


Welcome!

*AIA Dayton Annual Student Design
Competition's 42nd Year*



A hand-drawn illustration of a city street scene. In the background, there are several multi-story buildings with arched windows and doorways. A yellow bus is driving on the street. There are several small figures of people walking on the sidewalks. A red awning is visible on the right side of the street. A large white arrow points towards the left side of the image. The text is overlaid on the center of the image.

This competition is a doorway into a myriad of design professions with a focus on art and architecture. Students may explore structural, engineering, biological, sociological, or historical elements in their design.

9 counties
40+ cities,
townships, or
villages



Agenda

First Session

- 10:00am **Check-in/Registration and Breakfast** *Jane Treiber*
- 10:10am **Introduction** *Lauren McCarroll*
- 10:20am **Library Tour & Scavenger Hunt** *Alex Bohler*
- 11:00am **Panel on Third Place** *Debi Chess, Peter Benkendorf, and Maggie Burk*

BREAK

Second Session

- 11:35am **Deep Dive into the Project** *Lauren McCarroll*
- 11:45am **Program Exercise**
- 12:15pm **Site Visit & Sketching**
- 12:45pm **Board Requirements + Presenting Your Work** *Katie McCall*
- 12:55pm **Final Announcements**

Library Tour & Scavenger Hunt





Debi Chess
Dayton Metro Library



What is a **Third Place?**

Peter Benkendorf
Dayton Collaboratory



Maggie Burk
Gem City Action



For *Teens*
Designed
By *Teens*

Program Requirements

- Take advantage of the full site
- No more than 3 stories in height
- Programmed spaces are not required to be walled rooms
- Spaces can be defined by furniture, flooring patterns, and more!



Program Requirements

- TV/Movie Lounge
- Café (with seating)
- Mental Health Counseling
- Multi-Purpose Rooms
- Outdoor Space



Additional Program

(choose 2-4 of the following)

- Recreation Space
- Music Room
- Game Room
- Art Gallery



Support Spaces

- Restrooms (2)
 - 200 SF each with atleast one ADA stall in each
- Janitorial
 - About 60 SF
- Lobby & Welcome Center
- Optional: Parking for staff
 - 6-10 Spaces



TV/Movie Lounge

~600SF



TV/Movie Lounge

~600SF



Café (with seating)

400SF-700SF



Café (with seating)

400SF-700SF



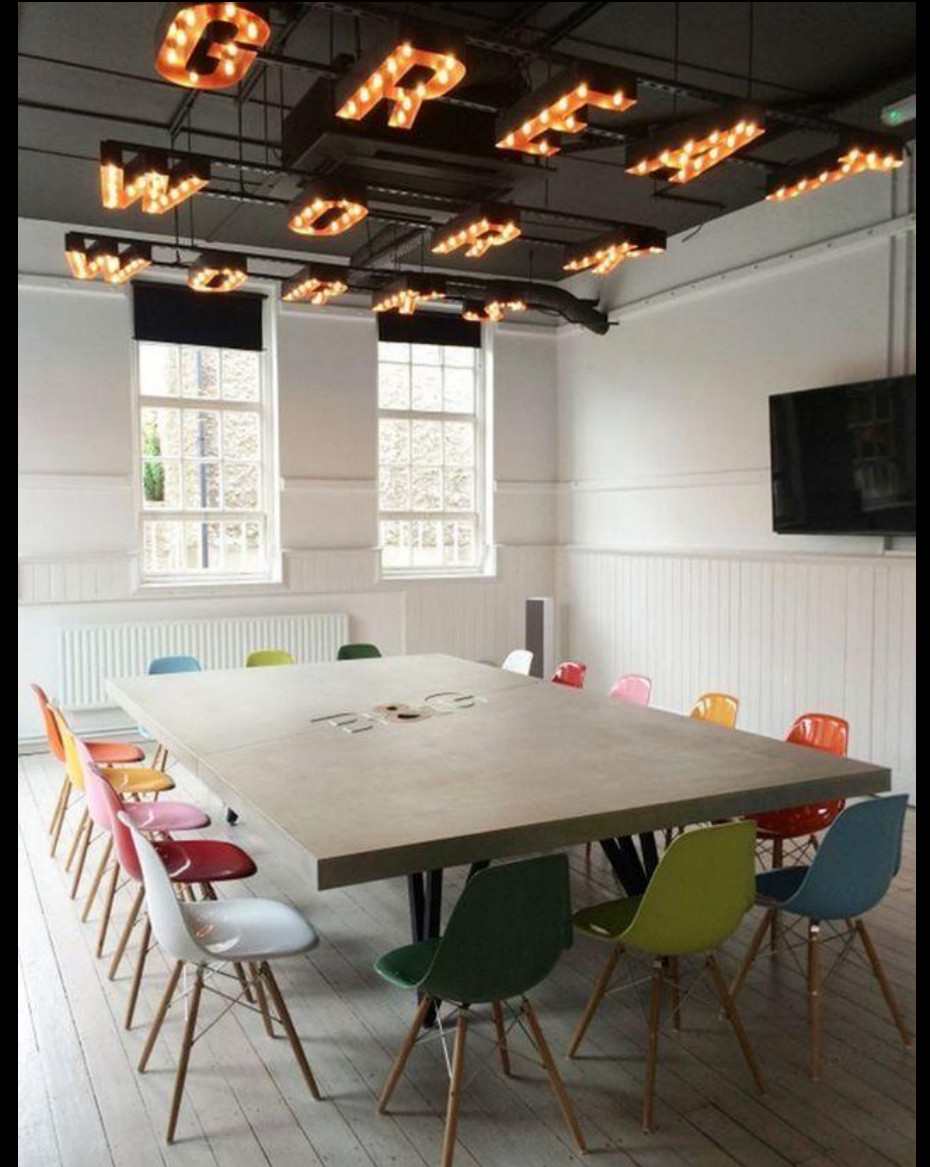
Mental Health Counseling

2 Offices @150 SF each



Multi-Purpose Rooms

400SF-600SF each



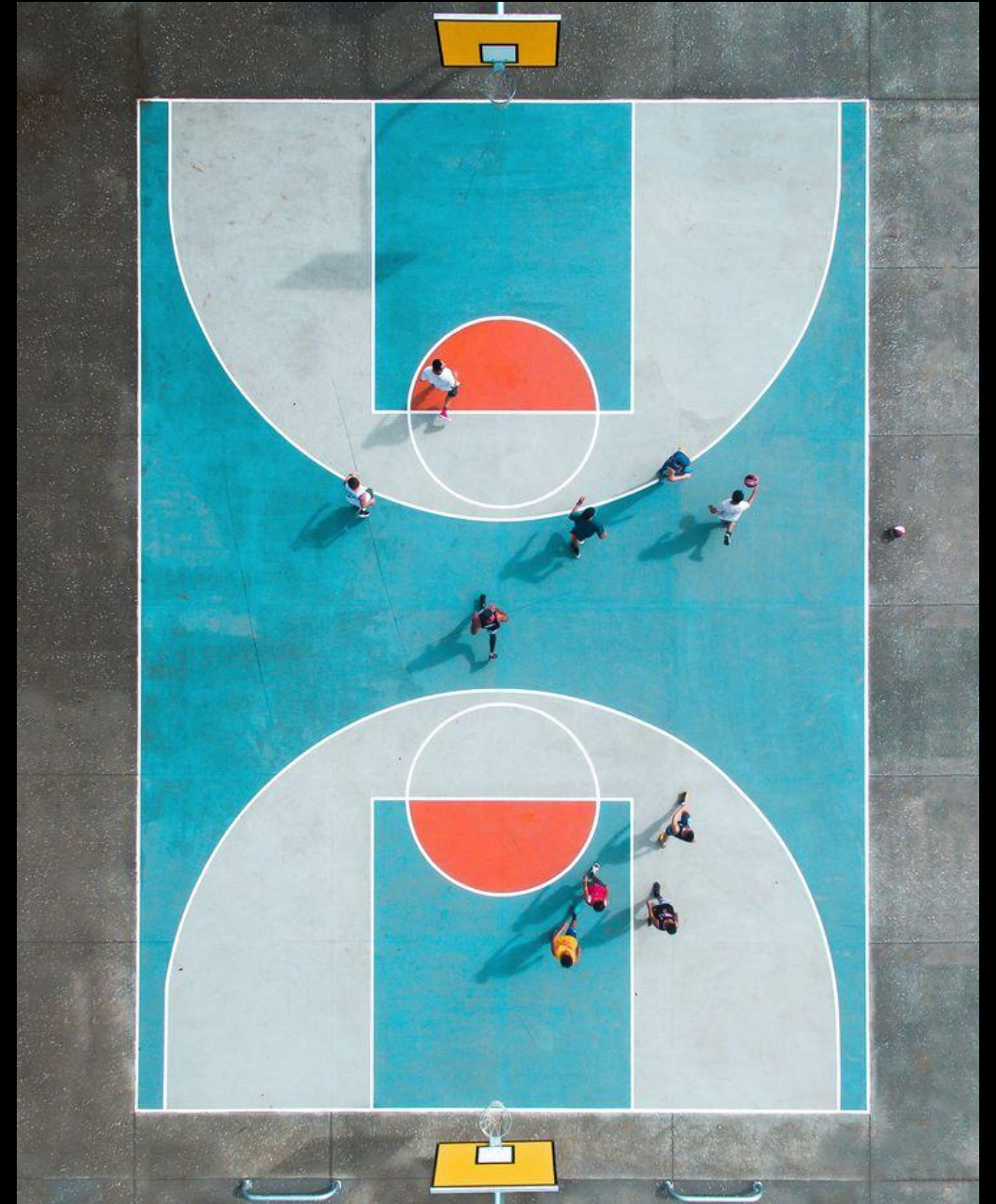
Outdoor Space

Variable



Recreation Space

Variable



Music Room(s)

100SF-600SF
Indv. Recording
Studios or one
open music room



Game Room

400SF-600SF



Art Gallery

Variable



Welcome/Lobby

Variable



Program Exercise



Describe how you think your
given space should *feel*?

