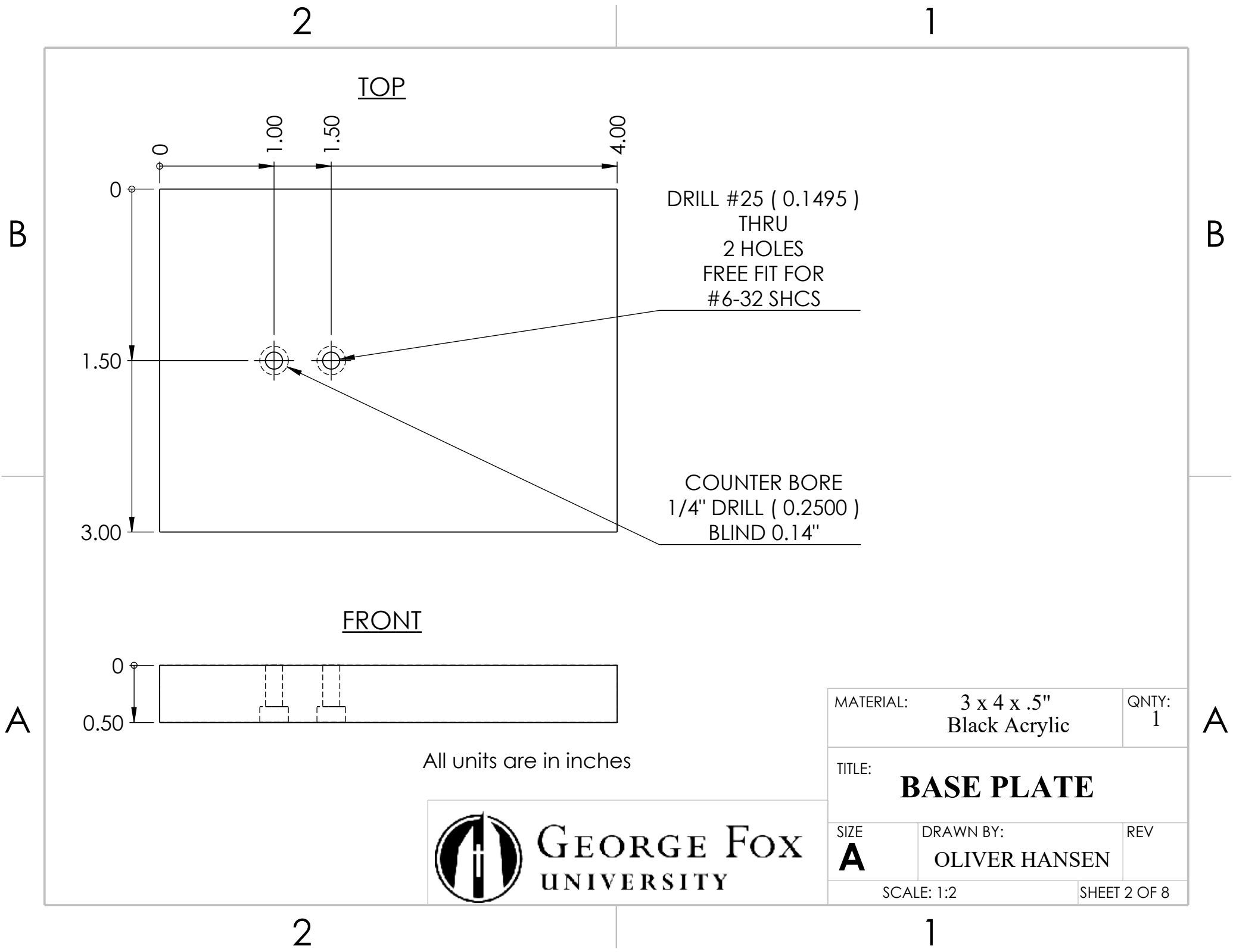


ITEM NO.	PART NUMBER	QTY.
1	BASE PLATE	1
2	VALVE PLATE	1
3	CYLINDER	1
4	CRANK SHAFT	1
5	FLYWHEEL	1
6	CRANK DISC	1
7	ECCENTRIC PIN	1
8	PISTON	1

