



LUC PHINNEY

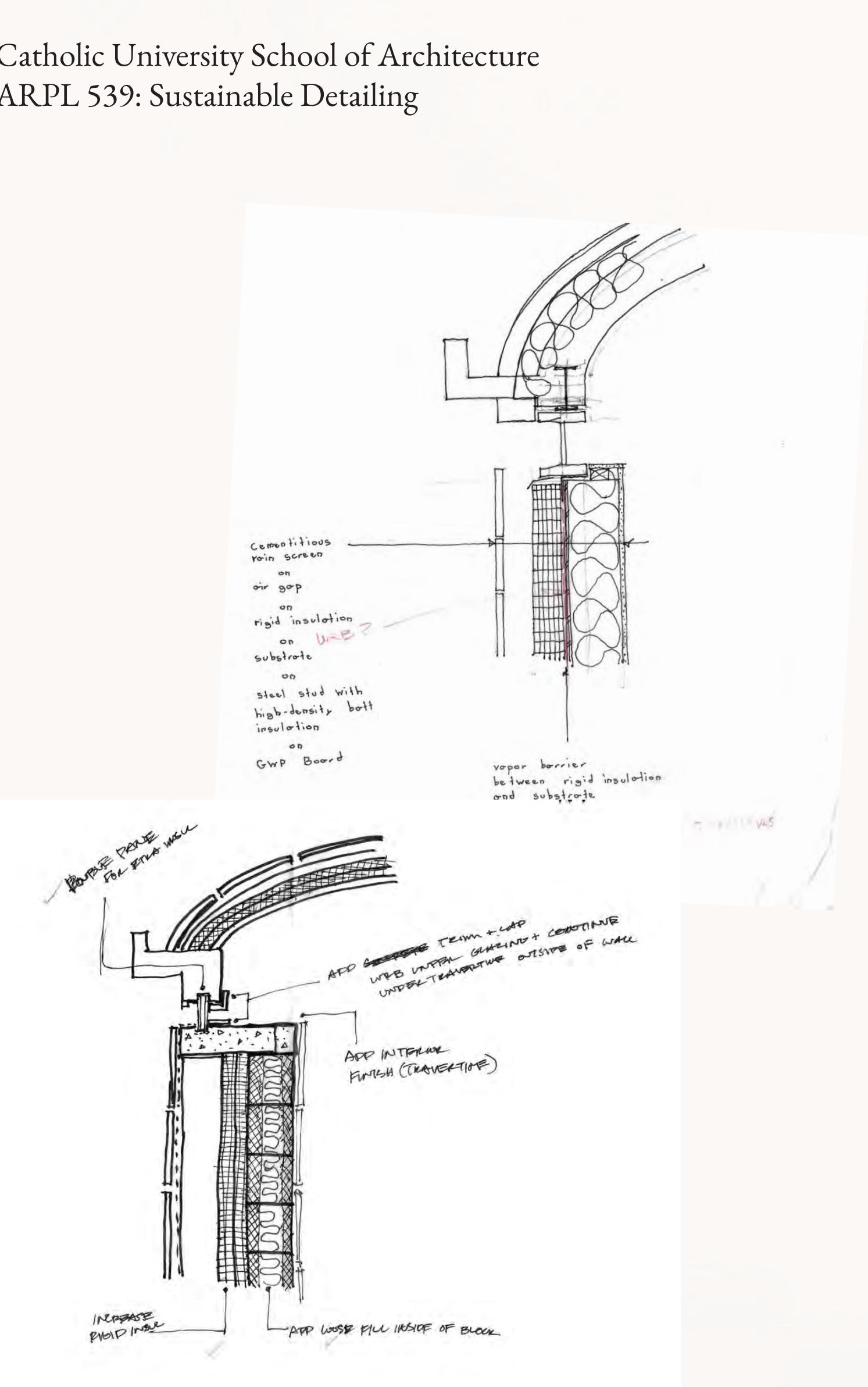
PORTFOLIO

SUBJECT AREA
**DESIGN DETAILING AND
CONSTRUCTION DOCUMENTS**

RELEVANT COURSES TAUGHT

Johns Hopkins University

371.177: Design Studies: Detail Product Prototype



Midterm exam sketches, showing student speculative reconstructions and proposed improvements to the wall-roof detail of Kahn's Kimball Museum

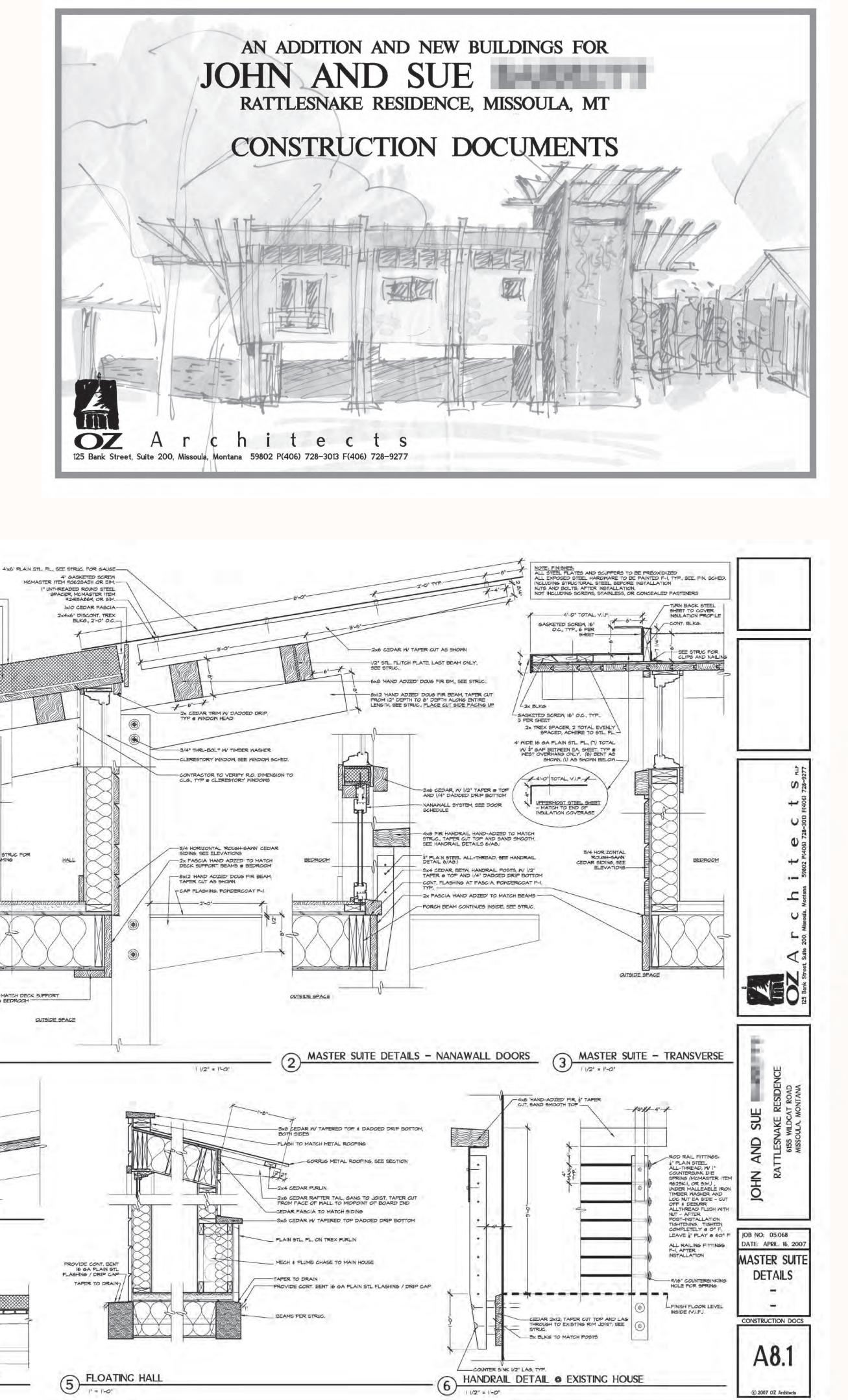
SCHOLARSHIP AND PUBLICATION



early treatments of construction documentation in architectural practice, presented at multiple years' ACSA annual meetings.

DESIGN DETAILING AND CONSTRUCTION DOCUMENTS

ADJACENT WORK IN SCHOLARSHIP AND PROFESSIONAL PRACTICE



Design, documentation, permitting, and construction administration for Fletcher (left) and Barrett (right) residences, with OZ Architects, Rattlesnake canyon, Montana

SUBJECT AREA
HISTORY-THEORY

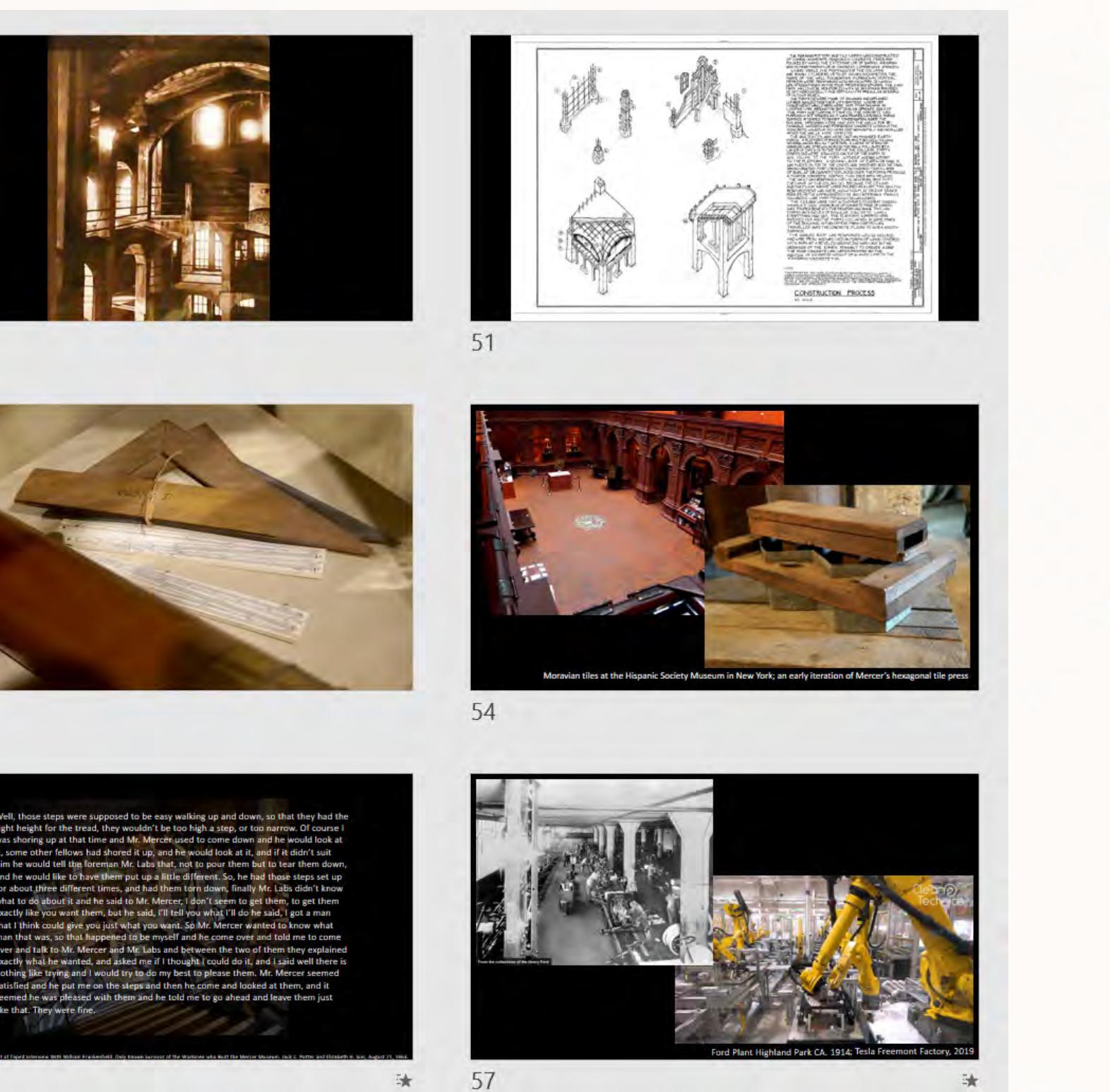
RELEVANT COURSES TAUGHT

Catholic University School of Architecture
ARPL 211/611 History 1

Marywood University
ARCH 128 History and Theory of Architecture and Interior Architecture I

Catholic University School of Architecture
ARPL-409-02 History and Theory of Design Representation (in development)

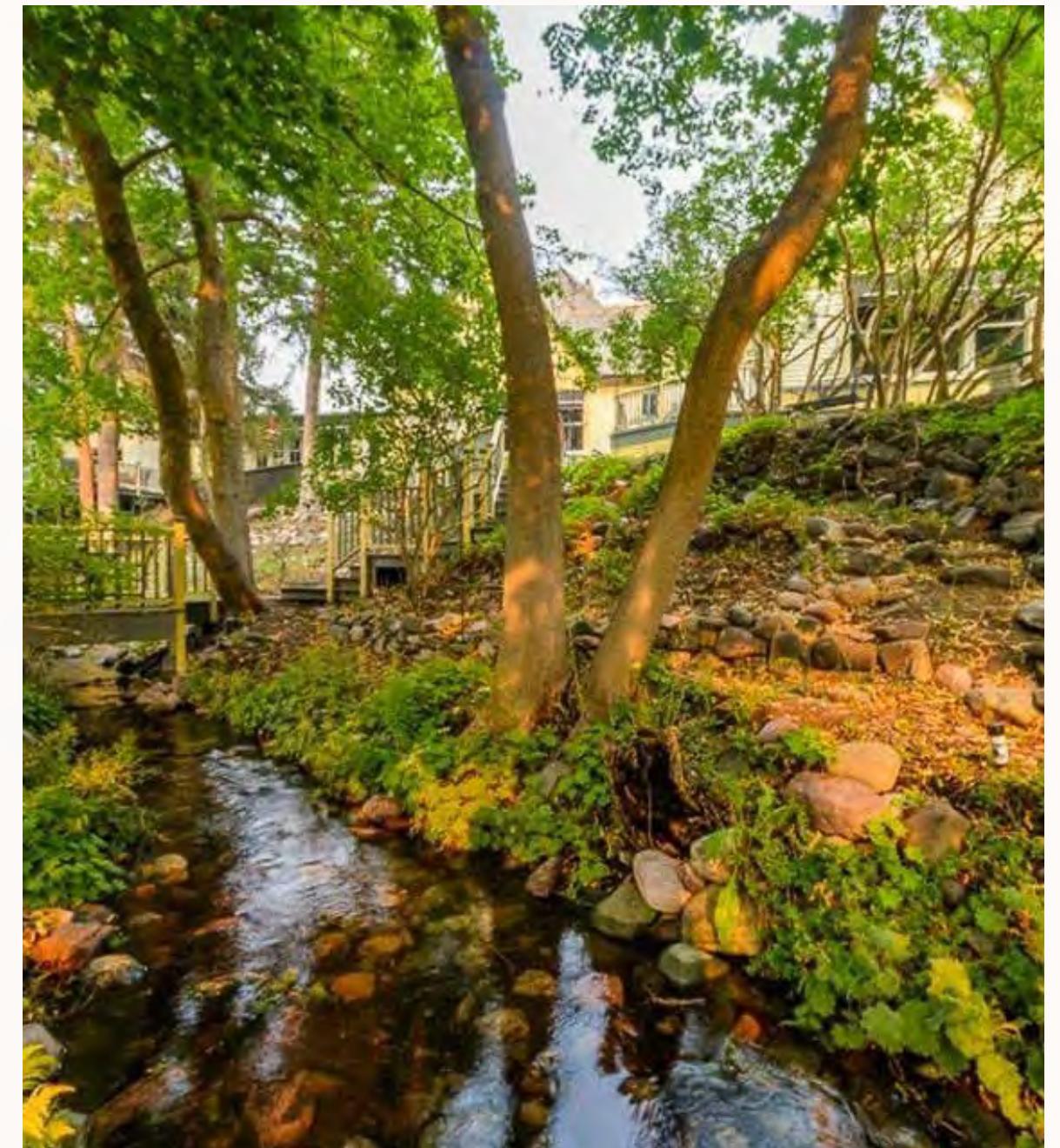
SCHOLARSHIP AND PUBLICATION



Harnessing Uncertainty: Lessons from a lost method for reinforced concrete construction, and why it is more relevant now than ever
2020 Talk for the Latrobe Chapter of the Society of Architectural Historians

SUBJECT AREA
HISTORY-THEORY

ADJACENT WORK IN PROFESSIONAL PRACTICE



Raymond House - with OZ Architects
Historic preservation and conservation, building addition and landscape architecture



Missoula Art Museum - with OZ Architects - Addition to a Carnegie library and museum expansion - historic building documentation and construction documents.

