

REAL CEDAR SWING CHAIR

DESIGN: REAL CEDAR ORIGINAL

A MODERN TWIST ON CLASSIC OUTDOOR SEATING

With this hanging love seat, summers will never be the same. Imagine all the nostalgia of an old-fashioned porch swing but with modern features like built-in cup holders and clean contemporary lines. This design is also a pleasure to build because it calls for beautiful, Western Red Cedar, which is easy to work with. It lays straight, takes fasteners easily and the tools love it. Plus, Real Cedar is naturally resistant to rot, decay and insects, making it ideal for all of your outdoor projects.

In terms of WRC grades, choose knotty (Architect Knotty, Select Knotty) for a more rustic look and clear (Architect

Clear, 'A' & better) for a polished, contemporary look. And when it comes to specifying sizes, we recommend asking your local Real Cedar retailer if they have any short lengths in stock. Using short lengths means less cutting, less waste and more savings for you. Search for kiln dried material, if available.

NOTE: The main structure of this project is suitable for DIYers of all levels. However, installing the swing to a porch roof requires a building or engineering professional.

Part	Description	Finished Size			Nominal Size	Material	Quantity
		T	W	L			
A	Arm Top	1-1/2	5-1/2	24	2x6	Western Red Cedar	2
B	Arm Support	1-1/2	5-1/2	19-3/8	2x6	Western Red Cedar	2
C	Side Cladding	1-1/2	5-1/2	21	2x6	Western Red Cedar	6
D	Frame Front	1-1/2	3-1/2	51-1/2	2x4	Western Red Cedar	1
E	Frame Support	1-1/2	3-1/2	17-1/4	2x4	Western Red Cedar	3
F	Frame Support	1-1/2	3-1/2	19-3/8	2x4	Western Red Cedar	2
G	Seat Frame	1-1/2	3-1/2	17-3/4	2x4	Western Red Cedar	3
H	Seat Top	1-1/2	3-1/2	44-1/2	2x4	Western Red Cedar	1
I	Front Cover	1-1/2	5-1/2	44-1/2	2x6	Western Red Cedar	1
J	Seat and Back	1-1/2	5-1/2	51-1/2	2x6	Western Red Cedar	5
K	Drink Support	1-1/2	3-1/2	18-1/2	2x4	Western Red Cedar	2

INSTALLATION PRO TIPS

1. For all outdoor work, you should use corrosion-resistant stainless steel or hot-dipped galvanized nails. Other fasteners and hardware such as bolts, screws and hinges should also be made from similar corrosion resistant materials.
2. You can let the cedar weather naturally (eventually turning a beautiful silvery patina), or you can choose to finish the structure—in which case, apply the finish to all six sides of the components before assembly.

