Daybed

PROJECT PLAN

YellaWood® Pressure Treated Pine

Craft a comfortable and sturdy outdoor retreat.

The daybed fits a twin mattress pad and it has built-in magazine and book racks on the sides. The design features notched legs and strong joints that make for a sturdy piece of furniture that will last.

You'll start with the construction of the legs, then move on to the platform and its decking. Then you'll finish the assembly by laying up the side, back, and top planks. Make sure to take proper safety precautions including always wearing gloves, goggles and a dust mask when you're cutting or sanding.

BUILD TIME

13 HRS

DIFFICULTY

●●●●○

WATCH THE VIDEO

YellaWood.com/projects

Daybed

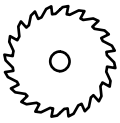
WHAT YOU'LL NEED

YellaWood® Pressure Treated Pine

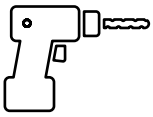
TOOLS

Miter saw (or hand or circular saw)

Table saw



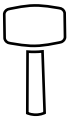
Dado blade & miter gauge for table saw



Drill / driver

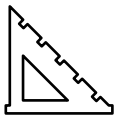
1/8" counter-sink drill bit

Measuring tape



Mallet

Clamps

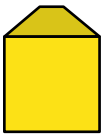


Carpenter's Square

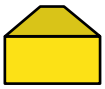
Damp rag (to wipe excess glue)

SUPPLIES

2x
4x4-8' YellaWood® Pressure Treated Lumber

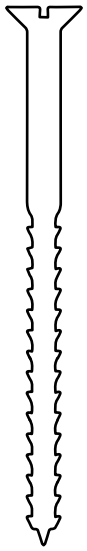


6x
2x4-8' YellaWood® Pressure Treated Lumber

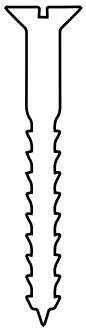


22x
1x4-8' YellaWood® Pressure Treated Lumber

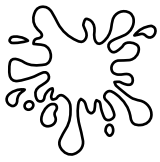
200x
3" Galvanized Deck Screws



200x
1-5/8"Galvanized Deck Screws



Waterproof wood glue



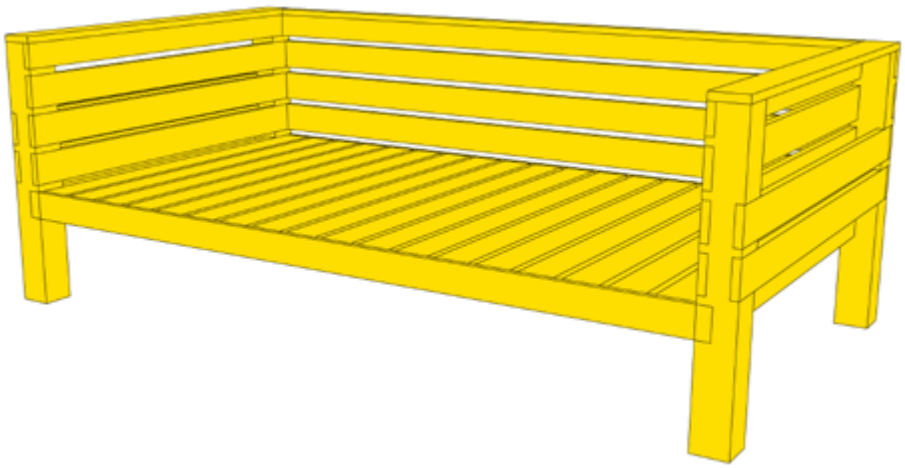
BUILD TIME

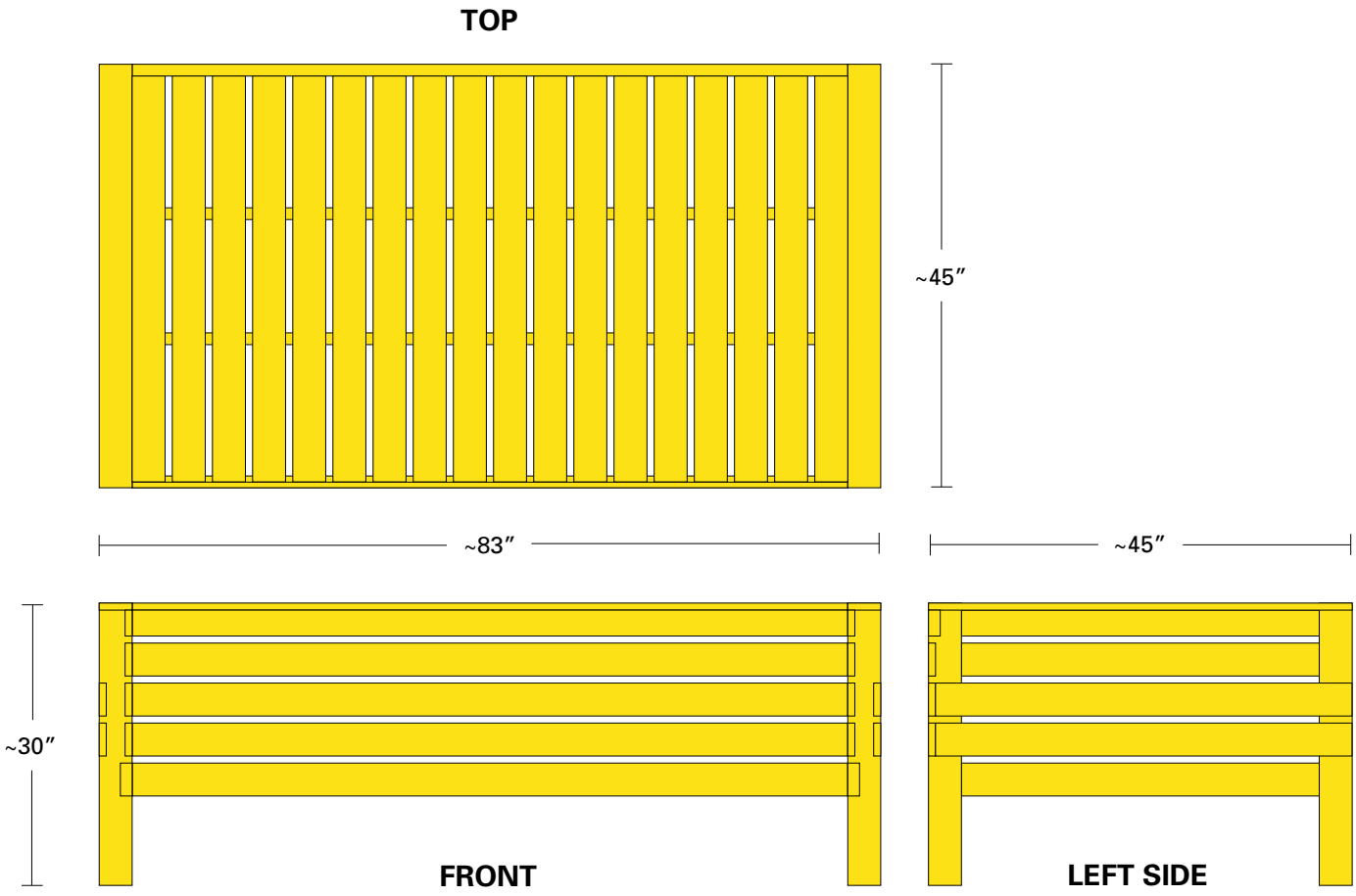
Cutting		Assembly		Finishing		Total
5 HRS	+	5 HRS	+	3 HRS	=	13 HRS

