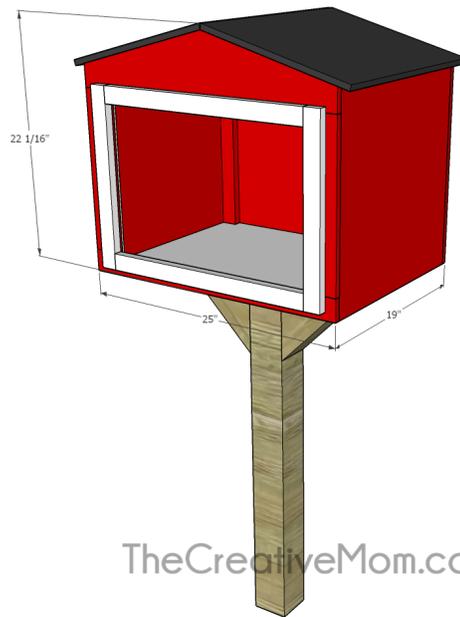


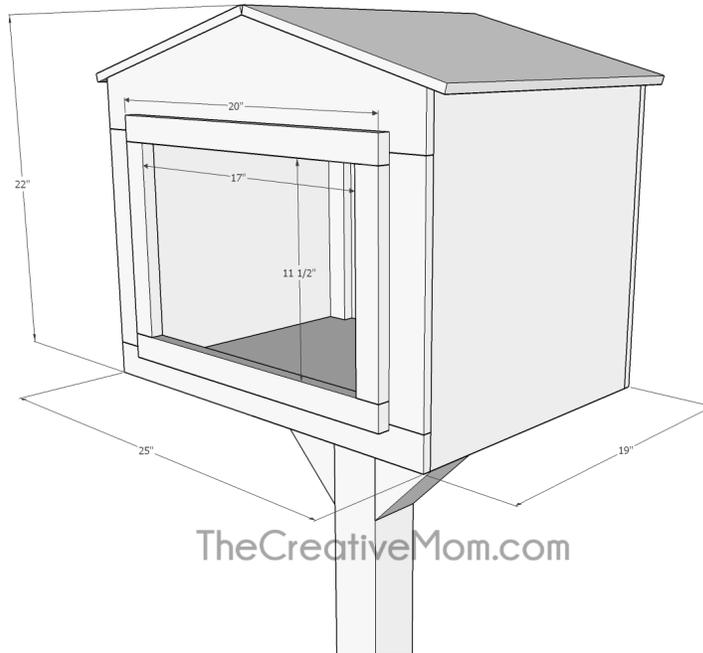
LITTLE LIBRARY

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Building Plans for a Little Library. This plan is a LARGE size plan, designed for a lot of books.

DIMENSIONS



DIMENSIONS

Overall: 19" x 25" x 22"

TOOLS

RECOMMENDED TOOLS

- Tape Measure
- Safety Equipment
- Drill/Driver
- Circular Saw
- Miter Saw
- 18 Gauge Brad Nailer

MATERIALS

WOOD MATERIALS

Quantity	Type	Size
1	1/2 inch plywood (T1-11 works great)	4' x 8' sheet
1	4x4 post (pressure treated is best)	8 ft
1	1x2 board	96"

