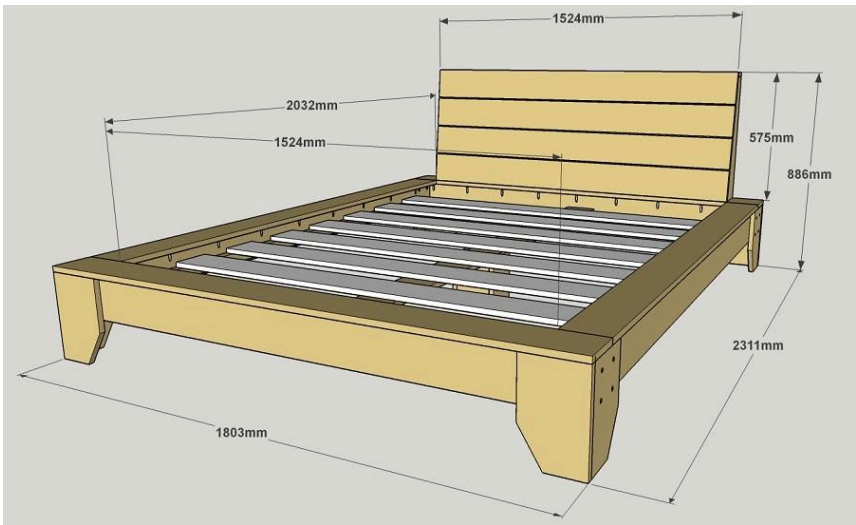


Platform Bed – Metric

By **Kreg Tool**

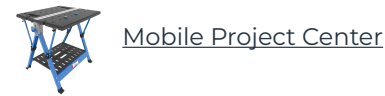
Difficulty
Moderate

Build this beautiful platform bed and you're sure to have sweet dreams. It offers a sophisticated style you'd pay big bucks for in a store, but this bed is easy and economical to build. The bed holds a Queen-size mattress. It's made from pine boards that can be stained for any look you'd like.



Tools

Kreg Tools



Other Tools

Jigsaw

Miter Saw

Square

Tape Measure

Drill (cordless)

Sander

Materials

Wood Products

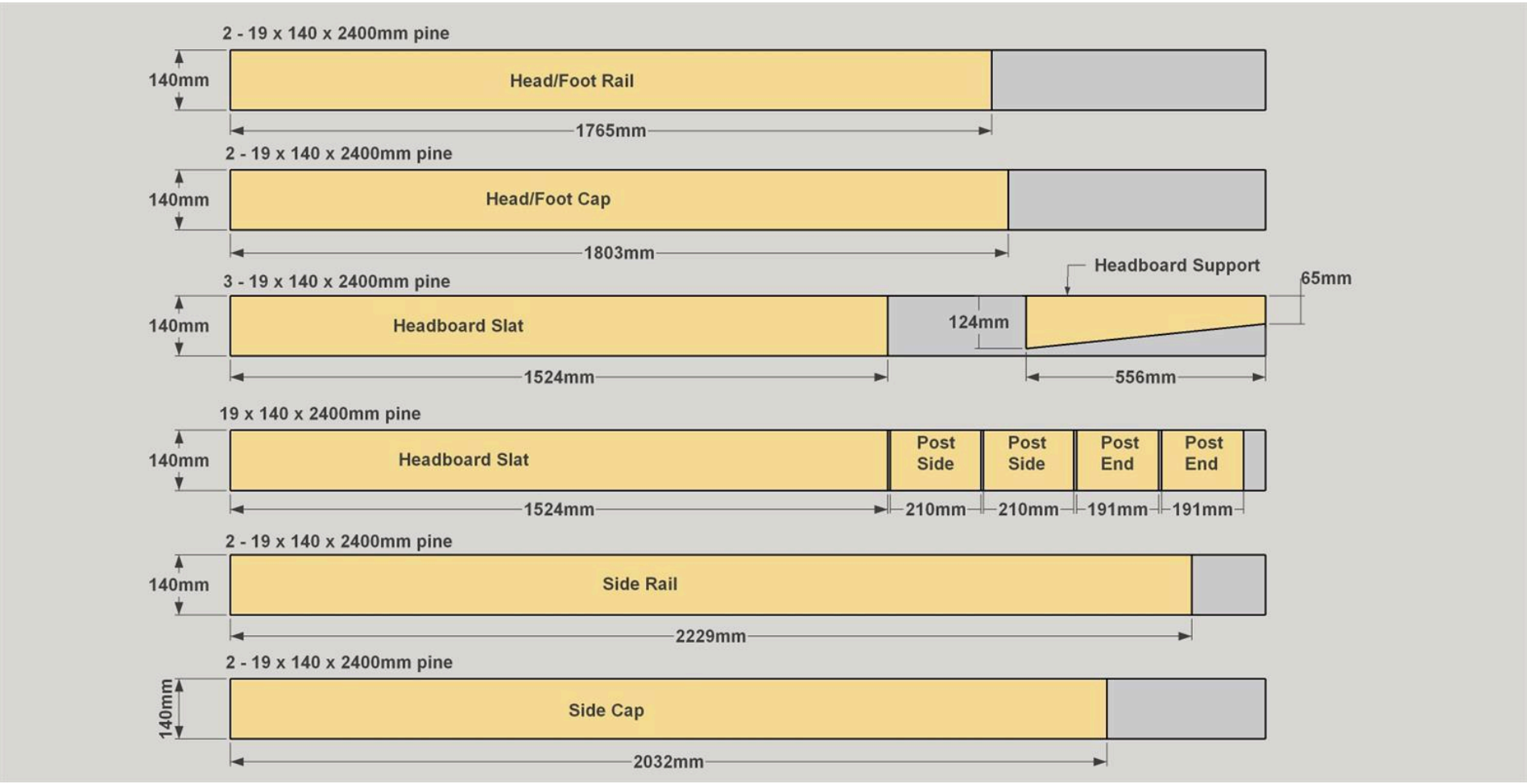
- 1** Board , 19mm X 64mm , 1800mm
- 13** Board , 19mm X 140mm , 2400mm
- 1** Board , 19mm X 184mm , 2400mm
- 8** Board , 19mm X 140mm , 2400mm
- 2** Board , 38mm X 38mm , 2400mm