Program Exercise *Ideas*

Café/Snack Bar

- Smell of Coffee
- Mix of tables & chairs and cozy seating like sofas
- One-on-one conversations
- Branding and interior design that connects to teens and the Dayton community

TV/Movie Lounge

- Cozy
- Relaxed/Peaceful
- A Place to hang out
- To watch sports

Art Gallery

- Creative/Inspiring
- Interactive
- Nature Integration (waterfall, aquarium)
- Natural Light
- Places of exhibition AND making/creating

An aerial photograph of a city street intersection. A large, modern building with a white facade and a red star logo is labeled 'LIBRARY'. To its left, a smaller building is highlighted with a yellow rounded rectangle and labeled 'Project Site'. The surrounding area includes parking lots, other buildings, and greenery.

Project Site

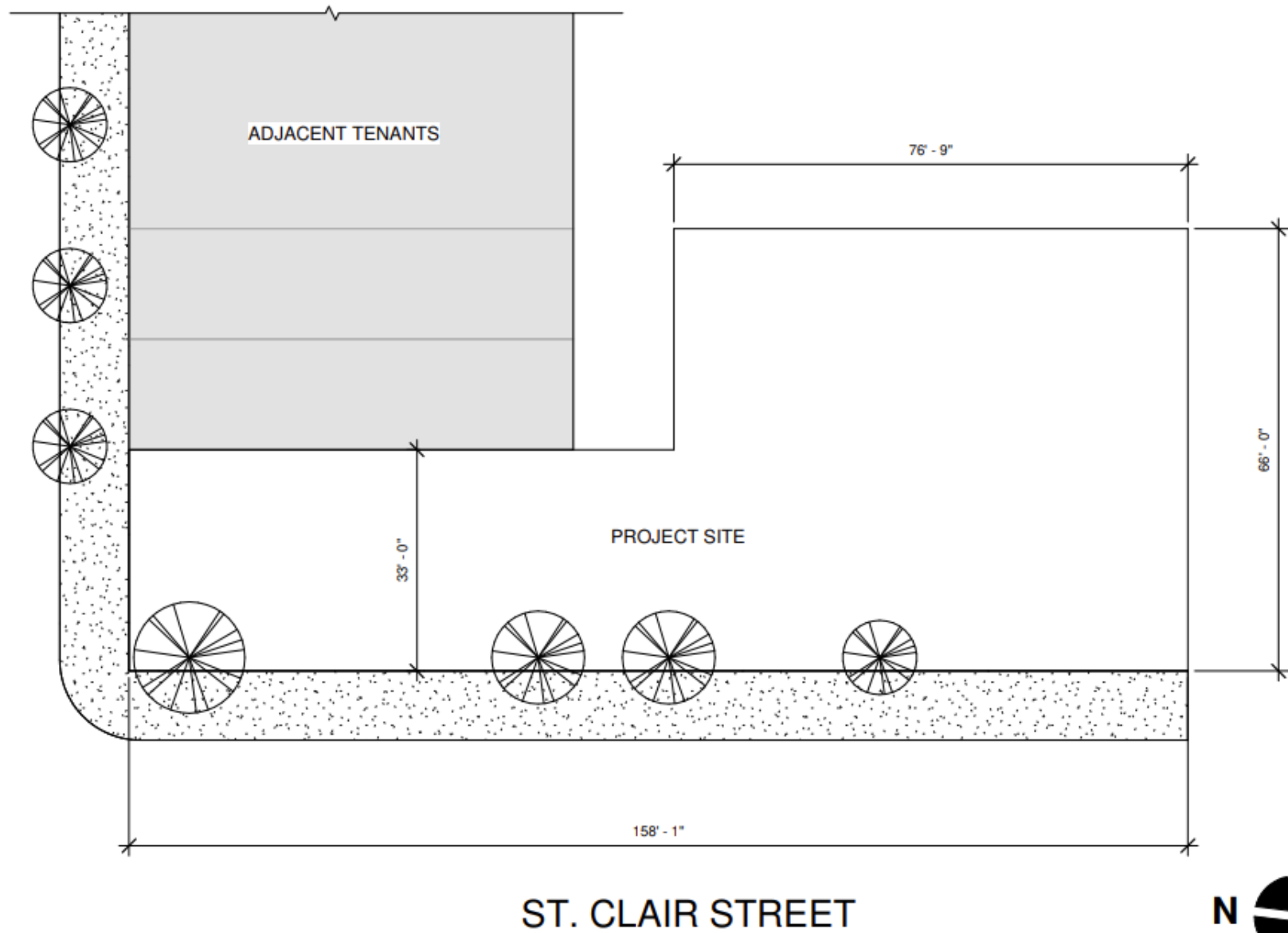
Site Tour



Project
Site

★ LIBRARY

THIRD STREET

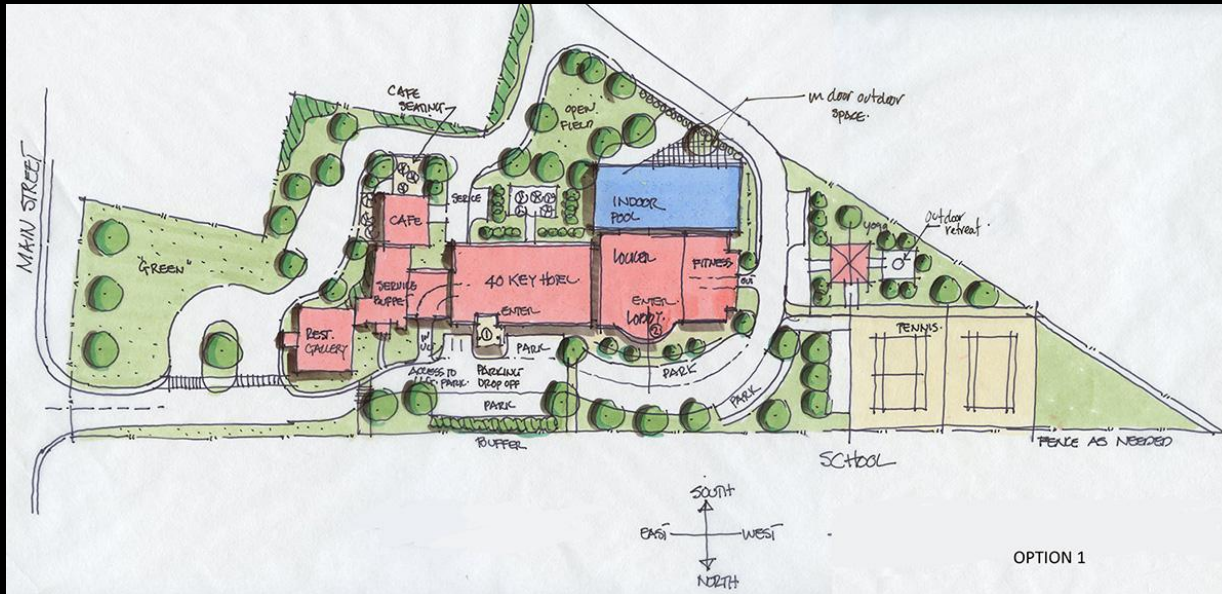


Presenting **Your Work**



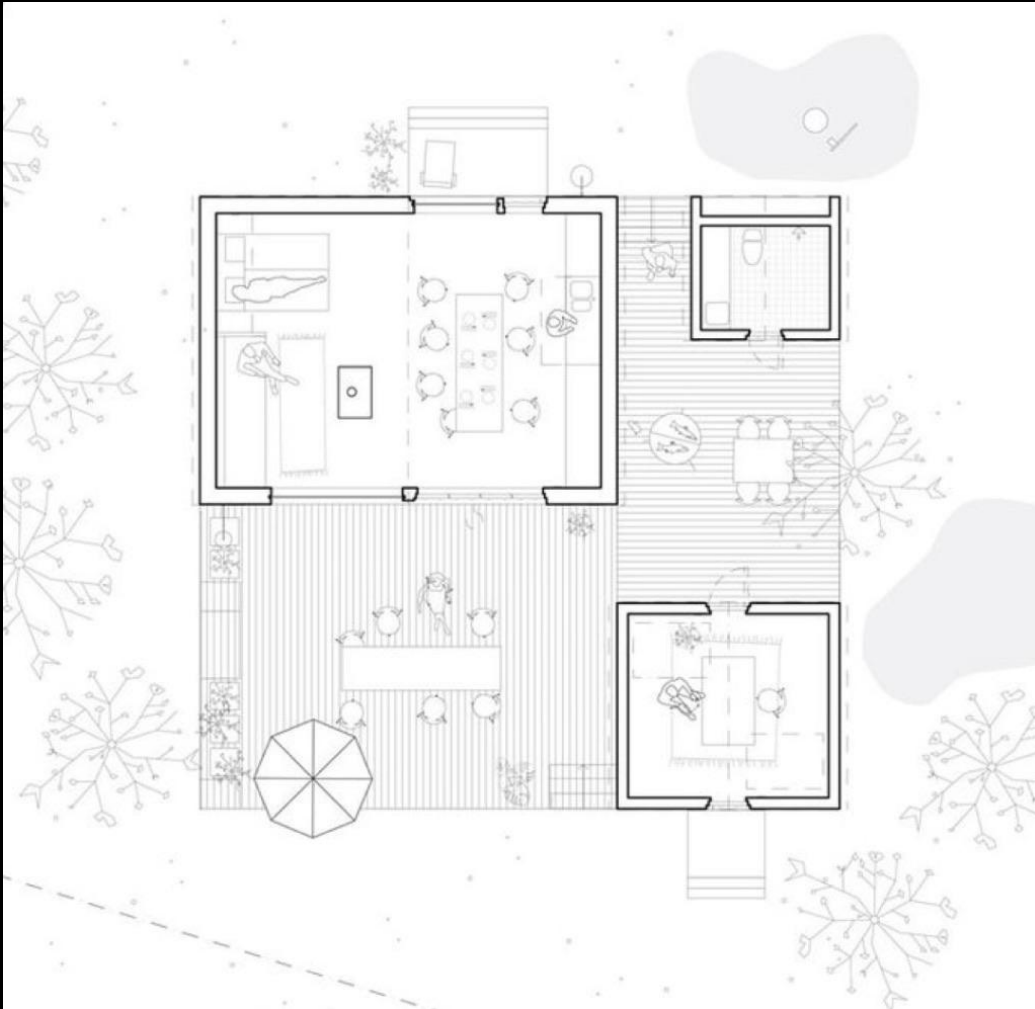
Site Plan

Scale: 1/16"=1' (recommended)



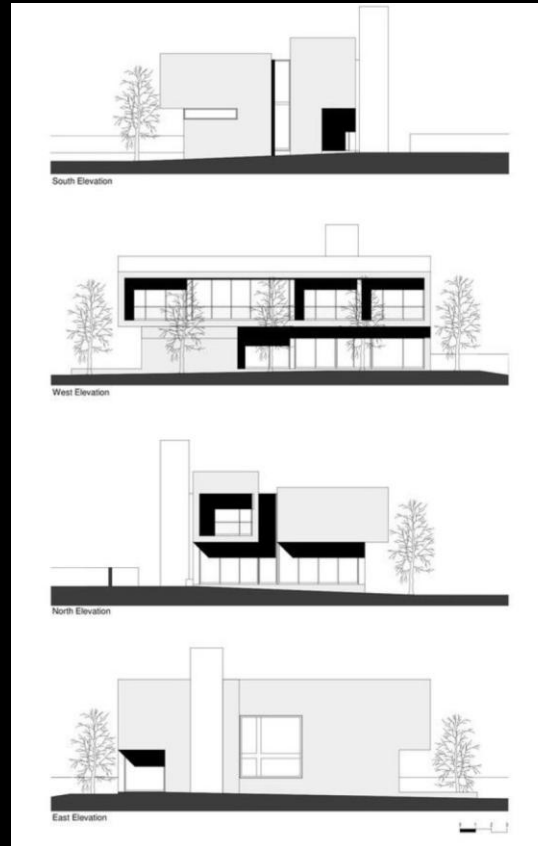
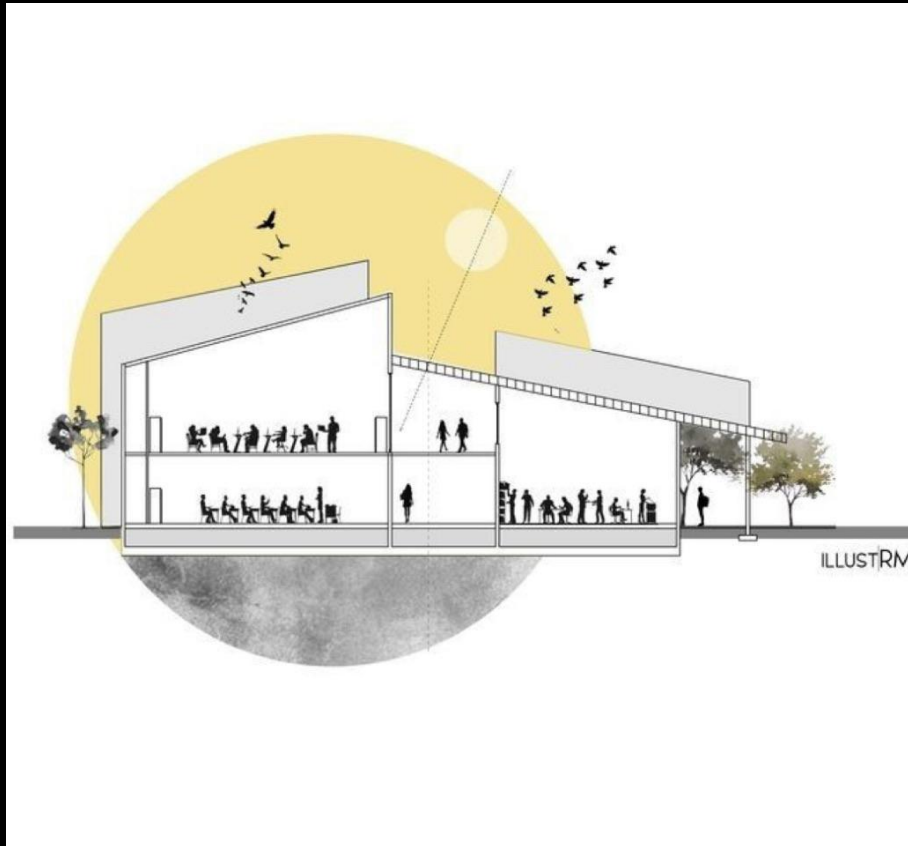
Floor Plan

Scale: 1/8" or 1/16"=1'



Elevations + Sections

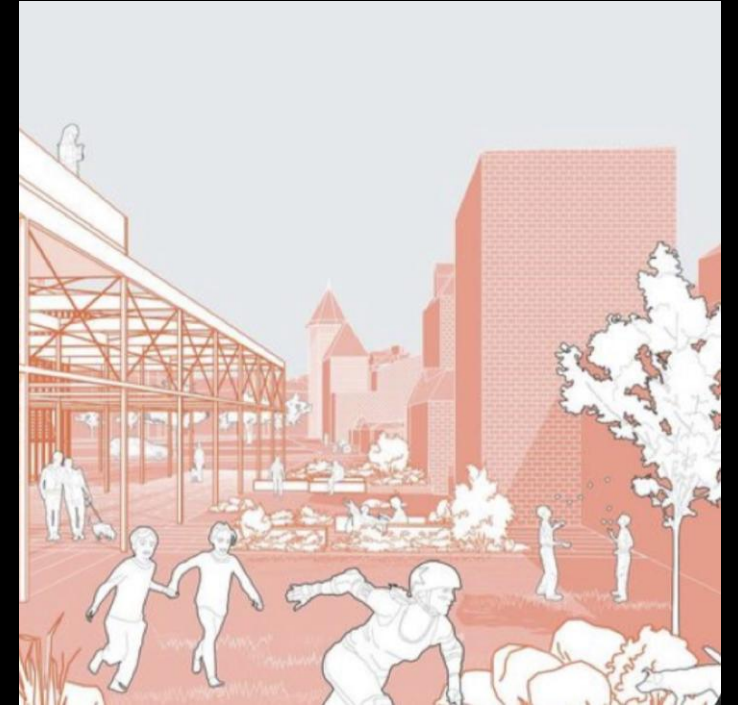
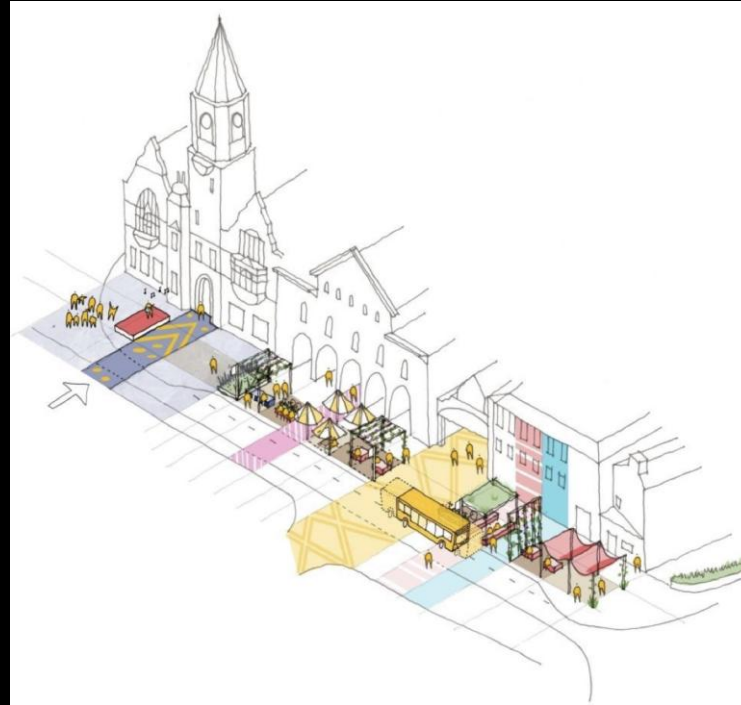
Scale: 1/8" or 1/16"=1'



3D Views

Perspectives, axons, etc.

