B

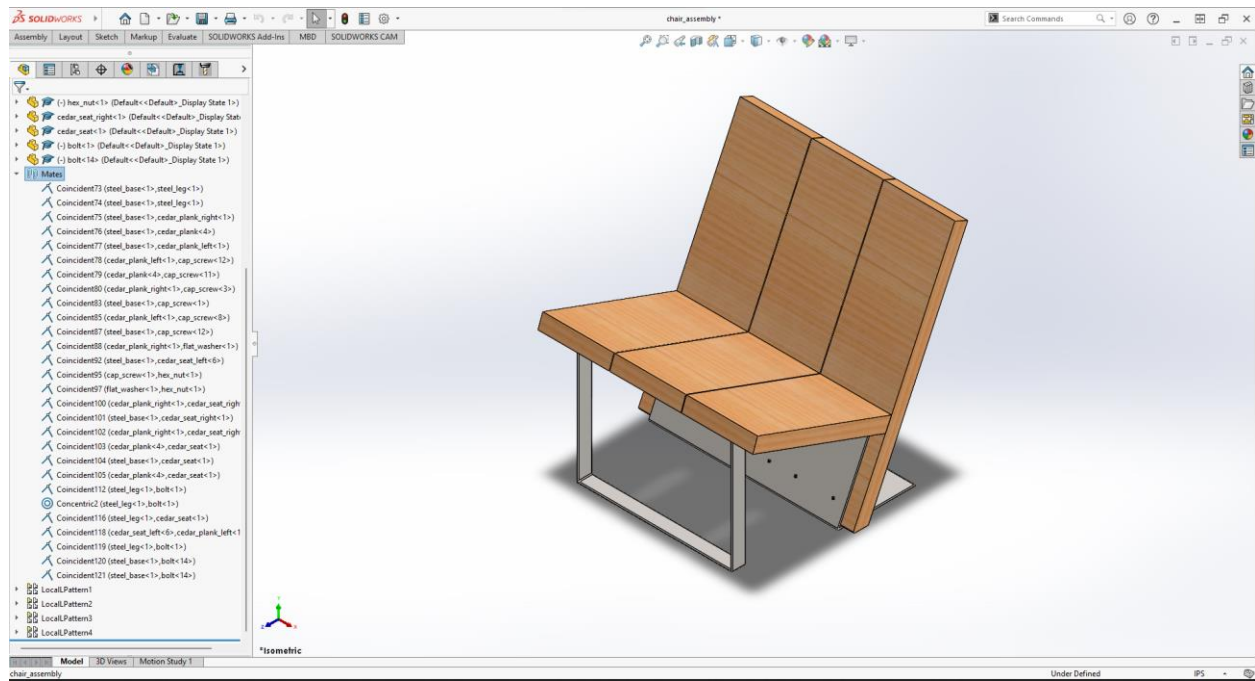| ITEM NO.	PART NUMBER	QTY.
12	bolt	12
11	cedar_seat	1
10	cedar_seat_right	1
9	hex_nut	12
8	flat_washer	12
7	cedar_plank_left	1
6	cedar_plank_right	1
5	cap_screw	12
4	steel_leg	1
3	cedar_seat_left	1
2	cedar_plank	1
1	steel_base	1

A

Jacob Pierson

chair_assembly.sldasm

Mass properties of chair_assembly
    Configuration: Default
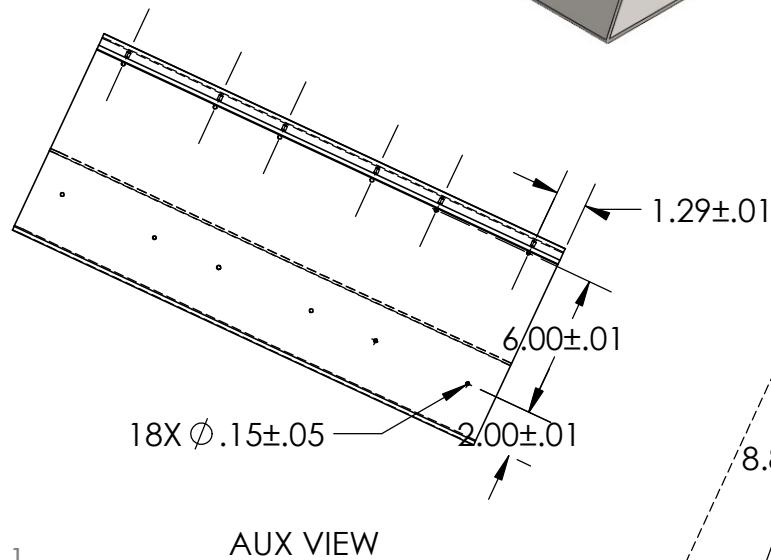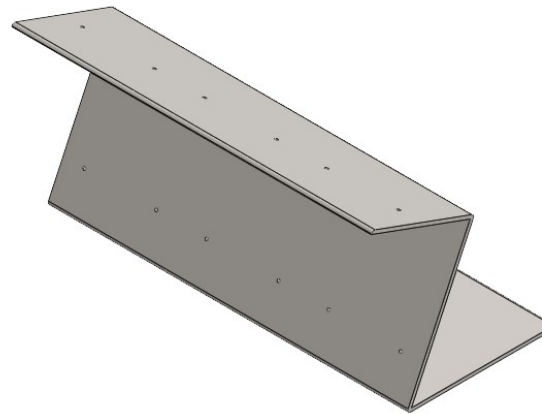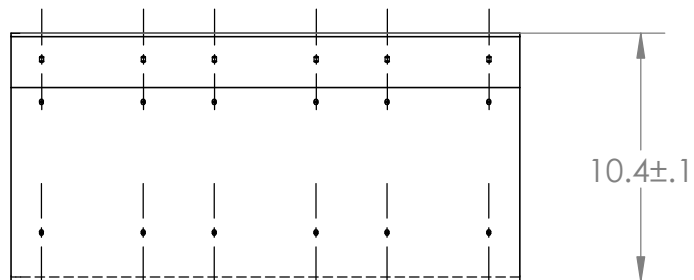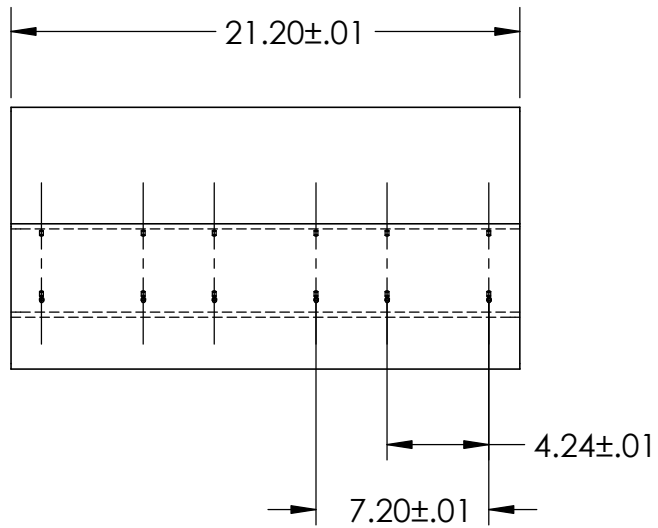   Coordinate system: -- default --

