

How to Install a Pole Barn

These instructions assume that user has a rudimentary understanding of general construction practices or they would not be attempting to install a pole barn on their own.

- Start by squaring your building and marking with a string line and batter boards. (Pull diagonal measurements from corner to corner in both directions. When measurements are the same building is square)
- Whatever the call out size of your barn, that needs to be the outside to outside dimensions of your poles.
- Holes should be no less than 2' and no more than 4' deep and just large enough for the post and concrete.
- Poles on the side wall will be spaced in 12' increments with the first and last bays being spaced 12' from outside to center and the interior bays being spaced 12' center to center of the post. (this assumes barn is an increment of 12', for other sizes adjust accordingly)
- Trusses are built to fit an inside post dimension of 11" less than the call out. Ex) 24' wide barn = 23'1" inside to inside of the posts. But it is always a good idea to assemble all trusses and verify inside dimensions.
- After installing post and letting concrete setup over night posts should be topped off at a level height.
- The first truss should then be installed with the lags provided and braced in a level position. If the first truss is not level then successive trusses will not be level and you will not be able to level once all roof purlins have been installed.
- Install second truss and secure to first truss with 14' boards and short silver screws provided. If barn has no overhang then use 12' or 10' boards depending on bay size.
- Repeat as needed using 12' boards for interior bays and 14' board for exterior bays.
- **Barns with gable overhang only!**
- Once all boards have been installed decide which gable end you will begin with and measure 16-1/2" from outside of truss and trim excess off of the 14' boards installed earlier.
- Using Pressure Treated fascia boards supplied cap the ends of the trimmed boards.
- Now measure from the face of the PT fascia board down the length of the barn and trim opposite purlin boards and install PT fascia board. Finished dimension should be 3' longer than call out of barn. Ex.) 24x24 barn roof should measure 27'.
- Pull diagonal measurements from corner to corner in both directions to make sure roof framing is square. Repeat on other side.
- **For barns without overhang!**
- You should have used 12' or 10' boards and should not have any overhang. Board ends should be flush with truss. Install fascia board as is.

- Pull diagonal measurements from corner to corner in both directions to make sure roof framing is square.
- Now you can install roof sheets.
- Start with the gable end you began with earlier.
- ****Crucial****
- 1st sheet must be square or following sheets will start to cheat up or down accordingly.
- Leave about 1” of overhang on gable end and no more than 4” of overhang on eaves.
- Put a few screws in each sheet just to hold them secure and install all screws.
- Once all sheets are installed and square pull a string from one side to another secured on the outermost screws on each run.
- Now you can install screws in a straight line. Repeat for each row of purlins and repeat on other side.
- Standard barns only come with ridge cap for trim. Screw ridge cap directly into metal roofing on every other high rib. Overlap at least 3” on successive ridge cap.
- Enjoy your barn!