Outdoor Bar

PROJECT PLAN

YellaWood® Pressure Treated Pine

This plan turns any space into a party space.

An outdoor bar is the perfect companion to any deck, patio, or porch. It offers a place to store and serve drinks in style.

This project features storage below the counter that includes adjustable shelving and accommodates a 40-gallon cooler. The staggered counter height is ideal for both making drinks and serving guests.

The outside cladding of this piece is built from decking boards that come with a beautiful milled edge for a finished look.

For construction, after the main frame is built, the countertops are installed and the shelving pieces are placed within. In a few short hours, your bar will be ready for years of outdoor enjoyment.

BUILD TIME

6
HRS

DIFFICULTY

●●●○○

COST

$ $ $ $ $

Outdoor Bar

IMPORTANT REMINDERS

YellaWood® Pressure Treated Pine

Read instructions to familiarize yourself with the entire process before beginning.

Always double-check measurements before making cuts – Great Southern Wood is not responsible for incorrect cuts.

Select and use the best faces of boards on the outside of assemblies.

Pre-drill holes before attaching screws. Set ⅛" drill bit inside combination countersink bit to appropriate depth for each screw length called for.

Wood glue is optional. If you choose to use it, apply to surfaces before attaching parts, and be sure to wipe up excess with a damp cloth.

Check BuildYella.com for updates to plans and to view the video of this project.

Because wood stock can vary, dry-fit sub-assemblies as needed to ensure dependent parts align. Make any adjustments needed to part dimensions before final assembly.

The cut list is based on the following actual dimensions for KDAT board stock:

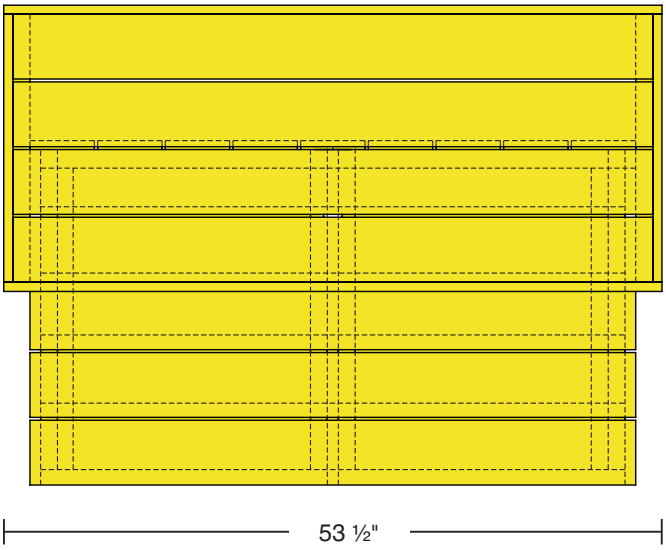
1x2	¾" x 1 ½"
1x4	¾" x 3 ½"
1x6	¾" x 5 ½"
1x8	¾" x 7 ¼"
5/4 x6	⅞" x 5 ¼"
2x2	1 ½" x 1 ½"
2x4	1 ⅜" x 3 ¼"
2x6	1 ⅜" x 5 ¼"
2x10	1 ½" x 9 ⅛"
4x4	3 ¼" x 3 ¼"

Outdoor Bar

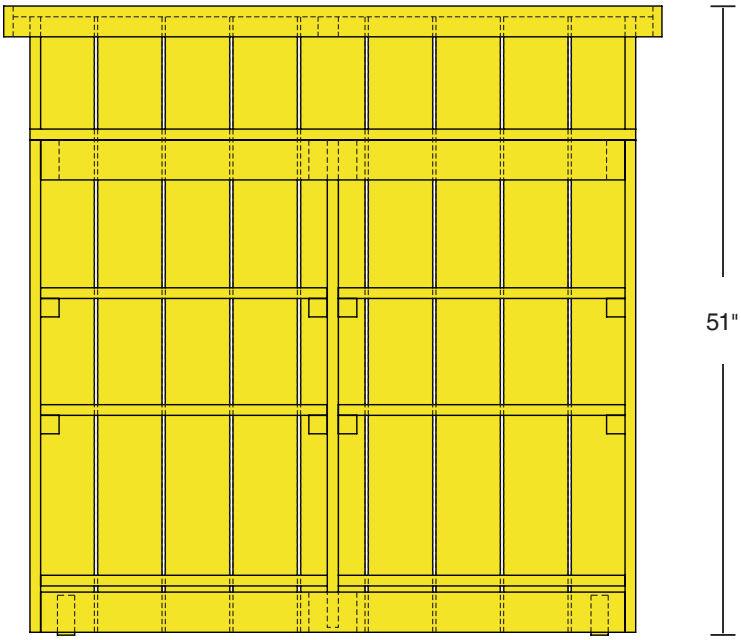
OVERALL SIZE

YellaWood® Pressure Treated Pine

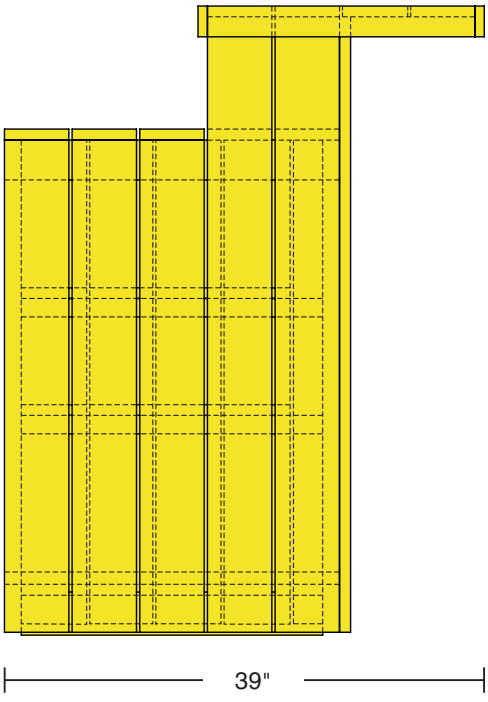
TOP



FRONT



SIDE



Note: Diagrams not to scale.

