GF1

INSTALLATION GUIDE

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GF1

INSTALLATION GUIDE

QuickMount IRONRIDGE

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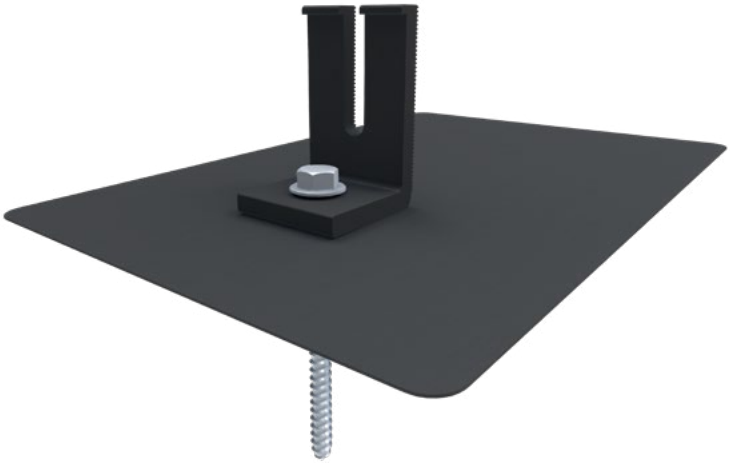
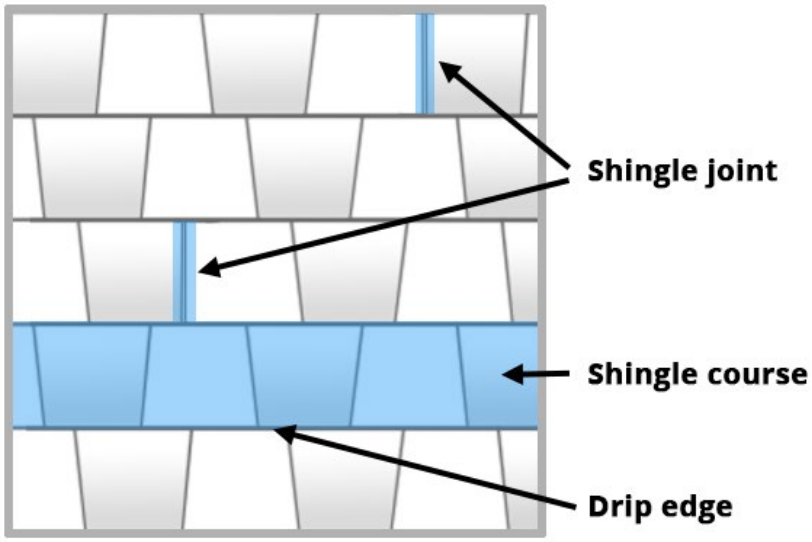
The QuickMount® GF1 is a versatile flashing solution for composition shingle roofs. Install the flashing using a single fastener for a quick & easy installation. Flashing grommet and L-foot combine to create a watertight seal, maintaining the integrity of the roof.



RATINGS

TAS 100(A) Wind Driven Rain Test
Florida Product Approval
Thermal breaks are required every 60ft

