

TSM Gravel Stop System



Overview

The TSM Snap Gravel Stop System is a two-part assembly that includes a continuous cleat and a decorative fascia cover for single-ply commercial roof systems. Our Snap Gravel Stop is available in pre-painted Kynar500® .040" formed aluminum as 24 gauge Galvalume steel. This product features a 22 gauge pre-punched cleats with fasteners spaced at 12" on center. All products come in standard 10' standard cleat and coping cover lengths. Concealed splice plates and fasteners are included with the purchase of this product.

Features and Benefits

- Secures roof Membrane to Parapet Wall
- Allows for the use of high-torque screws without penetrating the top surface of the Membrane
- Pre-Punched Continuous Cleat
- ANSI-SPRI ES-1 Certified
- 110 MPH 20-Year Wind Warranty
- Gold Standard Paint 35-Year Warranty
- Corporate and Custom Colors are available

Installation

For complete installation instructions, please refer to TSM Architectural specifications and details.

REVIEW CURRENT TSM ARCHITECTURAL SPECIFICATION AND DETAILS FOR SPECIFIC INSTALLATION REQUIREMENTS.

Quality Assurance

TSM Snap Gravel Stop system is tested per ANSI/SPRI Test Method RE-2 for fascia. The Snap Gravel Stop system shall be certified by TSM to design pressures as indicated in current edition of SPRI's Wind Resistance Standard for Edge Systems used with Low Slope Roofing System. This products meets International Building Code minimum requirement.

Technical Services

Engineering and shop drawings, as well as long-form specifications and CAD details, are available from TSM. Product samples, detail sheets, color chips and color charts are also available for submittal packages. For personal assistance with questions or for full submittals, contact TSM or your local independent sales representative.

Specifications

Material	Face	Sustained Pressures
24 gauge	up to 10"	-180 psf (*)
0.040 AL	up to 10"	-170 psf (*)

* Design Engineer must apply the Factor of Safety

**ADDITIONAL GAUGES - .050 and .063 aluminum and 22 gauge Galvalume are available upon request



Our Shop is Your Shop!