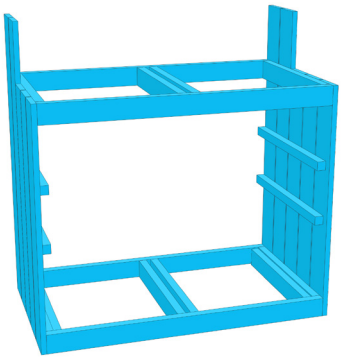
Outdoor Bar

OVERVIEW OF STEPS

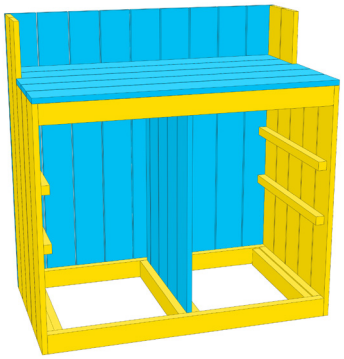
YellaWood® Pressure Treated Pine

SEQUENCE OF BUILD

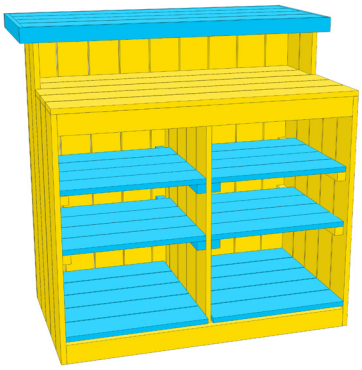
1: FRAME & SIDE WALLS



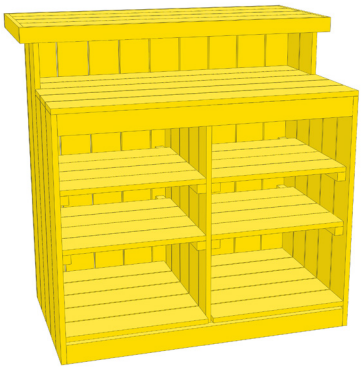
2: BACK & MIDDLE WALLS + WORK SURFACE



3: BAR TOP & SHELVES



4: FINISHING



BUILD TIME

CUTTING		ASSEMBLY		FINISHING		TOTAL		TOTAL
1 HR	+	4 HRS	+	1 HR	=	6 HRS		36 STEPS

Outdoor Bar

WHAT YOU'LL NEED

MATERIALS

- ◯ **22x** 5/4x6x10' YellaWood® brand pressure treated pine
- ◯ **4x** 2x4x10' YellaWood® brand pressure treated pine
- ◯ **2x** 1x4x10' YellaWood® brand pressure treated pine
- ◯ **3x** 2x2x10' YellaWood® brand pressure treated pine

HARDWARE

½ LB BOX

- ◯ 1 ¼" wood screws + appropriate bit
- ◯ 2" wood screws + appropriate bit
- ◯ 2 ½" wood screws + appropriate bit
- ◯ 3 ½" wood screws + appropriate bit

OTHER

- ◯ Wood shims

WOOD FINISHING

- ◯ Preferred wood finish

SAFETY EQUIPMENT

- ◯ Work gloves
- ◯ Dust mask
- ◯ Safety glasses
- ◯ Ear protection

Notes:

Consider using YellaWood® brand KDAT and higher grade products to achieve more professional results.

Choose boards with minimal irregularity to get the most out of the stock. The following cut list shows maximum nesting of parts per board. If unsure about board quality, purchase 1 extra piece of each board type.

If you'd like to construct the HACK version of this plan, skip ahead and add that material list to your purchase list.

TOOLS


Pencil


Measuring tape


Miter saw
(or chop saw)


Table saw


Drill / driver


Mallet


Clamps
(two at least 5' long – bar clamps recommended)


Combination countersink bit
(with 3" long ⅛" bit)


Radial sander
(or sanding block)


Combination square
(including level)


Damp cloth
(optional)


Waterproof wood glue
(optional)

