

Main access

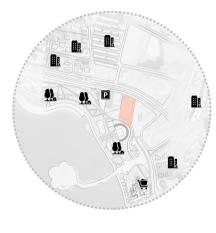
These are the main access which connect two main subway stations west (vardavard station) to the southern east (chitgar station).

aslo they connect to the main highway (hemmat highway) wich reach to the Tehran city and karaj city.



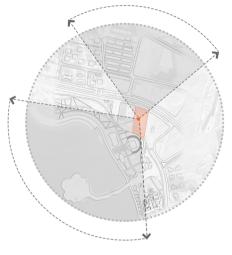
Green area

The artificial chitgar lake surrounded by a massive green margin which works as a big green public space. our intended site reach this green belt from southern part, this green belt already has been designed I tried to some how connect the landscape of our project to this existed green margin. this green belt has a great pedestrain and bike road which pass by our siteplan



Functions

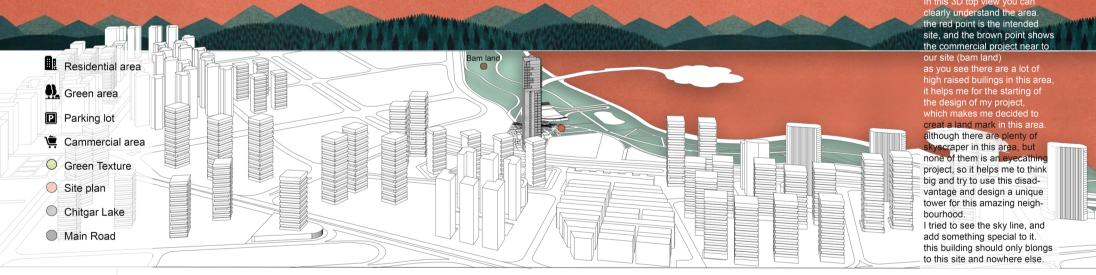
22nd district of tehran is one of the areas which high raised buildings are allowded to be built. so there are plenty of residential towers in this neighbourhood which means there are a lot of people live here, according to this there are so many shops and facilities in this area, one of the most famous commercial project (bamland) is close to our siteplan. which also is the most intresting project of this area

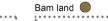


Views

our site plan has great views from north and south. it faces to the mountain from the north part. and also faces to the lake and green area from the south part, from the east and west it faces to the residential towers and other buildings which makes it some how interesting,

we have both urban views and views from the nature which is a very interesting point of this site area











Concept Idea

After analysing and studying about the main location, the next step was trying to find eye cathing and interesting buildings near the site plan such as residential, commercial and ... buildings, (the main purpose of finding these building was to find a clue for starting the design, since this area ia a quite new zone of tehran and we do not have too many volume and accesses arround the site plan)

so after doing some researches and visisting the area, I found a quite Interesting recreation commercial complex along the lake which was close to the site plan as well ,and it is a quite big project which became a land mark for this area, so we decided to study more about this project and tryied to give some access of it and continue them to our site plan, in this way we could finde the first idea of main boundary of our project,

the main design idea of Bam land project was cubic design, so we extract a gride pattern of the base of the project and use it as our base designe,

the gride idea helped us also for desigig the open space arrounde our building,

combining the gride pattern and the curve line of the lajke was an interesting idea along the lake,



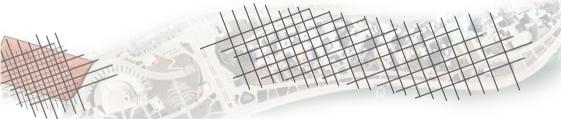


Area

Bam Land Residential zone

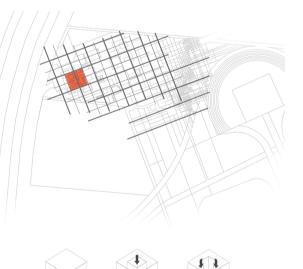
Chitgar Lake





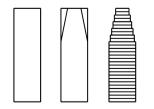
Tower Position:

At this point I tried to find the right position for the main tower.so I decided to choose this orange spot as the location of main tower, first of all because I wanted to consider it in the closest part to the main street, since I did not want to let the vehicle get inside the site plan, the scond reason is that I want to combine the main open space with the existed park and make an integrated area as public area of the project, in this way I also could consider the commercial buildings in the middle part which works with the tower and public space parts at the same time.



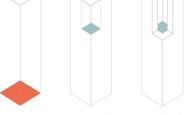
Following the rules:

The Idea of the volume of the main tower is according to the rules that we have in Iran for highrased building (skyscrapers) which is ,If we want to build more than 25 floors we should reduce the area of each following floors in an progressive way which makes the volume like pyramid in the top.



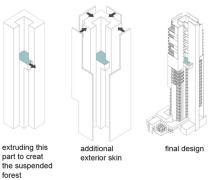
so as I didn't want to have this volume on the top, and wanted to follow the rules as well, so I decided to do the reverse idea which is excavating the volume from inside and give it a function.

the Green core (opposite of bosco verticale that we have here in milan).so in this way we have a tower with a green core,and we also followed the constructional rules as well.



main shape excavating the of tower center part to creat the core and following the rules.