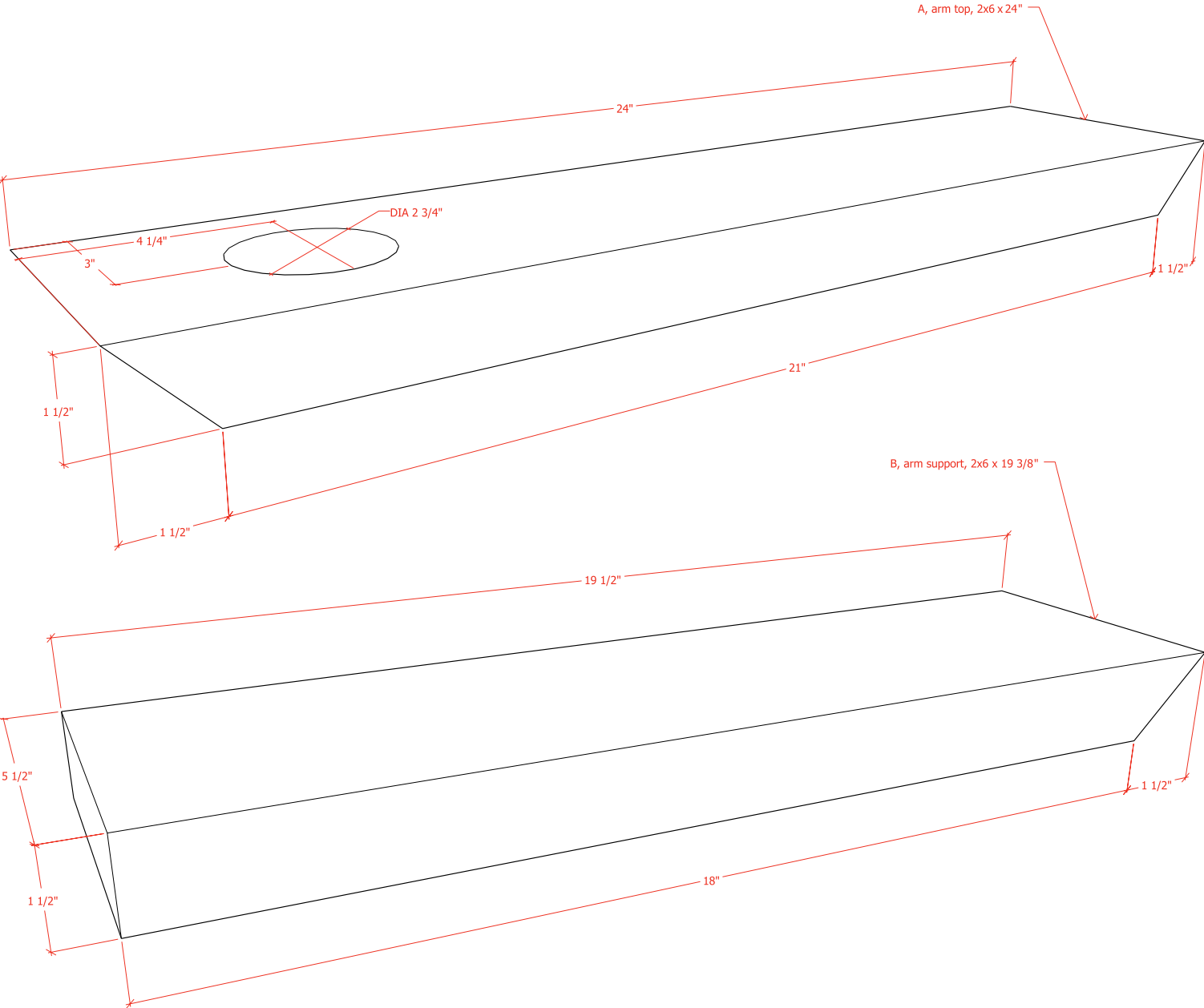
STEP 1. CUT COMPONENTS

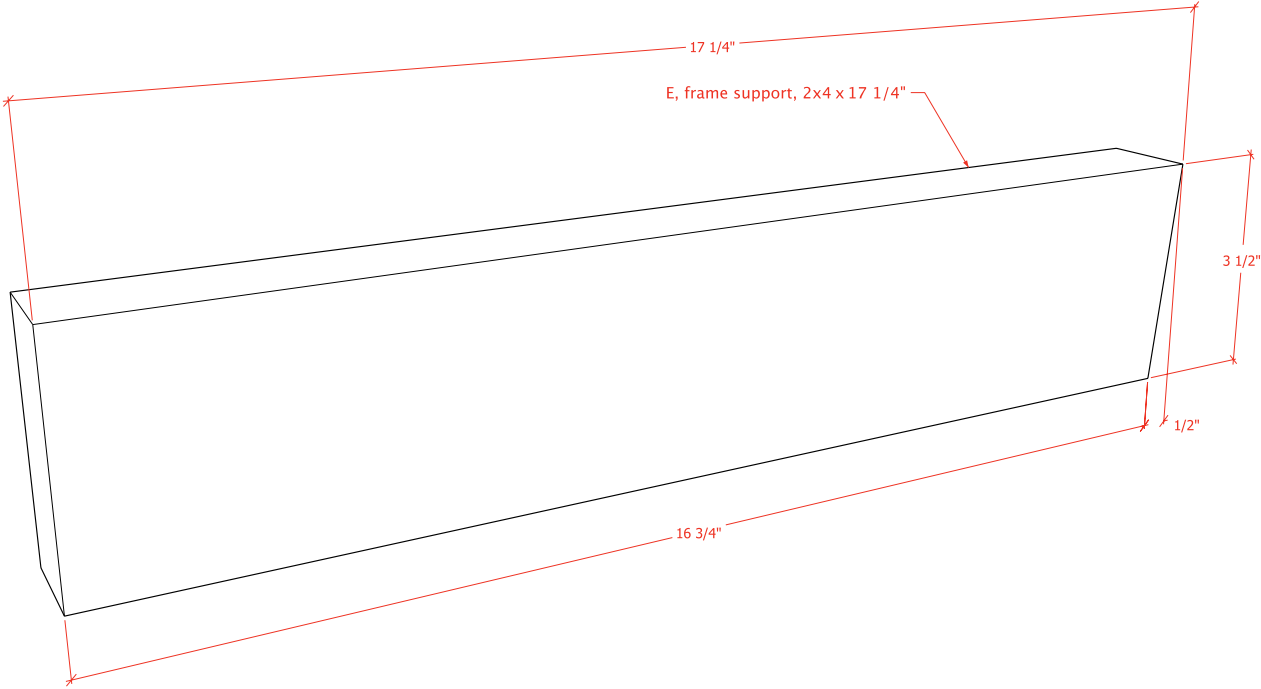
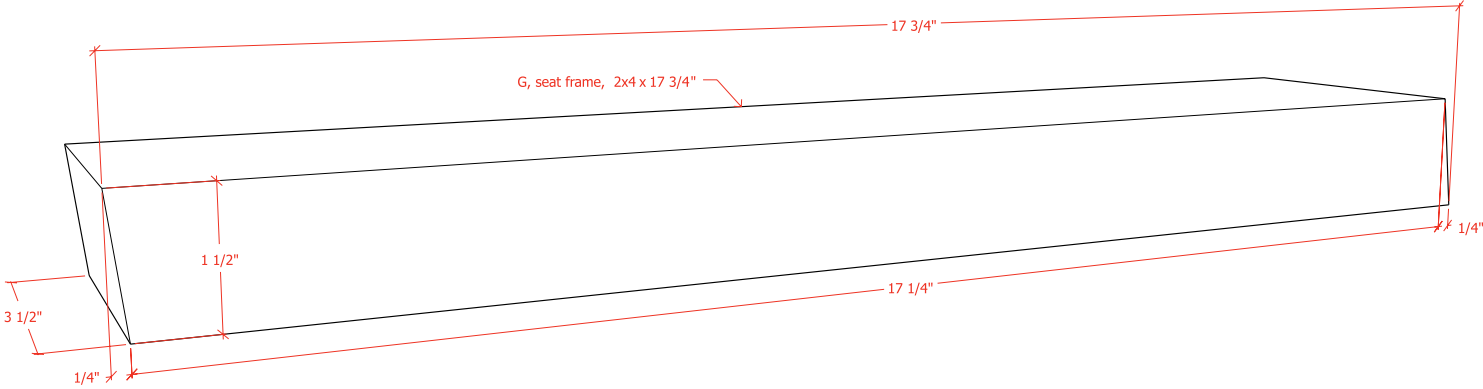
Cut all the components down to their finished sizes, as per the material list. Most pieces are square cuts but the (A) arm tops and (B) supports call for 45° miters. As well, the (E) seat supports and (G) frames need call for 7° miters.

