PRODUCT CATALOG

MARCO METALS LLC

PREMIUM ROOFING. LEGENDARY SERVICE.

www.marcometals.com

MARCO METALS, LLC

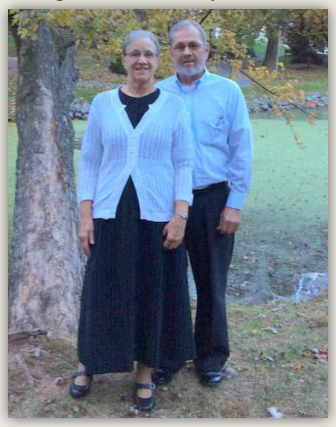
"Premium roofing. Legendary service."

Marco Metals, LLC is a family-owned and operated company with its origin in the small town of Chuckey, Tennessee. When John (bottom left) started the business in 1994, his goal was to provide contractors and the general public with quality metal roofing, vertical siding, and post-frame building products.

Combining a premium product with great service, John and his sons quickly grew the home-based retail business. By 1998, the company was a major manufacturer in northeast Tennessee and surrounding markets. In 2003, the company opened an outlet in Stuarts Draft, Virginia, to better serve the Shenandoah Valley and surrounding regions. In 2012, the decision was made to sell the Tennessee division and refocus on other markets. A manufacturing plant was opened in Harrisonburg, Virginia, to provide Virginia and areas of Maryland, West Virginia, and Pennsylvania with prompt, courteous service under the name of Marco Metals, LLC.

In the proceeding years, John's son Mark (bottom right) has taken over the family business and, following in his father's footsteps, is committed to our mission statement: "To provide our customers with the highest quality metal roofing and post-frame products at competitive prices, while demonstrating the Biblical standard of graciously serving our fellowman."

We confidently credit the success of our business to solid family ties and, most importantly, a deeply rooted Biblical foundation. We hold firm to our motto taken from Matthew 7:12 KJV, "*Therefore all things whatsoever ye would that men should do to you, do ye even so to them.*"



We at Marco Metals see this verse as a command to be fair and equitable in the service of our customers. Whether your business is large or small, we will treat you with the same courtesy and respect that we like to receive. Give us a try and see the difference these principles make in your next purchase.

MARCO METALS LLC
PREMIUM ROOFING. LEGENDARY SERVICE.

Proud member of the:
MRA METAL ROOFING ALLIANCE

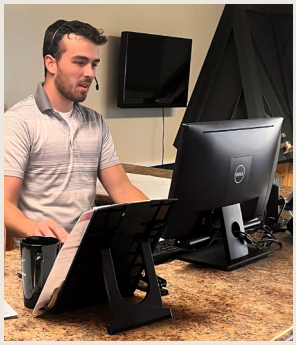
We Sell ENERGY STAR

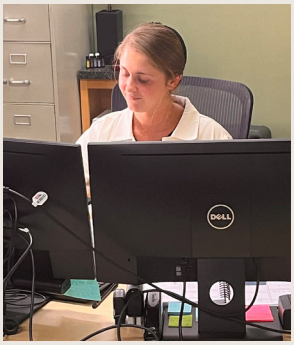
WeatherXL valspar

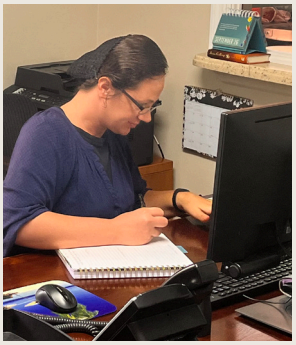
MARCO METALS LLC

Our Mission Statement

To offer quality metal roofing and post-frame products at competitive prices, while demonstrating the Biblical standard of graciously serving our fellowman.







SERVICE · AVAILABILITY · QUALITY · ACCURACY · FAST DELIVERY




TUFF RIB

Commercial

Residential

Agricultural

Tuff-Rib/5V Installation Guide

Storage and Handling

Store roofing panels in a dry place. If panels must be stacked outside, they should be kept off the ground on wooden blocks. Canvas or waterproof paper should be used for cover rather than plastic tarping. Install the metal as quickly as possible. If moisture is allowed to become trapped between panels, staining and rust can occur and voids all warranties.

Protect panel edges from damage at all times to assure good fitting and good looking lap joints. To prevent scratching, do not drag panels across the surface of each other. Panels should be lifted completely off the stack before carrying. Carry individual panels vertically on edge whenever possible to avoid bending.

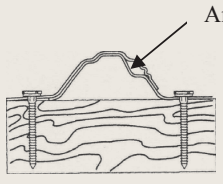
Cutting and Trimming

Always cut metal roofing with snips or shears. Cutting with a saw creates small, hot chips which embed into the paint, create a rust point, and void any warranty. If you must use a saw, cut from the bottom to avoid chips falling on the painted top side. Be sure to brush off all metal particles on the painted surface before installing to ensure warranty coverage. Drilling panels while stacked requires the same care.

CAUTION: Safety glasses and gloves must be worn when cutting metal panels.

Installation

Panels should be installed beginning at the end of the building away from the prevailing wind with the underlap on the side of the panel toward the prevailing wind.



Anti-siphon groove should not be clogged by caulk, mastic, screws or nails.

The first panel determines the alignment of all remaining panels on the roof, so care must be taken to accurately square the first sheet. Check alignment periodically at eave and ridge to maintain square.

Roof panels may be installed over 2x purlins spaced no more than 2 feet on center or over ½" plywood or 5/8" OSB.

If end laps are required, the panels should lap at least 6 inches with a row of mastic tap or caulk being placed between the panels below the screw line of the overlapping piece. End laps should be done over a purlin.

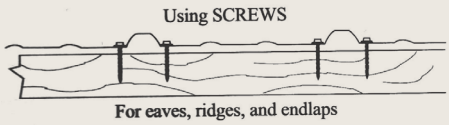
Do not install siding panels in contact with the ground. A base board or other foundation should be provided to allow at least three inches of lap with adequate clearance from the ground.

Roof pitch should not be lower than a 3 inch rise per foot.

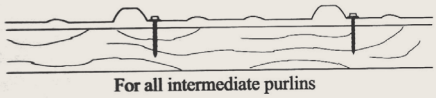
Fastening

Screws with neoprene washers are the recommended fasteners. Washer-head roofing nails may also be used. Screws should be long enough to penetrate at least one inch into the fastening surface. Nails should be longer.

