

CASE STUDY:

Quaker Bridge Mall

Lawrenceville, New Jersey

Like many large shopping malls in the country built in the 1970's & 1980's, the roof of the Quaker Bridge Mall had several original skylights that were originally built using clusters of acrylic barrel vaults separated by stainless steel gutters. These acrylic barrel vaults were past their serviceable life and in serious need of replacement.

Super Sky was contracted to replace the existing acrylic vaults with new flat multi-wall polycarbonate sheets, utilizing the existing frames and gutters. However, upon our initial inspection, it was clear that this would only solve a portion of their problems. The stainless steel gutters that separated the acrylic vaults were obviously contributing to the water infiltration, evidenced by the many layers of sealant that had been applied over the years.

Instead of a simple re-glaze, Super Sky quickly developed a plan to completely remove the existing frames and build entirely new skylights (frames and all) over each cluster eliminating the need for the existing gutters altogether. This plan was executed entirely at night as not to impact the Mall's holiday-season operations, and without any disturbance to the interior finish work. Most importantly, the expanded scope was executed with no additional cost to the owner.

Before



After



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