



Super Sky





Light positively affects every environment, and its presence in building structures enhances visual quality, enjoyment, and safety. **Super Sky Products Enterprises, LLC**, the recognized leader in the commercial skylight industry, sets the standard, creates architectural traditions, and establishes the principles for skylighting excellence. With the successful completion of over 11,000 projects worldwide, Super Sky provides assistance, solutions, and products to create visually aesthetic environments; and, continues to research and develop new methods and products. Our systems/services include:

- Glass Aluminum Framed
- Point Supported Glazing (PSG)
- Hurricane / Impact Rated
- Blast Resistant
- Photovoltaic
- Polycarbonate
- Repair/Renovation of ANY Existing Skylights

(front cover)

ALFOND INN AT ROLLINS COLLEGE

Winter Park, FL

Architect: Baker Barrios Architects, Inc.





CHURCHVILLE-CHILI SENIOR HIGH SCHOOL
(Above and Left)

Churchville, NY

Architect: SEI Design Group



Super Sky Products Enterprises, LLC earned its exceptional performance reputation, along with the designation of “*preferred choice*” by architects, contractors, and property owners. Super Sky reviews every facet/phase of a project from conceptual/preliminary design through its highly-skilled labor centers...engineering, fabrication, and installation. Super Sky has never failed to complete a project, from the first skylight installed in 1929 to the most complex/monumental projects of the 21st century. The use of Super Sky’s systems, contribute to U.S. Green Building Council’s LEED® Green Building Certification System for natural daylighting, providing high-quality light, while reducing energy use for heating and cooling.





De ANZA COLLEGE - MEDIA & LEARNING CENTER

Cupertino, CA

Architect: Ratcliff Architects



CHOCTAW CASINO RESORT - GRANT

Grant, OK

Architect: Rees Associates, Inc.



BASS PRO SHOPS AT THE PYRAMID

Memphis, TN

Architect: O.T. Marshall Architects

Mass
to
shops

UNLIMITED
HERITAGE CENTER

World

REDHEAD
REAL WOOD ANGE





COLLEGE OF NEW JERSEY / BROWER STUDENT CENTER
Ewing Township, NJ *Architect: TBS Services, Inc.*

Super Sky Products Enterprises, LLC is innovative in its approach to designing, manufacturing, and installing its skylight systems.

Multi-talented staff provides design assistance/ expertise on projects ranging from basic designs to groundbreaking/complex engineered systems. Investment in high-tech equipment provides “precision manufacturing,” and ensures “customer satisfaction”, as well as “on-time delivery schedules.”

Super Sky’s advanced CAD/CAM system facilitates production; and, the direct connection to the CNC machining centers enables technicians to cut and prepare skylight components to precise dimensions while digitally storing the information.



FISH & THE KNIFE SUSHI BAR AND LOUNGE
Houston, TX *Architect: HC Architects & Associates*





THE WATERFALL

Claymont, DE

Architect: Design Collaborative, Inc.

Super Sky Products Enterprises, LLC's structural systems utilize tubular or I-beam aluminum extrusions. Framing is available in a variety of standard or custom shapes and sizes to ensure each project's aesthetic and structural requirements.

Super Sky's standard glazing system consists of retainers and snap-on caps that attach and secure the glass

to the sloping rafters. To prohibit water infiltration from occurring, a high-performance "wet seal" is applied; and, horizontal joints are flush-glazed to ensure water tightness.

Super Sky's proprietary 4-sided silicone system, with concealed mechanical fasteners resulting in no exposed caps, provides "total flush glazing."



DICKINSON COLLEGE / KLINE CENTER

Carlisle, PA

Architect: CannonDesign



COLORADO SCHOOL OF MINES / GEORGE R. BROWN HALL
(Above Left and Right)



Golden, CO

Architect: AndersonMasonDale Architects









WMS GAMING, INC. NEW CORPORATE HEADQUARTERS
(Above and Below)

Chicago, IL

Architect: Solomon Cordwell Buenz



Super Sky Products Enterprises, LLC's assists architectural firms to ensure skylight systems meet current building standards and, selectively works with specified suppliers to manufacture and provide the "envisioned" skylight system.



