Harriet Tubman Underground Railroad Visitor Center
Dorchester County, MD
GWWO Architects
East Coast Exteriors

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We care about the success of each and every project.

Since 1988 Dimensional Metals, Inc. (DMI) has specialized in the manufacturing of architectural metal roof and wall panel systems as well as fabricated architectural sheet metal for the construction industry. We are backed by more than 30 years of sheet metal fabrication experience which helps us ensure the success of each project.

The determining factors in the success of any architectural sheet metal system are a combination of proper design, engineering, fabrication, and installation. Unique to our organization is an expert level of product and application knowledge. This provides understanding and direction to design professionals and end-users of our systems.

With our primary focus on the highest quality, customer satisfaction, value, and individual project success, our team:

- Ensures shorter lead times than industry standards
- Utilizes SMACNA-based, time-tested and industry-proven architectural details
- Designs with UL-90 classified roof deck assemblies and ASTM air, water, and structural tested systems
- Manufactures with steel coils that are made-in-the-USA and only painted with KYNAR® PVDF finishes
- Utilizes the most technologically advanced in-house CNC operated manufacturing equipment available today
- Capitalizes on our knowledgeable personnel who are qualified to solve even the most challenging design requirements
- Boasts a full-service engineering department, generating professional quality shop drawings, engineered uplift calculations, and company employed field inspection services as required
- Gives building owners and design professionals confidence that they are receiving the best quality with our Total System Warranties, which are considered the most in-depth warranties available in the industry
Our selection of Concealed and Exposed Fastener Wall Panels deliver the clean lines and contemporary aesthetics that you desire while meeting your engineering and design needs.

DMI TOTAL SYSTEM WARRANTIES

DMI is one of the only manufacturers to offer watertightness warranties for our wall panels and wall tiles. Our Wall Warranties are backed-up by our full-service Engineering Department, generating project specific shop drawings. Quality control is monitored by a minimum of two on-site inspections by our Field Technical Inspectors. DMI Wall Warranties give building owners and design professionals confidence that they are receiving the highest quality and most complete warranty available in the industry.
FLUSH SYSTEMS

Materials: 24 ga., 22 ga., 20 ga. Steel
.032, .040, .050 Aluminum
24 ga. (.7mm), 22 ga. (.8mm) RHEINZINK®
16 oz., 20 oz. Copper

Panel Coverage: 8", 11" and 12"
(custom widths are available)

Panel Depth: 1" and 1-1/2"

Panel Lengths Offered: 4'-0" up to 20'-0"

Performance Tested
ASTM E331 Water Penetration
ASTM E283 Air Leakage
ASTM E1592 Uniform Static Air Pressure

WEFALD RESIDENCE HALL AT KSU
Manhattan, KS
Treanor Architects
Missouri Builders Service

METAL ENVELOPE SYSTEMS SINCE 1988

www.dmimetals.com  Page 5
16" HORIZONTAL WALL PANEL

.032, .040, .050 Aluminum
24 ga. (.7mm), 22 ga. (.8mm), 20 ga. (1.0mm) RHEINZINK®
16 oz., 20 oz. Copper

Panel Coverage: 16"
Panel Depth: 7/8"
Minimum Panel Length: 4'-0"

Performance Tested
ASTM E331 Water Penetration
ASTM E283 Air Leakage
ASTM E1592 Uniform Static Air Pressure

SHOALLY CREEK ELEMENTARY
Boiling Springs, SC
Jumper Carter Sease Architects
Achelpohl Roofing and Sheet Metal
12" HORIZONTAL WALL PANEL

Materials:
- 24 ga., 22 ga., 20 ga. Steel .032, .040, .050 Aluminum
- 24 ga. (.7mm), 22 ga. (.8mm), 20 ga. (1.0mm) RHEINZINK®
- 16 oz., 20 oz. Copper

Panel Coverage: 12"
Panel Depth: 7/8"
Minimum Panel Length: 4'-0"

Performance Tested
- ASTM E331 Water Penetration
- ASTM E283 Air Leakage
- ASTM E1592 Uniform Static Air Pressure
**7.2 PANEL**

*Materials:* 24 ga., 22 ga., 20 ga., 18 ga. Steel  
.032, .040, .050 Aluminum  

*Panel Coverage:* 36”  
*Panel Depth:* 1-1/2”  
*Minimum Panel Length:* 1’-0”

