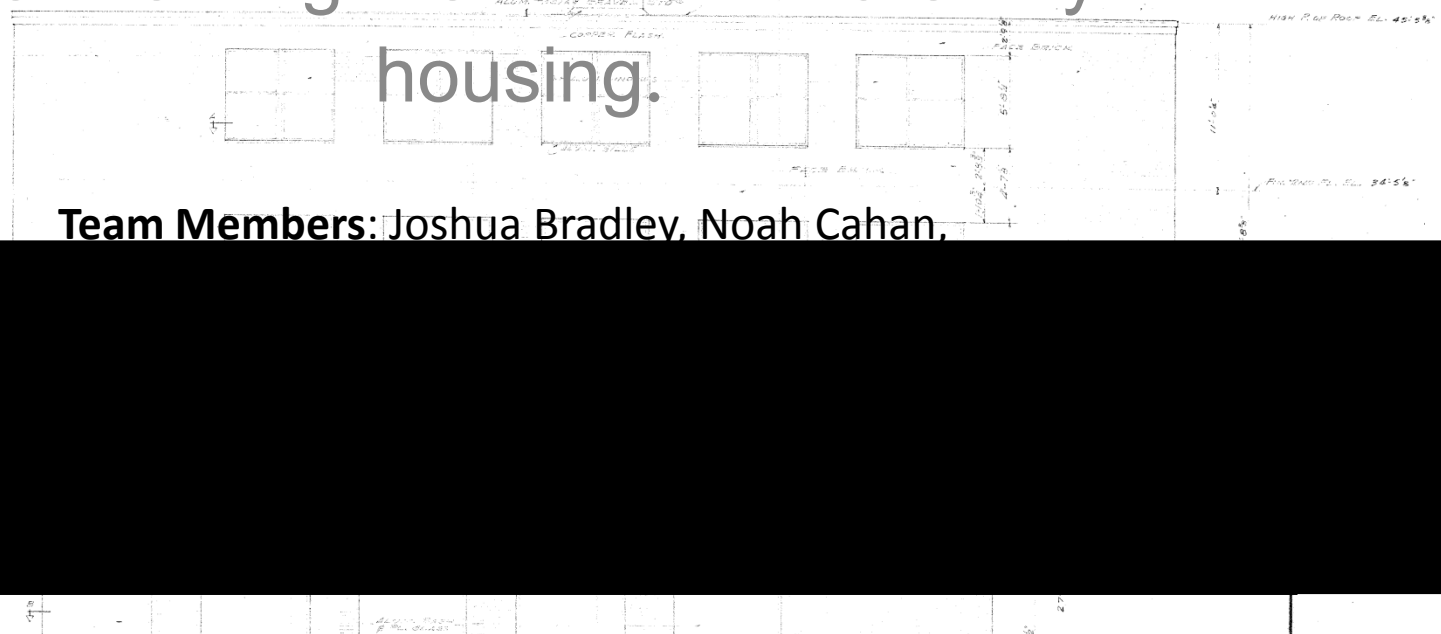


IPRO 311: Delta Shelter

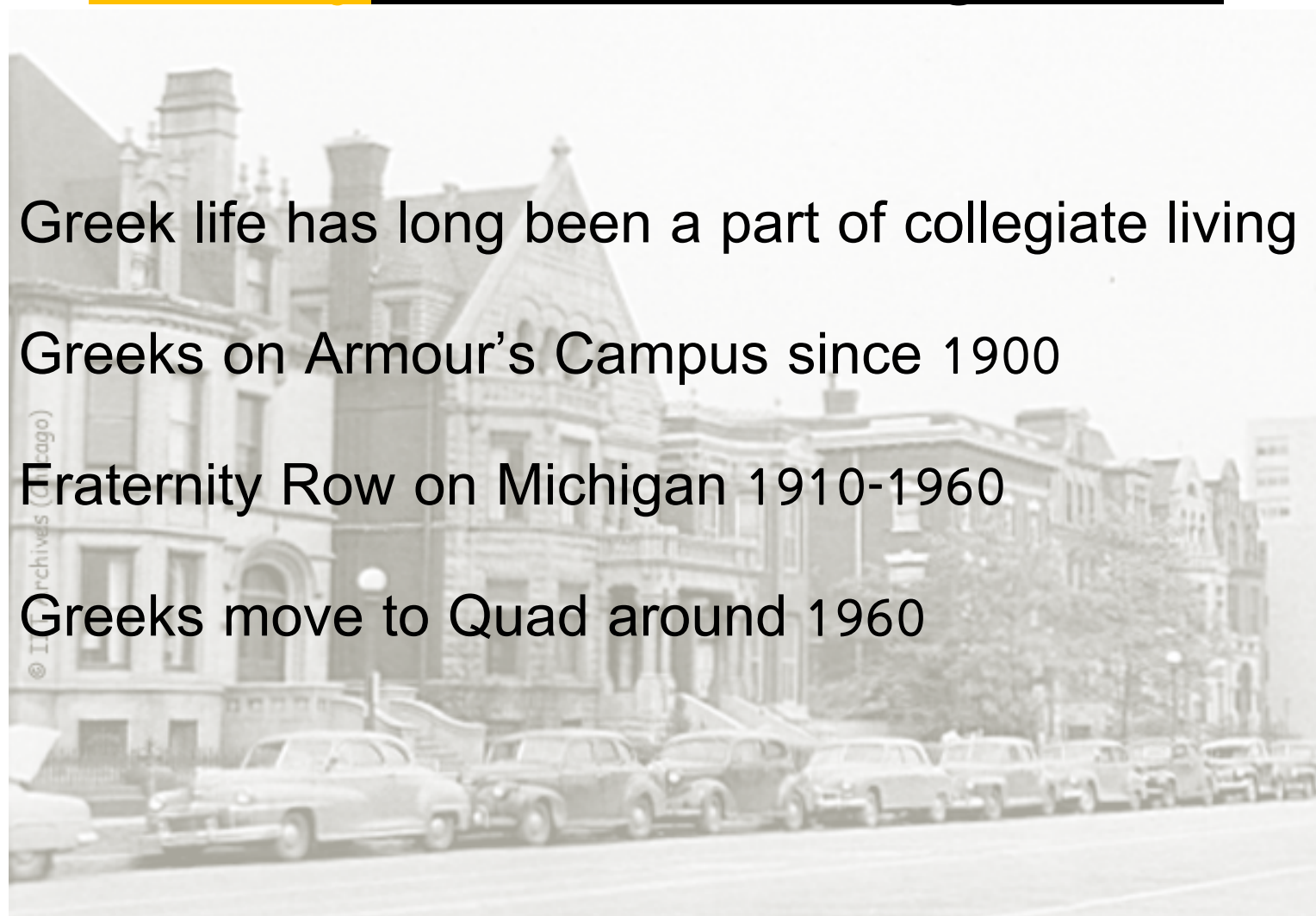
Reinventing the future in fraternity housing.

