



 **dri-
design**[®]
A Kingspan Group Company



Table of Contents

4	Introduction
6	Environmental Footprint
8	Painted Aluminum
10	Anodized Aluminum
11	Copper Anodized
12	Inspire Series
14	VMZINC®
16	Other Metals
18	Shadow
20	Tapered
22	Perforated Imaging
24	Dri-Design Custom
26	Perforated
27	Aluvium
28	Embossed
29	Textured
30	EN-V®
32	Details
33	Outside Corner and Column Size Parameters
34	Continuous Insulation System
36	Panel Size Parameters
38	Testing

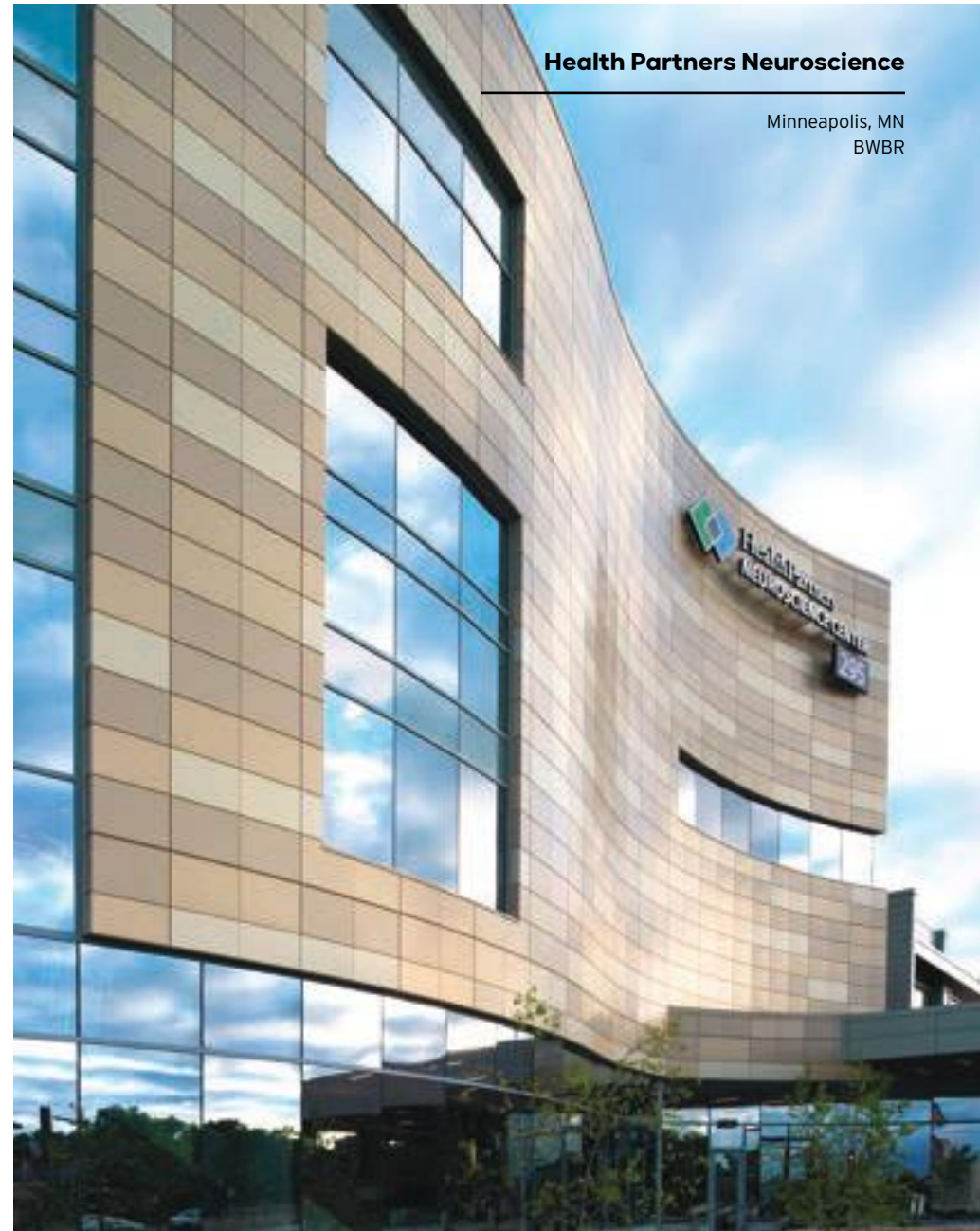


**Nearly 20 years ago,
the Dri-Design Metal Wall Panel began its existence, humbly,
in the back of a small shop, being manufactured by hand.**

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.



