2008 Internship at General Motors

Rachel Koopman
Sophomore Year
Civil/Structural Concentration

Roof Support Structure Framing

I worked as a Structural Engineer for General Motors which meant I was placed in the Capital Projects group located in Pontiac, MI. My assignment was to write a Bill of Equipment (BOE) for Powertrain, Body Shop, Conveyors, and Robots. I also was required to create a spreadsheet that could be used to calculate the cost of any combination of bay sizes, depending on the country. In order for me to fulfill these lofty goals I needed to do a lot of research, touring, meeting with people at GM as well as out side of GM and writing. I learned an enormous amount about building requirements and structures. My communication skills also improved simply because of the situation I was placed in.

This is a picture of a Skid conveyor, they are very common within vehicle plants.

One page out of the Powertrain BOE