



RAILING BAR

DESIGN: REAL CEDAR ORIGINAL

MINIMALIST, STYLISH, PORTABLE AND ADAPTABLE

Don't have room for a big farmhouse table on your patio? You can still dine al fresco in style with this highly customizable, railing bar. And if do you have a big decking area, this casual seating solution will enhance your outdoor living space and promote social interaction.

Your guests can simply sidle up to the bar and enjoy a few cold ones while you grill up dinner on the BBQ. This particular design is stylish, yet functional, and comes with an added safety feature—an 8" backsplash to prevent drinks from falling over the edge.

The DIY plans also call for Western Red Cedar, which means it's going to be a pleasure to build. That's because Real Cedar is easy to work with—it lays straight, holds fasteners exceptionally well and the tools love it. Plus, Real Cedar is inherently beautiful as well as naturally resistant to rot, decay and insects, making it ideal for all your outdoor projects.

Designer pro tip: For added warmth & texture, choose a knotty grade of Real Cedar (Architect Knotty, Select Knotty). For a crisp, clean look, ask for Architect Clear or 'A' & better.

CUTS

Part	Description	Finished Size			Nominal Size	Material	Quantity
		T	W	L			
A	Backsplash Top	1-1/2"	7-1/2"	site-dependent	2 x 8	Select Knotty Western Red Cedar	1
B	Backsplash	1-1/2"	5-1/2"	site-dependent	2 x 6	Select Knotty Western Red Cedar	1
C	Backsplash Hook	1-1/2"	3-1/2"	site-dependent	2 x 4	Select Knotty Western Red Cedar	1
D	Bar Top	1-1/2"	5-1/2"	site-dependent	2 x 6	Select Knotty Western Red Cedar	2
E	Bar Front	1-1/2"	3-1/2"	site-dependent	2 x 4	Select Knotty Western Red Cedar	1
F	Bar Cleats	1-1/2"	3-1/2"	12-5/8"	2 x 4	Select Knotty Western Red Cedar	6
G	Legs	1-1/2"	3-1/2"	site-dependent	2 x 6	Select Knotty Western Red Cedar	2

SHOPPING LIST

All lumber should be Select Knotty Grade, Kiln Dried (KD) and smooth on all four sides (S4S).

	Description	Nominal Size x Length	Material	Quantity
Wood	WRC Dimensional Lumber	2 x 8 x 8' or 6' (length is site-dependent)	Knotty Western Red Cedar	1
Wood	WRC Dimensional Lumber	2 x 6 x 8' or 6' (length is site-dependent)	Knotty Western Red Cedar	4
Wood	WRC Dimensional Lumber	2 x 4 x 8'	Knotty Western Red Cedar	3
Hardware	Decking screws	3"	Stainless steel	52
Hardware	Decking screws	2"	Stainless steel	3
Glue	Wood Glue / Carpenter's Glue			1

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

Inspect, measure and cut all table components to the specifications in the materials list. Please note that the lengths of all components with the exception of the Bar Cleats (parts F) will depend on the height of your railing, available railing space, and/or the desired length of the bar.