PENN FAMILY MEDICINE SOUTHERN CHESTER COUNTY

West Grove, PA Architect: Array Architects
(Above and Below)



REI RETAIL STORE Round Rock, TX
Architect: Enviroplan Architects and Planners



MARGOT AND BILL WINSPEAR OPERA HOUSE
Dallas, TX Architect: Kendall/Heaton Associates, Inc.





HAMPTON INN & SUITES

Owensboro, KY

Architect: LLW Architects, Inc.

From the conceptual planning stage to final installation, Super Sky Products Enterprises, LLC is the preeminent “single-source” skylight manufacturer. To validate and confirm the superior workmanship of each project, a manufacturer’s warranty on materials, construction, and leakage is furnished.

Super Sky’s worldwide team of highly-trained technical sales representatives are available to offer assistance, as well as provide extensive information/resources.

Contact a Super Sky representative
for more information:
www.supersky.com



STANFORD UNIVERSITY / SHRIRAM CENTER FOR BIOENGINEERING & CHEMICAL ENGINEERING

Architect: Bora Architects

Stanford, CA









SSM ST. MARY'S HEALTH CENTER / EMERGENCY DEPARTMENT RENOVATION

Architect: Lawrence Group

Richmond Heights, MO



Super Sky has many years of experience incorporating unique skylight accessories including:

- Cladding (right)
- Glazed finials
- Gutters
- Insulated metal panels
- Louvers
- Operable vents
- Removable units for machine maintenance
- Snow guards
- Sunscreens
- Trellises (next page)

Contact Super Sky during your project design stage for assistance in coordinating these unique features.



LOS ANGELES INTERNATIONAL AIRPORT / BRADLEY WEST INTERNATIONAL TERMINAL

Los Angeles, CA

Architects: Pentress Architects

Photo by: Evan Patrick Kelly



LORAIN COUNTY COMMUNITY COLLEGE / SMART CAMPUS CONNECTION

Elyria, OH





Hurricane Impact Rated Systems: Super Sky currently holds four Miami-Dade County NOA's (Notice of Acceptance) for impact rated skylight systems. These products are required not only in Miami-Dade County, Florida; but, in most of Florida, and virtually every coastal area from Texas to Maine, when a skylight is part of the building envelope.

Impact rated products are required in states governed by the IBC, when a project is within one mile of the coast, and the design wind speed is 110 mph or higher. They are also required in any area where the wind speed is 120 mph or higher, even if the job is not within one mile of the coast.

Current NOA numbers can be found on:
www.supersky.com

Blast Resistant Systems: Design requirements have become more prevalent in the construction industry. Although primarily specified for government and defense sectors, the need for blast resistant systems extends to public gathering places. Super Sky takes pride in reaching these challenges by engineering systems to meet the various threat level requirements.

Construction of blast compliant systems consists of highly complex framing and connections back to the support structure. Glass thickness is confirmed with level of threat and is fully capped with secondary structural sealants.





LOUIS ARMSTRONG NEW ORLEANS INTERNATIONAL AIRPORT / CONCOURSE D

Architect: Sizeler Thompson Brown Architects

New Orleans, LA



Building Integrated Photovoltaics (BIPV) systems consist of integrating photovoltaics modules into a skylight system. While simultaneously serving as building envelope material and power generator, BIPV systems can provide savings in materials and electrical costs, reduce use of fossil fuels and emission of ozone depleting gases, and add architectural aesthetics to any building.

Super Sky's specialists provide design and geometry possibilities for BIPV systems; including, but not limited to, vast array of options for single slope, ridge, pyramid, canopy, and walkway skylighting. Super Sky's BIPV specialists ensure the integrity of the supporting aluminum framework, proper skylight glazing, and intricate details are implemented seamlessly to support and protect the photovoltaic skylight system while providing a flawless watertight seal.

Super Sky has worked with Underwriters Laboratories (UL) to help develop their new category "Building Integrated Photovoltaic Mounting Systems" (QHZZ). Super Sky is also the first company to have an approved UL Classified BIPV mounting system, and the UL classification File Number is E247515.