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web: www.tsmny.com

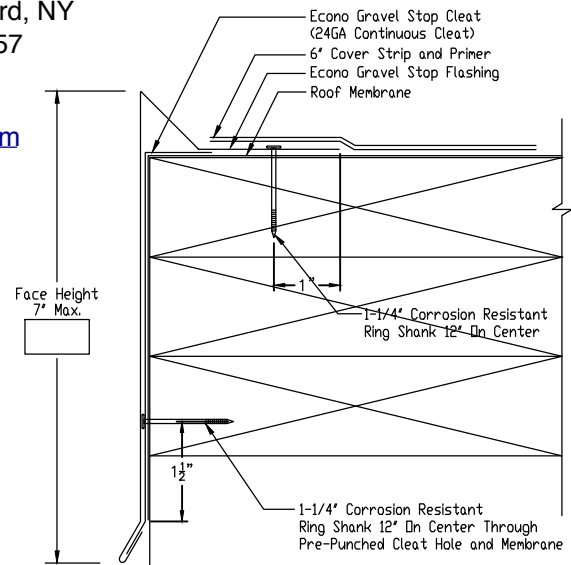
email: sales@tsmny.com



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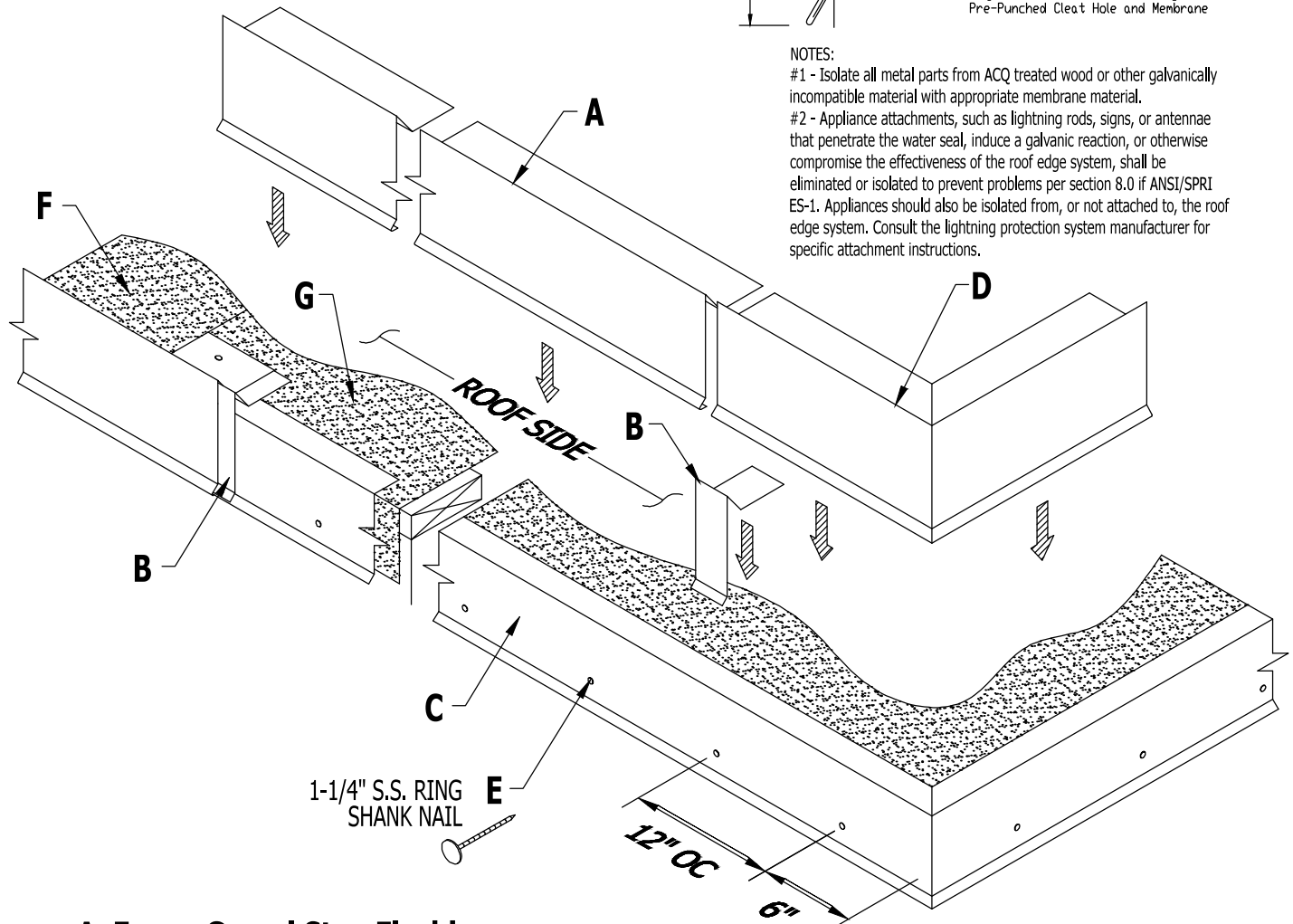
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Installation Guide for Econo Gravel Stop



NOTES:

- #1 - Isolate all metal parts from ACQ treated wood or other galvanically incompatible material with appropriate membrane material.
- #2 - Appliance attachments, such as lightning rods, signs, or antennae that penetrate the water seal, induce a galvanic reaction, or otherwise compromise the effectiveness of the roof edge system, shall be eliminated or isolated to prevent problems per section 8.0 if ANSI/SPRI ES-1. Appliances should also be isolated from, or not attached to, the roof edge system. Consult the lightning protection system manufacturer for specific attachment instructions.



A. Econo Gravel Stop Flashing
 10'-0" Std. Lengths (20'-0" Max.)

B. Econo Gravel Stop Splice Plate
 6" Lengths

C. 24GA Galvanized Continuous Cleat
 10'-0" Lengths

D. Econo Gravel Stop Miter
 (Outside Corner Shown)

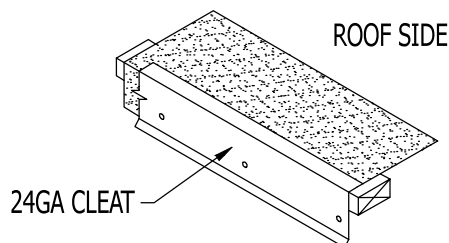
E. 1-1/4" S.S. Ring Shank Nail
 at 12" o.c. (6" from ends)
 (Included & Required)

