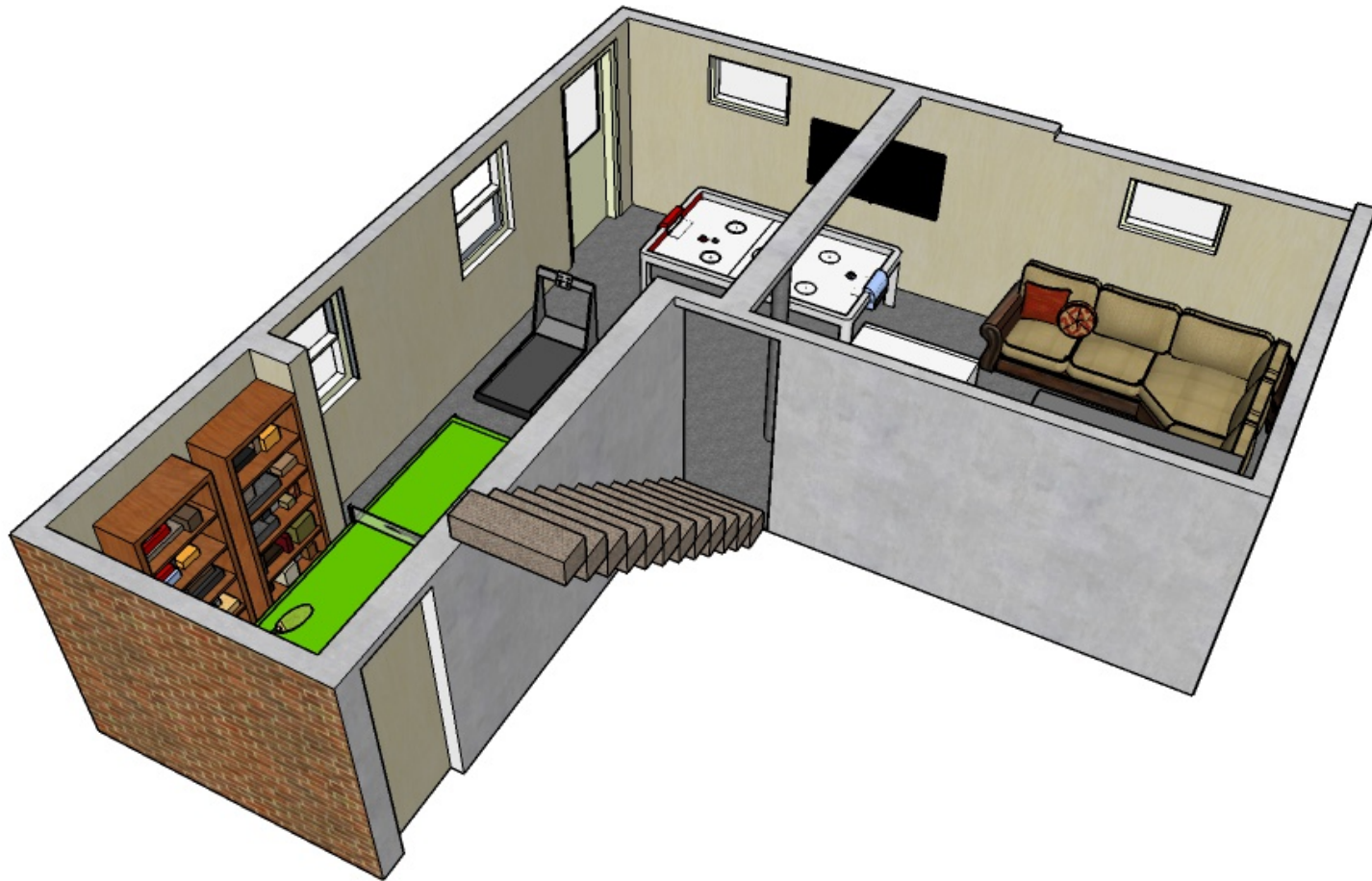




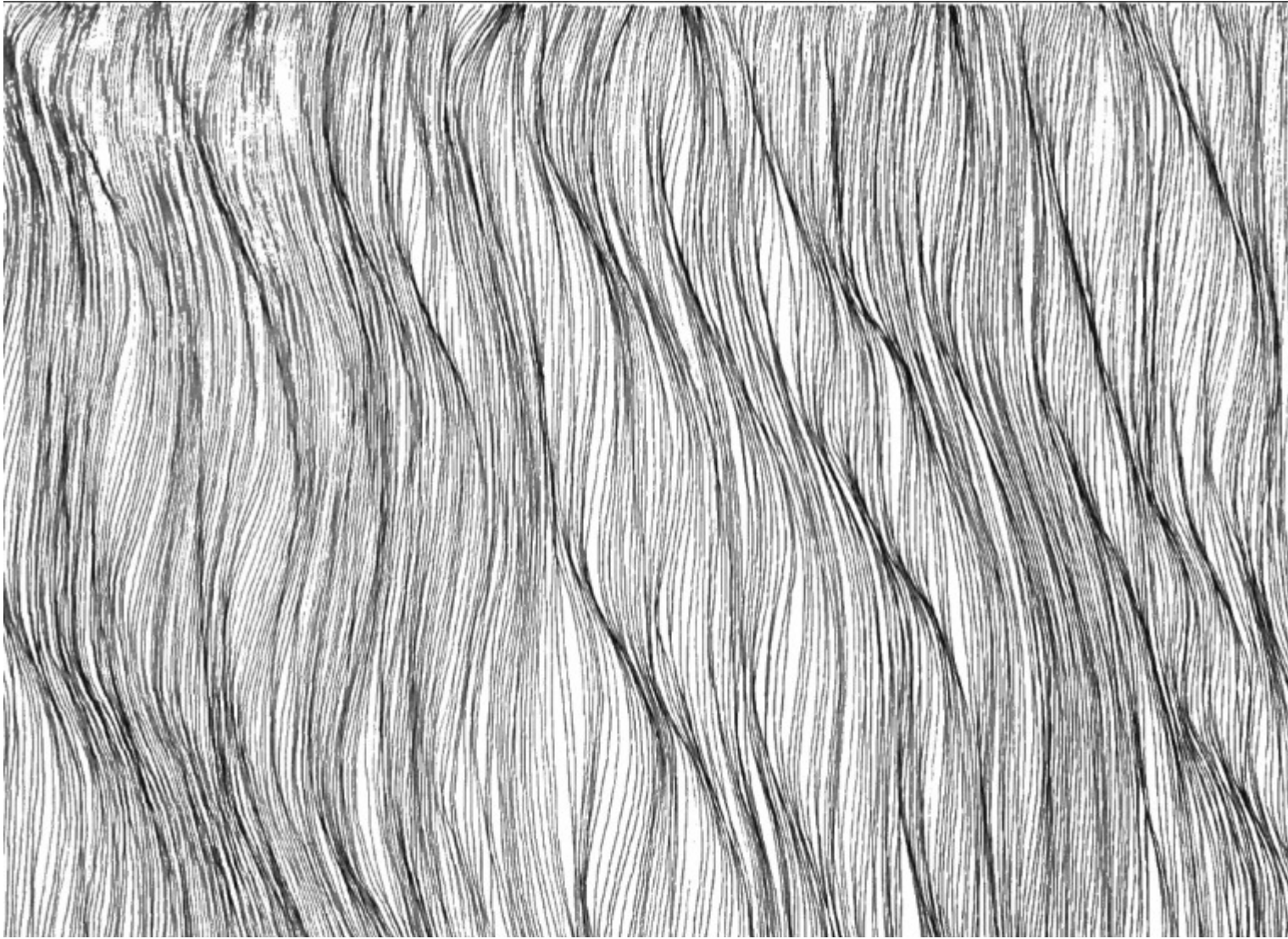
Included in this portfolio are multiple projects assigned in studio class and drawings I created in my free time. Programs used for the following work include Google Sketchup and Revit. Hand drawing remains a very important part of being a successful architect and engineer because it slows down the mind, and really emphasizes the small details of the site and the subject. The process and skills of hand drawing are important for learning programs such as Sketchup and Revit.