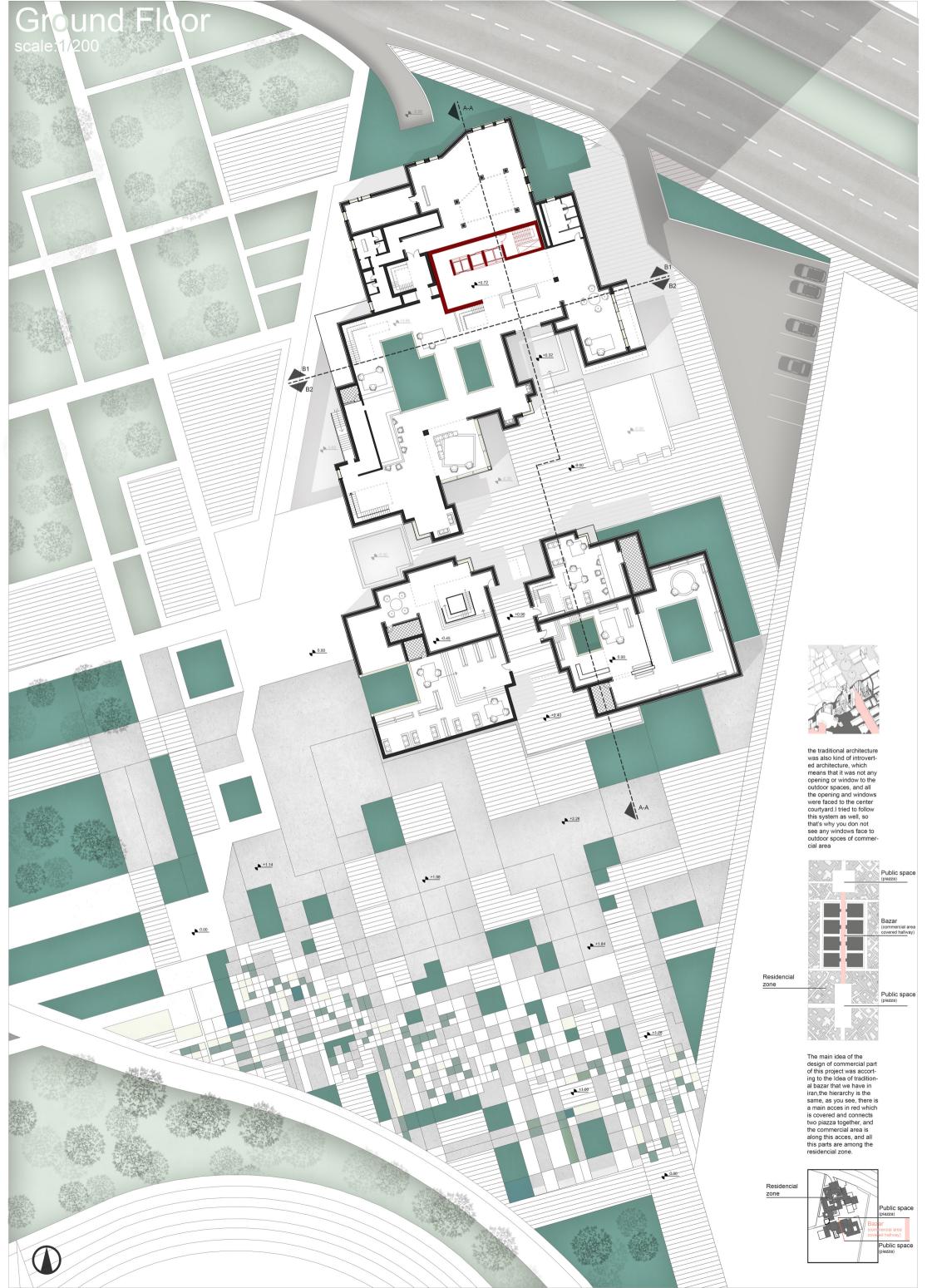
g the excavating the t to corner of the core volum to let the light in the core







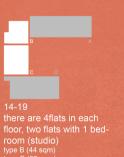




Floor Plans



23-26-29-30 there are 2 flats in each floor, one flat with 3 bedrooms type A (172 sqm), and the other one with 2 bedrooms type B (170 sqm)

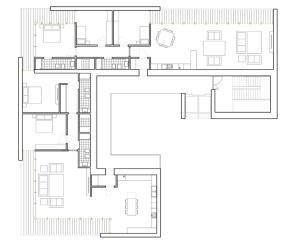


there are 4flats in each floor, two flats with 1 bedroom (studio) type B (44 sqm) type C (62 sqm) and two other with 2 bedrooms. type A (112 sqm) type D (95 sqm)

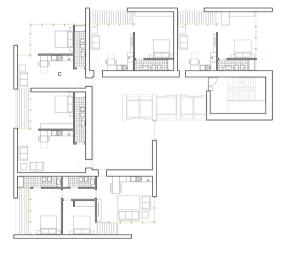


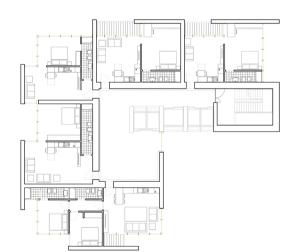
12-13 there are 5 flats in each floor, 4 flats with 1 bedroom (studio) type A (52 sqm) type B (56 sqm) type C (43 sqm) type D (56 sqm) and the other one with 2 bedrooms. type E (85 sqm)