SUBJECT AREA STUDIO

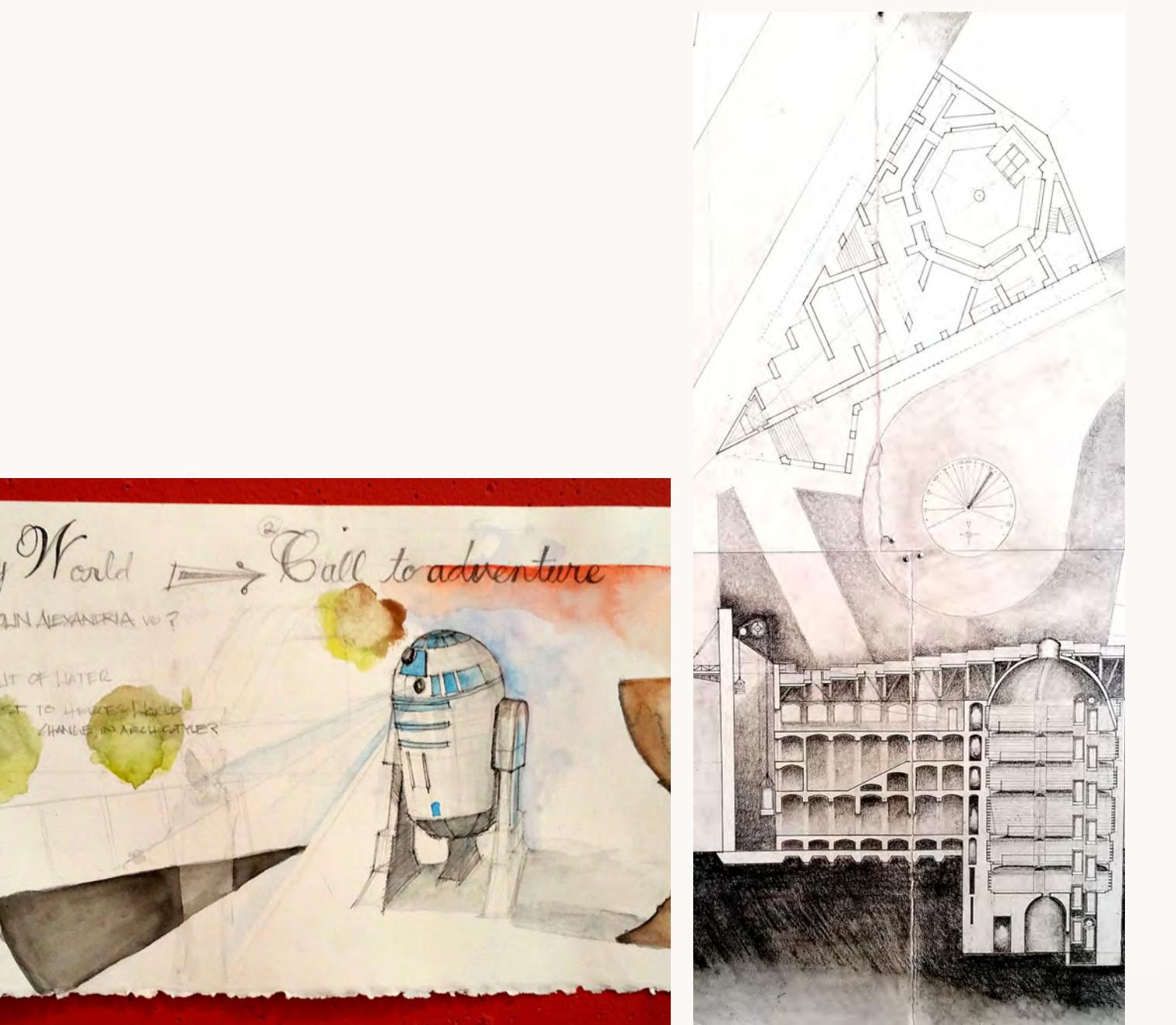
RELEVANT COURSES TAUGHT

Catholic University School of Architecture
ARPL401/501 4th Year Studio: Confluence Fall 2025

Montgomery County Public Schools Construction Trades Foundation Student Built House Project
Residential Design Studio 2023-2025

Johns Hopkins University
Art of Architecture Fall 2011 - Fall 2023

WAAC Virginia Tech
Assistant Teaching as Ph.D.
Farfalle Studio Spring 2015
Braickyard Studio Spring 201



Studio artifacts from students at the WAAC



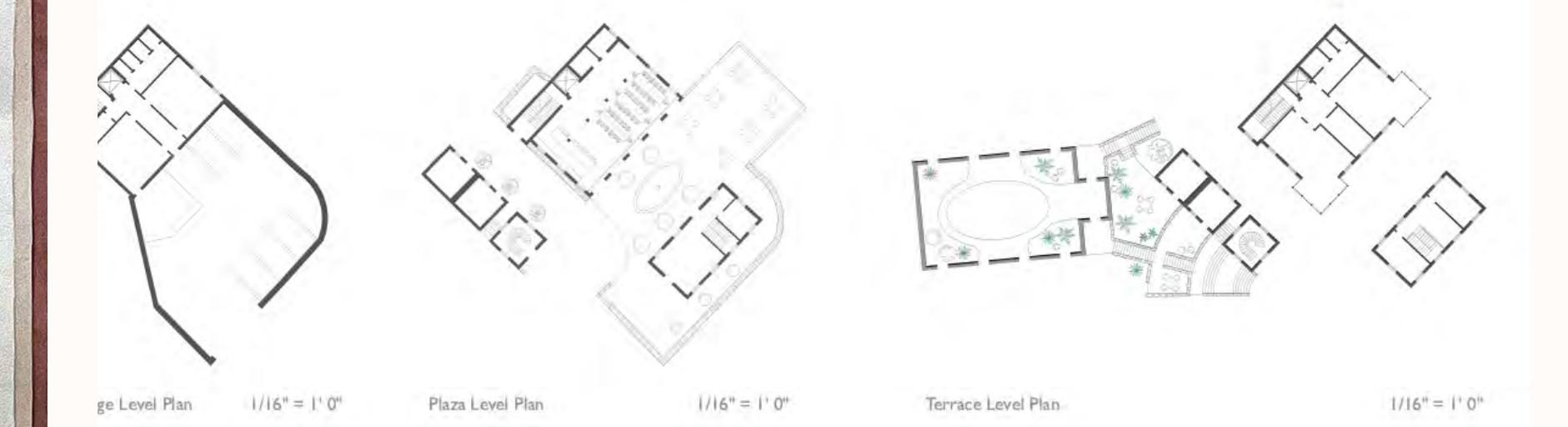
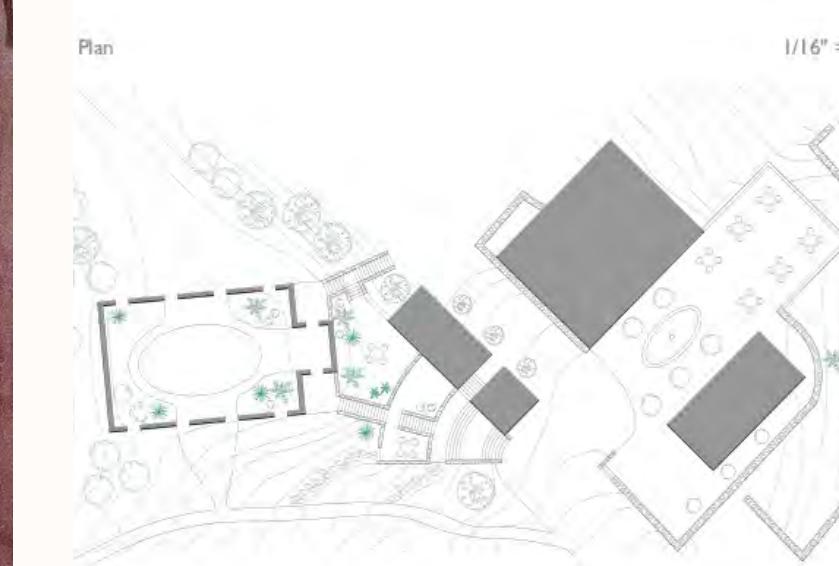
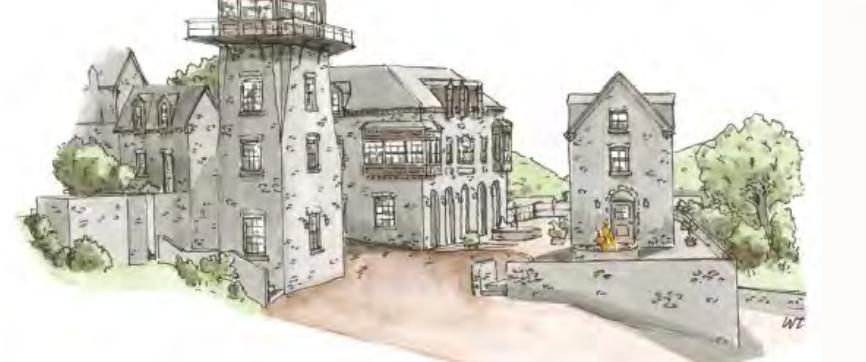
The Art of Architecture at Johns Hopkins



"Confluence Studio": 4th year undergraduate studio at Catholic University

SUBJECT AREA STUDIO

Church Street Conservancy
Harper's Ferry, WV
Walter Cunningham
ARPL 401 Fall 2025



NEW PATHS



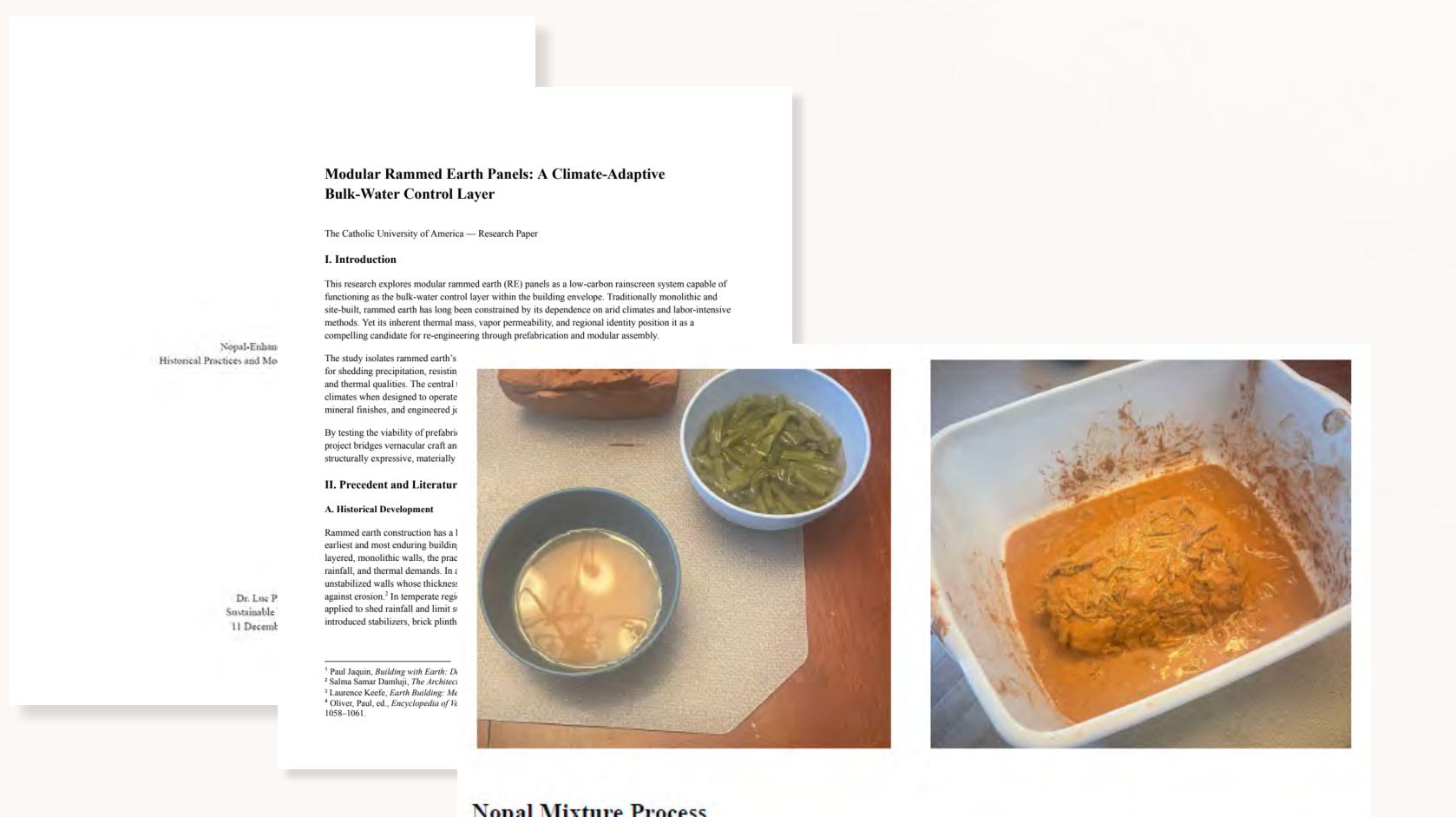
SUBJECT AREA
SUSTAINABLE DESIGN AND BUILDING TECHNOLOGY

