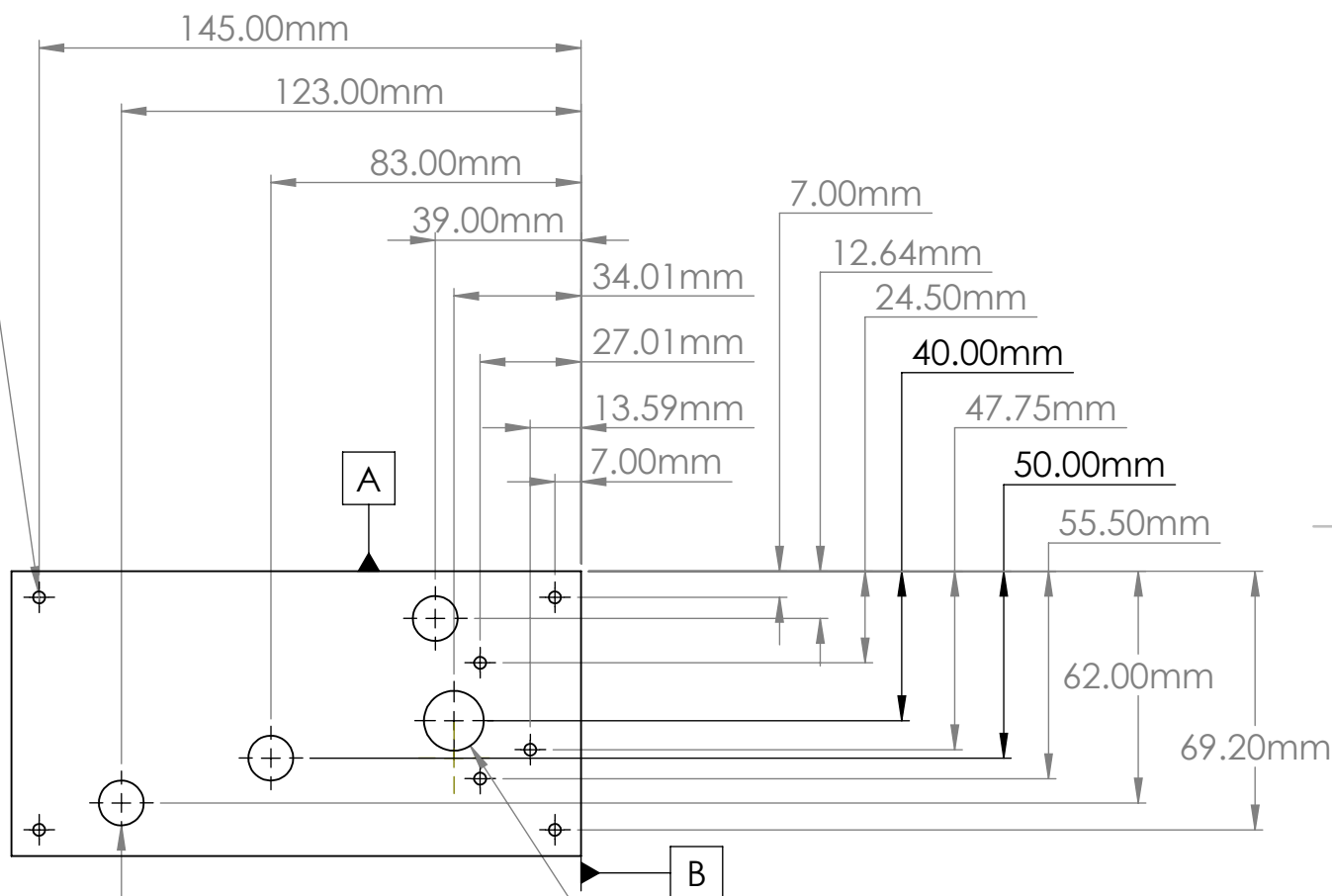


NOTE: THIS PAGE HAS ALL DIMENSIONS FOR PART BUT IS DIFFICULT TO READ. THERE ARE TWO ADDITIONAL SHEETS THAT GROUP DIMENSIONS BY HOLE DIA.

