

Twin Platform Bed

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

Specifications

Overall Dimensions	78" W × 41" D × 36" H
Total Parts Count	20 pieces (7 unique sizes)
Dimensional Stock Lumber	13 boards (9 unique cutting patterns)
Wood Screws	52 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
2×	4x4	36"	Square (90°)	2× Headboard Posts
2×	4x4	14"	Square (90°)	2× Foot Legs
2×	2x6	78"	Square (90°)	2× Rails
2×	2x4	68"	Square (90°)	2× Slat Cleats
2×	2x6	38"	Square (90°)	Head Rail · Foot Rail
7×	2x4	38"	Square (90°)	7× Slats
3×	2x6	41"	Square (90°)	3× Headboard Boards

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

4x4 (8' / 96" stock)

3 cuts/board • 86.3" used • 9.8" scrap

Produces: Headboard Post Left + Headboard Post Right + Foot Leg Left



1× Board

4x4 (8' / 96" stock)

1 cut/board • 14" used • 82" scrap

Produces: Foot Leg Right

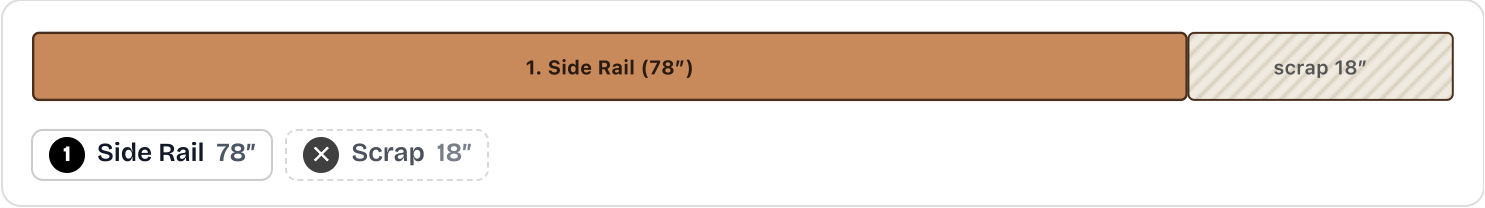


2× Boards

2x6 (8' / 96" stock)

1 cut/board • 78" used • 18" scrap

Cut this pattern 2 times (2 boards total). Makes: Left Side Rail, Right Side Rail

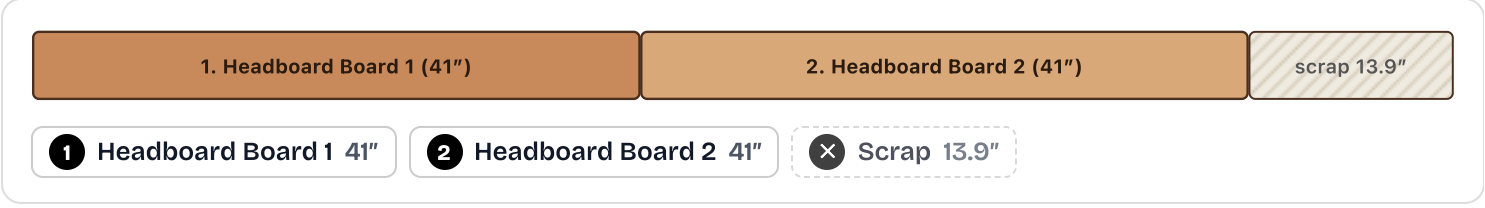


1× Board

2x6 (8' / 96" stock)

2 cuts/board • 82.1" used • 13.9" scrap

Produces: Headboard Board 1 + Headboard Board 2



1x Board 2x6 (8' / 96" stock)

2 cuts/board • 79.1" used • 16.9" scrap

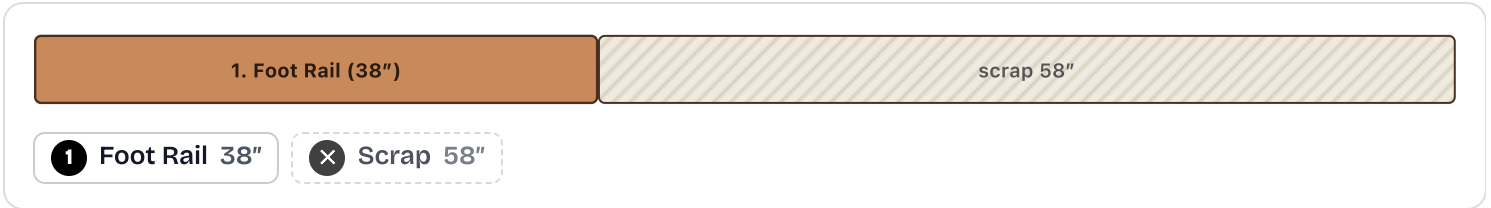
Produces: Headboard Board 3 + Head Rail



1x Board 2x6 (8' / 96" stock)

