

# ARCHITECTURAL ENGINEERING

## First United Methodist Church Addition Hillsboro, Texas



**Architect:** Hallum Architects, Inc.

**Completion Date:** 2004

**Building Use:** Religious Facilities

**Building Size:** 20,000 sf

**Construction Cost:** \$2,000,000

**Project Description:** First United Methodist Church Addition is a two-story religious institution and consists of a main auditorium, gymnasium, classrooms and administration offices.

**Project Construction:** The structural system is constructed using conventional structural steel framing. The second floor framing system is constructed of a composite slab to minimize structural depth, dynamic vibration and sound. The lateral load resisting systems are composed of vertically braced and rigid frames. Long clear span conditions are accomplished utilizing prefabricated timber trusses and open web steel joists. The foundation system consists of a structural slab on void forms and drilled piers.