7X ϕ 3.20mm THRU ALL
1/8" DRILL ACCEPTABLE



3X ϕ 12.00mm $\frac{H6}{k6}$ THRU ALL
(15/32" DRILL ACCEPTABLE
IF REAMED AFTER)

ϕ 16.00mm THRU ALL $\begin{matrix} +6.10 \\ 0.00 \end{matrix}$
(ACCEPTABLE DRILLS:
11/16"+ DRILL
22MM DRILL)

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MILLIMETERS
SURFACE FINISH: as machined
TOLERANCES:
LINEAR: $\pm 0.13\text{mm}$ (0.005in)
ANGULAR: ± 2 deg

FINISH: As machined
VENDOR: McMasterMcMaster
VENDOR: McMaster8574K281

DEBURR AND
BREAK SHARP
EDGES

TITLE:

Center plate

DO NOT SCALE DRAWING

REVISION 1

MATERIAL:

DWG NO.

NAME

DATE

PC High Viscosity

Y325_01b

DRAWN JW BOOTH

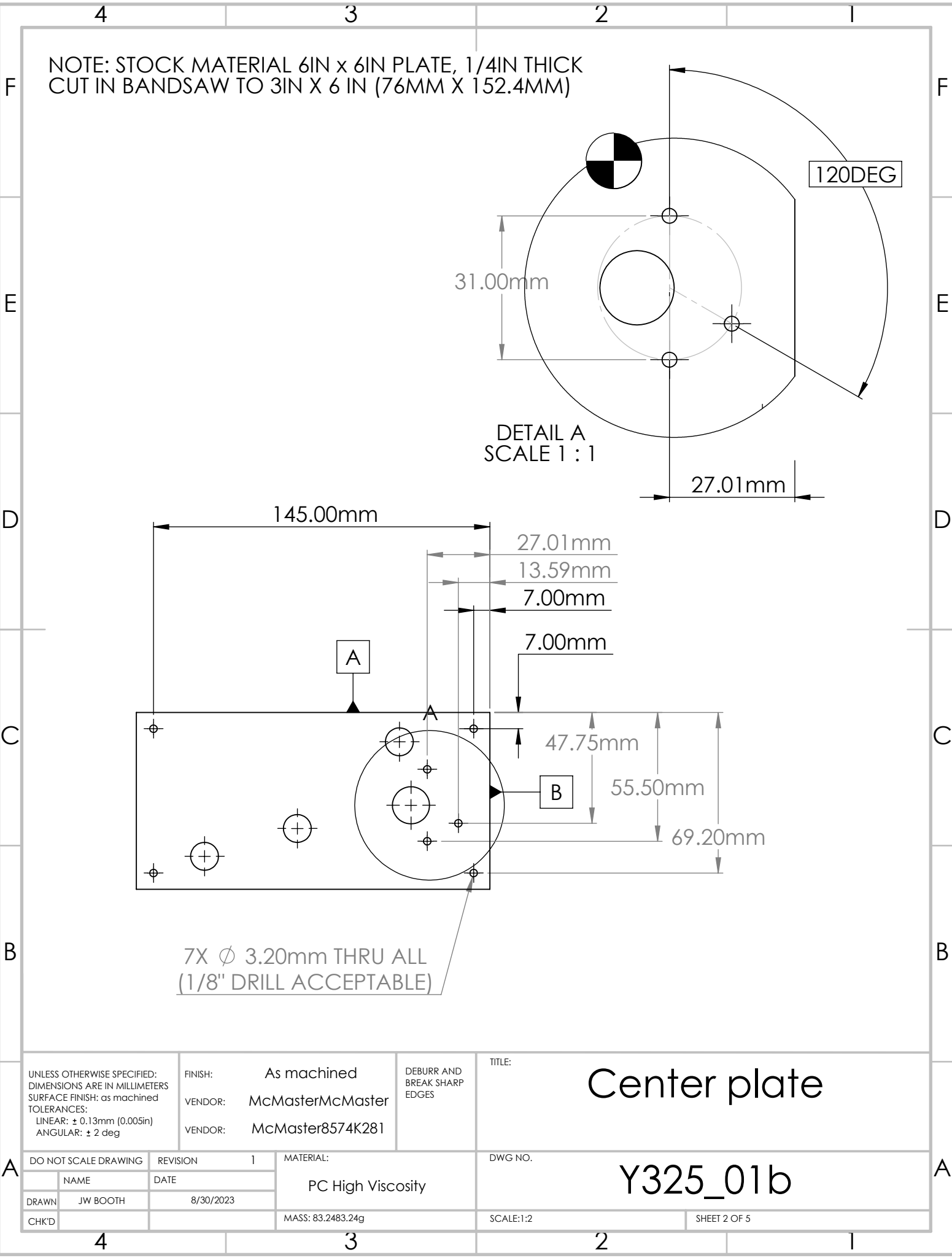
8/30/2023

MASS: 83.2483.24g

SCALE:1:2

SHEET 1 OF 5

CHK'D



NOTE: STOCK MATERIAL 6IN x 6IN PLATE, 1/4IN THICK
CUT IN BANDSAW TO 3IN X 6 IN (76MM X 152.4MM)

120DEG

DETAIL A
SCALE 1 : 1

27.01mm

145.00mm

27.01mm