Team Members: Joshua Bradley, Noah Cahan,



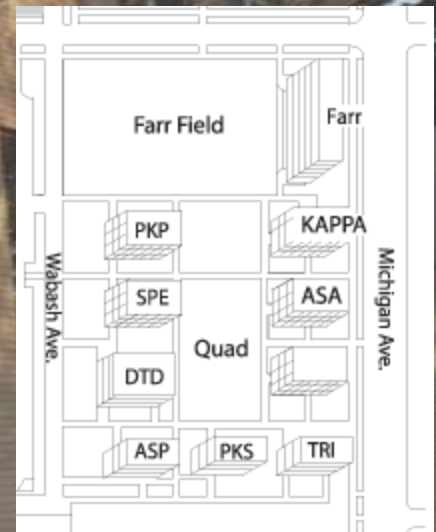
History of Greek living at IIT

- 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



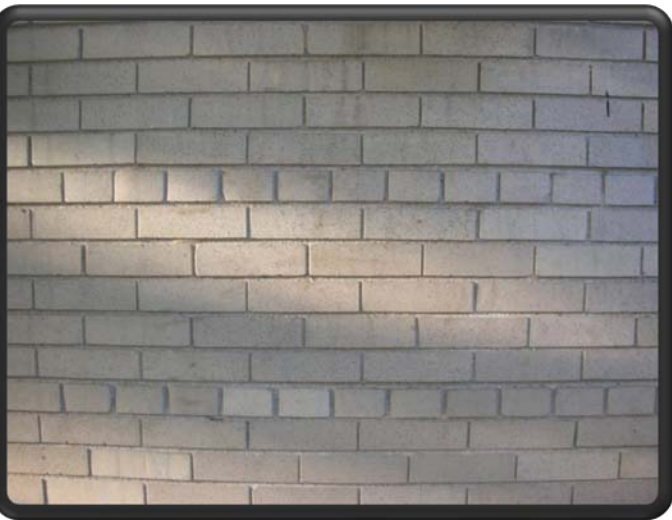
Progress (Research)

- 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



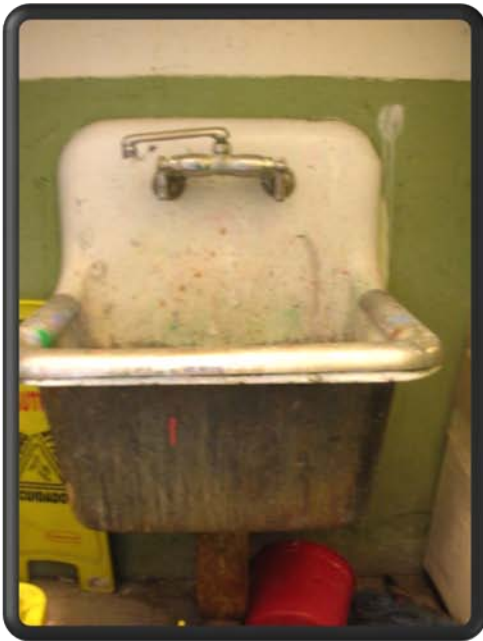
Envelope



Code



Plumbing



Electrical



Mechanical



Progress (Programming)

A floor plan of a residential unit is shown in the background. The plan includes a Kitchen (top left, highlighted in pink), Pantry Storage (below kitchen), Dining (bottom left), Library (center), Vestibule (bottom center), Ladies Room (right center), Fireplace (right side, highlighted in yellow), and TV Lounge (right side, highlighted in yellow). The text 'Progress (Programming)' is overlaid at the top center. A list of four bullet points is overlaid on the left side, with the first two in a blue box and the last two in a yellow box.

- 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?