

Freestanding Hammock

PROJECT PLAN

YellaWood
Pressure Treated Pine



Construct a sleek and sturdy freestanding hammock and start extending outdoor downtime.

The simple geometry and clean lines of this project add aesthetic value to any yard. The inset platform floats above the ground and allows the ebb and flow of wind to gently sway its occupants.

The hammock features strong joinery utilizing 4x4 wood stock for the wall columns, has braces at the corners for added stability, and takes advantage of rope connections to gracefully suspend the bed platform.

You can customize this piece as little or as much as you'd like – adding a simple pad on the platform makes it ready to enjoy, or you can dress it up with curtain rods and fabric. Add a rug below the platform and pillows for a comfy, home-away-from-home appeal.

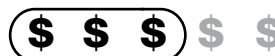
BUILD TIME

13
HRS

DIFFICULTY



COST



BuildYella.com

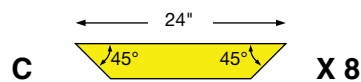
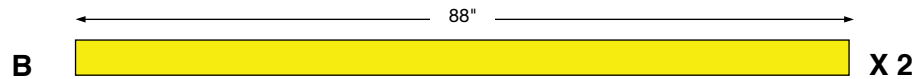
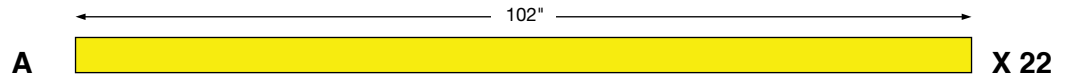
Freestanding Hammock

YellaWood
Pressure Treated Pine

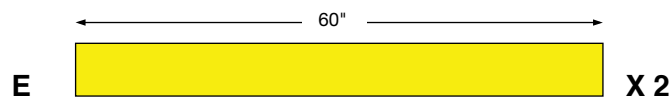
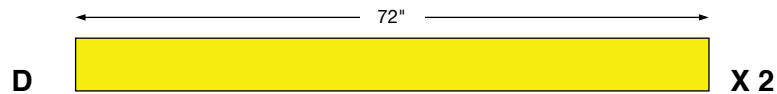
WHAT YOU'LL NEED

CUTLIST

A - C:
Cut from 4x4 stock

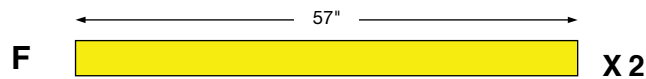


D - E:
Cut from 2x6 stock

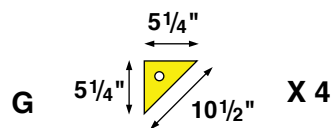


Note: The notches call for a $\frac{7}{8}$ " x $\frac{7}{8}$ " cutout, but measure the thickness of your $\frac{5}{4}$ stock and adjust the cut so that the board will sit flush.

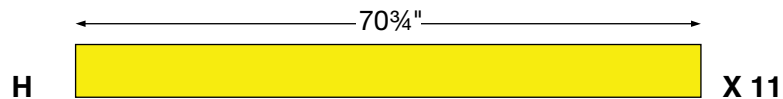
F:
Cut from 2x4 stock



G:
Cut from 2x6 stock



H:
Cut from $\frac{5}{4}$ x6 stock



I:
Rope



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WHAT YOU'LL NEED

SUPPLIES

WOOD STOCK

26x 4x4x10'

5x 2x6x8'

1x 2x4x12'^{*}

6x 5/4x6x12'

^{*}OR **2x** 2x4x8'

HARDWARE

1 LB BOX

2" Wood screws (to attach decking planks)
6" Torx-head wood screws (to attach structure)

~ 30 EACH

16-gauge 2" nails

OTHER

1x 3/4" or 1" x 40' rope
4x 3/4" or 1/2" stainless steel conduit hanger^{**}
YellaWood Protector[®] Stain & Sealer

^{**} use 3/4" or 1" rope with corresponding conduit hanger to make sure rope fits very tightly within the hanger. Select the rope and hanger whose load rating suits your needs.

TOOLS



Miter saw
(or hand or circular saw)