This is also a good time to drill drink holders in the (A) arm tops. Be sure to size the circle cutouts according to your preferred beverage size. For example, a 2-3/4" hole saw will carve out a holder best suited for the average beer bottle.

PRO TIP

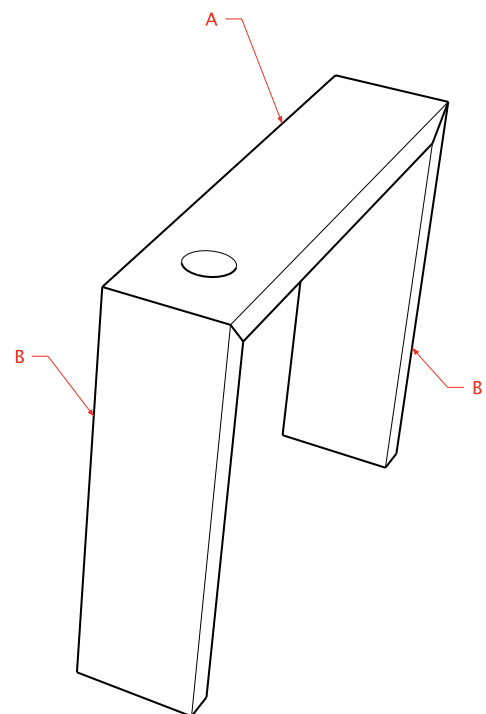
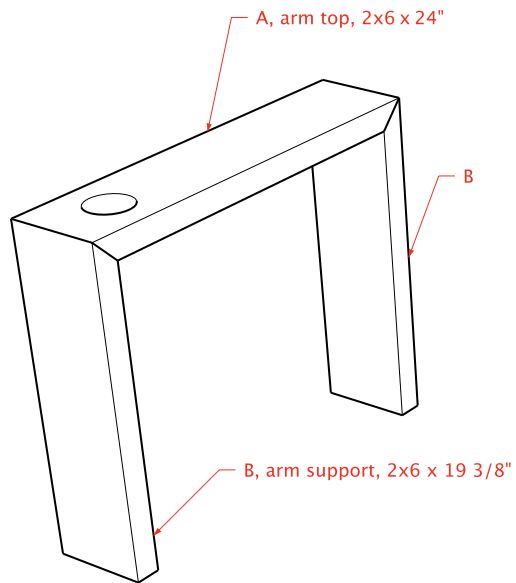
When cutting miters with a table saw, hold the wood steady and let the blade do the work. Don't force the saw through the wood.





STEP 2. BUILD THE SIDES

Using glue and stainless steel trim heads screws, attach two (B) supports to one (A) arm top. Repeat for other side.