Part A: Backsplash Top

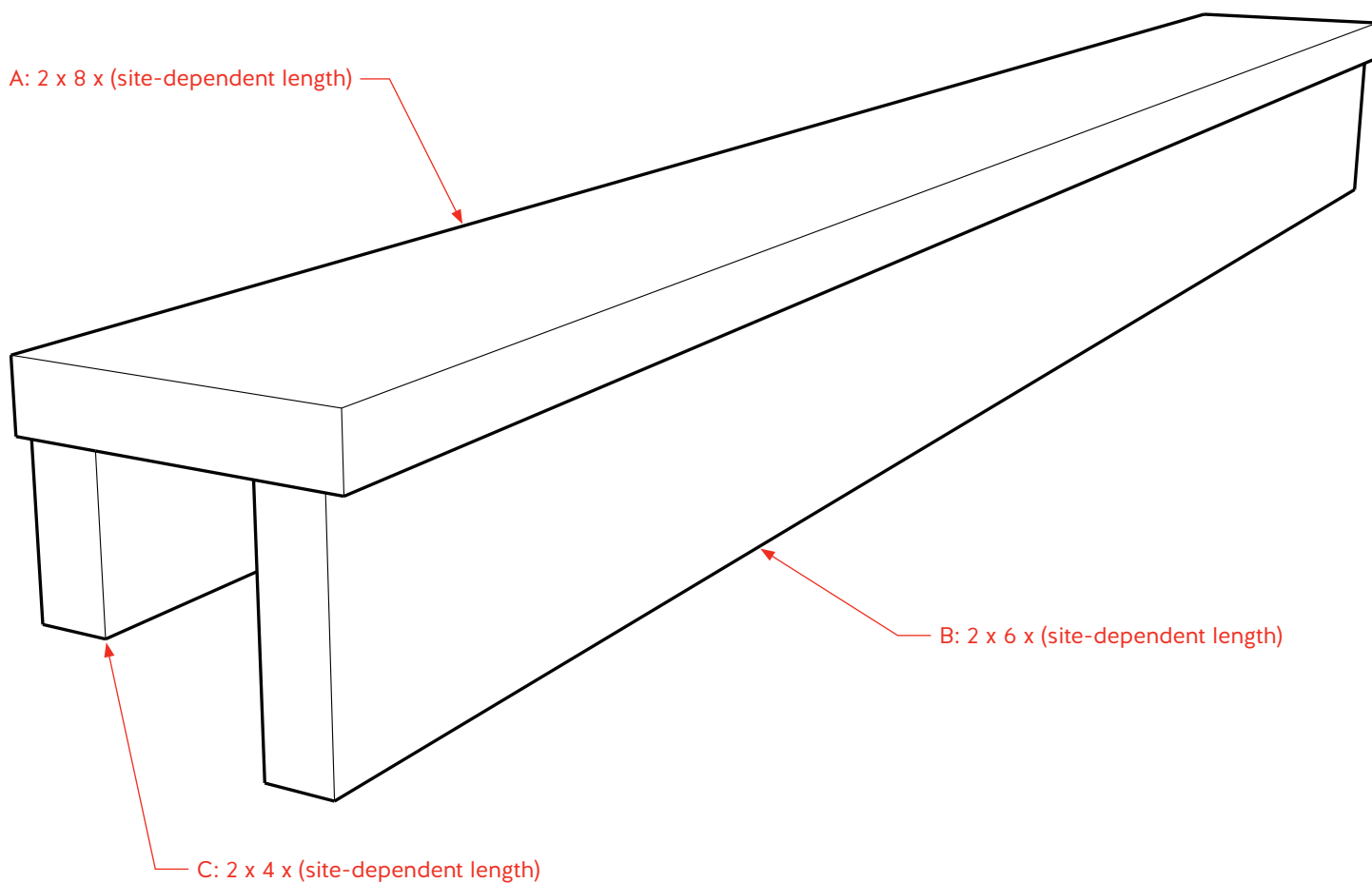
Quantity: 1

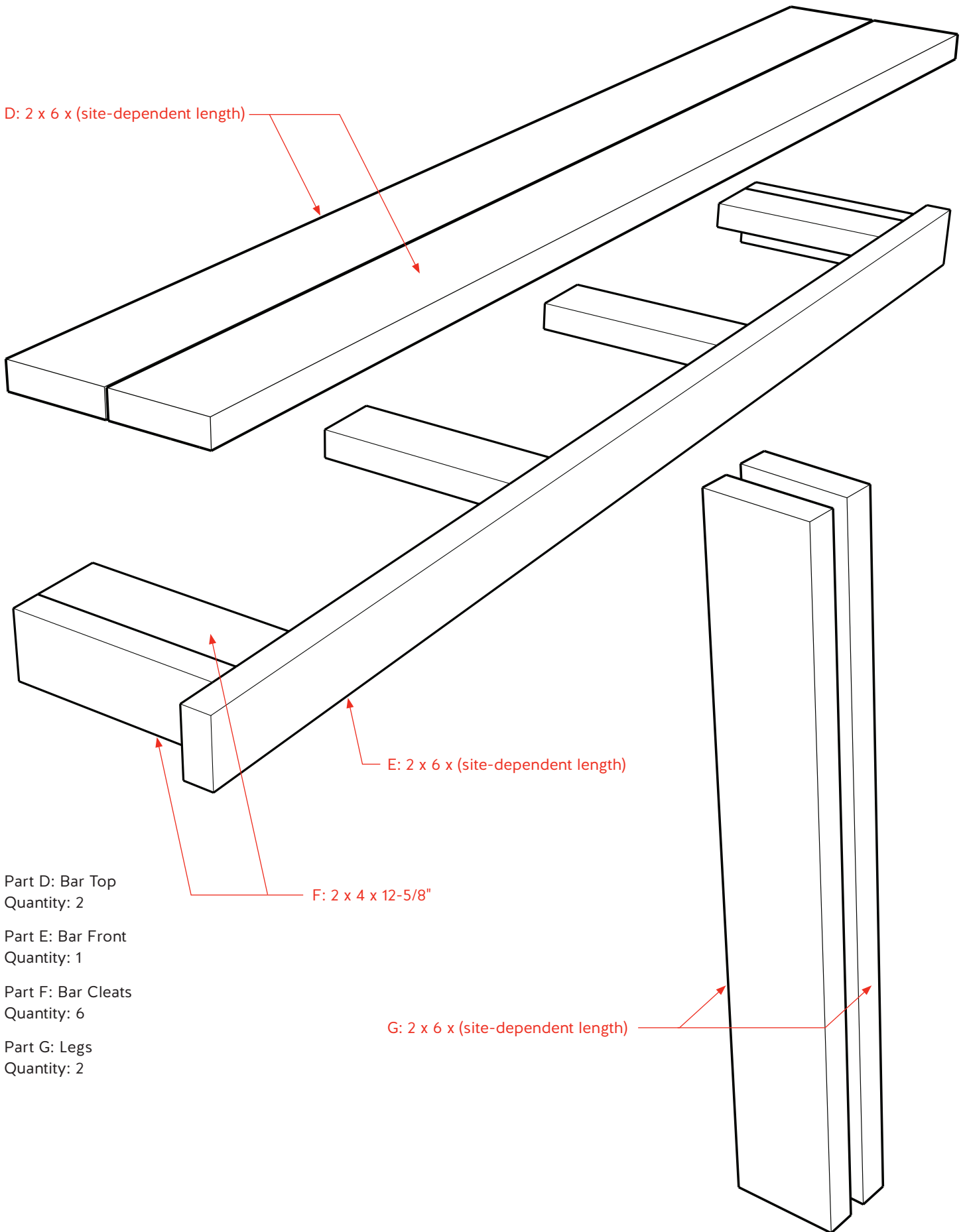
Part B: Backsplash

Quantity: 1

Part C: Backsplash Hook

Quantity: 1





Part D: Bar Top
Quantity: 2

Part E: Bar Front
Quantity: 1

Part F: Bar Cleats
Quantity: 6

Part G: Legs
Quantity: 2

STEP 2. MAKE THE BACKSPLASH / HOOK

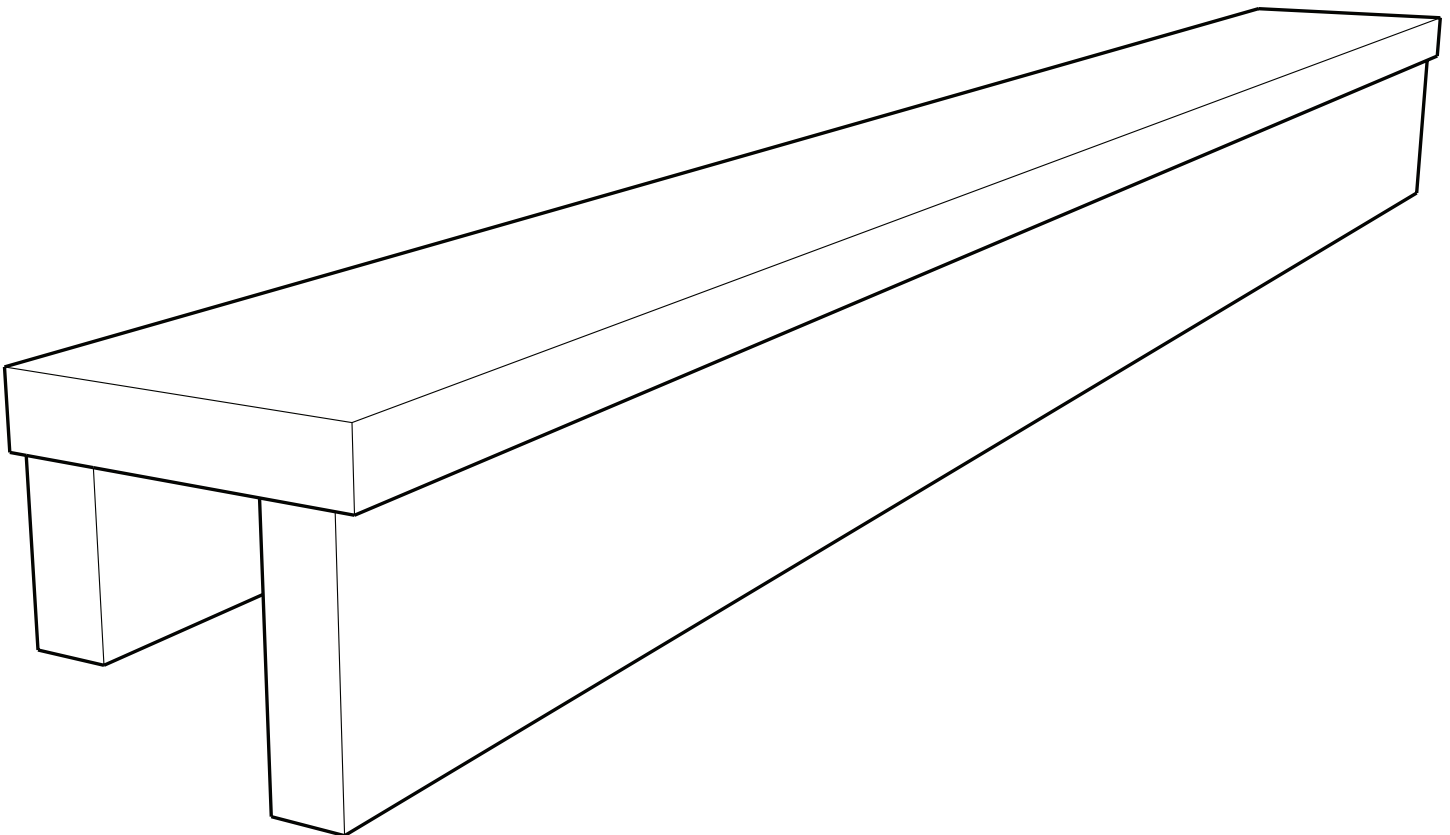
2a) Mark exactly where the Backsplash (part B) and the Backsplash Hook (part C) will attach to the Backsplash Top. The Backsplash Top (part A) will overlap the front of the Backsplash by 1/2". The positioning for your Backsplash Hook will depend on the width of your railing. Be sure to make the space 1/8" wider than your railing so you have a bit of wiggle room. These plans are made for a 3" wide railing, so our spacing is 3-1/8".

2b) On the top of the Backsplash Top, mark the placement of the screws that will fasten it to the Backsplash and the Backsplash Hook. Pre-drill 1/2" holes partway into the Backsplash Top. These will be plugged at a later stage to cover the screw heads. The number of holes will depend on the length of your bar. Space them equally along the bar top.

2c) Position the Backsplash on a table and temporarily place a second 2x6 behind it to help support the Backsplash Top while you're fastening it to the Backsplash.

2d) Add some glue to the top edge of the Backsplash, and position the Backsplash Top on top, flush on the ends and with a 1/2" overlap on the front. Drive screws through the pre-drilled holes on the Backsplash Top.

