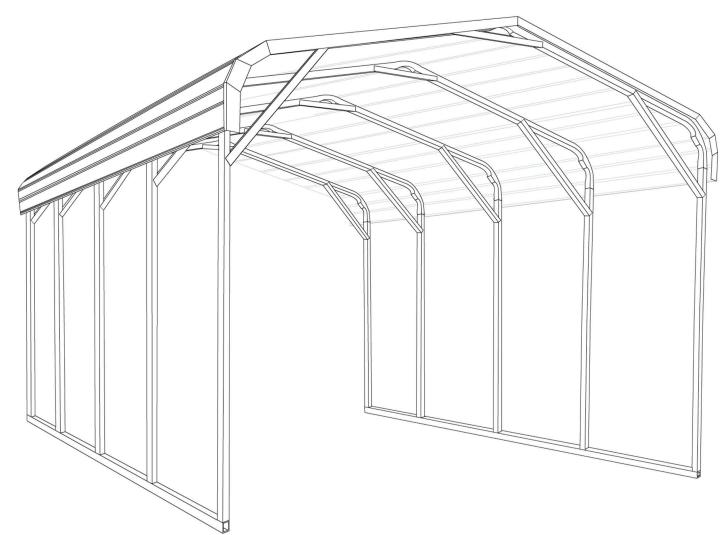
www.tubemetalshop.com

# **TUBE METAL SHOP**





- Page 2 Tools Page 3 - Parts List Page 4 - Parts List Page 5 - Baserail Setup Page 6 - Stud and sleeve connect Page 7 - Stud to truss connection Page 8 - Peak and corner Bracing Page 9 - Stud & truss to base rail connection Page 10 - Measurement verification
- Page 11 Anchoring first baserail

- Page 12 Sheet metal connection 1st piece
- Page 13 Sheet metal connection Other pieces
- Page 14 Sheet metal trim

Page 15 - Anchoring final baserail & maintenance

#### If you decide to make this an enclosed carport

- Page 16 Sheet metal side walls
- Page 17 End wall framing
- Page 18 End wall sheet metal
- Page 19 Walk-in door & window installation
- Page 20 Garage Door installation
- Page 21 Sheet metal installation tips.

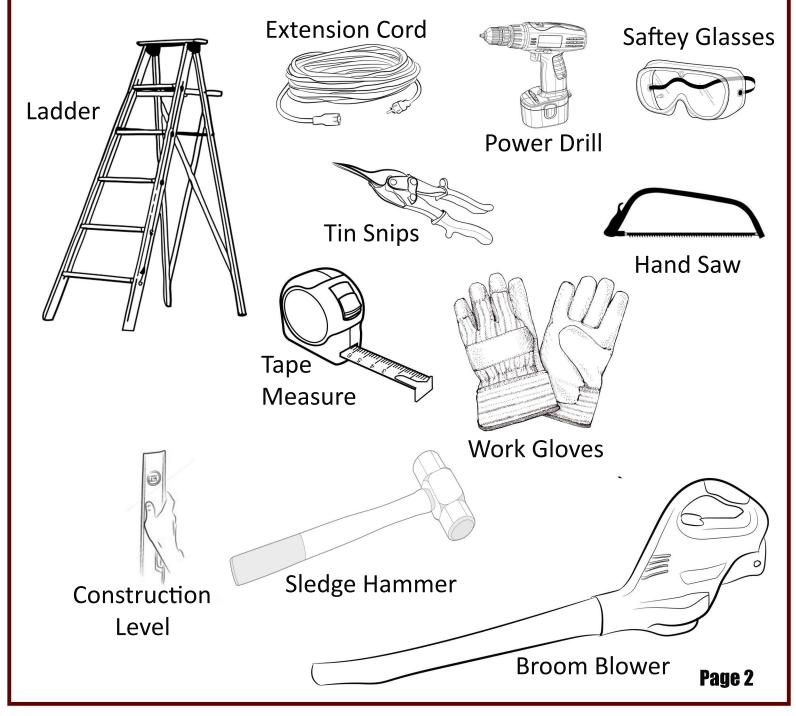
#### If you notice any parts are damaged or missing please call us at 1-866-365-3175

