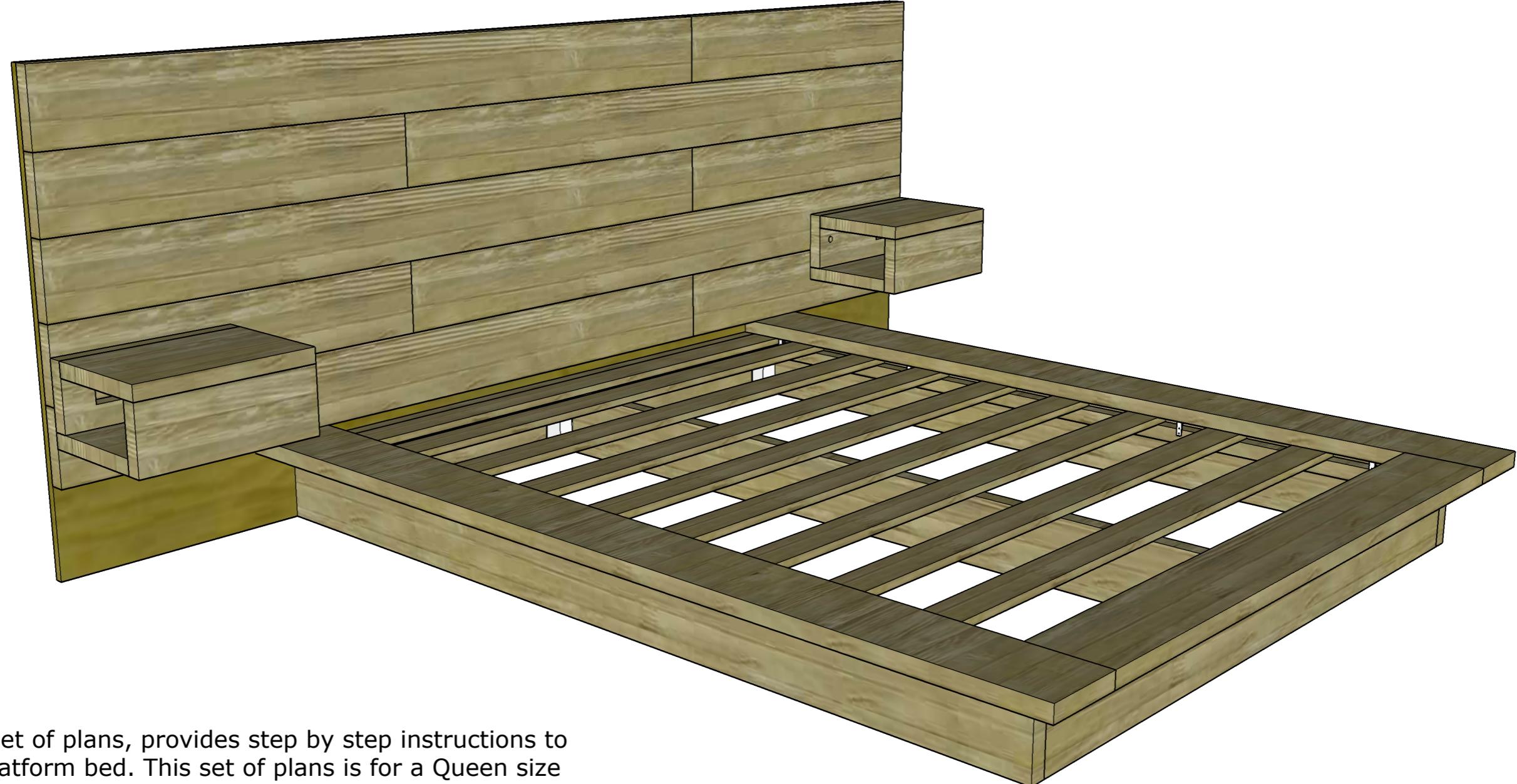


DIY Platform Bed With Floating Night Stands

Queen



Note: This set of plans, provides step by step instructions to make this platform bed. This set of plans is for a Queen size mattress. For King mattress, check out the plans for the King.

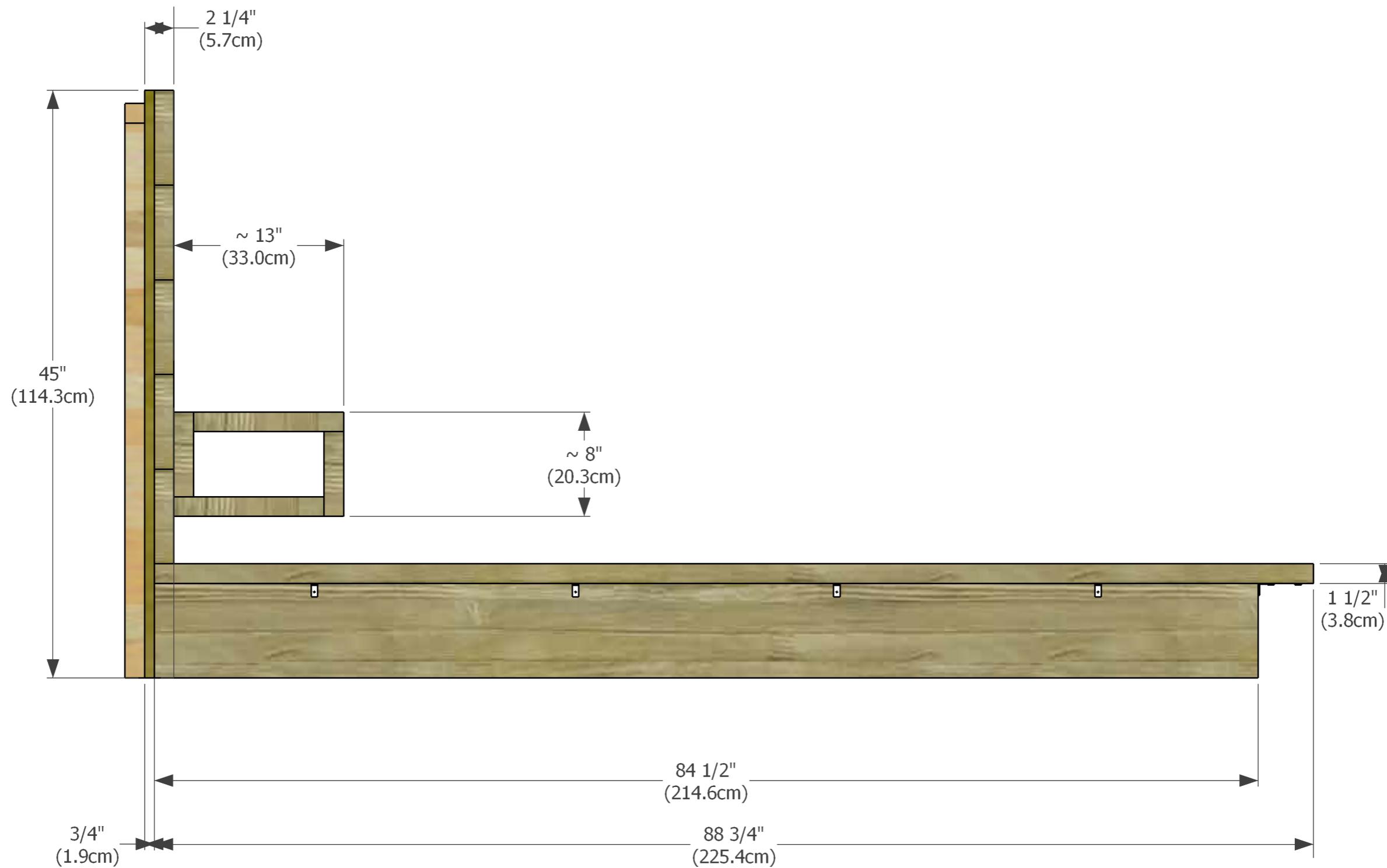
Note: Wood may not be actual size listed below. For example (2 by 4 is actual 1.5in by 3.5in)

Materials	Links
Wood	
(16) 2 by 8 Lumber (headboard, bed frame and bed trim)	https://goo.gl/95nXPu
(1) 2 by 12 Lumber (top and bottom night stand)	https://goo.gl/NAmx3O
(1) Sheet or 3/4in (19.05mm) plywood a small piece	
(2) Sheet of 1/4in (6.35mm) plywood	
(10) 1 by 4 (25.4mm by 101.6mm)	https://goo.gl/PcbUEn
(4) 2 by 4 (50.8mm by 101.6mm) Lumber	https://goo.gl/Eo95vq
Other accessories	
(4 packs) Corner brace (outside of the bed trim and inside bed foot)	http://amzn.to/2oAkt07
(2 packs) Corner brace (inside the bed trim)	http://amzn.to/2pFeal6
(1 packs) Mending plate (bed foot frame)	http://amzn.to/2ojAFB6
L- brackets for the bed frame	http://amzn.to/2ppPJzg
1/4in – 20 inserts (to mount the night stand)	http://amzn.to/2pFCmKx
1/4in round head Philips 3in long	
1/4in Washer	
#10 Screws (2 in)	
#8 Screws (1.5in)	
Finish	
Danish oil	http://amzn.to/2nR3QQN
Wipe on poly	http://amzn.to/2oAkAZU
Foam roller	https://goo.gl/mHwXqc
Black paint	https://goo.gl/mHwXqc
LED, Electrical, and wire	
Puck Lights	http://amzn.to/2oAsGSI
Led Strip	http://amzn.to/2nRlkwr
Round switch	http://amzn.to/2p7FWB1
(2) Outlet with USB ports	http://amzn.to/2ojCNZX
(2) Outlet cover	http://amzn.to/2oMFJlx
(2) Workbox [junction box]	http://amzn.to/2nRha7Y
Electrical wire(for the outlet)	http://amzn.to/2ojBgTC
Receptacle Tester	http://amzn.to/2oMLcJ2
22 gauge wire (for the puck light switch)	http://amzn.to/2oDjq1g
Extension cord	http://amzn.to/2oMKiw3

