

Planter Box With Lattice

INCORPORATE YOUR PATIO INTO YOUR YARD

With ProWood® pressure treated lumber and Lattice Basics™, you can create a movable planter box with a lattice back that will enhance your patio or deck and can provide a border of privacy.

CUTTING THE LUMBER TO SIZE

Always Use Safety Glasses (Refer to the list inside of "Materials You Will Need.")

Using a circular saw, cut the boards for the planter box. Start by cutting your 10' 1 x 6 ProWood® board into four 15" side panels and two 28" back pieces. Cut the 8' 1 x 6 into six 15" side pieces. Also cut the 8' 1 x 8 into two 30" sections for the bottom of the planter box.

Cut your 8' 1 x 2 trim pieces into six 11 3/4" pieces, six 6 3/4" pieces, and three 23 1/2" pieces. These will form the top and bottom trim of the planter box. Also cut two 11" pieces, two 4 1/2" pieces, and one 22" piece of trim all for the inside bottom of the planter.

BUILDING THE SIDE PANELS

Use the bottom inside trim as a cleat to hold the 1 x 6



Add beauty to your patio border..

boards together as you assemble the front and side panels of your planter box. Remember to always attach the trim so that it is flush with the bottom of each side piece and centered over the width of the panel's boards (except for the two 11" pieces of trim, which should be flush with the 1 x 6 facing the back of the planter box). Also, keep in mind which side of your wood will face outward. You want to keep your "best" side visible.

THE FIRST TWO SIDE PANELS

Take one of the 11" pieces of 1 x 2 and attach it to the bottom of two 1 x 6 side pieces with 4d galvanized nails. The side pieces should be held together to form a solid panel. The bottom

(Continued inside)



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inside trim should be flush with the outside of the side panel that will border with the back edge and should come slightly (1/4") short of flush with the other side piece. Repeat this process with two more side pieces and another 11" piece of 1 x 2 trim (remember to make the trim piece flush with the back of the planter box).

THE TRANSITION PANELS

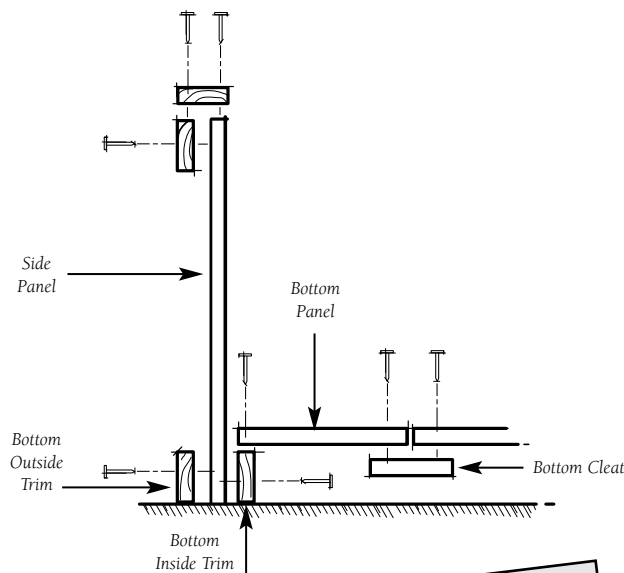
Next, take a single side piece and a 4 1/4" piece of trim. Center the trim piece along the bottom edge of the side piece and attach it using 4d galvanized nails. Repeat this process with another side piece. The trim piece should come just short of both edges of the side piece.

THE FRONT PANEL

Place the remaining three side pieces together to form the front face of the planter box. Attach the 22" trim piece flush with the bottom of all three side pieces, again centered to come just short of each side of the front panel.

MAKING THE BOTTOM OF THE BOX

Place the two bottom 1 x 8 pieces together side by side to form the bottom of the planter box. Cleat the side panels together with a scrap piece of trim. Using a tape



measure, mark a line 4" in from the sides along the front edge on both front corners of the bottom panel. Mark a 45-degree angle from this mark on the front edge to the outside edges of the bottom panel. Cut along these 45-degree lines, removing the front corners of the bottom panel to make the angled sides of the box.

