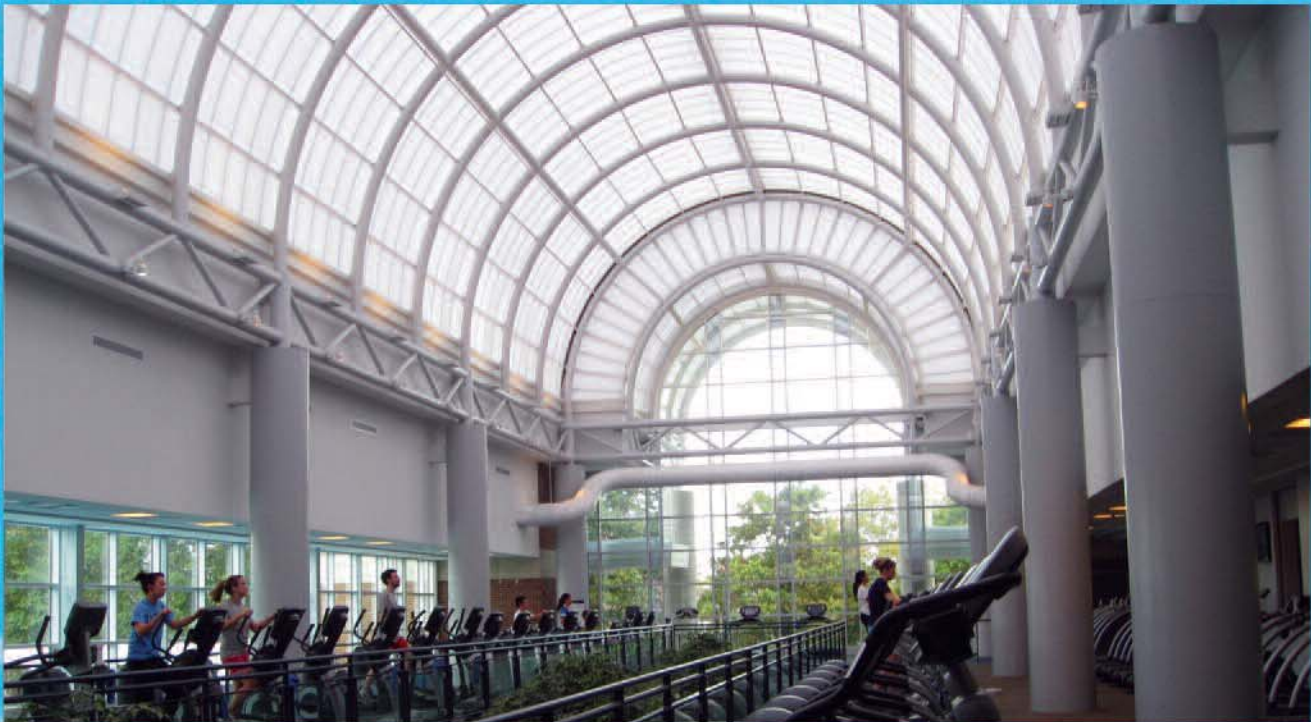


The state of the art in energy saving daylighting systems.

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CPI
DAYLIGHTING
Quality Comes to Light®



**TODAY'S MOST VERSATILE • HIGH PERFORMING • COST EFFECTIVE
ARCHITECTURAL TRANSLUCENT INSULATING DAYLIGHTING SYSTEM!**

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SKYLIGHTS • WALL LIGHTS • CANOPIES AND WALKWAY COVERS • RETROFIT

CPI — The Architect's Daylighting Choice

Many of the world's top architects have chosen CPI translucent daylighting systems to support their most notable designs: ranging from military facilities, schools, universities and athletic facilities, to airports, corporate headquarters, hotels, hospitals and shopping malls. These diverse buildings all share the benefits of quality natural light from **CPI - a world class leader in translucent daylighting.**

CPI's unique glazed panel system, enhanced for performance and appearance, provides more value for your construction dollar than any other translucent system available.



Quality Comes to Light®

Natural light is one of the most important design elements in architecture today. CPI's unique technology gives a designer more control over light than other daylighting systems, while providing stunning designs that will remain contemporary for years to come. No other daylighting company offers the selection of colors, light transmission levels and configurations available from CPI.

Green Construction

CPI Daylighting Systems provide superior insulation and unparalleled energy saving options for use on projects requiring sustainable construction. Significant LEED™ points can be achieved by the introduction of natural daylight into an interior space using CPI Daylighting systems. Contact CPI for assistance with your Green Construction project needs.

ON THE COVER...

Top left: ID 27205 - Third & Pine Parking Garage, Seattle WA
Architect: Sienna Architecture, Portland, OR
Top right: 24863 Univ. North Florida Student Ctr
Architect: Rink Design, Jacksonville, FL
Bottom: 17456 University of IL, Champaign — PE Bldg
Architect: VOA Associates, Chicago, IL



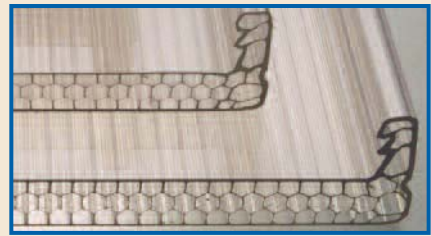
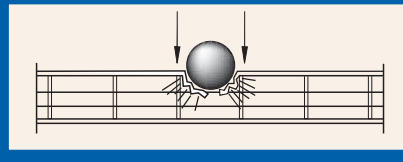
Pentaglas® Systems are made with Nano-Cell® technology, the latest and most advanced system for architectural daylighting applications. CPI Daylighting products ensure that your building envelope is covered by a daylighting system that provides unequalled durability and life safety performance

WHAT IS NANO-CELL® TECHNOLOGY?



