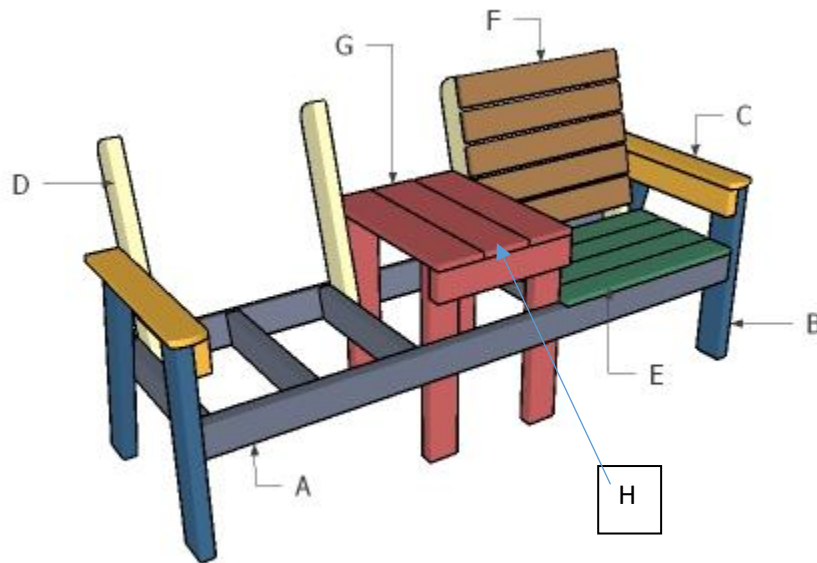


Large Double Chair Bench Plans

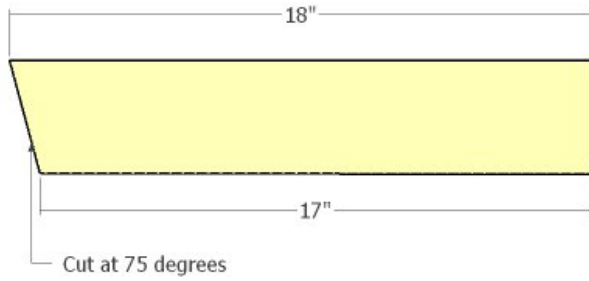


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Building a large double chair bench

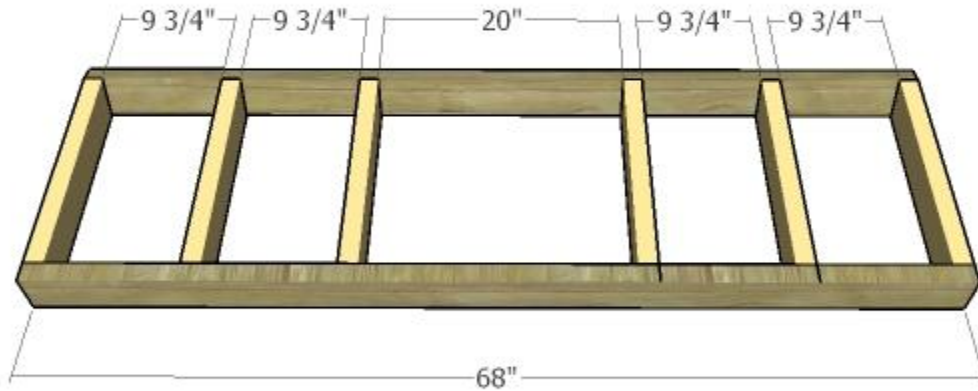
- **Materials**
 - **All lumber is treated**
 - **A** – 2 pieces of 2×4 lumber – 68" long, 6 pieces – 18" long **FRAME**
 - **B** – 2 pieces of 2×4 lumber – 23" long, 2 pieces – 24 3/4" long **LEGS**
 - **C** – 2 pieces of 2×4 lumber – 21 3/4" long, 2 pieces of 1×4 lumber – 22 1/4" long **SUPPORTS**
 - **D** – 4 pieces of 2×4 lumber – 24" long **BACKREST SUPPORTS**
 - **E** – 8 pieces of 1×4 lumber – 25 1/2" long **SEAT**
 - **F** – 10 pieces of 1×4 lumber – 24" long **BACKREST**
 - **G** (Arrow refers to the Table Top Frame)– 4 pieces of 2×4 lumber – 23" long, 2 pieces – 17" long,
 - **H** -- 3 pieces of 1×6 lumber – 21 3/4" long **TABLE TOP**
-
- | | |
|-------------------------------|-------------------------------|
| • 8 pieces of 2×4 lumber – 8' | • 100 pieces of 1 1/4" screws |
| • 6 pieces of 1×4 lumber – 8' | • 100 pieces of 2 1/2" screws |
| • 1 piece of 1×6 lumber – 8' | • filler, glue |

