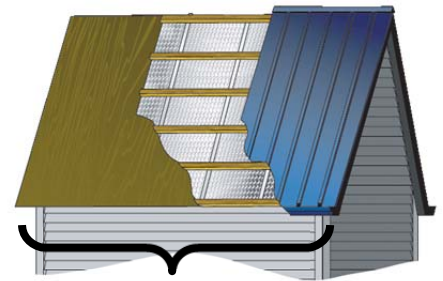


Reroofing with Metal - 101

These basic steps are used to go over an asphalt shingle roof with metal.

Generally, you may put metal roofing on top of 1 to 2 layers of shingles, but you must check with your town's building inspector first.



Drip Edge placement

1 Prepping the roof:

If you have a bad ice problem *and* are using purlins, put Astrofoil (aka double-bubble) [foil side] down first. This will help, but insulating your attic is a better bet, because ice is formed from heat loss.

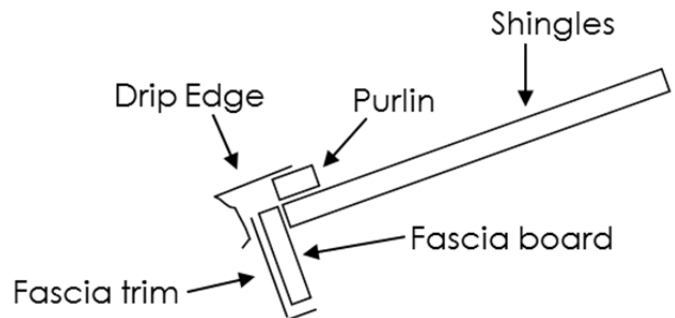
Nail purlins the length of the roof, 2' on center, starting at the eave edge.

If no purlins are used (not the preferred method), lay titanium underlayment or felt paper on top of the shingles.

2 Install the Drip Edge along the eave.

Drip edge may also be used on the gable ends.

Gable/Rake trim could be used on the gable ends, but that would go on *after* the steel panels.



3 Venting pipes

Cut holes in the steel panels to accommodate placement of pipes that come through the roof.

Make squares from purlins to surround the pipes. These will be used to screw in the pipe boots. Nail or screw the purlin squares into the roof.

4 Install the metal panels

Install the panels, leaving a 2" overhang past the bottom purlin/drip edge.

Use 1" screws to screw the panels to the purlins using our recommended Screw Pattern.

6 Install the Ridgecap

Use 1-1/2" screws to screw through the high ribs.