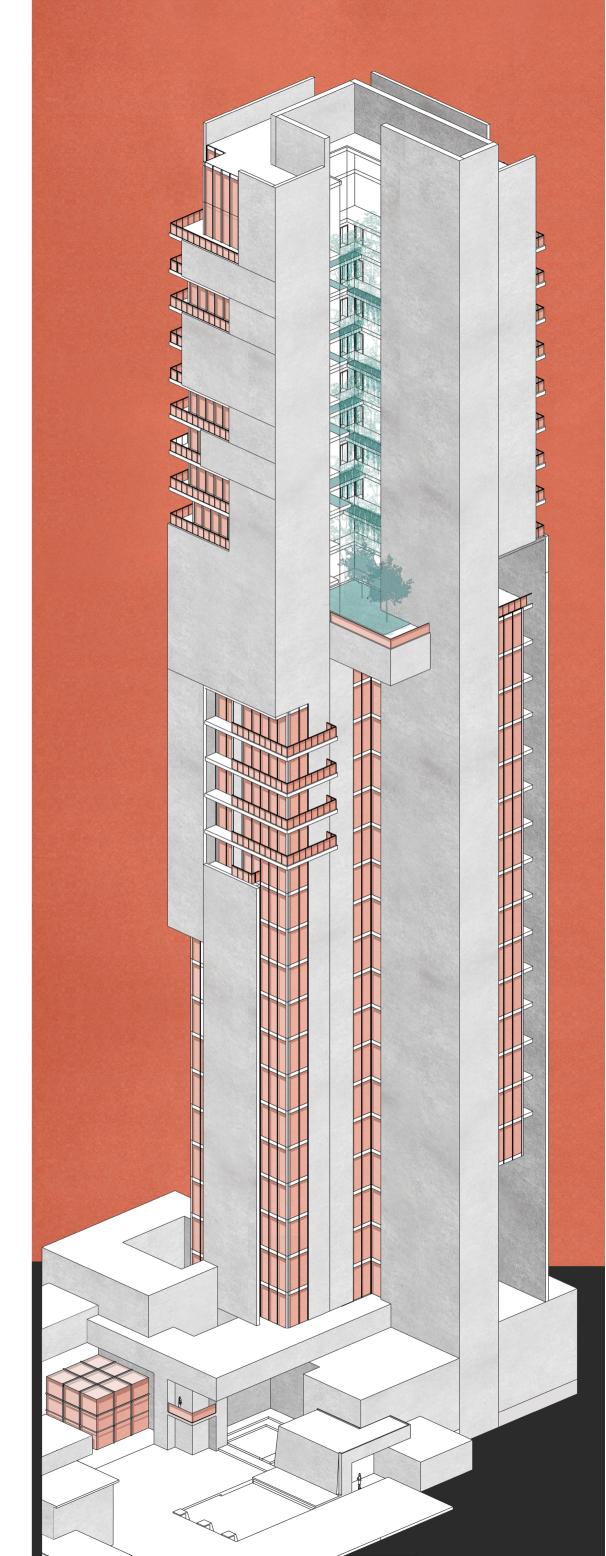




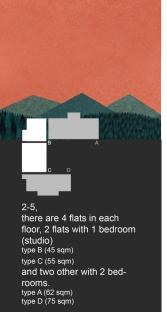


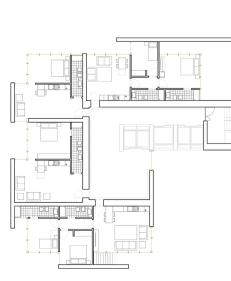