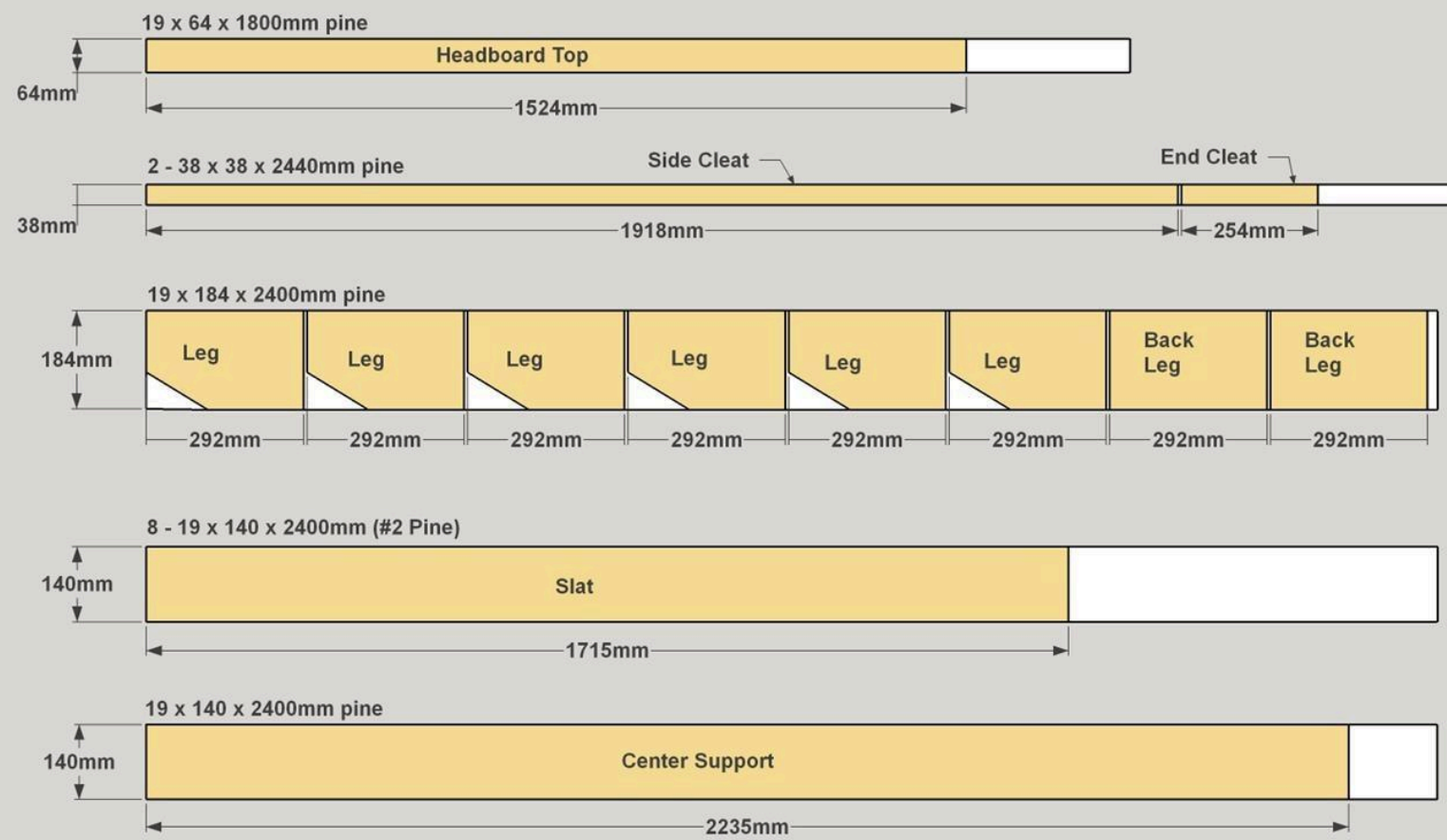
Hardware & Supplies

- 100** Kreg 32mm Coarse-thread Pocket-hole Screws
- 26** 50mm Flat-head Wood Screws
- 40** 32mm Flathead Wood Screws
- 16** 28mm Connector Bolts
- 16** 28mm Connector Nuts
- 1** Wood Glue

Cut List & Parts

- 6 Leg , 19 X 184 X 292mm
- 2 Back Leg , 19 X 184 X 292mm
- 2 Head/Foot Rail , 19 X 140 X 1765mm
- 2 Head/Foot Cap , 19 X 140 X 1803mm
- 2 Rail Cleat , 38 X 38 X 1918mm
- 3 Headboard Support , 19 X 124 X 556mm
- 4 Headboard Slat , 19 X 140 X 1524mm
- 2 End Cleat , 38 X 38 X 254mm
- 2 Center Post Side , 19 X 140 X 210mm
- 2 Center Post End , 19 X 140 X 191mm
- 1 Center Support , 19 X 140 X 2235mm
- 8 Slat , 19 X 140 X 1715mm
- 2 Side Rail , 19 X 140 X 2229
- 2 Side Cap , 19 X 140 X 2032mm
- 2 Side Cleat , 38 X 38 X 1918mm
- 1 Headboard Top , 19 X 64 X 1524mm



