

PART 1 – GENERAL**1.1 SUMMARY**

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

1.2 SYSTEM DESCRIPTION

- A. COMPONENTS:
- GreenFasten GF1 system consists of aluminum flashing with integral EPDM bushing and one bonded stainless steel and EPDM washer.
 - Fasteners
 - To be of metal compatible with aluminum GreenFasten components.
 - Fasteners should be selected for compatibility with the roof deck.
 - Fastener strength should exceed or be equal to that of the allowable load of the system.
See test data at www.ecofastensolar.com
 - Sealant (if required by roof manufacturer): to be roof manufacturer approved.
 - Aluminum compression bracket
- B. DESIGN REQUIREMENTS:
- Bracket spacing to be recommended by project engineer.
 - Install a minimum of one fastener per assembly.
 - It is important to design new structures or assess existing structures to make sure that they can withstand retained loads.

1.3 SUBMITTAL

- Submit manufacturer's written specifications.
- Submit standard product cut sheets.
- Submit installation instructions.
- 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

2.2 MATERIALS

- A. Attachment Bracket
6000 Series Aluminum (choose one)
- Comp Mount Slide
 - CP-SQ-Slotted
 - F-111-A
 - L-102-3"
 - L-102-6"
 - SCL-101-3"
 - Z-101
 - 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.

- Base flashing is .032 gauge aluminum embossed to accept EPDM bushing.
- Bushing is EPDM.
- Stainless steel bonded washer is 304 18.8 stainless and EPDM.

2.3 FINISH – Mill Finish

- Bracket is mill finish aluminum
- Base flashing (choose one)
 - Mill Finish
 - Black - kynar painted

PART 3 - EXECUTION**3.1 EXAMINATION**

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

3.2 INSTALLATION

- Comply with architectural drawings and project engineer's recommendations for location of system. Comply with Manufacturer's written installation instructions for installation and layout.