Mass = 62.07 pounds

Volume = 1762.09 cubic inches

Surface area = 3906.78 square inches
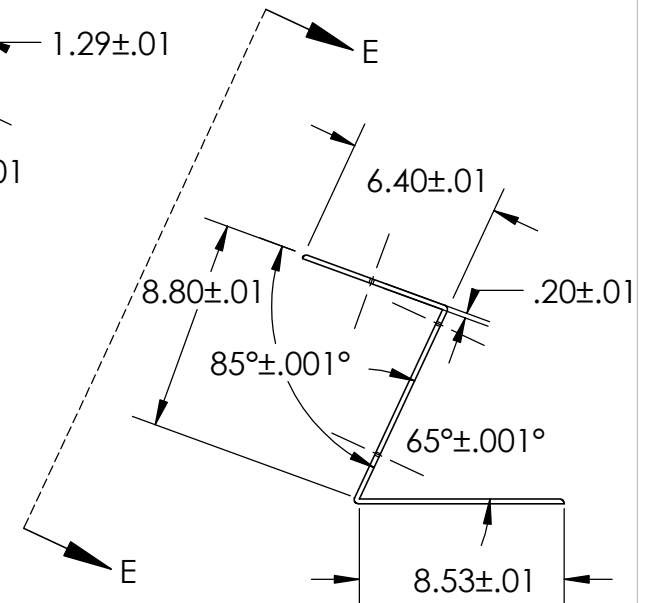
21.20±.01

4.24±.01

7.20±.01

1.29±.01

6.00±.01

18X ∅ .15±.05

2.00±.01

AUX VIEW

10.4±.1

E

6.40±.01

8.80±.01

.20±.01

85°±.001°

65°±.001°

E

8.53±.01

2.10±.01

.042±.050

