

NATURAL LIGHT INNOVATIONS

by Crystal Structures



Structural Skylights

ABOUT US



THE CLEAR CHOICE



Crystal Structures was founded in 2006 as the commercial division of Sunshine Rooms, Inc. Based in Wichita, Kansas, Crystal Structures works with many of the largest general contractors and prestigious architectural firms throughout the United States.

Crystal Structures has evolved into a true single-source supplier that designs and manufactures skylights for installation nationwide.

Crystal Structures designs, engineers, fabricates and installs just about any type of sloped glazing project. In fact, over 25,000 Crystal Structures projects have been completed across the United States and in several foreign countries.

Our extensive experience in commercial skylights and glass structures gives us the expertise and clarity your commercial project needs to be successful. We sincerely appreciate you taking the time to explore our products.





CAVALIER HOTEL

SKYLIGHT REPLACEMENT

Location: Virginia Beach VA

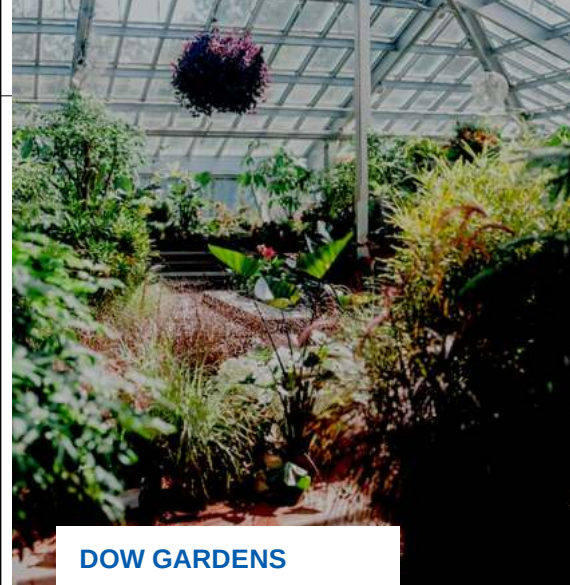
Contractor: WM Jordan Company

Architect: Hanbury, Evans, Wright

& Latta

1.

Just a few of
**Our
Best**



DOW GARDENS

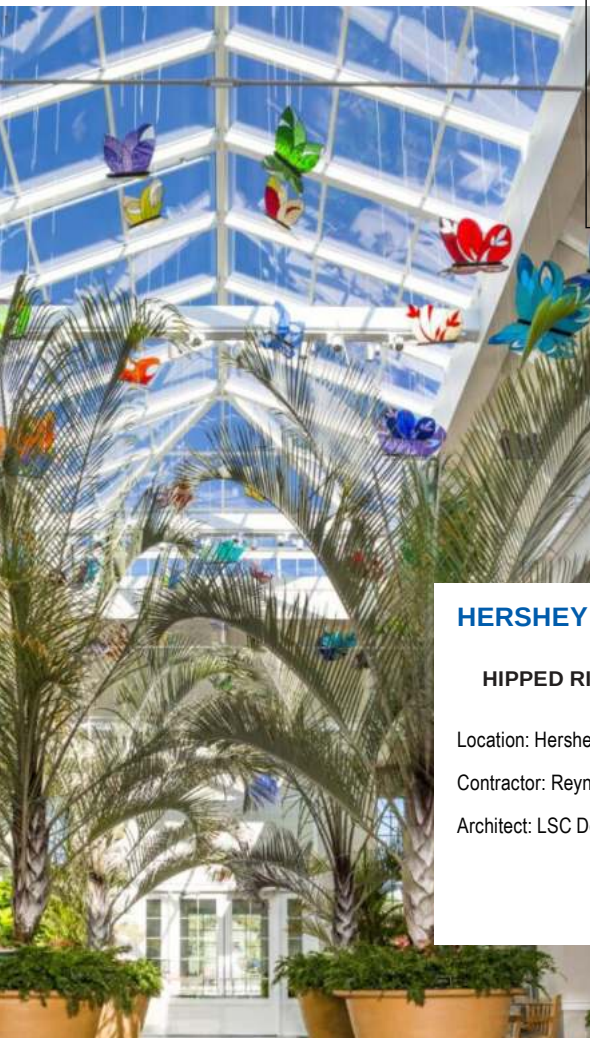
SKY ROOF

Location: Midland MI

General Contractor: Serenus Johnson Construction

Architect: WTA Architects

2.