Could be digital renderings, collages, drawings—use your creativity!



Physical Model Scale: $1/8" = 1'$

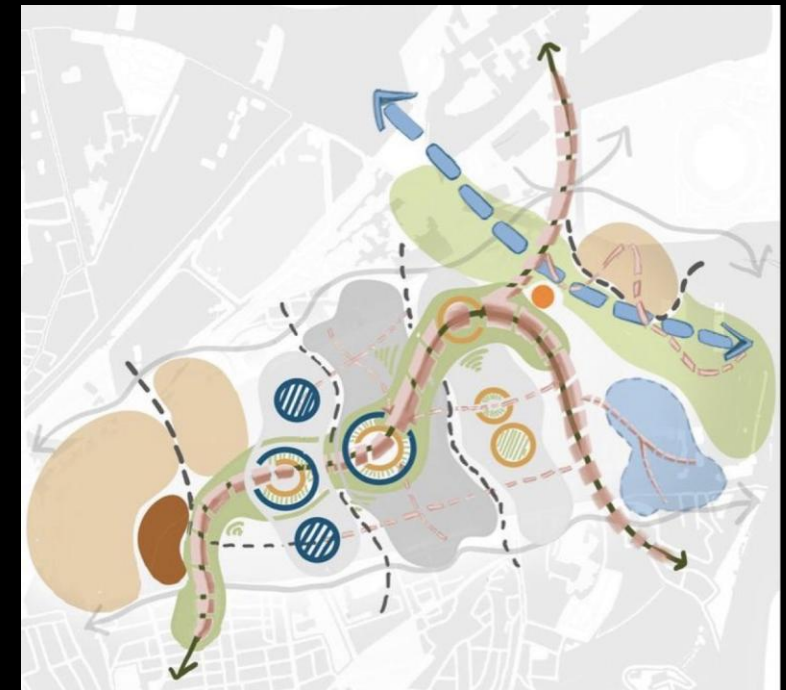
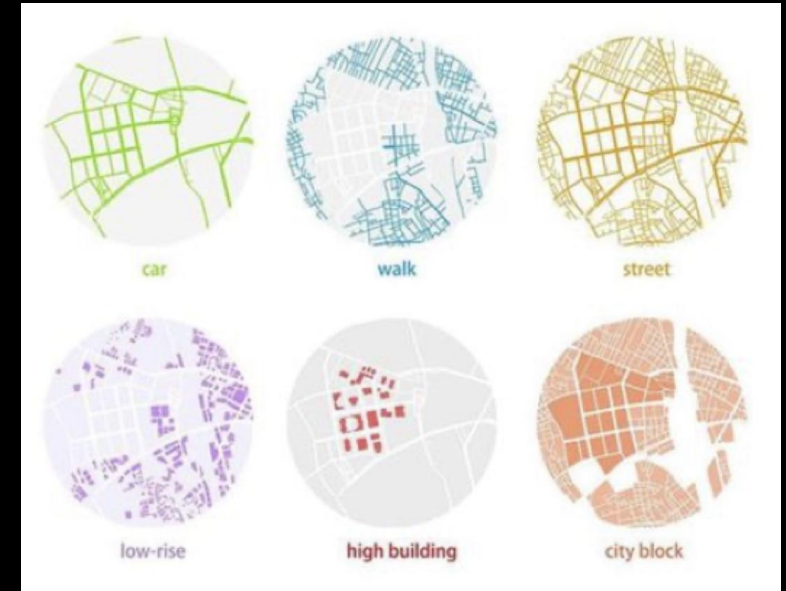
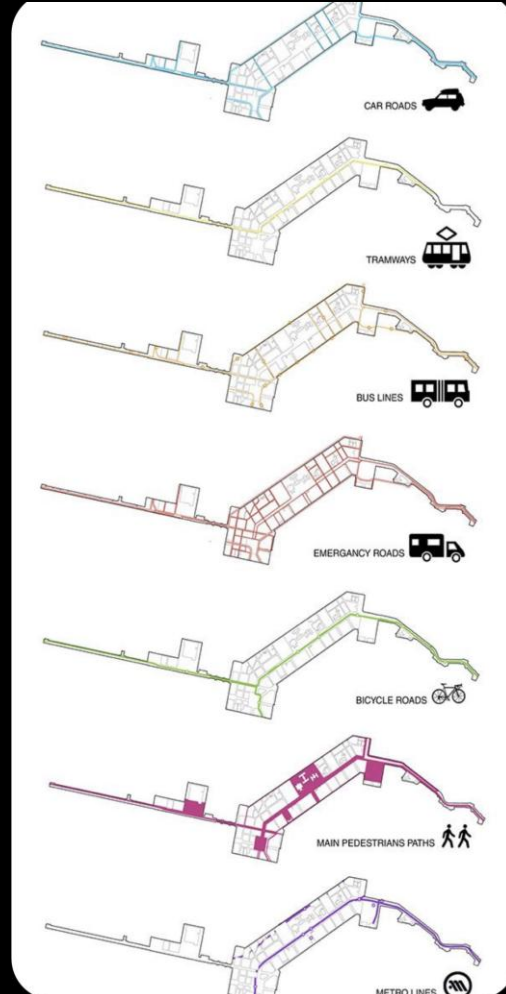
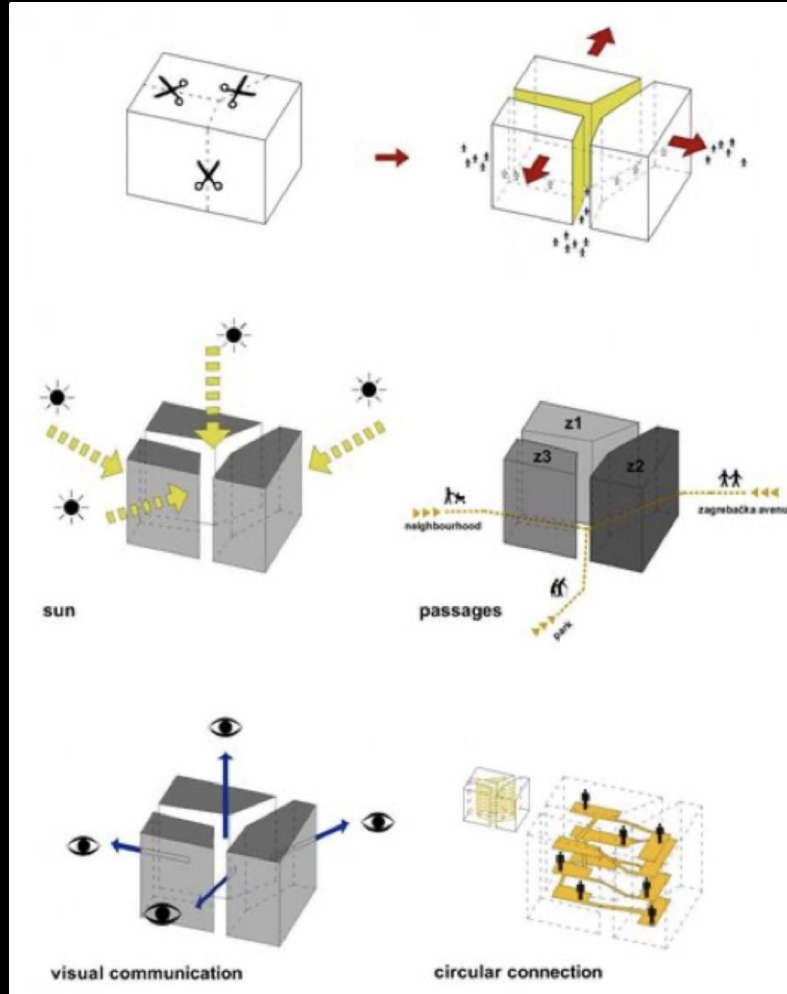