1.99±.01

⌀.10±.01

.06

SECTION A-A

.280±.001

A

A

6X R.10±.05

21.87

1.60

7.20

4.24

12.80

.20

70°

17.07

.20

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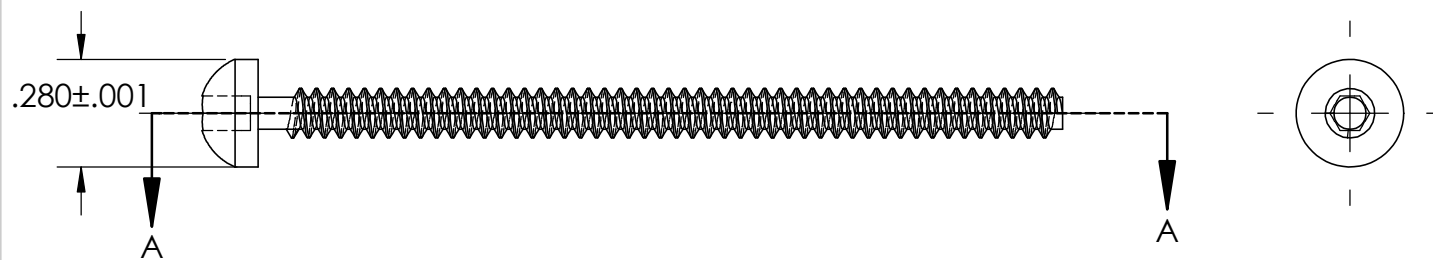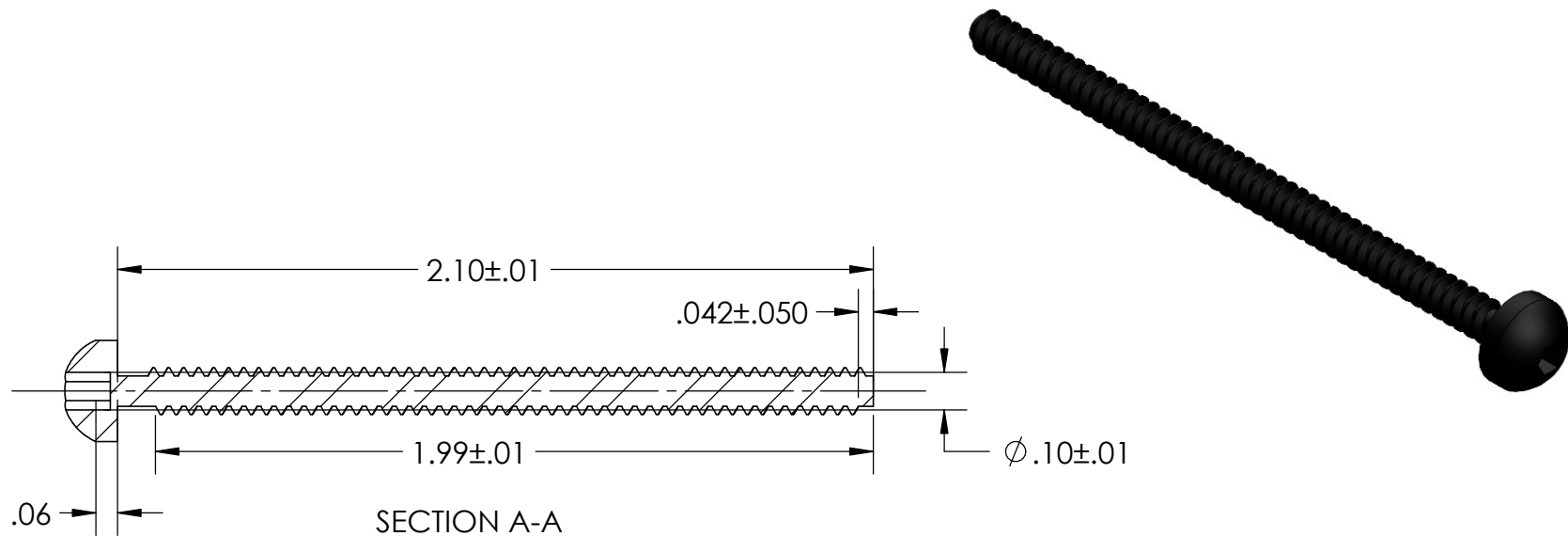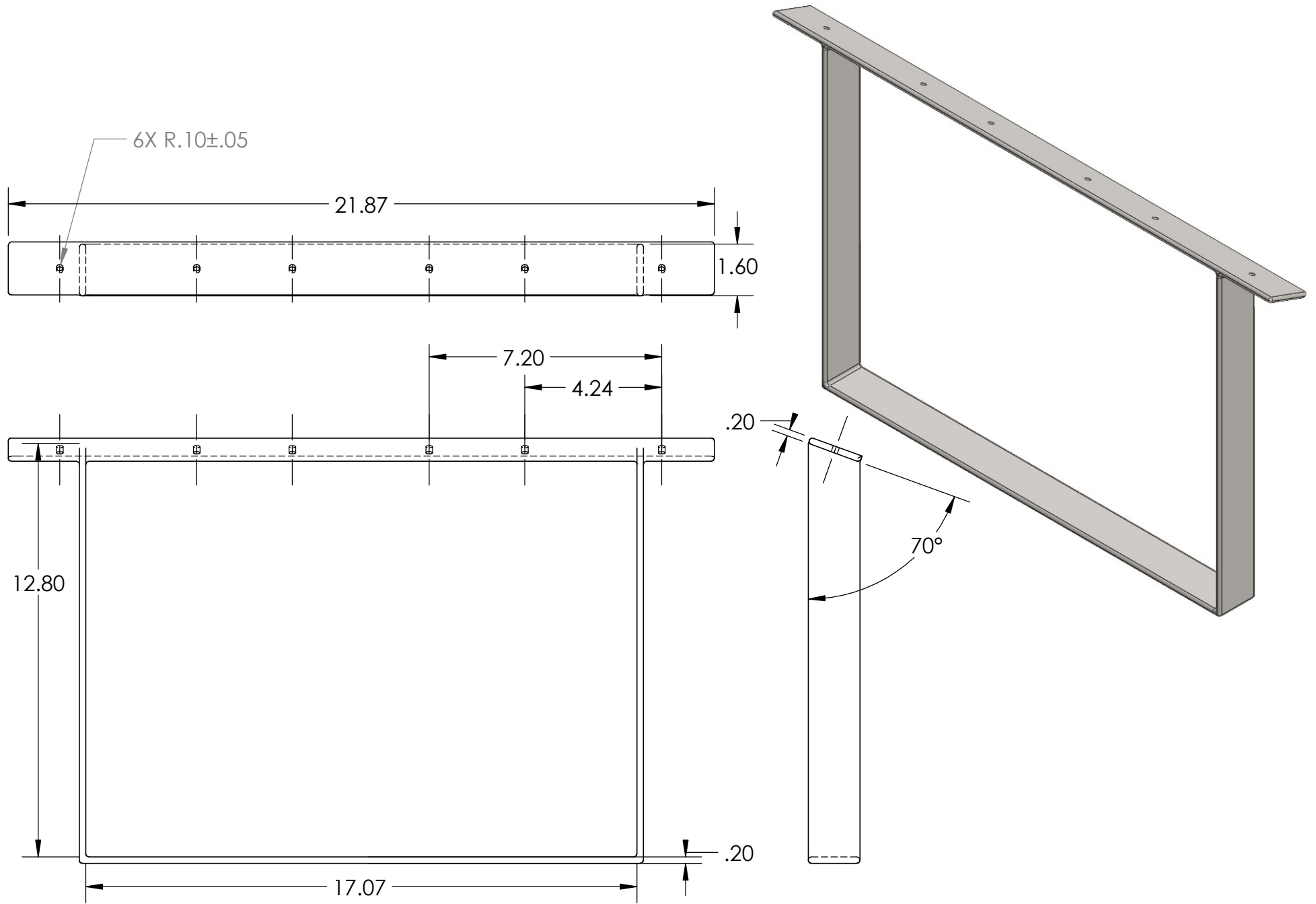
Jacob Pierson