Outdoor Bar

CROSS-CUT DIAGRAMS

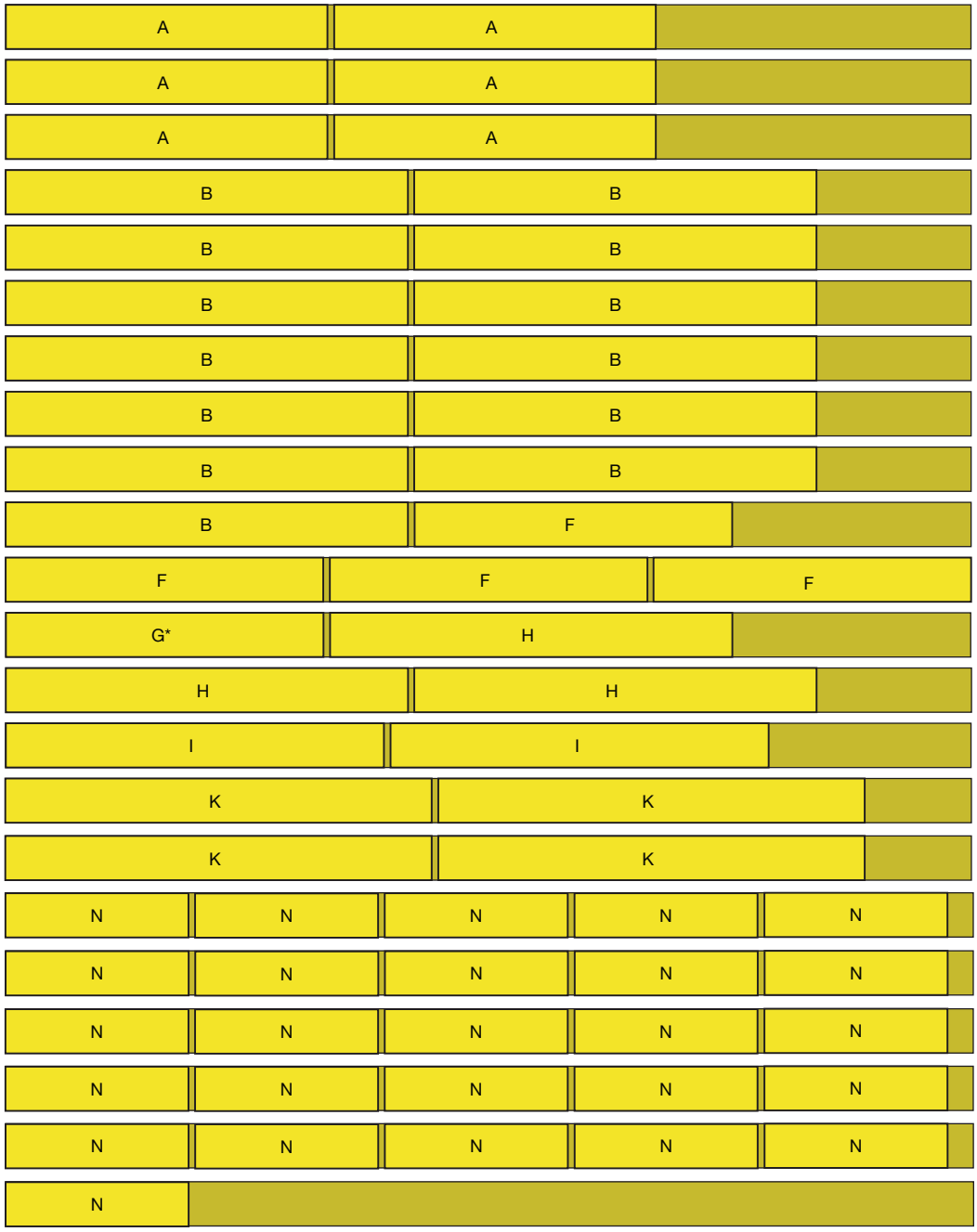
YellaWood® Pressure Treated Pine

PREP: CROSS-CUT ALL PARTS

Proceed to cut all parts listed below unless noted otherwise. Be sure to **label all parts** so you know which ones to use for the Assembly Steps that follow.

CROSS-CUT TO	PART	#
40"	A	6x
50"	B	13x
39 ½"	F	4x
39 ½"	G*	1x
49 ¼"	H	3x
47 ½"	I	2x
52"	K	4x
23 ¼"	N	26x

⅝x6x10' STOCK
22 BOARDS



* Requires rip cuts – see next page.

Note: Diagrams not to scale.

Outdoor Bar

CROSS-CUT DIAGRAMS

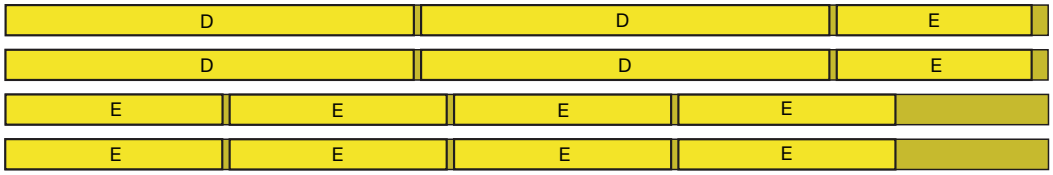
YellaWood® Pressure Treated Pine

PREP: CROSS-CUT ALL PARTS

Proceed to cut all parts listed below unless noted otherwise. Be sure to **label all parts** so you know which ones to use for the Assembly Steps that follow.

2x4x10' STOCK
4 BOARDS

CROSS-CUT TO	PART	#
47 ½"	D	4x
24 ½"	E	10x

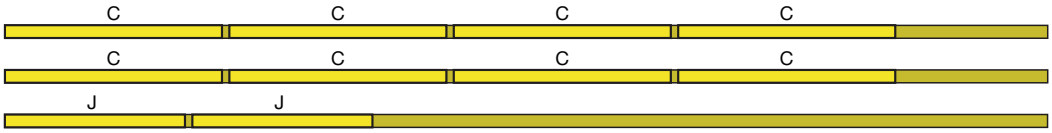


1x4x10' STOCK
2 BOARDS

CROSS-CUT TO	PART	#
21 ¾"	L*	2x
53 ½"	M*	2x

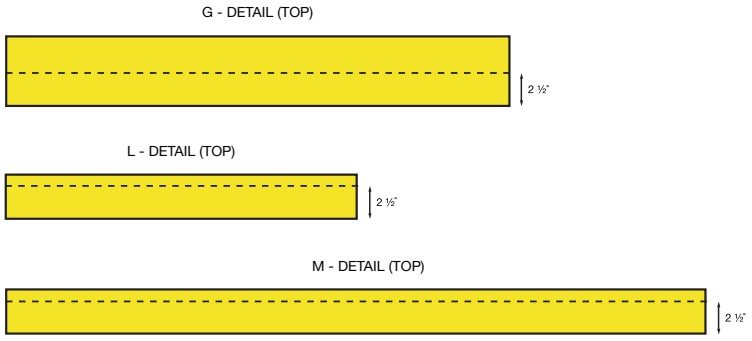
2x2x10' STOCK
3 BOARDS

CROSS-CUT TO	PART	#
26"	C	8x
21 ¾"	J	2x



* Requires rips cuts – see below.

RIP-CUT TO	PART	#
2 ½"	G	1x
2 ½"	L	2x
2 ½"	M	2x



Note: Diagrams not to scale.

Outdoor Bar

ASSEMBLY

YellaWood® Pressure Treated Pine

SECTION 1:
FRAME & SIDE WALLS

TOOLS


Drill / driver


Pencil


Measuring tape


Clamps
(at least 5')

