


ASCE Charles Pankow Foundation
Annual Architectural Engineering
Student Competition
April 9th, 2010

**Building
Integration
Presentation**




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Preview

- **Service**
To benefit the community
- **Support**
To promote collaboration in the community
- **Sustainability**
To safeguard the future of the community



Site

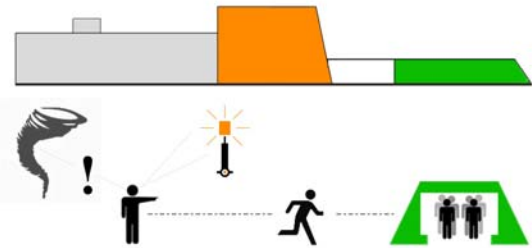


Site



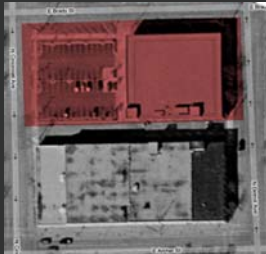
Tower Placement from Bridge

Site

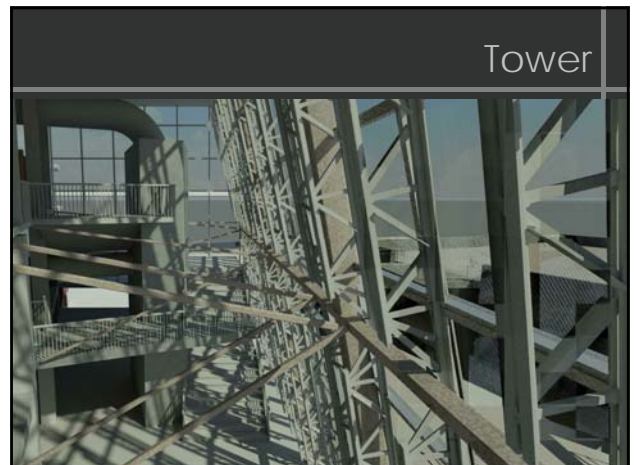
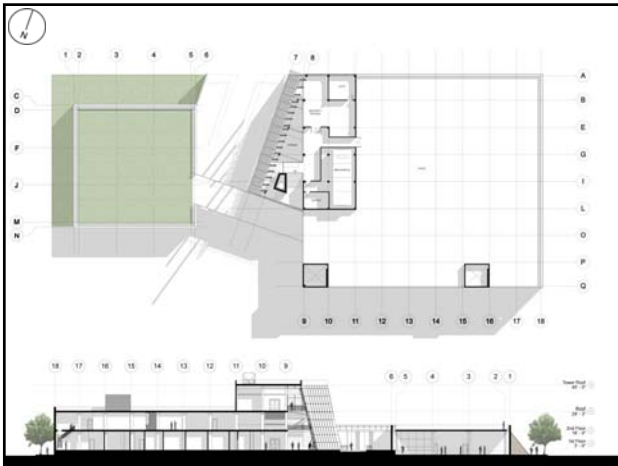
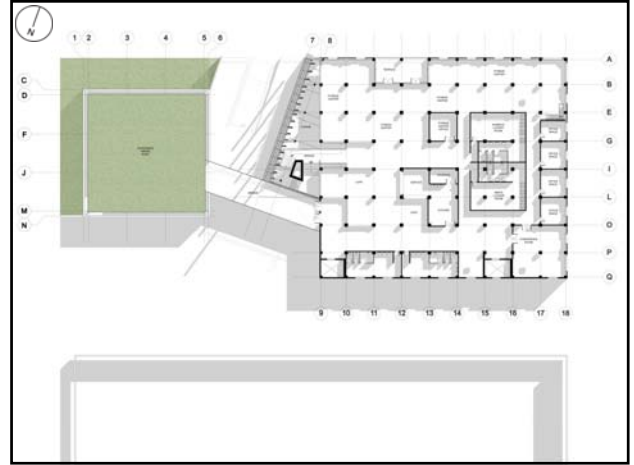
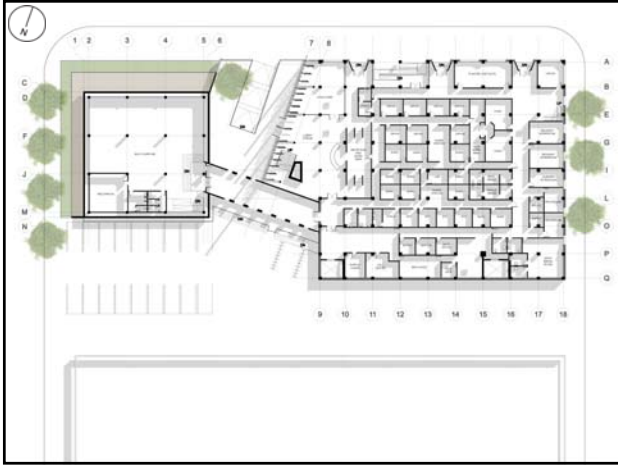


