

HART™



Wooden Pumpkin Cutouts

PROJECT PLAN

Finished Dimensions: 12"W x 11-5/8"H x 1-1/2"D


Skill Level: Beginner


Materials

Item	Qty
1" x 4" x 8' Board*	1
#6 x 1-1/4" Flat Head Phillips Wood Screws	
Sandpaper**: 150g, 220g & 320g	
Wood Glue	

* Board Dimensions are "nominal". Actual dimensions are smaller due to lumber industry standards. Cuts are actual length.

** Starting grit will depend on board surface condition, a rough surface will require starting with a coarse grit first.

 Grit is measured in the coarseness of the particles on the sandpaper. The lower the grit number, the coarser the paper. Heavy sanding would require 60 to 80 grit, medium sanding would require 120 to 220 grit, and finish sanding would require 320 to 400 grit. Super fine sanding would be 600 grit and higher.

 A select/premium board or plywood comes with a smoother surface finish. It is clear or has very few tight knots, and it will have straight and sharp edges. This grade of wood pairs well with other boards or panels better and requires less time to sand and finish.

Tools Used



Miter Saw

or



Circular Saw



Drill/Driver



Jigsaw



Orbital Sander



20V 1.5Ah Battery



20V 4.0Ah Battery



Charger



Tape Measure




Phillips Dr. Bit



Safety Glasses

Also Needed:
Clamps

 **Battery Tip:** A 4.0 Ah battery is recommended to be paired with high amp draw tools for maximum efficiency.

Lumber Cut List

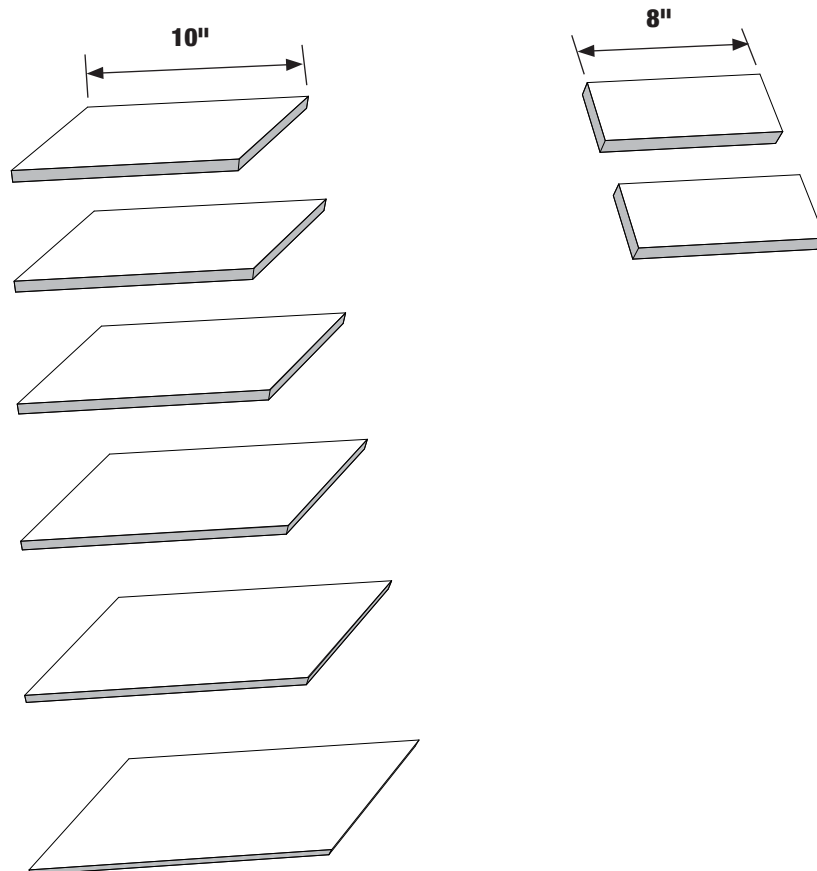
Board*	Description	Cut to	Qty
1" x 4"	Chevron parts	10"	6
1" x 4"	Backing boards	8"	2

* Board dimensions are "nominal." Actual dimensions are smaller due to lumber industry standards. Cuts are actual length.