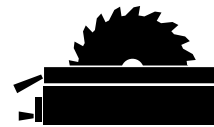


Table saw



Drill/driver



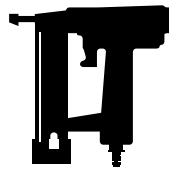
1/4" Drill bit



Miter square



Measuring tape



Nail gun



Socket or
crescent wrench



1/2" Forstner bit



Paint/Stain
Brush

BUILD TIME

CUTTING

3
HRS

+

ASSEMBLY

8
HRS

+

FINISHING

2
HRS

=

TOTAL

13
HRS

Freestanding Hammock

ASSEMBLED VIEW

YellaWood[®]
Pressure Treated Pine

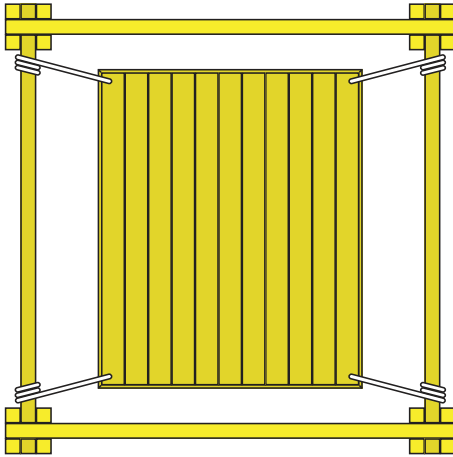


Freestanding Hammock

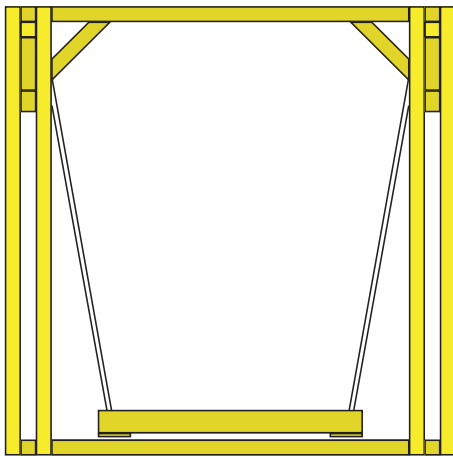
DIMENSIONS & DIAGRAMS

YellaWood
Pressure Treated Pine

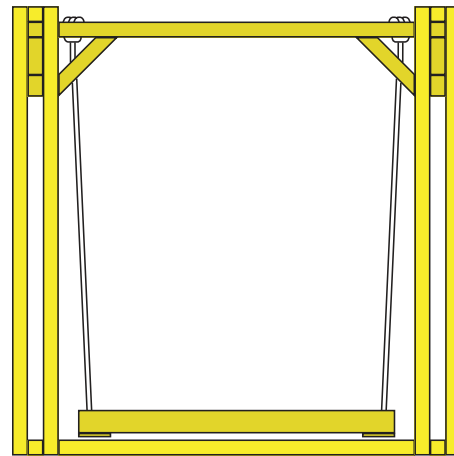
TOP



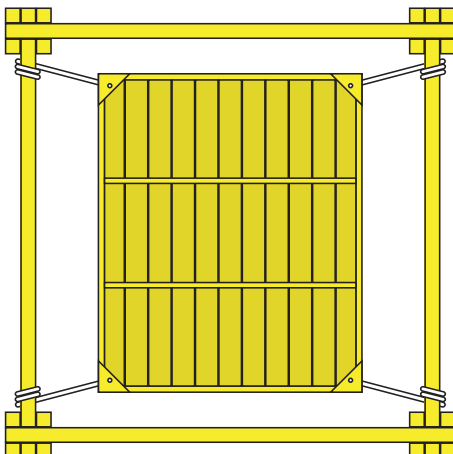
LEFT



RIGHT



~102"



BOTTOM

Notes:

All measurements are approximate.
Cut stock in the correct sequence of steps because many dimensions are directly measured and will vary based on actual stock and construction.

Board dimensions can vary, so be sure to **measure your stock.**

Freestanding Hammock

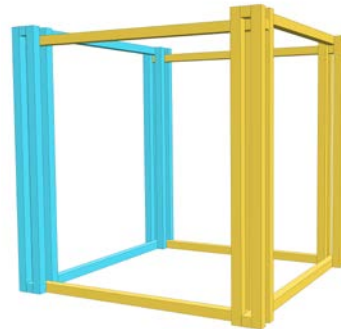
OVERVIEW OF STEPS

YellaWood
Pressure Treated Pine

1: RIGHT WALL



2: LEFT WALL



3: BRACES



4: PLATFORM



5: ROPE SUSPENSION



6: FINISHING & ACCESSORIES



Freestanding Hammock

DIMENSIONS & DIAGRAMS

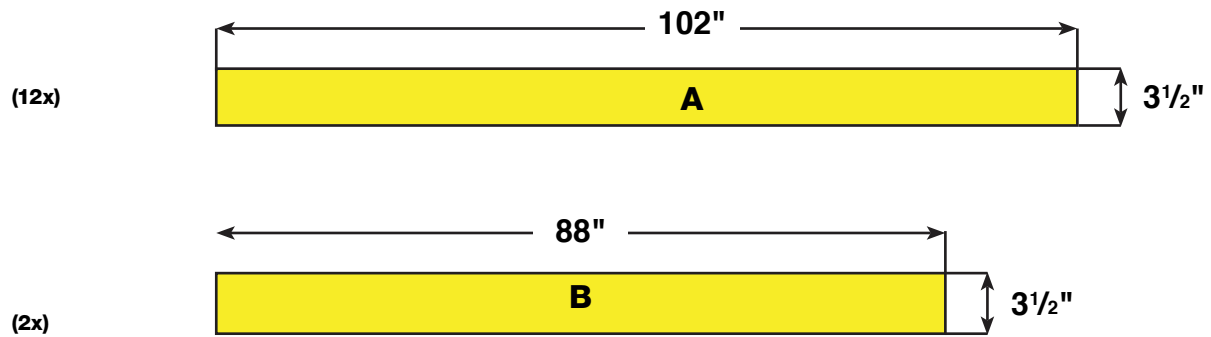
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STEP 1: RIGHT WALL



CUTLIST

4x4 STOCK



Cuts: For each step, you can pre-cross-cut all of the pieces listed in the Cutlist for each section.

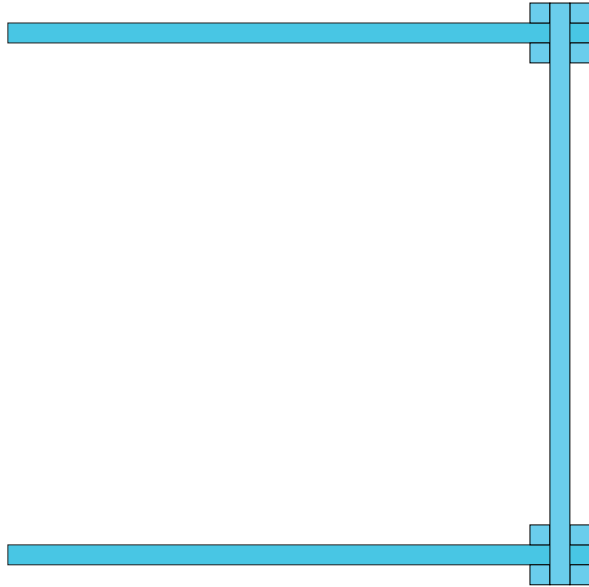
Freestanding Hammock

DIMENSIONS & DIAGRAMS

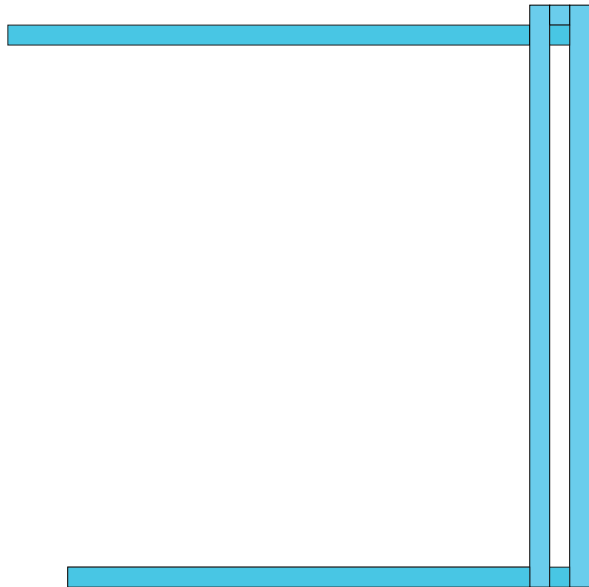
YellaWood[®]
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ASSEMBLY VIEW RIGHT WALL

