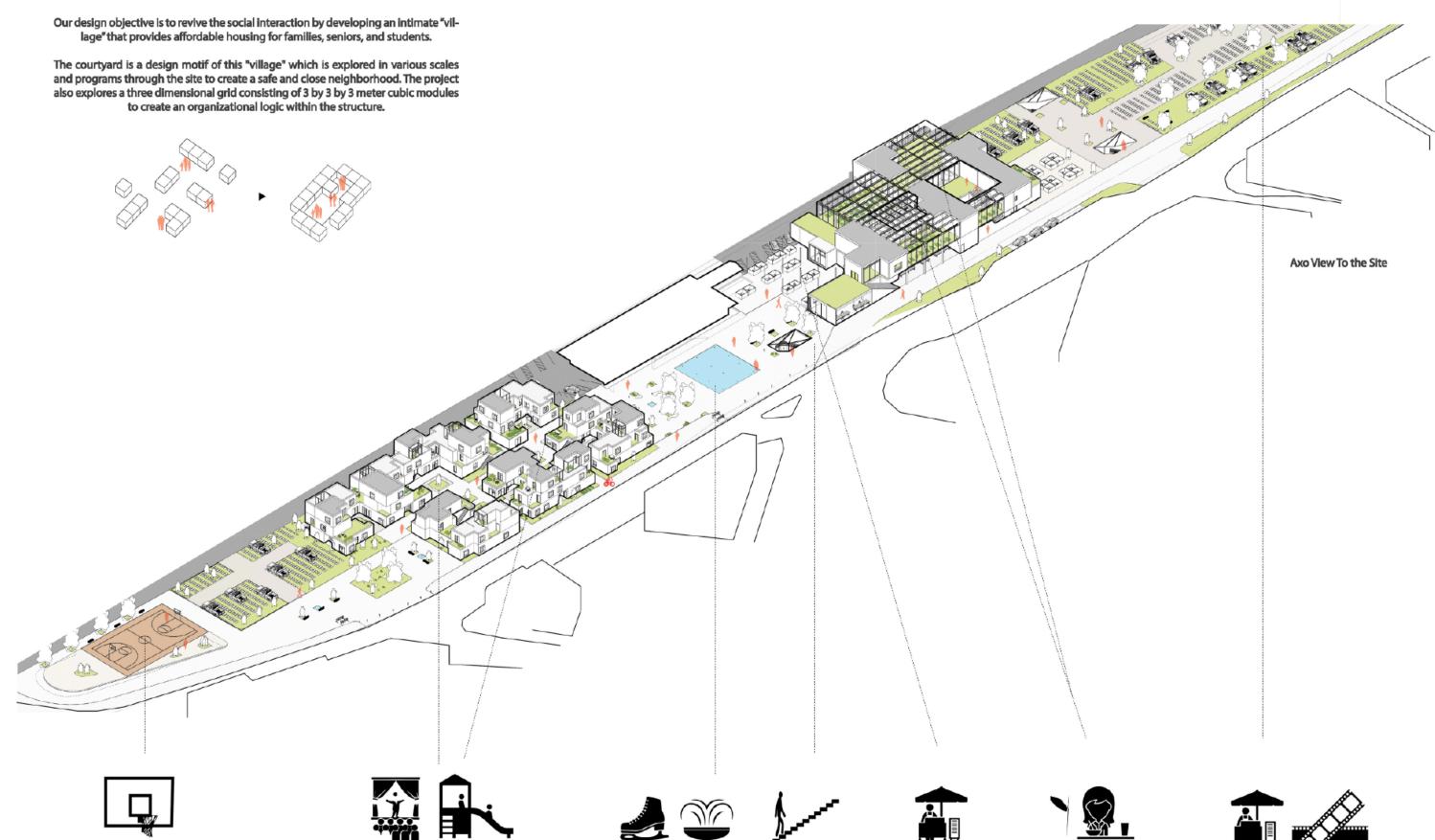
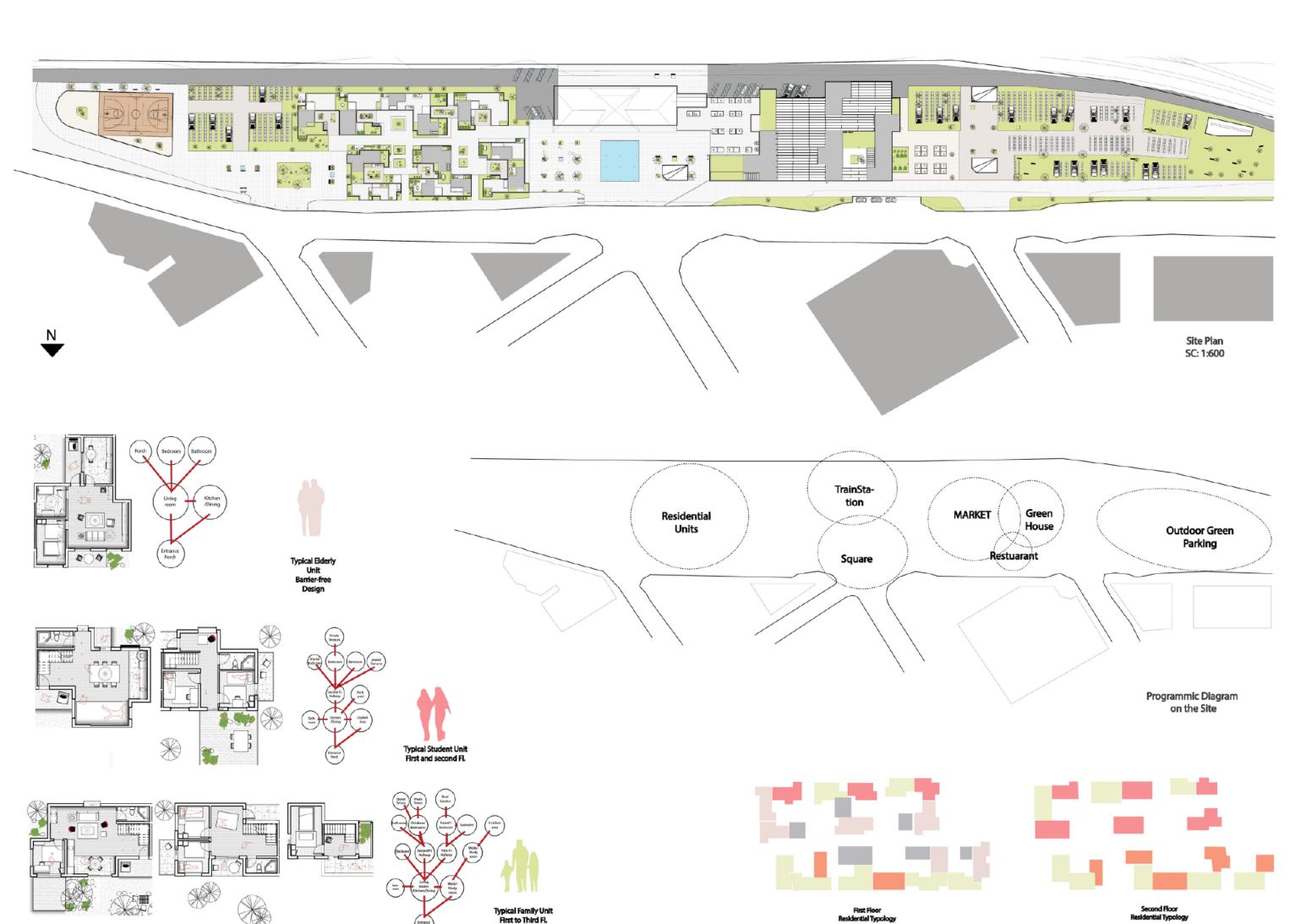
## **Courtyard Village**

