

D.11 PANELIZING POLYSTEEL WALL SECTIONS

One of the most innovative and cost effective techniques developed for the installation of PolySteel Forms is the construction of panelized wall sections in the shop, prior to installation on the job site. The reversible tongue and groove design of the PolySteel Form, the strength of the steel tie, and the integration of VBuck, and rebar saddles, provides you with the opportunity to construct entire wall sections in a controlled environment and improve the quality of your projects, and minimize the time required on the job site.

One of the key installation differences between panelized walls and site-built walls is that the forms are “stack bonded,” with the vertical joints in alignment throughout the wall, rather than assembled in a running bond. Assembling the forms in this way does not affect the performance of the wall either during or after the placement of concrete, and both methods are reflected in our ICC Code Evaluation Report.

Some of the proven advantages of Panelized PolySteel Walls are:

- ✓ **Speed of Installation.** The walls for a 3,000 sq. ft. home can often be set in place in less than one day, and poured the next. Setting entire walls in place, rather than individual forms, minimizes valuable time on the job site, provides more flexibility during periods of uncertain weather, and allows experienced field crews to be more productive.
- ✓ **Improved Quality.** Constructing walls in a controlled environment, on pre-assembled jigs set for plumb and square, can significantly improve the quality of the walls you build.
- ✓ **Minimize waste.** Working in a shop environment allows you to fully utilize all of the scrap pieces you might otherwise throw away on a job site. Cuts of specific lengths can be sorted, organized and retrieved in an efficient, cost-effective manner, allowing you to maximize the use of all of your PolySteel Forms throughout the project, and virtually eliminate waste on the job.
- ✓ **Lower costs.** The cost of hiring shop labor that is trained and supervised with a limited scope of responsibility is generally less than the cost of an experienced field installer. Consequently, any additional costs or charges associated with the panelizing process, are more than offset by the time savings on the site and/or the reduction of costly delays in the construction process.

Those professionals who have adopted the practice of panelizing PolySteel walls have found it to be a practical, profitable, and rewarding exercise in helping meet their customers’ needs. If you are interested in learning more about the process of panelizing PolySteel Forms, contact your PolySteel Dealer