

## Peer Review of Final Design, Science Center Hartford, CT

### Project Description:

AI Engineers, Inc. was selected along with Weidlinger Associates, Inc. to perform a threshold peer review of this prominent 144,000 square foot structure, a key piece of Hartford's 30 acre Adriaen's Landing riverfront development. This unique structure designed by the renowned architect Cesar Pelli includes over 40,000 square feet of exhibit space, an observation deck overlooking the Connecticut River, a planted roof garden, underground parking facilities for 470 vehicles, and two theatres including a 230 seat large screen Omni theatre.

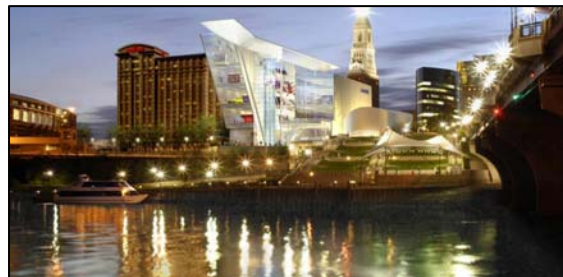
AI Engineers was selected to review the design of foundations and underground systems and elements for this project. This included a review of the pile, pile cap, and grade beam designs supporting loads from the main structure, the underground parking facilities and the perimeter retaining walls. The plans were reviewed for compliance with the Connecticut State Building Code and all reference standards, in particular the 2003 International Building Code. AI Engineers was also on call with the building's contractors to provide emergency design services to address any construction falling outside of tolerances as established in the building's specifications.

The report provided the results of our detailed, independent structural analysis of the systems and elements that were evaluated. Conclusions and recommendations with regard to code conformance were provided to the client.



### Salient Features

- Pile / Pile Cap Design to Latest CT Code Standards (IBC 2003)
- On-call services to contractors for emergency as-built design services



#### Location

Hartford, CT

#### Owner

Connecticut Science Center

#### Completion

2008

#### Construction Cost

\$59 million