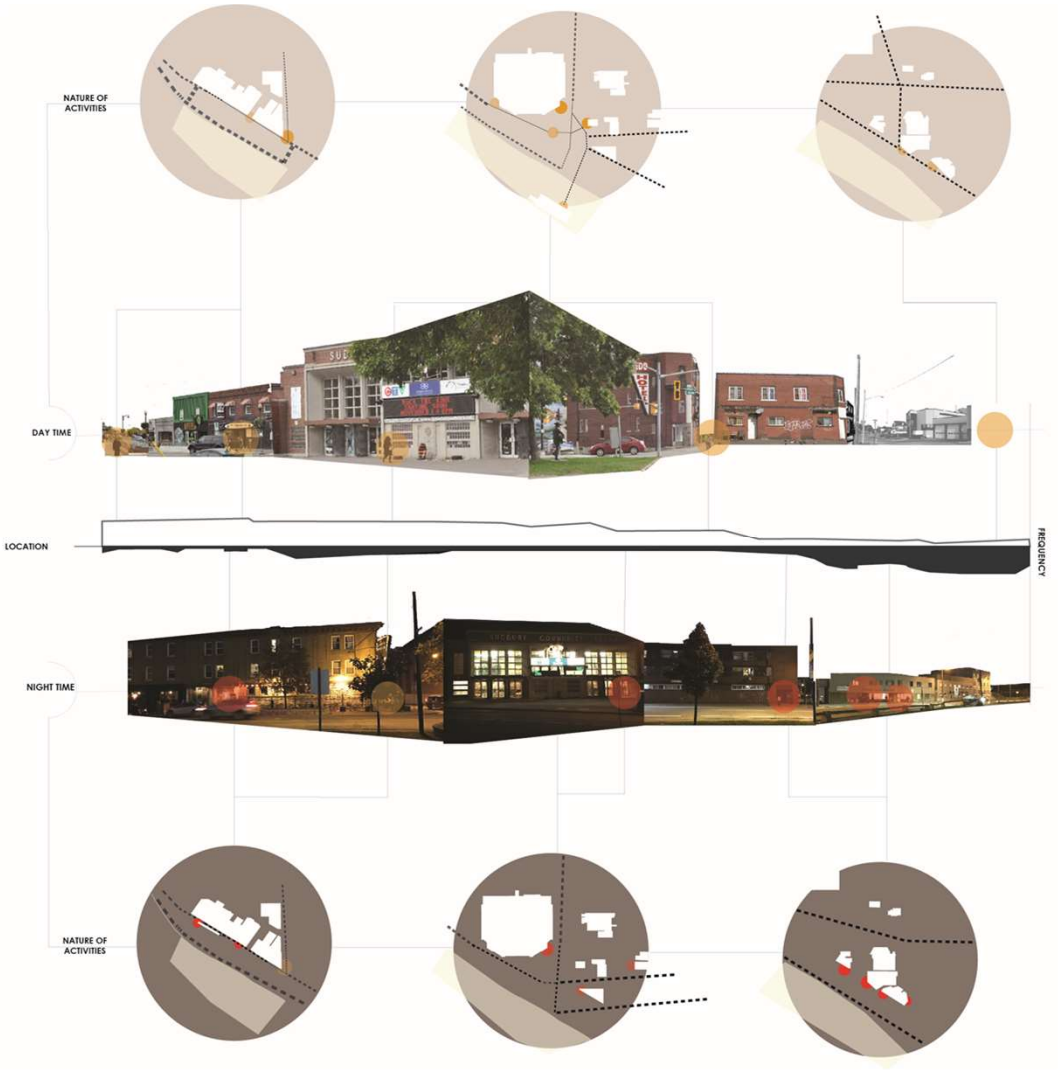
Housing Project

Assignment 2c

Saman Soltani
Shenglan Shi

Temporal Activities



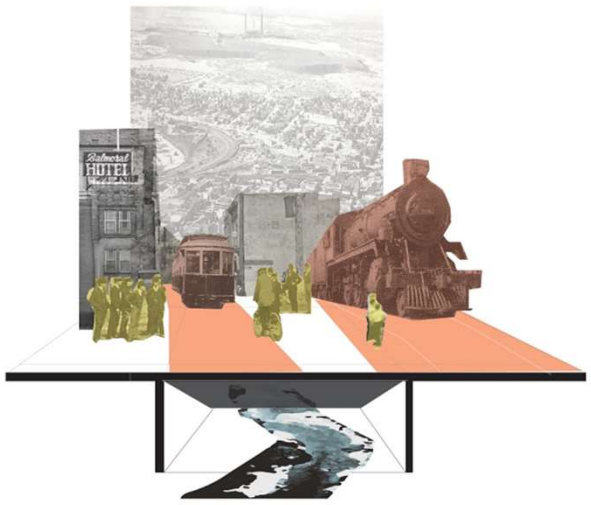
TEMPO OF DYNAMIC ACTIVITIES

DURATION OF NEGETIVE STATIC ACTIVITIES

DURATION OF POSITIVE STATIC ACTIVITIES

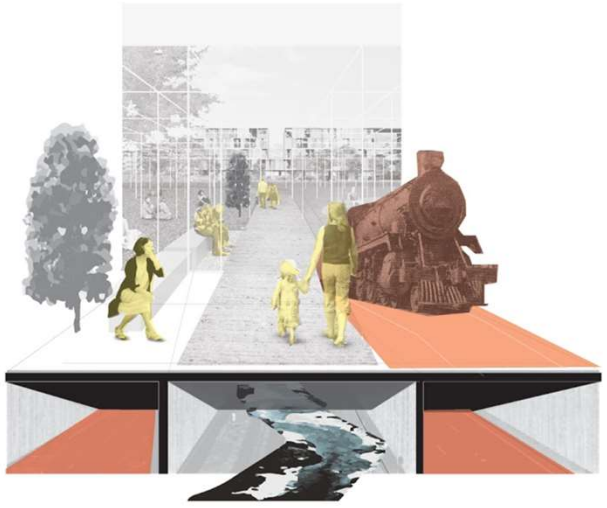
Site Analysis

Citizen vs. Vehicle



What we left in the past

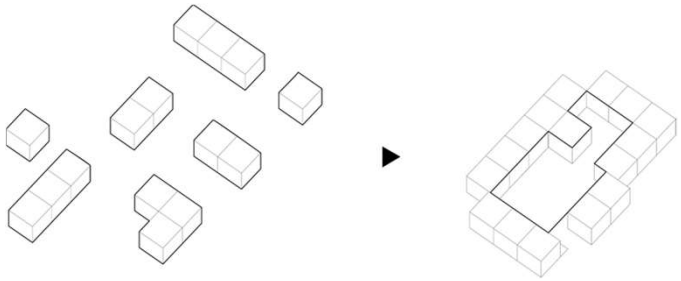
What we have now

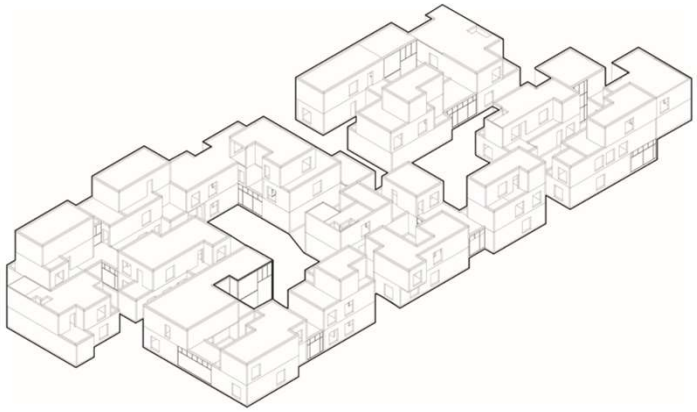


What we could have

