

About the Company



In **1993**, DCSM was the first manufacture in the state of Florida to fabricate metal eave closure for tile. We have established a reputation in the industry as a leading manufacture and innovator of metal roofing products. We manufacture a full line of metal roofing systems including but not limited to, exposed fastener and concealed fastener systems, as well as radius dome structures, custom design structures, and a variety of metal roofing products.

We work hard to keep our products in compliance with the highest standards. Please check our Website often as we continually add new products to our company's product line.

The owner **Dan Osborne**, is a state certified roofing contractor, licensed state certified roofing consultant, and a high wind mitigation specialist. Since the company's inception, Dan has been a proven innovator while constantly conducting research and development specializing in Architectural designs, Domes, and Radius structures. Our professional staff is highly motivated in improving the roofing industry as well as serving all your metal roofing needs. Email Dan directly at: Dan@dcsml.net.



DAN'S CUSTOM SHEETMETAL

Manufacturer and Distributor



RESIDENTIAL | COMMERCIAL | INDUSTRIAL

All DCSM products and panel systems are in full compliance with all Florida statewide building codes, including **FBC** (Florida building code), **HVHZ** (high velocity hurricane zone), including Miami/ Dade and a **Quality Assurance** program. DCSM panel systems are **Energy Star** approved and comply with the most stringent hurricane testing and engineering available.

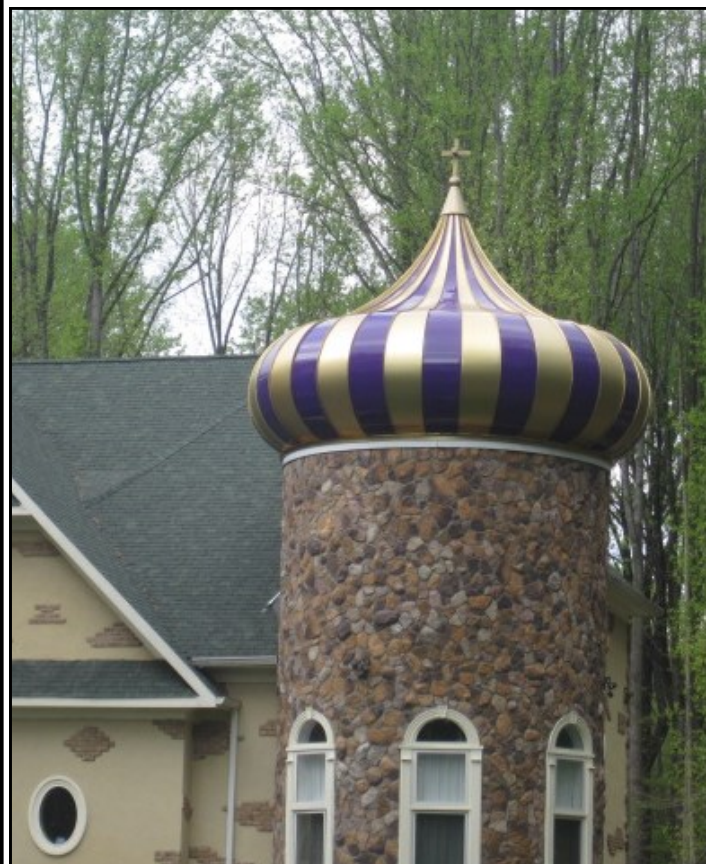
DCSM | 5700 Washington Street • Naples, Florida 34109

DCSM ARCHITECTURAL STANDING SEAM

ROOFS * DOMES * FACADES * MANSARDS * RADIUS DORMERS
CURVED & TAPERED PANELS * AWNINGS * WALLS * TRIMS

FEATURES

- Use for Curved or Unique Structures
- Panels Lay Directly Over Curved Radius
- Factory Precise Fabrication or Field Formed by Experienced D.C.S.M Techs
- Custom: Steeples, Finials and Decorative Accessories



Metal curving techniques have become popular for creating attractive curved roofs, domes, mansards, dormers, awnings, and more. Let us help you with your radius applications. Call today: (239) 594-0530

DCSM Warranty Summaries

Mill Finish Acrylume (26 gauge and 24 gauge)

1. Twenty Five (25) year Limited Warranty against rupture, perforation, or structurally failing due to normal atmospheric conditions.
2. Only applies to roof systems installed in areas of normal atmospheric exposure and does not cover defects caused by:
 - a. Areas subject to saltwater marine atmosphere or regular spray of either salt or fresh water.
 - b. Exposure to corrosive chemicals, fumes, ash, cement dust, or animal waste.
 - c. Areas subject to water runoff from lead or copper flashings or areas in contact with lead or copper.
 - d. Failure to remove shavings and/or debris from the overlaps and all other surfaces of the panels.
 - e. Deterioration of panels caused by contact with green or wet lumber.
 - f. Presence of damp insulation or other corrosive materials in contact with or close proximity to panels.

