

GF-1[®]

**COMPLETE MOUNT
& FLASHING ASSEMBLY**

INSTALLATION GUIDE

REVISION: 2/12/24

VERSION: V3.1

GF-1

INSTALLATION GUIDE



EcoFasten[®]
For Installers. By Installers.

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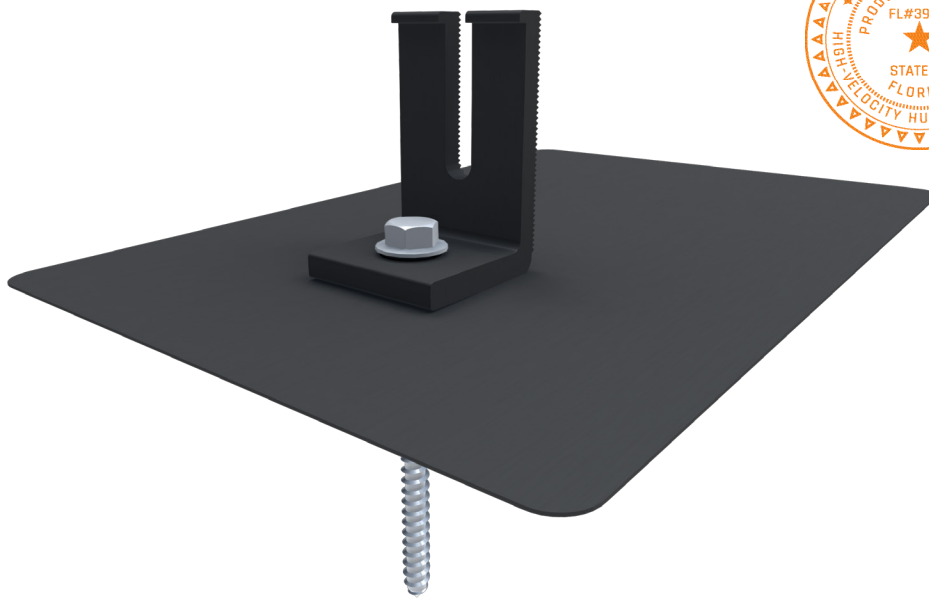
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GF-1 is our most versatile solution for composition shingle roofs. Install the flashing using a single fastener for a quick & easy installation. When using the GF-1 flashing grommet and an EcoFasten compression bracket, a watertight seal is created, maintaining the integrity of the roof.

FEATURES

- Mill or black finish
- Patented Watertight Technology
- Installs without removing shingles
- Single lag bolt attachment
- Compatible with a variety of compression brackets
- Florida Product Approved for any combination of 8"x12" GF-1 flashing with the ClickFit L-foot & Lag Screw

