

Mudroom Boot & Coat Bench

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

Specifications

Overall Dimensions	36" W × 17" D × 65.5" H
Total Parts Count	21 pieces (6 unique sizes)
Dimensional Stock Lumber	8 boards (8 unique cutting patterns)
Wood Screws	34 screws

3D Project Overview



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×	4x4	16.5"	Square (90°)	4× Legs
4×	2x4	11"	Square (90°)	2× Aprons · 2× Stretchers
5×	2x4	36"	Square (90°)	2× Aprons · 2× Stretchers · Coat Hook Rail
3×	2x6	36"	Square (90°)	2× Seat Slats · Hat Shelf
3×	2x4	14"	Square (90°)	3× Boot Slats
2×	2x4	64"	Square (90°)	2× Coat Uprights

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)

4 cuts/board • 66.4" used • 29.6" scrap

Produces: Leg FL + Leg BL + Leg FR + Leg BR

1. Leg FL (16.5")

2. Leg BL (16.5")

3. Leg FR (16.5")

4. Leg BR (16.5")

scrap 29.6"

1 Leg FL 16.5"

2 Leg BL 16.5"

3 Leg FR 16.5"

4 Leg BR 16.5"

× Scrap 29.6"

1× Board

2x4 (8' / 96" stock)

3 cuts/board • 92.3" used • 3.8" scrap

Produces: Left Coat Upright + Boot Slat 1 + Boot Slat 2

1. Left Coat Upright (64")

2. 14"

3. 14"

3.8"

1 Left Coat Upright 64"

2 Boot Slat 1 14"

3 Boot Slat 2 14"

× Scrap 3.8"

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

3 cuts/board • 89.3" used • 6.8" scrap

Produces: Right Coat Upright + Boot Slat 3 + Left Apron



- 1 Right Coat Upright 64" 2 Boot Slat 3 14" 3 Left Apron 11" X Scrap 6.8"

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

4 cuts/board • 94.4" used • 1.6" scrap

Produces: Front Apron + Front Stretcher + Left Stretcher + Right Apron



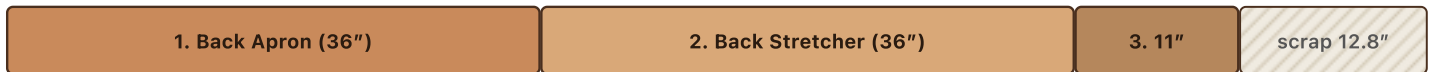
- 1 Front Apron 36" 2 Front Stretcher 36" 3 Left Stretcher 11" 4 Right Apron 11"

X Scrap 1.6"

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

3 cuts/board • 83.3" used • 12.8" scrap

Produces: Back Apron + Back Stretcher + Right Stretcher

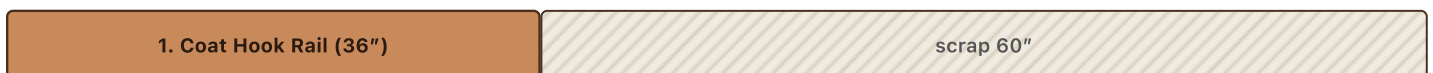


- 1 Back Apron 36" 2 Back Stretcher 36" 3 Right Stretcher 11" X Scrap 12.8"

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

1 cut/board • 36" used • 60" scrap

Produces: Coat Hook Rail



- 1 Coat Hook Rail 36" X Scrap 60"

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

2 cuts/board • 72.1" used • 23.9" scrap

Produces: Seat Slat 1 + Seat Slat 2



- 1 Seat Slat 1 36" 2 Seat Slat 2 36" X Scrap 23.9"

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

1 cut/board • 36" used • 60" scrap

Produces: Top Hat Shelf

1. Top Hat Shelf (36")

scrap 60"

1 Top Hat Shelf 36"

✕ Scrap 60"

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

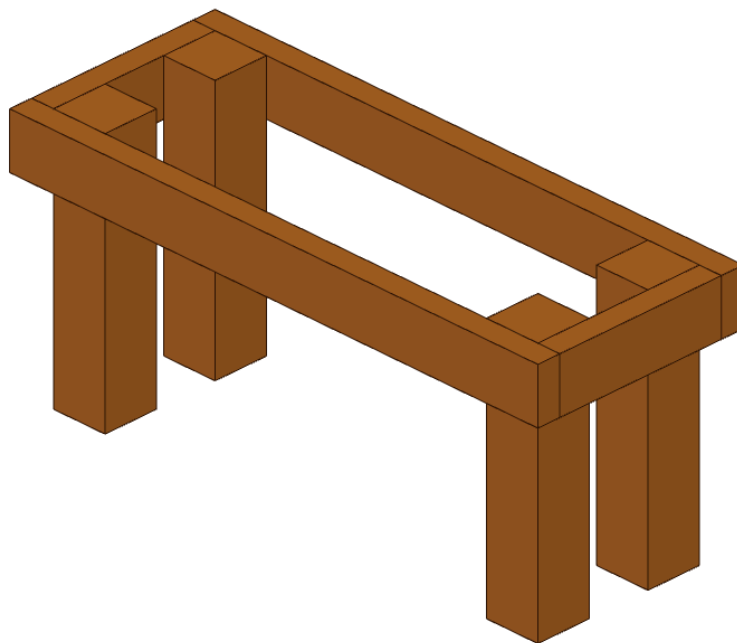
Bench Base

4x Leg (4x4, 16.5")

