HYBRID DRAWINGS
ex4.2: Primordial Pavilion

Exercise 4.2 directly extends the efforts put forth during the production of the projective models in Exercise 4.1. This final design assignment entails a synthesis of the primary concepts embedded in the first three exercises: tectonic and stereometric space-making, figure-ground and figural form compositions, and precedent analyses. Primordial means basic and fundamental (especially of a state or quality). A pavilion is often times a free-standing structure sited a short distance from a main residence, an object of pleasure.

4.2

Exercise 4.1 Review (10/29, 1:00pm-3:00pm - Slocum Hall)
Exercise 4.2 Introduction (10/30, 3:00pm-3:30pm - Auditorium)
Digital Modeling Demonstrations (10/30, 3:45pm - 4:45pm - Studio)
Table 1: Tectonic Modeling in Rhino
Table 2: Stereometric Modeling in Rhino

Due: Submission of printed drawings and physical models must be completed by midnight, the night before your final review - either 11/16, 11/18, or 11/19 for reviews on 11/17, 11/19, or 11/20.

Why: Work as an individual.

Procedures: For the final exercise you will advance your projective studies, generating one final artifact that exemplifies the formal, spatial, and organizational strategies found in your case-study house, via your current set of analytical investigations from Ex 3, and further developed through projective models and drawings in EX 4.1.

Each artifact will operate roughly at the scale of the original case studies – all houses. You are to design a pavilion within a 90' x 60' plot that is one story tall and be no taller than 20' at its maximum height. The lowest point of the house may not exceed 4' below ground level – this is to say that you may carve into the ground plane minimally. You may assign characteristics such as a preferred “entry” side or multiple points of entry. Although the pavilion will be without assigned program you must consider size and scale. Your pavilion is to create an intentional hierarchy of spaces; no fewer than six and no more than sixteen. Note that spaces may be joined to one another, nestled within, connected by a common space, interlocking, etc. Be ready to identify which characteristics are at play in your primordial pavilion.

Consider now spaces can be conceived of both tectonically and stereometrically – you may/have used both strategies during the development of this design. To this end, the pavilion will be a hybrid, and may privilege one strategy over the other.

Deliverables: (1) plan drawing at 3/16’ = 1”, (2) physical model at 3/16’ = 1”, and (1) hybrid axonometric at 1/8’ = 1”.

Exercise 4.2 Pinup & Discussion (Varies: 1:00pm - 5:00pm - Slocum Hall)
11/17: Miller; 11/19: Alaimo, Pellicarco and Shanks;
11/20: Corso and Munly

ARC 107 Final Exhibition (12/5, 1:00pm - 5:00pm - Slocum Hall)
Procedures: For the final exercise you will advance your projective studies, generating one final artifact that exemplifies the formal, spatial, and organizational strategies found in your case-study house, via your current set of analytical investigations from EX 3, and further developed through projective models and drawings in EX 4.1.

Each artifact will operate roughly at the scale of the original set of case studies – all houses. You are to design a pavilion within a 90’x 60’ plot that is one story tall and be no taller than 20’ at its maximum height. The lowest point of the house may not exceed an 1’-0” below ground level – this is to say that you may carve into the ground plane minimally. You may assign characteristics such as a preferred entry side or multiple points of entry. Although the pavilion will be without assigned program you must consider size and scale. Your pavilion is to create an intentional hierarchy of spaces: no fewer than six and no more than sixteen. Note that spaces may be adjacent to one another, nested within, connected by a common space, interlocking, etc. Be ready to identify which characteristics are at play in your primordial pavilion.

Consider how spaces can be conceived of both tectonically and stereometrically – you may choose to use both strategies during the development of this design. To this end, the pavilion will be a hybrid, but may privilege one strategy over the other.

Deliverables: (1) plan drawing at 3/16” = 1'-0”, (1) physical model at 3/16” = 1'-0”, and (1) hybrid axonometric at 1/8” = 1'-0”.

Exercise 4.2 Pinup & Discussion (Varies 1:00pm-5:00pm - Slocom)
11/17: Miller, 11/19 Alam, Pellicano and Shanks;
11/20: Corio and Munly

ARC 107 Final Exhibition (12/6, 1:00pm-5:00pm - Slocom)
Diller Scofidio Renfro - Broad Museum - 2014
Atelier Bow Wow - Japan Architect Magazine - 1995
Peter Eisenman - House VI - 1972
Peter Eisenman - House VI - 1972
Mies van der Rohe - Barcelona Pavilion - 1929
Bernard Tschumi - The Manhattan Transcripts - 1976

Bernard Tschumi