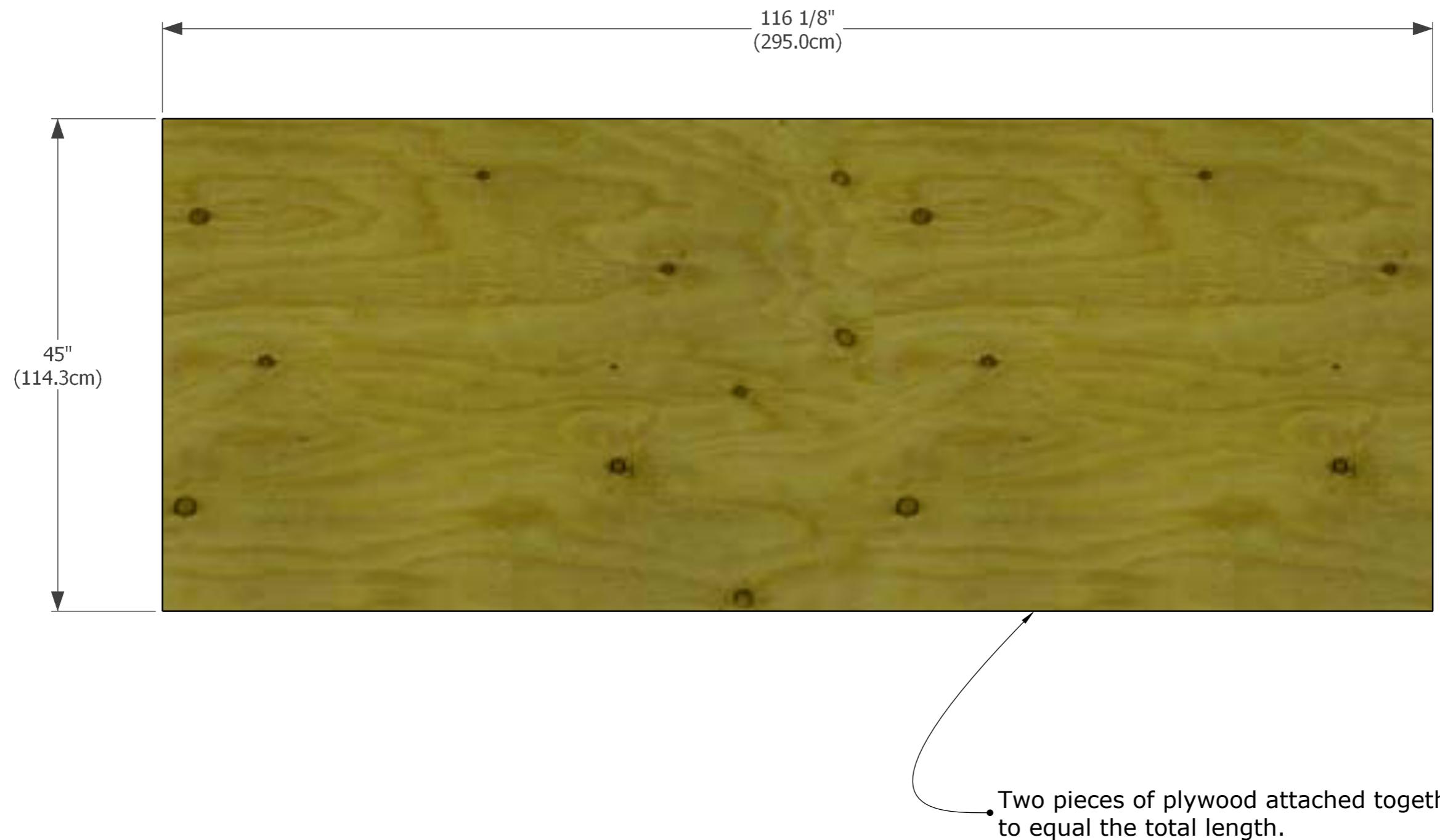
Front View Dimensions



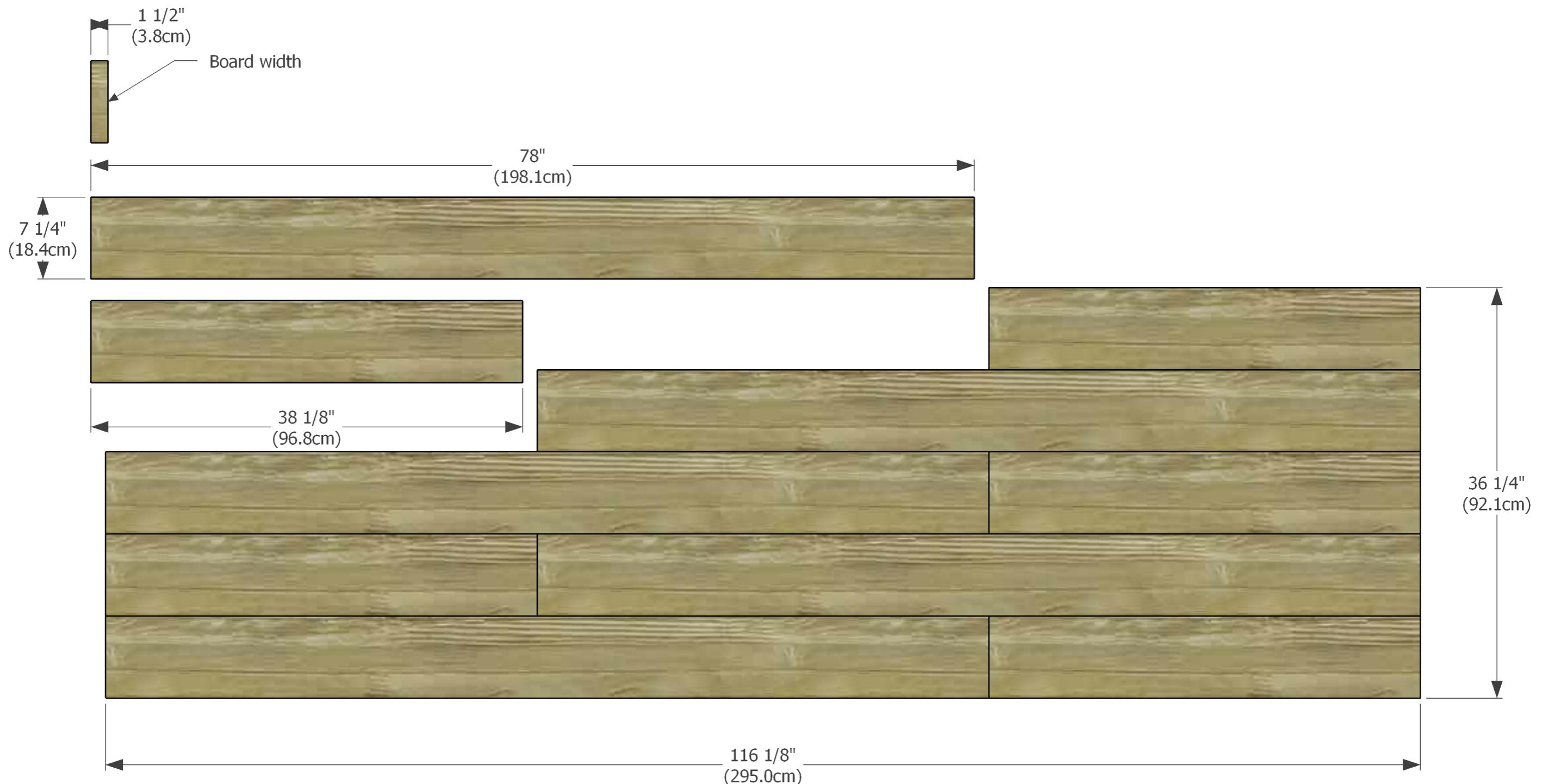
Side View Dimensions



Plywood Backing Dimensions

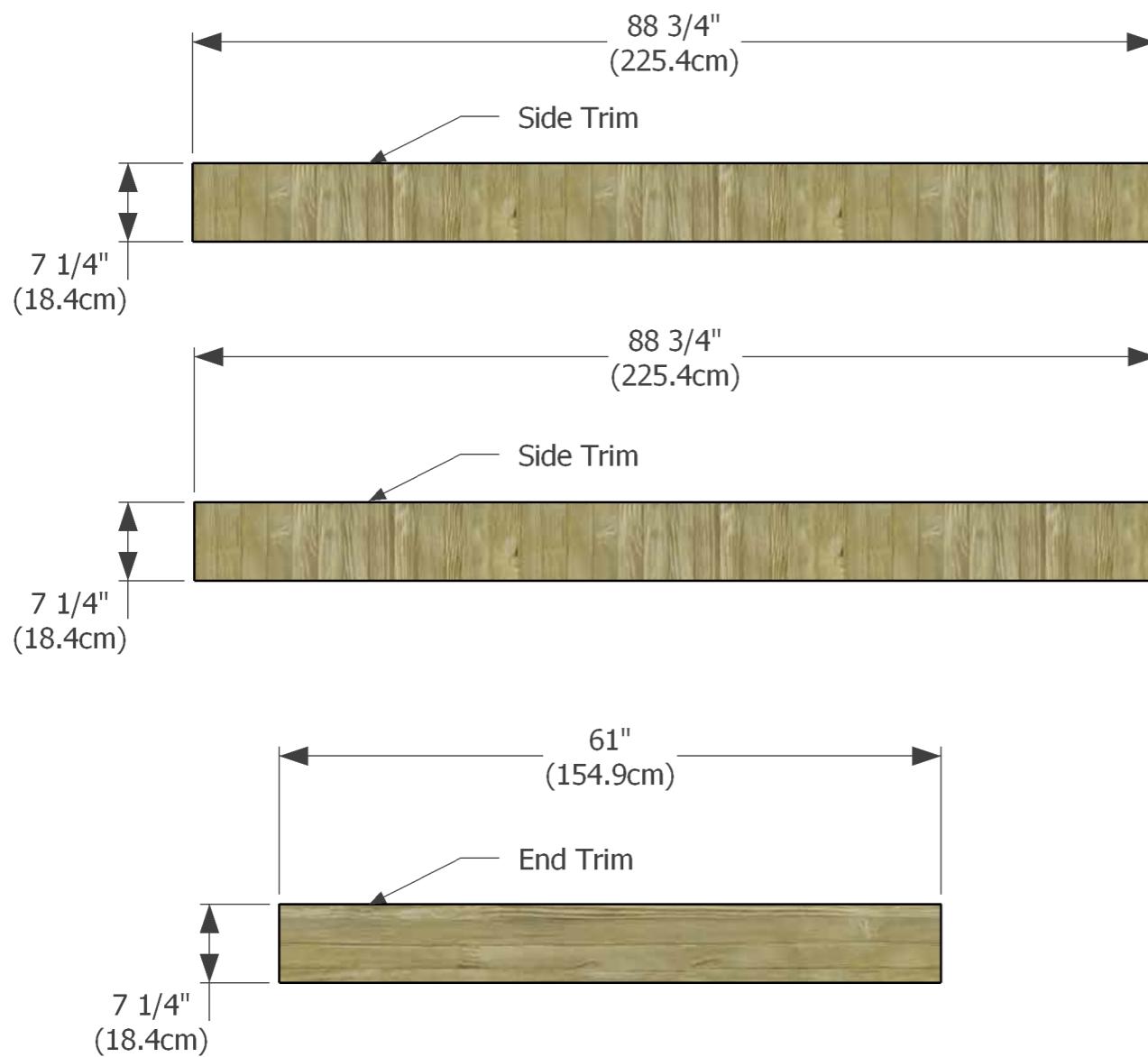


Headboard Lumber Dimensions

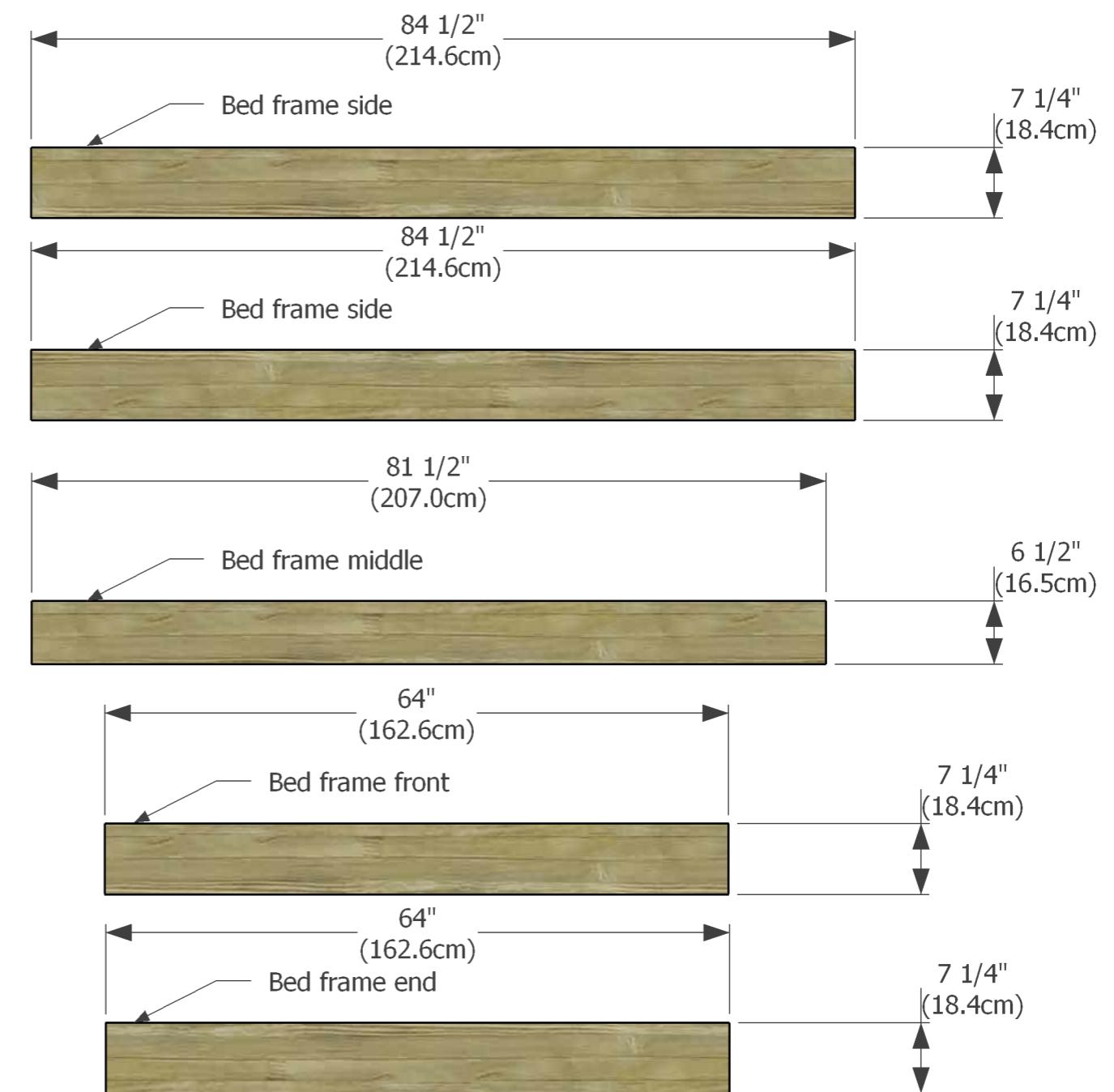


Bed Frame & Top Trim Dimensions