MATERIAL: Acrylic, Aluminium, Brass, Steel		QNTY: 1
TITLE: ISOMETRIC & BOM VIEW		
SIZE A	DRAWN BY: OLIVER HANSEN	REV
SCALE: 1:1		SHEET 1 OF 8



All units are in inches



MATERIAL: 3 x 4 x .5" Black Acrylic		QNTY: 1
TITLE: BASE PLATE		
SIZE A	DRAWN BY: OLIVER HANSEN	REV
SCALE: 1:2		SHEET 2 OF 8

FRONT

BOTTOM

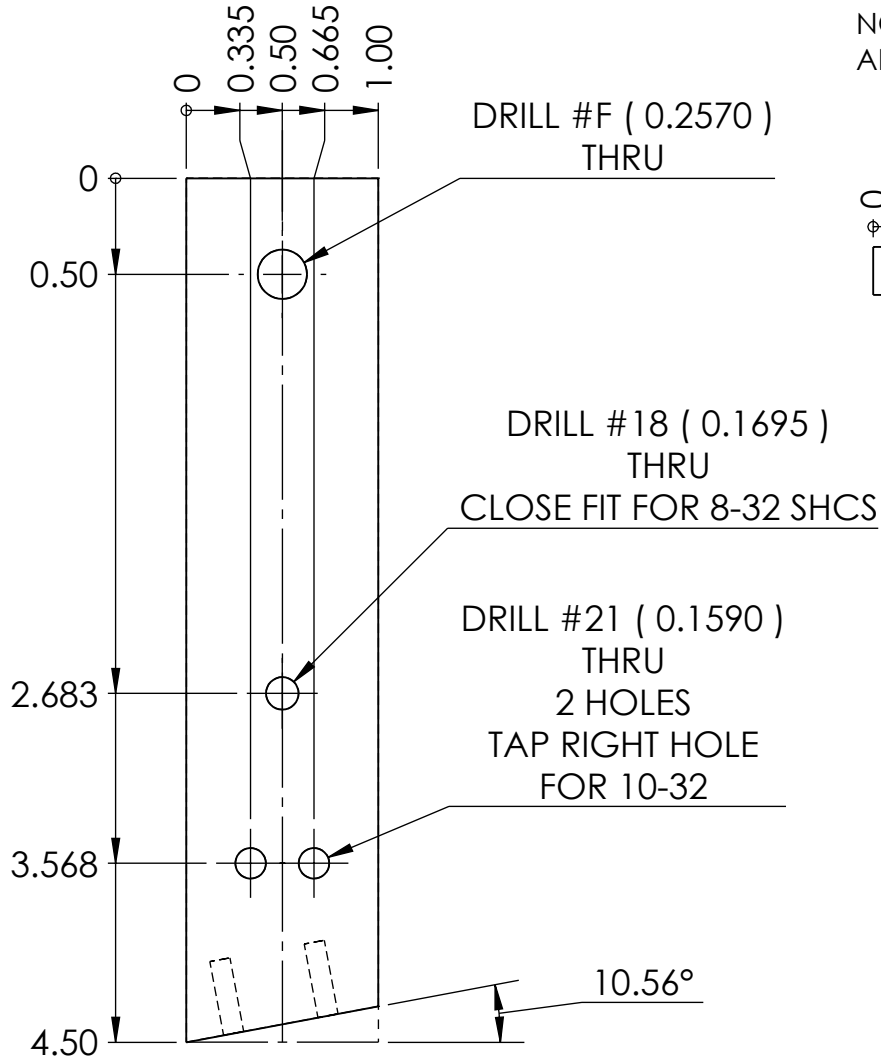
ISOMETRIC

B

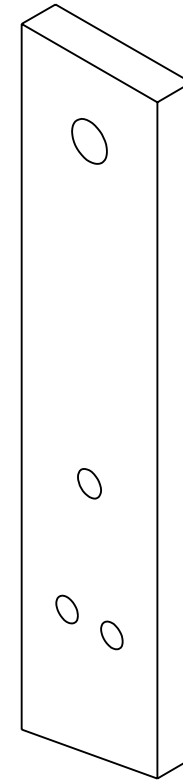
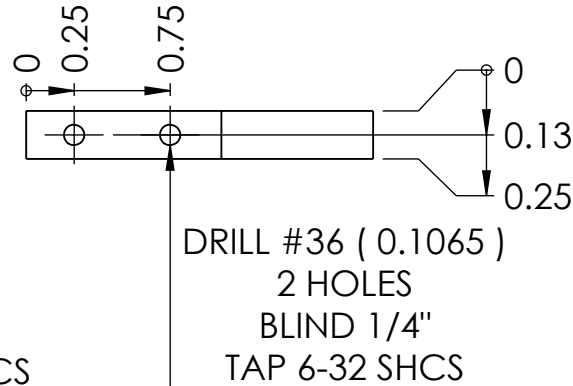
B

A

A



NOTE: RELATIVE TO
ANGLE CUT



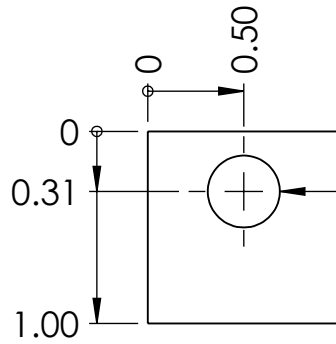
All units are in inches



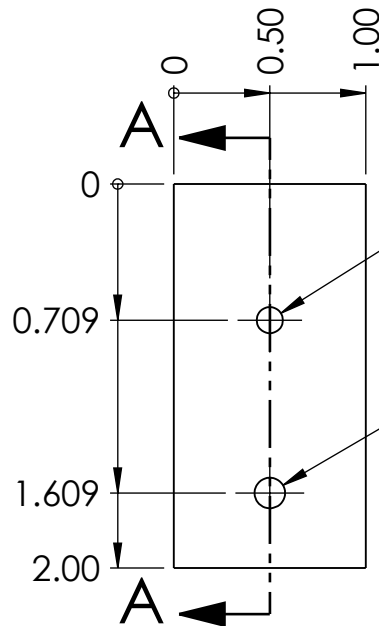
