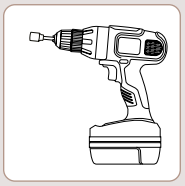
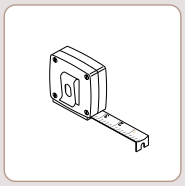
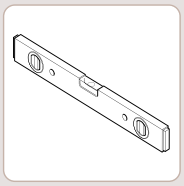
Gazebo/Pavilion Kit Instructions

What you'll need

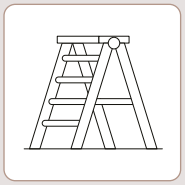

Drill with 7/16" Socket Bit

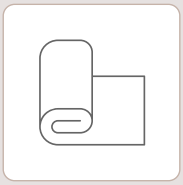

1/8" Wood Drill Bit


Tape Measure


Level


Pencil


Step Ladder


Tarp or Rug


6 to 8 People
(A mechanical lift is recommended for this build)

Lumber

When purchasing your lumber, always take a bracket with you to ensure a proper fit.

Brackets use standard lumber. • 4"x4" (3.5"x3.5") • 6"x6" (5.5"x5.5")

Step One

Place the lumber on the ground in your desired configuration (e.g., outer overhang, crossmember position). Adjoin the appropriate brackets at intersecting points, as shown in the image.

Once everything is laid out to match your vision, secure the brackets to the lumber using lag bolts. Repeat for all remaining A-frames.

*Note: Upper peak brackets are designed so the peak timber rests atop the two adjoining side timbers. Align those side timbers with the inner flange of the peak bracket to leave a cavity for the peak timber.

Step Two

Before lifting, measure from the peak to the bottom of the vertical timbers to estimate the structure's height. Make sure you have the right ladder or scaffolding to support the upper section. With at least three people, carefully tilt one A-frame upright, avoiding excess pressure on joints or brackets.

Have helpers hold each leg to prevent tipping or lean it against something stable. Repeat the process for the second A-frame until both are vertical.

Step Three

Connect the two A-Frames together with the lower connection timber (as shown in image) and secure with lag bolts.

Step Four

Repeat step 3 on the other side of the A frames

Step Five

Place peak timber at the top of the structure and secure with lag bolts.

*Note, peak timber will need to be longer than the lower pieces used to connect the two A frames together, since the peak bracket spans the entire length of the structure and rests on the outer A-frame timbers. Therefore, you'll need to either buy a longer timber for the upper peak timber or cut down the lower connector pieces that butt up to the A frame timbers.

Step Six

Customize. Congrats, you've just assembled your gabled roof structure! Now is where the real fun starts; whether you're building a carport, pavillion, or storage shed, you now have the bones in place to help it come to life.

NOTE

While this bracket kit allows for extensive design flexibility, it's critical that no timber span exceeds 12 feet unsupported, to reduce the risk of sagging over time. Additionally, this kits purpose is to provide the base structure/shape, its intended use is to have added stability based around your specific use case for the structure. Here are some ideas of how to add rigidity:

Adding joists with bjorns Joist Hangers to support roofing or simply to make the structure more solid.
Installing privacy walls or outer gussets for lateral support.
Using center supports or diagonal bracing.
Cementing vertical posts into at least 18" of concrete
Reinforcing your roof with rigid materials for increased load capacity.
Anchoring Foot Brackets to a solid concrete pad

*Not sure how to add stability to your build? Recommended to consult a local contractor.