

PROGRAMMATIC INTEGRATED HOUSING COMMUNITY DESIGN

REDEVELOPMENT OF PRAIRE SHORE COMMUNITY IN CHICAGO

XUE BAI

MAY, 2012

PROGRAMMATIC INTEGRATED HOUSING COMMUNITY DESIGN

REDEVELOPMENT OF PRAIRE SHORE COMMUNITY IN CHICAGO

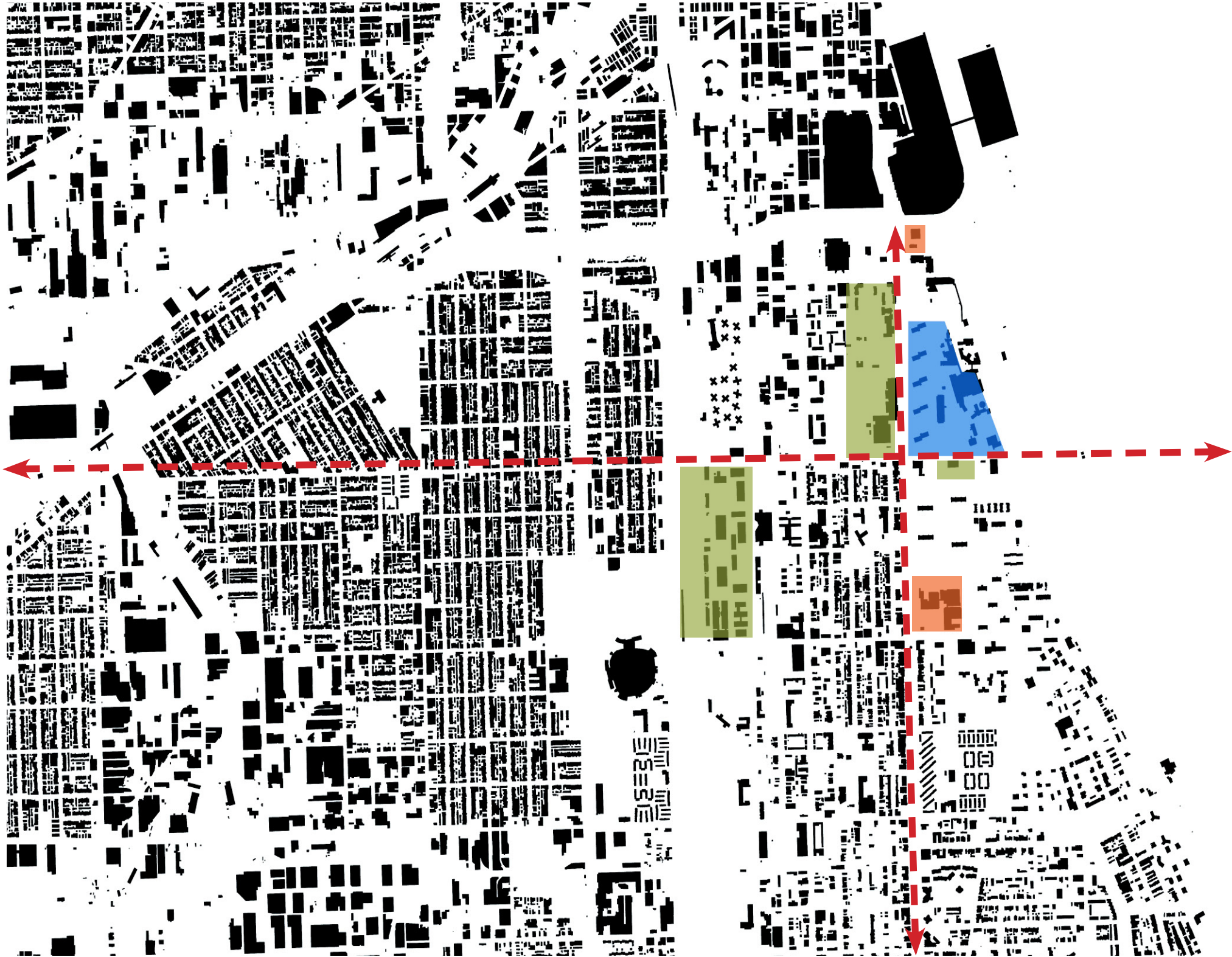


LIFE WITHIN MODERN URBAN ORGANIZATION

As the technology developed, the high rise residential building had become a efficient way of living arrangement, however, is high rise the most appropriate way for people's living? Then why we keep on create more green space and public space in high rise?

The living style has been changes by the technology, and at some point, we are trying to escape the isolating space.