Health Partners Neuroscience

Minneapolis, MN
BWBR

**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

Cover
Aloft/Element Hotel - Austin, TX
HKS, Inc.

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.

Key Advantages of Dri-Design:

- No sealants, gaskets or butyl tape in the panel joints - which means no dirty streaks or a legacy of maintenance for the building owner.
- Panels are not laminated nor a composite, so they will never delaminate.
- Dedicated to developing sustainable products.
- Fully tested to exceed ASTM standards and the latest AAMA 508-07 for pressure equalized rain-screens. Miami Dade approved.
- Interlocking panel design makes installation quick and easy.
- Each Dri-Design product is a single-skin, non-combustible metal panel.

Painted Aluminum

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 ¼" nominal

Material - Aluminum

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

Panel Joints - ½" 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.



Pittsburg State University
Bicknell Family Center for the Arts

Pittsburg, KS
ACI Frangkiser Hutchens

Anodized Aluminum

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 ¼" 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.

Technical Information

System Depth - 1 ¼" nominal

Material - Aluminum

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

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

Finish - Copper 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.

UMASS Amherst

Amherst, MA
Leers Weinzapfel Associates Architects, Inc.



Copper Anodized



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 3/4" nominal

Material - Aluminum

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

Panel Joints - 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

University of Texas - Tyler

Tyler, TX
Smithgroup JJR

VMZINC®

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 ¼" 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®, PIGMENTO® AND AZENGAR®

Please refer to panel sizes group C on page 37.

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®



Colors shown are representational only.

Adobe Utah Campus

Lehi, UT
WRNS Studio

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 3/4" nominal

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

Material Thickness - Varies based on material type

Panel Joints - 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.

901 East 6th Street

Austin, TX
Thoughtbarn + Delineate Studio
Material: Weathering Steel



Shadow

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:

System Depth - 1 ¼" – 4" for aluminum and 1 ¼" – 3" for VMZINC®

Material - Aluminum and VMZINC®

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

Panel Joints - ½" nominal

Finish - Available in all Dri-Design finishes and colors

Weight - Varies based on material type

**.080"
Aluminum**

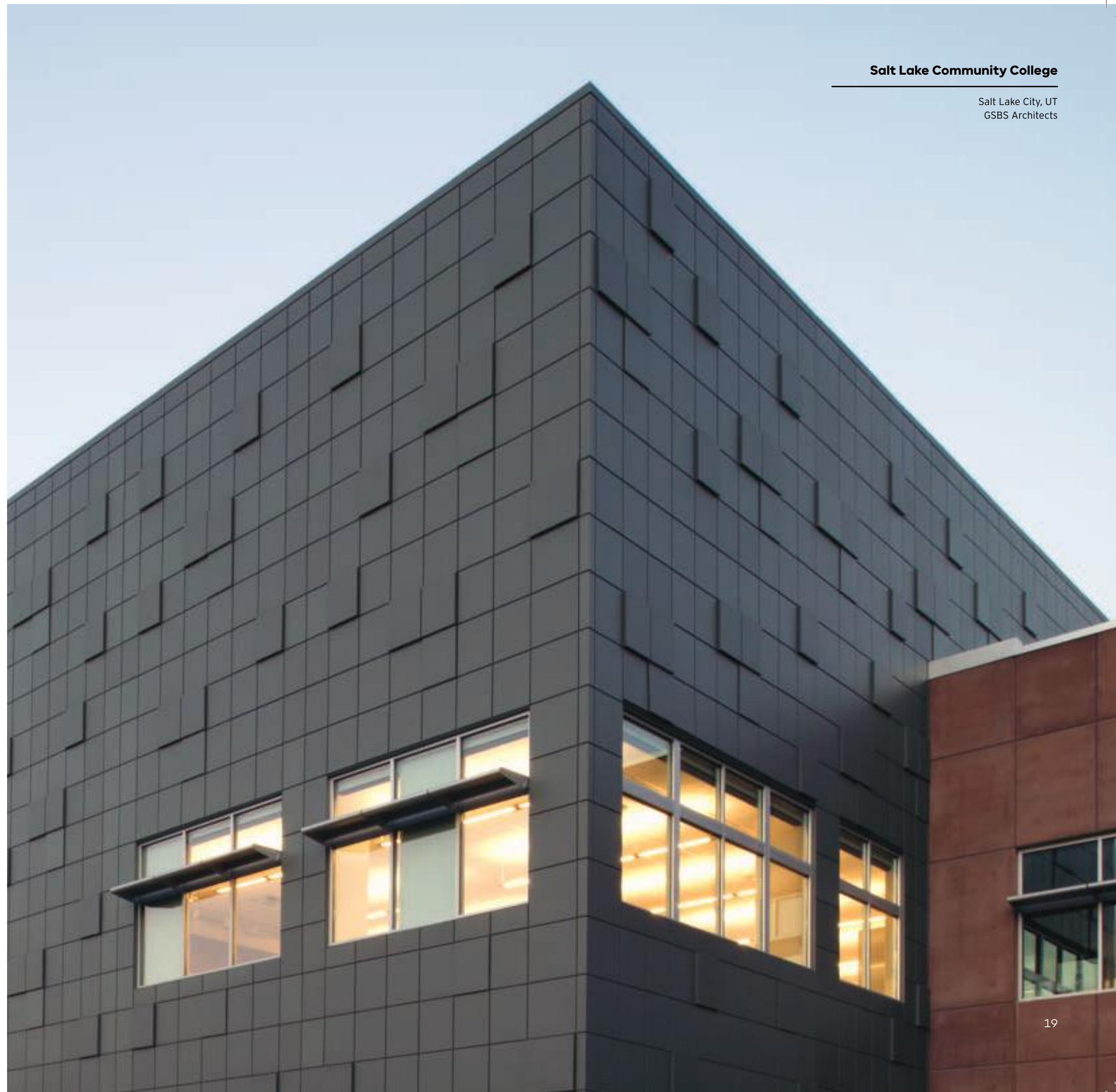
Please refer to panel sizes group A on page 37.

**1 mm
VMZINC®**

Please refer to panel sizes group C on page 37.

**1.5 mm
VMZINC®**

Please refer to panel sizes group B on page 37.



tapered

Tapered Series Panels can be angled in any direction with varying depths and degree of slope. This freedom to design each specific panel gives you an unlimited capacity to create a dynamic, one-of-a-kind surface on nearly any facade, without the need to modify the substrate or weather barrier.

Sizes:

Please refer to panel sizes group A on page 37.

Technical Information:

System Depth - Minimum Depth: 1 ¼" nominal, Maximum Depth: 4" nominal

Taper Direction - Right to left, left to right, bottom to top and top to bottom

Material - Aluminum and VMZINC®

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

Panel Joints - ½" nominal

Finish - Available in all Dri-Design finishes and colors

Weight - Varies based on material type

Mill Woods Library, Seniors and Multicultural Centre

Edmonton, AB, Canada
Dub Architects and HCMA Architecture + Design

Perforated Imaging

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 ¼" - 4" nominal, including Tapered and Shadow

Material - Aluminum, VMZINC®, Copper and Stainless Steel

Panel Joints - ½" 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.

The Wellness & Aquatic Center at Southwestern College

Chula Vista, CA
Tucker Sadler Architects



Dri-Design Custom

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.

The Shops at Clearfork

Fort Worth, TX
Nelsen Partners

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 3/4" - 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



American AG Credit

Santa Rosa, CA
TLCD Architecture

Perforated



Photograph by David Wakely

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.

Sizes:

Please refer to panel sizes group A on page 37.