PRO TIP

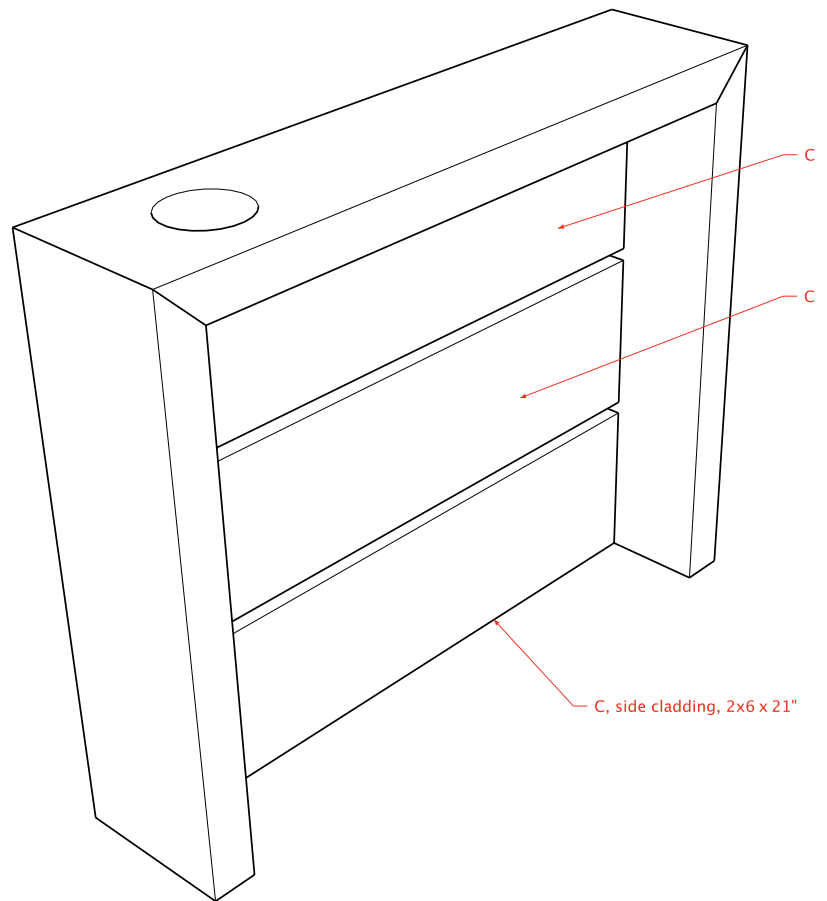
Where gluing is required, only apply a polyurethane construction adhesive specially formulated for outdoor applications. Spread a very thin even layer of glue, like butter on toast. Avoid applying excessive amounts and keep glue at least 1/2" away from exterior edges of joint to avoid unappealing bleed out. Wait a few secs until semi-dry before screwing in place.

Turn finished arm frame on the side. Starting at the bottom, make sure the first (C) board is flush with the bottom of (B) supports, then insert 1/2" spacers underneath the (C) so that the cladding is recessed back 1/2" from the outside of frame. This will create visual interest.

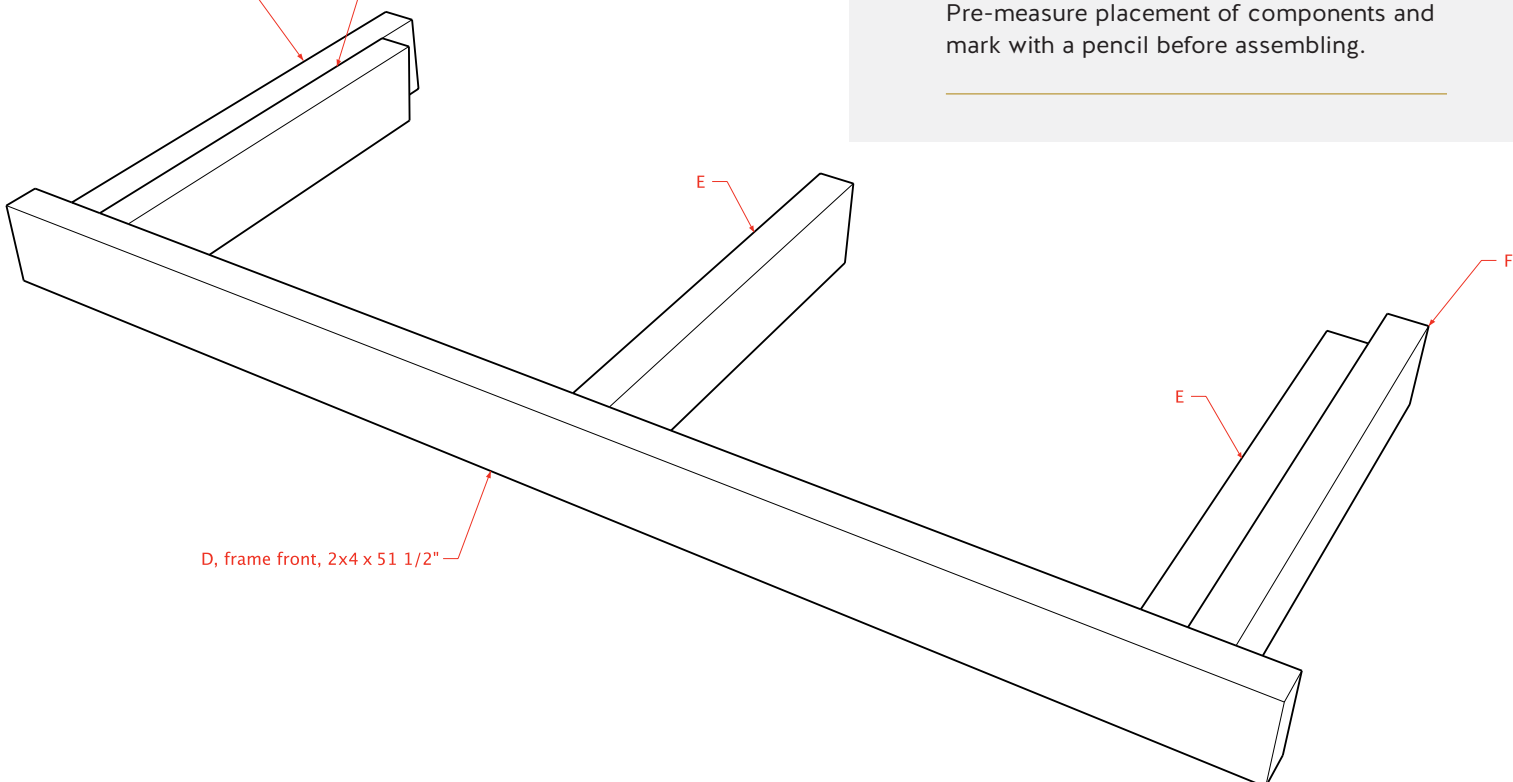
To attach, apply small amount of glue to inside of (B) supports, but only where (C) will be so there's no smearing. Then screw into place and proceed to top (C) piece using spacers underneath as well. Use another set of spacers to leave 1/2" between top (C) and (A) board. Complete with middle piece, leaving equal space between each board. Repeat for second arm, keeping in mind cup holders should be front and 1/2" recessed cladding is for exterior side of arm.