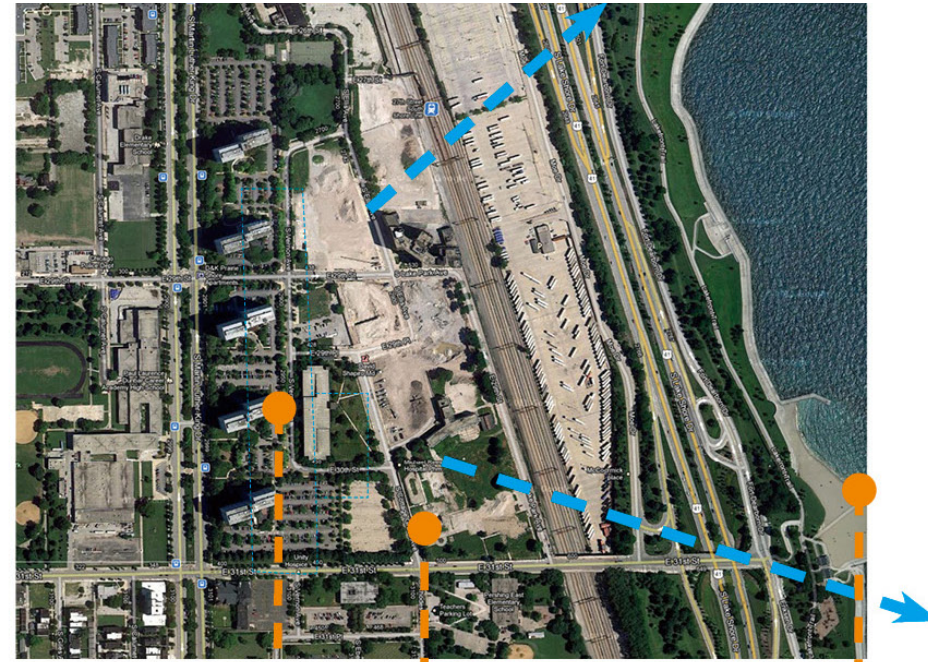
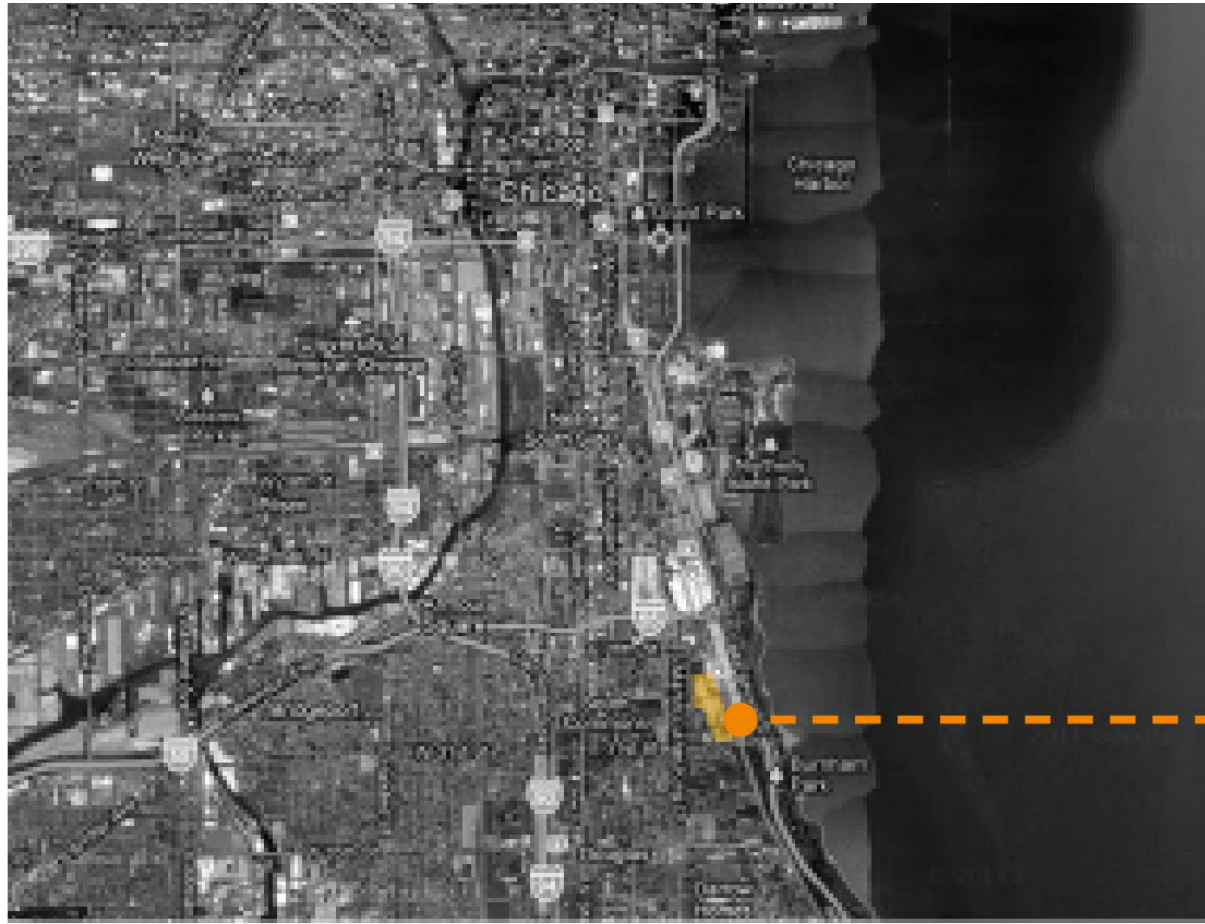
SITE ANALYSIS



- neighborhood Education
- Site Area
- neighborhood Commercial
- major transportation

PROGRAMMATIC INTEGRATED HOUSING COMMUNITY DESIGN

REDEVELOPMENT OF PRAIRE SHORE COMMUNITY IN CHICAGO



Praire shore apartment building

Lake Michigan view



THE REDEVELOPMENT PROPOSAL OF LAKE MEADOW AREA

The site has the potential to be lively because of the plan of Lake Meadow re-development, the proposal of Prairie Shore residential area will meet the demand of the rising population, which will be a mixed use, mid density of residents plan. The idea behind this proposal is trying to integrate programs to the housing plan which could also enhance the connection between people and the city. Each of the housing takes advantage of the site facing Lake Michigan and sunshine, the amenities and programs located on the ground level of building courtyard, supply the service of residents living by, while on the 31st street there are several types of commercial areas which will also contribute the vitality to this community.

