



Long Span Cellular Polycarbonate Canopy System

Series 3800 Long-Span mullion-based system is designed to provide for high levels of light transmission. Ideal for stadium applications, polycarbonate technology promotes healthy grass. The system's ability to span long distances reduces costs by minimizing the need for structural steel. The structural capacity allows for architecturally attractive cantilevers. Designed and tested to withstand extreme wind and snow loading conditions.



Design Flexibility



Sustainability



Light Diffusion



Easy Installation

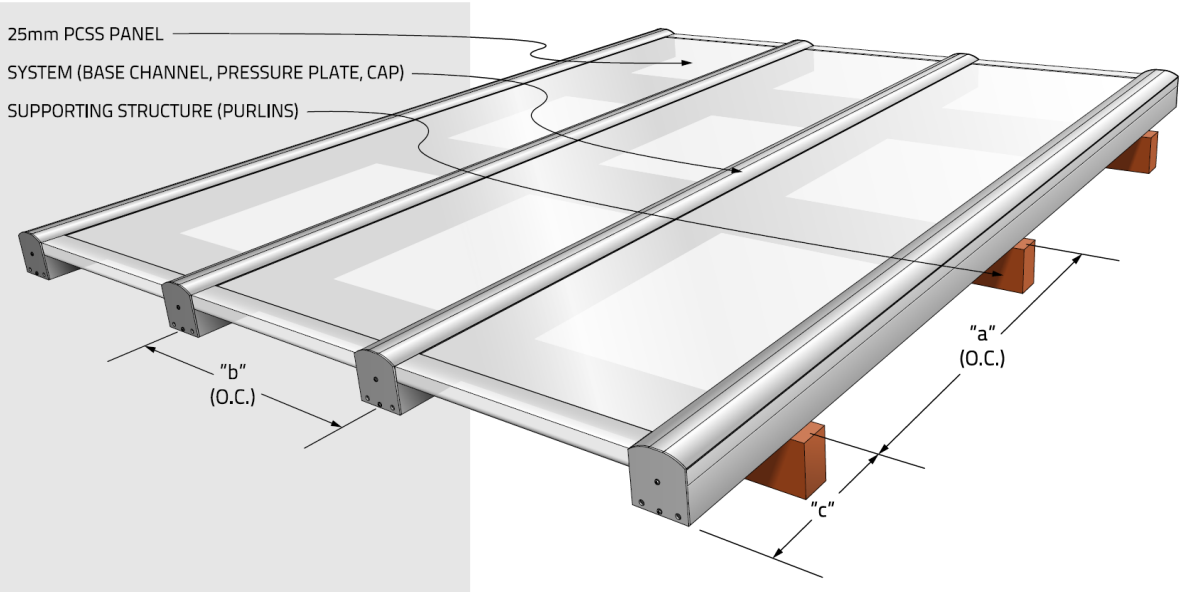


Low Maintenance

- UV stabilization on both sides of the panel provides protection from harmful UV rays
- Low profile polycarbonate end caps provide easy water flow in low pitch applications
- Low profile pressure plate eliminates shadowing
- System accommodates a wide variety of panels and options
- Incorporates a water management system that directs water to the desired location
- Minimizes support purlins
- Cantilevers
- 100% recyclable



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Structural Design Information

Dimension	20 p.s.f	40 p.s.f	80 p.s.f	150 p.s.f
Max O.C. span between purlins "a"	186"	156"	138"	114"
Max O.C. span between mullions "b"	40"	32"	24"	18"
Cantilever "c"	24"	18"	12"	6"
O.C. = on center, all dimensions are in inches	Notes: Spans may change based on final structural review. Figures are based on a multi-span application. Contact Duo-Gard if panel exceeds 24' in length, of for any other questions			
Table is for reference only				

Polycarbonate Panel Performance

25mm Triple Wall Panel Performance			
Panel Color	Bronze	Clear	Opal
Light Transmission*	35%	72%	35%
SHGC	N/A	0.78	0.54
U-Value	0.34	0.34	0.34
*Panels can be altered to control light transmission Blue, green, and custom color information available upon request			





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."



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Achieve 360°

Vision Pursuit Pathway

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ACTIVATE:

Engineering Deployment
Fabrication Execution
Delivery Governance
Installation Supervision

Mission:

FULFILLMENT + TRUST

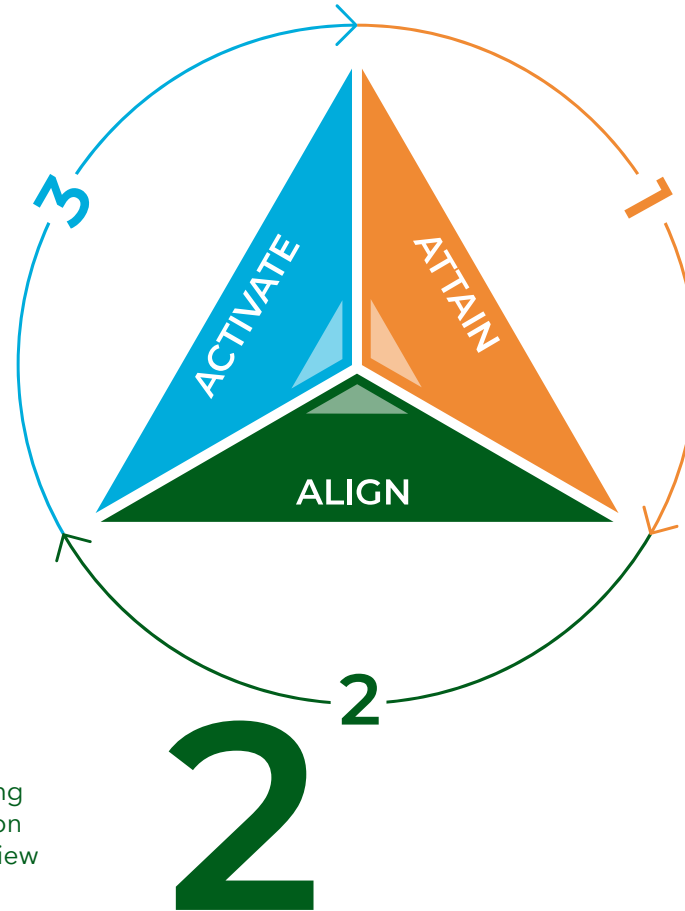
ALIGN:

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.

DUO-GARD

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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