Lumber & Sheet Layout Guide



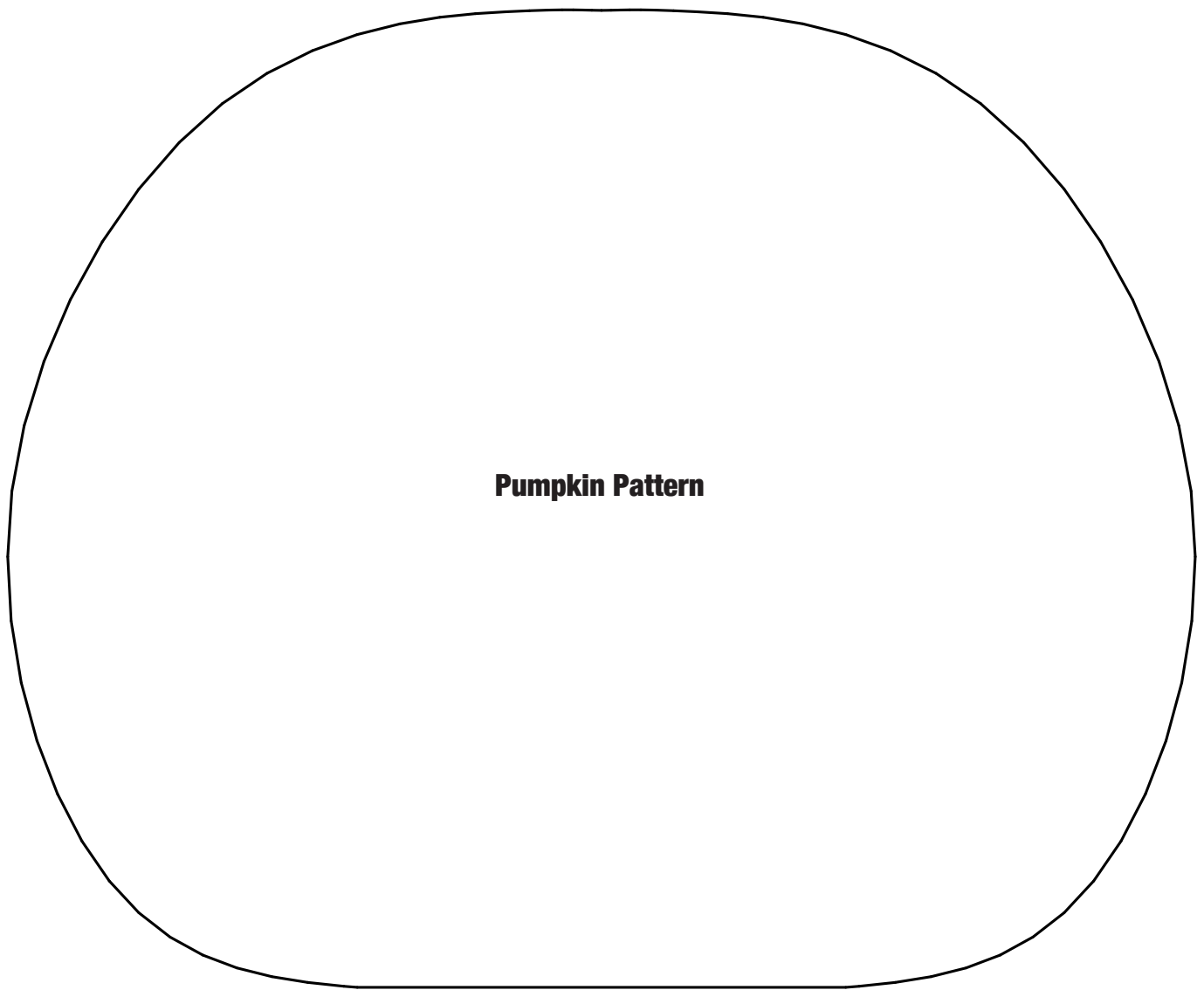
Lumber & Sheet Cut Layout Guide



Patterns & Templates

Print

To create a 12" x 10" pumpkin, scale the pattern up by 143%. The pattern can be enlarged by placing this page in a copier and scaled to desired size, or you can print this document directly and adjust your printer settings. It will need to be printed on a larger, formatted sheet of paper such as an 11" x 17" tabloid/ledger.