PUTTING THE SIDES ON BOX

Now you can place each of the five side panels under the bottom panel of the planter box by sliding their inside bottom trim under the bottom panel. The sides and the bottom will form a 90-degree angle. The separate side panels should fit tightly around the bottom panel, leaving an opening at

the back of the box. Attach the sides to the bottom panel by nailing through the bottom panel into the inside bottom trim and through the side panels into the edge of the bottom panel. See the illustration above for a look at how to complete this step.

Materials You Will Need

- ◆ One 8' 1 x 6 ProWood® Pressure Treated Lumber
- ◆ One 10' 1 x 6 ProWood® Pressure Treated Lumber
- ◆ One 8' 1 x 8 ProWood® Pressure Treated Lumber
- ◆ Three 8' Lattice Basics™ C-Channel
- ◆ One 4 x 8 Lattice Basics™ Structural Lattice
- ◆ A Box Of 1 1/2" 4d Galvanized Nails
- ◆ A Box Of 2" #6 Galvanized General Purpose Screws

Do More With Every Project!

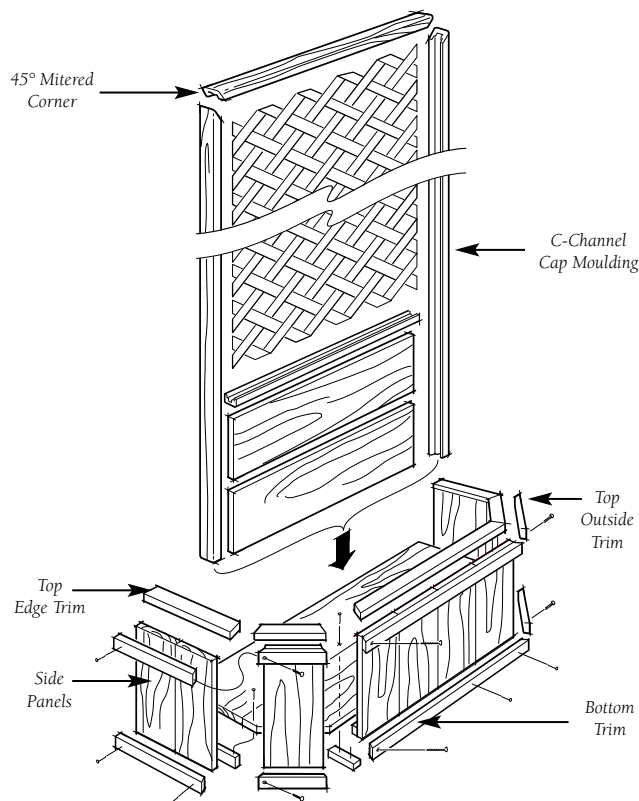
CUTTING TRIM ANGLES

All angles for the outside trim (both top and bottom) are 22.5-degree angles. Each joint is then 45 degrees. Use a miter box or an angle square to mark and cut 22.5-degree angles for each of the trim joints. For the trim on the outside face of the planter box (both top and bottom), the angles will cut through the 1" side of the trim piece. For the trim on the top edge (or rim) of the planter box, the angles will cut through the 2" side of the board. When both ends of a trim piece require angle cuts, make sure the angles are not parallel. Experimenting by cutting angles in scrap wood first will help you get the angles perfect for your project.

ADDING THE TRIM

First, cut a 22.5-degree angle in the joint end (the edge that will meet the next piece of trim) of one of the 11 3/4" trim pieces. Be careful not to shorten the longest edge of the trim piece when cutting this angle. Attach this piece to the planter box flush to the bottom of the first side panel, with the angle cut meeting the joint between the first and second panels.

