



Aubrey ISD - Aubrey, Texas



Brockett Elementary - Aubrey, Texas

Many Roofs, One Solution for Texas Independent School District

With over 30 years of experience in the commercial roofing industry, Merit Roofing Systems of Richardson, Texas, has worked on a multitude of re-roofing projects that collectively have involved a wide assortment of roof decks and substrates. But perhaps there has never been such a variety of re-roof challenges as what Merit dealt with during a project with the Aubrey, Texas, Independent School District.

This 118,000 square-foot re-roof project, the largest in Aubrey ISD's history, involved areas over the office, computer room, band hall, and gymnasium of Aubrey High School, and virtually the entire roof of Brockett Elementary. New roofing systems were installed over several different existing roof types, from modified bitumen to standing seam metal.

The age of the existing roof systems, ongoing leaks, and the potential for energy savings were the primary factors that prompted the ISD to investigate roof replacement.

The Interlocal Purchasing System, also known as TIPS/TAPS, is a purchasing cooperative that serves school districts, colleges and universities, and federal, state, and local municipalities. Merit Roofing's involvement with TIPS/TAPS, as well as the company's strong roofing history with many Independent School Districts in Texas, helped secure Merit's position as the contractor of choice for the Aubrey ISD project.

Given the different types of roofs on the Aubrey buildings, several re-roof options were considered, including using both single-ply membrane and standing seam metal. However, Merit and Aubrey representatives eventually decided that Duro-Last

single-ply membranes would be the best choice for all roof surfaces.

"The standing seam metal roof on Brockett Elementary was particularly unattractive," said H.L. Brockett, Building Superintendent for the district. "It had little or no insulation value. With the extreme heat that we have here in Texas, the Duro-Last solution we came up with was a perfect fit, both in terms of aesthetics and functionality."

"We were very impressed with the cleanliness of the manufacturing operation and attention to quality,"

One key factor that went into the selection of Duro-Last was a September 2010 visit by ISD representatives to Saginaw, Michigan, for a tour of Duro-Last's headquarters and production operation. They learned about how custom-fabrication of roofing systems sets Duro-Last apart from other manufacturers.

"We were very impressed with the cleanliness of the manufacturing operation and attention to quality," said Aubrey ISD Superintendent James Monaco. The fact that Duro-Last customizes every roofing system to fit building specifications gives us an added measure of assurance that the roofs on our buildings will perform effectively well into the future."

Every Duro-Last roof system is delivered to the job site with up to 85% of membrane seaming completed in the factory. Also, custom fabricated stacks and curb flashings eliminate most rooftop labor from critical roof areas - transitions and changes of plane.

(Continued on reverse side)

The roofing system for the Aubrey project was manufactured in Duro-Last's Jackson, Mississippi, facility.

"A good portion of the project allowed us to use Duro-Last's prefabricated membrane," said Merit Project Manager Brian Kimbrell. "This saved us installation time on the roof and provided minimal disruption to building activities during the time we were on-site."

Project Details

- The high school gymnasium has a barrel-shaped roof that's almost 14,000 square feet in size. Merit used 50-mil fully-adhered Duro-Fleece™ membrane on this section.
- The remainder of the high school project re-covered approximately 39,000 square feet of modified bitumen. Merit mechanically attached the 40-mil Duro-Last roofing system.
- On Brockett Elementary, 13,000 square feet were re-covered using the mechanically-attached 40-mil Duro-Last roofing system.
- The rest of the Brockett project – more than 51,000 square feet – was 50-mil Duro-Fleece membrane installed over standing seam metal, with appropriate flute filler and DensDeck® re-cover board attached to the metal deck.
- The Brockett installation also included metal gutters and downspouts, prefabricated by EXCEPTIONAL® Metals, a division of Duro-Last.

All of the Duro-Last membrane used in the project was white and highly reflective. After the project was completed, Monaco said, "The reflective membrane is really making a difference. We are starting to see energy savings in these facilities and are optimistic that these savings will be substantial."

Merit Roofing Systems has been an authorized Duro-Last contractor since 1997. As an Elite Contractor, Merit is recognized consistently by Duro-Last for quality workmanship and sales excellence.

"The Aubrey project proved that the combination of Merit Roofing Systems and Duro-Last can address any re-cover challenge that may arise," said Merit's Kimbrell. "We have relationships with many ISDs throughout North Texas, and our work on the Aubrey installation will position us well for consideration on upcoming projects."



Saginaw, Michigan

• Sigourney, Iowa

• Grants Pass, Oregon

• Jackson, Mississippi

• Carrollton, Texas

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