Top Trim

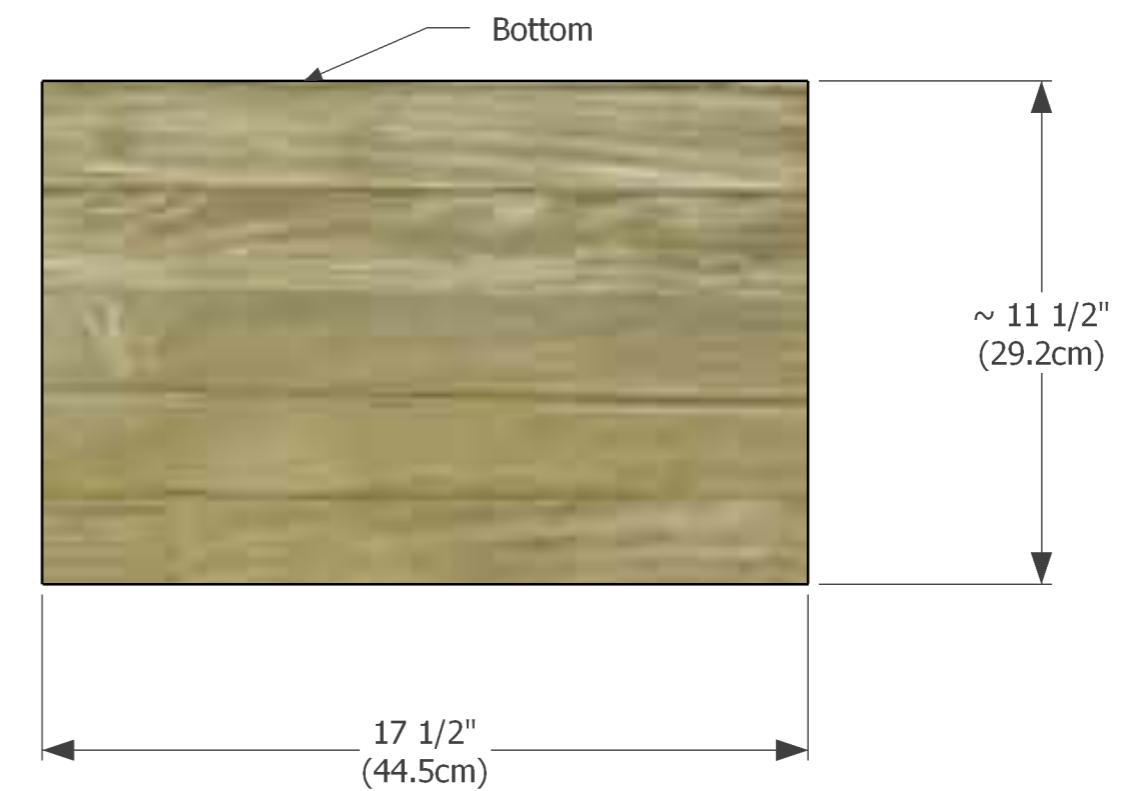
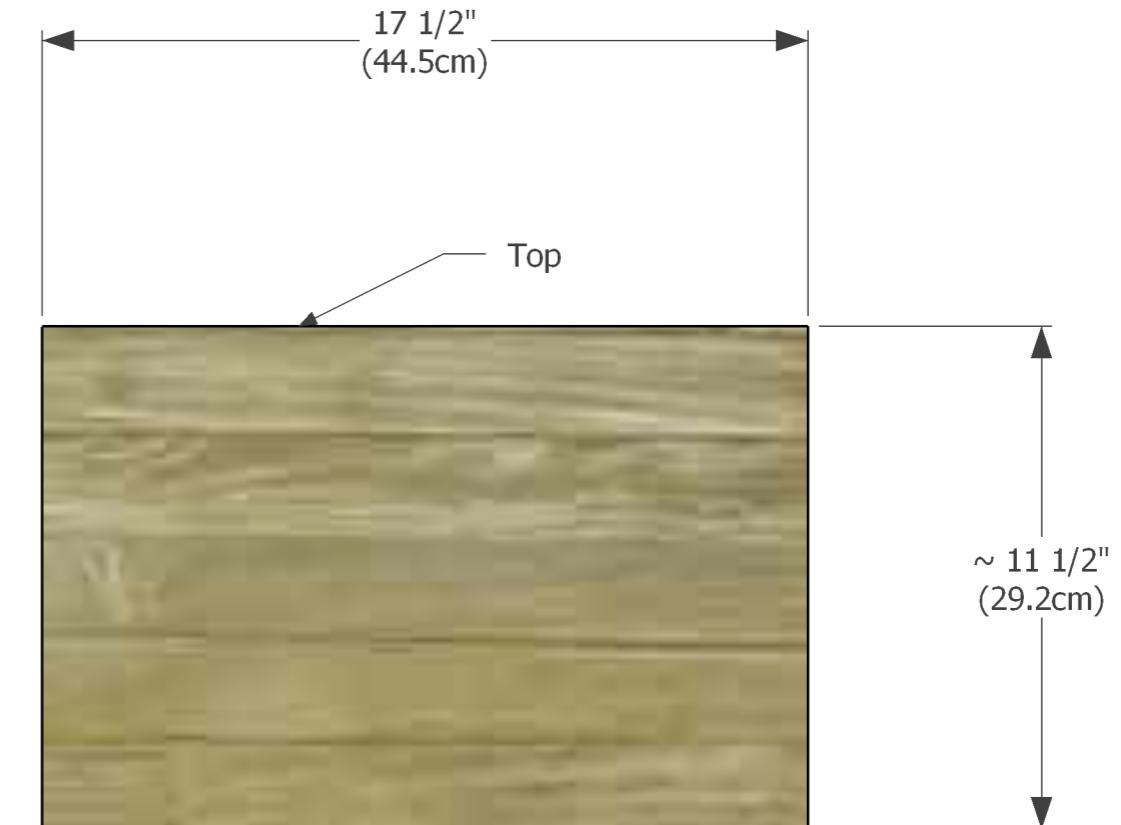
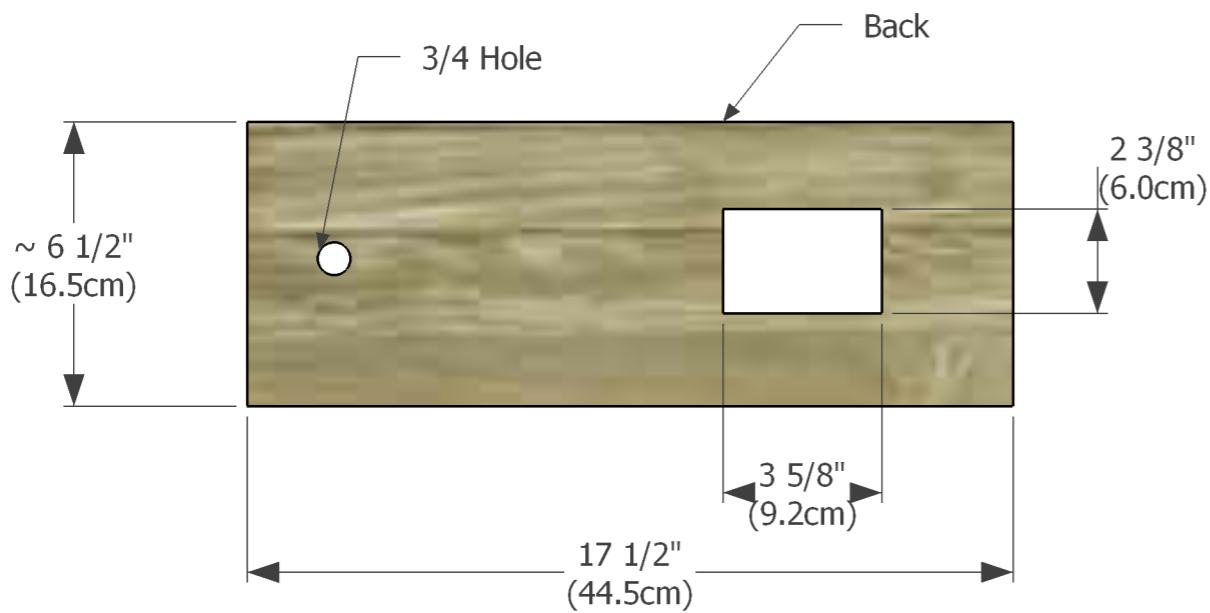
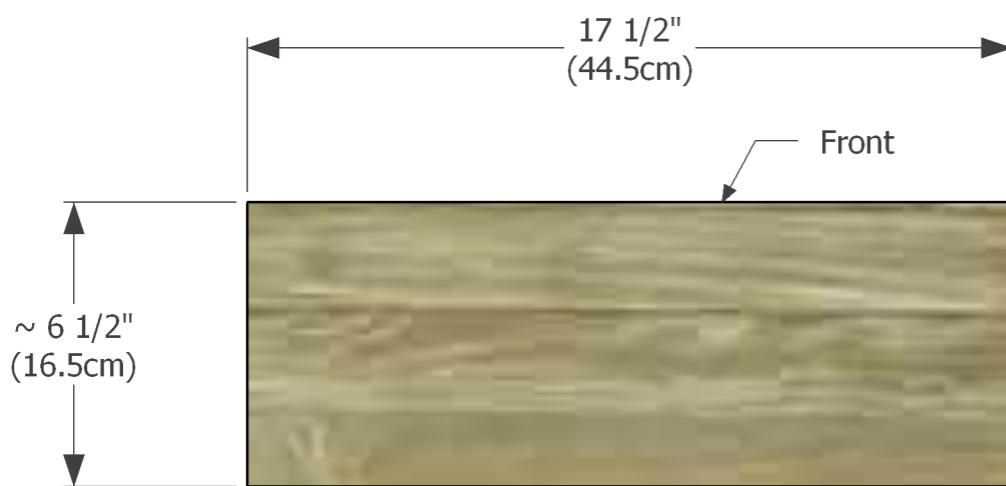


Frame



Night Stand Dimensions

Note: Duplicate this twice. This dimension is for one "nightstand".

