

2

1

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

B

B

A

A

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



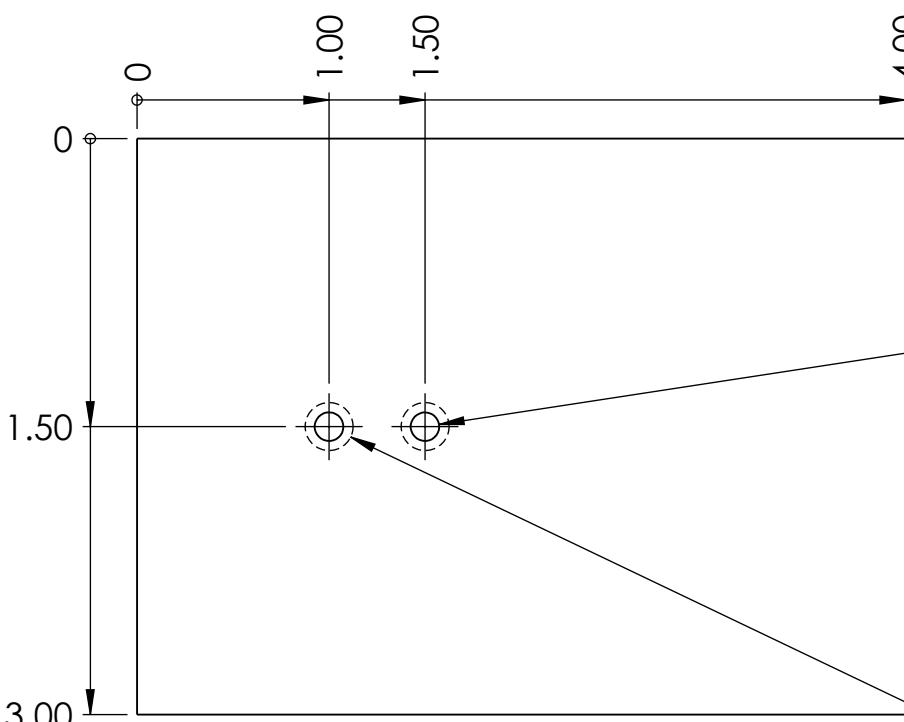
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2

1

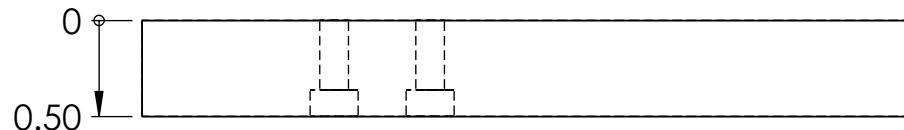
2

1

TOP

B

B

FRONT

All units are in inches

MATERIAL:	3 x 4 x .5"	QNTY:
	Black Acrylic	1

TITLE:	BASE PLATE	
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SIZE A	DRAWN BY: OLIVER HANSEN	REV
SCALE: 1:2		SHEET 2 OF 8

