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### Nearly 20 years ago,

the Dri-Design Metal Wall Panel began its existence, humbly, in the back of a small shop, being manufactured by hand.

Dri-Design was not created by a large panel manufacturer as a way to grab more market share, but rather by a single small business as a way to address significant shortfalls we saw in the metal panel systems we had been using for decades. A system invented from research and development based on real life experience of over 30 years, selling and installing many other systems. Our timeline also provided a history long enough to watch and see how the existing systems aged and performed, long term. During that time, experiences with other panel systems included delamination, staining due to the effects of weather on joint sealants and gaskets, rising costs of production, inefficient installation practices, and a general lack of color, texture and design options.

There had to be a better way...

So, with new ideals in mind, we began developing Dri-Design in the mid-90s. We were folding metal in our shop, origami style, to try and create a system that would not be burdened with the same flaws of previous metal panels. We were working to combine beautifully simple design with new objectives about the way a system could perform, both at the time of installation and for decades later.



Cover

Aloft/Element Hotel – Austin, TX HKS, Inc.

Every Dri-Design panel is carefully manufactured - created without ACM, MCM, or any composite materials.

Each Dri-Design product is a single-skin, non-combustible metal panel. NFPA 285 compliant.

The result of our meticulous engineering was a type of metal wall panel system that had not existed previously. It was, and is, a 100% recyclable, pressure equalized rain-screen, architectural metal wall system that attaches to nearly any substrate without the use of clips or extrusions. It is not laminated, nor a composite material, so panels will never delaminate. It doesn't require joint sealants, gaskets, or butyl tape, and therefore eliminates the staining and maintenance associated with them. It is manufactured efficiently and installs faster than any comparable product, saving time and money. Additionally, Dri-Design's patented design has passed the most stringent air, water and structural testing requirements in the industry, including the AAMA 508-07 test for pressure equalized rain-screens, as well as Miami-Dade County hurricane testing. And, as a non-combustible panel, it has been tested as a part of several NFPA-285 compliant assemblies."

All of this in a system that provides nearly endless design possibilities, with an unlimited palate of colors, finishes, materials, textures, and custom perforations, including imaging.

Please enjoy the following examples of Dri-Design projects.

Dri-Design hits the mark where both form and function meet.

Ryerson University Student Learning Centre

Toronto, ON, Canada Zeidler Partnership Architects At Dri-Design, we strive to continually improve our sustainability practices and products through innovation. We are dedicated to developing sustainable products while looking at all aspects of our environmental impact.

## Dri-Design environmental footprint

### MADE LOCAL

Dri-Design purchases aluminum from domestic mills, which saves transportation costs and energy.

### **NO SILICONE SEALANTS**

Dri-Design uses no joint sealants or gaskets, which are made with petroleum, saving fossil fuels and future maintenance costs.

### **RECYCLED AND RECYCLABLE**

Dri-Design wall panels are made with recycled metal, are 100% recyclable and can be repurposed.

### **EFFICIENT MANUFACTURING**

Dri-Design panels are made quickly with highly automated equipment...saving energy costs.

### **QUICK INSTALL**

Dri-Design wall panels install fast, which helps save energy as well.

### **NO VOCs**

Our paint providers are environmentally-conscious finishers. They use a 100% air capture system and destroy the VOCs with a regenerative thermal oxidizer, so there is no adverse environmental impact.





Available in any color, with the ability to match colors of your choice without expensive up charges - Dri-Design Painted Aluminum Panels offer the ultimate design flexibility for exterior and interior applications. Panels are painted using industry leading Fluoropolymer based paints for long lasting finish durability, while our finishers use a 100% air capture system to destroy the VOCs produced, so there is no adverse environmental impact.

### **Technical Information**

System Depth -  $1\frac{1}{4}$ " nominal

Material - Aluminum

**Material Thickness** - .080" standard (other gauges available)

**Panel Joints** -  $\frac{1}{2}$ " nominal standard (1/8" – 1" available)

**Finish** - Fluoropolymer, unlimited color palette

Finish Warranty - 20 year standard

**Weight** - Less than 2 pounds per square foot

### Sizes:

Please refer to panel sizes group A on page 37.





Anodizing successfully combines science with nature to create one of the world's best metal finishes. It takes the natural oxidation process and helps it along by adding electricity and chemicals to produce a dense surface that is integral with the aluminum. This process brings out the natural variation in the aluminum (color variation can be expected). This durable and beautiful finish is available in many shades and is a perfect complement to the Dri-Design system.