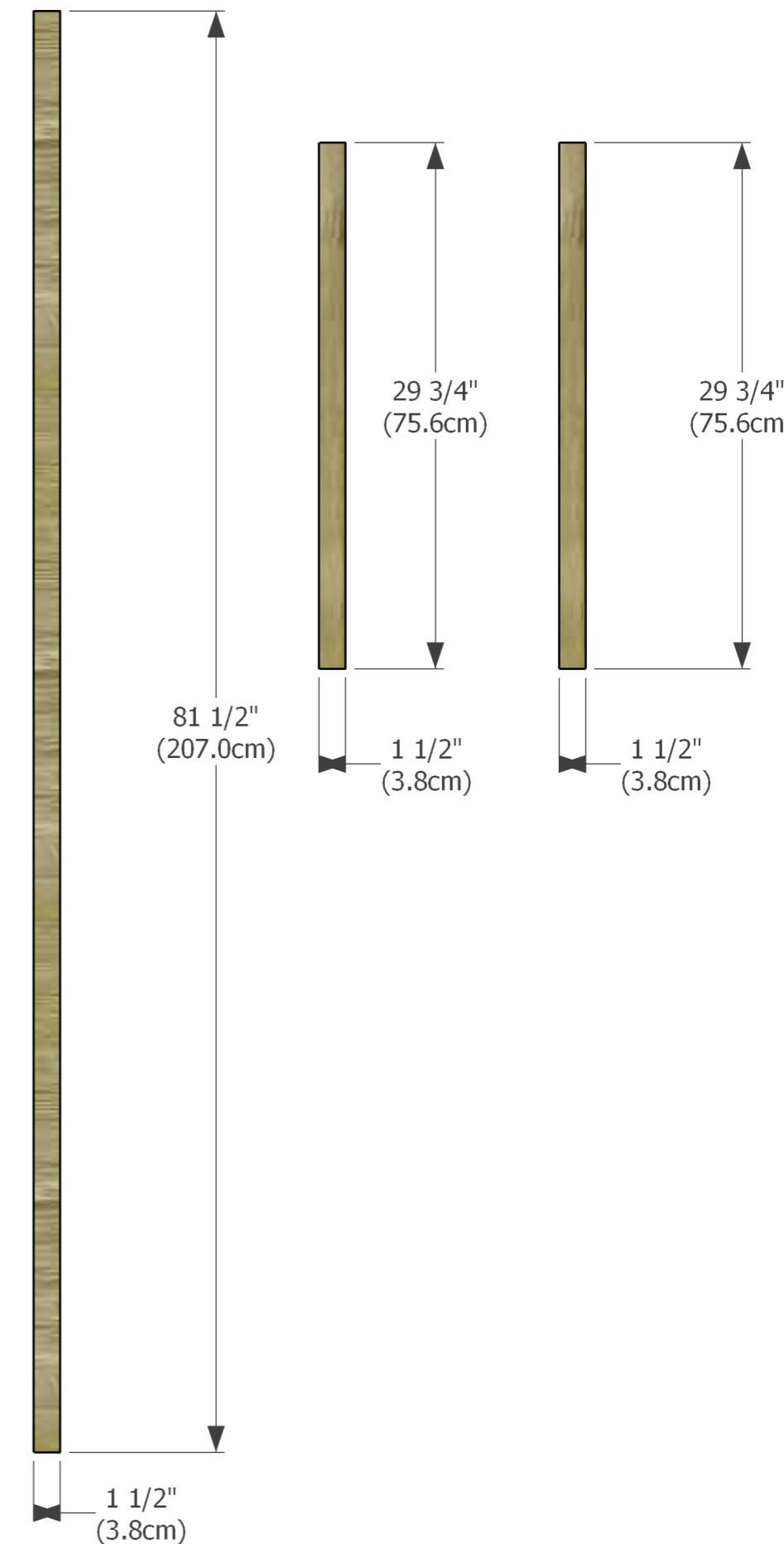
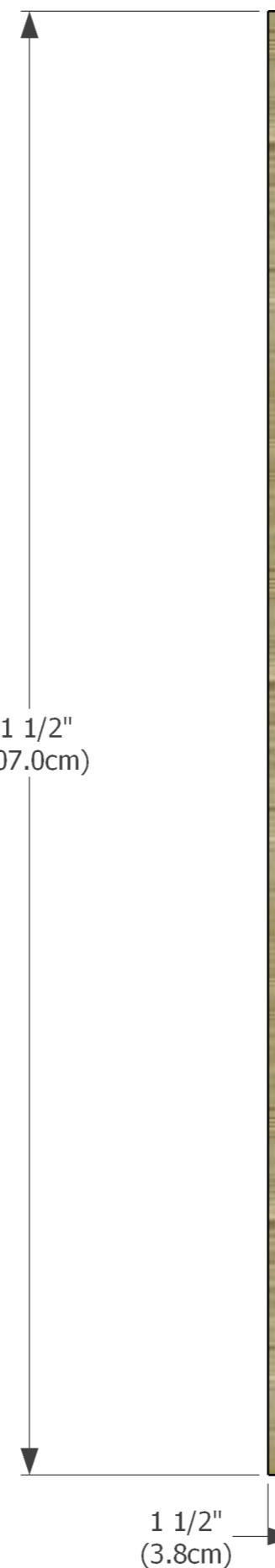


Bed Support Dimensions

Note: These pieces are the used to support the bed slats.

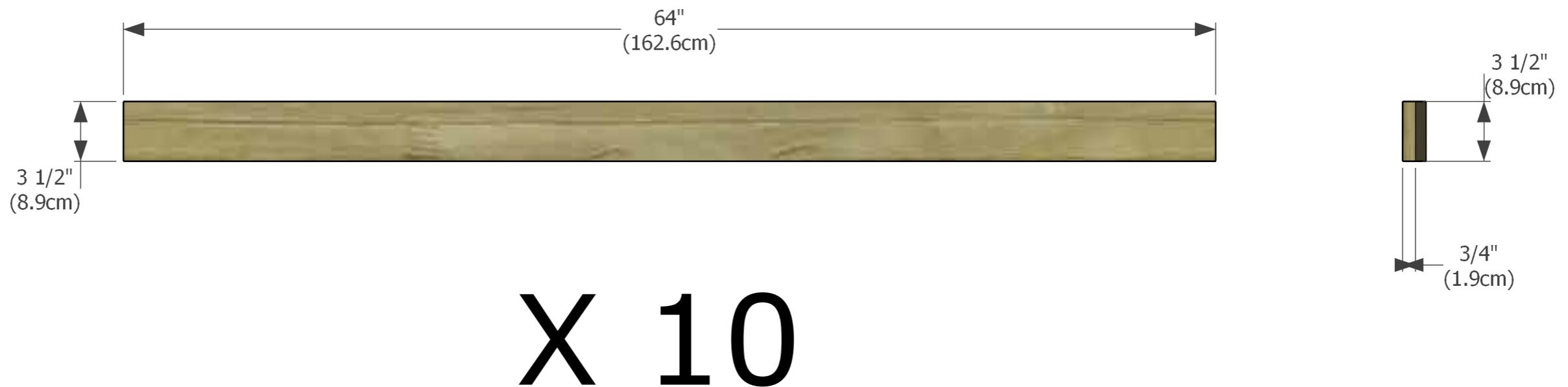


Depending on the length of screws you use, you may need to drill out the holes. Removing enough material. 2-inch screws were used in this area.



Bed Slats Dimensions

Note: Use 10 slats.

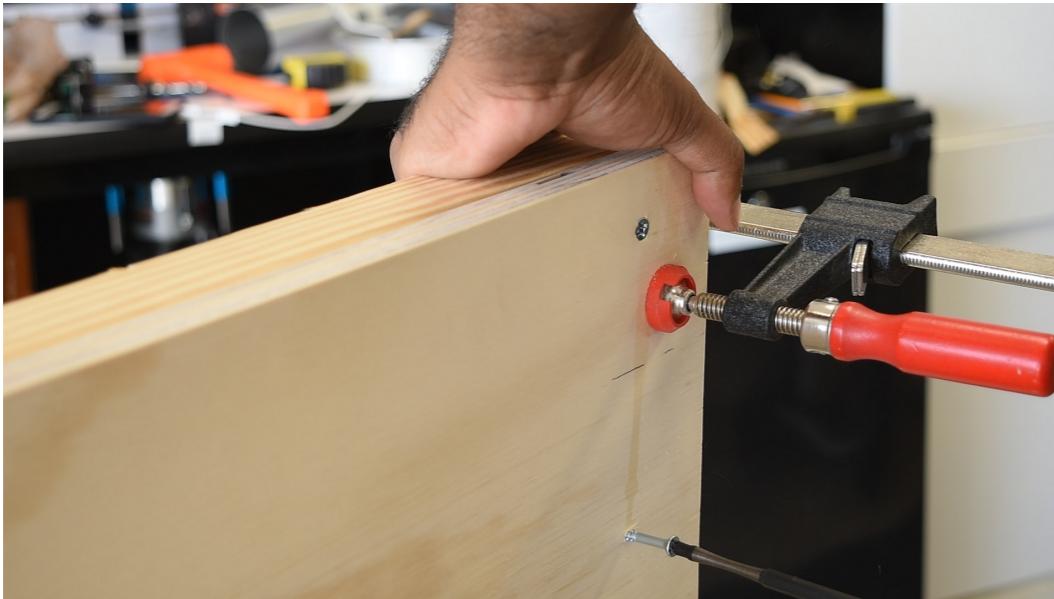


Step 1: Secure the plywood backing. Making sure you have access to both front and back.



Step 2:

It's best to have assistance during this process. If this is not possible use clamps to hold each lumber. Add screws from the back of the headboard. To prevent the screw from exiting out of the headboard, use screw less than 1.5inches. #8x 1-1/5in screws were used for this section in the build.



Use two screws, per connection point. For each lumber, the connection point was placed approximately 24in apart.



Continue the same process throughout the entirety of the headboard.



Step 3: Attach the strip of wood to the back of the headboard.



Attach the LED support strips to the back of the headboard.