RELEVANT COURSES TAUGHT

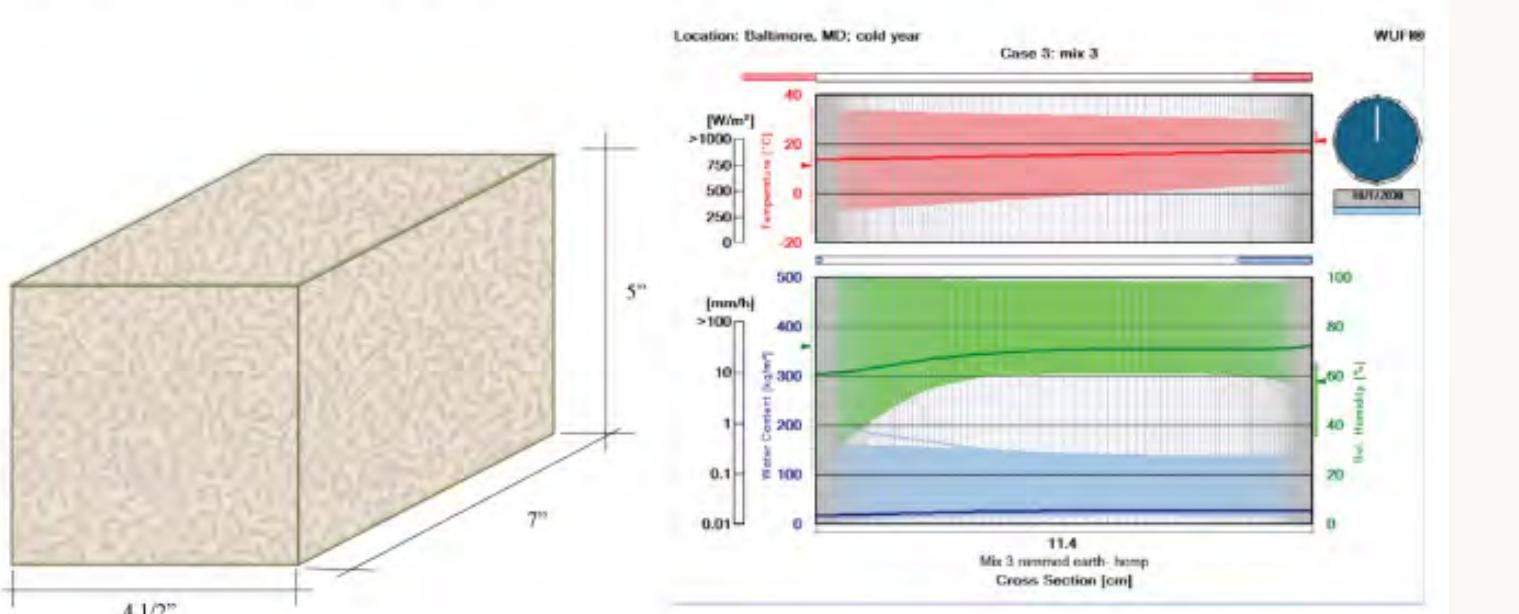
Johns Hopkins University Center for Visual Arts
AS.371.175 The Art of Architecture

Catholic University School of Architecture
ARPL 539: Sustainable Detailing

Also woven throughout many of my classes!



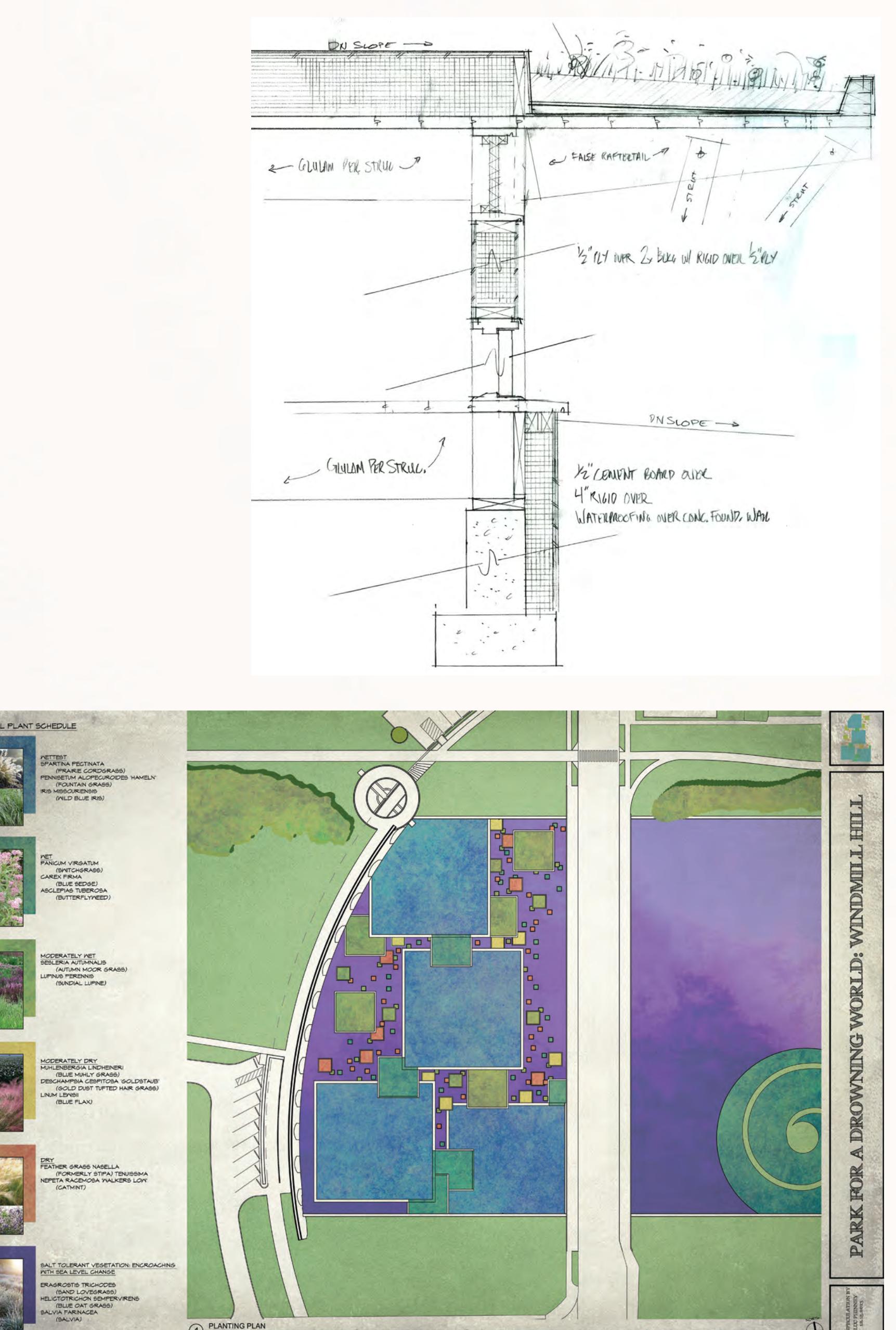
Mix 3: Standard Rammed Earth + Cement + Hemp + Hydraulic Lime



Mix 3 exhibits the most favorable hygrothermal performance of all three formulations. The WUFI diagram for Mix 3 shows:

Student work: Research paper, including novel detail development, prototyping, and analysis in WUFI for Sustainable Detailing

ADJACENT WORK IN SCHOLARSHIP, BUILDING RESEARCH, AND PUBLICATION



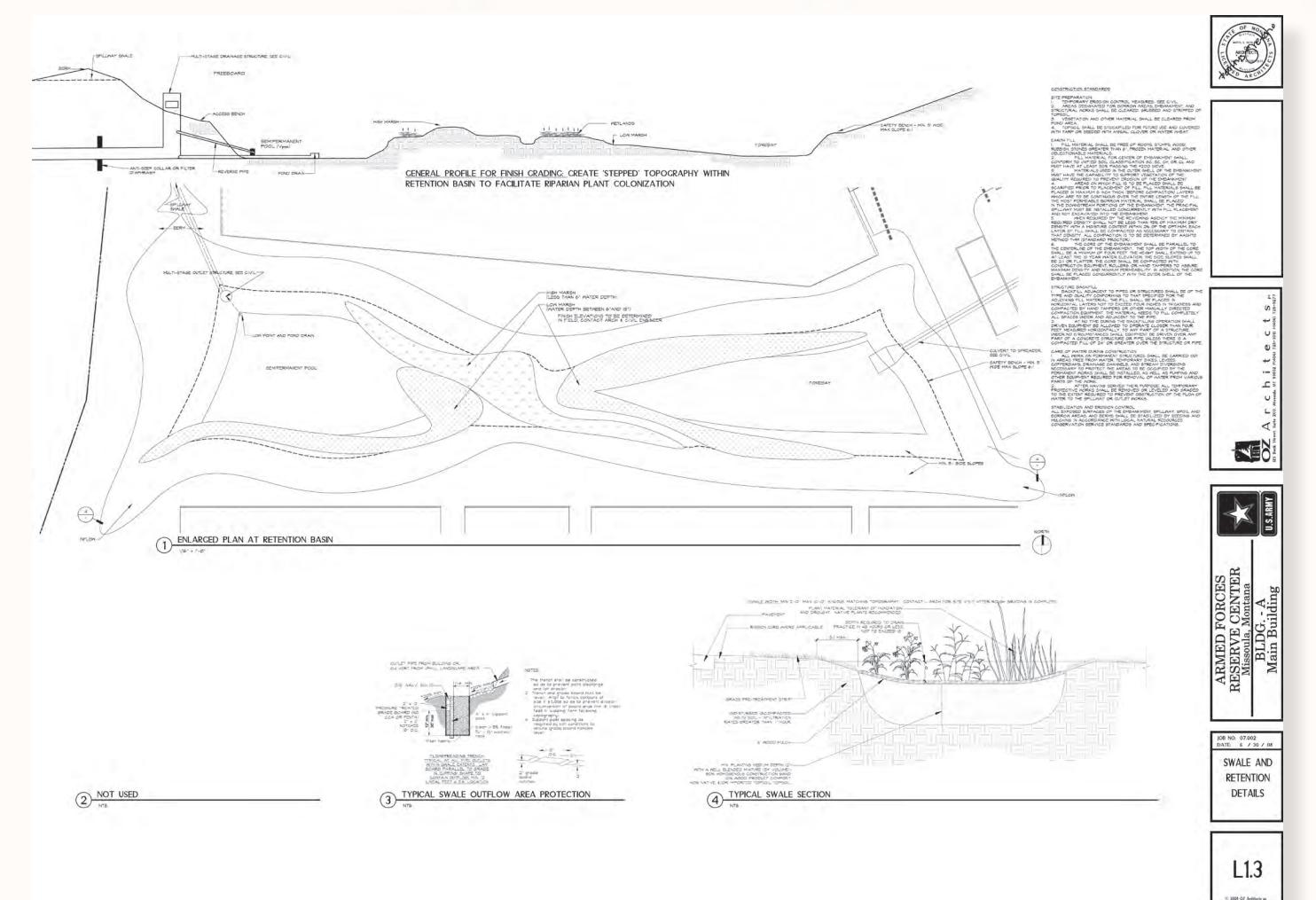
Green roof detail sketch for my own house, 2008.
Competition board for a climate change oriented park design competition, 2017.

SUBJECT AREA
SUSTAINABLE DESIGN AND BUILDING TECHNOLOGY

ADJACENT WORK IN PROFESSIONAL PRACTICE



LEED-gold certified GLR law offices, featuring precast panel system and passive and active solar design. With OZ Architects.



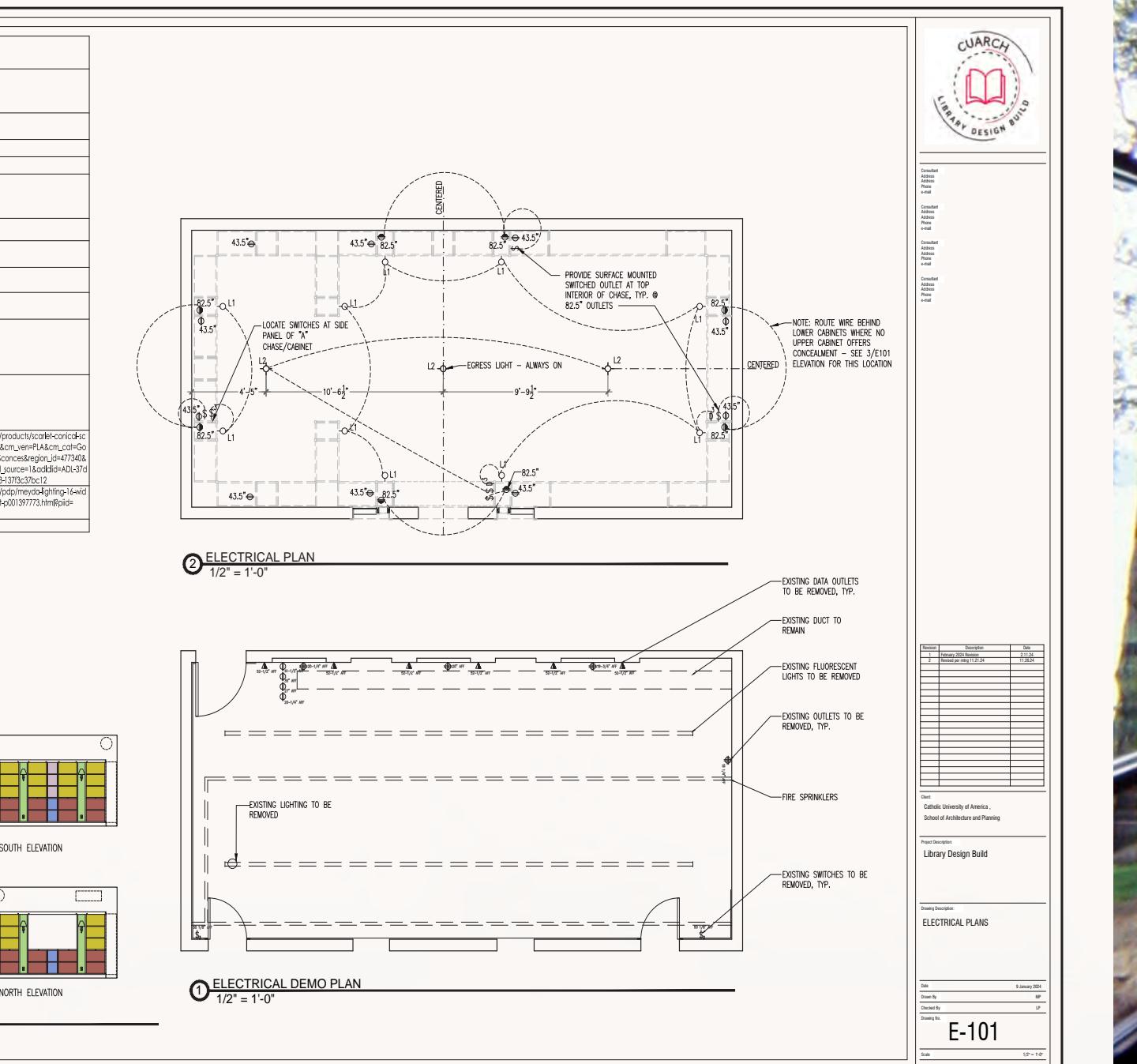
Armed Forces Reserve Center, Missoula, with OZ architects. Featuring bio-regenerative swales and stormwater management.