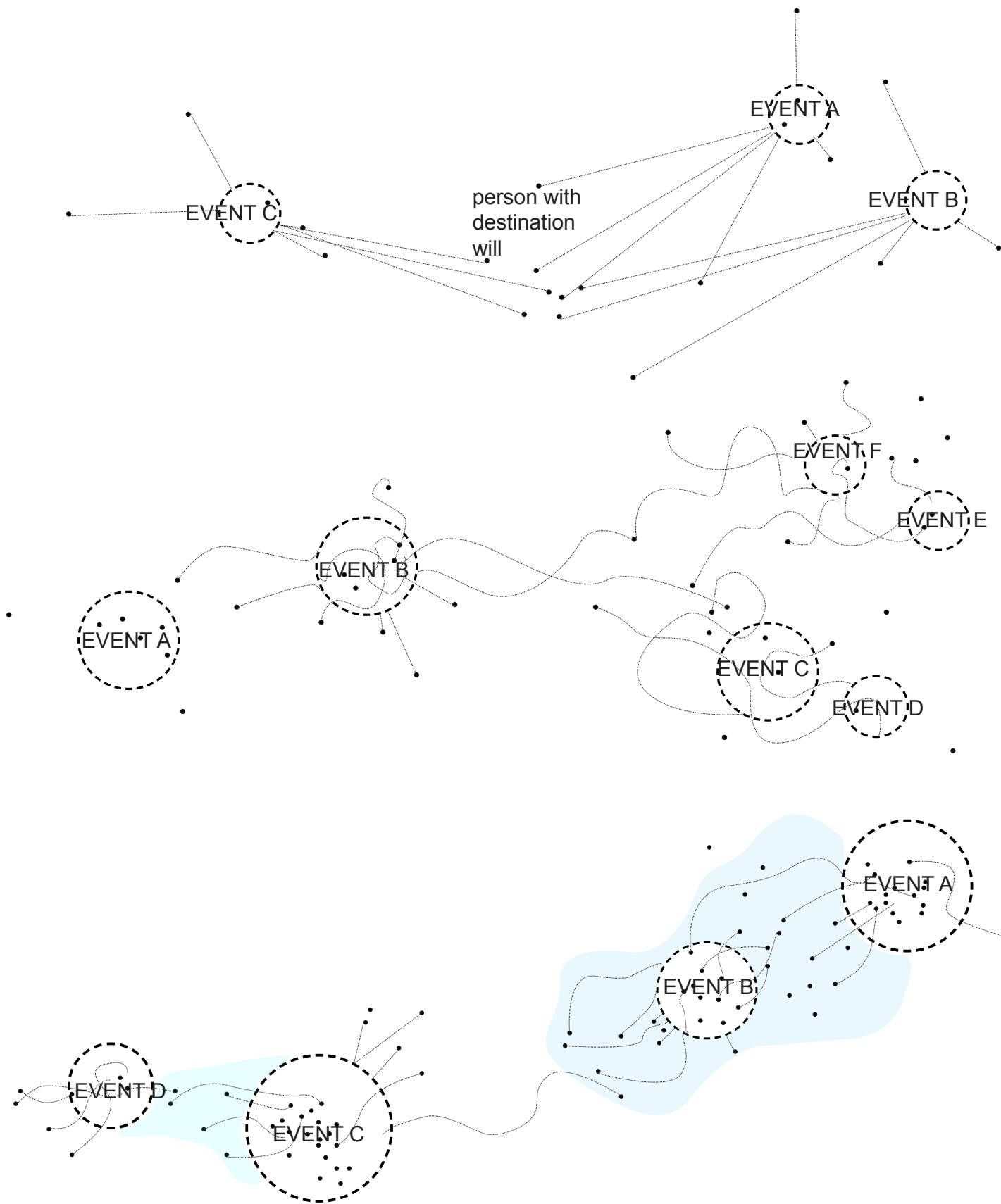


Project Summary

- Residential: 7,845 Units
- Rental: +/- 2,000 units
- Home Ownership: +/- 5,845 units (Single Family, Townhomes, Condominium)
- Town Center Retail: +/- 500,000 SF
- Parks
- 8 Parks
- 15 acres (on-site)
- 14 acres (Burnham Park connection)
- Job Creation
- Construction +/- 9,200
- Permanent (Retail) +/- 1,040

PROGRAMMATIC INTEGRATED HOUSING COMMUNITY DESIGN

REDEVELOPMENT OF PRAIRE SHORE COMMUNITY IN CHICAGO



NECESSARY ACTIVITIES

- activities such as going to school or work, shopping, waiting for a bus.
- a person is required to participate.
- these activities will take place throughout the year under nearly all conditions, and are more or less independent of the exterior environment.

OPTIONAL ACTIVITIES

- pursuits that are participated in if there is a wish to do so and if time and place make it possible - are quite another matter.
- category includes activities such as taking a walk or standing around to enjoy life or sitting to sunbathe
- these activities take place only when exterior conditions are optimal, when weather and place invite them.

