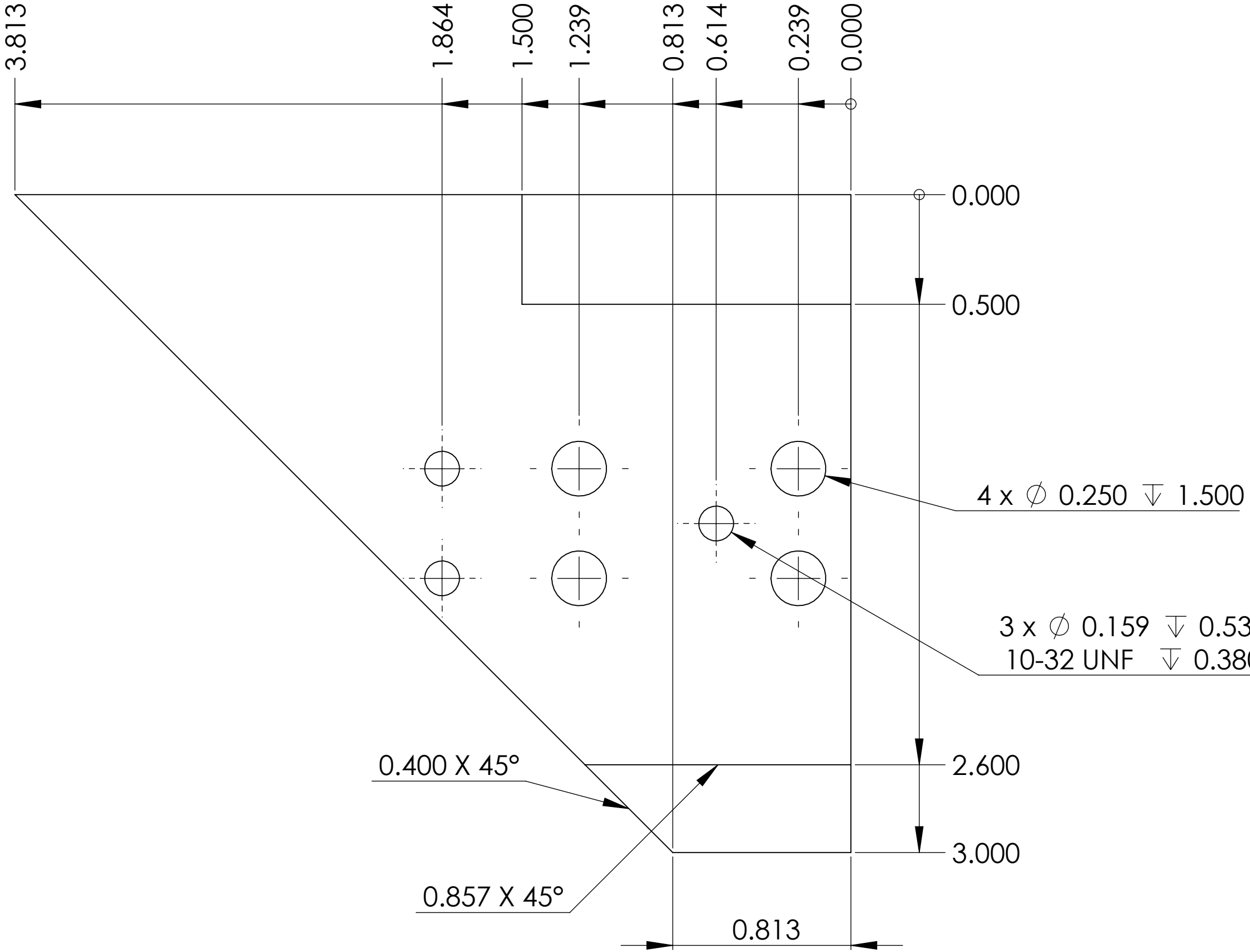


SECTION A-A
SCALE 2 : 1



3. FIT TO ASSEMBLY xxx
2. ALIGN USING DOWELL PINS
1. REMOVE ALL BURRS AND SHARP EDGES .003 TO .010

NOTES: UNLESS OTHERWISE SPECIFIED

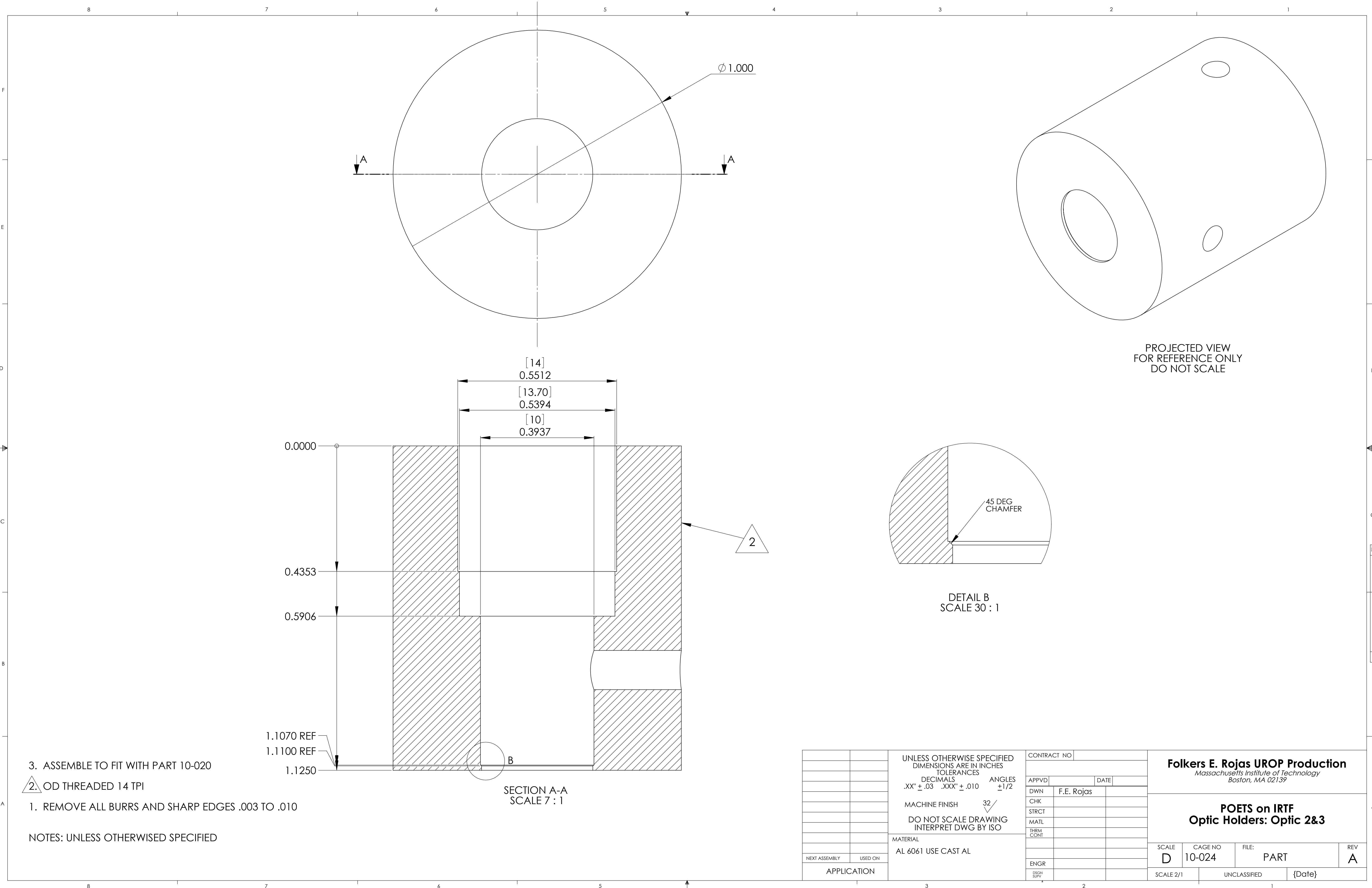


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DRAWINGS OF NEW 45DEGREE MIRROR HOLDER WERE
CREATED BY VERN STAHLBERGER FOR MANUFACTURING.
NOT INCLUDED IN THIS DRAWING SET.

2. ALIGN USING DOWELL PINS
1. REMOVE ALL BURRS AND SHARP EDGES .003 TO .010
- NOTES: UNLESS OTHERWISE SPECIFIED

		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES DECIMALS ANGLES .XX" ± .03 .XXX" ± .010 ±1/2 MACHINE FINISH 32 / DO NOT SCALE DRAWING INTERPRET DWG BY ISO MATERIAL AL 6061 USE CAST AL	CONTRACT NO		Folkers E. Rojas UROP Production <i>Massachusetts Institute of Technology Boston, MA 02139</i>				
			APPVD						DATE
			DWN	F.E. Rojas		POETS on IRTF Optic Holders: 45 deg Mirror			