SUBJECT AREA
DESIGN-BUILD

RELEVANT COURSES TAUGHT

Catholic University School of Architecture
ARPL 407/507 Design Build: Library Construction

Virginia Tech
Frascati Library Build-Build

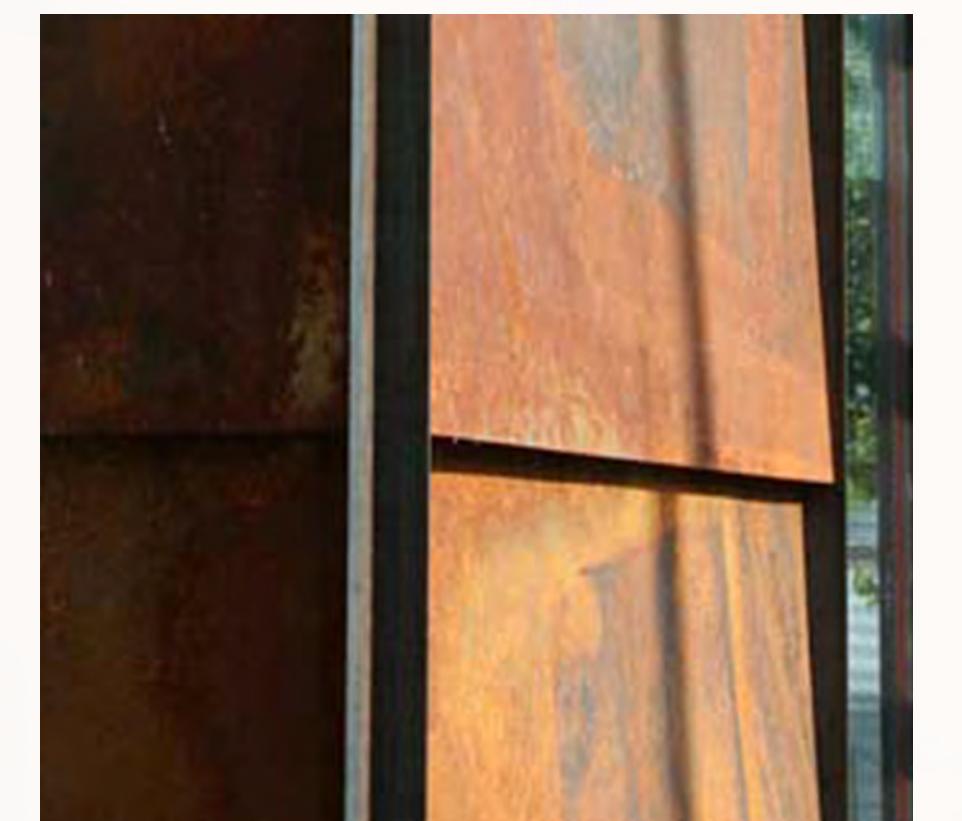
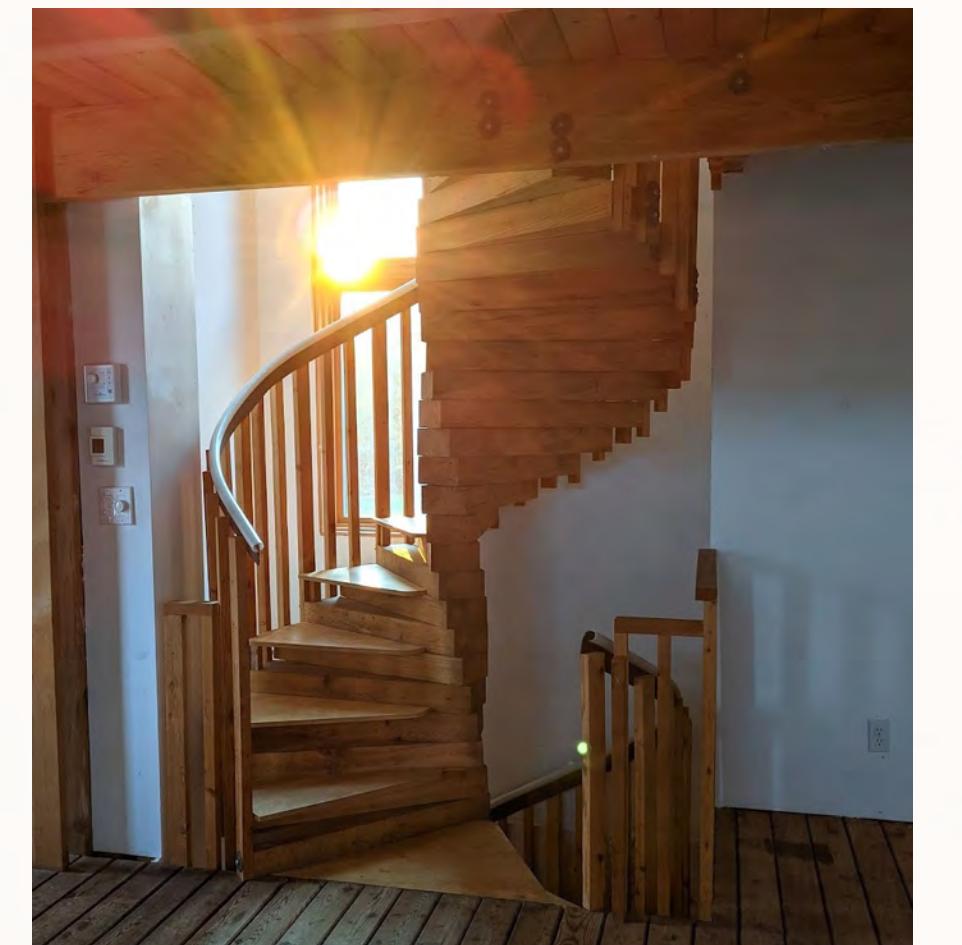
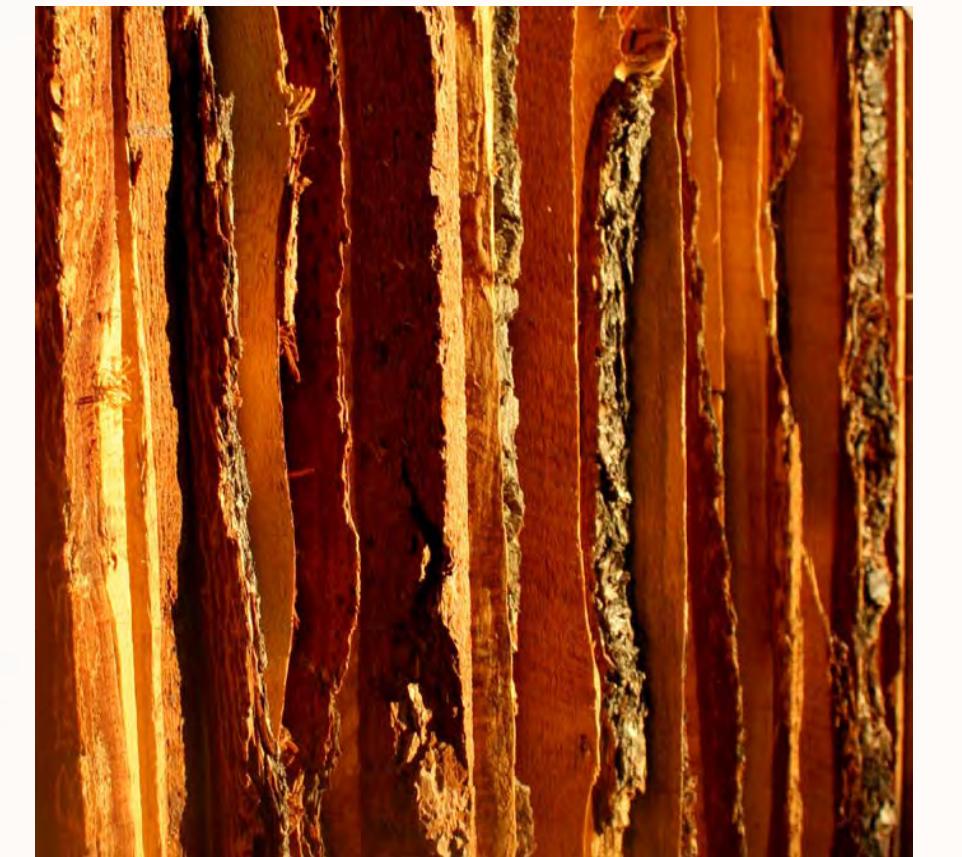


Electrical plan created in my design-build class for a library project at Catholic University.

ADJACENT WORK IN PROFESSIONAL PRACTICE



Camano Island Cabin - With BuildLLC: Design documentation and project management for a residential building featuring Corten siding, glass pocket doors, hot-rolled steel and ground concrete interior finishes.



House at Sherwood and Shakespeare - Designed and self-built 2005-2009 - Featuring live-edge fir siding, Corten stair tower, heavy timber spiral stair, travertine fireplace.



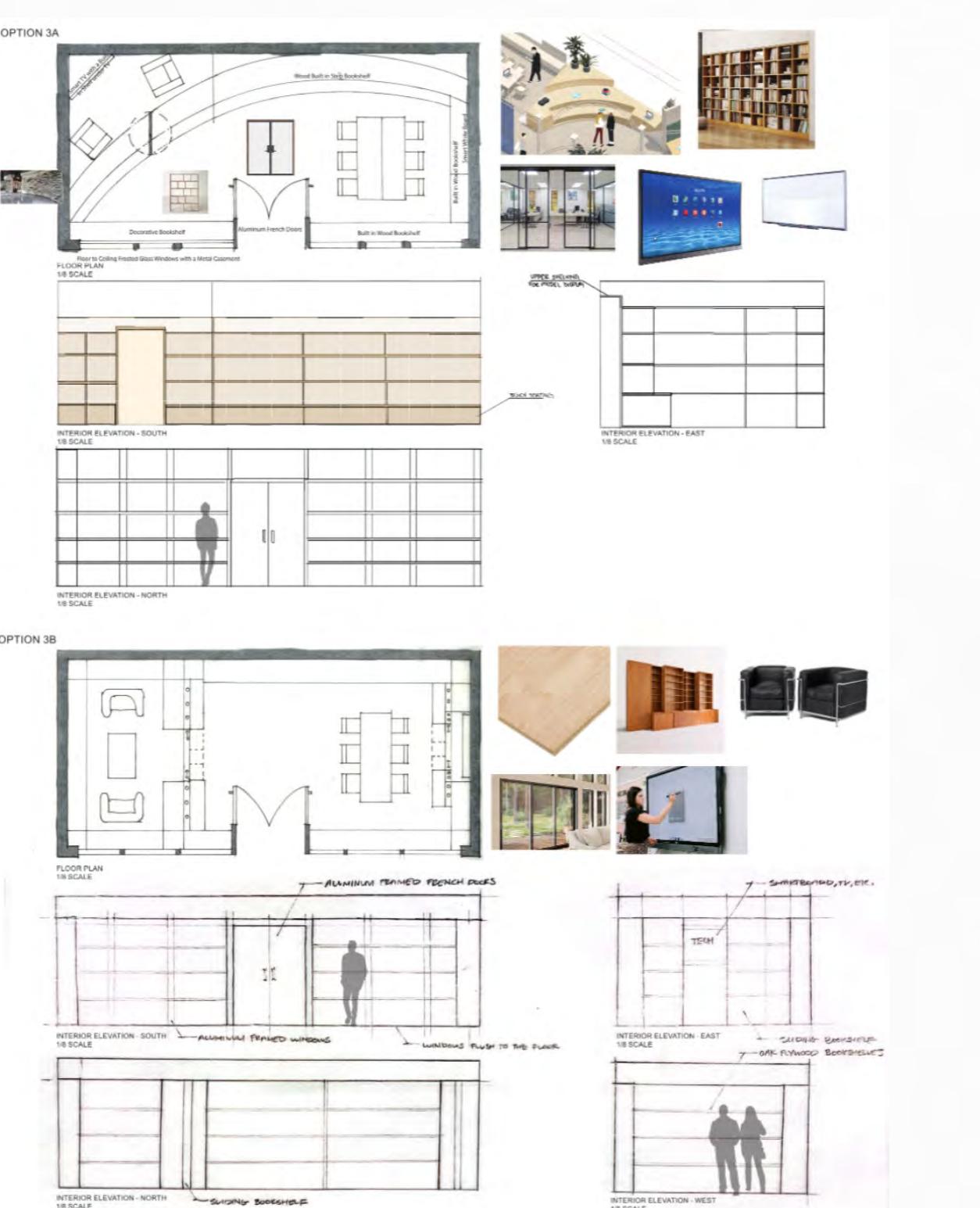
House at Sherwood and Shakespeare - Designed and self-built 2005-2009 - Featuring live-edge fir siding, Corten stair tower, heavy timber spiral stair, travertine fireplace.

SUBJECT AREA
DESIGN-BUILD

SUBJECT AREA DESIGN RESEARCH

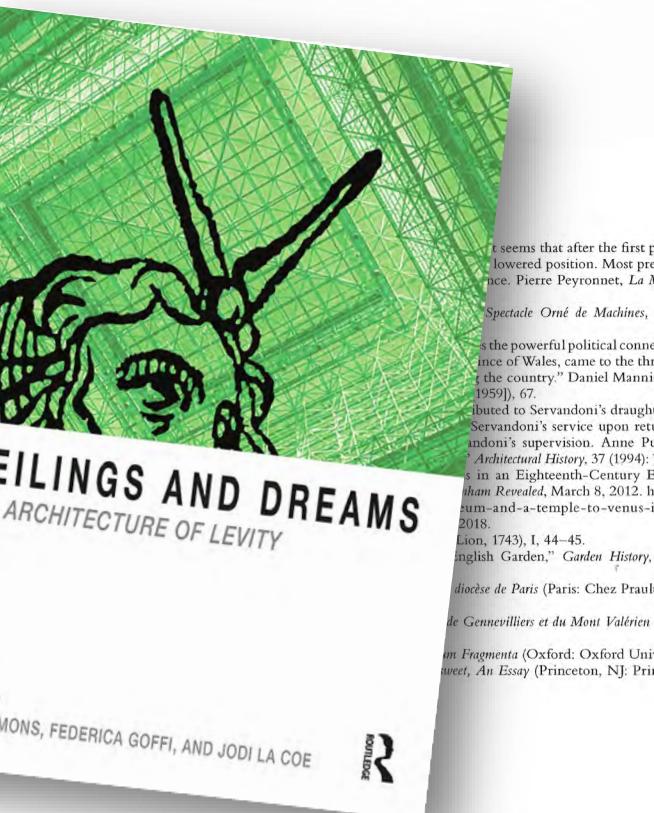
RELEVANT COURSES TAUGHT

Catholic University School of Architecture
ARPL 494/594 Independent Study in Design Build