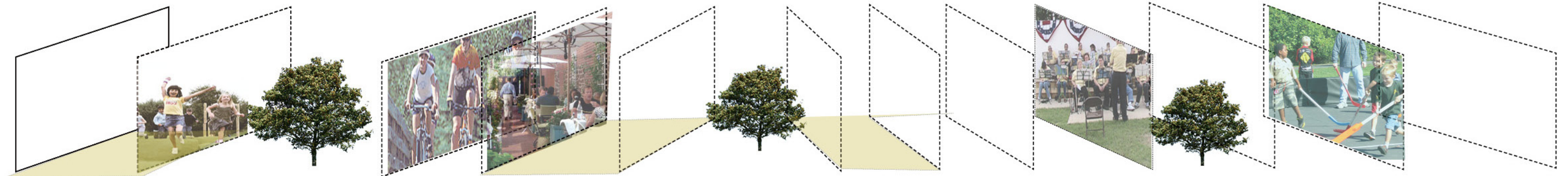
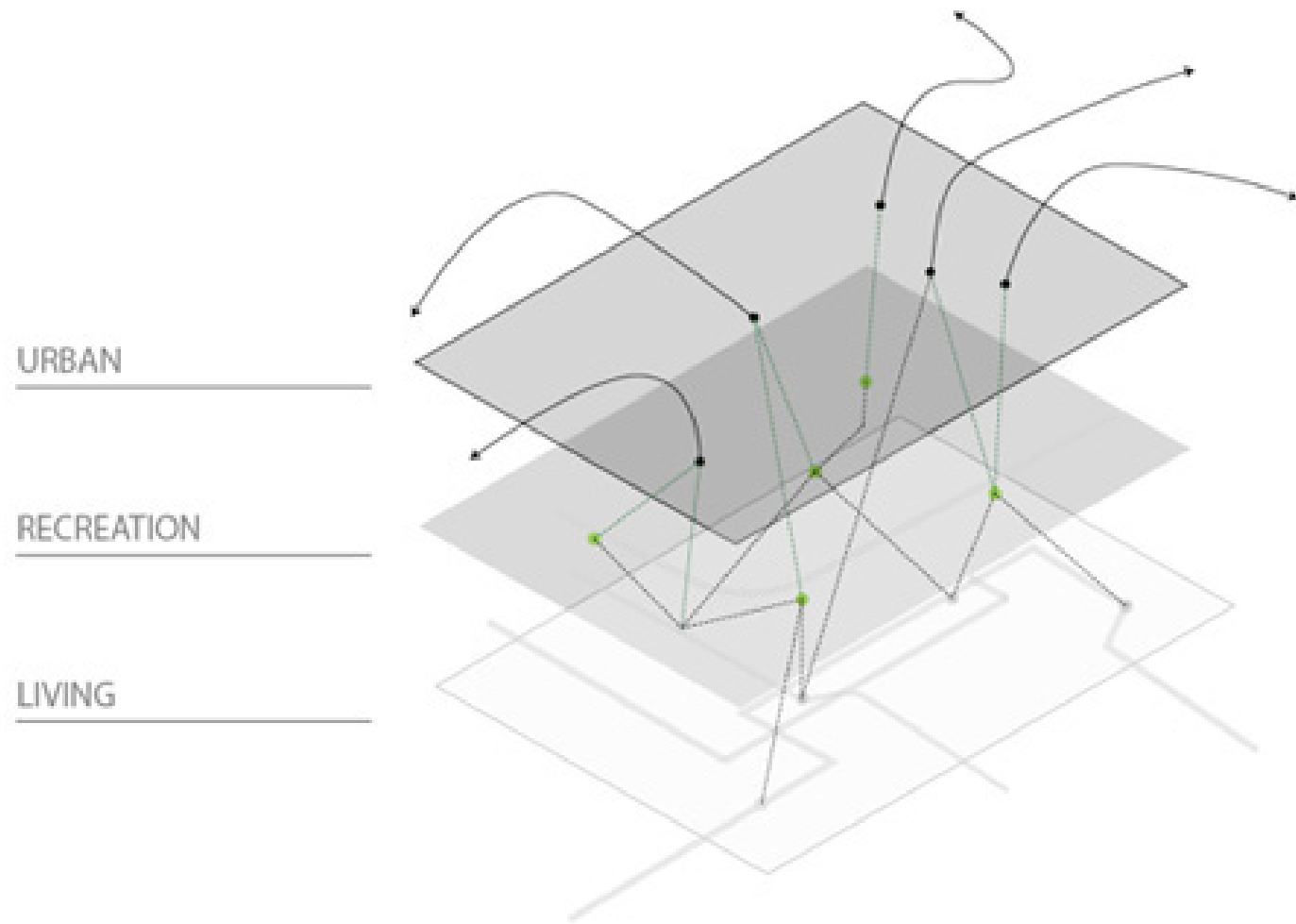
SOCIAL ACTIVITIES

- all activities which depend on the presence of others in public spaces.
- activities include children at play, greetings and conversations, communal activities of all kinds and finally - passive contacts, simply seeing and hearing other people.
- could also be termed resultant activities because because in nearly all instances they evolve from activities linked to the other two categories.
- social activities occur spontaneously as a direct consequence of people moving about and being in the same space.

PROGRAMMING CONSIDERATION

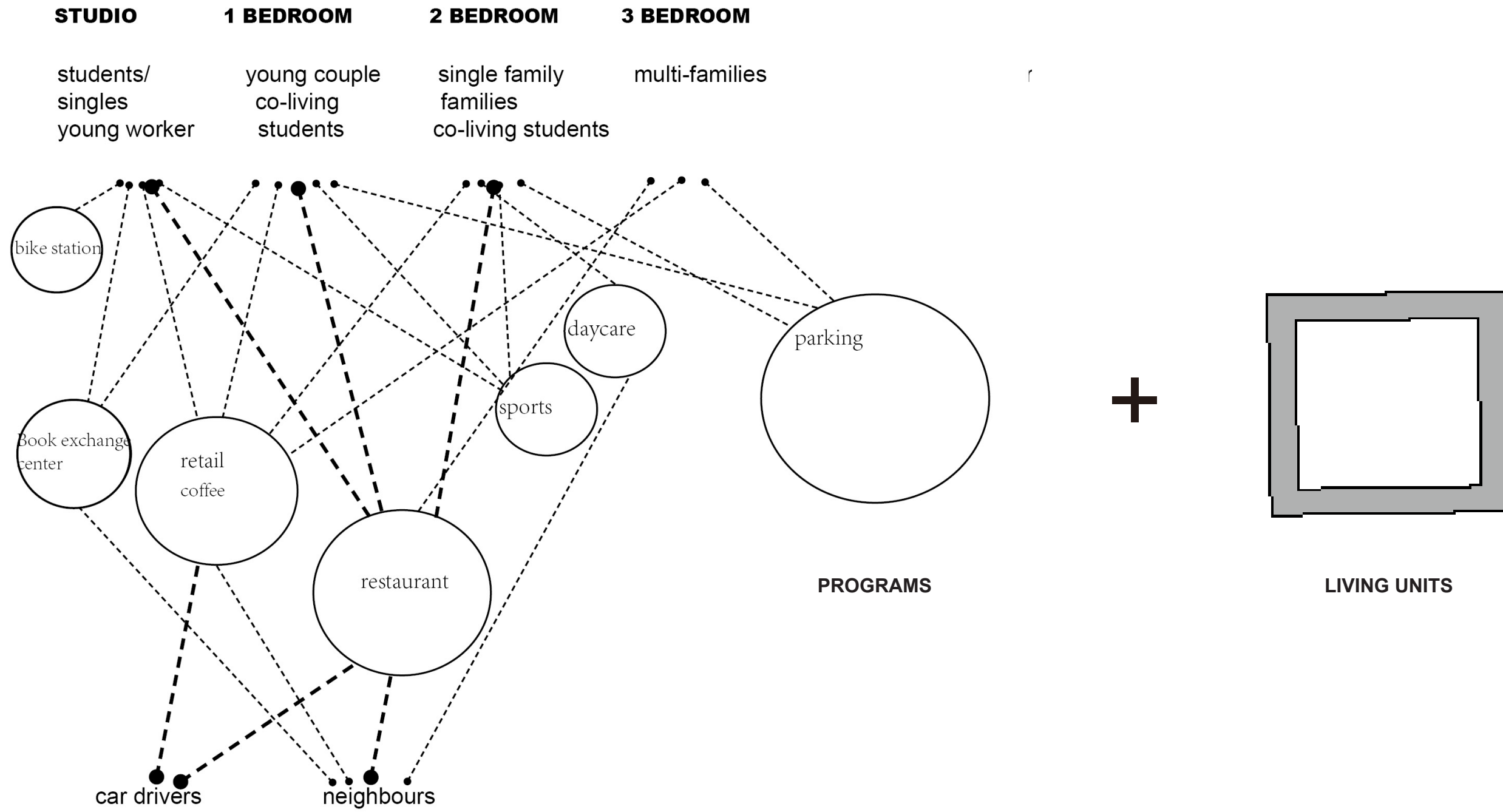
- Residents density
- Activities
- Urban Fabric
- Quality of living
- Public space
- Private external space
- Transport
- City connections
- Parking

