

Industrial Warehouse Facility

Vidalia, Georgia



This industrial warehouse facility is a fully leased 540,000 sq. ft. building. The final phase of re-roofing was scheduled over difficult-to-fasten-to decks (a combination of lightweight insulated concrete and tectum). With a desire to control costs while minimizing tenant disruptions, the final and largest re-roof phase was designed using a combination of vented roof and tear off configurations.

Based on positive experiences with WindSmart in the past, the project was awarded to an approved WindSmart contractor. WindSmart and the contractor worked with the designer to deliver a high quality installation and at a lower cost than any other bidders. The project was completed quickly and to the complete satisfaction of the architect and designer. Thomas Zordan, Principal with ACG, commented that the installation was "absolutely beautiful," and that it was a seven day installation with a 10 man crew, including loading and mobilization.

The WindSmart vented roof system was installed quickly. By using infrared drone images, the project was designed to recycle the existing roof insulation, leaving most of it in place. When wetness was identified, selective or complete tear off was implemented. Because the system can be installed with minimal fasteners through the roof deck, there was no disruption to the tenant's daily operations inside the building. On large open roofs, WindSmart Systems can be one of the most cost-effective ways to add a new roof assembly.

The new roof assembly was designed and installed to achieve:

- ASCE 7 compliance without any fastening or adhesives in the field of the vented roof system
- Sustainability – minimized waste streams as part of the project

Designer:

Architectural Consulting Group, LTD
Barrington, IL

Roofing Contractor:

WindSmart Approved Contractor

Square Footage:

167,000 sq. ft.

Material and Technology:

60mil thermoplastic membrane,
Air-Sealed, Pressure-Equalized

Year Completed:

2020

Contact:

WindSmart, Technologically-Advanced Roofs
Des Moines, Iowa
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Technologically-Advanced

Air-Sealed, Pressure-Equalized Commercial Roof Systems®

Key Benefits of the WindSmart® Vented Roof System



Environmental Stewardship

A sustainable long term solution. Roof waste streams are a significant factor in the overloading of landfills. By keeping roof assemblies dry and in place long term, the normal practice of continual tear-off can be avoided.



High Weather Resistance

Greater protection from wind and weather elements. Highly weather resistant roofs require a combination of proper configuration, quality materials and professional installation. The WindSmart Vented Roof System can achieve the highest level of weather protection from wind, rain and hail.



Entrapped Moisture Removal

A roof which can remain dry – long term. The system is laboratory tested and field proven to remove any future entrapped moisture. Ensuring a dry roof is the key strategy for roof longevity, high thermal values and the ongoing recyclability of commercial roof assemblies.



Most Cost-Effective Solution

Lowest life-cycle costs. The WindSmart System can significantly lower initial roof replacement costs. With WindSmart, it is possible to produce the lowest life-cycle cost roof assembly in the marketplace.

WindSmart is driven to support your needs

■ Offering comprehensive technical support

We understand that every project is unique. WindSmart works to understand your needs. We utilize standardized practices to deliver customized recommendations that are tailored to meet your specific project goals.

■ Making your job less difficult

WindSmart provides standardized drawings and value-added services to support the proper installation of the WindSmart system. Our goal is an installed system that performs to everyone's expectations.

WindSmart® Patented WindForce 365® Equalization Vent

WindSmart's patented WindForce 365® Equalization Vent offers the highest performing vented roof system in the industry. WindSmart's technical experience and expansive library of air seal techniques and options are designed to achieve superior performing vented roof assemblies.