2

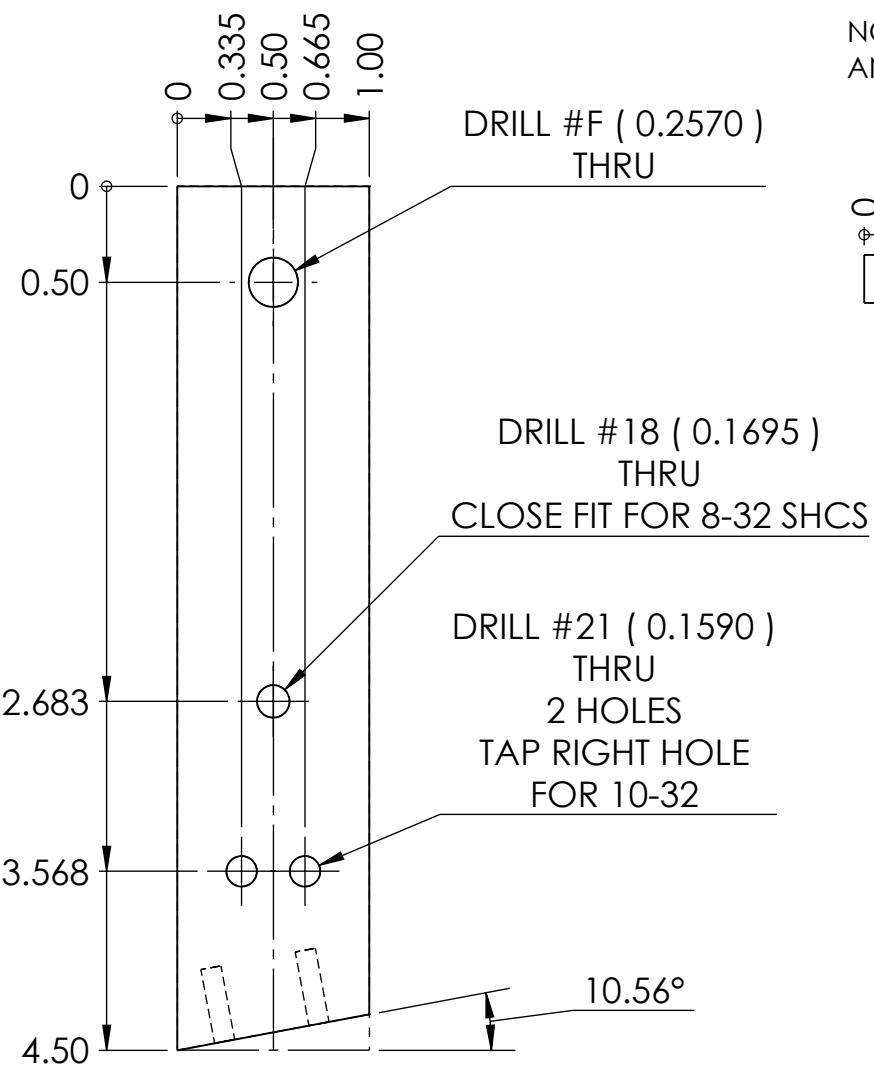
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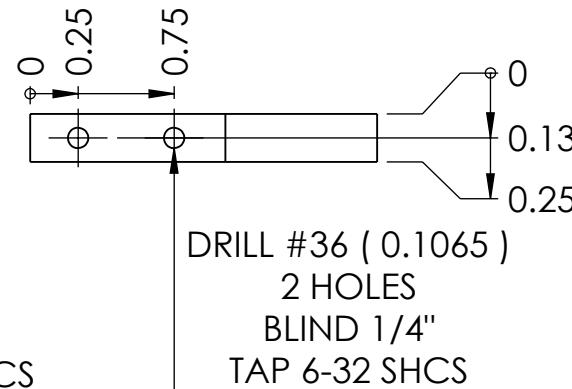
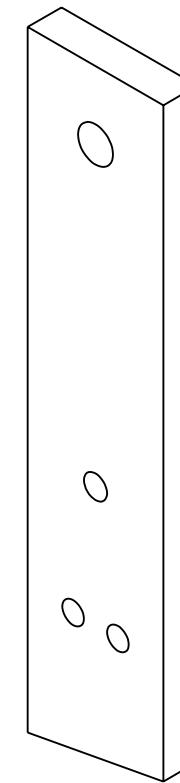
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1

FRONTBOTTOM

NOTE: RELATIVE TO
ANGLE CUT

ISOMETRIC

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All units are in inches

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

2

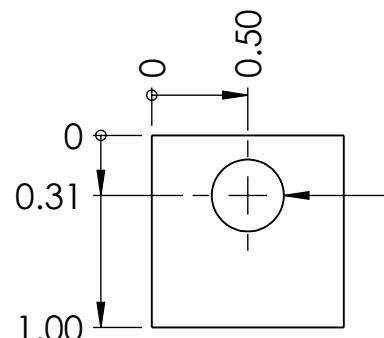
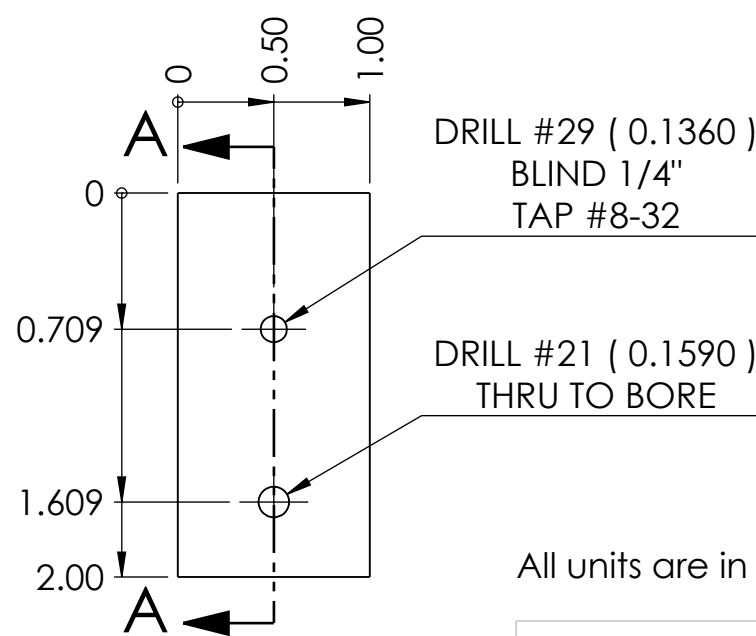
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B

