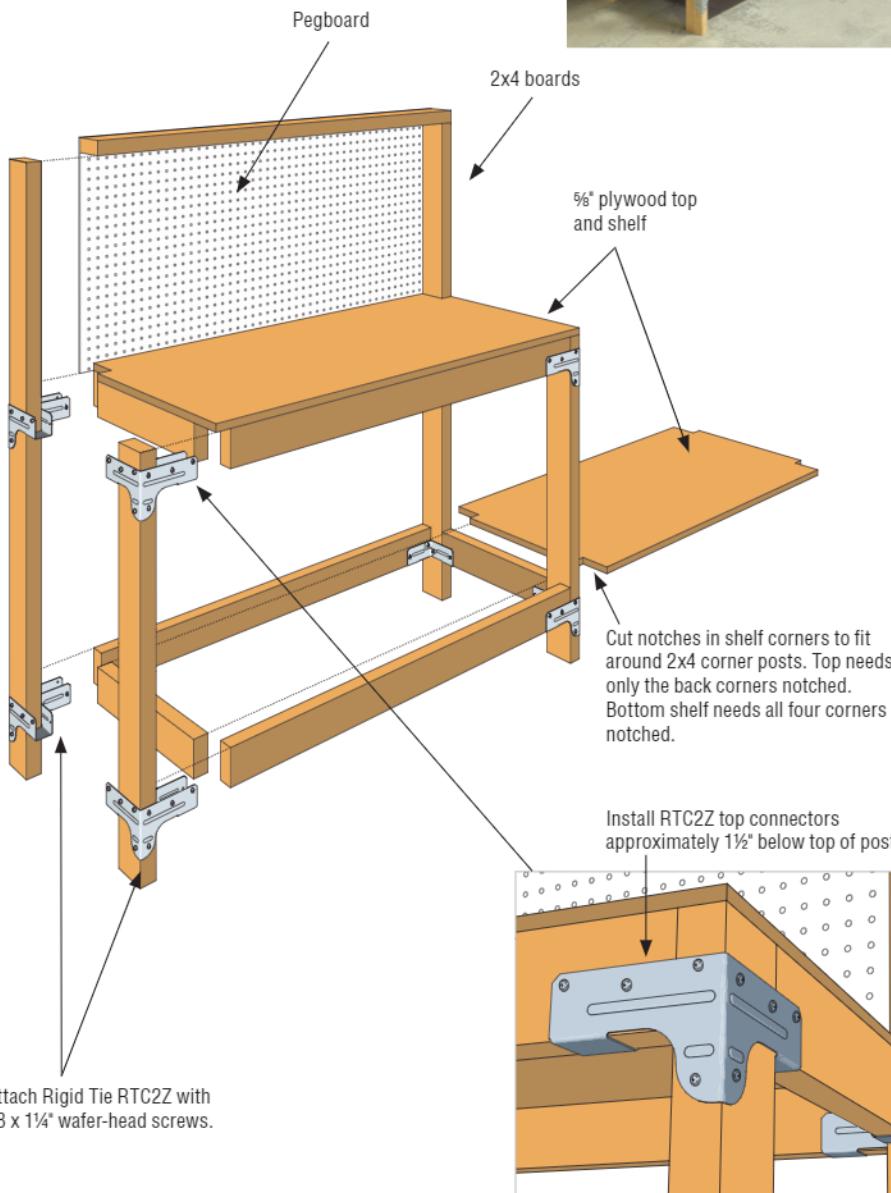


# Heavy-Duty Workbench

STRONG-TIE  
**DIY**<sup>TM</sup>

Building this 4'-wide workbench is fast and easy with 2x4 lumber and Simpson Strong-Tie® Rigid Tie® RTC2Z connectors. Create a sturdy workbench to act as a storage center and workstation. It's ideal for the garage or basement and can be built in different lengths to accommodate your needs.



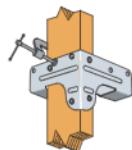
## TOOLS NEEDED

- Saw
- Screw gun
- #2 Phillips-head bit
- Tape measure
- Clamps
- Framing square

Rigid Tie RTC2Z connectors are easy to install and strong enough to support even the heaviest boxes, tools or machinery, and can be finished with paint to blend with the style of your home.

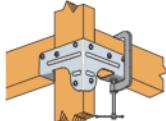
## INSTALLATION INSTRUCTIONS

**1. Cut lumber and plywood to size.** Since all of your cuts are straight cuts, Simpson Strong-Tie connectors simplify building with wood.