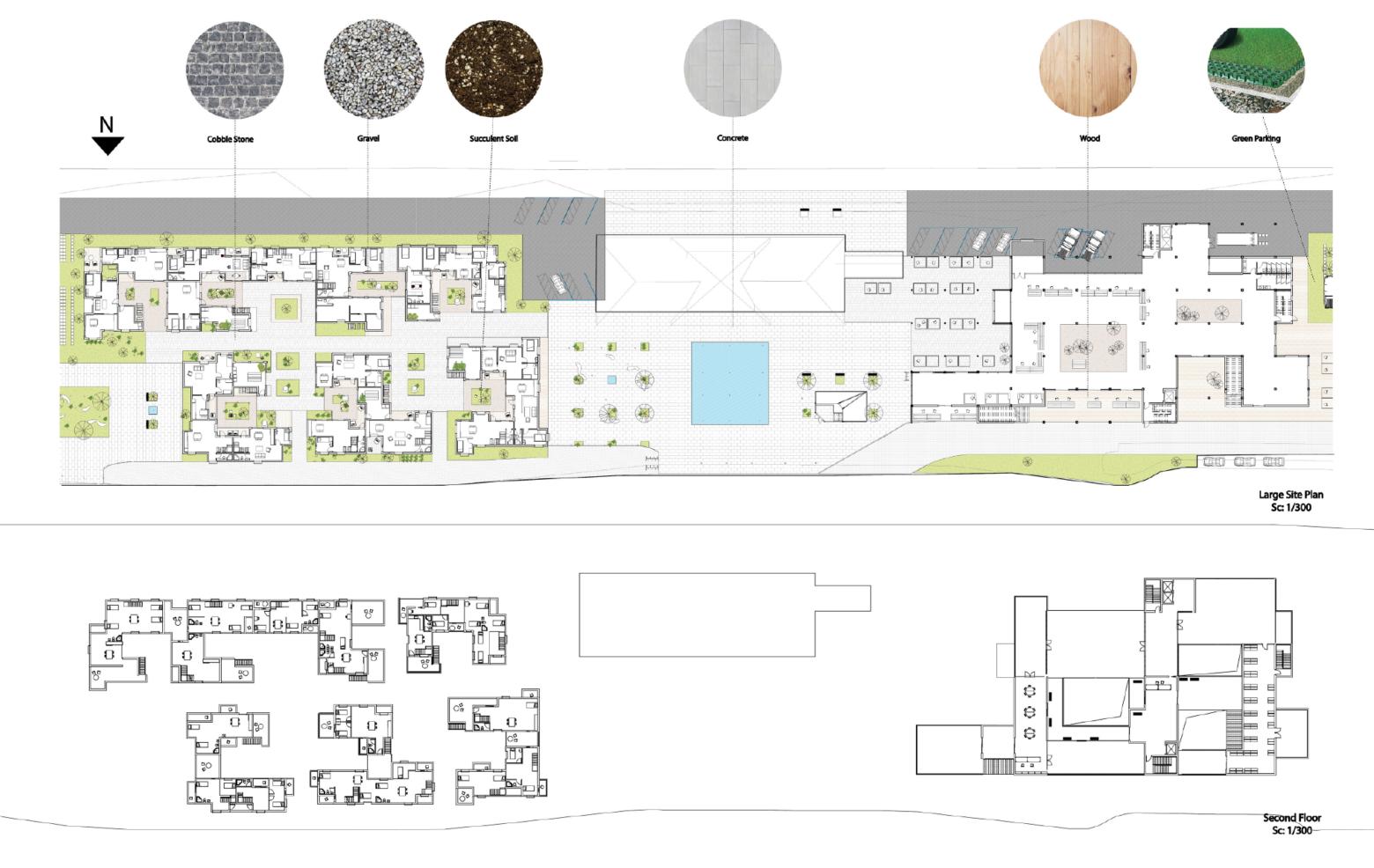
The mixed-use complex project aims to intensify and revitalize Sudbury's downtown core by developing a largely unbuilt parcel of land along the proposed Elgin Green-

