

Patio Bench

Automated woodworking cut list, grouped board cutting diagrams, and step-by-step 3D assembly guide.

Specifications

Overall Dimensions	48" W × 17" D × 18" H
Total Parts Count	12 pieces (4 unique sizes)
Dimensional Stock Lumber	5 boards (3 unique cutting patterns)
Wood Screws	24 screws

3D Project Overview

benchbuild.app

Cut List Summary

Identical pieces are grouped together. Check off each row as you cut your lumber and sheet goods.

Qty	Material	Cut Dimensions	Miter / Angle Cuts	Piece Names
4×	2x4	16"	Square (90°)	2× Seat Cleats · 2× Foot Cleats
4×	2x4	16.5"	Square (90°)	4× Legs
1×	2x4	36.5"	Square (90°)	Long Stretcher
3×	2x6	48"	Square (90°)	3× Seat Slats

Board Cutting Diagrams

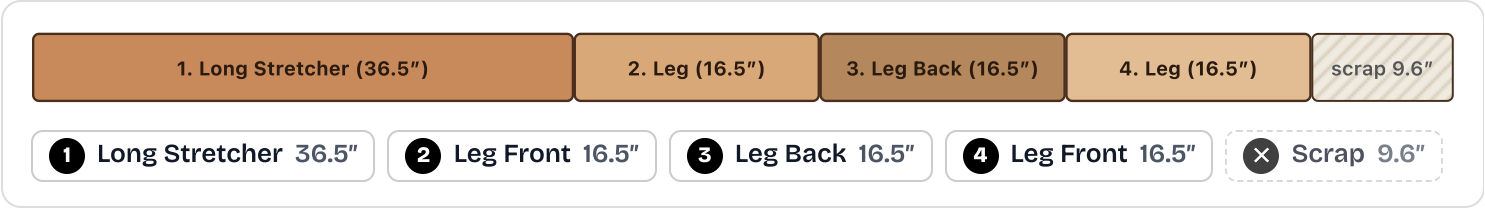
Boards with identical cuts are grouped with a multiplier badge (e.g., **5× Boards**) so you only read each cutting layout once. Includes 1/8" blade kerf.

1× Board

2x4 (8' / 96" stock)

4 cuts/board • 86.4" used • 9.6" scrap

Produces: Long Stretcher + Leg Front + Leg Back + Leg Front

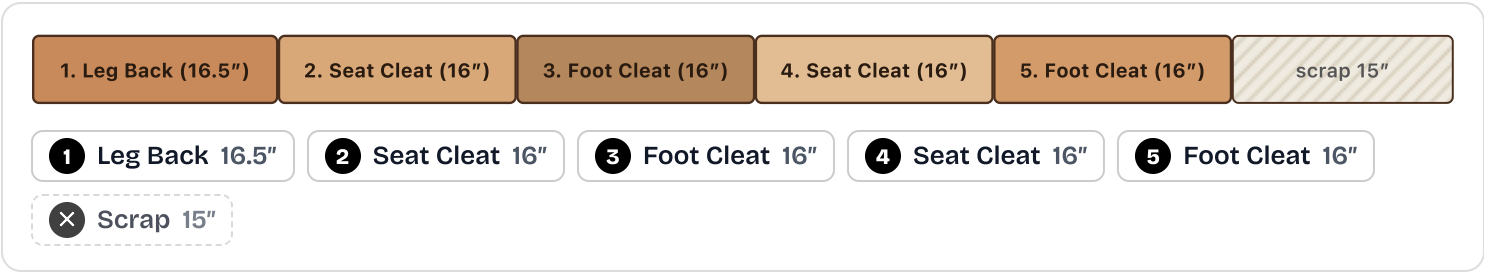


1× Board

2x4 (8' / 96" stock)

