Steelcase Values and Atmosphere

Steelcase is an office furniture company based in Grand Rapids, MI. Steelcase was founded in 1912 based around steel baskets for offices. Steelcase was founded around:
- Act with integrity
- Tell the truth
- Keep commitments
- Treat people with dignity and respect
- Promote positive relationships
- Protect environment
- Excel

Massaud Lounge

There is a lounge, a task chair, and a ottoman. The ottoman was very interesting to look at. There was a four-bar linkage that had dampeners and springs to increase ease of opening and to not let the door shut on the users hand. This was a very interesting project even though I did not get to participate in the design, but I did get to use some calculations that I learned in class the previous semester.

Massaud Task Chair

The Massaud Task chair was getting out of phase 1 design and into phase 2. The suppliers had all been chosen and manufacturing locations chosen. The lines were being designed and final CAD work was being accomplished. They were shown at NeoCon which is North America’s largest design exposition and conference for commercial interiors. These chairs had 9 models made for the show. I helped organize parts for these chairs and helped build the models.

Bootlegger Chair

The Bootlegger chair is a lounge chair that has a tablet. The tablet is movable with a shelf underneath. The most interesting thing about the chair was that it was nestable. The chair should nest all the way up to 5 chairs. The chair had to small enough to fit through doorways. This made the design problem very fun to solve.

I helped with different tablet designs and mechanisms. The designer came up with the different designs and I helped with making those a reality. I helped the model shop guys find the correct designs.

I looked for BIFMA standards for chairs and table to make a general file for tables. There are European standards and US standards. These standards are not always the same across the world. Some of these standards add more weight for longer or less weight so if they met one they did not need to. This made it a fun excel challenge to figure out which ones should work and which ones would not work.