# Architectural Engineering Portfolio

Sarah McRae



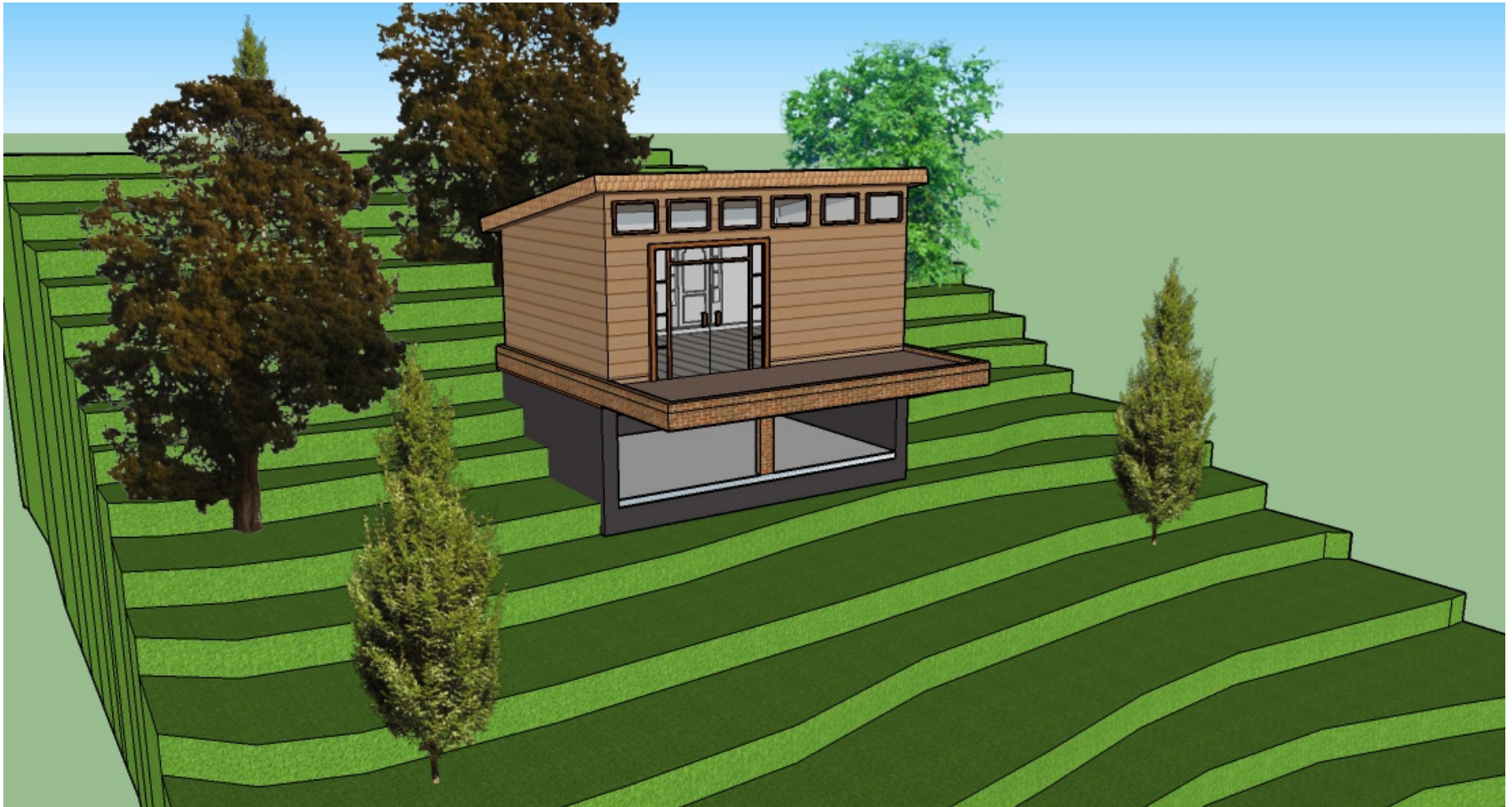
Basement Design in Sketchup



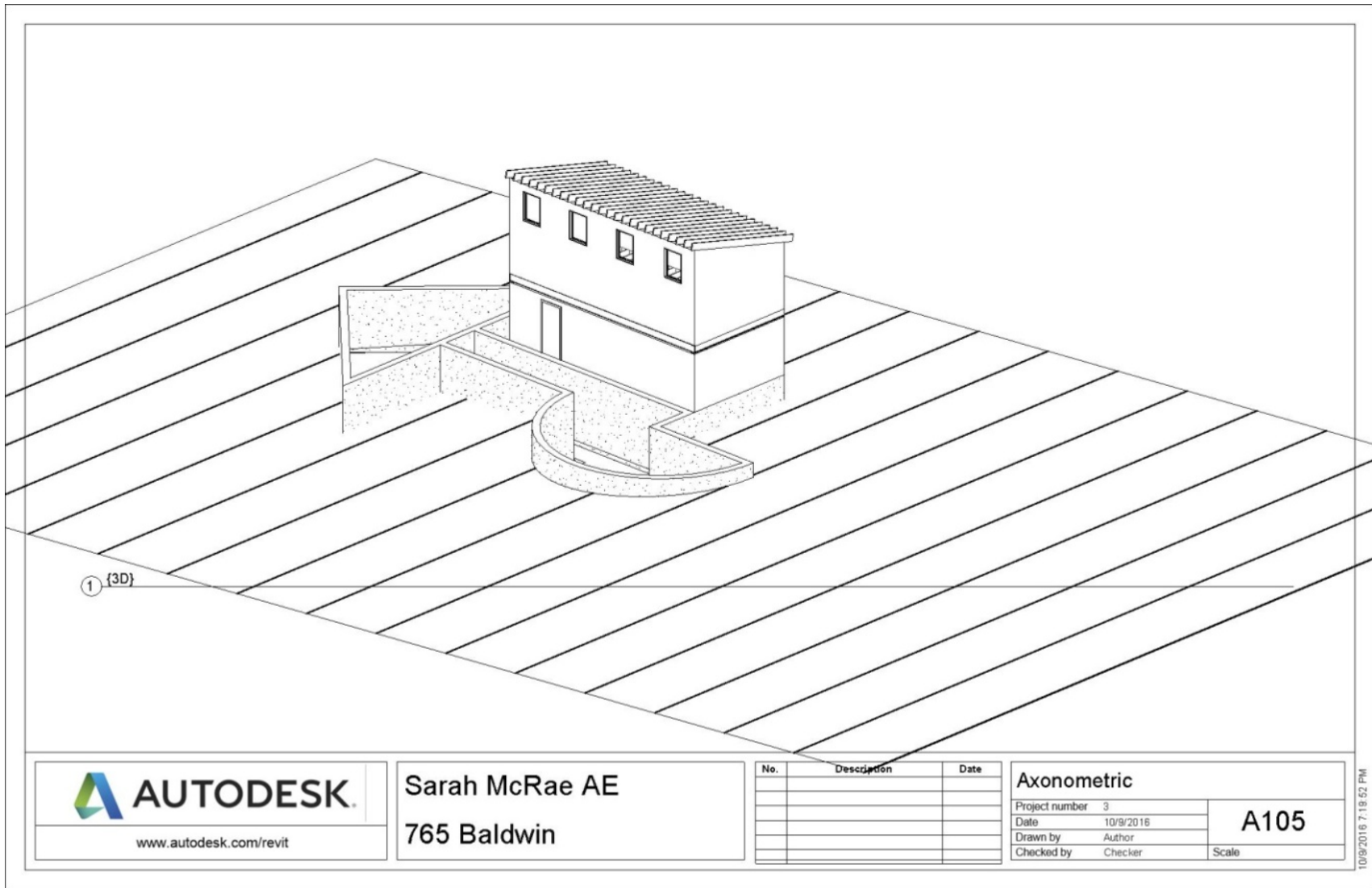
Breathing Lines



Forest Watercolor



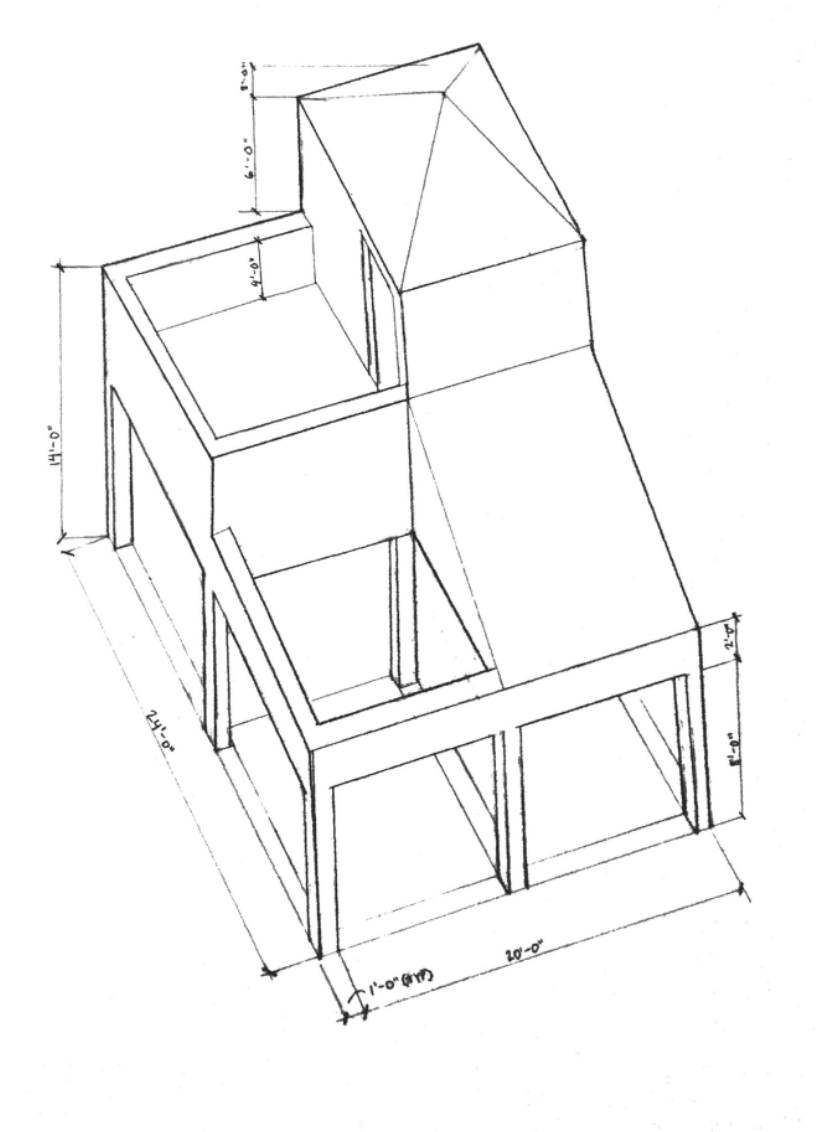
Sketchup Model