Super Sky's Polycarbonate Systems consists of THE EDGE®, and Standing Seam. These systems can be utilized for both sloped (minimum 2:12) and vertical applications.

THE EDGE® (*photo right*) is a single layer skin system that can mount directly on steel-supported structures, or glazed to Super Sky's standard aluminum extrusions to accommodate larger spanning systems.

Super Sky's polycarbonate Standing Seam System (*photo below*) can be installed with the polycarbonate batten caps exposed to the exterior. If a flushed exterior appearance is desired, the system can be reversed by utilizing optional aluminum battens. This option is perfect for applications requiring materials which offer high light transmission, thermal insulation, light-in-weight but strong, high shock resistance, flame retardant, great economy, vandal resistance, and design flexibility.



THE SUMMIT INDEPENDENT & ASSISTED LIVING FACILITY PHASE I

Hockessin, DE

Architect: Kimmel Borgrette Architecture + Site



WEST VALLEY COLLEGE / CAMPUS CENTER MODERNIZATION

Architect: BFGC Architects Planners, Inc.

Saratoga, CA



Point Supported Glass (PSG) systems offer a reduction of visible barriers by eliminating the need for additional support framing to capture the glass. Precision fabricated glass, which is fitted with stainless steel spiders and rotules, can be designed to complement any building entrance or façade. A variety of attachment orientations are available to meet design needs.







DOWNTOWN SUMMERLIN

Las Vegas, NV

Architect: Altoon Partners



WAKE FOREST BAPTIST HEALTH / BRENNER CHILDREN'S HOSPITAL / EMERGENCY DEPARTMENT

Winston-Salem, NC

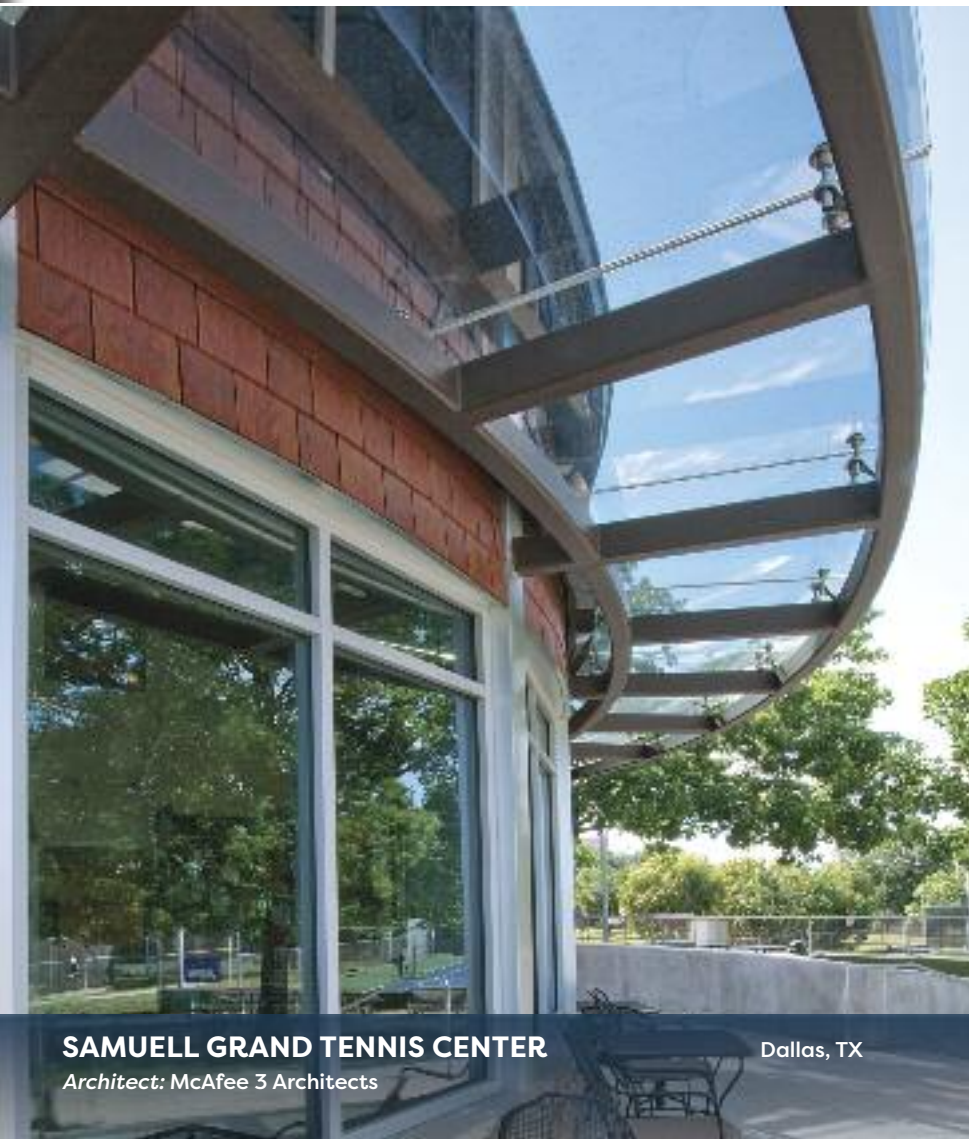
Architect: HKS, Inc.



