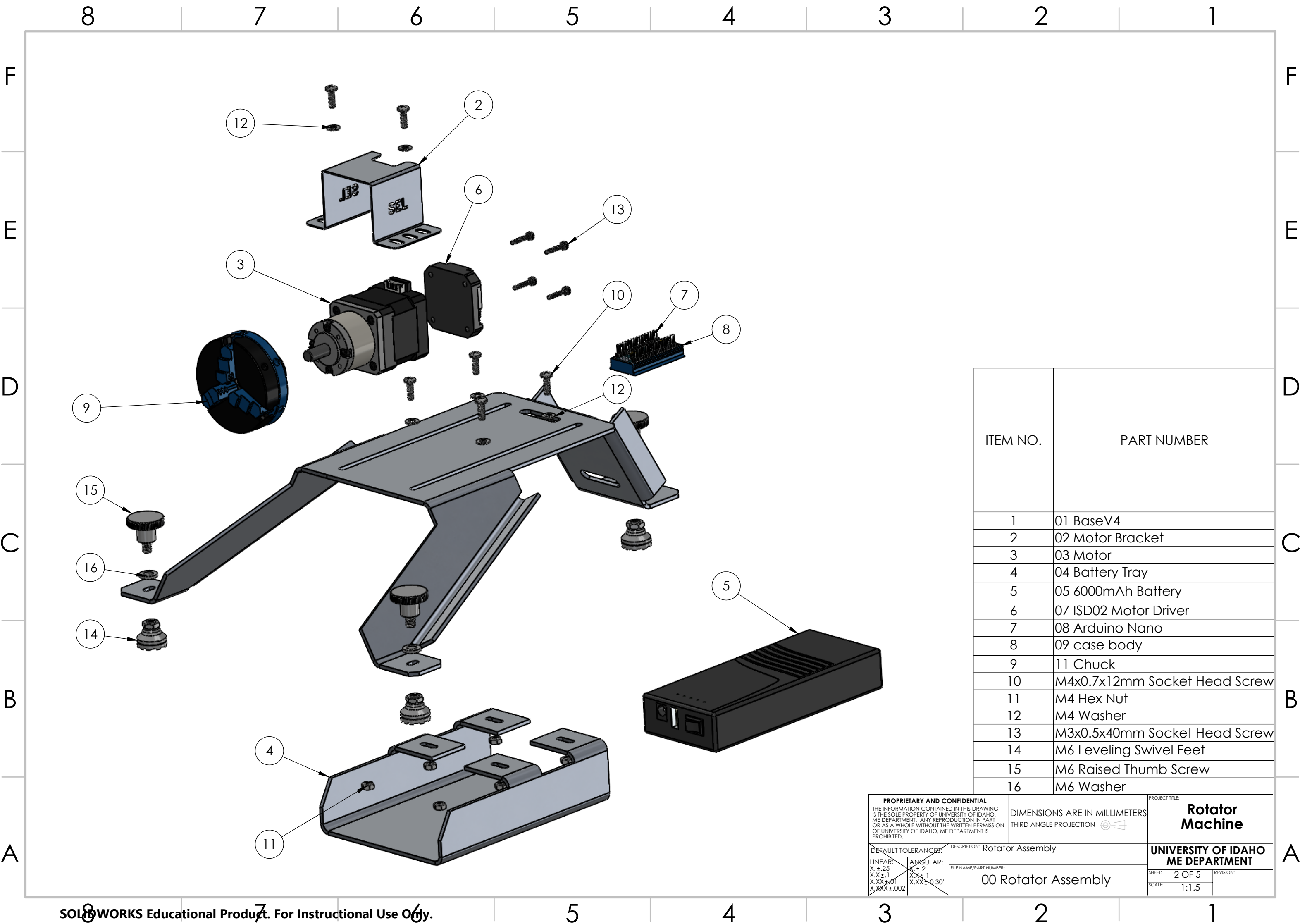


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DESCRIPTION: Rotator Assembly		UNIVERSITY OF IDAHO ME DEPARTMENT		SHEET: 1 OF 5 REVISION:	
FILE NAME/PART NUMBER: 00 Rotator Assembly		SCALE: 1:1.5			
DEFAULT TOLERANCES: LINEAR: X.±.25 X.X±.1 X.XX±.01 XXXX±.002		ANGULAR: X.± 2 X.X± 1 X.XX± 0.30°			