FEATURES + BENEFITS

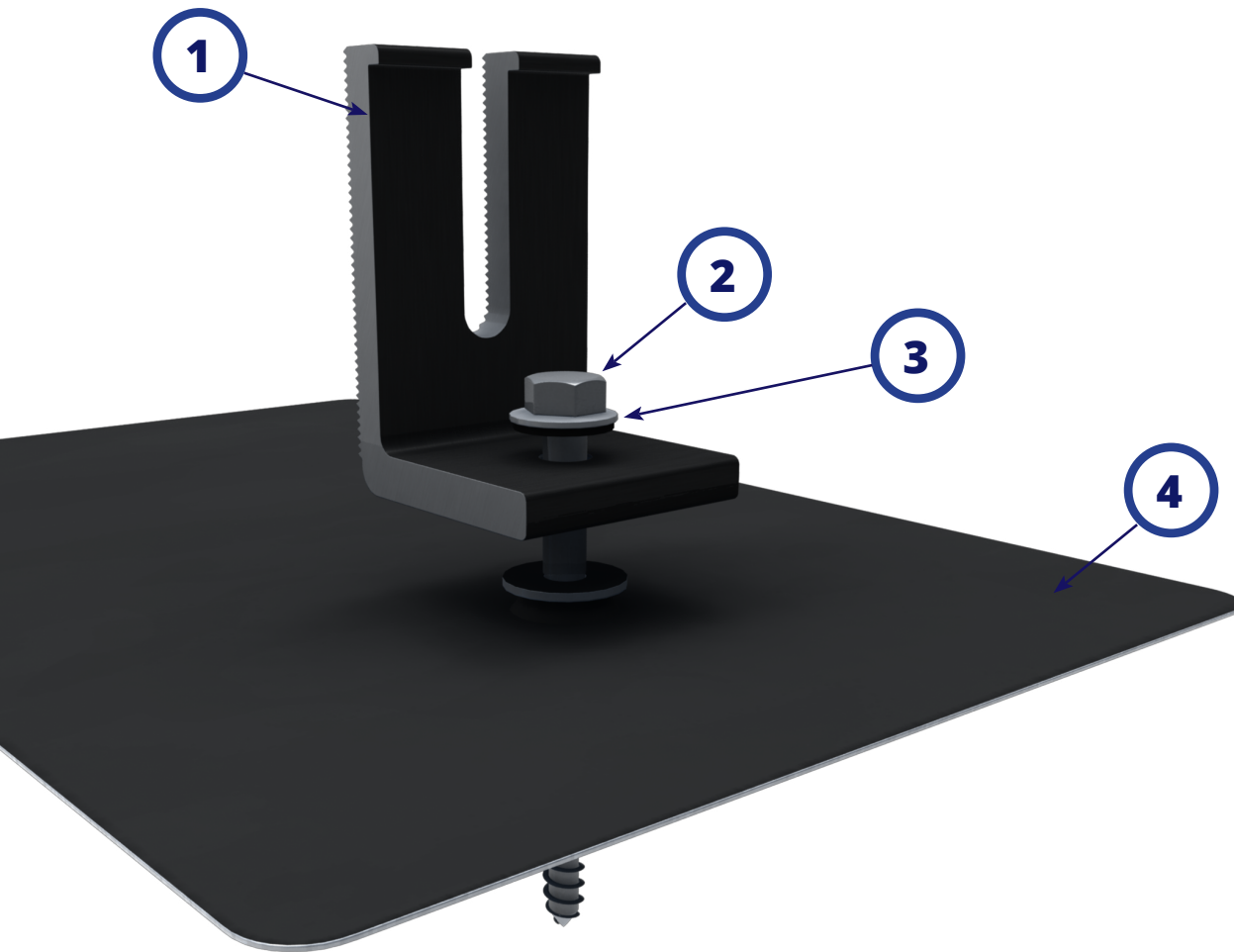
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SYSTEM COMPONENTS