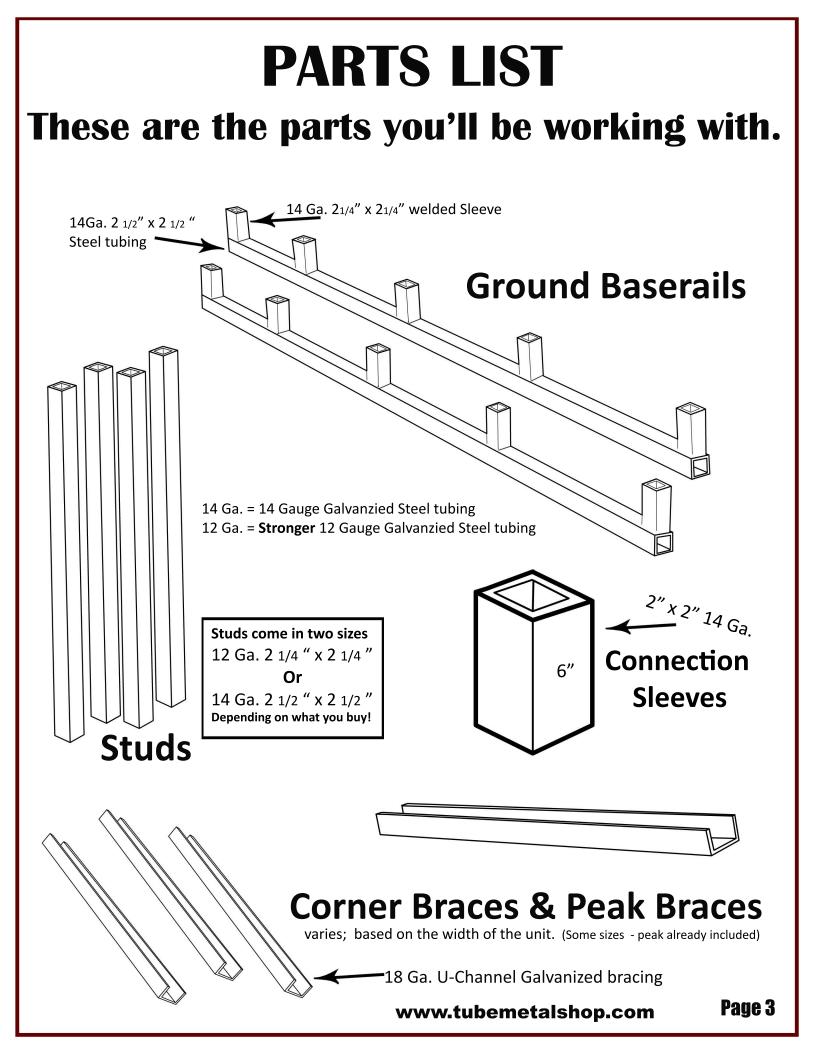
# **THANK YOU** for your business!

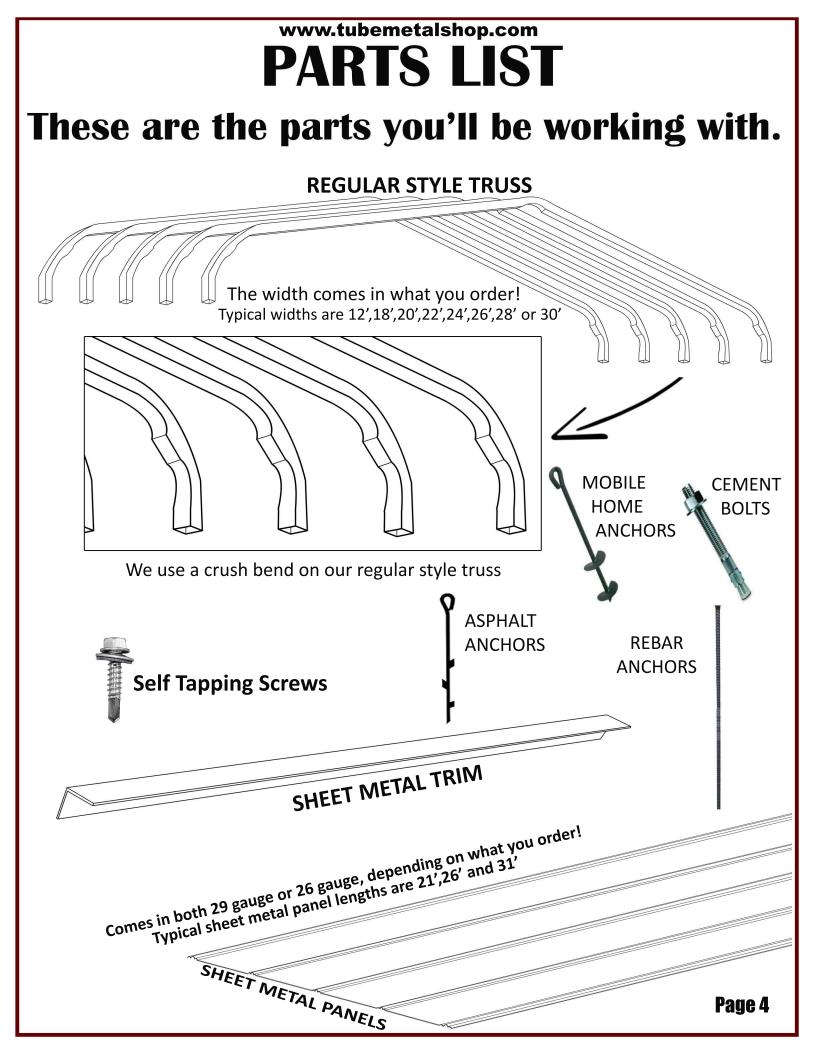
We're committed to giving you the best quality at a price you can afford. We stand behind our products! so please don't hesitate to call with questions.