Performance Tested  
ASTM E331 Water Penetration  
ASTM E283 Air Leakage

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**R PANEL**

*Materials:* 24 ga., 22 ga. Steel  
.032 Aluminum  

*Panel Coverage:* 36”  
*Panel Depth:* 1-1/4”  
*Minimum Panel Length:* 1’-0”

Performance Tested  
ASTM E331 Water Penetration  
ASTM E283 Air Leakage
FLAT-LOCK PANEL AND MITERS

Materials:
- 24 ga., 22 ga. Steel
- .032, .040 Aluminum
- 24 ga (.7mm), 22 ga (.8mm), & 20 ga (1mm) RHEINZINK®
- 16, 20 oz. Copper

Panel Coverage: Varies by design

Available for:
- Horizontal Wall Panel
- 7.2 Panel
- DynaClad® EDGE

WPFL

WP72-MC

HWPA16-MC

HWPC12-MC
Our extensive selection of Structural and Architectural roof panels feature superior performance testing and complete engineering and design capabilities.

DMI total system warranties protect all aspects of your metal envelope system, whether that be the watertightness of the roof or siding, the Galvalume® steel, or the durable PVDF KYNAR® finish. When looking at warranties for your system, it is important to note that not all warranties are created equal. DMI warranties ensure the watertightness of all flashing conditions, trims, curbs, valleys, and penetrations. Building owners are protected with a total system warranty - “from the deck up” when using DMI insulation, fasteners, and underlayment. Our warranties are backed-up by a full-service Engineering Department, generating project specific shop drawings. Quality control is monitored by a minimum of two on-site inspections by our Field Technical Inspectors. DMI Total System Warranties give building owners and design professionals confidence that they are receiving the highest quality and most complete warranty available in the industry.
2-1/2" SPAN-LOCK

Materials: 24 ga., 22 ga. Steel, .032, .040 Aluminum
Panel Coverage: 12" and 16"
Leg Height: 2-1/2"
Minimum Panel Length: 4'-0"

Performance Tested
UL-580 Wind Uplift
ASTM E1592 Uniform Static Air Pressure
ASTM E1646 Water Penetration
ASTM E1680 Air Leakage

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2" SPAN-LOCK

Materials: 24 ga., 22 ga. Steel, 16 oz., 20 oz. Copper
Panel Coverage: 12", 16", and 17.625"
Leg Height: 2"
Minimum Panel Length: 4'-0"

Performance Tested
UL-580 Wind Uplift
UL-2218 Impact Resistance
ASTM E1592 Uniform Static Air Pressure
ASTM E1646 Water Penetration
ASTM E1680 Air Leakage
ASTM E2140 Static Water Penetration
**STRUCTURAL ROOF PANEL**

### 2-1/2" DOUBLE-LOCK

**Materials:** 24 ga., 22 ga. Steel, 0.032, 0.040 Aluminum

**Panel Coverage:** 12" and 16"

**Leg Height:** 2-1/2"

**Minimum Panel Length:** 4'-0"

**Performance Tested**
- UL-580 Wind Uplift
- ASTM E1592 Uniform Static Air Pressure
- ASTM E1646 Water Penetration
- ASTM E1680 Air Leakage

### 2" DOUBLE-LOCK

**Materials:** 24 ga., 22 ga. Steel, 0.032, 0.040 Aluminum, 24 ga (.7mm), 22 ga (.8mm) RHEINZINK®, 16 oz., and 20 oz. Copper

**Panel Coverage:** 12", 16" and 18" (Steel and Aluminum)
- 12 and 17.65" (Copper), 14" (RHEINZINK®)

**Leg Height:** 2"

**Minimum Panel Length:** 4'-0"

Can be curved down to a 20' radius (CR-DL20)

**Performance Tested**
- UL-580 Wind Uplift
- ASTM E1592 Uniform Static Air Pressure
- ASTM E1646 Water Penetration
- ASTM E1680 Air Leakage

### 1-1/2" DOUBLE-LOCK

**Materials:** 24 ga. Steel, 0.032 Aluminum, 24 ga (.7mm), 22 ga (.8mm) RHEINZINK®, 16 oz., and 20 oz. Copper

**Panel Coverage:** 12", 17" and 20" (Steel and Aluminum)
- 14", 16" and 20" (Copper), 15.75" (RHEINZINK®)

**Leg Height:** 1-1/2"

**Minimum Panel Length:** 4'-0"

Can be curved down to a 12' radius (CR-DL15)