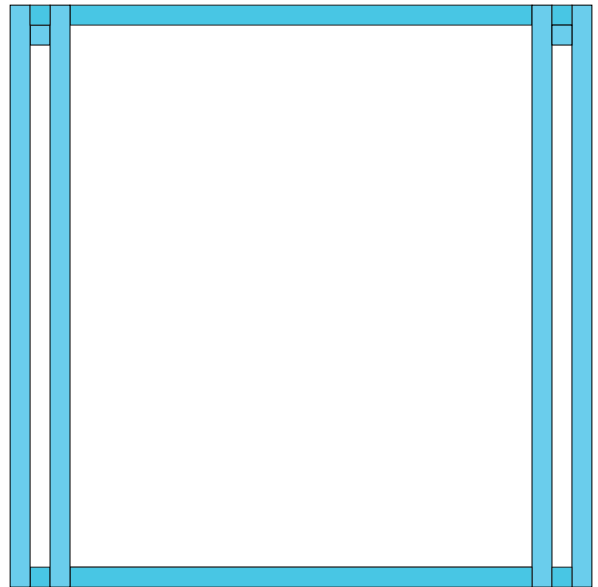
TOP



FRONT



RIGHT



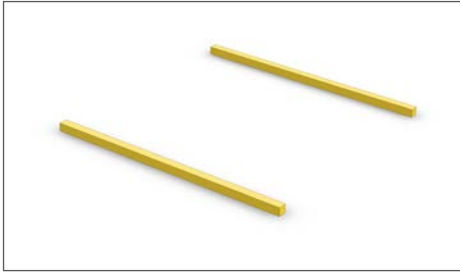
Freestanding Hammock

BUILDING

YellaWood
Pressure Treated Pine

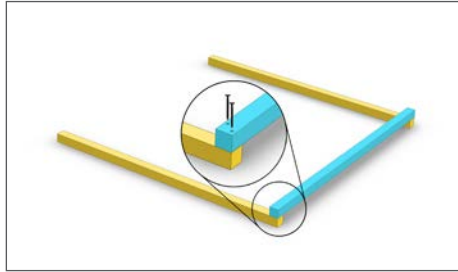
STEP 1: RIGHT WALL

1



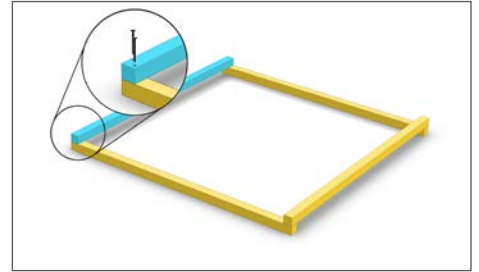
First, cut boards (A) and (B) using a miter saw. To make a part with two clean faces, cut 1" off one end, then measure and cut to 102" at the other end. Lay out two parallel parts (A) on the ground about 102" apart.

2



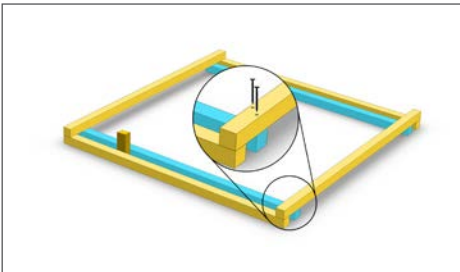
At one end of the parallel boards, place part (A) on top of them, keeping the edges flush. This will act as a cross-member. Pre-drill first, then screw into the other (A) boards using 6" screws.

3



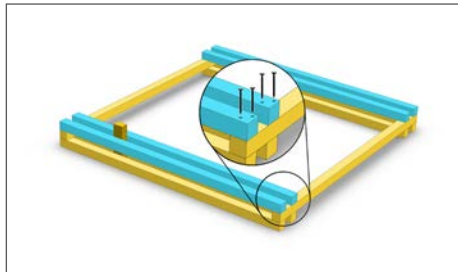
Use a miter square to ensure angles are at 90°. Repeat Step 1, Part 2 at the other end. The four pieces should form a square.

4



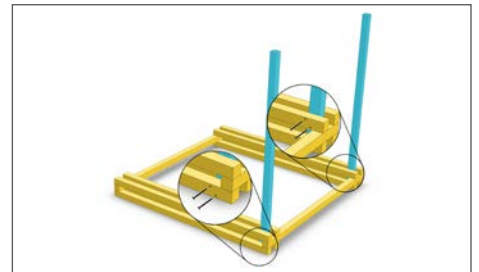
Next, add another part (A) next to the one already on the ground. Use a scrap piece of 4x4 as a spacer. Pre-drill and attach all the parts with screws. Then repeat on the other side.

5



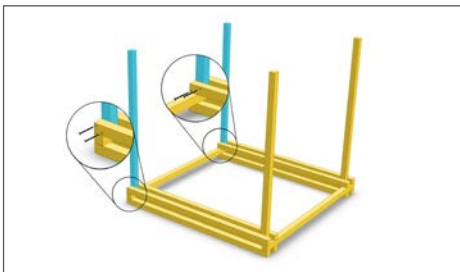
Add four more parts (A) on top of the assembly. These four parts are positioned directly over the four parts (A) on the ground. Pre-drill and attach all the parts with screws.*

6



You'll now attach vertical cross-members. First, take two parts (A) and attach them as shown. Pre-drill and use screws to attach them.

