



WHAT IS THE ROOF HUGGER MODEL T AND WHY DO YOU NEED IT?



Model T for Trapezoidal Panel – Patent # 8,024,906 B1



Model T for Vertical Rib Panel

Part of metal framing design concerns “roll”, the tendency of a structural member to rotate from its intended axis. Metal building zee purlins are the members most contractors would be familiar with, along with that pesky bridging that manufacturers make you install in between the purlins to keep perpendicular to the frames they attach to.

When you are doing a retrofit, the sub-purlins have the same roll tendency. When the loads are high enough, due to snow drag, roof pitch and panel length, or the old roof is mounted on a tall clip or over a compressible material, like rigid insulation or thermal blocks, we must find a way to resist that roll.



Trapezoidal Panel on Tall Clip



Anti-Rotation Arm Being Attached

The patented Roof Hugger Model T was designed specifically for these situations.

In snow country it is very common to have snow fencing or snow guards on the roof. They prevent snow avalanches off the roof eave but also can create a significant drag load on the roof panels and framing, depending on the pitch of the roof. The Model T Hugger will resist those drag loads.



Photo courtesy of S-5!

Roof panels mounted on tall clips present a very unique problem for retrofitting. The pan of the existing roof sheet is held 1"-1.5" above the existing purlin to reduce thermal transfer between the roof and the structure. These systems also achieve a much higher R value because thermal blocks can be installed between the roof and the existing purlins.

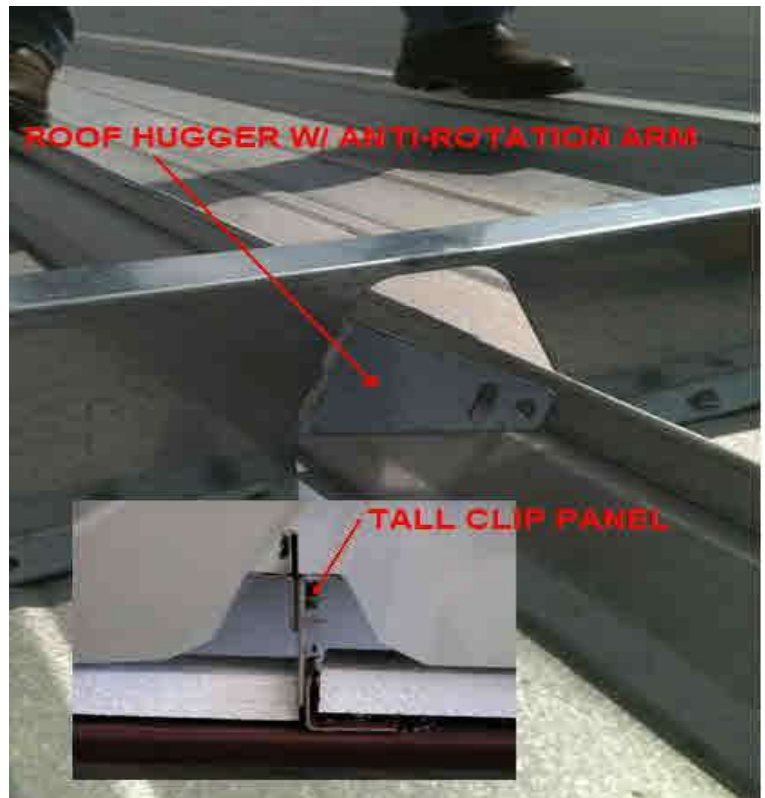
Great roof systems, but when it is necessary to retrofit them, it is very difficult to get a solid connection to support the new roof panels. Roof Hugger pioneered and patented a complete system for these roofs, lab-tested it and then brought it to the market place.

A special proprietary standoff fastener was created to properly hold the Roof Hugger in the correct position on the existing roof panels and then employs the Model T Hugger and its unique "Anti-Rotational Arm" to prevent the Hugger sub-purlin from rolling under load. The roll occurs because the material between the existing purlin and the old roof panel is compressible and any Zee sub-purlin will roll without something to resist it.

Roof Hugger's understanding of this problem and this product innovation created a simple, structurally correct, easy-to-install solution for retrofitting tall clip standing seam roofs.

This same assembly is also ideal for panels install over structural decking, rigid insulation and standing seam panels. This assembly is also prone to allowing the retrofit sub-purlins to rotate since the rigid insulation is compressible.

Trust Roof Hugger, the only company that understands these assemblies and has the correct, tested, structural solution for your project. Framing suppliers that do not address these situations will simply move the total liability for failure to you the contractor/installer.



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