1 cut/board • 38" used • 58" scrap

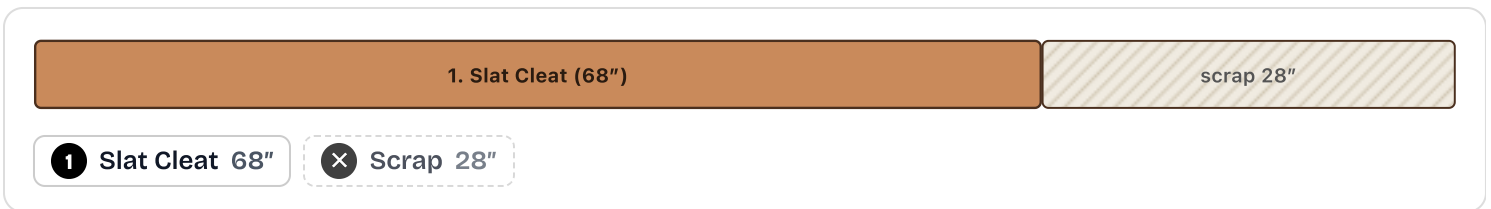
Produces: Foot Rail



2x Boards 2x4 (8' / 96" stock)

1 cut/board • 68" used • 28" scrap

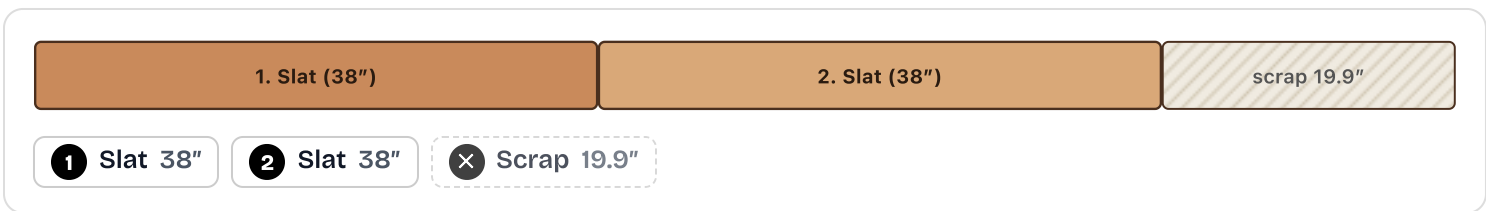
Cut this pattern **2 times** (2 boards total). Makes: Left Slat Cleat, Right Slat Cleat



3x Boards 2x4 (8' / 96" stock)

2 cuts/board • 76.1" used • 19.9" scrap

Cut this pattern **3 times** (3 boards total). Makes: Slat 1 + Slat 2, Slat 3 + Slat 4, Slat 5 + Slat 6



1x Board 2x4 (8' / 96" stock)

1 cut/board • 38" used • 58" scrap

Produces: Slat 7



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

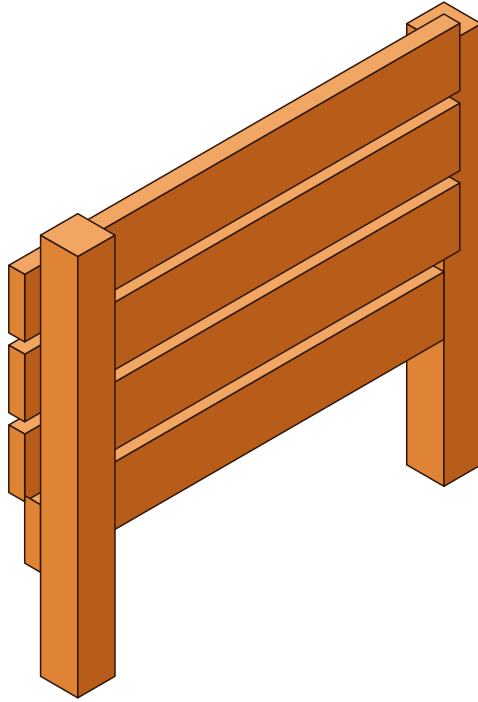
Headboard

2× Headboard Post (4x4, 36")

1× Head Rail (2x6, 38")

3× Headboard Board (2x6, 41")

- Drive 4× 2.5" screws through **Head Rail** into **Headboard Post**
- Drive 12× 2.5" screws through **Headboard Board** into **Headboard Post**