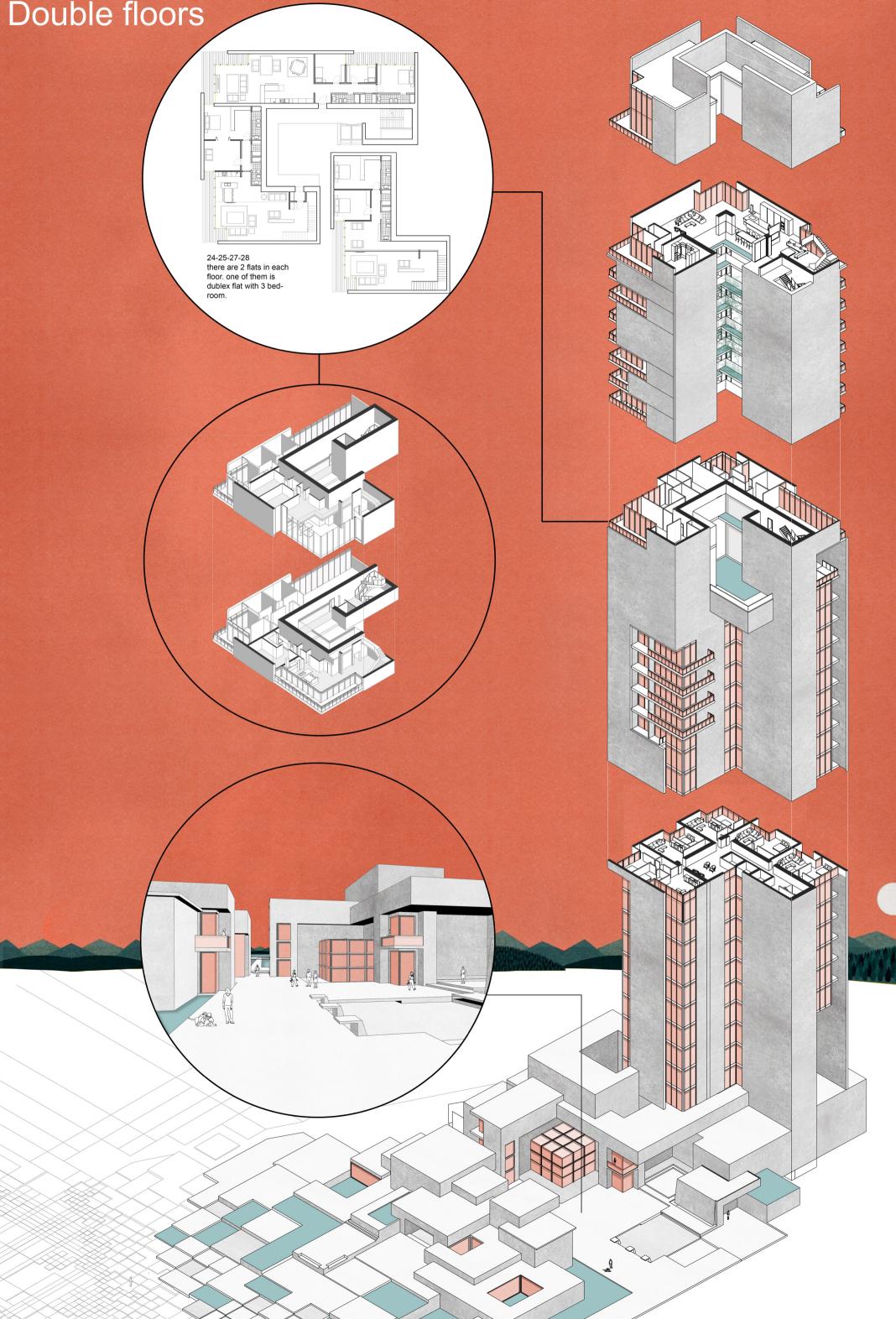


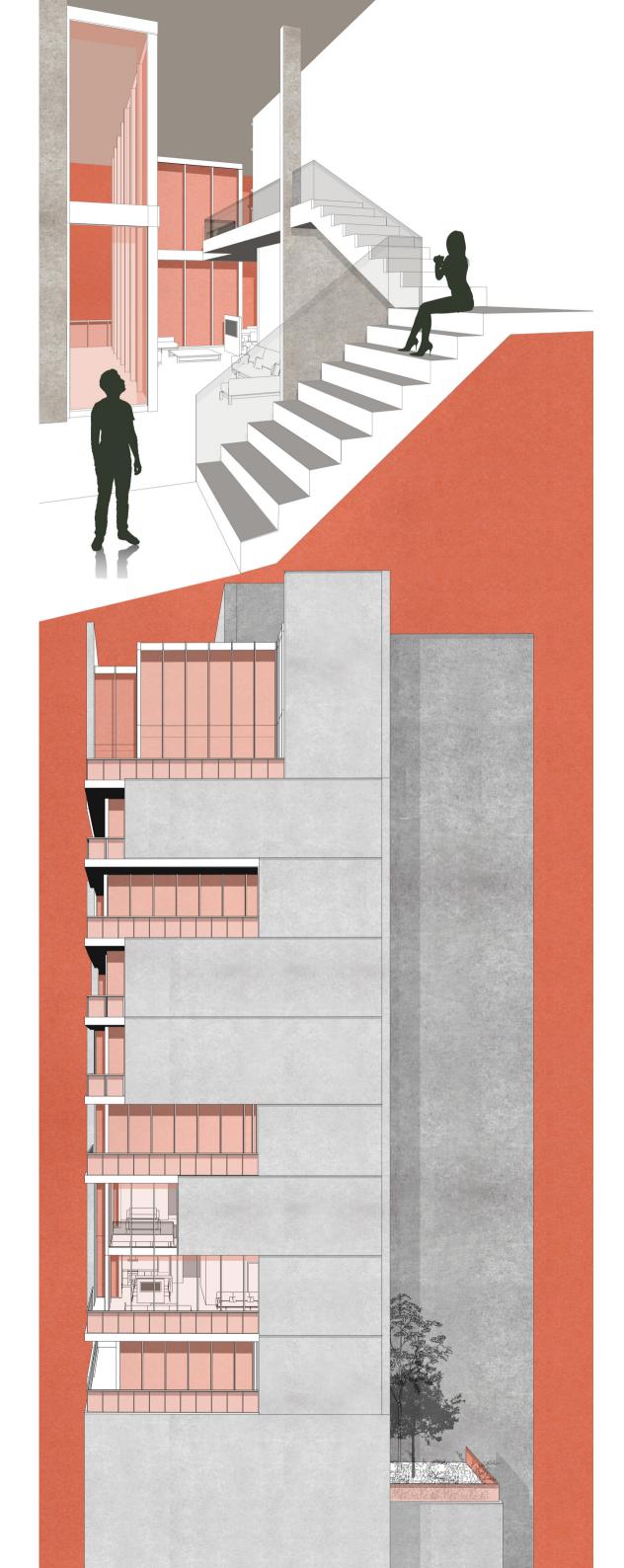
and the other one with 2 bedrooms. type E (73 sqm)