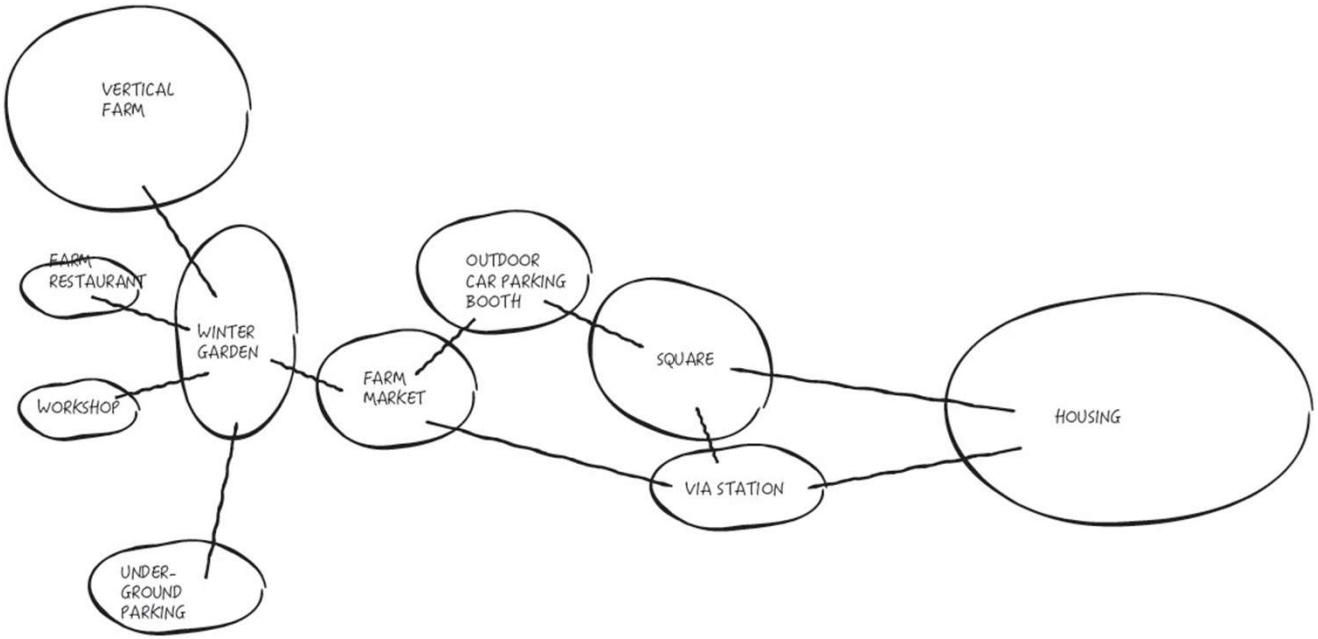
Site Analysis

Today, the great Sudbury is facing a big challenge from city's vehicles and negative street activities that make a sense of alienation and non-belonging to city residents everyday. In order to further solve this problem, the main idea of this design is to create an intimate village atmosphere by constructing different scales and functional courtyards in different programs to help bring back friendly and close public community relationships in urban life.