7



Now, attach two parts (B) at the opposite end. These rest on the cross-members from Step 1, Part 2. You will now have the right wall assembled.

*TIP

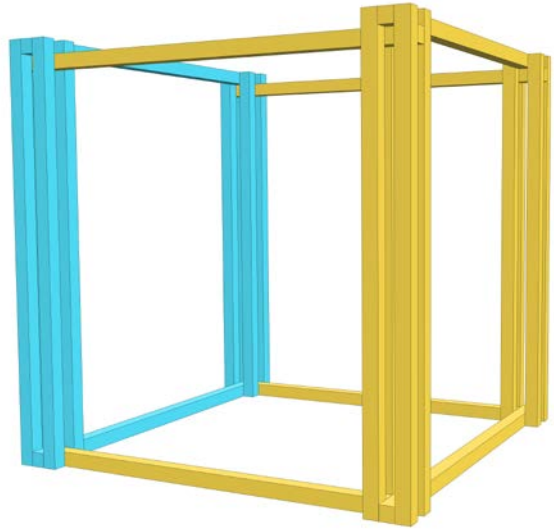
Alternating screw patterns is recommended to avoid the intersection of existing screws.

Freestanding Hammock

DIMENSIONS & DIAGRAMS

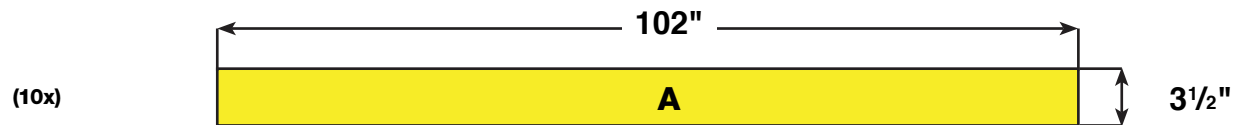
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STEP 2: LEFT WALL