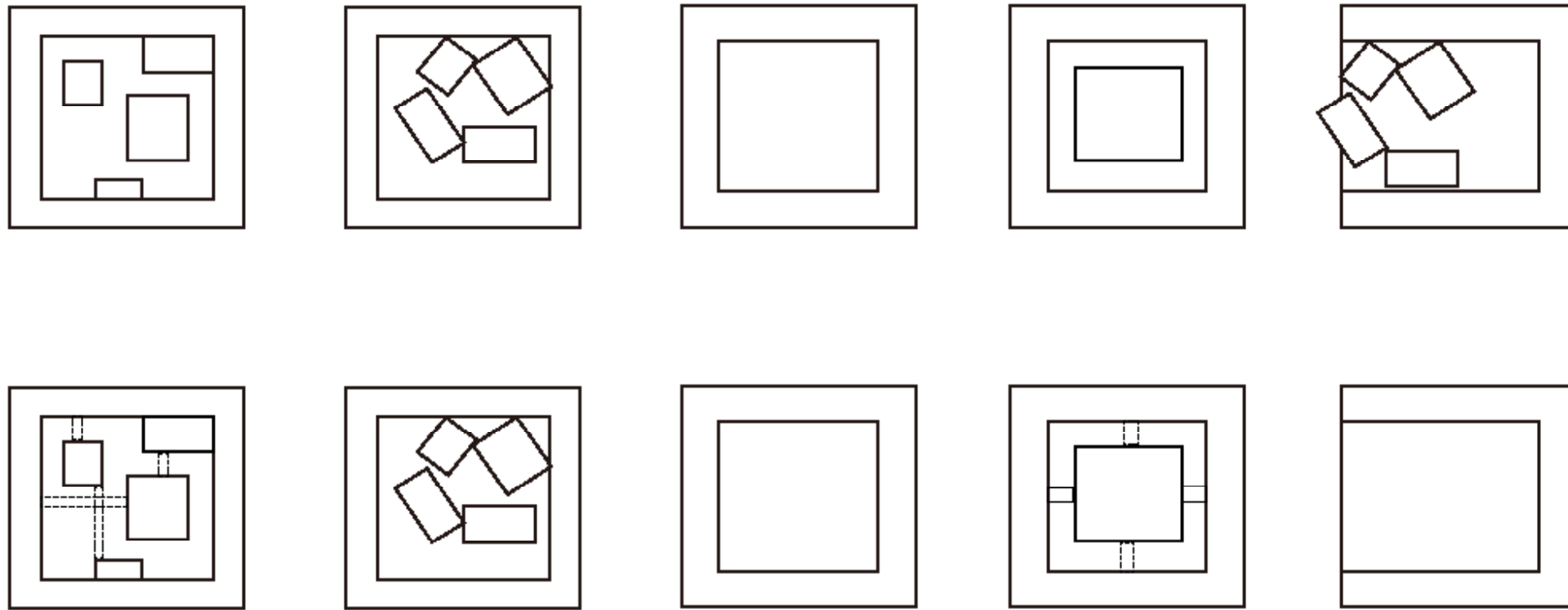
All these factors involved in the living environment at the first stage will lead the concept to a urban level consideration. In this case, programs like commercial space along the 31st street, programs for community used, like daycare center, book exchange center, ect, would bring the community to a open and lively stage.



PROGRAMMATIC INTEGRATED HOUSING COMMUNITY DESIGN

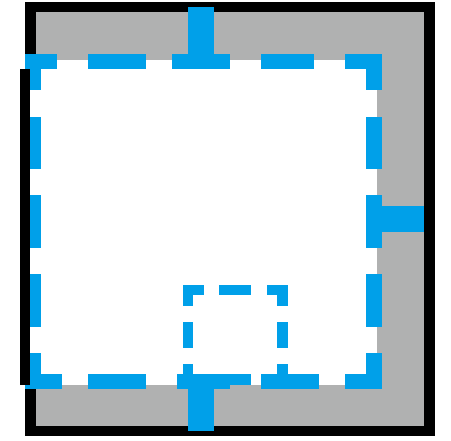
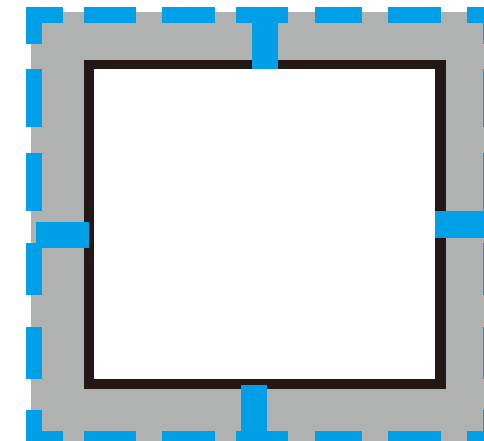
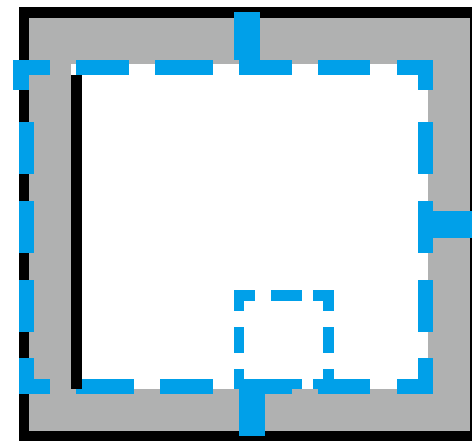
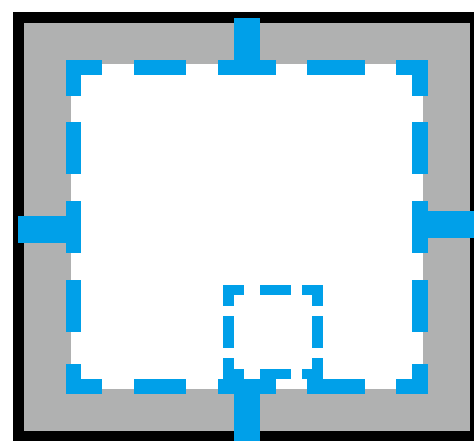
REDEVELOPMENT OF PRAIRE SHORE COMMUNITY IN CHICAGO