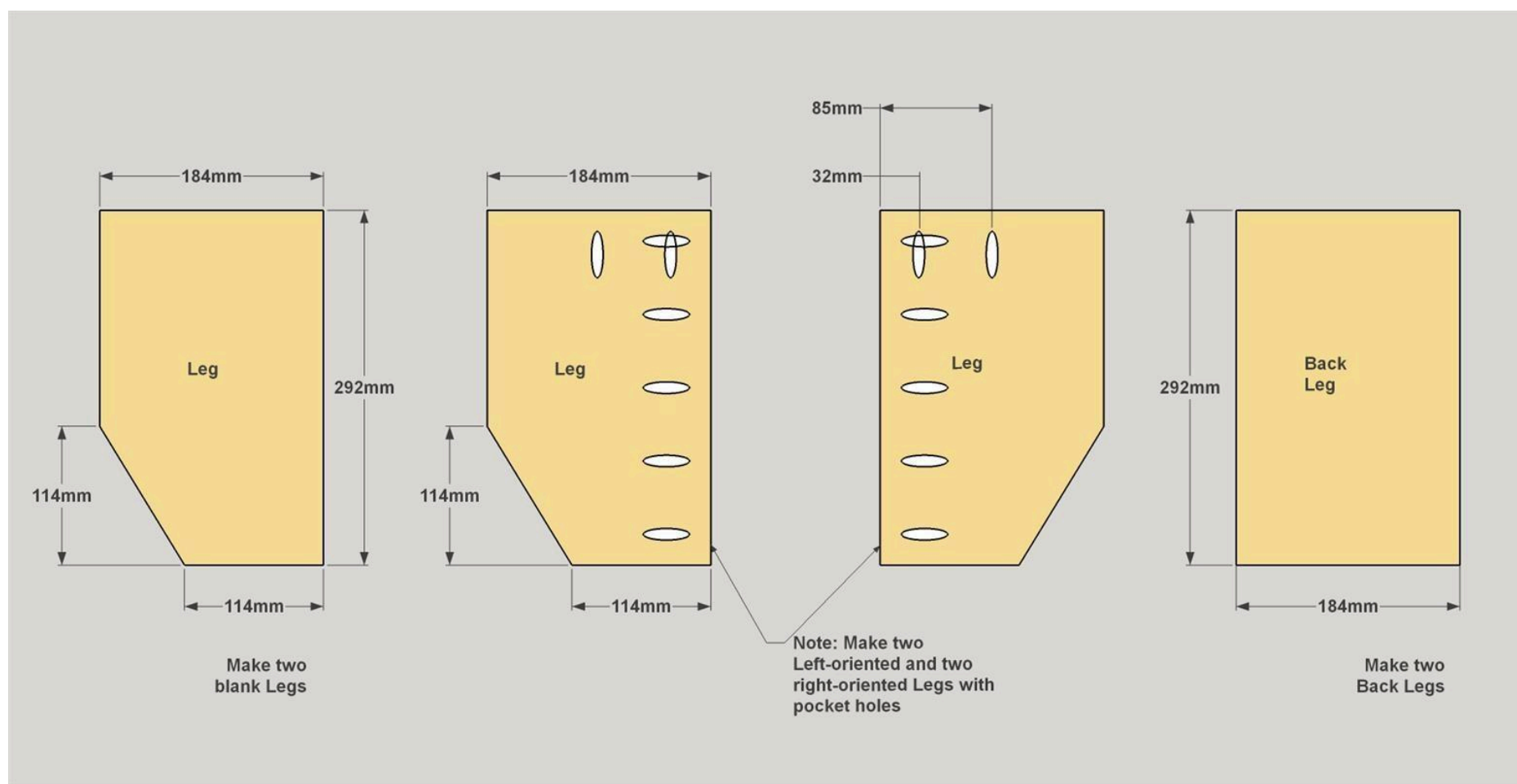


Directions

1

Make the Legs

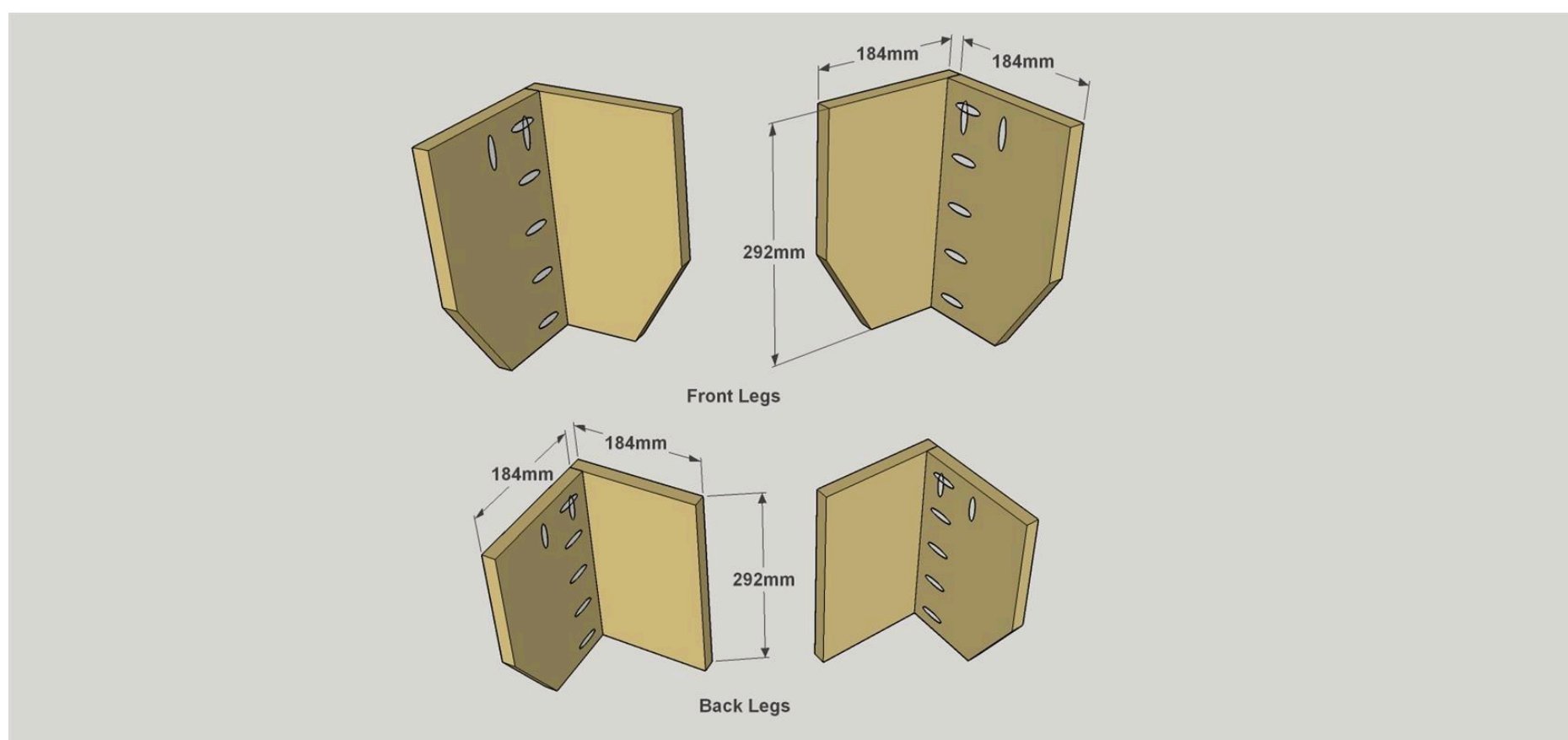
Cut six Legs and two Back Legs from a 19x184mm board, as shown in the cutting diagram. Cut the angle, as shown, on the Legs (but not the Back Legs) using a jigsaw. Then sand the cut edges smooth. With your pocket-hole jig set up for 19mm material, drill pocket holes on four of the Legs, making sure they mirror one another as shown.



2

Assemble the Legs

Assemble the Legs and Back Legs as shown to create four leg assemblies. Use 32mm coarse-thread pocket-hole screws.



3

Make Headboard and Footboard Rails

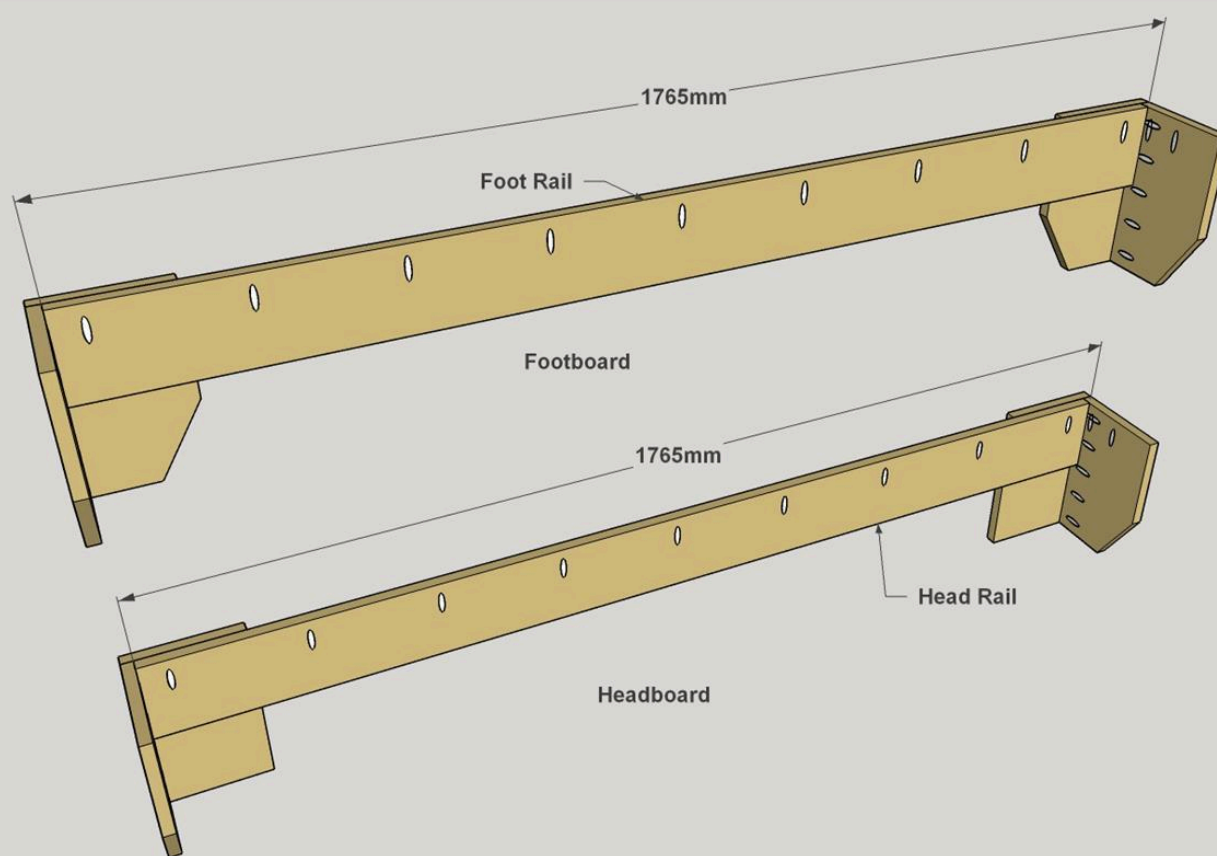
Cut one Head Rail and one Foot Rail to size from 19x140mm boards, as shown in the cutting diagram. Then drill pocket holes where shown.