COMPOSITION SHINGLE INFORMATION



PRODUCT INFOMRATION

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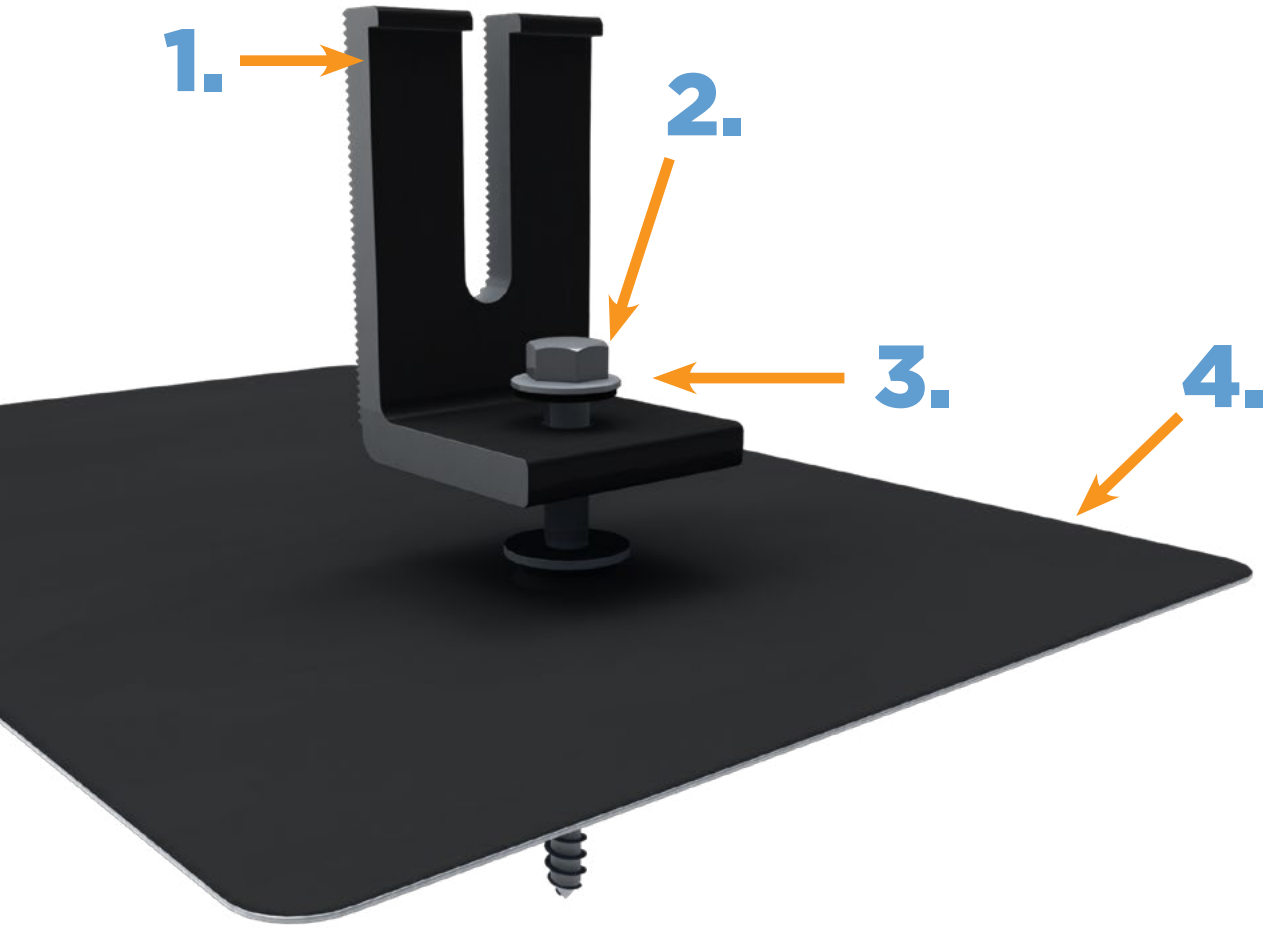
MOUNT COMPONENTS
GF1



1. L-FOOT 3”
   (PN: QM-GF1-LFT-01-B1)
2. 5/16” LAG BOLT
   (PN: HW-5164-01-M1)
3. 5/16” EPDM BONDED WASHER
4. GF1 8X12” FLASHING WITH PRE-INSTALLED EPDM RUBBER GASKET

