



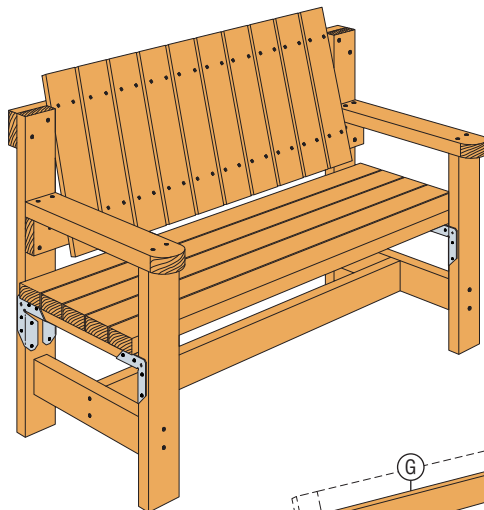
## ADD TRANQUILITY TO YOUR GARDEN

# Garden Bench

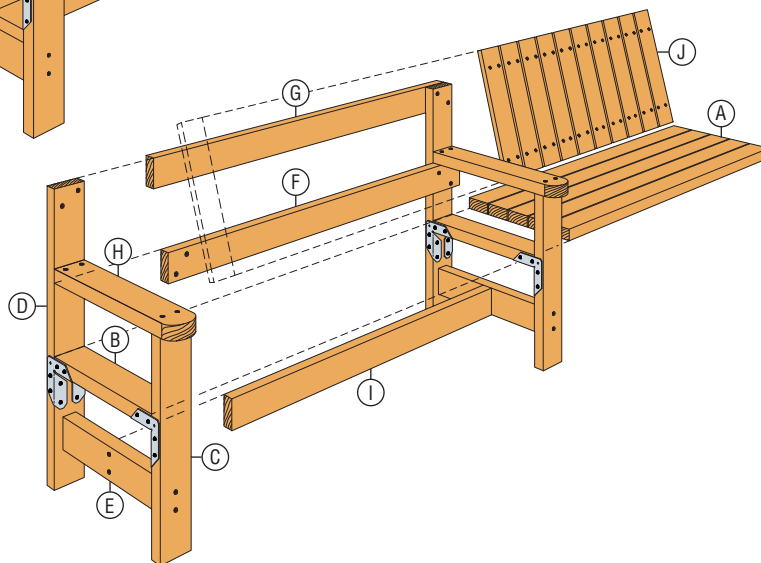
Enjoy nature's peace and tranquility from a bench that's as comfortable as it is sturdy. Carefully crafted with a backing that's pitched just right, this elegant yet simple bench will become a focal point for your backyard.



Check out our installation and building-tip videos at [diydoneright.com](http://diydoneright.com).



Assembly is fast and easy. With 2x4 lumber and Simpson Strong-Tie® Rigid Tie® RTA2Z connectors, you can customize to the dimensions of your choosing. Use cedar or redwood for that natural look, or use non-treated lumber and protect and personalize it with your favorite paint color.



### TOOLS YOU NEED

- Saw
- Drill/Screw gun
- Torx head bit
- ¼" hex head bit
- Tape measure
- Framing square
- Pencil
- Clamps
- Safety glasses

### INSTALLATION INSTRUCTIONS

#### 1. CUT LUMBER TO SIZE.

Simpson Strong-Tie® connectors make it easy to create strong right-angle connections with wood.

#### 2. ATTACH SEAT PLANKS TO SEAT SUPPORTS.

Lay five seat planks (A) close together with the good side face down. Place seat supports (B) ¼" inch from the ends of the planks. Evenly space the planks by inserting a 16d nail between them. Attach seat supports to planks using two #10x2 ½" Deck-Drive™ DSV Wood screws.

#### 3. CONNECT SEAT SUPPORTS AND SEAT PLANKS TO LEGS.

Place two RTA2Z connectors 15" up from the bottom of each front leg (C) and each back leg (D). Connect seat supports to the connectors using #9x1 ½" Strong-Drive® SD Connector screws.

#### 4. ATTACH SHORT STRETCHERS.

Attach short stretchers (E) 4" from the bottom of the front (C) and back legs (D) using two 2 ½" DSV screws per leg.

#### 5. ATTACH BACK SUPPORTS.

Attach lower back support (F) to inside of back legs 24" from the bottom using two 2 ½" DSV screws per side. Attach the upper back support (G) flush with the top of the outer side of back legs. (Note: Use four 2 ½" DSV screws positioned diagonally on each side: two through the front and two through the back.)

#### 6. ATTACH ARM RESTS.

Attach arm rests (H) to front legs (C) and lower back support (F) using four 2 ½" DSV wood screws.