### **Technical Information**

System Depth - 1 1/4" nominal

Material - Aluminum

**Material Thickness** - .080" standard (other gauges available)

Panel Joints - ½" nominal standard (1/8" – 1" available)

**Finish** - Clear, Bronze, Black, Champagne and Bordeaux Anodized

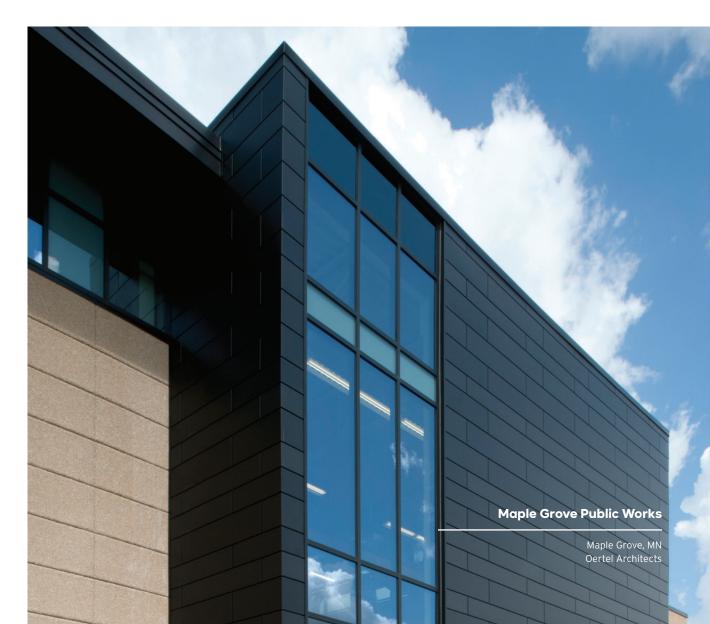
**Finish Warranty** - 5 year standard (10 year available)

**Weight -** Less than 2 pounds per square foot

### Sizes:

Please refer to panel sizes group A on page 37.





Capture the warm glow of natural copper, along with the long lasting durability of an anodized finish. Our Copper Anodized Series will add depth and character to your design with subtle variations of copper penny color from panel to panel.

**UMASS Amherst** 

Amherst, MA

### **Technical Information**

**System Depth -** 1 1/4" nominal

**Material -** Aluminum

**Material Thickness -** .080" standard (other gauges available)

**Panel Joints -**  $\frac{1}{2}$ " nominal standard  $(\frac{1}{8}" - 1" \text{ available})$ 

Finish - Copper Anodized

**Finish Warranty -** 5 year standard (10 year available)

### Sizes:

Please refer to panel sizes group A on page 37.

Photo credit© Albert Vecerka / Esto







Inspire by Dri-Design offers the long-life durability of aluminum with unique and customizable finishes that are equally suitable for use on interior and exterior applications. The Inspire Series employs an advanced PVDF finishing technique to provide a patterned finish with superior weatherability and longevity. Available in finishes inspired by wood, weathering steel, stone, etc., this system has many applications. If you are looking for something truly one of a kind, we can even help design a custom pattern for your project.

### **Technical Information**

System Depth - 1 1/4" nominal

Material - Aluminum

**Material Thickness** - .080" standard (other gauges available)

**Panel Joints** -  $\frac{1}{2}$ " nominal standard (1/8" - 1" available)

**Finish** - Fluoropolymer, wood grains, weathering steel, stone and many other patterns. Custom patterns available.

Finish Warranty - 20 year standard

**Weight** - Less than 2 pounds per square foot

### Sizes:

Please refer to panel sizes group A on page 37.

## Inspire Series

## **NAZINC**

VMZINC® Series Panels take inspiration from the distinctive tones and textures of nature to create an exclusive, refined and unforgettable visual experience. Our Dri-Design Panels made with VMZINC® are available in QUARTZ-ZINC®, ANTHRA-ZINC®, AZENGAR® and PIGMENTO® Series colors.





### **Technical Information**

System Depth - 1 1/4" nominal

Material - VMZINC®

Material Thickness - 1 mm, 1.5 mm

Panel Joints - ½" nominal standard (1/8" - 1" available)

**Finish** - QUARTZ-ZINC®, ANTHRA-ZINC®, AZENGAR® and PIGMENTO® Series

**Weight -** Less than 3 pounds per square foot

### 1 mm ANTHRA-ZINC®, QUARTZ-ZINC®,

on page 37.