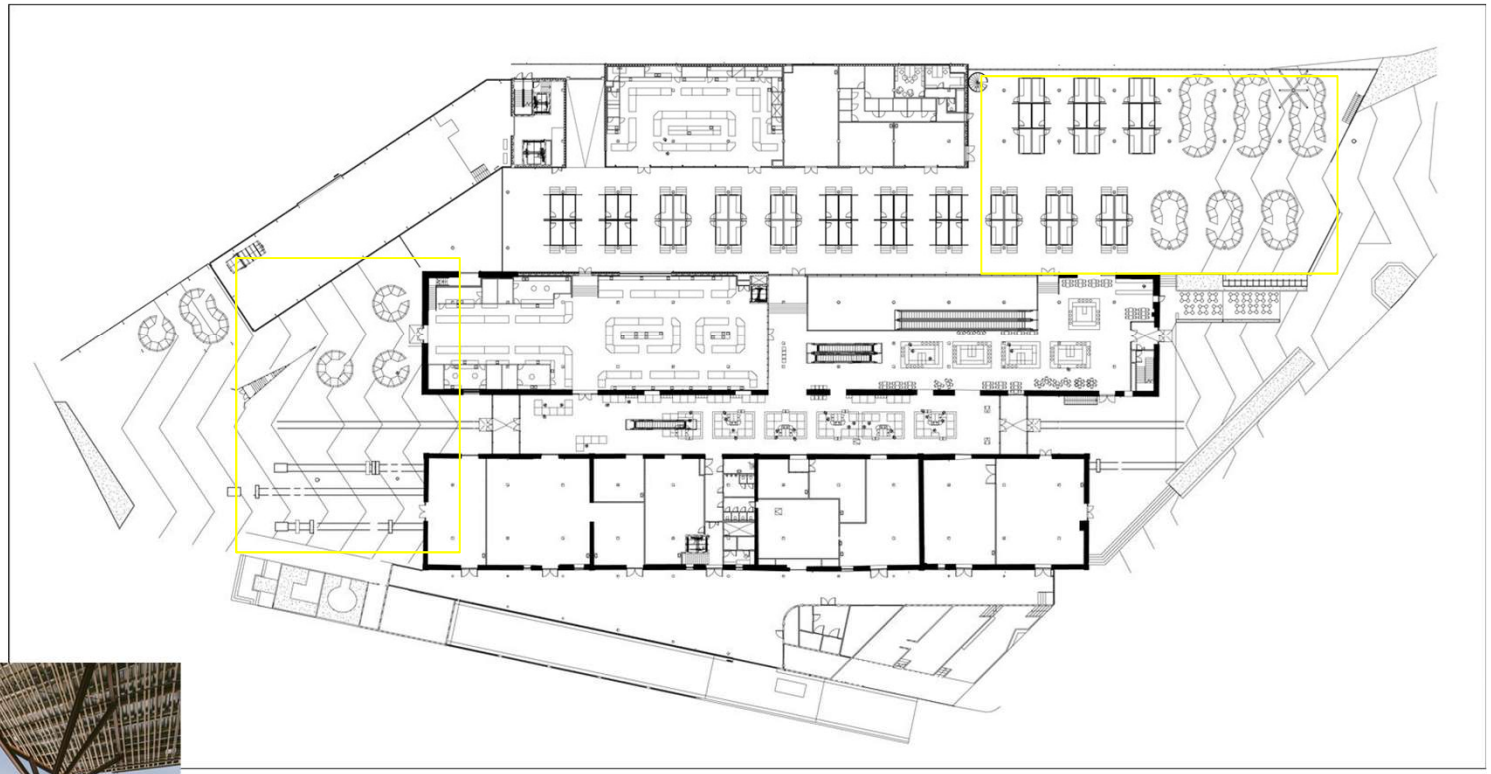


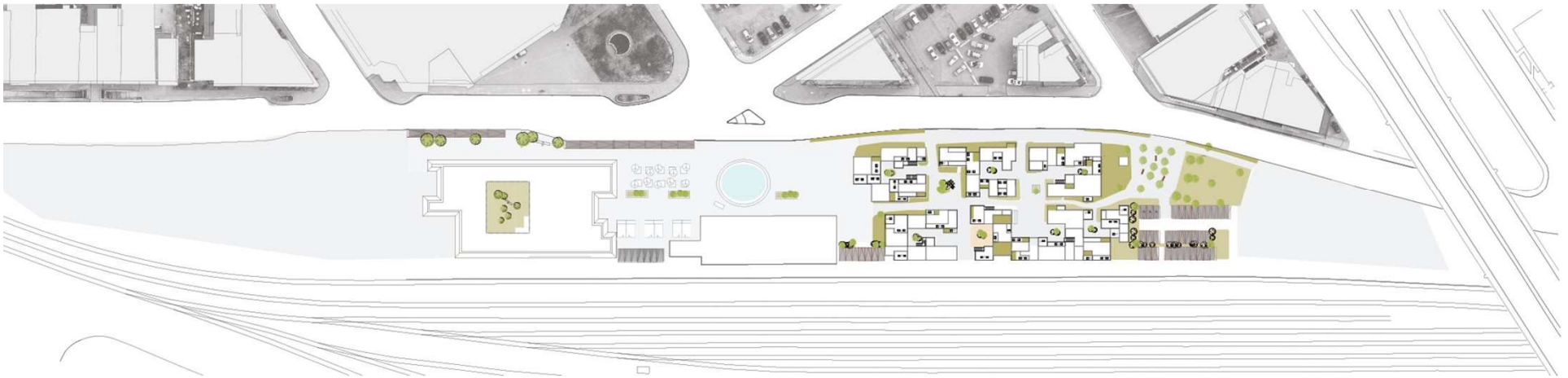


Concept



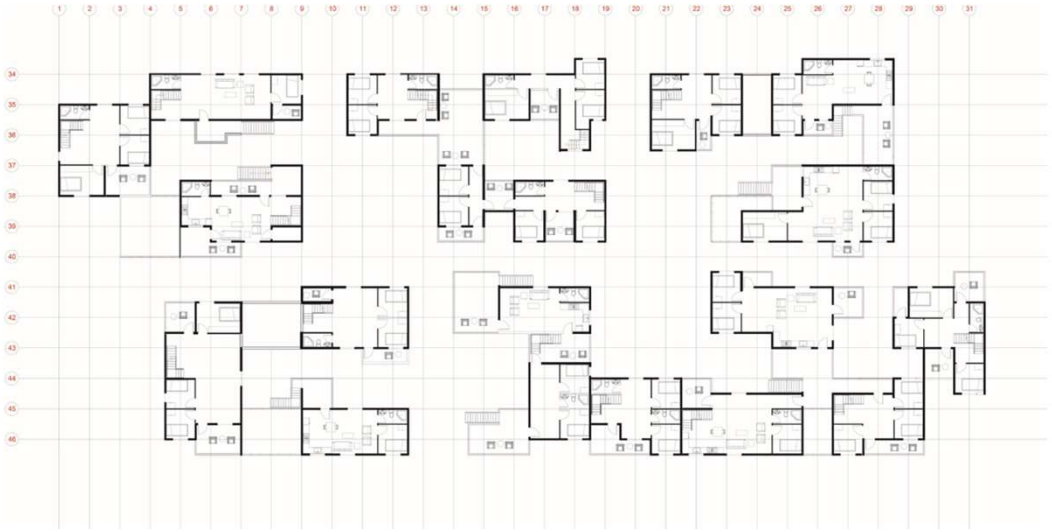
Site Diagram



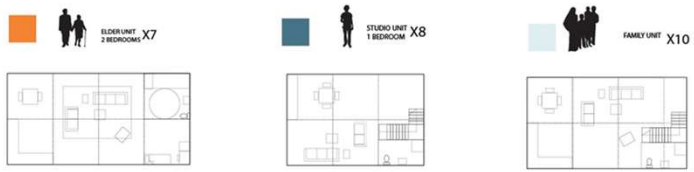