ITEM NO.	PART NUMBER
1	01 BaseV4
2	02 Motor Bracket
3	03 Motor
4	04 Battery Tray
5	05 6000mAh Battery
6	07 ISD02 Motor Driver
7	08 Arduino Nano
8	09 case body
9	11 Chuck
10	M4x0.7x12mm Socket Head Screw
11	M4 Hex Nut
12	M4 Washer
13	M3x0.5x40mm Socket Head Screw
14	M6 Leveling Swivel Feet
15	M6 Raised Thumb Screw
16	M6 Washer

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DIMENSIONS ARE IN MILLIMETERS
THIRD ANGLE PROJECTION

Rotator Machine
UNIVERSITY OF IDAHO ME DEPARTMENT

DESCRIPTION: Rotator Assembly
FILE NAME/PART NUMBER:
00 Rotator Assembly

SHEET: 2 OF 5
SCALE: 1:1.5

REVISION:

F

- Symmetric about centerline
- All chamfers are 5mm, 45°
- All bend radii are 3.9mm

F

E

E

D

D

C

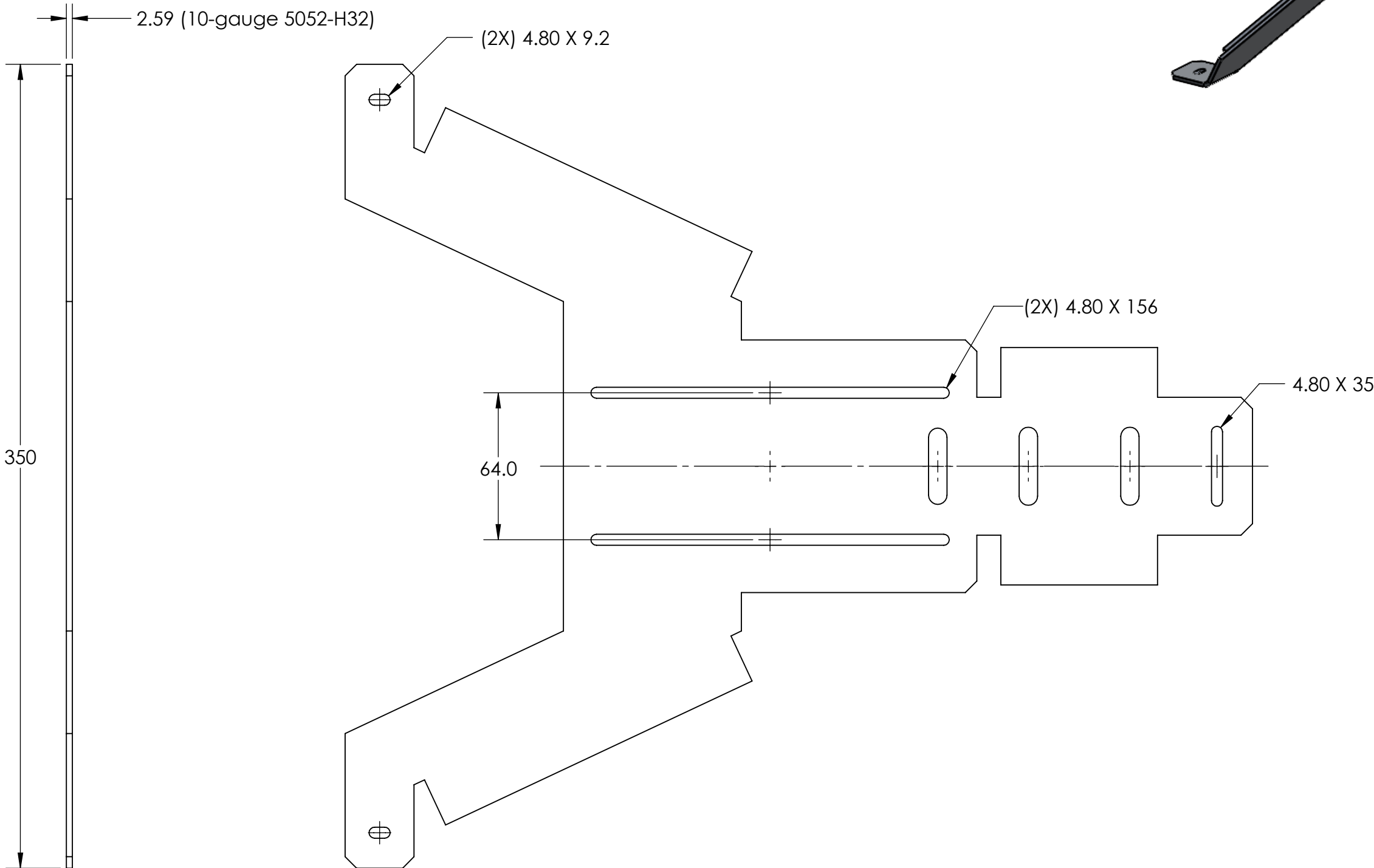
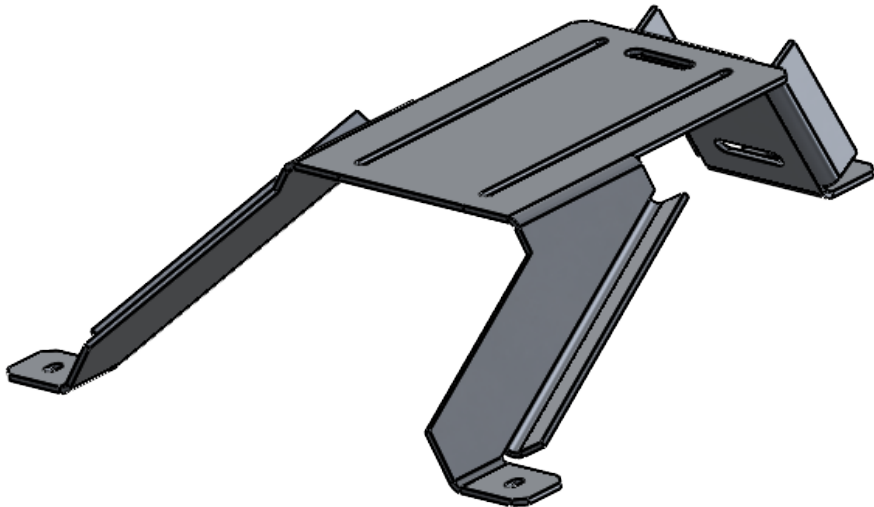
C


B

B

A

A



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DEFAULT TOLERANCES: LINEAR: X ± .25 X.X ± .1 X.XX ± .01 X.XXX ± .002		ANGULAR: X ± 2 X.X ± 1 X.XX ± 0.30°		DESCRIPTION: Base FILE NAME/PART NUMBER: 01 BaseV4	
				UNIVERSITY OF IDAHO ME DEPARTMENT	
				SHEET: 3 OF 5 SCALE: 1:1.5	REVISION:

All bend radii are 0.89mm

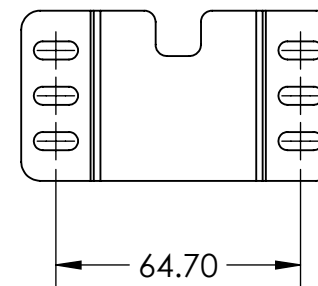
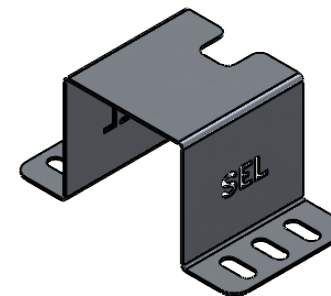
0.81 (16-gauge Al 5052-H32)

