

Architecture Studio: 1st Year Spring

Spring 2012, CMU, Arch #48-105, M/W/F 1:30-4:20

Class Website: www.andrew.cmu.edu/course/48-105

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Off. Hr: M/W/F 12:30-1:00pm & by appt. in MM302

(3/3/12)

Project 3: BUILDING SPACE

Assignment 3b (Due Mon. Mar. 5, 1:30pm)

- Do MORE research on topics such as:
 - Program/Use analysis & speculation
 - Building Type study & analysis (loft, shotgun, etc.)
 - Building Elements study & analysis (screens, columns, baths, etc.)
 - Site & Context analysis (Chicago)
 - Historical analysis (Chicago school)
 - Aesthetics - Formal, Geometry, Proportions, etc.
 - Phenomenology - Experience, Perception, "7 Senses"
 - Ontology - Essence, Idea
 - Semiology - Meaning, Symbolism, References
 - Building Performance: Light, Acoustics, Heat...
 - Construction, Materials & Product Research
 - Structural analysis & speculation

Iterate on the following (circular) design process:

- 1) Understand the project; distill the problems
- 2) Collect Information, Research, Precedents
- 3) Brainstorm, Analyze Ideas, derive inspirations
- 4) Develop Solutions, Draw ideas, Build Models, Prototypes
- 5) Present Ideas and Get Feedback
- 6) Develop & Improve, add detail and rigor
- 7) Fabrication / Construction Process

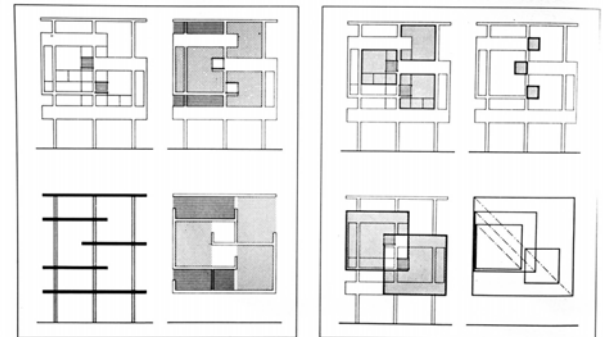
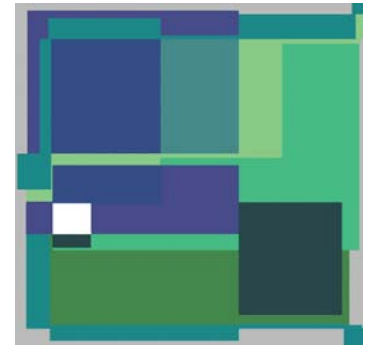
Focus special attention on:

- Transparency: work to create both horizontal and vertical "transparency" as a way to open up, structure, and articulate the space of your loft. Re-read "Transparency" by Colin Rowe & Robert Slutzky (on Blackboard)
- Sticks - Stacks - Planes: as the general layout of your loft becomes clear, work to articulate important elements through the sticks, stacks or planes
- Getting light in through ceiling: skylights, clerestory, courtyard, etc.
- Open up space: avoid "rooms", create overlapping spaces
- Poche: distinguish between served & servant spaces (primary open spaces vs. grouped minor spaces); avoid cutting "chunks" out of open spaces

Prepare pencil-on-vellum plans of the following:

- Primary Floor Plan, 1/4"=1'-0"
- At least two sections (cross section & long section) 1/4"=1'-0"
- 3D paraline: bird's eye with ceiling and one wall removed, OR worm's eye with floor and one wall removed
- Sectional Model at 1/2"=1'-0", of a significant moment or building element in your loft, must be full width and height, and a min. 8ft long section. Be sure all wall thicknesses and column widths are to scale (accurate).

Scan all drawings, with filename *lastname_loftrevd.pdf*, and upload to archpcserver.



Façade avant : la disposition en chaisne.