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MATERIAL: 1" x 4.5" Clear Acrylic		QNTY: 1
TITLE: VALVE PLATE		
SIZE A	DRAWN BY: OLIVER HANSEN	REV
SCALE: 1:1		SHEET 3 OF 8

B

TOP

DRILL #U (0.3680)
BLIND (1.83")
REAMED (3/8) +.001

FRONT

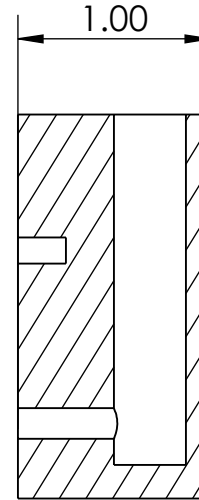
DRILL #29 (0.1360)
BLIND 1/4"
TAP #8-32

DRILL #21 (0.1590)
THRU TO BORE

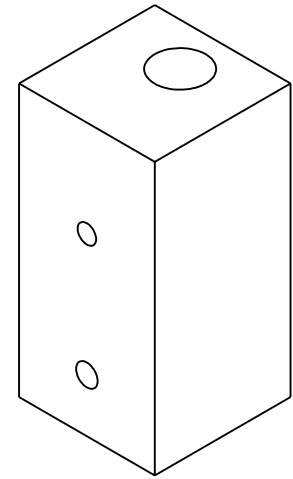
All units are in inches



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UNIVERSITY



SECTION A-A

ISOMETRIC

B

A

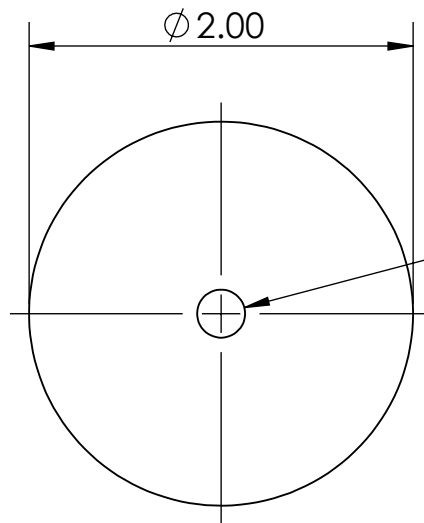
MATERIAL: 1" x 1" x 2" Aluminum		QNTY: 1
TITLE: CYLINDER		
SIZE A	DRAWN BY: OLIVER HANSEN	REV
SCALE: 1:1		SHEET 4 OF 8

