



FIRE STATION NO. 11

This fire station replaces an existing combination fire station/police precinct located at the busy intersection of Jimmy Carter Boulevard and I-85. The new station will be located in an industrial park with significantly better traffic conditions. Use of the site was complicated by the presence of a 54" stormline crossing the property and an existing storm detention pond serving this and other parts of the industrial park. Site circulation requirements involved providing for fire vehicle circulation in and out of the site, as well as vehicular traffic associated with training facilities at this location.

The 3-bay station contains two distinct operations: a Fire-fighting Company, providing fire protection to the local community, and a Battalion Headquarters Office, serving this and six other Company locations. Space in the Company area includes a Day Room, Dining area with Kitchen, Toilet/Showers, a Fitness Room and a Bunk Area with 13 bunks, adequate to support the station manpower through three shifts. On the Battalion side of the building, office space for the Battalion's Administrative Operations, is provided, as well as related bunk space and toilet/showers. A 50-person Classroom is provided for use in training activities and by the community.

The structural system for the building is concrete slab-on-grade, with 8" thick, reinforced slabs sloping to continuous trench drains in the Apparatus Room. Super structure is conventional steel framing with a bar joist roof. All partitions in sprinkler-protected building are masonry, with a complete brick veneer outside. The roof of the building is standing-seam metal on a metal roof deck.

HVAC systems for the facility are a series of 7 split-system fan coil units, with gas-fired furnaces and ground-mounted compressor units. The units are zoned to provide local control over conditioning environment. The apparatus room is heated, and ventilated with high-velocity fans to ensure removal exhaust fumes.

The building power systems are backed-up by an emergency electrical generator, to allow the station to continue operations during long periods of power outage. Other special provisions include radio signal reception for both the company and the battalion, and PA system for emergency notification inside and outside the building.

Care has been taken to present the building as well as possible to the community with pleasant landscaping and screening of mechanical equipment and dumpster enclosures. Convenient sidewalks allow for direct access into the various portions of the building, with a traditional flagpole and fire station sign accenting the front presentation. ■

architecture

L

engineering

P

interiors

B

C

NORCROSS, GA

Owner: Gwinnett County

Acreage: 3.2

Construction Cost: \$1,323,177

GSF: 12,670

Cost/SF: \$104.43

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