Daybed
DIMENSIONS & DIAGRAMS

YellaWood® Pressure Treated Pine

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



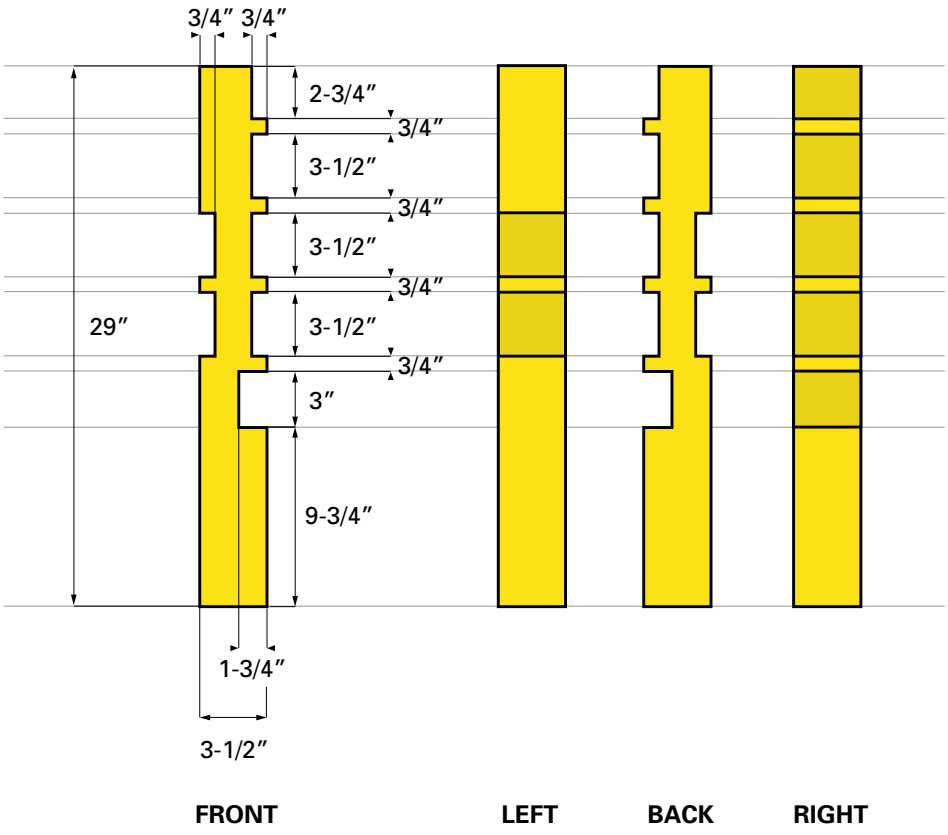


Daybed
DIMENSIONS & DIAGRAMS

YellaWood® Pressure Treated Pine

LEGS: Front Left
SIDE VIEW

(4x) 4x4 stock
* Stock dimensions vary. Directly measure all cutouts to fit your stock exactly.

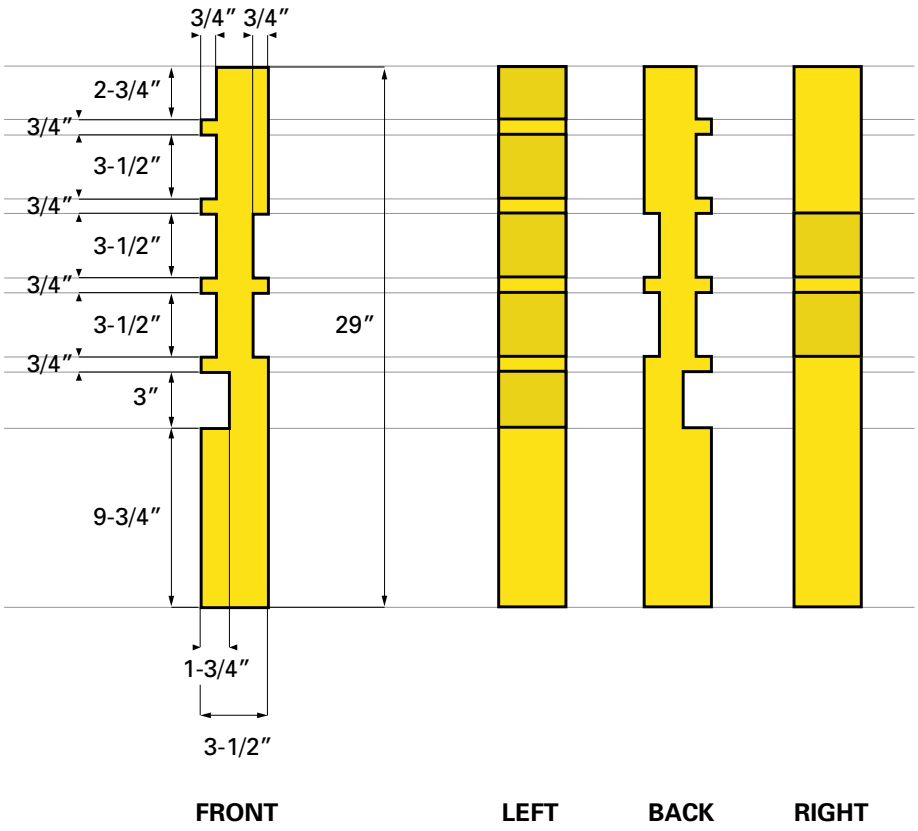


Daybed
DIMENSIONS & DIAGRAMS

YellaWood® Pressure Treated Pine

LEGS: Front Right
SIDE VIEW

(4x) 4x4 stock
* Stock dimensions vary. Directly measure all cutouts to fit your stock exactly.

