



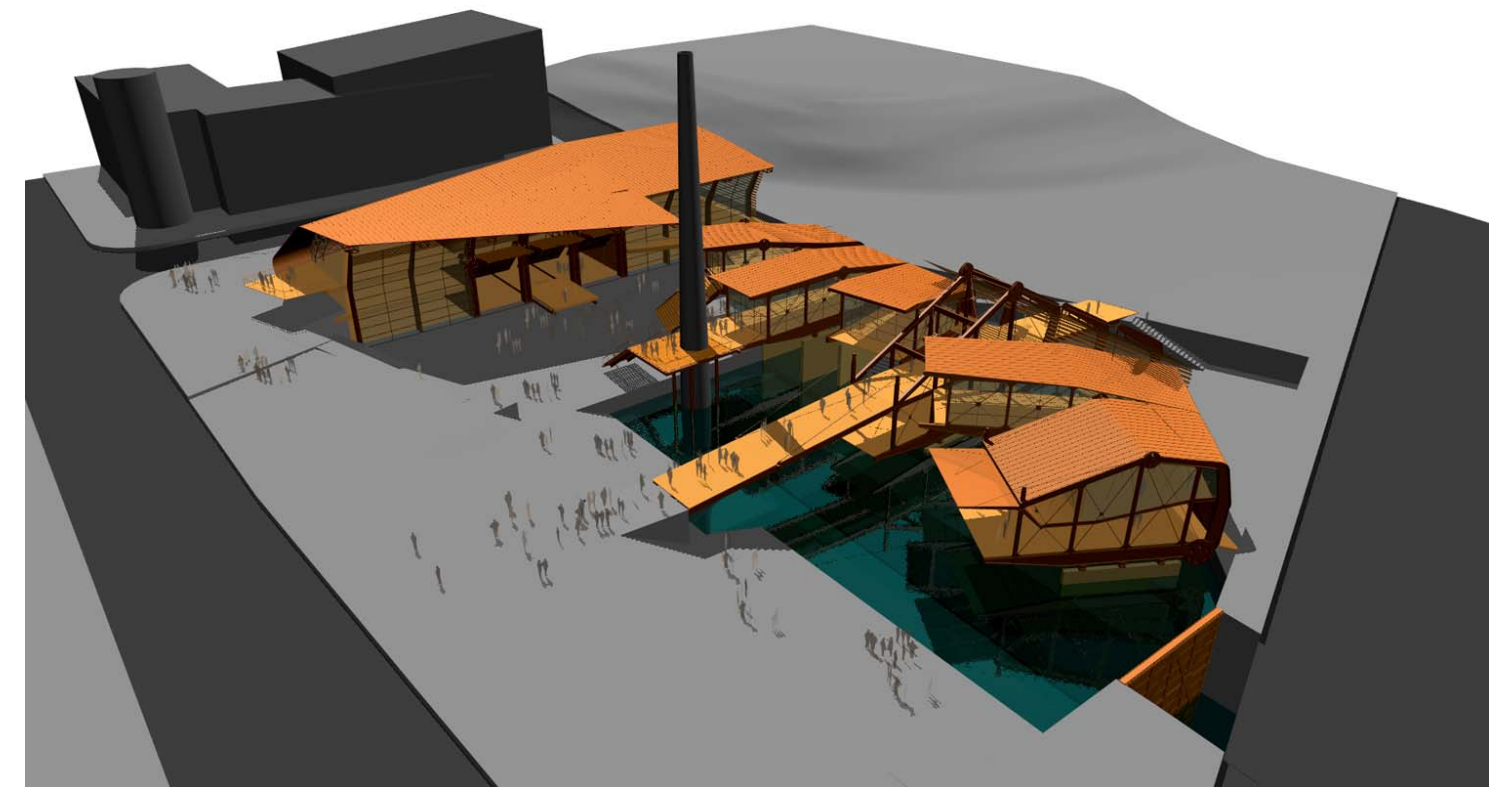
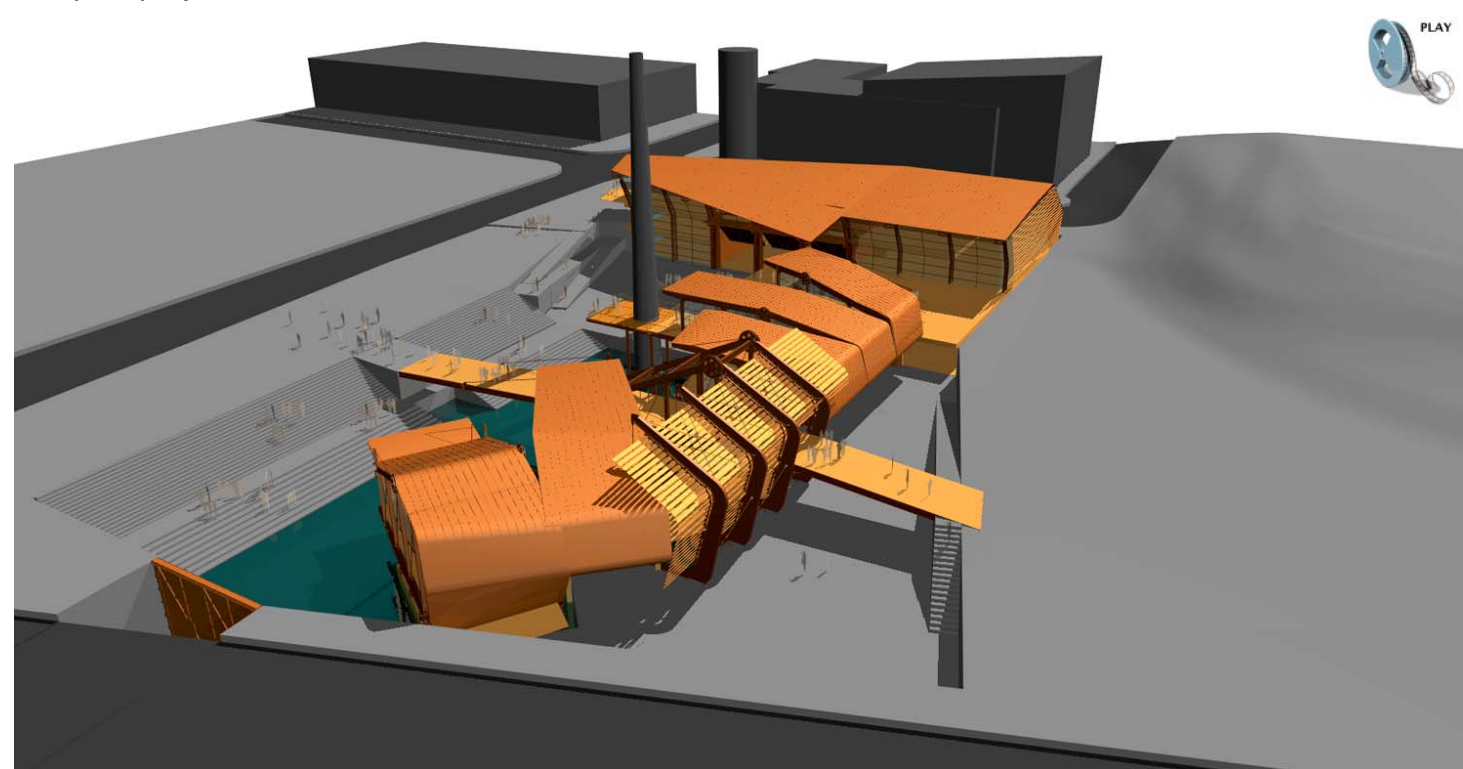
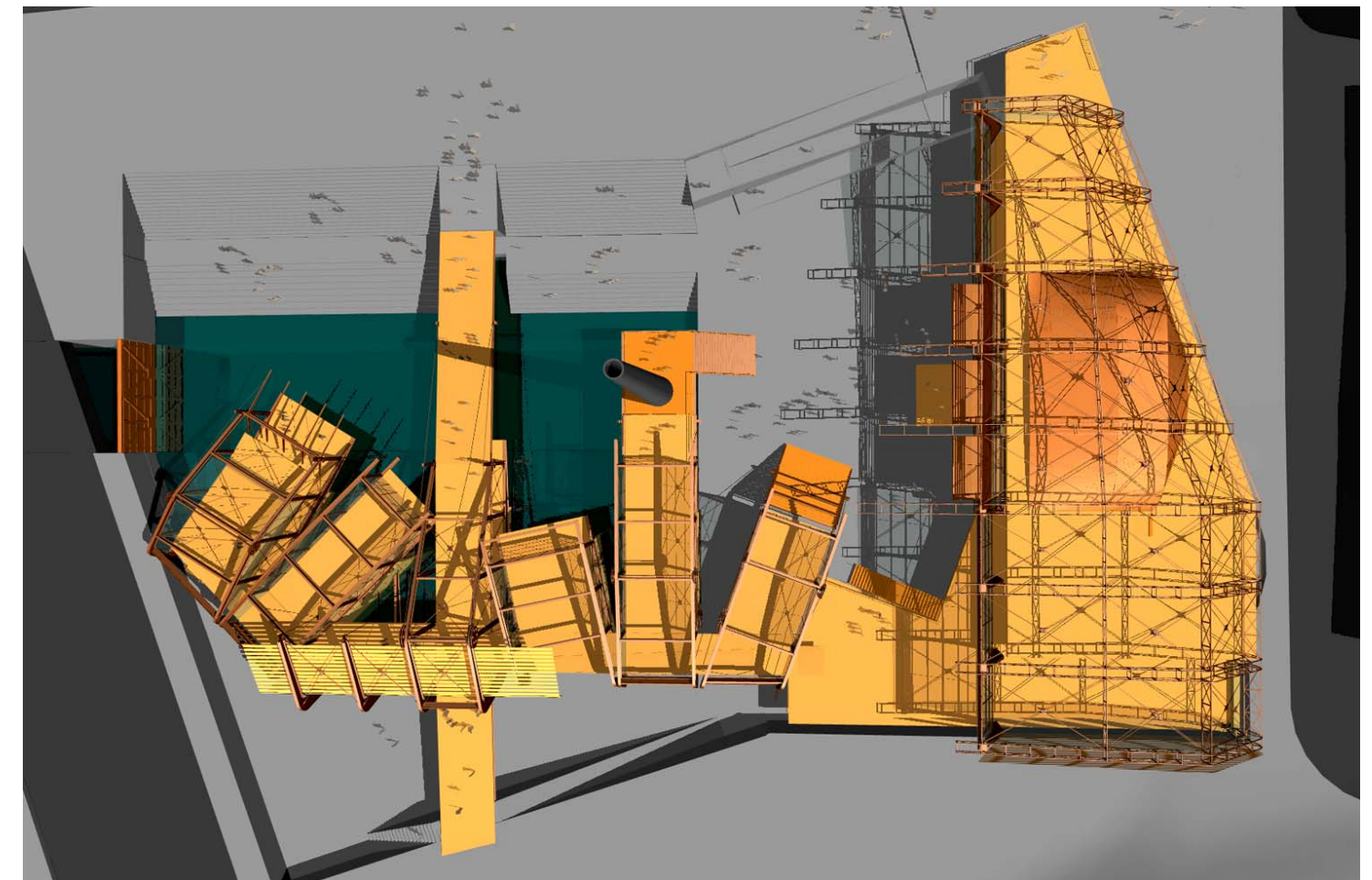
Project Title: **Lock Ten**
 Students Name: **Natalia Beard**
 Level: **Senior**
 Course: **Computer projects in design**
 Advisor/Instructor: **Mahesh Senagala**
 Principal Investigator: **Mahesh Senagala**
 Department / School: **School of Architecture**
University of Texas at San Antonio,