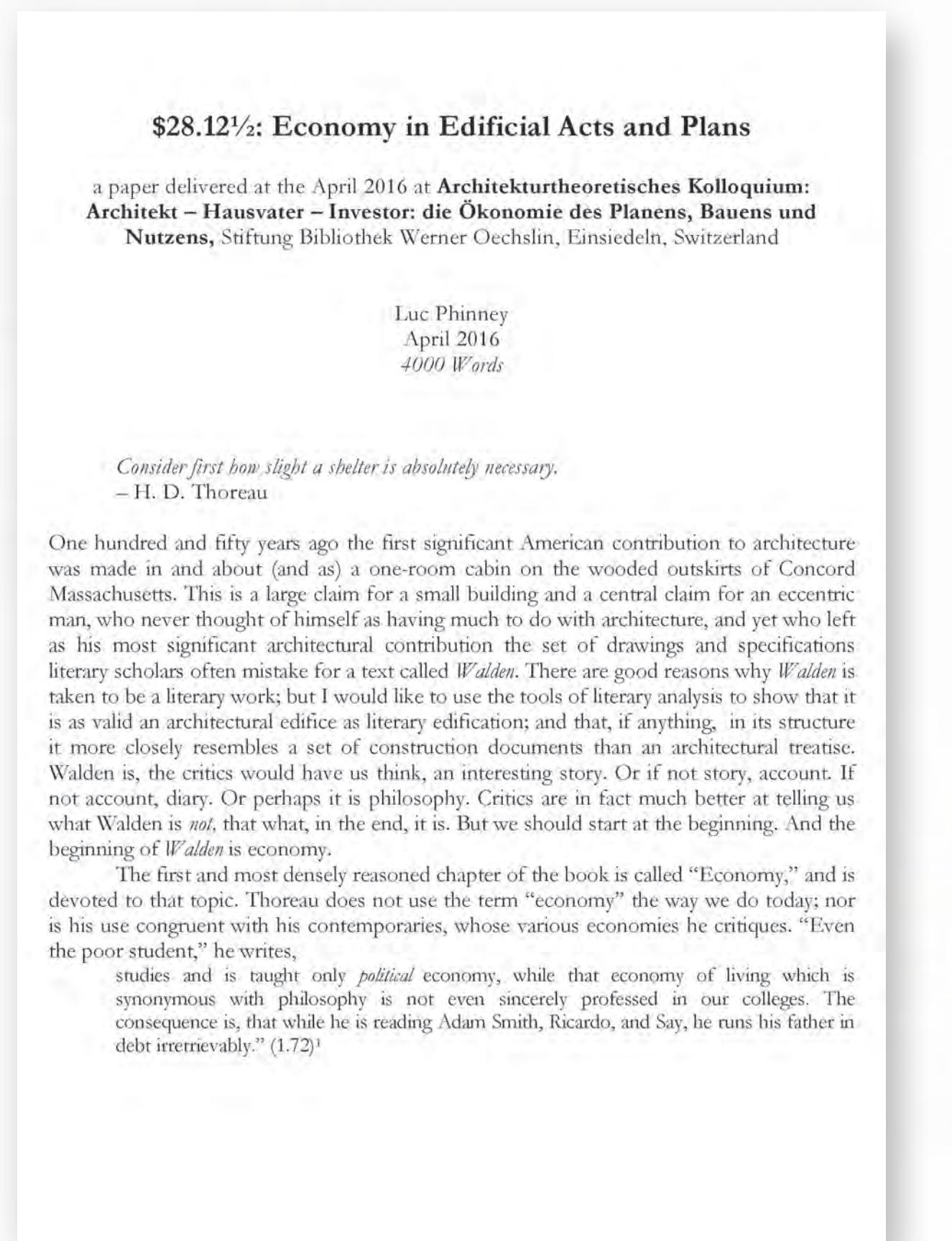


Design iterations by students for the library

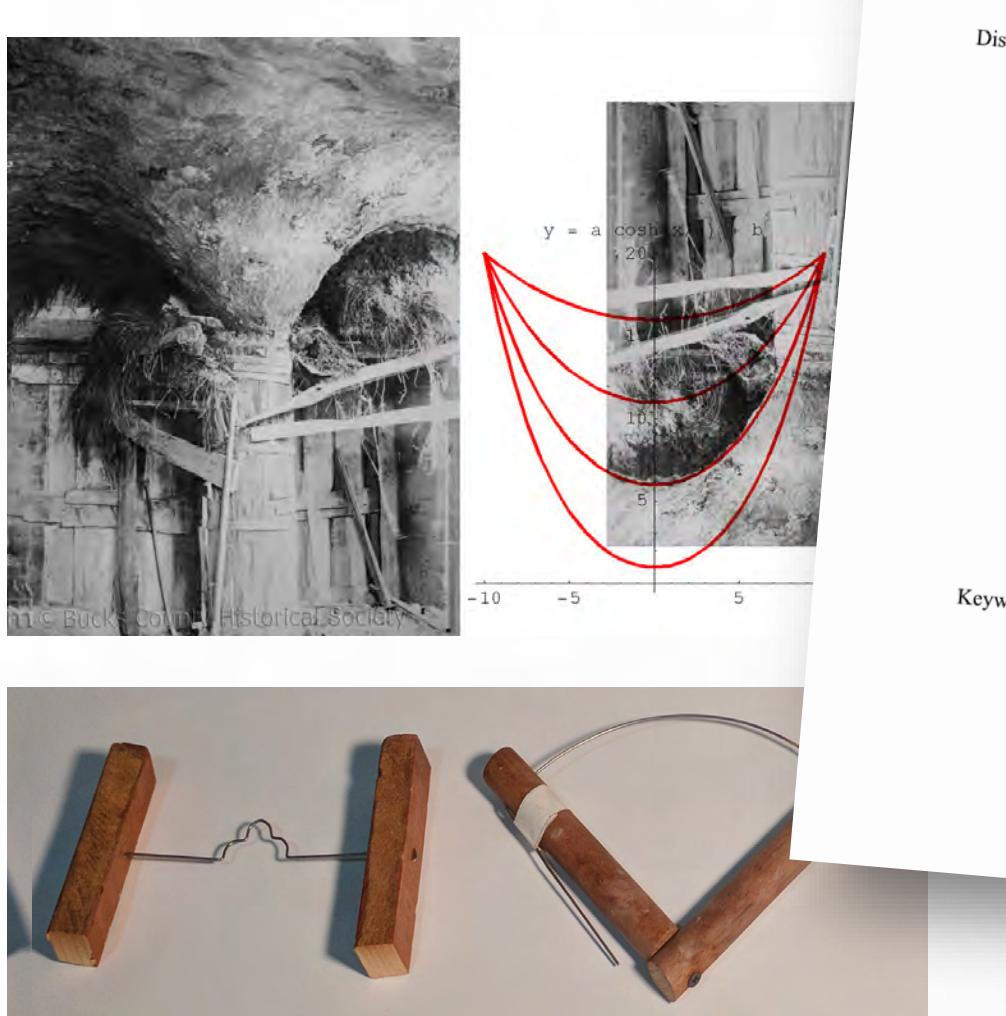
ADJACENT WORK IN SCHOLARSHIP AND PUBLICATIONS



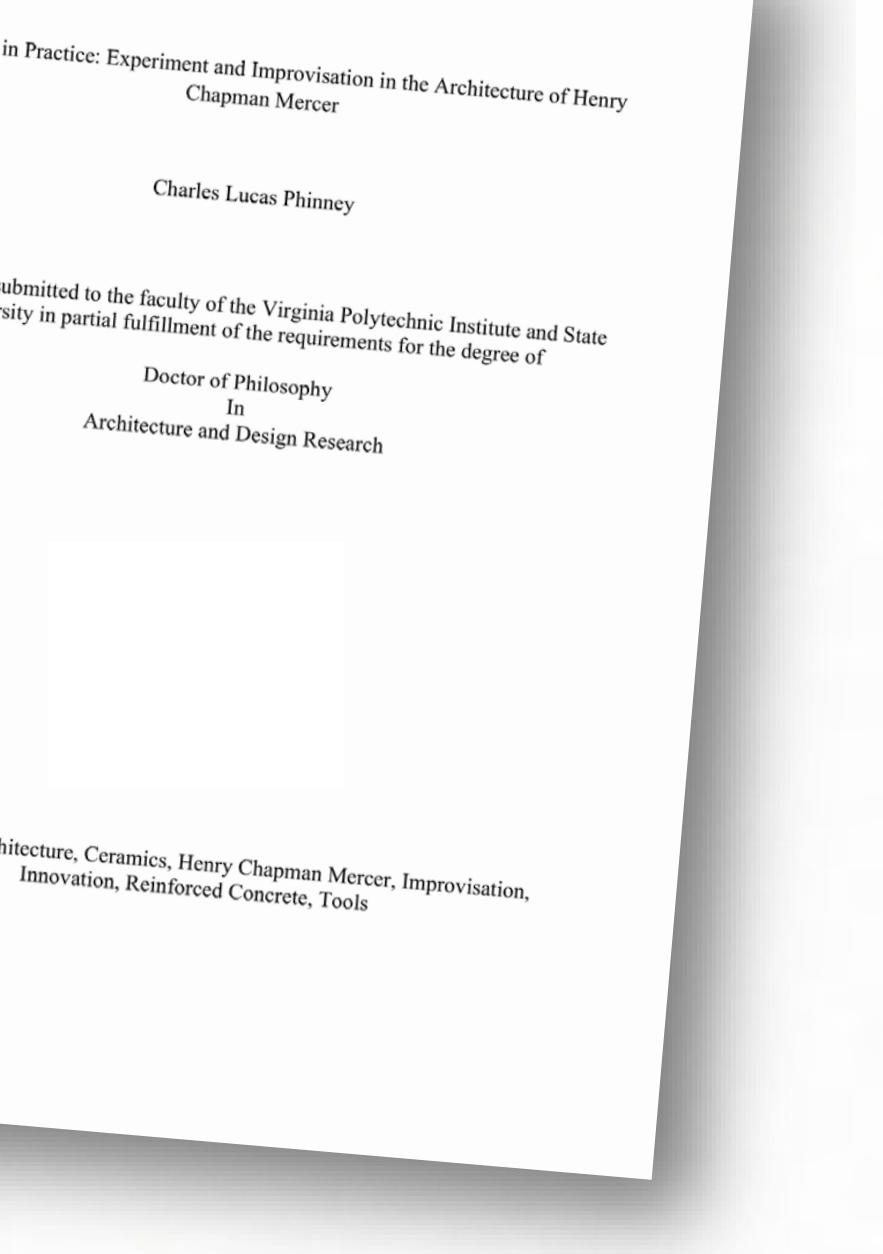
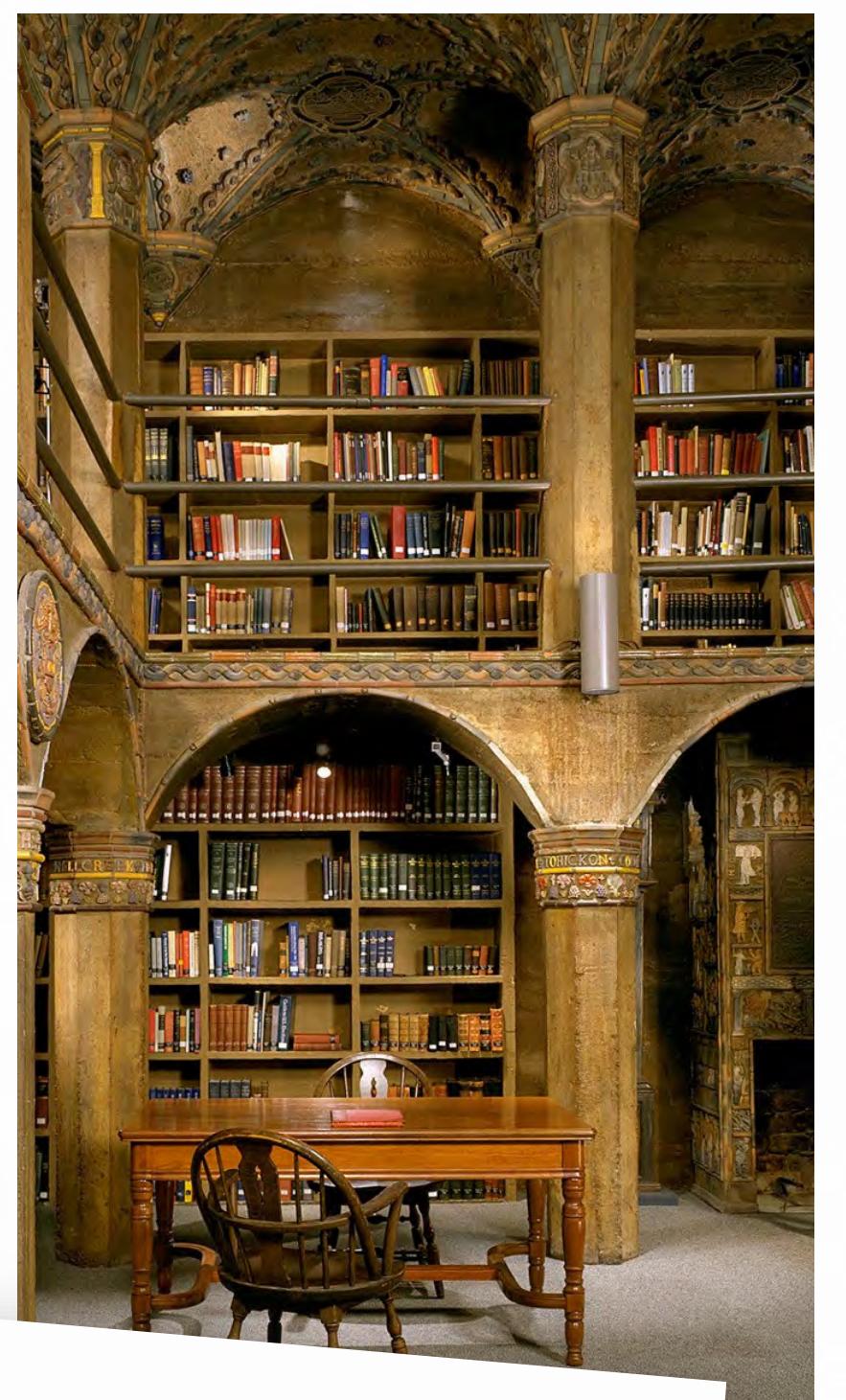
Book chapter from *Ceilings and Dreams* and introduction to *Confabulations: Storytelling in Architecture* co-written with Paul Emmons exploring the role of narrative in architecture



Paper presented at the 2016 Oeschlin Symposium,
Eisendeln, Switzerland, sponsored by ETH Zurich



2018 Dissertation "Innovation in Practice: Experiment and Improvisation in the Architecture of Henry Chapman Mercer"
Henry Chapman Mercer"