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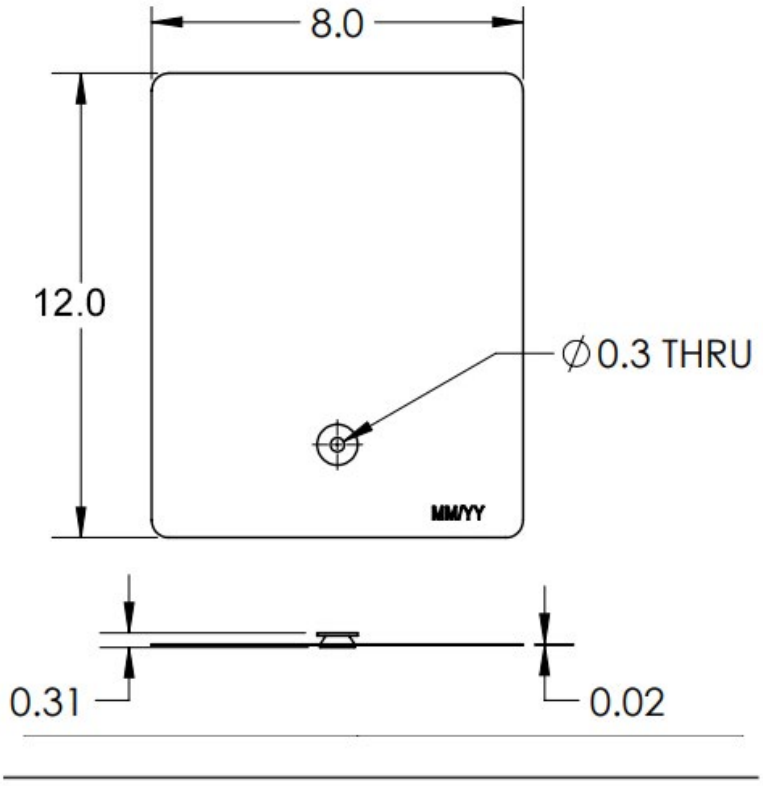
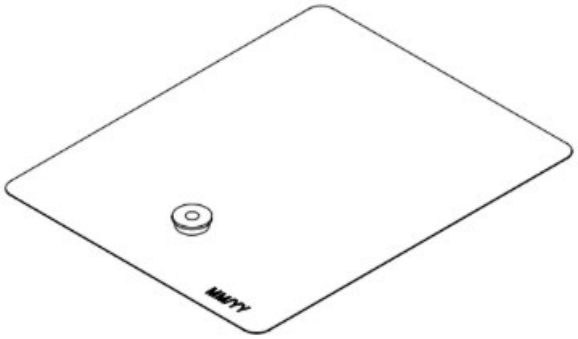
FLASHING
GF1

THIS EDGE TOWARDS ROOF RIDGE





SIZE	PART NUMBER	DESCRIPTION
8X12”	QM-GF1-01-B1	GF1 Flashing, Black, 8x12”

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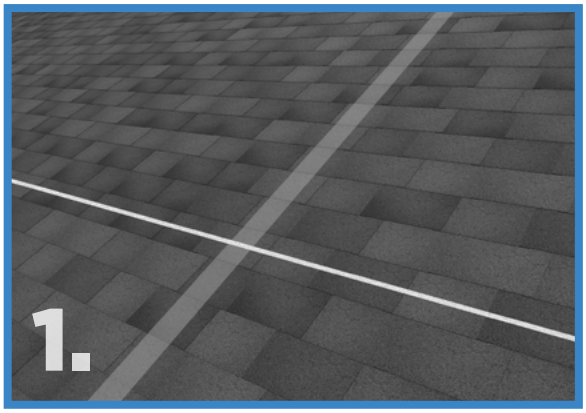

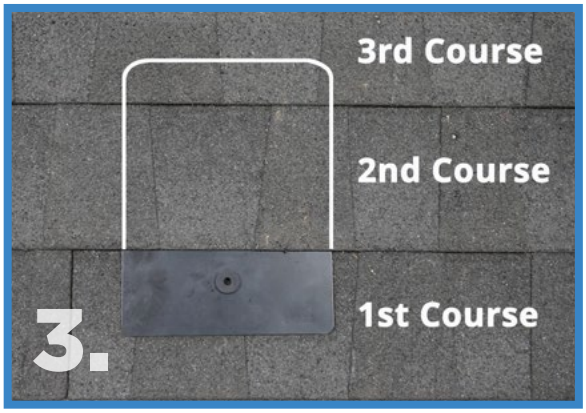

1. Snap horizontal lines across the roof to mark the mount rows, then locate the rafter and mark the installation position of each GF1 flashing.

2. Carefully lift composition roof shingle with roofing bar, just above placement of mount. Remove nails as required and backfill holes with approved sealant.