2e) Flip the piece over and position the Backsplash Hook (part C) with enough space for your railing, plus a 1/8" margin. Tack it in place by driving a screw on an angle through each end of the Backsplash Hook and into the Backsplash Top. These will hold it in place while you turn the piece on its side in order to drive screws through the remaining pre-drilled holes in the Backsplash Top. Don't glue the Backsplash Hook just in case it needs to be adjusted in the future.



STEP 3. BUILD THE FRAME FOR THE BAR TOP

3a) Lay both pieces of the Bar Top (parts D) face down and position the Bar Front (part E) so the Bar Top overlaps its front edge by 1/2".

3b) Position 2 of the Bar Cleats, standing on edge on the underside of the Bar Top. They will butt up against the inside edge of the Bar Front and should be inset from the ends of the Bar Top by at least 1-1/2".

3c) Position 2 more Bar Cleats flat against the underside of the Bar Top and butted up against the inside edges of both of the already positioned Bar Cleats at each end. Fasten together with 2 screws in each.

3d) Position the remaining Bar Cleats along the underside of the Bar Top with equal spacing in between and butted up against the back of the Bar Front.

3e) Mark the placement of the screws that will be driven through the front of the Bar Front to connect it to the ends of the Bar Cleats (2 screws in each). Pre-drill 1/2" holes partway into the Bar Front. These will be plugged at a later stage to cover the screw heads.

3f) Drive screws through your pre-drilled holes to connect the Bar Front to the Bar Cleats.

3g) Ensure that there is still a 1/2" overlap on the front and that the ends of the Bar Front are flush with the ends of the Bar Top.

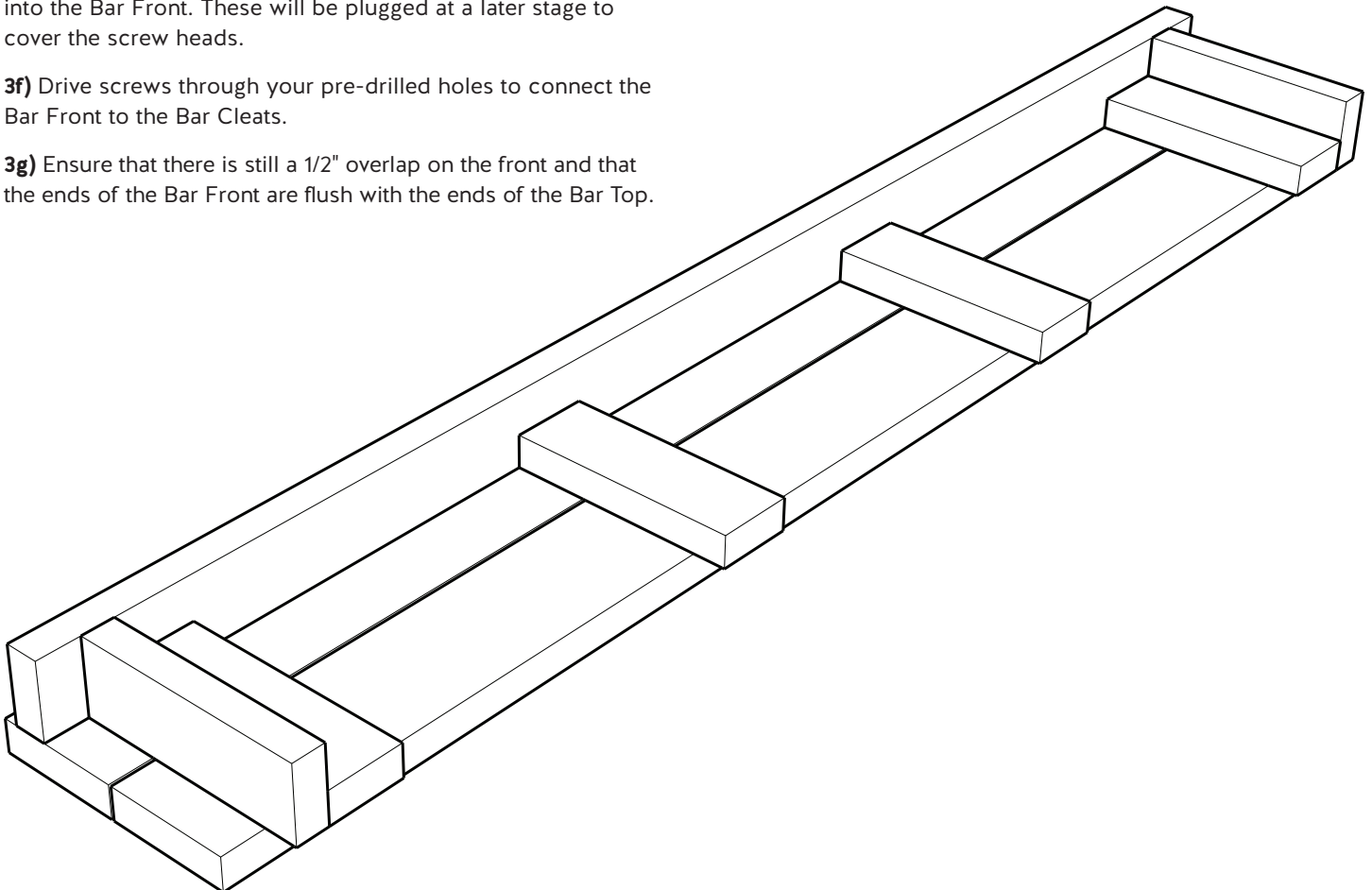
3h) Connect the front board of the Bar Top by driving 1, 3" screw through each of the flat Bar Cleats. Drive these screws on an angle to avoid splitting and to ensure that they don't breach the top side of the Bar Top.