7 Install other trims (sidewall, endwall, gable/rake, etc.)

8 Install the Pipe Boot Flashing

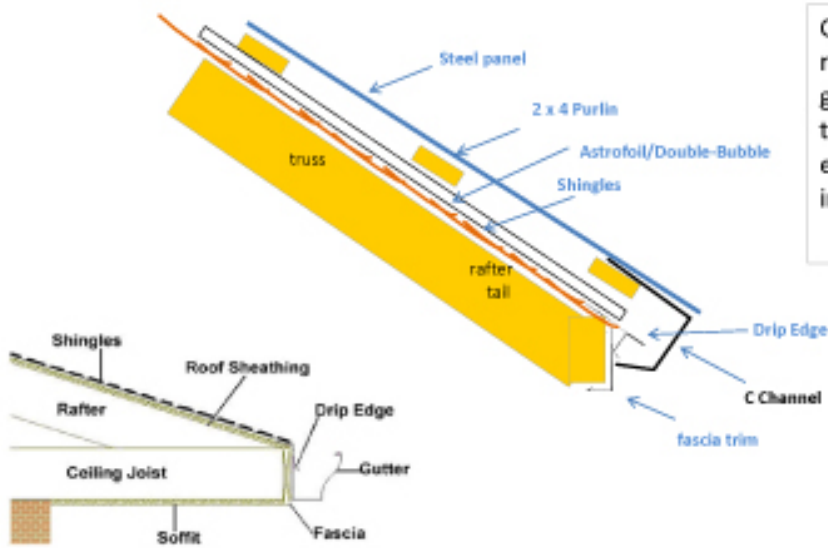
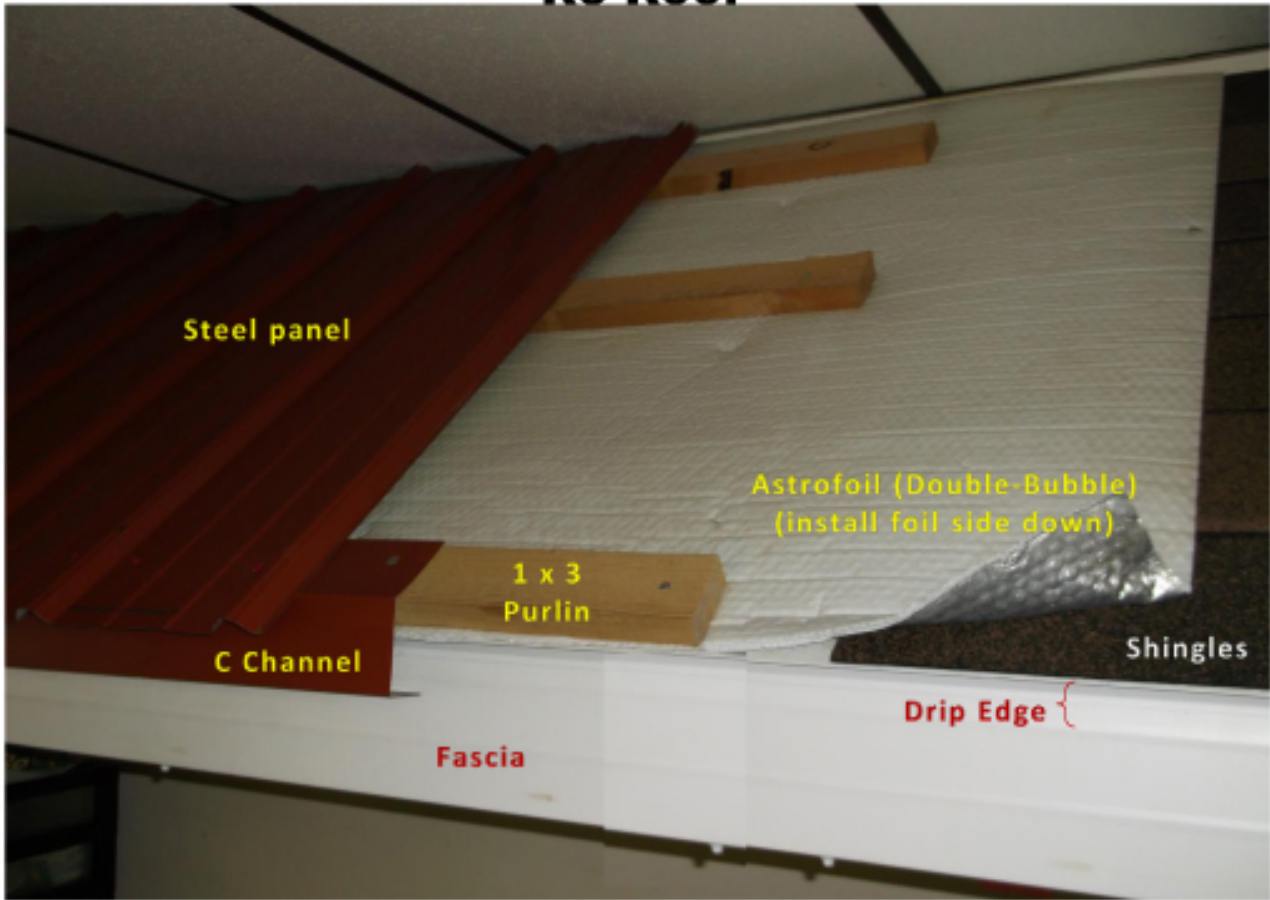
Use Solar Seal caulk and screw through the boot into the steel panel and purling square.

