

Recommended Classic Panel Metal Roofing Installation Instructions
Caudill Truss & Metal

1. Measure the roof or building correctly. Make sure you measure both sides of the building and do not ever assume that the rafter lengths are the same. Metal roofing can be cut to the inch for the panel length from our factory. So if your rafter length is 16'10", it can be cut; the machinery will not cut panels shorter than 3'. However, you can cut the panels with tin snips if you need pieces shorter than 3'. Metal roofing is 38" wide, however the panels need to overlap and therefore the actual coverage of the Classic Panel is 36". Figure the job for 36" wide panels.
2. When cutting the metal roofing or trim for any reason, make sure you use tin snips and always remove all shavings. **Do not for any reason turn a saw blade backwards and cut metal roofing. Do not use a saw!** The sparks will burn the paint on the metal roofing and the actual heat from the blade will destroy the metal roofing and void any warranty.
3. Do not install metal roofing below a 3/12 pitch.
4. A good way to figure the amount of screws per job is 2.6 screws per linear foot. Obviously, different people will figure their jobs uniquely and will use different amounts of screws. However, we recommend placing the screws figured for 2' spacing on the purlins of the roof, we also recommend placing the screws figured for 3' spacing for the walls of the structure.
5. Always have a vapor barrier underneath metal roofing. The highest of recommendations is Single Bubble Wrap with foil on one side. Install the foil side facing the sky or outside of the building. The white side should face the inside of the building. Tape together the edges of the bubble wrap. When installing any form of underlayment/vapor barriers, **Do not use "button cap" roofing nails.**
6. When re-roofing a shingle roof with metal, do not install the metal roofing directly on a shingle roof. We recommend installing furring strip 1x4's down, then applying single bubble wrap overtop of the strips, and finally installing the metal roof.
7. Always place fasteners in the flat of the metal roofing. The thought process is, "The washer is flat, this metal area is flat, therefore it provides the best seal in the flat." It is often very difficult to place the fasteners in the ribs of the metal roofing; therefore the fastener can jump off the rib when attempting to screw the fastener and will harm the metal roofing. Also the rib is rounded; therefore you are not likely to get a good seal between the metal roofing and the washer.

8. When beginning a metal roofing job, it is best to start with applying the trim that goes under the metal roofing like, Drip Edge, and "W" Valleys. We recommend using Expandable foam closures when installing "W" Valley's. Then begin installing the metal roofing panels.
9. When applying trim, specifically Ridge cap, we recommend using a bag of 2" fasteners. When applying Ridge cap and gable trim/outside corners, screw through the area where the hem is. When applying outside corners or gable trim, we recommend using metal roofing sealant or butyl tape between the metal panel and the hem that will be screwed down. If you do not do this, there will be an unsealed hole on the metal roofing panels. When specifically installing the Ridge cap, place the fastener in the hemmed edge, and then through the major ribs of the metal panels sinking into the wood substrate.
10. We recommend installing outside & inside closures to keep insects, birds, etc, from entering the roof system. Vented outside closures are also available, which does an excellent job of protecting your roof from pests while allowing your house to breathe under the Ridge cap.
11. We recommend using pipe boots to seal around sewer and other pipes. Measure the width of the pipe. Purchase the appropriate sized pipe boot. Pipe boots can be cut to fit the pipe. Use sealant often and liberally when installing pipe boots. Put it under the boot before fastening it to the metal roof. Use sealant around the top of the pipe boot to seal around the pipe. Screw through the base of the pipe boot to secure boot to roof. Then apply metal roofing sealant around the base of the boot anywhere a leak may be possible. The same rules apply for electrical outlets coming out of roofs. However, for electrical outlets we recommend using Retrofit boots. They go around the electrical outlet because you cannot go over an electrical outlet, due to the electrical line. We also have cans of spray paint so you can paint the boot to match your metal roof.
12. *We understand that most customers will not do this, however, we recommend purchasing one extra piece of metal per job, preferably the longest piece. Mistakes often happen when installing a metal roofing system. it is better to have an extra piece of metal then come up short. If the extra piece is not used, we advice customers to keep it and store it under their home in case of an emergency, as example... a tornado or extreme wind storms.*

More recommendations will be advised with time. If you have any questions, be sure to ask the store you purchased your products from for any advice. If your dealer does not know the answer, we will be more than happy to assist with any recommendations.