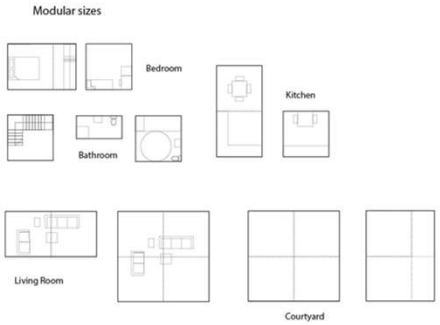
Urban Design

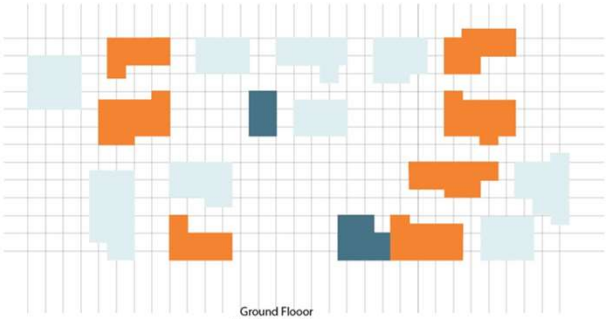
Urban Design

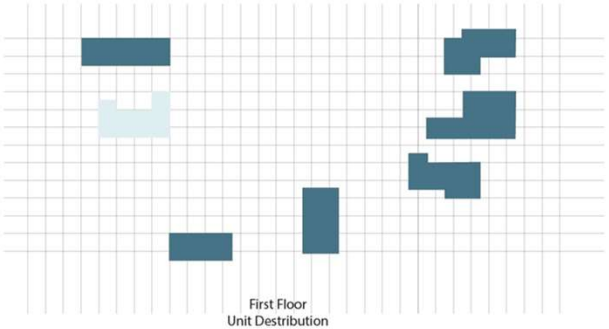


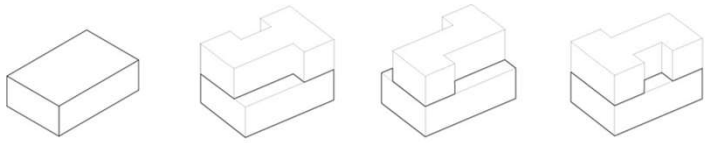
Floor Plans (Housing)





