



SENTRIGARD
METAL ROOFING SYSTEMS

Revolutionizing contrator-manufactured metal roofing

When commercial metal roofing projects are properly executed, the results are lasting beauty with little maintenance. The wrong choice of roofing material can make the difference between a successful job and tremendous problem. Our extensive product knowledge and industry expertise bring value to every project. We offer a complete line of architectural metals and accessories including Sentrigard Metal Roofing Systems, SentriClad coil and sheet, copper coil and sheet, stainless steel and more.

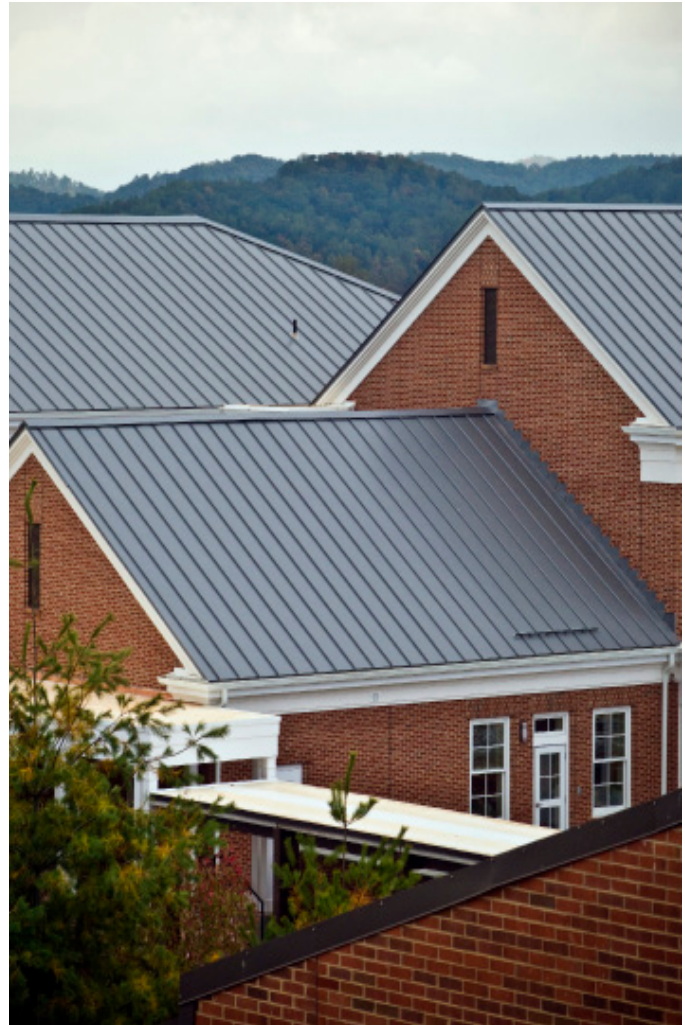
Manufactured on the Schleich Quadro-Plus rollformer, Sentrigard Metal Roofing Systems redefine the standard for site-fabricated metal roofing. The Quadro-Plus gives you the flexibility of on-site fabrication of multiple profiles and the quality of in-plant manufacturing on a single rollforming machine.

From residential to commercial, and from architectural to structural, Sentrigard Metal Roofing Systems meet the challenge for most types of building designs. Sentrigard systems feature panel assemblies that meet the most stringent testing requirements and ensure long-term performance.

Sentrigard Metal Roofing Systems exclusively feature Sentr clad® Architectural Metals. Sentr clad Architectural Metals are offered in numerous standard colors, made from durable alloys of GALVALUME® and aluminum; and, 70% PVDF resin paint system finishes are standard on all material.

Sentrigard Metal Roofing Systems are exclusively distributed through NB Handy Company. NB Handy has been a market leader in architectural sheet metal products and machinery for more than 125 years.

**Better product. Better process.
Better results.**





On-site fabrication: Bringing the solution closer to the job

The ability to take manufacturing to the jobsite has become critical for efficient metal roofing fabrication and installation. Sentrigard Metal Roofing Systems offer the flexibility to produce all panels at your facility—or the jobsite.

Sentrigard Metal Roofing Systems reduce storage and theft concerns while minimizing material handling and delivery. Jobsite rollforming also allows panels of extreme length to be manufactured on-site where shipment of panels is not practical or cost effective.



Best of all, Sentrigard Metal Roofing Systems give you a unique ability to respond to unanticipated needs as even the simplest jobs never go exactly as planned.