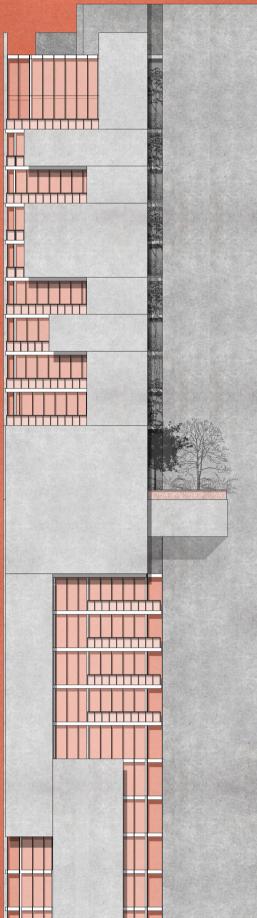


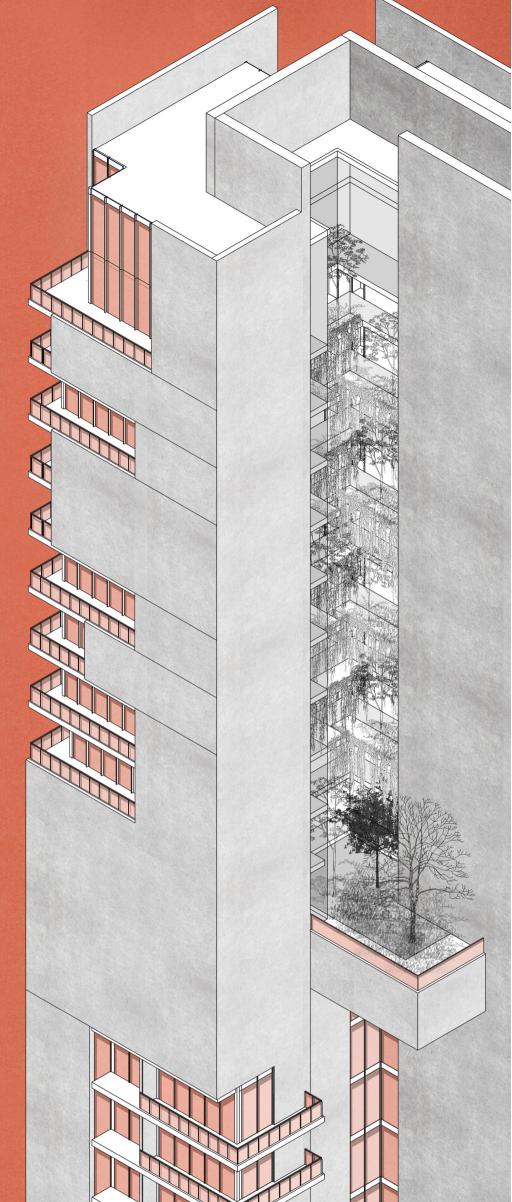
Double floors

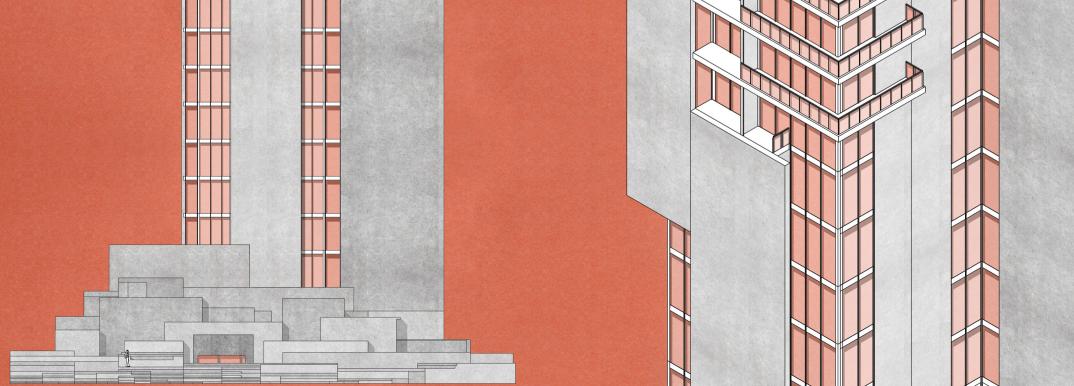




South Elevation

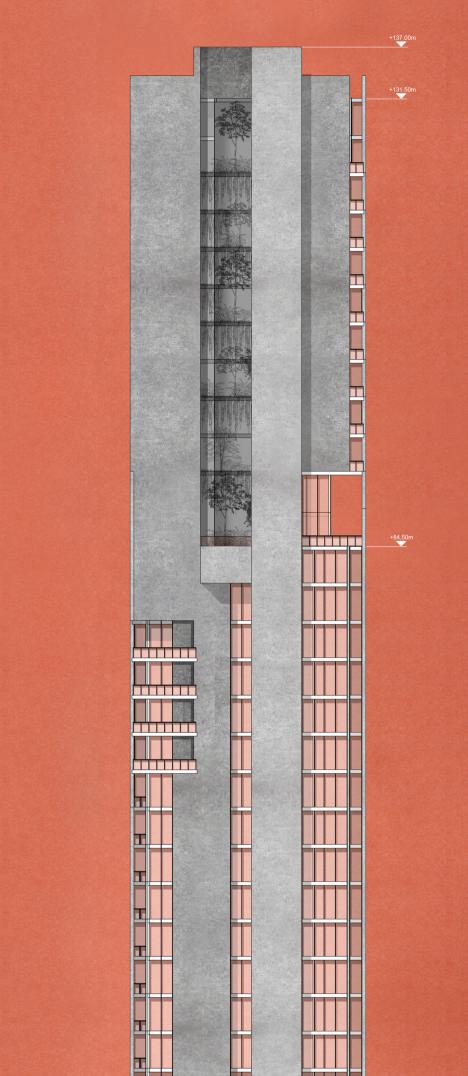


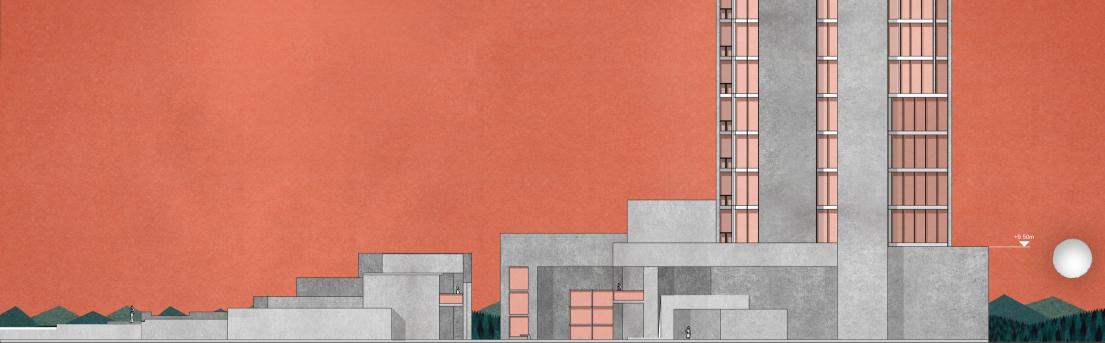










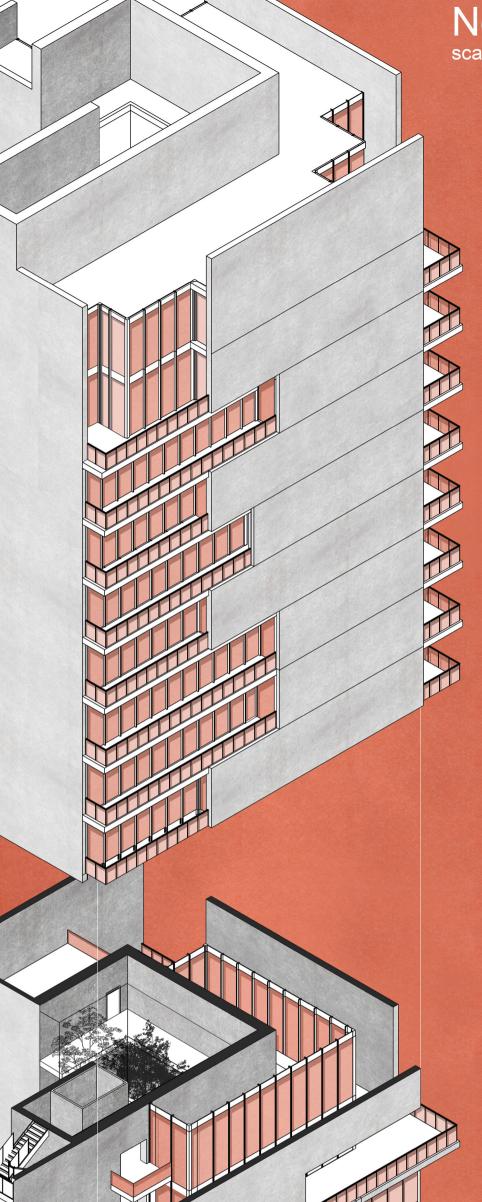