F. 6" Cover Strip
 (By Installer)

G. Approved Roofing Membrane
 (By Installer)

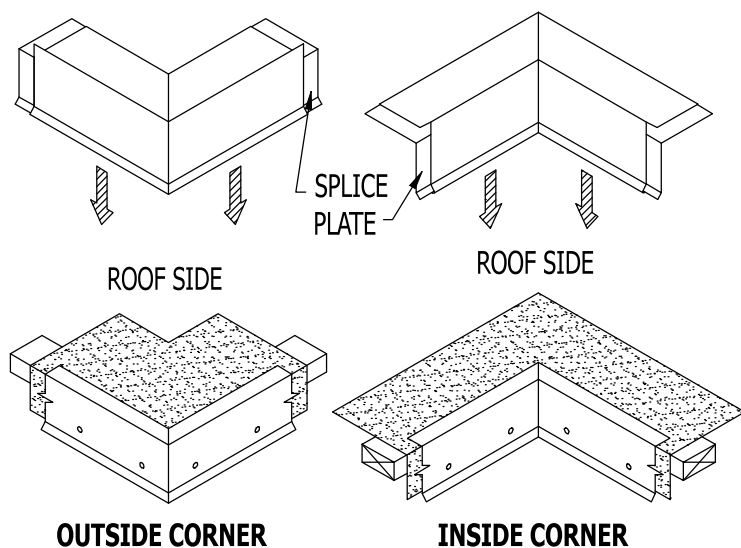


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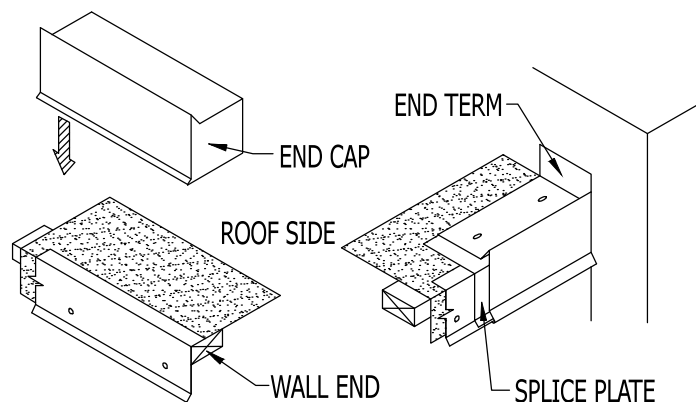
STEP 1: Installing 24GA Galvanized Cleat

Place the top lip of the Cleat squarely on the top edge of the roofing membrane and treated wood nailing plate. Press Cleats securely in position and nail through the pre-punched holes with 1-1/4" S.S. Ring Shank Nails provided. For Miter application, fit into corner as required to maintain a continuous Cleat line. Then nail at a min. 6" in each direction from the corner or closer at special conditions.



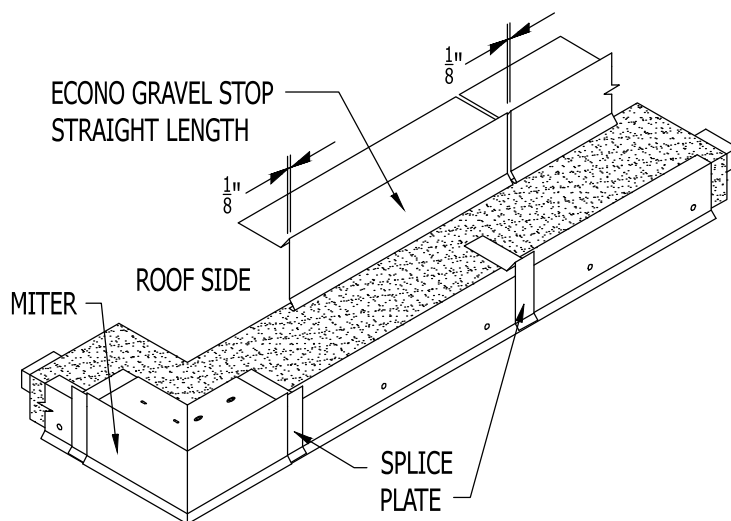
STEP 2: Econo Gravel Stop Miters

Locate the Miters and Splice Plates for the appropriate corners. Place a Splice Plate under each end of the Miter sections. Install the Miter by hooking the Econo Gravel Stop Miter onto the kick out of the Cleat, and rotate back onto the roof. Fasten with 1-1/4" S.S. Ring Shank nails provided at 12" on center maximum.



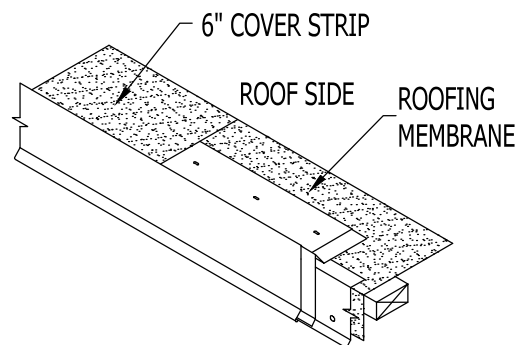
STEP 3: Installing Econo Gravel Stop End Caps & Terms

Install the Econo Gravel Stop End Caps and End Terms by hooking the drip of the Econo Gravel Stop End Cap or Term onto the kick out of the Cleat and rotate back onto the roof. Fasten with 1-1/4" S.S. Ring Shank Nails provided at 12" on center maximum.



