Task 1: Choose site and set up a central file

In groups of 2 or 3, choose one of the three sites in Lund that are listed in the Course pdf. Import the dwg drawing of your site (dwg files are provided in the Course folder on the school server).

Set up a Central File using the Collaborate function in Revit so the whole group work together in one file (the Collaborate function is explained in class as well as in one of the tutorial PDFs).

Divide the site into two or three “slices” (depending on the number of group members) so that every group member gets one part of the site to work with.

Task 2: Design a house for your client

Individually, choose one of the three clients from the course PDF. Each group member should choose a different client. Working individually, use Revit to model a building that fulfills the client’s requirements. The building should have several floors and contain elements such as slabs, stairs, doors, windows, furniture etc. See “References” section below to get inspiration.

Material to produce (individually)

- 1 Longitudinal section that describes your client’s house well.
- Plans of all floors. You will be responsible for the drawings of your client’s house but all plan drawings will be put together for the review.

Material to produce (group)

- Plan drawings of all important floors in the building.

- 1 Elevation of the building. The elevation should also show the neighbouring houses. Elevation drawings (.tif) of existing buildings are available in the course folder on the school server.

- 1 Exterior visualization. Choose your method: Revit line drawing/Revit Render/Export model to render in Vray for Rhino.

Note: All final work to be handed in as a single PDF file for each group. The work will be projected and reviewed Friday January 25. Please use appropriate PDF settings for line work / drawings to be digitally projected. Renderings should be at a resolution appropriate for projecting.

Task 3: Connect the houses

Each student will design one narrow house. However, the clients ask you and your team to connect the separate houses so that they form one large house together. The clients might need this in the future, they say. You need to answer the following questions:

- How can the houses be connected so that they work well both individually and together? Where should the connecting doors be located?

- How can the facades of the individual houses be designed so the whole building looks good?
SITE 1.
Bantorget, Lund.
(Added buildings will replace the “New Delhi” restaurant.)
SITE 2.
Råbygatan, Lund.
SITE 3.
Magle Lilla Kyrkogata, Lund.
(Added buildings will replace the black painted shed and fence.)
DIVIDING THE SITE (EXAMPLES)

Two students sharing one site.

Three students sharing one site.
CLIENTS

Client A - Simon
Simon owns a classic vintage car from the 1950’s that he wants to park in his house. He also has a big collection of model cars that he wants to exhibit. Therefore he needs a good amount of shelves in the house. Simon also loves sunbathing so he would like to have a roof terrace where he can enjoy the sun in the summer.

Client B - Nena
Nena works as a gallerist and her dream is to have a small gallery in her house that can be visited by the public. Nena’s favorite city is Berlin and she loves the beauty of the raw concrete in buildings like Kunsthaus Tacheles and Sammlung Boros Bunker.

Client C - Michelle
Michelle’s big interest is plants. She cultivates rare and demanding plants that need a large amount of light. Some of the plants also require direct sunlight and fresh rainwater. Michelle owns a 6 meter tall plant from the Amazon rainforest which needs to be planted in the ground. She wants the plant to be inside since she loves the smell of it.

Real estate agent in Tokyo. 0.8 x 10 x 2 m.