

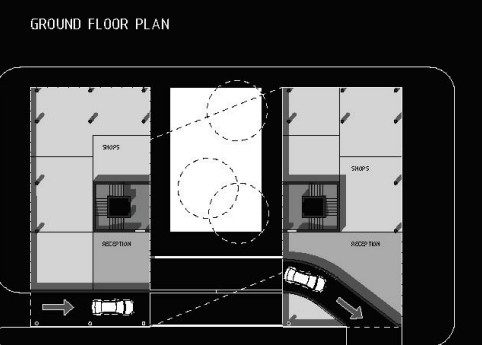
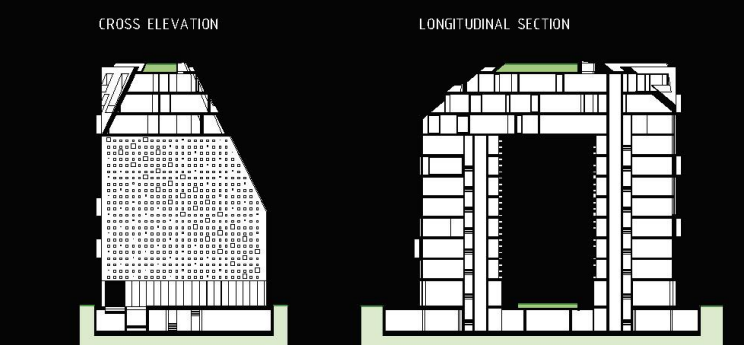
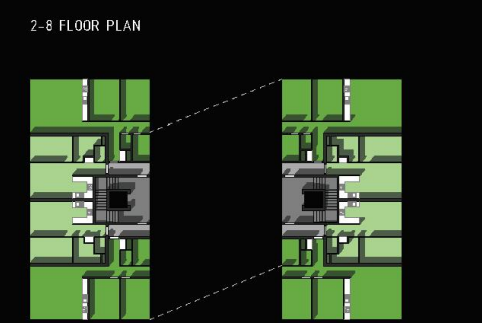
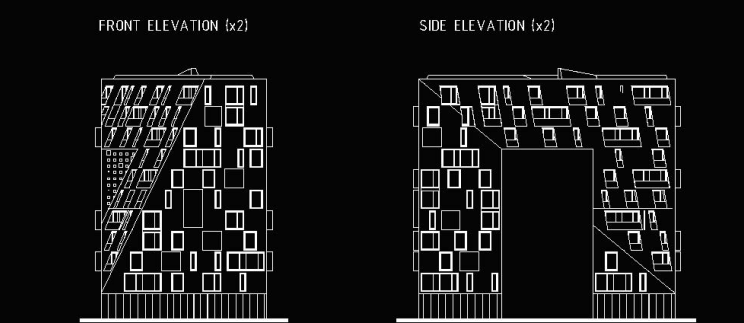
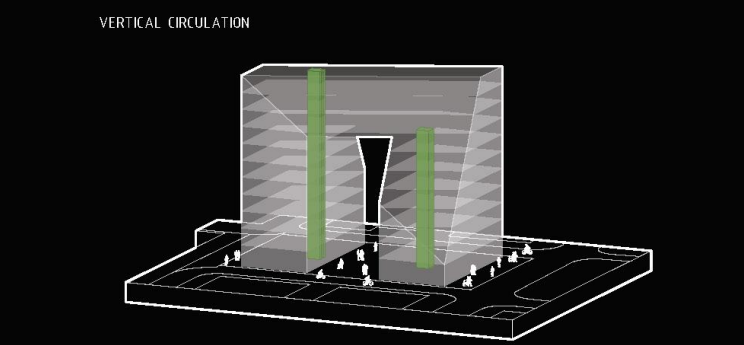
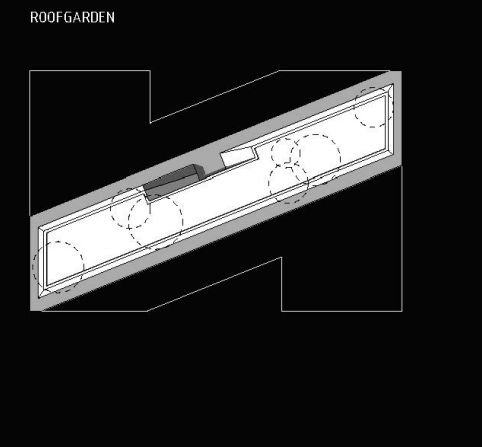
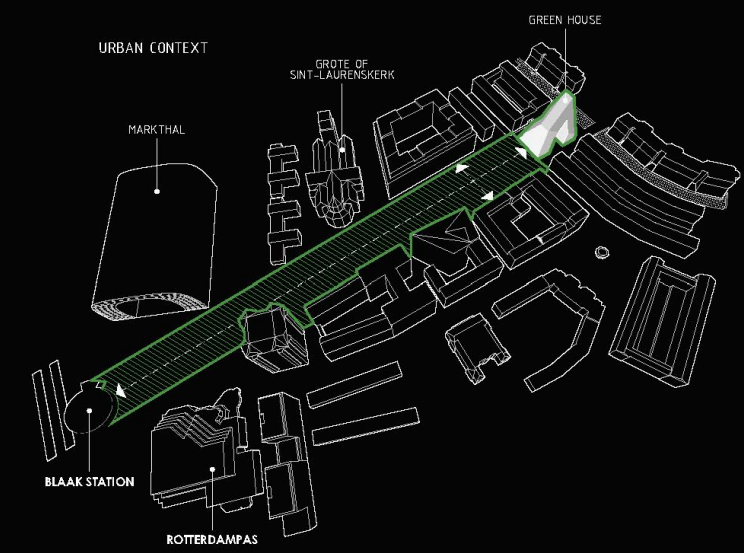
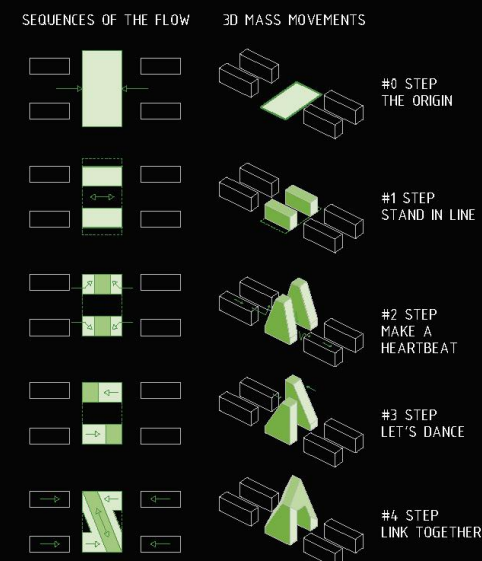
THE CITY
Rotterdam is one of the most important capital of contemporary architecture in Europe. Long row of emblematic buildings were born here, determining the new directions of creative art. Stunning structures were designed here by the most respectable architects and architects' firms. They created during the last few decades revolutionary living spaces, awe-inspiring commercial buildings, iconic houses, state of the art terminal, gigantic skyscraper, ultra modern urban layout, and many more.