How to build a heavy duty double chair bench



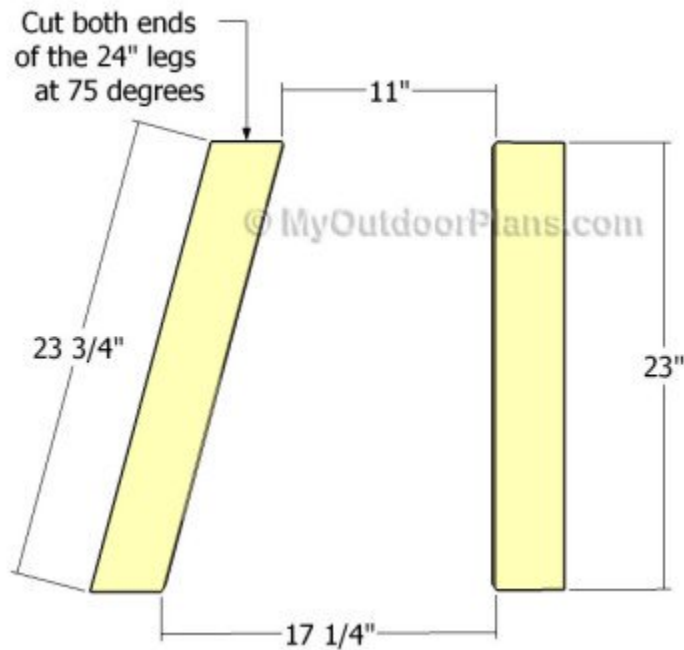
Seat frame support

The first step of the project is to build the seat frame for the double chair bench. Use 2x4 lumber for the components, making sure you cut them at the right dimensions. Cut one end of the supports at 75 degrees using a good miter saw.



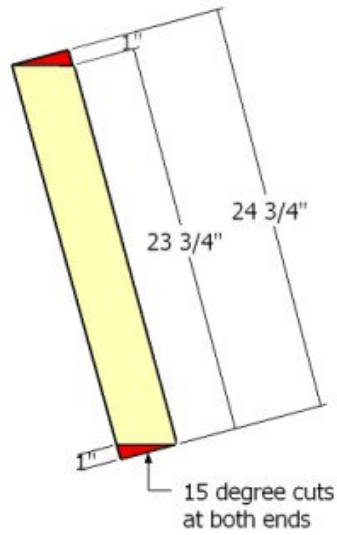
Building the frame of the bench

Next, you need to assemble the seat frame by attaching the 2×4 supports, as shown in the diagram. Drill pilot holes through the front and back supports and insert 2 1/2" screws into the perpendicular components. Make sure the corners are square and add waterproof glue to the joints.