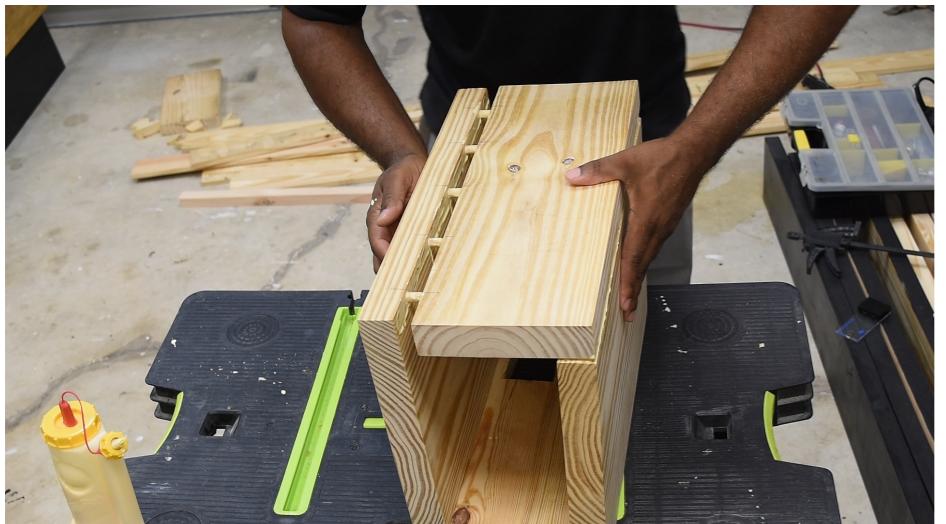


Step 4:

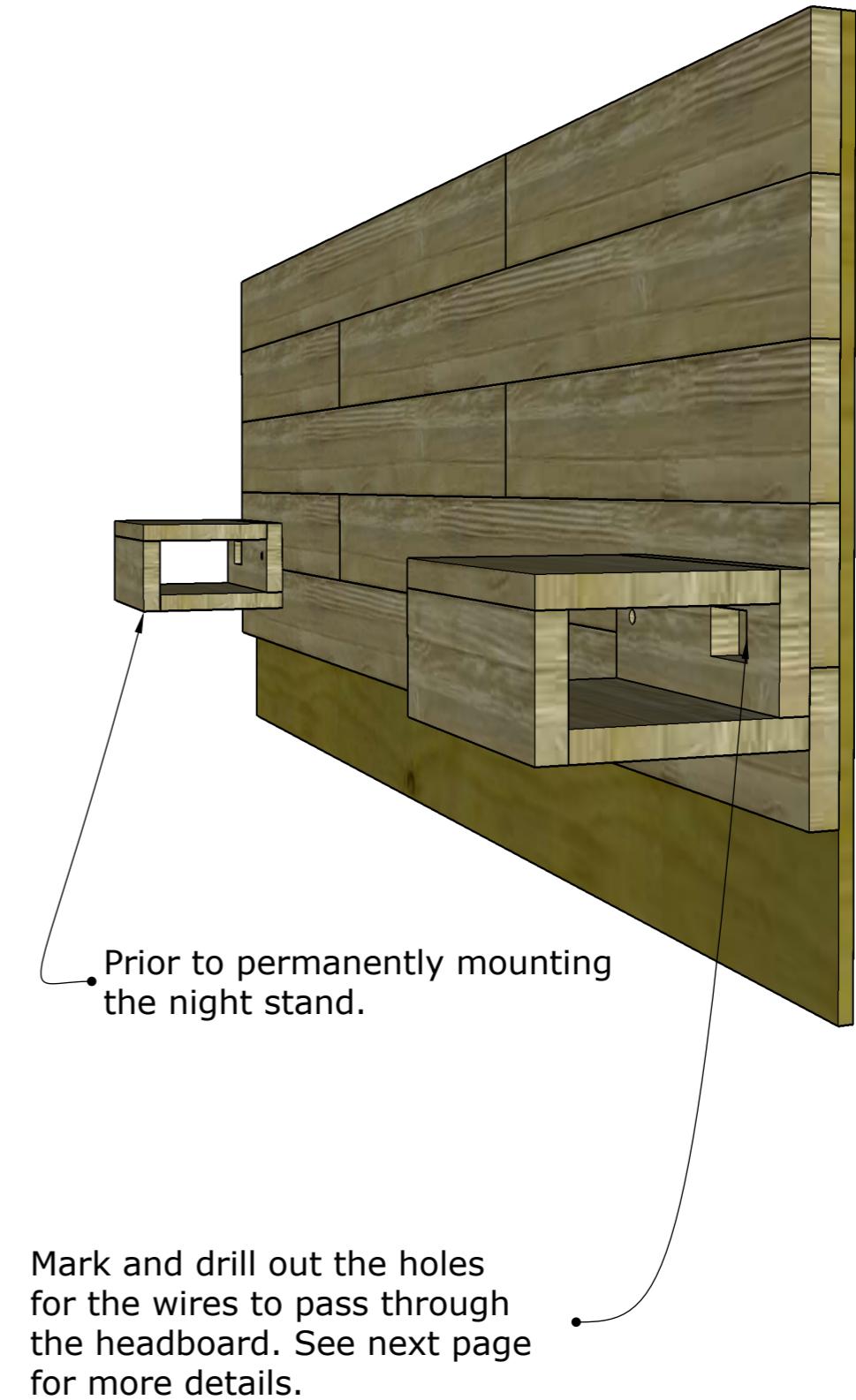
Attaching the night stand.



Assemble the nightstand by using dowels. This build used 3/8in dowels.

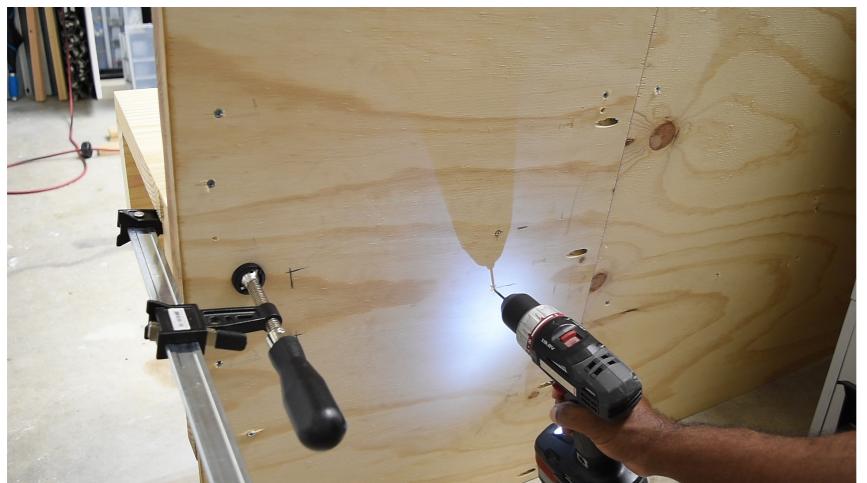


Use a dowel jig "Rockler woodworking and hardware" makes a nice set. After holes are drilled use wood glue and clamps to join. Allow enough time for the glue to dry.



Prior to permanently mounting the night stand.

Mark and drill out the holes for the wires to pass through the headboard. See next page for more details.



Drill a pilot hole through the headboard. Just to mark the back of the nightstand.

Now enlarge each hole to pass a 1/4in bolt though.

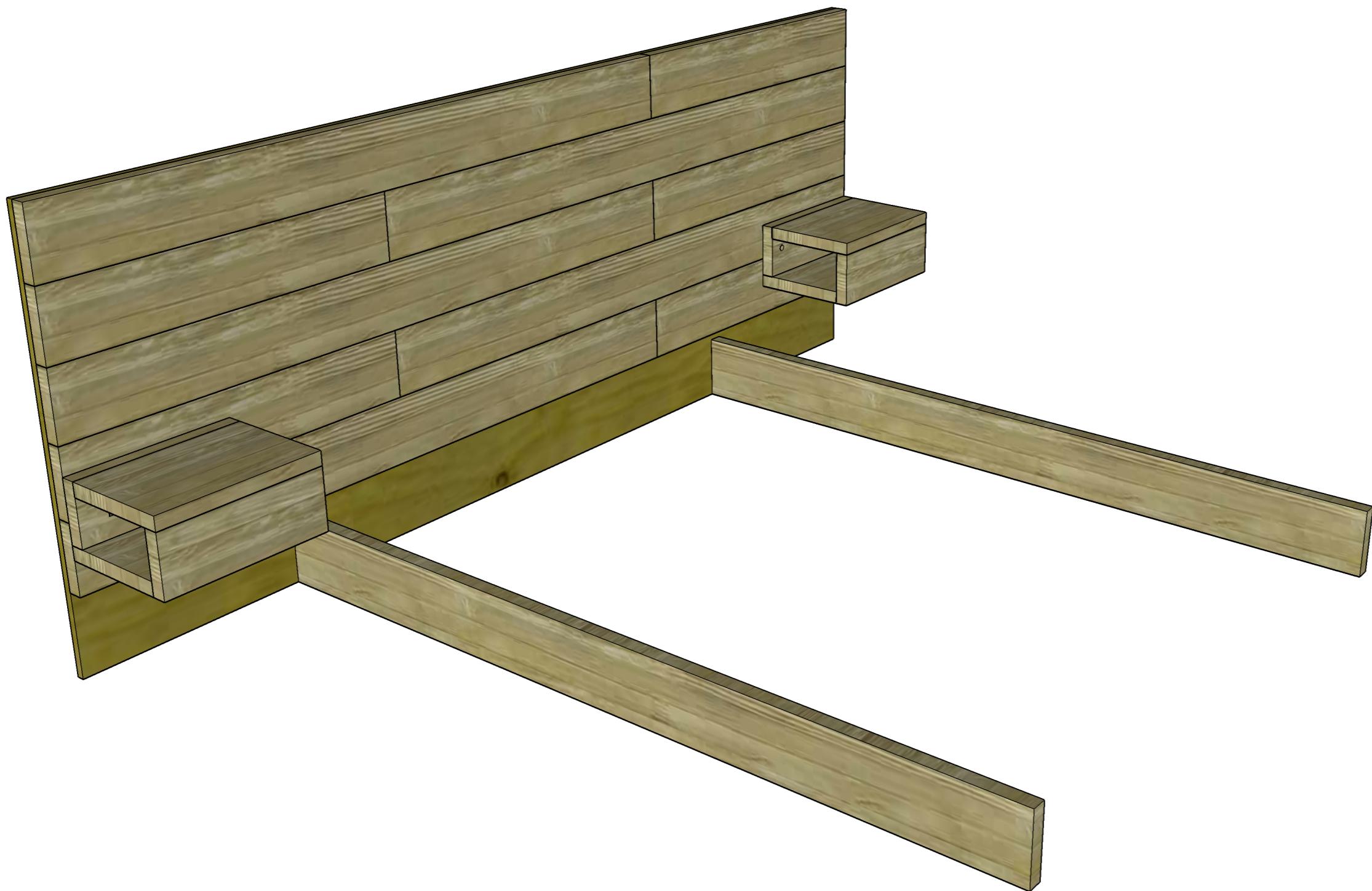


• Threaded insert



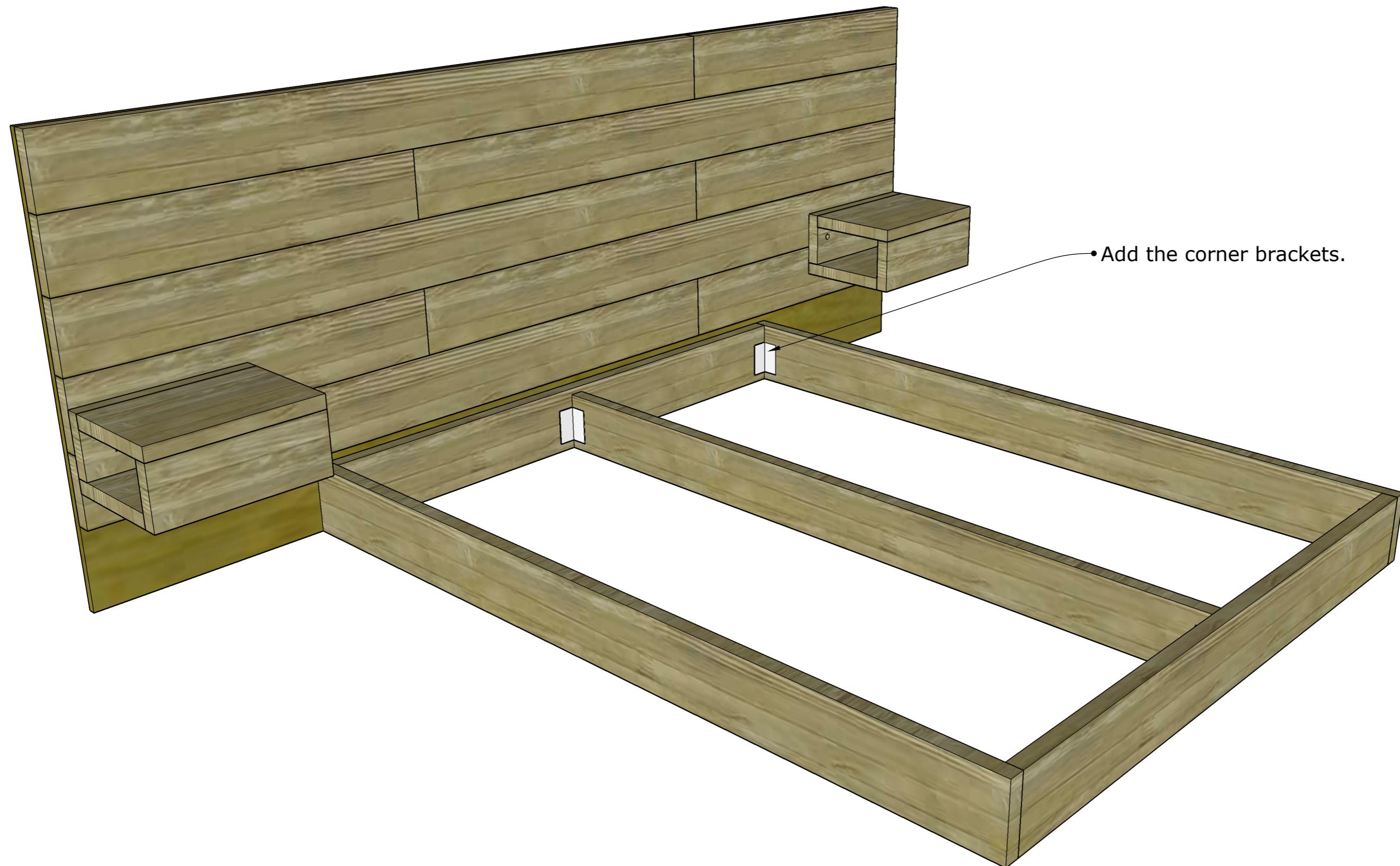
To mount the night stand threaded insert should be used here to provide maximum strength. Use four per night stand.

