



PART 1 – GENERAL

1.1 SUMMARY

- A. WORK INCLUDES
- Bracket that attaches directly to the roof.
 - Provide appropriate bracket and fasteners for the roof system.
- B. RELATED SECTIONS
- Section 07600: Flashing and Sheet Metal
 - Section 07500: Roofing
 - Section 07710: Roof Specialties
 - Division 1: Administrative and procedural requirements
 - Division 7: Thermal and Moisture Protection

1.2 SYSTEM DESCRIPTION

- A. COMPONENTS:
- Consists of bracket with at least (1) cone shaped bushing (1) bonded stainless steel and EPDM washer and (1) fastener.
 - Fasteners
 - To be of metal compatible with roof and this application.
 - 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.
- B. DESIGN REQUIREMENTS:
- Bracket spacing to be recommended by project designer or building engineer.
 - Install fasteners as per designer's instruction and product type. It is important to design new structures or assess existing structures to make sure that they can withstand any added 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 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 Street, Morrisville, VT 05661
 (877) 859-3947
www.ecofastensolar.com

2.2 MATERIALS

- A. Attachment Bracket
 6000 Series Aluminum (choose one)
- CP-SQ
 - F-111-A
 - L-102-3"
 - SL-102-6"
 - Z-101
 - Custom

- B. Bushing

- C. Fasteners (can be purchased from others) to be compatible with chosen roof application and meet specified pull out values as shown in load test data.

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.
- 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.