HERSHEY GARDENS

HIPPED RIDGELIGHT

Location: Hershey, PA

Contractor: Reynolds Construction

Architect: LSC Design

3.

OLD FORESTER

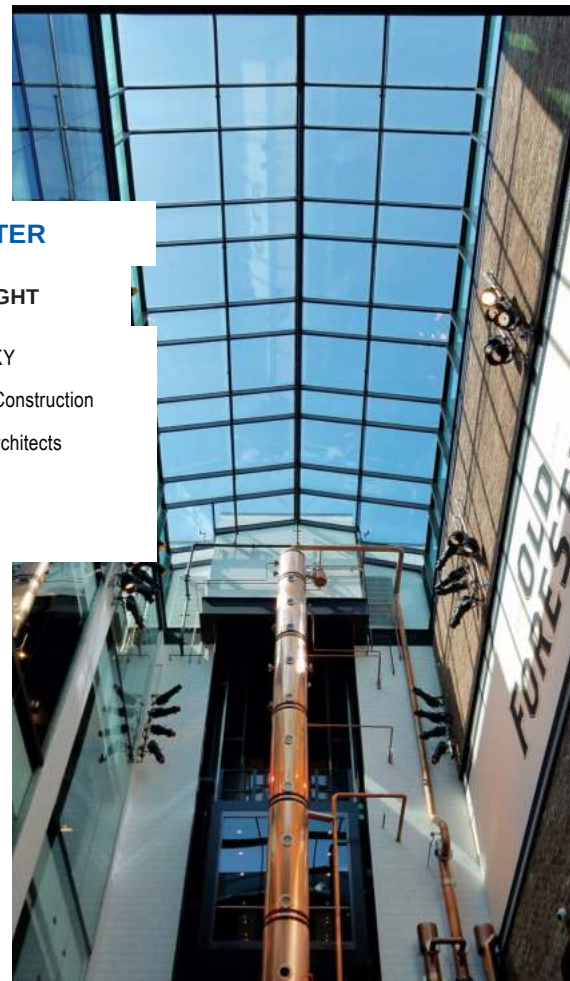
RIDGELIGHT

Location: Louisville KY

Contractor: Messer Construction

Architect: Bravura Architects

4.





SANFORD IMAGINETICS

SKY ROOF

Location: Sioux Falls SD
 Contractor: Henry Carlson Company
 Architect: Koch & Hazard



STICKNEY WTP

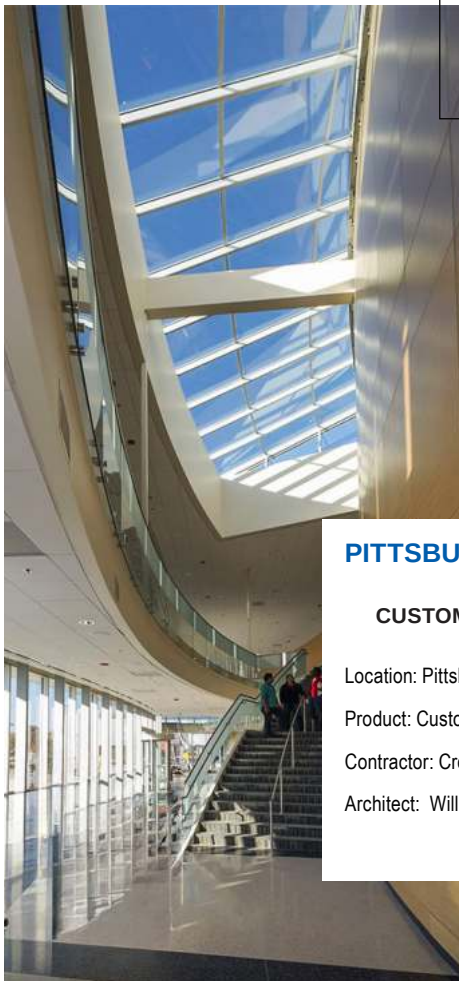
CLERESTORIES

Location: Chicago IL
 Contractor: IHC Construction

5.