# Beginning of Revit House

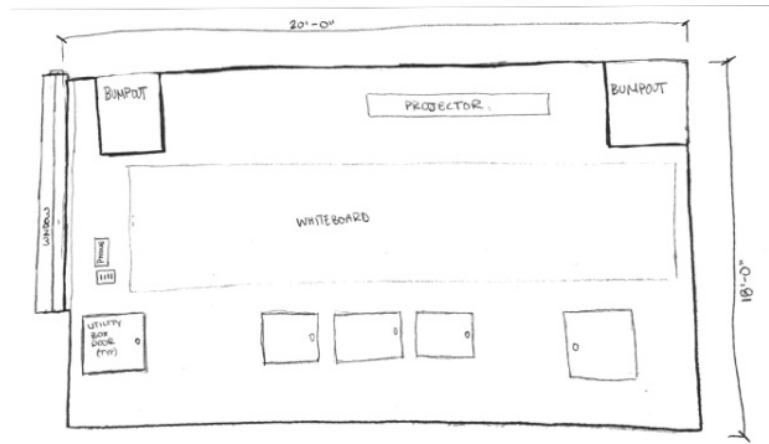


Hands and Feet



Axonometric: diagram and sketch

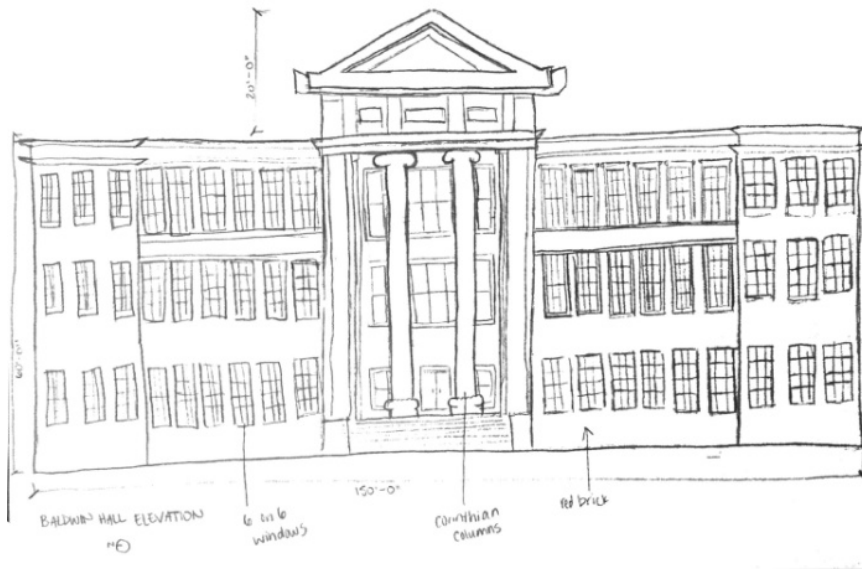




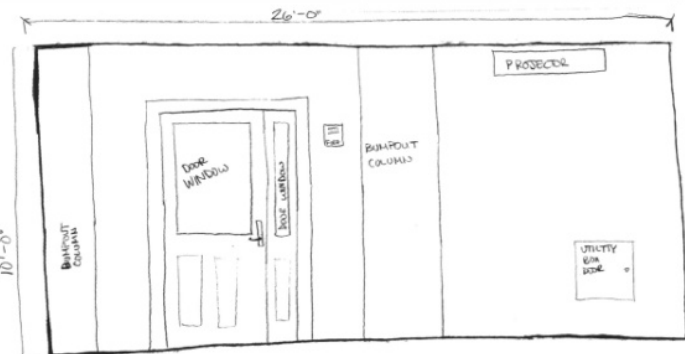
BALDWIN ROOM 649 INTERIOR ELEVATION  
NORTH WALL