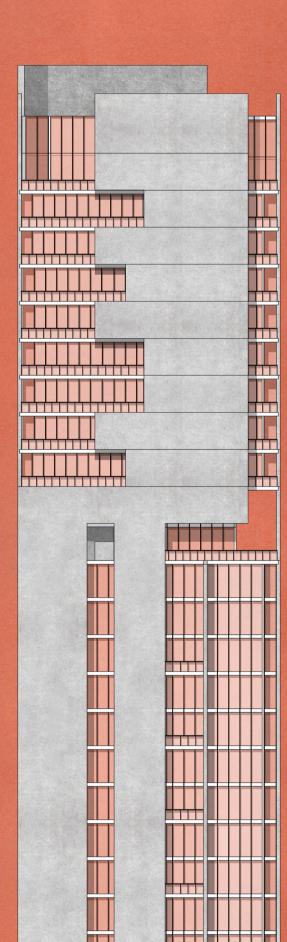
Section A-A scale:1/200



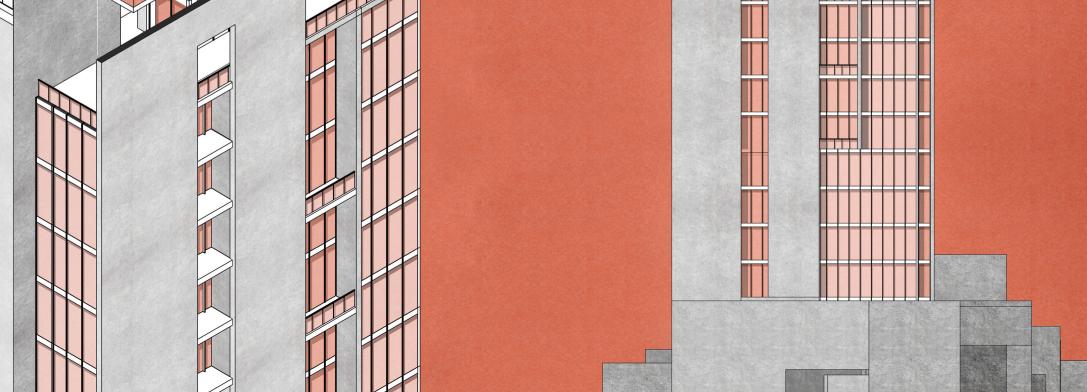


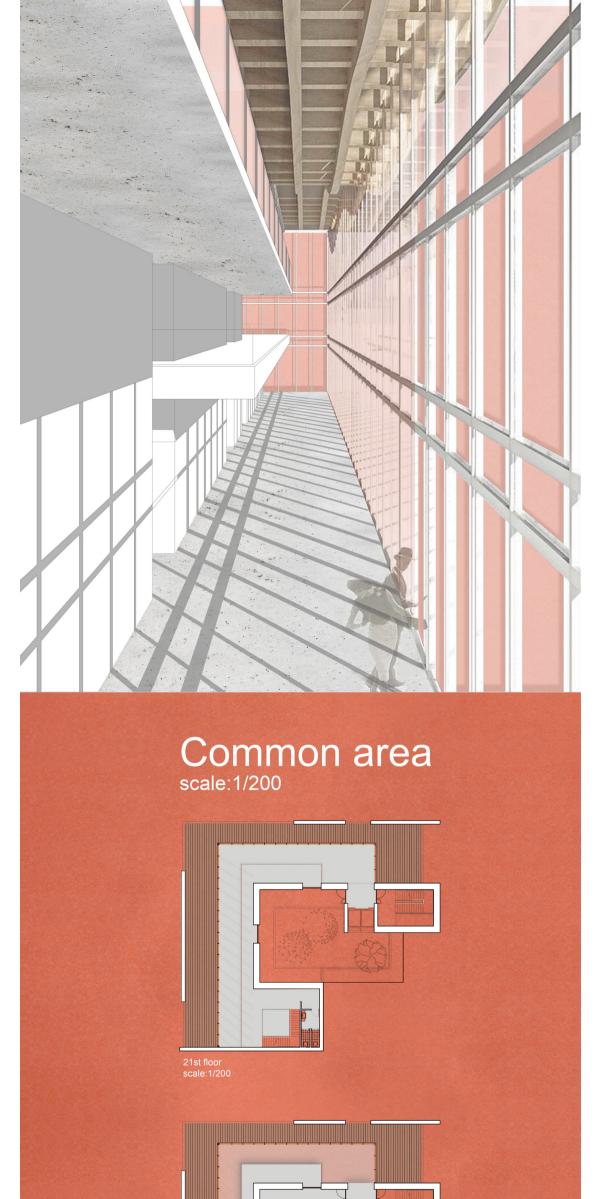


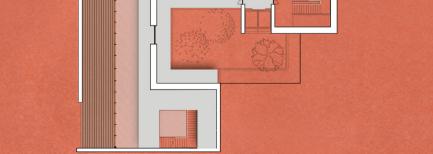




North Elevation

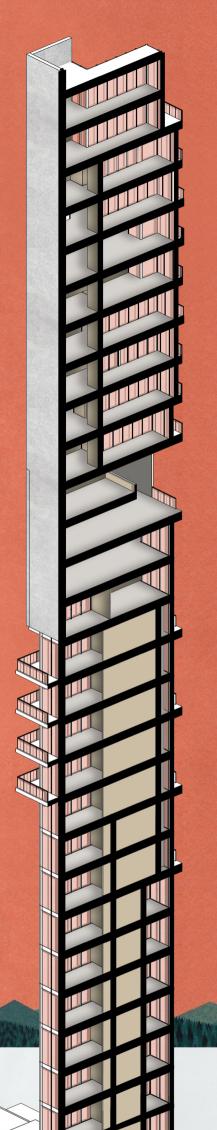




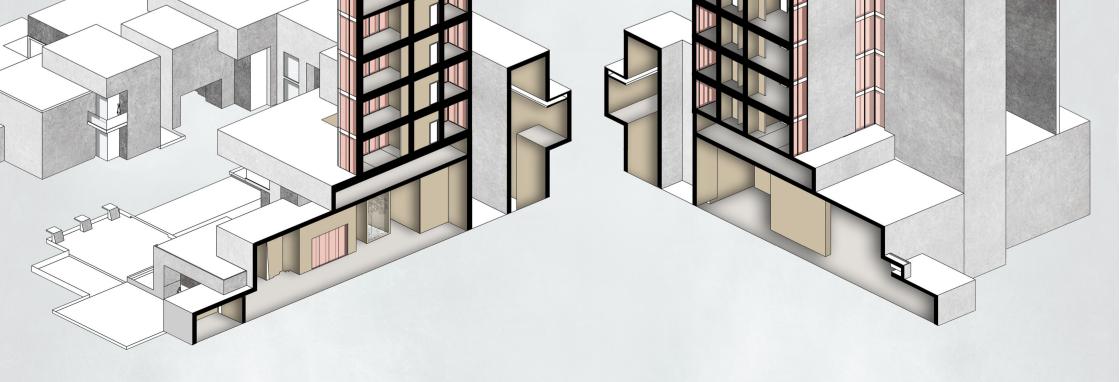


21-22 in these two floor we have common area, wich located in the middle of the tower, from this point the vertical forest strats, this common area consist all 3 kind of spaces, close space, open space and semi open space the area of first floor is 500 sqm and the second floor is 250 sqm,

