



FIRE STATION NO. 4

This fire station is located in an established suburban area of Athens. The task was to design a station that would fit into the surrounding residential area. The building is designed in a traditional style with brick exteriors and sloped roofs. Exterior materials include two brick colors, cast stone, standing seam metal roof and operable aluminum windows. The stations footprint is broken into three separate areas: public/service, apparatus and living spaces. This helps break the roof line into separate peaks that break down the massing of the building. The site design was able to save several large trees that help the new station appear as if it has been there for several years. Parking is provided for 26 vehicles and storm water is collected in an open detention pond.

The interior program includes a community meeting room, day room, dining area, kitchen, toilets, showers, fitness room, offices, bunk area, apparatus bay, shop, gear room, laundry and cascade facility. The structure is combination of a steel frame and load bearing CMU walls that support both metal and wood roof trusses. Interior walls are a combination of painted CMU and gypsum board on metal stud walls. Ground floor is a slab on grade. The roof is a combination of flat and sloped surfaces with metal deck supported by bar joist. Roof materials are standing seam at sloped areas and EPDM at the flat roofs.

Mechanical systems consist of split system fan coil units with gas fired heaters and ground mounted compressors. The apparatus bay and gear areas are heated with ceiling hung gas fired furnaces and the bay is ventilated with an interlocked supply/intake fan system. The bay also has an exhaust ventilation system where exhaust hoses are connected directly to the vehicle exhaust and detach when the trucks pull out of the bay. Power systems are supported by a natural gas standby electric generator. Communication, traffic signals and power systems are connected and controlled by the MOSCAD system that allows vital station functions to be controlled from the departments central control facility. The intersections complicated signal system was updated to allow for efficient exiting of fire apparatus. ■



architecture

L

engineering

P

interiors

B

C

ATHENS, GA

Owner: Athens-Clarke County

Acreage: 2.5

Construction Cost: \$1.5 Million

GSF: 10,801

Cost/SF: \$13,887

Construction Start: September 2002

Construction Time: 15 Months

Architecture and Engineering

Lindsay ♦ Pope ♦ Brayfield & Assoc., Inc.

Buck Lindsay and Mike Clifford

Greg Brayfield

Gene Gabrell

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Civil Engineering

McFarland-Dyer & Assoc., Inc.

Jeff Dyer

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Mechanical Engineering:

Matheson Ball & Assoc.

Fred Ball

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General Contractor

Whitsel Construction Company

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MUNICIPAL