VAN WORMER HALL ELEVATION

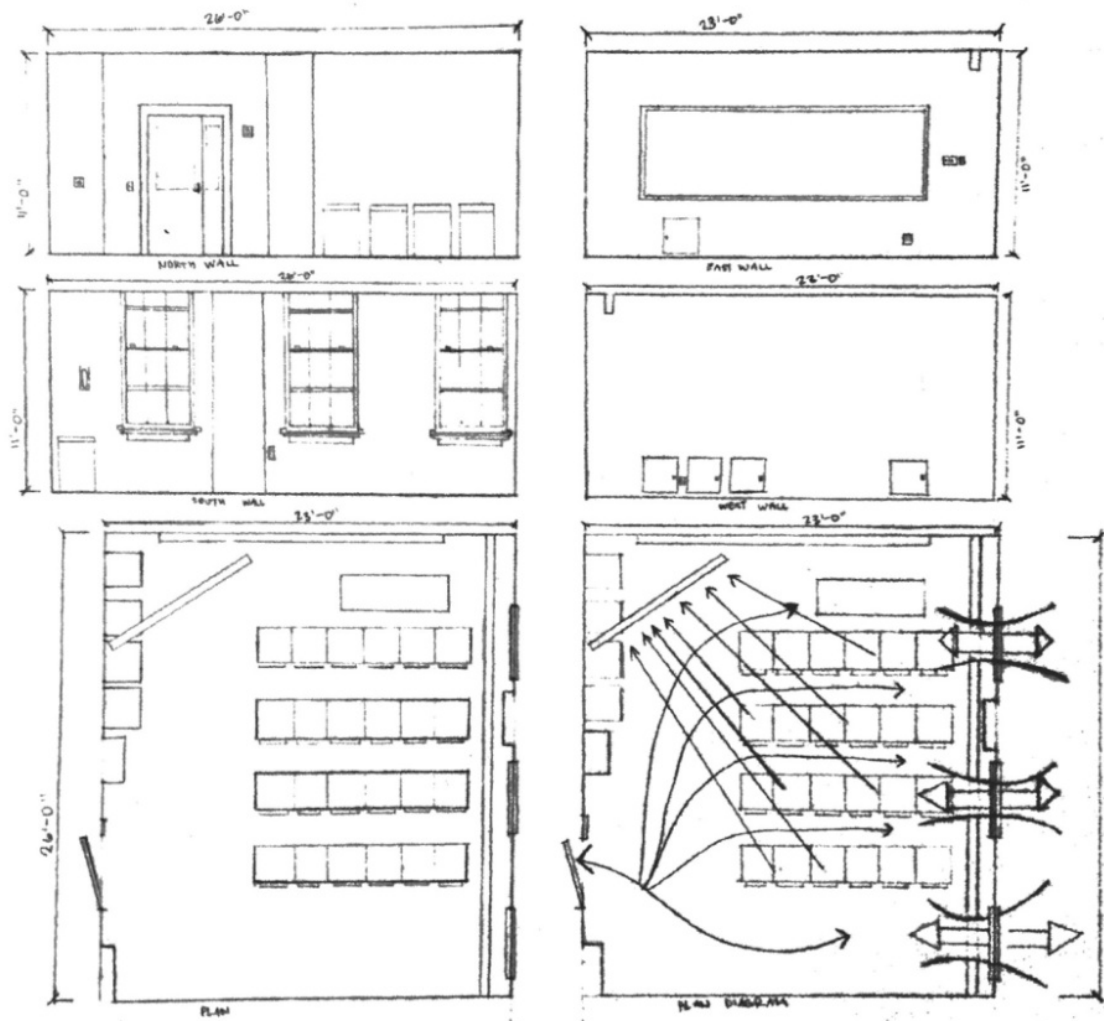


BALDWIN HALL ELEVATION



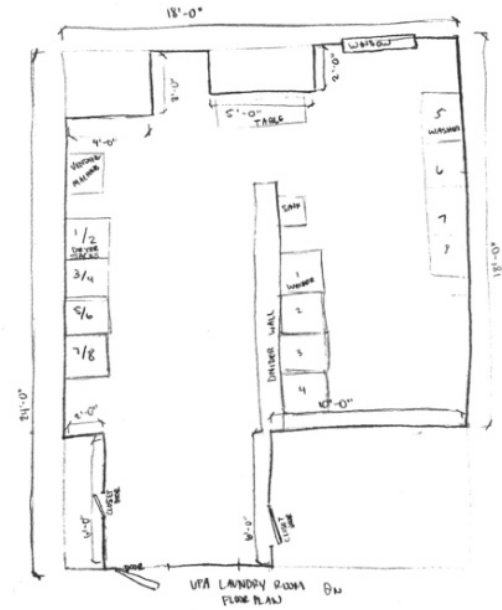
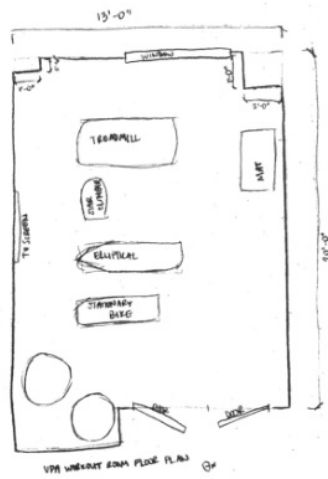
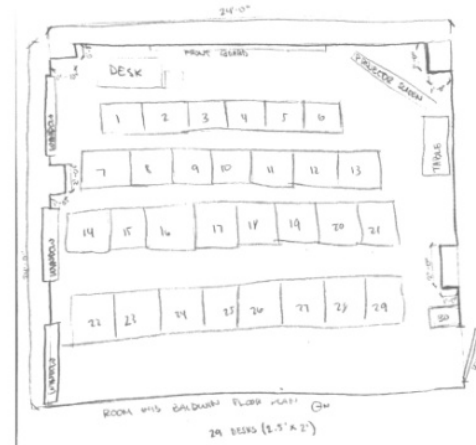
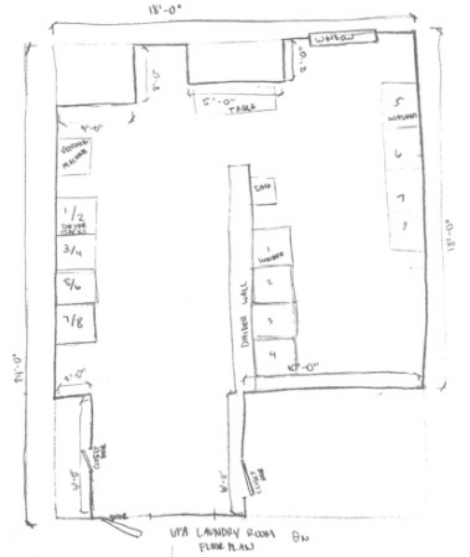
BALDWIN ROOM 641 INTERIOR ELEVATION  
NORTH WALL