## www.tubemetalshop.com

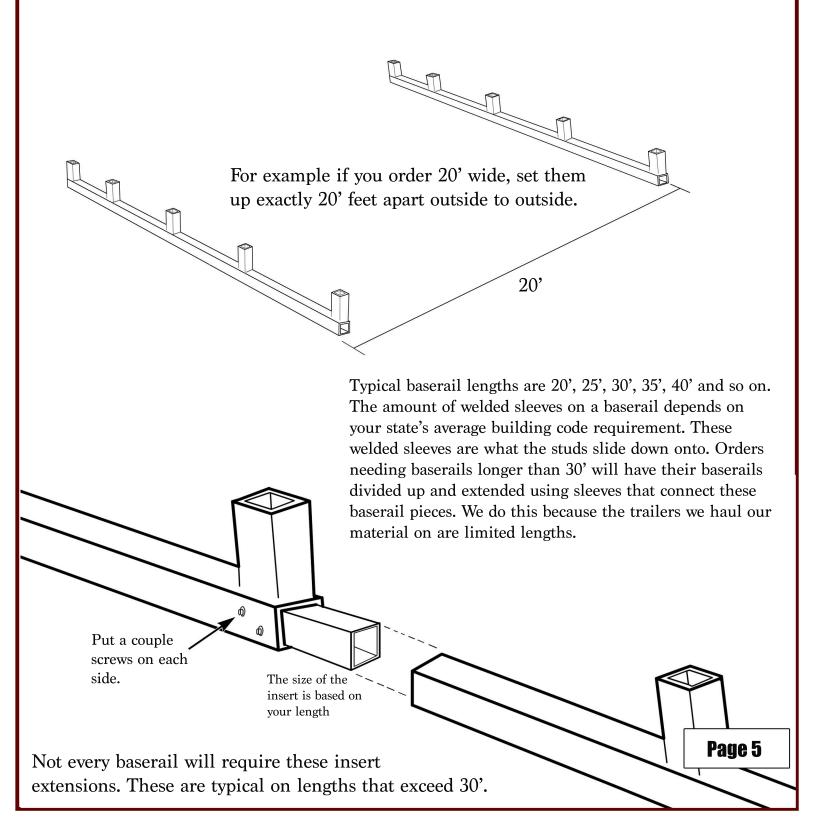
This is what you need to get started





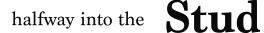


Setup the baserails on a level surface parallel to each other. Position them exactly as wide (out side to out side) as your order.

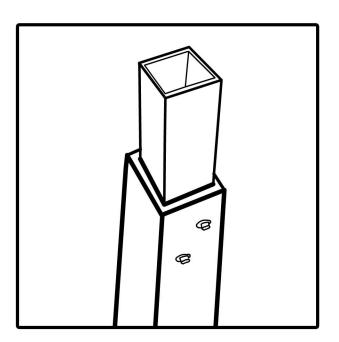


# Step 2. Stud and sleeve connect.

Insert the **Sleeve** 



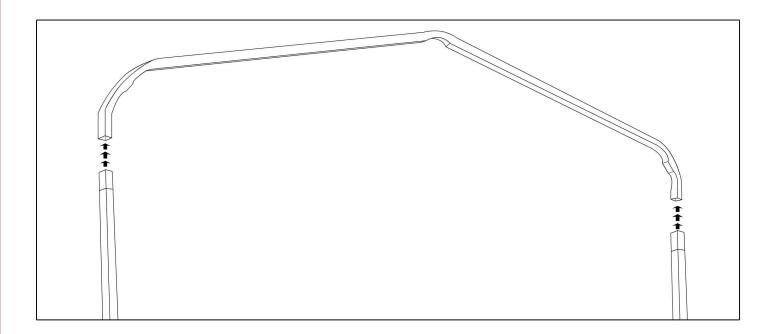
Secure with two self tapping screws on two sides. (At least 4 screws total)



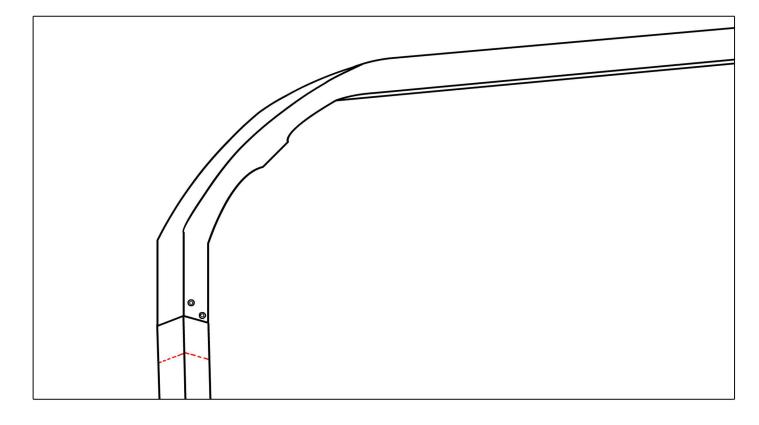
Repeat these steps for all of the studs. These studs with sleeves will slide into the trusses. See step 3 for more details.

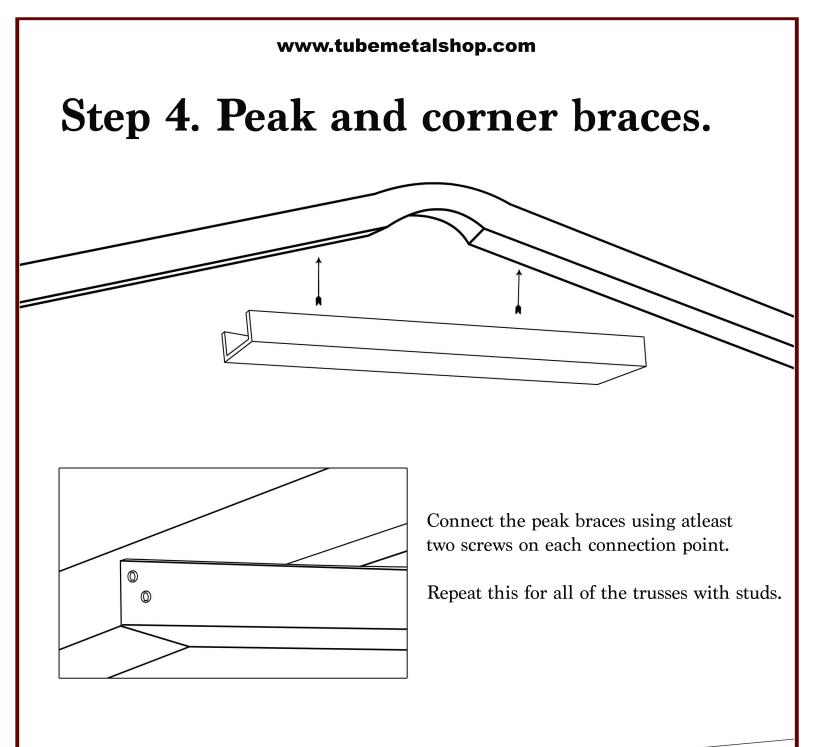
# www.tubemetalshop.com Step 3. Stud to truss connection.

