

Project 1 Bike Shed
Studio Assignments (page 1 of 3)

1. For Studio Wed 26 Jan:

Ideas - Initial Sketch Models

- create 2 (minimum) sketch models at 1/8", expressing your idea and relationship to the site (these models should fit into 1/8' site model).

Program - Relationship of program spaces

- determine the configuration of specific program elements and how much space it should take to accommodate these elements.
- create space plan diagrams in the abstract, in other words, interpret these relationships apart from the specific formal qualities of your project.

Development of Sketch Models - Integration of pragmatic exercise into scheme

- with an understanding of what your project is about, inject the information derived from the program study above and use it to modify your project.
- create 2 (min) sketch models, one at 1/8" and one at a larger scale.

2. For Studio Friday 28 Jan:

Site Model

1/8" site model to be 100% complete, including:

- plug cut out of site at property lines
- trees, fence, train, bus, site bling (graffiti)

Sketch models at 1/8"

new sketch model(s) to be built on your site plug to drop into model

- determine specific location and orientation of your building on the site
- focus on relationship of building to site

Model at larger scale

determine the big bang (your main idea)

- how will materials support this idea (perceptual typologies)
- focus on relationships of spaces, form, materials

Program

complete assignment due wed 26 jan

- if you did not do the space plan diagram, do it now
- integrate spatial info into project

3. For Studio Monday 31 Jan:

Materials - relationship of form, space and material

1. Determine the basic quality or nature of your attitude towards your material(s).
2. Create a diagram, axonometric and/or sectional sketches
AND sketch model(s) of your project expressing relationship between your form and material.
 - (a) Principle of construction system (as per in studio pp presentation), i.e.:
 - Grid / Post and Beam
structure independent of skin; uniformity of system
(Mies, Villa Savoye)
 - Mass
singularity of structure and surface
(Ronchamp, La Tourette-hybrid of grid and mass)
 - Net
integration of structure and skin;
(Gehry Bilbao)
 - Frame
layered and/or tensile system; hybrid of net and grid
(Coop Himmelblau, Sydney Opera House)
 - Longspan
(Dulles, Vinoly Convention Center-hybrid of longspan and suspension)
 - (b) Focus on the following aspects:
 - Relationship of geometry of your form to material
 - Relationship of structural system to material
 - Relationship of building surfaces or skins to each other
 - Hierarchy of structure and surface

4. For Studio Fri 04 Feb:

Site - Relationship of your building to the site

- determine the specific location and orientation of your building on the site.
- prepare site information necessary to construct your area of the site, including, but not limited to
 - verification of precise topographical conditions
 - verification of permanent conditions (i.e. tree heights, views of and from building)
 - verification of temporal conditions (i.e. solar, wind, seasonal tree canopy)
- build 1/2" model of your site

Project Model

- build 1/2" detailed model of your project that engages your new site model
- 1/2" model should clearly express the materials, and the relationship of form, space, material relationship of geometry, structural system, building surfaces and hierarchy of structure to surface, as per our discussion/powerpoint presentation in studio (also refer to assignment for mon 31 jan)

Photomontages of project in site context photo

- demonstrating how your building and its materials operate from the Ellsworth and East Liberty view