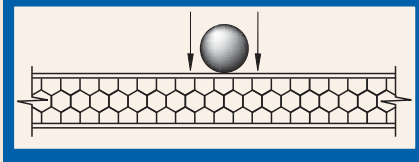
Wide Cell Technology

Standard Polycarbonate Sheet



Nano-Cell® Technology

Pentaglas® System



- Nano-Cell® technology provides precision engineered extrusions with cell sizes smaller than 0.18", up to ten times more cell structure than standard wide cell panels!
- Like a roof with smaller spans between truss supports, the Nano-Cell® panel provides superior long term performance.

What Makes Pentaglas® Nano-Cell® a Unique Architectural Panel?

- Long term resistance to impact and wind loading due to the small cell structure and tightly spaced rib supports
- Superior light diffusion capabilities ensuring excellent quality of natural light
- Refined contemporary look with aesthetic appeal
- Optional Matte Finish for elegant appearance and improved light diffusion
- Environmentally friendly, non toxic 100% recyclable material for Green projects
- Advantages of nature's honeycomb structure
- Internal flexibility to absorb thermal expansion across the panel and in all directions (on the X, Y and Z axis)
- CPI's special heavy duty co-extruded UV protection, not available in other panels
- Single source warranty for a complete translucent dry glazed panel system

Revolutionary Technology - from a Highly Focused Company...

CPI pioneered the use of polycarbonate translucent panels for architectural use two decades ago and has followed up this drive toward innovation by developing specialized architectural products such as standing seam translucent systems, hurricane endurance designs, Class A fire-resistant roof construction panels, the new Pentaglas® honeycomb panel and CPI's latest design - the new Controlite® intelligent daylighting system. Offering comprehensive daylighting solutions from production of raw material to the installation of fabricated systems, CPI can be the sole source for all your daylighting requirements.



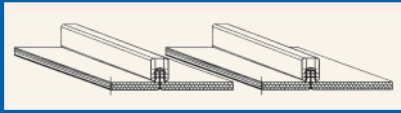
CPI Daylighting Plant, Lake Forest, IL
A variety of Quadwall® systems have been integrated into the building to bring quality light to all work stations and production facilities.

Call 800-759-6985
www.cpidaylighting.com

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

The CPI Danpalon® standing seam, dry-glazing system is available in a variety of daylighting systems suitable for different requirements and applications as illustrated below:

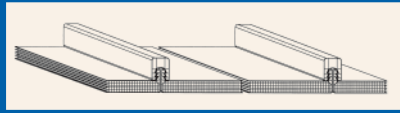
Pentaglas® 12 System



0.47" (12mm)

Homogeneous insulating single panel with *three layers of isolated air spaces* and tight honeycomb cell spacing due to smaller spans between rib supports. Insulating values are comparable to 1" insulated glass but at a reduced cost and weight.

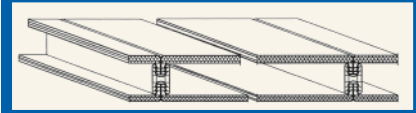
Pentaglas® 16 System



0.63" (16mm)

Homogeneous insulating panel with *five layers of isolated air spaces* and tight multi-cell spacing due to smaller spans between rib supports. Extraordinary insulation value comparable to bulky insulated fiberglass panels. Offers improved spanning capabilities and unequalled architectural appeal.

Quadwall® System



2.75" (70mm)

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

In addition, the second layer strengthens the system's capabilities for protection and durability. The interior and exterior layers are separate skins, facilitating easy replacement of any damaged exterior panels without exposing the building's interior. In comparison, adding or replacing a double layer to other glazing systems requires significant extra cost, and any damage to the exterior face requires intensive repairs that interrupt the building's function.

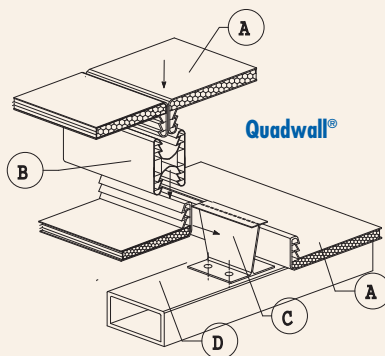
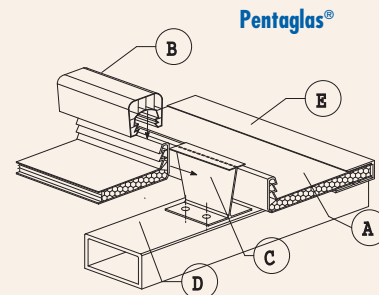
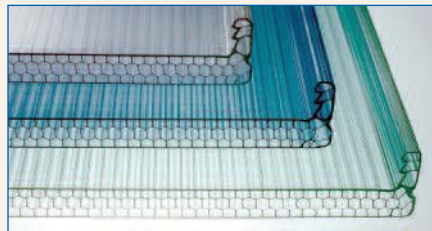
The Heart of the System – the Danpalon® Difference

What makes the Danpalon® system's performance unique and effective is the heart of the system. The Danpalon® system by CPI consists of:

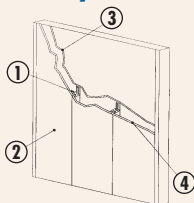
- A. Main polycarbonate panels 2' nominal widths, extruded with standing seam, 5/8" (15mm) upstands protruding 90° to the panel face
- B. A variety of snap-on and interlocking dry-glazed profiles
- C. Concealed heavy duty metal retention clips
- D. Structural supporting systems
- E. A Variety of perimeter aluminum engagement profiles

The fully assembled system is free-floating. Every component is free to thermally expand or contract at its own rate along both the X & Y 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 honeycomb structural core, making skinning directly to steel or wood structures possible.

The entire assembly uses no caulking or adhesives, 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.



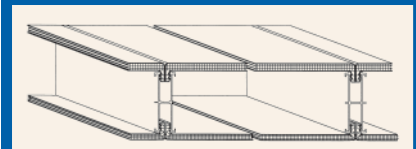
The System May Be Panelized



Quadwall® Panelized Unit

1. Standing seam dry-glazed joint – eliminates need for adhesive bond
2. Co-extruded super-weathering architectural face – eliminates need for periodic resurfacing
3. Prismatic honeycomb "Smart" design – eliminates need for insulation batts
4. 0.4" self-supporting face – eliminates need for internal aluminum grid supports

Quadwall® Longspan System



4" (102mm)

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 Longspan System



0.47" (12mm)

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

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www.cpidaylighting.com

Architects Discover the Pentaglas® Advantage

Code Compliance — Meets requirements of The International IBC code as well as regional UBC and BOCA codes for approved light transmitting materials and/or roof covering systems. Other approvals are available.

