

# Case Study

## Project: Stater Bros. Building Type: Commercial Retail

Stater Bros. Markets, Inc. uses daylight to create an innovative energy-efficient shopping environment at their new grocery store in Chino Hills, California. The effective use of daylight not only serves to fully displace the need for electric lighting during the majority of daylight hours throughout the year, but also enhances the appearance of the products being sold. It truly creates a more natural and enjoyable environment for both the patrons and staff.

### Objective

Provide significant annual energy and operating cost savings while also establishing a higher-quality retail environment through effective daylight harvesting.

### Products Used

SolaMaster® Series  
164 - 21" Solatube Units with OptiView®  
Lenses and 6-foot+ of tubing (530mm)

### Solution

The Solatube tubular skylights are used to fully daylight the entire 43,235 square-foot sales floor (including produce, pharmacy, and checkout aisles) and back-of-house stocking spaces in the new Chino Hills store. Sophisticated panel-level photocontrols provide multiple controlled lighting zones utilizing a single photocell that is integrated into the Solatube daylighting system. The abundant daylight from the Solatube skylights accentuates the natural beauty of the high-quality produce and grocery products available in the store. The Solatubes are artfully placed to provide accent lighting for key architectural details and to brighten the perimeter walls of the store.

### Testimonial

"The most exciting aspect of this installation is that the projected energy savings resulting from the Solatubes will cut our annual lighting energy costs by nearly half. In addition to saving energy, the Solatubes will keep the store lighted in the event of a black-out situation, which is a real plus."

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