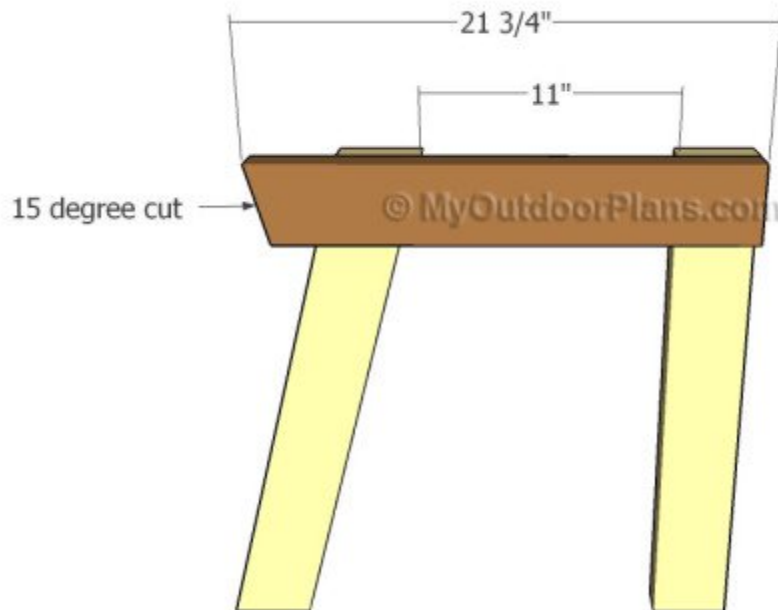
Building the legs

Continue the woodworking project by building the legs for the double chair bench with table. Cut both ends of the back legs at 75 degrees. Smooth the edges with sandpaper.



Back Legs

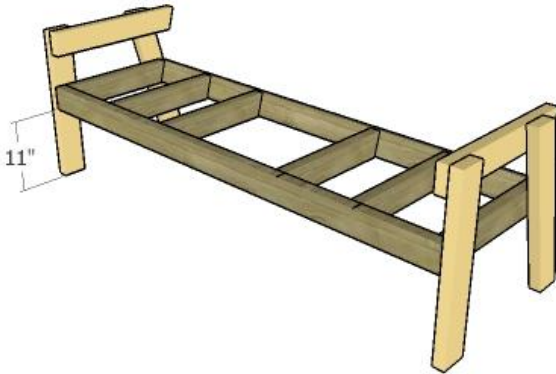
You can see in the diagram more information about cutting the back legs. As I have already said, cut both ends at 75 degree, which means you need to make 15 degree cuts. Use the information from the diagram to build the back legs properly. The easiest way to get accurate angle cuts is to use a miter saw. Smooth the cut edges with sandpaper.



Attaching the armrest support

Continue the project by attaching the top support to the side legs. Cut one end of the 2×4 support at 75 degrees. Attach the support to the top of the legs, making sure the edges are perfectly aligned. Drill pilot holes and secure the support to the legs using 2 1/2" screws. Pre-drilling prevents the wood from splitting.

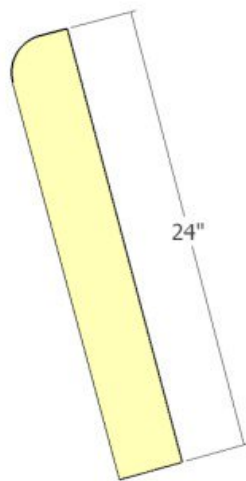
Use a carpentry square to make sure the corners are 90 degrees. In addition, you can set the legs against a straight line, so you make sure they are aligned properly, before attaching the horizontal supports.



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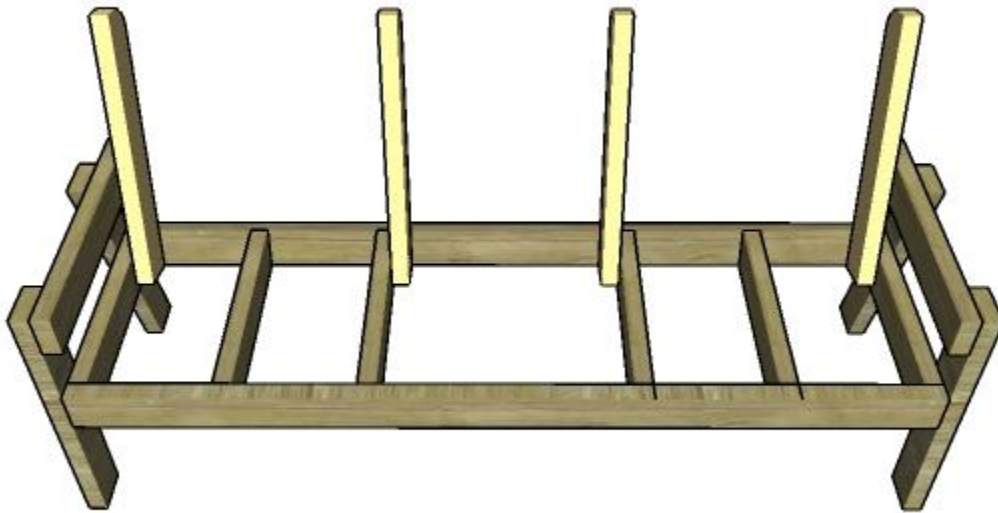
Assembling the frame of the bench

Attach the sides to the seat frame for the double chair bench. Drill pilot holes through the sides of the frame and insert 2 1/2" screws into the legs. Make sure the corners are square and align the seat frame to the side legs flush.