STEP 3. BUILD THE BASE

Using glue and screws, attach an (F) support to either end of the (D) front frame, leaving 3/8" space on either side. Then attach an (E) support to the inside of each (F) support. Measure and mark the (D) front frame, so that the middle (E) is equal distance between the end (E) pieces. The angled ends of each (E) should be facing out with the longer edges facing up and the straight ends should be glued and screwed to (D).



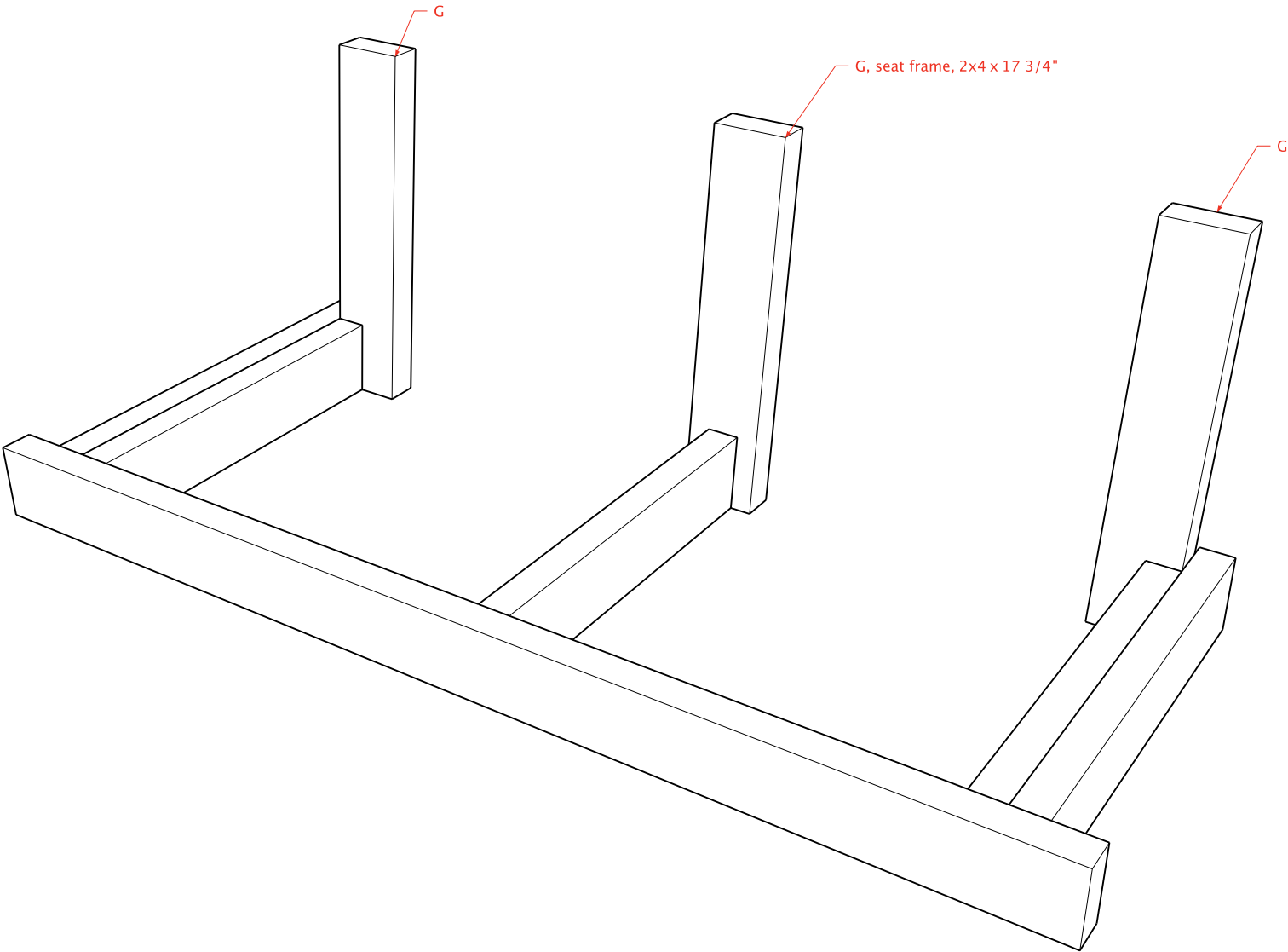
F, frame support, 2x4 x 19 3/8" E, frame support, 2x4 x 17 1/4"