Technical Information:

System Depth - 1 3/4" nominal

Material - Aluminum

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

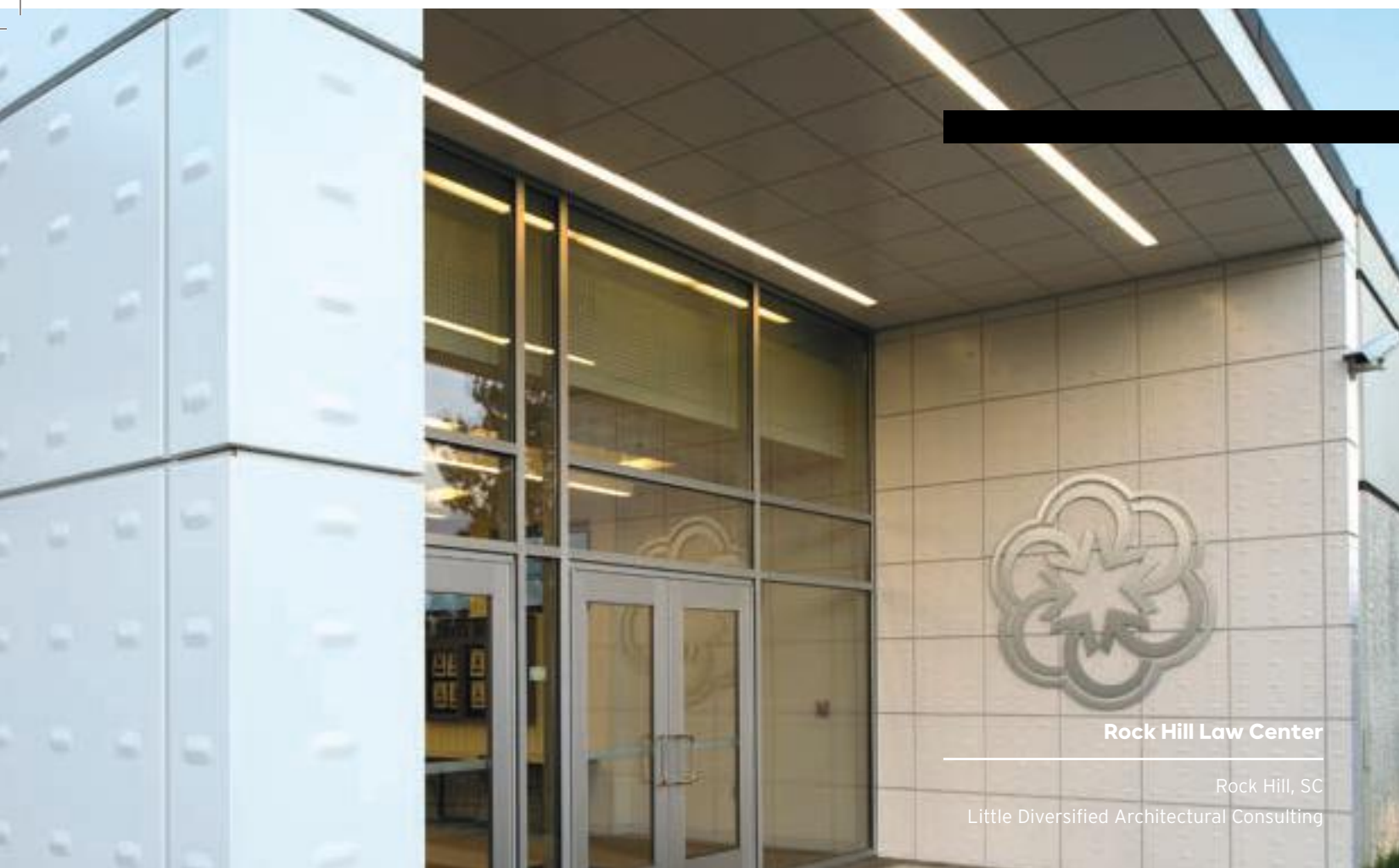
Panel Joints - 1/2" nominal standard (1/8" - 1" available)

Finish - Fluoropolymer, unlimited color palette

Finish Warranty - 20 year standard

Weight - Less than 2 pounds per square foot

Aluminum



Rock Hill Law Center
 Rock Hill, SC
 Little Diversified Architectural Consulting

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.

Embossed

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 ¼” – 4” nominal, including Tapered and Shadow

Material - Aluminum, VMZINC®, Copper and Stainless Steel

Material Thickness - Varies based on materials

Panel Joints - ½” 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



Manhattan Audi
 New York, NY
 CR Studio Architects P.C.