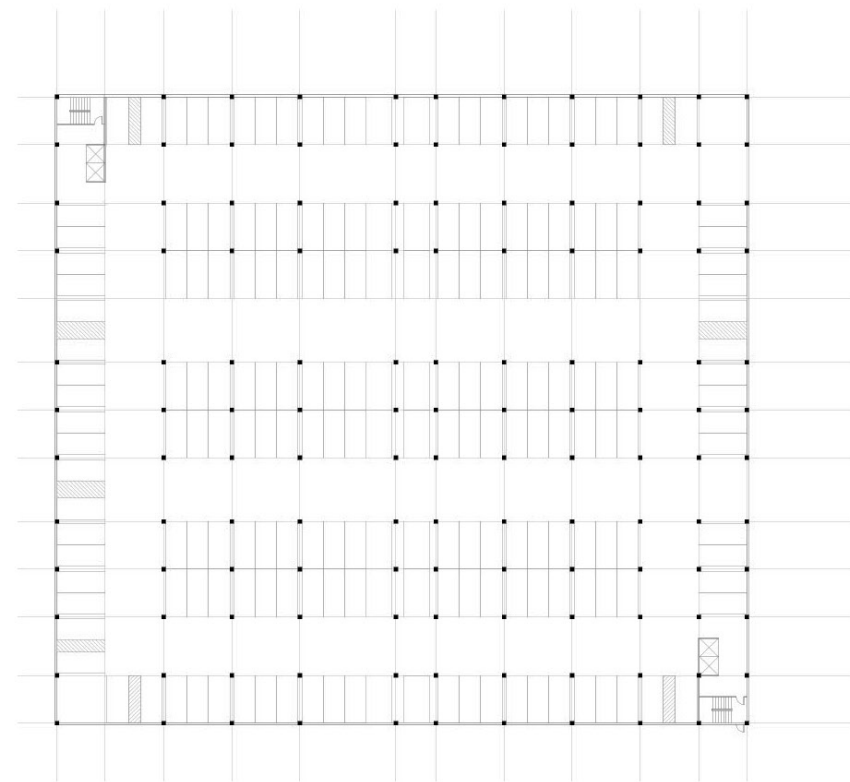
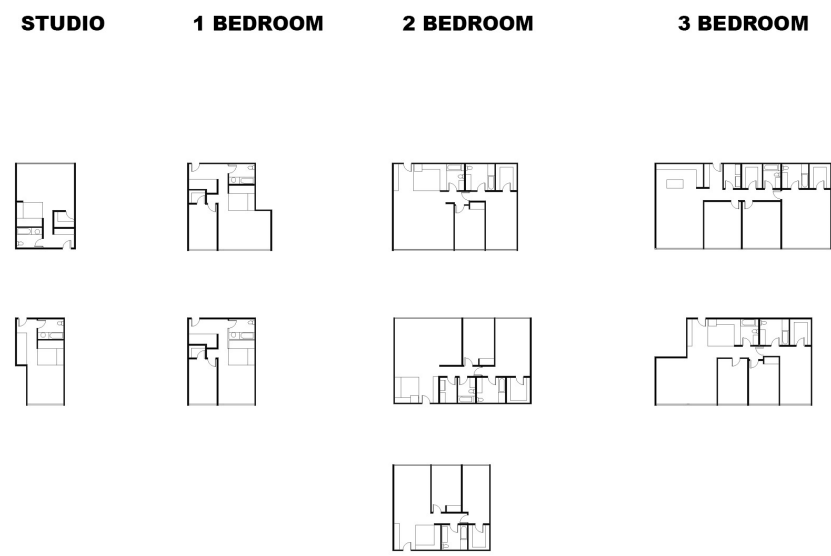
Distribution

The form of "programs distributed in the courtyard building" can derivative into various type, which also influence the circulation of the single system and whole site. The commercial space could be arranged at outer line of the site, which takes advantage of city transportation, while some programs like daycare center and bookexchange center, could be at the center of the building like the diagram discussed.

