



COMPLEX DESIGN II. – BUILDING CONSTRUCTIONS SUBTASK

The purpose of the building constructions subtask is to continue the design begun in the previous semester that was detailed as a building permit plan and to reach the level of the construction work plan in terms of building constructions according to the followings:

CONTENT OF THE BUILDING CONSTRUCTION DOCUMENTATION OF COMPLEX 2

1. Description part of the work

- The detailed technical description of the planned building adequate to the table of contents of the construction workplan, the documentation of the performance based design process;
- according to the function of the building previously discussed with the consultant the minimum of a text analysis shall be made or in some cases preparation of supporting calculations from the list below (one shall be picked): energetics (calculations of a compound exterior space limiting structure, the verification of conformity), vapour or moisture management, acoustics, fire safety (eg. risk units, fire compartments, fire safety parameters of load bearing structures or evacuation calculations etc.);
- a complex layering detailed technical specifications shall be made, it has to contain the layering with the given material's technical requirements and characteristics, together with a specific product name

2. Plans

Basically the architectural plans shall be developed based on the requirements of the Department of Complex I. but the minimum shall be 1 pc of a floor plan (or in case of a larger floor plan the consultant shall outline a detail of the floor plan) and 2 pc of sections is required together with 1 pc of a facade shall be prepared according to the details of a constructional work plan (eg. depiction of structures, dimensioning, subtitling) it shall be prepared in the scale of M=1:50 in case the other plans are not detailed like that.

Layerings – all the different layering shall be detailed that are important when it comes to understanding the structures.

Building construction plans – 1 sub-section and a detail of a facade view shall be made that determines the architectural character the most (showing all the structures from the roof to the foundation pointed by the consultant) it shall be prepared in the scale of 1:25, and 10 detail drawings shall be prepared along the thermal envelope in the scale of M=1:5 (both horizontal and vertical details shall be presented).

Required format: The building construction documentation has to be submitted on A/3 sheets stapled or merged together and has to be turned in until the deadline that was stated in the given format.

27. February, 2023. Budapest