1. L-FOOT SCL-101 BLK 3"

**2. 5/16" LAG BOLT
(AVAILABLE IN 3" AND 4")**

3. 5/16" EPDM BONDED WASHER

**4. GF-1 FLASHING FLASHING WITH PRE-
INSTALLED EPDM RUBBER GASKET**

**(AVAILABLE IN 8X10 & 8X12, BLACK FINISH
ONLY)**

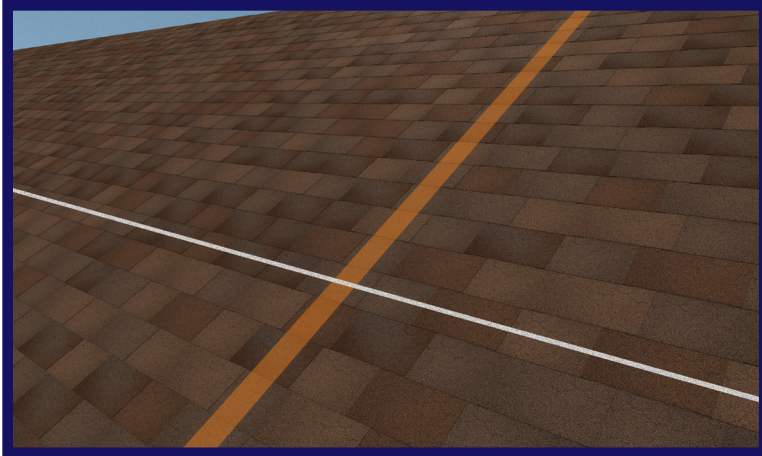
COMPONENTS

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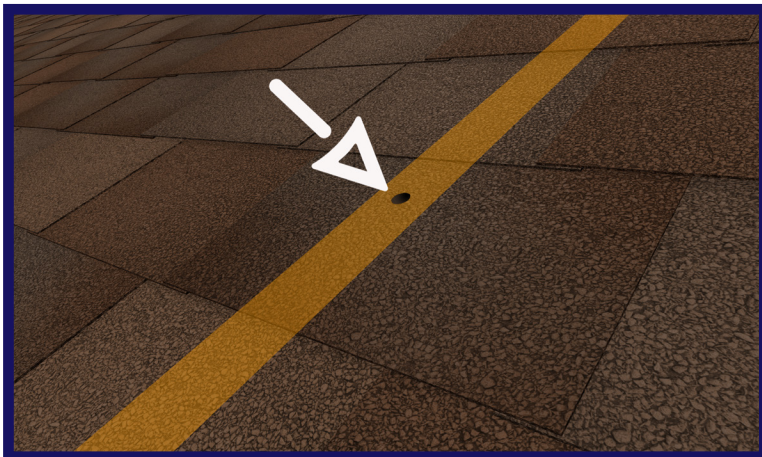
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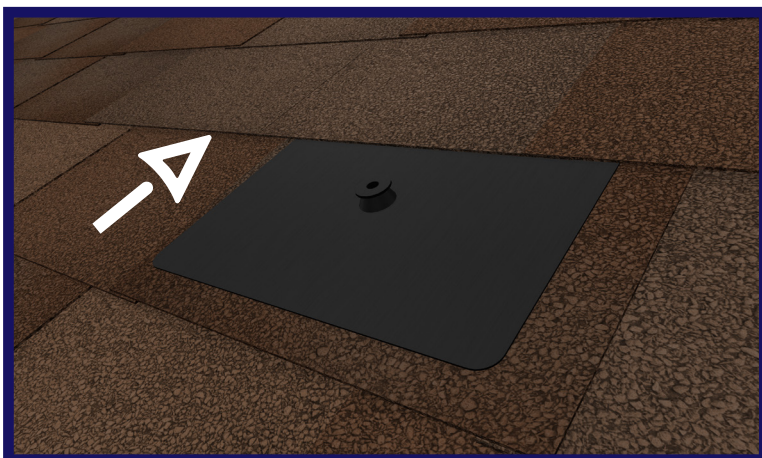
INSTALLING GF-1



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



Drill a 7/32" pilot hole into the rafter or structural member for the lag screw. Backfill with sealant compatible with the roof type.



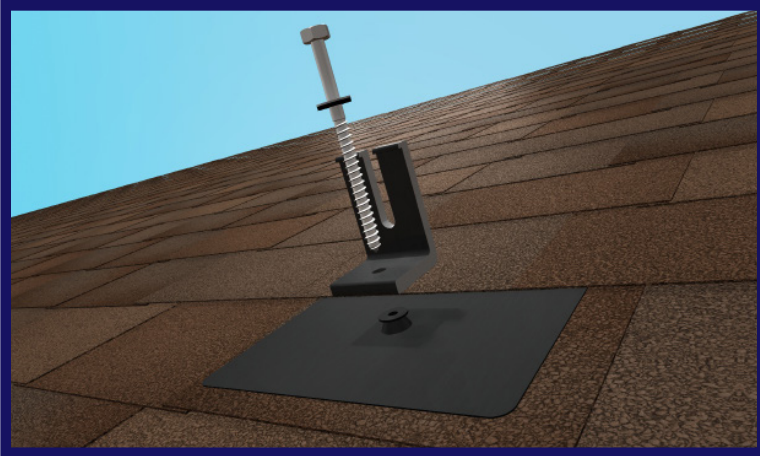
Slide flashing up under the next row of shingles directly above the pilot hole, taking care to align the hole in the flashing with the pilot hole.