Fasteners should be driven until the neoprene washer is snug against the surface of the metal panel. Over-driving or under-driving will allow leakage to occur. Nails should be fastened on the rib and screws should be fastened through the flat of the panel



For eaves, ridges, and endlaps



For all intermediate purlins

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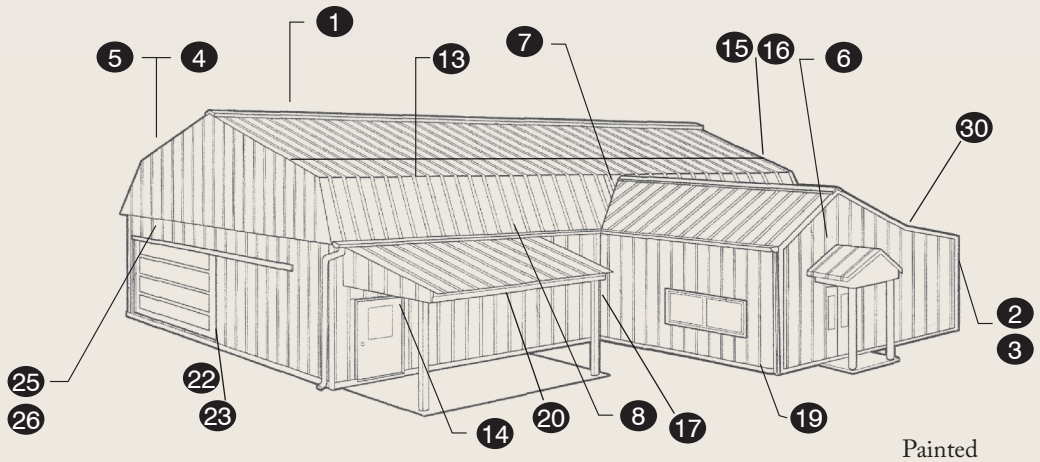
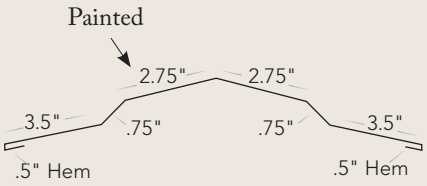
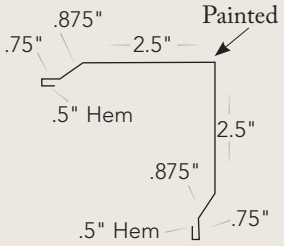
Harrisonburg, VA 22801
540-437-2324

TUFF-RIB®/5-V TRIM PROFILES

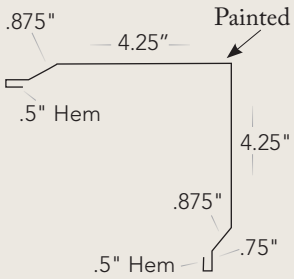




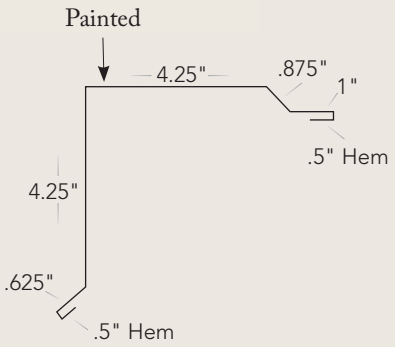
1 Ridge Cap



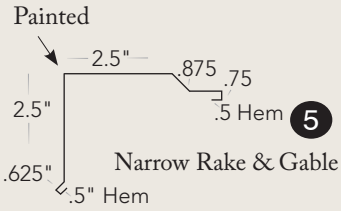
2 Narrow Outside Corner



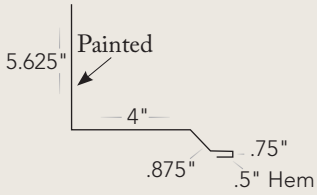
3 Wide Outside Corner



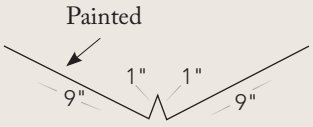
4 Rake & Gable



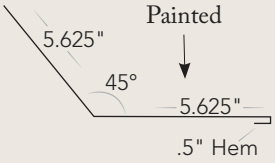
5 Narrow Rake & Gable



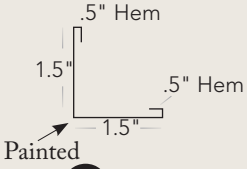
6 Sidewall



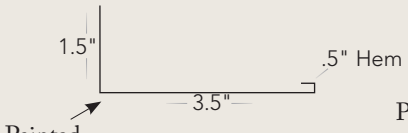
7 W Valley



8 Endwall



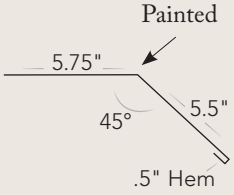
9 1.5" Angle
not illustrated



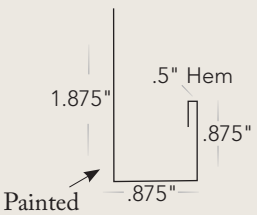
10 3.5" Angle
not illustrated

11 5.5" Angle
not illustrated

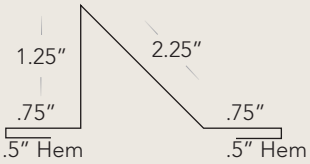
12 7.5" Angle
not illustrated



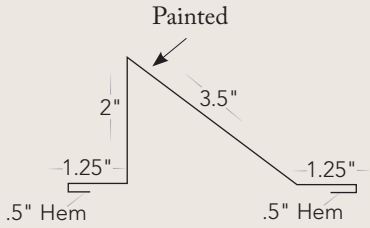
13 Gambrel Flashing



14 J-Channel

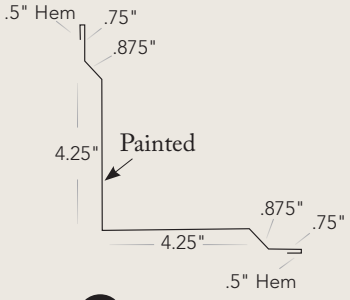


15 Mini Carolina Snow Guard

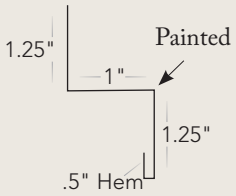


16 Carolina Snow Guard

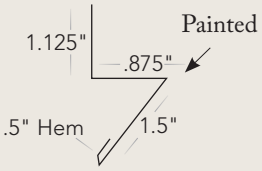
TUFF-RIB®/5-V TRIM PROFILES CONT.