Building the backrest supports

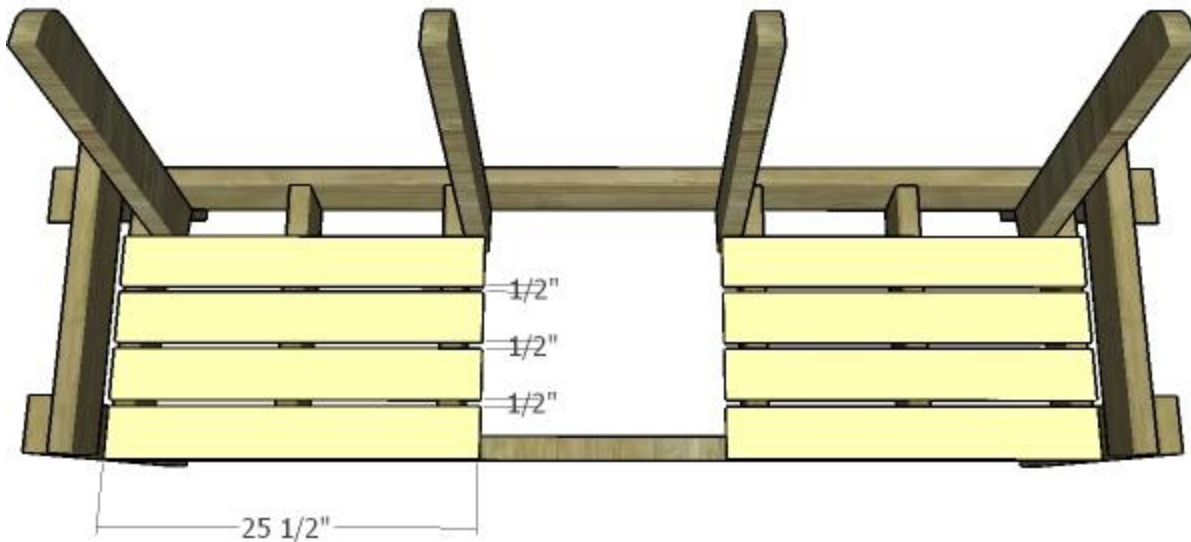
Build the backrest supports from 2×4 lumber. Round the exposed corner of the supports using a jigsaw and smooth the edges with sandpaper.



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Fitting the backrest supports

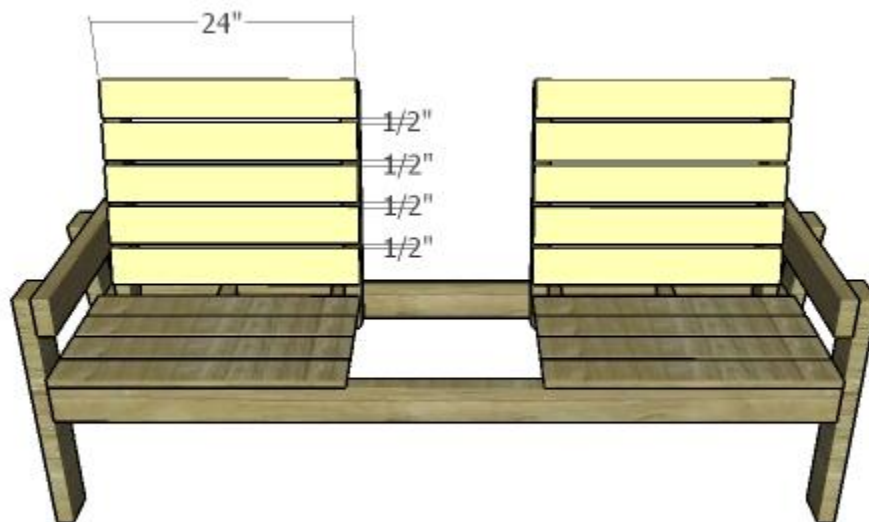
Fit the backrest supports to the seat frame, as shown in the diagram. Align everything with attention and drill pilot holes through the supports. Insert 2 1/2" screws into the seat frame. Make sure everything is aligned properly before inserting the galvanized screws.