Connect the sleeved studs into the trusses.



Add at least four screws, two on two different sides. Repeat this for every truss you have.

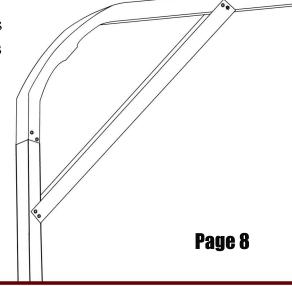




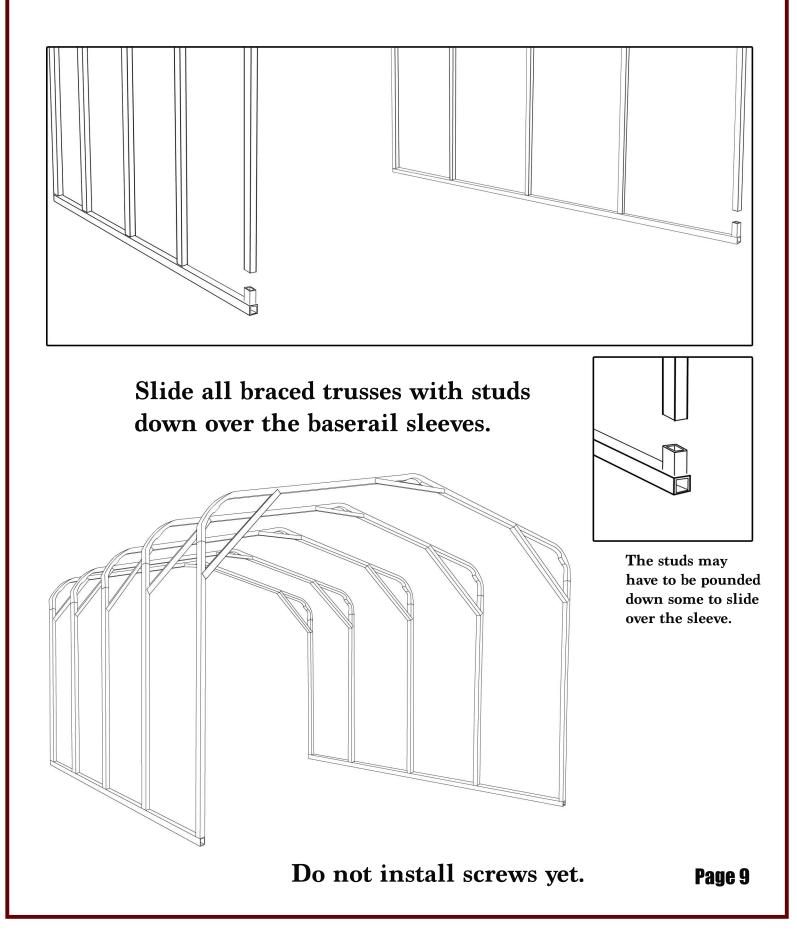
The peak brace size provided by American Steel Carports will depend on the size of your truss. Typical peak braces are 2', 4' or 6'.

Add the corner braces to the stud and truss. Add two screws on each connection point.

Repeat this for all of the trusses with studs. If your unit is enclosed, skip the four corners.



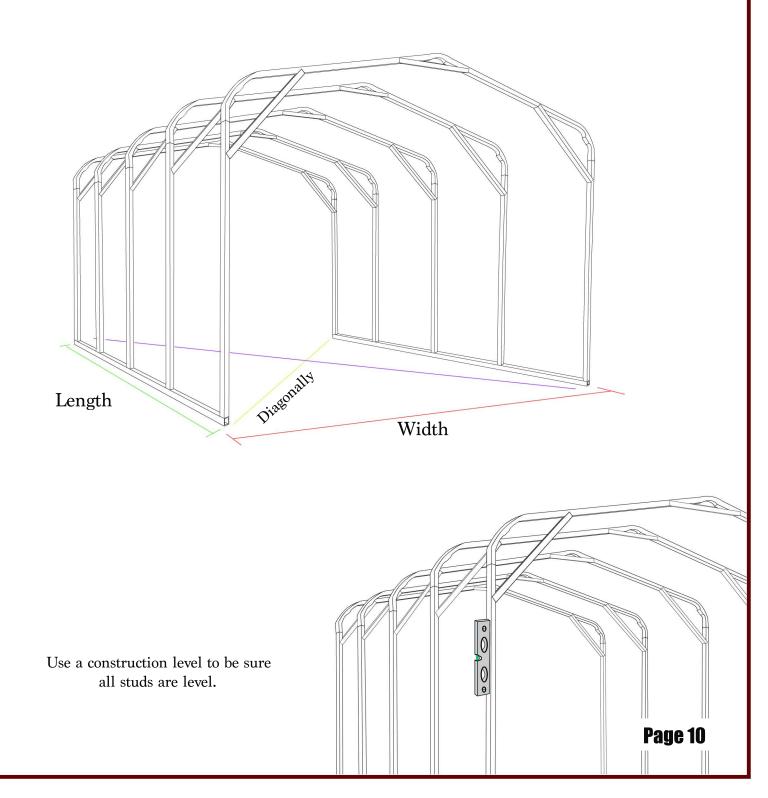
# Step 5. Stud and truss to baserail connection.