hex_nut.sldprt

Mass properties of hex_nut
    Configuration: Default
    Coordinate system: -- default --

Density = 0.28 pounds per cubic inch

Mass = 0.00 pounds

Volume = 0.00 cubic inches

Surface area = 0.27 square inches

Jacob Pierson

flat_washer.sldprt

Mass properties of flat_washer
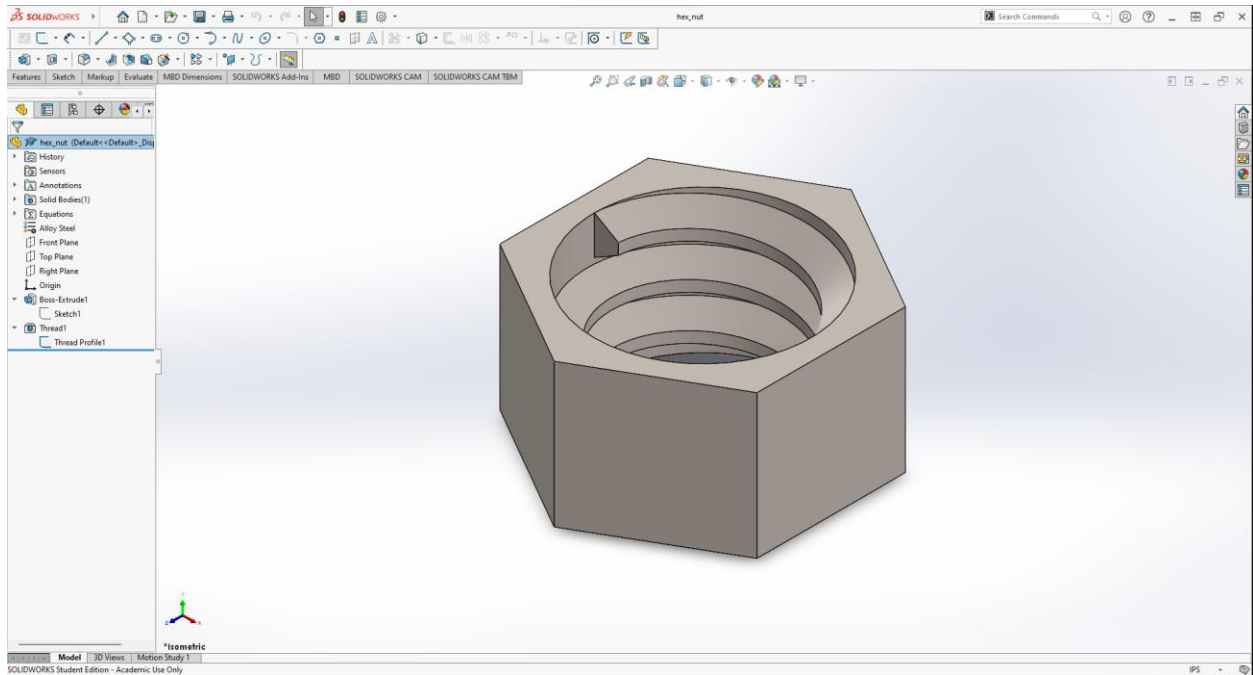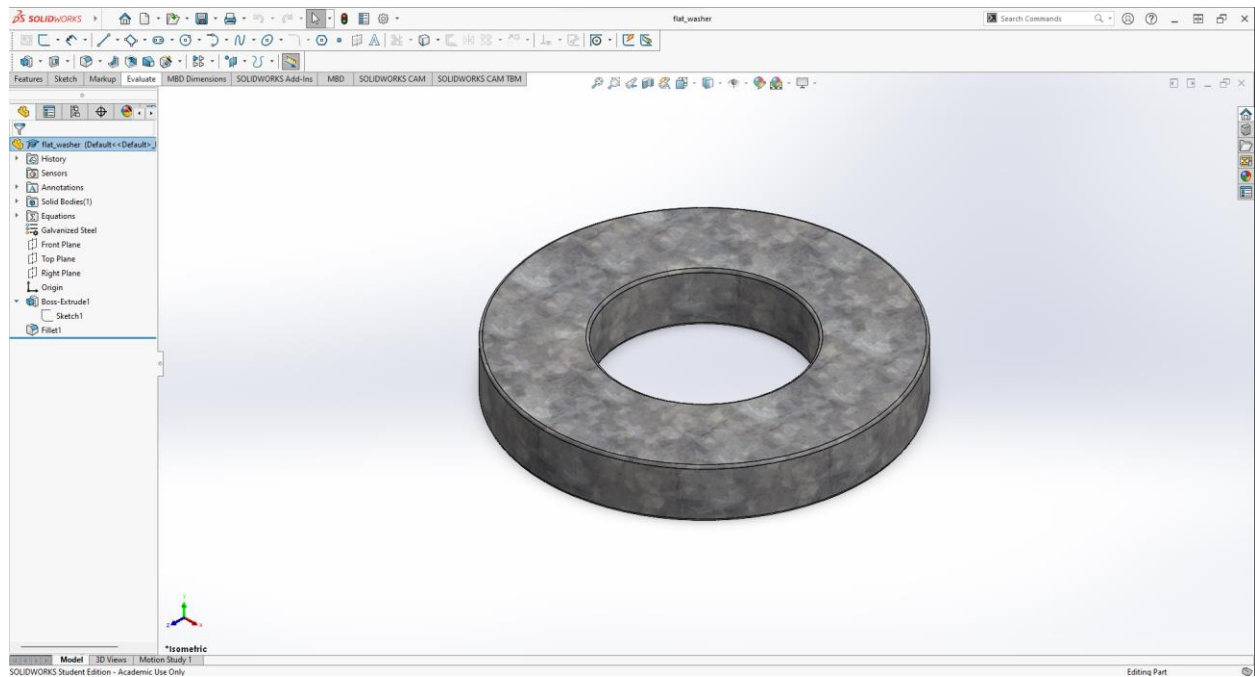   Configuration: Default
    Coordinate system: -- default --
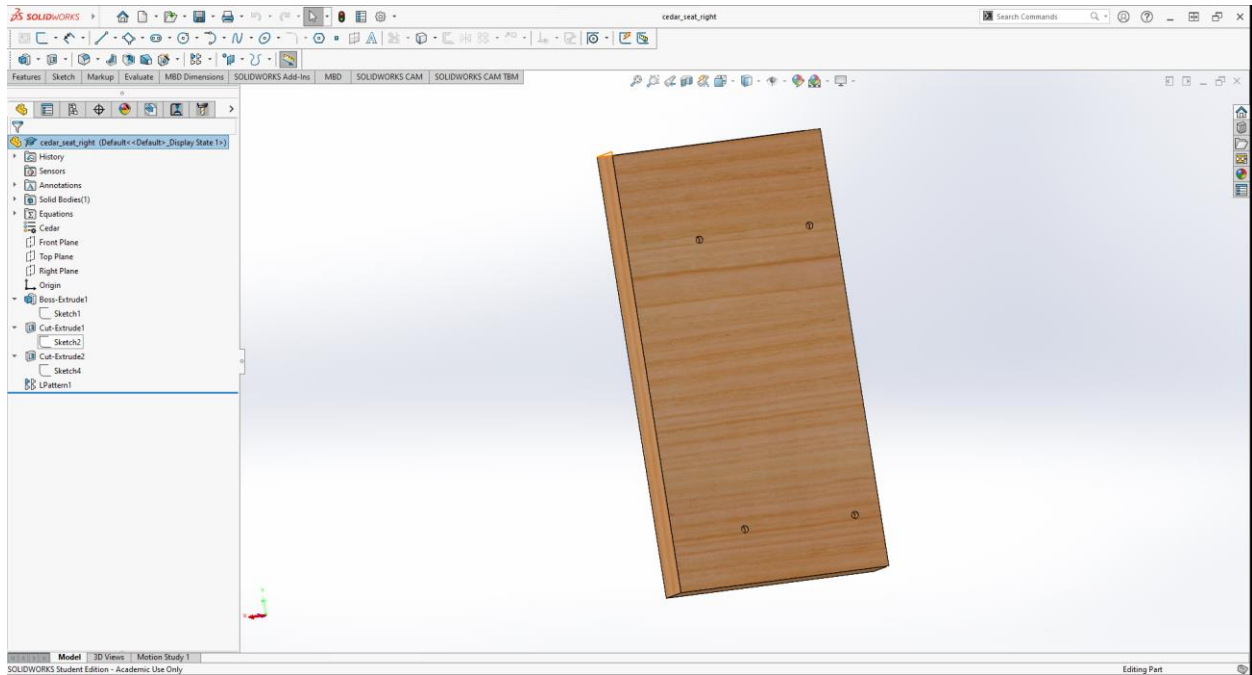
Density = 0.28 pounds per cubic inch

