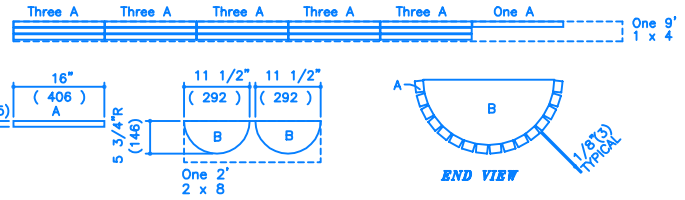
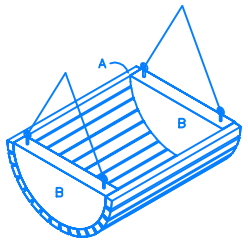
NOTICE

"The purchaser agrees when purchasing this plan (the "Plan"):
1) the purchaser has acquired the right to build or construct the object or project set out in the Plan (the "Project") for his/her/its personal use only and not for any commercial use,
2) reproduction of the Plan in whole or in part by any means whatsoever is strictly prohibited.
3) Blueprints For The Handyman shall not be liable for any willful misuse or negligent use of this plan, the Project or any tools used to construct the Project or for any loss or damage resulting therefrom."

NOTE: ***Read all directions before beginning***
Carpenters Glue should be used to reinforce all joints
Dimensions shown in brackets denote millimeters
Set all nails



HALF CYLINDER HANGING PLANTER
FIGURE 1



Directions (Half Cylinder hanging planter)

1) Draw out all parts exactly as illustrated, including the letter designations, in pencil. Ensure to leave a small space between cut lines to allow for the width of the saw. Before cutting, double check all measurements to ensure they are correct. Always cut on the waste side of the line. Sand all edges. To scribe piece B use either a compass, or you can make a compass with a nail and a piece of cardboard, simply nail through one end of a 7" long and 1" wide piece of cardboard and punch a hole for your pencil 5 3/4" from the nail hole. Cut with a jigsaw or keyhole saw. You can use a tablesaw to cut the pieces A.

2) Cut a scrap piece of wood 1/8" wide by 16" long to use as a spacer. Begin on one side of pieces B attaching pieces A sequentially along curve. Attach pieces A to B with 1 1/4" #6 flathead screws. There should be a 1/8" gap between each of the pieces A. You may have to sand the last two pieces slightly if they do not quite fit. Finish sand and stain and varnish project, or oil. Line the planter with plastic, punching a couple of holes in the bottom. Screw in four eye hooks, one inch in from the ends of B. Attach chain to hooks and cut to desired length (Fig 1).

Directions (Octagonal planter, large)

1) Lay out your material as outlined in the cutting diagram (Fig 2). Draw out all parts exactly as illustrated, including the letter designations, in pencil. Ensure to leave a small space between cut lines to allow for the width of the saw. Before cutting, double check all line. Sand all edges. To cut piece G, first draw out a 20 1/4" square, and mark the centers of each side. Measure 4 3/16" from both sides of each center, and make another mark. Join these two marks with a line to create the octagon, all sides should be 8 3/8" long. To cut pieces E and F, the long edge is 9", and the short edge 7 3/4". You can either use a protractor to measure this, or measure the 9" edge, draw a line at 90 degrees with a square, and measure 5/8" in from it on the other side. The angle setting is exactly 22.5 degrees. The rabbet joint in E can be cut with a tablesaw with the blade set at 3/4", or you can use a router. You can use a power miter saw or tablesaw with blade set to 22.5 degrees to mass produce pieces, or a handsaw and miter box.

2) Glue the outside edges of G and place on the pieces E. Blunt the edges of your finishing nails to prevent E from splitting, and nail on pieces E, through E into G, with 1 1/4" finishing nails. Place on pieces F at the offset angle and locate where they lay on pieces E. Pre-drill and nail F with 2 1/2" finishing nails. Repeat this procedure until you are finished the planter. Each new level is rotated 1/8th of a turn from the last row to give alternating points.

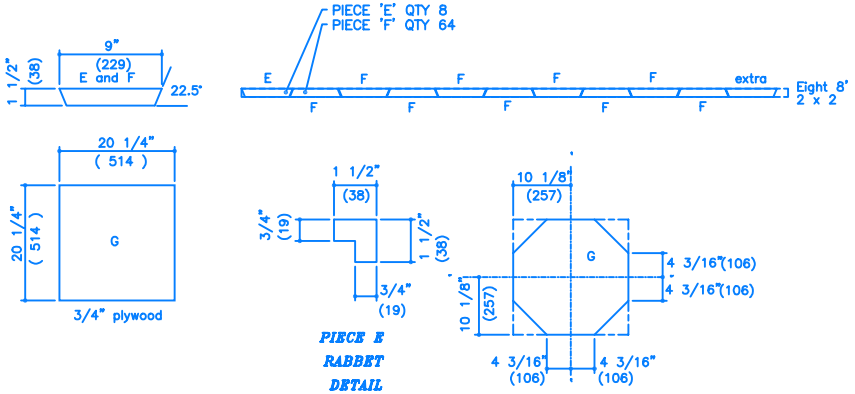
3) Set the nails in last row with a nail set slightly below the surface of F. Sand and finish with stain and varnish, or oil. If you are going to hang the planters, attach the chain to the underside of the pot (Illustration 2). If you are not going to use a planter insert, drill 1/4" holes in the bottom for drainage.