Step 5: Now to assemble the bed frame. Start by setting up sides of the frame.



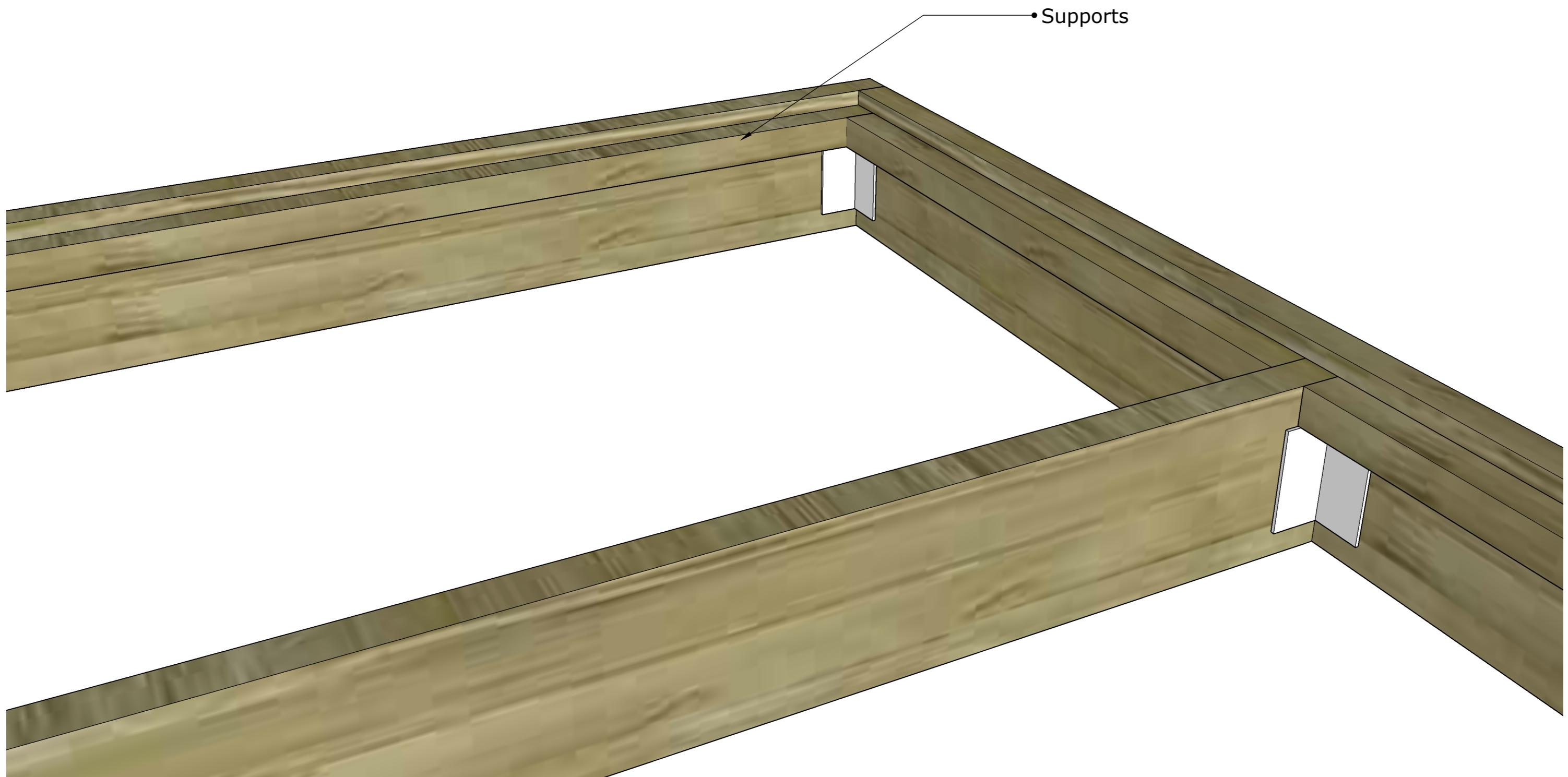
Step 6:

Be sure to check for squaring prior to installing the brackets. Add the corner brackets to all corners.

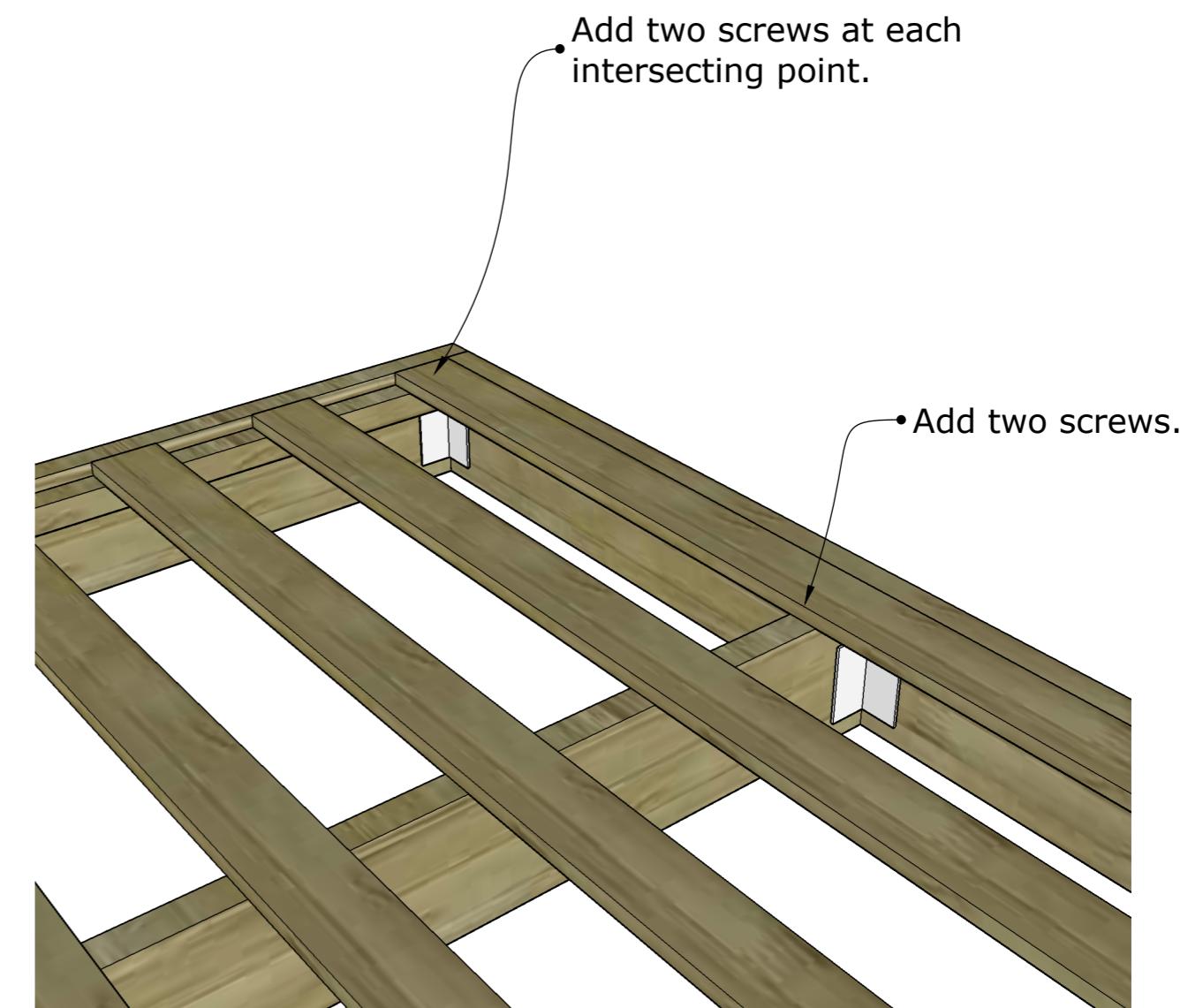
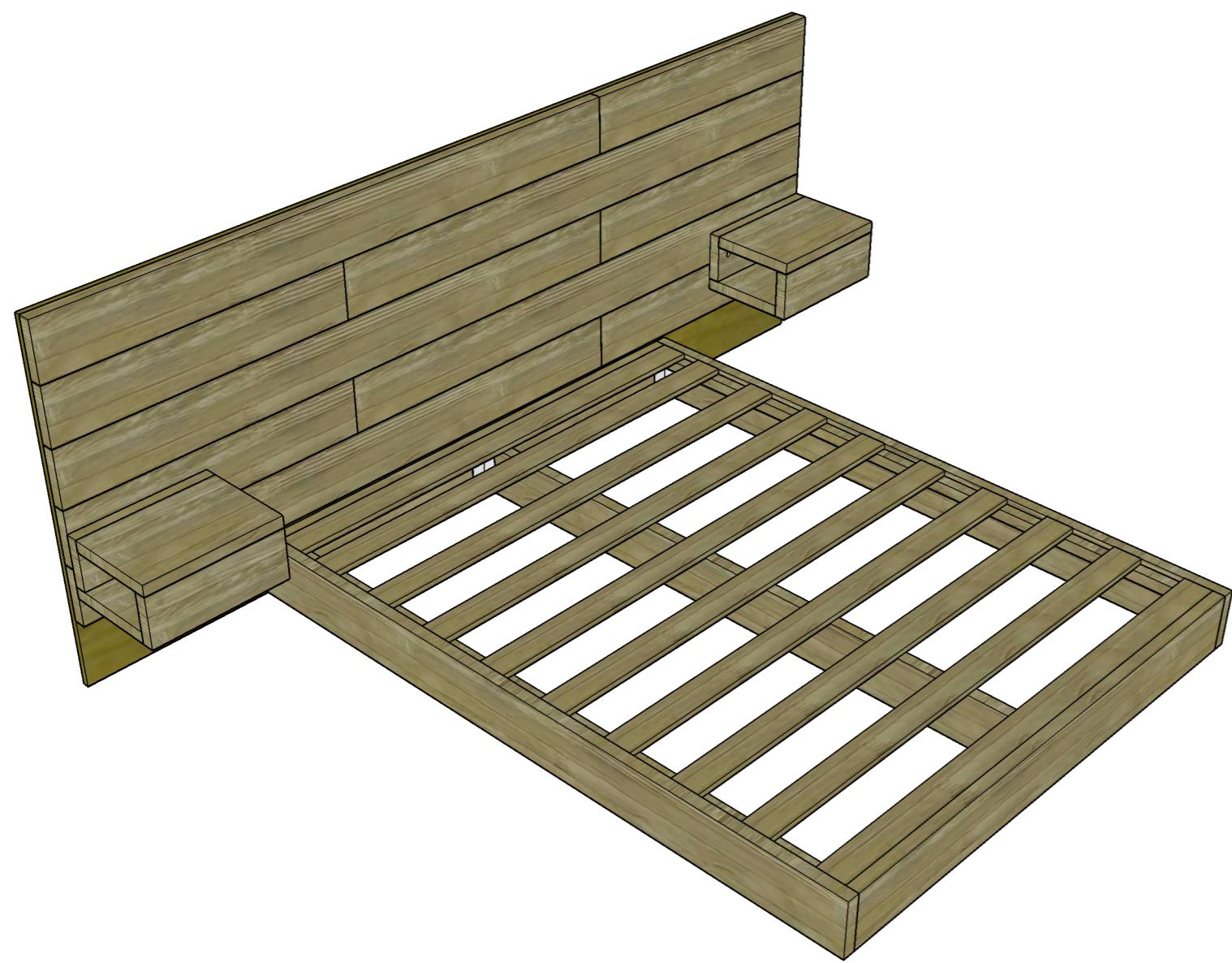


• Add the corner brackets.