**2. Install connectors on vertical posts.**

Mark height, clamp connector to post and attach with Simpson Strong-Tie #8 x 1 1/4" wafer-head screws. No predrilling is needed.



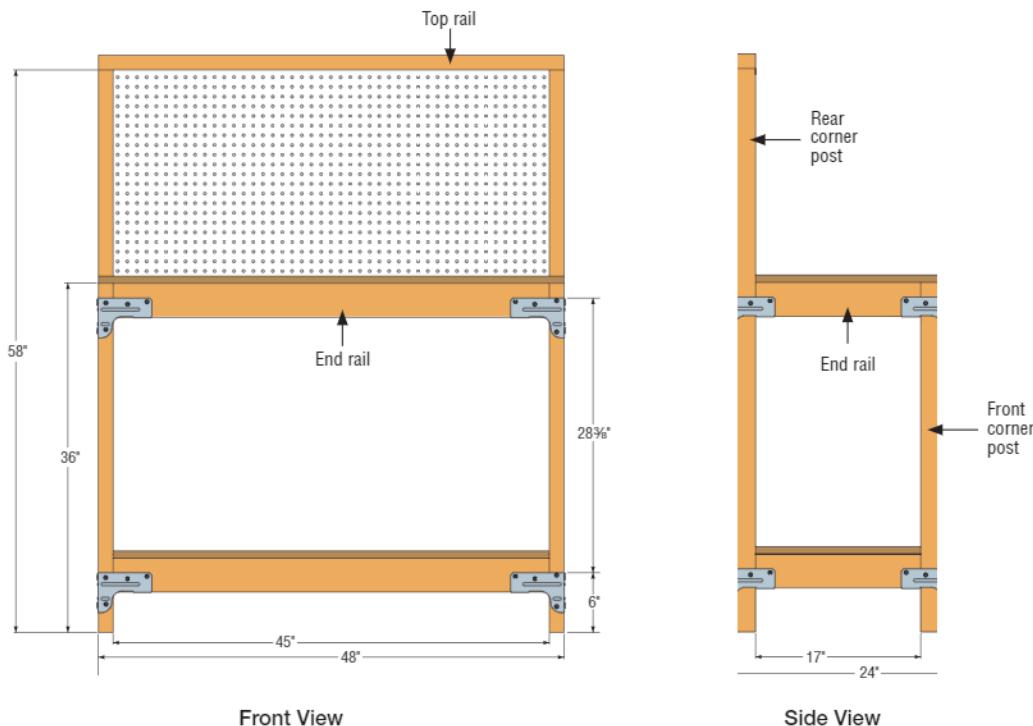
**3. Connect horizontal rails on each side.** Use a clamp to help hold the wood in the seat of the connector during installation.



**4. Notch corners of plywood shelves.** Use a piece of 2x4 on each corner of the shelf, trace and cut to accommodate corner posts (only notch back corners of top shelf).

## Heavy-Duty Workbench

### Materials and Cut Diagram



Front View

Side View

#### Hardware needed

- (1) Box Simpson Strong-Tie #8 x 1 1/4" wafer-head screws
- (20) #6 x 1 1/4" bugle-head screws
- (4) #6 x 2 1/2" bugle-head screws

#### Simpson Strong-Tie® Connectors

- (8) Rigid Tie® RTC2Z connectors

#### Lumber needed

- (6) Pieces of 2x4 x 8' lumber
- (1) 4' x 4' sheet of 5/8" plywood
- (1) 2' x 4' sheet of 1/4" pegboard

#### Cut List

##### Cut from 2x4 x 8'

(4) 45" rails	45"	45"	(2x)	
(2) 58" rear corner post and (4) 17"	58"	17"	17"	(2x)
(1) 48" top rail	48"	(1x)		
(2) 36" front corner posts	36"	36"	(1x)	

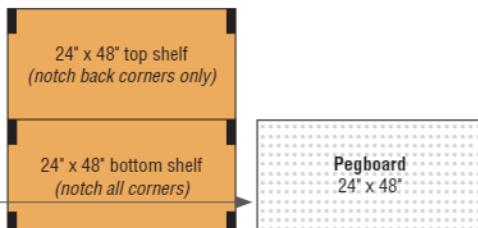
##### Cut from plywood and pegboard

(1) Top/bottom shelf (24" x 48" 5/8" plywood)

Cut both shelves from (1) 4' x 4' sheet of 5/8" plywood. Attach with #6 x 1 1/4" flat-head screws.

(1) 24" x 48" pegboard.

Attach with #8 x 1 1/4" wafer-head screws.



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.

**(800) 999-5099**  
[strongtie.com/diy](http://strongtie.com/diy)

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