



ARCHITECTURAL ENGINEERING

**Rockwall Lakeside Church of Christ
Rockwall, Texas**



Architect: Hallum Architects, Inc.

Completion Date: 2005

Building Use: Religious Complex

Building Size: 37,000 sf

Construction Cost: \$3,500,000.00

Project Description: Rockwall Lakeside Church of Christ consists of a main auditorium with seating for 800, chapel, classrooms, and administration offices.

Project Construction: The structural system is constructed using conventional structural steel framing. Long clear spans are accomplished in the auditorium by utilizing cantilevered structural steel trusses supported by reinforced concrete columns. These columns provide both vertical support of the trusses and roof framing system, as well as contribute to the lateral load-resisting system for the high roof. The lateral load-resisting system for the entire low roof is accomplished by vertically braced frames. The foundation system consists of a slab on grade with cantilever column/piers founded in bedrock at the auditorium, and conventional under-reamed piers used for the balance of structure.