

Mennonite Mutual Aid
Sustainable Design
LEED Certification-Silver (Targeted)
Goshen, Indiana

Client/Architect: Arkos Design, Inc., Niles, MI



Range of Services

- Full structural engineering services

Project Overview

As described by Arkos Design: "This multi-phased building addition and renovation serve as the headquarters for the offices of Mennonite Mutual Aid. Incorporating sustainable design practices such as passive solar design and renewable materials the project serves as a model for the integration of new construction and renovation of existing spaces." Structurally, regional materials, construction waste management, and recycled content design and plan was implemented for this project. The project is slated to be a LEED-Silver building once completed.

The structural systems for the 89,000 SF one and two-story building addition and renovation project include: steel columns and beams; hollowcore precast floor panels; wood column, shearwalls, and trusses; and concrete slab on grade and foundations. The selected structural systems were cost effective, met sustainable guidelines, allowed for maximum ceiling height, and avoided pilasters throughout the structure per the architectural design intent.

integrating
STRUCTURAL
design
focused on
quality