



FIRE STATION 151

📍 Glendale, AZ

CHALLENGE

Creating a single-level plan that met functional needs on a narrow 1.4-acre site.

RESULTS

The brick walls delivered multiple functions typically requiring several components in other systems.

BRICK SIZES

Atlas® 8x4x16

BRICK COLOR

Copperstone

ARCHITECT

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Harmonizing Living and Work Space on a Narrow Site with Structural Brick

The new Fire Station replaced the Fire Department's original home, Fire Station No. 1. While the historic station was long valued for its legacy of service and tradition, it could no longer keep pace with the community's growth or meet modern operational standards. The new state-of-the-art facility, located just off the city's main street, was designed to better serve residents while enhancing visibility and public connection.

CHALLENGE

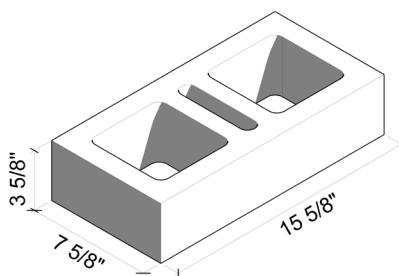
Developing a single-level plan on a narrow 1.4-acre site presented significant design constraints. Beyond fitting the entire program within the footprint, the design had to ensure efficient circulation for both firefighters and their equipment, optimizing movement for speed, safety, and functionality in a facility that operates 24/7.

CREATE DIMENSION

Alternating projections create dimensional shadow lines.



Fire Station 151 Won Gold at BIA's Brick in Architecture Awards



Atlas® 8x4x16

Cores permit steel reinforcing and grout, creating a system that resists tension, flexure, shear and can carry heavy loads.

VIEW SPECS



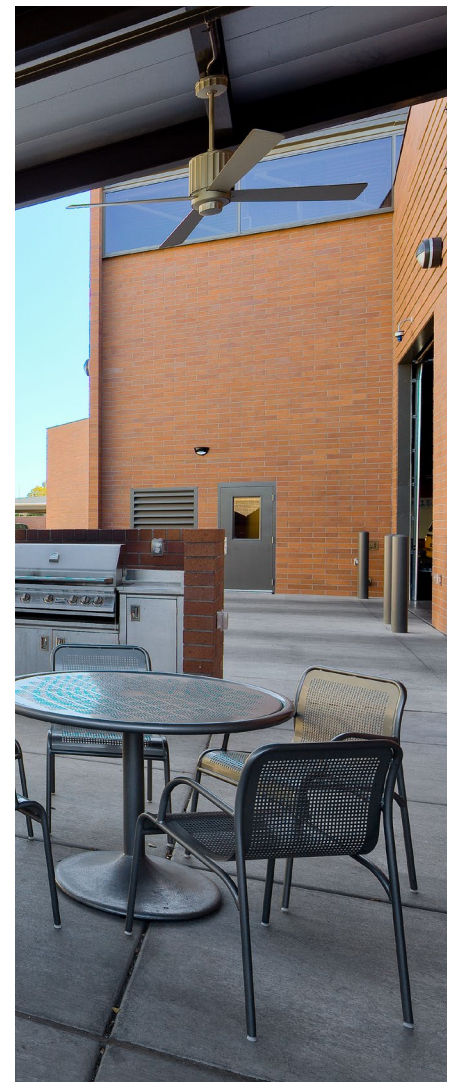
Structural clay brick has high compressive strength that ensures long-term performance in tall, slender wall designs.