9 Install Snow Guards (Can be found on our website at www.HouseofSteelWNY.com)



Check out the installation videos at:
<http://www.unioncorrugating.com/installation-videos.html>

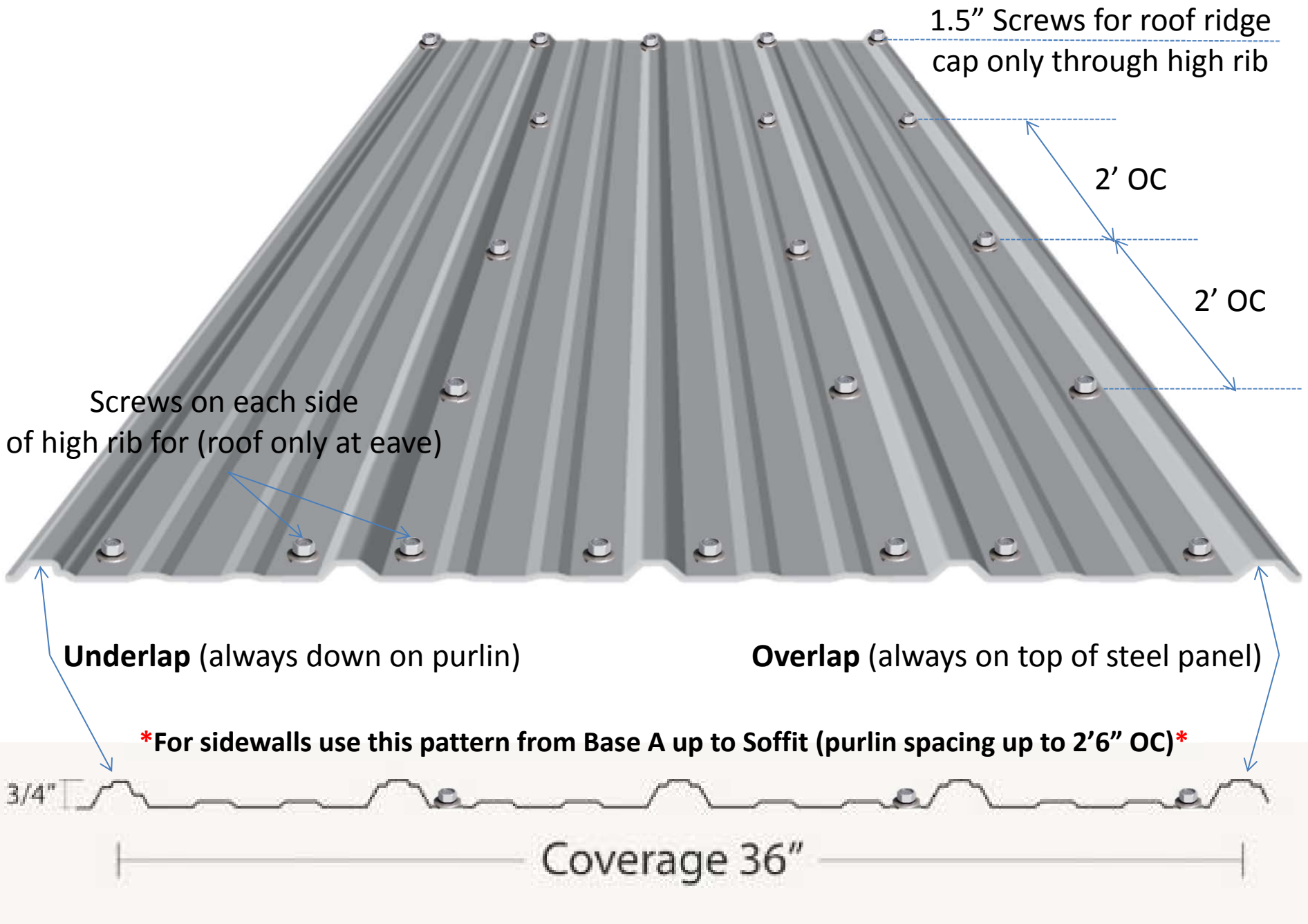
Re-Roof



C Channel is typically used in a re-roof situation, but not if gutters are to be installed as the C Channel does not leave enough room for gutter installation.