## Interior and Exterior Freehand Elevations

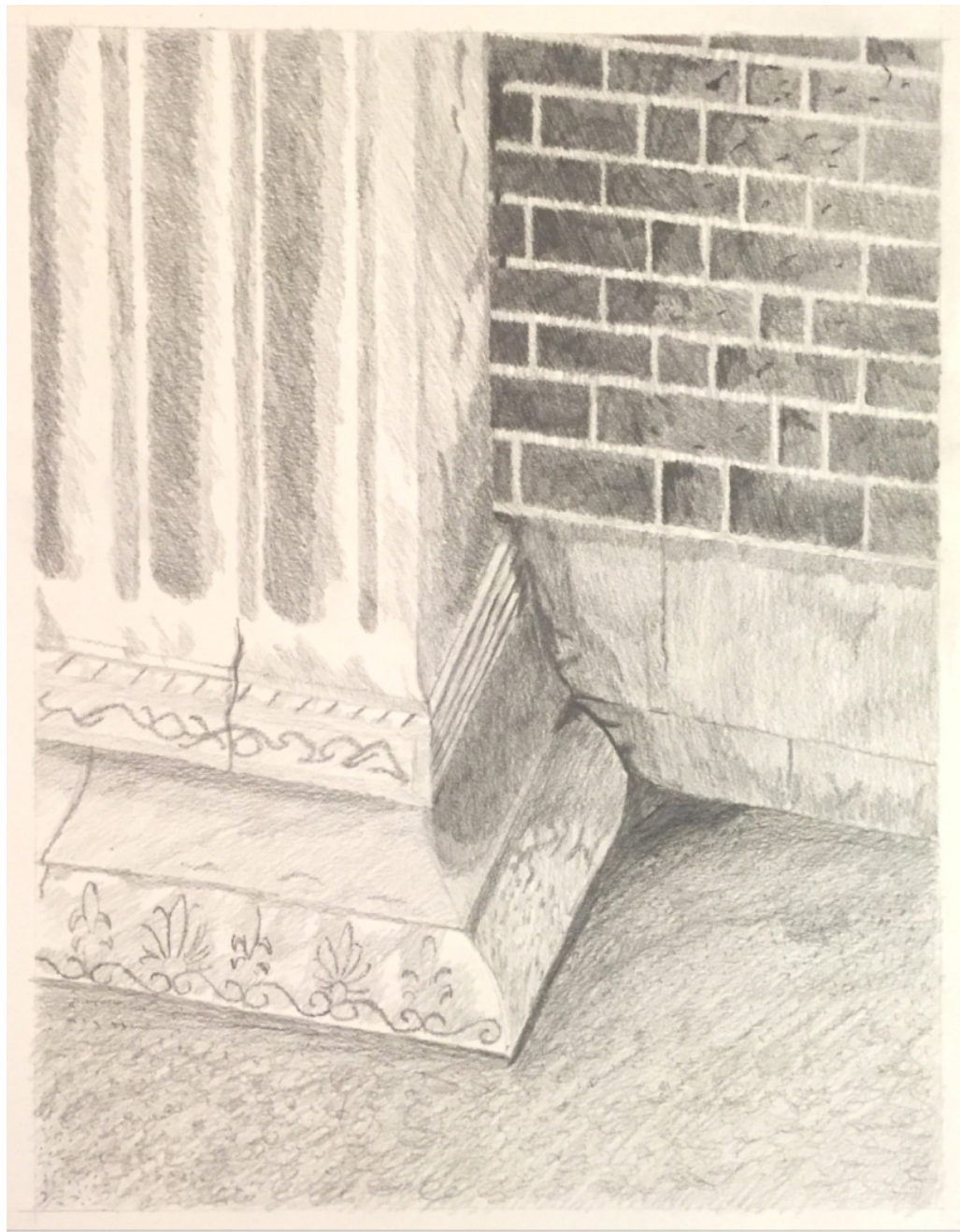


641 BALDWIN HALL

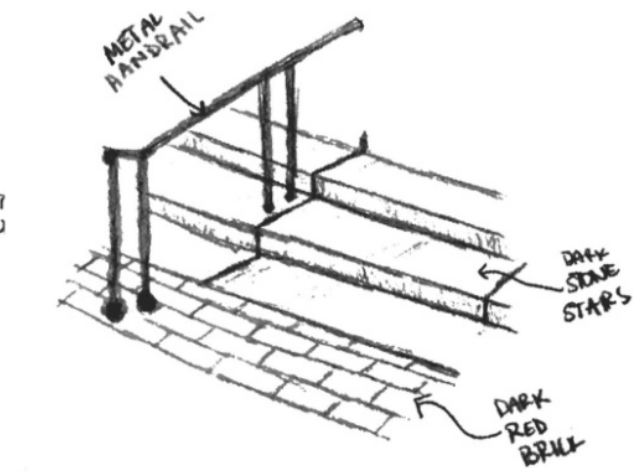