3i) Position the second board of the Bar Top with a 1/8" gap to allow for drainage.

3j) Connect the second board by following the same instructions as the first board.

3k) Toenail 1, 3" screw on each end of the Bar Front to fasten it to the Bar Top.

3l) Toenail 2" screws halfway between each of the Bar Cleats to further fasten the Bar Front to the Bar Top.

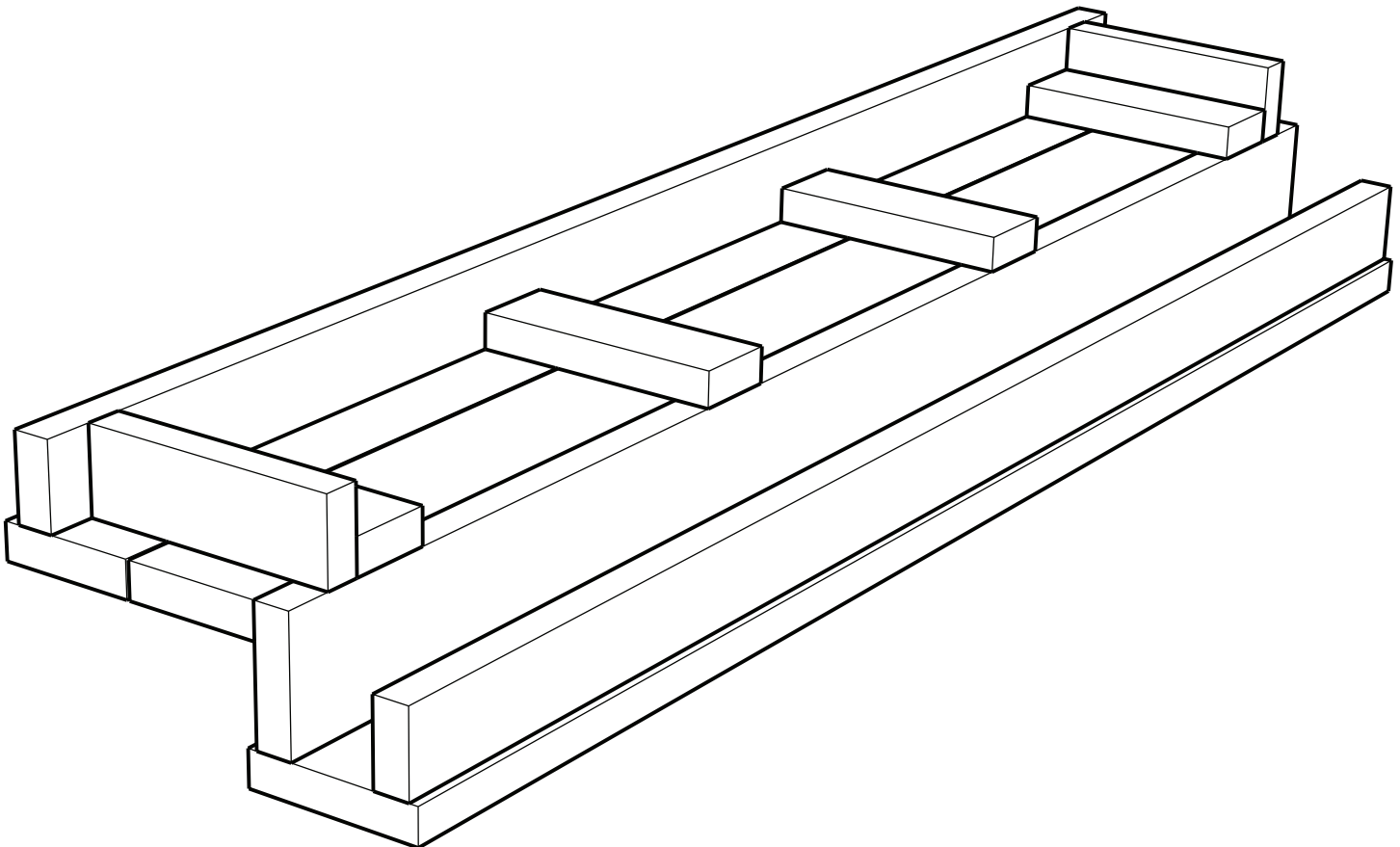


STEP 4. ATTACH THE BAR TOP TO THE BACKSPLASH ASSEMBLY

- 4a) Position the Backsplash Assembly upside down.
- 4b) Also upside down, position the Bar Top Assembly so the protruding ends of the Bar Cleats are resting on the Backsplash (part B).
- 4c) Temporarily support and shim up the front side of the Bar Top Assembly so it's flat and positioned for easy fastening.
- 4d) Tack the two pieces together with a couple of 3" screws through the back of the Backsplash into the back of the Bar Top.
- 4e) Further fasten the pieces together using 2, 3" screws through each Bar Cleat and into the bottom of the Backsplash.
- 4f) Drive 4 more 3" screws through the back of the Backsplash and into the back of the Bar Top to pull everything tightly together.

PRO TIP

Drive all screws on slight angles so they cross the grain to avoid splitting the wood.