3. Insert flashing between 1st and 2nd course. Slide the flashing up so top edge of flashing is at least ¾" above the butt-edge of the 3rd course. The bottom edge of the flashing should not overhang the drip edge of the 1st course. Mark center for drilling.

*Note: Regardless of the height of the shingle course, the top edge of the flashing must be installed under the third course.

*For shingles with a high-reveal, see page 10, "additional flashing required".

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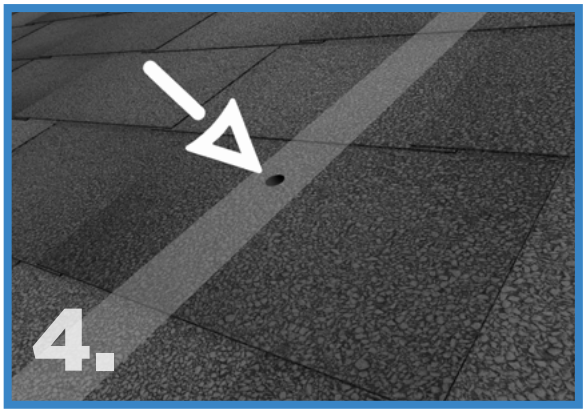
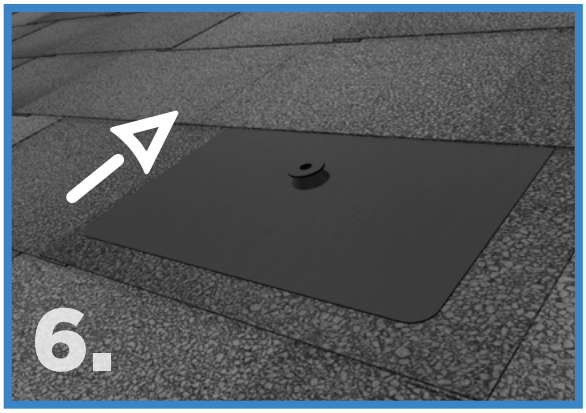


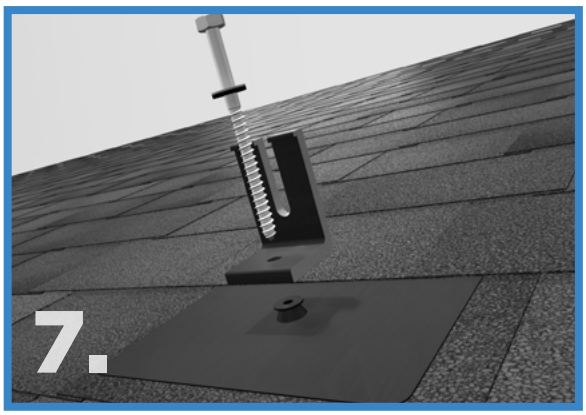


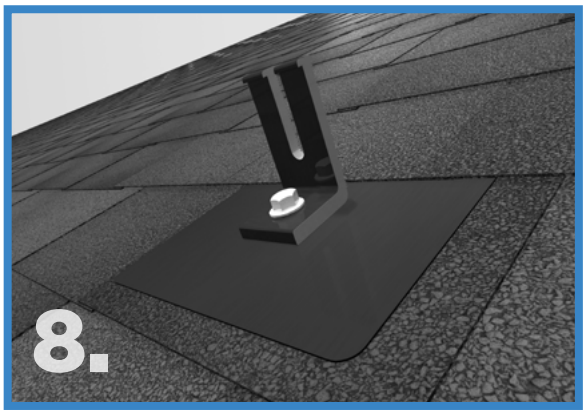
4. Remove flashing then drill a 1/4” pilot hole into the rafter or structural member for the lag screw. Brush pilot hole surface area clean.

5. Backfill with sealant compatible with the roof type.

6. Slide flashing up under the next row of shingles directly above the pilot hole, taking care to align the hole in the flashing with the pilot hole.