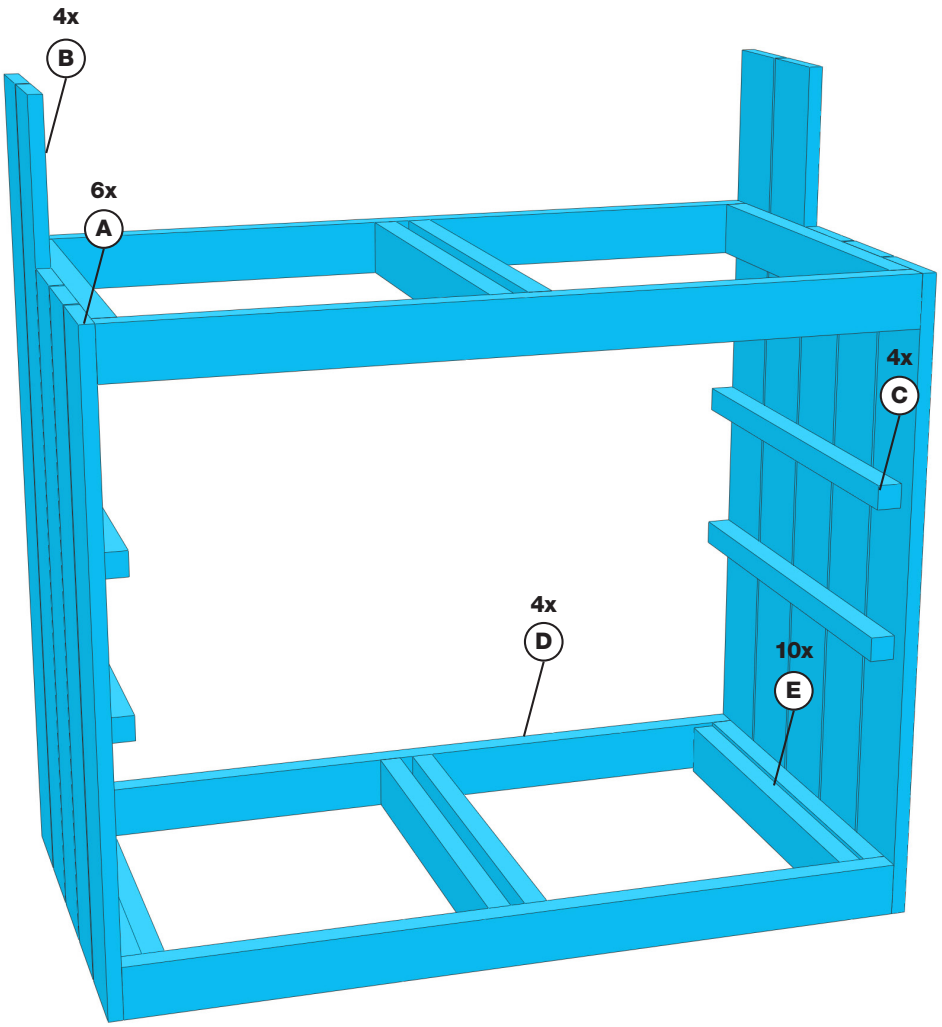

Combination countersink bit
(with 3" long ⅛" bit)


Combination square
(including level)


Mallet

SUPPLIES

2" screws
2 ½" screws
3 ½" screws



Outdoor Bar

ASSEMBLY

YellaWood® Pressure Treated Pine

SECTION 1: FRAME & SIDE WALLS

1 ☐

Begin by placing three Parts (A) and two Parts (B) on a flat work surface with ¼" spacers placed between them. Place the best board faces facedown on the table.

2 ☐

Ensuring that the total length of the boards plus spacers equals 27 ¼", block up the bottom edges and secure boards with a clamp.

3 ☐

Lay a Part (C) 16 ⅛" from the bottom edges. Measure and mark both ends to draw a pencil line.

4 ☐

Secure Part (C) to the boards with two 2" screws per board.

5 ☐

Lay the second Part (C) 25 ⅝" from the bottom edges.

6 ☐

Secure Part (C) to the board with two 2" screws per board.

7 ☐

Repeat this step in a mirrored fashion for the other wall.

8 ☐

To create the two frames, secure two Parts (D) to two Parts (E) with two 2 ½" screws per joint to form a 90-degree rectangle. Use bar clamps to help maintain a square joint as needed.

9 ☐

Place two Parts (E) inside the rectangle so they are centered and spaced ⅞" apart from each other. Use a mallet if needed. Secure with two 2 ½" screws.

Outdoor Bar

ASSEMBLY

YellaWood® Pressure Treated Pine

SECTION 1:
FRAME & SIDE WALLS

10 ☐

Build a second rectangle frame identical to the first, and then set the first one aside. For the second frame, place ¼" spacers inside the short ends flat on the table.

11 ☐

Then, place a Part (E) inside the rectangle's short side on top of the spacers. These will lift the 2x4s a bit so that, when flipped, they are the main feet for the unit.

12 ☐

Repeat this on the other short end and secure to the frame with two 2 ½" screws.

13 ☐

Next, flip the second frame on the work surface and attach the side walls using four 3 ½" screws per board.

14 ☐

Once the bottom frame is attached to the side walls, place the unit on the ground and secure the top frame so it is flush with the lower part of the side walls. Use clamps as needed, and attach with 3 ½" screws.

15 ☐

Continue securing the top frame until all boards are joined.

Outdoor Bar

ASSEMBLY

YellaWood® Pressure Treated Pine

SECTION 2:
BACK & MIDDLE WALLS + WORK SURFACE

TOOLS


Drill / driver


Pencil


Measuring tape


Clamps
(at least 5')

