

Breadth Topics

In addition to my structural emphasis, I will also study the following topics:

- Construction Cost and Scheduling
- Acoustical Improvement

Since my structural emphasis will directly impact the size of members and the amount of material (steel and concrete) used, I will attempt to minimize cost of the structural system as compared to the existing structure. Along with cost analysis, scheduling or construction sequencing is another area of that I feel will be able to be improved upon. More specifically, the erection time associated with a more efficient lateral system and the use of thinner floor slabs should speed up construction.

The mixed use design of the building lends itself to having several different activities going on in a relatively small area. Some parts of the building are home to offices and classrooms as well as aerobic and weight training rooms. This close proximity can lead to unwanted noises and disturbances at inopportune times. Improving upon the existing acoustic qualities throughout the structure will benefit everyone inside.



Construction as of November 2006