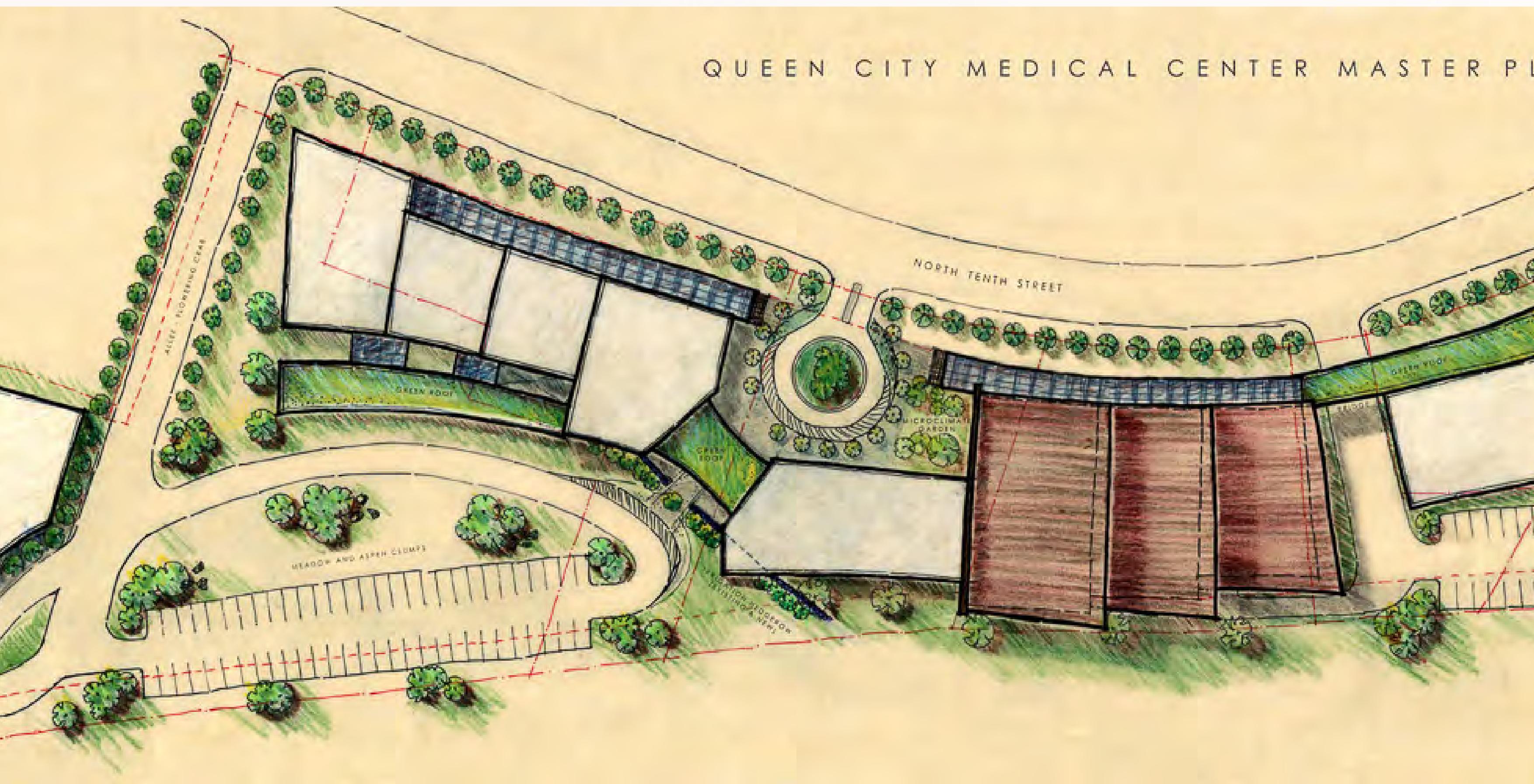


SUBJECT AREA

LANDSCAPE ARCHITECTURE AND MASTER PLANNING

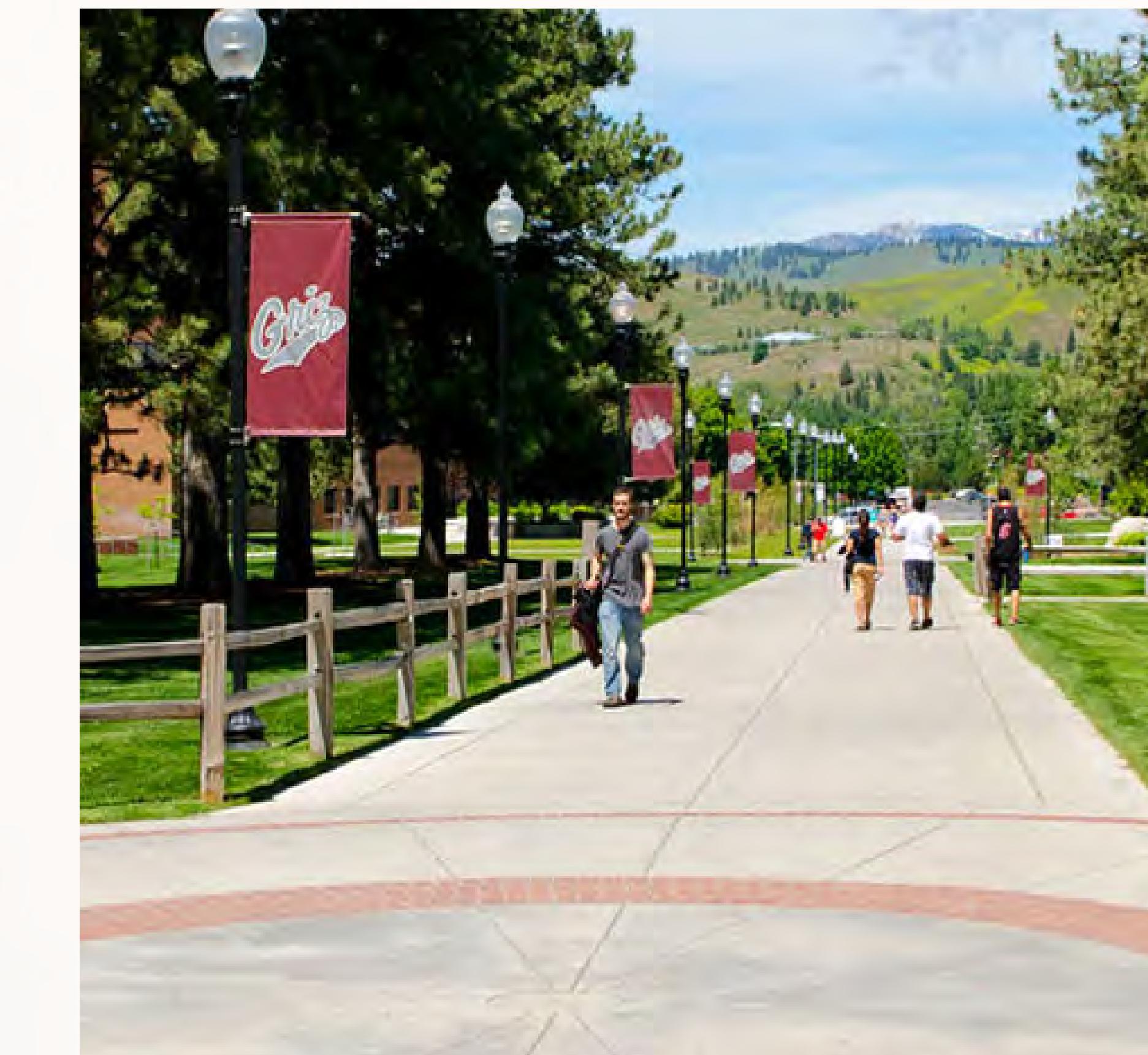
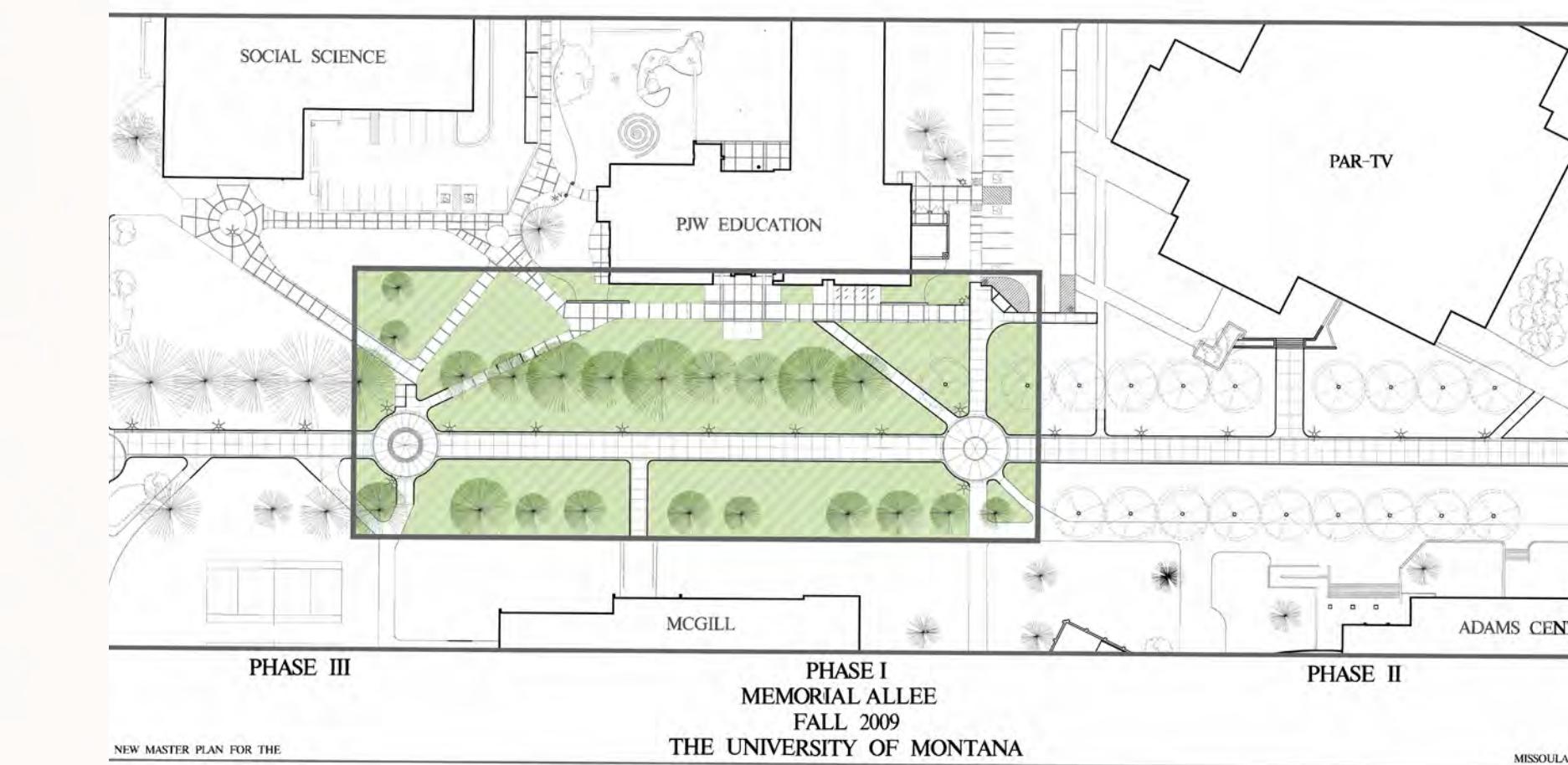
RELEVANT COURSES TAUGHT

Johns Hopkins University Center for Visual Arts
AS.371.175 The Art of Infrastructure



Hand rendering, Queen City Medical Campus Master Plan, Spearfish, South Dakota. With OZ Architects.

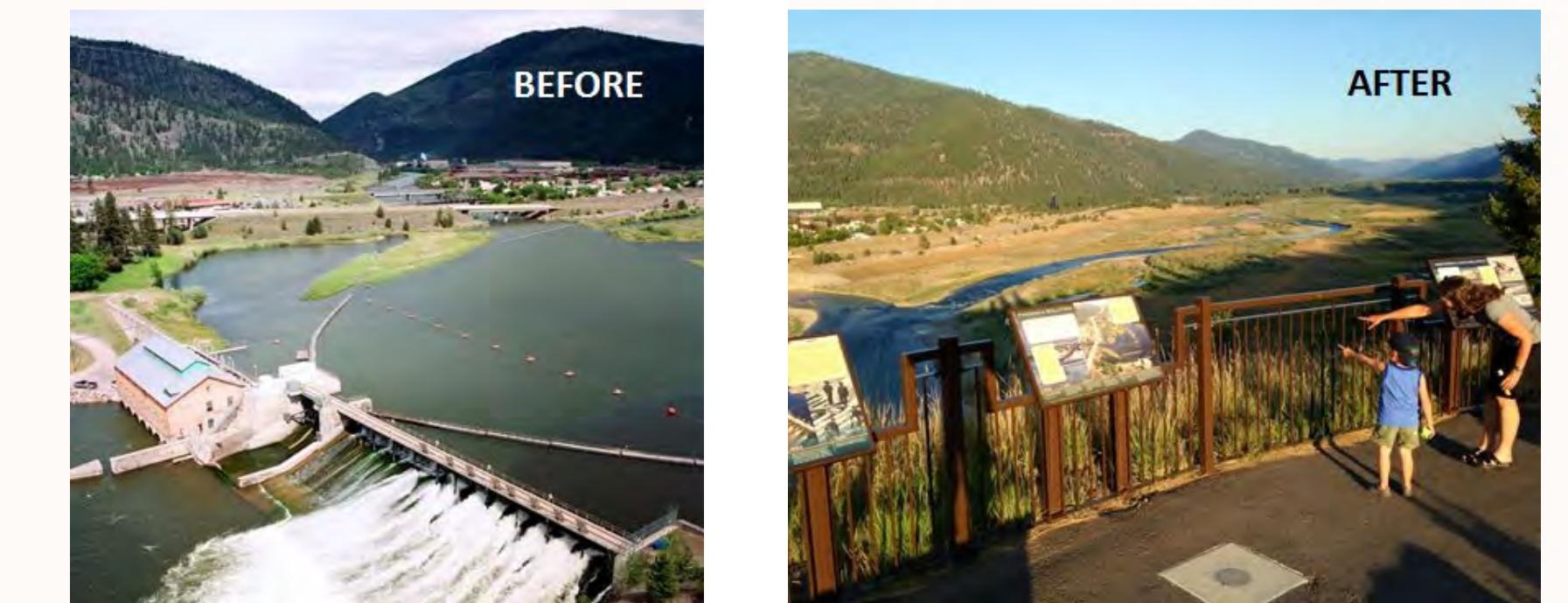
ADJACENT WORK IN PROFESSIONAL PRACTICE



University of Montana Memorial Allee and partial campus Master Plan, and photo of phase one completion.