13.59mm

7.00mm

7.00mm

A

B

47.75mm

55.50mm

69.20mm

7X Ø 3.20mm THRU ALL
(1/8" DRILL ACCEPTABLE)

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MILLIMETERS
SURFACE FINISH: as machined
TOLERANCES:
LINEAR: ± 0.13mm (0.005in)
ANGULAR: ± 2 deg

FINISH: As machined
VENDOR: McMasterMcMaster
VENDOR: McMaster8574K281

DEBURR AND
BREAK SHARP
EDGES

TITLE:
Center plate

DWG NO.
Y325_01b

| | | | |
|----------------------|----------|-----------|-------------------|
| DO NOT SCALE DRAWING | REVISION | 1 | MATERIAL: |
| NAME | DATE | | PC High Viscosity |
| DRAWN | JW BOOTH | 8/30/2023 | |
| CHK'D | | | MASS: 83.2483.24g |

SCALE:1:2
SHEET 2 OF 5

4

3

2

1

F

F

NOTE: STOCK MATERIAL 6IN x 6IN PLATE, 1/4IN THICK

- 1) DRILL 3MM HOLES (PRIOR PAGE)
- 2) CHANGE TOOL BUT DO NOT UNCLAMP PART!
- 3) DRILL 16MM HOLE
- 4) CHANGE TOOL
- 5) DRILL ALL 12MM HOLES
(STEPS 3 AND 5 CAN BE FLIPPED)

