

# Part A1: Platform Angle Arm

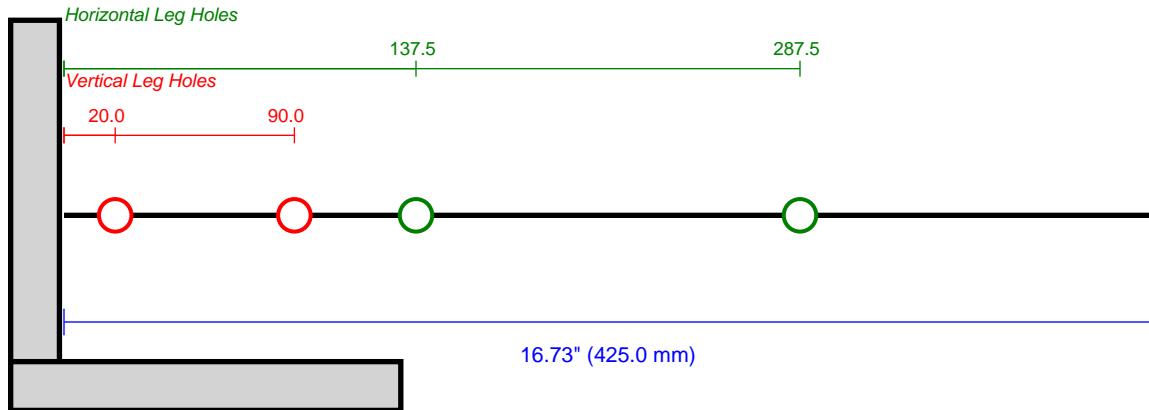
Quantity Needed: 2

Material: 2" x 2" x 1/4" Angle Iron

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**Material: 2" x 2" x 1/4" Angle Iron**

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## Manufacturing Operations:

- 1. Cut 2" x 2" x 1/4" Angle Iron to 16.73" (425.0 mm)
- 2. Drill 1/2" hole at 0.79" (20.0 mm) - Pivot bracket bolt 1 (vertical leg)
- 3. Drill 1/2" hole at 3.54" (90.0 mm) - Pivot bracket bolt 2 (vertical leg)
- 4. Drill 1/2" hole at 5.41" (137.5 mm) - Deck bolt 1 (horizontal leg)
- 5. Drill 1/2" hole at 11.32" (287.5 mm) - Deck bolt 2 (horizontal leg)

(3D renders require OpenSCAD - run with OpenSCAD installed to see views)

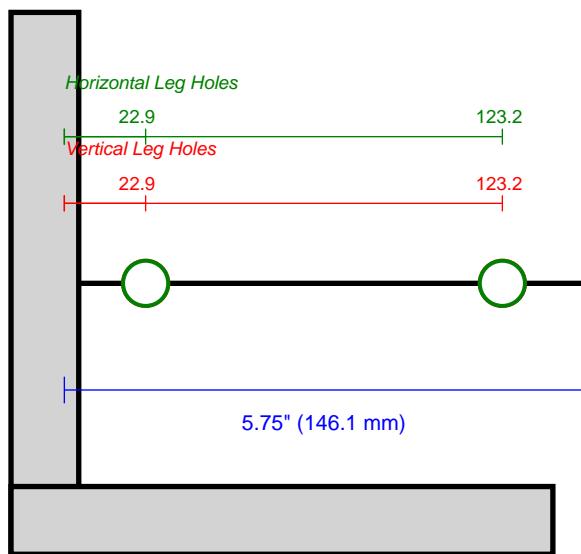
# Part A2: Frame Tube Mounting Angle

Quantity Needed: 16

Material: 2" x 2" x 1/4" Angle Iron

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Material: 2" x 2" x 1/4" Angle Iron



## Manufacturing Operations:

- 1. Cut 2" x 2" x 1/4" Angle Iron to 5.75" (146.1 mm)
- 2. Drill 1/2" hole at 0.90" (22.9 mm) - Plate mounting bolt 1
- 3. Drill 1/2" hole at 4.85" (123.2 mm) - Plate mounting bolt 2
- 4. Drill 1/2" hole at 0.90" (22.9 mm) - Tube mounting bolt 1 (other leg)
- 5. Drill 1/2" hole at 4.85" (123.2 mm) - Tube mounting bolt 2 (other leg)

(3D renders require OpenSCAD - run with OpenSCAD installed to see views)

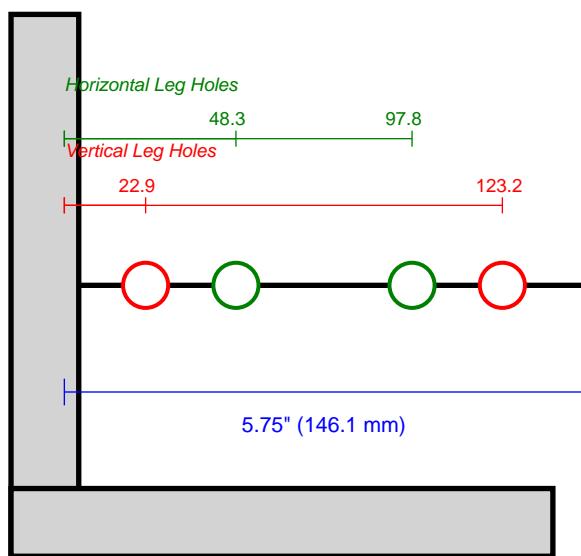
# Part A3: Loader Arm Mounting Angle

Quantity Needed: 4

Material: 2" x 2" x 1/4" Angle Iron

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Material: 2" x 2" x 1/4" Angle Iron



