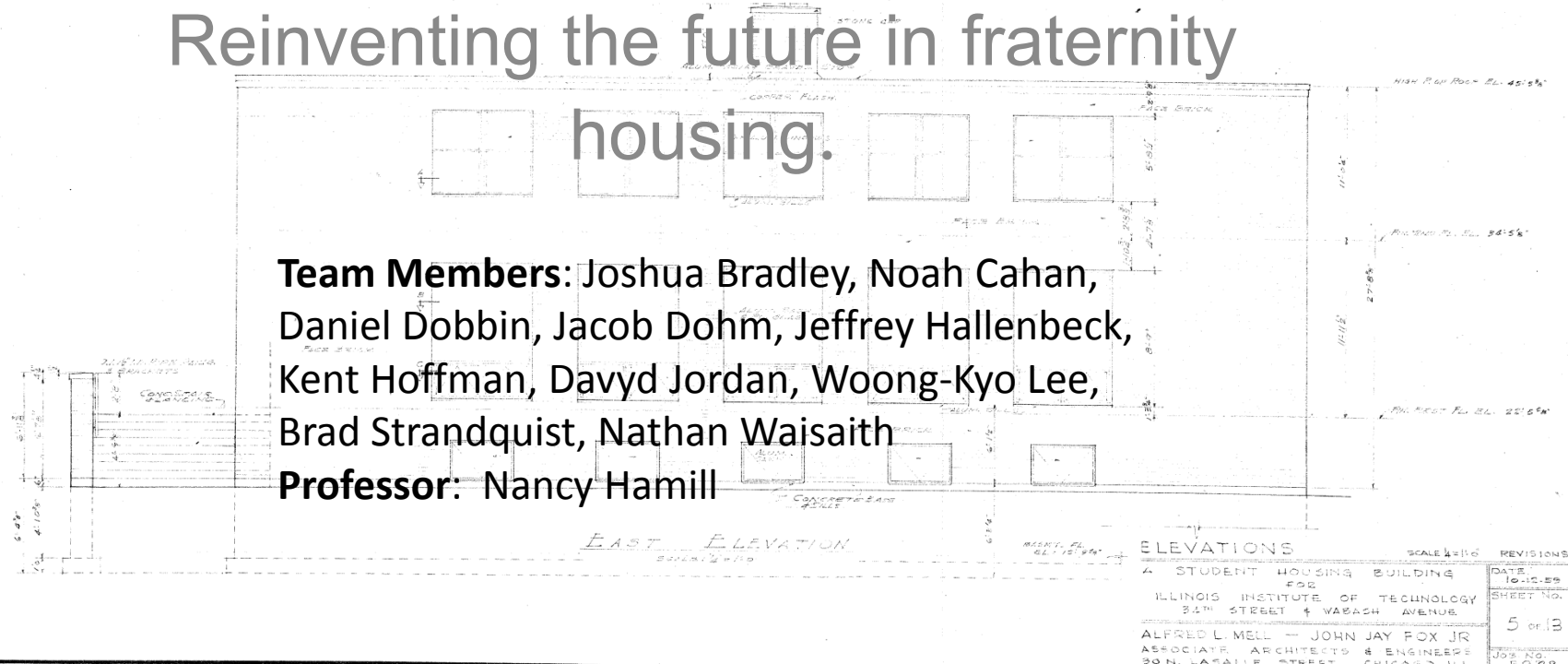




IPRO 311: Delta Shelter

Reinventing the future in fraternity
housing.

Team Members: Joshua Bradley, Noah Cahan,
Daniel Dobbin, Jacob Dohm, Jeffrey Hallenbeck,
Kent Hoffman, Davyd Jordan, Woong-Kyo Lee,
Brad Strandquist, Nathan Waisaith
Professor: Nancy Hamill



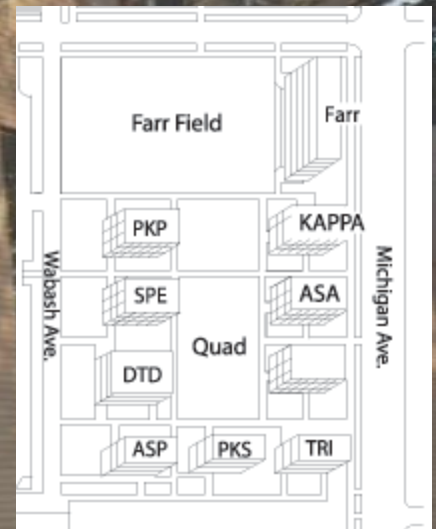
History of Greek living at IIT

- Greek life has long been a part of collegiate living
- Greeks on Armour's Campus since 1900
- Fraternity Row on Michigan 1910-1960
- Greeks move to Quad around 1960