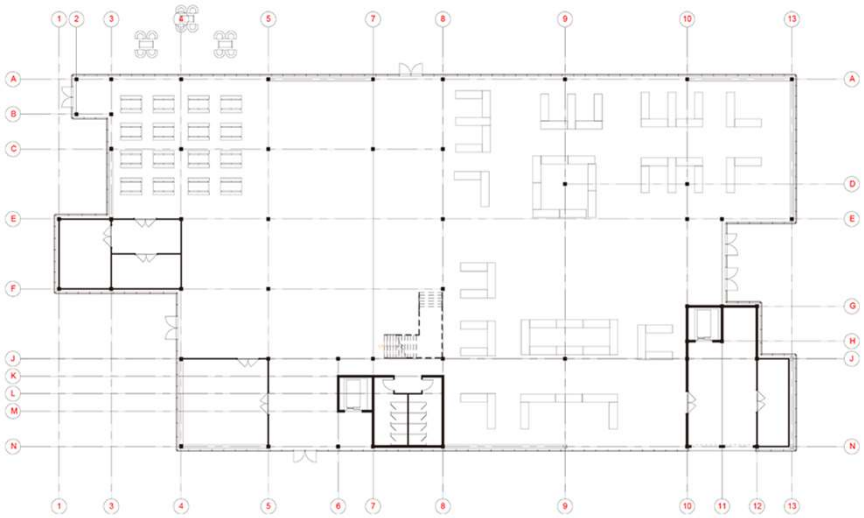


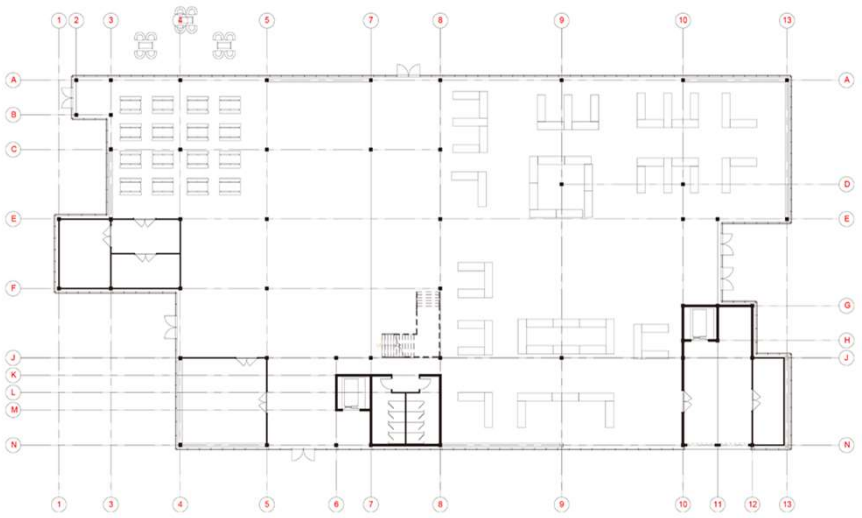




The Process of the unit design

Unit Distribution

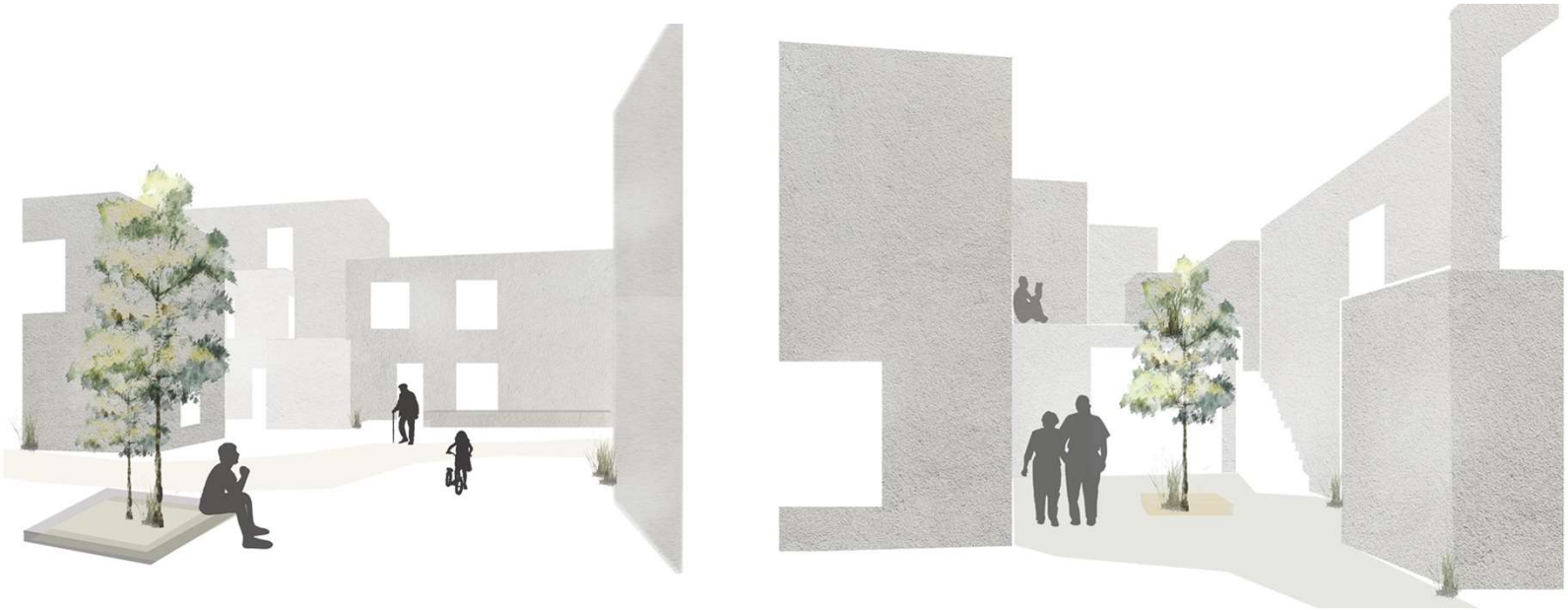