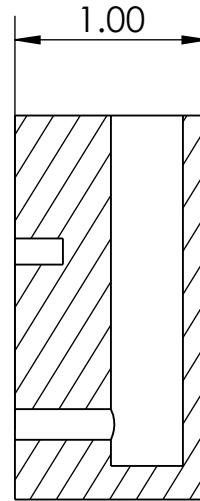
A

2

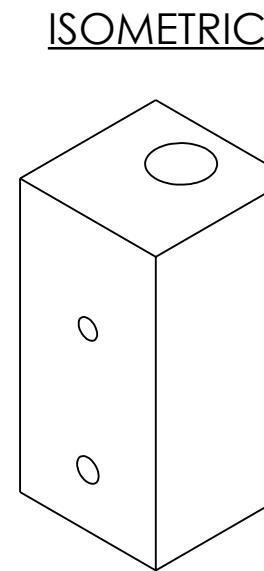
1

TOPFRONT

All units are in inches



SECTION A-A

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

2

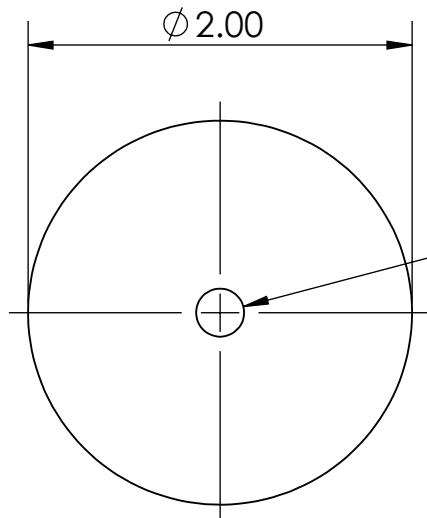
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B

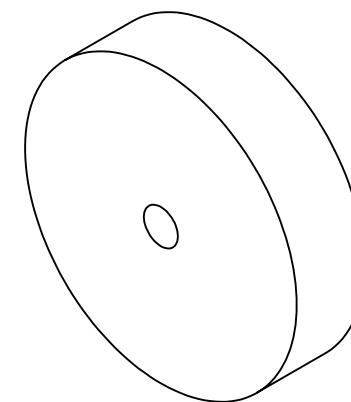
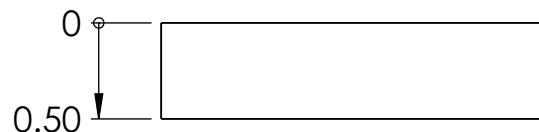
A

2

1

FRONT

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

ISOMETRICTOP

All units are in inches



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

2

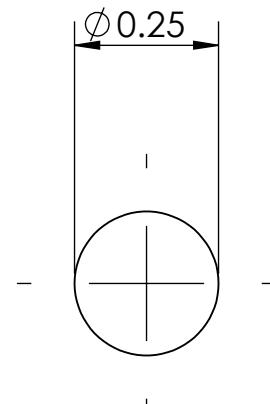
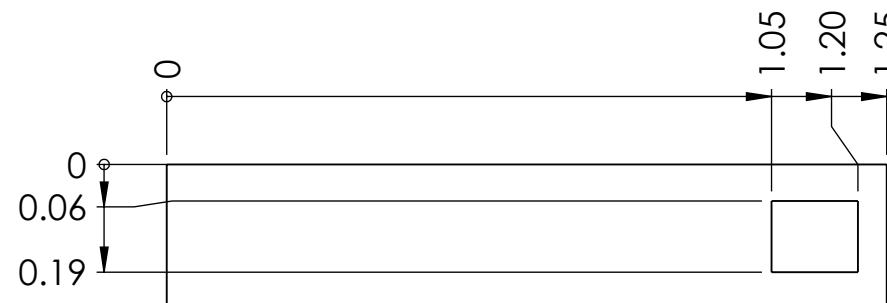
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B

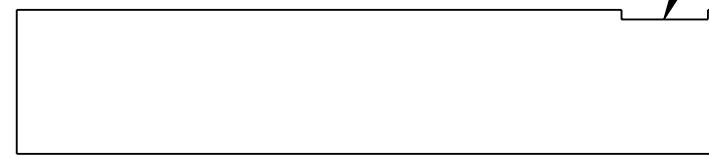
A

2

1

RIGHTTOP

B

FRONT

NOTE: MACHINE
FLAT .02" DEEP WITH
MILL

All units are in inches

MATERIAL:	1/4" x 1.25"	QNTY:
	STEEL	1

TITLE:	CRANKSHAFT
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SIZE	DRAWN BY:	REV
A	OLIVER HANSEN	
SCALE: 3:1		SHEET 6 OF 8