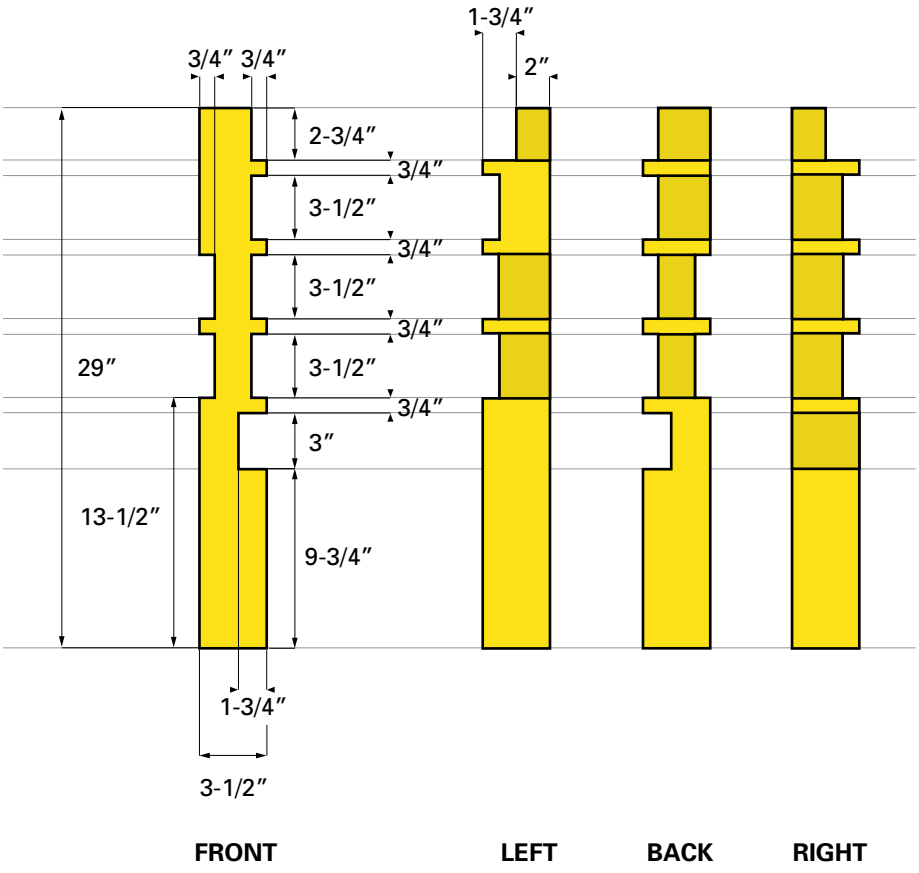


Daybed
DIMENSIONS & DIAGRAMS

YellaWood® Pressure Treated Pine

LEGS: Back Left
SIDE VIEW

(4x) 4x4 stock
* Stock dimensions vary. Directly measure all cutouts to fit your stock exactly.

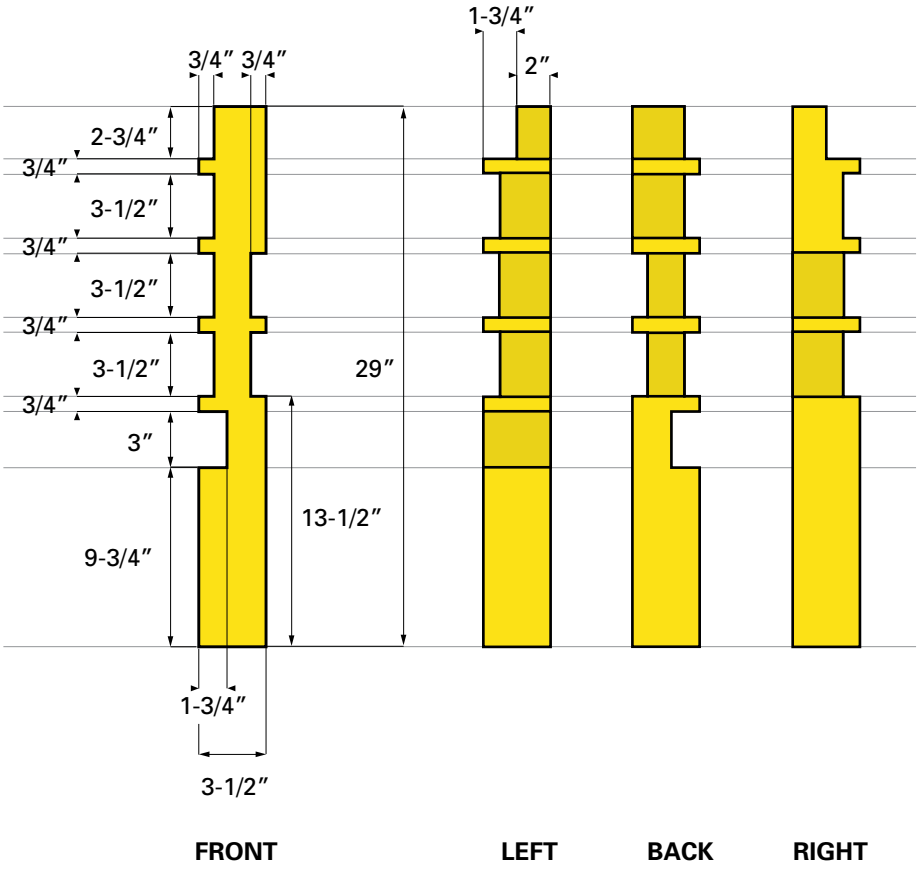


Daybed
DIMENSIONS & DIAGRAMS

YellaWood® Pressure Treated Pine

LEGS: Back Right
SIDE VIEW

(4x) 4x4 stock
* Stock dimensions vary. Directly measure all cutouts to fit your stock exactly.