Fire Retardant — Danpalon® is a non-aggressively burning material with low smoke development and density, available as CC1 or CC2 classification, and in Class A, B or C flame spread. The material will melt away when subjected to fire, forming venting holes through which smoke, gases and heat are released. During tests, no adverse sheet burning effects were noticed, such as fire spread or burning droplets.

Class “A” Roofing System — (U.S. patented) Fire Rated Quadwall® is the only system of its kind that meets Class “A”, “B” or “C” roof covering system requirements (UL790, E-108), and is listed and labeled as a fire rated panel by a recognized independent laboratory. Unlike other Class “A” panels, Pentaglas® maintains excellent weathering properties.

Hurricane Endurance Design — CPI offers an innovative design that complies with Florida codes for hurricane conditions including resistance of impact, cyclic and windload, and air/water infiltration.

Visual Appeal — The honeycomb panel technology provides a visually pleasing glazing surface that is divided into small modules. The standing seam is an excellent design alternative to large, monotonous glazing fields. Quadwall® also offers a flat surface with 2' module panels. In addition, a choice of polycarbonate or aluminum standing seam battens can be accented by a selection of colors.

Stunning Light Quality — The Pentaglas® honeycomb structure diffuses a greater quantity of pleasing light over a broader area with no glare or hot spots.

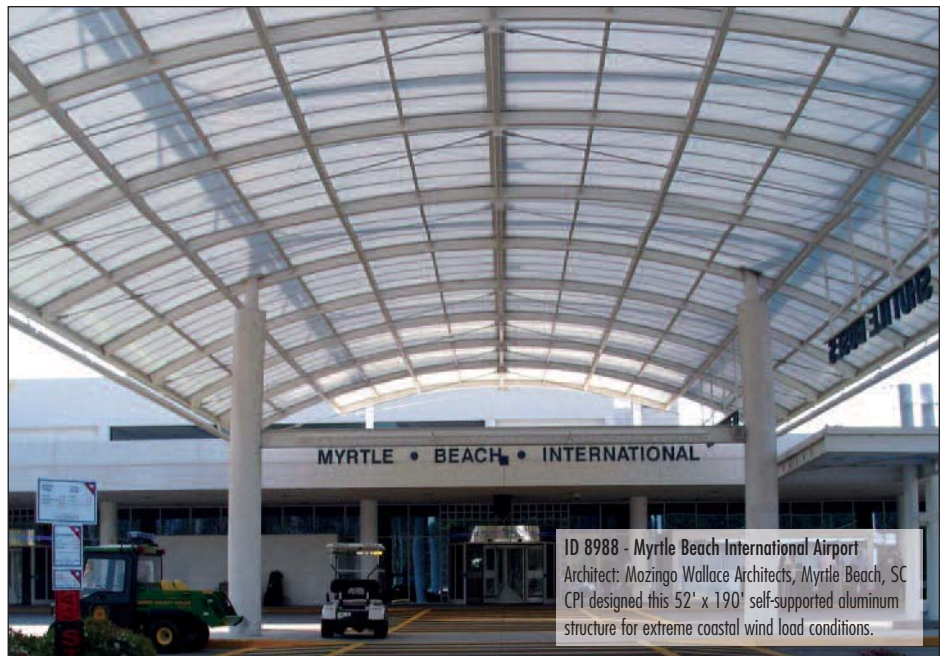
High Light Levels — A wide range of light levels, from 3% to 80%, with a broad range of shading coefficients. *Pentaglas® delivers more light per insulation level than traditional composite systems.*

High Insulation — High levels of insulation are achieved without use of fiberglass batts, which compress, lose values and reduce light transmission. Pentaglas® exhibits improved condensation resistance due to an inherent thermally broken structure. The high thermal transfer occurring at the aluminum grid in fiberglass composite panel systems is also eliminated.

Glazing Options — A wide selection of colors are available in standard or matte finish to allow complementary exterior and interior panels. Allows optimizing of Light and Solar transmission and aesthetic appeal.

Metallic Reflective — Colors offer a perfect blend with other modern materials and enhance solar performance.

Color Stability — The high quality polycarbonate UV composition and co-extruded technology delivers a color-stable panel that will not delaminate, discolor, craze, or fiberbloom.



ID 8988 - Myrtle Beach International Airport
Architect: Mazingo Wallace Architects, Myrtle Beach, SC
CPI designed this 52' x 190' self-supported aluminum structure for extreme coastal wind load conditions.

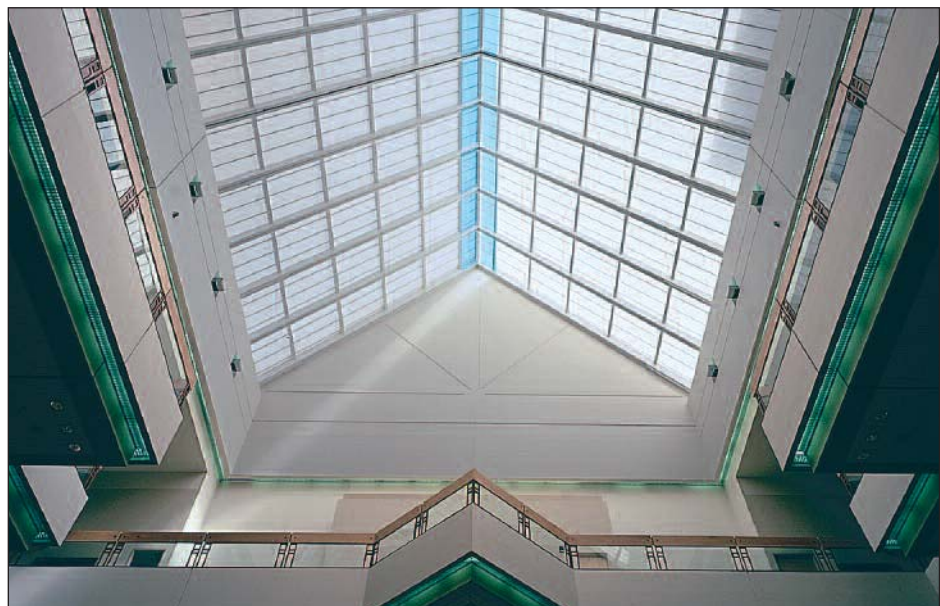


Still Performs as New after 10+ Years in South Florida!!