HARDWARE AND MORE

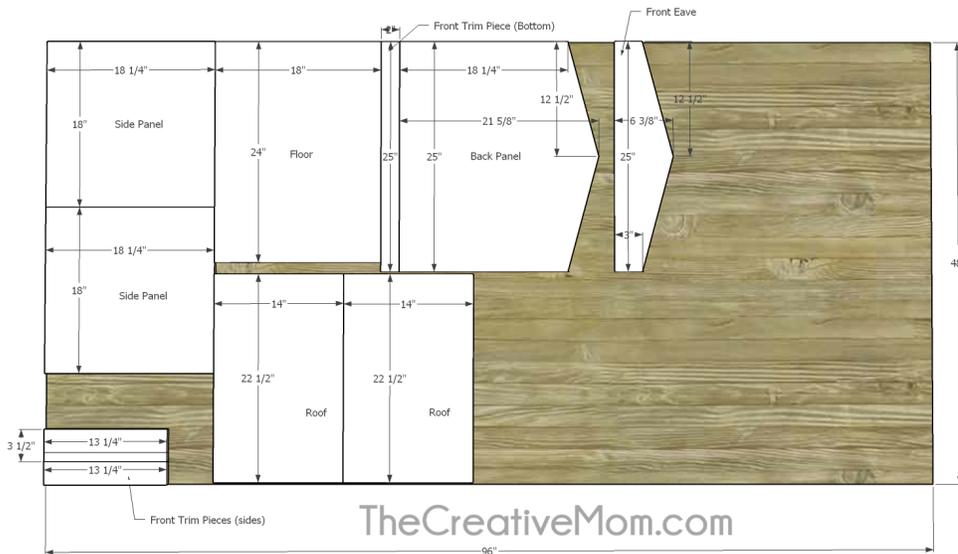
Quantity	Description	Size
50	Brad Nails	1 1/4"
50	Wood Screws	1 1/4"
1/4	Wood Glue	
1	Post Base	Simpson Model # BC40
1	Plexiglass	18" x 12"
2	hinges	
1	handle	
1	paint	exterior grade
1	shingles	
1	construction adhesive or adhesive caulk	

CUTTING GUIDE

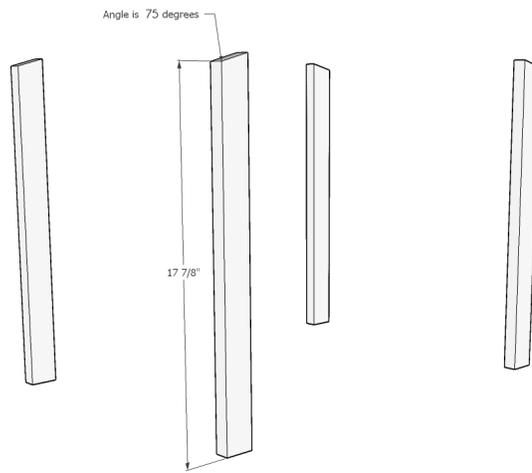
WOOD CUTTING LIST

Quantity	Wood Type	Cut Length or Dimension	Label or Part
4	1x2	17 7/8" (one end cut at 105 degrees)	interior supports
2	1x2	19 3/4"	Door Trim
2	1x2	16	Door Trim
2	1/2" plywood	13 1/4" x 3 1/2"	Front Trim (sides)
2	1/2" plywood	18 1/4" x 18" (*see note in step 4)	Side Panel
2	1/2" plywood	14" x 22 1/2" (*see note in step 8)	Roof Panels
1	1/2" plywood	18" x 24"	Floor
1	1/2" plywood	2" x 25"	Front Trim Piece (bottom)
1	1/2" plywood	21 3/8" x 25" (see diagram)	Back Panel
1	1/2" plywood	6 3/8" x 25"	Front Eaves
1	4x4 post	11 1/2", cut at 45 degrees perpendicular	Post supports
1	4x4 post	73"	Post
1	plexiglass	18" x 12"	door glass

