

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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Knight Cancer Research Building

Lean Construction / Lean Safety Best Known Methods

Lean Champions:

Name(s) / Team of Innovator

BKM: Trimble File Control Points

How does it work?

TCM's detailing department inserts grid offsets around each column when creating a Trimble file for layout. (see example below)

How does this benefit the project?

This provides greater flexibility when setting up the Trimble Total Station. It also allows the surveyors to layout Control Points at any grid intersection.

Why is this a Lean Method?

Simplify - This allows both the surveyors and Total Station operators to be more flexible with layout.

Standardize - This method is a standard for TCM detailing.

Please attach or include photos of the before & after



Trimble Field Link: L-1(L-2 SLAB)