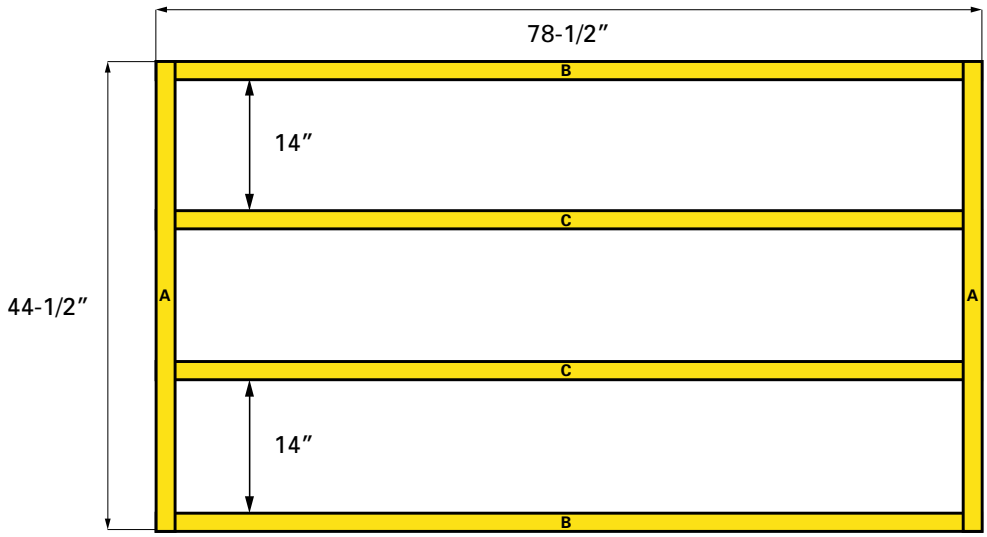


Daybed
DIMENSIONS & DIAGRAMS

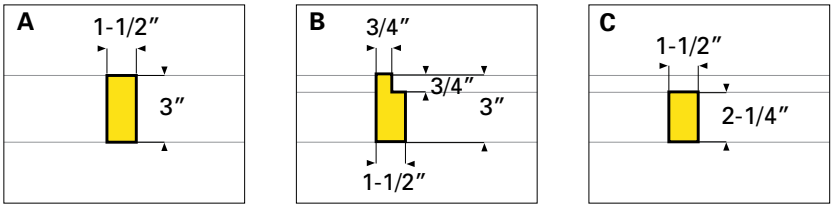
YellaWood® Pressure Treated Pine

PLATFORM
TOP VIEW

Frame
(6x) 2x4 stock



FRAME DETAIL
CROSS SECTIONS

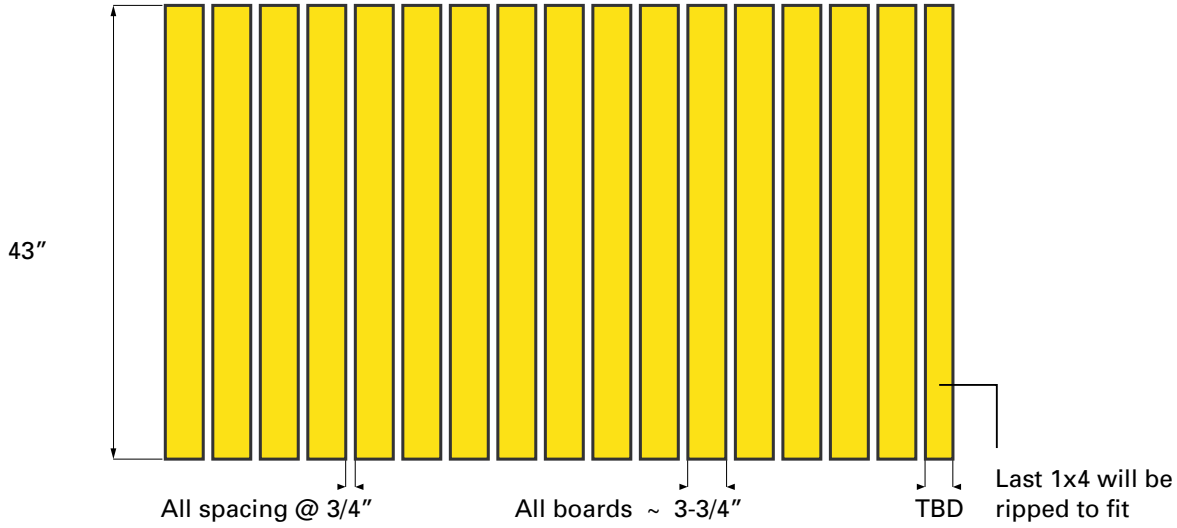


Daybed
DIMENSIONS & DIAGRAMS

YellaWood® Pressure Treated Pine

PLATFORM
TOP VIEW

Decking
(18x) 1x4 stock



Daybed
DIMENSIONS & DIAGRAMS

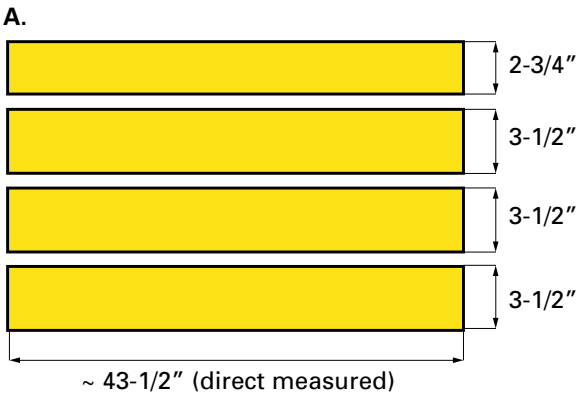
YellaWood® Pressure Treated Pine

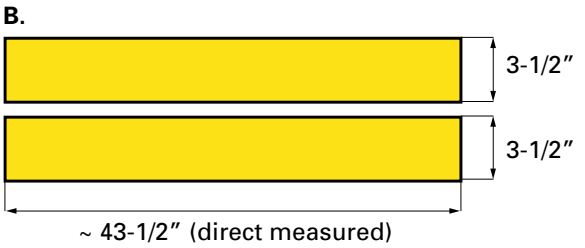
SIDES
TOP VIEW

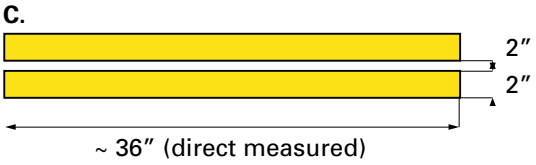
A.
Inside Slats
(4x) 1x4 stock

B.
Outside Slats
(2x) 1x4 stock

C.
Outside Shelf Bottom
(2x) 1x4 stock







Daybed
DIMENSIONS & DIAGRAMS

YellaWood® Pressure Treated Pine

BACK & TOPS
TOP VIEW

A.
Top Slat
(1x) 2x4 stock

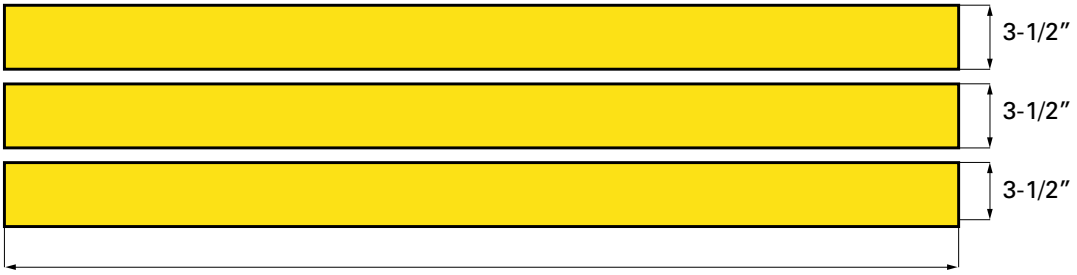
B.
Bottom Slats
(4x) 1x4 stock

C.
Back Cap Piece
(1x) 1x4 stock

D.
Side Cap Pieces
(2x) 1x4 stock

A.

B.



~ 83″ (direct measured)

C.

~ 76″ (direct measured)

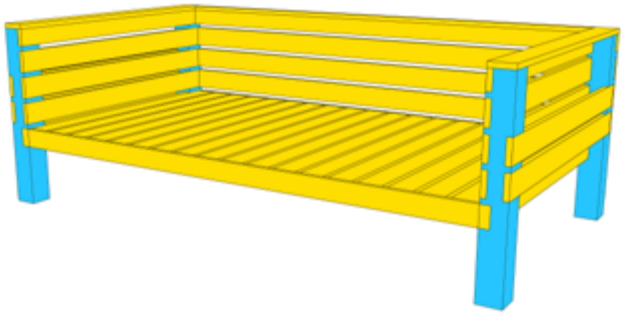
D.

~ 44-1/2″ (direct measured)

Daybed
BUILDING: LEGS

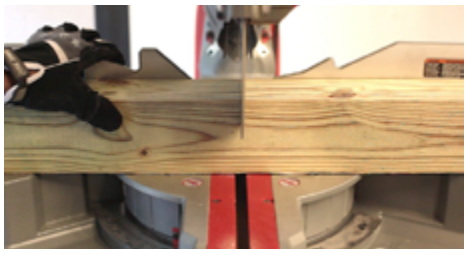