From the intial observation and research, we have realized that the downtown sudbury has been facing a lack of sense of community and inclusive public space which leads it to a state of isolation. However, the site has the potential of providing an active communal space which could create a sense of belonging and safety for the citizens.

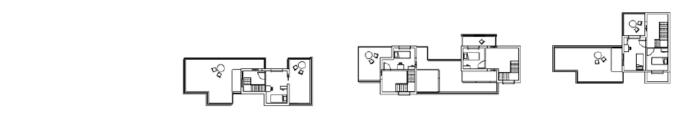












Third Floor ( Northern units)
Sc: 1/300

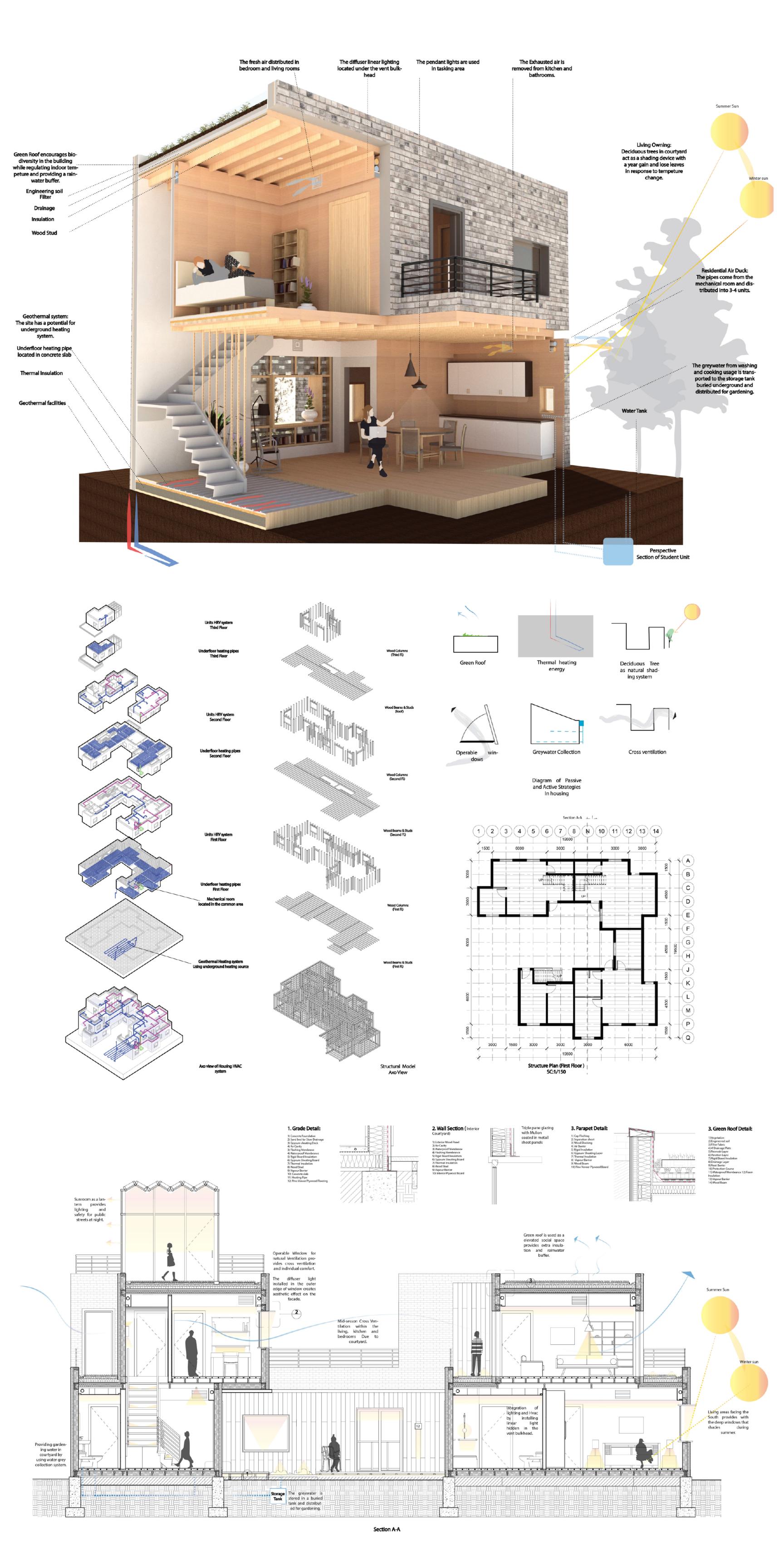
Third Floor ( Southern units)
Sc: 1/300



The View of Residential semi-public Courtyard



The View of Residential Private Courtyard





Zone 7 Zone 8 Zone 4 Zone 6 Zone 3 Zone 5 Zone 2

Zone 1



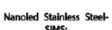
The pendant light fixtures are designed to provide task lighting for the spaces as well as intimacy by installed close to the human eye level.



Hidden lighting integrated with the vent bulkhead is designed to create a uniform lighting in every space while, in some cases, illuminating the path and creating atmosphere.