**PIGMENTO® AND AZENGAR®** 

Please refer to panel sizes group C

### 1.5 mm ANTHRA-ZINC®, QUARTZ-ZINC®, PIGMENTO® AND AZENGAR®

Please refer to panel sizes group B on page 37.

ANTHRA-ZINC®	
QUARTZ-ZINC®	
PIGMENTO® Green	
PIGMENTO® Blue	
PIGMENTO® Red	
PIGMENTO® Brown	
AZENGAR®	

## Other Metals

Virtually any flat or slightly embossed metal can be used in Dri-Design Panel Systems. Select a metal that conveys your vision, and we will manufacture a panel that completes your design.

### **Technical Information**

System Depth -  $1\frac{1}{4}$ " nominal

**Materials** - Copper, Stainless Steel, Titanium, Weathering Steel, Embossed Stainless and others

**Material Thickness** - Varies based on material type

**Panel Joints** -  $\frac{1}{2}$ " nominal standard (1/8" – 1" available)

Finish - Varies based on material type

Weight - Varies based on material type

### Sizes:

Panel sizes will vary with each individual scenario based on the material specified. Please contact a Dri-Design representative to discuss your specific requirements.





Gone are the days of flat and featureless facades. Our Shadow Series panels let you add depth and definition to any architectural design. Individual panels can be extended at varying depths to create texture or a dynamic variation in patterns, all while keeping the substrate and weather barrier in the same plane.

### **Technical Information:**

### .080" Aluminum

**System Depth -**  $1\frac{1}{4}$ " -4" for aluminum and  $1\frac{1}{4}$ " -3" for VMZINC®

Please refer to panel sizes group A on page 37.

Material - Aluminum and VMZINC®

**Material Thickness -** .080" for aluminum, 1 mm and 1.5 mm for VMZINC®

1 mm VMZINC®

Panel Joints - 1/2" nominal

Please refer to panel sizes group C on page 37.

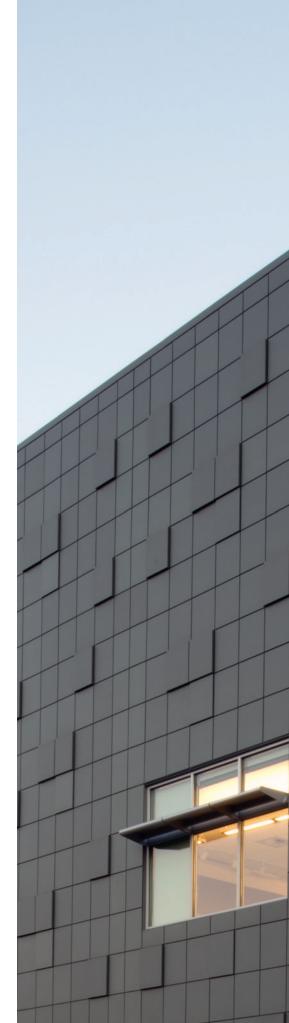
**Finish -** Available in all Dri-Design finishes and colors

1.5 mm VMZINC®

Weight - Varies based on material type

Please refer to panel sizes group B on page 37.

## Shadow









Edmonton, AB, Canada Dub Architects and HCMA Architecture + Design Dri-Design with Perforated Imaging uses advanced computer based manufacturing to create complex images using perforations. By varying the size, location and density of the perforations, areas of light, dark and shades in between are created to form an image. These perforations also allow the panel to provide needed airflow and/or shade to a structure. Since the images can be created from any digital picture, you are only limited by your imagination.

### **Technical Information:**

**System Depth -** 1 ½" - 4" nominal, including Tapered and Shadow

**Material -** Aluminum, VMZINC<sup>®</sup>, Copper and Stainless Steel

**Panel Joints -**  $\frac{1}{2}$ " nominal standard (1/8" – 1" available)

**Image -** Any image of your choice

**Perforations -** Most sizes and shapes. Density and location will vary depending on the image and specific needs of the project. Please speak with a Dri-Design representative about specific requests.

**Secondary Material -** A second layer of material can be added behind the perforations when needed for water management or to achieve a specific aesthetic. A variety of finishes are available

**Finish -** Available in all Dri-Design finishes

Weight - Varies based on material type

### Sizes:

Please refer to panel sizes group A on page 37.