Construction demands are tougher and timelines are tighter than ever. The capacity to manufacture panels on site gives you the ability to meet tough construction demands while manufacturing a quality metal roofing system.

Quick change artist: One machine handles a multitude of profiles

The Schlebach Quadro-Plus is a rollforming workhorse with unlimited possibilities. By teaming the Sentrigard Metal Roofing Systems with the Quadro rollforming machine, you can make multiple panel profiles and allow your company to have one machine for all of your installation needs. The Quadro can be used at your shop or transported to the jobsite.

With the durable Quadro-Plus, you can zip through 10 different profiles in minutes, instead of hours. The simplicity of the Quadro-Plus allows you to convert most profiles with a flip of a cassette. The revolutionary Schlebach Quadro-Plus produces perfectly rollformed panels for 1" and 1.5" mechanical lock, snap lock, nail strip, 1.75" snap lock, and 2" structural mechanical lock, plus 1" flush panels.

The Quadro-Plus has the most advanced mobile rollforming technology in the industry and is available with the CINCO

(Computer Integrated Notching and Cutting Operation)

components to make the world's first mobile rollformer with an inline notching and angle cutting system that's fully integrated with advanced roof design software.

The contractor-manufacturer can produce precise machine-cut and angled roof panels directly from site-verified dimensions using Top View 3D roof design software. The data is loaded directly into the CINCO's exclusive control panel and run precisely as designed and adapted to the real roof dimensions, even on the fly for optimal accuracy. All panels may be machine cut for higher part quality and better appearance.



Panel Systems

Sentrigard has an innovative solution for virtually any application suited for the advantages of metal roofing. Our wide range of profiles meet the technical demands of many installations, from a modest home to large commercial or a tricky institutional application.



NS100



1" Nail Strip Panel

- Low-Profile Architectural Standing Seam Metal Roofing System
- Ideal for residential and light commercial applications
- Low profile clipless system for fast, easy installation
- Streamlined look for smaller roofing applications

NS150



1.5" Nail Strip Panel

- Architectural Standing Seam Metal Roofing System
- Ideal for residential and light commercial applications
- The economy and speed of a clipless panel
- Higher profile for added strength on larger jobs
- More prominent seam has the look of a traditional standing seam roof

SL100



1" Snap Lock Panel

- Low-Profile Architectural Standing Seam Metal Roofing System
- Ideal for residential and light commercial applications
- Specially designed clip allows thermal movement
- Tested panel for rated assemblies achieves higher performance levels

SL150



1.5" Snap Lock Panel

- Architectural Standing Seam Metal Roofing System
- Ideal for residential and light commercial applications
- Specially designed clip allows thermal movement
- Tested panel for rated assemblies achieves high performance levels

SL175



1.75" Snap Lock Panel

- Structural Standing Seam Metal Roofing System
- Commercial profile for multiple deck and slope applications
- Combines optimum performance with excellent value
- Specially designed clip allows thermal movement
- Tested panel for rated assemblies achieves higher performance levels

ML100



1" Mechanical Lock Panel

- Classic Low Profile Architectural Standing Seam Metal Roofing System
- Ideal for residential and light commercial applications
- Specially designed clip allows thermal movement
- Tested panel for rated assemblies achieves high performance levels
- Mechanical locked seam for weather tight performance
- Excellent for roofing installation requiring exotic metals such as copper and terne metal

ML150



1.5" Mechanical Lock Panel

- Classic Architectural Standing Seam Metal Roofing System
- Ideal for residential and light commercial applications
- Specially designed clip allows thermal movement
- Tested panel for rated assemblies achieves high performance levels
- Mechanical locked seam for long-term weather tight performance
- Excellent for roofing installation requiring exotic metals such as copper and terne

ML200



2" Mechanical Lock Panel

- Structural Standing Seam Metal Roofing System
- Commercial profile for multiple deck and slope applications
- Combines optimum performance with excellent value
- Specially designed clip allows thermal movement
- Tested panel for rated assemblies achieves high performance levels
- Mechanical locked seam for long-term weather tight performance

FP100



1" Interlocking Flush Panel

- Flush panel system designed for use in soffit, mansard and wall applications
- 15-inch wide flush panel system provides a smooth flat surface to complement to any architectural metal roofing system
- Integrates well with other types of building materials