**Performance Tested**
- UL-580 Wind Uplift
- ASTM E1592 Uniform Static Air Pressure
- ASTM E1646 Water Penetration
- ASTM E1680 Air Leakage
### 2-1/2" TEE-LOCK

- **Materials:** 24 ga., 22 ga. Steel, .032, .040 Aluminum
- **Panel Coverage:** 12", 16" and 17 5/8"
- **Leg Height:** 2-1/2"
- **Minimum Panel Length:** 4'-0"
- Can be curved down to a 90’ radius (CR-TL25)

**Performance Tested**

- UL-580 Wind Uplift
- ASTM E1592 Uniform Static Air Pressure
- ASTM E1646 Water Penetration
- ASTM E1680 Air Leakage
- ASTM E2140 Static Water Penetration
- ASTM E1996 Impact Resistance & Cyclic Pressure

![Diagram of 2-1/2" TEE-LOCK](image1.png)

### 1-3/4" INTER-LOCK

- **Materials:** 24 ga., 22 ga. Steel, .032, .040 Aluminum, 16, 20 oz. Copper
- **Panel Coverage:** 12", 16" and 18" (Steel and Aluminum), 12" and 18" (Copper)
- **Leg Height:** 1-3/4"
- **Minimum Panel Length:** 4'-0"

**Performance Tested**

- UL-580 Wind Uplift
- ASTM E1592 Uniform Static Air Pressure
- ASTM E331 Water Penetration
- ASTM E283 Air Leakage

![Diagram of 1-3/4" INTER-LOCK](image2.png)
1-1/2" SNAP-ON-SEAM

Materials: 24 ga., 22 ga. Steel
.032, .040 Aluminum
16, 20 oz. Copper
(seam caps available in 24 ga., .032 and copper only)

Panel Coverage: 12", 16" and 18"

Leg Height: 1-1/2"

Minimum Panel Length: 4'-0"
Can be curved down to a 70' radius (CR-SS15)

Performance Tested
UL-580 Wind Uplift
ASTM E331 Water Penetration
ASTM E283 Air Leakage

1" SNAP-ON-SEAM

Materials: 24 ga., 22 ga. Steel
.032, .040 Aluminum
16, 20 oz. Copper
(seam caps available in 24 ga., .032 and copper only)

Panel Coverage: 11-5/8", 16" and 18"

Leg Height: 1"

Minimum Panel Length: 4'-0"
(CR-SS10) Can be curved down to:
3' radius (24 ga. Steel)
8' radius (22 ga. Steel)
2'-6" radius (.032 Aluminum)
2' radius (Copper)

Performance Tested
UL-580 Wind Uplift
ASTM E331 Water Penetration
ASTM E283 Air Leakage
ARCHITECTURAL ROOF PANEL

1-1/2" BATTEN-SEAM
Materials: 24 ga., 22 ga. Steel, .032, .040 Aluminum, and 16, 20 oz. Copper
(seam caps available in 24 ga., .032 and copper only)
Panel Coverage: 12", 16" and 18"
Leg Height: 1-1/2"
Minimum Panel Length: 4'-0"
Note: Watertightness Warranty is not available for this profile.

1-1/2" NAIL-STRIP
Materials: 24 ga. Steel and .032 Aluminum
Panel Coverage: 10-5/8" and 18"
Leg Height: 1-1/2"
Minimum Panel Length: 4'-0"
Note: Watertightness Warranty is not available for this profile.

1" NAIL-STRIP
Materials: 24 ga. Steel and .032 Aluminum
Panel Coverage: 11-5/8" and 18"
Leg Height: 1"
Minimum Panel Length: 4'-0"
Note: Watertightness Warranty is not available for this profile.
SPECIAL APPLICATIONS

CURVED RADIUS

PANEL PROFILES OFFERED:
- Snap-On-Seam (CR-SS10 & CR-SS15)
- Double-Lock (CR-DL15 & CR-DL20)
- Tee-Lock (CR-TL25)

CURVED RADIUS

PANEL PROFILES OFFERED:
- Tee-Lock (TL25)
- Span-Lock (SL25 & SL20)
- Inter-Lock (IL20)
- Double-Lock (DL15, DL20, & DL25)
- Snap-On-Seam (SSI0 & SSI5)
- Batten-Seam (BSI5)