YellaWood® Pressure Treated Pine

STEP 1: LEGS



The first step is to make the leg cutouts. This can be a little complicated, but you can see a demonstration by watching the video at yellawood.com/projects.

A ☐

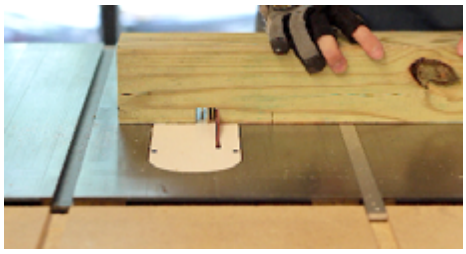


Cross cut the 4 legs from the 4x4 stock to a length of 29" each. For each leg piece, find the best looking face. Label these individually as: front right, front left, back right, or back left.

B1 ☐

The legs feature many cutouts that make for clean and strong joinery. These cutouts can be made by using a variety of different tools and methods. We'll use a dado blade installed on a table saw (it's the most efficient way).

B2 ☐



It is possible – though more time consuming – to use a standard table saw blade.

B3 ☐

You can also use a sliding miter saw with the blade depth locked. With any method, be sure to clear out any chips in the cutout with a chisel to ensure a good joint can be made.

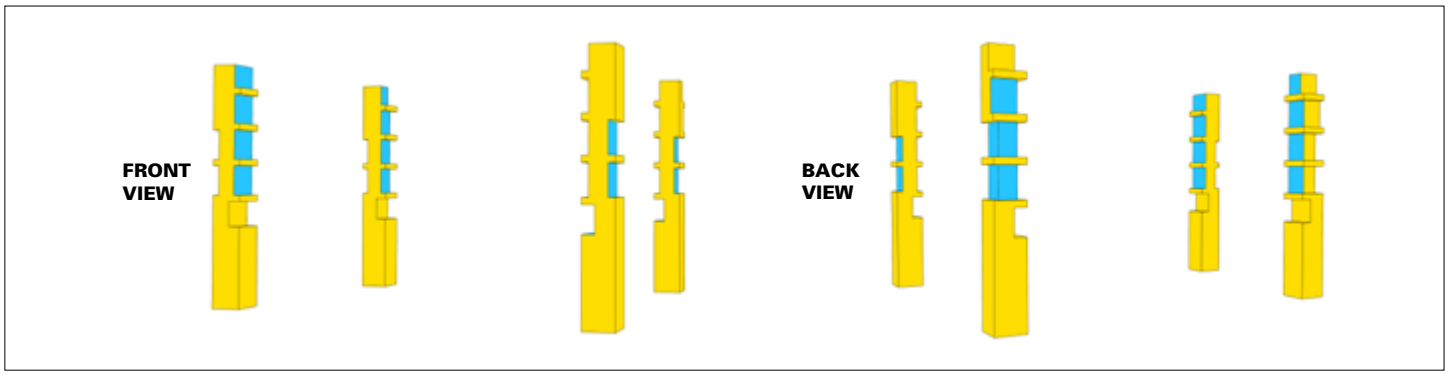
B4 ☐

If you use a table saw, we recommend using a miter gauge to safely hold the piece while cross cutting.

