

ARCHITECTURAL DESIGN



A SUSTAINABLE LIVING LABORATORY

Serving as a monolithic landmark amongst the traditional brick and mortar or white veneer City facade streetscapes, LoHi stands out among its neighboring competitors in appearance as well as present residential culture.

LoHi offers residents the opportunity to live sustainably in an energy efficient apartment style home, while being constantly and integrally exposed to all of the working systems that enables the building to remain in a unique category of its own. Residents not only live in an eco-friendly home, they constantly are exposed to how their actions affect the overall buildings sustainable goals.

Design-Fine Tuned & Energy Analysis Success
 Advancement Notification as Finalist
 Division of Tasks & Labor Presentation Plan
 Week 10: On Campus Public Gallery Display of Project

Figure 10

TOTAL 10 WEEKS

Figure 03

PRODUCTION

TIMELINE

TURNING POINTS

NOVEMBER

Build Internal & External Resources
 Project Intro
 All Member Team Introductions
 Design Concept & Vision Identified
 Team Application Deadline

1st Team Meeting

DECEMBER

Individual Background Research & Precedent Analysis
 Building Science Training
 Precedent Research

JANUARY

Housing Needs & Precedents
 Week 1: Site & Zoning Analysis
 Design Charrette: Key Sustainable Strategies
 Week 2: Orientation Planning
 Design Critique: Massing, Enclosure, & Daylighting
 Week 3: Persona Development
 Schematic Design Layout

Massing Development: I-Model
 ARC 24/hr Design Charrette
 Massing Development: Zig-Zag Model

FEBRUARY

Preliminary Design
 Week 4: Unit Development
 Preliminary Energy Analysis
 Design Critique: Industry Partner on Universal Design
 Week 5: Back to the Drawing Board
 Design Review with Faculty Partner Ted Christian
 Design Critique: Industry Partner on Net Zero Energy Strategy

Energy Analysis Failure/Project Jeopardy
 ARC 4/hr Work Session
 Massing Finalization: "Dumbbell" Model

MARCH

Design Development
 Week 7: Presentation Plan for Division of Tasks & Labor
 Week 8: Deliverable Development
 Financial/ Cost Analysis
 Construction Docs
 Project Booklet/Posters
 Week 10: Campus Gallery Display & Presentation

Week 6: Project Progress Report Due

10