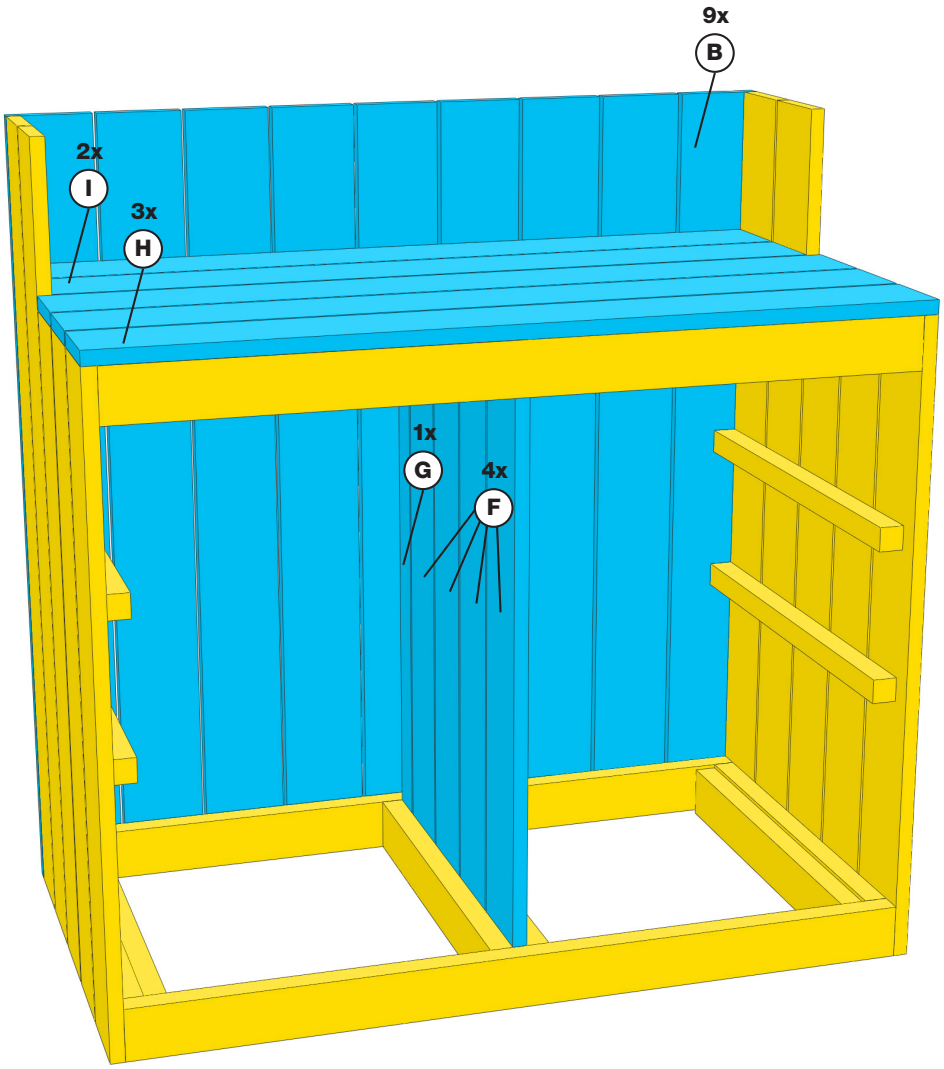

Combination countersink bit
(with 3" long ⅛" bit)


Level
(from combination square)

SUPPLIES


2" screws

Wood shims



Outdoor Bar

ASSEMBLY

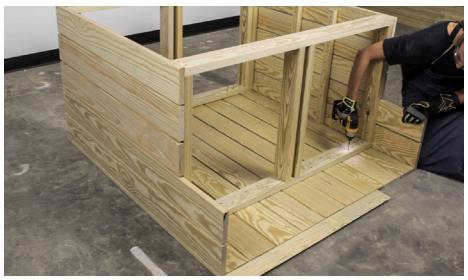
YellaWood® Pressure Treated Pine

SECTION 2:
BACK & MIDDLE WALLS + WORK SURFACE

16 ☐

Attach the first Parts (B) to either end of the bar, securing from the frame side if visible screw heads are not desired. Use four 2" screws per board.

17 ☐



Flip assembly if desired and evenly space the remaining Parts (B) and attach to both frames. The spacing should be close to ¼", but measure your stock.

18 ☐

Drop in Parts (F) and (G) in between the center of the frames. Note that Part (G) is ripped so that it will fit easily within the middle frame. It is placed at the back of the middle wall.

19 ☐

Use ¼" spacers at the top and bottom.

20 ☐

Secure with 2" screws at the top.

21 ☐

Finish by securing the bottoms of Parts (F) and (G) to the bottom frame.

22 ☐

Place a Part (H) on the top surface and secure with 2" screws after ensuring it is flush on all edges.

23 ☐

Matching the spacing of the side walls below, attach the remaining Parts (H).

24 ☐

Secure Parts (I) to complete the countertop. Once complete, check that the bar is level on the ground. Use shims under the protruding 2x4s on the base frame as needed.

Outdoor Bar

ASSEMBLY

YellaWood® Pressure Treated Pine

SECTION 3:
BAR TOP & SHELVES

TOOLS


Drill / driver


Pencil


Measuring tape


Clamps
(at least 5')