4

Connect the Legs and Rails

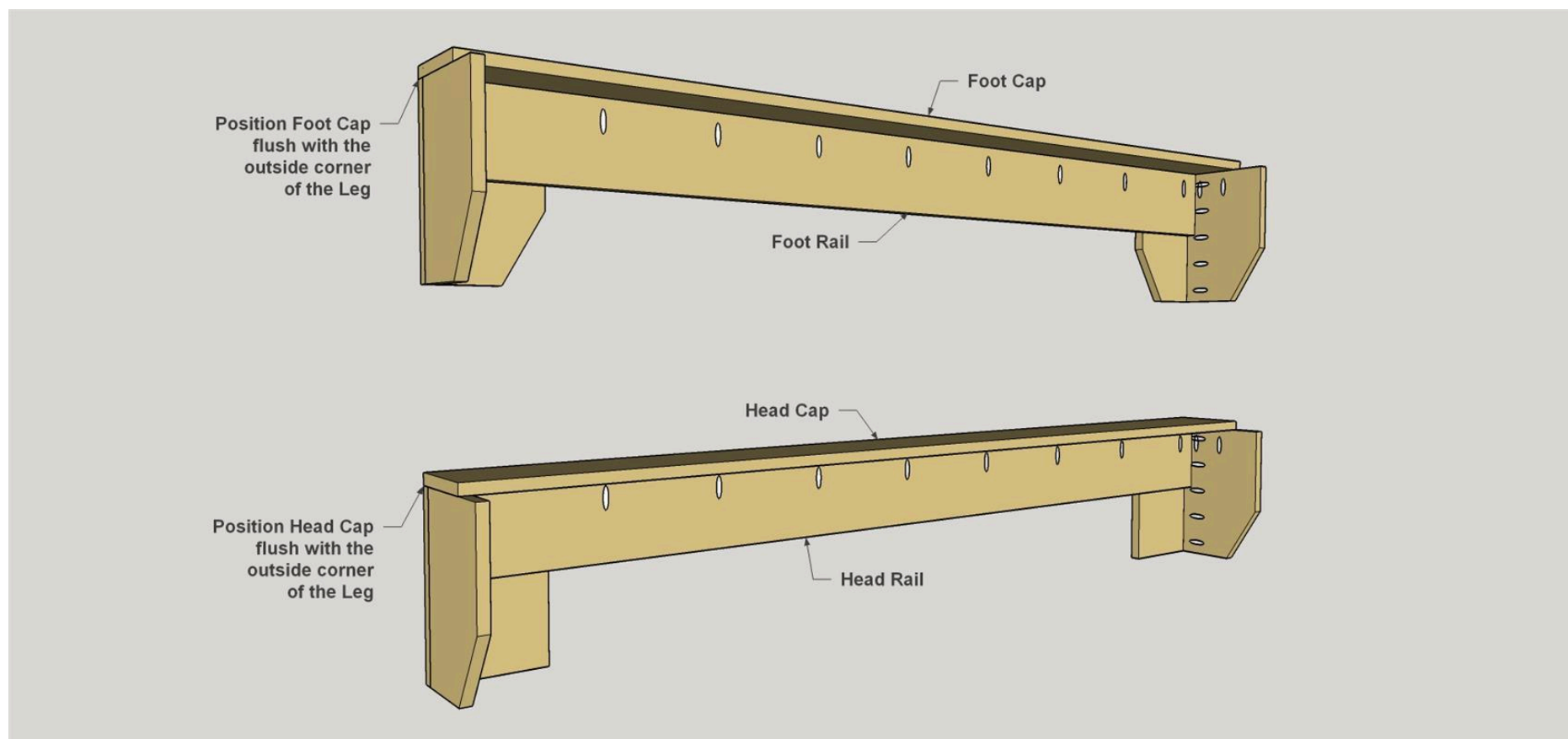
Glue and clamp the Foot Rail to the two leg assemblies that have angled sides, and then secure the parts by driving four 32mm flathead wood screws through the Foot Rail from inside, and into the leg assembly. Attach the other leg assemblies to the Head Rail in the same way.



5

Make Head and Foot Caps

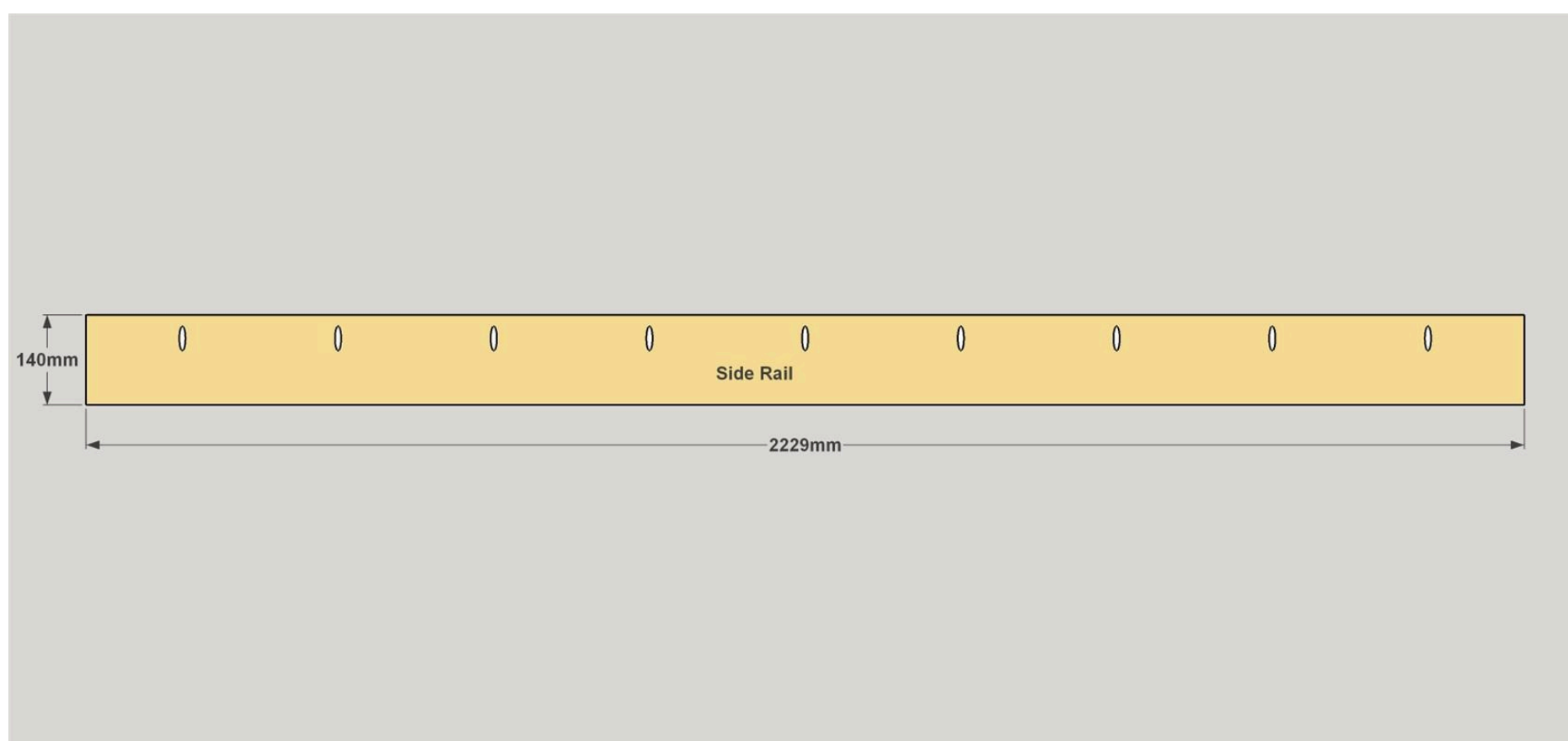
Cut the Headboard and Footboard Caps to length from 19x140mm boards, as shown in the cutting diagram. Attach the caps to the Leg and Rail assembly with 32mm coarse-thread pocket-hole screws, as shown.



