



# 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  
[dtoy@andersen-const.com](mailto:dtoy@andersen-const.com)

## **BKM: Trimble Tree**

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### **How does it work?**

The trimble tree allows crews to layout on a flat surface 2.5x faster than the traditional method.

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### **How does this benefit the project?**

The additional speed helps the project by increasing labor productivity.

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### **Why is this a Lean Method?**

The trimble tree reduces waste of "excess motion". With the trimble tree the crew can layout blue bangers on a flat deck much more quickly than the traditional method. The tripod and wheels facilitate a quick and accurate layout.