Physical Model Scale: $1/8"=1'$



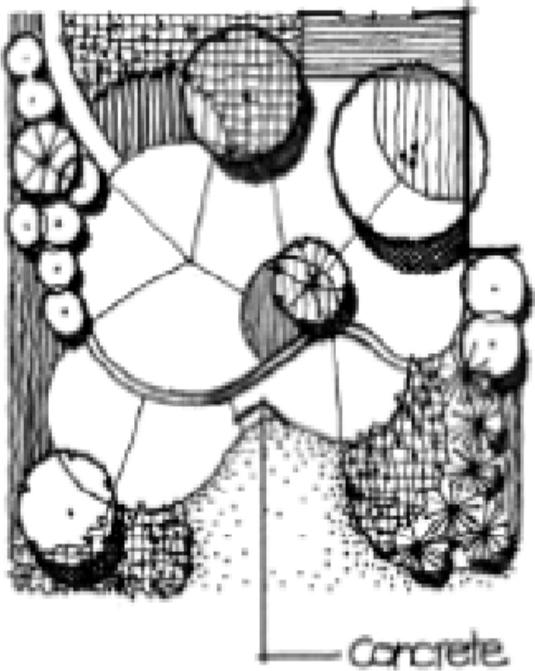
Optional: Diagrams

tell the “why” of your project in a concise, visual manner



Optional: Concept/Process Sketches

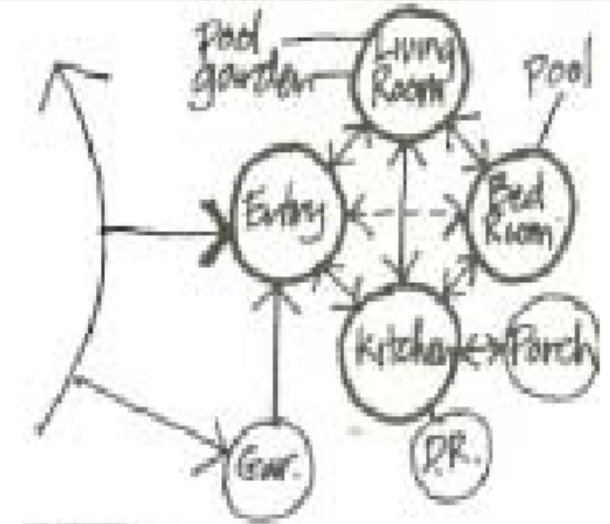
show where your ideas started!



Final Sketch



Conceptual Sketch



A Bubble Diagram

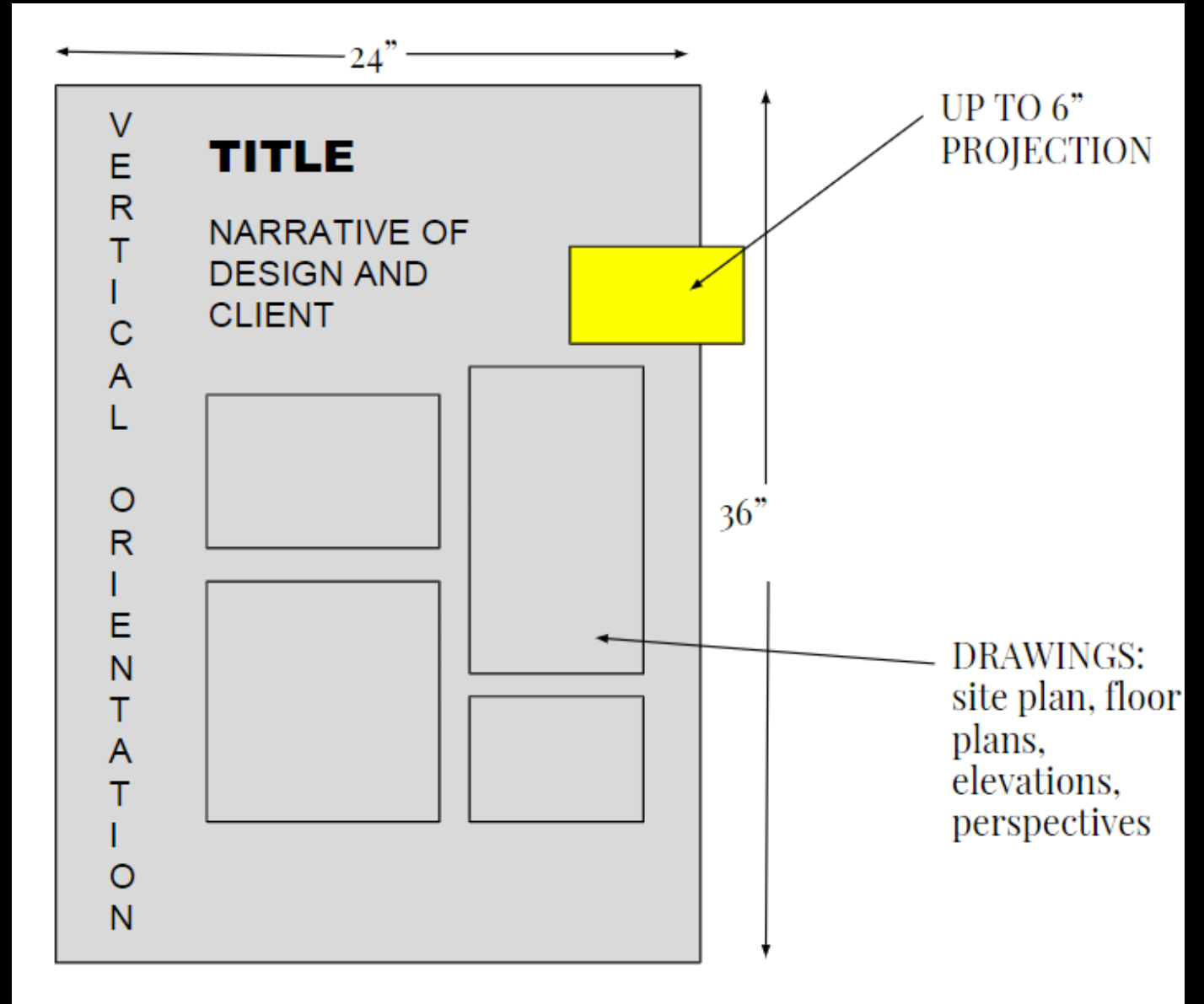
Other Supplemental Materials

Extras to Include:

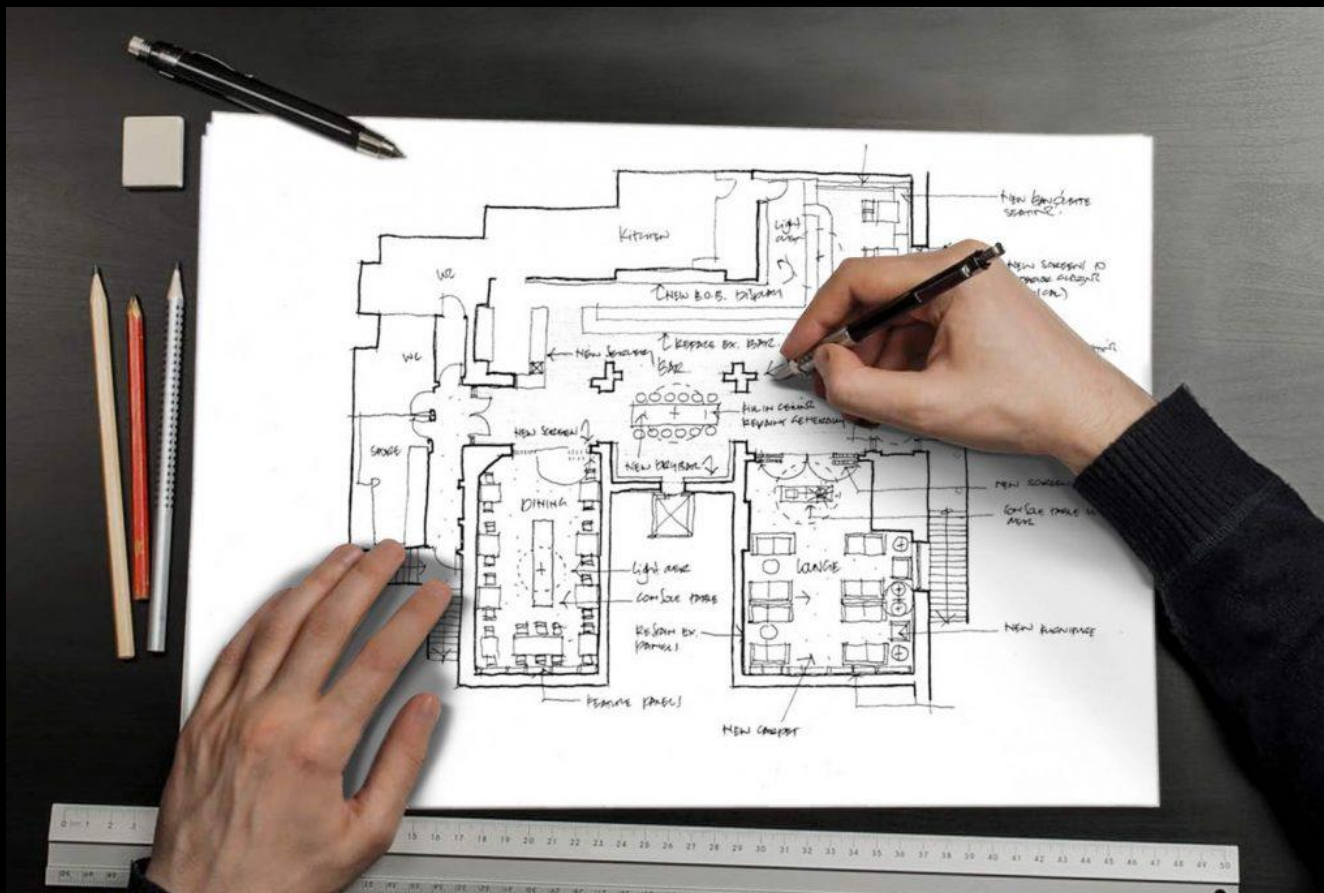
- QR Code
- Stacked Paper (flip-through)
- Inspiration Images
- Material Samples/Textures