PRO TIP

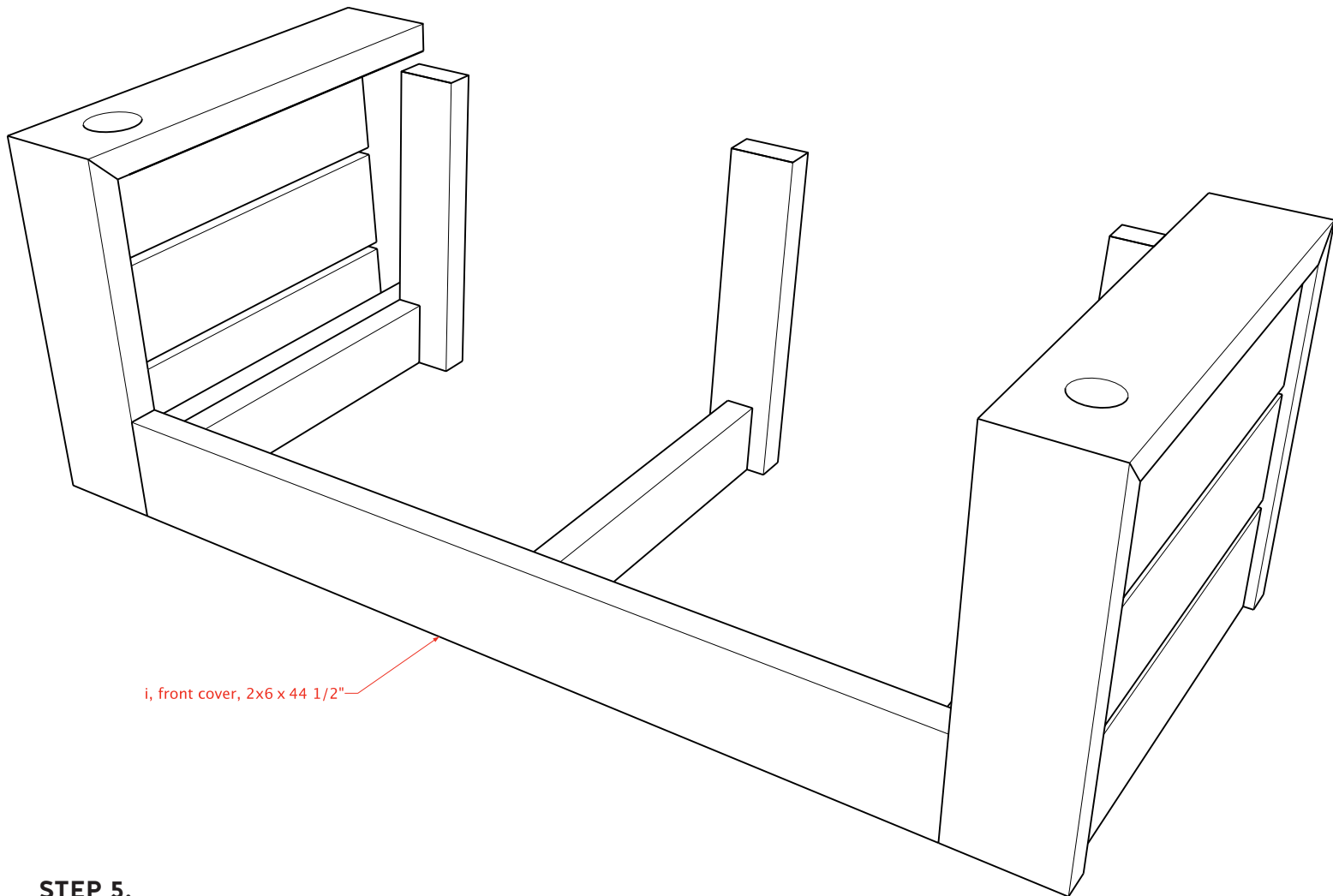
Pre-measure placement of components and mark with a pencil before assembling.

Glue and blind screw a (G) seat back upright on either end of the seat frame in the corners between (F) and outer (E) supports. Be sure the 7° mitered ends of the (G) pieces are flush with the (E) ends. And then attach third (G) support to the middle (E) support so that it's on center.



STEP 4. ATTACH THE SIDES

To attach, glue outside of (F) support and attach to inside of bottom (C) between (B) supports. Each seat frame end should fit snug inside its respective arm, and the frame should be flush with the arm bottoms. After gluing, you can blind screw into place and repeat for the other side.

