



PART 2A: HOMINAL HALL

DUE: THURSDAY, MARCH 02

BACKGROUND:

Borrowing techniques from assignment one, assignment two explores the concepts of volume and occupation. While architecture can be defined through specific surfaces, made up of underlying patterns, it requires an assembly of thickened masses, made of numerous elements to generate space. The surface of architecture is the outmost face, that is most immediate to our occupation; behind that face lies the structure and systems that allow for the volume of architecture to exist.

SKILLSETS + TOOLSETS:

Rhino3D – Rhino Render, VRay, Adobe Illustrator

SKILLS LEARNED:

Rhino – volumetric modeling, Boolean operations, daylight simulation, clipping plane, section, split VRay: sun systems, render output, camera settings, indirect illumination systems, VFB channels

Adobe Illustrator – composite drawings, dotted linework, live paint, linked resources

EXERCISE:

In exercise 2A, we will focus on the creation of a single Internal chamber in which your bijou could be housed. In this exercise, you will conceive and design a space that examines how your bijou is situated, how it is viewed, interacted with, and experienced. To achieve this, you will need to think spatially, through volume, entry, aperture, material, etc. **The chamber and any appendages should be no larger 18' x 18' x 24'**. The chamber should be considered a single room within a larger volume of 48' x 48' x 24' which will be developed in the semesters next two exercises.

The space should have distinct characteristics and explore temporal opportunities through the course of the course of a day. The volume should extend, in some instances, through the boundary of the mass to become passageway to the bijou or an aperture for daylighting and views to and through your spaces. The volume must be situated in a way that creates a procession in and through the mass, on the way to, and from, the bijou.

To facilitate your design ideas, everyone will need to develop a narrative that explains the procession through these spaces, their qualities, effects, and purpose.

Elements from this exercise should be influential in how you imagine, design, and develop the semesters next two exercises but should not be directly inserted as is into exercise 2C.

STEPS:

+ Consider the ways a visitor would approach and view the bijou you have designed.

+ Prepare a written narrative vividly describing the procession, arrival, and experience of walking to and viewing, or interacting, with the bijou.

ARCH 1012: VISUAL LITERACY FOR ARCHITECTS II

Instructors: Taryn Mudge, Andrew John Wit, Ann Dinh, Peter Griffin

SPRING 2023

- + Describe the experience using adjectives and adverbs so that someone other than yourself can understand the spaces you are envisioning. What is the light like? Is the space quiet or loud, cool or warm, welcoming or foreboding?
- + Prepare a series of sketches, in plan, section, and perspective, that help explain these spaces.
- + The floors, walls, ceilings and roofs do not need to be flat orthogonal voids, but can taper, fold and pleat.
- + Watch the tutorial videos provided to begin making some prototype volumes for your first space.
- + Be sure to work at full-scale in Rhino3d. An eight-foot opening should be modeled at exactly eight feet.
- + All Boolean operations must result in a planar geometry; no curves or ruled surfaces are permitted.
- + These operations should also provide daylight into the mass and create a space to display the jewel.
- + Place the jewel into the room meant for viewing and displaying it.
- + Use the clipping plan tool to determine a plan cut and two sections that explain the space.
- + Make copies of your model and use vertical and horizontal planes to Boolean split the volume for each section.
- + Use the techniques explained in the video tutorial, to generate line drawings for the plan and two sections.
- + Export these drawings to illustrator.
- + Adjust the line weights and poche.
- + Add scale figures.

DELIVERABLES + SUBMISSION FORMAT:

- + A written, vivid narrative description of your procession (250 word minimum) with sketches of each of the three rooms you will design. Be detailed.
- + (1) $\frac{1}{4}$ " = 1'-0" plan and (1) $\frac{1}{4}$ " = 1'-0" section of your first room with the bijou in place and a scale person.
- + A axon drawing of your space at $\frac{1}{4}$ " = 1'-0" scale
- + 5 images (views) of the digital sketch model
- + Prior to the presentation on March 02, submit a single 8.5" x 11" Portrait PDF file with individual 3 pages digitally to your section's OneDrive folder. Please use the nomenclature "**P01b_lastname_first initial.PDF**" for the file name. If, for example, your name is "Bob Smith" you will save your work using the nomenclature "**P01b_Smith_B.PDF**."
- + Following the review, you can make edits and submit a revised file if you choose to. All revised files are due by 5:00pm Sunday, March 05. Late work will not be accepted. These files should update errors or suggestions mentioned during the pinup and use the nomenclature "**P01b_lastname_first initial_V2.PDF**"