Board Requirements

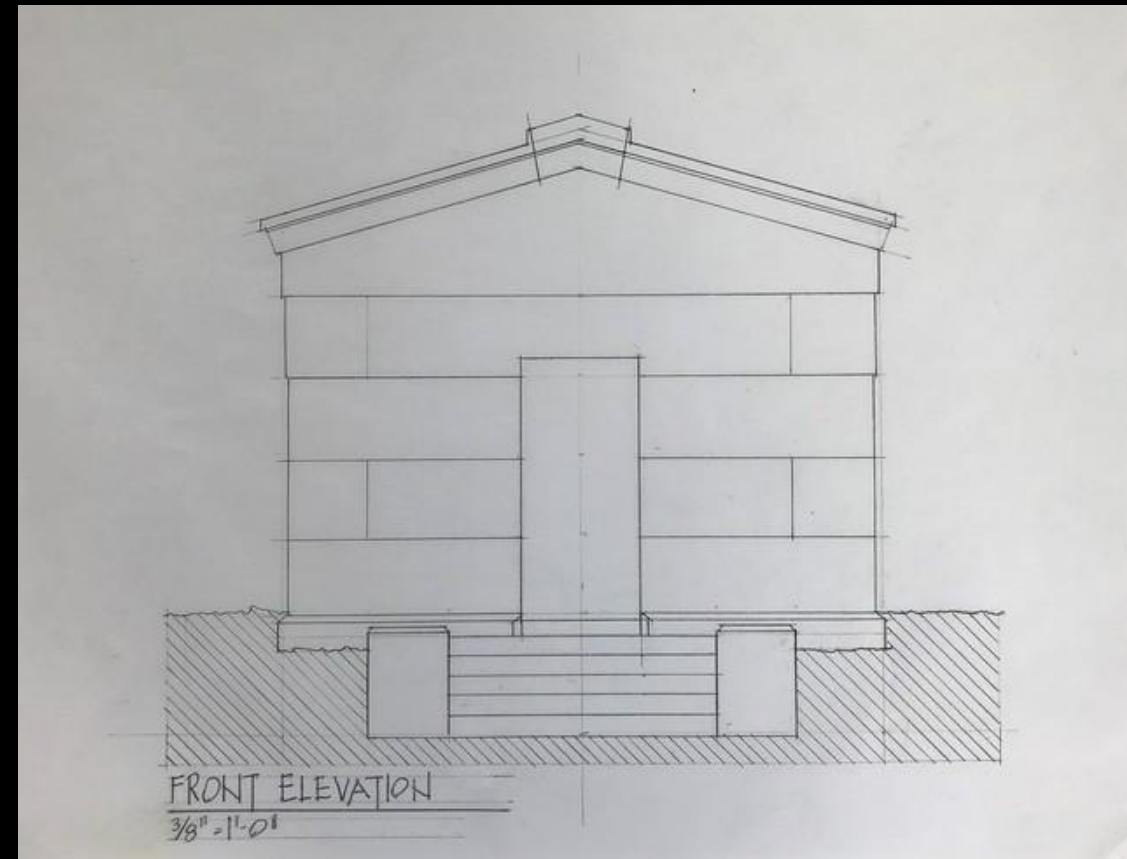
- 24"x36" foam board (vertical)
- Required Drawings and Concept Statement (150 words)
- In addition to your drawings, consider:
 - Material palette samples
 - Collages
 - Process sketches
 - Process Diagrams
- DO NOT put your name on your board