Siliconized Polyester Paint Finish (Standard Paint System for 26 gauge 5-V Crimp Panels)

1. Forty (40) year Limited Warranty against peeling or flaking.
2. Thirty (30) year Limited Warranty against color change and chalking.
3. Only applies to roof systems installed in areas of normal atmospheric exposure and does not cover defects caused by:
 - a. Areas that have suffered scratching or abrasions or have been damaged by chemical cleaners.
 - b. Has been stored or installed in a way that allows standing water.
 - c. Exposure to corrosive chemicals, fumes, ash, cement dust, or animal waste.
 - d. Any roof panels installed within 1,000 meters (3,250 feet) of either salt water shoreline at mean high tide or other marine environment, unless approved in writing by Paint Manufacturer prior to installation. If installed within 1,000 meters without prior approval from Paint Manufacturer all provisions of the limited warranty will remain in effect EXCEPT for film integrity as long as there is satisfactory written evidence of semi-annual "sweet water" (fresh tap water) rinses.
 - e. Failure to remove shavings and/or debris from the overlaps and all other surfaces of the panels.

Kynar 500 Paint Finish (26 gauge and 24 gauge – If it is a Standing Seam System it HAS to be Kynar)

1. Thirty Five (35) year Limited Warranty against chippings, cracking, peeling, or flaking.
2. Only applies to roof systems installed in areas of normal atmospheric exposure and does not cover defects caused by:
 - a. Fire
 - b. Exposure to corrosive chemicals, fumes, or standing water.
 - c. Failure due to corrosion of substrate, improper installation or uneven or irregular substrates.
 - d. Failure to remove shavings and/or debris from the overlaps and all other surfaces of the panels.
 - e. Failures or defects that are caused as a result of acts of God, war, vandalism, chemical strays, etc.

* Oil canning is not a cause for panel rejection and does not affect the integrity or longevity of the metal roof system

** * * Please note that above information is only a summary of key items for the warranties and does not in any way replace the actual warranties. Please make sure you read the complete warranty for ALL terms and conditions * * **



Dan's Custom Sheet Metal, Inc., 5700 Washington Street, Naples, Florida 34109
Phone (239) 594-0530 * Fax (239) 594-2064 * www.dcsm.net

Custom Awnings



Table of Contents

➤ Architectural - Domes and Radius	PAGE
• Custom Designs • Radius Dormers & Steeples • Custom Architectural Design • Aluminum Frames	4—7
➤ Concealed Fastener Systems (Standing Seam)	
• Snap Lock Standing Seam • 1" Mini Batten Series • Nail Leg Snap Lock • Single and Double Lock Mechanical	8—11
➤ Exposed Fastener Systems	
• R Panel, Structural & Non Structural Roof and Wall Panels • 5-V Crimp	12—13
➤ DCSM—Metal Roof Accessories and Components	
• Metal Roofing Flashing • Ridge Vent	14—15
➤ DCSM—Vents	
• Off Ridge Vents	16
➤ DCSM—Tile Roof Accessories and Components	
• Ridge Anchor • Metal Eve Closure • Tile Components	17—19
➤ DCSM—Chimney Caps and Decorative Shrouds	
• Chimney Caps Decorative and Shrouds	20
➤ DCSM—Custom	
• Custom Railings and Finials • Custom Awnings	21—22
➤ Warranty Summaries	23



Dan's Custom Sheet Metal, Inc., 5700 Washington Street, Naples, Florida 34109
Phone (239) 594-0530 * Fax (239) 594-2064 * www.dcsm.net

Custom Designs



Custom Railings and Finials



Chimney Caps and Decorative Shrouds



Radius Dormers and Steeples



Custom Architectural Design



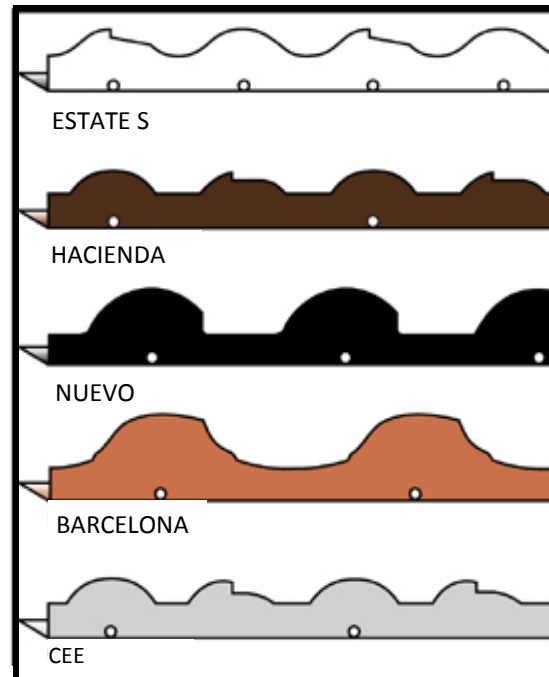
Tile Components



***Galvalume** sheet uses an aluminum (55%) - zinc (45%) alloy coating that offers greater corrosive resistance, higher temperature oxidation resistance, and higher heat reflectivity than standard galvanized steel.