5 cuts/board • 81" used • 15" scrap

Produces: Leg Back + Seat Cleat + Foot Cleat + Seat Cleat + Foot Cleat

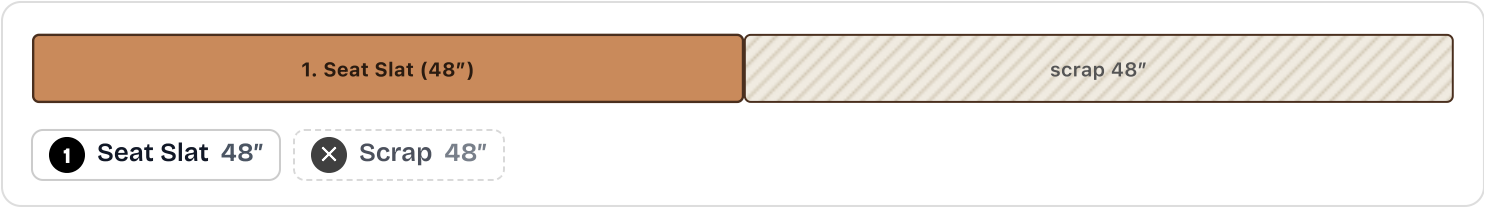


3× Boards

2x6 (8' / 96" stock)

1 cut/board • 48" used • 48" scrap

Cut this pattern 3 times (3 boards total). Makes: Seat Slat Back, Seat Slat Middle, Seat Slat Front



Step-by-Step Assembly Guide

Pieces highlighted in warm amber are added in the current step. Muted beige pieces are already assembled from previous steps.

1

Leg Assemblys (×2)

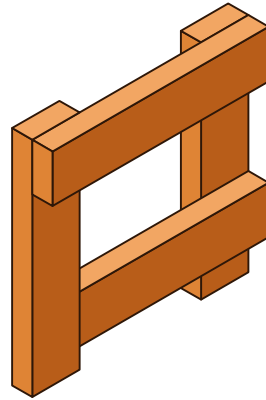
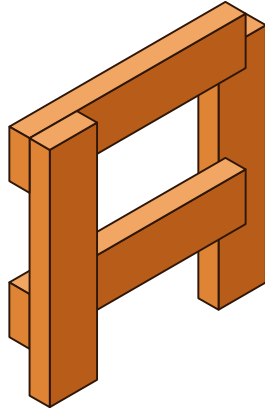
Make 2 identical units (4 pcs each):

1× Seat Cleat (2x4, 16")

1× Foot Cleat (2x4, 16")

2× Leg (2x4, 16.5")

- Drive 4× 2.5" screws (per unit) through **Seat Cleat** into **Leg**
- Drive 4× 2.5" screws (per unit) through **Foot Cleat** into **Leg**

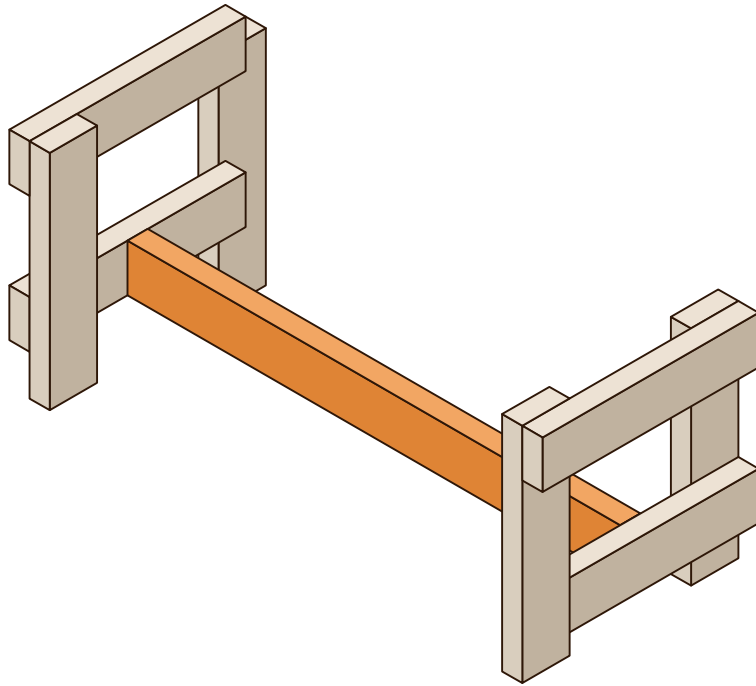


2

Frame Assembly

1× Long Stretcher (2x4, 36.5")

- Drive 2× 3" screws through **Foot Cleave** into **Long Stretcher**



3

Top & Finishing Assembly

3× Seat Slat (2x6, 48")

- Drive 6× 2.5" screws through **Seat Slat** into **Seat Cleat**