Cutting Diagrams



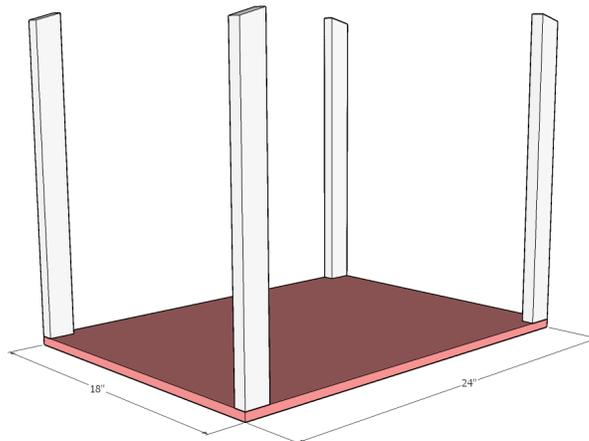
STEP 1



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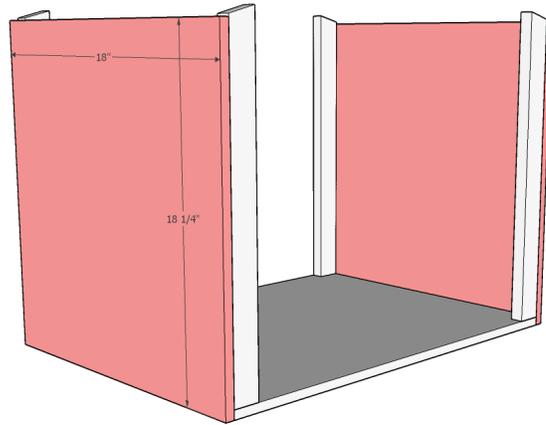
Cut 4- 1x2 boards at 17 7/8".
One end will be cut on a 75 degree angle.
Measurement taken on the short side of the angle.

STEP 2



Cut a piece of 1/2" plywood at 18" x 24"
Using wood glue and 1 1/4" wood screws, attach the plywood to the 4 boards. Make sure to predrill to avoid splitting wood.

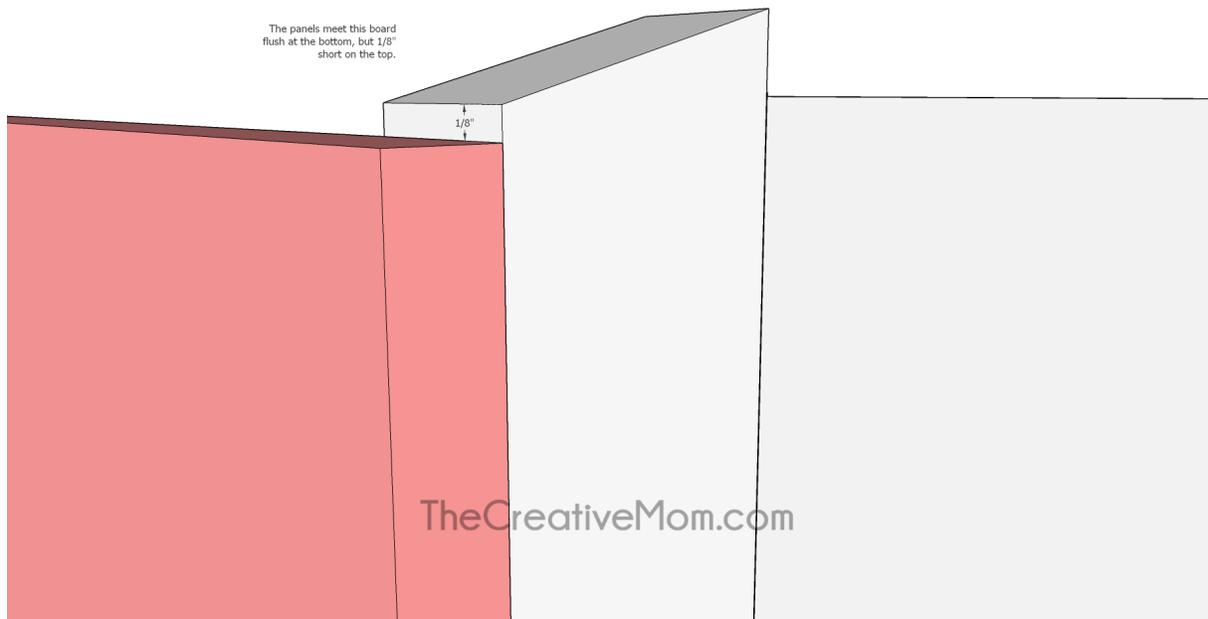
STEP 3



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Cut TWO pieces of 1/2" plywood at 18 1/4" x 18"
Using wood glue and either 1 1/4" wood screws or brad nails, attach the plywood to the 4 boards.
If using screws, make sure to predrill to avoid splitting the wood.