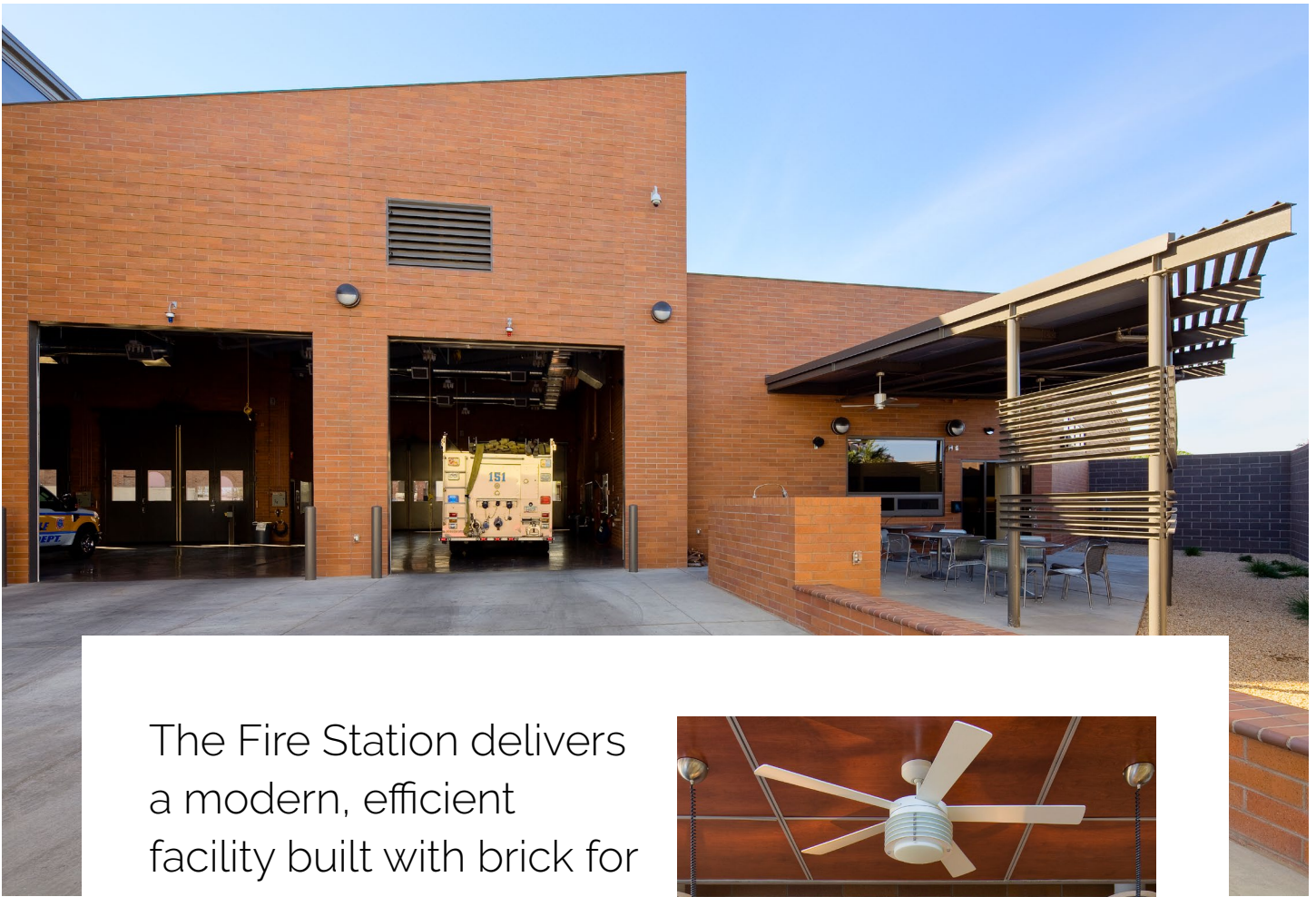
SOLUTION

Clay brick was central to the design of the new Glendale Fire Station, providing durability, sustainability, and a strong connection to the city's heritage. Brick's thermal mass helps dampen and delay temperature fluctuations, regulate indoor temperatures and reduce heat gain in Arizona's climate. Insulation added to the brick voids creates a highly efficient building envelope. The wall assembly utilizes high compressive strength brick, minimizing material use since the same units can function as walls, lintels, beams, and

other load-bearing elements. Brick's sustainability benefits are equally significant. Serving as both structure and finish, it eliminates the need for paints or coatings and contributes to healthier indoor air quality. Its recyclability and reusability extend the building's lifecycle value, while complementary finishes and daylighting strategies further reduce environmental impact. At the same time, brick anchors the station in its historic context. Exterior detailing reflects the character of Downtown Glendale, and the preserved



alarm bell from Fire Station No. 1 now stands prominently in the new tower, symbolizing a connection between past and present.



The Fire Station delivers a modern, efficient facility built with brick for long-term durability and energy efficiency.

RESULTS

The 14,000-square-foot Glendale Fire Station delivers a modern, efficient facility built with brick for long-term durability and energy efficiency. It includes four apparatus bays, a training classroom, living quarters for ten personnel, a kitchen, fitness facility, and space for a future Battalion Chief's quarters. With brick at its core, the station combines resilience with a timeless architectural character that reflects Glendale's historic context.

Have questions? [Talk to one of our consultants](#), visit interstatebrick.com or call [1-800-233-8654](tel:1-800-233-8654).