Pumpkin Pattern

Assembly Instructions

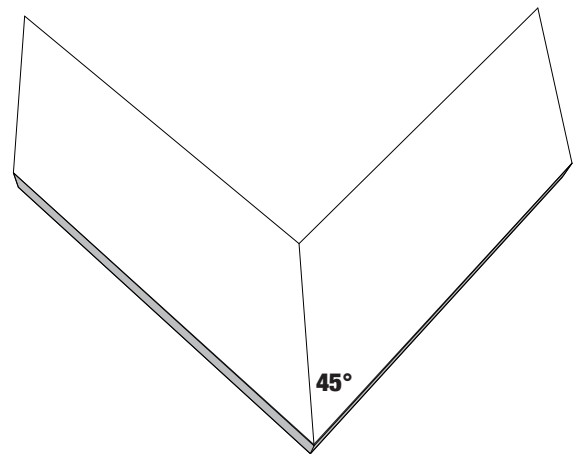
Step 1

Cut out all material using the Lumber & Sheet Cut Layout Guide.



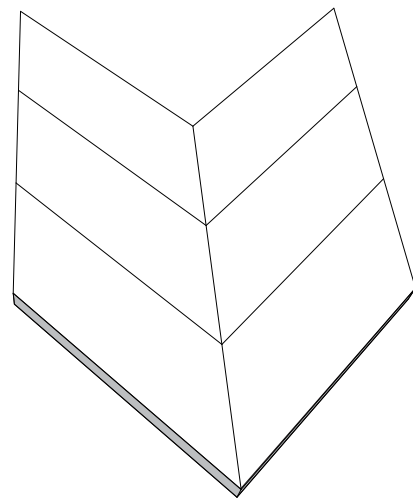
Step 2

Take (2) of the 10" boards and align the angled cuts as shown.



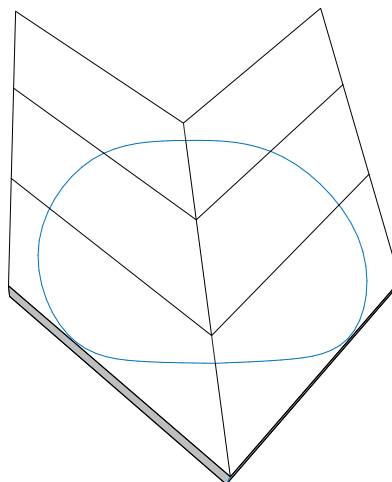
Step 3

Do the same with the other (4) 10" boards and stack them above the first (2) to create the chevron shaped pattern.



Step 4

Take the enlarged pattern and cut it out to create the pumpkin template. Place it on the back side of chevron pattern. Lightly trace around the template.

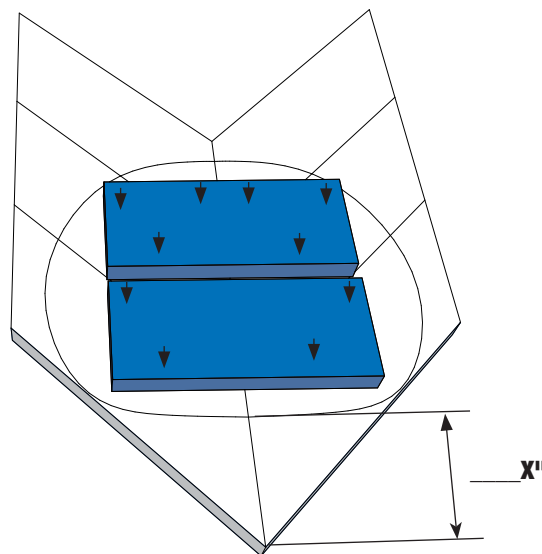


Step 5

Align the (2) 8" backer boards inside the tracing.

Attach with #6 x 1-1/4" wood screws. Screw placement will be determined by breaks in the board underneath. Make sure each 10" board is attached to the backer boards. Screws should be 3/4" from any edge at a minimum to help prevent splitting. Your screw pattern may look something like the diagram.