MÜHLBAUER, INC.

Newport News, VA

Architect: ARCI Architects



SAMUELL GRAND TENNIS CENTER

Architect: McAfee 3 Architects

Dallas, TX

Unique Features

- Glass and supports are structurally analyzed to ensure adequate glass strength.
- Rotules can either be countersunk or buttonhead.
- Stainless steel spiders with standard satin finish (premium finishes available).
- Minimum glass thickness $1\frac{3}{16}$ " laminated.
- Minimum interlayer thickness 060".
- All glass lites fully tempered and heat soaked.
- Polished exposed glass edges.



In addition to manufacturing custom skylights and sloped glazing systems, Super Sky Products Enterprises, LLC offers highly-skilled repair, renovation, and replacement services.

Contact Super Sky for all skylight related repairs, no matter the original fabricator/installer. A highly-qualified technician will be assigned to correct the problem areas, and ensure that the structural integrity, aesthetic appeal, energy efficiency, and leak resistant capabilities of the structure are maintained.

It all starts with an inspection/evaluation by a Super Sky expert technician.

- Repair:** Elimination of leaks, Replace broken glass, Onsite water testing
- Recaulk:** Removal of existing sealant and reseal. Options include: new caps, retainers, gaskets, wet seals, and flush-glazed horizontal joints. New five (5) year warranty against leakage.
- Reglaze:** New high performance, laminated/insulated safety glazing, New caps, retainers, gaskets, wet seals and flush glazed horizontal joints. New five (5) year warranty against leakage.
- Replace:** Skylight replacement should be considered when existing skylight structures are unable to be salvaged and may not meet today's building codes.

John G. Shedd Aquarium

Chicago, IL

Built in 1930. Super Sky was selected to resolve complex leakage and structural problems on this historic building, and return the facility to optimum operational condition, eliminate safety hazards, and maintain the architectural integrity of the edifice.

Skylight Details:

- Dome skylight measuring 75'-0" in diameter positioned over the main atrium of the building.
- After years of exposure, the original 1/4" single layer wire glass was cracked, broken and had little thermal resistance.
- The original framework was in a dire state of deterioration, and the supporting steel was rusted, a problematic situation that resulted in serious leakage issues.

Replacement Details:

- High humidity and condensation required Super Sky to custom design a thermally broken, 4-sided flush glazed skylight system with large internal gutters.
- Custom aluminum extrusions were utilized at each crossbar to simulate the original "lapped glass" look of the skylight.
- Glazed with high performance insulated/laminated Low "E" safety glazing.
- A special lifting rig was built at the dome hips to elevate the heavy ornamental cresting, allowing access to the steel below so it could be refurbished and painted.