Diffuser light in the outer edge of window fram or inside the seating area in pop-out win-dows are designed to emphesize on the carved volume.



SIMS: The recessed spot is installed into the ground flush to the surface or in the wall. It is used to illuminate walking area, paths, stairs and hallways.

4000K ,CRI90, 950lm



Keglen-Louis Poulsen: The pendants with a built-in curved opal insert creates a glare-free downward light. It is used to create more intimate area with low color tempeture in kitchen and livingroom.

2700K CRI80

1190lm





Linear strip light with grazing effect, SIMS: The linear light hidden in the bulkhead vent, cabinets, shelves, and decks depending on the space creates a uniform, diffuse light . 3000/4000K ,CRI80, 750/3000lm

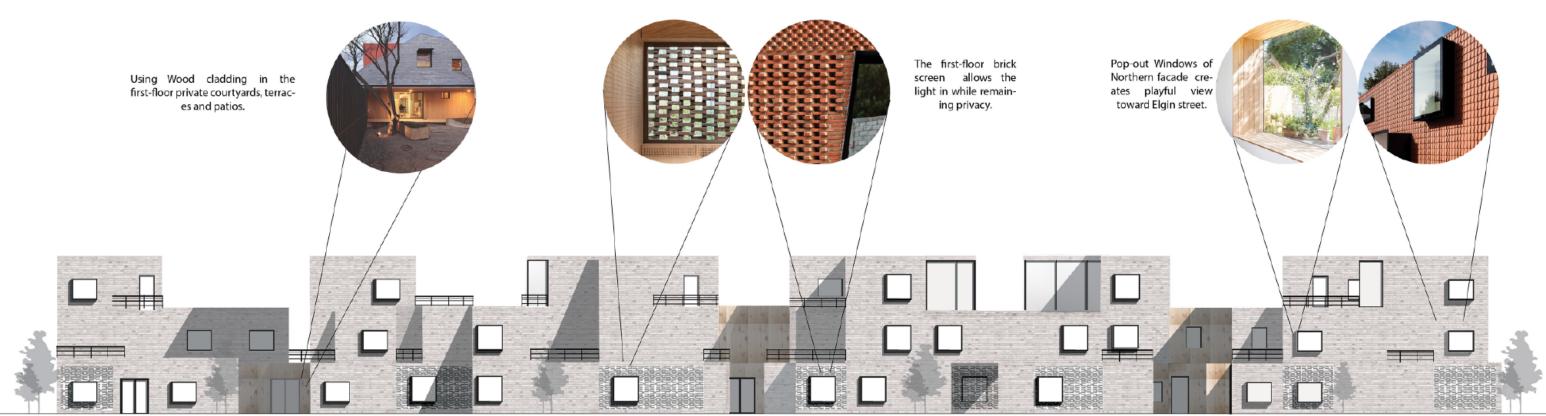


Shape-SIMS: The clear polycarbonate diffuser is installed in the outer edge of window to create uniform light and charming effects on the facade. This type can be used in both indoor and outdoor.

