

How Do You Build a Castle?



The Rapid Clamp system was used in the straight sections of the wall and the Steel-Ply system on the pilasters and smaller areas.



The shearwalls were formed using with gangs of forms on Support Brackets (since discontinued) with trailing steel walers for alignment.

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 the Rapid Clamp forming system.

Bierschbach worked closely with the contractor to design the project to suit their needs. Then, Bierschbach and Symons combined rental inventories when needed 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 the large Rapid Clamp 2m x 3m panel and in more complex areas, the system transitioned to the contractor's own Steel-Ply® forms. With reusable 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 forming system were a time saver and kept the foundation work on schedule on this fast track project."



Rendering courtesy of EwingCole Architects

Additional product information is available online at www.daytonsuperior.com. Contact your Dayton Superior representative at 888-977-9600, or send an email to info@daytonsuperior.com.