

PRECISE WOODEN BENCH BUILD PLAN - [WoodWizard Pro Unified Layout]



FRONT VIEW



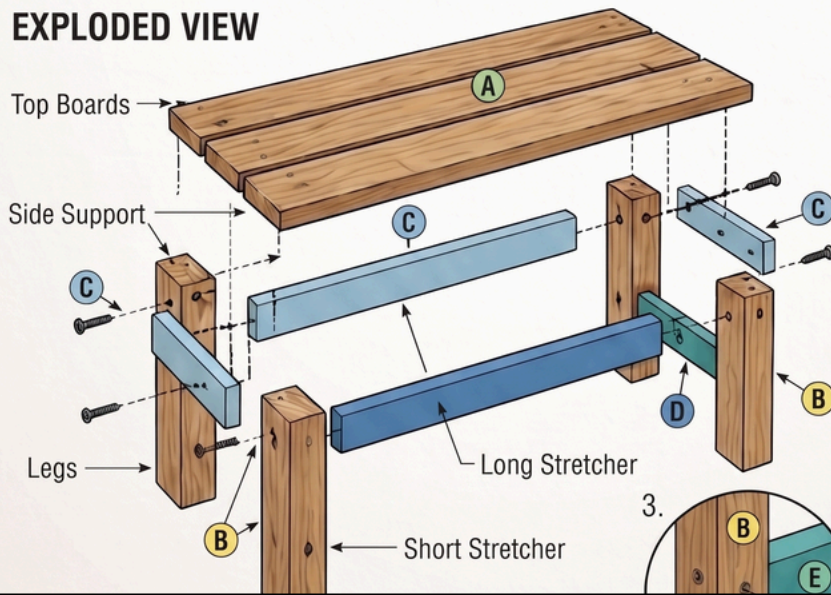
SIDE VIEW

CUT LIST TABLE

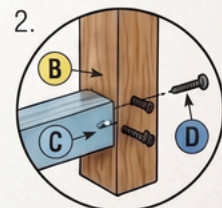
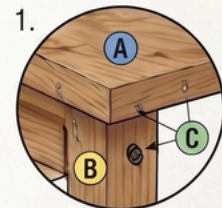
Part ID	Description	Qty.	Length	Width
A	Top Boards	4	48"	3 1/2"
B	Legs	4	17"	3 1/2"
C	Side Support	2	14"	3 1/2"
D	Long Stretcher	2	40 1/2"	2 1/2"
E	Short Stretcher	2	10 1/2"	2 1/2"

Screws - 2 1/2"
 Wood Glue

EXPLODED VIEW



DETAIL SECTIONS



48" CLASSIC WOODEN BENCH

WoodWizard Pro Definitive Build Plan • Accurate, No-Guesswork Blueprint

SAFETY FIRST: Wear PPE (gloves, safety glasses, ear protection, dust mask). Use sharp tools responsibly. Ensure your workspace is well-ventilated and minimize dust. Always verify measurements before cutting.

WoodWizard Pro Visual Note: Please follow the written Cut List and Step-by-Step instructions strictly. The accompanying Exploded View diagram contains a conceptual rendering variation (the long blue board beneath the top boards) that is not required for this build. Part 'C' refers ONLY to the two 14" Side Supports. Trust this text guide, and your bench will come out perfectly solid!

Project Specs

- **Overall Width:** 48"
- **Overall Depth:** 14"
- **Overall Height:** 18"
- **Est. Time:** 2 - 4 Hours
- **Skill Level:** Beginner / Intermediate

Tools & Materials

- Miter Saw or Circular Saw
- Power Drill & 2 1/2" Exterior Wood Screws
- Exterior-Grade Wood Glue
- Tape Measure & Speed Square
- Lumber: Standard 2x4s and 2x3s (or planed equivalents)

Master Cut List

Part ID	Part Name	Qty	Length	Width
A	Top Boards	4	48"	3 1/2"
B	Legs	4	17"	3 1/2"
C	Side Supports	2	14"	3 1/2"

Part ID	Part Name	Qty	Length	Width
D	Long Stretchers	2	40 1/2"	2 1/2"
E	Short Stretchers	2	10 1/2"	2 1/2"

Step-by-Step Instructions

Step 1: Assemble the Leg Frames

Gather two Legs (B) and one Short Stretcher (E). Position the Short Stretcher flat between the two legs, roughly 3 to 4 inches up from the bottom floor edge. Apply a thin layer of wood glue to the ends of the stretcher. Drive 2 1/2" screws through the outside face of the legs directly into the ends of the stretcher. Repeat this to build the second leg frame.

Step 2: Attach the Side Supports

Take one Side Support (C) and lay it horizontally across the top outside face of your assembled leg frame. It must sit perfectly flush with the top edge of the legs to ensure a flat seating surface later. Apply wood glue to the mating surfaces and drive 2 1/2" screws through the Side Support into the top of each leg. Repeat for the other frame.

Step 3: Connect with Long Stretchers

Stand both completed leg assemblies upright. Position the two Long Stretchers (D) horizontally between the leg assemblies. They should align vertically with the Short Stretchers you installed in Step 1. Apply glue to the stretcher ends, and secure them by driving screws through the front/back faces of the legs into the long stretcher ends.

Step 4: Secure the Top Boards

Lay the four Top Boards (A) flat across the frame. They should rest on top of the Side Supports and the very tops of the Legs. Ensure the outer boards are perfectly flush with the 14" depth of the Side Supports. Space the four boards evenly (leaving a slight gap between them for drainage/wood expansion). Drive 2 1/2" screws straight down through the Top Boards into the Side Supports below (2 screws per board end).

Finishing Touches

- **Sanding:** Sand the entire piece starting with 120-grit, finishing with 220-grit. Pay special attention to the top boards and corners to prevent splinters.
- **Protecting:** If this bench is going outside, seal it with an exterior-grade polyurethane or a UV-resistant penetrating stain to protect against the elements.