Photograph by John Muggenborg

Textured

With EN-V, we aim to restore the true meaning of Value Engineering. We haven't cheapened anything about the EN-V metal panel system, but rather optimized the process to find cost savings without ever sacrificing performance. EN-V is a tested, architectural, dry joint, pressure equalized rainscreen system, which starts at \$11.95 per square foot for panels; an uncommonly low price in this sector. Available in a nearly endless palette of custom colors, EN-V doesn't compromise on aesthetics either. Now you can use a system you want at the price point you need.

Available Sizes

*dimensions are center line to center line.

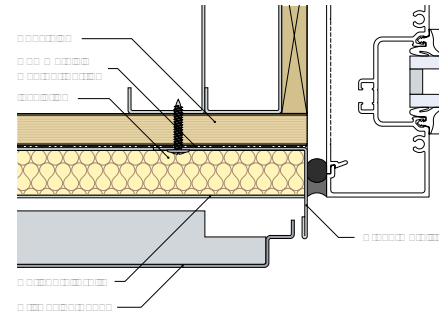
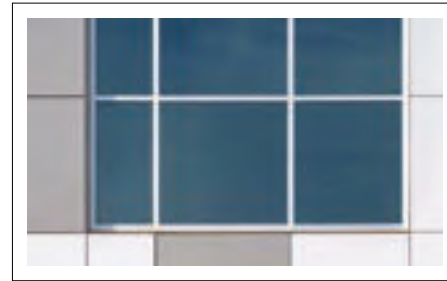
A Width x Height	B Width x Height		C Width x Height	
36" x 36"	24" x 48"	72" x 24"	18" x 48"	72" x 18"
72" x 22"	48" x 22"	96" x 22"	30" x 30"	96" x 18"
120" x 22"	60" x 22"	96" x 24"	48" x 24"	96" x 20"
	60" x 24"	120" x 20"	60" x 20"	120" x 18"
	72" x 20"	120" x 24"		

Quincy High School

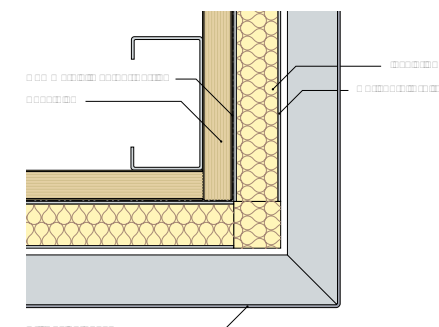
Quincy, WA
NAC Architecture

Architectural Details

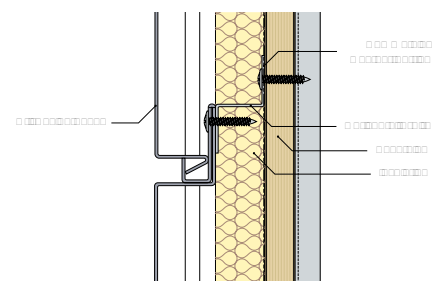
Jamb Detail



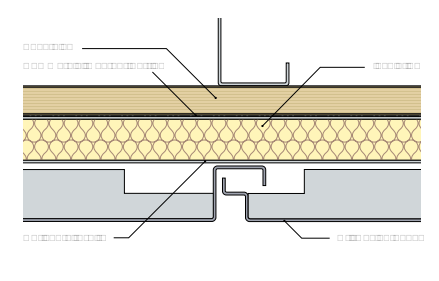
Outside Corner Detail



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.

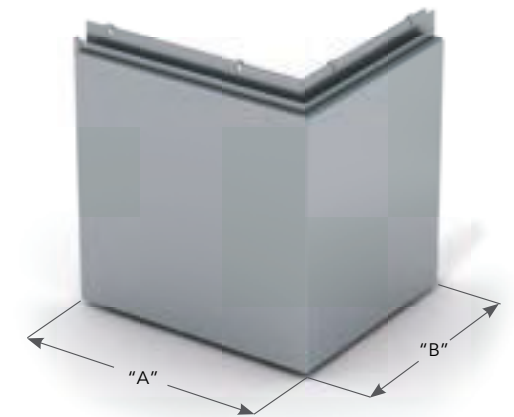
VMZINC®:

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.