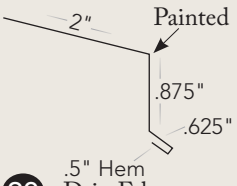
17 Inside Corner



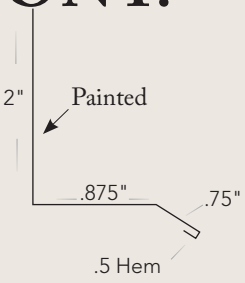
18 Double Angle
not illustrated



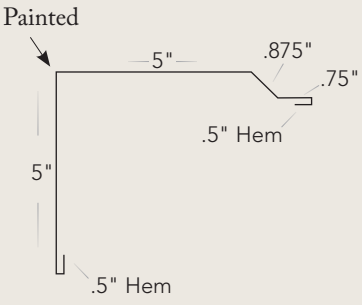
19 Rat Guard



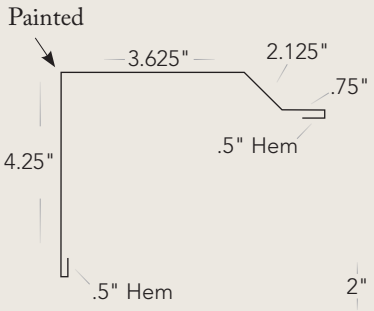
20 Drip Edge



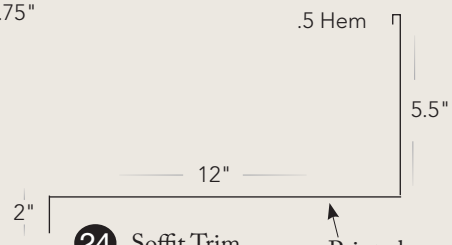
21 Drip Flashing
not illustrated



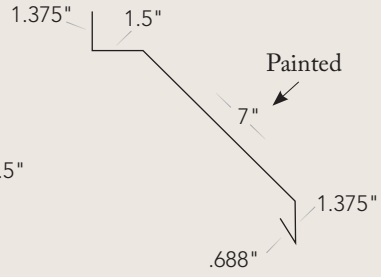
22 Wide Sliding Door



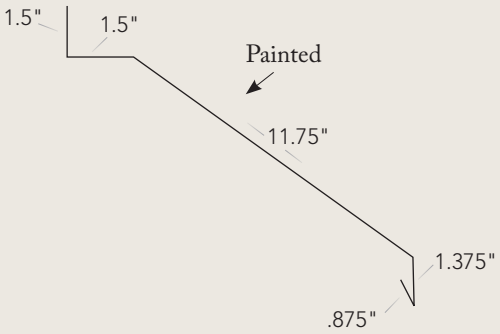
23 Narrow Sliding Door



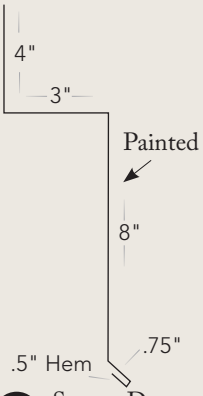
24 Soffit Trim
not illustrated
Also Available Perforated



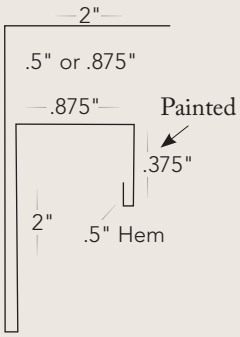
25 Round Door Track Cover



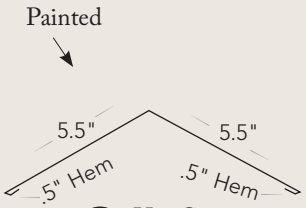
26 Double Round Door Track Cover



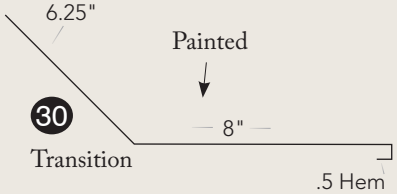
27 Square Door Track Cover



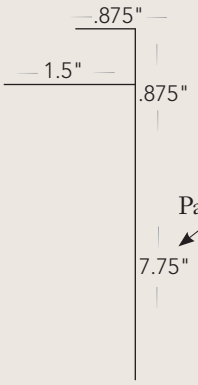
28 F-J Trim
not illustrated



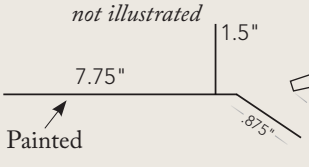
29 Hip Cap
not illustrated



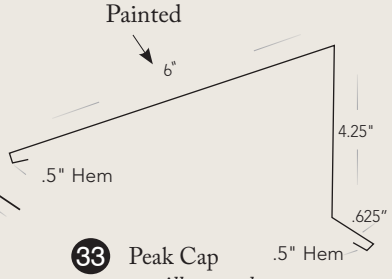
30 Transition



31 Overhead Door Trim
not illustrated



32 Overhead Door Drip
not illustrated



33 Peak Cap
not illustrated

STANDING SEAM

MARCO METALS STANDING SEAM PROFILES

1" Snap Lock Screw Flange 16" Panel

Item Code: 1SL

1 ½" Snap Lock Screw Flange 16" Panel

Item Code: 155L

1" Mechanical Seam 17" or 21" Panel

Item Code: SS1

1.75" Clip Snap Lock Panel 16" Panel

Item Code: CS

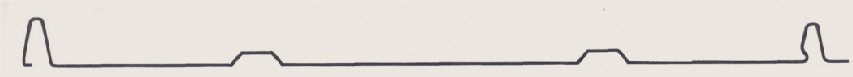
1.5" Mechanical Seam 16" or 20" Panel

Item Code: SS1.5

2" Mechanical Seam 14" or 18" Panel

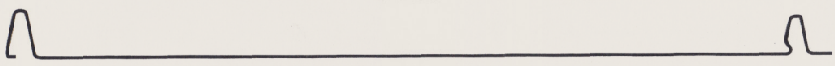
Item Code: SS2

Choose Your Pan Style



Pencil Rib

Striations



Flat

Loved By Residential and Commercial Architects

Standing seam is a descriptive industry term for vertical sheet metal roofing system. Standing seam is one of the most popular metal roofing systems because of its beauty, durability, longevity, simplicity, versatility, and bold looks. Homeowners considering installing standing seam on their property, often do so because they like the modern style of raised seams giving their home that bold, contemporary look and feel, along with unmatched durability, longevity, and energy efficiency.

