

Architecture Studio: 1st Year Spring

Spring 2013, CMU, Arch #48-105, M/W/F 1:30-4:20
Class Website: www.andrew.cmu.edu/course/48-105

Coordinator: Kai Gutschow
Email: gutschow@andrew.cmu.edu
Off. Hr: M/W/F 12:30-1:00pm & by appt. in MM302

(3/18/13)

Project 3: PITTSBURGH ROW HOUSE - Research

ASSIGNMENT 3c: IN-OUT TRANSITIONS - Due Mon. Mar. 25, 1:30
Prepare by reading the following articles about transitions from inside to outside, about row houses, and about windows, doors, openings (all are avail. on studio website, under author's last name):

- 1) *Aalto*, "From Doorstep to Living Room," excerpt in *Alvar Aalto in his Own Words* (1998) pp.49-55;
- 2) *Gorlin*, "Introduction" and "Advice from an Architect," in *Creating the New American Townhouse* (2005) pp.6-15;
- 3) *Reichel*, et al, "Introduction," to *Open - Close: Windows, Doors, Gates, Loggias, Filters* (2010), pp.8-33.

Then create a series of at least 20 small, similar-sized *sectional sketches*, drawings, or diagrams that propose a broad variety of transitions and experiences between inside & outside, in the front and in the back, of your specific row house site. See this as the beginning of your design process.

- The series of sections should form a *catalogue* or inventory of possible or alternate architectural moves: explore broadly, create a range of experiences, both bold and subtle, from familiar to unconventional but efficient, to extravagant, be inventive.
- Outline a series of *experiences* that moves the user gradually from urban and landscape features outside, to architectural spaces and elements deep inside your row house. Hint: in the next phase we will stitch a selection of these experiences together to choreograph an "architectural promenade."
- Create multiple *layers* of implied and defined space in each section. There should be zones on either side of a precise line separating interior conditioned space, and the exterior. The layers/zones can overlap or be separate. They can be vertical or horizontal.
- Create these layers in different ways: roof overhangs; floor level changes; multi-story spaces; lowered or raised ceilings; wide thresholds; spaces within spaces; ramps; spaces with two functions; etc.
- Use distinct architectural elements (walls, windows, closets, etc), each cast in a specific *material*, with a precise *thickness*, and its own "porosity": e.g. a thick brick wall you can inhabit, or a solid concrete wall; a deep wood window bench, or a thin aluminum door; thick rippled glass or translucent fabric; heavy blocks, thin sticks, perforated planes, etc.
- Create drawings at different *scales*: from neighborhood & site sections (think about sunshine and distant views), to the human scale of a person walking in; to wall sections or window details with nuts-and-bolts construction details to engage the seven senses.
- Explore different degrees of *privacy* both indoors and outdoors, from the public street to the semi-private porch, from the public entry foyer to the private courtyard, from the open bedroom loft to the secret garden.
- How can you create or reveal the *atmosphere* of these spaces through design (rather than a label on your diagram or drawing)?
- Use a variety of *drawing types* and styles to communicate sectional experiences (section, axo, exploded, perspective, diagram...)
- Use different *media*, both analogue and digital, 2D and 3D
- Add *scale figures*, furniture, and vegetation
- Add *shading* or other *texture/color* to indicate the sensual and perceptual quality of the spaces and experiences.
- Format all work on 11x17 "portrait"-oriented pages with the sectional drawings arranged in a grid. Add your name.
- Submit to archpcserver folder "07 Proj3 In Out Drawings":
- Filename: lastname_inoutdiagrams.pdf