Directions (Octagonal planter, small)

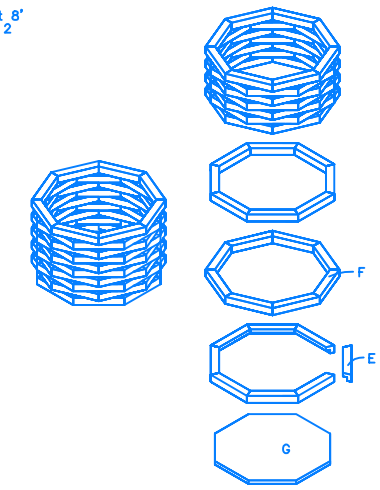
1) Lay out your material as outlined in the cutting diagram (Fig 3). Draw out all parts exactly as illustrated, including the letter the width of the saw. Before cutting, double check all measurements to ensure they are correct. Always cut on the waste side of the line. Sand all edges. To cut piece M first draw out a 13" square, and mark the centers of each side. Measure 2 11/16" from both sides of each center, and make another mark. Join these two marks with a line to 6", and the short edge 5 3/8". You can either use a protractor to measure this, or measure the 6" edge, draw a line at 90 degrees with a square, and measure 5/16" in from it on the other side. The angle setting is exactly 22.5 degrees. For pieces L, the long edge is 6" and the short side is 4 3/4". If you use the method with a square, measure in 5/16" in from either edge. You can use a power miter saw or tablesaw with blade set to 22.5 degrees to mass produce cuts.

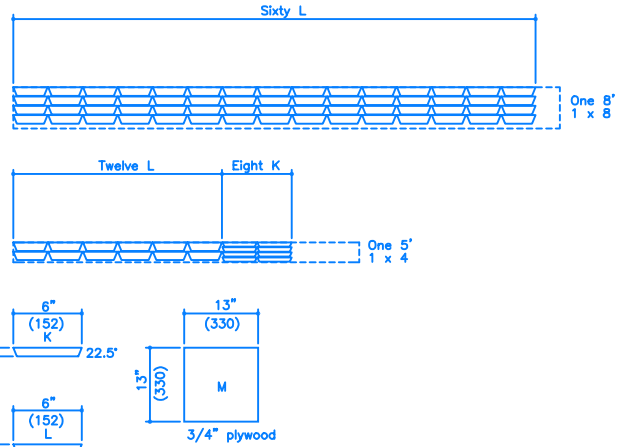
2) Glue the outside edges of M and place on piece K. Blunt the edges of your finishing nails to prevent K from splitting, and nail on pieces K, through K into M, with 1 1/4" finishing nails. Place on pieces L at the offset angle and locate where they lay on pieces K. Pre-drill nail holes in top piece L and nail to K with 2" finishing nails. Each new level is rotated 1/8th of a turn from the last row to give alternating points. Repeat this procedure until you are finished the planter.

3) Set the nails. Sand and finish with stain and varnish, or oil. If you are going to hang the planters, attach the chain around the underside of the pot. If you are not going to use a planter insert, drill 1/4" holes in the bottom for drainage.

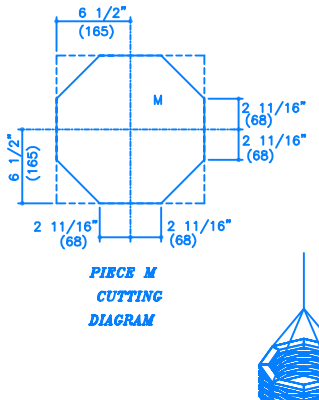


OCTAGONAL PLANTER, LARGE
FIGURE 2





OCTAGONAL PLANTER, SMALL
FIGURE 3



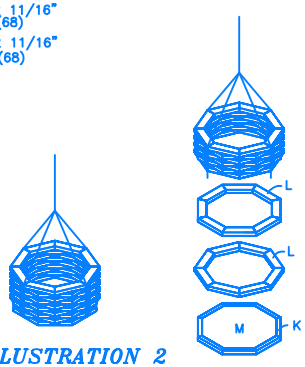


ILLUSTRATION 2

MATERIALS LIST (Half cylinder hanging planter)