Dri-Design has always made design flexibility a high priority. With our unlimited color palette, variety of materials, sizes, textures, shapes and perforation, we want you to feel empowered, not restricted, by our capabilities. There are even times where your vision takes our panel design to a rare, or completely new space. This area of design freedom and invention, which has no barriers, is called Dri-Design Custom. Please contact us about taking your ideas from concept to reality.



A stunning combination of functionality and aesthetics – the Perforated Panel Series provides necessary airflow and/or shade to a structure without sacrificing style or design. Virtually any shape and pattern can be perforated into the panels and used for a myriad of applications.

### Sizes:

Please refer to the specific material section of the design guide for the correct size parameters of the material you intend to use.

### **Technical Information:**

System Depth - 1 1/4" - 4" nominal, including Tapered and Shadow

Material - Aluminum, VMZINC®, Copper and Stainless Steel

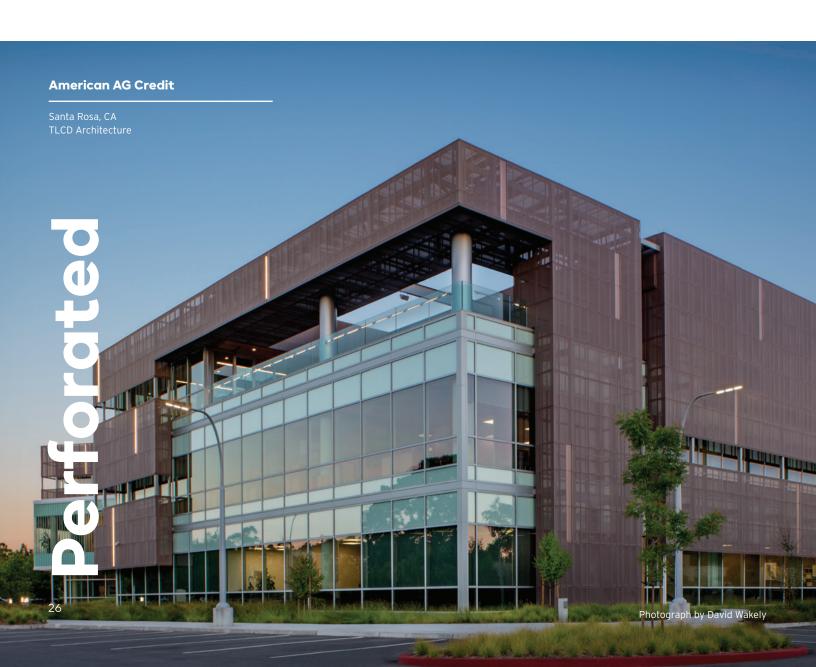
Panel Joints - 1/2" nominal standard (1/8" - 1" available)

**Perforations -** Most sizes, shapes and locations. Please speak with a Dri-Design representative about specific requests.

**Secondary Material -** A second layer of material can be added behind the perforations when needed for water management or to achieve a specific aesthetic. A variety of finishes are available

Finish - Available in all Dri-Design finishes

Weight - Varies based on material type





Dri-Design introduces a new paint finish that expresses not only a new look, but also a new feel, in a high quality, PVDF finish. This new paint finish uses a special technique to impart a sand-like texture during the finishing process. Beyond the unique tactile expression, this texture gives the panels a very unique visual appeal, whether experiencing it from close proximity or from far away. Also, because the paint utilizes a 70% PVDF resin package, the finish achieves the highest levels of performance in an exterior environment.

### **Technical Information:**

System Depth - 1 1/4" nominal

Material - Aluminum

Material Thickness - .080" standard (other gauges available)

Finish - Fluoropolymer, unlimited color palette

Finish Warranty - 20 year standard

Panel Joints - 1/2" nominal standard (1/8" - 1" available)

### Sizes:

Please refer to panel sizes group A on page 37.

## Aluviun



With our Embossed Panel, there is essentially no limit to the design possibilities or applications. Almost any shape or feature, convex or concave, can be embossed into the Dri-Design panels to create a distinctive, three dimensional accent.

### Sizes:

Please refer to the specific material section of the design guide for the correct size parameters of the material you intend to use.

### Technical Information:

**System Depth -**  $1\frac{1}{4}$ " – 4" nominal, including Tapered and Shadow

Material - Aluminum, VMZINC®, Copper and Stainless Steel

Material Thickness - Varies based on materials

Panel Joints - 1/2" nominal standard (1/8" - 1" available)

**Embossing -** Most sizes, shapes and locations. Please speak with a Dri-Design representative about specific requests.

Finish - Available in all Dri-Design finishes

**Weight -** Varies based on material type

## **Embossed**

Create a visual "feel" with our Textured Panel System. Each perforated corrugated panel is affixed to a Dri-Design wall panel, and delivered to the job site ready to install. Pick any pattern, choose a finish - we give you unfettered freedom to dream as you wish.

