



FREMONT FIRE STATION 8

Fremont, California



Fire Station No. 8 is located on Fremont Boulevard across from the Brookvale Shopping Center and between main arterial streets Tomayo Street and Nicolet Avenue. The site is approximately 0.80 net acres surrounded by existing 2-story townhomes to the north and south and single-family residential units to the west. Sensitivity to noise, traffic, and building massing to this existing context is crucial. The placement of the fire station building must address not only on-site functions but also the surrounding environment.

The solution is to locate the 2-story fire station within the site to maximize on-site vehicular traffic flow and staff work area. This also centrally locates the station in relationship to the existing town homes and single family units. A 6-foot-high solid wall is proposed around the perimeter with landscape areas. The fire station design consists of a three-bay-wide apparatus room, public lobby, internal staff work areas, and living quarters. Proposed construction materials are concrete-block masonry apparatus bay, wood-framed walls, metal-plate roof trusses, and concrete floor slab on grade. Finishes include split-face concrete block with smooth precision-concrete

block accent banding, exterior stucco finish, lightweight concrete roof tiles, exposed accent metal kickers and trim, tinted double-glazed windows, and steel doors.

Interior features include apparatus bay high ceiling with clerestory windows on the

Firm: WLC Architects
Design Team: Bill Louie, Jefferson Yu, Luis Ortega, Herb Knieriem, Larry Oliver, Mark Lamoureux and Dane Williams
Fire Chief: Bruce Martin
Project Area: 10,086 sq. ft.
Total Cost: \$4,584,906
Cost per Square Foot: \$455
Completion Date: April 2007

east side (front facade) facing Fremont Boulevard. The day room, kitchen and dining room are grouped together with access to secured staff parking and patio area. Staff will have individual dormitory and single-accommodation bathrooms for privacy and separation of male and female staff.





GILBERT FIRE STATION NO. 1 & BATTALION HEADQUARTERS

Gilbert, Arizona



Gilbert's new "Red Brick Fire House" reveals that it needed the best of technology and design to achieve its moniker — "the most innovative of its kind." The 2-plus story fire station and battalion headquarters was designed with two primary objectives beyond a standard fire station program.

First, the whole station was designed to ensure the quickest possible response time for a five-plus-one 1 bay station. Through extensive research and development, a unique 2-story solution

with a split-bay layout was developed, in order to absolutely minimize the time and distance traveled to each apparatus bay. The first-floor activity areas and second-floor sleeping rooms were arranged to allow rear loading of the bays. Next, the vertical circulation from the sleeping rooms not only allows firefighters to choose between four fire poles and two stairs, but also to select from two unique "horseshoe" slides which will minimize knee and joint wear, according to union and fire officials. The unique double bi-parting glass doors on the response side of each apparatus bay also help in safer, quicker responses.

The second primary objective of the firehouse was to reflect the changes in our post-9/11 society. Since firefighters are viewed much more as "heroes" and are visited more often since 9/11, two of the station's fire poles are located on the street side behind two stories

of glass, so a boy or girl can hope to see firefighters during tone-out as they pass by. The traditional brick material and stone forms remind the community of the firefighters' permanent and trustworthy presence. Other post-9/11 innovations include the "whole station" emergency generator power supply, the fuel storage and supply, and the collaboration with the police department, seen in the substation office and parking location. Lastly, both the firefighters' day areas and the battalion chief/ISO offices are able to view the lobby space/visitor area through security glazing.



Firm: Barduson Architecture
(now BCDM/Barduson)
with Sundt Construction
(Design-Build)

Design Team:
Barduson Architecture (now
BCDM/Barduson) with Sundt
Construction and Smith Group

Fire Chief: Collin Dewitt
Project Area: 23,628 sq. ft.
Total Cost: \$7,626,500
Cost per Square Foot: \$323
Completion Date:
November 2006