Floor Plans (Market)

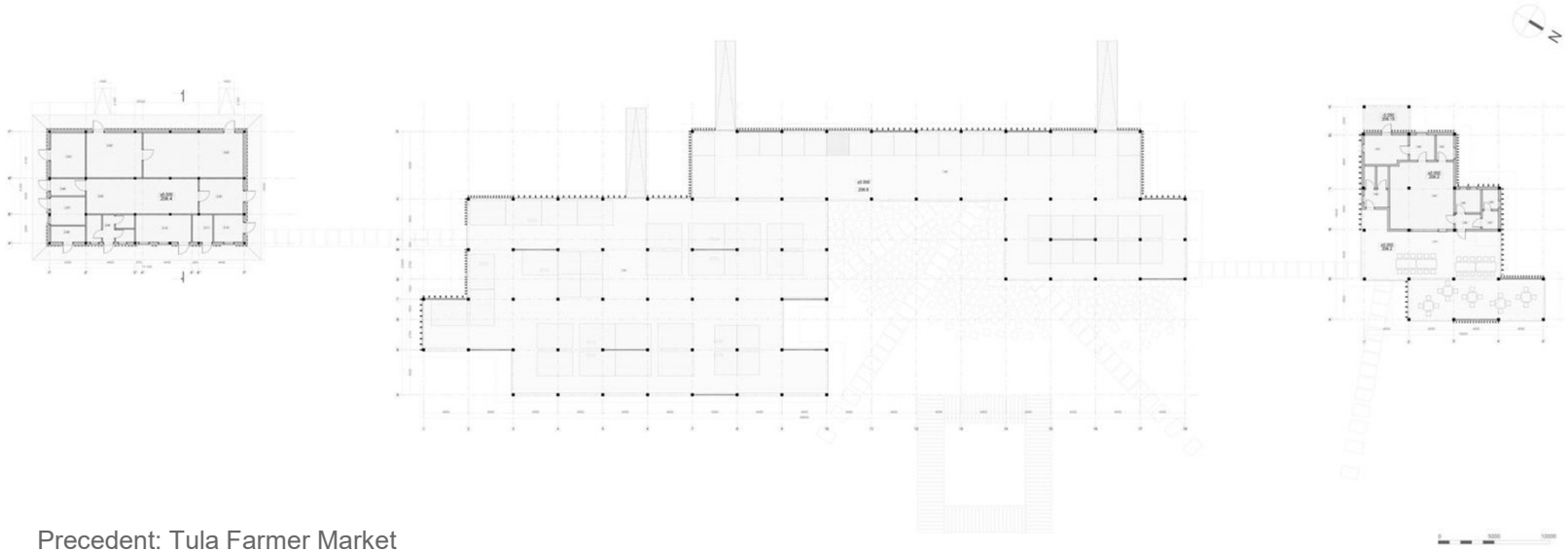
Section

Section



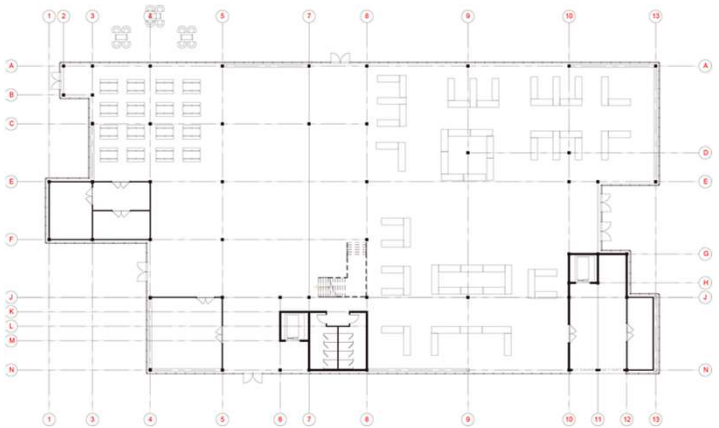
Perspective (Courtyard)