Where we are **now**

- Current $\Delta T \Delta$ Shelter is approaching 50 years
- Success and Problems w/ Maintenance
- All chapter houses in similar condition



Map of Quad

Project Objectives

- Renovation(s) Proposals
- Sustainable Fraternity Living
- Long Term Goal – Planning for the next 50 yrs

Project Phases



PHASE 1

- Research: Identify problems with existing structure
- Programming: Investigate the current program



PHASE 2

- Research: Generating solutions to problems discovered
- Programming: Evaluate questionnaires, compile data, and begin initial design options



PHASE 3

- Refine ideas
- Create final proposal

Team Breakdown

Programming team

Creating a program
that better fits the
needs of the chapter

Davyd Jordan

Jeff Hallenbeck

Brad Strandquist

Jake Dohm

Research team

Assessment of all
problems of the
existing building

Josh Bradley

Noah Cahan

Woong-Kyo Lee

Dan Dobbin

Nathan Waisath

Kent Hoffman

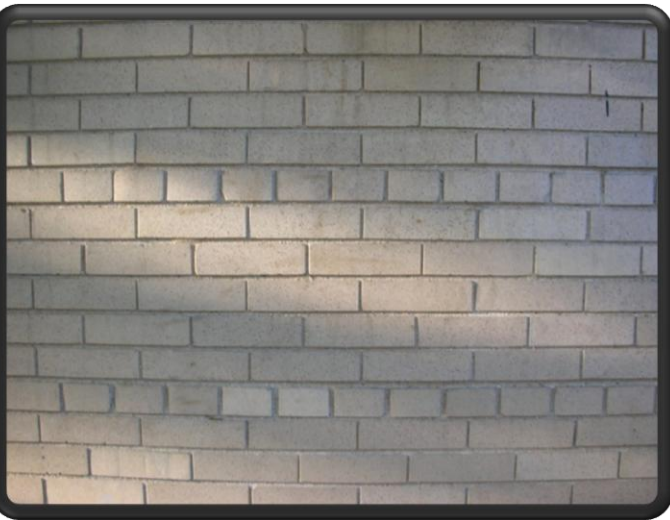
Progress (Research)

- Building Systems
 - Envelope
 - Mechanical
 - Structural
 - Plumbing
 - Code
 - Electrical
- Energy Audit

Goal:

to educate ourselves on the key issues so we can make competent decisions.

Structure



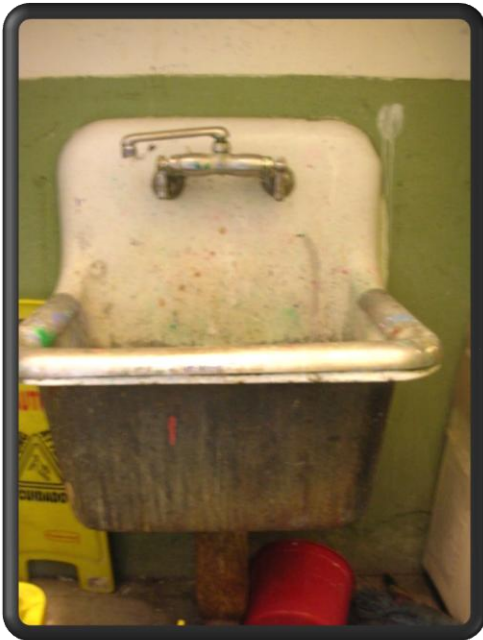
Envelope



Code



Plumbing



Electrical



Mechanical



Progress (Programming)

A detailed floor plan of a residence hall is shown in the background. The plan includes various rooms such as a Kitchen (top left, pink highlight), Dining (bottom left, blue highlight), Library (center), Vestibule (bottom center), Ladies Room (bottom right), and a large TV/Lounge area (far right, yellow highlight). The highlighted areas correspond to the programming study topics listed in the foreground.

- Study of Current Program
- Questionnaires/ Surveys
- Current Trends in Collegiate Living
- Re-Programming

Future Project Steps

- Further Research
- Re-Programming
 - Possible Addition of Third Floor
- Tiered Proposals System
- Find Unified Goal



Questions, Comments, Concerns?