ID 661 - Seminole Town Center, Sanford, FL
Architect: William Graves Architects, Inc., Dallas, TX



ID 9036 - American Hebrew Academy, Greensborough, NC
Skylight with Class A Roof Construction configuration
Architect: Aaron G Green Associates, San Francisco, CA



ID 373 - Brook Army Medical Center, Fort Sam Houston, TX
Architect: HKS, Dallas, TX



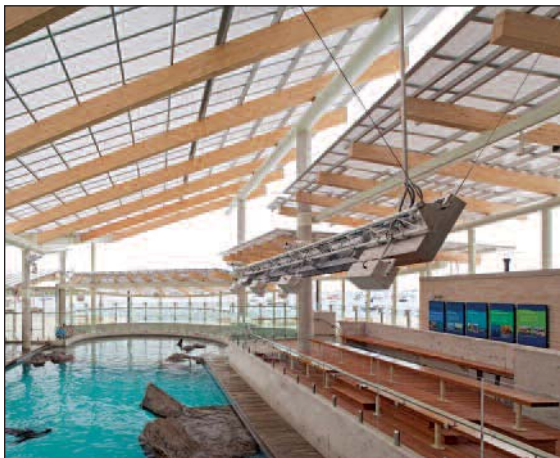
ID 6028 – JFK Airport AirTrain Stations, New York, NY
 Architect: STV Inc., New York, NY
 Contractor: Sordoni Skanska, New York, NY

Quadwall® structural half-round barrel vault skylights totaling over 60,000 SF cover 9 terminals served by the new JFK Airport AirTrain system. CPI met the complex design and installation challenge of lifting the fabricated barrel vaults to a high structure in a very busy construction environment under severe time constraints. CPI's seamless translucent system with no internal grid complements the "tech look" of the JFK terminal design, and provides excellent natural light and thermal protection. Glazing: Quadwall® white over white.



ID 7331 – Guangzhou Stadiums, China
 Architects & Engineers: ADPI Paul Andreu, Architect, Paris France

CPI met the international design challenge of three gigantic translucent oval shaped domes, built for the Chinese National Games. Over 300,000 SF of Danpalon® Quadwall® glazing system provides a perfect soft quality of light to suit athletic events and television broadcasting requirements.



ID 24210 - New England Aquarium Marine Mammal Center, Boston, MA
 Architect: McManus Architects, Cambridge, MA

Clearspan Canopies and Walkway Covers

Single source responsibility for entire system from the ground up



ID 16855 - Lowes Corporate Headquarters, Mooresville, NC
Architect: CJM&W Architects, Winston-Salem, NC



ID 18212 - Springfield Urgent Care Center, Springfield, IL Architect: John Shafer & Associates, Springfield, IL

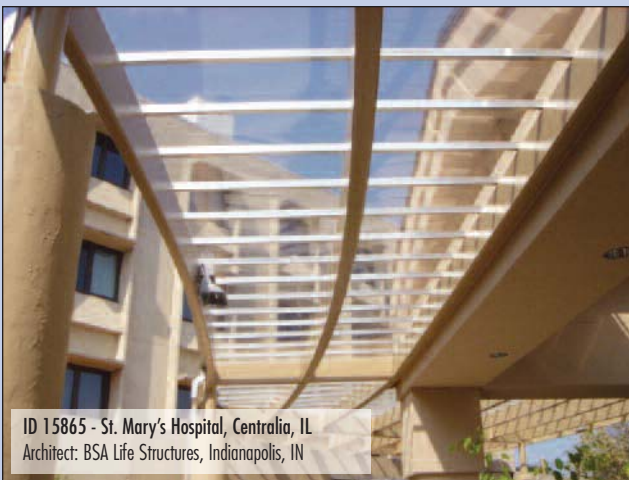
LiteBrow™ Suspended Translucent Sun Screens



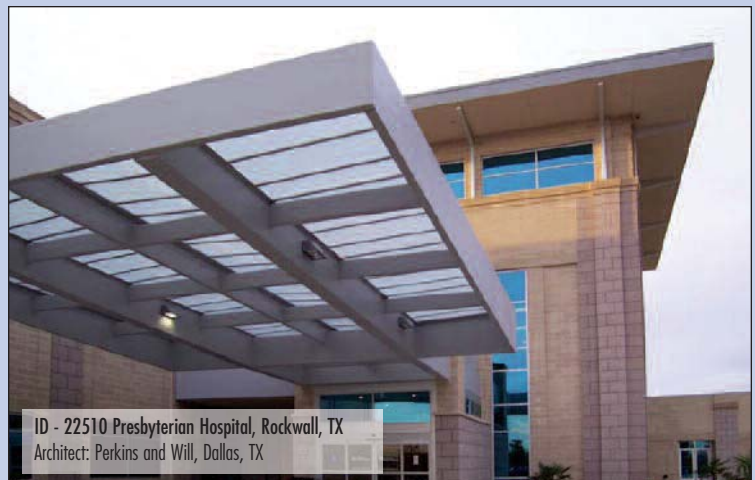
ID 20809 - Moanalua Shopping Center, Honolulu, HI Architect: Design Partners Inc., Honolulu, HI



U-Lite™ Transparent or Translucent Monolithic Polycarbonate Panel System for Low Slope Canopy Applications (less than 2:12 pitch).



