



Case Study #2 Warehouse in Lenexa, KS

Project Details: 1 layer Tear-Off & TPO

Type Roof: 128,268 sq. ft. Mechanically Attached TPO roof membrane

Insulation: 1.5” Rigid Foam Insulation Board

Wet Areas: 20,166 sq. ft. Insulation + water in the reinforcement scrim of the sheet.

Faults: Widespread pin-holing in the roof membrane caused by weathering.

Replacement Cost: \$ 628,116.00 = \$ 4.50 / sq. ft. - New TPO Roof

Silicone Roof Coating Cost: \$ 416,229.00 = \$3.24 sq. ft. w/ “Roof Sentry System”

Realized Savings: \$211,887.00 = \$ 1.65 sq. ft. 34% Savings.

This was a 15 plus year old TPO roof system that was weathered and had been steadily leaking for over 5 years. There was moisture in three separate portions of this roof system. The wet / damp regions of the roof insulation totaled 20,166 sq. ft. or nearly 16% of the entire roof area. There were substantial amounts of transient moisture entrained between the roof membrane and the foam board insulation. Additionally, there were pinholes in weathered areas of the roof membrane that had allowed the moisture to “wick” into the reinforcement scrim of the sheet. Our electronic testing showed varying levels of moisture in over 95% of the roof surface area. The initial series of roof moisture surveys were conducted on 2/25/2018. Multiple methodologies of moisture detection were conducted sequentially to detect the various types and locations of moisture in the roof system.

With our “Smart Vent Technology” installed The “Roof Sentry” Moisture Removal System we were able to remove over 99% of the total moisture content in a matter of two months!



Case Study #2 - 128,268 Sq. Ft. Mechanically Attached TPO roof membrane with 1.5 inchespf rigid foam insulation board. Would of been a single layer tear-off plus a new roof. (\$ 578,116.00 = \$ 4.50/Sq. Ft.)
With a Roof Sentry system and a silicone roof coating the contractor estimated savings of \$161,887.00



ROOF SENTRY
Roofing Re-**IN**VENTed

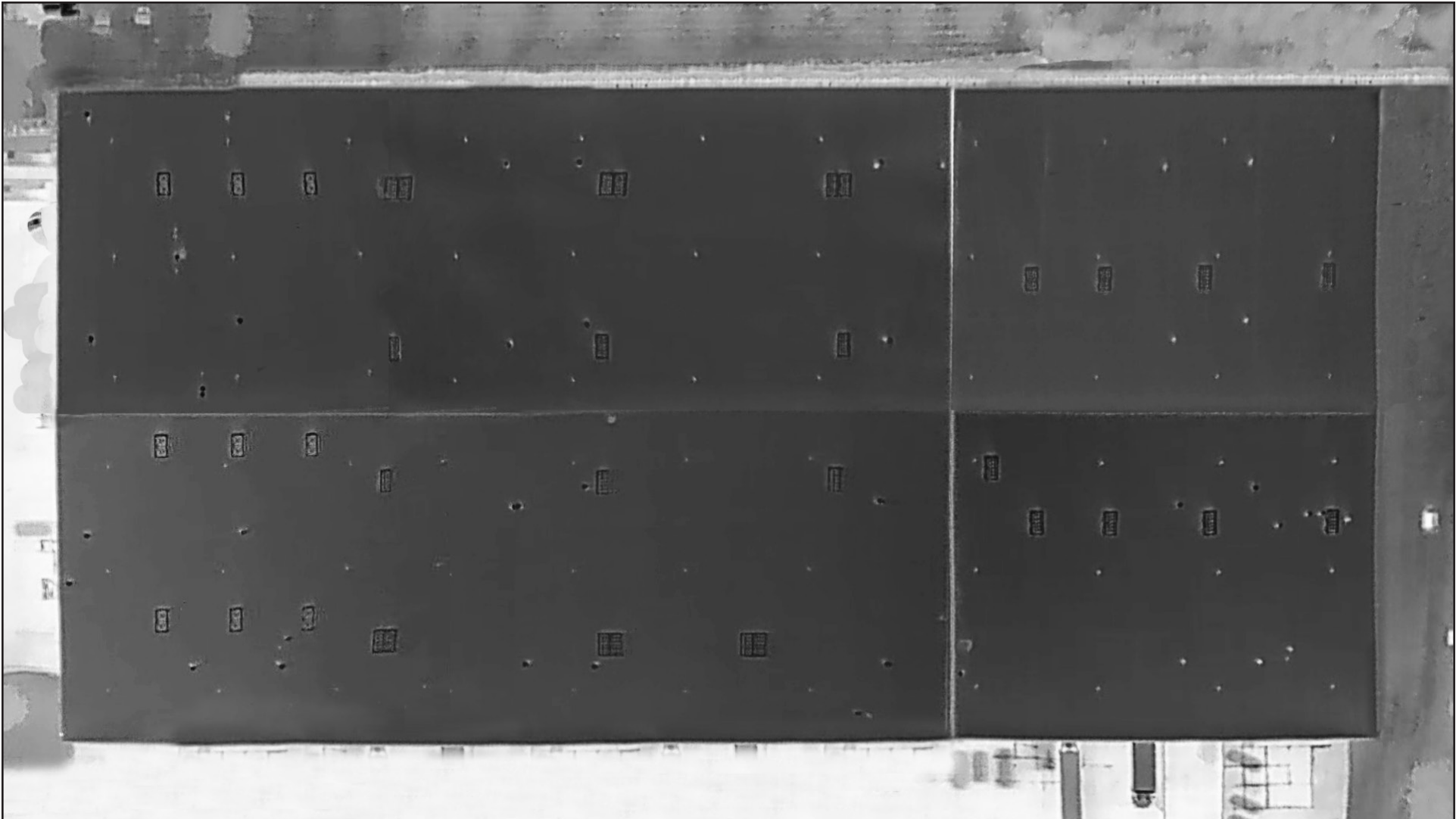


First Infrared - 02/25/2018



ROOF SENTRY

Roofing Re-InVENTed



Final Infrared - 06/27/2018



ROOF SENTRY

Roofing Re-InVENTed