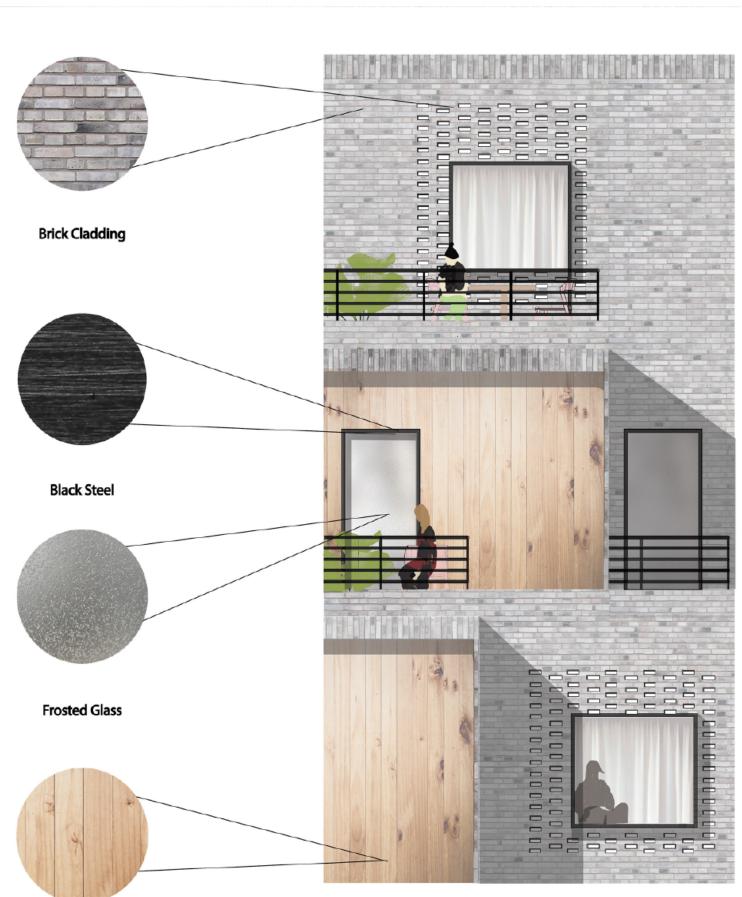
> 3000K CRI80 295lm



Lighting Study of a Typical Family Unit



Northern Elevation, Housing



Maple Wood Cladding

used as a passive strategy as well as the building enevelope's inhabitation.

Deep, large terraces create a strong connection between indoor and

outdoor spaces.

Brick facade cladding with Natural variation in grey tone colour allows for personalisation of urban de-

velopment.

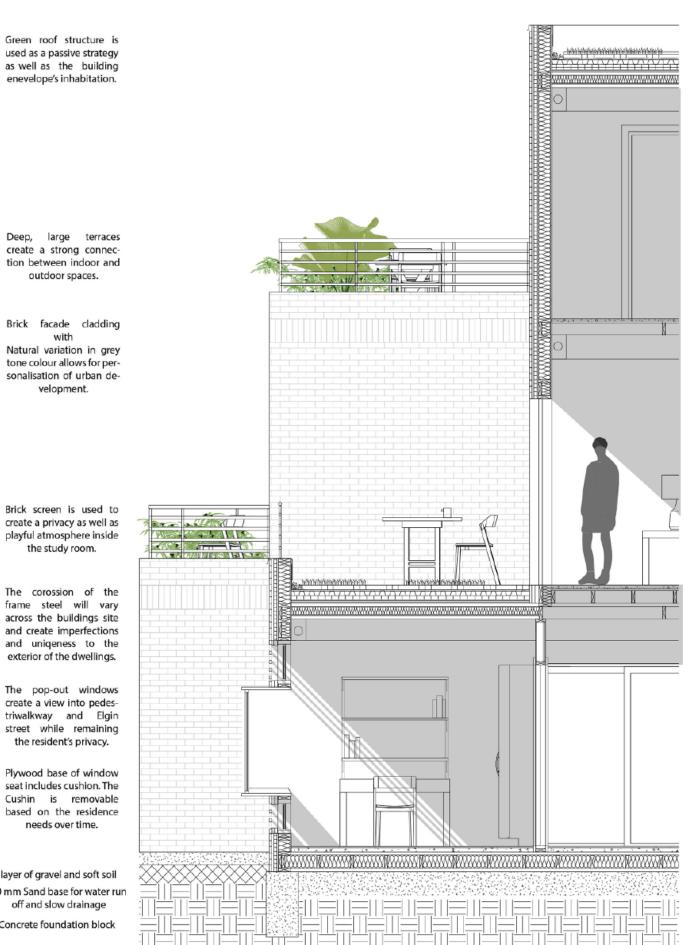
Brick screen is used to create a privacy as well as playful atmosphere inside the study room.