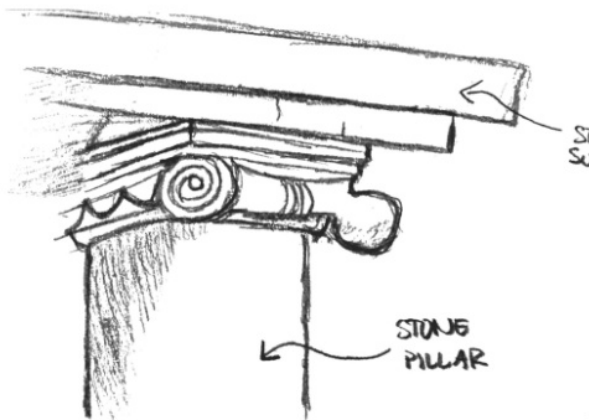
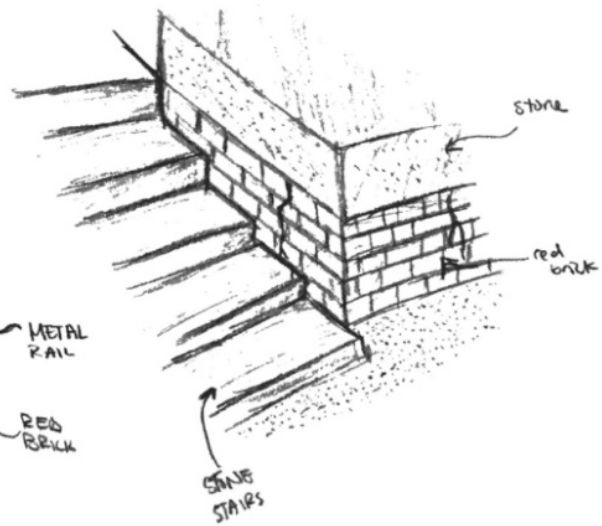
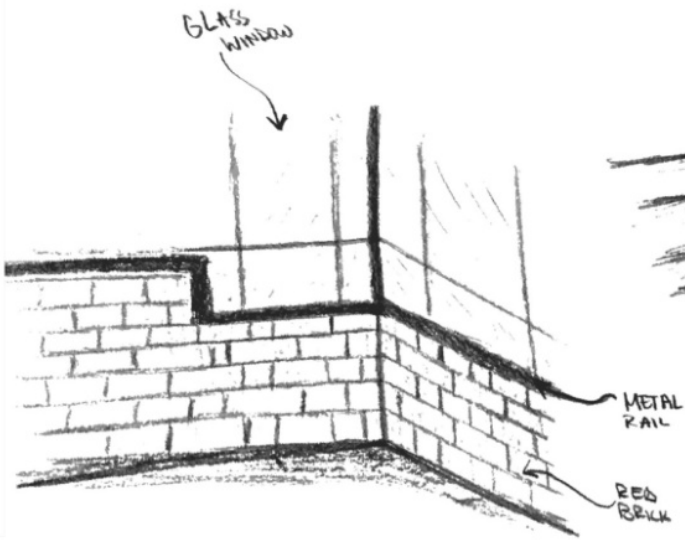
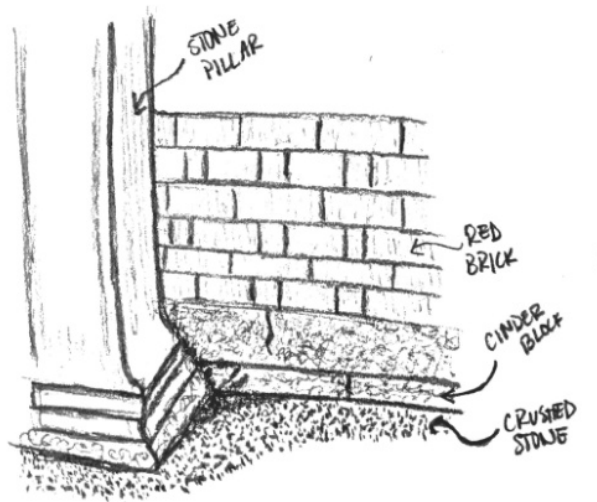
Interior Docs