THE BINNEHOFFTJE
The Binnehoftje is a lively and characteristic square situated in the centre of Rotterdam between Pongeburg and the Blaak and becomes a hotspot when the city market is held. The square is well connected to its surroundings and a cosmopolitan area featuring hypermodern architecture like the Binnehoftje. The square has been completely rebuilt and renovated for two years with lots of greenery, paving contrast and waterfall. It is also a pleasant place when there is no market.

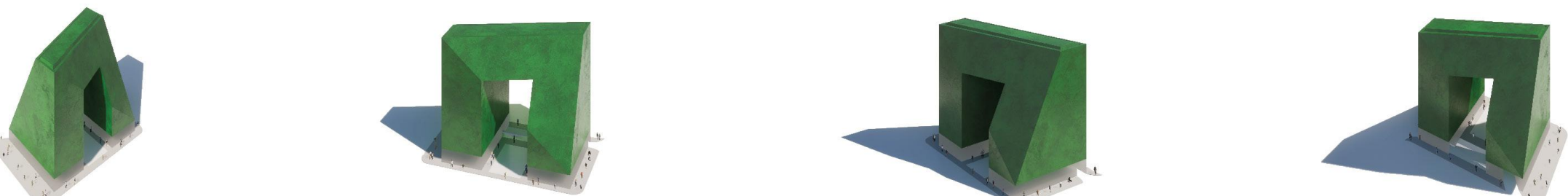
URBAN CONTEXT
The new Green House building will create a new volume of the square. The building will block the urban space from the north, and the square will be visually framed by walls on each side. The topographical axis of the Binnehoftje will have two endpoints: the Blaak Station and the new Green House.

ARCHITECTURAL INSPIRATION
Based on Rotterdam's rich contemporary heritage and the numerous emblematic modern buildings of the close neighbourhood of the design site namely: The Blaak Station, Markthal, Rotterdam Library, The Cube Houses, 'The Parrot' Blaak Tower, The City Building) it was essential for us that the new Green House Condominium has to connect to the building names above.

ARCHITECTURAL CONCEPT
The new Rotterdam Green House Condominium at the Binnehoftje has to be a contemporary architectural sign. The building has to be stunning, attractive and also reflective to the complex urban ambience. We formed a simple, geometric, sculpture-like building mass, which is easily recognizable, but shows interesting views from different angles at the same time. Initially we had a simple regular prism which was formed with energetic cuttings according to the flow or impact of the neighborhood.