Just a few of
**Our
 Best**

6.



PITTSBURG STATE U

CUSTOM SKYLIGHT

Location: Pittsburg KS
 Product: Custom curved skylight
 Contractor: Crossland Construction
 Architect: William Rawn Associates

7.



TOYOTA N. AMERICA

CUSTOM OVAL

Location: Plano, TX
 Architect: Corgan Architects
 Contractor: Austin Commercial LLC

8.

Structural Skylights



NATURAL LIGHT

Skylights are an excellent way to infuse your commercial projects with natural daylight. Not only does natural light enhance aesthetics, but it offers sustainability, energy savings, and benefits for human health and productivity.

Strategically placed skylights can brighten indoor spaces, reducing the need for artificial lighting during daylight hours. Unlike wall-mounted windows, skylights don't occupy premium wall space, making them ideal for warehouses, interior spaces, and buildings with limited exterior access. With minimal maintenance required, skylights provide long-lasting daylighting solutions. New technologies, like solar-powered and LED skylights, offer advanced functionality. By incorporating thoughtfully designed skylights into your commercial projects, you can create brighter, more inviting spaces.

Endless Possibilities



Smooth lines, beautiful finishes

Connections and fasteners are concealed for a smooth finish. Baked enamel, flouropolymer, and anodized finishes satisfy any aesthetic preference. Frames are painted with an electrostatic process which meets AAMA specifications. Standard colors are bronze, white, and almond. Custom colors available.

Structural Integrity



Large spans, impressive views with heavy structural systems that allow spans up to 30' (based on local building codes). Bay widths up to 60".

Structural members are made of high-strength 6061-T6 or 6005-T5 extruded aluminum alloys.

Energy Performance



Thermally broken frames to stop exterior metal from touching interior metal, significantly reducing the transfer of heat and cold.

Wide bays significantly reduce energy costs by creating less edge surface.

We offer many glazing options as well.

Complete Support



Drawings, specs, photos and details in convenient formats, and more, can be on your desk immediately - just give us a call or email.

Architectural specifications cover 265 standard models and unlimited custom shapes and sizes.

Structural Skylights



HERITAGE SERIES

Historical buildings deserve faithful restorations that honor their original craftsmanship and architectural details. For decades, Crystal Structures has specialized in the accurate renovation of heritage skylights to revive their beauty while meeting modern standards.

Our Heritage Skylight Series reproduces the shapes, components, and styling of skylights from past eras. Whether your project features hipped ridgelights, faceted domes, pyramids, sawtooth designs, wire glass, or other historical elements, we can recreate them with care and expertise.

Restoring the Past



CUTTING EDGE

GLAZING

Advanced glazing improves performance and efficiency while laminated layers enhance safety, though sightlines and geometry stay true to heritage architecture.



CONFIGURATION

METICULOUS DETAILS

Skylights are meticulously recreated to match original designs, with structural frames meeting modern codes and finishes replicating materials like copper cladding.



COMPONENTS

ACCURATE REPRODUCTIONS

The Heritage Skylight Series accurately reproduces the shapes, styling, and components of skylights from past eras like hipped ridgelights, wire glass, and faceted domes.

Structural Skylights



REMOVABLE SKYLIGHTS

The Galaxy Removable Skylights are the perfect answer for those applications where natural lighting is desired, but access to the interior's large equipment is also a requirement.

Crystal Structures offers a range of "lift-off" styles including the popular pyramid, ridgelights, hipped ridgelights and custom configurations. These can be made with glass but are frequently constructed with polycarbonate to allow daylight while being lighter than a glass skylight.

