

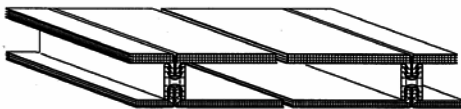
The Most Complete, Versatile and Designer-Friendly Translucent System Available Today



The CPI Pentaglas® Nano-Cell® patented, standing-seam dry-glazed system is available in a variety of daylighting configurations suitable for different requirements and applications as illustrated below:

QuadWall® System

2.75" (70mm) U = 0.23*
(with bat insul U = 0.08 - 0.18)*

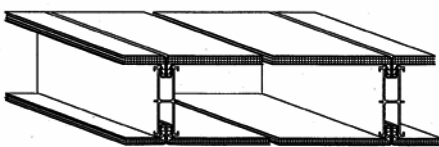


The preferred system for daylighting over enclosed climate controlled spaces; QuadWall is an assembly of two Nano-Cell panels containing a total of seven isolated air spaces. The two-layer design empowers the architect with increased control over light, solar transmittance, colors and insulation levels. QuadWall provides superior performance for the cost over any competitive material. The patented standing seam connector allows the efficient addition of a second layer at a marginal extra cost.

Double layer of protection - The two layers of glazing provide redundant protection of the covered space. The QuadWall system's longevity can be extended indefinitely by replacing exterior glazing panels without exposing the building's interior. In comparison, adding or replacing a double layer on other glazing systems would require significant extra cost and any damage to the exterior face would require intensive repairs that would interrupt the building's function.

QuadWall Longspan System

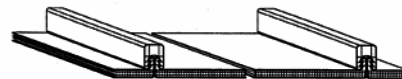
4" (102mm) U = 0.22 - 0.23*
(with bat insul U = 0.08 - 0.18)*



All of the advantages of the QuadWall system, with the addition of aluminum H connectors, allowing the greatest spanning capability. Available in Class A, Class B and Class C fire-rated roof assembly listings.

Pentaglas 12 System

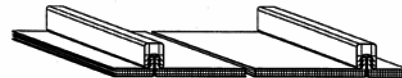
0.47" (12mm) U = 0.48*



Homogeneous insulating panel with **three layers of isolated air spaces** and Nano-Cell spacing due to smaller spans between rib supports (0.16" x 0.16"). This panel style uses Nano-Cell technology for superb performance. Insulating values are comparable to 1" insulated glass but at a reduced cost and weight.

Pentaglas 16 System

0.63" (16mm) U = 0.38*



Homogeneous insulating panel with **five layers of isolated air spaces** and Nano-Cell spacing due to smaller spans between rib supports (0.16" x 0.16"). Extraordinary insulation value comparable to bulky insulated fiberglass panels. Offers improved spanning capabilities and unequalled architectural appeal.

Pentaglas 12mm, 16mm Longspan

0.47" (12mm) U = 0.48*



All of the advantages of the Pentaglas system with the addition of aluminum battens, allowing increased spanning capabilities. Choice of batten accent finishes available to enable a variety of designs.

Introduction to CPI Translucent Panel Systems

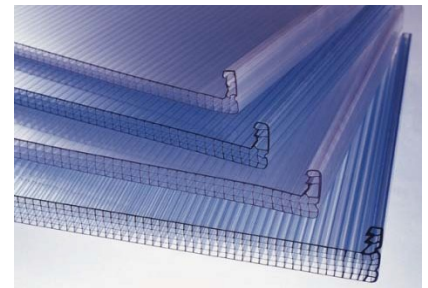


CPI Translucent Daylighting systems, including Pentaglas and QuadWall incorporate the Nano-Cell patented standing-seam polycarbonate panel technology.

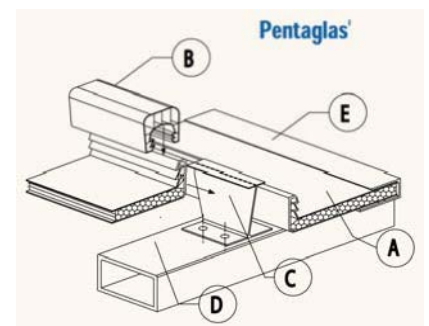
The Heart of the System – The Nano-Cell Difference

What makes the CPI panels' performance unique and effective is the heart of the system. The Nano-Cell system by CPI consists of:

- A. Main polycarbonate panels 2' nominal widths, extruded with Nano-Cell technology and with standing seam 5/8" (15mm) upstands protruding 90° to the panel face
- B. Grip-lock double tooth design of snap-on and interlocking dry-glazed profiles
- C. Concealed patented HD stainless steel and aluminum retention clips utilizing continuous top flanges
- D. Structural supporting systems
- E. Variety of perimeter aluminum engagement profiles

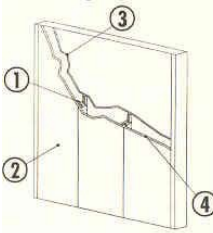


The fully assembled system is free-floating. Every component is free to thermally expand or contract at its own rate along the X, Y and Z axis, eliminating oil canning and delamination difficulties and allowing the material to retain structural properties over the life of the skylight. Structural movement is absorbed within the flexible nature of the system, making skinning directly to steel or wood structures possible.



The entire assembly uses no caulking or adhesives for its performance eliminating the difficulty of sealant and adhesive bond failure common in traditional systems. The Danpalon® system connection and weather seal is mechanical, dry and 100% effective.

The System May be Panelized



QuadWall Panelized Unit

1. Standing-seam, dry-glazed joint – eliminated need for adhesive bond
2. Co-extruded, super weathering architectural face – eliminated need for periodic resurfacing
3. Prismatic Nano-Cell truss-like “smart” design – eliminates need for bat insulation
4. 0.4” self-supporting face – eliminates need for internal aluminum grid supports

