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 ΔΤΔ 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.
Plumbing

Electrical

Mechanical
Progress (Programming)

• 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