

PART 1 – GENERAL**1.1 SUMMARY**

- A. WORK INCLUDES:
1. Eco-44R-NDD 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. Eco-44R-NDD system consists of (1) stainless steel base plate with (1) stainless steel stud, (1) stainless steel nut, (1) EPDM washer, and (1) EPDM bonded washer.
 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
 3. Sealant (if required by roof manufacturer): to be roof manufacturer approved.
 4. Aluminum flashing
 5. Aluminum compression bracket
- B. DESIGN REQUIREMENTS:
1. Bracket spacing to be recommended by project engineer.
 2. Install a minimum of eight fasteners per base plate.
 3. It is important to design new structures or assess existing structures to make sure 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

2.2 MATERIALS

- A. Attachment Bracket - 6000 Series Aluminum
Options: (choose one)
1. Comp Mount Slide
 2. CP-SQ-Slotted
 3. L-102-3"
 4. L-102-6"
 5. SCL-101-3"
 6. Z-101
- B. Base Plate is 11 gauge material thickness. 304 Stainless Steel with one 3/8" 304 stainless steel screw welded into embossed counter-sink.

- 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.
- D. Base flashing is .032 gauge aluminum embossed.

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.