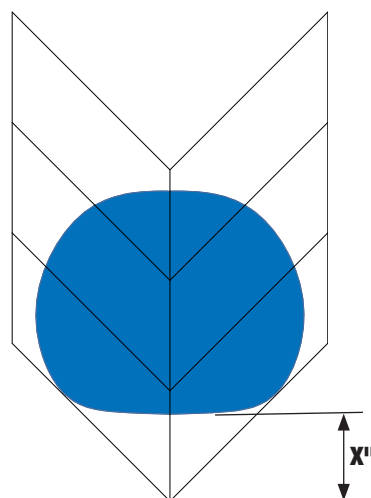
Measure from point of chevron to bottom of the pumpkin and record the distance.



Step 6

Flip the board assembly over to the front side. Measuring from the chevron point, mark the distance recorded in Step 5.

Realign the pumpkin template and lightly trace.

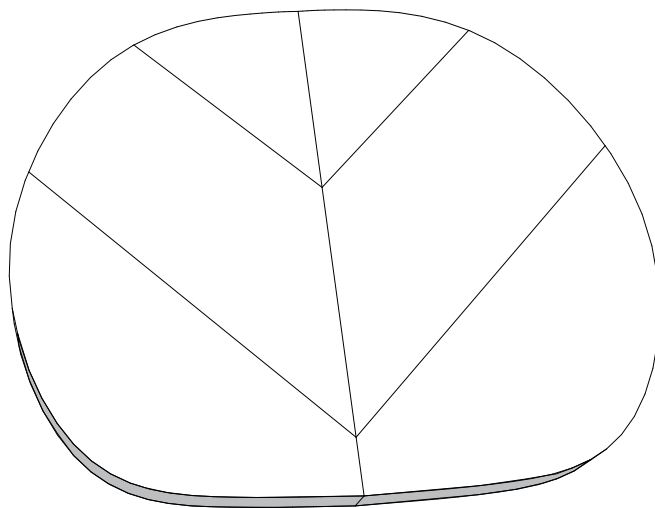


Step 7

Clamp the assembly to a supported surface.

Using a Jigsaw, cut along the traced line.

Sand edges to create desired look.

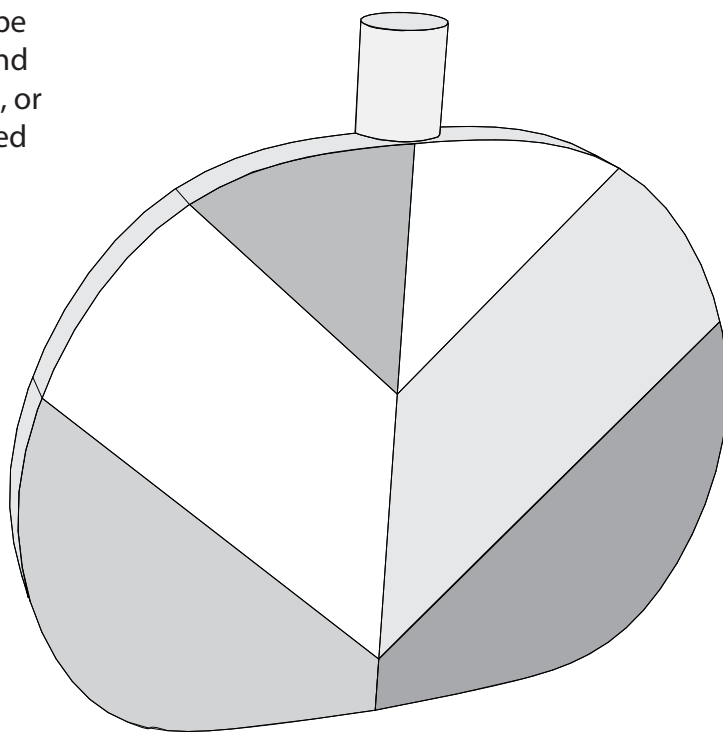


Step 8

Add a stem to the top of the pumpkin. Stems can be made from several materials you have laying around such a scrap piece of board, a cork, wooden dowel, or a dry branch from a nearby tree. Stems can be glued in place.

Decorate and finish the pumpkin to your desire.

Project complete!



Rougher finish – Use 60-80 grit sandpaper to hand sand with the grain of the wood.

Smoother finish – Use 60-80 grit sandpaper to remove scratches & imperfections.

Followed by using 120-220 grit to smooth.

Finish Sanding – Use 320-400 grit sandpaper

Super fine sanding – Use 600+ grit sandpaper