Mass = 0.00 pounds

Volume = 0.01 cubic inches

Surface area = 0.29 square inches

Jacob Pierson

cedar_seat_right

Mass properties of cedar_seat_right
    Configuration: Default
    Coordinate system: -- default --
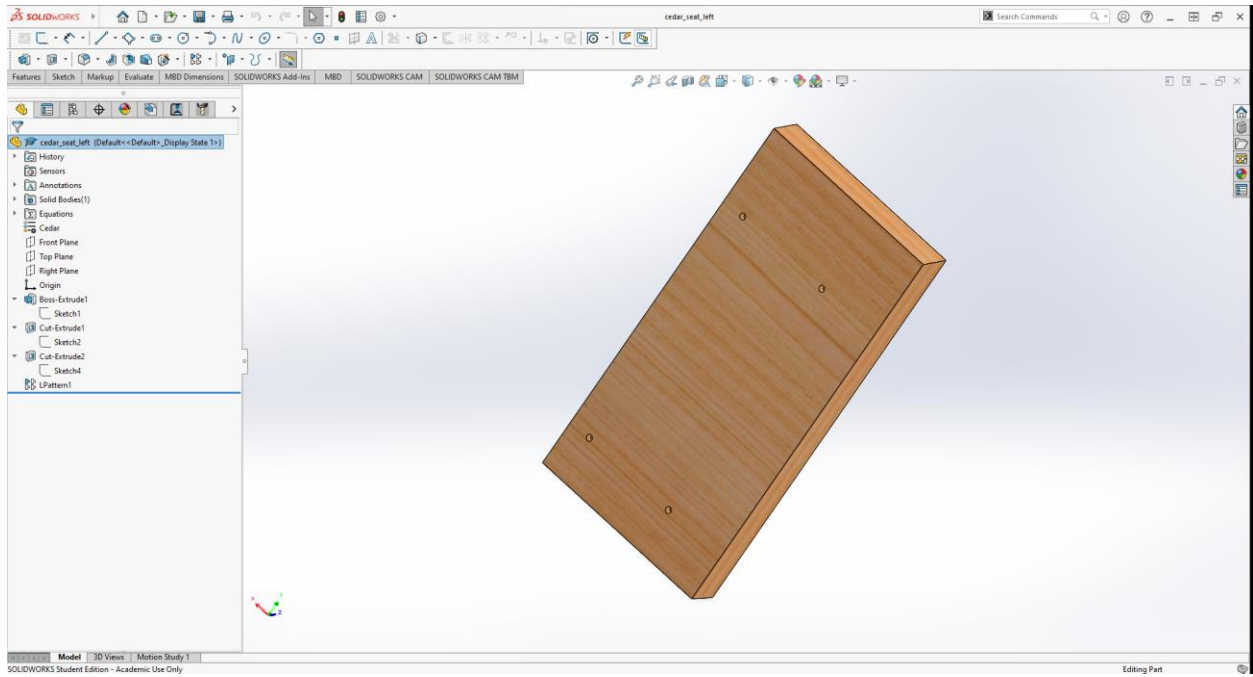
Density = 0.02 pounds per cubic inch

Mass = 3.46 pounds
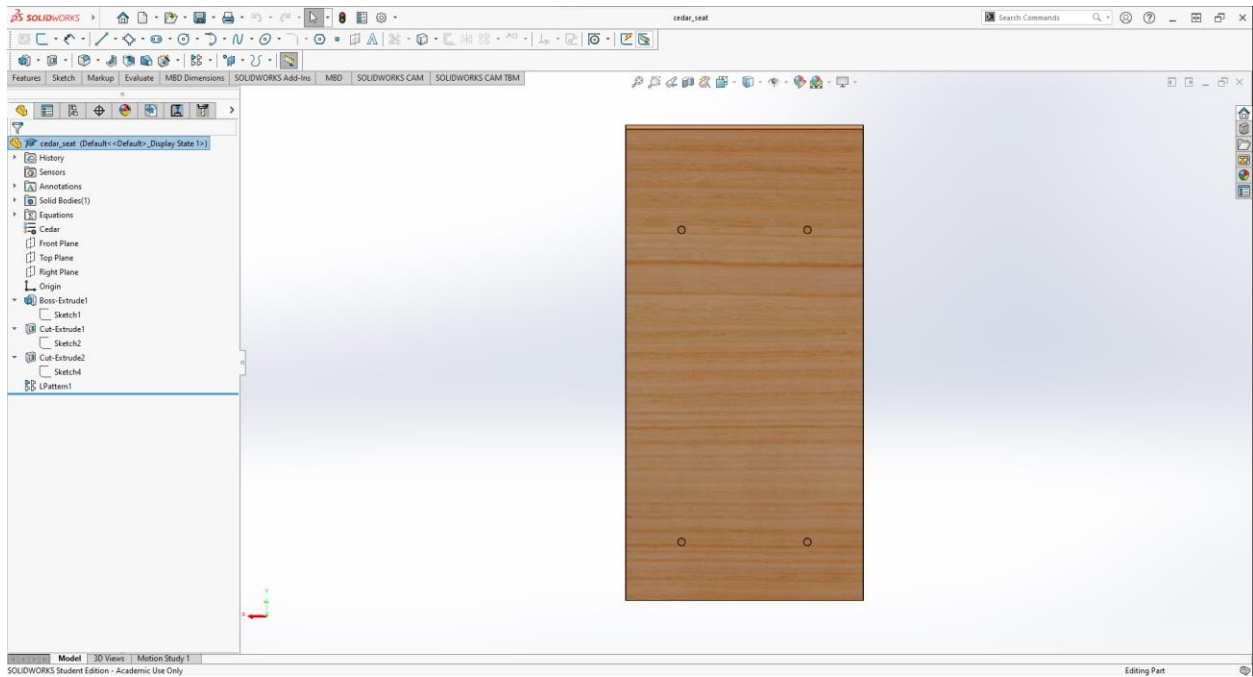
Volume = 203.84 cubic inches