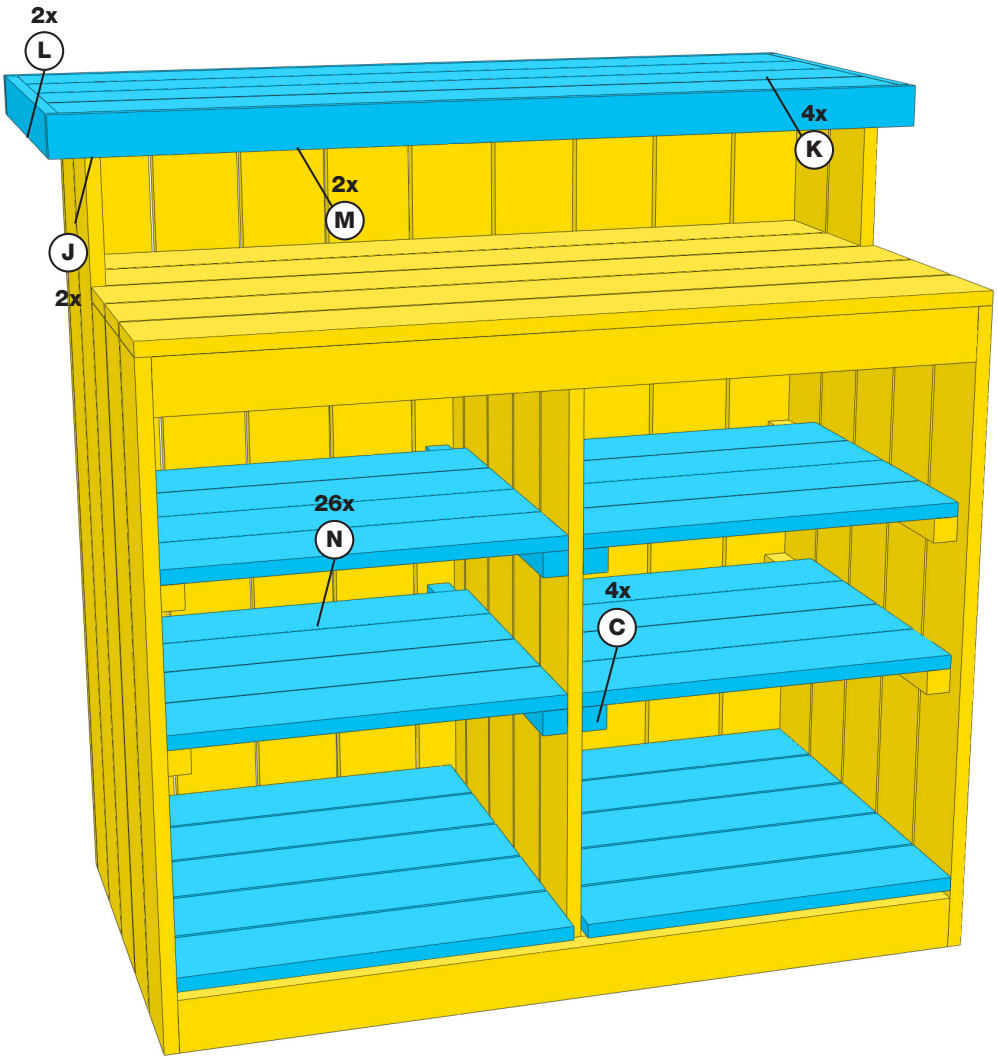

Combination countersink bit
(with 3" long ⅛" bit)


Level
(from combination square)


Mallet

SUPPLIES


1 ¼" screws
2" screws



Outdoor Bar

ASSEMBLY

YellaWood® Pressure Treated Pine

SECTION 3:
BAR TOP & SHELVES

25 ☐

Using a level, place a Part (N) perpendicularly on top of a Part (C), and move Part (C) up and down until the level bubble is in the middle. Mark a line above Part (C) with a pencil.

26 ☐

Using the line as a guide, clamp and secure Part (C) to the middle wall using two 2" screws per board.

27 ☐

Repeat Steps 25-26 for the upper Part (C), and then place another Part (C) on top of both secured pieces and pencil-mark screw hole guides in between the ones you made.

28 ☐

Using the marks as guides, secure the opposite Parts (C) so that they avoid the screws on the other side. Use the same method of finding level to its mirrored side with a spare Part (N).

29 ☐

Add support Parts (J) to the outside of Parts (B) with two 2" screws per board.

30 ☐

Repeat Step 29 on the other side of the bar.

31 ☐

Next, place Parts (K) on the very top of the bar.

32 ☐

Attach the first and last board with two 1 ¼" screws per board, avoiding the screws perpendicular in the support pieces.

33 ☐

Evenly space the remaining boards and attach.

Outdoor Bar

ASSEMBLY

YellaWood® Pressure Treated Pine

SECTION 3:
BAR TOP & SHELVES

34 ☐

Attach apron Parts (M) and (L) to the outside edges with two 1 ¼" screws vertically placed to complete the bar top.

35 ☐

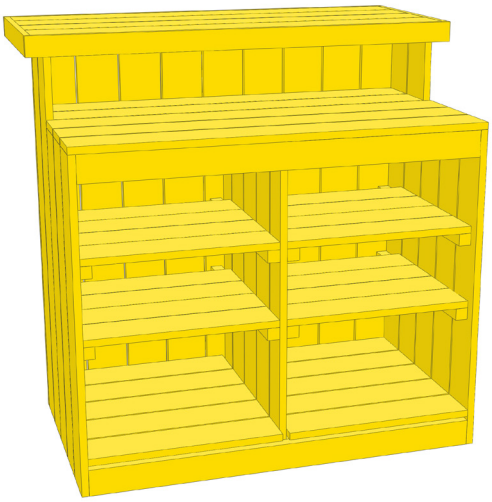
Fill in the bottom of the bar storage with Parts (N), and choose the shelves you'd like to have available. Some space can be left open if a cooler is desired to be placed on the bottom shelf.

Outdoor Bar

FINISHING

YellaWood® Pressure Treated Pine

SECTION 4:
FINISHING



TOOLS

Radial sander
(or sanding block)

YellaWood® brand products provide the best available pressure treated lumber protection against rot, fungal decay, and termites. Sanding edges is recommended to reduce snags and splintering. At a minimum, we recommend annual application of a water repellent. You can also paint or stain it if you prefer.

36 ☐

Ease any sharp edges using a radial sander or sanding block with medium grit. Apply preferred finish to the wood.

CONGRATULATIONS. ENJOY YOUR NEW OUTDOOR BAR!

Outdoor Bar

GALLERY OF IMAGES

YellaWood® Pressure Treated Pine

Outdoor Bar // Hack

PROJECT PLAN

YellaWood® Pressure Treated Pine

Keep the party moving anywhere with this simple hack.

Here is a simple and easy hack for a worry-free method for carrying wine and glasses.

This is one of the simplest hacks, and calls for a single piece of wood. It contains a hole in the middle for the neck of a bottle and four slits at the corners for sliding in wine glasses. After the holes are drilled and the slits are cut, sand the edges and you're ready to entertain with ease.