Durability and Longevity: Standing seam metal roofs are famous for their exceptional durability and longevity. This roof will not crack, shrink, erode, or perforate. It offers superior protection against fire and strong wind. A standing seam metal roof is the most stable form of roofing during hurricanes. You will have real peace of mind with a standing seam metal roof, as it will last for decades requiring virtually no maintenance.

Snap-Loc Installation Guide

The Way to Start

A standing seam roof is very beautiful and extremely durable when installed properly. To install one properly requires a high degree of technical expertise. Do not attempt to install a Snap-Loc roof unless you are experienced or have access to someone who can give you the technical advice necessary to do a quality, leak-proof job.

It is recommended that Snap-Loc panels be placed on a solid substrate with a vapor barrier of synthetic underlayment when installing on new construction. It is not recommended to put Snap-Loc panels directly over shingles when reroofing. Use an underlayment or better yet purlins over top of the shingles if the shingles are not to be removed. It may be necessary to use ice/water shield with the bottom row of underlayment. (check local building code)

Condensation is caused by the combination of moisture in the air and variations in temperature. Be sure that ventilation and/or insulation are adequate and properly installed before installing the roof panels so that moisture-laden air is either removed or kept from contacting the bottom of the roof panels.

Cutting and Trimming

Always cut metal roofing with snips or shears. Nibblers will also work if care is taken to remove any chips or shavings. Cutting with a saw creates small, hot chips which embed into the paint, create a rust point, and void any warranty. If you must use a saw, cut from the bottom to avoid chips falling on the painted top side. Be sure to brush off all metal particles on the painted surface before installing to ensure warranty coverage. It is also recommended that cutting and drilling be done off the roof whenever possible.

CAUTION: Safety glasses and gloves must be worn when cutting metal panels.

Marco Metals
4773 South Valley Pike
Harrisonburg, VA 22801
540-437-2324

Installation of Snap-Loc

Begin by installing eave and valley trim. An extended eave trim with the panel being hemmed around it is the preferred eave detail.

A strip of mastic should be placed on the eave trim below the first screw.

It is extremely important that the first panel be laid straight and flat. Proper installation of the first panel will greatly enhance the ease of installation for the rest of the roof. Start laying panels with the underlap side at the downwind edge of the roof. It is helpful to plan panel layout ahead of laying the first panel so that each end panel can be cut to approximately equal width for better appearance.

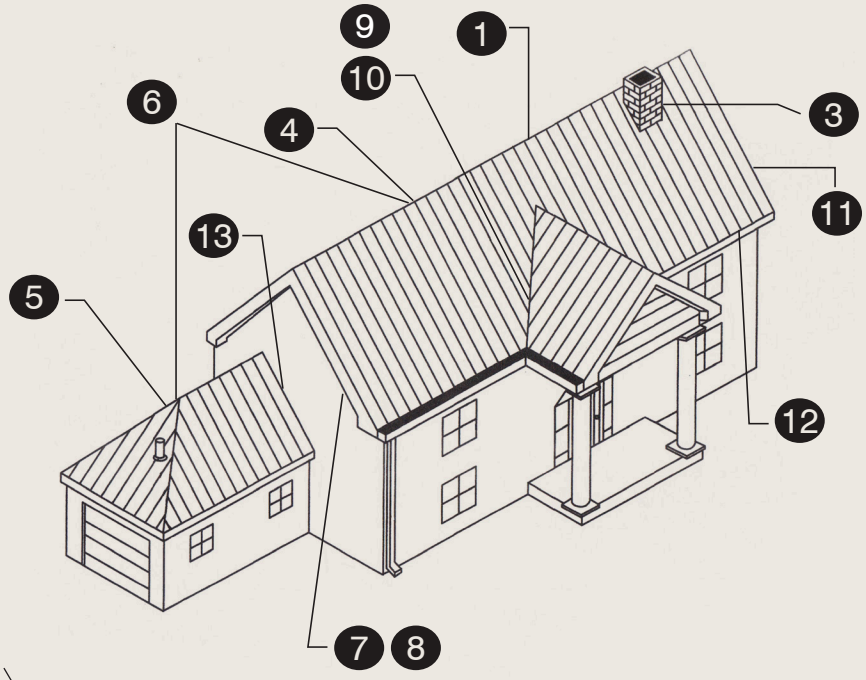
Pan-head screws should be spaced not more than 24” on-center fastened through the fastening flange or clip.

When applying trim it is important to remember that a Snap-Loc roof is not designed to hold water but to shed water as quickly and efficiently as possible. Apply this principle as the guide and it will help you understand how to apply trim to your new roof in most situations. Overlaps must be long enough and barriers must be installed where necessary to turn water in the right direction and keep it flowing that way.

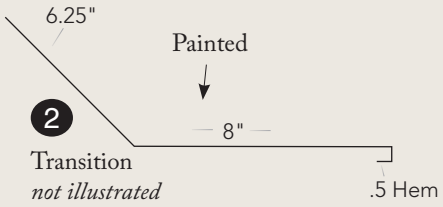
Metal on metal contact has the potential to produce the ‘hydraulic effect’ which will actually siphon water into an area, even uphill for long distances. The use of mastic tape in many situations where there is metal on metal contact will help prevent leaks. Because of the expanding and contracting of metal roofing, a high quality roofing caulk is essential in applications where mastic cannot be used. Most silicones are not recommended.

If you want to minimize oil-canning it is recommended that you order your Snap-Loc panels with striations or pencil ribs in the pan. Without them significant oil-canning can occur. Fastening the panels on a solid surface as straight and flat as possible will reduce that effect.