***Kynar 500** is a premium fluorocarbon coating with full strength Kynar 500 resin. This affords maximum exterior durability due to its outstanding resistance to ultraviolet radiation. These are the highest quality finishes available.

Tile Metal Eave Closure



- Fabricated from 26 gauge pre-painted Galvalume* in 10' lengths.
- Colors: White, Brown, Black, Terra Cotta and Mill Finish.
- Other colors also available upon request.
- All metal profiles manufactured with consistent rise and profile for specified roof tile.
- Metal eave closure also available in Aluminum and 16 oz. Copper.

TILE METAL EVE CLOSURE PROFILES AVAILABLE FOR:

Palema, Hacienda, Spanish S, Barcelona, Malibu, Vanguard, Villa, Verona, Santa Fe, Venetian, Cee, T-Riser, Estate S, Regal , Altusa, Flat, Over 40 Types Available.



Why Use Metal Eave Closure?

Cement: When using cement, it tends to block water from under the tile not allowing proper drainage, thus causing water to stand and eventually leaks and/or rots the fascia. Cement is very labor intensive and hard to keep expensive oxides consistent in color.

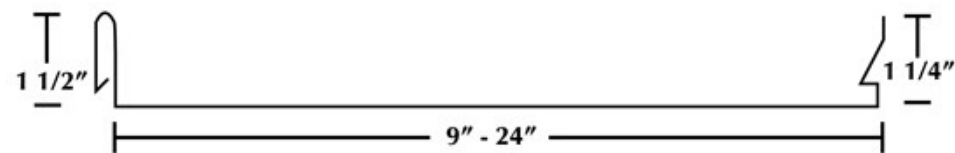
Rubber: Rubber tends to shrink after a period of time, it rots and birds often peck at it, causing holes. Aging rubber fades in color and, like cement, it has poor water drainage. It is difficult to attach to the roof and often falls out causing unnecessary call backs. Rubber is also very expensive.

Metal: Metal is far superior to other closures for many reasons. The cost is less than half the cost of rubber. There is 80% less labor expense than cement. Metal is always consistent in color and allows proper drainage. It keeps the first course of tile straight, and is much faster to install. Cosmetically, metal is superior due to consistency in color and uniformity.

Aluminum Frames



VS-150 Snap-Lock Standing Seam



Application

Architectural, Residential and Commercial Panels.

Coverage

9"-24" panel coverage, with a 1 1/2" seam height.

Minimum Slope

Recommended slope 2/12 or greater.

Substrate

Recommended substrate 1/2" - 5/8" plywood with a minimum 30 lb. underlayment.

Length

Panels are continuous lengths from eave to ridge.

Fastening System

Concealed clip and fastener system. Recommended 2 screws per clip with a maximum clip spacing of 16" o/c.

Fasteners

#10 x 1" flat head screws

Materials

Panels are fabricated from 26 gauge or 24 gauge Galvalume*.

Coatings & Finishes

26 gauge pre-painted Galvalume* panels are available in a variety of colors

24 gauge pre-painted Galvalume* panels are available in variety of colors and coated with a full-strength Kynar 500⁺ finish

Warranty

20, 25, and 35 year manufacturer warranties available.

Approvals & Testing

Florida Building Code and Miami-Dade HVHZ product approvals | TAS 125 (UL-580 uplift resistance test) | TAS 100-95 (wind driven rain test) | Class A Fire Rating (UL-790) | Quality Assurance Program

- Panels with Striations available upon request
- Double and Multi Striated profiles help reduce "oil canning".
- Panels are also available in aluminum and copper.
- All flashings and accessories are fabricated from the same coil stock as the panels.
- Standing Seam orders are all-inclusive: panels, clips, screws, and all flashings are incorporated into one per square price.

***Galvalume** sheet uses an aluminum (55%) - zinc (45%) alloy coating that offers greater corrosive resistance, higher temperature oxidation resistance, and higher heat reflectivity than standard galvanized steel.

***Kynar 500** is a premium fluorocarbon coating with full strength Kynar 500 resin. This affords maximum exterior durability due to its outstanding resistance to ultraviolet radiation. These are the highest quality finishes available.