San Antonio, Texas

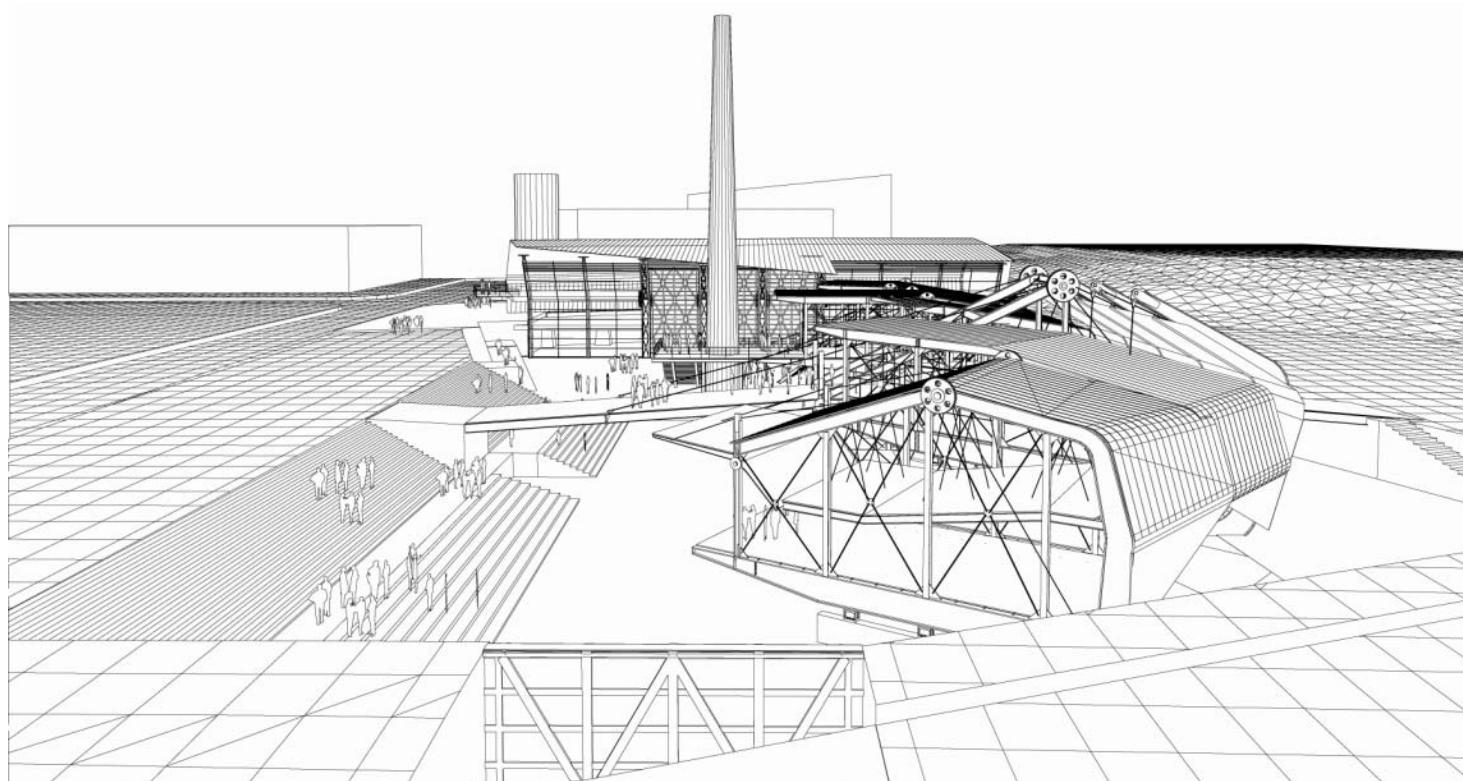
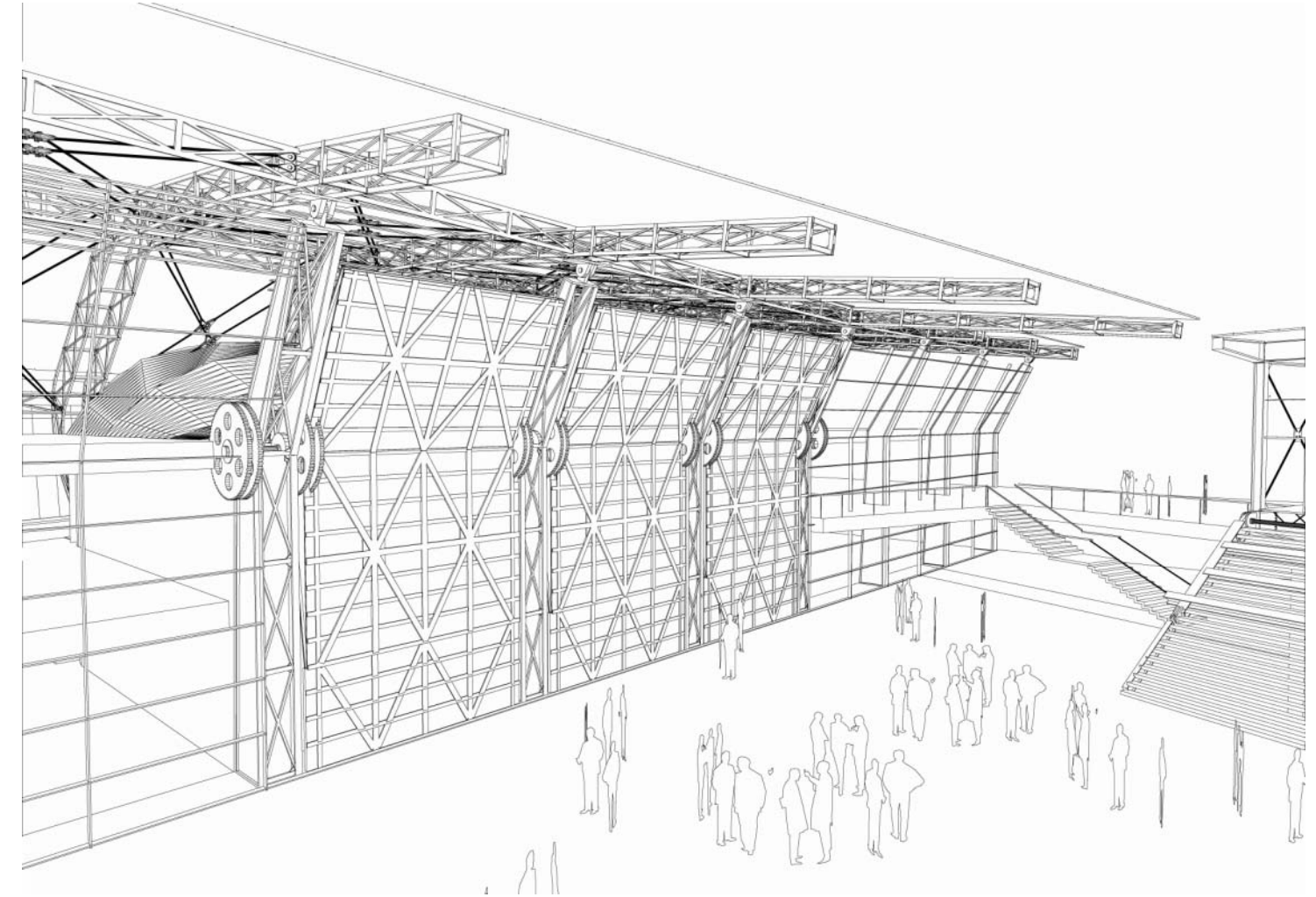
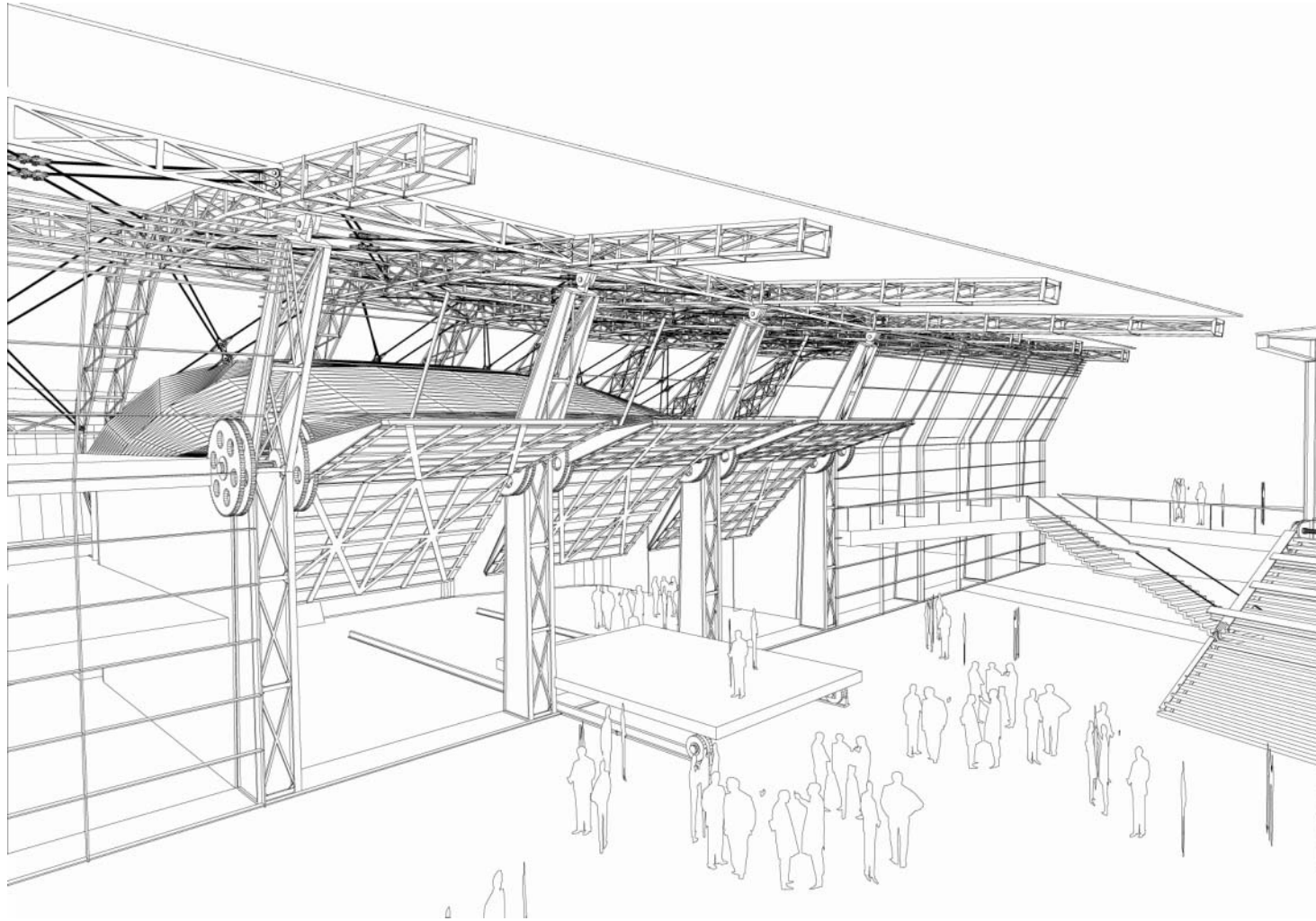
Summary description of project:

This is the Second Prize winning entry in the ACSA/AISC (American Institute for Steel Construction) competition. The competition called for an „Experimental Performing Arts Center% on the banks of Tennessee River in Chattanooga. The emphasis of the project was on the innovative use of structural steel. Tennessee River has nine locks that regulate the water levels and make the boat transportation possible. Using the center as a tenth lock on the river, This student incorporated into the design early 20th century steel techniques and construction to allude to the long history of the Chattanooga steel industry.

Reasons for the nomination:

This proposal is a unique solution to a multitude of problems: problems of history, urbanism, structure, topography, riverfront, program and circulation. **form•Z** was used right from day one as a part of the Computer Projects in Design course. The software acted as a design incubator and was integral to the synthesis of the various problems, to evolve the design, to develop the detail and to communicate such a complex project to its audience.





Jury Comments

The rendering strategy as well as the animation techniques using **form•Z** software lends a believability to this dynamic 4th year student scheme. The "reality" of the materiality is subdued and avoids the over glossy imagery of rendering material reality just for the sake of realistic images. The author wisely understates the materiality, while fully exploiting the power representation plays in lending clarity to any complex, systematic approach to architecture. They carefully use the software to clearly represent the design intentions by showing restraint with all of the powerful visualization options provided by **form•Z**. This is quite a successful approach in the design process, and worthy of merit in the Joint Study Program.

- Kevin R. Klinger