Surface area = 332.53 square inches

Jacob Pierson

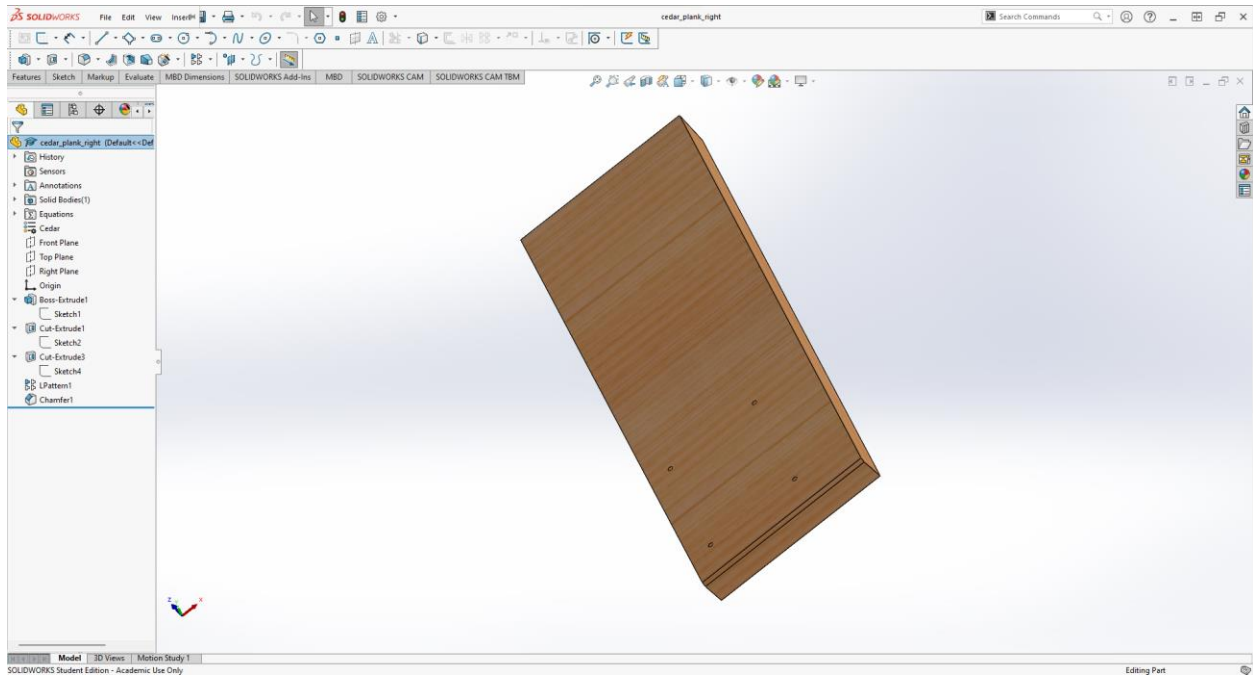cedar_seat_left.sldprt

cedar_seat.sldprt (all same mass properties, just different hole locations)

Jacob Pierson

cedar_plank_right

Mass properties of cedar_plank_right
    Configuration: Default
    Coordinate system: -- default --
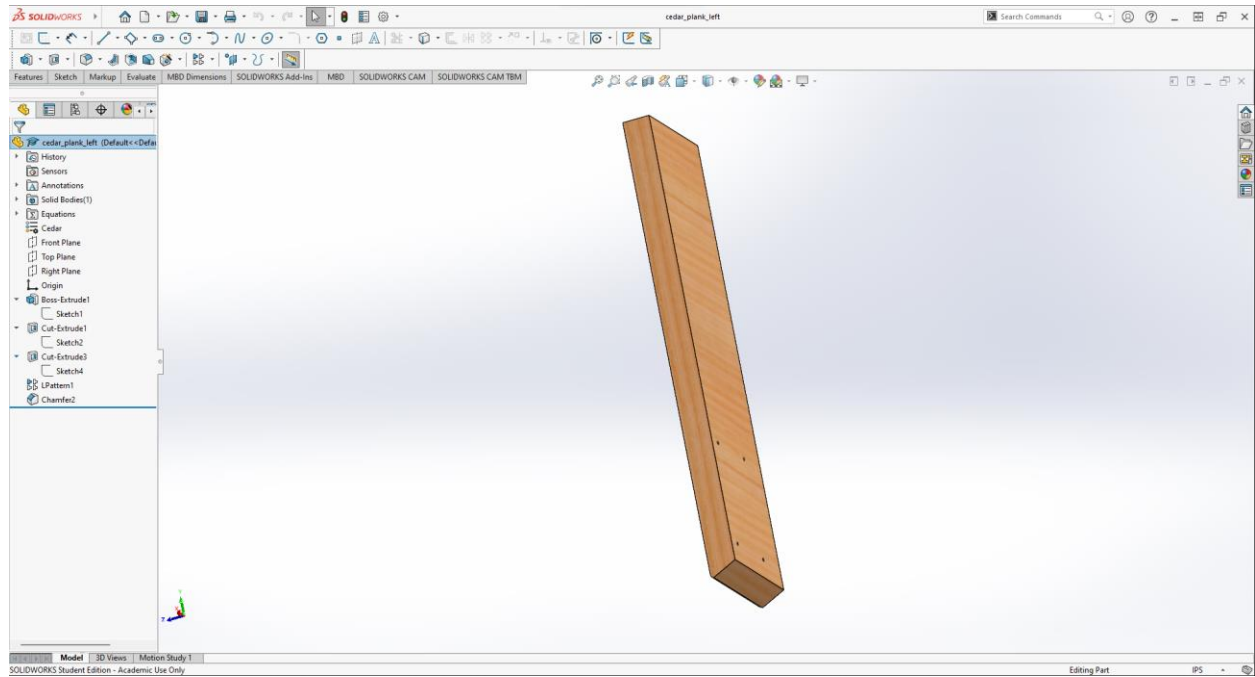
Density = 0.02 pounds per cubic inch