6

Make Side Rails

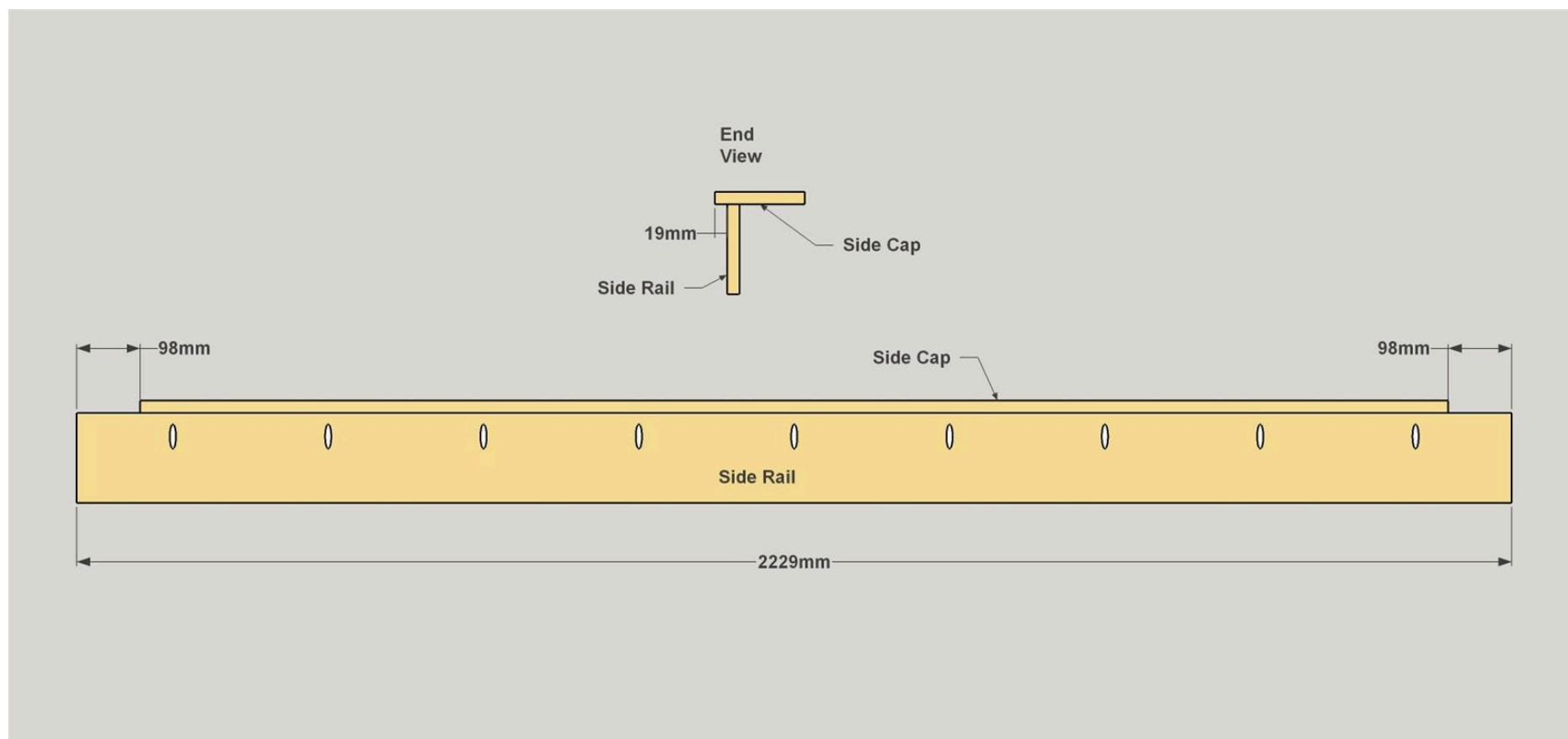
Cut two Side Rails to length from 19x140mm boards, as shown in the cutting diagram. Then drill pocket holes where shown.



7

Attach the Side Cap to Rails

Cut two Side Caps to length from 19x140mm boards, as shown in the cutting diagram. Attach the Side Caps to the Side Rails, as shown, using 32mm coarse-thread pocket-hole screws.



8

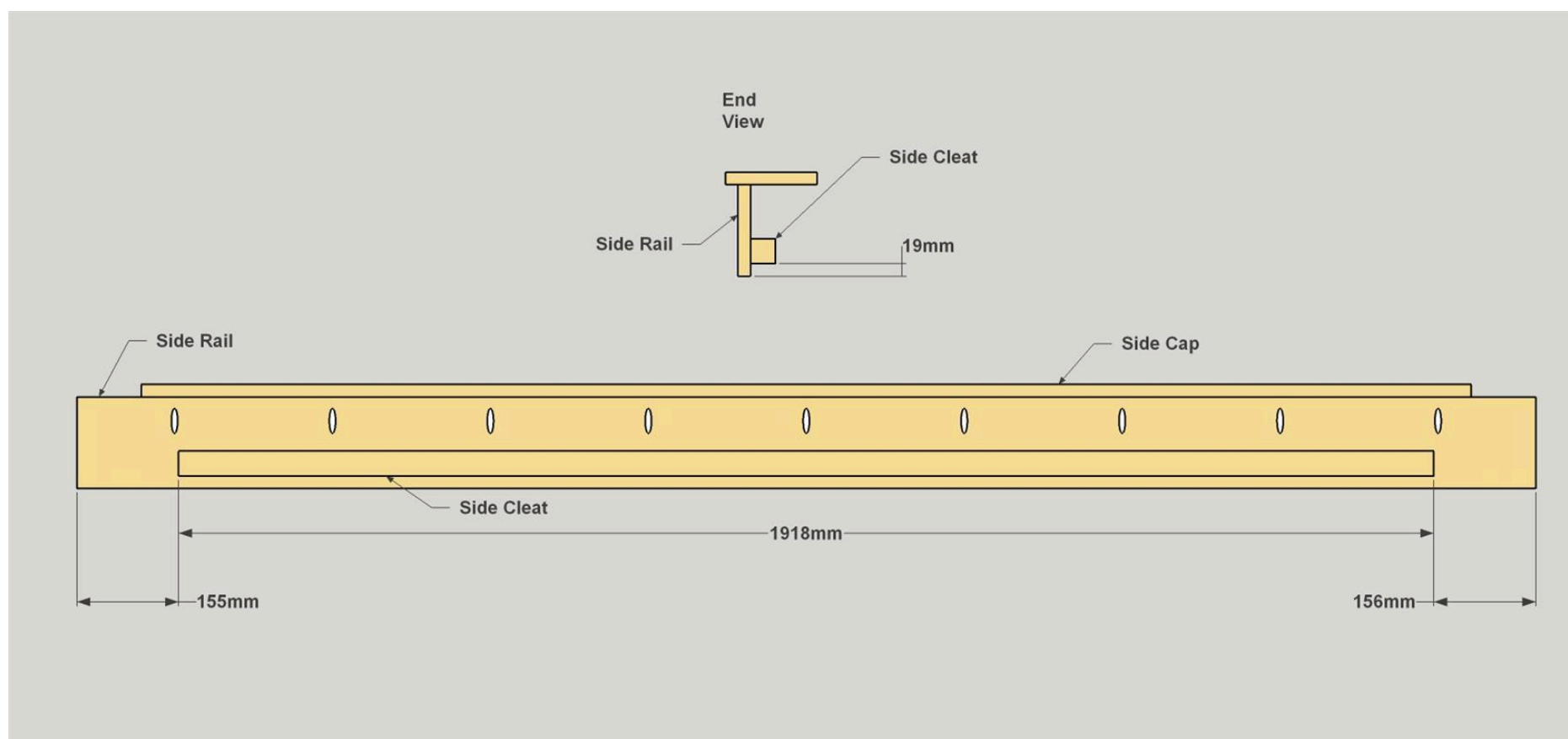
Make the Rail Cleats

Cut two Rail Cleats from a 38x38mm board, as shown in the cutting diagram. Then Drill 10 evenly spaced pilot holes for 4mm flathead screws that will be used to attach the Rail Cleats to the Side Rails.

