CAM Superline, Inc. Lean Implementation 2

Overview
The growing trailer manufacturing company has not been able to keep up with the increased product demand. With a large variety of models and variations of trailers, it is important for the company to remain organized. However, the assembly area is not maximizing its efficiencies to enable the company to meet demand.

Objectives
The two main objectives focused on were to streamline and organize the assembly area for the trailers and to maximize efficiency for trailer assembly time.

Approach
- Brainstormed possible solutions to the problem
- Visited the plant and talked to the Owner, Managers and Employees about what was needed
- Created a decision matrix to weigh the options
- Completed a literature search of existing concepts and processes
- Designed, created, and tested a cart prototype
- A spaghetti diagram before the initiation of the cart and after was used to evaluate the results
- Both assemblies were timed and compared to current averages of the company
- Site was evaluated for 5S practices
- Pictures of the assembly area were annotated with suggestions of 5S implementation

Outcomes
- Manufacturing/production times of each trailer were reduced by 15 minutes as a result of this project
- The project reduced set up time, and improved efficiency for the assembly time of the trailer

Before

After