



1. Determine the locations needed for the Eco-65 brackets.
2. Place base plate (#5) on finished roof deck material.
3. Trace around the base plate (#5) adding a one inch perimeter to the base plate dimensions. Note: it may be helpful to make a tracing template to speed this process.
4. Set base plate (#5) aside.
5. Using a utility knife or scissors cut roof membrane from corner to corner diagonally across the area marked in step three to form an "X". This will allow the installer to fold the resulting four triangular shapes of roof membrane back to expose the insulation below.
 - *Depending on the roof substructure, step six has two basic variations.
6. Cut out a section of the insulation equal to the hole cut in the roof membrane in step five to expose the supporting substructure.
 - A. If the substructure is wood, gypsum, or concrete install wood blocking (#4) to fill the void created by removing the insulation.
 - B. If the substructure is structural steel decking the installer will need to enlarge the opening in the membrane and remove enough insulation to allow the wood blocking to be fully supported on at least two of the high points of the corrugation. The dimensions of the wood blocking (#4) and the opening in the membrane will vary depending on the amount of insulation that needs to be removed to allow for a properly supported wood block.
7. Fill any voids around wood blocking (#4) in a manner that is approved by the roof membrane manufacturer to prevent thermal bridging.
8. Lay the four triangular roof membrane flaps back down over the wood block (#4).
9. Replace base plate (#5) over the roof membrane flaps and secure it to the wood blocking using eight fasteners (#6).
10. Apply a thin bead of acceptable sealant around the base of the threaded studs protruding from the base plate (#5).
11. Apply target patch (#7) over base plate (#5) following techniques specific to the roof membrane. The target patch (#7) is typically 12" x 12" but may be larger depending upon the size of the hole needed for proper wood blocking attachment.
12. Place compression bracket (#8) over threaded studs protruding through target patch (#7).
13. Place a single bonded washer (#9) over each stud where it protrudes through the compression bracket (#8). Be sure that the rubber side of the washer is facing the roof.

NOTE: It is important to seat this washer against the compression bracket **prior** to installing the hex nut (#10). If the washer is forced down the stud with the hex nut it is possible for the rubber material to bind in the threads, and if enough force is applied the stud may snap.