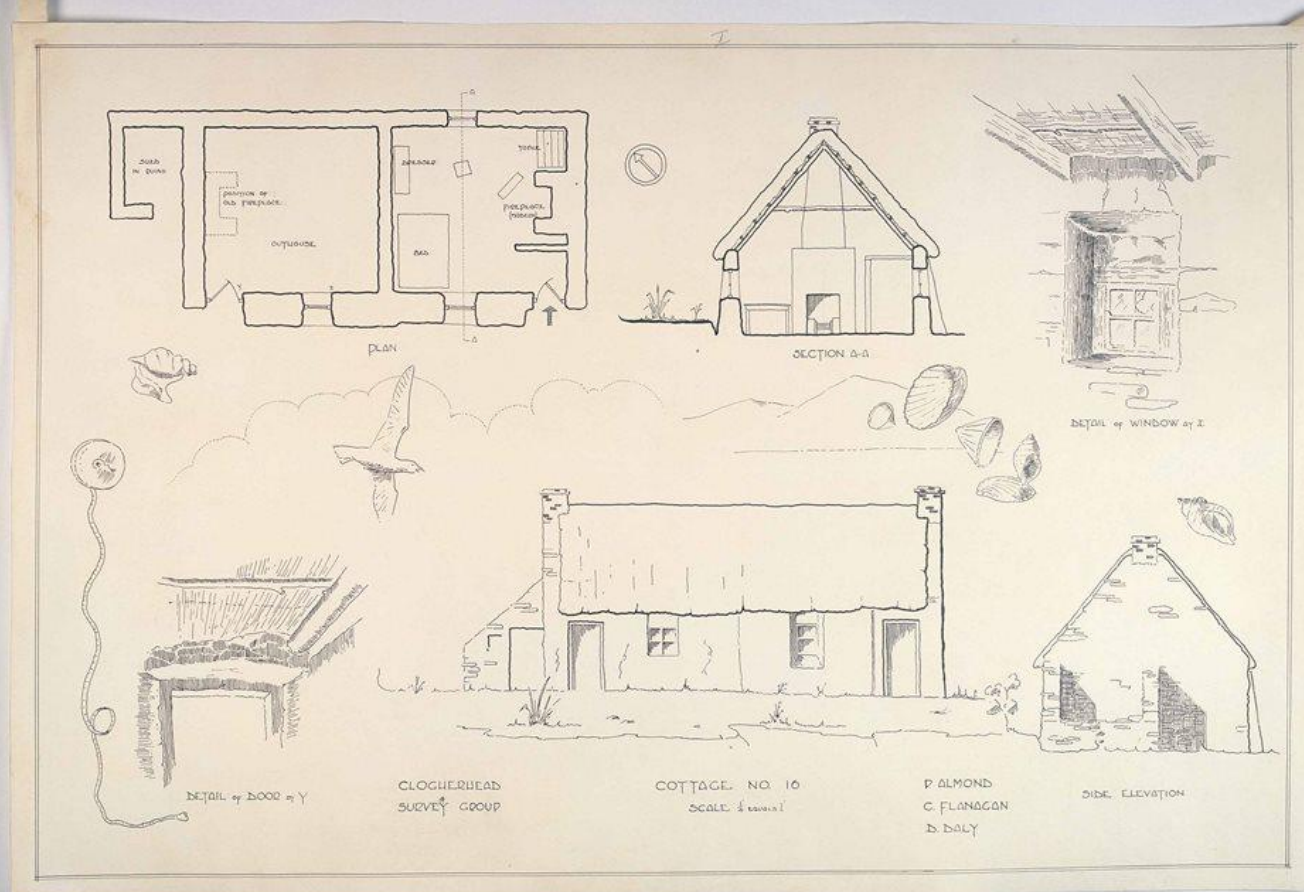
Hand **Drafting**



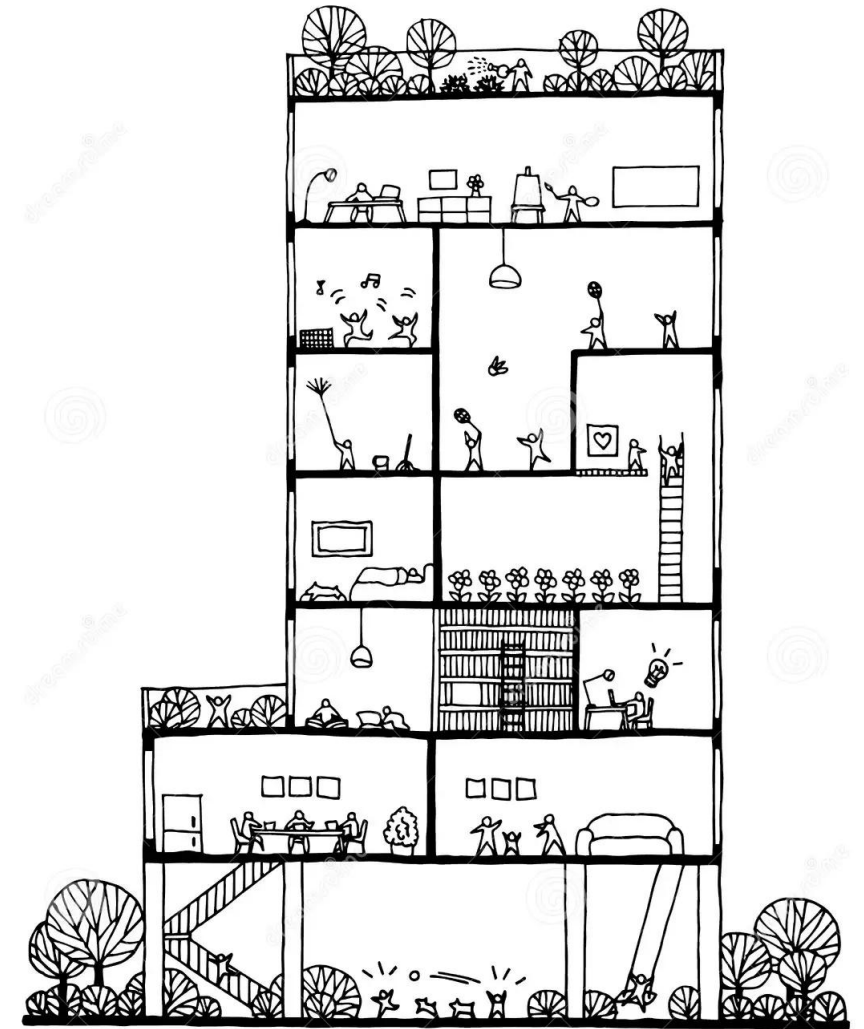
Floor Plan



Elevation



General Example

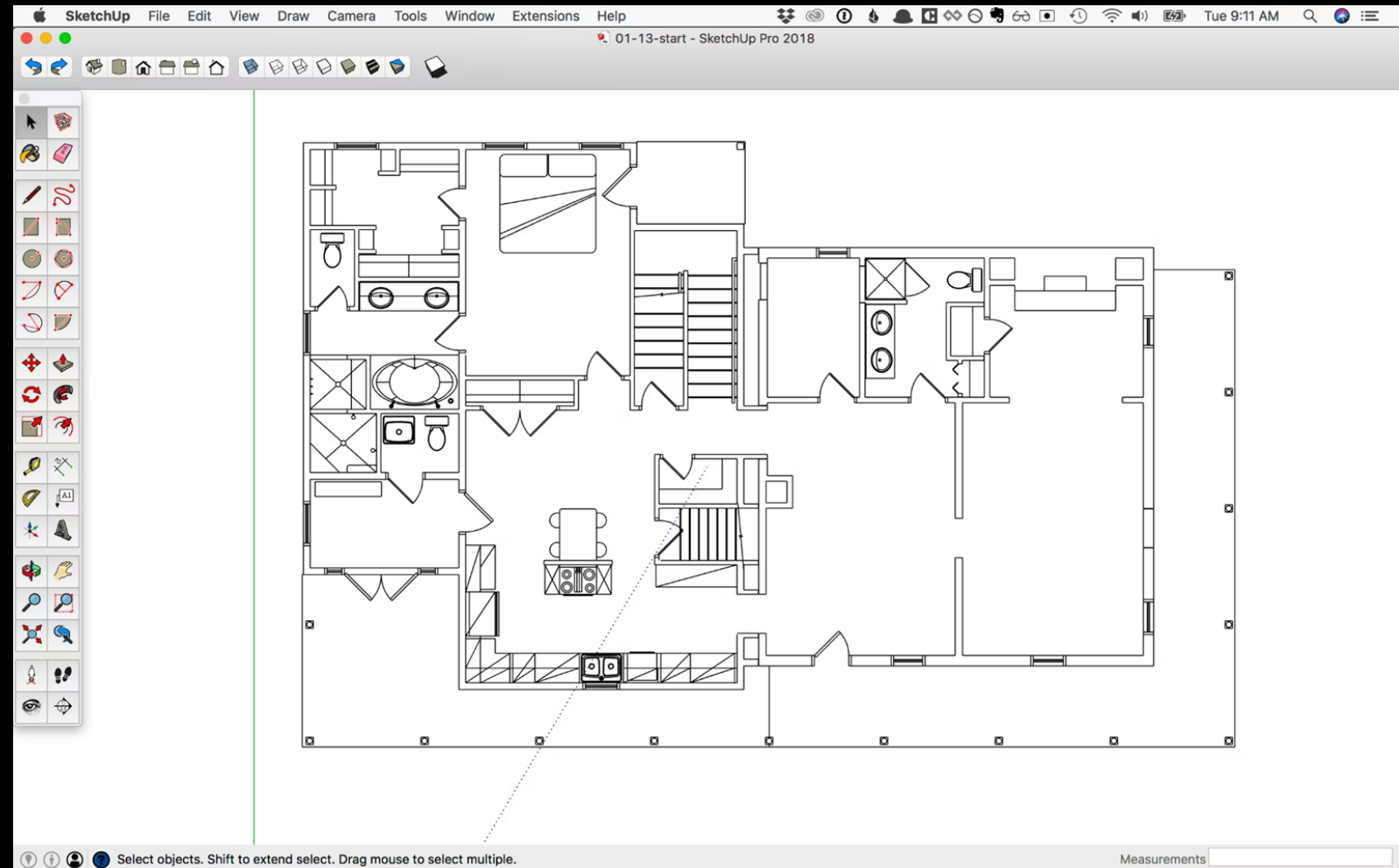


Section Drawing

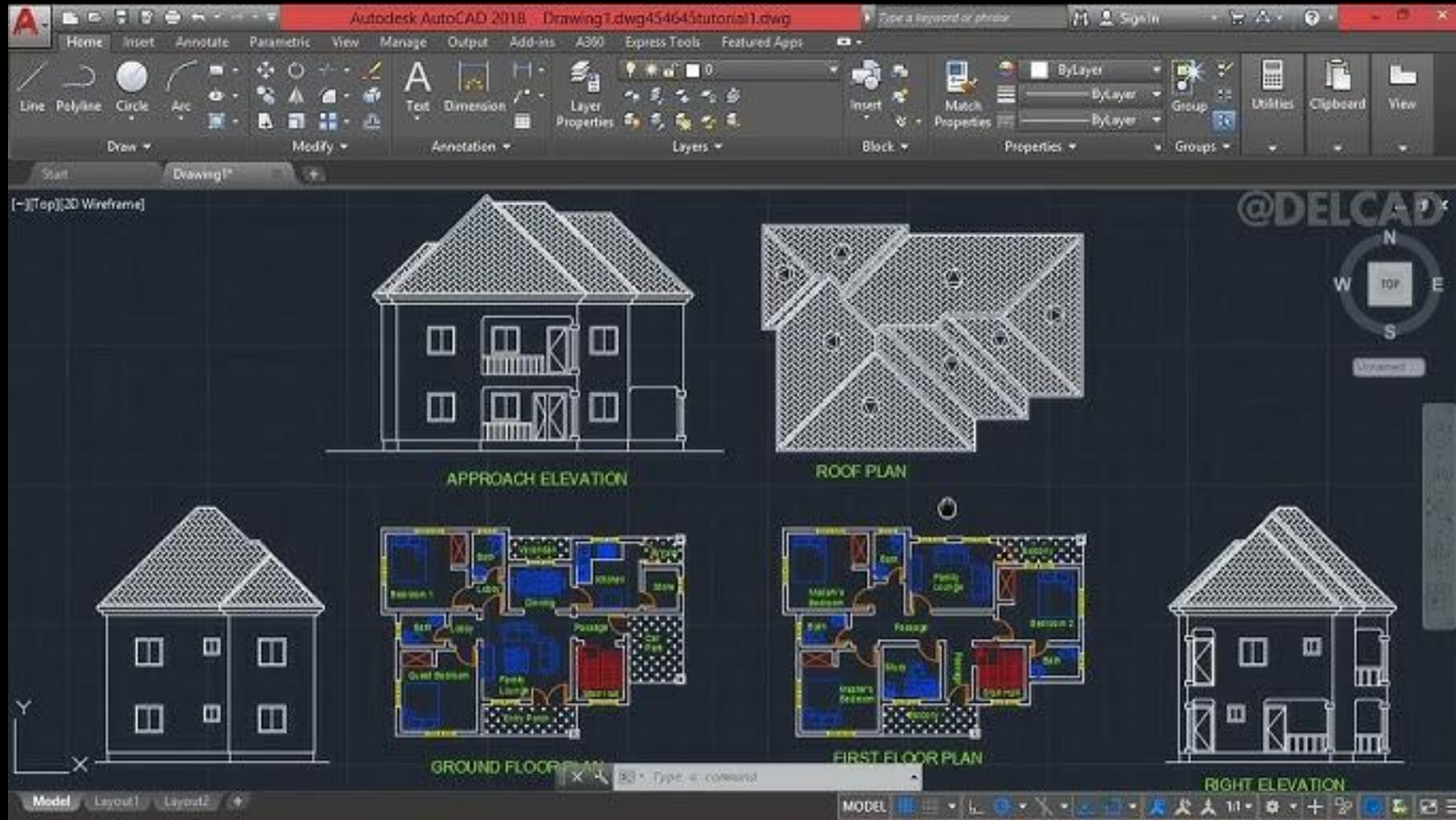
Digital Drawing

- SketchUp (Free)
- AutoCAD
- Revit

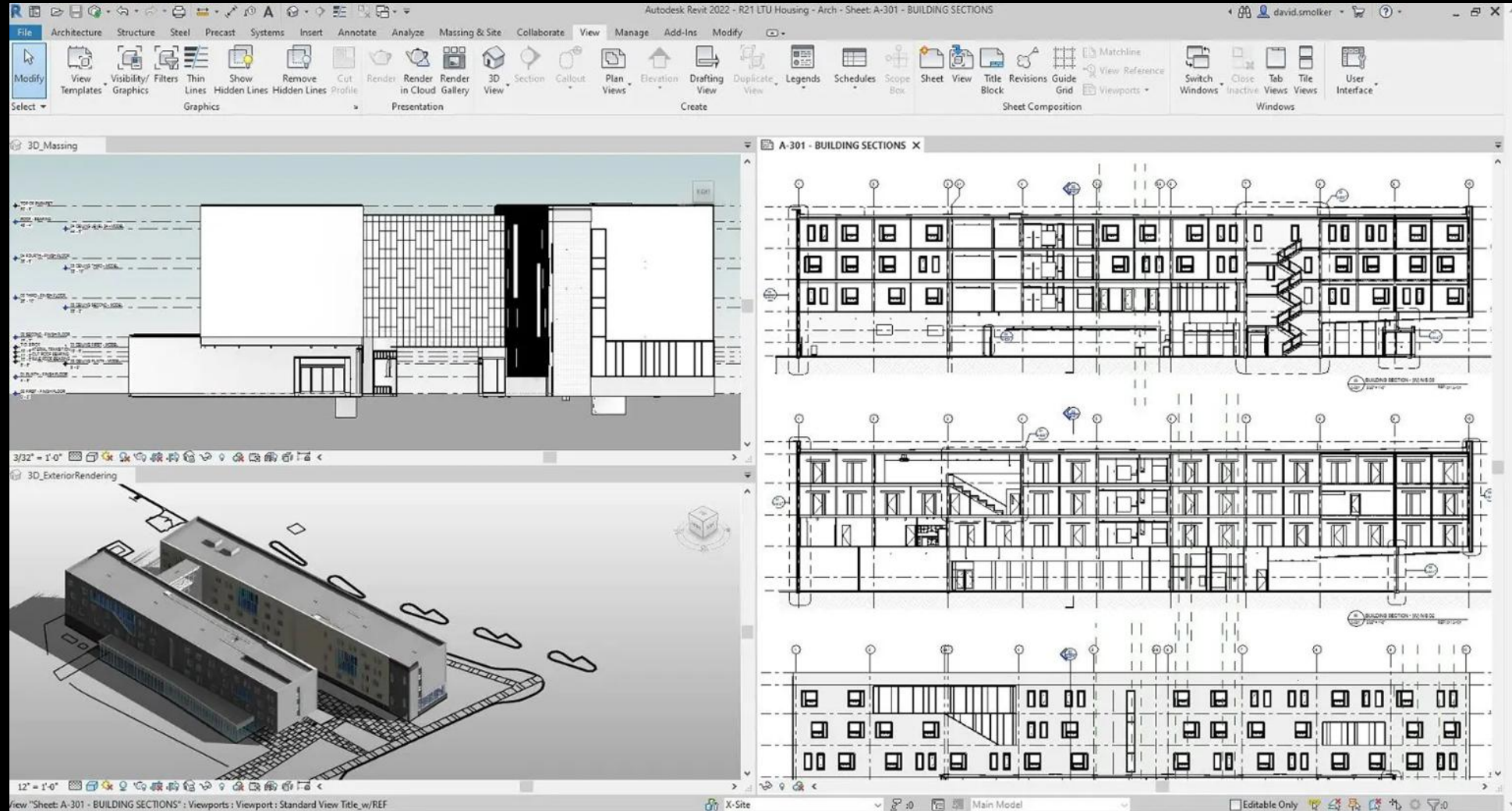
SketchUp



AutoCAD: 2D Drawings



Revit: 3D Modeling



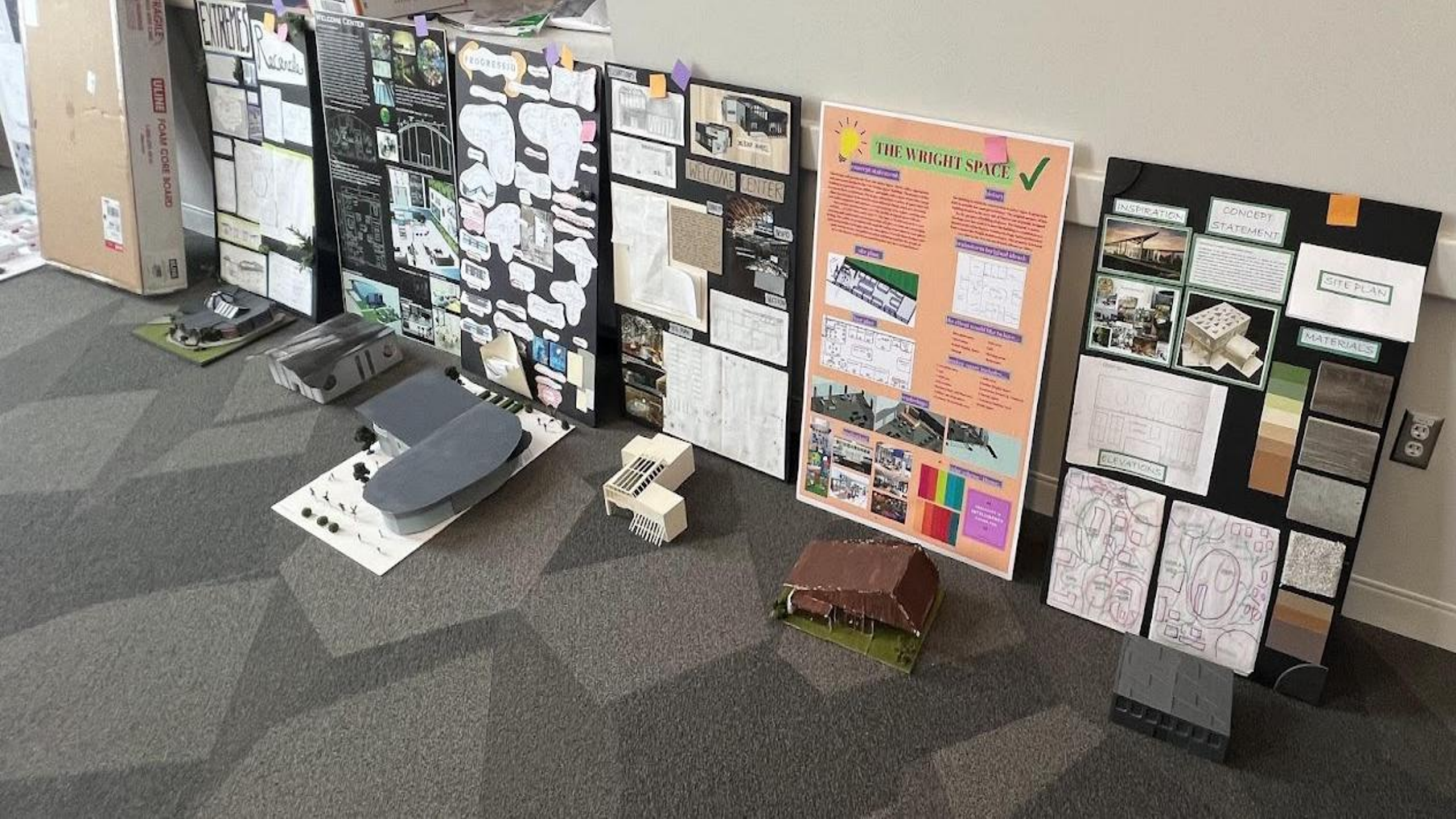


Physical Model

Materials

- Foam Board
- Balsa Wood
- Cardboard
- Transparency Paper
- Cardstock
- Foam/Polystyrene
- Site Details
- Vegetation





Design Reviews

- Every Thursday 3pm-5pm
- Dayton Metro Library
Main Campus- Parkside
Group Study Room 2B
215 E 3rd St, Dayton, OH 45402

1/23/25 Week 1

- Third-Space Research/Examples
- Site Analysis
- Inspiration Images

1/30/25 Week 2

- Concept Sketches
- Concept Statement (Rough Draft)
- Bubble-Diagram

2/6/25 Week 3

- ADA Requirements
- Codes
- Scale Exercise

2/13/25 Week 4

- Necessary Drawings:
 - Site Plan, Floor Plan, Elevation, Section Drawing, 3-D Rendered Perspectives

2/20/25 Week 5

- Cont. Necessary Drawings
- Model Building - Materials
- Start Physical Models

2/27/25 Week 6

- Finalize Necessary Drawings
- Physical Model - Build Day

3/6/25 Week 7

- Physical Model - Build Day
- Board Layout

3/13/25 Week 8

- Finalize Board
- Review of Requirements

Project Schedule



Southeast Branch Library:
21 Watervliet Ave. Dayton, Ohio 45420

Project Turn-In

March 20th Submission due between
4pm and 6pm
Southeast Branch Library

Awards Ceremony

April 5th 10am-12pm
Southeast Branch Library

Awards

Honor Award: Monetary Scholarship

Merit Award: Monetary Scholarship

Honorable Mention (2): Architectural book award

Future Architect Award: Awarded for a great concept

Master Craftsperson Award: Awarded for the best model

Most Creative Use of Materials: Awarded for creativity in the use of materials



Thank You!



Dayton