# Step 6. Measurement verification.

6.A Measure the width on both ends to verify it's your proper width.

- 6.B Measure the length on both sides to verify it's your proper length.
- 6.C Cross measure diagonally both ways, the measurements should be the same.



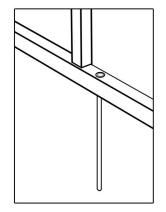
# **Step 7.** Anchoring the first baserail.

The baserail needs to be secured to the ground and stabilized for the remaining steps.

Anchor **just one** of the baserails using the provided anchors. The other baserail will be anchored in step 15.

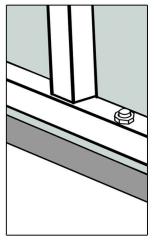
If your purchase came with a set of blue prints refer to those for anchor point locations. If your baserail came with pre-drilled holes then use those for anchor points. If your baserail doesn't have pre-drilled holes, then you will need a power drill to create them. They are typically installed with-in 6 inches of every other stud.

**Rebar Anchors** (Ground Installation)



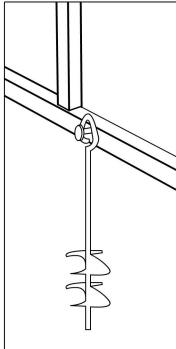
Use a sledge hammer to pound the re-bar anchors through the anchor holes, into the dirt.

Cement Expansion Bolts (Cement installation)



Refer to expansion bolt manufacturer's installation instructions.

## Mobile Home Anchors & Asphalt Anchors

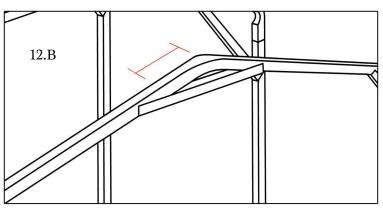


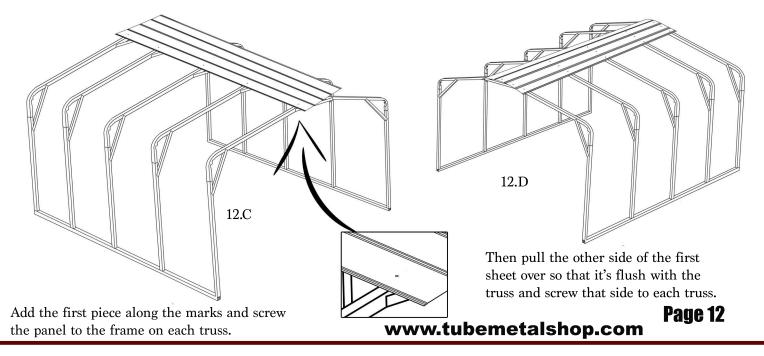
Install the anchor close to the baserail then bolt it through the loop into the side of the baserail. You will need to drill a hole the bolt size through the side of the baserail.

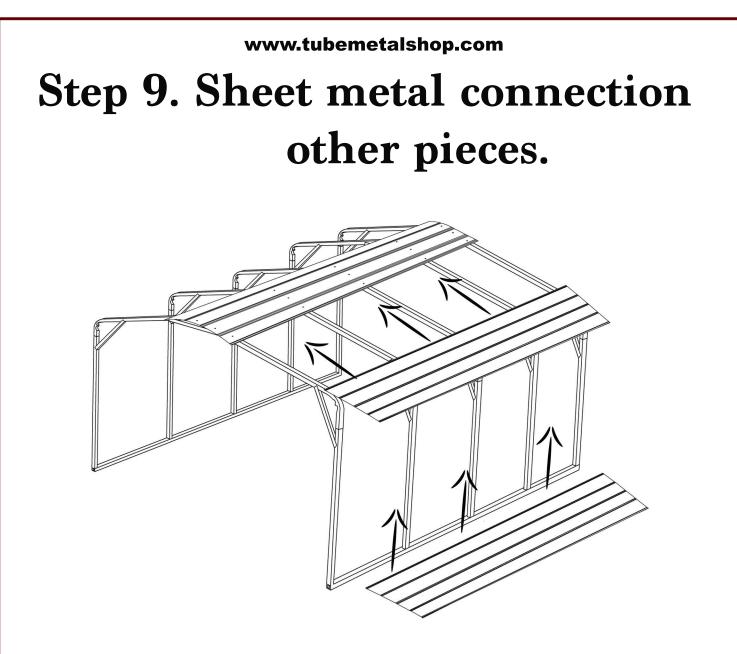
# Step 8. Sheet metal connection

Mark 6 inches on the front of the first piece and 6 inches on the back. This will be your carport's over hang.

From the peak measure 10 inches down on each truss and mark it. This will help keep the sheet metal in the best possible alignment.



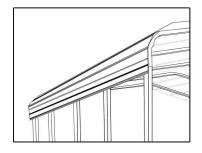


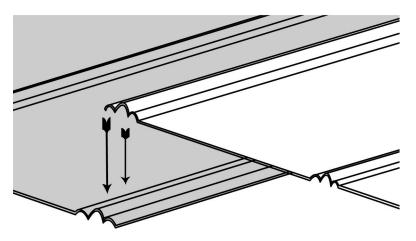


Add the other sheets by overlapping the ribs. The sheets will interlock perfectly. Screw each sheet to the trusses.