Ridge Anchor



Application

- RT600 adhesive with screw
- Foam (1 or 2 part) with screw
- Foam or adhesive with no screw

Product Approvals

- FBC product approval #FL-6046
- FBC HVHZ approval # FL-8380
- Quality Assurance Program

Materials

- 26 gauge mill finish *Galvalume in 10' lengths
- Other lengths available upon request
- Available in a variety of colors

Fasteners

- 1 1/2" self-sealing neoprene washer screws spaced 16" o/c.
- Approved ring shank nails spaced 6" o/c., roof cement and membrane

Sizes

- Available in 5 standard sizes of 4", 5", 6", 7" or 8" for various tile profiles.
- See our website for recommended sizes and profiles

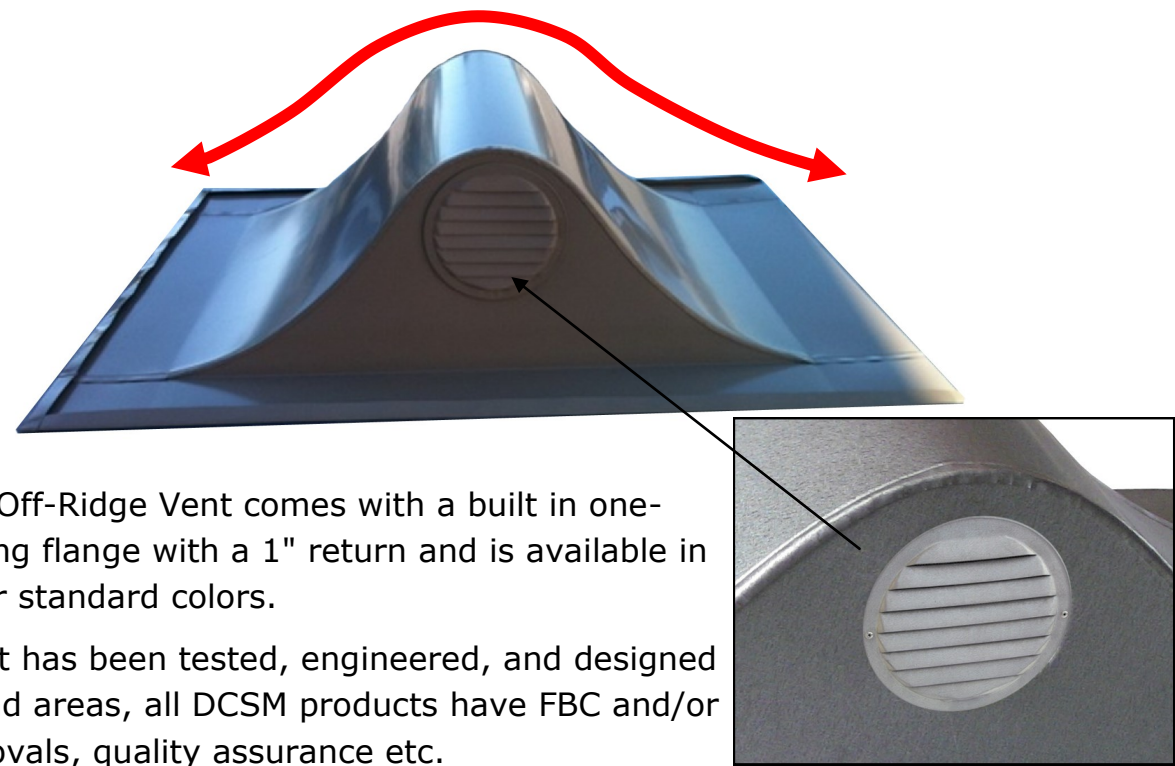
Additional Information

- Designed to divert water.
- Fabricated from Galvalume* for corrosion resistance.
- Beveled top edge to form to standard hip/ridge tile.
- Easier and faster to install than traditional lumber and strapping
- All DCSM products are made from **Galvalume** not galvanized. Galvalume offers far superior corrosion resistance. Contact us for more details or literature.

***Galvalume** sheet uses an aluminum (55%) - zinc (45%) alloy coating that offers greater corrosive resistance, higher temperature oxidation resistance, and higher heat reflectivity than standard galvanized steel.

***Kynar 500** is a premium fluorocarbon coating with full strength Kynar 500 resin. This affords maximum exterior durability due to its outstanding resistance to ultraviolet radiation. These are the highest quality finishes available.

Off Ridge Vent



The **DCSM** Off-Ridge Vent comes with a built in one-piece flashing flange with a 1" return and is available in many of our standard colors.

This product has been tested, engineered, and designed for high wind areas, all DCSM products have FBC and/or HVHZ approvals, quality assurance etc.

For more product information please contact our office.

The DCSM **Off Ridge Vents** come in several different profiles specifically designed for each type of roof system. For example:

- For **Tile** roof applications, the Off Ridge Vent has a 7" flange with a built in 1" return.
- For **5V** applications, has the same 7" flange but with a 3/4" bend down.
- For **Standing Seam** applications, the Off Ridge Vent has a 1" return under for hemming onto a Z-Channel.