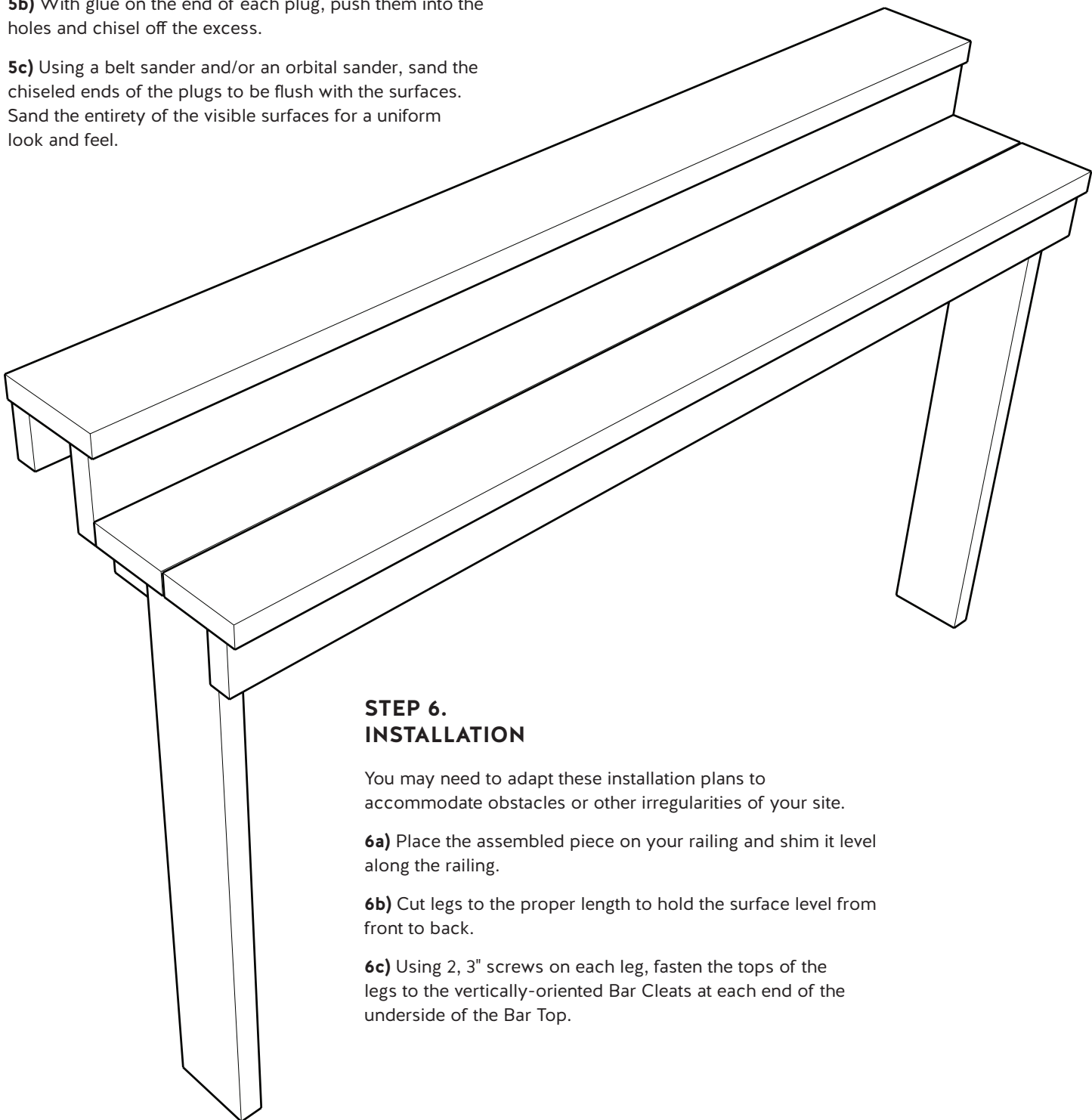


STEP 5. PLUG HOLES & SAND SURFACES

5a) Using a 1/2" plug cutter cut as many plugs as are needed to fill all of the 1/2" pre-drilled holes. Use the offcuts from the boards you're plugging to cut the plugs so the tone of the wood is as close a match as possible.

5b) With glue on the end of each plug, push them into the holes and chisel off the excess.

5c) Using a belt sander and/or an orbital sander, sand the chiseled ends of the plugs to be flush with the surfaces. Sand the entirety of the visible surfaces for a uniform look and feel.



STEP 6. INSTALLATION

You may need to adapt these installation plans to accommodate obstacles or other irregularities of your site.

6a) Place the assembled piece on your railing and shim it level along the railing.

6b) Cut legs to the proper length to hold the surface level from front to back.

6c) Using 2, 3" screws on each leg, fasten the tops of the legs to the vertically-oriented Bar Cleats at each end of the underside of the Bar Top.

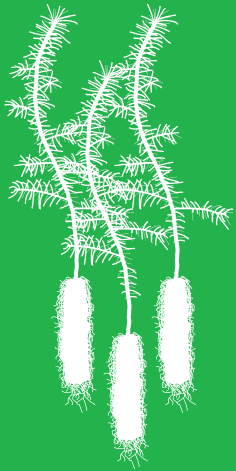
Cedars remove carbon from the atmosphere



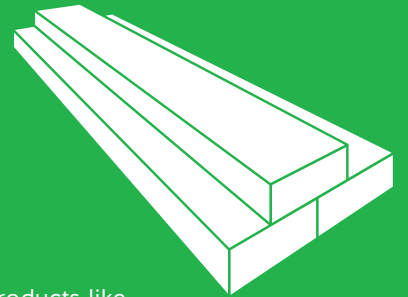
REAL CEDAR

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