

FIREHOUSE[®]

Serving America's Bravest

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Firefighters battle a six-alarm fire that ripped through three buildings in Union City, NJ.





In response to Montgomery County's need for a new fire station to service one of the fastest growing areas in the county, an area that includes a medical campus, mixed-use and residential development, the Travilah Fire Station was designed to portray a strong civic image and serve as a gateway to the new community.

The facility's 26,554-square-foot, four-bay, single-story building includes an apparatus bay and support spaces, living and sleeping quarters for the firefighters and a battalion command suite. The building's exterior form is defined by a sweeping curvilinear wave-shaped roof, under which the functions of the facility are organized. Immediately below this large roof structure is a glass curtain wall

clerestory providing natural light to the apparatus bay and the building interior.

Spaces are arranged to provide a functional and efficient layout with appropriate space adjacencies to minimize firefighters' response time to the apparatus bays. Way finding is improved through the use of daylight harvesting techniques which also promote the overall well-being of residents. The sleeping rooms are separated from the apparatus bays and day spaces to minimize noise intrusion. An open-plan kitchen and dining space support ease of circulation and a sense of community. Support areas are in close proximity to the apparatus bays which are designed with an acoustical deck to improve the users' work environment.

Several sustainable design elements were incorporated towards a green building design and a goal of LEED Silver Certification, including: environmentally sensitive design to treat and reduce storm water run-off prior to its discharge off-site, a high performance HVAC system, extensive use of clerestory windows to harvest natural light, day lighting controls, an energy efficient building envelope, low-flow plumbing fixtures, non-toxic, low VOC materials, and highly durable materials, manufactured and harvested locally with recycled content.

The final design presents a strong and progressive civic image to the citizens of the county. It is a high-performing sustainable building that sets the tone for development in the future.



Official Project Name: Travilah Fire Station No. 32

Project City/State: Rockville, MD

Date Completed: February 19, 2014

Fire Chief: Steve Lohr

Project Area (sq.ft.): 26,554

Total Cost: \$11,285,100

Cost Per Square Foot: \$424.98

Architect/Firm Name: Dewberry

City/State: Fairfax, VA

Website: www.dewberry.com

Design Team: Principal-in-Charge and Project Manager: Mark B. Scott, RA, LEED AP, DBIA

Architectural Designer: Kristina Kobulsky, LEED AP

Project Architect: Roderick D. Williams, AIA