

Architecture Studio: 2nd Year Fall

Fall 2012, CMU, Arch #48-200, M/W/F 1:30-4:20

Class Website: www.andrew.cmu.edu/course/48-200

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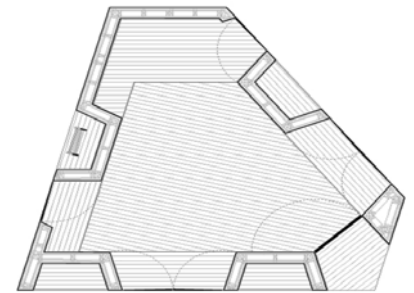
Off. Hr: W/F 12:00-1:00pm & by appt. in MM302

(9/14/12)

PROJECT 2 – FEAST SHELTER

ASSIGNMENT 2B: (Due Mon. Sept. 17, 1:30)

- Divide each studio into two teams (same as feast shelter teams) and work collaboratively on this team-building exercise to explore 2x4 studs
- In studio on Friday, spend an hour configuring/stacking fifty 2x4 studs (8ft) to create two different self-structured volumes using only 2x4s, a ground plane, gravity, friction, and the human body to experience it
- The individual 2x4s cannot be altered in any way. They cannot be cut, drilled, glued, painted, clamped, or nailed.
- The two designs should be remarkably different, given the simplicity and similarity of the materials used in each. Consider exploring opposites of one of the following terms: mirror, lap, overlap, weave, extend, proportion, orthogonal, repetition, linear, grid, rhythm, datum, open, closed, interlocking, hierarchy, layering, interlock, rotate, align.
- Continue the exploration over the weekend. Use photos and freehand drawings (plans, sections, elevations, and three dimensional drawings) and scale study models to explore and record a whole series of ideas.
- Choose what you consider to be your two best and final designs and draft a plan, section, elevation, and axo of each.
- Each student is to document the results on a 2nd year 11x17 template
- Upload to server. `\\archpcserver\Studios\F12_48_200`, using the filename: `48200_F12_lastname_stack2x4.pdf`
- Upload all process work and photos to Flickr
- Be ready to reconstruct either of your designs in studio



ASSIGNMENT 2C: (Due Mon. Sept. 17, 1:30)

- Create 1/2"=1'-0" scale or larger "stick models" of your group's feast shelter designs. Make a separate model for each design idea being proposed. Retain and bring to class all sketches and study models for "discarded" group themes. Save this process work, upload to Flickr!
- Consider as part of your design process how YOU will build the shelter in the materials provided. Be realistic.
- Show every structural member of your shelter's framing.
- Use accurate-scale wood members. Use basswood or other micro-cut lumber such as pine for the overall models. If they run out at the CMU Art Store, you will need to go further afield to buy it: Top Notch on Craig, Utrecht on Carson (Southside), or A.B. Charles on Banksville (South Hills). Consider also "making your own" mini-2x4s using the saws and planers in the shop... No balsa!!! Avoid hot glue.
- Focus especially on the JOINERY. Devise strategies for joining the individual members, especially at non-orthogonal angles. Understand how the pieces need to be cut and screwed together. Consider making larger-scale (or FULL-scale) models of individual joints!
- Invent a name or title for each design you create: give each design an identity, know WHY they look the way they do!



ONGOING:

- Start your group design work on your feast shelter in earnest; set up decision-making processes.
- Get together with other groups to discuss connections between shelters, and to discuss the idea of "table as datum"
- Be sure to include ideas about (easy) access to the table
- Be sure to consider issues of cost and complexity: construction is complicated and time-intensive. Don't design something you can't build efficiently and effectively, and be done by the deadline!