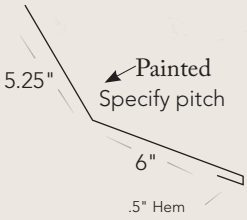
SNAPLOC STANDING SEAM TRIM PROFILES



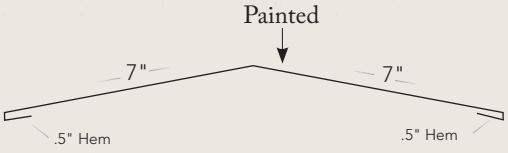
1 C-Channel



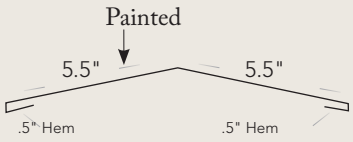
2 Transition
not illustrated



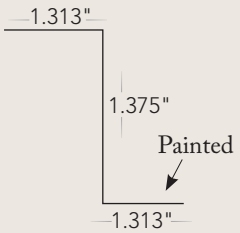
3 Endwall



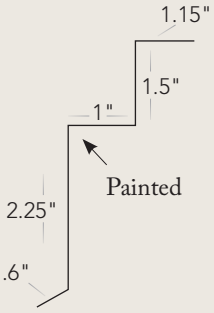
4 Ridge Cap



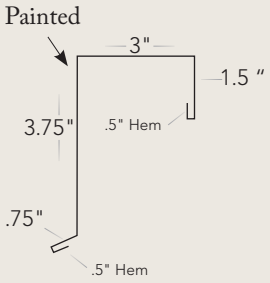
5 Hip Cap



6 Z-Bar
available in cut to length



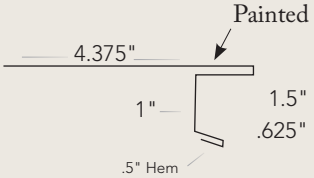
7 Z- Rake Cleat



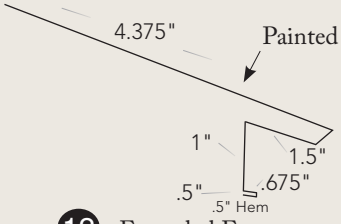
8 Rake

9 Offset Cleat

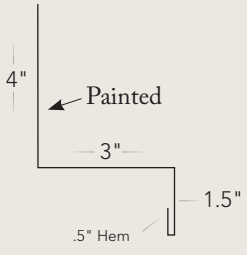
10 Valley



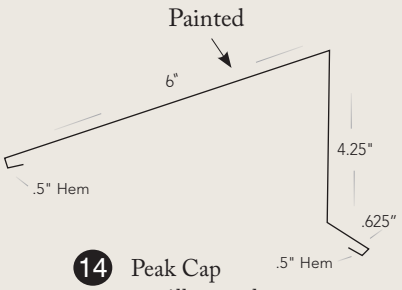
11 Extended Rake



12 Extended Eave



13 Sidewall



14 Peak Cap
not illustrated

R-Panel Installation Guide

Storage and Handling

Store roofing panels in a dry place. If panels must be stacked outside, they should be kept off the ground on wooden blocks. Canvas or waterproof paper should be used for cover rather than plastic tarping. Install the metal as quickly as possible. If moisture is allowed to become trapped between panels, staining and rust can occur and voids all warranties.

Protect panel edges from damage at all times to assure good fitting and good looking lap joints. To prevent scratching, do not drag panels across the surface of each other. Panels should be lifted completely off the stack before carrying. Carry individual panels vertically on edge whenever possible to avoid bending.

Cutting and Trimming

Always cut metal roofing with snips or shears. Cutting with a saw creates small, hot chips which embed into the paint, create a rust point, and void any warranty. If you must use a saw, cut from the bottom to avoid chips falling on the painted top side. Be sure to brush off all metal particles on the painted surface before installing to ensure warranty coverage. Drilling panels while stacked requires the same care.

CAUTION: Safety glasses and gloves must be worn when cutting metal panels.

Installation

Panels should be installed beginning at the end of the building away from the prevailing wind with the underlap on the side of the panel toward the prevailing wind.

The first panel determines the alignment of all remaining panels on the roof, so care must be taken to accurately square the first sheet. Check alignment periodically at eave and ridge to maintain square.

If end laps are required, the panels should lap at least 6 inches with a row of mastic tap or caulk being placed between the panels below the screw line of the overlapping piece. End laps should be done over a purlin.

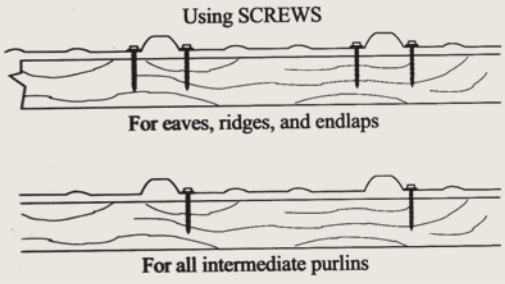
Side laps should have mastic applied to the underlap and be fastened with stitch screws.

Do not install siding panels in contact with the ground. A base board or other foundation should be provided to allow at least three inches of lap with adequate clearance from the ground.

Fastening

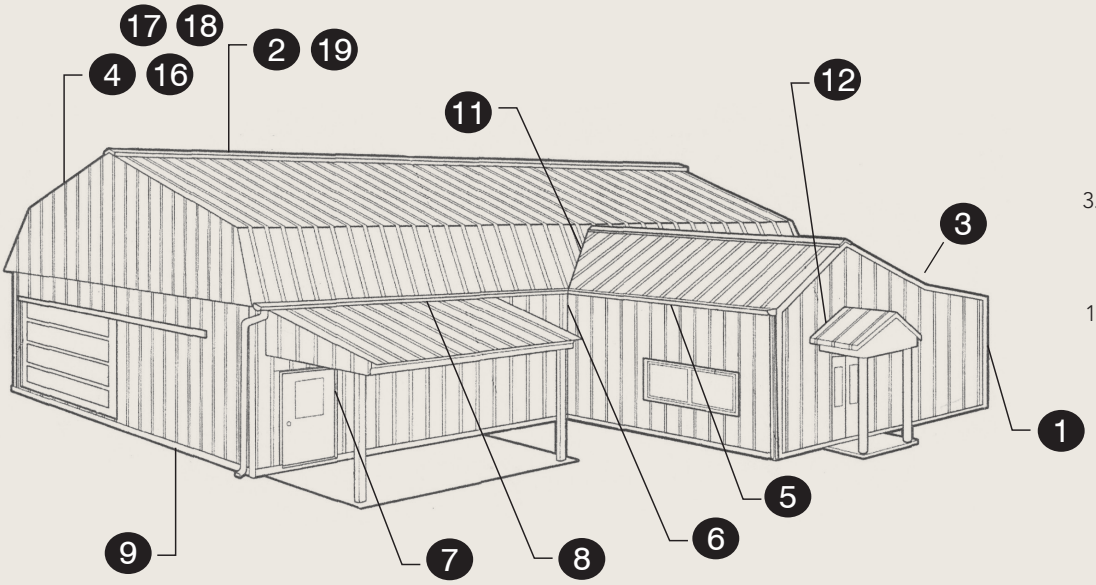
Screws with EPDM washers are the recommended fasteners. Screws should be long enough to penetrate at least one inch into the fastening surface. Nails should be longer.