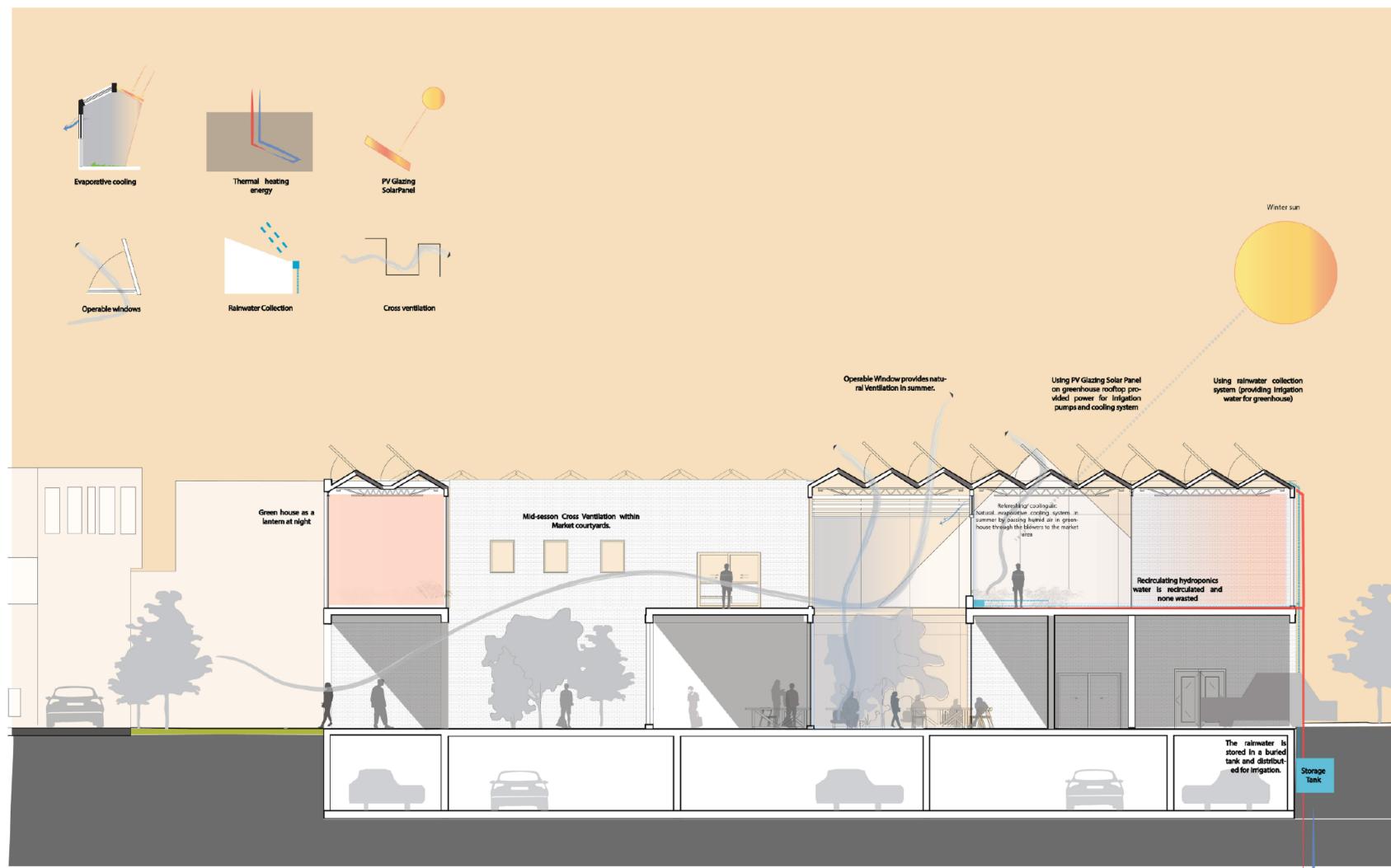
The corossion of the frame steel will vary across the buildings site and create imperfections and uniqeness to the exterior of the dwellings.

The pop-out windows create a view into pedestriwalkway and Elgin street while remaining the resident's privacy.