12

(6X) 4.80 X 11.7

SEL

SEL



64.70

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DIMENSIONS ARE IN MILLIMETERS

THIRD ANGLE PROJECTION

PROJECT TITLE:

**Rotator
Machine**

**UNIVERSITY OF IDAHO
ME DEPARTMENT**

DEFAULT TOLERANCES:

LINEAR:
X \pm .25
X.X \pm .1
X.XX \pm .01
X.XXX \pm .002

ANGULAR:
X \pm 2
X.X \pm 1
X.XX \pm 0.30°

DESCRIPTION: Motor Bracket

FILE NAME/PART NUMBER:

02 Motor Bracket

SHEET: 4 OF 5

REVISION:

SCALE: 1:1.5

F

E

D

C

B

A

F

E

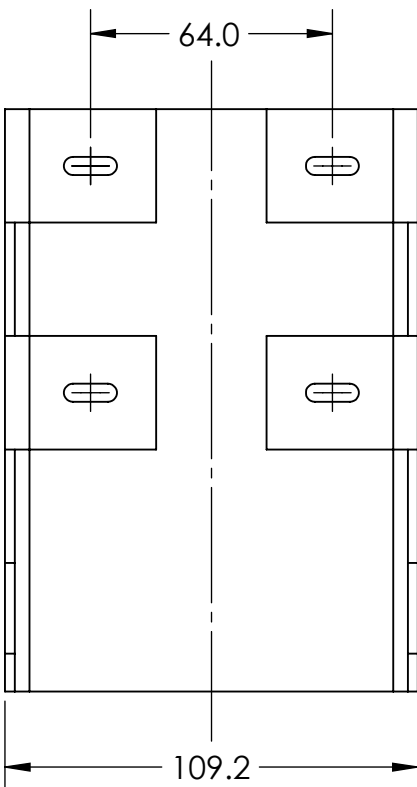
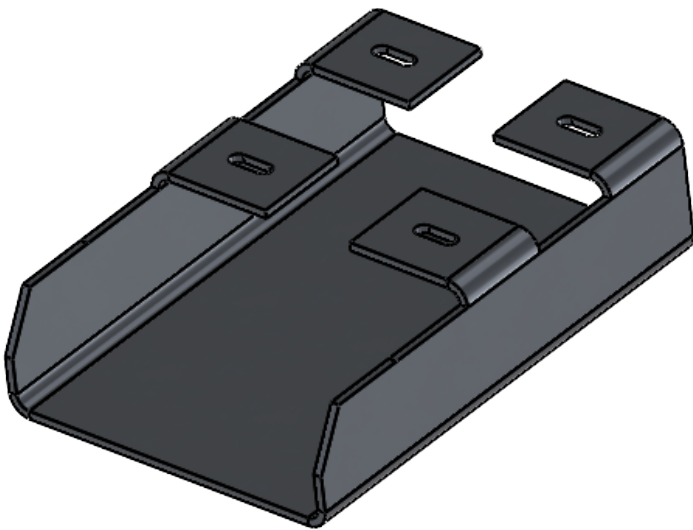
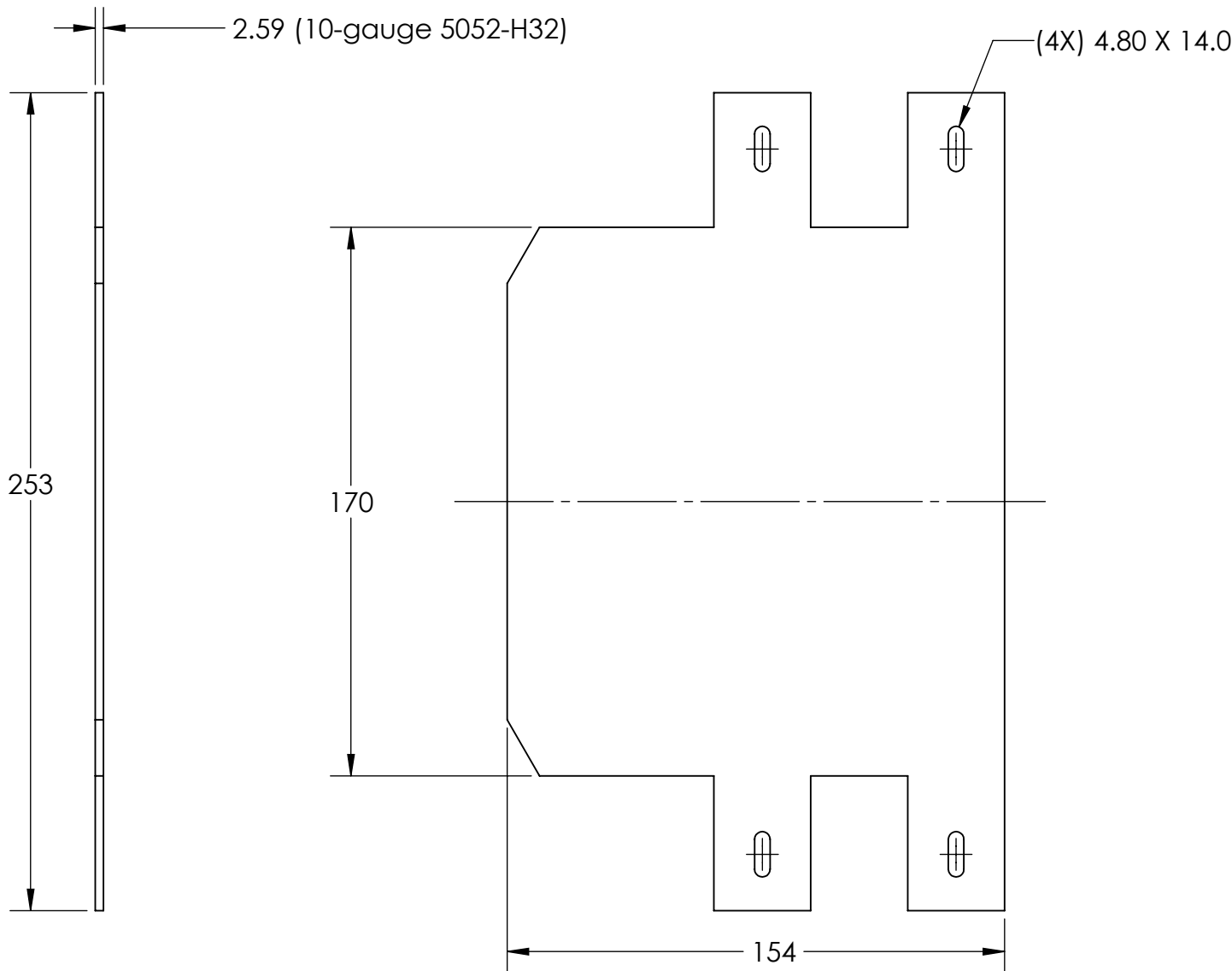
D

C

B

A

All bend radii are 3.9mm



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DESCRIPTION: Battery Tray		FILE NAME/PART NUMBER: 03 Batter Tray		UNIVERSITY OF IDAHO ME DEPARTMENT	
DEFAULT TOLERANCES: LINEAR: X.±.25 X.X±.1 X.XX±.01 X.XXX±.002		ANGULAR: X.± 2 X.X± 1 X.XX± Q 30'		SHEET: 5 OF 5	REVISION:
				SCALE: 1:1.5	