

Faith United Methodist Church Sustainable Design

LEED Certified

Champaign, Illinois

Owner: Faith United Methodist Church, Champaign, IL
Architect: Gorski Reifsteck Architects, Champaign, IL
Contractor: Zion Church Builders, Mattawan, MI



Range of Services

- Structural Consultant; Full structural services

Project Overview

The project is a one-story addition to an existing one-story complex. The entire west masonry wall of the existing building was removed so that the narthex could serve both the existing sanctuary and the new multi-purpose room. The multi-purpose space is 100 ft. by 100 ft. with a kitchen and a large 65 ft. by 90 ft. classroom wing.

This project was developed based on LEED certification standards for structural materials. The foundation and exterior walls were reinforced concrete utilizing permanent insulating concrete forms. The concrete mix design substituted a high percent of fly ash for the typical cement.

The roof of the multi-purpose room was supported by exposed glu-lam arches and beams. Solid wood I-joists were used both for the multi-purpose space roof and the kitchen roof. Metal plated wood trusses were used for the educational wing.



integrating
STRUCTURAL
design
focused on
quality