



DUO-GARD
TOGETHER BY DESIGN.™



Series 2500 Standing Seam Polycarbonate Canopy System

Duo-Gard's standing seam polycarbonate canopy system can be field fabricated and cold formed to create unique shapes and designs. Our engineered framing profile is designed for long expanses with minimal mullions and structural support. The 20mm polycarbonate panel is coextruded with UV inhibitor on both sides and can be manipulated for varied degrees of light transmission. Each panel's hollow cell structure is lightweight with more strength and durability than traditional glazing systems, including glass. Polycarbonate provides high-performance shading and light distribution; creating an aesthetically pleasing solution for any project.



Design Flexibility



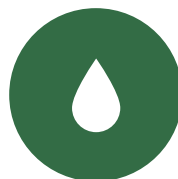
Sustainability



Light Diffusion



Easy Installation



Low Maintenance

- Sloped and curved applications
- Panels can be cold formed
- Panels can easily be replaced in the field if maintenance is required over time
- Panels available in 2' widths
- Minimum 2:12 slope required
- Glazing is UV protected on both sides and coextruded within the panel
- Lightweight, requiring less structure and lower costs while providing more strength & durability
- PE calcs & stamps in all 50 states
- Design services available
- Aluminum and steel structure are rust free and provide excellent durability & longevity
- 20mm polycarbonate panel thickness
- Standing seam design is able to withstand extreme loading
- Standard clear, opal, green, blue or bronze panels
- Panel lengths up to 40' and produced in the US
- Custom and multi-color panels
- Standard gloss finish
- Matte finish available for additional cost
- Custom IR filters available to reduce heat transmission



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System Testing

Test Standard	Test Description	Results
ASTM D1929	Ignition Temperature	896°F
ASTM D2843	Density of Smoke	71%
ASTM D635	Burn Extent	CC1
ASTM E84	Flame Spread	Class A: 10
ASTM E84	Smoke Development	Class A: 20
ASTM D1925	Yellowness	Less than 10 delta over 10 years
EN 4 10 ed	Color Change	No more than 6% over 10 years

System Specifications

System Specifications	
Panel Thickness	20mm
Panel Width	23-5/8"
Panel Length	Up to 40'
Panel Profile	6-wall with integral upturn batten tabs along the two long side edges
Standard Colors	Clear, Opal, Bronze, Green and blue Contact Duo-Gard for more custom colors and finishes
Framing System	Aluminum with Anodized, Kynar or Tnemec finishes





REDUCE COST - INCREASE PROFITABILITY: Improve the consistency of your operations: AISC Certification helps you reduce the risk of rework by requiring you to have measurable goals. Goals lead to modifying your documented production as well as your quality procedures which in turn reduces waste.

SPEED: Improve delivery time by taking the inspection schedule into your hands: IBC Chapter 1704.2.5.2 does not require special inspections where the work is done in the facilities or shop of a fabricator registered and approved. Inspections are performed by the fabricator instead of a third-party inspector resulting in a faster schedule. AISC Certification is frequently used by fabricators to obtain such approval from the building official.

QUALITY: Meet the specified level of quality by effective communication with your customer: AISC Certification requires you to have effective inspection record keeping. When these processes are part of your Quality Management System (QMS), you will have the information your customer needs.

What if a piece of steel delivered to the jobsite last week suddenly turns up damaged? Do you have the documentation to show that it was delivered to the site unharmed?

What if a coating system starts to peel? Do you have documentation regarding the surface preparation?

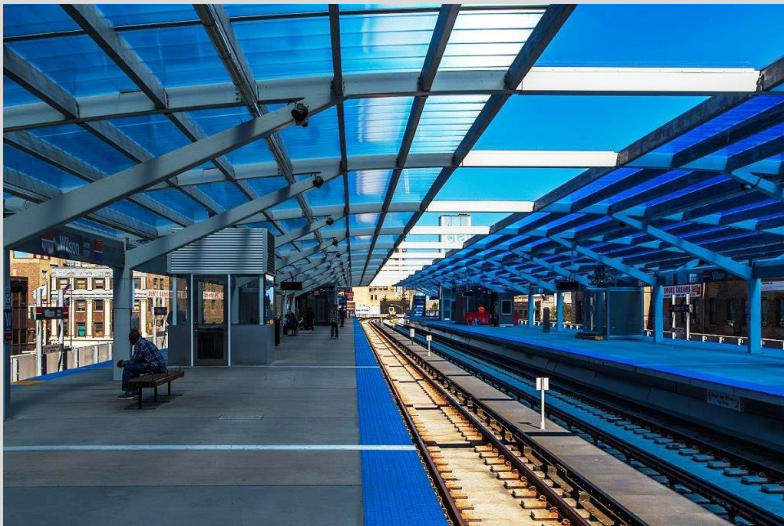
Today, being AISC certified means that a company adheres to a rigorous, and often changing, set of standards of quality and safety. Duo-Gard has achieved a milestone by acquiring certification from the American Institute of Steel Construction.