SUBJECT AREA

LANDSCAPE ARCHITECTURE AND MASTER PLANNING



Milltown Dam Superfund Project
Community design charettes facilitation (pro bono work)

SUBJECT AREA

DESIGN DRAWING AND SKETCHING

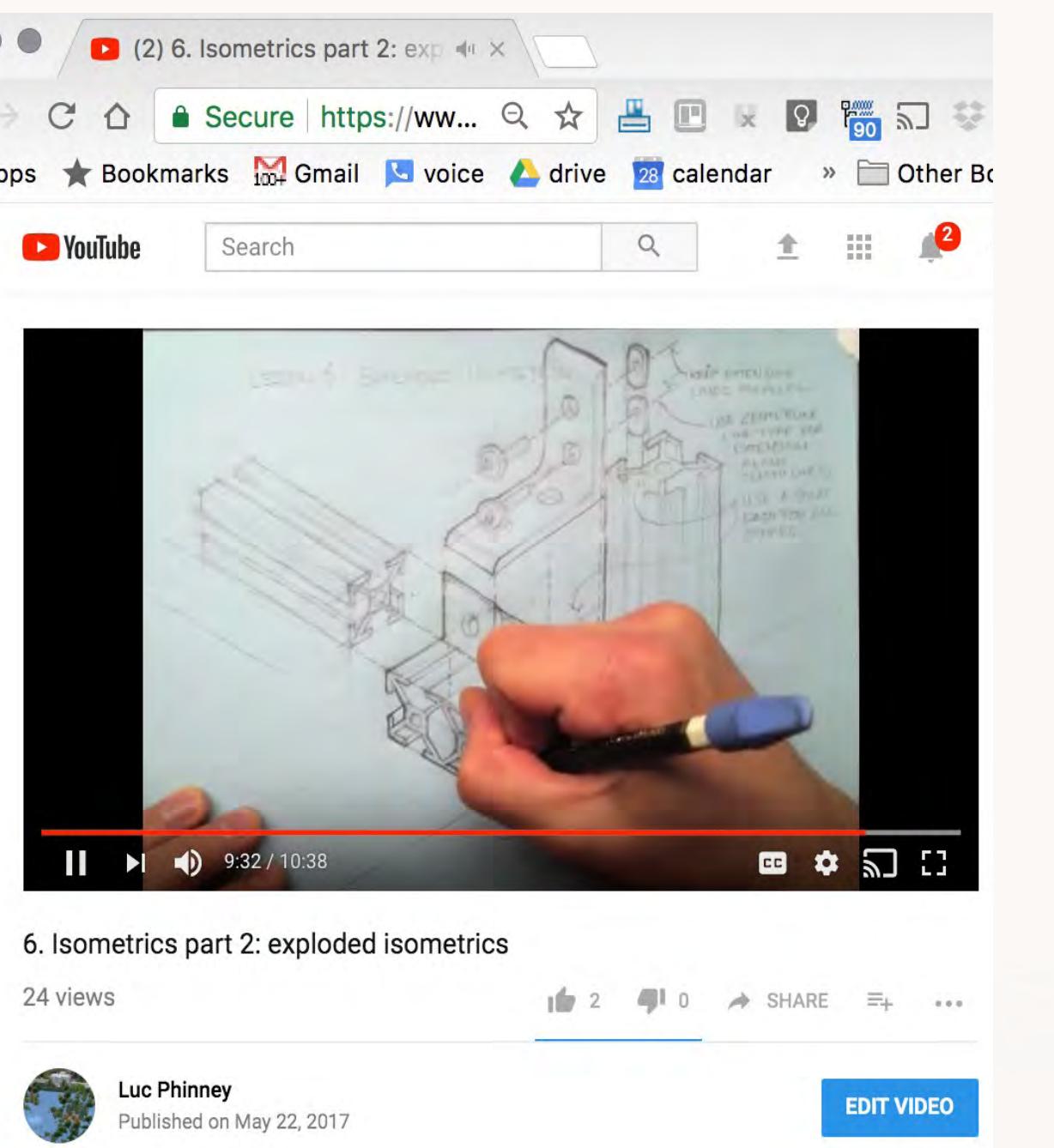
RELEVANT COURSES TAUGHT

Catholic University School of Architecture
ARPL 408/508 On Drawing

Catholic University School of Architecture
ARPL 40902/50902 Topics in Design Graphics: Learning
from DC

Johns Hopkins University
AS.371.186 Fundamentals of Design Drawing
and 3-D Visualization

Montgomery County Public Schools Student-Built House
Program
Architectural Drafting Techniques

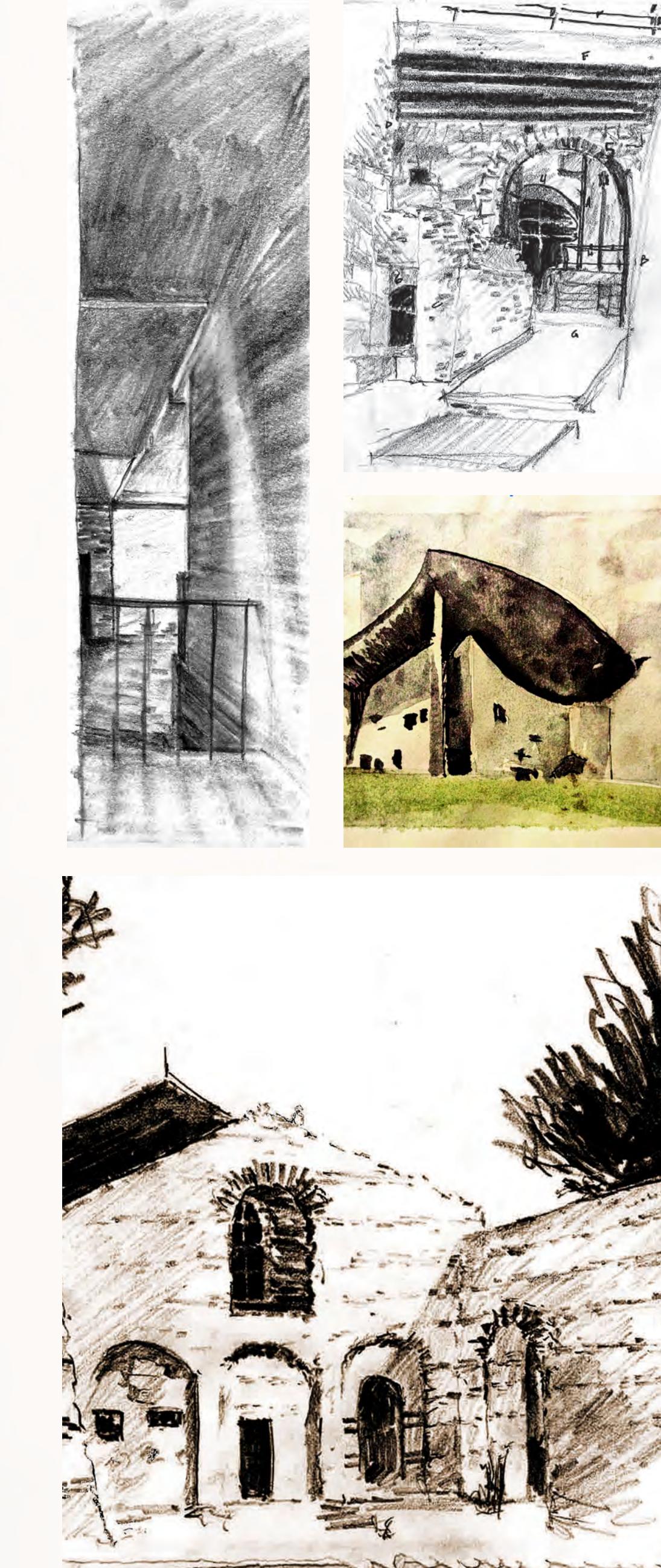


Kenan grant funded Youtube video series on engineering
design drawing

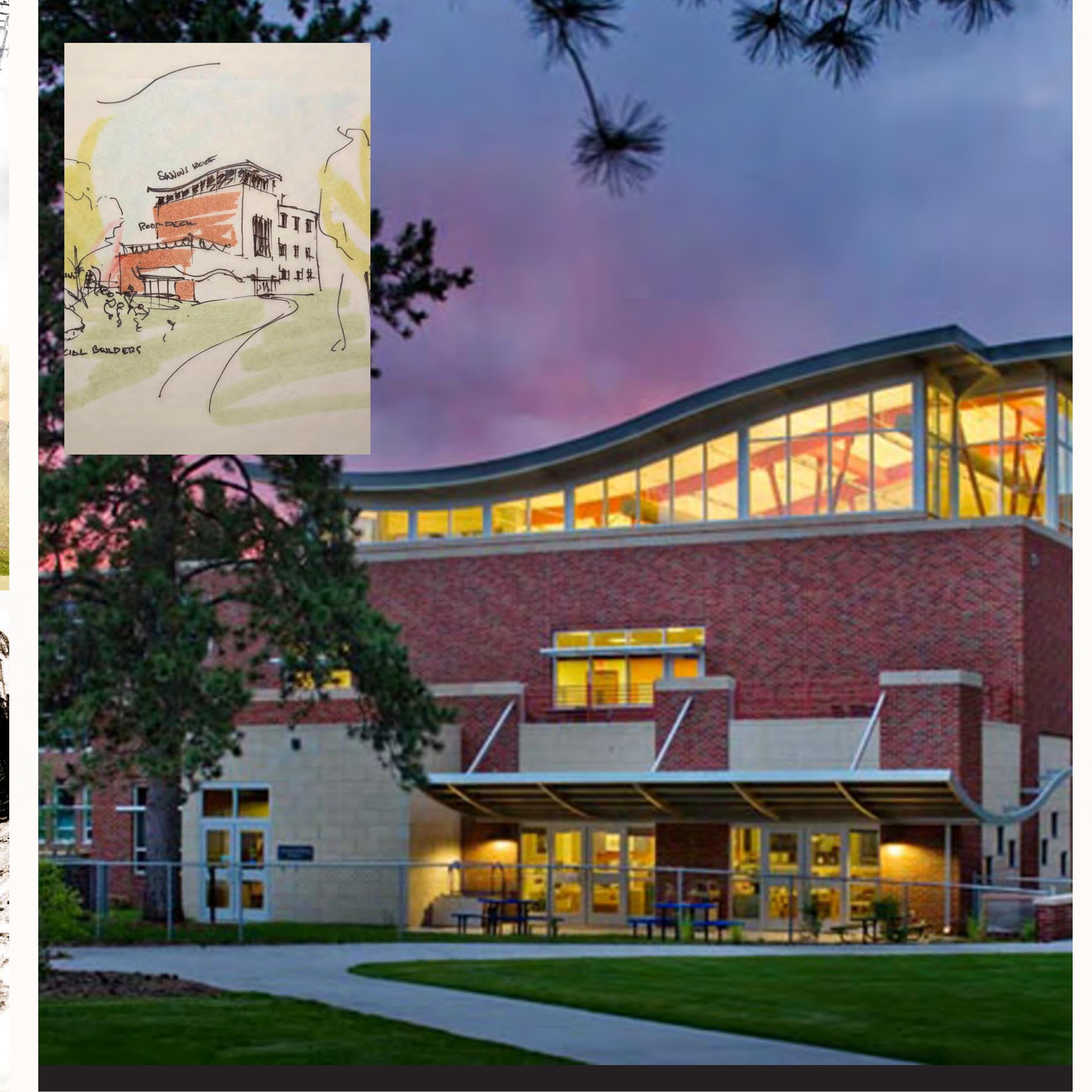


Student sketchbook work from one semester's architectural drawing course.

ADJACENT WORK IN TEACHING AND PROFESSIONAL PRACTICE



Nix fellowship travel sketching, Paris;
Visiting Corbusier, Scarpa, and Zumthor
(counterclockwise from bottom)



School of Education at the University of Montana, design sketch and photo of phase 1 completion, With OZ Architects

SUBJECT AREA

COMPUTATION AND COMPUTER APPLICATIONS

RELEVANT COURSES TAUGHT

Johns Hopkins University Department of Mechanical Engineering
530.150 Engineering Design Graphics and Fundamentals of CAD

Montgomery County Public Schools Student-Built House Program
Advanced CAD Applications

Montgomery County Public Schools Student-Built House Program
CAD Technologies



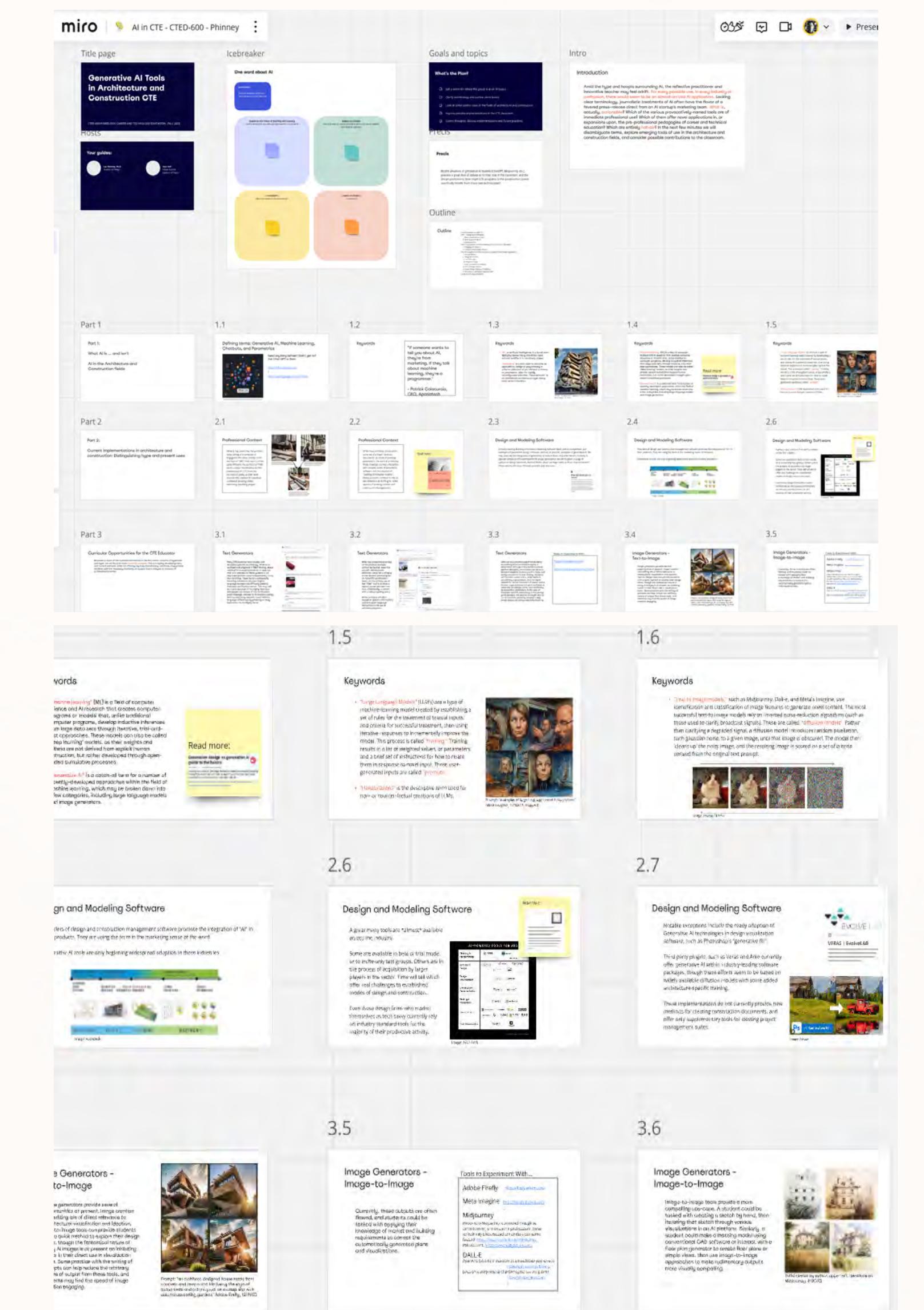
Exhibition for *The Art of Infrastructure* class, featuring student created GIS composite maps and Storymaps of food and medication deserts, climate-change impacts to emergency routes, literary localities, and etc.