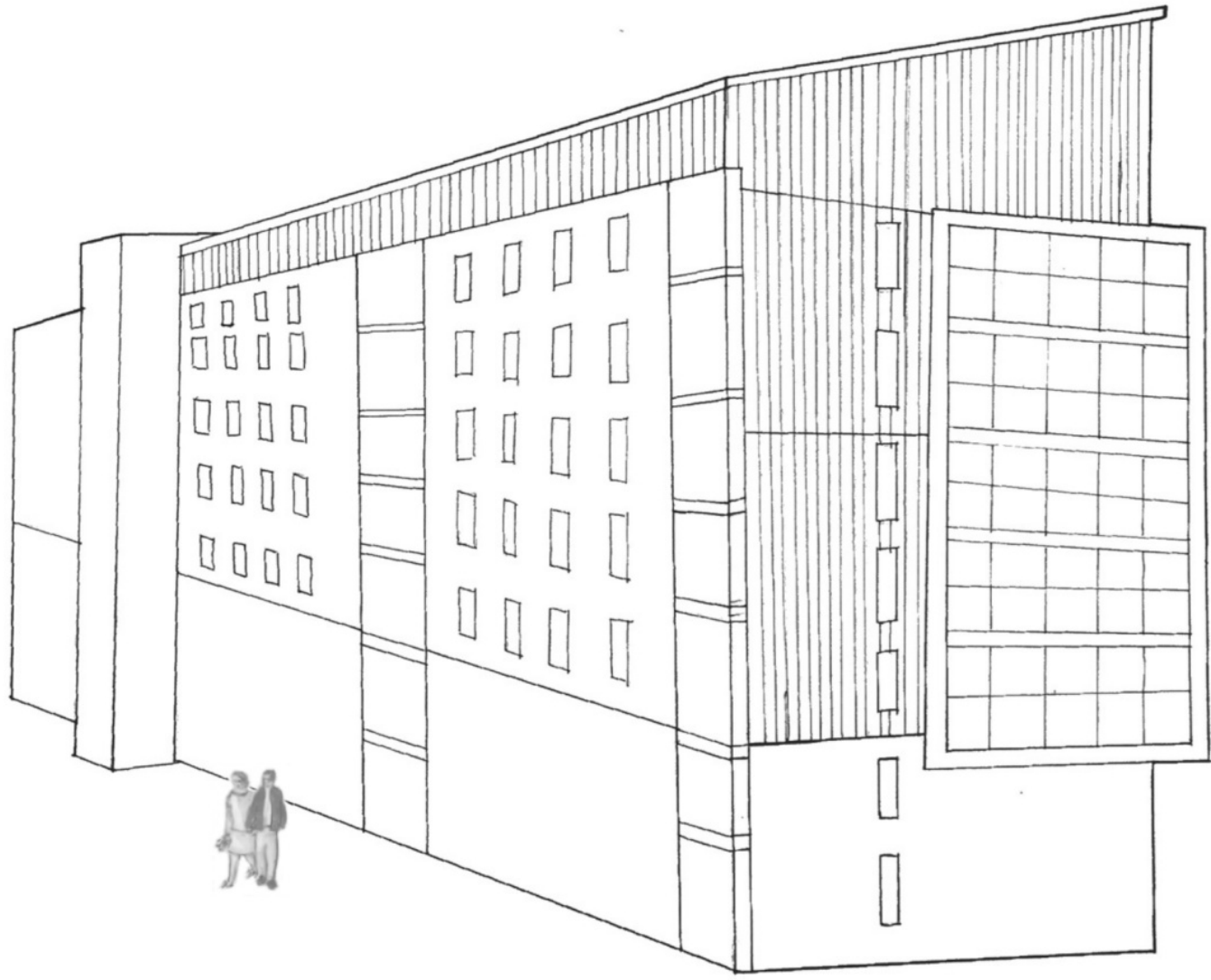
Floor Plans



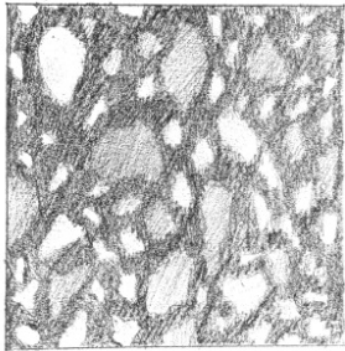
Detail Drawing



Material Detail Sketch



Freehand Perspective



SKETCH - ASPHALT

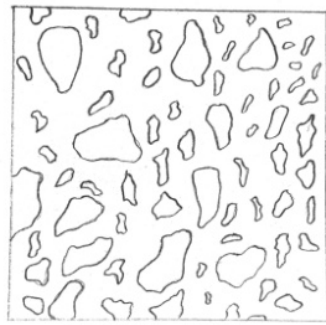
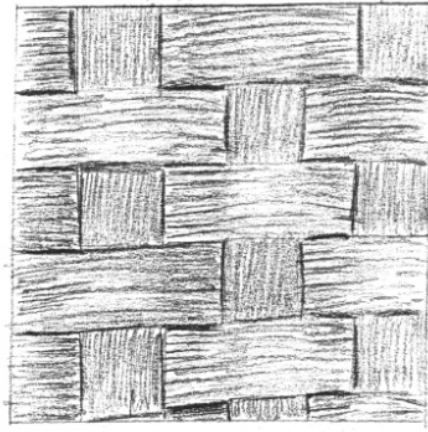


DIAGRAM - ASPHALT



SKETCH - WOVEN RUG

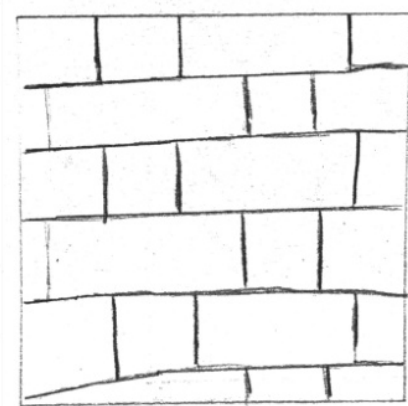
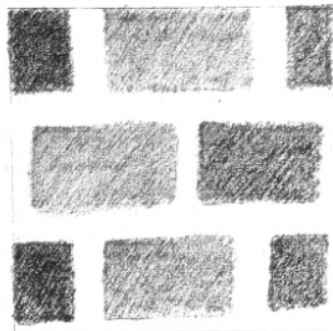


DIAGRAM - WOVEN RUG



SKETCH - BRICK

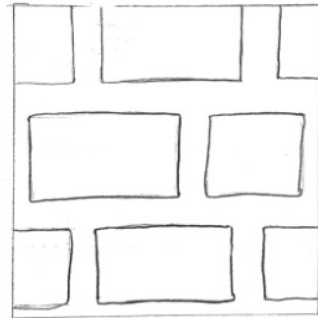
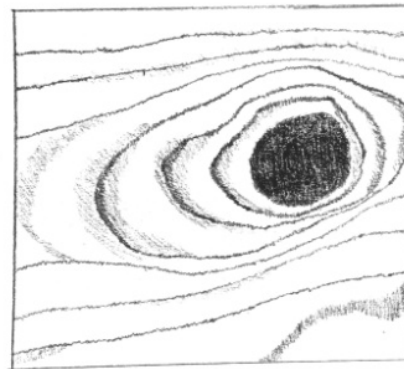


DIAGRAM - BRICK



SKETCH - WOOD

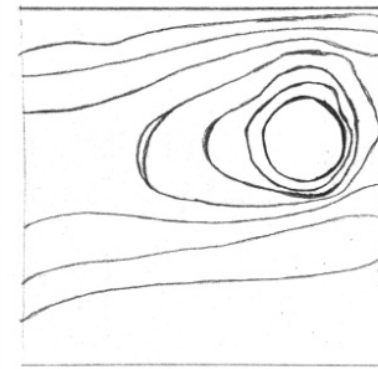
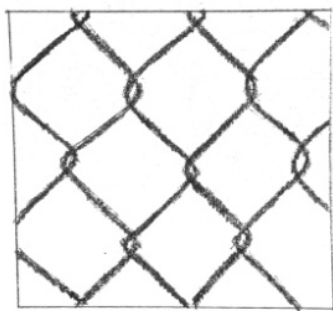