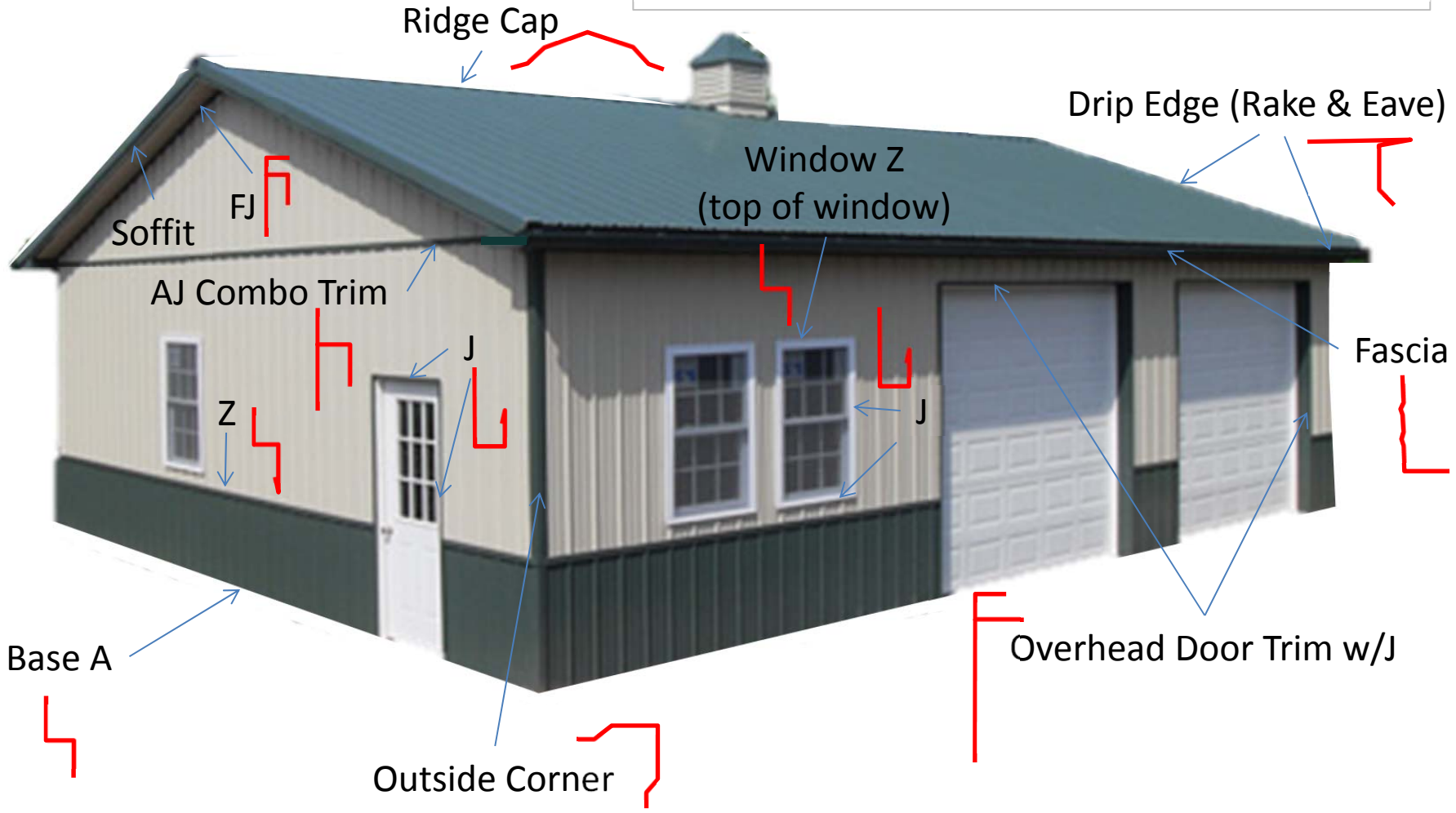
Screw & Panel Placement



Trim Placement & Profiles

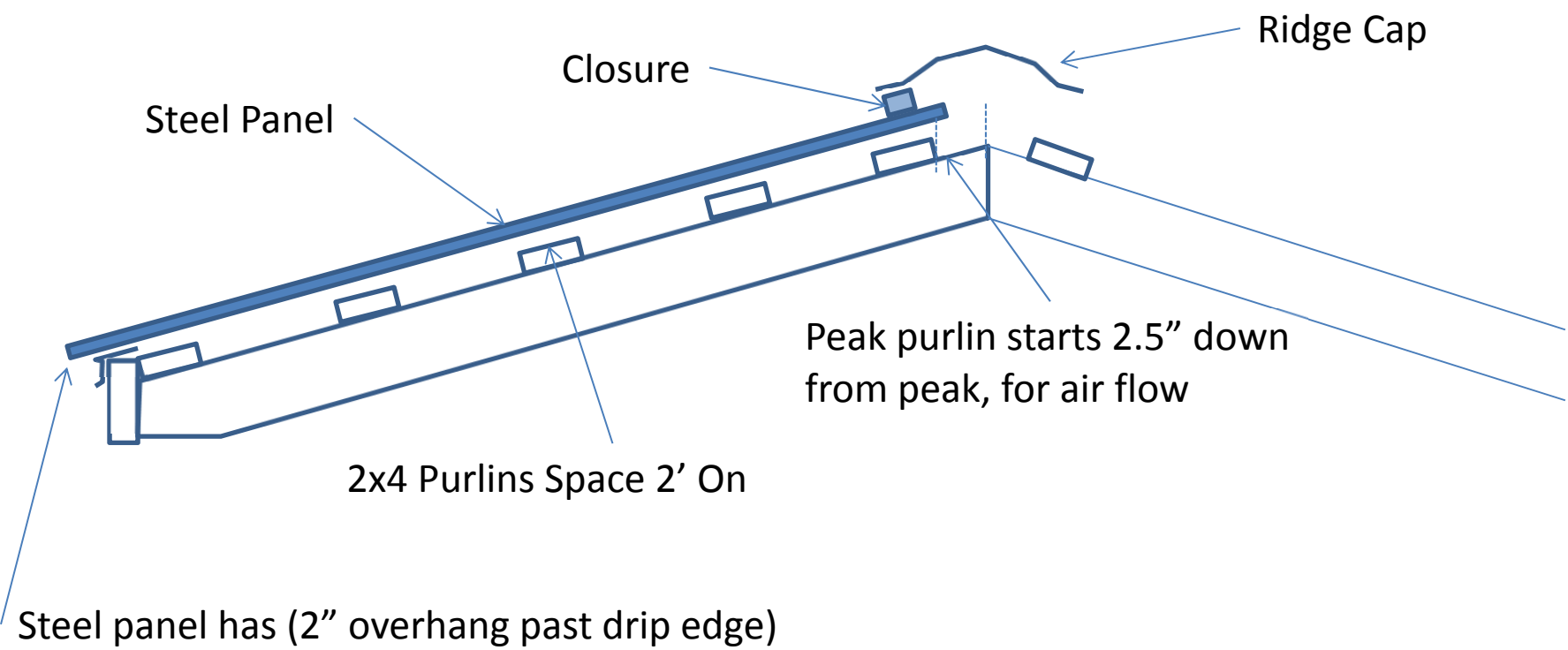


Check out the installation videos at:
<http://www.unioncorrugating.com/installation-videos.html>



RED lines are the profile of trims

Roof Steel & Purlin



Note: Closure is recommended at the peak and can be vented or solid. Closure at the eave is not necessary, left open only aids in added air