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 aclements@andersen-const.com dtoy@andersen-const.com Knight Cancer Research Building Lean Construction / Lean Safety Best Known Methods

Craig Moehlman / Cherry City Electric

Lean Champions:

BKM: Bluebeam Prefabricated

Assembly Process

How does it work?

We used Blue Beam drawings of the conduit racks, wall rough and Data drawings, then we build a tool bar and highlight the drawing with the type of assembly used at each location. Blue can make a legend showing the type of assembly and quantity. This drawing is given to our pre – fab to build and then the same drawing is used for install.

How does this benefit the project?

Pre-fab assemblies are made in a controlled environment, at bench heights eliminating workers to weather exposures, back strains and cluttered work spaces

By pre-fabricating these assemblies, it gives us the flexibility to have items delivered by groupings, rooms, floor or about any other way you can imagine. Reducing items being in the way and promotes on time deliveries

Why is this a Lean Method?

This method lets us have items assembled in a controlled environment, promotes Just-in-time deliveries, Requiring less handling and fewer deliveries to the job site, less storage of materials.

Please attach or include photos of the before & after











