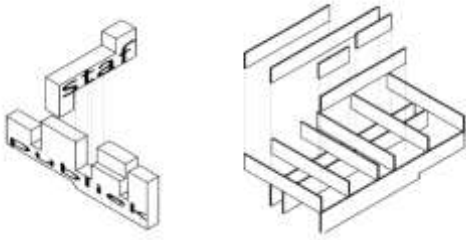


Assignment 6: STRUCTURE & CIRCULATION

2ND MIDTERM: Wed 11/11 at 1pm, 279 LA



Office Building, Steenwijk, Dirk Van Gameren's Revisions of Space

Bring together the bottom-up modular study and the top-down massing by designing a support system and a movement system in harmony with your vision. Bringing the vision to life requires at least two models:

- a detailed model showing how an iconic public space relates to the typical unit
- an urban model to show big-picture connections

1. Zoom in

Start by focusing on a neighborhood gathering space that epitomizes your idea.

- How can paths, unit entries, benches, porches, etc. be arranged to encourage interaction?
- How can the view from afar and on arrival provide orientation?
- How can structural form, natural light, air and greenery enhance the space?

Sketch ideas for this space, conjecturing alternative structures, stairs, escalators, greenery, etc.

2. Build up

Find strong examples to see how corridors, elevators, escalators, ramps, stairs and other people movers can provide convenience and visual interest.

- Diagram an example circulation system** in plan and section that shows how the public space or spaces connect to the typical modular units (i.e. housing, offices, shops).
- Diagram your own responsive circulation** showing the Beginning, Growth and Response states.
- Develop this into a **typical plan and section drawings** emphasizing the circulation elements, leaving the modules blank for now. On the plan, mark **shear walls and vertical structure**. 1/16" or 1:200

3. Zoom out

Considering the neighborhood chunks, can you knit together the big picture with a larger superstructure idea?

- At the urban scale, **diagram the major vehicular and pedestrian access** to each building mass, showing how the circulation supports the social program and how parts relate to the whole.
- Develop or revise your **digital urban massing model** so that it includes major structure and circulation, and responds to your understanding of the environmental analysis. (i.e. translucent jello with floor plates, vertical cores and escalators)
- Use the model to create **urban renderings** and **revised Sun, Wind and Water analysis images**.

4. Communicate

Create a Evolo competition submission: Printed for Wed's midterm and uploaded for Friday as a passworded post to the blog (for remote feedback).

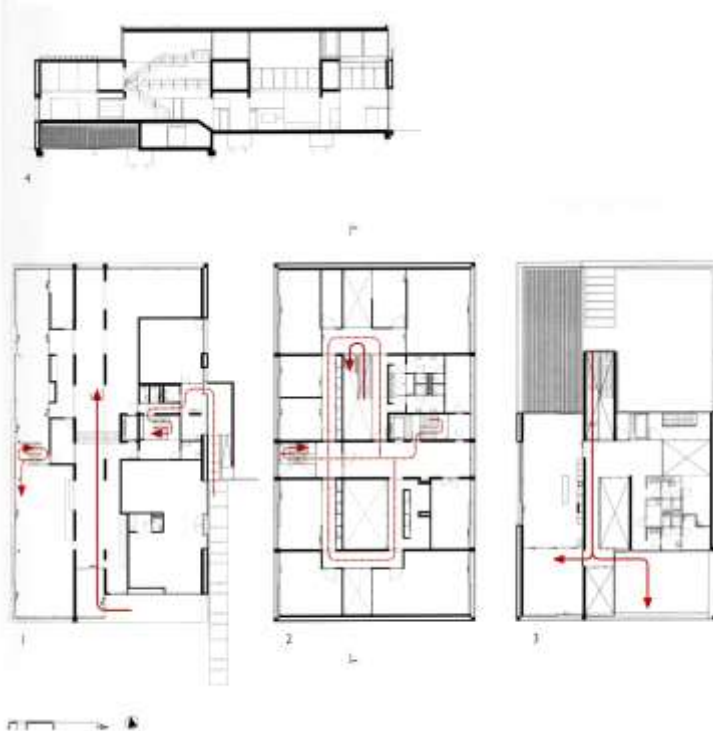
- a) A project statement (maximum 600 words): 8.5 x 11" legible from 6 feet away.
- b) Two boards 24"(h) X 48"(w) in HORIZONTAL format with all the information necessary to explain the proposal including plans, sections, and perspectives.

REFERENCES

- Ilka and Andreas Ruby, Groundscapes, Introduction, pp. 9-31 (on the Course Disk): *Describes how innovative modern architects have incorporated topography, ramps and landscape to enliven buildings. Provides historic lens through the most groundbreaking examples.*

- Council for Tall Buildings and Urban Habitats, <http://www.ctbuh.org> : *Treasury of skyscraper design data and guidelines. Includes multiple disciplines*

- Yeang, Ken, *The Skyscraper Bioclimatically Considered*, Wiley Academic, 2006. NA2542.35 .Y4295 2006



Circulation Diagrams, Office Building Steenwijk, Dirk Van Gameren's Revisions of Space