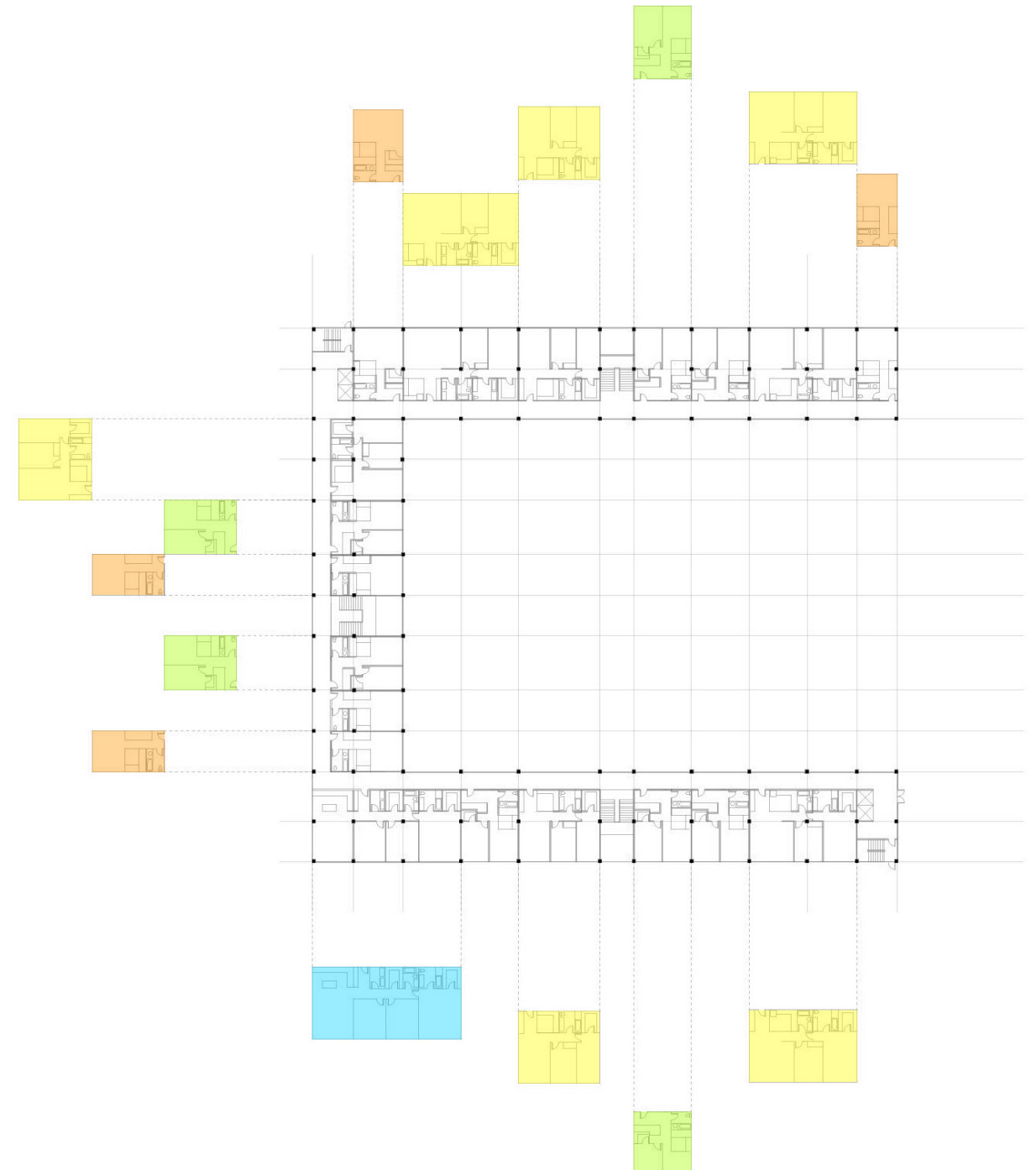


PROGRAMMATIC INTEGRATED HOUSING COMMUNITY DESIGN

REDEVELOPMENT OF PRAIRE SHORE COMMUNITY IN CHICAGO



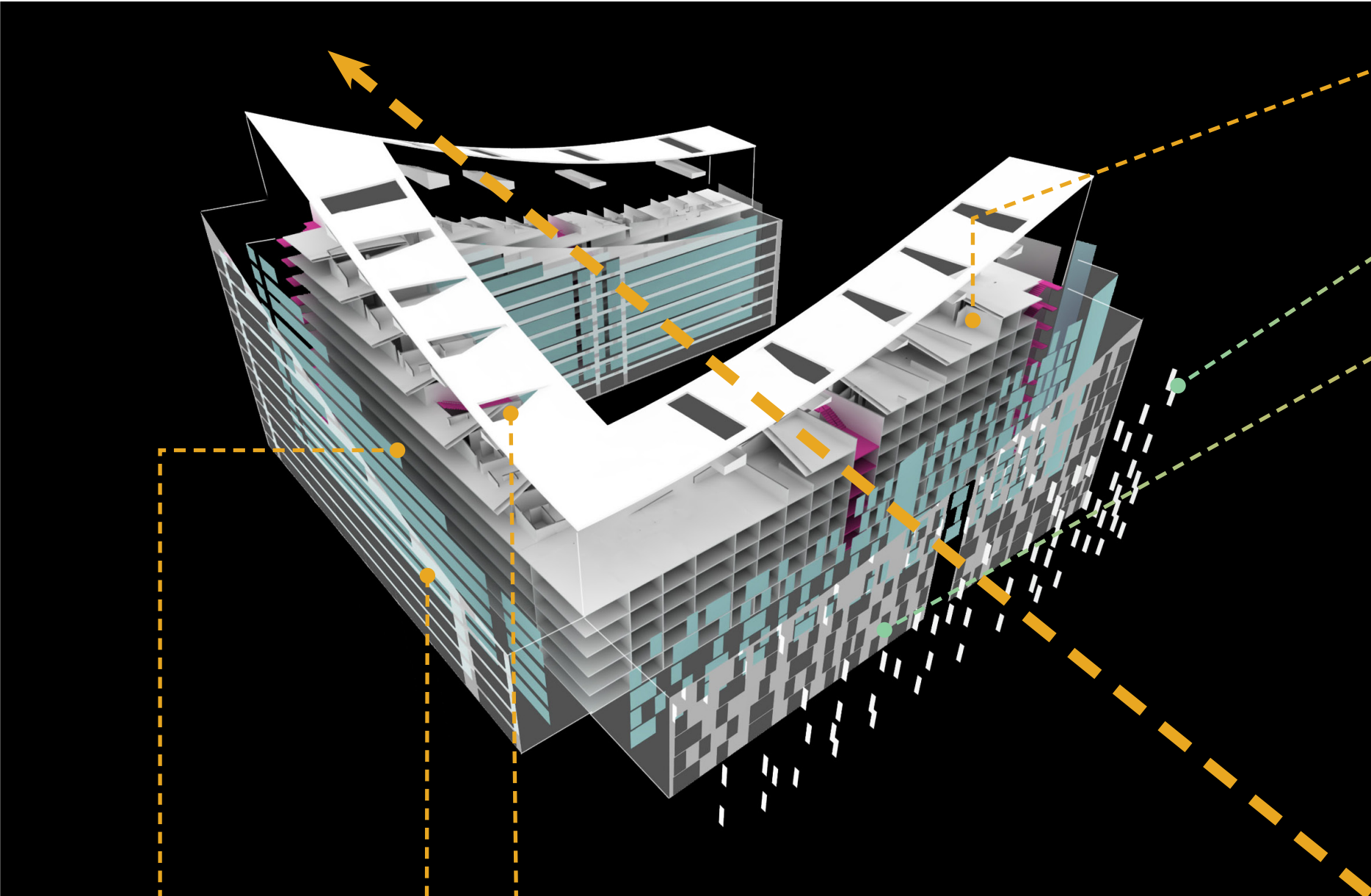
UNDERGROUND PLAN



TYPICAL FLOOR PLANS

PROGRAMMATIC INTEGRATED HOUSING COMMUNITY DESIGN

REDEVELOPMENT OF PRAIRE SHORE COMMUNITY IN CHICAGO



● roof garden

● shading panel

● concrete wall

● corridor

● roof garden

● corridor curtain wall

Units facing south and north

PROGRAMMATIC INTEGRATED HOUSING COMMUNITY DESIGN

REDEVELOPMENT OF PRAIRE SHORE COMMUNITY IN CHICAGO



PROGRAMMATIC INTEGRATED HOUSING COMMUNITY DESIGN

REDEVELOPMENT OF PRAIRE SHORE COMMUNITY IN CHICAGO