STEP 4: Installing Econo Gravel Stop Straight Lengths

Place a Splice Plate in the opposite end of the installed Miter or End Cap. Install the Econo Gravel Stop by hooking the drip on to the kick out of the Cleat and rotate back onto the roof. Fasten with 1-1/4" S.S. Ring Shank Nails provided at 12" on center maximum. **Allow $\frac{1}{8}$ " Gap between Econo Gravel Stop lengths for thermal expansion.** Consider lengths of all straight pieces prior to cutting to avoid creating relatively short sections adjacent to one another. Note: There should be a Splice Plate at every joint.

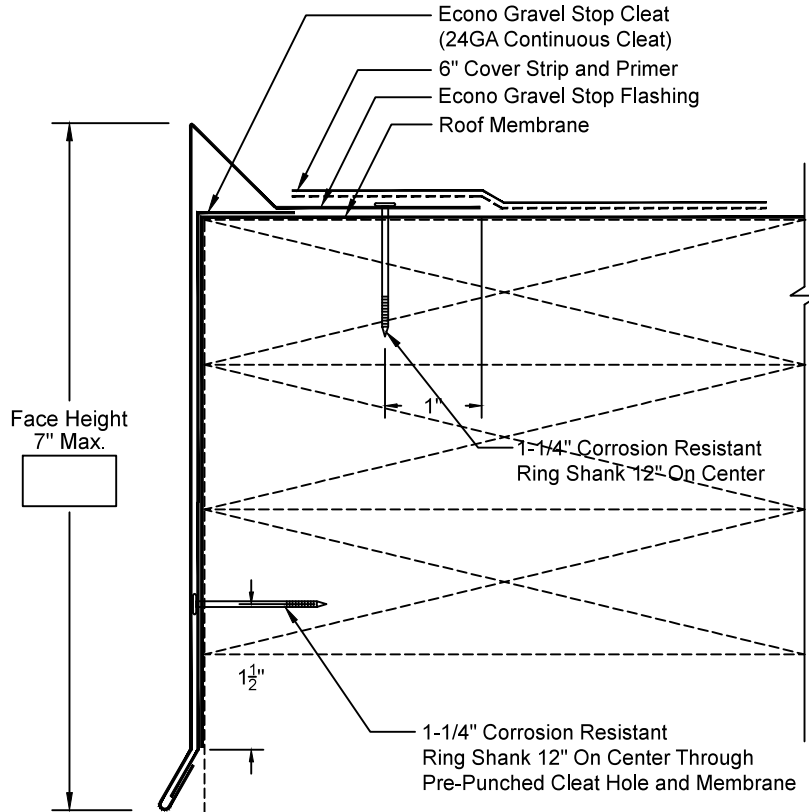


STEP 5: Installing Approved Roofing Membrane

Install 6" Cover Strip per roofing manufacturer's instructions.

Econo Gravel Stop

ANSI/SPRI ES-1 CERTIFIED: .032" Aluminum = 260 psf, 24GA Steel = 310 psf



- Continuous Cleat and Fasteners provided.
- Concealed Splice Plates provided.
- Splice Plate Sealant available for extra charge.

PRINT APPROVAL:

Architect and/or Contractor shall verify all dimensions, sizes, and quantities, All products to be installed in strict accordance with Drexel's printed instructions.

Approved By: _____

Date: _____

QUANTITIES:

Lineal Feet (10'-0" Lengths*): _____

Outside Miters** : _____ ☐ Optional Welded (Surcharge Applies)

Inside Miters** : _____ ☐ Optional Welded (Surcharge Applies)

Right End Caps** : _____ ☐ Optional Welded (Surcharge Applies)

Left End Caps** : _____ ☐ Optional Welded (Surcharge Applies)

Splice Plate Tape Sealant: ☐ Optional Sealant (Surcharge Applies)

* Optional lengths available up to 20'-0"

** Standard riveted

PROJECT: _____

ARCHITECT: _____

ROOFING CONTRACTOR: _____

REPRESENTATIVE: _____



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MATERIAL:

☐ 24GA ☐ .032" AL

☐ Other: _____

Finish: _____

Color: _____

Effective Date: 9-1-15

Drawn By: J.S.

Approved By: B.P.