Lean Implementation Help – Team 1

Overview
CAM Superline Inc., located in Waynesboro PA, manufactures custom trailers and is an industry leader for dump and construction trailers. The facility asked the team to evaluate the front end of their processes. Traditionally, the company does not incorporate lean practices, which allowed for the opportunity for our team to identify a variety of areas to save the company time and money.

Objectives
The objectives of the project is to develop a process improvement plan of the front end of the facility. The goals include:

- improve the flow of materials from the time they enter the facility through the welding station
- standardize the layout for the workstations and the storage location of the parts retrieved from the warehouse by the material handlers
- increase the efficiency of the overall performance in the facility by reducing the number of steps per minute and therefore reducing the production cycle time for the trailers
- establish a concise plan for continuing the implementation of the improvements upon project completion

Approach
The team utilized 6s methodology and the 8 forms of waste principles to complete the project objectives. The project approach consisted of the following steps:

- Perform initial data collection and analysis through employee surveys and time analyses
- Develop current and future process state map
- Establish process improvement plan
- Create future state process flow map
- Develop specific process improvements in a comprehensive manner to deliver to the company management
- Develop plan for the facility to implement the outlined improvements

Outcomes
The results and benefits to CAM Superline are the following:

- Estimated 8% reduction in time after recommendations implemented
- 6.3% increase in production volume per week
- Results in an approximate increase in revenue of $35,000 per week
- Standardization of material handling processes
- Improved the cleanliness and order of the workspace