



UTICA HIGH SCHOOL

Contractor: All Weather Systems | Location: Utica, Ohio

Square Feet: 82,000



Products

Duro-Tuff® white membrane; Duro-Guard® Fan Fold insulation; EXCEPTIONAL® Metals EM LokSeam® metal panels



When it comes to the long-term performance of a roof, proper installation is just as important as the quality of the products. After 15 years of ongoing challenges with their existing standing seam and TPO roof, which included a partial blow-off, administrators at Utica High School in Utica, Ohio, reached out to All Weather Systems of Hebron, Ohio, to help them find a solution.

"When we visited the school to evaluate the current state of the roof, we found that the clips used to secure the metal panels were spaced every five feet throughout the entire installation," said Mike Tigner, owner of All Weather Systems. "That's a big problem and we were concerned the whole roof would eventually blow off, so when we shared our findings with school officials they decided the best course of action was a full roof replacement."



After putting the project out for bid, All Weather Systems ultimately won the job and got to work removing the existing standing seam metal down to the plywood deck. Before new materials could be installed, All Weather had to replace much of the plywood because of water damage from the blow-off. Once the deck was repaired, waterproofing was installed before 18" EM LokSeam® metal panels from EXCEPTIONAL Metals were placed.



"The panels were actually 92 feet long to accommodate the size of the structure, which made it interesting to get them up on the roof," Tigner said. "Luckily the school is a one-story building so we built scaffolding that allowed us to slide these long panels up and onto the roof without causing any damage. It worked pretty well actually."

In addition to using LokSeam® panels along sloped portions of the roof, the All Weather team installed the panels along walls as well, creating a clean aesthetic and watertight system.

For the flat roof portions of the project, All Weather was able to reduce installation time and costs by overlaying the existing TPO roof with 3/8" Duro-Guard Fan Fold insulation before induction welding 50 mil Duro-Tuff membrane using the Duro-Bond® system. Finally, Duro-Tuff membrane was adhered throughout the interior gutter system for a seamless finish.

Working with a 19-person crew, the All Weather team was able to finish the project in 12 days over summer break and delivered a 20-Year Weathertight warranty for the metal installation as well as a 20-Year NDL warranty for the membrane installation to school administrators upon completion.



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