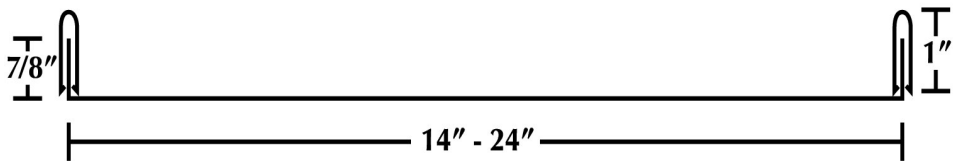
DCSM is committed to making our products more user friendly. Our **Off Ridge Vents** come in 6", 12" and 36" and available in many of our standard colors.

This product has completed all the necessary testing and has a current 2007 Florida Building code product approval (FL110S2)

***Galvalume** sheet uses an aluminum (55%) - zinc (45%) alloy coating that offers greater corrosive resistance, higher temperature oxidation resistance, and higher heat reflectivity than standard galvanized steel.

***Kynar 500** is a premium fluorocarbon coating with full strength Kynar 500 resin. This affords maximum exterior durability due to its outstanding resistance to ultraviolet radiation. These are the highest quality finishes available.

1" Mini Batten Standing Seam



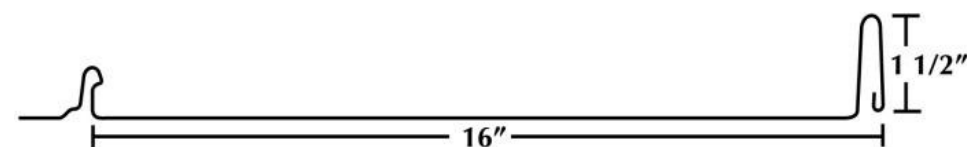
Application
Architectural, Residential, and Commercial Panels.
Radius Application
Panels and battens can be formed for installation on curved substrates, convex or concave.
Coverage
Panels are available in various widths ranging from 14" to 24" with a batten seam height of 1".
Minimum Slope
Recommended slope 2/12 or greater.
Substrate
Recommended substrate 1/2" - 5/8" plywood with a minimum 30 lb. underlayment.
Length
Panels are continuous lengths from eave to ridge.
Fastening System
Concealed clip and fastener system. Recommended 2 screws per clip with a maximum clip spacing of 12" o/c.
Fasteners
#10 x 1" flat head screws
Materials
Panels are fabricated from 24 gauge Galvalume*, .032 Aluminum, 160z Copper.
Coatings & Finishes
24 gauge Galvalume* and .032 Aluminum pre-painted panels are available in a variety of colors and coated with a full-strength Kynar 500+ finish.
Warranty
20, 25, and 35 year manufacturer warranties available.
Approvals & Testing
Class A Fire Rating (UL-790) Florida Product Approval Quality Assurance Program

- All flashings and accessories are fabricated from the same coil stock as the panels.
- Standing Seam orders are all-inclusive: panels, clips, screws, and all flashings are incorporated into one per square price.

***Galvalume** sheet uses an aluminum (55%) - zinc (45%) alloy coating that offers greater corrosive resistance, higher temperature oxidation resistance, and higher heat reflectivity than standard galvanized steel.

***Kynar 500** is a premium fluorocarbon coating with full strength Kynar 500 resin. This affords maximum exterior durability due to its outstanding resistance to ultraviolet radiation. These are the highest quality finishes available.

NL-1500 Snap-Lock Standing Seam



Application

Architectural, Residential and Commercial Panels.

Coverage

16" panel coverage, with a 1 1/2" seam height.

Minimum Slope

Recommended slope 2/12 or greater.

Substrate

Recommended substrate 1/2" - 5/8" plywood with a minimum 30 lb. underlayment.

Length

Panels are continuous lengths from eave to ridge.

Fastening System

Concealed fastener system. Recommended 1 screw spaced 8" o/c.

Fasteners

#10 x 1" flat head screws.

Materials

Panels are fabricated from 24 gauge mill finish or pre-painted Galvalume*.

Coatings & Finishes

24 gauge pre-painted Galvalume* panels are available in a variety of colors and coated with a full-strength Kynar 500+ finish.

Warranty

30 year manufacturer warranty.

Approvals & Testing

Florida product approval | Class A Fire Rating (UL-790) | Quality Assurance Program

- Panels are also available in 26 gauge Galvalume, Aluminum, and 16 oz. Copper.
- All flashings and accessories are fabricated from the same coil stock as the panels.
- Standing seam orders are all inclusive: panels, clips, screws, and all flashings are incorporated into one per square price.