Daybed
BUILDING: LEGS

YellaWood® Pressure Treated Pine

C1 ☐



The first cutouts are made to fit the 1x4 stock. Use the diagram drawings on pages 4-7 for measurements.

C2 ☐

Cut a scrap piece of 1x4 to act as a depth and joint-fitting gauge.

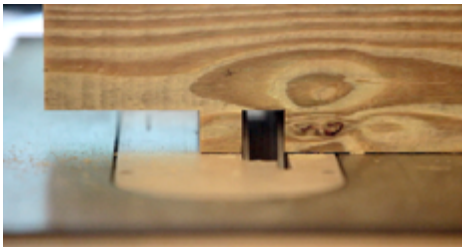
C3 ☐

Use a scrap piece of 4x4 to dial in the correct cutting depth.

C4 ☐

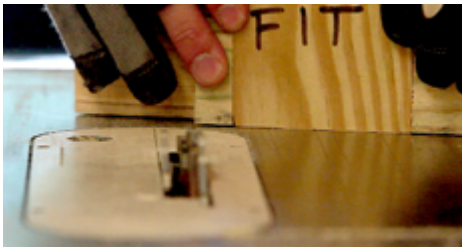
Slowly adjust the height of the dado blade until you have an accurate fit with the 1x4 gauge.

C5 ☐



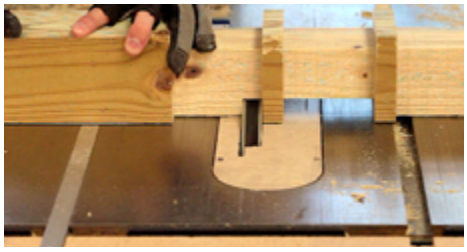
Once the saw is at the correct depth, refer to the diagram drawings and mark your legs for the 1x4 deep cutouts. Begin making the cutouts.

C6 ☐



When you near the completion of a cutout, use your 1x4 scrap to test for a good fit.

C7 ☐

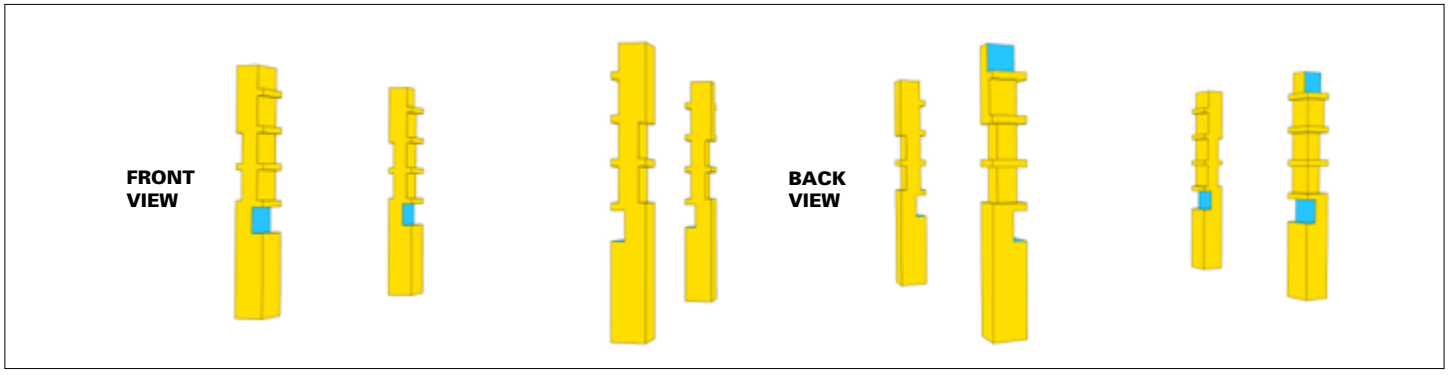


With the cutouts that wrap around the leg, use the cut made on one side to guide your next cuts. By 'wrapping' your cut sequence around the leg, you can avoid misaligned notches.

C8 ☐

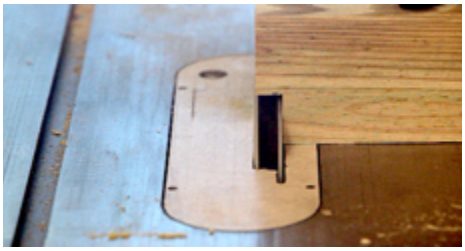
As you finish the 3/4" cutouts, test each gap for fit because this will be difficult to modify later.

D1 ☐



Now move on to the final cutouts. These will be made to fit a 2x4. Use the diagram drawings on pages 4-7 for measurements.

D2 ☐



Slowly adjust the blade to the correct depth.

D3 ☐

Use a scrap piece of 2x4 as a gauge to test the depth. Once the saw is at the correct depth, refer to the diagram drawings and mark your legs for the 2x4 deep cutouts.

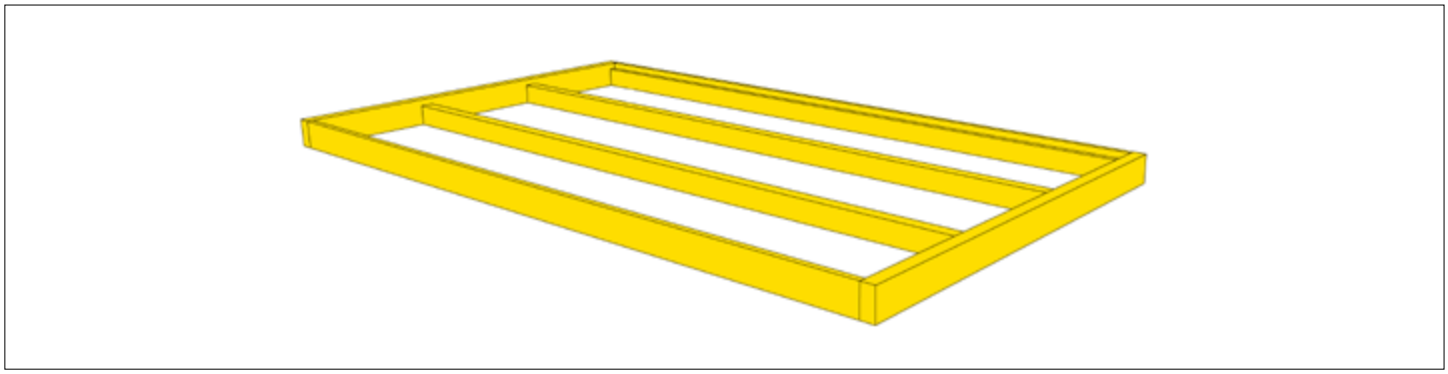
D4 ☐

Make the 2x4 cutouts slowly to ensure a clean finish. Be sure to test the fit with the 2x4 gauge before moving on.