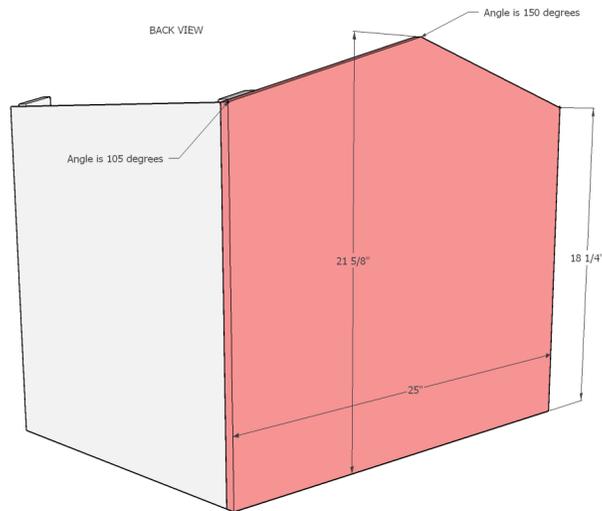
STEP 4



When attaching the panels, note that the bottom of the panels should be flush with the bottom of your plywood floor. The top of the panels should be 1/8" shorter than the boards.

(please note: if you wish to avoid this gap, you could rip the tops of this plywood at a 75 degree angle. This adds some extra difficulty to the build, and is not necessary, but can be done if desired.)

STEP 5



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Cut a piece of $\frac{1}{2}$ " plywood at $21 \frac{5}{8}$ " x 25 ".

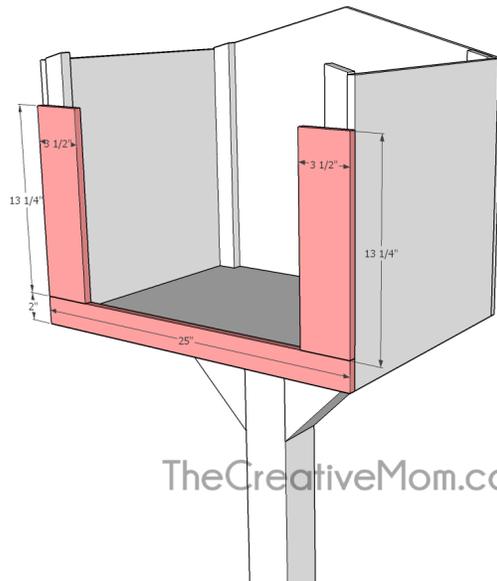
Mark $18 \frac{1}{4}$ " up the sides. Also mark the center across the top ($12 \frac{1}{2}$ ")

Draw a line from the center of the top, to the $18 \frac{1}{4}$ " mark on the sides. This will create the pitch of your roof.

Cut along this line.

Using wood glue and either $1 \frac{1}{4}$ " wood screws or brad nails, attach the plywood to the 1x2 boards. If using screws, make sure to predrill to avoid splitting the wood.

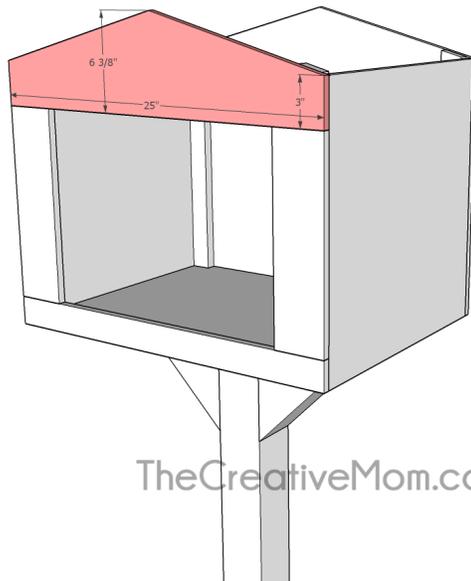
STEP 6



Cut a piece of 1/2" plywood at 2" x 25".
Cut TWO pieces of 1/2" plywood at 13 1/4" x 3 1/2".

Using wood glue and either 1 1/4" wood screws or brad nails, attach the plywood to the 1x2 boards. If using screws, make sure to predrill to avoid splitting the wood.

STEP 7



Cut a piece of 1/2" plywood at 6 3/8" x 25".