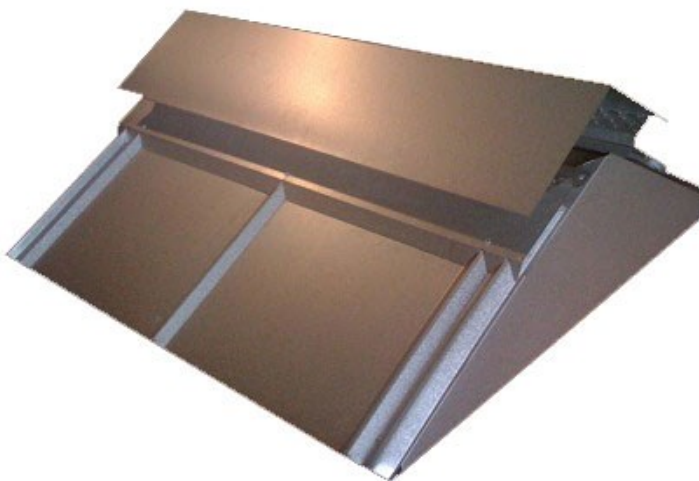
***Galvalume** sheet uses an aluminum (55%) - zinc (45%) alloy coating that offers greater corrosive resistance, higher temperature oxidation resistance, and higher heat reflectivity than standard galvanized steel.

***Kynar 500** is a premium fluorocarbon coating with full strength Kynar 500 resin. This affords maximum exterior durability due to its outstanding resistance to ultraviolet radiation. These are the highest quality finishes available.

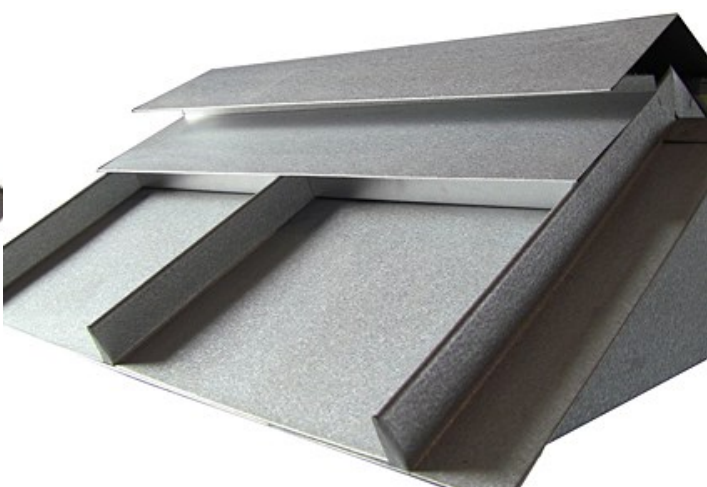
DCSM Continuous Ridge Vent

DCSM now offers continuous ridge vent for all of our metal roof systems, giving the customer a new alternative to the "off ridge" style vents, and in matching color with their roof system.

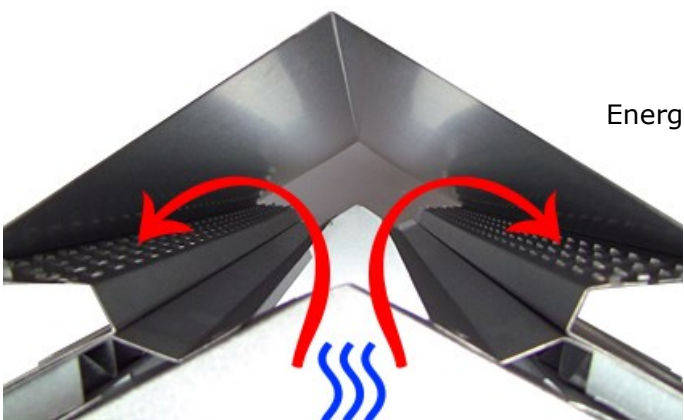
Continuous ridge vents are used for attic ventilation and specifically designed for metal roofing systems. On a slope roof an opening is cut out along the ridge line where both slopes meet to allow hot air to escape from the attic space as hot air rises to the highest point.



5V Crimp Profile



Standing Seam Profile



Ventilation System

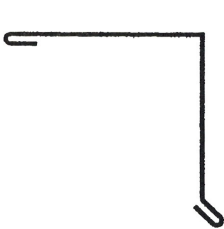
Both ridge vent styles are vented to allow heat to escape from the attic saving on electric bills.

- Available in multiple colors
- Full-strength **Kynar*** 500 finish
- 24 or 26 gauge **Galvalume***
- Also available in aluminum, 16oz copper, metallic finish, or acrylic coated Galvalume
- 25, 30 & 35 year paint warranties

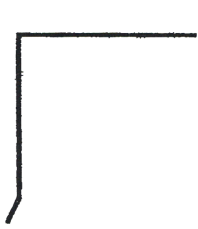
***Galvalume** sheet uses an aluminum (55%) - zinc (45%) alloy coating that offers greater corrosive resistance, higher temperature oxidation resistance, and higher heat reflectivity than standard galvanized steel.