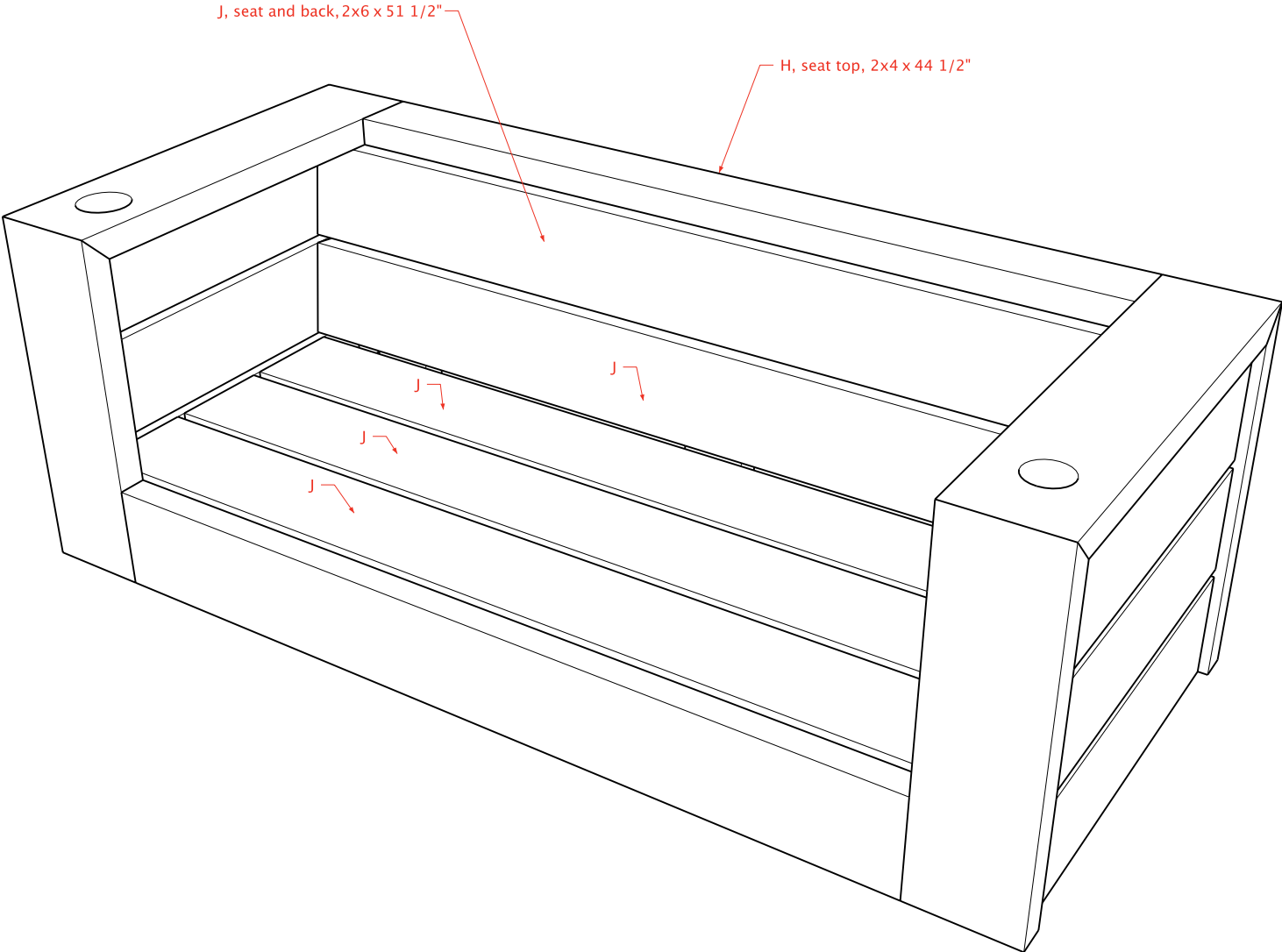


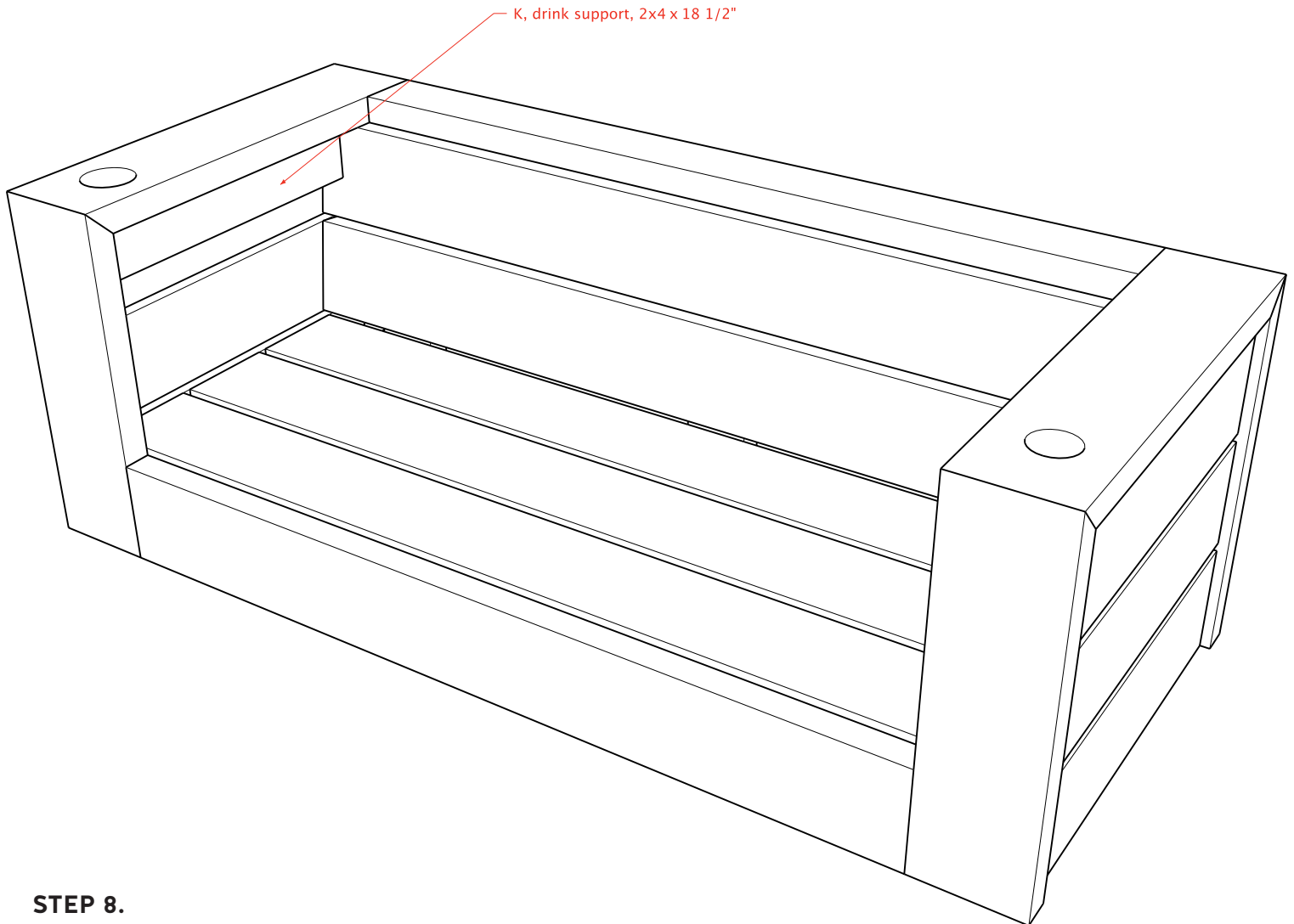
STEP 5. INSTALL SEAT FRONT

Seat front is meant to be flush with the bottom of the two sides and 1-1/2" above where seats base boards will go. You can blind screw this. Shim it level and use a 1/2" spacer.


STEP 6.
INSTALL SEAT COMPONENTS

Attach (H) seat top so that it's flush with top corners where (A) and (B) meet. Install three (J) pieces along the seat, leaving 1/2" in between each board. Continue up the back with the remaining (J) pieces.



**STEP 7.
CREATE BEVERAGE HOLDERS****STEP 8.
DETERMINE SUSPENSION POINTS AND INSTALL CHAIR**

Use welded industrial chain (not decorative chain). For a hanging chair, you need to install an eye bolt zinc coated lag on four suspension points, one on either side of each bottom (C) piece. You also need to consult a building