9

Attach the Rail Cleats

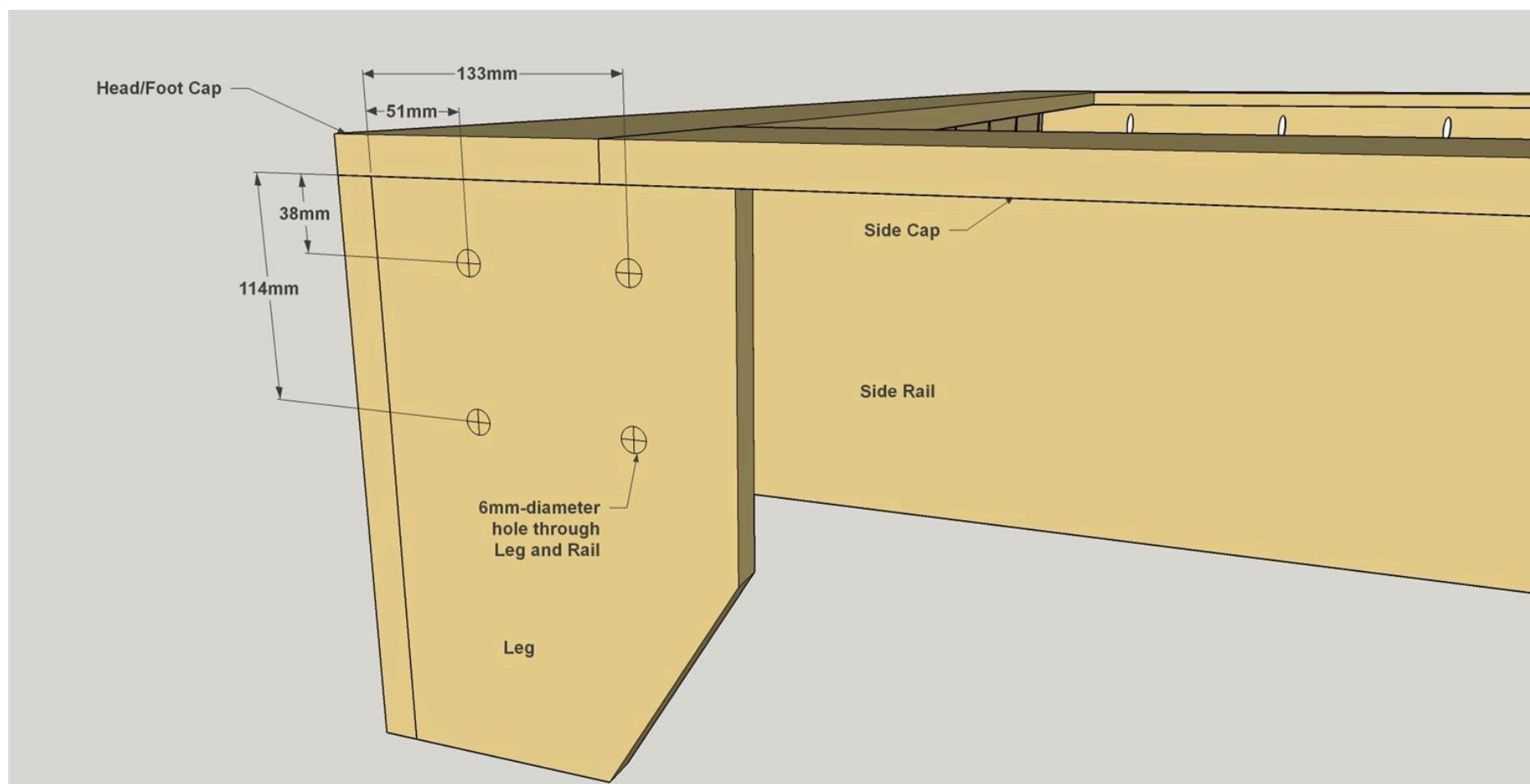
Attach the Rail Cleats to the Side Rails where shown using glue and 50mm flat-head wood screws.



10

Lay Out and Drill Holes

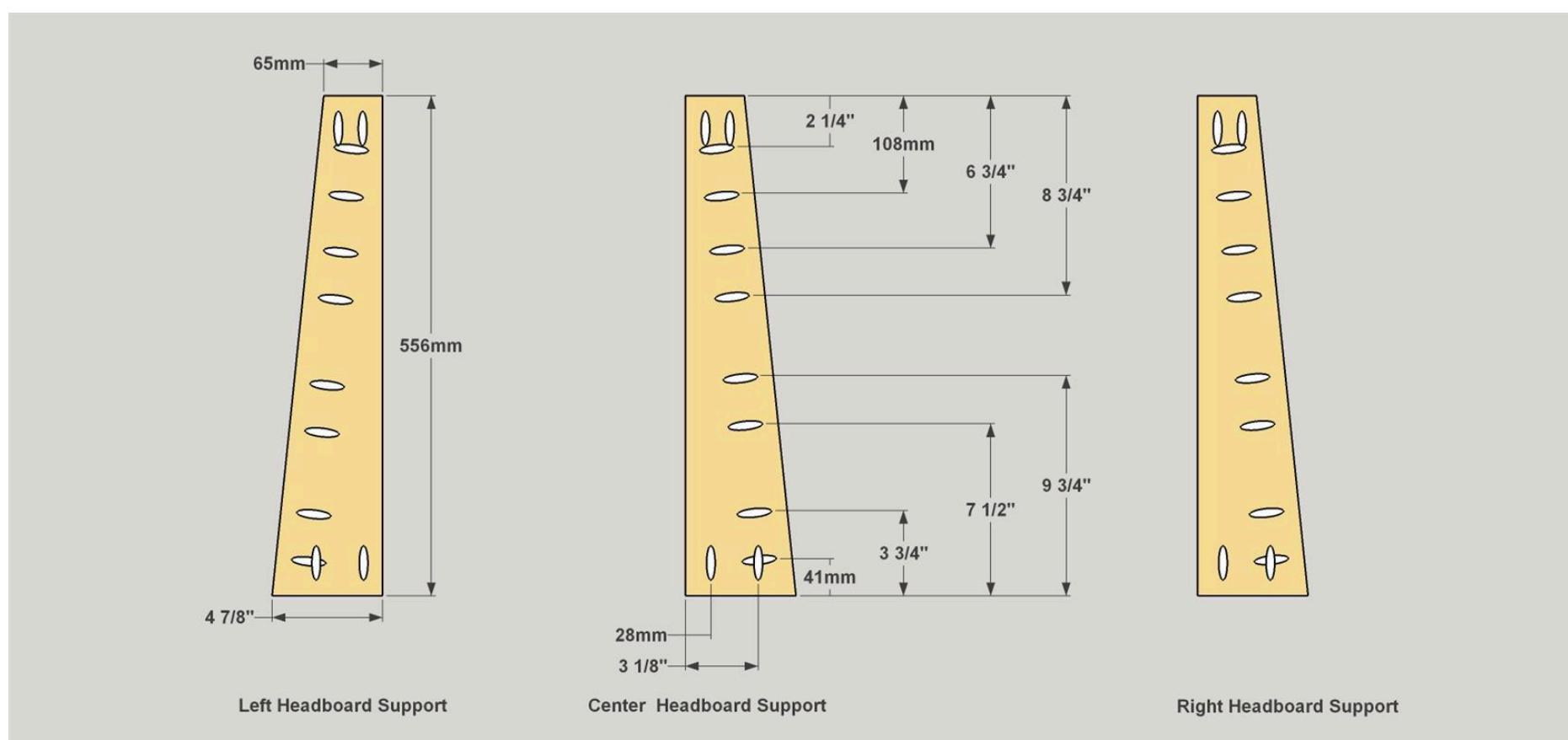
Now you need to drill holes for the connector bolts that will be used to hold all of the leg/rail assemblies together. To do that, first clamp the head rail assembly and the foot rail assemblies to the side rail assemblies. Now lay out four holes, as shown. Then drill the holes all the way through each Leg and Rail using a 6mm drill bit. The connector bolts will pass through these holes. Unclamp the assemblies. Next, you need to enlarge the holes in the Rails to 9mm to accept the connector nuts that the connector screws thread into.