BUILD TIME

1 HR

DIFFICULTY

●○○○○

COST

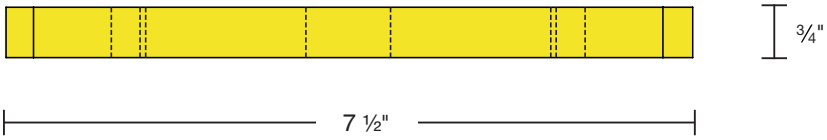
$ $ $ $ $

Outdoor Bar // Hack

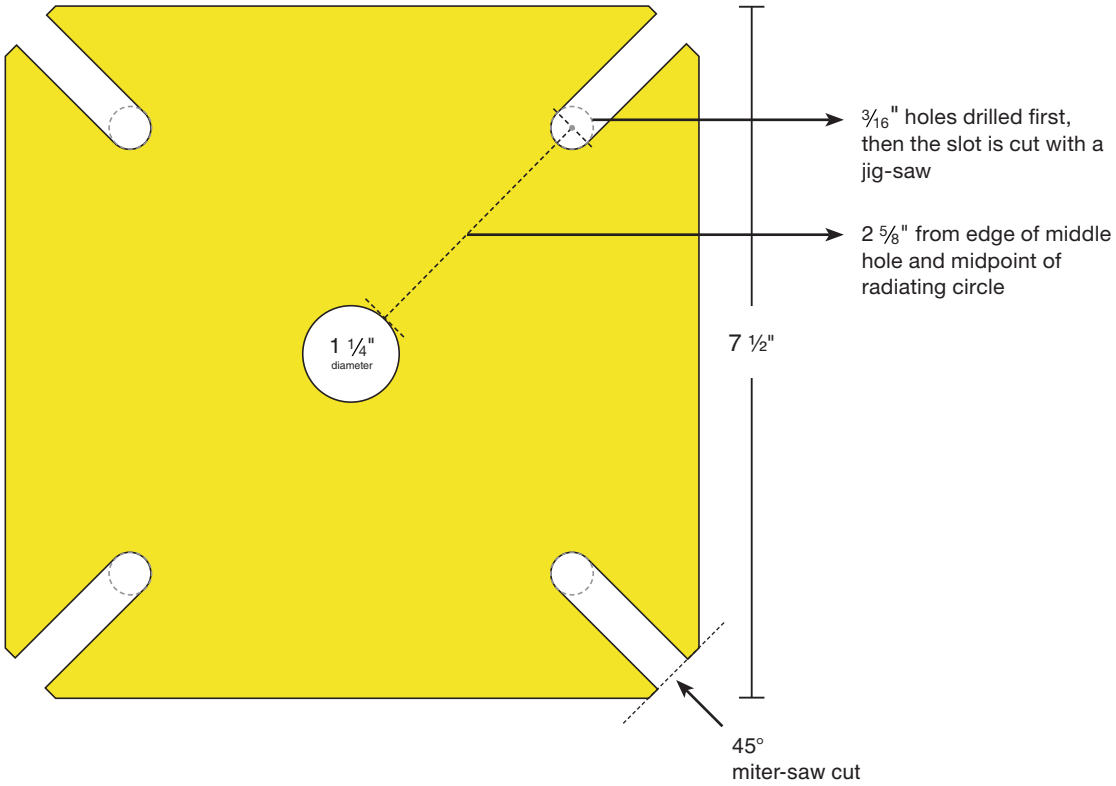
OVERALL SIZE

YellaWood® Pressure Treated Pine

SIDE



TOP



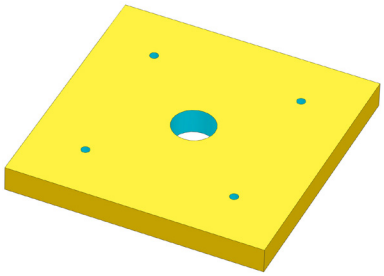
Outdoor Bar // Hack

OVERVIEW OF STEPS

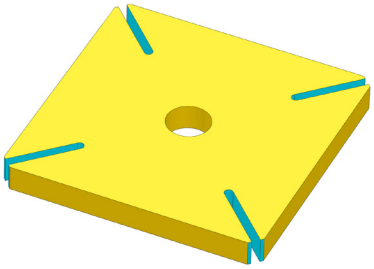
YellaWood® Pressure Treated Pine

SEQUENCE OF BUILD

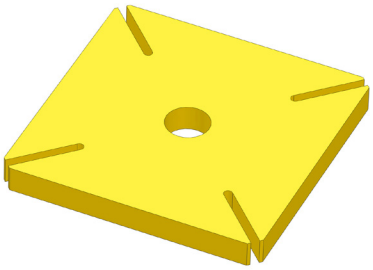
1: HOLES



2: STEM SLOTS



3: FINISHING



BUILD TIME

CUTTING		FINISHING		TOTAL		IN JUST
½ HR	+	½ HR	=	1 HR		6 STEPS

Outdoor Bar // Hack

WHAT YOU'LL NEED

MATERIALS

- ◯ **1x** 1x8x8' YellaWood® brand pressure treated pine

WOOD FINISHING

- ◯ Preferred wood finish

SAFETY EQUIPMENT

- ◯ Work gloves
- ◯ Dust mask
- ◯ Safety glasses
- ◯ Ear protection

Notes:

Consider using YellaWood® brand KDAT and higher grade products to achieve more professional results.

TOOLS


Pencil


Measuring tape


Miter saw (or chop saw)


1 ¼" Hole saw


Jig saw


3⁄16" Drill bit


Clamps


Drill / driver


Radial sander (or sanding block)

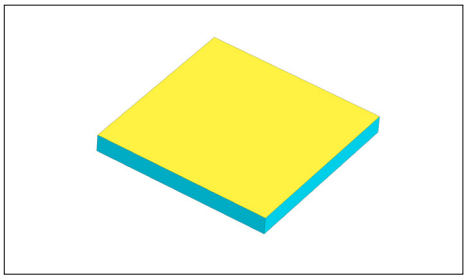
Outdoor Bar // Hack

ASSEMBLY

YellaWood® Pressure Treated Pine

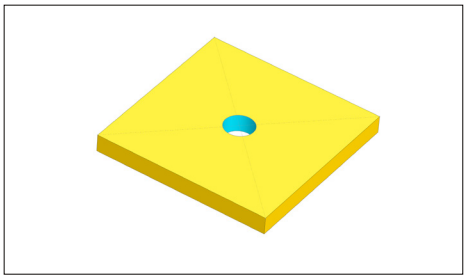
INSTRUCTIONS FOR ALL SECTIONS

1 ☐



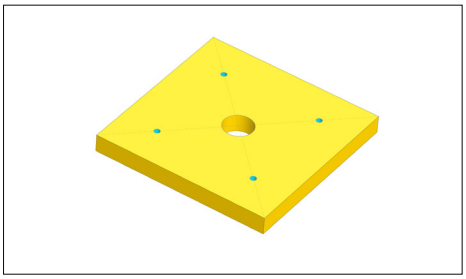
Start by making a square piece out of the 1x8x8' stock by cross-cutting it to the same dimension as its width, or about 7 ½".

2 ☐



Measure and mark the center of the board by lightly penciling two diagonals from each corner. Clamp the piece to a work table and drill this center-point with a 1 ¼" hole-saw.