ID 15865 - St. Mary's Hospital, Centralia, IL
Architect: BSA Life Structures, Indianapolis, IN



ID - 22510 Presbyterian Hospital, Rockwall, TX
Architect: Perkins and Will, Dallas, TX

Custom CPI Canopies & Walkway Covers



ID 28138 - Translucent Walkway Cover for an amusement park, Orlando, FL
Architects: Gwathmey Siegel & Associates, New York, NY; Glover-Smith-Bode, Inc., Oklahoma City, OK
CPI used U-Lite™ to construct this self-supporting aluminum skylight. This challenging project links old and new hotels with a winding walkway.



ID 17988 - Speed School, Chicago Heights, IL
Architect: Detella Planera Paukner Architects, Olympia Fields, IL
CPI self-supporting drop-off canopy.



ID 15987 - Amarillo Airport, Amarillo, TX Architect: Reynolds, Smith and Hills Inc, Jacksonville, FL
CPI provided the entire system from the ground up.



ID 24112 - Murray Medical Center, Chatsworth, GA
Architect: Estopinal Group Inc., Jeffersonville, IN



ID 24359 - UPMC Passavant Hospital, Pittsburgh, PA Architect: Burt Hill Kosar Rittlemann Architects, Butler, PA
CPI provided the entire structure from the ground up. The various monumental aluminum self-supporting entrance canopies span 20 feet wide by 500 feet long.



ID 13279 - Mission Valley East Light Rail Station, San Diego, CA
Architect: Parson Architects
This light rail drop-off canopy consists of 9,000 SF of Pentaglas® 12.

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TRANSLUCENT CANOPIES AND WALKWAY COVERS

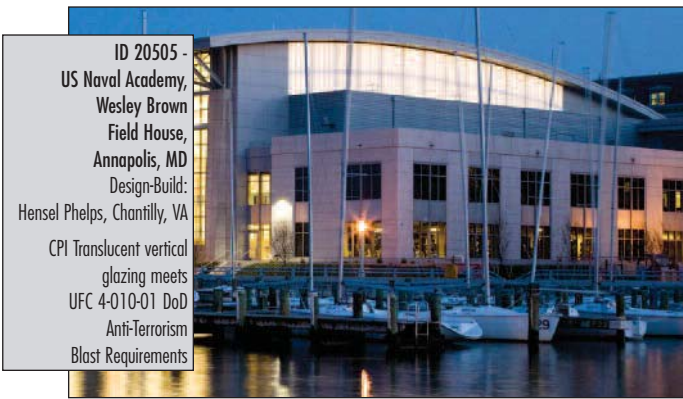
LiteWall™ Wall and Vertical Glazing Systems



ID 22759 - JQH Arena, University of Missouri, Springfield, MO

Architect: Ellerbe Becket, Inc., Kansas City, MO

CPI designed and manufactured a flush look system with 22,000 SF of reflective gray translucent Quadwall® glazing. The glazing system blends seamlessly with the building envelope during the day and provides a signature aesthetic when backlit.



ID 20505 - US Naval Academy, Wesley Brown Field House, Annapolis, MD
 Design-Build: Hensel Phelps, Chantilly, VA
 CPI Translucent vertical glazing meets UFC 4-010-01 DoD Anti-Terrorism Blast Requirements



ID 19001 - National Guard Unit Training

Equipment Site, Annaville, PA

Architect: JE Jacobs, Arlington, VA

Over 27,000 SF of vertical glazing installed.



ID 663 - Stevenson High School, Lincolnshire, IL

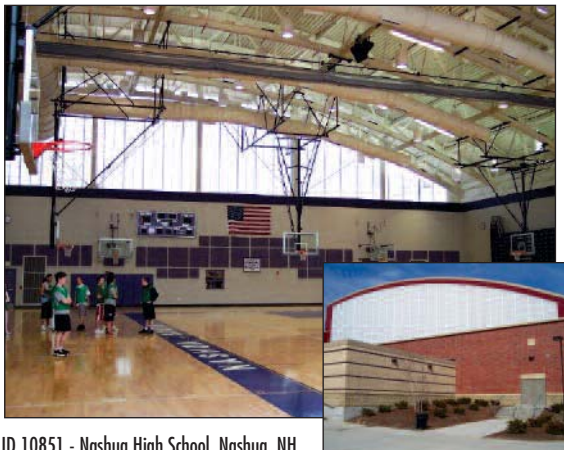
Architect: OWP&P Architects, Chicago, IL

Designed as a panelized Quadwall® Vertical Glazing system in 8' modules, the panels introduce natural daylight into the school gym and corridors.

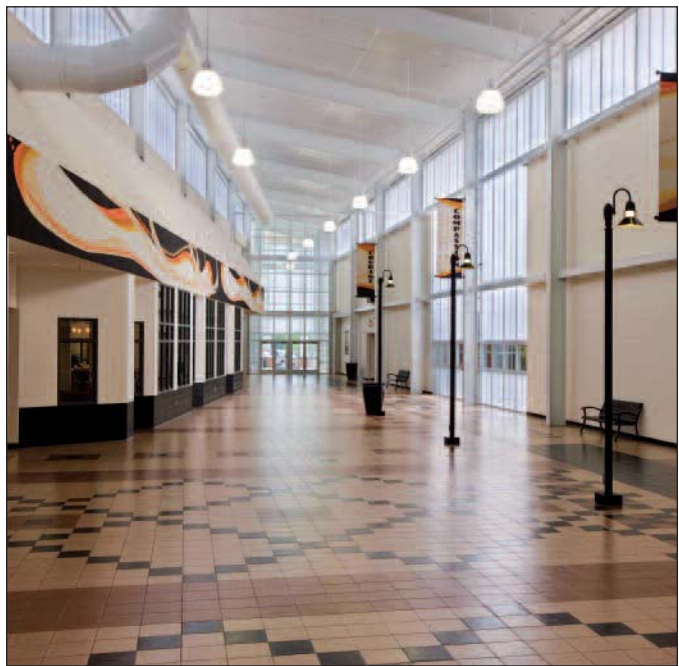


Pentaglas® glazing can provide a flush exterior surface and introduces pleasant natural daylight into the interior space.