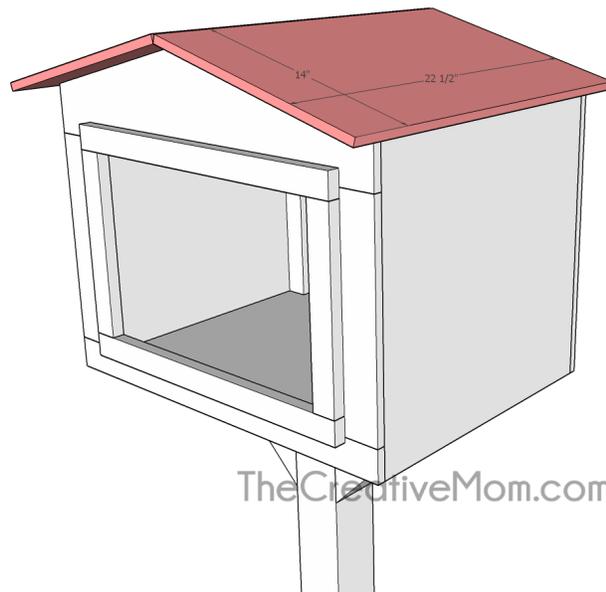
Mark 3" up the sides. Also mark the center across the top (12 1/2")

Draw a line from the center of the top, to the 3" mark on the sides. This will create the pitch of your roof.

Cut along this line.

Using wood glue and either 1 1/4" wood screws or brad nails, attach the plywood to the 1x2 boards. If using screws, make sure to predrill to avoid splitting the wood.

STEP 8

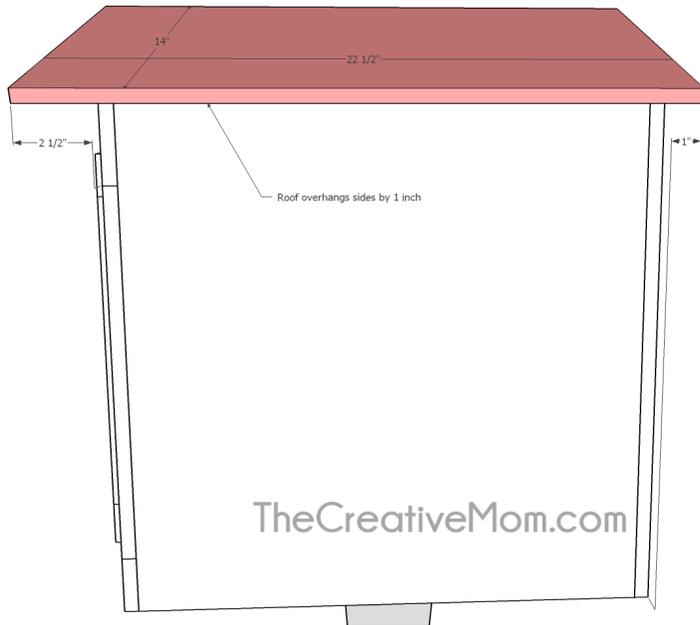


Cut TWO pieces of 1/2" plywood at 14" x 22 1/2".

Using wood glue and either 1 1/4" wood screws or brad nails, attach the plywood to the 1x2 boards. If using screws, make sure to predrill to avoid splitting the wood.

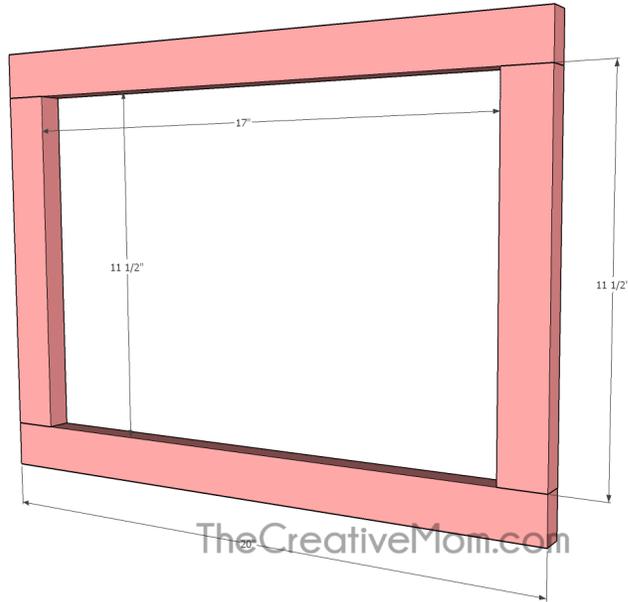
(note: the roof pieces do not line up perfectly flush together at the peak. This will not be a problem if you plan on adding roofing with a ridge cap. If not, you can rip the plywood on the 22 1/2" edge at 75 degrees. This will make a perfect match. You will also want to attach together with wood glue, and possibly add caulk for waterproofing.)