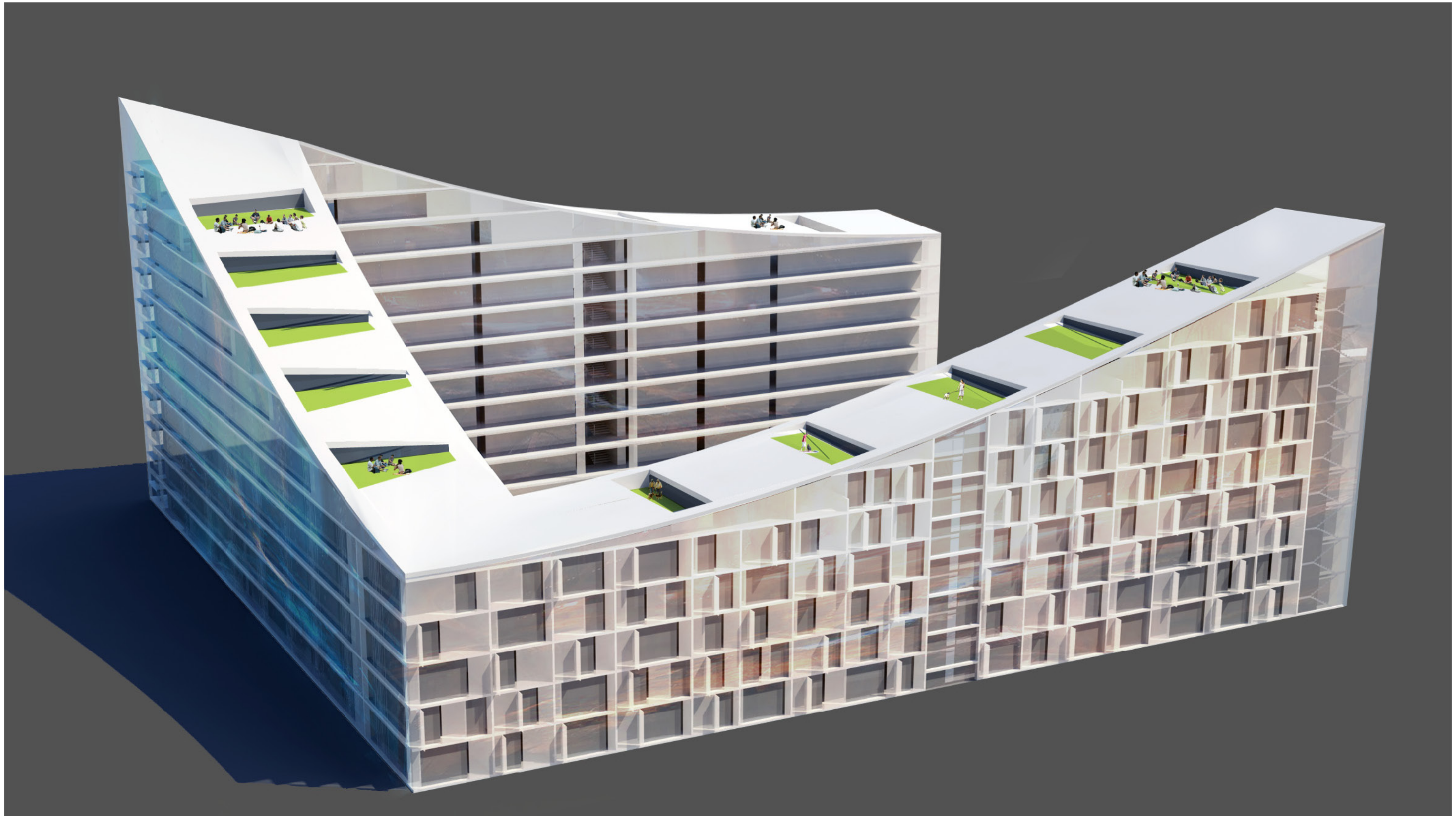
**PLANNING RESIDENTIAL
UNITS: 1,671**

**PLANNING DENSITY: 28.5
UNITS/ACRE**

- parking lots
- daycare center
- sunken plaza
- sports field
- landscape
- commercial space

PROGRAMMATIC INTEGRATED HOUSING COMMUNITY DESIGN

REDEVELOPMENT OF PRAIRE SHORE COMMUNITY IN CHICAGO



PROGRAMMATIC INTEGRATED HOUSING COMMUNITY DESIGN

REDEVELOPMENT OF PRAIRE SHORE COMMUNITY IN CHICAGO



PROGRAMMATIC INTEGRATED HOUSING COMMUNITY DESIGN

REDEVELOPMENT OF PRAIRE SHORE COMMUNITY IN CHICAGO



PROGRAMMATIC INTEGRATED HOUSING COMMUNITY DESIGN

REDEVELOPMENT OF PRAIRE SHORE COMMUNITY IN CHICAGO

