

# Horizontal Gang Complements Handset Details



*This project incorporated horizontal Steel-Ply gangs in combination with handset pilasters and corners for a productive system.*



*Pilasters were handset between the gangs of horizontal Steel-Ply, providing the contractor with gangform productivity and handset versatility. Steel-Ply accommodated the rebar penetrations required for tying into subsequent floor and ceiling pours.*

Ross McCune, Project Manager at Al Shankle Construction regularly calls on Symons® by Dayton Superior for technical assistance when he has a large or complex project. He knows that these plans help him handle all sorts of forming situations productively, so it was no surprise when he called about a large warehouse expansion project in Torrence, California.

At first glance, the project seemed simple enough. The contractor needed to form three 16'6" high foundation walls, one about 325' long plus two others that were about 125' long. To maximize form setting speed, he wanted to gang the forms and use high capacity ties.

The complications that concerned him included pilasters every 25 feet and many rebar penetrations, all along the length of the walls. He wondered if gangs between pilasters would be light enough for his boom fork lift to handle. He also knew that the construction plans, which called for the foundation walls to be poured before the ceiling and floor slabs, meant that the rebar for these slabs would penetrate the wall forms, top and bottom, all along the length of the walls.

Symons devised a simple plan to utilize the Steel-Ply® system in a horizontal gangform configuration, with 5" Versiform® walers and 50 Kip Taper Ties. The 16'6" x 21' horizontal gang, which weighed just 4,500, was also lighter than a gang with Mini-Walers would have been. The 6' and 3' Steel-Ply forms, assembled in a brickwork pattern, are often used in conjunction with handset Steel-Ply forms to accommodate corners, pilasters and other construction details. In addition, the plywood face on the panels allowed the contractor to drill holes for the numerous rebar penetrations present on this project.

Ross McCune and Project Superintendent Gary Hering were impressed with how well the plan addressed their needs and concerns, but they wanted to inspect assembled conventional Steel-Ply and horizontal Steel-Ply gangs before making their final decision. They made arrangements to visit their nearest Symons branch to assemble the gangs according to the plans. Once they proved to themselves how easily the large horizontal gang

## SUCCESS STORY



went together, they agreed to the plans and asked for equipment to ship as soon as possible.

The contractor reported that the workers were able to work quickly and efficiently right from the start with the horizontal Steel-Ply forming system. They credit the successful completion of this foundation to the well-designed plan provided by Technical Services.

**Additional product information is available online at [www.daytonsuperior.com](http://www.daytonsuperior.com). Contact your Dayton Superior representative at 888-977-9600, or send an email to [info@daytonsuperior.com](mailto:info@daytonsuperior.com) if you would like to discuss how these or other innovative systems can make your construction projects more productive.**



*The widely spaced tie holes allowed with horizontal Steel-Ply reduces material and labor costs associated with ties and tie hole patching.*



Perform  
with  
Precision™

DAYTONSUPERIOR.COM | 800-745-3700

©2016 Dayton Superior Corporation