STEP 9



The roof should overhang the front by 2 1/2", the back by 1", and each side by 1"

STEP 10

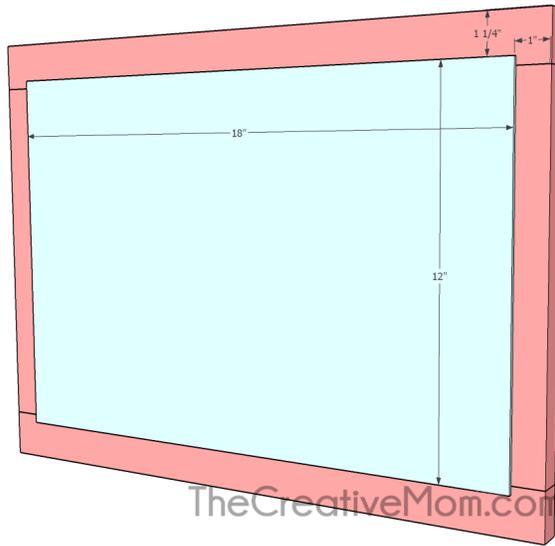


Cut TWO 1x2 boards at 20" and TWO 1x2 boards at 11 1/2".

Using wood glue and screws or brad nails, attach pieces together. You could also use a pocket hole jig and pocket hole screws for a sturdy hold.

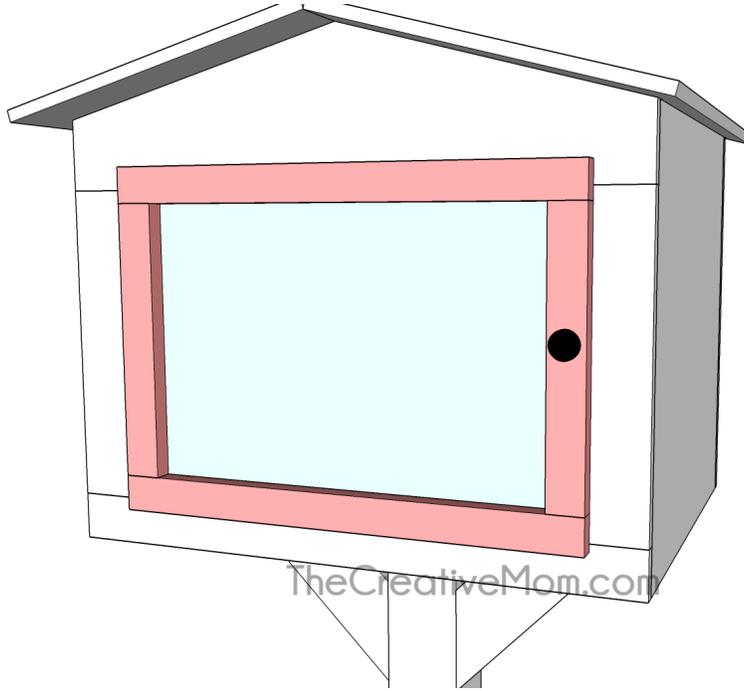
DO NOT attach these to your little library building. We are just creating a frame for our door.

STEP 11



Attach a piece of plexiglass (18" x 12") to the inside of your door frame with construction adhesive or adhesive caulk.

