



## PART 1 – GENERAL

### 1.1 SUMMARY

- A. WORK INCLUDES
1. Eco-44-6" 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: Membrane Roofing
  3. Division 1: Administrative and procedural requirements
  4. Division 7: Thermal and Moisture Protection

### 1.2 SYSTEM DESCRIPTION

- A. COMPONENTS:
1. Eco-44-6" system consists of aluminum bracket and stainless steel base plate.
  2. Fasteners
    - A. To be of metal compatible with base plate.
    - 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 membrane roof manufacturer approved.
  4. Plumbing boot flashing of appropriate size and material and method of installation to meet roof manufacturer's requirement for proper flashing.
  5. Stainless steel pipe clamp
- B. DESIGN REQUIREMENTS:
1. Bracket spacing to be recommended by project engineer.
  2. Install a minimum of four fasteners per 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.

### 1.4 QUALITY ASSURANCE

Installer to be experienced in the installation of specified roofing material for not 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. SL-102-6
    2. C-102-6
    3. P-6-CSK
    4. Custom
- B. Base Plate is 11 gauge material thickness. 304 Stainless Steel with one 3/8" 304 stainless steel screw welded into embossed countersink.
- C. 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.

- D. Wood blocking of appropriate size and thickness to support base without splitting.
- E. Plumbing boot, (may be supplied by others) to be compatible with roofing material, roofing material manufacturer's acceptable installation technique, and of an acceptable size to meet roof manufacturer's specifications.
- F. Aluminum Post-Series 6000 aluminum with 3/8" x 1" threaded hole in each end.
- G. Stainless steel pipe clamp - 1 1/4" adjustable (supplied by others)

### 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 it may incur. Notify General Contractor of any deficiencies before installing EcoFasten Solar's Eco-44 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.