2

1



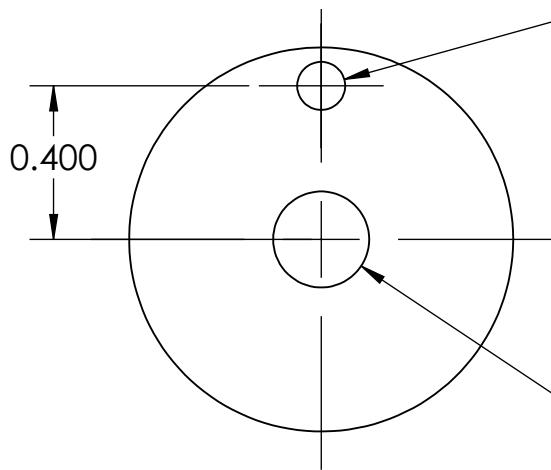
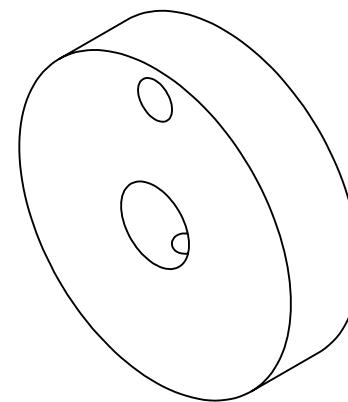
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2

1

FRONT

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

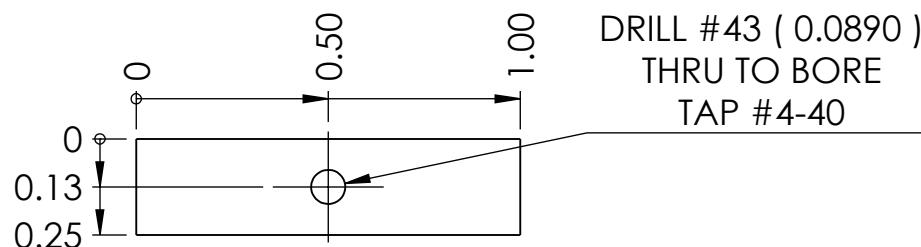
ISOMETRIC

B

B

TOP

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



A

A

All units are in inches

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
SCALE: 2:1		SHEET 7 OF 8

2

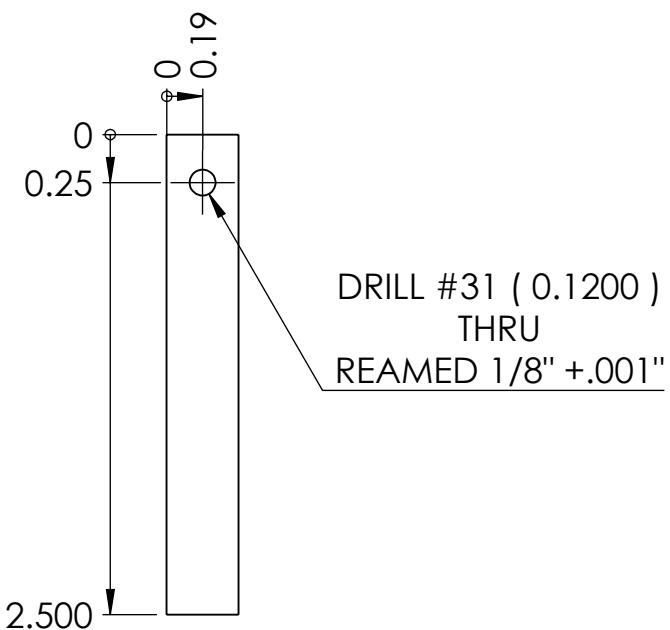
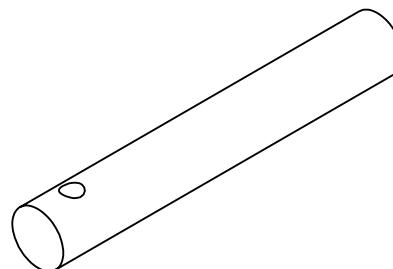
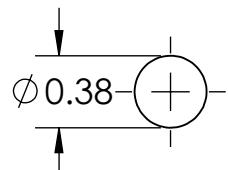
1



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2

1

FRONTISOMETRICTOP

All units are in inches

MATERIAL:	3/8" Ø x 2.5" Brass	QNTY: 1
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TITLE:

PISTON

SIZE A	DRAWN BY: OLIVER HANSEN	REV
SCALE: 1:1		SHEET 8 OF 8

2

1



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B

A