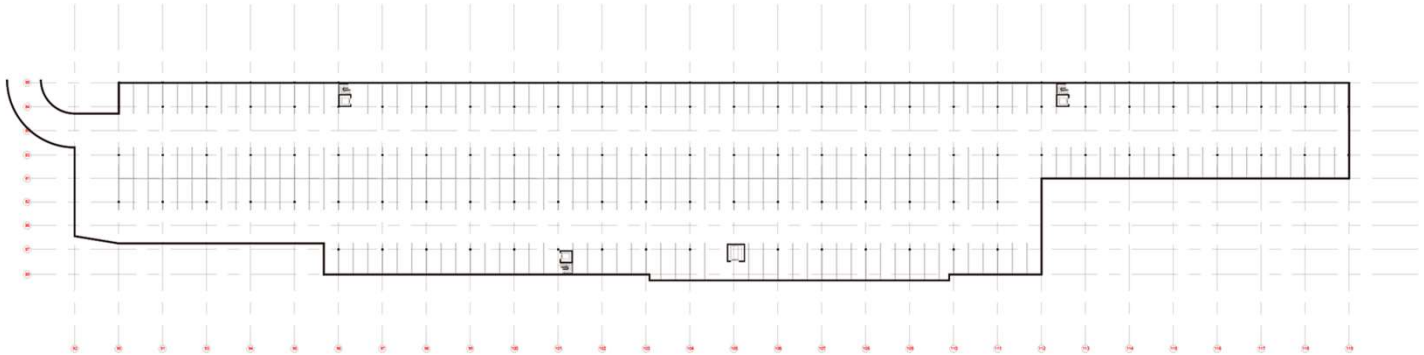
Perspective (Courtyard)