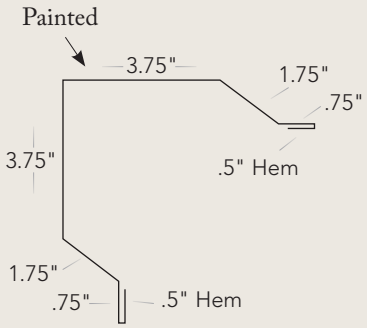
Fasteners should be driven until the EPDM washer is snug against the surface of the metal panel. Over-driving or under-driving will allow leakage to occur.



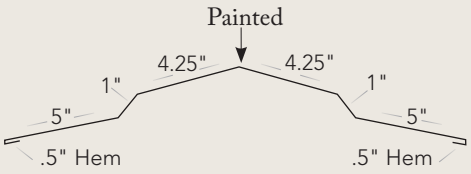
Marco Metals
4773 South Valley Pike
Harrisonburg, VA 22801
540-437-2324

R-PANEL TRIM PROFILES

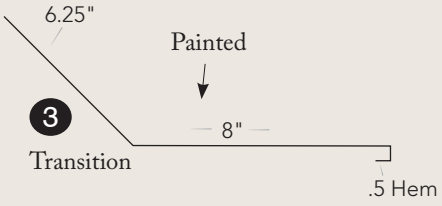


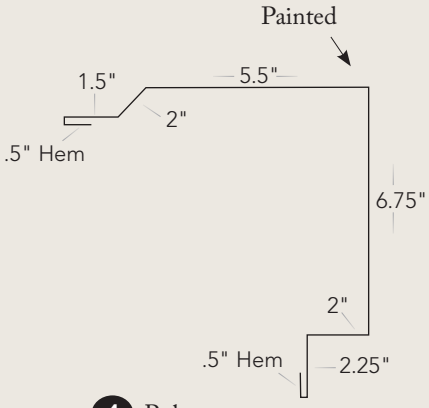


1 Outside Corner

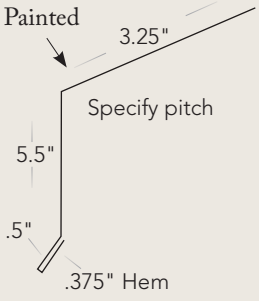


2 Ridge Cap

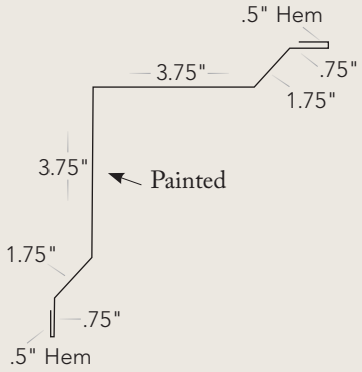




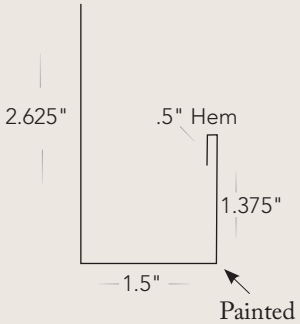
4 Rake



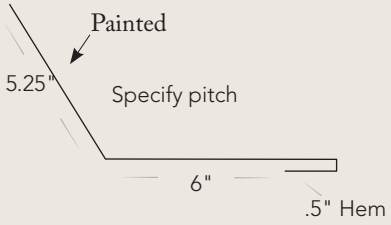
5 Eave



6 Inside Corner

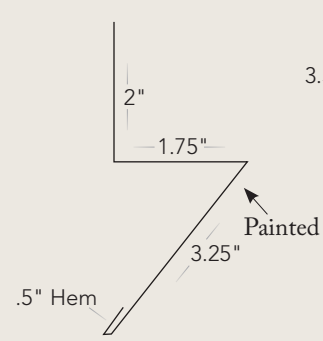


7 J-Channel

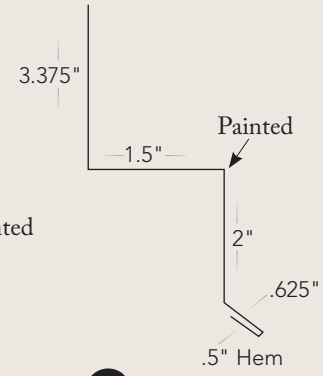


8 Endwall

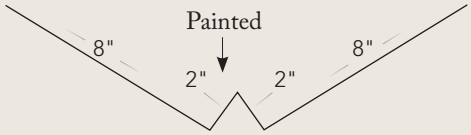
R-PANEL TRIM PROFILES CONT.



