



Complex Design II Task Description MSc Academic Course

For the approved "Complex design I" program plan designate the full development of the plumbing and/or electrical components in agreement with the consultants on a construction plan level.

Preparation of the selected systems with the following parts:

1. According to the complex design subject 1, the 2nd point calculations actualization and correction of errors.
2. indicate on the architectural plans the place needs, breakthroughs and mark major fixtures.
3. The project representation on separate pages (cover sheet). The tutor can choose the following task sections:

3.1. Central heating system

Central heating pipe network representation in 1:50 scale on the floor plan, specifying the dimensional data (room heat loss, radiators, wall, ceiling or underfloor heating, heat is dissipated and the type of pipe material), representation of the heating system in a simplified diagram.

3.2. Ventilation System

Ventilation system and ventilation machine room, duct networks, supply-exhaust systems representation in 1:50 scale on floor plan and sections, indicating the dimensional data (supply and exhaust air, ventilation number of spaces, supply and exhaust diffusers size and type of connections to the building; duct system size).

3.3. Water supply and sanitation

Water supply and sewerage pipeline network presentation in 1:50 scale on the floor plan, the sized data, the fittings and indication of fixtures and necessary safety devices (cleaning profiles, ventilating ducts, air intake) depiction of utilities site plan around the building, cleaning indication of connection to the utility channel.

3.4. Building electrical sub-tasks

Depending on the nature of the task plan the consultant decides which involved tasks (A or B) will be developed.

"A" task: building a simplified sub-advisor appointed by the artificial lighting

Planning for a way

or

Type "B" tasks: residential building or special functions (eg, hotel, exhibition hall, museum,)

Development of part of a building consultant appointed by the electricity plan the event.

4. Technical specification (sizing systems, circuit diagram, design).

The weight and extent of the aforesaid tasks are determined by the supervisor. The fulfillment of the tasks are confirmed by the supervisors signature on the draft plan and a semester plan level.