GF-1

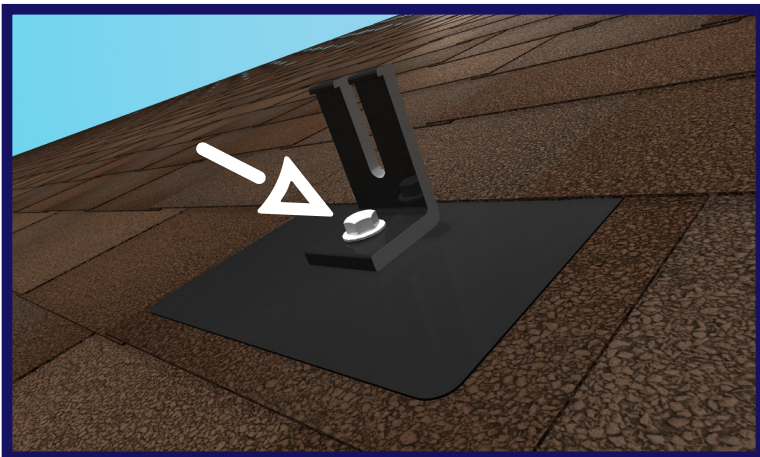
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Thread the EPDM bonded washer onto the lag bolt followed by one of EcoFasten's compression brackets and then insert the lag bolt into the gasketed hole in the flashing.



Drive the lag bolt down into the rafter using an impact driver. Torque range is between 100-400 torque inch-pounds depending on the type of wood and time of year. The visual indicator for proper torque is when the EPDM on the underside of the bonded washer begins to push out the sides as the washer compresses. Do not over torque.

INSTALLATION

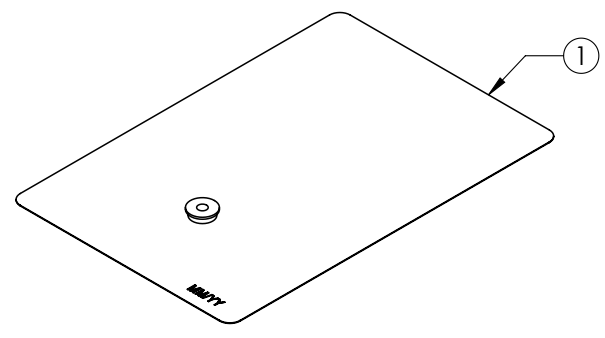
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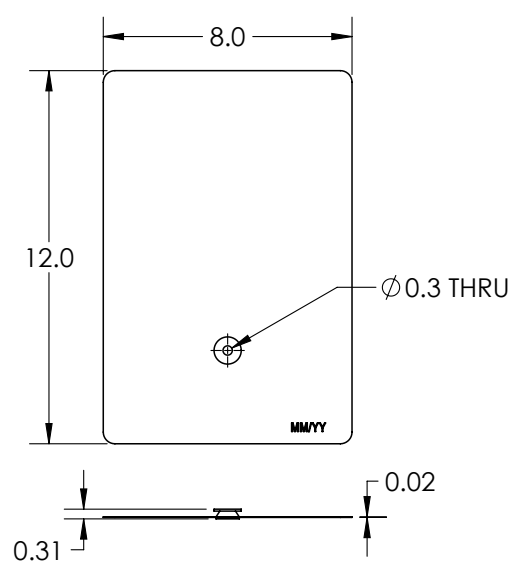
CUT SHEET: GF-1 FLASHING GLV BLK 8X12"

