



### City of Dallas Fire Station No. 39

Dallas, Texas

Project is a 12,000 square-foot 4 bay fire station, 2 of which are double deep bays. This station is replacing the current Station No. 39 that is over 50-years-old. This project includes office and sleeping quarters for the Battalion Chief and Captain, with an additional 12 beds for firefighters. The facility also includes a fitness room and study, and has an all stainless steel kitchen.

The HVAC system consisted of several high efficiency rooftop units as well as apparatus ventilation and a vehicle exhaust removal system. Performed HVAC load calculations, then sized and selected HVAC equipment including a kitchen ventilation system and vehicle exhaust system. The plumbing design consisted of sanitary waste with sand/oil interceptor, storm drain, kitchen waste and grease interceptor, domestic cold and hot water, and natural gas systems. Performed plumbing calculations, which included sizing the domestic cold and hot water, sanitary waste lines, condensate and gas lines. Designed the ductwork system and selected air distribution devices. The electrical design included normal and alert lighting, power distribution, branch circuit wiring, fire alarm systems, and an emergency system with a diesel powered emergency generator.



### PROJECT DETAILS

<b>PROJECT TYPE:</b>	Municipal: Fire Station
<b>PROJECT COST:</b>	\$2,160,000
<b>SIZE:</b>	12,140 sf / 4 bay
<b>CONSTRUCTION TYPE:</b>	New Construction
<b>COMPLETION:</b>	July 2003
<b>PROJECT FEATURES:</b>	Two double-deep bays Office space Sleeping quarters for Battalion Chief & Captain

- 12 beds for firefighters
- Fitness room
- Study