

Michael Wiegmann

Structural

Faculty Advisor: Prof. Hanagan



[BUILDING STATISTICS 1]

General Building Data

Name: Temple University Health Science Center

Location: Temple University, Philadelphia Pennsylvania

- West side of North Broad St between Venango and Tioga Streets

Occupancy & Function: Academic

- Classrooms, laboratories, research space, library, meeting & study space, and café.

Size: 480,000 sf

Total stories: 13 and one below grade

Project Team

- Owner: Temple University
- General Contractor & CM: Gilbane Inc
- Architecture, Structural Engineering, MEP: Ballinger Inc

Dates of construction:

- Start: September 2006
- Groundbreaking: November 1, 2006
- Completion: May 2009

Total Building Cost: \$150 million

Project Delivery Method: Fast track with bids broken up by trades and the critical path.

Architecture

Architecture (design & functional components):

- 249,000 sf of laboratory space
- 50,000 sf library
- Tower with atrium containing internal balconies.
- Glass tower connects to this used for multi-purpose spaces for “teaching, meetings, instructional support, and study space and dining. (Temple Website)”
- Large lobby area with a café.

Major national model code: IBC 2003, which is Philadelphia’s model code

Zoning The zoning is C3.

Historical Requirements of building or zone where built: None

Building Envelope:

- Roof: Built-up roof system. Need to verify.
- Facade systems: Glass and brick curtain wall