CUTLIST

4x4 STOCK



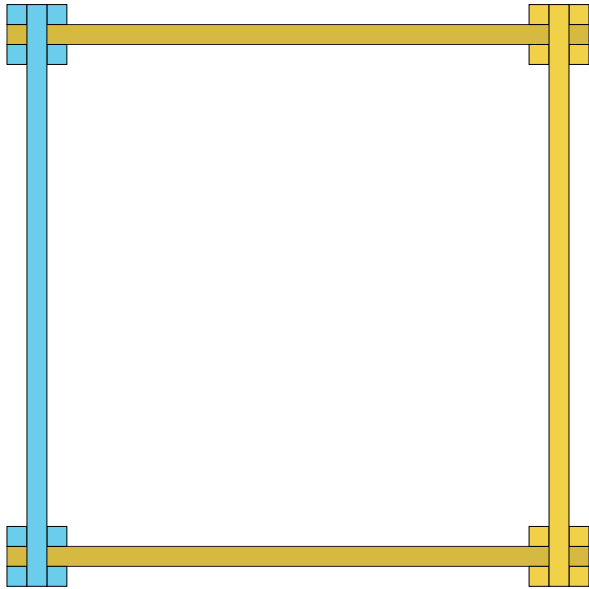
Freestanding Hammock

DIMENSIONS & DIAGRAMS

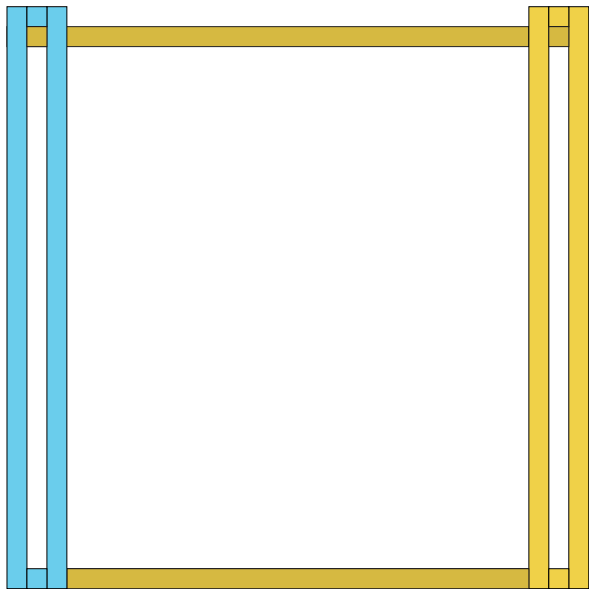
YellaWood
Pressure Treated Pine

ASSEMBLY VIEW LEFT WALL

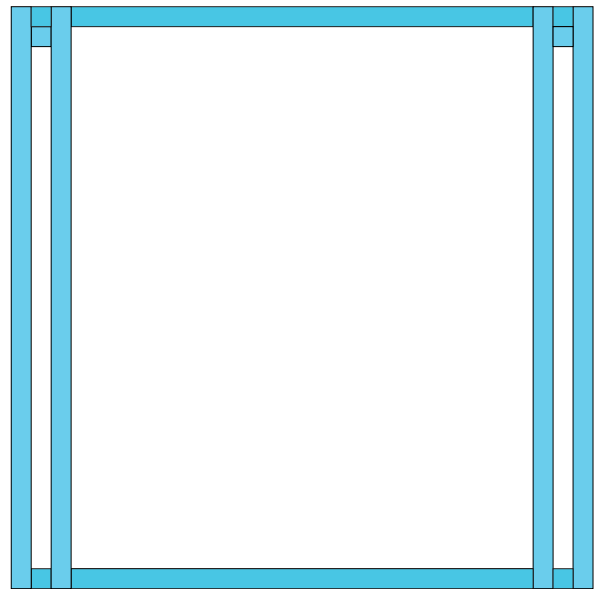
TOP



FRONT



RIGHT



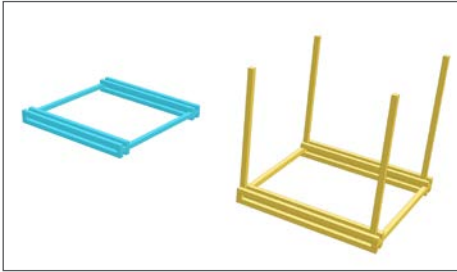
Freestanding Hammock

BUILDING

YellaWood
Pressure Treated Pine

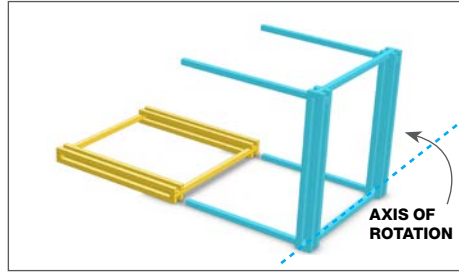
STEP 2: LEFT WALL

8



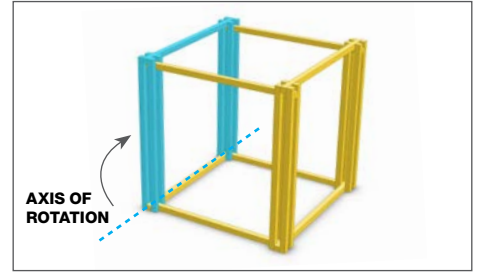
To create the left wall, repeat Step 1, Parts 1-5 (see pg. 9). It will be identical to the right wall, except with no vertical beams.

9



Now, tip the right wall assembly 90° toward the left wall assembly. Part (B) should be on the ground now.

10



Tip the left wall assembly 90° toward the right wall assembly. This left wall assembly should line up with the cross-members. Pre-drill and use 6" screws to attach the left wall assembly to the right wall assembly.

Freestanding Hammock

DIMENSIONS & DIAGRAMS

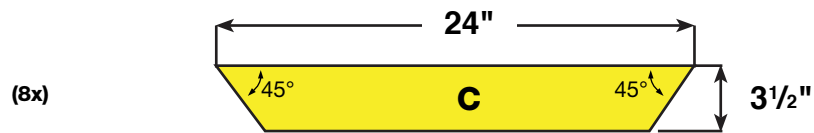
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Pressure Treated Pine

STEP 3: BRACES



CUTLIST

4x4 STOCK



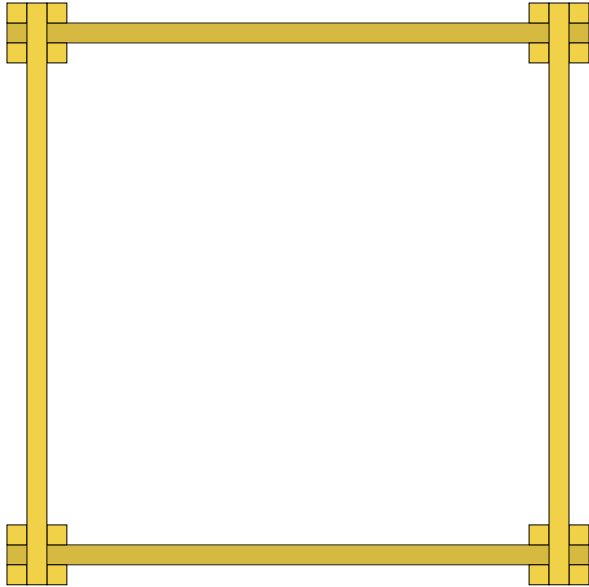
Freestanding Hammock

DIMENSIONS & DIAGRAMS

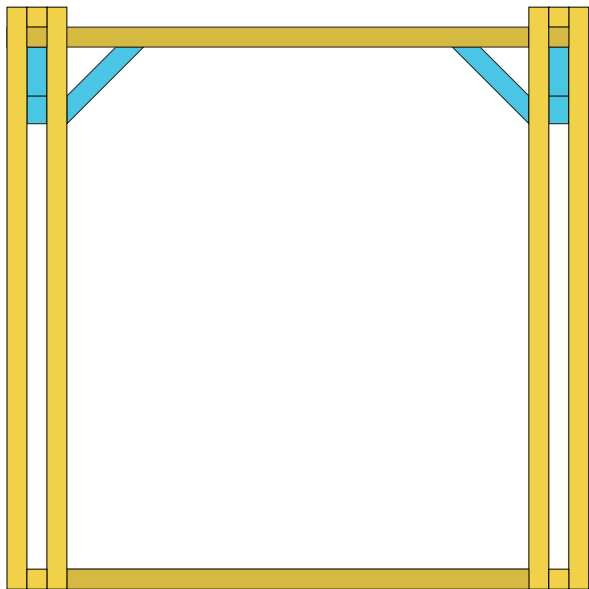


ASSEMBLY VIEW BRACES

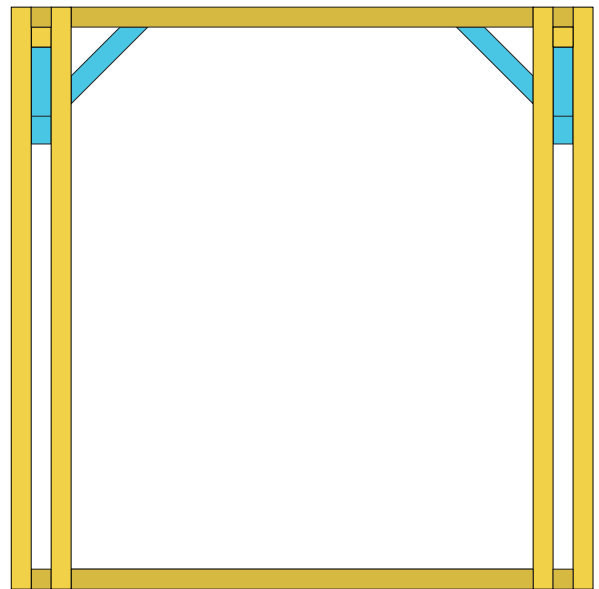
TOP



FRONT



RIGHT



Freestanding Hammock

BUILDING

YellaWood
Pressure Treated Pine

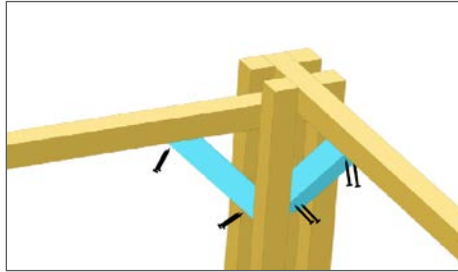
STEP 3: BRACES

11



Cut parts (C) using a miter saw. At each corner of the structure, there will be two braces (C).