The radiussed roof structure, which runs the entire length of the main Indianapolis bus transportation office and garage facility, was in disrepair.

Skylight Details:

- The structure measures 20'-0" wide x 730'-0" long and consists of a combination of flat vertical insulated metal panels, curved insulated metal panels (totaling 1603 panels) and 113 lites of 1" insulated glass.
- Metal panels were missing the original white finish.
- Glass units were fogged due to failed edge seals.

Renovation Details:

- All existing metal panels were clad over with new 12-gauge aluminum panels finished with a matching 70% PVDF white finish.
- All 1" glass units, system pressure plates and weather seals were removed and replaced.
- All exterior sheet metal trim was either replaced or field painted back to the original deep green finish.
- All pressure plate trim caps were replaced with new materials.



Cincinnati/Northern Kentucky International Airport Terminal Complex

Hebron, KY



Existing ridge skylights, on three separate terminals, were renovated by replacing the caps, flashing and caulking. During Super Sky's in-depth inspection, the glass was determined to be intact and did not require replacement.

Skylight Details:

- Ridge units with segmented domed ends, sitting on short-vertical walls around the entire perimeter of each unit.
- Skylight area totaling 12,500 sq. ft.

Renovation Details:

- All new pressure plates, caps, silicone gaskets and fasteners were installed.
- Sill flashing was replaced with 26-gauge stainless steel, redesigned with a positive slope to the exterior sill.
- The redesign provided room to apply a continuous seal between the bottom of the sill and the new flashing, preventing water infiltration.

Trump International Hotel at the Old Post Office

Washington, DC

Opened in 1899 as the Old Post Office, the building has undergone a series of uses throughout the years. A Clock Tower, which at 315 feet, remains the second tallest building in the city, providing panoramic views of Washington, DC.



Skylight Details:

- A long ridge skylight with hipped ends and triangular gable ends measuring 97'-0" wide x 182'-0", long sits atop the nine-story open atrium.
- The original 891 lites of $\frac{1}{4}$ " clear monolithic glass no longer met overhead glazing codes and were so dirty that they significantly reduced the amount of light coming through and were thermally inefficient.

Renovation Details:

- Due to the relatively shallow depth of the existing aluminum I-beam framing members, the replacement glass thickness was limited to $\frac{7}{16}$ " in order to reduce the additional dead load on the system.
- New Low-E laminated glass, pressure plates, trim caps, continuous silicone seals and flashing were installed. A thorough cleaning of the guttering and weepage system brought new life and much needed light to this future 5-star hotel.



Holiday Inn

Manitowoc, WI



The existing skylight over the main atrium of the hotel entrance was reglazed by Super Sky to eliminate leakage problems, as well as improve the aesthetic appearance of the area.

Skylight Details:

- Single Slope measuring 36'-0" X 52'-0" with two vertical side walls on each side of the main slope.
- The existing skylight and side lites had seal failures that left the glass lites fogged and opaque.

Renovation Details:

- Extensive field measuring and project coordination.
- Glass replaced with tinted insulated/laminated, high-performance Low "E" glazing.
- Existing framework cleaned and new gaskets were installed.
- Original horizontal pressure plates were eliminated in favor of new flush silicone joints (promoting the flow of water).
- New pressure plates, trim caps, and painted aluminum flashing were installed.

This unique building, set into a wooded landscape, is in stark contrast to the surrounding deep green pines with its white walls and angled surfaces of dark, almost black, glass.

Skylight Details:

- There are a total of 71 vertical and sloped glazed surfaces (totaling 9,000 sq.ft.) that help define the architecture of this building, all of which were in need of renovation.
- Over time, leaks developed from failing seals and glass lites became stained with dirt.
- In the past, glass was replaced with mismatched tints, and many layers of caulk were applied in an attempt to keep the interior dry.

Renovation Details:

- All 891 lites of glass were replaced with high-performance glazing.
- All new transition flashing was installed.
- Horizontal pressure plates were replaced with flush silicone joints to promote better water shedding, and eliminate trapping of pine needles.





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Photography by William Lemke
(Unless otherwise noted)