ID 10851 - Nashua High School, Nashua, NH
 Architect: Lavelle Bresinger Architects, Manchester, NH
 CPI provided 6,400 SF of Quadwall® LiteWall™ panelized in 6' modules.



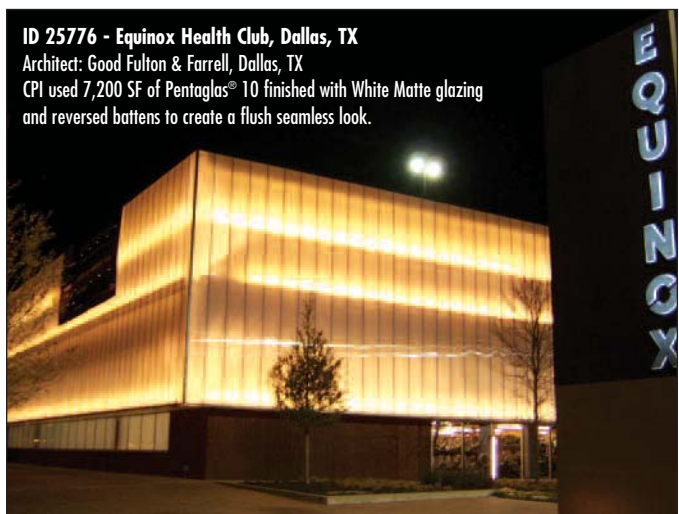
ID 20272 - Ferris High School, Ferris, TX Architect: Rabe & Partners Architects, Austin, TX
 CPI provided 7,000 SF of panelized Quadwall® glazing system in 4' modules that were integrated with CPI's glass windows.



ID 11279 - The Accelerated School, Los Angeles, CA
 Architect: Marmol Radziner & Associates, Santa Monica, CA
 CPI provided 14,000 SF of Pentaglas® 12 & 16 LiteWall™.



ID 27205 - Third & Pine Parking Garage, Seattle WA
 Architect: Sienna Architecture, Portland, OR
 CPI provided 24,000 SF of Pentaglas® 10 finished with Ice White Matte glazing to clad an existing 8-story open parking garage. The glazing system and use of reversed battens created an aesthetically pleasing flush look to compliment the heart of downtown Seattle.



ID 25776 - Equinox Health Club, Dallas, TX
 Architect: Good Fulton & Farrell, Dallas, TX
 CPI used 7,200 SF of Pentaglas® 10 finished with White Matte glazing and reversed battens to create a flush seamless look.

Retrofit Systems for Overglazing, Replacement and Reglazing

Exciting and Intelligent Systems to Bring CPI's Modern Technology to Yesterday's Buildings

Now there are simple and effective systems designed to replace or envelop dated or damaged daylighting systems. CPI retrofit systems can be used to:

- Eliminate leakage in old skylighting systems.
- Improve insulation in older single-glazed daylighting systems.
- Significantly reduce air infiltration in old glazing systems.
- Reclaim light that has been lost due to aging fiberglass systems.
- Improve security in old vertical and sloped systems.

Overglaze – Enveloping Leaking Skylights or Vertical Glazing

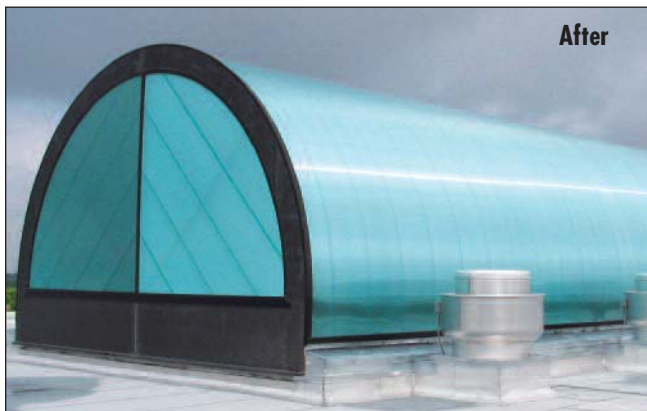
Pentaglas® systems can be designed to envelop leaking acrylic or glass systems. The source of the leakage is removed from the elements by floating a new skin over the existing structure and glazing. The new light-transmitting skin creates a complete and permanent waterproof membrane, ensuring a leakproof seal and an affordable solution.



Before



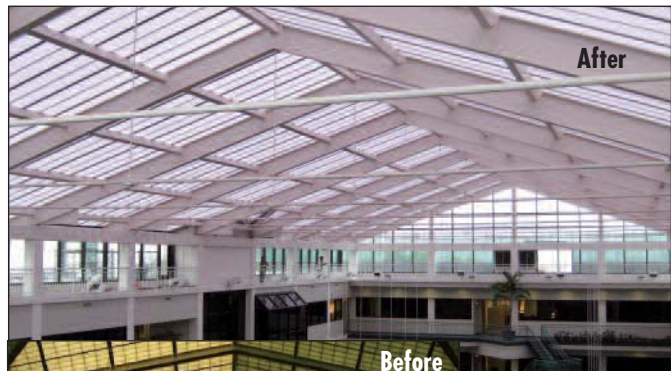
During



After

ID 14649 - University of Texas Pan AM, Edinburg, TX Architect: Architect Mida, McAllen, TX
CPI used 34' long panels of dry-glazed Quadwall® system to replace an old deteriorated glazing system and eliminate previous horizontal joints causing leakage.