2

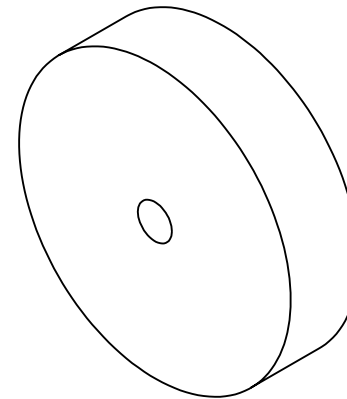
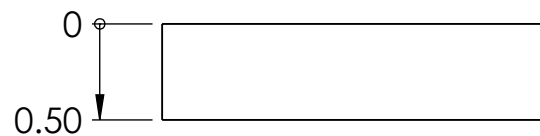
1

2

1

FRONTISOMETRIC

DRILL #B (0.2380)
THRU
REAMED 1/4" -0.001

TOP

All units are in inches



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MATERIAL:		2" Ø x .5" Aluminum	QNTY: 1
TITLE: FLYWHEEL			
SIZE A	DRAWN BY: OLIVER HANSEN		REV
SCALE: 1:1			SHEET 5 OF 8

2

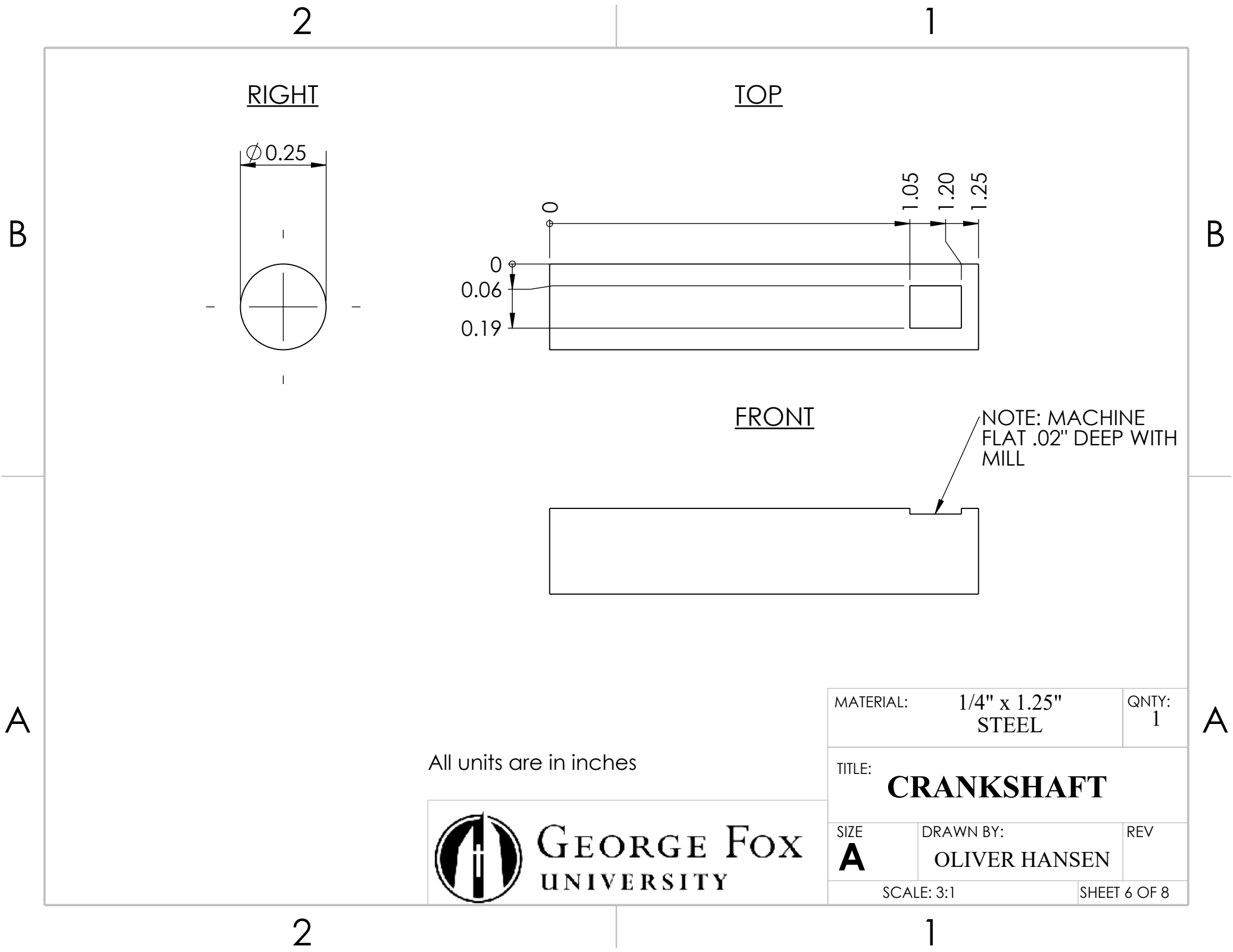
1

B

B

A

A



2

1

FRONT

DRILL #31 (0.1200)
THRU
REAMED 1/8" -.001"

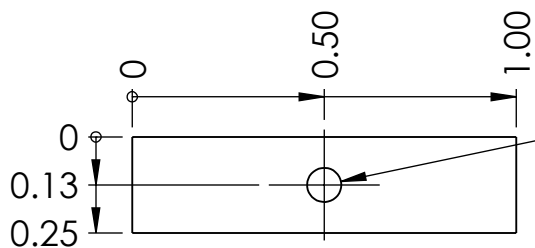
ISOMETRIC

0.400

DRILL #B (0.2380)
REAMED 1/4" +.001"

TOP

DRILL #43 (0.0890)
THRU TO BORE
TAP #4-40



All units are in inches