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Fitting the seat slats

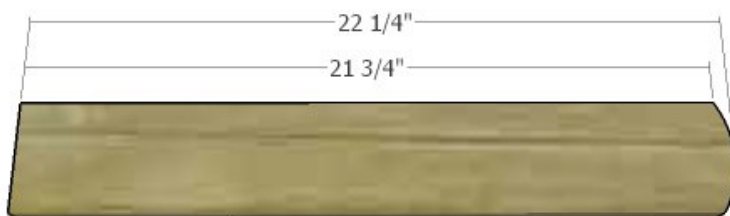
Next, attach the 1x4 slats to the seat frame to form the chairs. Place a piece of 1/2" plywood or spacer between the slats to create even gaps between the components. Drill pilot holes and use 1 1/4" screws to secure the slats into place.



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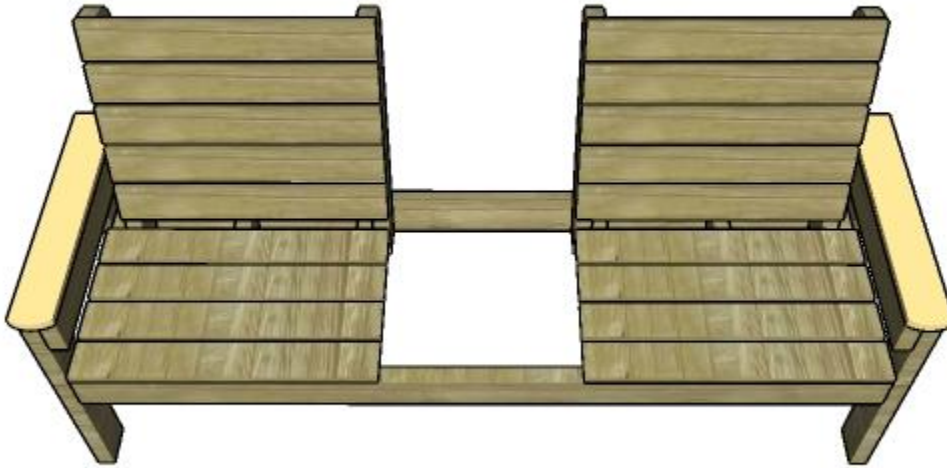
Attaching the backrest slats

Attach the backrest slats to the supports in the same manner described above.



Building the armrests

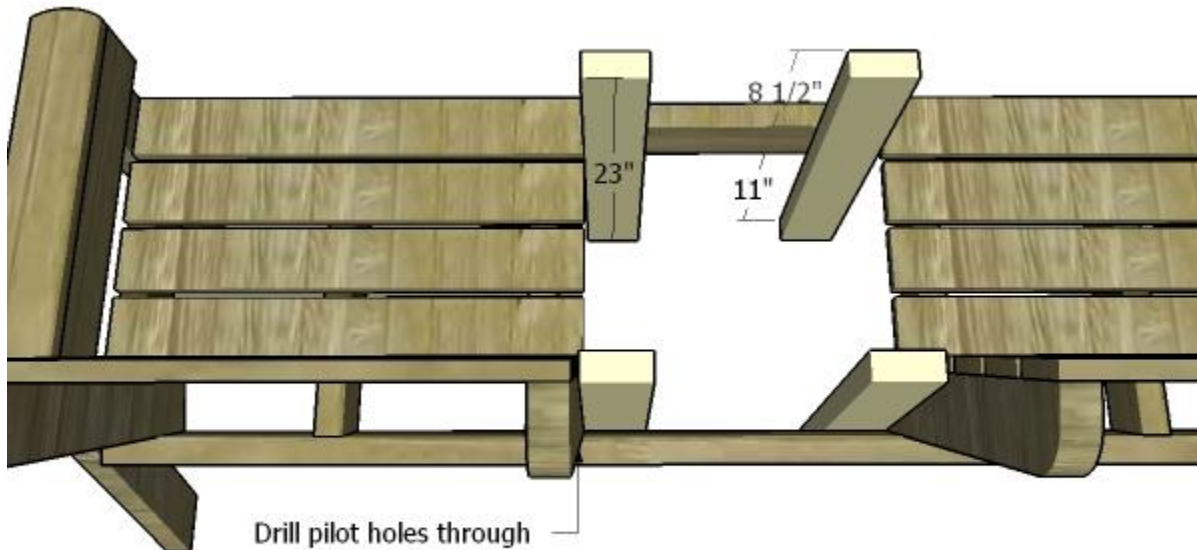
Build the armrests for the double chair bench from 1x4 lumber. Round one end of the slats for a beautiful look. Smooth the edges with sandpaper.