### **Technical Information:**

System Depth - 6"

Material - Aluminum

Material Thickness - .063" and .080"

Perforated Pattern - Any pattern

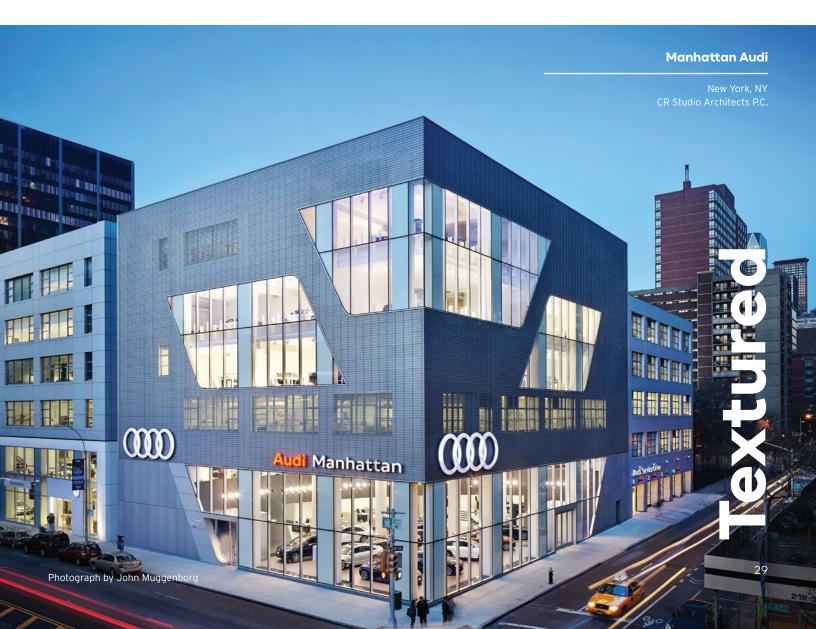
Panel Joints - 1/8" nominal

Finish - Available in all Dri-Design finishes

Weight - Less than 5 pound per square foot

### Sizes:

Please refer to the specific material section of the design guide for the correct parameters of the material you intend to use.





### **Available Sizes**

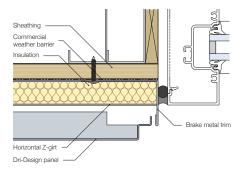
\*dimensions are center line to center line.

A Width x Height	B Width x Height		C Width x	Height		
36" × 36"	24" × 48"	72" × 24"	18" × 48"	72" × 18"		
72" x 22"	48" x 22"	96" x 22"	30" × 30"	96" x 18"		
120" x 22"	60" × 22"	96" x 24"	48" × 24"	96" x 20"		
1999	60" x 24"	120" × 20"	60" x 20"	120" × 18"		
	72" × 20"	120" × 24"				
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### **Architectural Details**

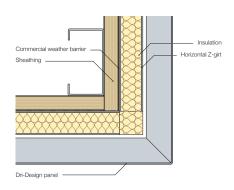
### Jamb Detail



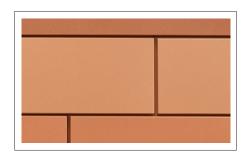


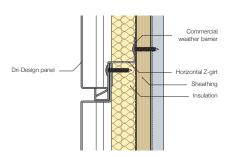
### **Outside Corner Detail**





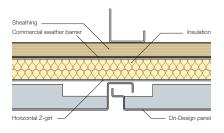
### **Horizontal Joint Detail**





### **Vertical Joint Detail**





### Formed Outside Corner and Column Size Parameters:

### Formed Outside Corner:

### Aluminum:

One dimension (either dimension "A" or "B") must not exceed a maximum dimension of 24".

The minimum dimension is 4".

The total unfolded panel length cannot exceed standard aluminum flat panel size parameters.

If you have corner panels that fall outside of these parameters, contact Dri-Design for additional options.

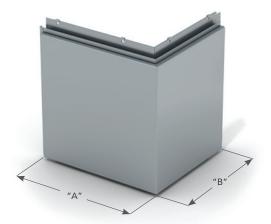
### VMZINC®:

One dimension (either dimension "A" or "B") must not exceed a maximum dimension of 18".