E

E

D

D

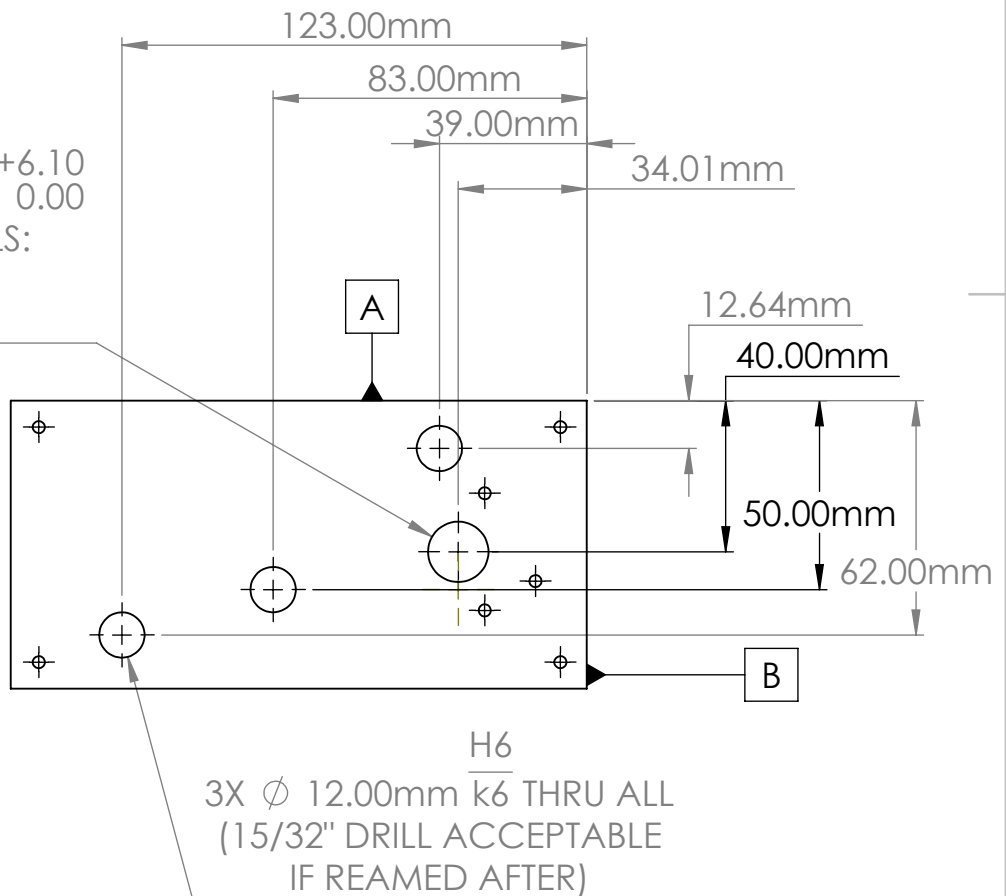
\varnothing 16.00mm THRU ALL $\begin{smallmatrix} +6.10 \\ 0.00 \end{smallmatrix}$
(ACCEPTABLE DRILLS:
11/16"+ DRILL
22MM DRILL)

C

C

B

B



A

A

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MILLIMETERS
SURFACE FINISH: as machined
TOLERANCES:
LINEAR: $\pm 0.13\text{mm}$ (0.005in)
ANGULAR: ± 2 deg

FINISH: As machined
VENDOR: McMasterMcMaster
VENDOR: McMaster8574K281

DEBURR AND
BREAK SHARP
EDGES

TITLE:

Center plate

DO NOT SCALE DRAWING

REVISION

1

MATERIAL:

PC High Viscosity

DWG NO.

Y325_01b

DRAWN JW BOOTH

8/30/2023

MASS: 83.2483.24g

SCALE:1:2

SHEET 3 OF 5

4

3

2

1

4

3

2

1

F

F

NOTE: STOCK MATERIAL 6IN x 6IN PLATE, 1/4IN THICK

1) 3MM HOLES AND 12MM HOLES ARE IN SAME POSITIONS AS CENTER PLATE

2) CUT 22MM AND 35MM HOLES ON A CNC

E

E

D

D

C

C

B

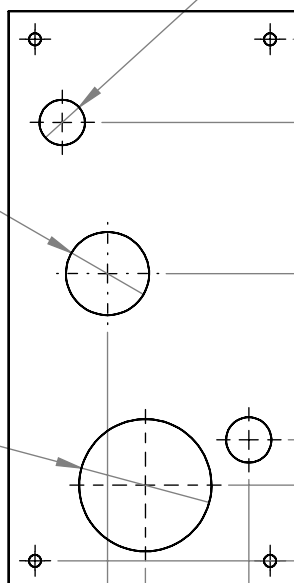
B

H6

2X ϕ 12.00mm K6 THRU ALL
15/32" DRILL ACCEPTABLE

ϕ 22.00mm

ϕ 35.00mm $\begin{matrix} +3.00 \\ 0.00 \end{matrix}$
 $\begin{bmatrix} 1.38\text{in} & +0.12 \\ & 0.00 \end{bmatrix}$



A

B

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MILLIMETERS
SURFACE FINISH: as machined
TOLERANCES:
LINEAR: $\pm 0.13\text{mm}$ (0.005in)
ANGULAR: ± 2 deg

FINISH: As machined
VENDOR: McMasterMcMaster
VENDOR: McMaster8574K281

DEBURR AND
BREAK SHARP
EDGES

TITLE:

6-bar plate

A

A

DO NOT SCALE DRAWING

REVISION

1

MATERIAL:

DWG NO.