Mass = 5.82 pounds

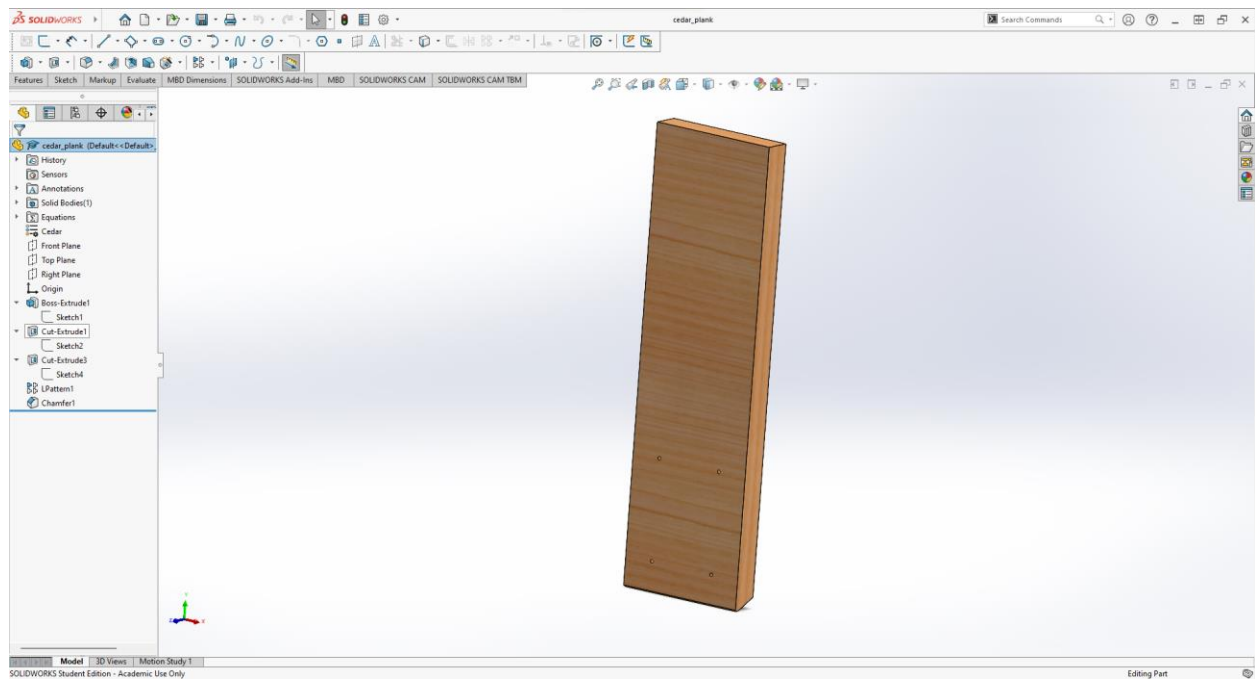Volume = 343.05 cubic inches

Surface area = 544.41 square inches

Jacob Pierson

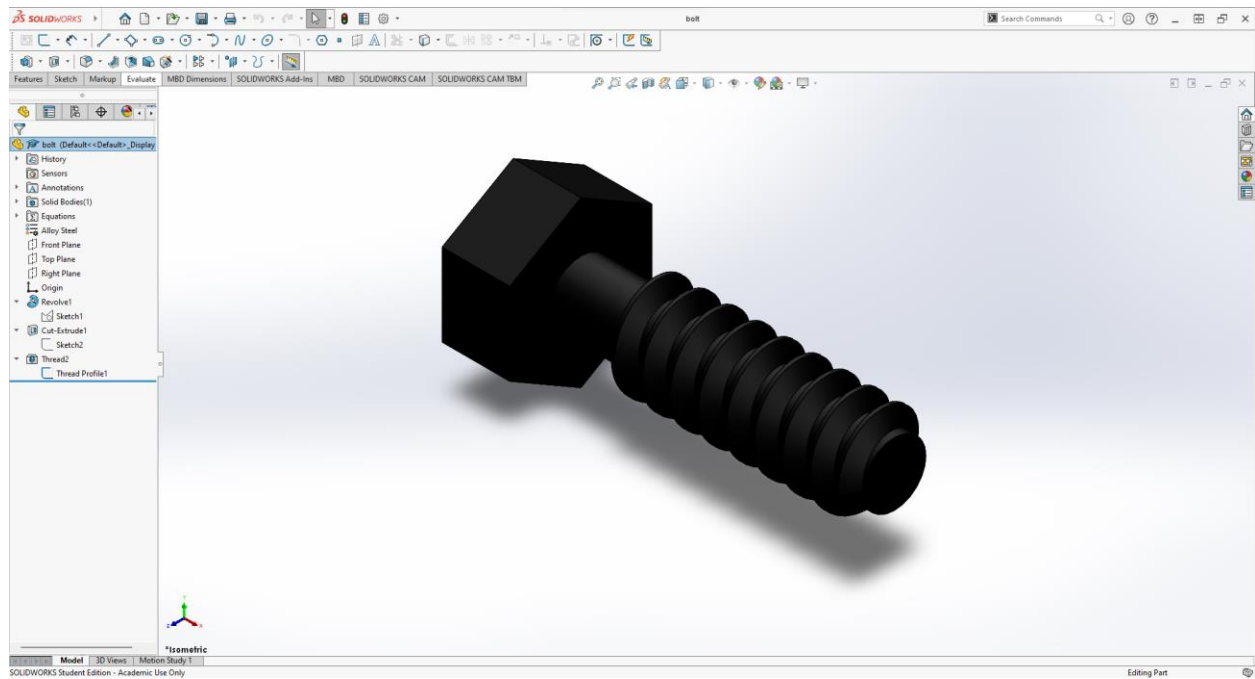cedar_plank_left.sldprt

cedar_plank.sldprt

Jacob Pierson

bolt.sldprt

Mass properties of bolt
    Configuration: Default
    Coordinate system: -- default --
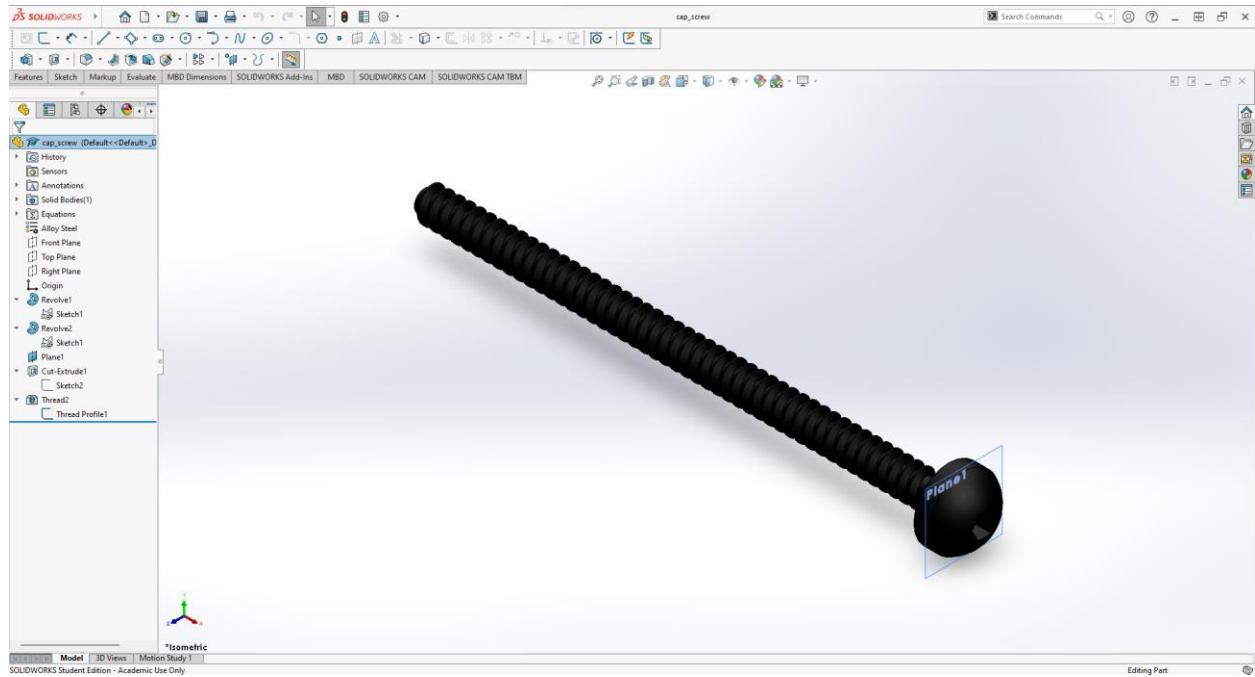
Density = 0.28 pounds per cubic inch