The minimum dimension is 4".

The total unfolded panel length cannot exceed 72".

If you have corner panels that fall outside of these parameters, contact Dri-Design for additional options.



### Columns:

### Aluminum:

The return leg dimensions cannot exceed 80% of the column face (.8x") or a maximum of 24".

The total unfolded panel length cannot exceed standard aluminum flat panel size parameters.

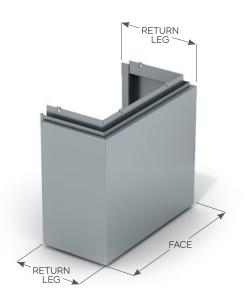
If you have column panels that fall outside of these parameters, contact Dri-Design for additional options.

### VMZINC®:

The return leg dimensions cannot exceed 80% of the column face (.8x") or a maximum of 18".

The total unfolded panel length cannot exceed 72".

If you have column panels that fall outside of these parameters, contact Dri-Design for additional options.







Dri-Design has always held performance at the forefront of everything we do, resulting in one of the highest tested systems on the market. With the Dri-Design Continuous Insulation System, we aim to bring this same mentality to the entire wall assembly and provide a new option when choosing your Dri-Design substrate. Tested as an entire wall assembly, Dri-Design CI is both NFPA-285 and ASHRAE 90.1 approved, giving you both the fire and thermal performance you need in a convenient, single sourced package. Available in both mineral wool and Kooltherm® options, you can choose the solution that's best for your project.

- NFPA 285 Compliant
- ASHRAE 90.1 Approved
- Complete Tested Wall Assembly
- Single Sourced Package

### Kooltherm® Wall Assembly

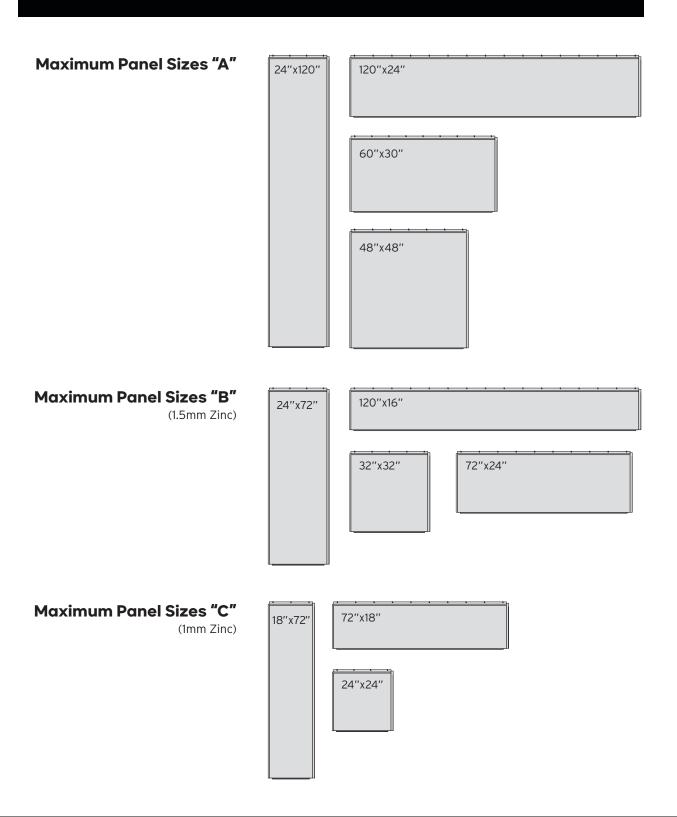


Mineral Wool Assembly





### If the panel you would like fits within these guidelines, Dri-Design can easily manufacture it.





### **Testing**

### **AAMA 508-07**

ASTM E 283-04 Air Leakage

ASTM E 1233-06 Structural Performance

ASTM E 331-00 Static Water Penetration (25.0 PSF)
ASTM E 501-05 Dynamic Water Penetration (15.0 PSF)

### **DADE NOA**

TAS 202-94 Uniform Static Air Pressure Loading

TAS 203-94 Cycle Wind Pressure Loading

ASTM E 8-08 Tension Testing of Metallic Materials



### **NFPA 285**

Both phenolic form and mineral wool on continuous insulation system

### Accreditations

Code Compliance Research Report (CCRR) Intertek

Los Angeles Research Report (LARR) Florida Product Approval UL Listed



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