R-Mer® Force

Flashless Metal Edge System Installation Guidelines

since 1895

DESCRIPTION

R-Mer Force, Garland's flashless metal edge system, is engineered to save both time and material without sacrificing strength by completely eliminating the need for flashing plies that would ordinarily be installed at the roof's edge. Instead, this patented metal edge system is anchored to the exterior vertical surface, which means there are no penetrations on the roof surface. Fascia cover pieces easily snap onto installed anchors, completing the easy installation and blocking out the elements to protect your building.

MATERIALS

- Base anchors
  - Inside and outside corner base anchors
  - 10' standard length base anchors
  - Base anchor splice plates
- Vertical Face Height Options:
  - 5 ¾", 7 ¼", 8 ¾", 10 ¼"
- Fascia
  - Inside and outside corners
  - 10' standard length fascia
  - Fascia splice plates
- Compression seals – 3 per base anchor
- Green-Lock® Sealant XL
- #10-14 X 1.5" Type 17 fasteners
- Roofing nails
- Fascia extender (if applicable)
  - Flat stock
  - Cleat
- Cant strip or beveled wood nailer
- Scuppers
- Spill-out scupper
- Downspout scupper

TOOLS

- Impact driver
- 20-ounce caulking gun
- ¼" shim
- Rubber mallet
- Gloves

INSTALLATION

Note: *Check with your Garland Representative to verify ANSI/SPRI/FM 4435 ES-1 compliance for the particular edge metal configuration being used on each project.*

2-Ply Configuration
Verify that the base ply is folded over the roof edge to fully cover the wood nailer and extend past it. Fasten base ply eight (8) inches on center. Cap sheet must stop flush at the nailer and should not be folded over the edge (fig.1).

2-Ply Configuration (fig.1)

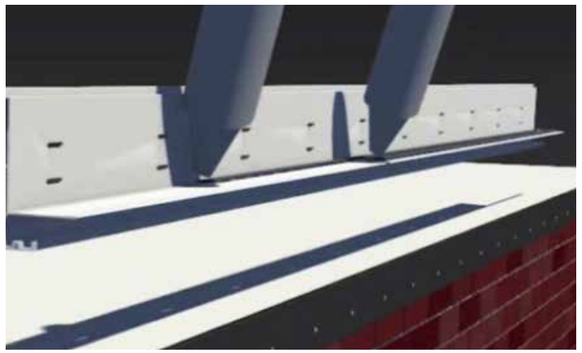
2-Ply + Cap Standard Configuration
Verify that felt or base plies are folded over the roof edge to fully cover the wood nailer. Fasten base plies eight (8) inches on center. Cap sheet must stop flush at the nailer and should not be folded over the edge.

2-Ply + Cap Alternate Configuration
End all plies at roof edge. Do not fold over. Install 12" wide strip of modified base sheet at roof edge and verify that it is folded over the roof edge to fully cover the wood nailer. Fasten base ply eight (8) inches on center.

(fig.2)

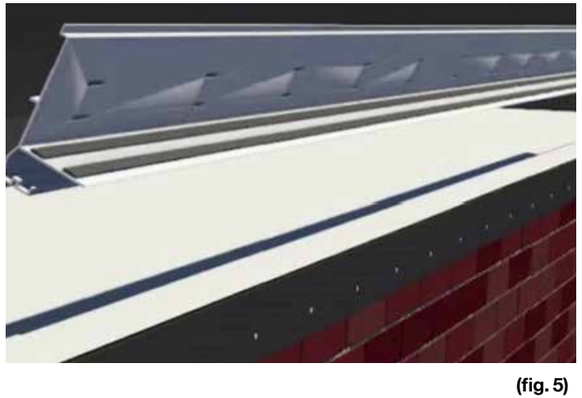
STEP 1
Begin by installing all outside and inside corner base anchors. Two ¼" wide beads of Green-Lock Sealant XL should be applied to the underside of the top flange of the base anchor. The beads should be continuous. Set corner base anchors and make sure that they are snug against the roof edge. Fasten through the pre-punched holes (fig.2). A base anchor splice plate should be set into the provided groove on the corner base anchor. Knock the splice plate with a hammer on the vertical tab until half of the splice plate is on the corner base anchor (fig.3).

(fig.3)



(fig.4)

STEP 2
Next, the base anchors for the remainder of the roof should be installed. Two ¼" wide beads of Green-Lock Sealant XL should be applied to the underside of the top flange of the 10' long base anchor (fig.4). The beads should be continuous for the entire run of the base anchor. Set base anchor down onto roof edge as close to the existing anchor piece as possible (fig. 5). Slide next base anchor towards the already fastened anchor with the splice plate. Make sure new base anchor and splice plate engage. Use a shim to properly measure a ¼" gap between the corner base anchor and the adjoining 10' long base anchors to allow for thermal expansion and contraction.



(fig. 5)

R-Mer® Force

Flashless Metal Edge System Installation Guidelines

since 1895

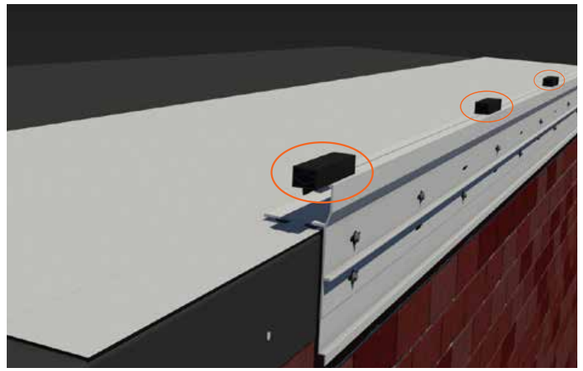
STEP 3
Verify that the base anchors are set snug against the roof edge (fig.6) before installing adjacent pieces.