Step 7: Install the supports. Place the supports 3/4" below the top of the frame. Or the thickness of your slats.



Step 8: Add the slats and secure with screw.

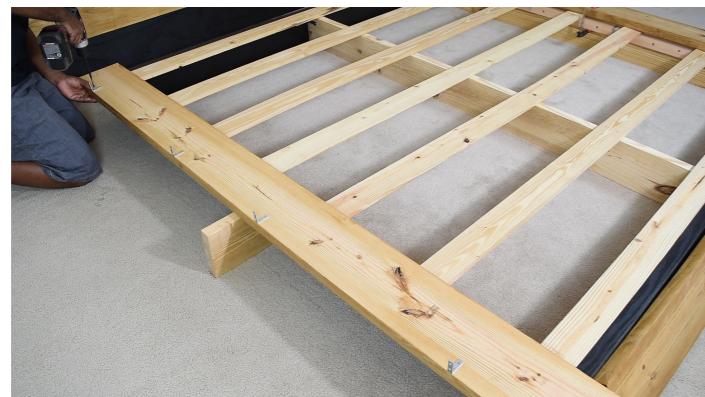


Step 9:

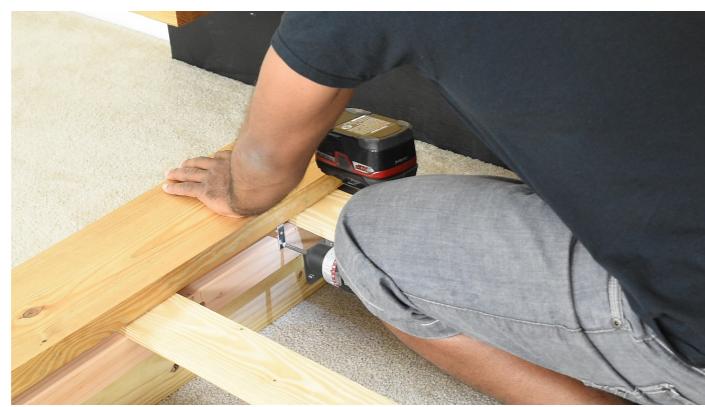
Attached the corner brackets to the inside of the trim. This build took (4) on the inside spaced appropriately. Next, install the bed trim. Secure the bracket on the inside. Use two mending plates where the sides meet the end.



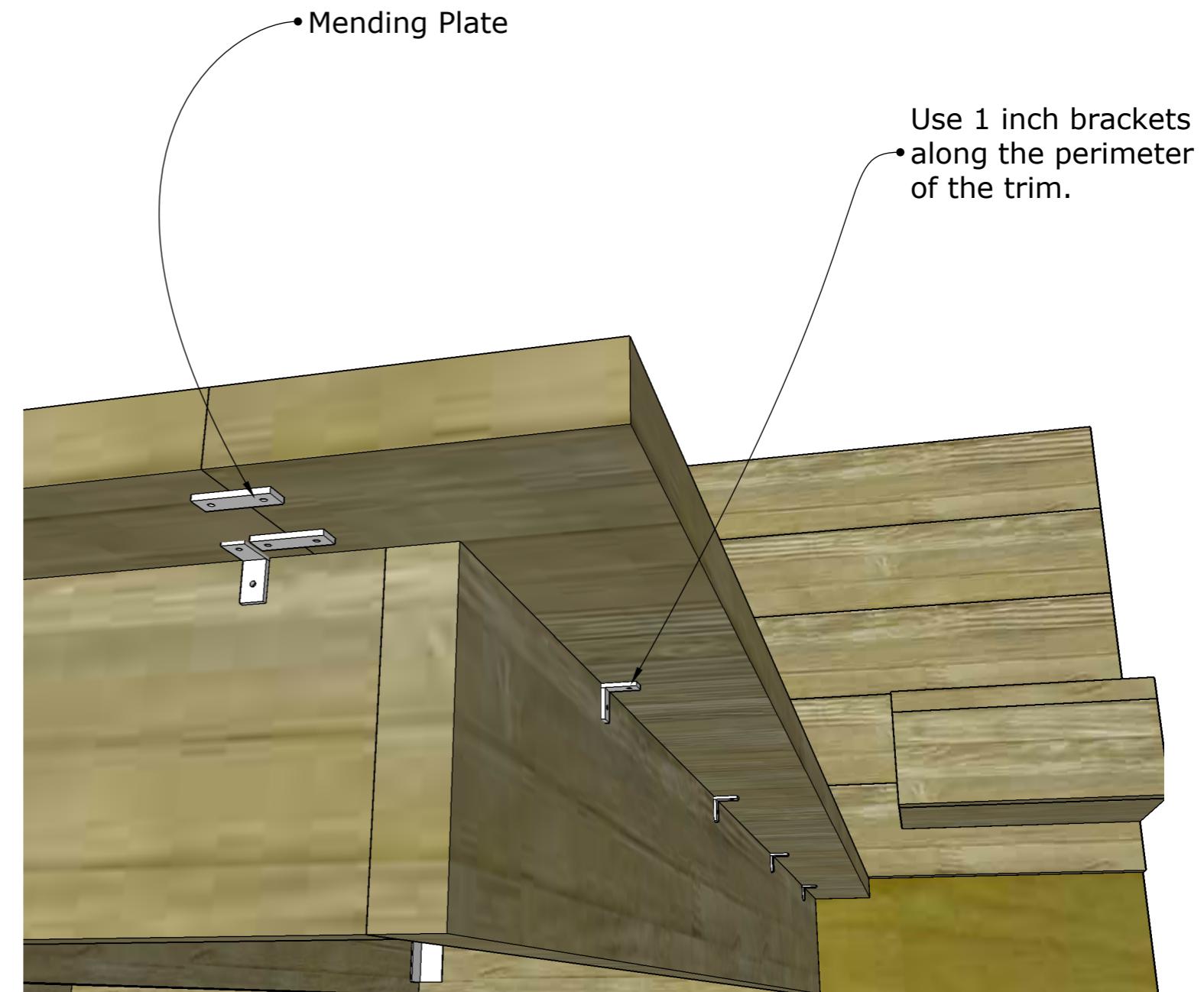
Attach the corner brackets.



Attach 4 per side.



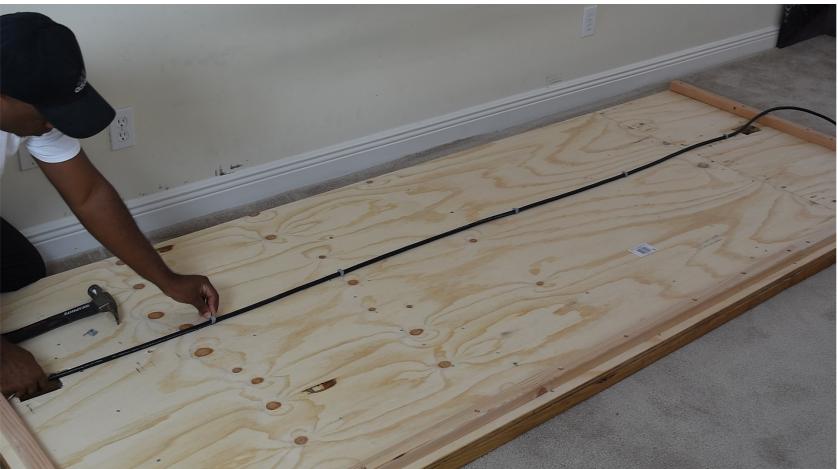
Secure the bracket from the inside.



Step 10: Adding electrical and LEDs.



A. Drill a hole at an angle for the puck light cable.



B. Secure all cables to the back of the headboard.



C. Install the puck lights.



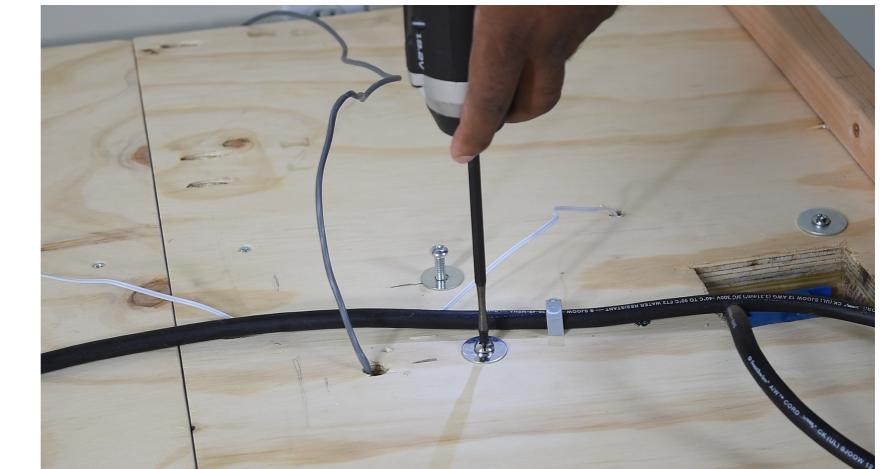
D. Connect the on/off switch. Use push on connectors. The wiring diagram will be on the next page.



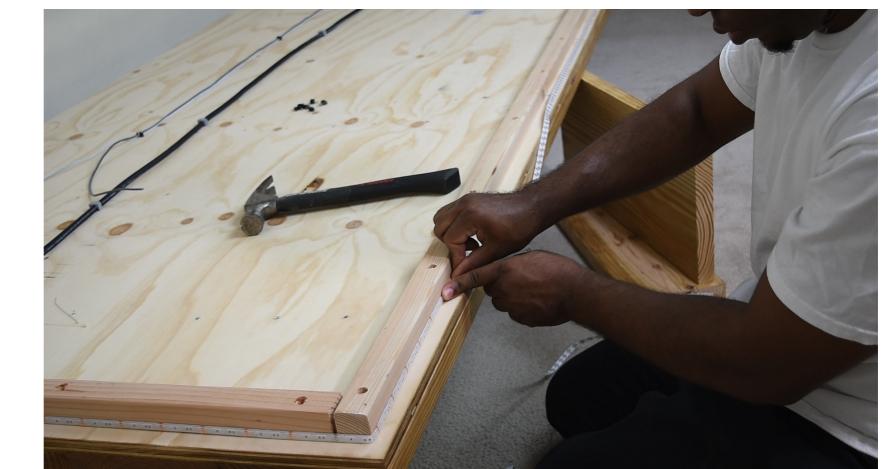
E. Push the connector in the hole.