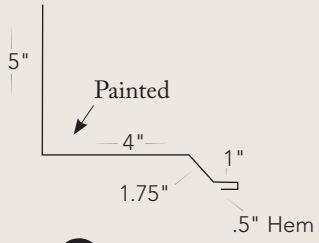
9 Rat Guard



10 Wainscoat
not illustrated

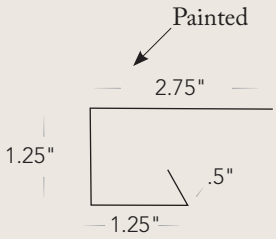


11 Valley

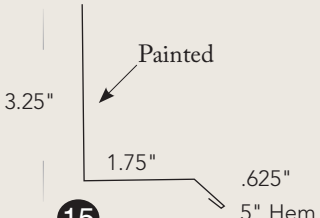


12 Sidewall

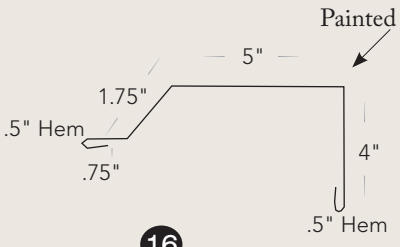
13 Jamb Header
not illustrated



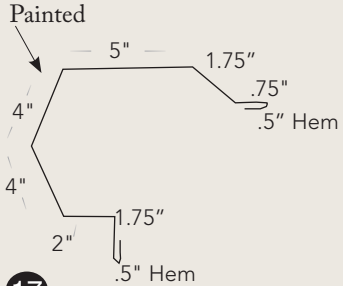
14 Jamb Trim
not illustrated



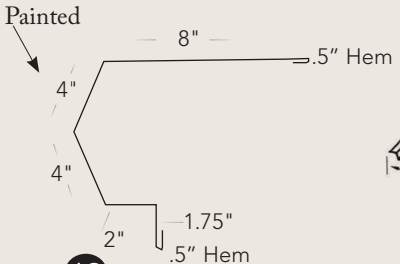
15 Base Trim
not illustrated



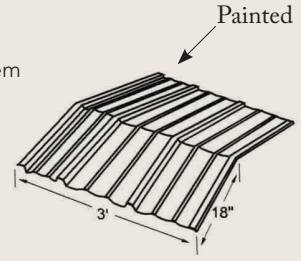
16 Narrow Rake Trim



17 Commercial Rake Trim



18 Hi-Side Eave Trim



19 Preformed Ridge Cap

SNOW GUARDS

Calculate how many snow guards you will need at snowguards.biz/snow-guard-calculator.php

Tuff-Rib Snowguard #T-SN4500
Specify color.

Designed for use with exposed fastener panels on 2 x 4 purlins in the flat position.

- Made with 16 Gauge Type 304 Stainless Steel
- EPDM Rubber Sealer
- Powder Coated
- No Caulk Needed

EPDM Rubber Sealer

Tuff-Rib Snowguard #T-SN1500
Specify color.

Designed for use with an exposed fastener panel on 2 x 4 purlins in the upright position.

- Made with 16 Guage Type 304 Stainless Steel
- EPDM Rubber Sealer
- Powder Coated
- No Caulk Needed

EPDM Rubber Sealer

Standing Seam Snowguard #S-SN6500
Specify color.

Designed for standing seam roofs. It fits standing seam up to ⅜" width and 1 ½" through 1 ¾" seam height.

- Made with Type 304 Stainless Steel
- Powder Coated
- Does Not Penetrate Through Metal

Underside View

RT Aluminium Snowguard #RT200C
Specify color.

It fits standing seam up to 3/16" width and 1 ¼" through 1 ¾" seam height.

RT Aluminium Snowguard #RT300C
Specify color.

It fits standing seam up to 9/32" width and 1 ¼" seam height.

SLIDING DOOR PARTS

Vertical Rail
#D-VR

Lengths Available
10', 12', 14', 16'

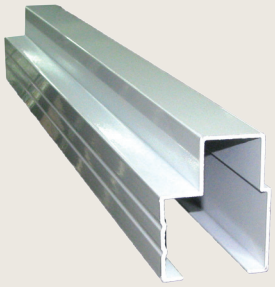
Face Mount Track Bracket
#D-FTB

Connector
Rail
#D-CR

Lengths Available
10', 12', 14', 16'

Track Bracket for Flashing
#D-TBF

Top Mount Track Bracket
#D-TTB



Bottom
Rail
#D-BR

Lengths Available
10', 12', 14', 16'

Double Track
Bracket
#D-DTB

Wood Frame Trolley Hanger
#D-TH

Track
Round
#D-TR

Lengths Available
8', 10', 12', 14', 16'

9.5" Trolley Hanger
#D-BH

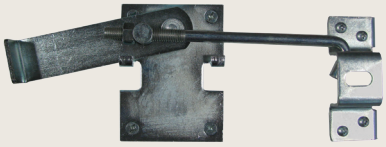
Splice
Collar
#D-TC

SLIDING DOOR PARTS

Bottom Guide Rail
#D-BGR
Lengths Available
6', 10'

Door Handle
#D-DH

Stop Bracket
#D-SB



Door Latch
#D-DL

Stay Roller
#D-SR

End Cap
#D-ES

ACCESSORIES

#3 Pipe Flashing
2.5" x 4". Available in red, brown, green, gray, and black.
#A-PF3

#3 HI TEMP Pipe Flashing
2.5" x 4" #A-PF3HT

#4 Pipe Flashing
3" x 6.25" #A-PF4

#4 HI TEMP Pipe Flashing
3" x 6.25" #A-PF4HT

#5 Pipe Flashing
4.25" x 7.5" #A-PF5

#5 HI TEMP Pipe Flashing
4.25" x 7.5" #A-PF5HT

#6 Pipe Flashing
5" x 9" #A-PF6

6 HI TEMP Pipe Flashing
5" x 9" #A-PF6HT

#7 Pipe Flashing
6" x 11" #A-PF7

#7 HI TEMP Pipe Flashing
6" x 11" #A-PF7HT

#8 Pipe Flashing
7" x 13" #A-PF8

8 HI TEMP Pipe Flashing
7" x 13" #A-PF8HT

#9 Pipe Flashing
10" x 19" #A-PF9

#9 HI TEMP Pipe Flashing
10" x 19" #A-PF9HT

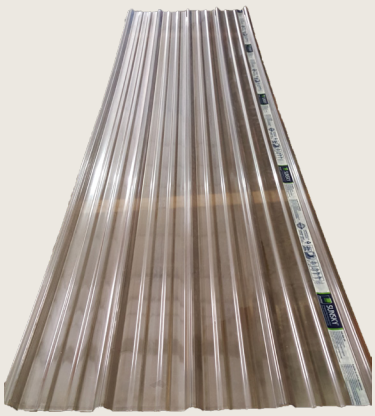
#101 Retrofit
.75" x 2.75" #A-PFR801

#201 Retrofit
2" x 7.75" #A-PFR802

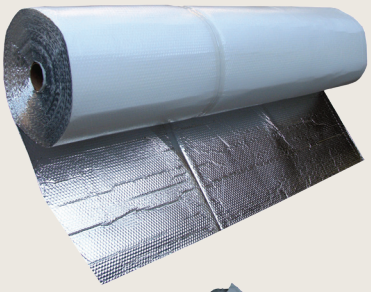
#301 Retrofit
3.25" x 10" #A-PFR803

Ridgelight 10' Clear
#A-SKR-CLEAR
Also available in white.
#A-SKR-WHITE

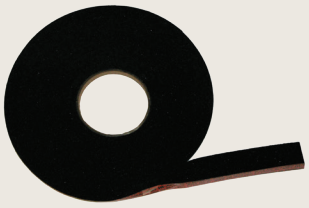
Skylight Panel
Clear 12'
#A-SKP-CLEAR
Also available in white.
#A-SKP-WHITE