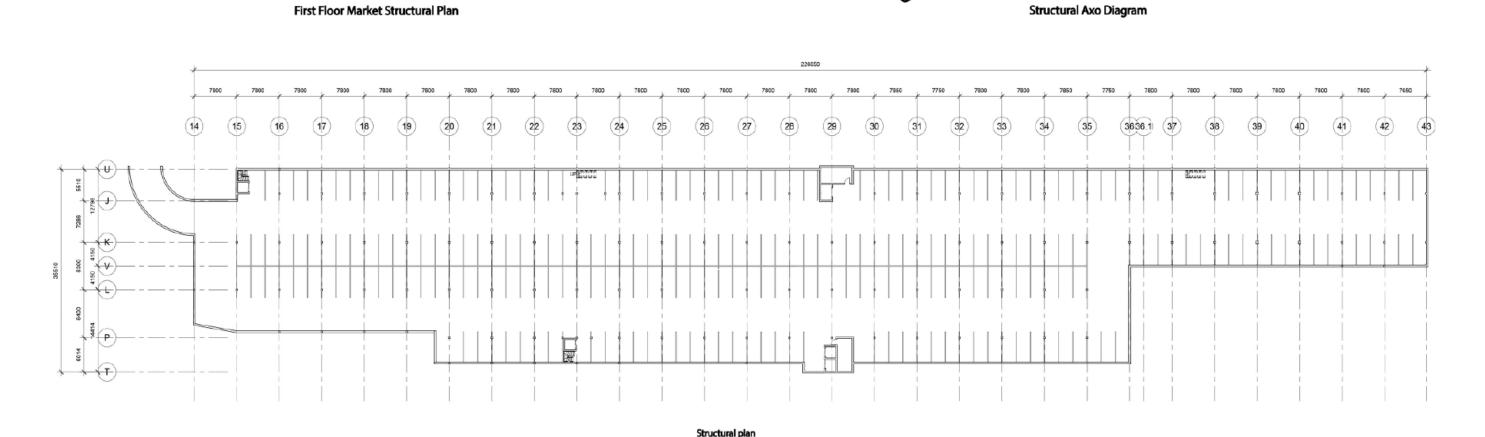
Plywood base of window seat includes cushion. The Cushin is removable based on the residence needs over time.

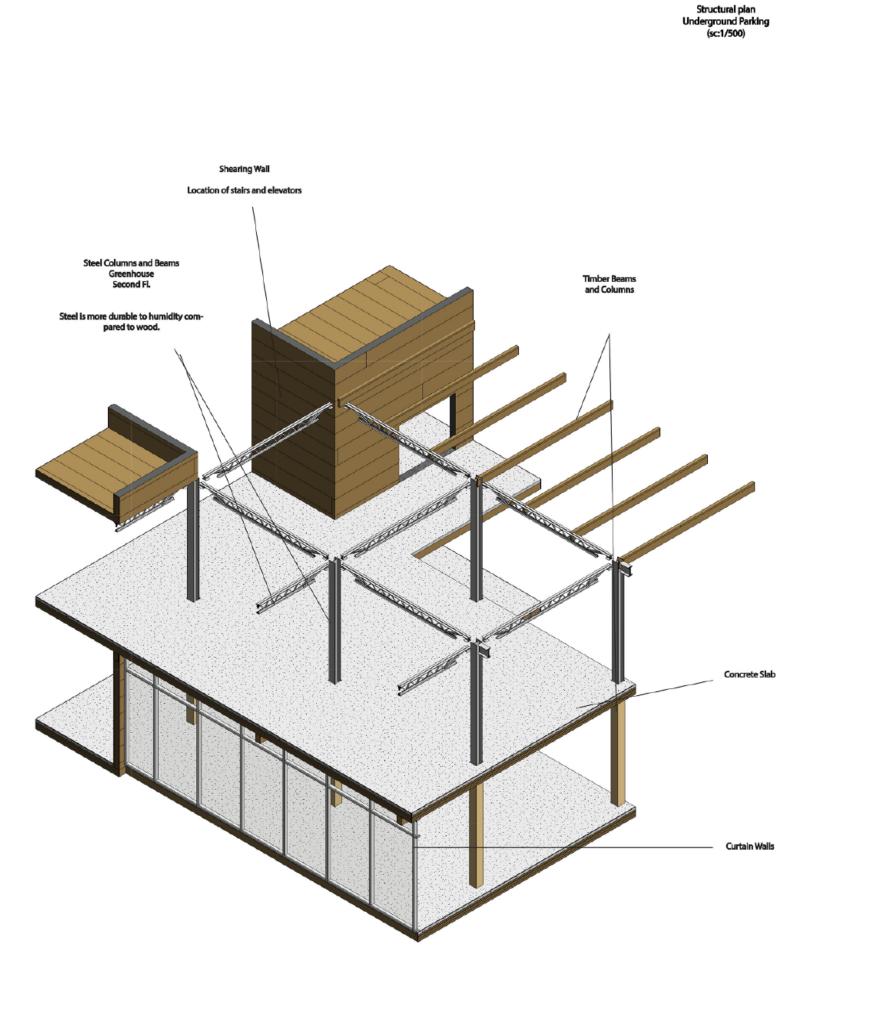
layer of gravel and soft soil 40 mm Sand base for water run off and slow drainage Concrete foundation block