PART NUMBER	DESCRIPTION
3012010	GF-1 FLASHING GLV BLK 8X12"



ITEM NO.	DESCRIPTION
1	GF1-GAL-BLK-812

1) GF1-GAL-BLK-812



Material	Corrosion Resistant Steel
Finish	Black

REV.- CS1

LINE DRAWINGS

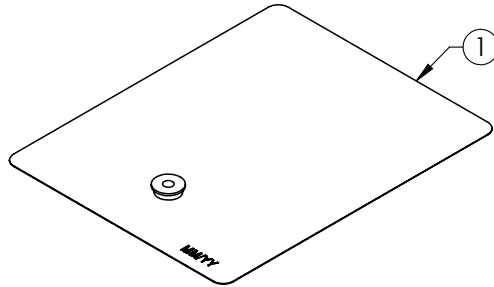
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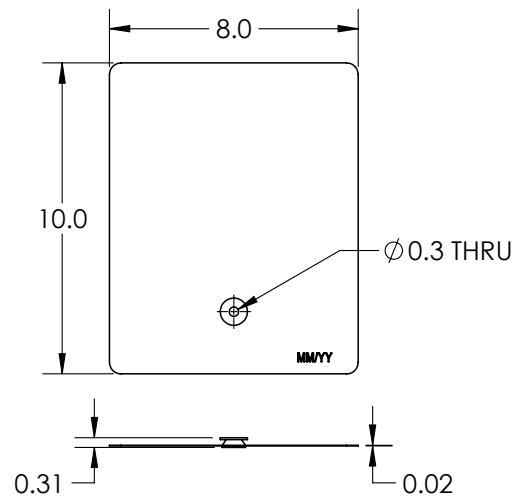
CUT SHEET: GF-1 FLASHING GLV BLK 8X10"

PART NUMBER	DESCRIPTION
3012020	GF-1 FLASHING GLV BLK 8X10"



ITEM NO.	DESCRIPTION
1	GF1M-GAL-BLK-810 W/O WASHER ASSEMBLY

1) GF1M-GAL-BLK-810 W/O WASHER ASSEMBLY



Material	Corrosion Resistant Steel
Finish	Black

REV.- CS1

LINE DRAWINGS

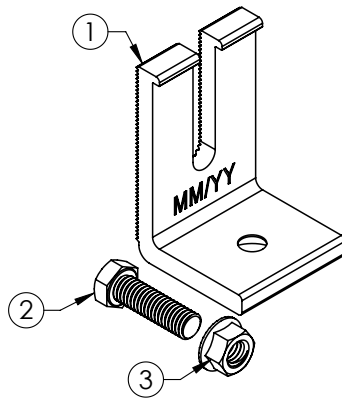
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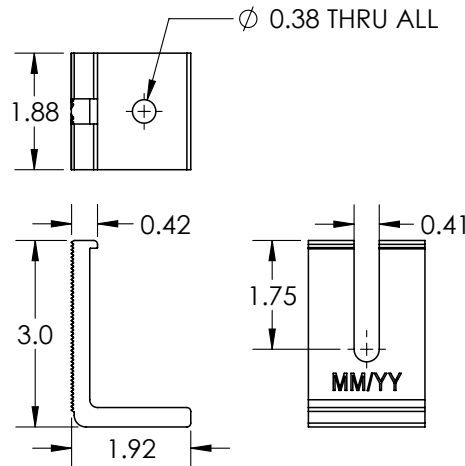
CUT SHEET: L-FOOT SCL-101 BLK 3"

PART NUMBER	DESCRIPTION
3011018	L-FOOT SCL-101 BLK 3"



ITEM NO.	DESCRIPTION
1	L FOOT W/ STANDARD DIMPLE AND OPEN SLOT, 3 IN TALL BLK
2	SS HEX HD CAP SCREW, FULL THD, 3/8-16 UNC X 1.25 LONG
3	SS SERRATED FLANGE LOCK NUT, 3/8-16