As the Institute explains it: "AISC Certification Programs set the quality standard for the structural steel industry and are the most recognized national quality certification program for the industry. Our programs focus on the entire process of fabrication and erection. Our goal is to build quality structures from the start by focusing on error prevention rather than error correction."



TOGETHER BY DESIGN.™

Inspire | Innovate | Create



Achieve 360°

Vision Pursuit Pathway

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ACTIVATE:

Engineering Deployment
Fabrication Execution
Delivery Governance
Installation Supervision

Mission:

FULFILLMENT + TRUST

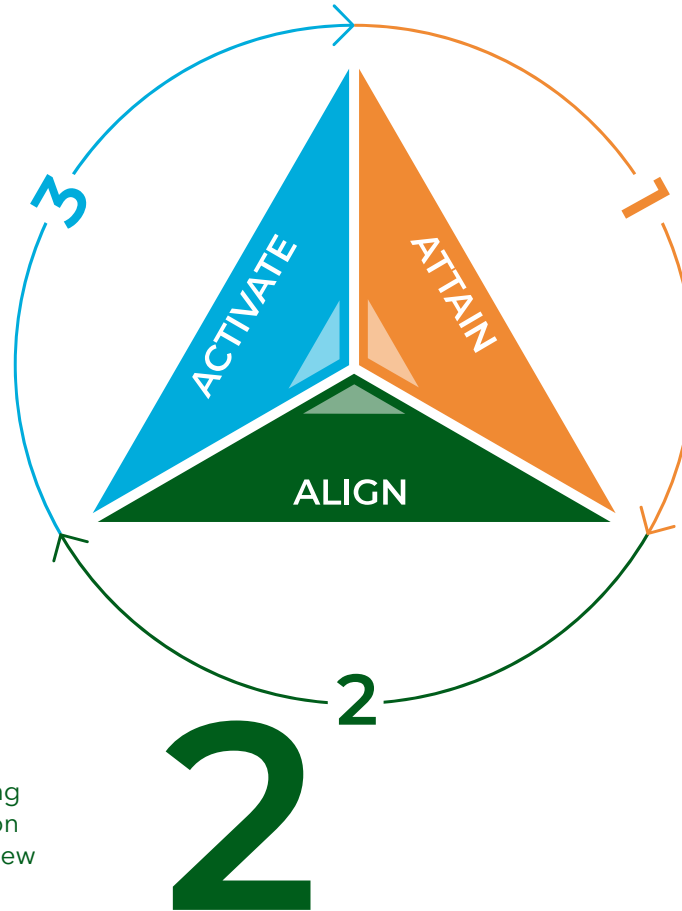
ALIGN:

Scope Guidance
Parameters Framing
Options Exploration
Specifications Review

Mission:

OPTIMIZATION + CLARITY

3



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ATTAIN:

Perspectives Gathering
Value Mapping
Vision Capture
Impact Declarations

Mission:

DISCOVERY + UNDERSTANDING

The Pathway

- Well-orchestrated and successful projects share a common hallmark. They are marked by accurate planning and coordination; deep experience and knowledge; diverse source materials; and an obsession for quality and results. These traits shaped Duo-Gard's vision pathway: **Achieve 360°**.
- Think of **Achieve 360°** as a real-time performance meter and project compass to transform vision into reality.
- The pathway guides stakeholders toward vision achievement through three stages, each with specific gates. As the project progresses along the pathway, architects and contractors experience increased levels of confidence and assurance.
- The pathway is modular, giving clients the flexibility to enter at any stage.

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Duo-Gard is the global leader in design, manufacturing and installation of innovative daylighting solutions and shelters. Discover the difference “together by design” can offer. From vision alignment to advanced design and engineering to total fabrication and installation, you will experience an unmatched level of creativity, trust and partnership.



www.duo-gard.com