Daybed
BUILDING: PLATFORM

YellaWood® Pressure Treated Pine

STEP 2: PLATFORM



Construct the main platform by cutting and assembling the frame. Refer to the diagram on page 8 for measurements.

A1 ☐

Rip the 2x4s on both sides to eliminate curved edges. We will need fresh square edges for the joinery to fit well. See widths on page 8.

A2 ☐

The front and rear beams for the platform frame are notched to allow the decking to sit flush. Make these cuts on the table saw with both your fence and blade set to 3/4".

B1 ☐

Use 3" galvanized deck screws and glue as fasteners for the assembly of the platform frame. Always pre-drill with a countersink bit to a depth just below the wood surface when using screws.

B2 ☐

Begin assembling the frame. Be sure the joints are all 90 degrees. Use a clamp if necessary.

B3 ☐

Countersink, glue, and screw the frame pieces together. Wipe any excess glue from closed joints with a damp cloth. Make sure outside edges are flush when assembling the front and rear rails.

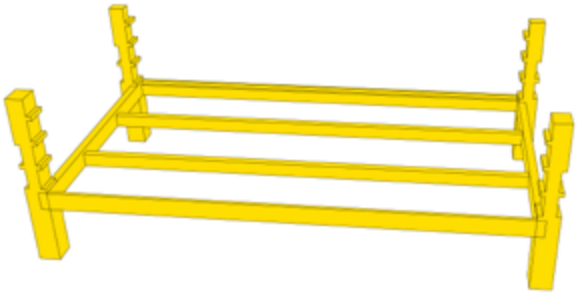
B4 ☐

The middle beams should be mounted flush to the bottom of the side 2x4s. Note dimensions on page 8.

Daybed
BUILDING: PLATFORM

YellaWood® Pressure Treated Pine

C1 ☐



Once the frame assembly is completed, you can move on to attaching the legs.

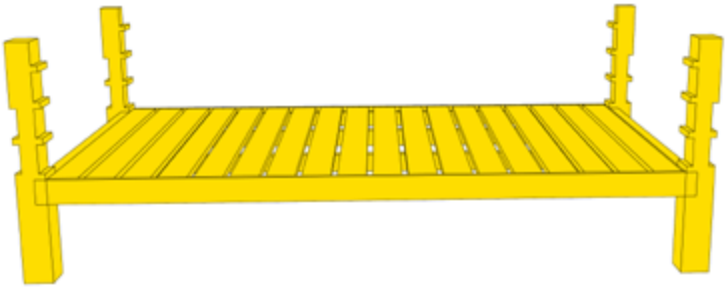
C2 ☐

Fit the legs to the assembled platform frame.

C3 ☐

Countersink, glue, and attach the legs from the inside of the platform frame with 3" screws. Use four screws per joint when attaching the platform to the legs. Make sure the platform frame is flush with the leg surface.

D1 ☐



Now move on to installing the decking on the main platform. Refer to the diagram on page 9 for measurements.

Daybed

BUILDING: PLATFORM

YellaWood® Pressure Treated Pine

D2 ☐

Cross cut 1x4s for the decking. Use the diagram on page 9 for measurements, but test to make sure the decking planks have about 1/8″ of wiggle room.

D3 ☐

Lay the planks in the platform frame and install with 1-5/8″ screws.

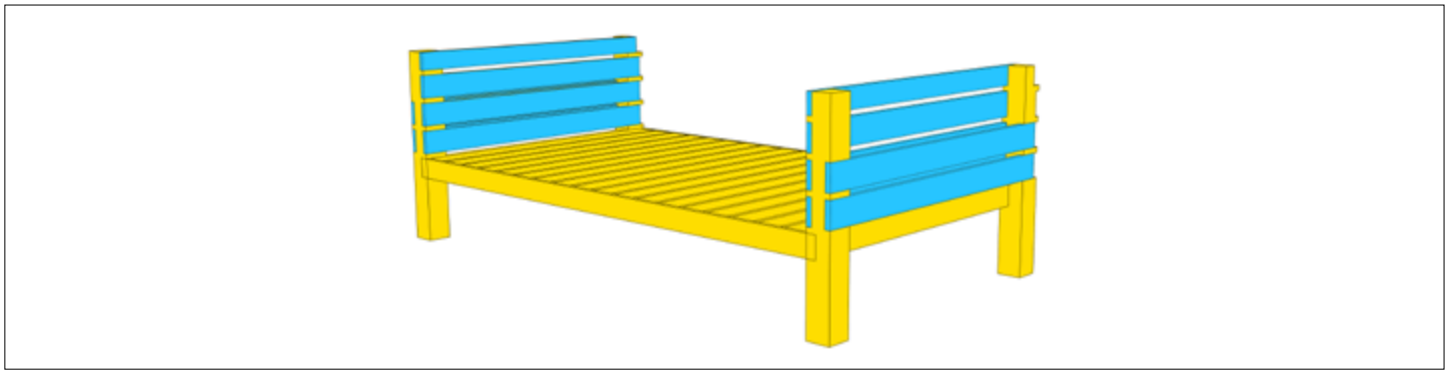
D4 ☐

Use your scrap piece of 1x4 as a jig to set the 3/4″ spacing between the planks as you attach.

D5 ☐

The final plank will need to be rip-cut to maintain proper spacing. Measure and cut on the table saw.