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Fitting the armrests

Fit the armrests to the double chair bench. Align the components with attention and secure them into place with 1 1/4" brad nails.



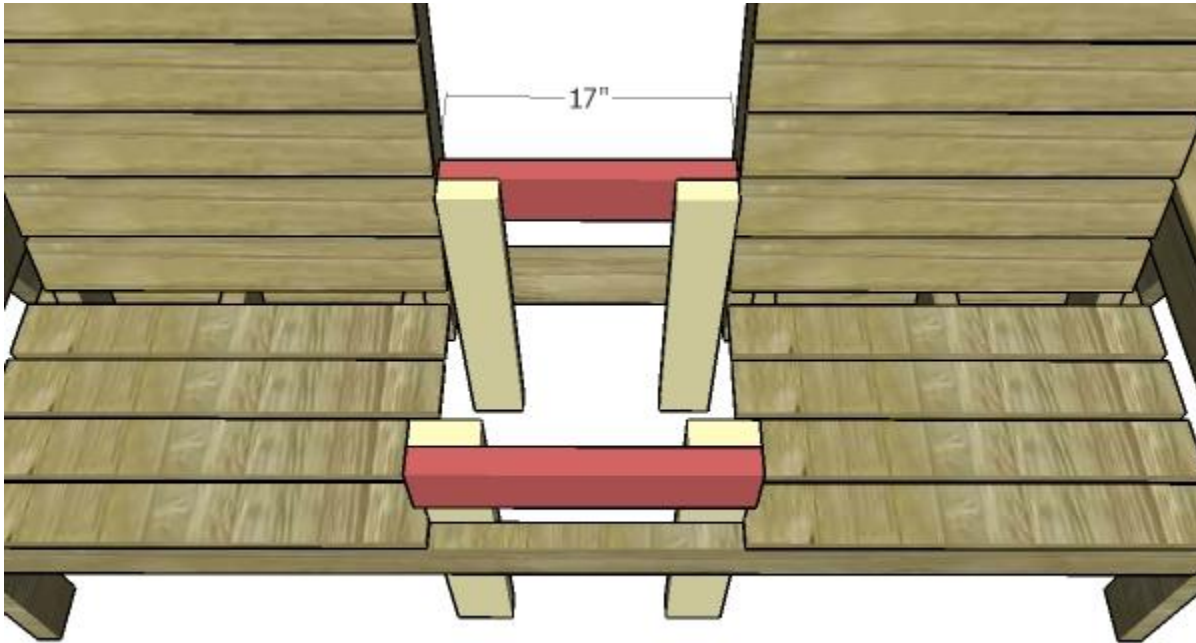
Drill pilot holes through the back supports and insert 2 1/2" screws

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Fitting the table legs

Next, you have to attach the 2x4 legs to the middle of the double chair bench. These legs have a dual purpose, on one hand they add rigidity to the bench and on the other hand they will support the tabletop. Place the bench on a level surface before attaching the legs to structure.