COMPUTATION AND COMPUTER APPLICATIONS

ADJACENT WORK IN SCHOLARSHIP AND PUBLICATION



Early genAI experiments: Initial sketch by author, upper left.
Iterations on Midjourney, 8/2023



Generative AI Tools in Architecture and Construction CTE - Interactive Paper/Presentation for the University of Maryland Eastern Shore Department of Career and Technical Education

SUBJECT AREA
COMMUNITY DESIGN

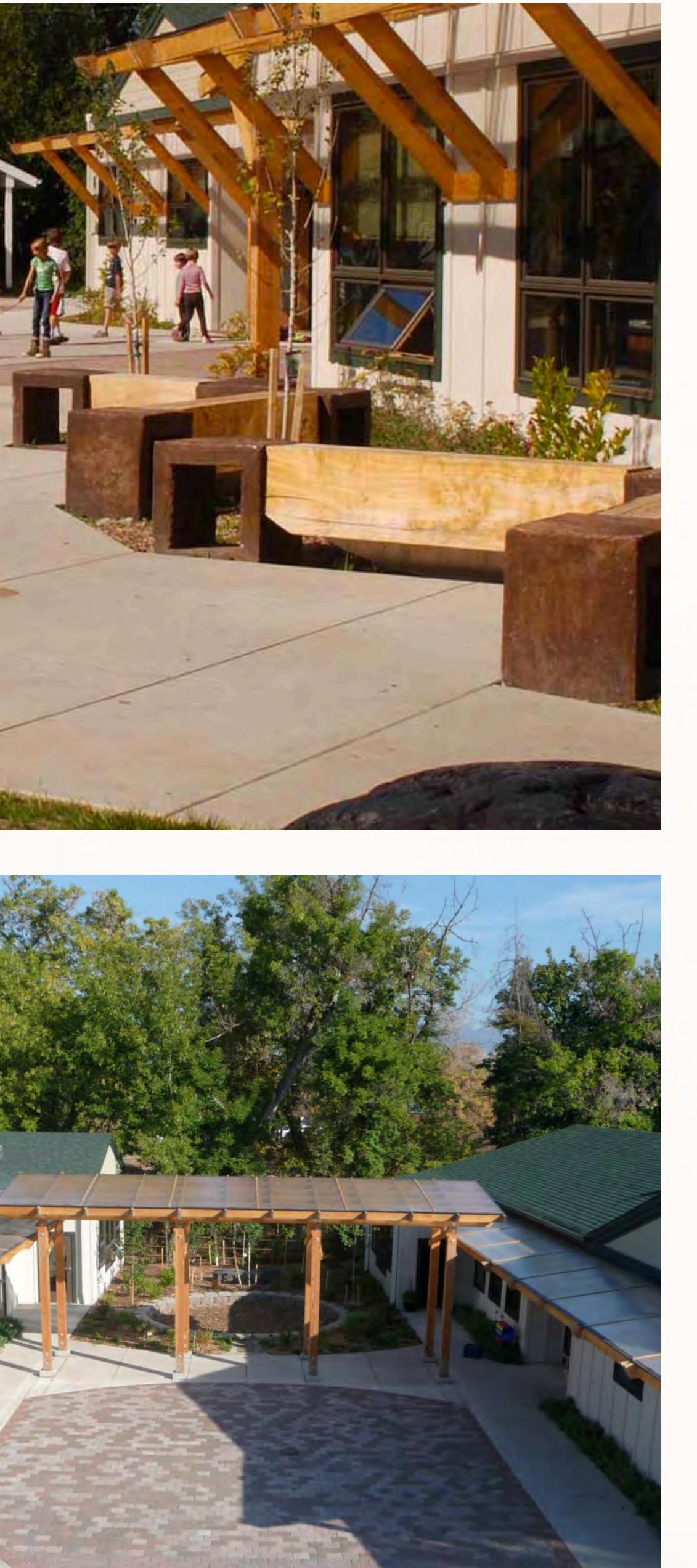
RELEVANT COURSES TAUGHT

Montgomery County Public Schools Student-Built House Program
Residential Design Studio



Student-built house under construction.

ADJACENT WORK IN PROFESSIONAL PRACTICE



Sussex school, featuring stream daylighting initiative,
SIPS panel construction, and high-performance de-
tails. With OZ Architects.



Competition Entry: Missoula Greywater
Botanical Gardens (People's Choice
Award)

SUBJECT AREA
COMMUNITY DESIGN

ADJACENT WORK IN PROFESSIONAL PRACTICE



Afghan Womens Center design and modular construction model fabrication. Various locations, Afghanistan. With Inscape
Publico.

SUBJECT AREA

PROFESSIONAL PRACTICE AND CONSTRUCTION MANAGEMENT

RELEVANT COURSES TAUGHT

Catholic University School of Architecture
ARPL 407/507 Design Build: Construction Documentation

ADJACENT WORK IN SCHOLARSHIP AND PUBLICATION

Capricious Concrete: On Plasticity in Material and Method

Things simply are not 'fit for their purpose.' At one time a flake of flint was fit for the purpose of surgery, and stainless steel is not fit for the purpose yet. Every thing we design and make is an improvisation, a lash-up, something inept and provisional. We live like castaways. -David Pye

In a method displaying remarkable adaptability, a man at the turn of the last century built a seven-story reinforced concrete museum in less than a year with one horse and ten laborers. Concrete does not lend itself to speed. More significantly for this paper, concrete is rarely employed in architectural processes as flexible or adaptable – as plastic – as their material result might suggest. On the contrary, concrete construction often calls for greater attention to tolerances, specifications and construction sequence; that is, for greater control, than alternate materials and methods. Despite many of the claims made in the foment of early modern hyperbole, concrete construction is typically not a plastic affair. Every corner, gap, and detail must be drawn and calculated, measured and laid out, and built on site in formwork before the "plastic" material flows in to take its eventual shape. In this the most monolithic, most seemingly-sculptural of materials is in practice one of the least, often requiring more complex carpentry than similar forms executed in wood, and more intricate patterning of metal ties and connectors than similar structures made of metal. Concrete may be the most difficult material commonly used in contemporary construction; certainly, it is one of the hardest to predict.

Control is the question at the heart of what follows: How do our drawings, and the conversations that surround them like mayflies, set in motion a set of controlled activities which result in a (more or less) predicted-building; and to what degree does the explicit nature of that prediction – a representational activity which mimics, but is not equivalent to, depiction – foreclose on the collaborations and improvisations that may otherwise enrich architectural activity?

For the sake of brevity we will need to assume here a passing familiarity with contemporary architectural practice, in the United States and similar jurisdictions, and in that setting the way a typical set of construction or contract documents is created by a design team and interpreted by a contractor or builder. As it is practiced today, this is often called, in brief, the design-bid-build model, in which the architectural document has as its objective the complete foresight of all the variables of construction. That this is a pervasive and almost

LUC PHINNEY

Virginia Tech / Johns Hopkins

Chapter Title (ACSA will complete)
Capricious Concrete:
On Plasticity in Material and Method

1

A meditation on the contradictions inherent in working with that least-forgiving of plastic materials, reinforced concrete. Presented at the 2018 ACSA Annual Meeting.

SUBJECT AREA

PROFESSIONAL PRACTICE AND CONSTRUCTION MANAGEMENT

ADJACENT WORK IN PROFESSIONAL PRACTICE

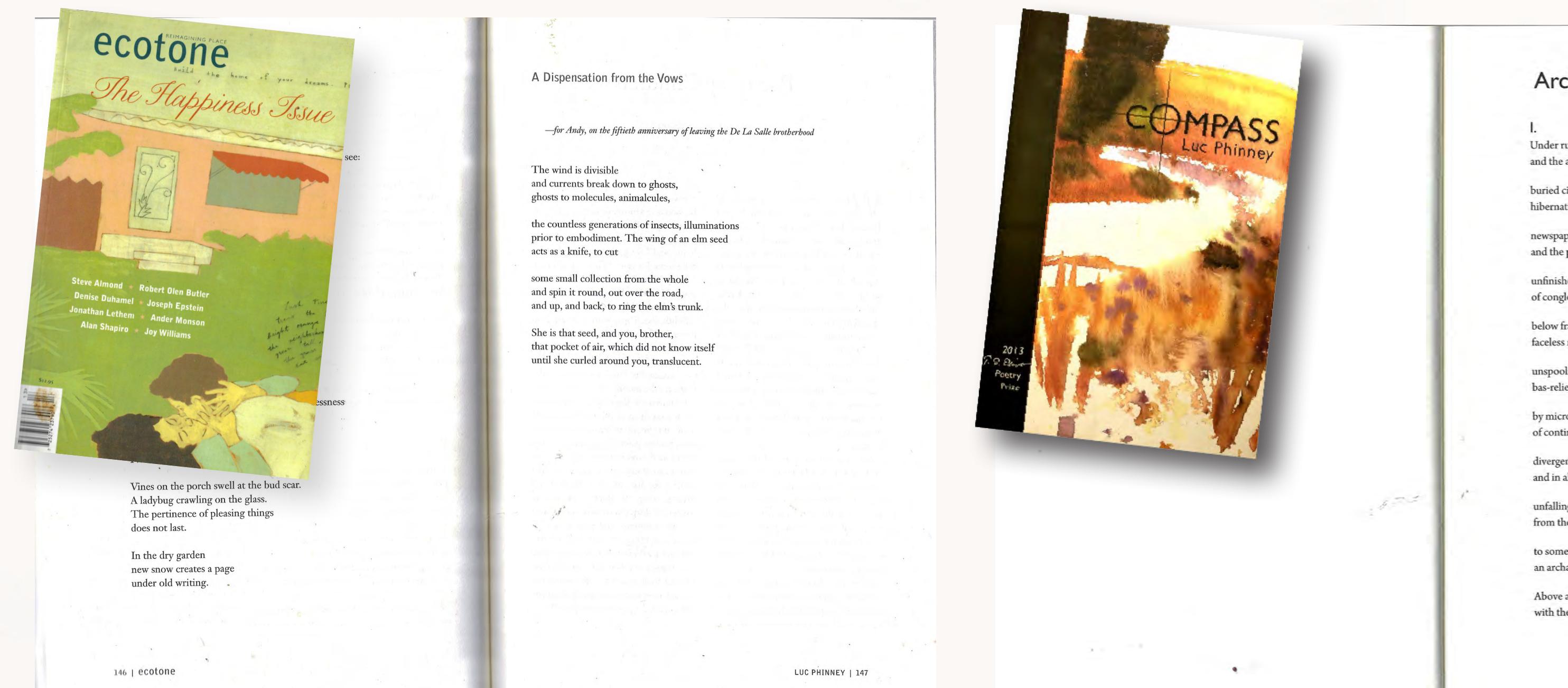


Neely-Mitchell Residence, indelible in my imagination as the first jobsite I worked on as a young professional. With Jerry Fulks Company / SBCH Architects.

SUBJECT AREA
ARTS

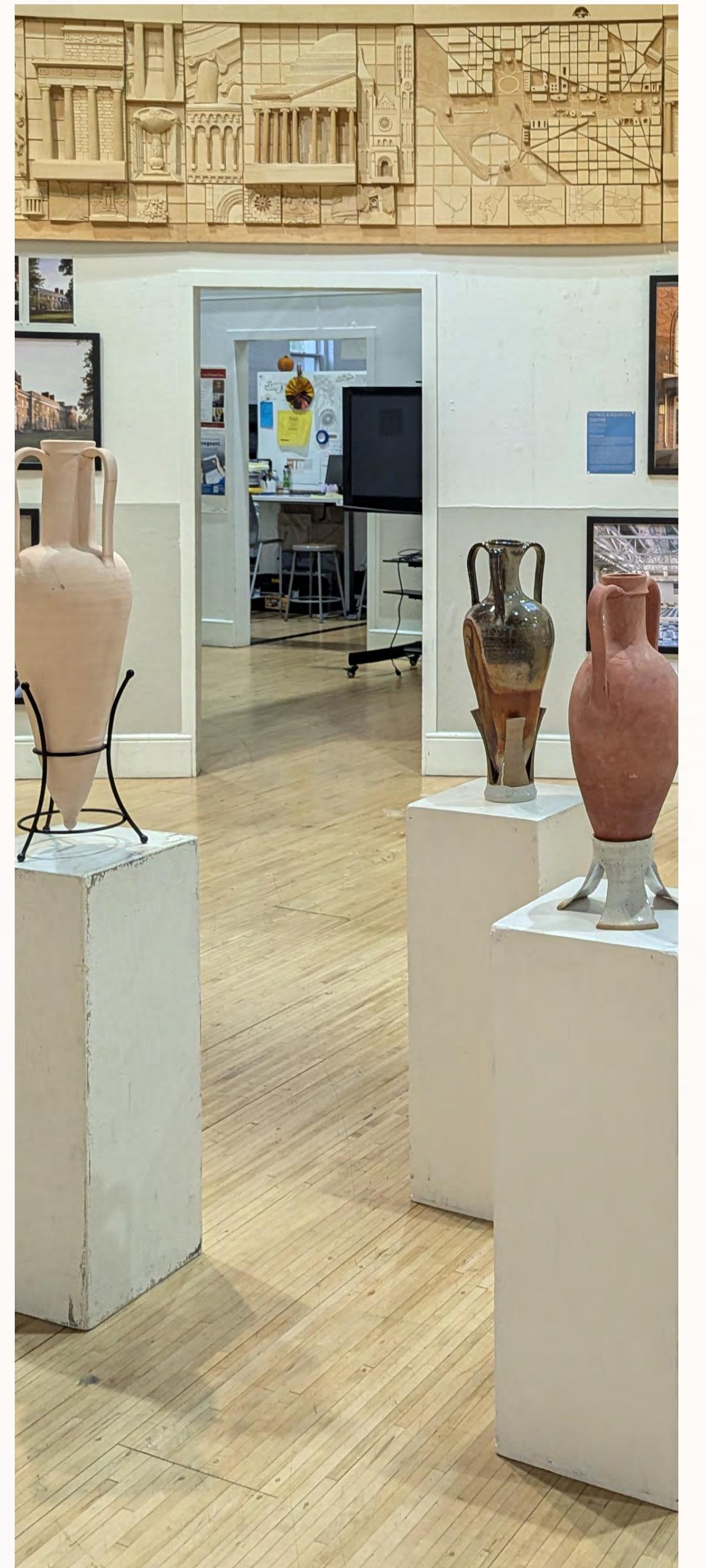
RELEVANT COURSES TAUGHT

Johns Hopkins University Center for Visual Arts
Artists Books
Johns Hopkins University Writing Seminars
Flash Fiction Prose Poetry
Johns Hopkins University Writing Seminars
Rhythm Clinic
Johns Hopkins University Writing Seminars
Introduction to Fiction and Poetry I and II
City of Takoma Park
Ceramics: Introduction to Wheel Throwing
City of Takoma Park
Ceramics: Advanced Wheel Throwing



Poems published in various magazines and collected in the TS Eliot Prize Winning book, *Compass*.

CREATIVE WORK AND PUBLICATION



CREATIVE WORK AND PUBLICATION

SUBJECT AREA
ARTS

PHINNEY
FIN