

# How Do You Construct a Foundation for a Castle? With Alisply of Course!

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Bierschbach Equipment & Supply

**Contractors (Joint Venture):** Henry Carlson Company & J.E. Dunn Construction  
**Project:** Sanford Children's Hospital; Sioux Falls, SD

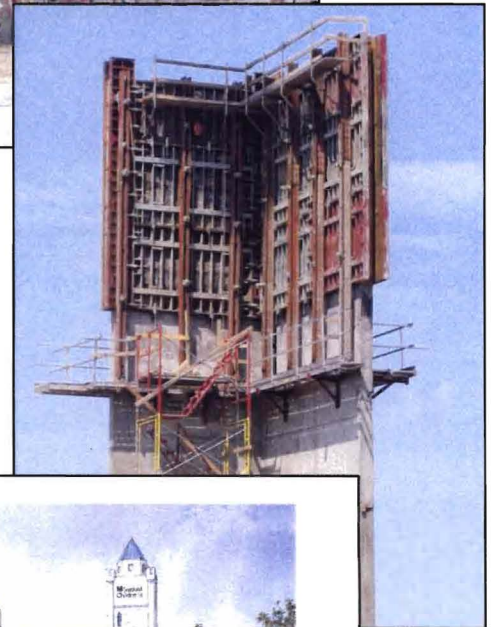
With plans drawn up to build a Castle designed for state-of-the-art pediatric care, Henry Carlson Company (Sioux Falls, SD) and J.E. Dunn Construction (Kansas City, MO) joined with Bierschbach Equipment & Supply (Sioux Falls, SD) and Symons (Minneapolis, MN) to design and supply a gangforming system to complete the complex foundation. This project has over 1,500 lineal feet of 18 foot tall walls and four shearwalls reaching over 120 feet tall. The hospital foundation was ideal for Symons Alisply™ gangform system.

Bierschbach worked closely with the contractor to design the project to suit their needs. Then, Bierschbach and Symons combined rental inventories to supply the 10,000+ square feet of forms needed to keep three concrete crews busy. One crew worked on exterior walls while two others worked on the four shearwalls.

The exterior walls were formed using Alisply's large 2m x 3m panel and in more complex areas the system transitioned perfectly to the contractor's Symons Steel-Ply handset forms. The shearwalls were poured by use of Alisply™ support brackets and an 8 inch steel trailing waler for alignment. By using taper ties the contractor was able to cut back on costly tie expense.

When asked about the forming system and design superintendents Eric Bender, Henry Carlson Company and Corey Erdkamp, J.E. Dunn said, "The design professionals at Bierschbach and the Alisply system were a time saver and kept the foundation work on schedule on this fast track project."

The Sanford Children's Hospital is on schedule for a 2009 completion date.



*(Top) Alisply™ was used in the straight parts of the wall while the contractor used their Steel-ply Handset forms on the pilasters and smaller areas.*

*(Middle) The shearwalls were formed by using shearwall brackets and trailing steel walers for alignment*

*(Bottom) Rendering courtesy of EwingCole Architects*