The 10' base anchors should then be fastened at the pre-punched holes 6" from the edge. Fasten 18" o.c. for the 5.75" fascia, and 18" o.c. staggered for the 7.25", 8.75", and 10.25" face fascia (fig.7).

Repeat **Step 2** for all remaining anchors. A bead of Green-Lock Sealant XL should be installed between all adjoining base anchors to prevent water from running through these joints. Install all base anchors around the entire perimeter of the roof before installing the fascia covers.

(fig. 6)

(fig. 7)

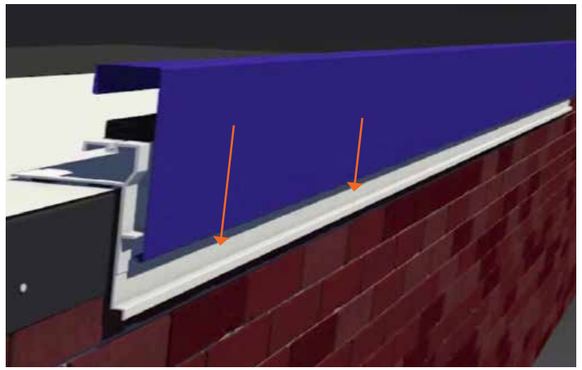


(fig. 8)

STEP 4
Once base anchors are all installed, compression seals should be inserted at 40" o.c. into the slot on the top of the base anchor (fig.8). The first compression seal should be placed over the first base anchor joint, then the next at 40" o.c. from that point, then the third at 40" o.c. from the second compression seal and then finally over the next joint. This pattern will continue for the remainder of the R-Mer Force system. The compression seals at each joint are underneath the splice plates that will be installed with the fascia covers. **There will be only one compression seal over each base anchor joint, as opposed to one on either side of each joint. NOTE: A total of three (3) compression seals should be used for each ten (10) foot base anchor.** No adhesives or sealants are required for the installation of the compression seals.

STEP 5
Install fascia cover, setting the fascia top flange over the base anchor top flange and compression seals (fig.9).

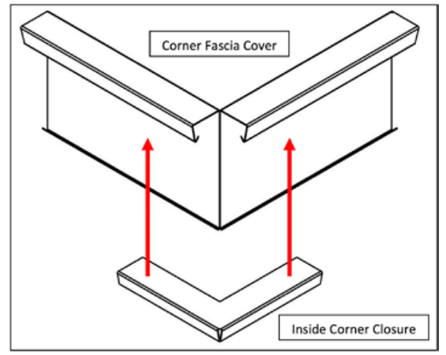
Beginning on one end and working towards the opposite end, press downward firmly **(do not rotate)** until a "snap" occurs and the cover is engaged along the entire length of the base anchor. Be sure to check if both top and bottom flanges are engaged with the base anchor. Splice plate should be installed over the joint of the base anchor before the adjoining fascia cover is installed. Use a shim to properly measure a ¼" gap between each fascia cover piece to allow for thermal expansion and contraction.



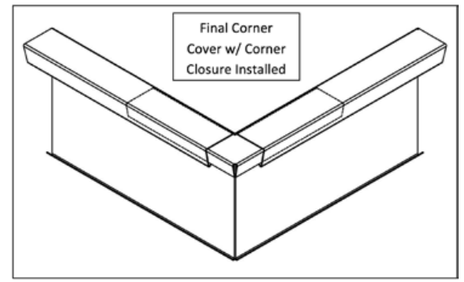
(fig. 9)

STEP 6
For the inside corners, the inside corner closure should be installed into the corner fascia cover **before** the corner fascia cover is installed onto the base anchor. Once the closure piece is installed into the corner fascia cover, install this assembly in the same manner as all of the fascia covers (fig.10 & 11).

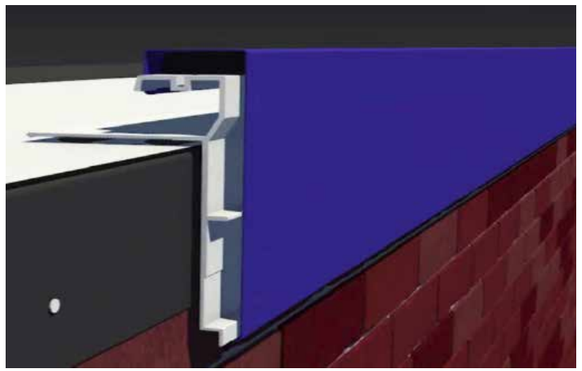
The completed R-Mer Force system (fig.12) will provide a sleek, perfectly tensioned edge metal system that will protect the roof system at its most vulnerable area, assuring it will remain intact and watertight.



(fig. 10)



(fig. 11)



(fig. 12)

The Garland Company, Inc.
Toll Free: 800-321-9336

Garland Canada Inc.
Toll Free: 800-387-5991