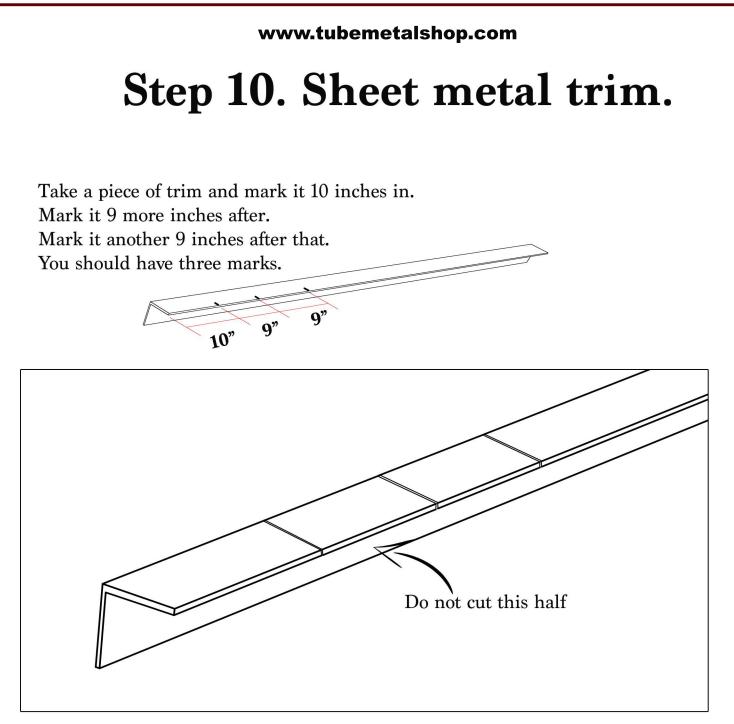
Depending on the size you ordered the sheets should wrap around and come down the side walls some.

Typical over hangs come down the side wall with-in 6-10 inches.

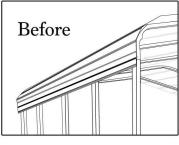


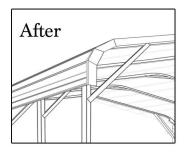


Page 13



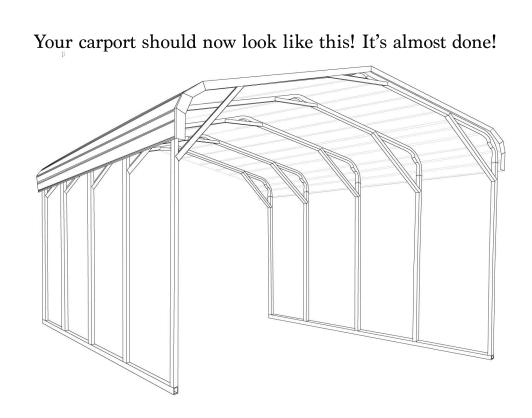
Use the tin snips to cut those marks only on one side of the L. DO NOT CUT THE TRIM INTO PIECES, JUST A SLIT. Cut to the corner.





Bend the trim to conform to the corner. Add a screw through the trim and into the larger ribs in the sheet metal. Repeat this for both of the ends.

Page 14



# Step 11. Finish anchoring

Repeat step 7 on page 11 for the final baserail.

## You're finished with your carport installation!

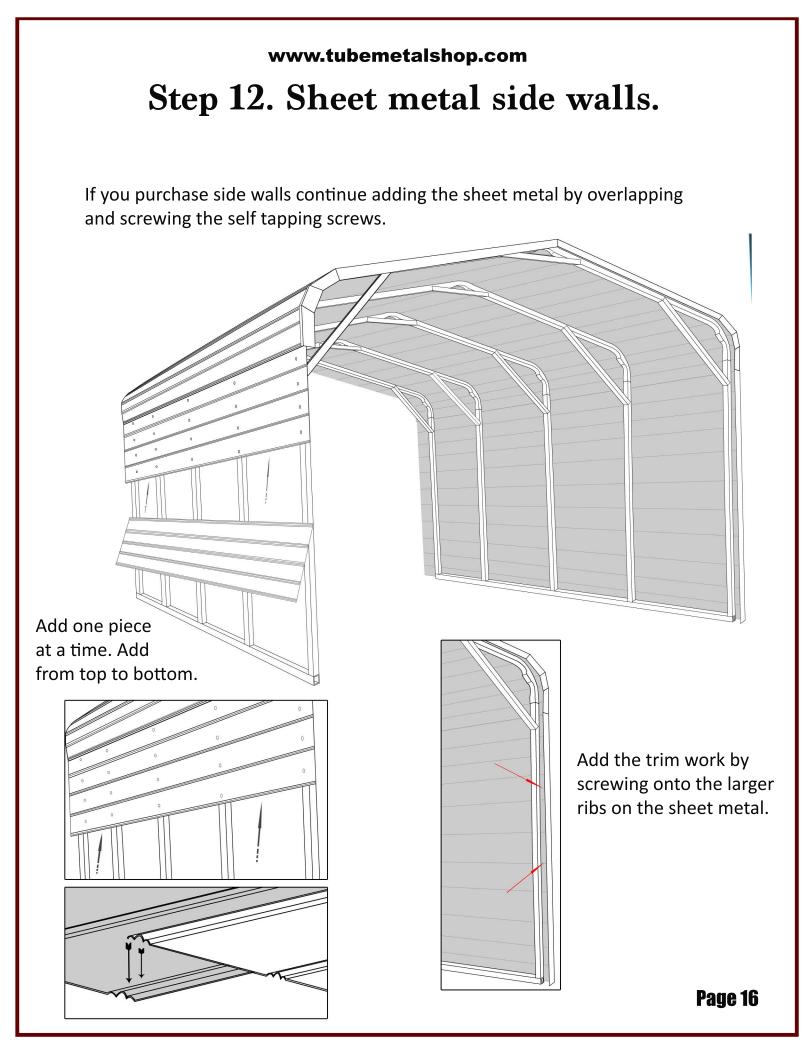
## Maintenance and care.