Replacement of Deteriorated Fiberglass Sandwich Panels



After



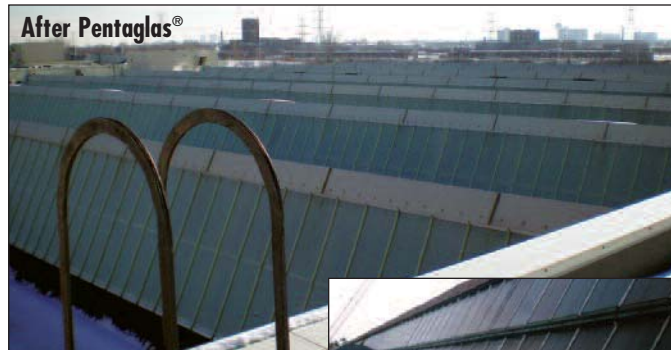
Before

ID 21392 - SAS Institute Building R, Raleigh, NC
Architect: David Kane Architects, Raleigh, NC

This 90' x 204' translucent fiberglass Atrium skylight was leaking and yellowing despite its short

existence in North Carolina weather. CPI's long-term solution improved light levels, quality of light and appearance by providing a 4" panelized Quadwall® system without horizontal transverse connections from the sill to the ridge.

Replacement of Deteriorated Glass Monitor Skylights



After Pentaglas®

ID 2206 - Skokie CTA Shops, Chicago, IL
Architect: STV Architects, Chicago, IL
CPI overglazed an existing aged single-pane wire glass system consisting of 7 rows of glass monitors each 9' tall x 200' long.



Before Pentaglas®

Replacement of Failed Vertical Glass Systems

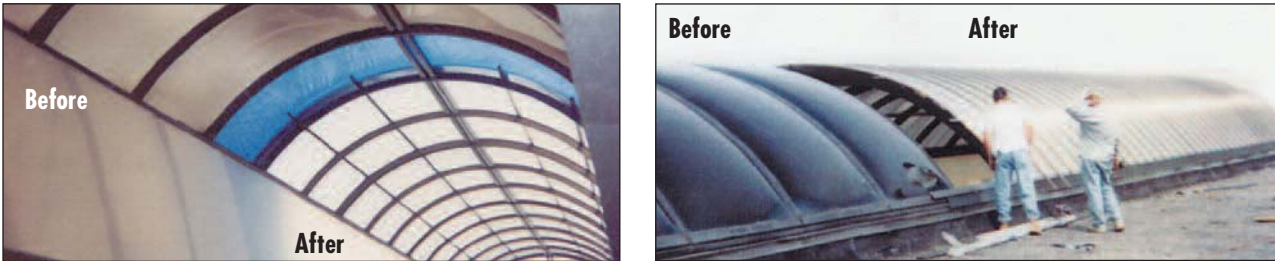


ID 13242 - Prime Osborne Convention Ctr., Jacksonville, FL Architect: Manousa Lewis & Dodson Architects, Tallahassee, FL CPI replaced an old failed leaking glass skylight with a Quadwall® system and retrofitted the existing structure. Skinning the structure with one continuous panel system from the sill to the apex eliminated any transverse connections.

Replacement of Deteriorated Acrylic/Plastic Skylights

A retrofit bronze Pentaglas® glaze skylight measuring 20' x 113' was used by Meharry Medical College to replace a 20 year old skylight which was leaking and dark. The bronze Pentaglas®

provides significantly more light than the previous dark bronze acrylic panels and the watertight design prevents future leaks.

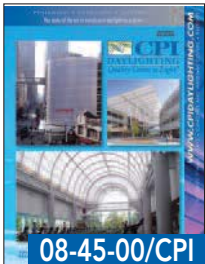


ID 3062 – Meharry Medical College, TN
Moody & Noland LTD, Inc. Architects

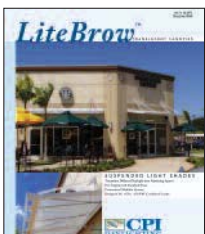


ID 9228 - Hazlewood East High School, St. Louis, MO CPI provided a solution to two clusters of leaking acrylic skylights by creating a heat-bent ridge skylight over one flat area of the skylight clusters and a single slope skin system over the other existing skylight clusters.

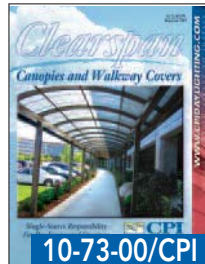
Translucent Monumental Skylights & LiteWall™



LiteBrow™ Suspended Translucent Sun Screens



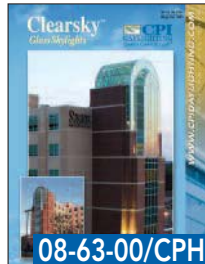
Translucent Canopies & Walkway Covers



U-Lite™/Solarview LRV Solid Plastic Systems



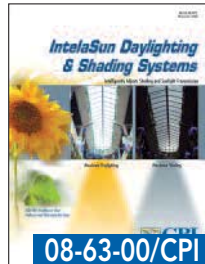
Clearsky Glass Skylights



Translucent Fire Rated Class A Roof System



InteluSun Daylighting Systems



Standard Products/MegaSky & Fastrak



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Test Data and Technical Summary

Since CPI Pentaglas® and Quadwall® systems provide great design flexibility, test data shall be interpreted in the final configuration. Please consult our Technical Service Department for clarification on your specific design requirements. Test reports are available upon request.

Thermal and Light Performance

The following data is for combinations shown. Many others are available. Light transmission, color tints, and insulation levels may be provided to achieve other desired values.

Pentaglas® 12mm/ 0.47" Panels			Quadwall® 70mm/2.75" Panels		
"U" factor per NFRC 100 = 0.48 "U" per European Calc. = 0.32			"U" factor per NFRC 100 = 0.24 "U" per European Calc. = 0.17		
Color	LT% ²	SC ³	Exterior/Interior ¹	LT% ²	SC ³
Clear	71%	0.80	Clear/Clear	56%	0.55
Ice White	66%	0.75	Clear/Clear Matte	52%	0.48
White	38%	0.48	Ice White/Clear Matte	44%	0.43
Green	64%	0.78	Ice White/IW Matte	38%	0.40
Blue	60%	0.77	Clear/White Matte	19%	0.21
Bronze	57%	0.74	Ice White/White Matte	17%	0.20
Dk Reflective Gray	20%	0.55	White/White Matte	7%	0.16
			Green/IW Matte	37%	0.40
			Refl Gray/Clear Matte	16%	0.18
			Ice White/IW Matte*	20%	0.35
Pentaglas® 16mm/ 0.63" Panels			*Class A with batt insulation to "U" = 0.15		
"U" factor per NFRC 100 = 0.38 "U" per European Calc. = 0.27					
Color	LT% ²	SC ³			
Clear	58%	0.62			
Ice White	47%	0.53			
White	24%	0.37			
Green	41%	0.56			
Blue	41%	0.58			

(1) Exterior - 0.40" thick panels over Interior 0.32" or 0.40" thick panels
(2) LT per ASTM E972-88
(3) SC-Shading Coefficient per NFRC/ASTM Colorimeter Standard

Data for some configurations are calculated based on tests.