12



Each brace will join the vertical posts (A) to the horizontal cross-members (A). Attach them using 6" screws into the 4x4 beams at an angle. Use 2 screws at each end, for a total of 4 screws per (C) part.

13



There are a total of 8 braces to complete the structure.

Freestanding Hammock

DIMENSIONS & DIAGRAMS

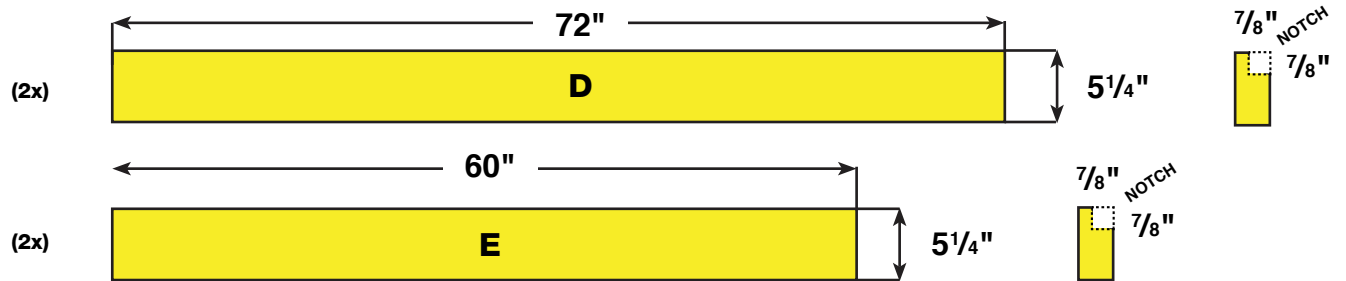
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STEP 4: PLATFORM

