

Report Number: 0216
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greater than 19 percent (16 percent for engineered wood products), or where wet service is expected, the allowable loads must be adjusted by the wet service factor, C_M , specified in Section 10.3.3 of the NDS. Connected wood members must be analyzed for load-carrying capacity at the connection in accordance with the NDS.

4.2 Installation

The GreenFasten-1-812 and FlashFoot Roof Mounts must be installed to the rafter using one lag screw at each bracket location as described in the published installation instructions. The minimum specific gravity of the wood member shall be 0.42. The flashing must be placed underneath the shingle far enough up slope to prevent water infiltration. Installation of EcoFasten Solar's, GreenFasten-1-812 and FlashFoot Roof Mounts are limited to roofs having minimum and maximum slopes of 3:12 (14 percent) and 12:12 (45 percent), respectively.

5.0 CONDITIONS OF USE

The GreenFasten-1-812 and FlashFoot Roof Mounts described in this report comply with the codes listed in Section 1.0 of this report, subject to the following conditions:

5.1 The GreenFasten-1-812 and FlashFoot Roof Mounts must be installed in accordance with this report the manufacturer's published installation instructions, codes listed in Section 1.1 and the supplement.

5.2 Calculations (If requested) showing compliance with this report must be submitted to the code official. The calculations must be prepared by a registered design professional where required by the statutes of the jurisdiction in which the project is to be constructed.

5.3 Fasteners used in contact with fire-retardant-treated or preservative-treated lumber must comply with IBC Section 2304.9.5 or the 2009 IRC Section R317.3 (2006 IRC Section R319.3), as applicable. The report holder or lumber treater should be contacted for recommendations on minimum corrosion resistance and connection capacities of fasteners used with the specific proprietary preservative-treated or fire-retardant treated lumber.

5.4 When required by the jurisdiction having authority a licensed design professional shall provide calculations to verify that imposed loads on the assembly do not exceed the allowable loads contained in Table 1 of this

report.

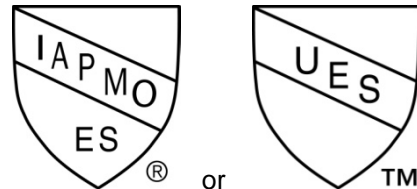
5.5 When required by the jurisdiction having authority a licensed design professional shall provide calculations for the assembly support framing.

6.0 EVIDENCE SUBMITTED

Testing and analysis data submitted is in conformance with IAPMO ES Evaluation Criteria for the Testing and Analysis of Joist Hangers and Miscellaneous Connectors, (EC002-2011). Rain test data is in conformance with the Underwriters Laboratory Standard for Gas Vents, (UL 441-96 Section 25). Test results are from laboratories in compliance with ISO/IEC 17025.

7.0 IDENTIFICATION

EcoFasten Solar's and IronRidge's, GreenFasten-1-812 and FlashFoot Roof Mounts are identified with a label bearing the Manufacturers name and address, product designation, IAPMO Uniform ES Mark of Conformity, this evaluation report number (Evaluation Report Number 0216), compliance code, and inspection agency.



IAPMO UER #0216

Brian Gerber
Brian Gerber

Technical Director of Uniform Evaluation Service

Richard Beck

Richard Beck, PE, CBO, MCP
Director of Uniform Evaluation Service

Russ Chaney

GP Russ Chaney
CEO, The IAPMO Group