DUO-GARD SERIES 3800 Long-Span System

- UV stabilization on both sides of the panel provides protection from harmful ultraviolet rays
- Low profile polycarbonate end caps provide easy water flow in low pitch environments
- Low profile pressure plate eliminates shadowing
- System accommodates a wide variety of panels and options are selected based on project objectives
- Most of the system includes recycled content
- Incorporates a water management system that directs water to the desired location
Engineered by Duo-Gard
Designed by You
Need a Total Turnkey Option?

Higher performance. Lower cost. Shorter lead time. Optimized material usage. Improved quality assurance. All results of Duo-Gard’s total turnkey approach when you choose this option.

From the ground up, we take responsibility for all this, effectively integrating skin and structure to fabricate the most superior system. All in-house. No outsourcing. No need for it with the major expansion of our in-house fabrication capabilities in both steel and aluminum. This gives us complete control over your project.

The expert engineers and fabricators who exercise that control are specifically trained in working with the unique qualities of polycarbonate glazings and the superior designs of Duo-Gard’s proprietary structural framings. This creates synergies among materials to ensure there’s no waste.

Duo-Gard holds the turnkey that ensures your reality matches your vision. This is only one of the many options supported by our Focused Design approach, which ensures not just the right solutions but the best solutions for your design.
## STRUCTURAL DESIGN

**25mm PCSS PANEL**

**SYSTEM (BASE CHANNEL, PRESSURE PLATE, CAP)**

**SUPPORTING STRUCTURE (PURLINS)**

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<table>
<thead>
<tr>
<th>DIMENSION</th>
<th>20 p.s.f.</th>
<th>40 p.s.f.</th>
<th>80 p.s.f.</th>
<th>150 p.s.f.</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAX. O.C. SPAN BETWEEN PURLINS - &quot;a&quot;</td>
<td>186&quot;</td>
<td>156&quot;</td>
<td>138&quot;</td>
<td>114&quot;</td>
</tr>
<tr>
<td>MAX. O.C. SPAN BETWEEN MULLIONS - &quot;b&quot;</td>
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<td>32&quot;</td>
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<td>18&quot;</td>
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<td>18&quot;</td>
<td>12&quot;</td>
<td>6&quot;</td>
</tr>
</tbody>
</table>

**O.C. = ON CENTER. ALL DIMENSIONS ARE IN INCHES**

*TABLE IS FOR REFERENCE ONLY*

**NOTES:** SPANS MAY CHANGE BASED ON FINAL STRUCTURAL REVIEW. FIGURES ARE BASED ON A MULTISpan APPLICATION. CONTACT DUO-GARD IF PANEL EXCEEDS 24’ IN LENGTH, OR FOR ANY OTHER PROJECT QUESTIONS.