TAPERED SEAM

PANEL PROFILES OFFERED:
- Tee-Lock (TL25)
- Span-Lock (SL25 & SL20)
- Inter-Lock (IL20)
- Double-Lock (DL15, DL20, & DL25)
- Snap-On-Seam (SSI0 & SSI5)
- Batten-Seam (BSI5)
**Materials:**
- 24 ga., 22 ga. Steel (.032, .040 Aluminum)
- 24 ga (.7mm) and 22 ga (.8mm) RHEINZINK®
- 16, 20 oz. Copper

(seam caps available in 24 ga., .032 and copper only)

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**SPECIAL APPLICATIONS & STIFFENERS**

**DOME & COMPOUND CURVE**

**Materials:**
- 24 ga., 22 ga. Steel (.032, .040 Aluminum)
- 24 ga (.7mm) and 22 ga (.8mm) RHEINZINK®
- 16, 20 oz. Copper

(seam caps available in 24 ga., .032 and copper only)

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**HIGH BEAD**

**LOW BEAD**

**STRIATIONS**

**EMBOSSED**

**SMOOTH**

Oil canning is an inherent factor of light gauge, cold-formed metal products. DMI takes several steps to minimize this:

- We purchase our coils directly from the mill and only purchase tension leveled coil.
- We offer choices of heavier gauge substrates, panel stiffening options, embossed finished coil, and narrow panel widths.
- We use state-of-the-art fixed base roll-forming equipment and have decades of experience in the proper handling, slitting, and forming of architectural sheet metal.
Our selection of Soffit panels provide a sturdy complement to any roof system and are offered with and without ventilation.
**V-GROOVE SOFFIT**

**Materials:** 24 ga. Steel
.032 Aluminum

**Panel Coverage:** 12”
**Panel Depth:** 3/8”

**Panel Lengths Offered:** 6” up to 20’-0”
7.5% free air permeation with perforations (.032 aluminum only)

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**FLUSH-PANEL SOFFIT**

**Materials:** 24 ga., 22 ga., 20 ga. Steel
.032, .040 Aluminum
24 ga (.7mm) and 22 ga (.8mm) RHEINZINK®
16, 20 oz. Copper

**Panel Coverage:** 8” and 12”
**Panel Depth:** 1”

**Panel Lengths Offered:** 4’-0” up to 20’-0”
7.5% free air permeation with perforations (aluminum only)

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**Performance Tested**

- ASTM E331 Water Penetration
- ASTM E283 Air Leakage
- ASTM E1592 Static Air Pressure

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**SHOWN PERFORATED**

12”

**SHOWN SMOOTH**

8”, 12”
Designed with the Roofing Contractor & Sheet Metal Installer in mind, DynaClad® Edge Metal Systems combine highly engineered/tested products with fast-turn convenience and economical pricing.

**ES-1 EDGE METALS**

**Standard Materials:**
- 24 ga., 22 ga. Steel
- .040, .050 Aluminum
- 16 oz, 20 oz Copper

Other materials are available. Contact DMI for verification of ES-1 Testing for your project.
WATER CONTROL

CONTINUOUS GUTTER

Materials: 24 ga., 22 ga., 20 ga. Steel
.032, .040 Aluminum
20 oz. Copper

Gutter Sizes: 7” (CG70)
7-1/2” (CG75)
8” (CG80)

Lengths offered: 2'-0” up to 53'-0”

Note: Offered with a straight back or gutter flange.

CUSTOM AND CURVED GUTTER

Gutter Materials: 24 ga., 22 ga., 20 ga. Steel
.032, .040, .050 Aluminum
16, 20 oz. Copper

Note: Contact DMI about your Custom Gutter needs.

KROGER’S FUEL DEPOT
Westfield, IN
Galloway and Company, Inc.
CMS Roofing, Inc.
RHEINZINK® is the world’s leading manufacturer of architectural-grade titanium zinc products for standing seam roofing, wall panels, wall tiles, and roof drainage systems. For over 50 years, RHEINZINK® has been producing this very popular, modern material that offers a wide scope for design and is a material that can be recycled infinitely without the loss of its chemical or physical properties. RHEINZINK® provides extreme longevity and an elegant appearance, making it an ideal cladding material.
ACCESSORIES

Fasteners, Foam Closures, Pipe Boots, Snow Retention, Sealants, Underlayments, and more!

Go to dmimetals.com to find the DMI approved accessories to complete your Total System Warranty and give you coverage from the deck up.

UNDERLAYMENT

DynaClad® Ultra HT
Wind & Water Seal™

DynaClad® AP
Synthetic Roofing Underlayment

INSULATION

H-SHIELD

H-SHIELD CG

H-SHIELD NB

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