## Manufacturing Operations:

- 1. Cut 2" x 2" x 1/4" Angle Iron to 5.75" (146.1 mm)
- 2. Drill 1/2" hole at 0.90" (22.9 mm) - Plate mounting bolt 1
- 3. Drill 1/2" hole at 4.85" (123.2 mm) - Plate mounting bolt 2
- 4. Drill 1/2" hole at 1.90" (48.3 mm) - Beam mounting bolt 1 (other leg)
- 5. Drill 1/2" hole at 3.85" (97.8 mm) - Beam mounting bolt 2 (other leg)

(3D renders require OpenSCAD - run with OpenSCAD installed to see views)

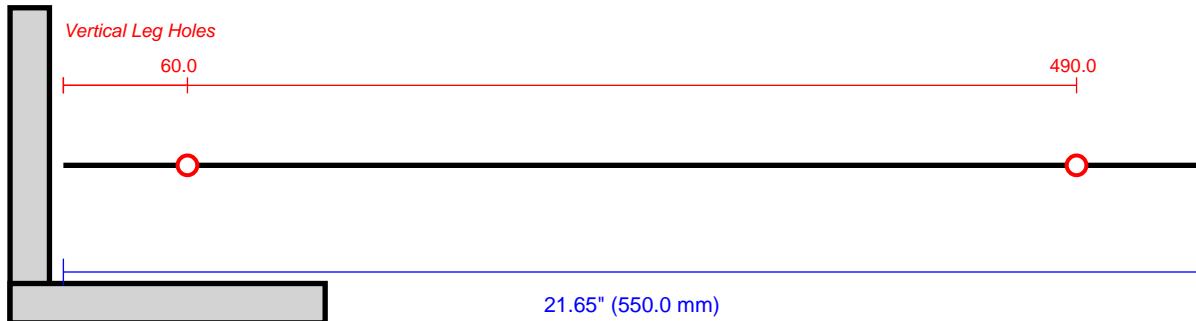
# Part A4: Side Panel Vertical Angle (Tall)

Quantity Needed: 8

Material: 2" x 2" x 1/4" Angle Iron

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Material: 2" x 2" x 1/4" Angle Iron



## Manufacturing Operations:

- 1. Cut 2" x 2" x 1/4" Angle Iron to 21.65" (550.0 mm)
- 2. Drill 3/8" hole at 2.36" (60.0 mm) - Panel mounting hole
- 3. Drill 3/8" hole at 19.29" (490.0 mm) - Panel mounting hole

Notes: Vertical stiffeners for side panels. Varies in height per panel section.

(3D renders require OpenSCAD - run with OpenSCAD installed to see views)

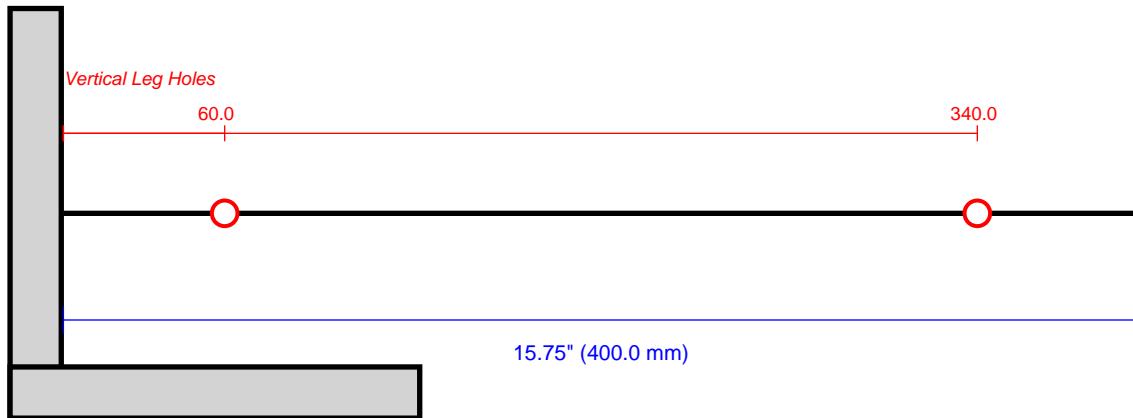
# Part A5: Bottom Plate Horizontal Angle (Front)

Quantity Needed: 8

Material: 2" x 2" x 1/4" Angle Iron

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Material: 2" x 2" x 1/4" Angle Iron



## Manufacturing Operations:

- 1. Cut 2" x 2" x 1/4" Angle Iron to 15.75" (400.0 mm)
- 2. Drill 3/8" hole at 2.36" (60.0 mm) - Plate mounting hole
- 3. Drill 3/8" hole at 13.39" (340.0 mm) - Plate mounting hole

*Notes: Bottom plate stiffeners. Split pattern to clear wheel axles.*

(3D renders require OpenSCAD - run with OpenSCAD installed to see views)