Exploded Product View, Bill of Materials

Materials Needed for Assembly

<table>
<thead>
<tr>
<th>Item No.</th>
<th>Description of Material/Part</th>
<th>Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>GF-1 Flashing</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>Conduit Mount- Comp Bracket</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>5/16” EPDM Bonded 304-18.8 SS Washer</td>
<td>1</td>
</tr>
<tr>
<td>4</td>
<td>Lag Bolt 5/16”</td>
<td>1</td>
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</table>

Required Tools

![Required Tools Image]
1. Drill a pilot hole (1/4” diameter) for the lag bolt. Backfill with sealant.*
2. Insert the flashing so the top part is under the next row of shingles and pushed far enough up slope to prevent water infiltration through vertical joint in shingles.
3. Line up pilot hole with GreenFasten hole.
4. Insert the lag bolt through the EPDM washer, the Conduit Mount-Comp. Bracket and the gasketed hole in the flashing and into the roof deck.
5. The visual indicator for proper torque is when the EPDM on the underside of the bonded washer begins to push out the sides as the washer compresses. If using an impact wrench to install the fasteners be careful not to over torque the fastener. You may need to stop and use a ratchet to finish the install.

Consult an engineer or go to www.ecofastensolar.com for engineering data.

*EcoFasten recommends an EPDM mastic.
1. Slide flashing up under shingles until leading edge engages nails. Measure remaining distance to adjust upslope.

2. Remove flashing and cut "V" notch at marks where nail shafts engaged leading edge of flashing the distance desired in Step 1. Notch depth not to exceed 2" length by 1/2" width.

3. Reinstall flashing with notched area upslope.

4. Position notched leading edge underneath nail heads as shown.

* Use for vertical adjustment when leading edge of flashing hits nails in upper shingle courses
Finish Options
BLK = Matte Black
MLL = Mill Finish
PART 1 – GENERAL

1.1 SUMMARY
A. WORK INCLUDES
   1. EcoFasten Comp Conduit Mount Bracket that attaches to the roof deck using GreenFasten-Flashing.
   2. Provide appropriate conduit clamp for the application.

1.2 SYSTEM DESCRIPTION
A. COMPONENTS:
   1. GreenFasten GF1 aluminum flashing with integral EPDM bushing and one bonded stainless steel and EPDM washer.
   2. Fasteners
      A. To be of metal compatible with aluminum GreenFasten components.
      B. Fasteners should be selected for compatibility with the roof deck.
   3. Sealant (if required by roof manufacturer): to be roof manufacturer approved.
   4. Aluminum compression bracket

B. DESIGN REQUIREMENTS:
   1. Bracket spacing to be recommended by project engineer.

1.3 SUBMITTAL
A. Submit manufacturer’s written specifications.
B. Submit standard product cut sheets.
C. Submit installation instructions.

1.4 QUALITY ASSURANCE
Installer to be experienced in the installation of specified roofing material for no less than 5 years in the area of the project.

1.5 DELIVERY / STORAGE / HANDLING
Inspect material upon delivery. Notify manufacturer within 24 hours of any missing or defective items. Keep material dry, covered, and off the ground until installed.

PART 2 - PRODUCTS

2.1 MANUFACTURER
EcoFasten Solar  
289 Harrel Street, Morrisville, VT 05661  
(877) 859-3947  
www.ecofastensolar.com

2.2 MATERIALS
A. Comp Conduit Mount Bracket – 5000 Series Aluminum
B. 5/16” x 2” Hex Head Lag Screw – 18.8 SSC.
C. Base flashing is .032 gauge aluminum embossed to accept EPDM bushing.
D. Bushing is EPDM.
E. Stainless steel bonded washer is 304 18.8 stainless and EPDM.

2.3 FINISH – Mill Finish
A. Bracket is mill finish aluminum
B. Base flashing (choose one)
   1. Mill Finish
   2. Black - kynar painted

PART 3 - EXECUTION

3.1 EXAMINATION
A. Substrate: Inspect roof on which brackets are to be installed. Verify that roofing material has been installed correctly. Notify General Contractor of any deficiencies before installing EcoFasten Solar Brackets.

3.2 INSTALLATION
A. Comply with architectural drawings and project engineer’s recommendations for location of system. Comply with Manufacturer’s written installation instructions for installation and layout.