			CHK						
			STRCT						
			MATL						
			THRM CONT						
						SCALE	CAGE NO	FILE:	REV
	10-021					D	10-023	PART	B
NEXT ASSEMBLY	USED ON					SCALE 2/1		UNCLASSIFIED	
APPLICATION									



3. ASSEMBLE TO FIT WITH PART 10-020

2. OD THREADED 14 TPI

1. REMOVE ALL BURRS AND SHARP EDGES .003 TO .010

NOTES: UNLESS OTHERWISE SPECIFIED

SECTION A-A
SCALE 7 : 1

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
TOLERANCES
DECIMALS ANGLES
.XX" \pm .03 .XXX" \pm .010 $\pm 1/2$
MACHINE FINISH 32
DO NOT SCALE DRAWING
INTERPRET DWG BY ISO

MATERIAL
AL 6061 USE CAST AL

CONTRACT NO

APPVD

DATE

DWN

F.E. Rojas

CHK

STRCT

MATL

THRM

CONT

ENGR

DSGN

SUPV

Folkers E. Rojas UROP Production
*Massachusetts Institute of Technology
Boston, MA 02139*

**POETS on IRTF
Optic Holders: Optic 2&3**

SCALE
D

CAGE NO
10-024

FILE:

PART

REV
A

SCALE 2/1

UNCLASSIFIED

{Date}