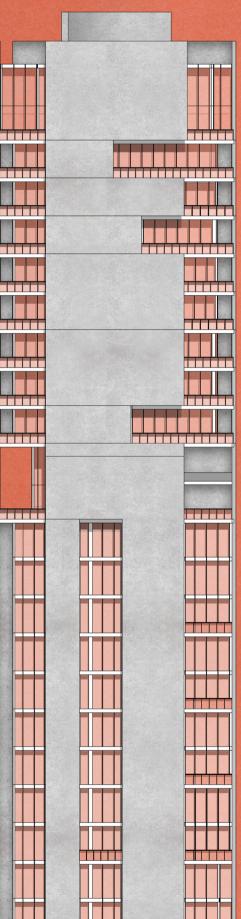
Section B1,B2

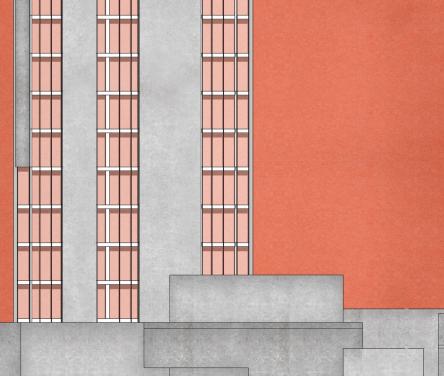


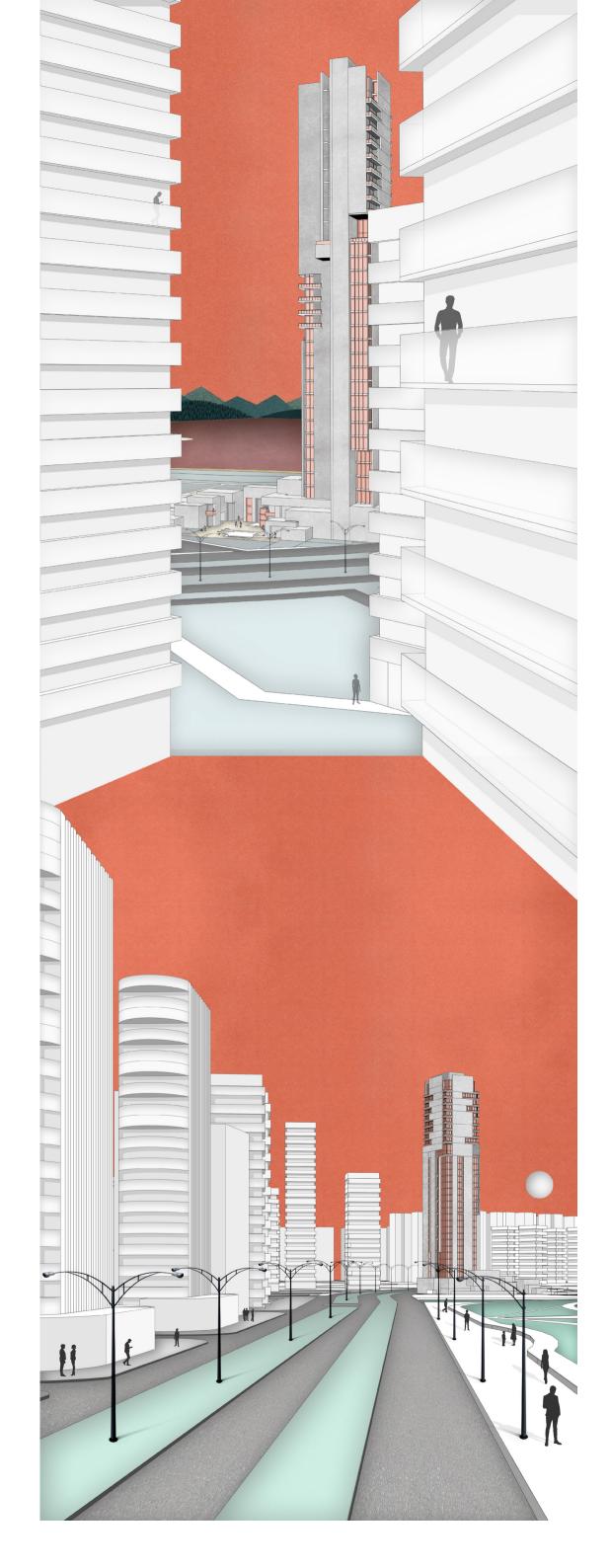


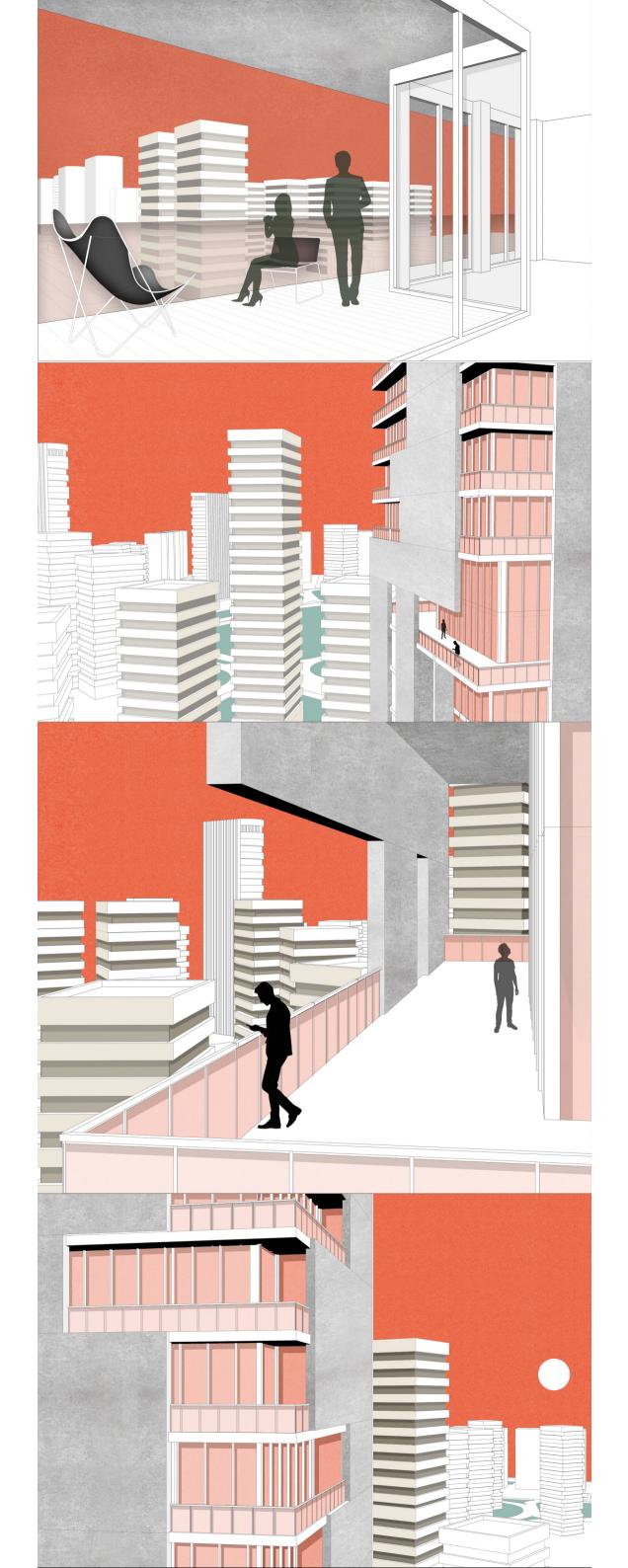












Chitgar Tower



Student: Mohsen Masoudnia Professor: Paolo Mazzoleni summer 2019 politecnico di milano