


ADA PICNIC TABLE

DIFFICULTY: **MEDIUM**

 3 VOLUNTEERS

 3 HOURS

MATERIALS

PREP

(2) 2x4x10ft boards

(8) 2x6x8ft boards

(3) 2x6x12ft boards

BUILD

(4) 2x6x72" pieces

(2) 2x6x65.75" trapezoids

(4) 2x6x39.25" parallelograms

(3) 2x4x34.25" trapezoids

(2) 2x4x32" parallelograms

(6) 2x6x8ft boards

1lb 2 .5" deck screws

(16) 3/8"x3.25" galvanized carriage bolts

(16) 3/8" galvanized washers

(16) 3/8" galvanized nuts

TOOLS

PREP

Miter saw

Tape measure

Carpenter's square

Pencil

Safety glasses

BUILD

Drill

Screwdriver bit

Level

9/16" socket with ratchet of

9/16" open-ended wrench

3/8" drill bit

Safety glasses


PREP LIST

1. Sort all materials into piles by like items to ensure you have materials needed to complete project.
2. Take (1) 2x6x12ft board. Cut into (2) 65.75" pieces.
3. Take 2 of the remaining 2x6x12ft boards. Cut each into (2) 72" pieces, for a total of (4) 2x6x72" pieces.
4. Take (6) of the 2x6x8ft pieces. Ensure that they are exactly 8ft long, and then set aside.
5. Take the remaining (2) 2x6x8ft pieces. Cut each into (2) 39.25" pieces, for a total of (4) 2x6x39.25" pieces.
6. Take 1 of the 2x4x10ft boards. Cut into (3) 34.25" pieces.
7. Take the remaining 2x4x10ft board. Cut into (2) 32" pieces.
8. Angled Cuts: Take the (2) 2x6x65.75" pieces cut in step 2. Set the miter saw to a 38° angle and cut the angle off of both ends, creating (2) 65.75" trapezoids. Take the (4) 2x6x39.25" pieces cut in step 5. Keeping the saw set to a 38°, cut the angle off of both ends, creating (4) 39.25" parallelograms. Take the (3) 2x4x34.25" pieces cut in step 6. Keeping the saw set to a 38°, cut the angle off of both ends, creating (4) 34.25" trapezoids. Take the (2) 2x4x32" pieces cut in stem 7. Set the miter saw to a 26° angle and cut the angle off of both ends, creating (2) 32" parallelograms.

ADA PICNIC TABLE

DIFFICULTY: **MEDIUM**

 3 VOLUNTEERS

 3 HOURS

MATERIALS

PREP

(2) 2x4x10ft boards

(8) 2x6x8ft boards

(3) 2x6x12ft boards

BUILD

(4) 2x6x72" pieces

(2) 2x6x65.75" trapezoids

(4) 2x6x39.25" parallelograms

(3) 2x4x34.25" trapezoids

(2) 2x4x32" parallelograms

(6) 2x6x8ft boards

1lb 2.5" deck screws

(16) 3/8"x3.25" galvanized carriage bolts

(16) 3/8" galvanized washers

(16) 3/8" galvanized nuts

TOOLS

PREP

Miter saw

Tape measure

Carpenter's square

Pencil

Safety glasses

BUILD

Drill

Screwdriver bit

Level

9/16" socket with ratchet of

9/16" open-ended wrench

3/8" drill bit

Safety glasses

BUILD LIST

1. Sort all materials into piles by like items to ensure you have materials needed to complete project.
2. Assemble the A-frame sides, line up bottom corners of the 2x4x34.25" table top supports with outside of 2x6x39.25" legs. Make sure legs are flush with the top support. Attach with two deck screws to hold in place.
3. Next, line up the 2x6x65.75" level with the ground, and top edge extends 12 1/8" from the legs on either side. Secure with two deck screws.
4. Attach each intersection with carriage bolts: Drill 3/8" holes and use the bolts to secure the connection: keep the bolt heads against seat and top supports (facing outward) and washers and nuts against legs (facing inward on completed table). Make sure bolts are staggered.
5. Attach seats: First stand up the two A-frame sides, the seat supports/top supports are facing outwards and the legs are towards the inside. Attach (1) 2x6x72" seat on each side of the A-frames, flush with end of the seat support. Overhang the 2x6 seats ends 6" past outside face of seat support. Attach with two screws.
6. Secure the second 2x6x72" seats. Leave a .25" gap between them (hint: use a pencil to ensure a .25" gap when attaching the seats with deck screws).
7. Attach tabletop boards and center support: (a) Lay the (2) 2x6x96" tabletop boards on either side of the table so they overhang the A-Frames by 6" on one side, with most of the overhang concentrated on the other side (this is where someone in a wheelchair would be able to sit). (b) Attach the 2x4x31.25" top support, parallel and centered between the A-frames, with two screws down through the tabletop boards.

ADA PICNIC TABLE

DIFFICULTY: **MEDIUM**



3 VOLUNTEERS



3 HOURS

MATERIALS

PREP

(2) 2x4x10ft boards

(8) 2x6x8ft boards

(3) 2x6x12ft boards

BUILD

(4) 2x6x72" pieces

(2) 2x6x65.75" trapezoids

(4) 2x6x39.25" parallelograms

(3) 2x4x34.25" trapezoids

(2) 2x4x32" parallelograms

(6) 2x6x8ft boards

1lb 2 .5" deck screws

(16) 3/8"x3.25" galvanized carriage bolts

(16) 3/8" galvanized washers

(16) 3/8" galvanized nuts

TOOLS

PREP

Miter saw

Tape measure

Carpenter's square

Pencil

Safety glasses

BUILD

Drill

Screwdriver bit

Level

9/16" socket with ratchet of

9/16" open-ended wrench

3/8" drill bit

Safety glasses

BUILD LIST

8. Then install the diagonal 2x4x32" braces flush with the center tabletop support and the seat supports (stagger slightly). Attach with two screws at either end.



9. Attach remaining tabletop boards: Install the remaining 2x6x96" table top boards with two screws on either end, ensuring that they extend beyond the A-frames by 6" on one side and significantly on the other. There will be a .25" gap between the boards.

