

Extra Storage in One Pour



The architect designed the hillside storage building with an arched roof to withstand the weight of the soil.



Symons provided detailed plans that combined several forming systems and shoring to form the structure monolithically.

When Alta Pump Company asked an architect to design a partially underground storage building for a hillside location, the architect came up with a plan for an arched, monolithically poured concrete structure able to withstand the weight of the soil.

When Alta Pump contacted Symons® by Dayton Superior® for form design recommendations, Symons provided drawings for formwork that combined the Steel-Ply and Flex-Form forming systems, with the Symons Soldier Beam in a shoring application for this unique structure.

The plan utilized Steel-Ply panels for the 8' high side walls, and a combination of Steel-Ply and job-built plywood for the one-sided back wall that was 11' tall at the center.

To form the vaulted ceiling, a system of Flex-Form supported by Symons Soldier Beams was designed.

Comprehensive drawings provided by Symons showed the form layout and included details about connections between the systems.

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 if you would like to discuss how these or other innovative systems can make your construction projects more productive.