11

Make the Headboard Supports

Cut three Headboard Supports from 19x140mm boards, as shown in the cutting diagram. Then cut the angled shape in each one using a jigsaw. Sand the cut edges smooth. Next, drill pocket holes in the Headboard Supports where shown. Note that you'll need to make two that are "mirror images." That way, the pocket holes will be on the inside faces of the outer Headboard supports, and won't show when everything is assembled.



12

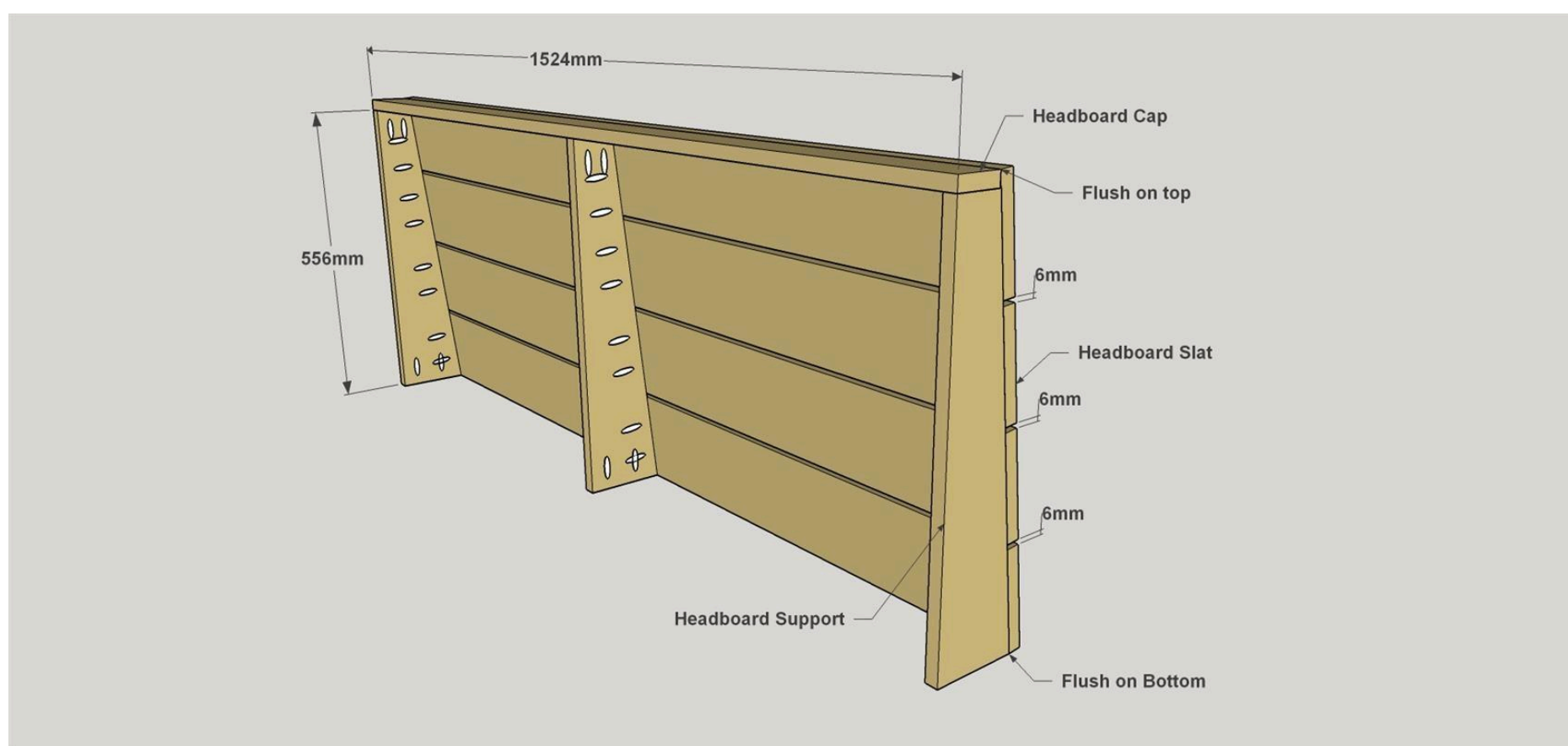
Make Headboard Slats and a Top

Cut four Headboard Slats from 19x140mm boards, as shown in the cutting diagram. Then cut one Headboard Top to length from a 19x64mm board.