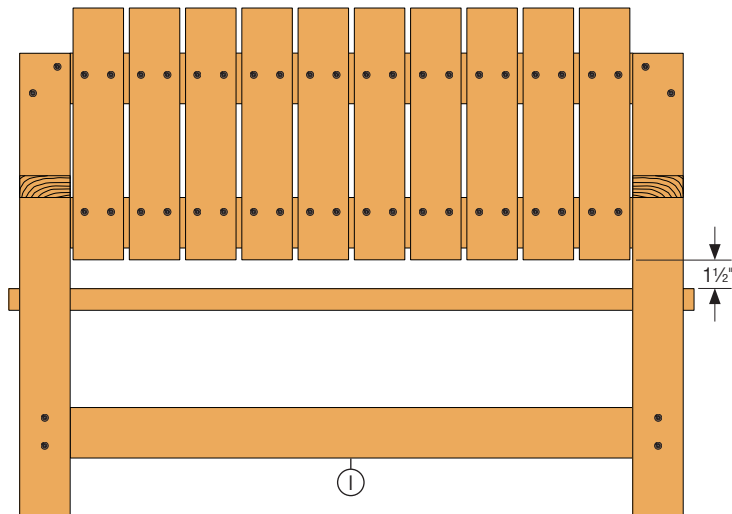
#### 7. CONNECT STRETCHERS.

Connect the long stretcher (I) to the short stretchers (E) at 6" from the inside of the back legs (D) using 2 ½" DSV screws.

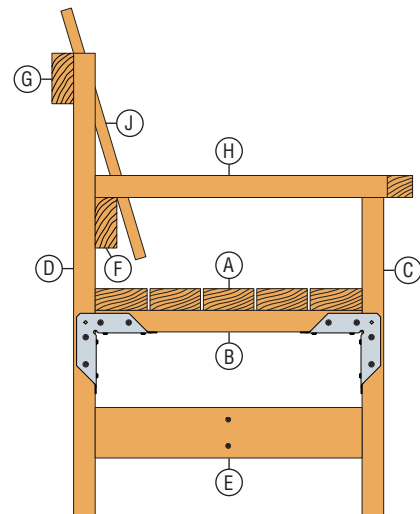
#### 8. ATTACH BACK SLATS.

Attach back slats (J) to lower back support (F) and upper back support (G) using four #10x2" DSV Wood screws per slat. Start each end slat approximately ¾" in from each back leg (D) and evenly space by inserting a 16d nail in between the slats.

## Garden Bench



FRONT VIEW



SIDE VIEW

### FOR THIS PROJECT YOU WILL NEED:

#### LUMBER\*

- (7) pieces of 2x4 x 8' redwood lumber
- (2) pieces of 1x4 x 8' redwood lumber

#### SIMPSON STRONG-TIE® CONNECTORS AND FASTENERS

- (8) Rigid Tie® RTA2Z connectors
- (64) #9x1½" Strong-Drive® SD Connector screws
- (40) #10x2" Deck-Drive™ DSV Wood screws
- (56) #10x2½" Deck-Drive™ DSV Wood screws

\* Use redwood, cedar or non-treated wood with exterior-grade paint or stain.

#### CUT FROM 2x4 x 8' LUMBER

- (4) 47½" seat planks (A)

- (1) 47½" seat plank (A)
- (2) 24" front legs (C)

- (2) 18½" short stretchers (E)

- (2) 18½" seat supports (B)
- (1) 21" arm rest (H)

- (2) 32" back legs (D)

- (1) 21" arm rest (H)

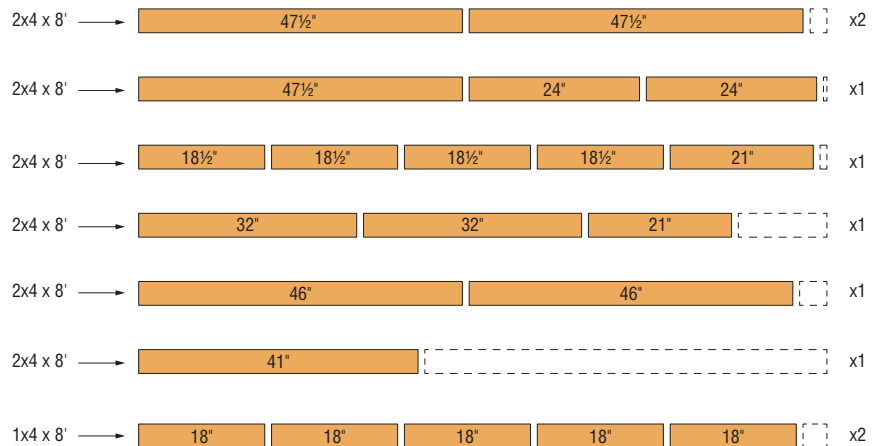
- (1) 46" lower back support (F)

- (1) 46" upper back support (G)

- (1) 41" long stretcher (I)

#### CUT FROM 1x4 x 8' LUMBER

- (10) 18" back slats (J)



The construction plan for this project is designed to be completed by people with basic carpentry skills in standard situations. If your situation is unique, talk with someone with detailed carpentry or construction experience before starting your project. Particular attention was paid to the steps and details in this plan, but they cannot be guaranteed to be error free. Simpson Strong-Tie shall not be responsible for any possible loss, damage or injury resulting directly or indirectly from the information contained here.