

Carle ECHO Center

Urbana, Illinois

Client: Carle Foundation Hospital, Urbana, IL
Architect: RATIO Architects, Champaign, IL
Contractor: McCarthy Construction, St. Louis, MO

Range of Services

- Structural consultant providing full structural engineering services for Schematic, Design Development,
- Construction documents and construction administration phases, including observation during construction

Project Overview

This two story steel framed children's hearing clinic is designed for three stories and is unique in its structural framing, as it accommodates architectural design features that create curved elements along the west elevation (see image 1 and 1A), a large double cantilevered entry on the north elevation (see image 2 and 2A) and a projected brick wall also on the north elevation. These features as well as designing for set-backs of a future third level complicated a rather simple straightforward braced steel frame. An early steel package was prepared to expedite the project.

1



1A



2



2A

integrating
STRUCTURAL
design
focused on
quality