One 10' 1x4 (3/4"x 3 1/2")
One 24" 2x8 (1 1/2" x 7 1/2")
Length of light chain or cord
Four 1/2" brass eyehooks with 1" of thread
Approx. Forty 1 1/4" #6 flathead screws

MATERIALS LIST (Octagonal planter, large)

Approx. 1 lb. 2 1/2" finishing nails
Approx. 1/2 lb. 1 1/4" finishing nails
One 24"x24" piece 3/4" plywood
Eight 8' 2x2 (1 1/2"x1 1/2")

MATERIALS LIST (Octagonal planter, small)

One 6' 1x4 (3/4" x 3 1/2")
One 8' 1x8 (3/4"x 7 1/2")
One 12"x12" piece 3/4" plywood
Approx. 1/2 lb. 1 1/4" finishing nails
Approx. 1 lb. 1 1/4" finishing nails

PLANTERS – Project #310

Directions (Angled planter, large)

1) Lay out your material as outlined in the cutting diagram (Fig 4). Draw out all parts exactly as illustrated, including the letter designations, in pencil. Ensure to leave a small space between cut lines to allow for the width of the saw. Before cutting, double check all measurements to ensure they are correct. Always cut on the waste side of the line. Sand all edges. Set tablesaw to a 35 degree angle to cut the pieces, the long measurements are given. Pieces S also has a rip cut along the short edge to allow it to sit flat.

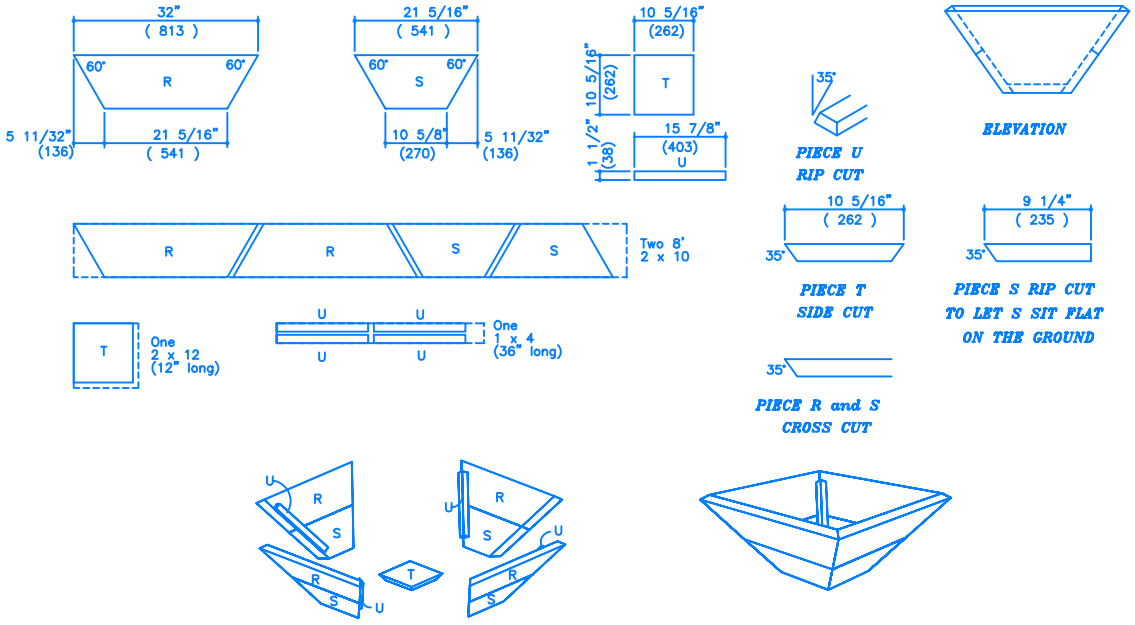
2) Drill two 1/16" holes in bottom edge of pieces S, line up pieces S with T, and nail together with 3" spiral nails. Drill two 1/16" holes in corners where S and S meet, use 3" spiral nails. Make R assembly, drill two 1/16" holes in one side of each R to attach to the next piece R. Nail R to R with 3" spiral nails. Place R assembly on ST assembly and tack together. Using 1 1/2" finishing nails, nail through bottom inside edge of R into S.

3) Screw battons U into each corner of assembly. Pre–drill through U four holes, two in line with S, two in line with R. Screw U to RS assembly with 1 1/2" #6 flathead screws.