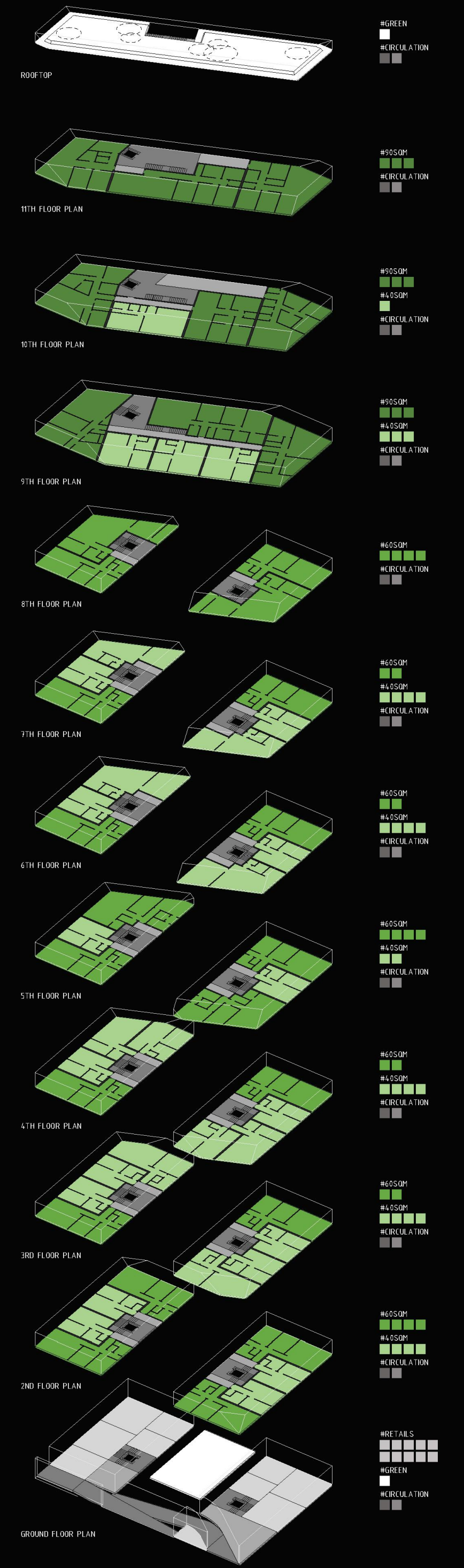


FUNCTIONAL ANALYSIS
The new Green House condominium is a residential building with typically three types of apartments at the 2nd-11th floor. Most of the apartments have balcony, access to the Eastern or Western side. There are two vertical cores with elevators and staircase, in both legs of the building. The northern elevator reach the rooftop, the southern elevator lasts until the 8th floor. There are two spacious reception halls, both directly connecting to the vertical circulation cores at the ground floor level. The shop units can be rented in various size at the ground floor. Each shops have direct link to the street and have proper display surface. Outdoor garden area at the entrance level located between the building legs ensure pleasant environment for also the residents and the customers. There is a lush roof garden at the top floor exclusively reserved for the residents of the condominium. Spectacular view and full panorama towards the city is provided from the top. There are 19 parking places, 100 pcs bicycle storage, lift and maintenance areas at the garage floor level. Traffic is led in one direction, we planned a scissor-like ramp system. The entry of the vehicles to the garage take place from the Lombardse street, the exit is towards the western side to Binnehoftje street.



MATERIALS
Water to the old Binnehoftje character we selected brick painted green as the main coverage of the new Green House. The cutted elevations receive light and airy aluminum sheet cover. The balcony parapet is made from white treated glass.

LOW CARBON FOOTPRINT
We are strongly committed using environmentally friendly building technologies and design sustainable buildings. Our intention was to minimize the carbon footprint of the building using innovative IFT Ucross Laminated Timber panels for the construction. It is a proven technology that can replace concrete in large building applications. It is easy to install, fire and earthquake resistant. We also care of proper insulation, natural lighting and shading, source and procurement of building materials, transportation, waste generation, proper disposal, decrease the need for energy use.



BASIC DATAS				
Function	Unit	Pris	GFA	Subtotal
Apartments (incl. m² floor)	+0.00	30	1702 sqm	
	-0.50	23	1350 sqm	
	-0.50	9	1117 sqm	4468 sqm
Total apartments		62	59	
Retail (incl. m² floor)	+0.50	5	228 sqm	
	-0.50	4	102 sqm	
	-0.50	1	76 sqm	346 sqm
Total retail		10	10	
Garage (incl. floor)	Parking	19	233 sqm	
	Bikes	100	150 sqm	
	Ramp floor	1	150 sqm	
	Maintenance	2	101 sqm	588 sqm
Total garage				588 sqm
Circulation (incl. elevators, stairs, ramps, other areas)	Courtyard		176 sqm	
	Roof garden		367 sqm	
	Total green areas			543 sqm
TOTAL GROSS FLOOR AREA				7655 sqm