

LEAN SAFETY BEST KNOWN METHODS

Abstract

The Safe Build Alliance is working to gather Best Known Methods in Lean that benefit the construction project. The benefit could enhance safety, efficiency, or quality. Please consider those activities that are conducted by multiple trades, ergonomic innovations, housekeeping best practices or anything that eliminates waste. We are looking for lean tools and actual activities that can be shared throughout the Safe Build Alliance Construction Community.

Remember, **Waste** is:

Defects – anything that created re-work

Overproduction – building more than is ready to be installed resulting in storage and/or housekeeping issues

Waiting – wasted time waiting for the next trade, waiting for late deliveries, etc.

Non-Utilized Talent – Underutilizing peoples' skills; light duty work due to an injury

Transportation – moving anything more than once before it becomes work in place

Inventory – extra storage of anything, storing concrete formwork or similar materials after completion

Motion – unnecessary movement of people, taking too many steps to distribute something that can be distributed via use of material handling equipment, etc.

Extra-processing – Higher quality than required

Please submit your Lean BKM's to
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BKM: Gang Wall Panel Rack

How does it work?

Area to describe the BKM and how it works

ASI built two Gang wall panel racks to store the wall forms vertical and create more room for the jobsite. ASI could store a total of 12 wall panels this way. The biggest wall form was 44' x 16'. The 12 panels added up to about 8,000 SF.

How does this benefit the project?

Area to describe how this BKM ties to the safety of the project. Also pictures can be added below.

Having the wall panels stacked vertical helped keep open lanes through the jobsite for easy walk paths and accesses.

Why is this a Lean Method?

Area to describe how this BKM ties to Lean and Safety

This is a lean method because ASI had to set and strip panels in order so that every time a panel was taken off the rack it was the one next in line to set or strip. It kept ASI organized in how the order was in the stripping and setting sequence. By level 3 ASI could have the elevator core and shear wall 2 set and poured and stripped in a total of 4 days.

Please attach or include photos of the before & after