INSTALLING GF1



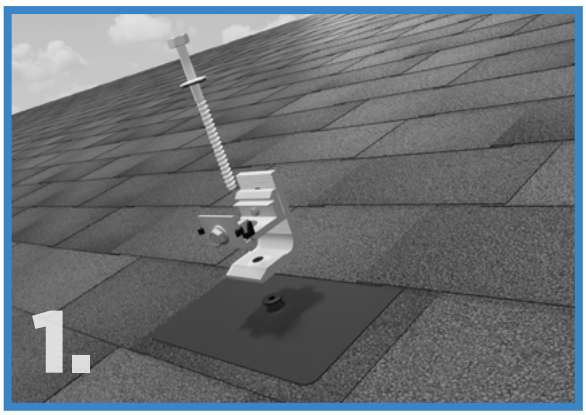


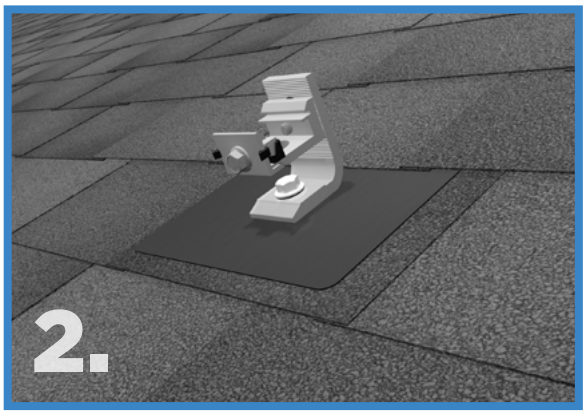
7. Insert the lag screw with pre-installed bonded washer through the Slotted L-Foot.

8. Drive the lag bolt down into rafter using impact driver until fully seated. The EPDM on the bonded washer will begin to push out the sides when fully seated*.

*The EPDM bonded washer ring visual indicator is the most effective way to ensure a watertight seal.

INSTALLING GF1 WITH CLICKFIT

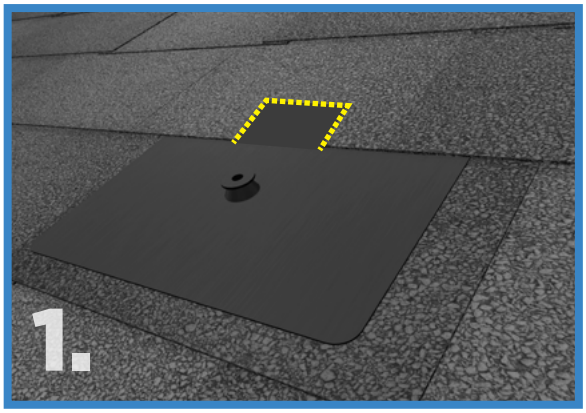


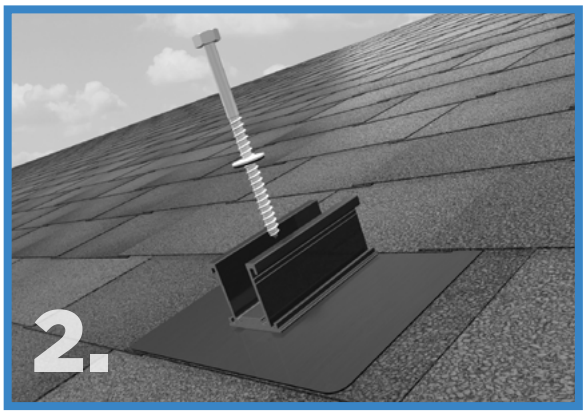


1. Insert the lag screw with pre-installed bonded washer through the ClickFit Universal L-foot and flashing.
2. Drive the lag bolt down into rafter using impact driver until fully seated. The EPDM on the bonded washer will begin to push out the sides when fully seated*.

*The EPDM bonded washer ring visual indicator is the most effective way to ensure a watertight seal.