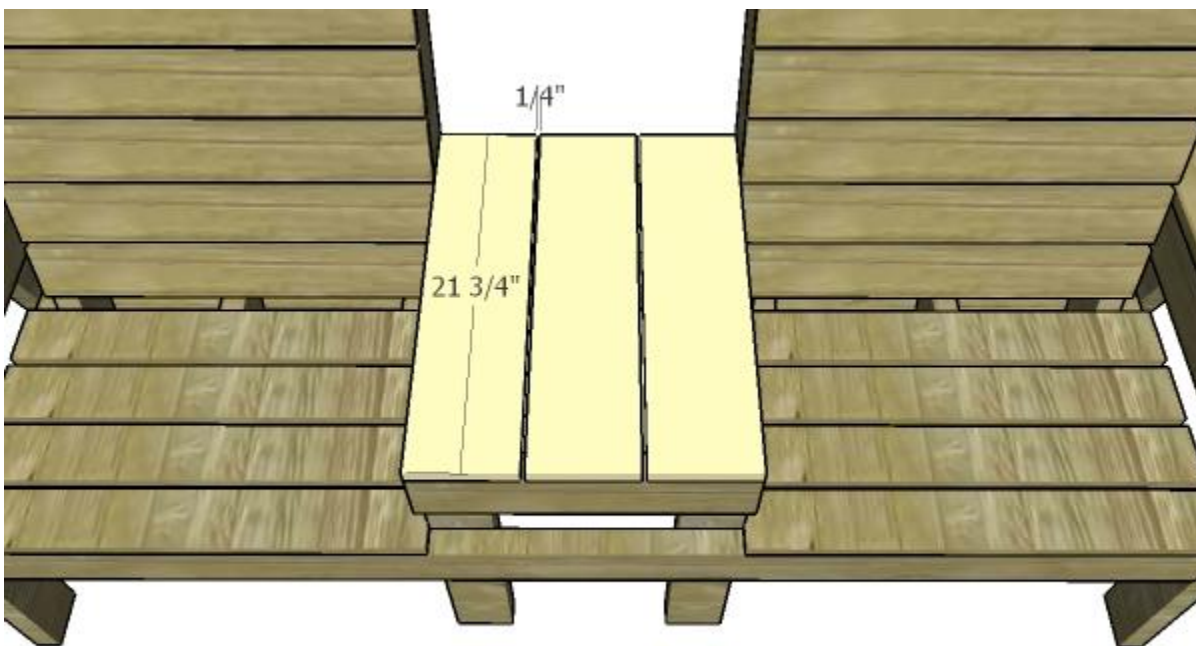
Drill pilot holes through the legs and insert 2 1/2" screws into place. Use a spirit level to make sure the legs are plumb before inserting the screws, for a professional result.



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Fitting the table supports

Fit the 2x4 supports to the top of the legs, as shown in the diagram. Drill pilot holes through the legs and insert 2 1/2" screws into the supports. Make sure the supports are perfectly horizontal and check if the corner are square.



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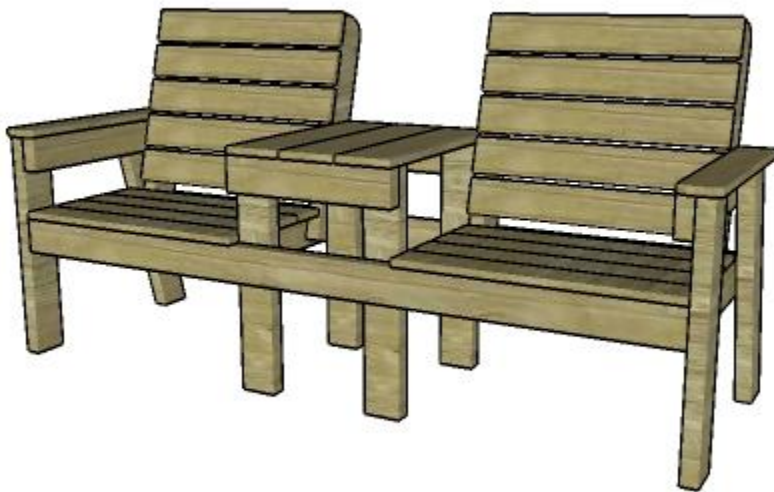
Fitting the tabletop slats

Use 1x6 lumber for the tabletop. Place a piece of 1/4" plywood between the slats to get consistent gaps. Drill pilot holes through the slats and insert 1 1/4" screws into the supports. Smooth the edges with attention for a professional result.



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Large Double chair bench with table plans



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One of the last steps of the woodworking project is to apply finishing touches as you see fit.