



EcoFasten Solar

PART 1 – GENERAL

1.1 SUMMARY

- A. WORK INCLUDES
 1. Quik Foot 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. Quik Foot system consists of stainless steel bracket and base plate with (1) stainless steel stud, (1) stainless steel nut, (1) EPDM washer and (1) bonded stainless steel and EPDM washer.
 2. Fasteners
 - A. To be of metal compatible with Quik Foot bracket.
 - 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
 3. Sealant (if required by roof manufacturer): to be roof manufacturer approved.
 4. Aluminum counter-flashing
 5. Aluminum attachment bracket
- B. DESIGN REQUIREMENTS:
 1. Bracket spacing to be recommended by project engineer.
 2. Install fasteners base plate.
 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 specific to the roof deck specified for the project.

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 St. Morrisville, VT. 05661
 (877) 859-3947
www.ecofastensolar.com

2.2 MATERIALS

- A. Attachment Bracket
 - 6000 Series Aluminum (choose one)
 1. F-111-A
 2. L-102-3”
 3. L-102-6”
 4. CP-SQ
 5. Z-101
 6. Custom

- B. Base plate is 11 gauge 304 stainless steel with one 3/8-16” 304 stainless steel machine screw welded into embossed countersink.
- C. Fasteners to be compatible with chosen roof application and meet specified pull out values as shown in load test data.
- D. Counter flashing is .032 gauge aluminum embossed to accept shape of stainless steel base plate

2.3 FINISH – Mill Finish

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. Notify General Contractor of any deficiencies before installing EcoFasten Solar brackets.
- B. 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.