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MATERIAL:	1" Ø x 1/4" Aluminum	QNTY: 1
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TITLE:	CRANK DISC
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SIZE A	DRAWN BY: OLIVER HANSEN	REV
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SCALE: 2:1

SHEET 7 OF 8

2

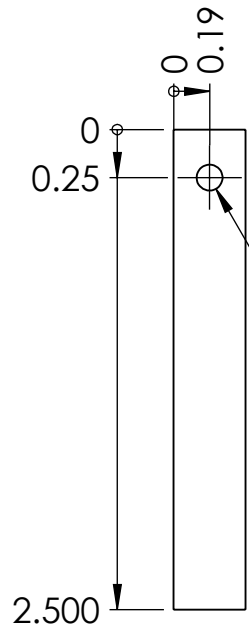
1

2

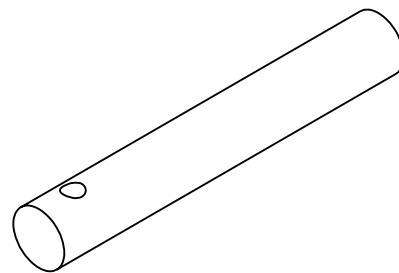
1

FRONT

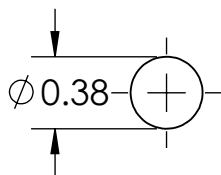
ISOMETRIC



DRILL #31 (0.1200)
THRU
REAMED 1/8" +.001"



TOP



All units are in inches



GEORGE FOX
UNIVERSITY

MATERIAL: 3/8" Ø x 2.5" Brass		QNTY: 1
TITLE: PISTON		
SIZE A	DRAWN BY: OLIVER HANSEN	REV
SCALE: 1:1		SHEET 8 OF 8

2

1

B

B

A

A