This data provides a relative indication, for comparison purposes only, of the various glazing combinations. For Additional Thermal & Light Performance Data Visit WWW.CPIDAYLIGHTING.COM

Ask about CPI's New Low-E Glazing



Class "A" Burning Brand Test-Burning Brand (12" x 12" x 2 1/4" Lumber per ASTM E-108), placed on the surface of CPI Quadwall® Class "A" Panel.

No adverse burning effects, such as fire spread or burning droplets were noticed.



Committed to Fire Safety



Continuing Education

Link at WWW.CPIDAYLIGHTING.COM
For One Hour AIA HSW CEU Credit

Hurricane Endurance Designs – (U.S. patented)

Durable Pentaglas® special assemblies feature an innovative design that complies with the Florida Building Code for hurricane conditions including resistance of impact, cyclic winds, wind loads, and air/water infiltration. (Florida Approval # FL6475 and Dade County NOA #05-1207.01)

Warranty Danpalon® FR provides a 10-year limited warranty against loss of light, color change, and penetration by hail as defined in the individual warranties. Details of limited warranty available upon request.

CPI Daylighting, Inc. is engaged in continuing research to improve its products. Therefore, the right is reserved to modify or change material in this brochure without notice. This is descriptive literature and does not constitute warranties, expressed or implied. For statement of warranty, contact CPI Daylighting, Inc.

Test Description	Test Procedure	Results & Comments
1. Flammability		
• Self-Ignition	ASTM 1929-3	1000°F
• Smoke Density of Plastic	ASTM D-2843	54%
• Burning Extent	ASTM D-635	CCI rating
• Interior Flame Spread and Smoke Development	ASTM E-84, UL 723 CAN/ULC, S102.2-M88	Class A rating is standard Class B, C (I, II, III) is available
• Exterior Class "A" Roof Construction—Optional	ASTM E-108, UL 790/UBC 32-7	A special Quadwall® configuration is listed and labeled for Class "A" rating by independent recognized laboratory; Class "B" or "C" are available
2. Weathering		
• 10 Yrs Actual Florida Exposure Evaluation	ASTM E330 & E695 ASTM E1886 & E1996	No Failures - Weathered Panels Performed as new in all testing including impact and wind loading
• Weathering Evaluation	ASTM D4364-84	Successful exposure to concentrated natural sunlight radiation of 56000 MJ/M ² (1540MJ/M ² of U.V.) at New River Site, Arizona
• Color Change	ASTM D2244	No more than 3.0 units Delta E after 60 months
• Yellowing Index	ASTM D1925	No more than 10 points after 60 months
• Light Transmission	ASTM D1003	Shall not decrease more than 6% after 10 years
• Heat Exposure Evaluation (weathering effect - tendency for potential failure)	300°F, 25 mins.	The interior and exterior faces do not darken more than 0 units Delta L/ASTM D2244, 0 units yellowing index/ASTM D1925 and 0% light transmission/ASTM D 1003
3. Water Penetration	ASTM E-331	No penetration of dry glazed joint at test pressure of 12 psf
4. Air Infiltration	ASTM E-283	0.042 SCFM/ft. of dry glazed joint at test pressure of 12 psf
5. Impact and Cyclic Loading	ASTM E-1996-02 & ASTM E-1886-97 ASTM E-822-81 SPI method B	350 ft. lbs. Successfully tested at missile level D and cyclic wind loading Panel repels hailstones of 1-3/16" at velocity 82"/sec. - No penetration 220 ft. lbs.
6. Accelerated Delamination (Chapter 42 of UBC Code)	300°F, 25 mins. & sub-zero temp.	The faces do not become readily detached No delamination occurs under load
7. "U" Factor	ASTM C-236/NFRC	0.48 to 0.10 (as required)* per NFRC 100-91.
8. Shading Coefficient	ASTM/ASHRAE/NFRC	0.10 to 0.85 (as required)*
9. Expansion/Contraction	Linear thermal expansion	0.0000375 in/in/°F
10. Code Compliance	ICC Evaluation UBC/BOCA Florida Building Code	See ICC Reports #ER-4798 and #94160A Various other local approvals available Approvals #FL6475, FL6599, FL6600, Dade County #05-1207.01
11. OSHA Compliance	29 CFR 1910, 23 (e) (8)	300 Lb. point load with no damage
12. Impact Loading	ASTM E 695-03	500 ft. lbs.
13. Quality Standard	SI ISO 9002	Danpalon® complies with Quality Management Standard SI ISO 9002 certificate #10700*
14. UV Protection		Pentaglas® glazing provides extruded UV protection on both sides of the panel. Does not require periodic re-coating to maintain performance.
15. Panel Sizes & Weights		Modular width is 600mm/23 11/16" (2' nominal). Length - up to 13400mm/44' in a single panel Weight - 0.5-1.5 lb./ft ² dependent upon final configuration

*Refer to technical information available on the CPI web site: WWW.CPIDAYLIGHTING.COM and consult our technical service department. Whenever reference is made to fire tests, the numerical rating is not intended to reflect hazards presented by this or any other material under actual fire conditions.



Dade County Acceptance
#05-1207.01

See ICC Reports
#ER-4798 & #94160A



Custom Quadwall® assemblies conform to U.S. Government approvals:

Forced Entry Resistance
per SD-STD-01.01

DoD Anti terrorism force
protection per UFC-4-010-01



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CPI Representatives throughout the USA and internationally are ready to serve your daylighting needs. For immediate assistance from your local sales representative call 1-800-759-6985.