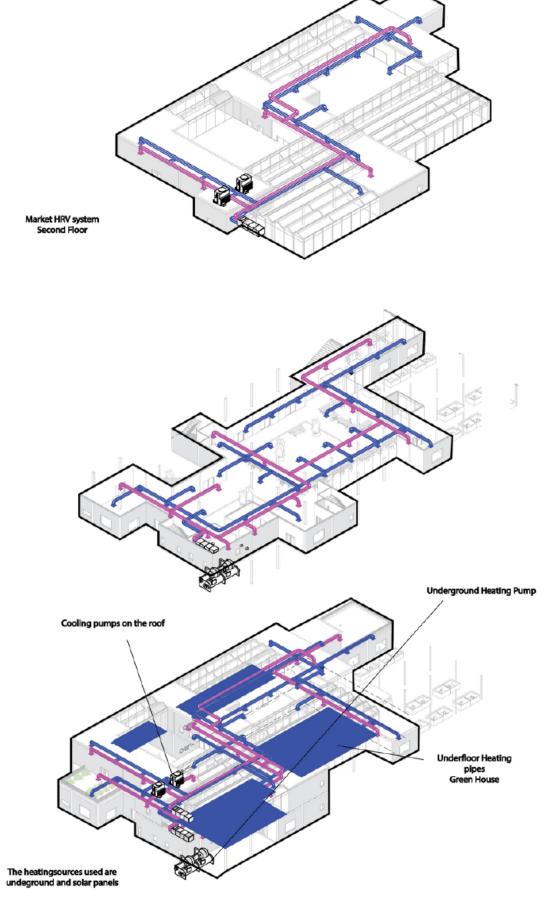




Using Thermal Heat-Ing System for green-house. Section B-B East-West Market Section Market Second Concrete Shearing Walls Floor Steel beams and columns Market First Timber beams and columns **Underground Parking** Concrete Columns Steel Beams .00.00 Market and Parking 15 by 15 Detailed Structural Model



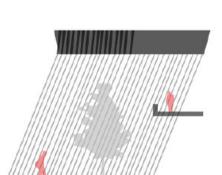


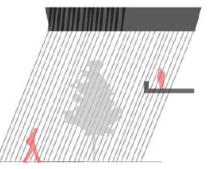


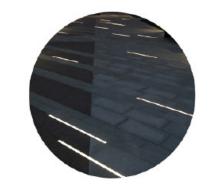




The Intention is to create a playful, engaging atmosphere in the interior market courtyard by bringing in a rythem of strip shadows. Inspiration design: Tianjin High-tech Zone First School by Ren June Studio







Integration of lighting with urban ground



Integration of lighting with urban furni-

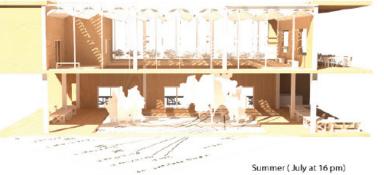


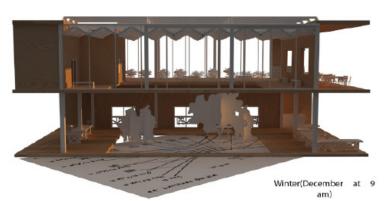
Creating ambient light for use of market space at night

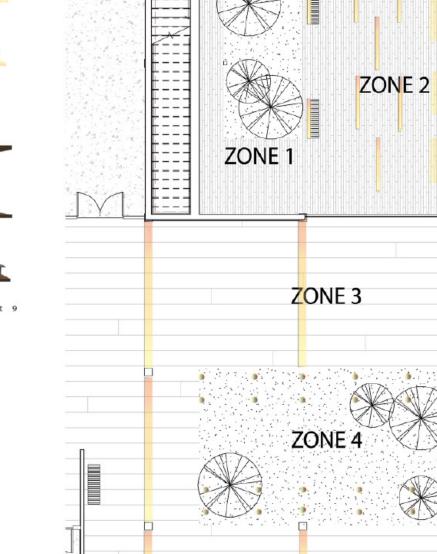


Winter ( December at 16 pm)









## Empty Lamp, Vibia:

The Empty outdoor lighting integrates light within a single piece of urban furniture.

2 × LED STRIP 24V 8,6W LED 3550K CRI >70 1247 lm 73 lm/W

## Trif Lane , Kuba :

installed in the paving of the courtyard, light strips are arranged in different lengths. Welcoming with a warm light

## Nano Spots-SIMS:

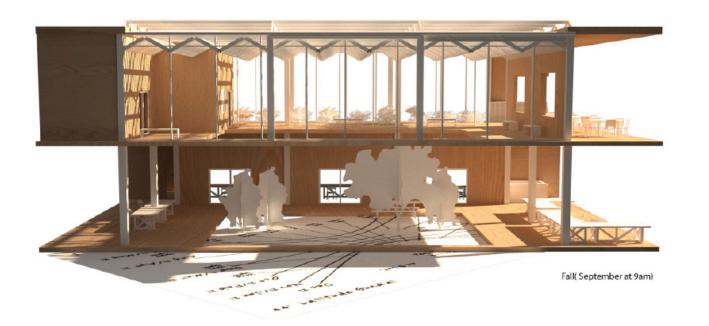
The LED Focal lights is installed in the outer edge of skylight of courtyard. 3000K CRI >80 2274.17 lm 98.87 lm/W



Linear LED lighting for ceil-ings – Gustafs D-Line: The integrated linear lighting with timber beams to provide









Cladding Wood



Using frosted glass on second floor facade



Using wood screen around the openings to create interactive facade for visitors as well as allowing the light in The wood pattern mimicing the form of brick



Market Northern Facade