Next, cut two 22.5-degree angles (one on each end) in the 6 3/4" trim pieces. Attach these pieces to the single



board panels. This will create your first trim joint.

Cut two 22.5-degree angles in the 23 1/2" trim piece and attach it to the front face of the planter box. Finish off the bottom trim using the steps for the first 11 3/4" and 6 3/4" trim pieces. Follow the bottom trim steps above to add the top outside trim to your planter box.

STRENGTHENING THE JOINTS

After installing the top and bottom outside trim, you can fasten the pieces of trim

together to strengthen each joint in the planter box. Sink 2" #6 galvanized screws from the side of each joint running parallel with the trim piece furthest from the screw head. Pre-drilling your holes will prevent splitting the trim pieces. One screw per joint will add sufficient strength. See the illustration on the next page for a look at how to strengthen the joints.

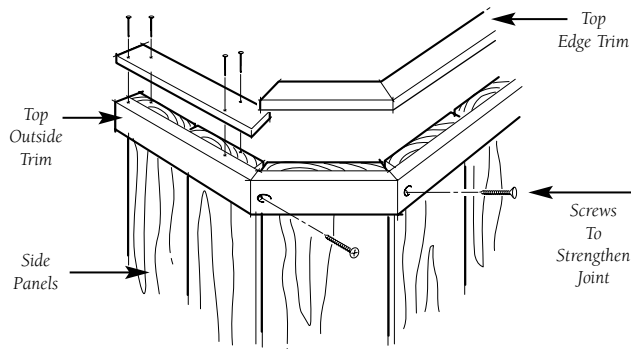
ATTACHING THE TOP EDGE TRIM

You should have five pieces of 1 x 2 trim left for the top

(Continued on back)

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edge trim. This trim covers the top edge of the side panels and the top of the trim you just finished. Each of the joints for this trim is also 22.5-degrees, but you will have to cut the angles differently, they must be cut through the 2" side of the piece so that they curve to the side as the top ridge of the planter box curves. Keeping in mind the difference in the way the angle is cut, you can follow the instructions for top and bottom outside trim given above. Also refer to the illustration for a look at how this trim is installed.



BUILDING THE LATTICE SCREEN

To build the lattice screen and back panel of the planter, you will need to cut two of your 8' C-Channel pieces to 70". Cut the tops of these C-Channels at 45-degree angles. Now cut a 27 1/4" section of C-Channel from your third piece (leaving these ends square). Lay your two 28" 1 x 6 pieces and the 27 1/4" piece of C-Channel between the 70" pieces to form the back wall of your planter box. The 1 x 6 pieces will fit inside the C-Channels of the 70" pieces while the 27 1/4" piece will meet them flush with the channel facing away from the 1 x 6 (your lattice screen will fit in this channel). Attach the 70" pieces to the 1 x 6 boards

and the C-Channel using 2" galvanized #6 screws from the outside.

Cut a Lattice Basics™ 4 x 8 sheet of construction lattice to fit inside the side C-Channels. Cut a 30" piece of C-Channel for the top of the Lattice frame.

Insert and attach the top C-Channel cross piece using one 2" #6 galvanized screw in each joint.

FINISHING THE BACK PANEL

Slide the back panel between the side walls of the planter box until it sits on the bottom panel. Fasten the back panel to the side panels using 2" #6 galvanized screws placed through the side panels into the side of the back panel. To add strength to your back panel, you should also screw it to the bottom panel from underneath the planter

Basic Tool List

- ◆ Miter Box Or Angle Square for Angle Cuts
- ◆ Circular Power Saw
- ◆ Drill And Drill Bit
- ◆ Tape Measure
- ◆ Hammer

box. Pre-drilling your holes will prevent splitting.

Before putting in your potted plants, you will want to add a false bottom to the appropriate height.

Always use gloves, a dust mask, and eye protection when sawing, sanding, or machining wood.

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