STEP 3: SIDES



Now install the planks on the sides of the daybed. To ensure a square fit, first install the top planks for maximum leverage. Refer to the diagram on page 10 for measurements.

A1 ☐

Get an accurate measurement for the top side plank. First, measure the overall base of the platform.

A2 ☐

Then subtract the depth measurement of the 2x4 cutout at the back & top of the sides. After cross cutting, you will also need to rip these top planks on the table saw. Refer to the diagram on page 10 for measurements.

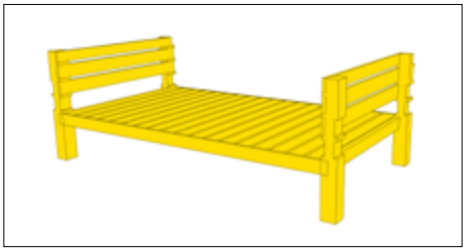
A3 ☐

Clamp both sides of the top plank flush with the sides and attach.

A4 ☐

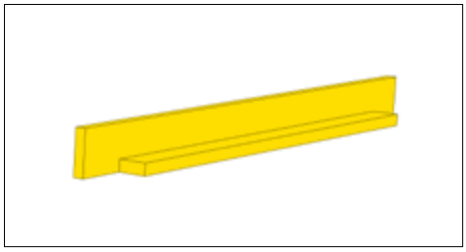
Measure the length needed for the remaining inside planks. Cut and attach the second and third 1x4 planks to each side. Wait on attaching the fourth plank.

A5 ☐



Your project should now look like this.

B1 ☐



Cut and attach the shelf bottom to the fourth plank before attaching (see steps B2-B5).

Daybed
BUILDING: SIDES

YellaWood® Pressure Treated Pine

B2 ☐

The shelf bottom is cut from 1x4 stock. Refer to Diagram C on page 10 for measurements.

B3 ☐

Clamp the bottom piece to the plank and attach with a series of 1-5/8″ screws.

B4 ☐

Fit the completed assembly into place. Use a mallet if needed to ensure a flush fit.

B5 ☐

Attach the assembly to the legs.

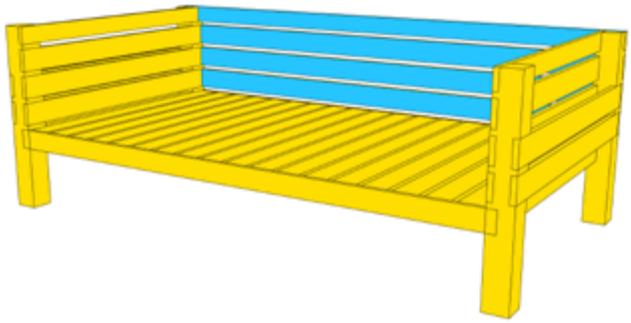
C1 ☐

Finish the sides by attaching the outside bottom planks to the legs.

C2 ☐

Countersink and attach the outside bottom plank to the shelf bottom with four evenly spaced screws.

STEP 4: BACK & TOP



Now move to the back of the daybed. You'll install the four planks top-down. Refer to the diagram on page 11.

A1 ☐

Measure the overall length of the daybed at the level of the platform. Use this measurement for the cut length of all four back planks.

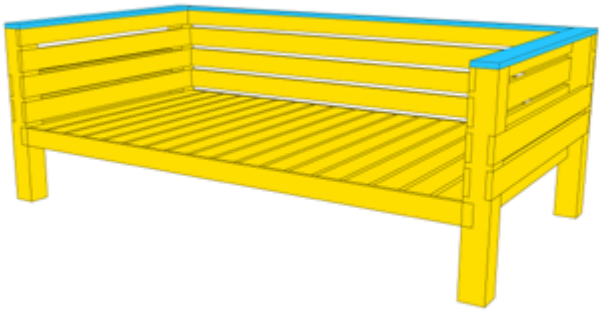
A2 ☐

Attach the top 2x4 plank first. Clamp the plank flush to the leg on both sides and attach with 3" screws.

B ☐

Cut the three remaining 1x4 back planks then attach them to the legs with 1-5/8" screws.

C1 ☐



The final assembly step is to attach the tops of the sides and back. Refer to the diagram on page 11.

Daybed
BUILDING: BACK & TOP

YellaWood® Pressure Treated Pine

C2 ☐

Start with the tops of the sides. Take a separate measurement of each side length.

C3 ☐

Cut the two top pieces and clamp them to the inner side plank.

C4 ☐

Attach the top plank with a series of six evenly spaced screws to make a tight seam on the inside.

D1 ☐

Measure the length of the back for the last top plank.

D2 ☐

Cut the final top piece from 1x4 stock and trim to fit.

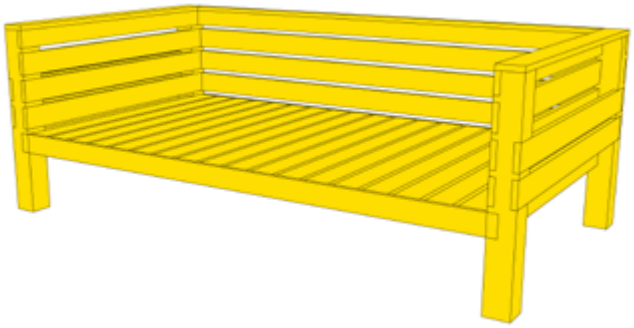
D3 ☐

Attach the top piece with eight evenly spaced screws.

D4 ☐

Congratulations! You're done with the daybed construction.

STEP 5: FINISHING



A1 ☐

Sand all joint faces flush.

A2 ☐

Ease all edges with sandpaper and finish with spray-on or wipe-on weatherproof sealant of your choice.

A3 ☐

Complete the look of your daybed with a covered twin mattress and durable pillows. For full exposure, use exterior-grade textiles. For partial exposure, coat fabric with Scotch-Guard.

Daybed
FASTENER & HARDWARE INFORMATION

YellaWood® Pressure Treated Pine

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.

Daybed
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.
- If you desire to apply a paint, stain, clear water repellent or other finish to your preservative-treated wood, we recommend following the manufacturer's instructions and label of the finishing product. Before you start, we recommend you apply the finishing product to a small exposed test area before finishing the entire project to ensure it provides the intended result before proceeding.
- 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.