INSTALLING GF1 WITH ROCKIT





1. Align the flashing hole with pilot hole. CUT SHINGLE (IF NECESSARY) to position the slide in the correct location.

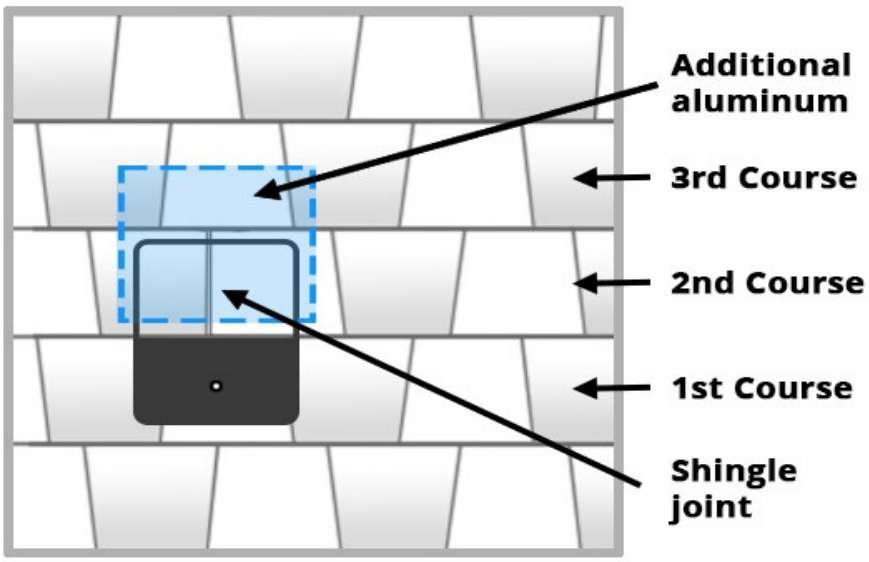
   *It is acceptable to cut out a portion of the shingle.

2. Using only the QuickMount provided lag screw, drive the lag screw with pre-installed bonded washer through the RockIt Comp Slide, the gasketed hole in the flashing and into the rafter uising impact driver. Position the slide with the date stamp facing south. Drive the lag bolt down into rafter using impact driver until fully seated. The EPDM on the bonded washer will begin to push out the sides when fully seated*.

   *The EPDM bonded washer ring visual indicator is the most effective way to ensure a watertight seal.

ADDITIONAL FLASHING REQUIRED

When encountering slightly larger shingle coursing or when the flashing cannot extend least ¾" above the butt-edge of the 3rd course", to avoid water intrusion from a possible shingle joint or tab, install an additional piece of aluminum flashing for each attachment at the 2nd and 3rd course. Remove and replace roofing nails as required. Apply approved sealant under additional aluminum flashing.



DISCLAIMER

This manual describes proper installation procedures and provides necessary standards required for product reliability. Warranty details are available on the website. All installers must thoroughly read this manual and have a clear understanding of the installation procedures prior to installation. Failure to follow these guidelines may result in property damage, bodily injury or even death.

IT IS THE INSTALLER'S RESPONSIBILITY TO:

- Ensure safe installation of all electrical aspects of the array. All electrical installation and procedures should be conducted by a licensed and bonded electrician or solar contractor.
- All work must comply with national, state and local installation procedures, product and safety standards, including the proper use of PPE.
- Comply with all applicable local or national building and fire codes, including any that may supersede this manual.
- Ensure all products are appropriate for the installation, environment, and array under the site's loading conditions.
- Use only QuickMount and IronRidge parts or parts recommended by QuickMount and IronRidge; substituting parts may void any applicable warranty.
- Review the Design Assistant and Certification Letters to confirm design specifications.
- Ensure provided information is accurate. Issues resulting from inaccurate information are the installer's responsibility.
- Ensure bare copper grounding wire does not contact aluminum and zinc-plated steel components, to prevent risk of galvanic corrosion.
- If loose components or loose fasteners are found during periodic inspection, re-tighten immediately. Any components showing signs of corrosion or damage that compromise safety shall be replaced immediately.
- Provide an appropriate method of direct-to-earth grounding according to the latest edition of the National Electrical Code, including NEC 250: Grounding and Bonding, and NEC 690: Solar Photovoltaic Systems.
- Disconnect AC power before servicing or removing modules, AC modules, microinverters and power optimizers.
- Review module and any 3rd party manufacturer's documentation for compatibility and compliance with warranty terms and conditions.
- Module mounting rails shall not be used as scaffolding, a roof jack, or any form of an anchoring point for roof personnel.
- Ensure that the roof is in good condition prior to installing any QuickMount or IronRidge components.