

Roof Insulation Instructions (Short Tabs)

This method of roof insulation installation applies only for one half of the building or from the eave to the ridge.

Step 1: Inventory insulation with the Jobsite Copy of the Order Acknowledgement.

Step 2: Install three each flat straps or 3/8" rope around the purling next to the eave strut to the second purling over the ridge cap. Remove straps or rope after the roof sheeting has been installed and re-use for the next roll of unfaced insulation. [See Figures 2 & 3](#)

Step 3: Place 6' wide roll of unfaced insulation at the ridge and roll down towards the eave of the building on top of the straps or rope. (It may be necessary to place 3 each 2"x4" wood members from the eave strut to the first purlin to allow the insulation to roll over the eave strut). [See Figures 2 & 4](#)

Step 4: Cut insulation at the eave once it is over it. (Placing 2"x10" wood members over the purlins and over the unfaced insulation makes it easier to work on the roof and at the same time it holds the unfaced insulation down). [See Figure 2](#)

Step 5: If stalling the CFR Standing Seam Roof, install the rake angle prior to installing the first roof panel to hold the unfaced insulation at the rake or gable. Refer to the CFR Roof Installation Manual.

Step 6: If building requires "X" bracing in between the purlins, install them prior to installing the unfaced insulation. [See Figure 3](#)

Step 7: Place roof sheeting panels on top of the leading edge of the insulation to hold down insulation in the event of wind. [See Figure 4](#)

Step 8: Start installing roof panels as per the building plans. [See Figure 4](#)

Step 9: Repeat steps 2 through 8 to continue installing insulation and roof panels. Adjoin next roll of insulation to the roll already installed. (Do not overlap the unfaced insulation).

Step 10: Continue with the insulation and roof panels until you reach the end of the first bay.

Step 11: If doing more than one bay of roofing per day, repeat steps 2 through 10. See step 18 below to joint the insulation together.

Step 12: All insulation must be covered with roof sheeting at the end of each day to protect against rain or wind.

Step 13: When you complete one side of the building, then you can follow the same steps to complete the other side of the building.

Step 14: To start with the faced insulation, position one roll at a time of insulation faced with the white fabric in between the purling at the end wall or gable. The insulation is factory precut to the width in between the purlins and the length of each bay. Refer to the steel building cross sections to determine which roll of insulation goes where. [See Figure 5](#)

Step 15: Starting at the eave, remove seal from insulation tab in order to adhere to the eave strut and purlin. Filled in insulation until it's well compressed up against the wall sheeting at the gable and roll over to the first rafter. Make sure insulation is well tug in between the purlins to avoid any air pockets and to be flush with the bottom of the purlins.

Step 16: Once you install the second roll of insulation, install the 1 inch steel bands parallel to the purling underneath them and screw down with self tapping screws at 12 inches on center. Continue installing the rolls of insulation until you reach the other side of the building. [See Figure 5](#)

Step 17: When you reach an "X" bracing (If Applicable), cut a portion of the fiber (yellow) without cutting the fabric and tug insulation around the "X" bracing. [See Figure 5](#)

Step 18: When you reach the rafter, cut and remove the fabric to the leading edge of the rafter and cut and remove the fiber in the middle of the rafter. This will allow for the rolls of insulation for the next bay to fit up against the rolls of insulation of the proceeding bay and having the fabric of both rolls overlap each other. (Do not throw away the fiber insulation that has been cut, you will need this insulation to fill in at the ridge cap). [See Figure 6](#)

Step 19: When you complete one bay, install a series of 1 inch steel bands at 30 inches on center perpendicular to the purlins from one side of the building to the other side starting at the eave and working your way towards the other eave of the building. The steel bands are fastened to the underside of the purlins with white self tapping screws. (Ceiling liner panels can be installed in lieu of the 1 inch steel bands). [See Figures 5 & 6](#)

Step 20: Once both sides of the building are completed, stuff loose pieces of insulation in the ridge and then install the ridge cap so there are no voids inside the ridge cap.