NAME

DATE

PC High Viscosity

DRAWN

JW BOOTH

8/30/2023

CHK'D

MASS: 83.2475.66g

SCALE:1:2

SHEET 4 OF 5

4

3

2

1

4

3

2

1

F

F

NOTE: STOCK MATERIAL 6IN x 6IN PLATE, 1/4IN THICK

1) Zero to the A and B datums

2) Drill holes

E

E

D

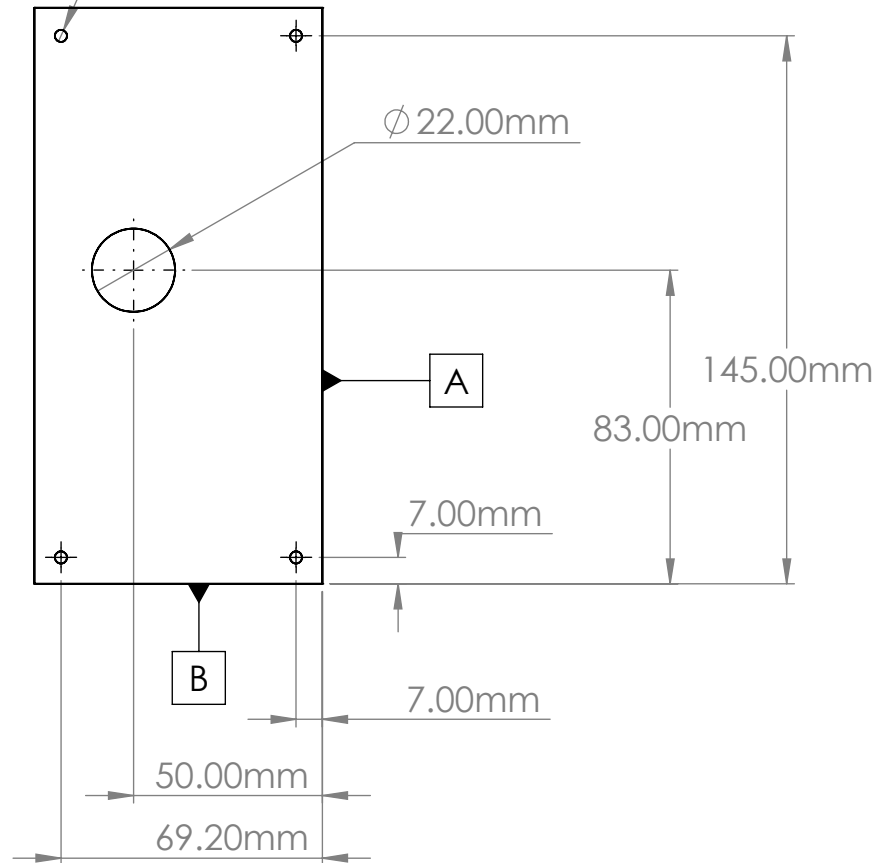
D

C

C

B

B

4X ϕ 3.20mm THRU ALL
#31 OR 1/8" DRILL ACCEPTABLE

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN MILLIMETERS
SURFACE FINISH: as machined
TOLERANCES:
LINEAR: $\pm 0.13\text{mm}$ (0.005in)
ANGULAR: ± 2 deg

FINISH:

As machined

VENDOR:

McMasterMcMaster

VENDOR:

McMaster8574K281

DEBURR AND
BREAK SHARP
EDGES

TITLE:

Flywheel plate

DWG NO.

Y325_01c

DO NOT SCALE DRAWING

REVISION

1

MATERIAL:

PC High Viscosity

NAME

DATE

DRAWN

JW BOOTH

8/30/2023

CHK'D

MASS: 83.2484.64g

SCALE:1:2

SHEET 5 OF 5

4

3

2

1

A

A