



METAL ROOFING
SYSTEMS

FL 46078.01 R0
PERIMETER/ROOF EDGE METAL

PERIMETER/ROOF EDGE METAL

Secure Lock Drip Edge
Secure Lock Gravel Stop
Termination Edge
Secure Lock/Double Lock Coping

Manufactured by: Metal Roofing Systems

PO Box 1534

Denver NC 28037

With production facilities around the US

www.metalroofingsystems.com

Compliance Statement: These products as described have demonstrated compliance with Florida Building Code 2023, 1504.5 (non-HVHZ) as required by FL Rule 61G20-3, method 1D; subject to the exclusions/limitations noted.

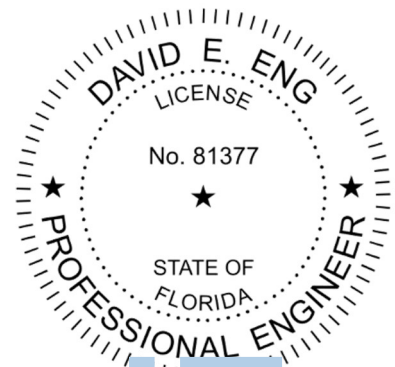
Technical Documentation: This product has been tested to the following standards by FM Approvals (TST 1867):

- ANSI/SPRI/FM4435, ES-1: report PR453398

Evaluated by: David Eng, PE | Timberlake Cove, LLC
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Certification of Independence:

David Eng, PE and Timberlake Cove, LLC do not have, nor will they acquire a financial interest in any company manufacturing or distributing products under this evaluation. The same entities do not have, nor will they acquire, a financial interest in any other entity involved in the approval or testing process of the product.



Digitally signed
by David E Eng
Date: 2023.12.21
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This item has been digitally signed and sealed by D.E. Eng, PE, on the date indicated. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies



Secure Lock Drip Edge

Product: drip edge with 8 in. front height

Installation: Outside face of continuous cleat secured to the nailer with 1.5" ring shank nails spaced 6" o.c. and located 2.5" (max) from the bottom.

Top is secured through drip edge and cleat with ring shank nail spaced 12" o.c. and located 2" from the front face.

Pressure Ratings:

Minimum Material/Thickness	Cleat	Horizontal Pressure, psf
24ga steel	22ga steel	136
0.040 aluminum	22ga steel	196

Pressures shown are ultimate tested pressures.

All dimensions are nominal

1.25" #10 fasteners may be substituted for the 1.5" ring shank nails



Secure Lock Gravel Stop

Product: gravel stop with 8 in. front height

Installation: Outside face of continuous cleat secured to the nailer with 1.5" ring shank nails (or 1.25" #10 fasteners) spaced 6" o.c. and located 2.5" (max) from the bottom.

Top of the cleat is secured to the nailer with ring shank nail spaced 12" o.c. and located 1" from the front face.

Top of the gravel stop is secured to the nailer with 1.5" ring shank nails 12" o.c. and located 1.5" from the back.

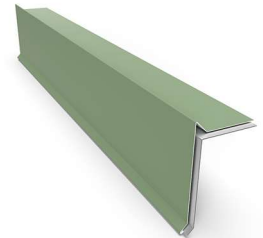
Pressure Ratings:

Minimum Material/Thickness	Cleat	Horizontal Pressure, psf
24ga steel	22ga steel	156
0.040 aluminum	22ga steel	186

Pressures shown are ultimate tested pressures.

All dimensions are nominal

1.25" #10 fasteners may be substituted for the 1.5" ring shank nails





Termination Edge

Product: termination edge with 8 in. front height

Installation: Outside face of continuous cleat secured to the nailer with (2) 1.5" ring shank nails spaced 6" o.c. and located 1.5" and 4.5" from the bottom.

Fascia is engaged at the top and then pushed down to engage with the kick

Pressure Ratings:

Minimum Material/Thickness	Cleat	Horizontal Pressure, psf
24ga steel	22ga steel	136
0.040 aluminum	20ga steel	336

Pressures shown are ultimate tested pressures.

All dimensions are nominal

1.25" #10 fasteners may be substituted for the 1.5" ring shank nails



Secure Lock/Double Lock Coping

Product: 24" wide coping with 8" front face and 6" rear face.

Installation: Front cleat secured to the front face of the nailer with 1.5" ring shank nails spaced 6" o.c. and 1" from the bottom and secured to the top of the nailer with 1.5" ring shank nails spaced 12" o.c. and 1.5" from the front.

Rear cleat secured to the rear face of the nailer with 1.5" ring shank nails spaced 6" o.c. and 1" from the bottom and secured to the top of the nailer with 1.5" ring shank nails spaced 12" o.c. and 1" from the rear.

Front face is engaged to the kick, then rolled over the nailer and engaged to the rear kick. The rear is then crimped.

Pressure Ratings:

Minimum Material/Thickness	Cleat (two-part cleat)	Vertical Pressure, psf	Horizontal Pressure, psf
24ga steel	22ga steel	168	97.1
0.050 aluminum	22ga steel	218	126

Pressures shown are ultimate tested pressures.

All dimensions are nominal

1.25" #10 fasteners may be substituted for the 1.5" ring shank nails



Exclusions and Limitations: Design of deck, roof structure, roof membrane, and all other elements shall be completed by others. Product must be produced by the named manufacturer at a facility under a QA program which is audited by an approved QA auditing entity.

ANSI/SPRI ES-1 does not prescribe a factor of safety, and the pressure values shown are ultimate tested pressures. The designer should apply the appropriate factor of safety where required.

This report is limited to compliance with testing requirements of FBC 1504.5, as required by Rule 61G20-3. Neither Timberlake Cove nor the manufacturer shall be responsible for any conclusions, interpretations, or designs made by others based on this evaluation report. This report is limited solely to documenting compliance with Rule 61G20-3, and makes no express or implied warranty regarding performance of this product or fitness of use.