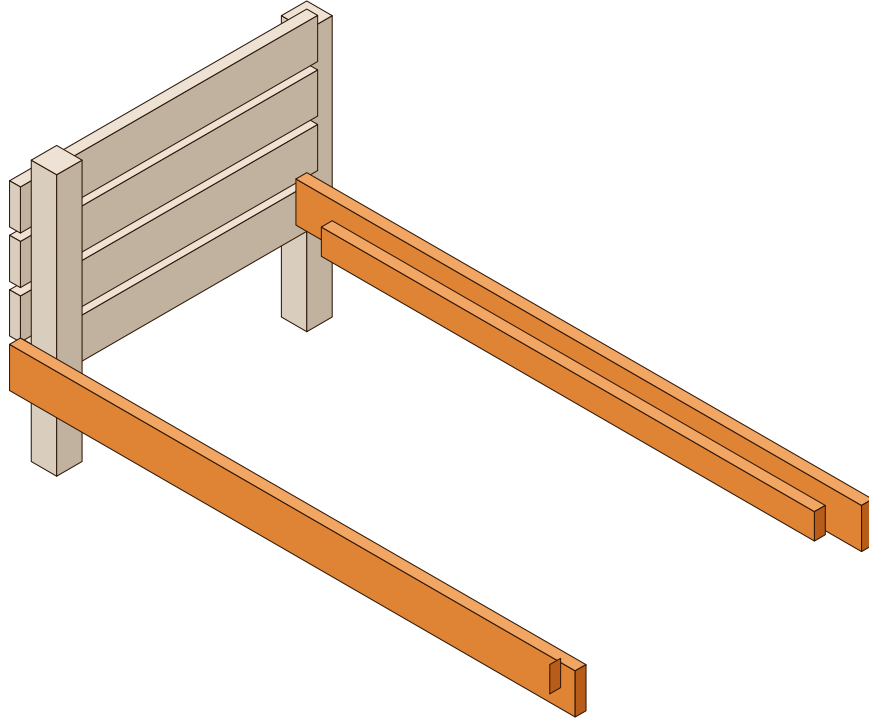


2

Side Rails (×2)

Make 2 identical units (2 pcs each): 1× Left Side Rail (2x6, 78") 1× Left Slat Cleat (2x4, 68")

- Drive 2× 2.5" screws (per unit) through **Side Rail** into **Headboard Post**
- Drive 5× 2.5" screws (per unit) through **Slat Cleat** into **Side Rail**



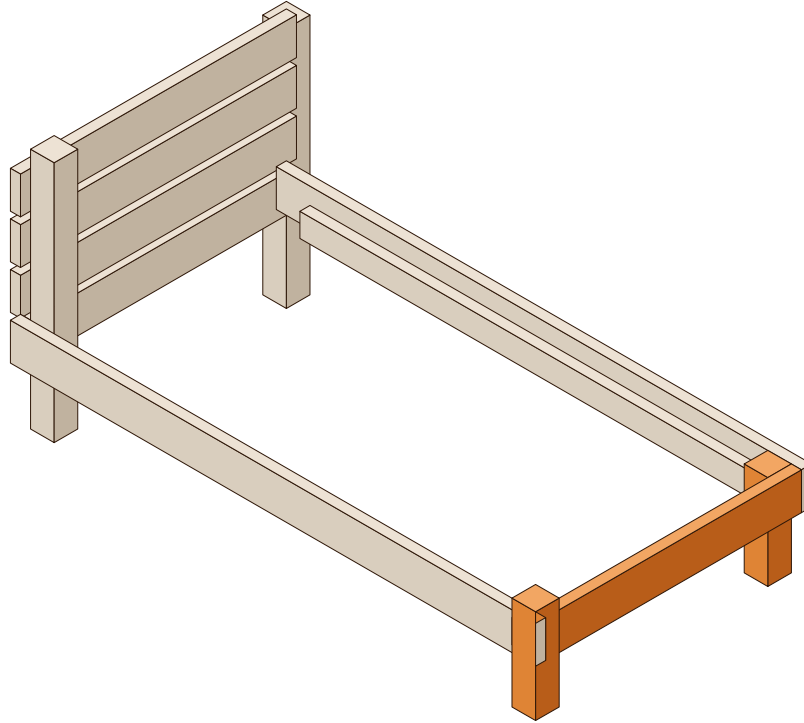
3

Frame Assembly

2× Foot Leg (4x4, 14")

1× Foot Rail (2x6, 38")

- Drive 4× 2.5" screws through **Side Rail** into **Foot Leg**
- Drive 4× 2.5" screws through **Foot Rail** into **Foot Leg**



4

Top & Finishing Assembly

7× Slat (2x4, 38")

- Drive 14× 2.5" screws through **Slat** into **Slat Cleat**