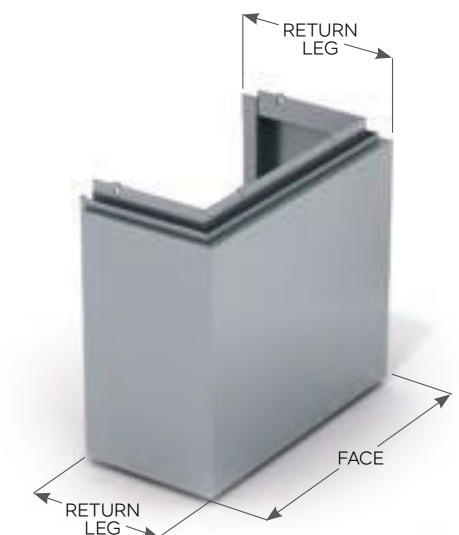
If you have column panels that fall outside of these parameters, contact Dri-Design for additional options.

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.



Continuous Insulation System

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



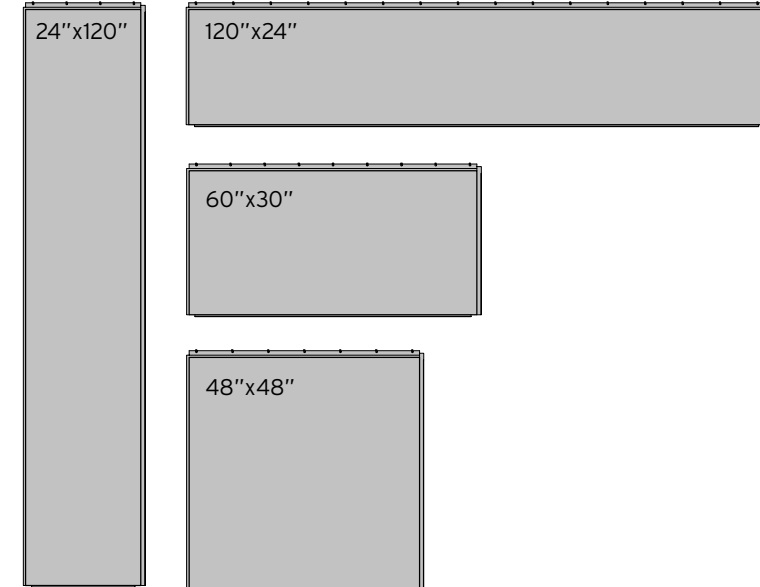
Mineral Wool Assembly



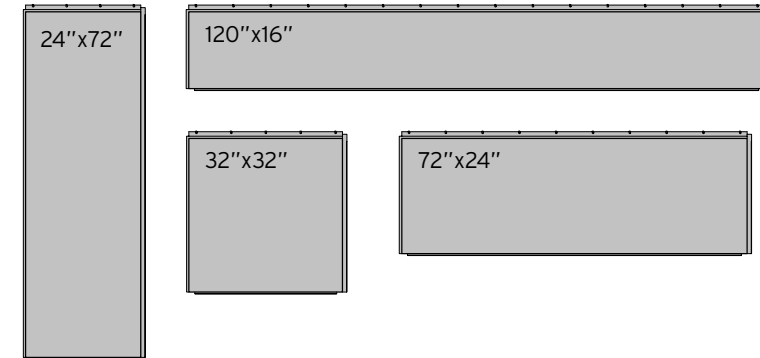
Panel Size Parameters

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

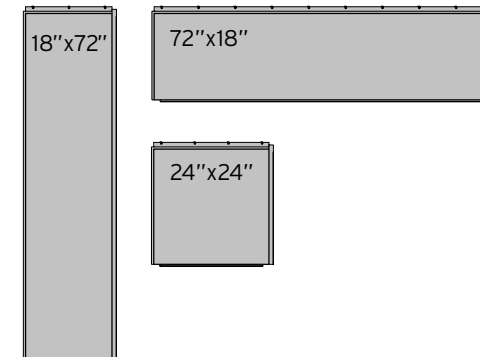
Panel Sizes "A"



Panel Sizes "B" (1.5mm Zinc)



Panel Sizes "C" (1mm Zinc)



Lackland Air Force Base

San Antonio, TX
HDR, Inc.



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



(616) 355-2970

www.dri-design.com

P.O. Box 1286 | Holland, Michigan 49422

