



Materials Needed for Assembly

Item No.	Description of Material/Part	Quantity
1	GF-1 Flashing	1
2	L-102-3" Bracket * (other options available)	1
3	5/16" EPDM Bonded 304-18.8 SS Washer	1
4	Lag Bolt 5/16"	1

**PART 1 – GENERAL****1.1 SUMMARY**

- A. WORK INCLUDES
  1. GreenFasten solar attachment bracket that attaches directly to the roof deck.
  2. Provide appropriate bracket and fasteners for the roof system.
- B. RELATED SECTIONS
  1. Section 07600: Flashing and Sheet Metal
  2. Section 07500: Roofing
  3. Division 1: Administrative and Procedural Requirements
  4. Division 7: Thermal and Moisture Protection

**1.2 SYSTEM DESCRIPTION**

- A. COMPONENTS:
  1. GreenFasten GF1 system consists of 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.
    - C. Fastener strength should exceed or be equal to that of the allowable load of the system.  
See test data at [www.ecofastensolar.com](http://www.ecofastensolar.com)
  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.
  2. Install a minimum of one fastener per assembly.
  3. It is important to design new structures or assess existing structures to make sure that they can withstand retained loads.

**1.3 SUBMITTAL**

- A. Submit manufacturer's written specifications.
- B. Submit standard product cut sheets.
- C. Submit installation instructions.
- D. Submit product specific load test data, showing ultimate and allowable load values.

**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](http://www.ecofastensolar.com)

**2.2 MATERIALS**

- A. Attachment Bracket
  - 6000 Series Aluminum (choose one)
    1. Comp Mount Slide
    2. CP-SQ-Slotted
    3. F-111-A
    4. L-102-3"
    5. L-102-6"
    6. SCL-101-3"
    7. Z-101
    8. Conduit Mount Bracket
- B. Fasteners (may be supplied by others) to be compatible with chosen roof application and meet specified pull out values as shown in load test data.

- 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 structure on which brackets are to be installed and verify that it will withstand any additional loading that may be incurred.
- B. Notify General Contractor of any deficiencies before installing EcoFasten Solar brackets.
- C. Verify that roofing material has been installed correctly prior to installing solar attachment 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.