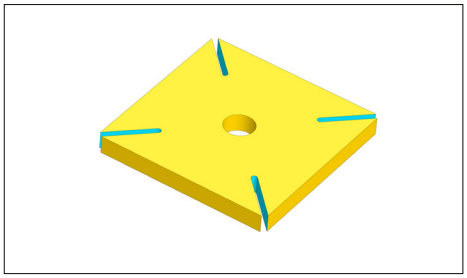
3 ☐



Next, measure and mark four holes on the diagonals using the Diagrams page. Drill with a 3⁄16" bit.

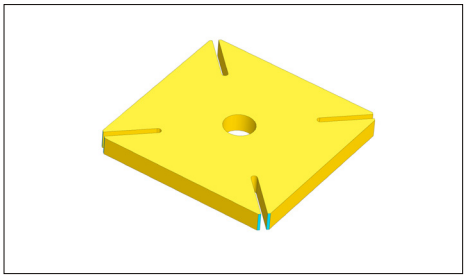
Note: If your glasses are large, move these holes further out so that glass bowls don't hit each other. Test with glasses.

4 ☐



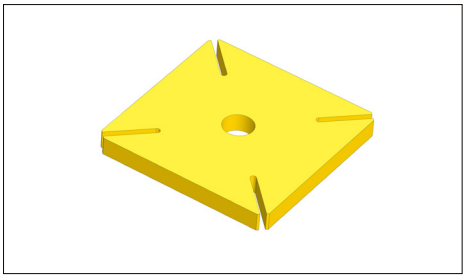
Draw straight lines tangent to the four holes, extending to the corners. Clamp the piece to a work table and insert the jigsaw blade into the 3⁄16" hole or begin at the corner. Follow the line to make the slots for the glass stems. Do this on all four corners.

5 ☐



Finally, use a miter saw set to 45° and chop about ⅛" off of each corner to ease the sharp points. You can also use a sander if desired.

6 ☐



Ease any sharp edges using a radial sander or sanding block with medium grit. Apply preferred finish to the wood. To use, center the piece over the neck of a wine bottle and slide four glasses upside down into the slots. Carry by the wine bottle.

CONGRATULATIONS. ENJOY THE NEW UPGRADE FOR YOUR OUTDOOR BAR!

Outdoor Bar // Hack

GALLERY OF IMAGES

YellaWood® Pressure Treated Pine

Outdoor Bar

FASTENER & HARDWARE INFORMATION

FOR INTERIOR OR EXTERIOR APPLICATIONS

Use fasteners and hardware that are in compliance with the manufacturer's recommendations and the building codes for their intended use. As with any good design and construction practices, treated wood should not be used in applications where trapped moisture or water can occur. Where design and/or actual conditions allow for constant, repetitive or long periods of wet conditions, only stainless steel fasteners should be used.

FOR EXTERIOR APPLICATIONS

The following minimum galvanization levels may be used for connectors, joist hangers, fasteners and other hardware that are placed in direct contact with exterior applications of micronized copper treated wood:

- **Fasteners –** nails, screws, etc. ASTM – A 153 (1 oz/ft²)
- **Hardware –** connectors, joist hangers, etc. ASTM – A 653 G90 (0.90 oz/ft²)

The effects of other building materials within a given assembly, along with environmental factors, should also be considered when selecting the appropriate hardware and fasteners to use for a given project containing treated wood.

Stainless Steel fasteners and hardware are required for Permanent Wood Foundations below grade and are recommended for use with treated wood in other severe exterior applications such as swimming pools, salt water exposure, etc. Type 304 and 316 are recommended grades to use.

ALUMINUM

Aluminum building products may be placed in direct contact with YellaWood® brand products used for interior uses and above ground exterior applications such as decks, fencing, and landscaping projects. Examples of aluminum products include siding, roofing, gutters, door and window trim, flashing, nails, fasteners and other hardware connectors. However, direct contact of treated products and aluminum building products should be limited to code-compliant construction applications that provide proper water drainage and do not allow the wood to be exposed to standing water or water immersion.

We recommend you contact the aluminum building products manufacturer for its recommendations regarding use of its aluminum products in contact with treated wood in ground contact applications or when exposed to salt water, brackish water, or chlorinated water, such as swimming pools or hot tubs.

Also check with the aluminum building products manufacturer regarding compatibility with other chemicals and cleaning agents and the use of their aluminum products in commercial, industrial, and specialty applications such as boat construction.

Outdoor Bar

IMPORTANT INFORMATION

YellaWood® Pressure Treated Pine

- Consult the end tag to determine which preservative or preservative system was used in the treatment of that particular product. YellaWood® brand products may be used in direct contact with aluminum building products when limited to code-compliant construction applications that provide proper water drainage and do not allow the wood to be exposed to standing water or water immersion.
- Use fasteners and other hardware that are in compliance with building codes for the intended use.
- Do not burn preserved wood.
- Wear a dust mask and goggles when cutting or sanding wood.
- Wear gloves when working with wood.
- Some preservative may migrate from the treated wood into soil/water or may dislodge from the treated wood surface upon contact with skin.
- Wash exposed skin areas thoroughly.
- All sawdust and construction debris should be cleaned up and disposed of after construction.
- Wash work clothes separately from other household clothing before reuse.
- Preserved wood should not be used where it may come into direct or indirect contact with drinking water, except for uses involving incidental contact such as fresh water docks and bridges.
- Do not use preserved wood under circumstances when the preservative may become a component of food, animal feed or beehives.
- Do not use preserved wood as mulch.
- Only preserved wood that is visibly clean and free of surface residue should be used. If the wood is to be used in an interior application and becomes wet during construction, it should be allowed to dry before being covered or enclosed.
- Mold growth can and does occur on the surface of many products, including untreated and treated wood, during prolonged surface exposure to excessive moisture conditions. To remove mold from the treated wood surface, wood should be allowed to dry. Typically, mild soap and water can be used to remove remaining surface mold. For more information, visit www.epa.gov.
- Projects should be designed and installed in accordance with federal, state and local building codes and ordinances governing construction in your area, and in accordance with the National Design Specification® (NDS) and the Wood Handbook.

DISPOSAL RECOMMENDATIONS

Preserved wood may be disposed of in landfills or burned in commercial or industrial incinerators or boilers in accordance with federal, state and local regulations.