***Kynar 500** is a premium fluorocarbon coating with full strength Kynar 500 resin. This affords maximum exterior durability due to its outstanding resistance to ultraviolet radiation. These are the highest quality finishes available.

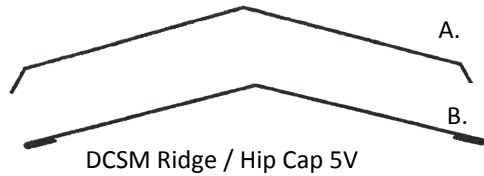
Metal Roofing Flashings



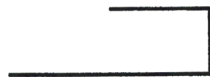
Gable Flashing S.S



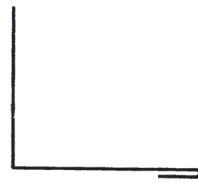
Eave/Gable Cleat S.S



DCSM Ridge / Hip Cap 5V



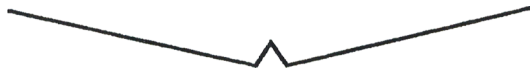
C Channel S.S



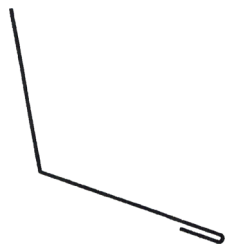
Side Wall Flashing S.S



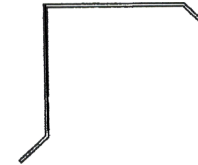
Ridge / Hip S.S



DCSM Valley 5V



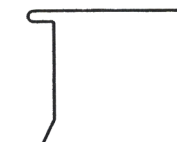
Head Wall Flashing S.S



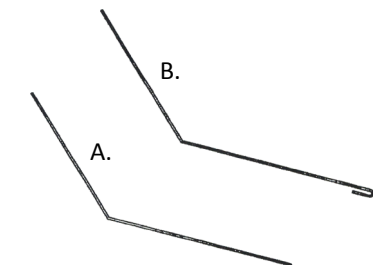
DCSM Gable Flashing 5V



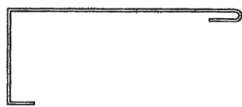
Valley S.S



DCSM Drip Edge S.S & 5V



DCSM Pitch Change Flashing Transition 5V



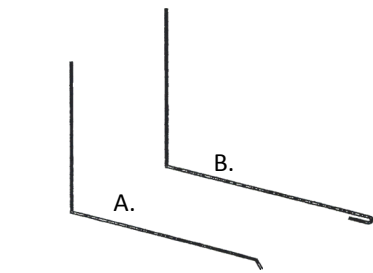
Gable Trim S.S



DCSM Gable Trim 5V



DCSM Counter Flashing / Stucco Stop 5V & S.S.



DCSM Head Wall Flashing 5V

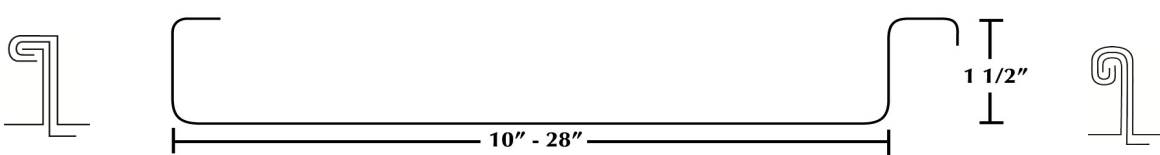


DCSM Side Wall Flashing 5V

***Galvalume** sheet uses an aluminum (55%) - zinc (45%) alloy coating that offers greater corrosive resistance, higher temperature oxidation resistance, and higher heat reflectivity than standard galvanized steel.

***Kynar 500** is a premium fluorocarbon coating with full strength Kynar 500 resin. This affords maximum exterior durability due to its outstanding resistance to ultraviolet radiation. These are the highest quality finishes available.

MP-15 Mechanical Lock Standing Seam



Application

Architectural, Residential and Commercial Panels.

Radius Application

Panels can be formed for installation on curved substrates.

Coverage

10"-28" panel coverage with a 1 1/2" seam height. Also available in 1" seam height.

Minimum Slope

Recommended slope 2/12 or greater.

Substrate

Recommended substrate 1/2" - 5/8" plywood with a minimum 30 lb. underlayment.

Length

Panels are continuous lengths from eave to ridge.

Fastening System

Concealed fastener system. Recommended 2 screws per clip spaced 16" o/c.

Vertical Seam

1" mechanical lock, double or single.

Fasteners

#10 x 1" flat head screws.

Materials

Panels are fabricated from 24 gauge mill finish or pre-painted Galvalume*.

Coatings & Finishes

24 gauge pre-painted Galvalume* panels are available in a variety of colors and coated with a full-strength Kynar 500+ finish.

