The Carl T. Hayden VA Medical Center parking garage in Phoenix is a great example of design and function working together, in the form of Dri-Design Perforated Imaging Panels. The panels meet air circulation requirements and provide shade for the structure, while making an inviting, patriotic statement with the image of soldiers on the panels. The image is created by varying the size, location and density of the perforations.
DRI-DESIGN DESIGN GUIDE

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

It 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 panels 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.

The result of our meticulous engineering was a style 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. Made from a single solid piece of metal and not ACM or MCM, it is non-combustible. Furthermore, 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.

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.

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

Key Advantages of Dri-Design:

- No sealants, gaskets or butyl tape in the panel joints, means no dirty streaks or a legacy of maintenance for the building owner.
- Panels are not laminated nor a composite - 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.
DRI-DESIGN’S ENVIRONMENTAL FOOTPRINT
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 the environmental impact.

MADE LOCAL
Dri-Design purchases its aluminum from domestic mills which saves transportation energy costs.

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 PLASTICS
Dri-Design single skin technology does not have a plastic core like our MCM competitors...saving fossil fuels.

NO VOCs
Our paint providers are environmentally-conscious finishers. They use a 100% air capture system to destroy the VOCs produced, so there is no adverse environmental impact.

ABOUT DRI-DESIGN

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

Panel Size Parameters:
These are the recommended maximum size panel guides. If the panel you would like fits inside these guides, Dri-Design can easily manufacture it. For larger sizes, please contact a Dri-Design representative to discuss your specific requirements.

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.

4 dri-design.com | 616.355.2970 5 dri-design.com | 616.355.2970
The Select Series boasts the same innovative design and durability as all of our other customizable products, but costs much less. The Select Series is available in 12 standard sizes and several material and color options. While the options may be a bit more limited than our other panel products, the quality is exactly the same.

The cost effectiveness of the Select Series is a result of purchasing power, robotics and optimization. The automated production process utilizes the entire sheet: eliminating waste, reducing the cost of production and saving you money. Never before have such high quality wall panels been available at such a great value.

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For other sizes please contact a Dri-Design representative.
VMZINC® Series Panels pull from the distinctive tones and textures of nature to create an exclusive, refined and unforgettable visual experience. Our VMZINC® panels 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, Anthra, Azengar, and Pigmento Series
- **Weight**: Less than 3 pounds per square foot

### Panel Size Parameters:

These are the recommended maximum size panel guides. If the panel you would like fits inside these guides, Dri-Design can easily manufacture it. For larger sizes, please contact a Dri-Design representative to discuss your specific requirements.

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1.5 mm ANTHRA-ZINC®, QUARTZ-ZINC®, PIGMENTO® and AZENGAR®
Colors shown are representational only.

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1 mm ANTHRA-ZINC®, QUARTZ-ZINC®, PIGMENTO® and AZENGAR®
Colors shown are representational only.
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 pair with 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, Champagne and Black Anodized
- **Finish Warranty:** 5 year standard (10 year available)
- **Weight:** Less than 2 pounds per square foot

**Panel Size Parameters:**

These are the recommended maximum size panel guides. If the panel you would like fits inside these guides, Dri-Design can easily manufacture it. For larger sizes, please contact a Dri-Design representative to discuss your specific requirements.

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

**Panel Size Parameters:**

These are the recommended maximum size panel guides. If the panel you would like fits inside these guides, Dri-Design can easily manufacture it. For larger sizes, please contact a Dri-Design representative to discuss your specific requirements.
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

Panel Size Parameters:

These are the recommended maximum size panel guides. If the panel you would like fits inside these guides, Dri-Design can easily manufacture it. For larger sizes, please contact a Dri-Design representative to discuss your specific requirements.

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 ¼” nominal

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

Material Thickness - Varies based on material type

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

Finish - Varies based on material type

Weight - Varies based on material type

Panel 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.
Technical Information:

**System Depth:**
- 1 ¼" – 4" for aluminum and 1 ¾” – 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

Panel Size Parameters:
These are the recommended maximum size panel guides. If the panel you would like fits inside these guides, Dri-Design can easily manufacture it. For larger sizes, please contact a Dri-Design representative to discuss your specific requirements.

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.
PERFORATED IMAGING

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.

### 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)
- **Perforations**: 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

### Panel Size Parameters:

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

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.

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**Architect**: KA
**Photographer**: Ed Massery
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

Panel Size Parameters:
These are the recommended maximum size panel guides. If the panel you would like fits inside these guides, Dri-Design can easily manufacture it. For larger sizes, please contact a Dri-Design representative to discuss your specific requirements.

Technical Information:

System Depth - 6”
Material - Aluminum
Material Thickness - .063” and .080”
Panel Joints - 1/8” nominal
Perforated Pattern - Any pattern
Finish - Available in all Dri-Design finishes
Weight - Less than 5 pounds per square foot

Panel Size Parameters:
These are the recommended maximum size panel guides. If the panel you would like fits inside these guides, Dri-Design can easily manufacture it. For larger sizes, please contact a Dri-Design representative to discuss your specific requirements.

This advanced PVDF finishing technology can provide highly custom finishes with superior weatherability and durability, without the concern of delamination and bubbling associated with laminated products. 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.

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.

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Dri-Design has always made design flexibility a high priority. With our unlimited color palette, variety of materials, sizes, textures, shapes and perforating, 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.

**Installation Options:**

The Dri-Design metal wall panel system's unique pressure equalized rain-screen qualities allow it to be used as an integral part of many different types of wall assemblies.

This flexibility has proven to be very beneficial as building techniques shift due to changing environments, building codes and the newest, most stringent, energy codes. As such, Dri-Design has been installed on nearly every style and brand of system available on the market today. This includes:

- Continuous insulation systems
- Plywood with a weather barrier
- Concrete or CMU block
- Steel girts, furring or flat strap (with or without insulation)
- Insulated metal panel systems
- Unitized panel construction
- Many more

Dri-Design’s adaptability also make it the perfect system to use when retrofitting an existing building.

For specific questions and details about various installation styles, please contact Dri-Design.

The façade on the Nordstrom Toronto Eaton Centre features Dri-Design’s Inspire Finish in a Shadow Series panel, giving the individual cassettes distinguishing pattern when viewed both near and far. Utilizing a custom Dri-Design detail, Custom LED light bars were also incorporated into the façade. The detail allows the light bars to be hidden within the horizontal joints.

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Architectural Details:

- Jamb Detail
- Vertical Joint Detail
- Outside Corner Detail
- Typical Horizontal Joint
- Typical Vertical Joint
CORNER AND COLUMN PARAMETERS

**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.
The Applied Science Center at Ventura College in Ventura, California features Dri-Design Tapered Series Panels, which provide the unique ability to use light as an added dimension of design. The distinct, multifaceted aluminum façade utilizes the tapered panels to give the impression of many shades, though only painted one color. Custom LED lighting bars were also incorporated into the facade to create shadows and visual interest, highlighting the angles of the exterior installation.

Toronto is home to one of the largest training schools for transportation technology in Canada—Centennial College Ashtonbee Campus. It is only fitting, considering its technology-driven nature, that the institution was recently renovated with expanded facilities clad in Dri-Design’s Metal Wall Panel System. The project required 77,000 square feet of Dri-Design’s Stainless Steel Tapered Wall Panel System. The selection of the stainless steel panels was inspired by the sensuous chrome engines being operated by its students.

Centennial College Ashtonbee Campus
MacLennan Jaunkalns Miller Architects
Polished Stainless Steel Tapered Series

Toronto, Canada
Miller Architects
Tapered Series