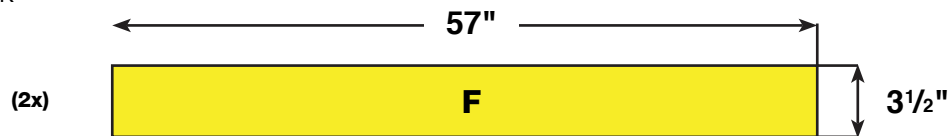


CUTLIST

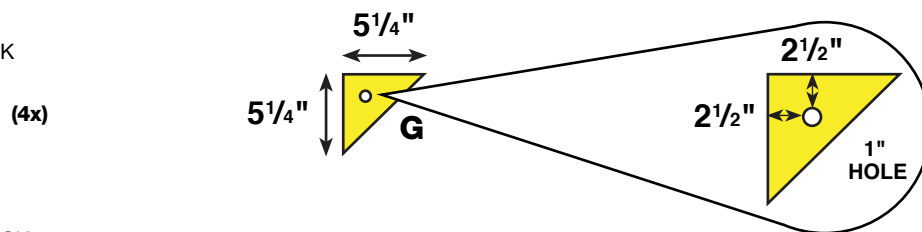
2x6 STOCK



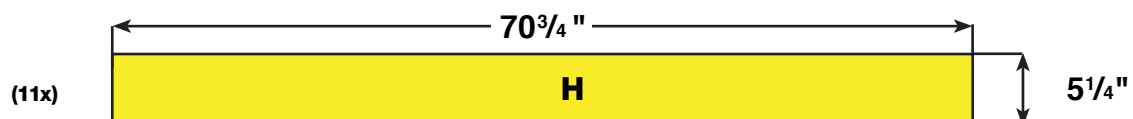
2x4 STOCK



2x6 STOCK



5/4x6 STOCK



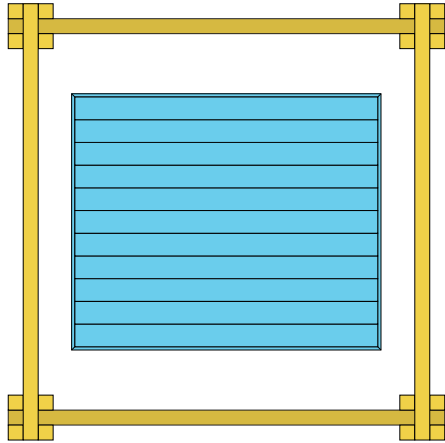
Freestanding Hammock

DIMENSIONS & DIAGRAMS

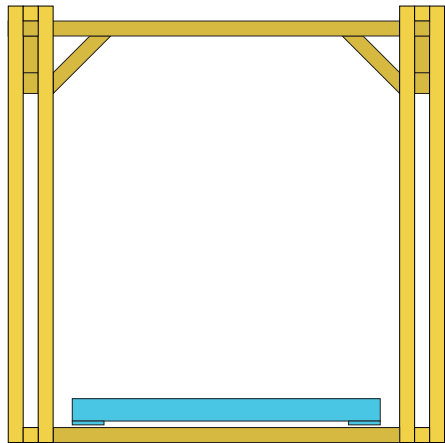


ASSEMBLY VIEW PLATFORM

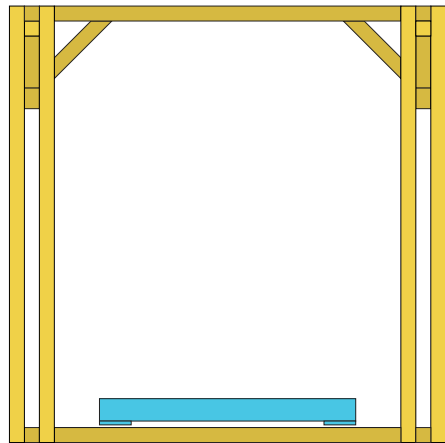
TOP



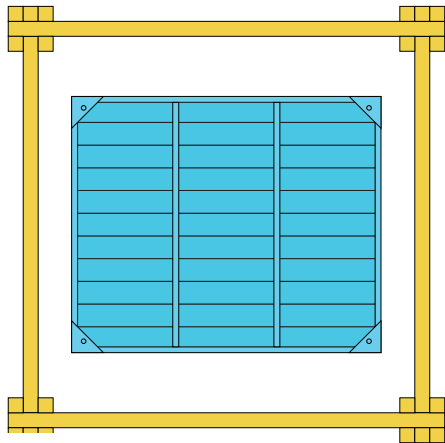
FRONT



LEFT



BOTTOM

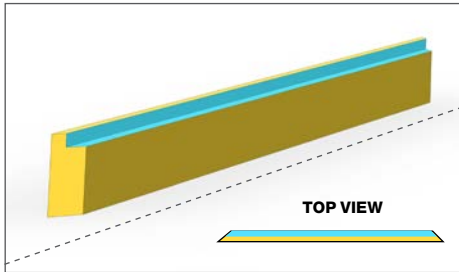


Freestanding Hammock

BUILDING

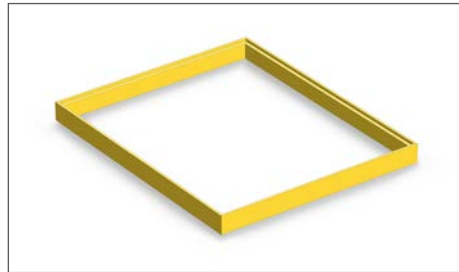
STEP 4: PLATFORM

14



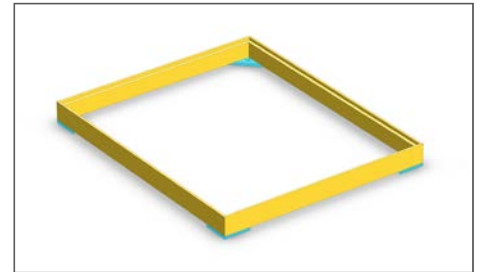
Cross-cut boards (D), (E) to the proper dimensions, noting their 45° angle on each end. They require a recessed lip along their lengths. Using a table saw, cut a 7/8" x 7/8" notch into the inside edge along the top.

15



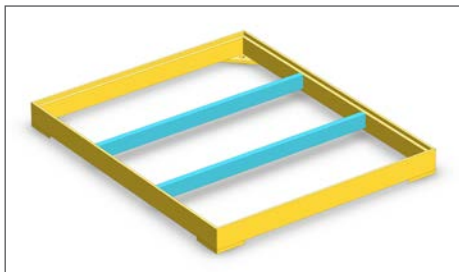
Use a nail gun and tack parts (D) and (E) together, and then attach with 2" screws.

16



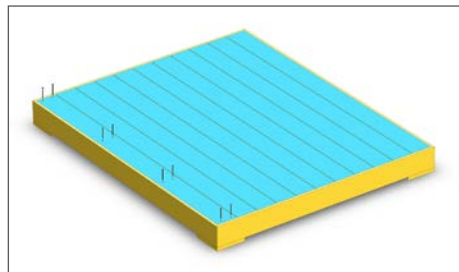
Then, cut parts (G) and drill a 1" hole in each part. Attach to the bottom of the platform using 2" screws.

17



To complete the frame for the platform, evenly space the two parts (F) to the two parts (E) and attach, ensuring the tops of (F) are flush with the bottom of the notch. Pre-drill and use 2" screws to hold them together.

18



Next, attach the eleven boards (H). They rest in the shelf you made in parts (D) and (E). At both ends of the board, screw into parts (D). Also screw into supports (F).

Freestanding Hammock

DIMENSIONS & DIAGRAMS

YellaWood
Pressure Treated Pine

STEP 5: SUSPENSION ROPES



CUTLIST

ROPE
(APPROX. 10' PER SECTION)