2x Apron (2x4, 11")

2x Apron (2x4, 36")

- Drive 8x 2.5" screws through Apron into Leg



2

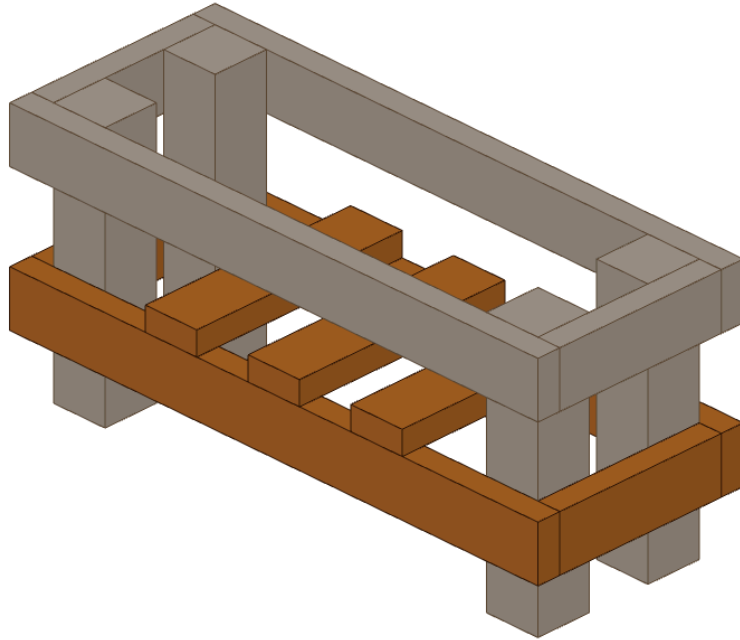
Boot Rack

2× Stretcher (2x4, 11")

2× Stretcher (2x4, 36")

3× Boot Slat (2x4, 14")

- Drive 8× 2.5" screws through **Stretcher** into **Leg**
- Drive 6× 2.5" screws through **Boot Slat** into **Stretcher**

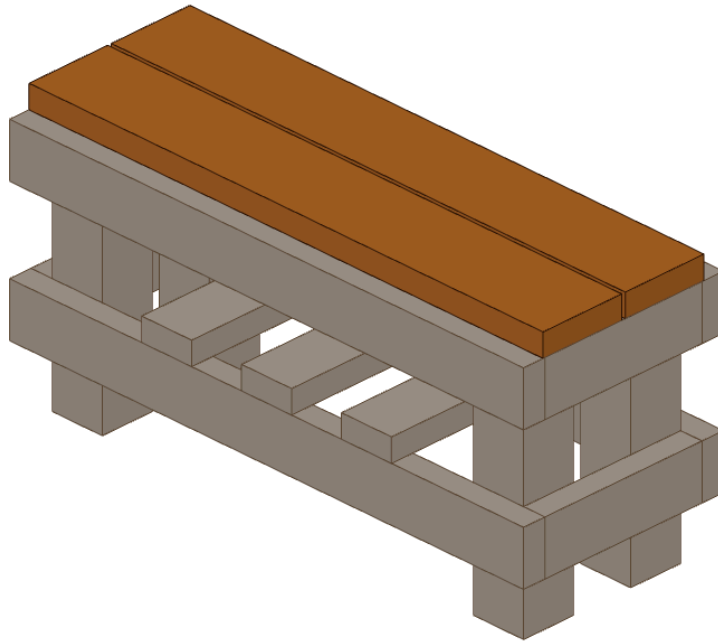


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Seat Assembly

2× Seat Slat (2x6, 36")

- Drive 4× 2.5" screws through **Seat Slat** into **Apron**



4

Upper Coat Rack

2× Coat Upright (2x4, 64")

1× Coat Hook Rail (2x4, 36")

1× Top Hat Shelf (2x6, 36")

- Drive 2× 2.5" screws through **Coat Upright** into **Stretcher**
- Drive 2× 2.5" screws through **Coat Upright** into **Apron**
- Drive 2× 2.5" screws through **Coat Hook Rail** into **Coat Upright**
- Drive 2× 2.5" screws through **Top Hat Shelf** into **Coat Upright**