1) L FOOT W/ STANDARD DIMPLE AND OPEN SLOT, 3 IN TALL BLK



Material	Aluminum
Finish	Mill

REV.- CS1

LINE DRAWINGS

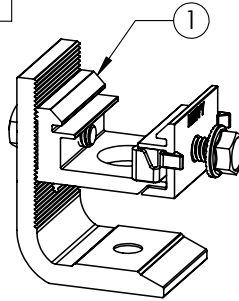
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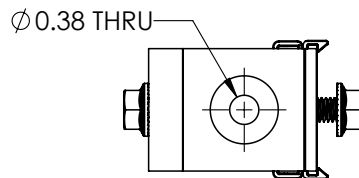
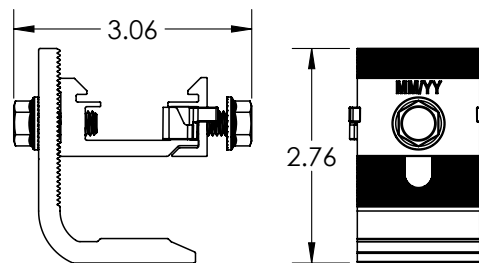
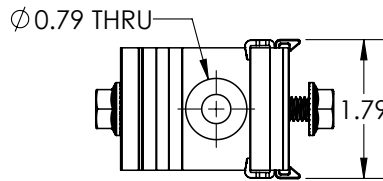
CUT SHEET: CF UNIV L-FOOT MLL 3"

PART NUMBER	DESCRIPTION
2012022	CF UNIV L-FOOT MLL 3"



ITEM NO.	DESCRIPTION
1	CLICKFIT L FOOT ASSEMBLY

1) CLICKFIT L FOOT ASSEMBLY



Material	Aluminum/Stainless Steel
Finish	Mill

REV.- CS1

LINE DRAWINGS

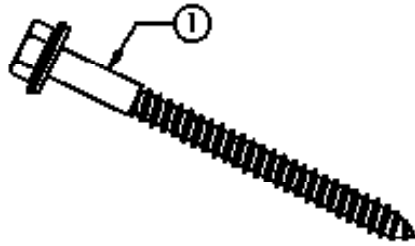
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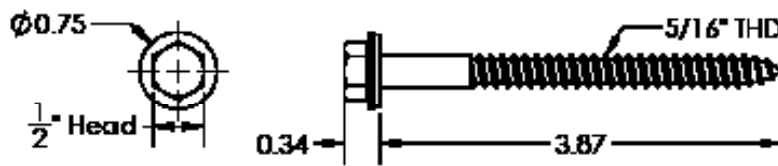
CUT SHEET: LAG SCREW SS .313X4

PART NUMBER	DESCRIPTION
3016017	LAG SCREW SS .313X4" W/BW (50)



ITEM NO.	DESCRIPTION
1	LAG SCREW, 5/16-4", THREAD 3", EPDM BACKED WASHER

1) LAG SCREW, 5/16-4", THREAD 3", EPDM BACKED WASHER



Material	Stainless Steel/EPDM
Finish	Mill

REV.- CS1

LINE DRAWINGS

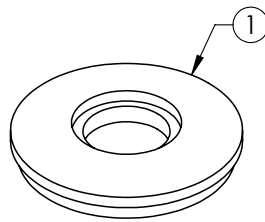
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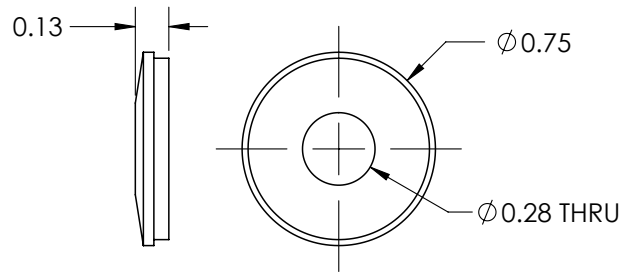
CUT SHEET: EPDM BOND WASHER SS .313" (51)

