



FIRE STATION NO. 23

This fire station is located on a small site limited on two sides by a high school, on a third side by an existing office development and on the frontage by a heavily-traveled parkway.

The 2-bay station is a company-level facility positioned to service fire needs in the local vicinity. Site circulation requirements included integrating the anticipated fire vehicle access points to the site with school bus traffic maneuvering in the same area. Deceleration lanes and pedestrian sidewalks were provided along entire frontage, and the access drive to the school was widened to accommodate the shared traffic. Twenty-five parking spaces are provided for the Fire Department staff and visitors to the station. A fenced storm detention pond is also on the site behind an existing wooded area which will remain. Special care was taken to isolate the fire station from the adjacent high school to discourage students from walking across the site.

The company facility includes a Day Room, Dining Area with Kitchen and a private patio, toilets and showers, a Fitness Room, and a bunk area with eleven private cubicles.

The structure for the building includes a slab-on-grade with 8" thickened floors sloped to trench drains in the Apparatus Room. The super structure is a conventional steel structure with a bar joist roof system. All partition walls in the building are painted concrete block, with a complete exterior brick veneer and standing-seam metal roof.

Mechanical systems are provided through four split-system, fan coil units, with gas-fired furnaces and ground-mounted compressor units. The Apparatus Room is heated with ceiling hung gas-fired furnaces and ventilated with an interlocked supply/intake fan system. A sanitary sewer has been extended off-site to connect with the nearest public sanitary system. The power systems of the building are supported by a standby electrical generator, to allow the station to operate continuously during extended power outages. Radio communication links are provided throughout the building for connection to the County's 911 service and for general alarms at the interior and exterior of the building.

architecture

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engineering

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interiors

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C

LILBURN, GA

Owner: Gwinnett County

Acreage: 1.8

Construction Cost: \$1,119,405

GSF: 8,648

Cost/SF: \$129.44

Construction Start: July 1999

Construction Time: 9 Months

Architect/Engineering/Interior Design

Lindsay ♦ Pope ♦ Brayfield & Assoc., Inc.

Buck Lindsay

Greg Brayfield and Jery Sumrell

Vanessa Burt

770-963-8989

Civil Engineering

McFarland-Dyer

Jeffrey Dyer

770-932-6550

Mechanical Engineering:

Entropy

Gary Richardson

770-346-9661

General Contractor

Mathais Corporation

770-476-8100



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Alternate Views

