

Deliverables/3

Pin-up: January 12/13

Your work will be evaluated in relation to 2 objectives:

- Typology: how does a regular residential building transform when integrated to a food/energy/waste component? Think of the traditional windmill: in how many ways does the building structure, shape, and layout transform as a result of its new performance? Make the FEWs as visible and emblematic as possible- don't hide them! First and foremost, your building is an instrument: a channel to collect water, a surface to gather solar energy, a container to store produce or crops, etc.
- Integration: the building does not exist in isolation – it's a transformation of the field: a fold in the contour lines, a trench in the ground, a step in the slope, an interference in the visual field, an obstacle to surface runoff, a barrier to sound; do not show the building alone – ever! Your drawings must always include the building PLUS a relevant portion of the field that relates to it.

Deliverables:

- Site plan and sections (with roof plan of building): 100x100 plot at 1/200 scale (line drawing + shades, color, texture, shadows) - pay attention to natural feature and represent FEWs well;
- Typical building plans and sections: 1/100 scale (1/50 for small building), including area surrounding the building; pay attention to graphic standards: line weight, hatch, projection (elevation) lines etc.
- Enlarged Building section: main building section at 1/50 scale (1/20 for small building), including details and furniture;
- 3D Diagrams and illustrations: exploded axonometric, bird-eye views, performance diagrams – air ventilation, daylight and solar radiation, food production cycle, energy system diagrams, water cycle, etc.
- 3D digital models: digital model of field and building, for use in 2D drawings and diagrams;
- 3D physical models: study models of building at 1/100 scale (individual tiles may combine into a complete 100x100 model)

All work included above is individual.

Format

The next 4 weeks should be a time for intense experimentation, so find ways to test your design solutions in an efficient and effective way: use hand sketches to clarify your thoughts, and large study models to evaluate form and space. It's a messy, creative moment, so do not worry too much about presentation drawings: you will have the final 2 weeks to finalize your boards. Bring large-scale prints of your drawings- no layout required:

Assessment/Grade: 10% of final grade