Warranty

35 year manufacturer warranty on 24 gauge pre-painted Galvalume* panels.

Approvals & Testing

Florida product approval | Class A Fire Rating (UL-790) | Quality Assurance Program

- Panels are also available in Aluminum and 16 oz. Copper.
- All flashings and accessories are fabricated from the same coil stock as the panels.
- Standing seam orders are all inclusive: panels, clips, screws, and all flashings are incorporated into one per square price.

***Galvalume** sheet uses an aluminum (55%) - zinc (45%) alloy coating that offers greater corrosive resistance, higher temperature oxidation resistance, and higher heat reflectivity than standard galvanized steel.

***Kynar 500** is a premium fluorocarbon coating with full strength Kynar 500 resin. This affords maximum exterior durability due to its outstanding resistance to ultraviolet radiation. These are the highest quality finishes available.

R-Panel



Application

Residential, Commercial, Industrial, and Agricultural panels. Used for roof and wall applications.

Coverage

36” panel coverage, with a 1-1/4” seam height.

Minimum Slope

Recommended slope 2/12 or greater.

Substrate

Non-Structural: 1/2”-5/8” plywood with a minimum 30 lb. underlayment.

Structural: Minimum 16 gauge steel purlin / girt

Length

Panels are continuous lengths from eave to ridge.

Fastening System

Exposed fastening system. Recommended that panels are fastened to substrate according to manufacturer specifications.

Non-Structural (maximum): Field 16” o/c / Eaves 6” o/c / Gable ends 8” o/c.

Structural (maximum): Row spacing 60” o/c / Side laps 12” o/c.

Fasteners

Self-sealing neoprene washer screws (refer to manufacturers specifications).

Materials

Panels are fabricated from 26 gauge or 24 gauge Galvalume*. Also available in aluminum and copper.

Coatings & Finishes

26 gauge pre-painted Galvalume* panels are available in a variety of colors

24 gauge pre-painted Galvalume* panels are available in a variety of colors and coated with a full-strength Kynar 500+ finish.

Warranty

25 and 35 year manufacturer warranties available.

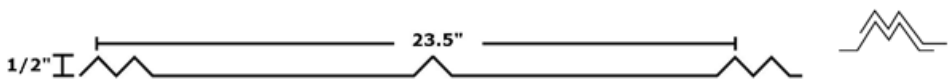
Approvals & Testing

Florida Building Code and Miami-Dade HVHZ product approvals | TAS 125 (UL-580 uplift resistance test) | TAS 100-95 (wind driven rain test) | Class A Fire Rating (UL-790) | Quality Assurance Program | ASTM E 1592-01

***Galvalume** sheet uses an aluminum (55%) - zinc (45%) alloy coating that offers greater corrosive resistance, higher temperature oxidation resistance, and higher heat reflectivity than standard galvanized steel.

***Kynar 500** is a premium fluorocarbon coating with full strength Kynar 500 resin. This affords maximum exterior durability due to its outstanding resistance to ultraviolet radiation. These are the highest quality finishes available.

5V Crimp



Application

Architectural, Residential, Commercial, and Industrial Panels.

Coverage

23.5" panel coverage, with a 1/2" seam height.

Minimum Slope

Recommended slope 2/12 or greater.

Substrate

Recommended substrate 1/2" - 5/8” plywood with a minimum 30 lb. underlayment.

Length

Panels are continuous lengths from eave to ridge.

Fastening System

Exposed fastening system. Recommended that panels are fastened to substrate at center rib and inside rib of side lap, with a maximum spacing of 16" o/c .

Fasteners

1 1/2" self-sealing neoprene washer screws.

Materials

Panels are fabricated from 26 gauge or 24 gauge Galvalume*.

Coatings & Finishes

26 gauge pre-painted Galvalume* panels are available in a variety of colors

24 gauge pre-painted Galvalume* panels are available in a variety of colors and coated with a full-strength Kynar 500+ finish.

Warranty

25 and 35 year manufacturer warranties available.

Approvals & Testing

Florida Building Code and Miami-Dade HVHZ product approvals | TAS 125 (UL-580 uplift resistance test) | TAS 100-95 (wind driven rain test) | Class A Fire Rating (UL-790) | Quality Assurance Program

- Panels are also available in Aluminum and 16oz Copper.
- All flashings and accessories are fabricated from the same coil stock as the panels.
- 5V orders are all inclusive by request; panels, clips, screws, and all flashings are incorporated into one per square price.

***Galvalume** sheet uses an aluminum (55%) - zinc (45%) alloy coating that offers greater corrosive resistance, higher temperature oxidation resistance, and higher heat reflectivity than standard galvanized steel.

***Kynar 500** is a premium fluorocarbon coating with full strength Kynar 500 resin. This affords maximum exterior durability due to its outstanding resistance to ultraviolet radiation. These are the highest quality finishes available.