DIAGRAM - WOOD



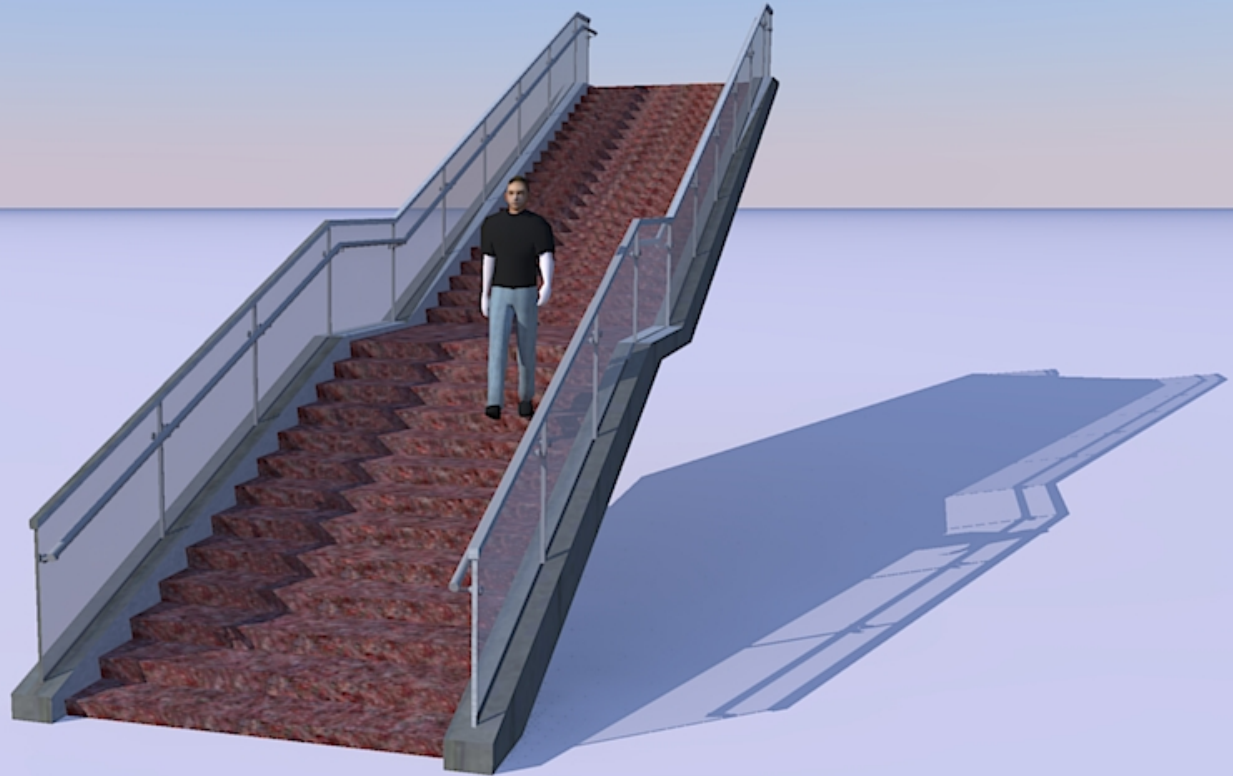
SKETCH - CHAIN LINK



DIAGRAM - CHAIN LINK

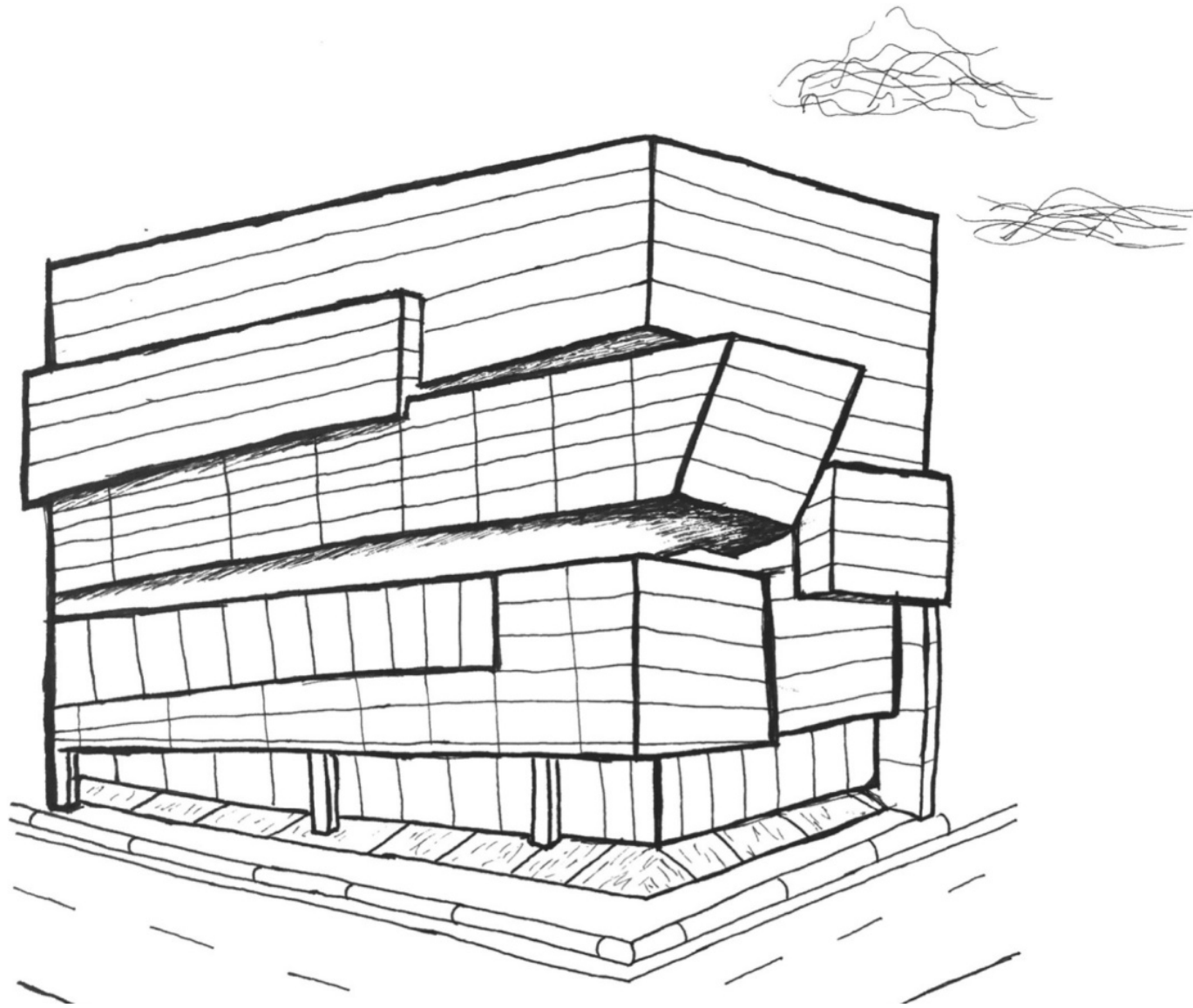
# Texture Sketches and Diagrams

The University Pavilion first floor staircase is a high traffic stair that provides access from the first floor to the second. The first floor of the pavilion contains the help desk for admissions and the second floor is where campus tour groups meet. This stair provides a way for families and visitors to easily access both of these important areas. This portion of the building design contains mostly glass windows, and this stair design continues this look with glass hand rails. The open concept of the building and stairs creates a very welcoming space for future bearcats.



## Stair Rendering





Freehand Perspective