ACCESSORIES



Single Bubble
Insulation
#A-SBI



Emseal
1" x 1¼ x 19'
#A-EF

Solar Guard
Insulation
#A-SGI

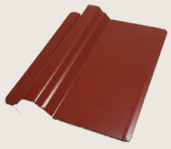
Mastic Tape
⅜" x 3/32" x 45' 1" x 3/32" x 45'
#A-M38 #A-M1

Perma Profelt Plus
#A-PERMAPLUS

Permafelt Synthetic
Underlayment
#A-PSU

Solar Seal Caulk
#A-SSC
Available in all colors.

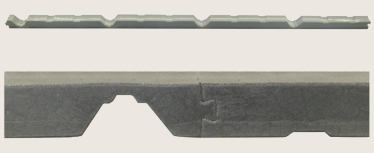
Drip Stop
#A-DS
Also available in Steel Shield



Solid Bottom
Closure
#A-BCLT
also #A-BCLR

#A-VTCLT
also #A-VTCLR

Vented Top
Closure



Solid Top Closure
#A-TCLT
also #A-TCLR

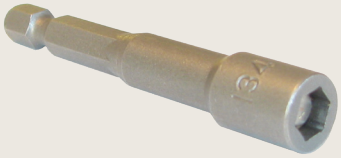
Flo-Vent
Top Closure
1½" x 1¾" x 10'
#A-VCFLO

TOOLS

3" Offset Hand Seamer
#ATOL3
Also Available 6"
#ATOL6

Replacement
Blade for Shears
#A-TSRB

3" Hand Seamer
#ATLS3
Also Available 6" #ATLS6
and 9" #ATLS9



Nut Driver
#A-ND14 – ¼"
#A-ND516 – 5/16"

Square Driver
#A-1SQ_

Turbo Shear
#A-TSH

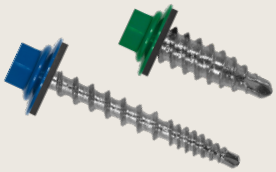
Edge Roller
#A-ER3

Aviation Snips
#A-AV6 – Right hand
#A-AV7 –Left hand

Hole Punch
#A-HOLEPU

Hemming
Tool
#A-HT
Lengths Available
15", 17", and 24"

SCREWS



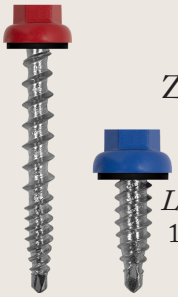
Kwikseal Woodbinder
Painted #A-PWS
Unpainted #A-UPWS

Lengths Available
1", 1½", 2", 2½", 3"

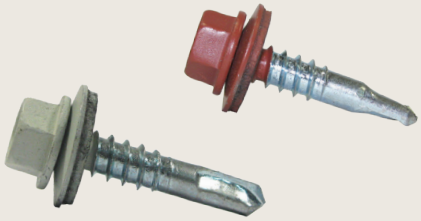
Specify color

Specify color

¾" Stitch Screw
Painted #A-PSS
Unpainted #A-UPSS

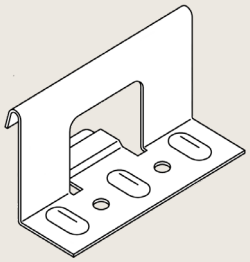


ZXL MB
Painted #A-ZXLS15
Unpainted #A-ZXLS2
Lengths Available
1½" and 2"



Self Drilling Screw
Painted #A-PSDS
Unpainted #A-UPSDS
Lengths Available
1", 1½", 2", 2½"
Specify color.

#2 Square Drive Panhead Screw
#A-PHS
Lengths Available
1" and 1½"



Standing Seam
Panel Clip 1 ¾"
#A-PCL134
Also Available in 1", 1.5", 2"
for Mechanical Seam

Pop Rivet
Painted #A-PPR
Unpainted #A-UPPR

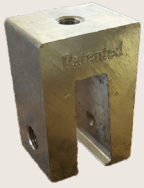
S-5

S-5 U Clamps
#S5-UC

S-5 V Clamps
#S5-VUC

S-5 N 1.5˝ Clamp
#S5-NC15

S-5 N Mini Clamp
#S5-NMC



S-5 N 1.5˝ Mini Clamp
#S5-NC

S-5 Sno Clip II
#S5-SCII

See Marco Metals for more S-5 options available.

S-5 Colorguard 8' Unpunched
#S5-CGU
2" Flat Metal
#S5-SFM

Flat metal

Premier Quality

In the world of construction everyone knows that you need a good foundation. However a good foundation is worth very little unless it is properly covered. At Marco Metals, LLC we insist on using thicker metal. We begin with a selection of 29 gauge, 26 gauge or 24 gauge metal, then add a durable coating of Valspar WeatherXL or Kynar 500 paint. This combination works hand in hand to provide you with outstanding strength and unrivaled durability. This makes Marco Metals, LLC roofing and siding the only thing you want to wrap your investment with.

Galvalume® Substrates are the heart of Marco Metals, LLC Panels. Galvalume® is a specialized combination of aluminum silicon and zinc which is applied to the steel substrate through a patented hot dipped process. The result is a highly corrosion-resistant material that delivers the optimum features of both aluminum and zinc. In fact Galvalume's® Performance in the industry has been so superior that steel mill's warranty it against rupture perforation or failure due to corrosion. Comparable Warranties do not exist for Galvanized!

Builders have been using metal for roofing for ages, and interestingly, they used it for basically the same reasons as modern builders. The Romans knew that metal was lightweight, reliable, and economical in relation to many other methods of roofing. To its credit, metal has many facets. While it provides wonderful tranquility in a remote getaway, it can also be used with effectiveness on commercial buildings. Of course, woodsy cabins should not be left behind, and metal roofing works very well to provide quality alternatives for homes that are sometimes put under stress by surrounding environment.

MARCO METALS L.L.C.

PREMIUM ROOFING. LEGENDARY SERVICE.

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