13

Assemble the Headboard

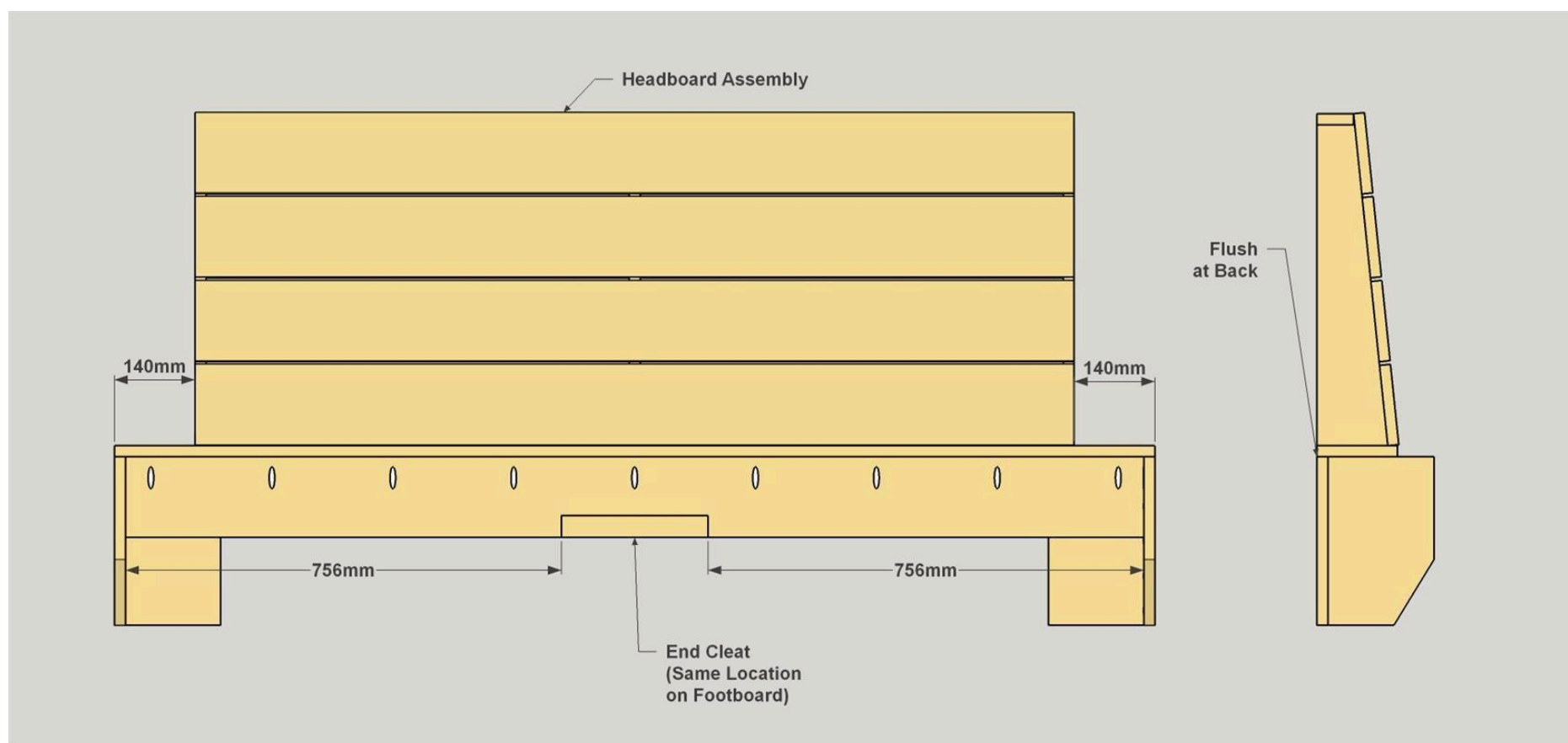
Now you can attach the Headboard Slats and the Headboard Top to the Headboard Supports. Start by attaching the lowest Headboard Slat using 32mm coarse-thread pocket-hole screws. Then attach the Headboard Top. Now add the uppermost Headboard Slat, making sure the edge is flush with the Headboard Top, as shown. Finally, add the two remaining Headboard Slats. Positioning them so there are equal gaps between all of the Slats.



14

Mount the Headboard and End Cleats

Attach the Headboard assembly to the Headboard Cap where shown using 32mm coarse-thread pocket-hole screws. Cut two End Cleats to length from 38x38mm boards, as shown in the cutting diagram. Then attach the End Cleats to the Head Rail and Foot Rail where shown using glue and three evenly-spaced 50mm flat-head wood screws.



15

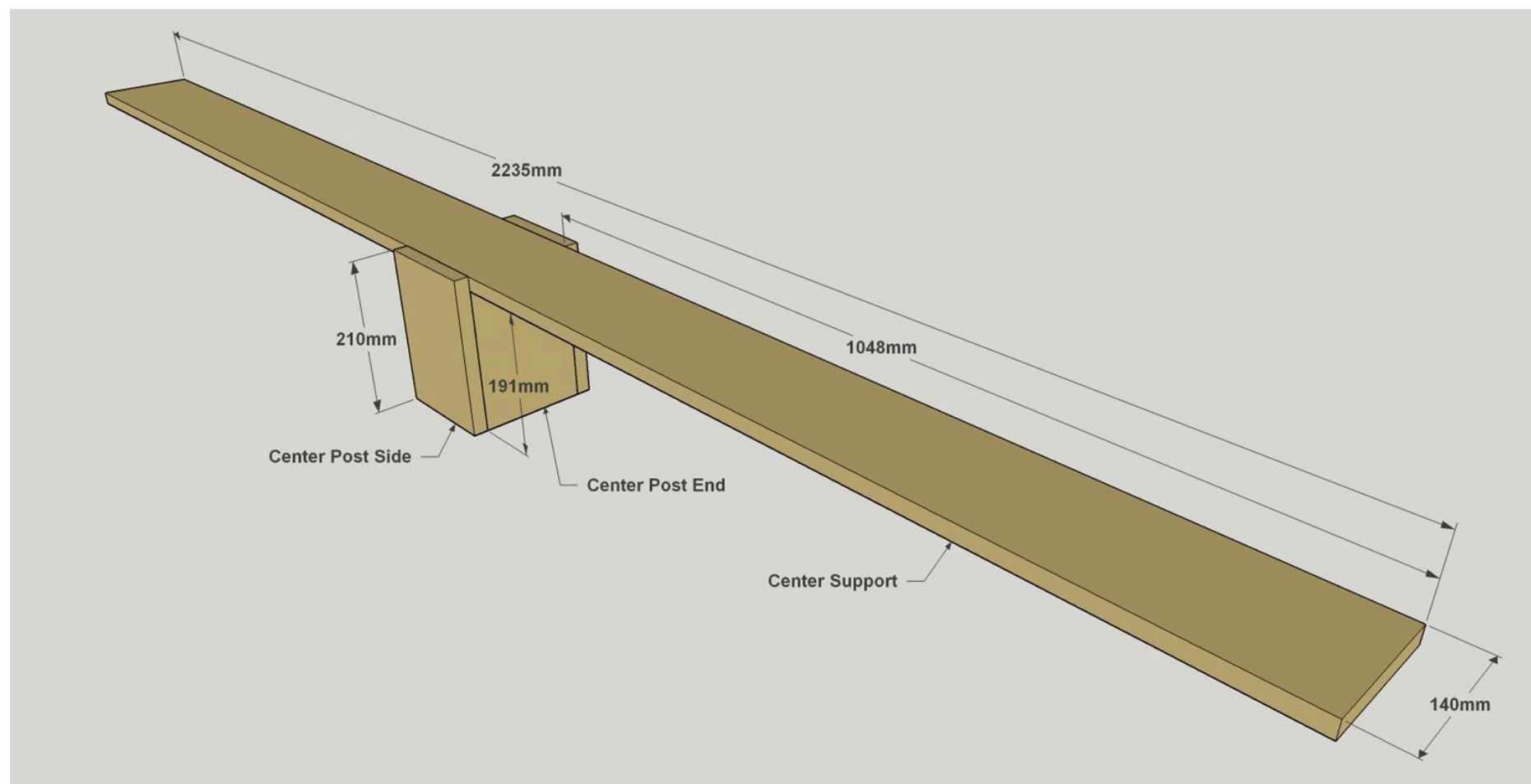
Make the Center Support

Cut one Center Support, two Center Post Sides, and two Center Post Ends from 19 x 140mm boards, as shown in the cutting diagram.

16

Assemble the Center Support

Attach the Center Post Ends and Sides one another, and to the Center Support, as shown, using 32mm flat-head wood screws.



17

Assemble the Bed

With 16 connector nuts and bolts, attach the rail assemblies to the headboard and footboard assemblies. Set the Center Support assembly in place and screw the ends to the End Cleats using two 32mm flat-head wood screws at each end. With that done, you can give the bed a final sanding, and paint or stain it to your tastes.

18

Add the Slats

Cut eight Slats to length from 19x140mm boards, as shown in the cutting diagram. For these, you can use lower-grade boards. Once you have the platform bed set up where you want it, lay the Slats on the Rail Cleats and Center Support, spacing them evenly. The Slats don't have to be screwed in place. The weight of your mattress will hold them in position. Once you set your mattress in place, your bed is ready.