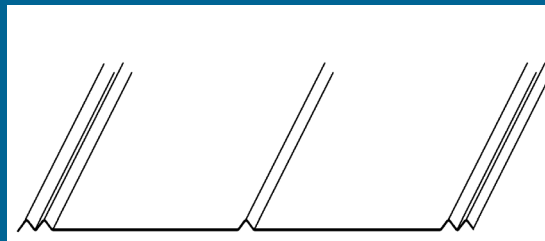
FPR100



1" Flush Panel w/ Reveal

- Flush panel system designed for use in soffit, mansard and wall applications
- A 14-inch flush panel system that yields a 1-inch reveal in the panel profile
- Adds depth, texture, and additional strength to the panel profile

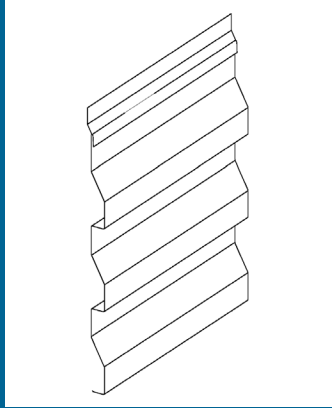
5V



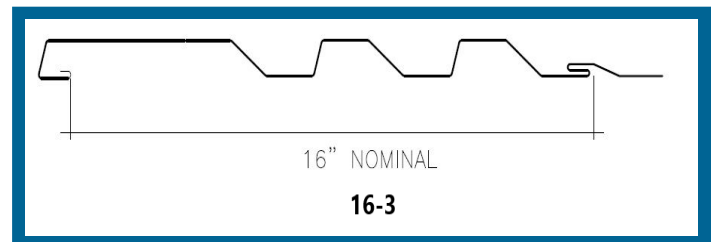
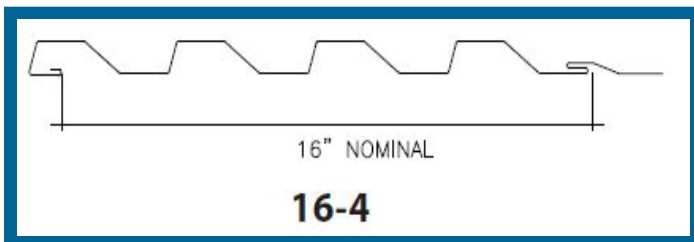
5V Crimp

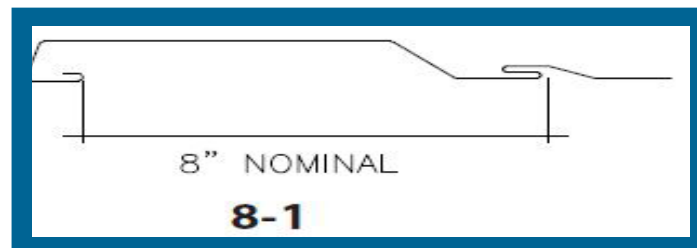
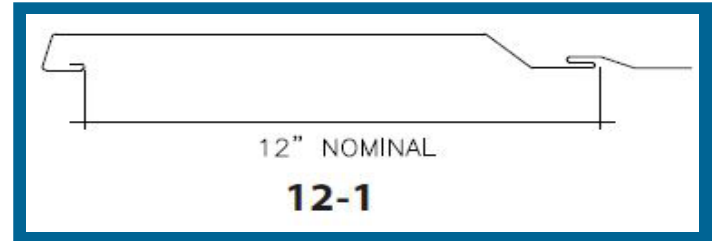
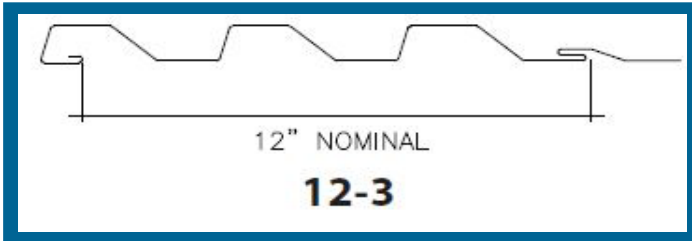
- Economical residential roof panel system and design component
- Blends well with other building materials
- Low-profile allows ease of flashing detail design and installation
- Ideally suited for natural, unpainted metal applications

AWS Wall Panel



- Architectural wall panel system designed for horizontal applications
- Multiple AWS panels can be integrated to create a variegated wall assembly appearance
- Can be installed in a vertical assembly
- Available with mitered corners that allow sweeping wall expanses
- Can be installed with or without clips
- Tested panel assemblies assure system integrity





****CONSULT FOR THE AVAILABILITY OF OTHER PANEL PROFILES AND SYSTEMS****

Other Accessories & Components

Edge Metal and Coping

For the desired finished look, Sentriclad offers flashing, trim and edge metals in a variety of substrates, profiles and finishes. The easy-to-install finishing touches help maintain temperature and create design distinction.