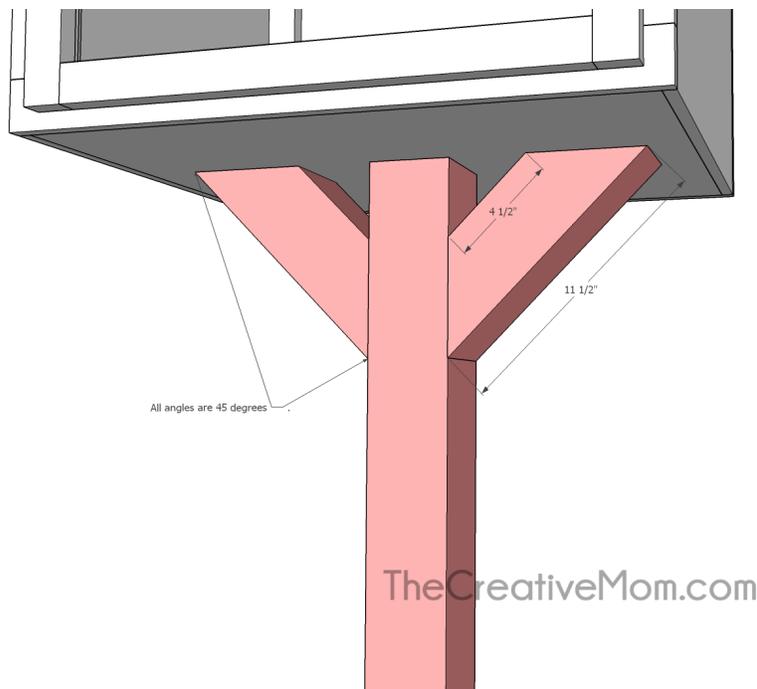
STEP 12



Center the door on the opening of the little library, and attach with hinges.

Add a handle as well.

STEP 13



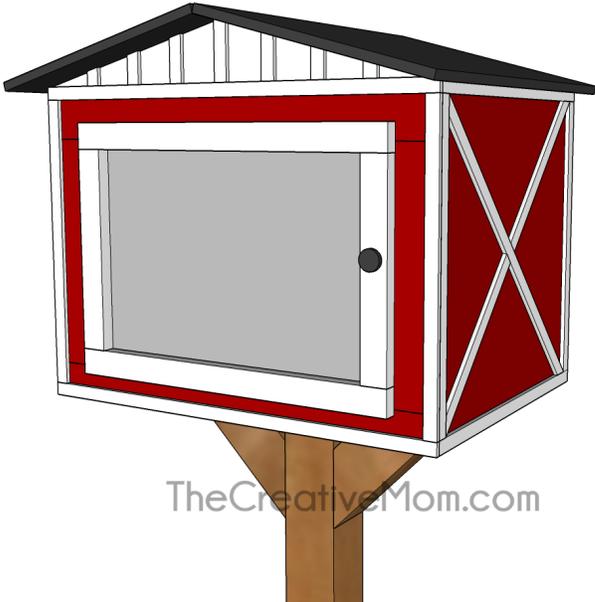
To install, use a 4x4 pressure treated post.

Cut TWO boards at 45 degrees, 11 1/2" on the long side of the angle.

Attach the center post, using a metal post base (simpson model BC40). Attach the supporting posts from within, with wood screws. Make sure to predrill so you don't split your wood.

Install in your area.

STEP 14



Paint, add trim (if desired), and install.

TOOL GLOSSARY

TAPE MEASURE

Tape measures come in a variety of sizes; for the majority of projects in our plan catalog, a 16-foot tape measure is adequate. Most standard tape measures have a moving end hook, to accommodate both pulled and pushed measurements.

SAFETY EQUIPMENT

Always wear eye and ear protection when operating power tools or during construction. Gloves can protect hands and are recommended as well.

CIRCULAR SAW

A circular saw is a handheld power saw, with a circular blade. It is a versatile tool that can be used for making straight cuts. While not as precise as a table saw or miter saw, the circular saw is more affordable and can be used effectively. Clamping a guide to your project for your circular saw foot to follow will help with accuracy. Also set your circular saw blade to a depth about 1/4" more than your wood thickness. Remember to properly support your wood as you cut it, considering once the wood is cut, it will become two pieces.

MITER SAW

A miter saw - also referred to a chop saw or compound miter saw - is a saw that will crosscut long stock and crown molding. It has the ability to cut bevels and angles. It is held fixed on a stand while the board being cut is fully supported on both ends. To make a cut, simply place the board on the saw, push it firmly against the fence, and pull the saw down. A sliding compound miter saw allows you to cut wider stock.