

Architectures of Knowledge Production

Task 2 / Part 1 Structural Analysis

Hand Out

Wednesday 16/10/19 — 17h00, A701

● Presentation

Friday 7/11/19 — from 10h00, A701

Assignment:

In Groups of three, take the set of your three reference buildings and analyse them in terms of Oswald Mathias Ungers classification of structure.

Output:

Produce all the necessary floorplans to clearly understand the inside and outside structure of your references.

● Layout them on one or more A2 Poster 420 × 594 mm portrait orientation, including:
- Floorplans of all floors in scale: 1/500 with hatches to distinguish between different structural areas

On a separate A4 sheet:

- Small Text to explain your structural analysis (300 Words)

Oswald Mathias Ungers was one of the most influential German architects and theorists. His teaching on structural analysis at the TU Berlin is well documented and was a new insight on typological distinction between building types. In his lectures, OMU would analyse together with his students different building types. After Durand's classification, he would only use museum types, but clearly show their structural differences in infrastructure, orientation and organisation. OMU was showing an evolution from very simple types, which are easy to understand and move on to more complex and complicated relations between rooms inside and outside. He would not differentiate between building time, architect or certain style.

Analyse your reference projects under the structural aspects of OMU and visualize them in the same scale of 1/500. Find coherencies and differences throughout your building and the projects itself. Detect all the different room types in your project and distinguish between them graphically. Use hatches to highlight certain areas in your floorplan.

Layout the floorplans of your reference projects oriented to north and all of them in the scale of 1/500. If the building size exceeds the paper size, show exemplary areas of the floorplan.

Use only Black and white for your floorplans. Draw walls with a black hatch and windows as a simple line. Use different backgrounds to distinguish between different areas.



Rooms / Areas of Knowledge Production: White Background (Paper)



Other rooms e.g. administration: black and white 45° line hatch



Use the layout reference provided by the chair.