PART NUMBER	DESCRIPTION
3016014	EPDM BOND WASHER SS .313" (51)



ITEM NO.	DESCRIPTION
1	5/16 STAINLESS STEEL AND EPDM BONDED SEALING WASHER

1) 5/16 STAINLESS STEEL AND EPDM BONDED SEALING WASHER



Material	Stainless Steel/EPDM
Finish	Mill

REV.- CS1

LINE DRAWINGS

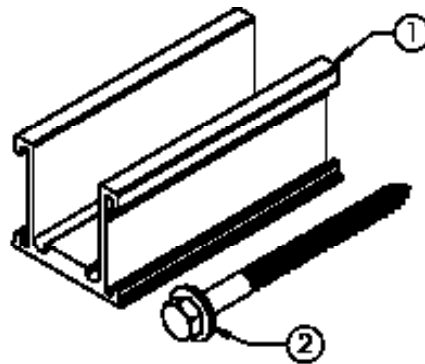
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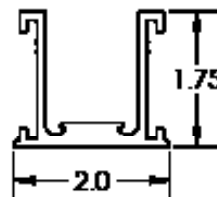
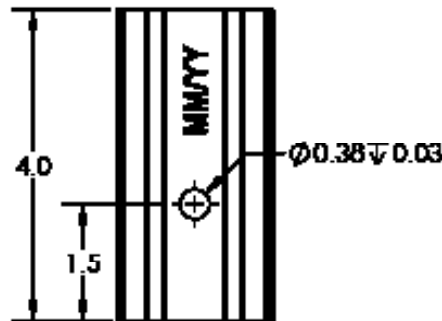
CUT SHEET: RI COMP SLIDE AL BLK

PART NUMBER	DESCRIPTION
2011013	RI COMP SLIDE AL BLK



ITEM NO.	DESCRIPTION
1	ROCKIT V3 SLIDECOMP
2	LAG SCREW, 5/16-4", THREAD 3", EPDM BACKED WASHER

1) ROCKIT V3 SLIDECOMP



Material	Aluminum
Finish	Black

REV.- CS1

LINE DRAWINGS

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SYSTEM COMPONENTS

1. **GF-1 Flashing:**

All flashing options come with a pre-installed integrated EPDM grommet and one bonded stainless steel EPDM washer. Flashing are available in two options:

1. 8 x 10" .032 gauge galvalume with black (kynar painted) finish.
2. 8 x 12" .032 gauge aluminum with black (kynar painted) finish.

2. **Aluminum Compression Bracket:**

Compatible with a variety of EcoFasten compression brackets. EcoFasten compression brackets are made out 6000 series aluminum with options available for mill or black finishes depending on the bracket.

3. **Recommended Fasteners**

5/16"x4" lag bolts. 3" option also available.

4. **Recommended Sealant:**

If required by roof manufacturer, sealant shall be roof manufacturer approved.

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.

FLORIDA PRODUCT APPROVAL

GF-1

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Approved for any combination of 8"x12" GF-1 flashing with the ClickFit L-foot & Lag Screw.

PATENTS

Visit www.efpatents.com for patent information.

DESIGN REQUIREMENTS

1. Bracket spacing to be recommended by project engineer.
2. It is important to design new structures or assess existing structures to make sure they withstand retained loads.

EXAMINATION

1. Substrate: Inspect structure on which brackets are to be installed and verify that it will withstand any additional loading that may be incurred.
2. Notify General Contractor of any deficiencies before installing EcoFasten Solar brackets.
3. Verify that roofing material has been installed correctly prior to installing solar attachment bracket.

INSTALLATION

Comply with architectural drawings and project engineer's recommendation for location of system. Comply with Manufacturer's written installation instructions for installation and layout.