

Spring Fire Training Center

Daylighting



PROJECT TYPE

Public Sector

MANUFACTURER

Kalwall

PRODUCT

Translucent Sandwich Panel System

ARCHITECT

Tovani Hart

GENERAL CONTRACTOR

SpawGlass

OWNER

Harris Co. Emergency Services
Department 7

LOCATION

Spring, Texas

PHOTOGRAPHY

Tovani Hart

COMPLETION

January 2026

OBJECTIVE

The W.W. "Cotton" Weaver Fire Training Center was developed to provide advanced firefighter training capabilities for one of the fastest-growing communities in Texas. For more than 60 years, Spring firefighters were required to travel for further development & training. This state-of-the-art facility provided local firefighters the ability to hone their craft in their own backyard.

BACKGROUND

This 48-million dollar, multi-phased project included the burn building & the logistics/support facility which provides realistic, scenario-based fire training while centralizing logistics, fleet operations, equipment maintenance, and departmental support services.

SOLUTION

Griesenbeck Architectural Products provided design assistance, supplied and installed a 7,100-square-foot cascading Kalwall translucent daylighting system for the new W.W. "Cotton" Weaver Spring Fire Training Center, overcoming procurement, constructability, and elevated-access challenges through innovative scheduling, engineering, and safety solutions.

Through early collaboration with the design team, Griesenbeck optimized the Kalwall® clerestory system by utilizing hurricane-rated face sheets and orienting the 4'-0" × 15'-0" panels on edge, maximizing spans while reducing supporting aluminum, structural requirements, and overall material costs. The high-performance daylighting system delivers abundant natural light, exceptional storm resilience, and improved thermal performance.

RESULT

The Kalwall translucent panel system provided museum-quality daylighting to administrative, training, and fleet operation spaces to enhance both training performance & overall occupant well-being.

For design assistance or information on your next project
visit <https://www.griesenbeck.com/> or call 713.781.3287.

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