Galvanized metal is a specially made material that provides added protection against corrosion and oxidation, characterized by an outer coating of zinc oxide. The zinc acts both as a physical barrier for the metal and as a chemical one. Properly cleaning galvanized metal not only keeps it looking new, but also keeps the zinc oxidebarrier strong and intact. Here area few steps to use to effectively clean galvanized metal.

Rinse with a hose. Clean and scrub with warm water. Dry with soft cloth.

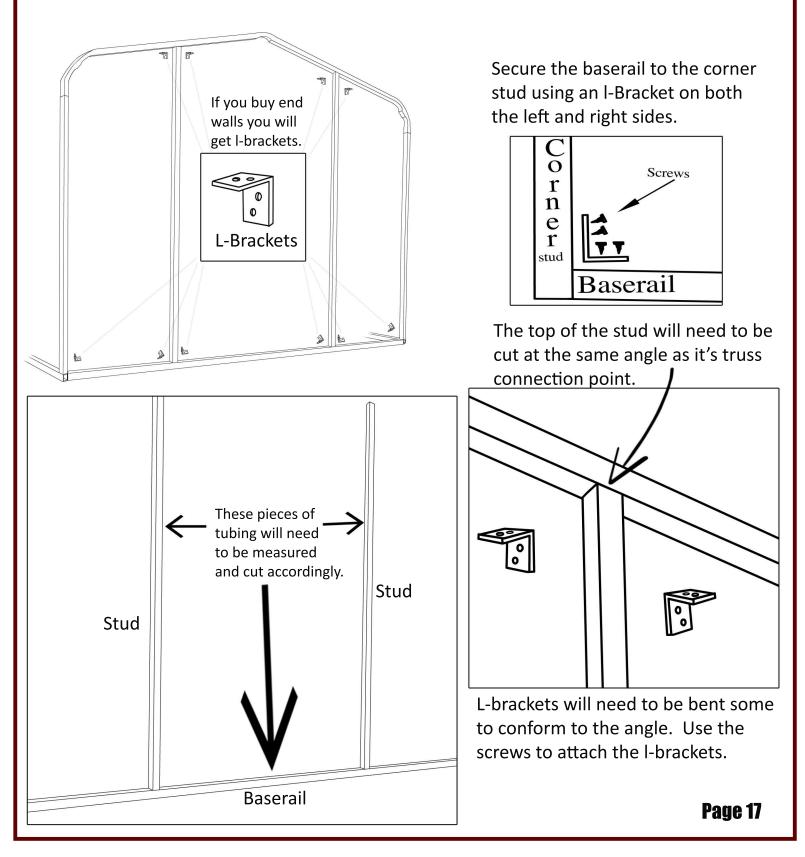
**Apply Wax** - When trying to keep galvanized metal shining throughout the years, the occasional coat of metal polish or paste wax is welcome.

Copyright © Tube Metal Shop Inc. www.tubemetalshop.com



## www.tubemetalshop.com Step 13. Framing for an end wall.

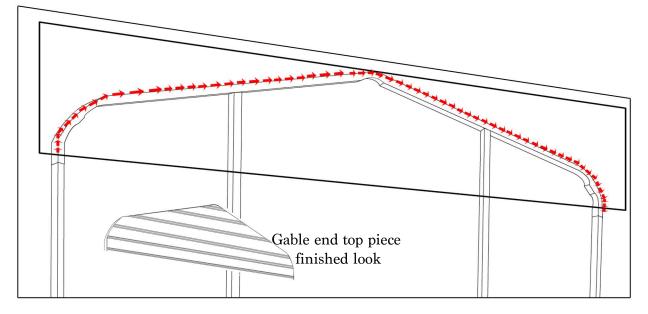
End walls will always have a baserail on the ground and studs going up to the truss. If the end wall doesn't have doors, that end's interior studs are usually set 4' to 8' apart. It all depends on your order's size. See your order's part list for a list of end wall pieces.



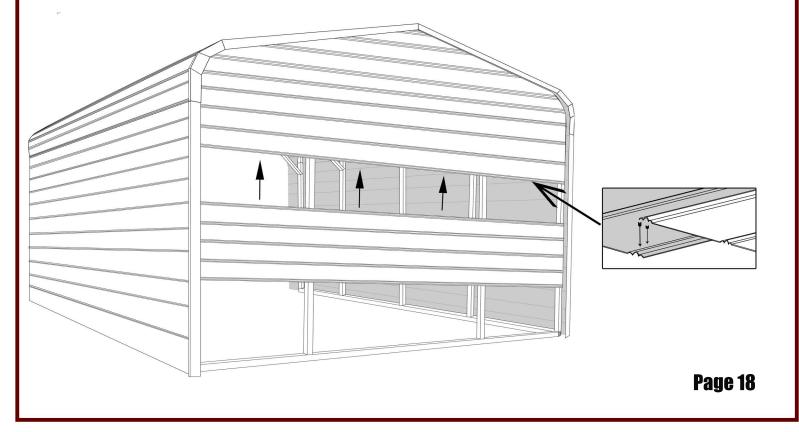
## www.tubemetalshop.com

# Step 14. End Wall Sheet metal.

The gable end top piece of an end wall is easiest to manage if you get this piece of sheet metal added while you are putting up your trusses during **step 5**.