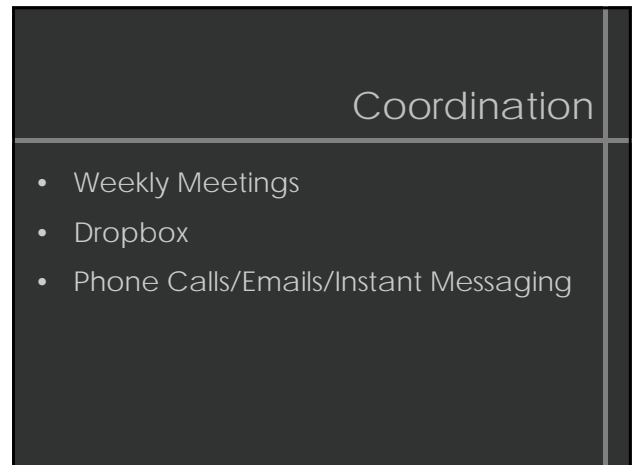
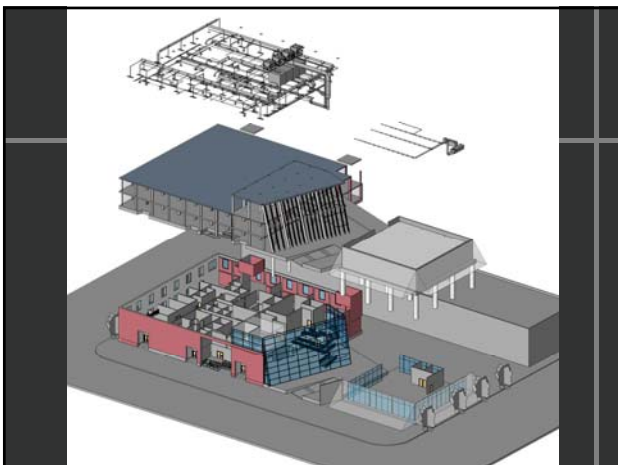
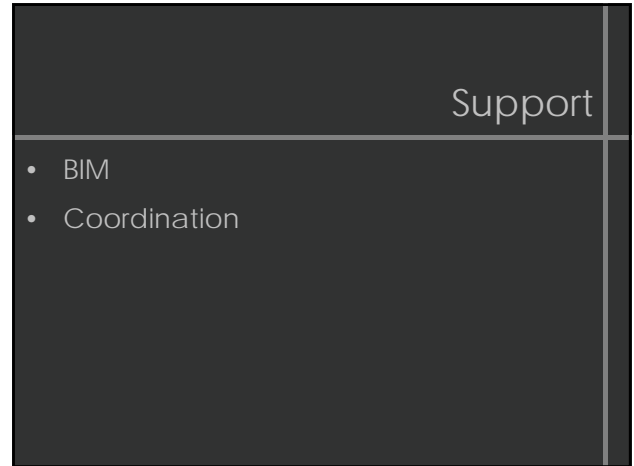
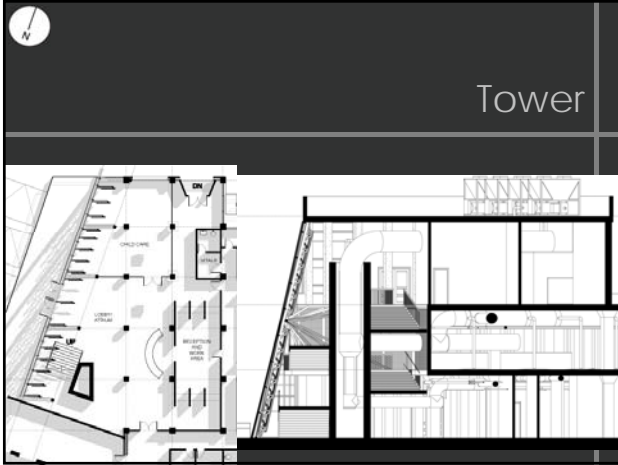
Warning ----> **Beacon** ----> **Bunker**