professional to help install blocking in the porch roof to ensure that everything is structurally sound before suspending your swing.

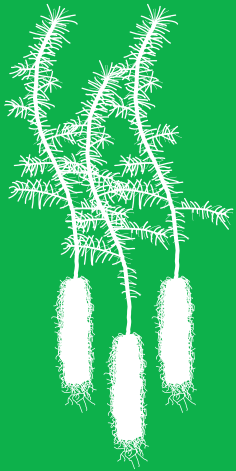


Cedars remove carbon from the atmosphere

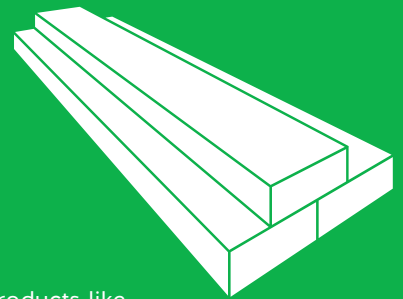
REAL CEDAR

THE MOST SUSTAINABLE CHOICE

Wood is the only major building material that is renewable—a reason why Canada's forest base is still abundant after 150 years of harvesting. For every Western Red Cedar that's harvested, at least 3 are planted. Lumber producers have been replacing harvested trees so diligently over the last few decades that North American forests have actually grown by 20% since 1970.



For every cedar harvested, at least 3 are replanted, continuing the cycle and reducing greenhouse gases



Products like Real Cedar decking and siding store it before it can be released