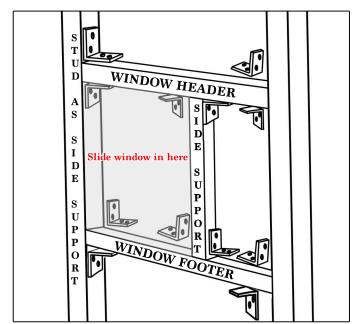


Use the tin snips to cut the gable end's sheet metal to conform. The over hang and trim will cap this area off but try to make the cuts as accurate as possible for the best finished look.



#### www.tubemetalshop.com

## Step 15. Walk-in door and window instructions.



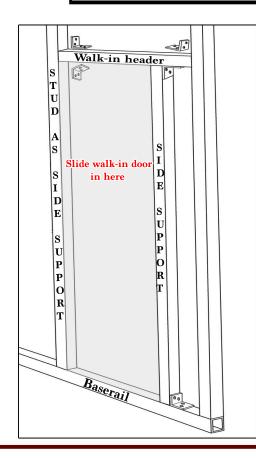
L-bracket attachments are used to connect headers/footers.

Measure the distance between two studs. Cut two pieces of steel tubing one for the window header and one for the window footer.

Cut one or two pieces of steel tubing the same height as the window. This will be the window's side support. You can also use the stud as a window's side support.

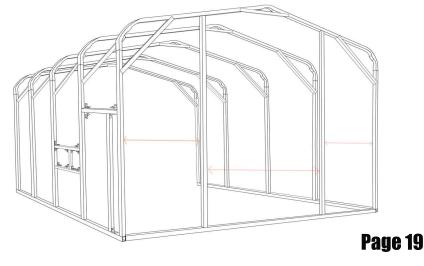
Use l-brackets and screws to connect and position all of the components together. The location for the window should be the same width and height as the window.

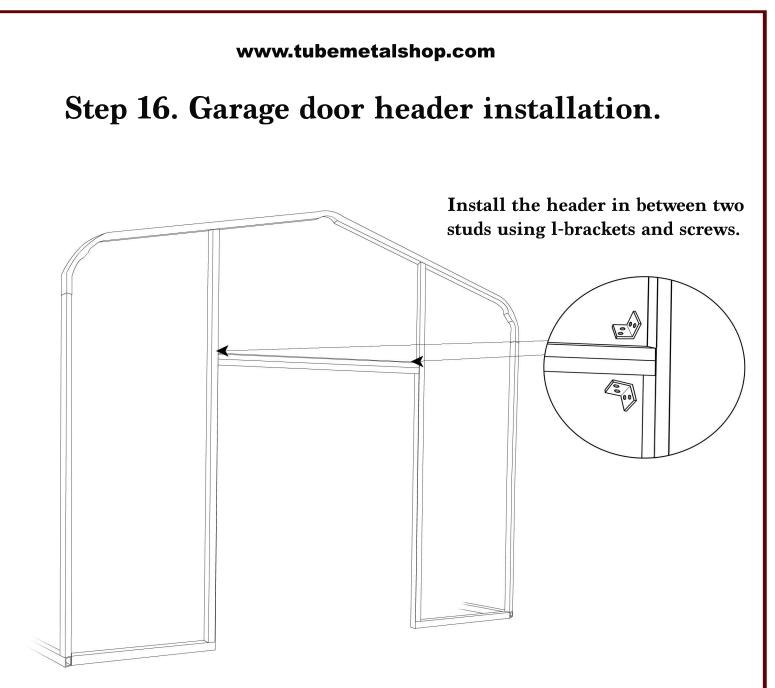
You will have to measure and cut some sheet metal. To side the area around the window/door. You will also have to measure and cut some trim to cap off the edges of the sided window/door frame out. See page 21 for example.



## Do the same thing for the walk-in door but just use the baserail as the footer.

This guide shows the methods and materials we use to install doors, windows, headers, frame outs, etc. There are many different potential scenarios for our products. You will get the required materials for your specific scenario.

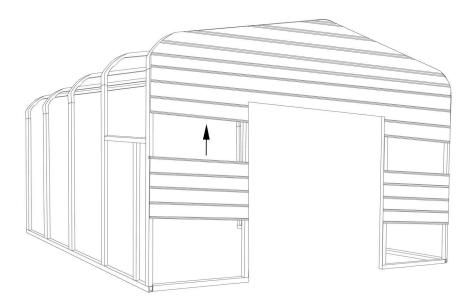




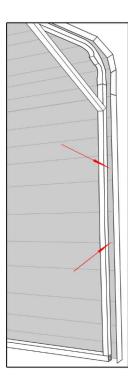
Garage doors are installed on double welded headers. The garage door frame will screw into the header and the garage door tracks will be screwed into the two studs that are holding the header up.

Refer to the garage door manufacturer's installation instructions for proper door installation. Our provided headers will be the size you specify on your order.

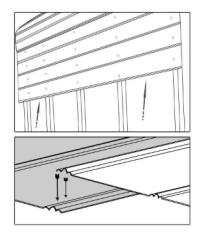
## www.tubemetalshop.com Sheet metal installation tips



You will need to cut your sheet metal into smaller pieces and puzzle them onto your structure. You can use tin snips or an electric saw.



Add the trim work by screwing onto the larger ribs on the sheet metal.



Measure the perimeter of the door or window frames and cut the trim into smaller pieces to puzzle them around your frame out.