Site

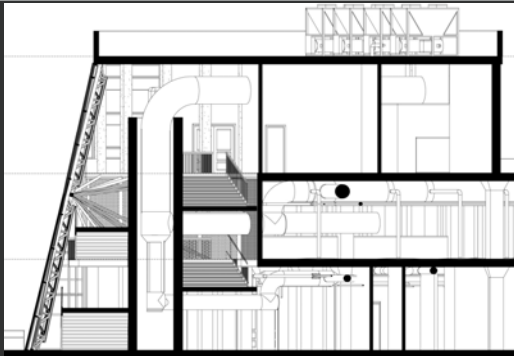


- To expand the existing program
- To create a definite "urban presence" for the facility
- To develop the existing site in a manner that leaves minimal "dead space"





Stair Core



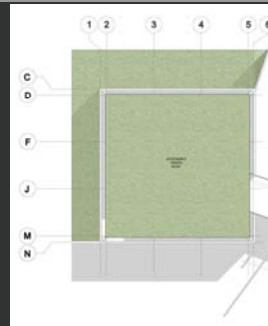
Sustainability

- Building Reuse
- Green Space
- Greywater System
- KalWall Glazing

Reuse of Existing Structure



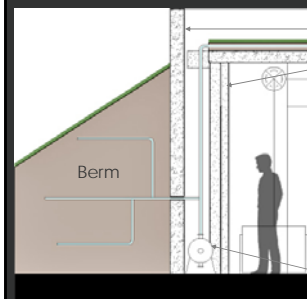
Green Space



Green Space



Greywater System



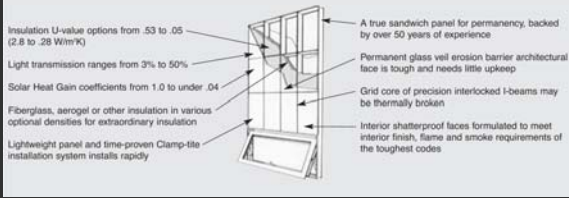
- Exterior Wall
- Interior Column of Tornado Shelter

- Water goes from:
- Sinks to
 - Tank to
 - Green Space

Greywater Tank

Section

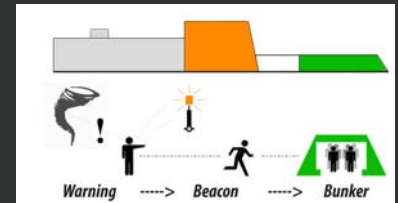
KalWall Glazing System



KalWall Glazing System



Walk-Through



Special Thanks to:

- Jim Guthrie, SE, Senior Project Advisor
- Jesse Madren, PE, Ph.D, Senior Project Advisor
- Mark Cabrinha, Advisor
- Craig Baltimore, SE, Ph.D, Advisor
- Al Estes, PE, ARCE Department Head