Sentriclad edge metal offering is ANSI SPRI ES-1 tested and approved and includes:

- 4" Face Edge Metal
- 6" Face Edge Metal
- 8" Face Edge Metal
- 16" Coping
- 20" Coping
- 24" Coping

Flashing and Trim

Fabricated flashing and trim components are available for the Sentricgard Roof or Wall Panel Systems.

Sentricgard flashing and trim items complete the wall or roof panel system with crisp, clean lines designed for functionality and architectural purpose. These items can be selected from standard Sentricgard flashing and trim profiles in 24ga Galvalume or .032" and .040" aluminum. Custom flashing profiles and shapes are available upon request along with other substrates and material gauges. Consult your N.B. Handy account manager for information on standard availability, as well as, custom inquiries.

TESTING & WARRANTIES

Tried and true

Sentrigard panel assemblies have been through rigorous testing to ensure optimum performance in a wide range of conditions, including the tough High Velocity Hurricane Zone (HVHZ) performance criteria. The HVHZ certification is composed of two tests, both for wind uplift and air and water infiltration.

Sentrigard Metal Roofing Systems have identified the state of Florida's test protocols as the most proactive and stringent testing requirements for structural and non-structural (architectural) metal roofing systems. Sentrigard Panel Assemblies are tested in accordance with the following Florida Test Application Standards (TAS): TAS 100-95 – Test Procedure for Wind and Wind Driven Rain of Discontinuous Roof Systems; TAS 125-03 – Standard Requirements for Metal Roofing Systems. Panel profiles that have passed both test protocols are by law approved for use in High Velocity Hurricane Zones. Sentrigard Metal Roofing Systems Association is Miami-Dade County Product Control Approved.

You can be confident with Sentrigard systems because of our testing, and we further back our commitment with our exceptional Sentrigard Weather Tight warranty program.

	HVHZ RATED	NON-HVHZ	FLORIDA PRODUCT APPROVAL	MIAMI-DADE COUNTY PRODUCT CONTROL APPROVED	RADIUS CURVING	SOLID SUBSTRATE	OPEN FRAMING	SNAP SEAM	MECHANICAL LOCK SEAM	WEATHER TIGHT WARRANTY	CLIP	CLIPLESS	TAS 100	TAS 125
ML100	✓	✓	✓	✓	✓	✓			✓		✓		✓	✓
ML150	✓	✓	✓	✓	✓	✓			✓	✓	✓		✓	✓
ML200	✓	✓	✓	✓		✓	✓		✓	✓	✓		✓	✓
SL100	✓	✓	✓	✓		✓		✓			✓		✓	✓
SL150	✓	✓	✓	✓		✓		✓		✓	✓		✓	✓
SL175	✓	✓	✓	✓		✓	✓	✓		✓	✓		✓	✓
NS100		✓	✓			✓		✓				✓		✓
NS150	✓	✓	✓	✓		✓		✓				✓	✓	✓
FP100						✓	✓					✓		
FPR100						✓	✓					✓		

Sentriclad Specifications

- Choose from 31 different colors from Sentriclad architectural metals; custom colors are available upon inquiry
- Finish coating is a 70% PVDF Resin Paint System that is applied to the metal substrate on a continuous, reverse roll coat paint line
- Finish is a premium baked-on coating specifically designed to meet the functional and aesthetic requirements of many architectural, industrial, and commercial construction applications
- Metal substrate availability includes GALVALUME (AZ50) steel and 3000 series aluminum
- Primary gauges include 24 ga GALVALUME and 032, 040 aluminum
- Sentriclad finish carries a 30-year limited warranty
- Sentriclad can be incorporated into LEED specified architecture, has earned the ENERGY STAR designation, and is available in "Cool Colors"



STANDARD STOCKED
ARCHITECTURAL COLOR PALETTE










Core Colors

				
Regal White[□] SR: .70 IE: .85 SRI: 85	Bone White[□] SR: .68 IE: .86 SRI: 82	Almond^Δ SR: .63 IE: .86 SRI: 75	Sandstone^Δ SR: .47 IE: .86 SRI: 53	Surrey Beige^Δ SR: .35 IE: .86 SRI: 37
				