Mass = 0.00 pounds

Volume = 0.01 cubic inches

Surface area = 0.39 square inches

Jacob Pierson

cap_screw.sldprt

Mass properties of cap_screw
   Configuration: Default
   Coordinate system: -- default --
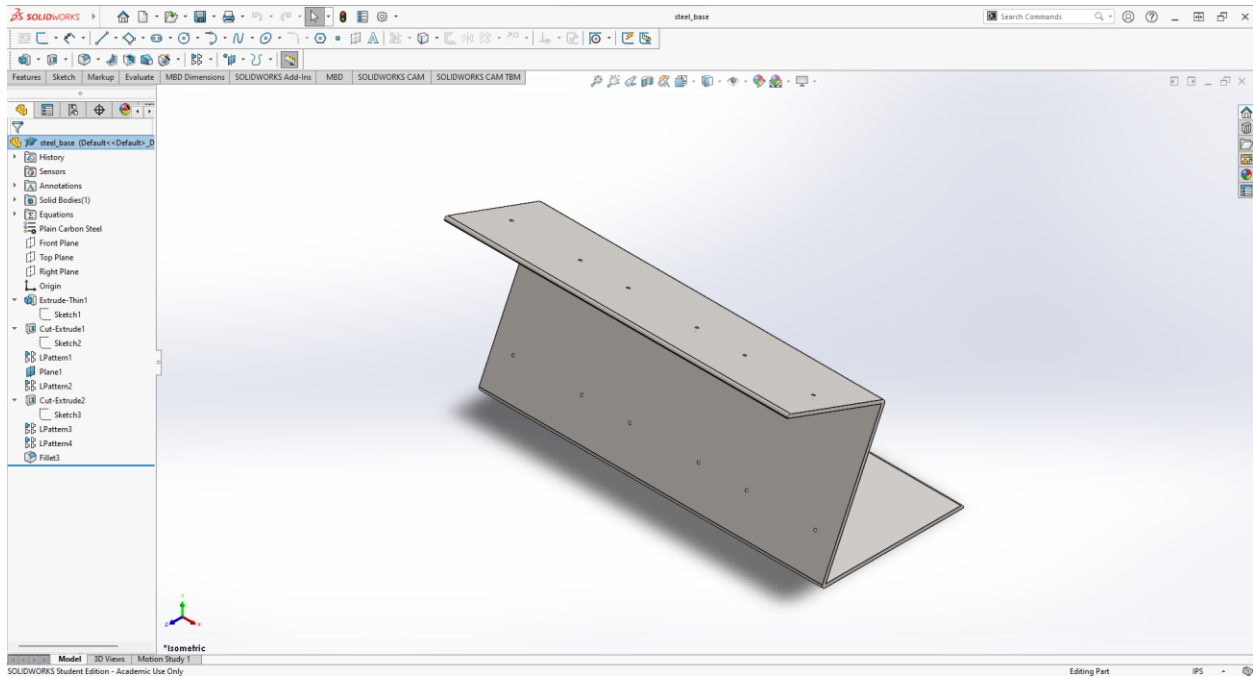
Density = 0.28 pounds per cubic inch

Mass = 0.01 pounds

Volume = 0.02 cubic inches

Surface area = 1.34 square inches

Jacob Pierson

steel_base.sldprt

Mass properties of steel_base
    Configuration: Default
    Coordinate system: -- default --
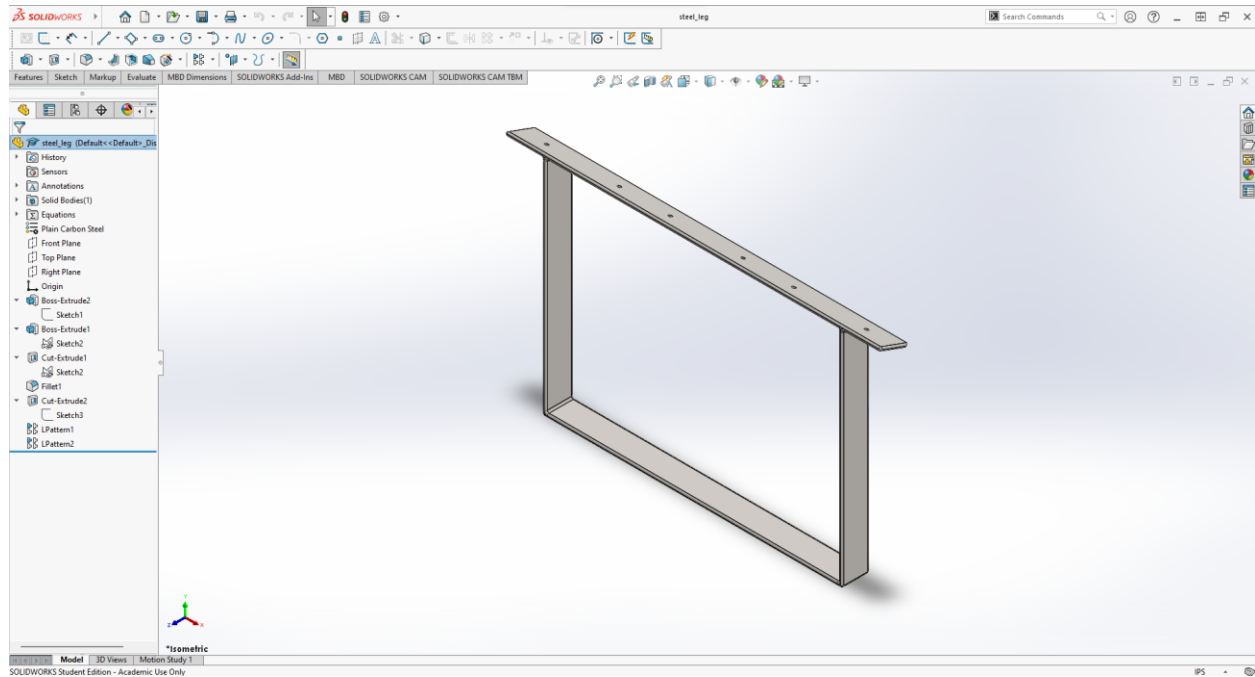
Density = 0.28 pounds per cubic inch

Mass = 28.30 pounds

Volume = 100.44 cubic inches

Surface area = 1022.79 square inches

Jacob Pierson

steel_leg.sldprt

Mass properties of steel_leg
    Configuration: Default
    Coordinate system: -- default --

Density = 0.28 pounds per cubic inch

Mass = 5.78 pounds

Volume = 20.50 cubic inches

Surface area = 225.61 square inches