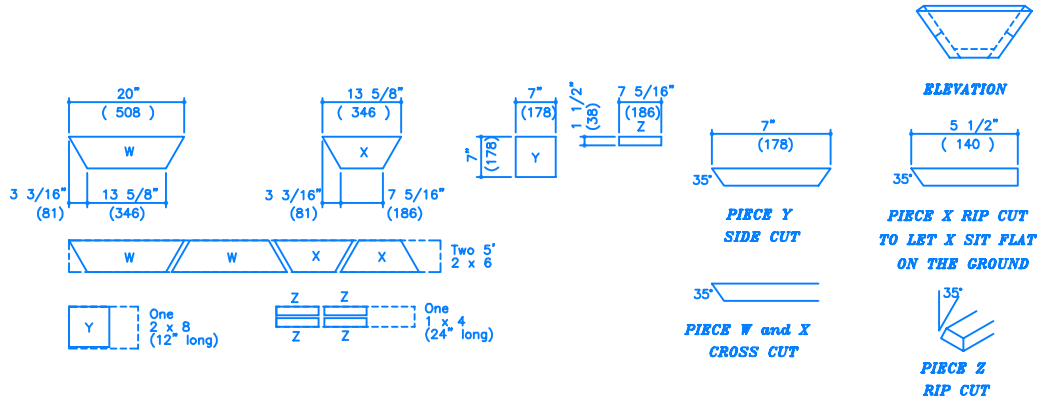
4) Set nails and sand project. Finish with stain and varnish, or oil. Do not finish the interior of the planter as the chemicals may have adverse effects on your plants. If you are not going to use a planter insert, drill 1/4" holes in the bottom for drainage. If you are going to hang the planter, attach the chain around the underside of T.

Directions (Angled planter, small)

1) Follow the directions for the large planter, substituting W for R, X for S, Y for T, Z for U. Use only two nails to nail each X to W.



ANGLED PLANTER, LARGE
FIGURE 4



ANGLED PLANTER, SMALL
FIGURE 5

Tools (General)
Hammer
Nail set
Pencil and measuring tape
Hacksaw or chain cutter
Square
Protractor
Drill
1/4" drill bit

Tools (Half cylinder planter)
Jigsaw
Tablesaw

Tools (Octagonal planters)
Tablesaw and/or miter saw
Hacksaw and miter box

Tools (Angled planters)
Tablesaw
Drill
1/16" drill bit

MATERIALS LIST (Angled planter, large)

One 3' 1 x 4 (3/4" x 3 1/2")
One 1' 2 x 12 (1 1/2" x 11 1/2")
Two 8' 2x10 (1 1/2"x5 1/2")
Approx. 1/2 lb. 1 1/2" finishing nails
Approx. twenty 1 1/2" #8 flathead screws

MATERIALS LIST (Angled planter, small)

One 2' 1 x 4 (3/4" x 3 1/2")
Two 5' 2 x 6 (1 1/2" x 5 1/2")
One 6' 2x6 (1 1/2"x 5 1/2")
Approx. 1 lb. 3" galvanized spiral nails
Approx. twenty five 1 1/2" #8 flathead screws

MATERILS LIST (General)

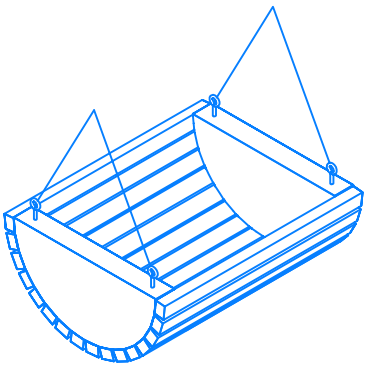
Waterproof glue
Sandpaper
Stain and varnish, or oil

Blueprints for the Handyman

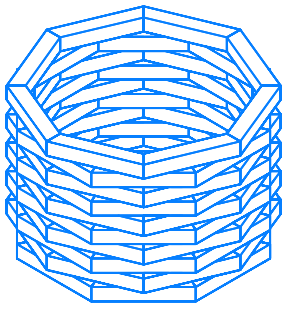
Presents the

PLANTERS

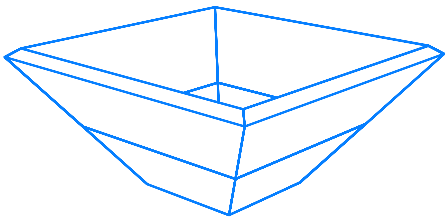
We have provided five easy to build planters for this plan, four of which can be either hanging or free standing. They are simple to build, and all can be used either inside or out.



Half cylinder hanging



Large and small Octagonal hanging or free standing



Large and small Angled free standing

SKILL LEVEL : TWO TO THREE THUMBS

TOOLS

(General)
Hammer
Nail set
Pencil and measuring tape
Hacksaw or chain cutter
Square
Protractor
Drill
1/4" Drill bit

(Half cylinder planter)
Jigsaw
Tablesaw

(Octagonal planters)
Tablesaw and/or miter saw
Handsaw and miter box

(Angled planters)
Circular saw or tablesaw
Drill
1/16" drill bit

ON MATERIALS

Use material that is free of knots. Do not finish the inside of the planters unless you are sure the finish has no chemicals harmful to the plant roots.

BLUEPRINT #310