

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: TCM Loaded Gang Box

How does it work?

TCM's sheet metal shop customized a standard lift top gang box to accommodate the tools needed for a typical 4 person crew. Each tool has a place to live and the spaces are labeled to help employees find and return tools during their shift. The interior of the box is also equipped with 8 receptacles for charging batteries. The outside has 2 retractable cord reels for plugging into a Spider Box.

How does this benefit the project?

This help the project in several aspects.

- It allows the Foreman a "One Stop Shop" when ordering tools for the job, cutting down on both time and mistakes.
- The cord reels keep unnecessary amounts of cord off the ground.
- The box creates an environment that is easy to 5S.
- Time spent searching for tools is drastically cut.

Why is this a Lean Method?

Sort - Make soring tools during clean up easy.

Simplify - Each Item has a home

Sweep - Specific Item locations help keep the box clean and organized

Standardize - Each TCM tool box looks the same.

Sustain - This box has been modified several times since V.1 due to user input

Please attach or include photos of the before & after