

**ALLCON**

Of Greenville, Inc

*Finally Workmanship With Pride*

## Commercial Low Slope Metal R-Panel Retrofit

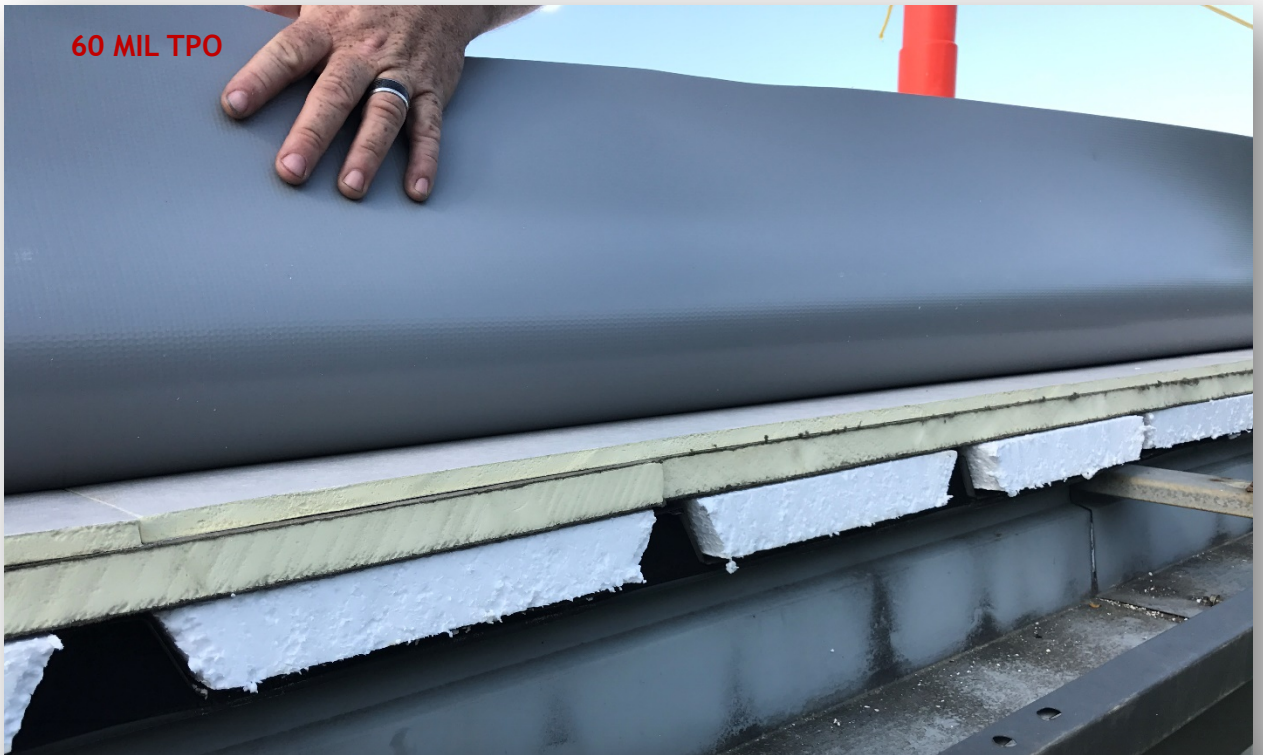
- Components:
- Flute Fill
  - 1" Polyiso Insulation
  - ½" High Density Hail Board
  - 60 Mil Firestone TPO Membrane
  - Rhino Bond installation
  - 20 Year NDL Warranty - FM 90

**OMG.**  
**RhinoBond.**  
INDUCTION FASTENING SYSTEM



**Firestone**  
BUILDING PRODUCTS





# Advantages

- 20 YEAR Manufacturers NDL Warranty
- 10 - 20 Degrees reduction in Heat Transfer
- Class 4 Impact Rating - Highest rating available
- Improved Energy efficient building envelope
- Quiet efficient workplace
- Aesthetically pleasing

**ALLCON Roofing**

*"Finally, Workmanship with Pride"*

**Company Name**

**On Roof -**



**Firestone**  
LICENSED CONTRACTOR

**DAYLIGHTER SKYLIGHTS**



# Skylights Enlighten Manufacturing Facility

by [Commercial Architecture](#) on June 1, 2014 in [Windows & Doors](#)

## Daylighting increases light quality and reduces energy load for a Chicago-area plant.

They wanted the building reclassified from industrial to heavy manufacturing and also wanted it to be as environmentally sound as possible. That meant improved energy efficiency where it was most achievable: in the building's thermal properties and its lighting system. The owners wanted green roofing solutions, lowered indoor temperatures, and improved energy efficiency, with daylighting solutions as part of the plan.

### Not standard lighting

Sunoptics skylights diffuse incoming light through prismatic lenses, eliminating hot spots, glare, or haze, as well as dissipating any heat.

After the roof renovation, it was estimated that the interior temperature of the building decreased by 30 deg. Lighting also improved significantly. The new skylights cover 3% of the roof area, a relatively standard coverage for industrial buildings, but their prismatic properties provide anything but standard lighting. The building has a ceiling height of about 40 ft. Generally, warehouse lighting varies from as few as 5 to 10 foot candles in inactive storage areas, to as much as 30 to 40 in more active spaces such as loading docks or receiving areas. After the installation of the

skylights, light-level readings in the building reached from 55 to as much as 62 foot candles without any use of electrical lighting.

"I was amazed at how much light comes into the building," Tighe said. "The electrician had all the lights off and it was still light in there." He also took note of the lack of hot spots created by typical bubble-dome skylights, that allow heat to build in the space below. The Sunoptics products, however, diffuse the incoming light through prismatic lenses, eliminating hot spots, glare, or haze, as well as dissipating any heat. All that remains in the space is fully captured, evenly distributed, and UV-stable daylighting coverage.

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## Find Out More

## Call Today

# 864 552 1365

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