Providing Access



FIRE RESISTANT

ASTM RATED



GLAZING

HIGH-IMPACT



DAYLIGHTING

LIGHT TRANSMISSION

The skylights have ASTM E84 Class A Flame Spread Rating, as well as an ASTM D635 Class CCI Burn Rate

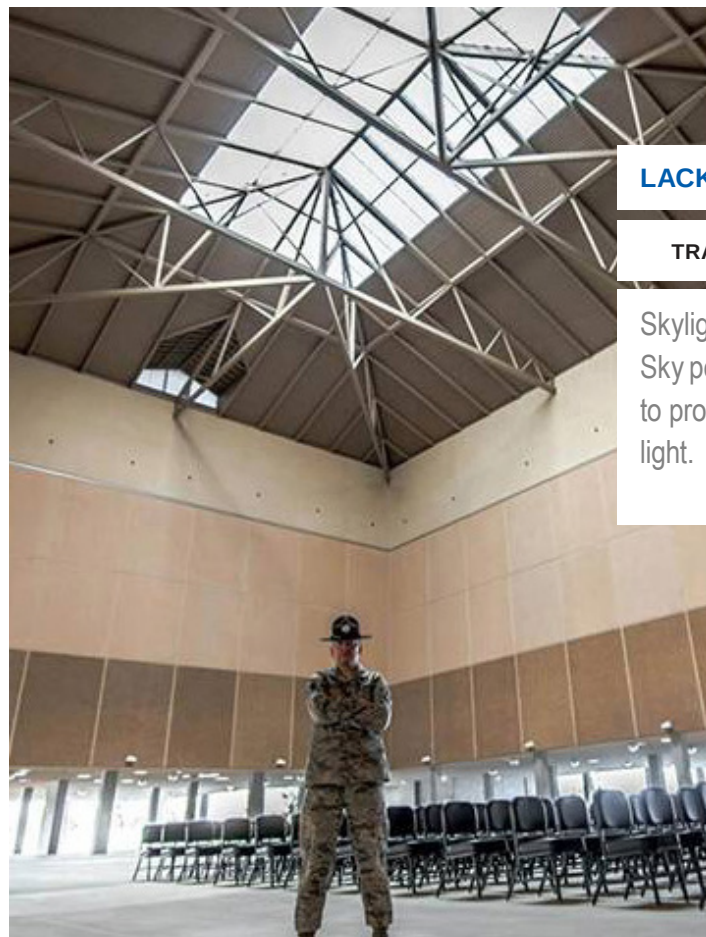
High-impact, hail-resistant polycarbonate glazing in a variety of sizes and configurations

The multi-wall opal polycarbonate has a light transmission rate of 40%, Solar Heat Gain Coefficient of .39, and a U-value of .26

Structural Skylights

Polycarbonate

POLYCARBONATE GLAZING PROVIDES
THE BEAUTY OF NATURAL DAYLIGHT
YET IS MORE COST-EFFECTIVE.



LACKLAND AFB

TRAINING FACILITY

Skylight features Thermal Sky polycarbonate glazing to provide diffused natural light.



GROOVER LABS

SKYQUEST WITH POLY

Skylight replacing fiberglass with long-lasting polycarbonate using SkyQuest framing.

A durable alternative to glass

The word “polycarbonate” might make you think of industrial-looking buildings with poorly distributed light diffusion. But recent technologies have revolutionized this type of glazing, resulting in a desirable and customizable option for architectural projects.

Polycarbonate is a strong, lightweight plastic material that has many uses in architecture and construction. It is known for its durability and transparency and is often used as a substitute for glass in building projects. Some of the key advantages of using polycarbonate in construction include its resistance to impact, UV radiation blocking, and extreme temperatures, as well as its ease of shaping and installation.

In recent years, advances in technology have made it possible to produce polycarbonate with improved properties, such as increased fire resistance and improved insulation. These developments have made polycarbonate an increasingly popular material for use in a wide range of construction projects, from windows and skylights to walls and even large airplane hangar doors.

Many manufacturers, Crystal Structures included, rely on polycarbonate as an option for rigid glazing in a variety of applications due to the ease of handling during installation and cost-effectiveness as a rigid covering.

Contact



CRYSTAL STRUCTURES
3333 N. MEAD - WICHITA KS

Phone: 316.838.0033

CrystalStructuresGlazing.com