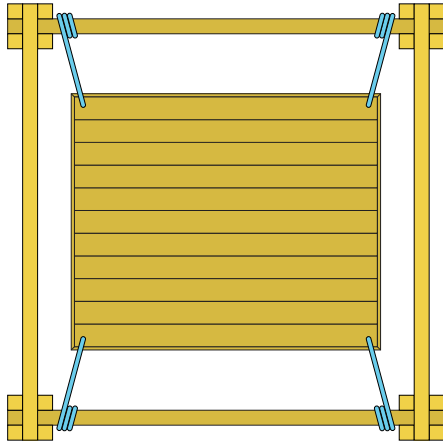
Freestanding Hammock

DIMENSIONS & DIAGRAMS

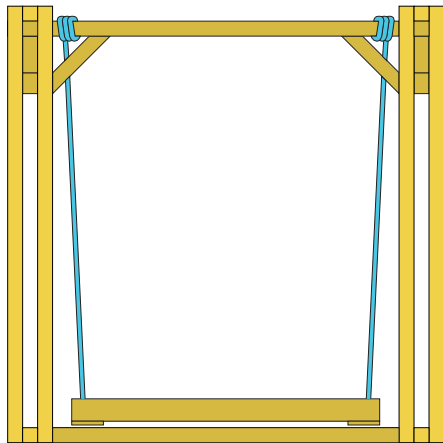


ASSEMBLY VIEW SUSPENSION ROPES

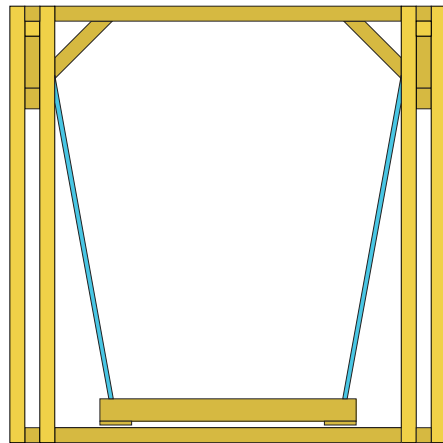
TOP



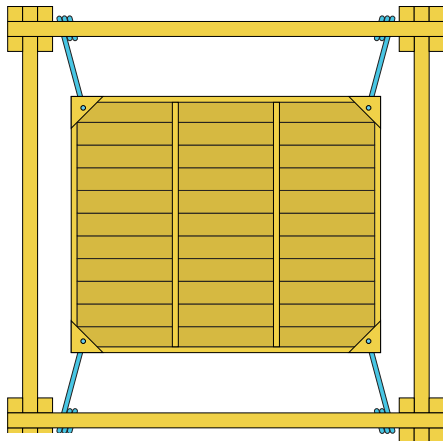
FRONT



LEFT



BOTTOM

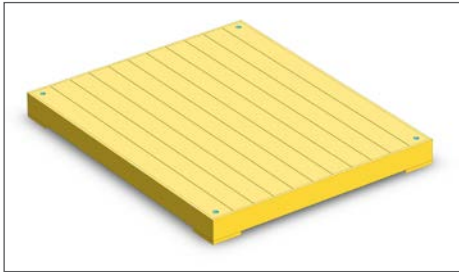


Freestanding Hammock

BUILDING

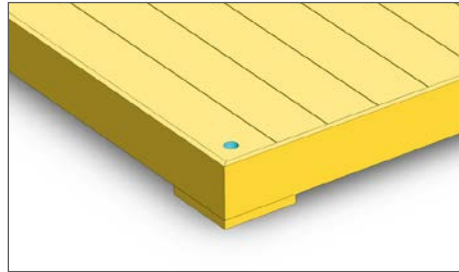
STEP 5: SUSPENSION ROPES

19



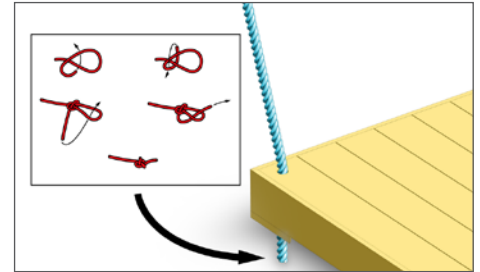
At each corner of the platform, mark the center of a circle at 2 1/2" x 2 1/2" from the corner, and drill holes using a 1" Forstner bit. These holes will align with the holes you drilled in parts (G) to accommodate the rope.

20



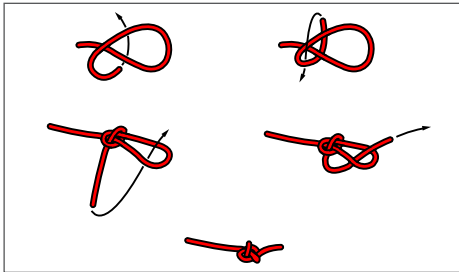
Take a scrap piece of sandpaper and smooth the edges of all holes to prevent the rope from fraying.

21



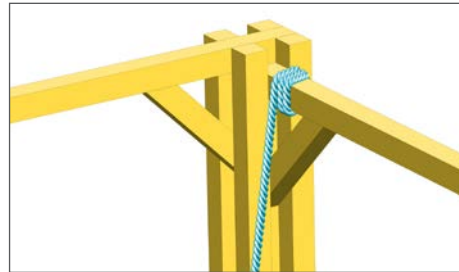
To suspend the platform from the structure, you'll need a 10' section of rope at each corner. Tie a stopper knot in one end (see diagram), then thread it through the holes in the platform from the bottom. Do this for all corners.

22



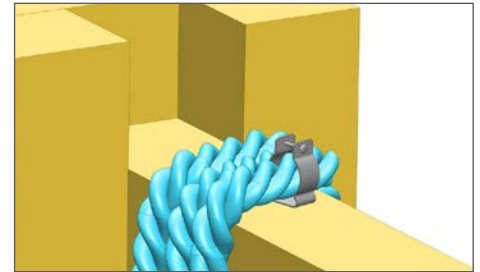
(Close-up of how to tie a stopper knot.)

23



Take the other end of the rope and wrap it around the horizontal supports (A) three times.

24



Using your conduit hanger, secure the end of the rope to the horizontal support (A). Attach hanger first with a screw, and then pull rope through. Repeat this step for the other corners.

25



Place a level on the platform and fine-tune level in all directions. Once it is, tighten the nut on the hanger the rest of the way.

Freestanding Hammock

DIMENSIONS & DIAGRAMS

YellaWood®
Pressure Treated Pine

FINISHING & ACCESSORIES



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.

26



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

27



Place the mattress pad of your choice onto the platform and decorate with pillows, blankets, and even curtains if you wish. (You can spray fabrics with Scotchgard to add a layer of protection from outdoor elements.)

28



We recommend long lasting YellaWood Protector® semi-transparent stain and water repellent wood sealer, the only stain backed by the famous Yella Tag. Follow manufacturer's recommendations for application.

CONGRATULATIONS. ENJOY YOUR BEAUTIFUL NEW FREE STANDING HAMMOCK!

Freestanding Hammock

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.

YellaWood® brand pressure treated products are treated with preservatives (the "Preservatives") and preservative methods and technologies of unrelated third parties. For details regarding the Preservatives, methods, and technologies used by Great Southern Wood Preserving, Incorporated, see www.yellowood.com/preservative or write us at P.O. Box 610, Abbeville, AL 36310. Ask dealer for warranty details. For warranty or for important handling and other information concerning our products including the appropriate Safety Data Sheet (SDS), please visit us at www.yellowood.com/warranties or write us at P.O. Box 610, Abbeville, AL 36310. YellaWood®, YellaWood Protector® and the yellow tag are federally registered trademarks of Great Southern Wood Preserving, Incorporated.

Great Southern Wood Preserving, Incorporated makes no warranties expressed or implied as to the fitness for a particular purpose of this plan.

Freestanding Hammock

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 Specifications (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.