F. After everything is in place, your setup should look similar. Electrical outlets will be covered a few pages over.



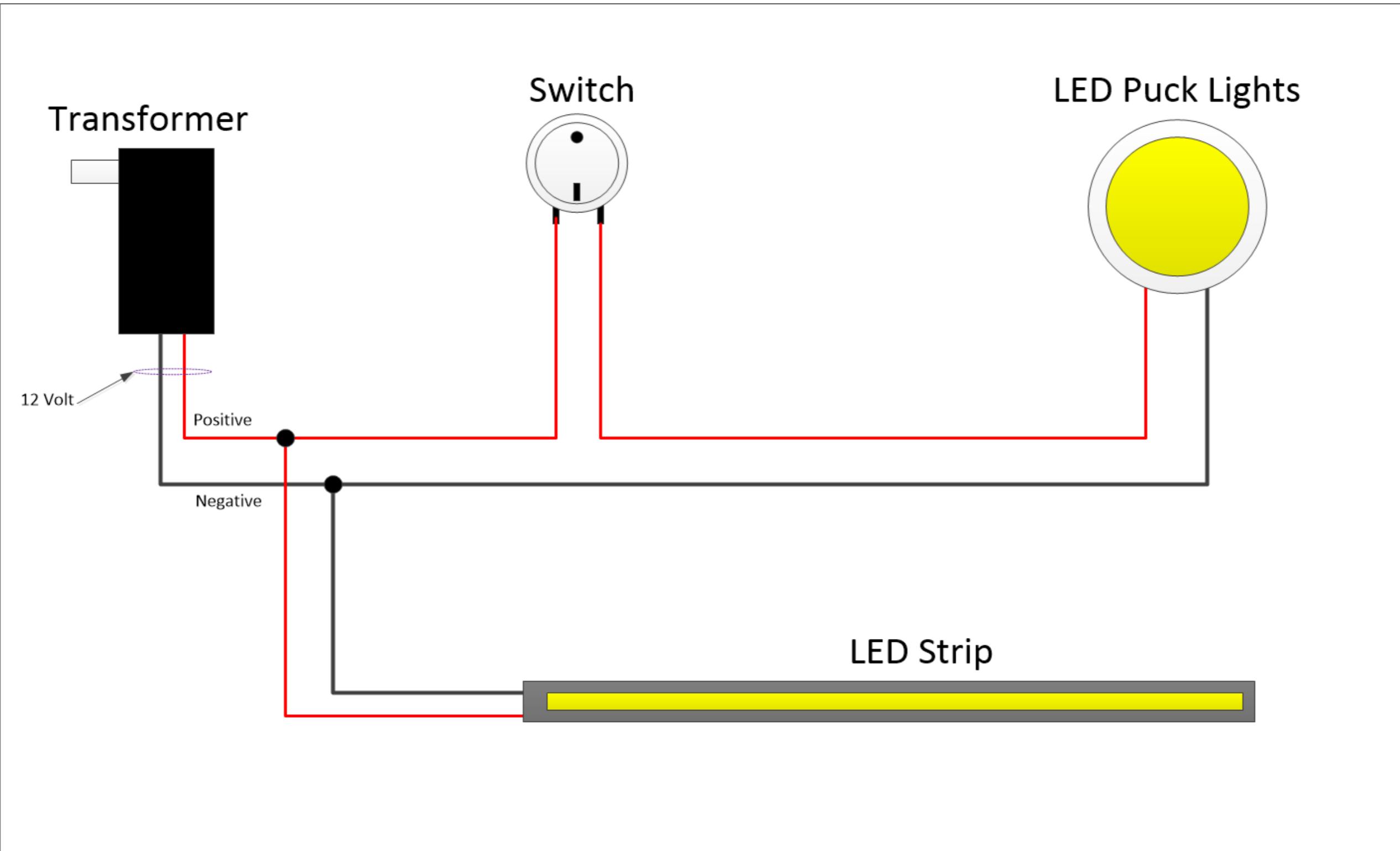
G. Now attach the nightstand. 3 inch (1/4") bolts and spacers were used at this location.



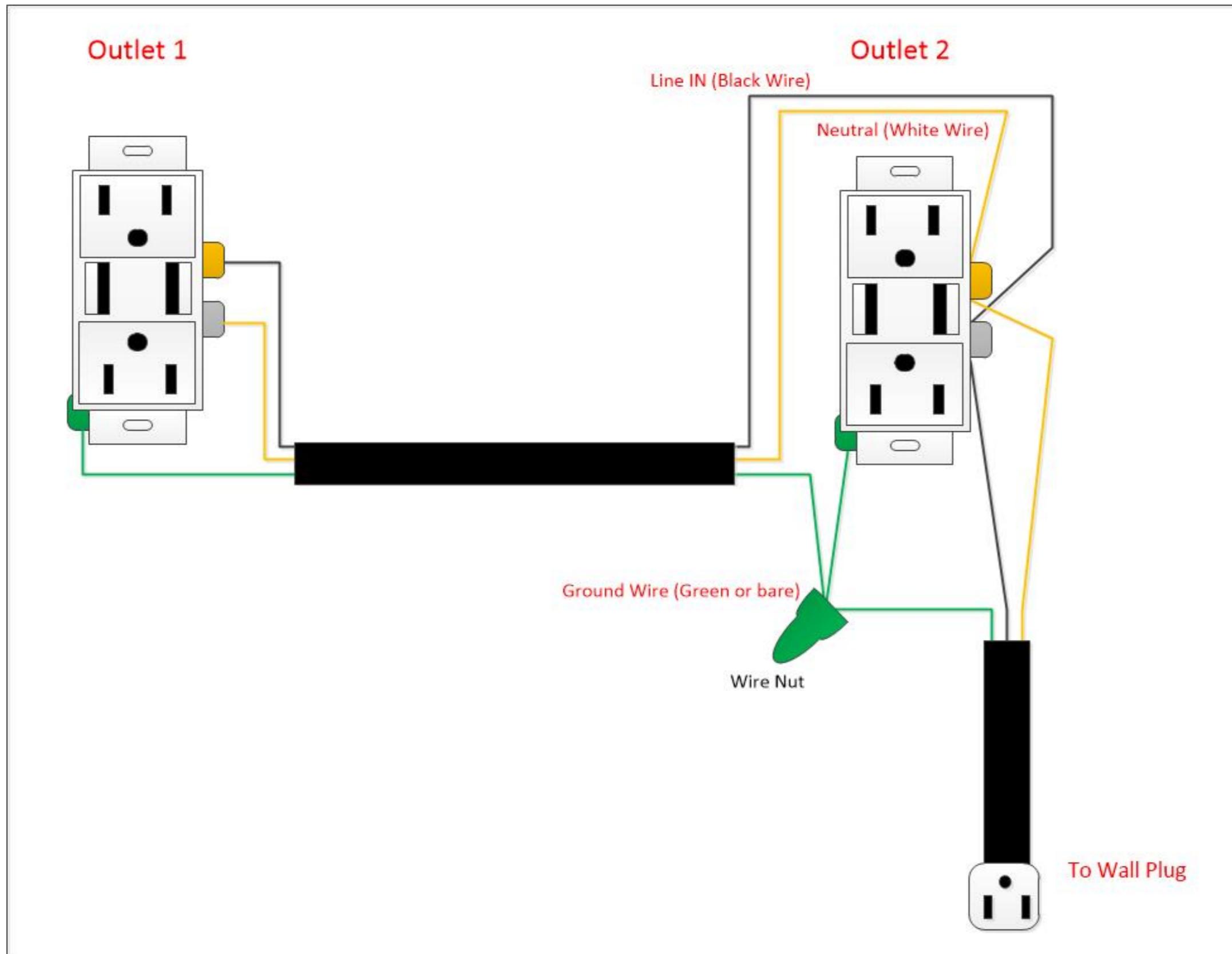
H. Install the LED strip along the edge.

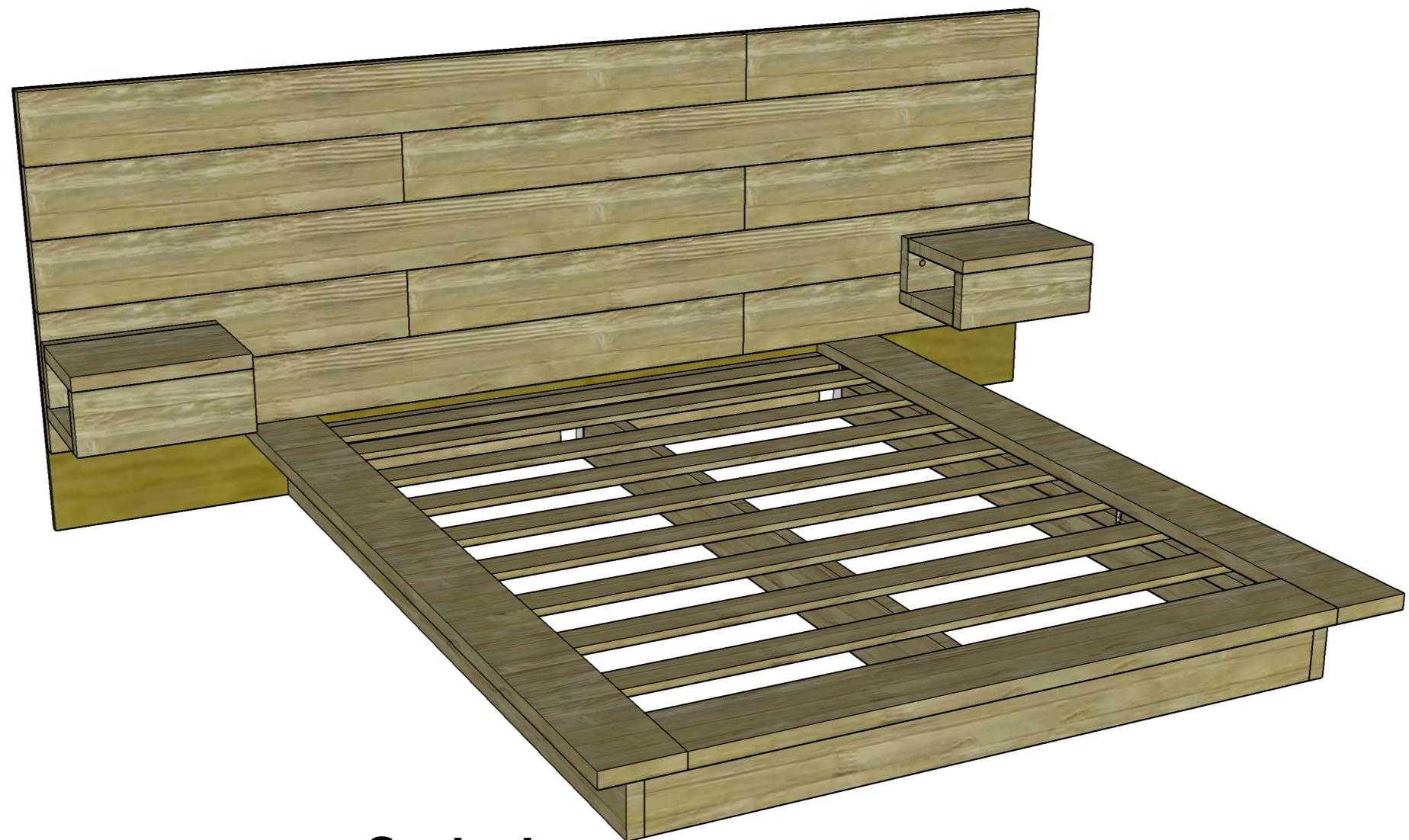
Step 11:

This diagram shows how the led strip and puck lights are hooked up. Both puck lights will be power that same way.



Step 12: This hook-up diagram is for US. outlets only. Use this diagram for installing and wiring up the electrical outlets.





Contact



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