Sierra Tan SR: .30 IE: .85 SRI: 30	Medium Bronze SR: .26 IE: .84 SRI: 24	Mansard Brown SR: .29 IE: .86 SRI: 29	Dark Bronze SR: .26 IE: .84 SRI: 25	Extra Dark Bronze~ SR: .05 IE: .89 SRI: -1
				
Patina Green SR: .25 IE: .87 SRI: 24	Hemlock Green SR: .28 IE: .87 SRI: 28	Classic Green SR: .25 IE: .86 SRI: 24	Hartford Green~** SR: .10 IE: .86 SRI: 4	Teal** SR: .28 IE: .87 SRI: 28
				
Slate Blue SR: .27 IE: .86 SRI: 26	Regal Blue** SR: .30 IE: .86 SRI: 30	Terra Cotta SR: .39 IE: .85 SRI: 42	Banner Red** SR: .44 IE: .86 SRI: 49	Colonial Red SR: .31 IE: .87 SRI: 31
				
Brandywine** SR: .27 IE: .87 SRI: 27	Dove Gray SR: .49 IE: .87 SRI: 56	Slate Gray^Δ SR: .37 IE: .86 SRI: 39	Charcoal SR: .08 IE: .90 SRI: 4.0	Matte Black SR: .26 IE: .86 SRI: 25
	<p>++ Featuring a pearlescent mica finish; subject to premium pricing. Colors shown are as close to actual colors as allowed by the printing process. Actual metal samples are available. Colors may appear different when viewed at different angles and under different lighting conditions. Due to product improvements, changes and other factors, we reserve the right to change or delete information herein without prior notice.</p> <div>  <p>~All Standard Stocked colors are ENERGY STAR® approved except Hartford Green, Extra Dark Bronze □ LEED® compliant for low slope and steep slope Δ LEED® compliant for steep slope only PVDF - 70% polyvinylidene flouride resin paint system</p> </div>			
Stone White^Δ SR: .62 IE: .85 SRI: 73				

Mica Color++

				
Bright Silver^Δ S66 SR: .55 IE: .77 SRI: 61	Silversmith^Δ S15 SR: .48 IE: .80 SRI: 52	Champagne S20 SR: .37 IE: .83 SRI: 38	Pewter S11 SR: .36 IE: .85 SRI: 38	Bright Copper^Δ S25 SR: .41 IE: .85 SRI: 44

26 Gauge Low Gloss

				
Sierra Tan SR: .46 IE: .87 SRI: 52	Slate Gray SR: .37 IE: .86 SRI: 39	Medium Bronze SR: .31 IE: .87 SRI: 32	Dark Bronze SR: .28 IE: .86 SRI: 27	Colonial Red SR: .31 IE: .87 SRI: 31
				<p>Acrylic Coated Galvalume also available (not pictured)</p> <p>434-847-2445 www.sentrigard.com</p>
Classic Green SR: .31 IE: .87 SRI: 32	Hartford Green** SR: .31 IE: .87 SRI: 32	Slate Blue SR: .30 IE: .87 SRI: 31	Matte Black SR: .26 IE: .86 SRI: 25	

SR = Solar Reflectivity IE = Initial Emissivity SRI = Solar Reflective Index

** DENOTES EXOTIC COLORS AND ARE SUBJECT TO PREMIUM PRICING



What you need. When you need it. Where you want it.

Ten different profiles, numerous colors, and one revolutionary rollformer that can meet all your metal roofing needs. So where can you get Sentrigard Metal Roofing Systems? The answer is NB Handy Company.

Products are shipped from NB Handy's strategically located distribution centers on special curtain sided delivery trucks. The delivery trucks not only keep products free from the elements, but also give us the flexibility to unload your product in a variety of conditions.

Ultimately, the strength of the product can only be as great as the people who back it. Each one of our distribution centers has a representative to assist you in all your metal roofing needs. Additional architectural metal roofing products like copper, terne, rolled roofing, and roof drainage products are also available. From underlayments, to clips and screws, we can provide you with all of the components needed to install your metal roof.

We offer a myriad of metal fabrication machinery to manufacture your own sheet metal flashing and trim products, as well as other specialty sheet metal fabrication machinery. Additionally, we offer unsurpassed technical support, service, and product innovation.

Sentrigard Metal Roofing Systems are the culmination of a century of engineering, experience, and innovation.

Offered Exclusively through



NB HANDY
THE PREFERRED CHOICE SINCE 1891



SENTRIGARD
METAL ROOFING SYSTEMS

434-847-2445