

CASE STUDY: CUSTOM GEOMETRIC SKYLIGHT AS AN ARCHITECTURAL FOCAL POINT

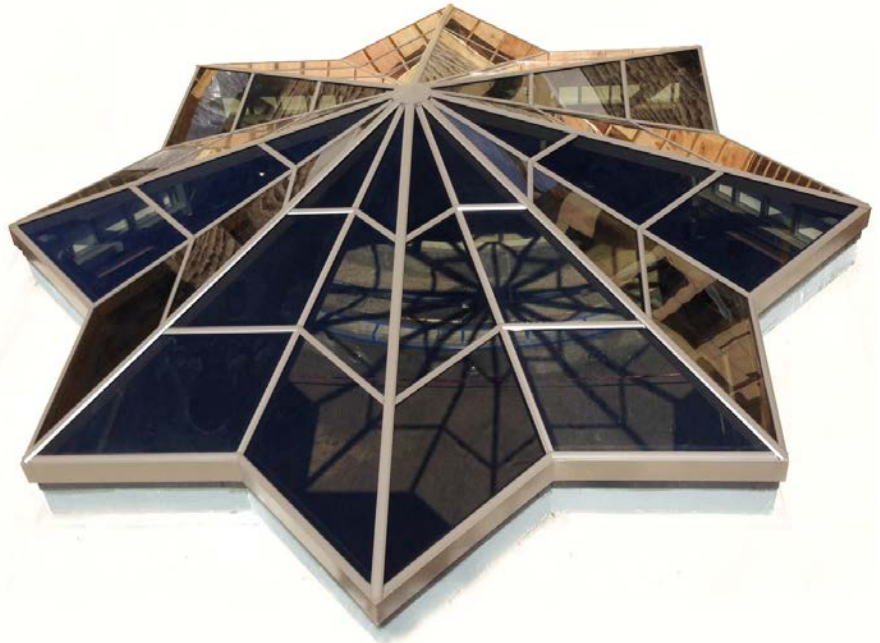
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CHALLENGE

While designing a wellness center in Monticello, New York, architect Kimberly Ryan at Liscum McCormack VanVoorhis sought a manufacturer to create an eye-catching skylight. The wellness center features a six-story hotel, spas, yoga rooms, and a centrally located indoor pool. Over this pool, Ryan desired a large geometrical skylight that would both serve as a focal point and allow daylight to brighten the pool area. Daylight is particularly important in a wellness center setting due to the correlation of natural light with improved moods, increased productivity, and higher quality sleep cycles.

The architect envisioned a 16-sided polygonal structure that would taper to a single point. The opening for the skylight would exceed 30 feet at its greatest length. The only drawback of this impressive star-shaped design was the complexity and structural needs of the design at its size.



SOLUTION



Solar Innovations® answered the call and worked with the architect to design and manufacture the unique skylight. Solar Innovations® in-house engineering team utilized the high-strength and lightweight properties of aluminum to accommodate the span and complexity of the 16-sided polygonal skylight. Heavy aluminum glazing bars were chosen and the skylight was constructed in an alternating series of valleys and peaks. Solar Innovations® provided a custom color match finish to seamlessly blend into the center's color palette.

Once manufactured, the skylight was delivered to the job site and carefully installed by the Solar Innovations® Install Team. The skylight capitalizes on southeastern sunlight to provide daylighting to the centralized pool room, adding to the ambience and serenity of the space. Through Solar Innovations® engineering and design, this striking, geometrically complex skylight will surely become the architect's desired focal point once the wellness center reaches completion.

PROJECT DETAILS

SERIES: SI5600 Custom 16 Sided Polygonal Skylight

FINISH: Custom Paint to Match "Medium Bronze"

GLAZING: 1" Bronze Tempered over 5/16" Clear SN-68
Annealed Laminated Insulated Glazing

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