



GREENTECH CENTER

Contractor: Lighty Roofing and Construction | **Location:** Anadarko, Oklahoma
Square Feet: 255,337 membrane



Products

Custom-fabricated Duro-Last® 50 mil white membrane; Duro-Guard® EPS Flute Filler and ISO insulation; 2-Piece Snap-On Compression; termination bars; Fascia Cover

When severe storms and a tornado tore through Anadarko, Oklahoma, the Greentech Center, a key facility within the Delaware Nation Industries (DNI) portfolio, suffered extensive roof damage. The 255,000-square-foot warehouse, used by an automotive and outdoor equipment tenant, developed major leaks that halted operations and forced a temporary relocation.

"Our tenant's inventory was at risk and restoring the roof quickly was essential to getting their business back on track," said Jerry Kennedy, CEO of DNI. "We needed a roofing system we could trust to perform in Oklahoma's extreme weather conditions and Duro-Last delivered exactly that."





The project became part of a larger modernization effort at Greentech, which also included new offices, upgraded HVAC systems and overhead doors, and the removal of obsolete structures to improve operational efficiency.

Lighty Roofing and Construction earned the contract after a competitive selection process. "They asked for three pricing options – low, mid and high," said Don Lighty, owner of Lighty Roofing. "I only gave them one: the best roof I could stand behind. If it was my building, this is the system I'd use."

The existing metal roof had rusted seams and failed fasteners that no longer met modern performance requirements. Lighty proposed a metal retrofit system centered around Duro-Last's custom-fabricated 50 mil white membrane, chosen for its durability and exceptional wind-uplift resistance.

Before installation began, Lighty's team conducted a pull test to determine the deck's holding strength. While results allowed for fastening 18 inches on center, the team opted for a 12-inch pattern to provide maximum security against high winds.

Crews installed custom-cut Duro-Guard EPS flute filler to level the ribs of the existing metal deck, followed by a one-inch layer of Duro-Guard ISO insulation to create a flat, stable substrate for the new membrane. The result was a structurally sound and energy-efficient foundation ready for the mechanically fastened Duro-Last system.



About GreenTech Center and Delaware Nation

The GreenTech facility is a 255,000-square-foot industrial facility located in the heart of Anadarko, Oklahoma. Formerly operating as a carpet mill, the facility sat vacant for 20 years before Delaware Nation took over and rehabilitated the site as a manufacturing hub for an automotive and outdoor equipment tenant.

Delaware Nation is one of three federally recognized tribes of Lenape or Delaware Indians in the United States. Traditionally organized into three major matrilineal family clans, the Turtle, the Wolf and the Turkey, the Turtle clan holds core responsibilities in internal governance, mediation and maintaining harmony.

To streamline installation, the team used custom-fabricated deck sheets with prewelded fastening tabs every 5 feet. This reduced field welding by more than 75% while ensuring consistent seam quality across the roof's vast surface.

"You can't get more precise than a weld done in a controlled factory environment," Lighty said. "Those prefabricated sheets saved time, reduced waste and guaranteed performance."

Working on the large, sloped structure added logistical challenges. Turbine-style air handlers were permanently removed and a rolling fall-arrest system allowed up to eight technicians to move safely across the roof without anchoring points. Despite those complexities, the six-person crew completed installation two weeks ahead of schedule.

Among the project's most distinctive elements is a 100-foot-tall, 68-foot-wide turtle incorporated into the roof – a tribute to the Turtle Clan of the Delaware Nation.

"There are three clans within the Delaware Nation – Wolf, Turkey, and Turtle," Lighty explained. "This facility represents the Turtle Clan, so it felt fitting to weave that identity directly into the design."

Working with Duro-Last's Engineering Services team, Lighty created the turtle using multicolored 5-foot membrane panels, precisely cut and heat-welded to form the intricate pattern. Once complete, the emblem stood as a powerful symbol visible from the air.

"The turtle is more than a design element," Kennedy said. "It reflects our heritage and the pride we take in every part of this facility."





Since completion, the roof has performed flawlessly, even through multiple heavy-weather events. The Duro-Last system's reflectivity has also helped stabilize indoor temperatures despite the building's non-climate-controlled design.

"Reliability and durability were our top priorities," Kennedy said. "The combination of Duro-Last and Lighty Construction gave us both. We couldn't be more pleased with the outcome."

Lighty echoed that sentiment. "We put everything we had into this job," he said. "When you do it right, you don't just install a roof, you build trust that lasts as long as the system itself."



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Greentech Center Case Study – ORIG: 7.7.26 – DL110053



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