



Total Building Design

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Reflection

The AEI Student Design Competition was an appropriate culmination of the hard work and invaluable education provided to me by the Architectural Engineering program. In addition, the project proved to be the most challenging academic endeavor of my collegiate career. Though no blood or sweat was shed (that I know of), tears were shed as a result of sleeplessness and oftentimes hunger. Without such a supportive team, I truly cannot imagine our overall success as a team.

The majority of our time was spent researching the new technologies implemented in the building, as well as more common systems that are used in the building industry but yet were foreign to us as they were outside the scope of a typical AE education. Though this time spent was necessary, our efficiency in time management would have improved greatly had we known more about these technologies prior to the introduction to the project.

I jumped into the National ASCE Charles Pankow Foundation Student Competition “for the glory of Old State” to show the nation the high quality of education taught at our university as well as the invaluable education given to me through my internship experiences. Our team focused on creating a highly reliable, functional, maintainable design which we had achieved. In hindsight, seeing as this was a design competition, I feel as though we could have spent some more time researching more highly innovative mechanical designs to push us over our competition. As accurate numbers were not stressed heavily by the jury, it is interesting to imagine how far we could have pushed our design. However, as hindsight is 20/20, I am proud of my work done throughout the year, as well as the work produced by my teammates.