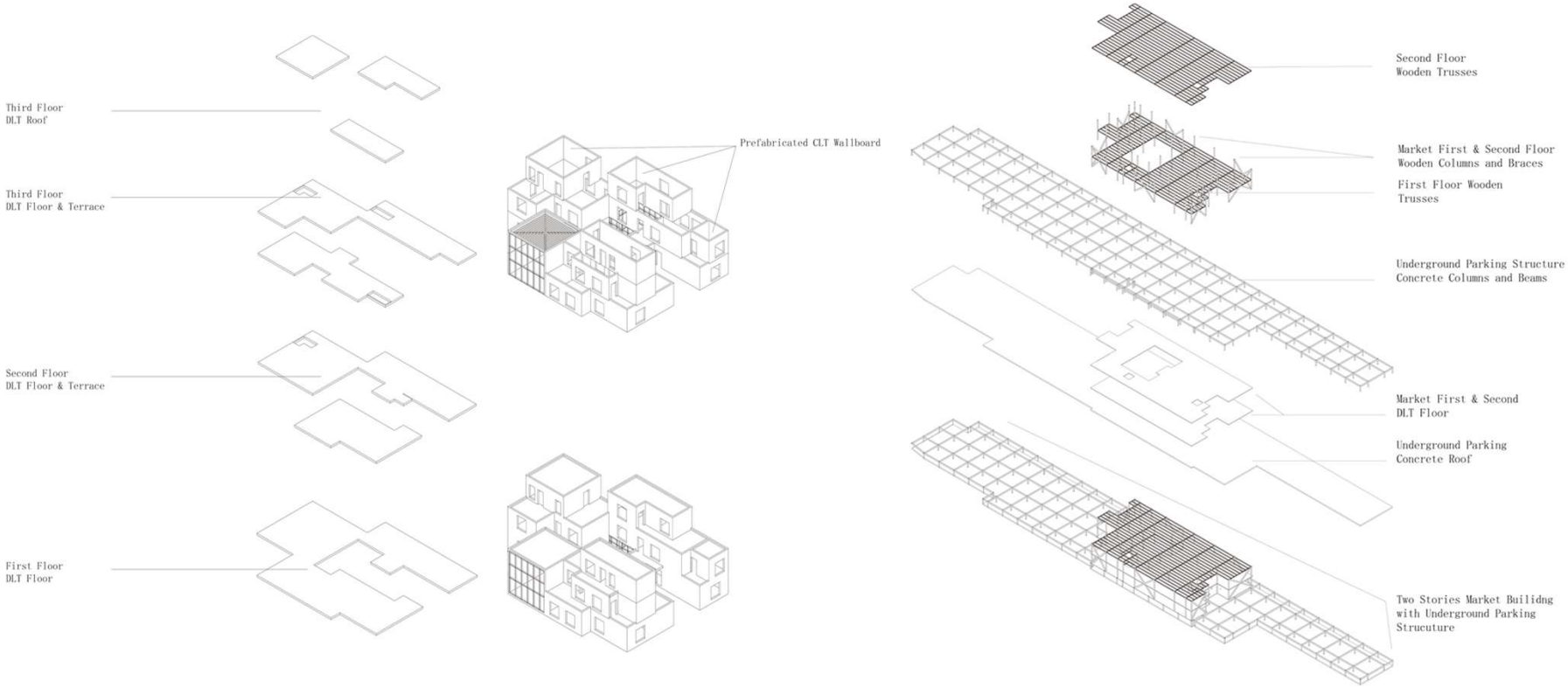
Precedent: Tula Farmer Market

Structure



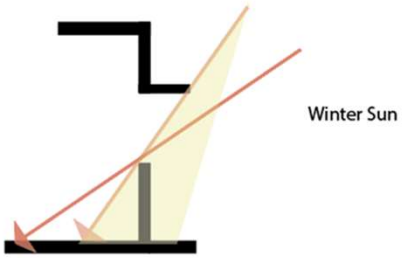


Structure

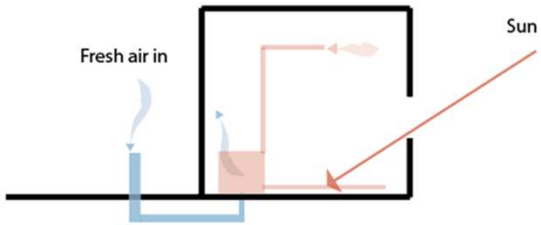

Third Floor
DLT Roof
Third Floor
DLT Floor & Terrace
Second Floor
DLT Floor & Terrace
First Floor
DLT Floor
Prefabricated CLT Wallboard
Second Floor
Wooden Trusses
Market First & Second Floor
Wooden Columns and Braces
First Floor Wooden
Trusses
Underground Parking Structure
Concrete Columns and Beams
Market First & Second
DLT Floor
Underground Parking
Concrete Roof
Two Stories Market Builidng
with Underground Parking
Strucuture

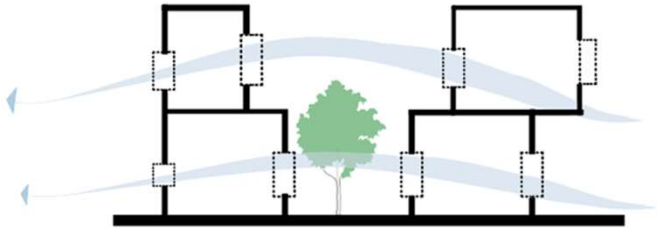
Structure

Shading Device

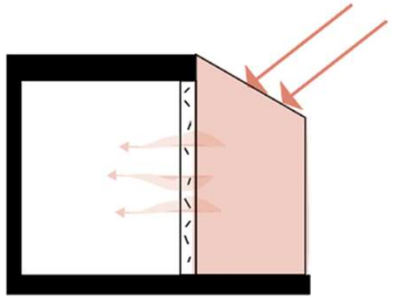


Passive Heating Strategy
using heat recovery system through
ventalation system

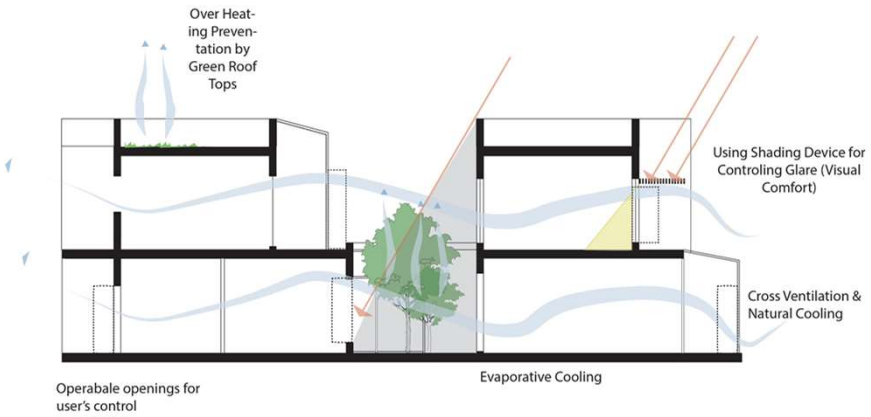




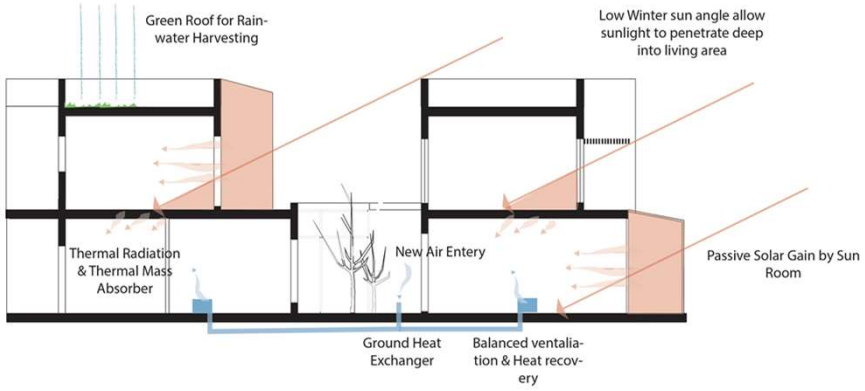
Cross Ventalation



Sun Room

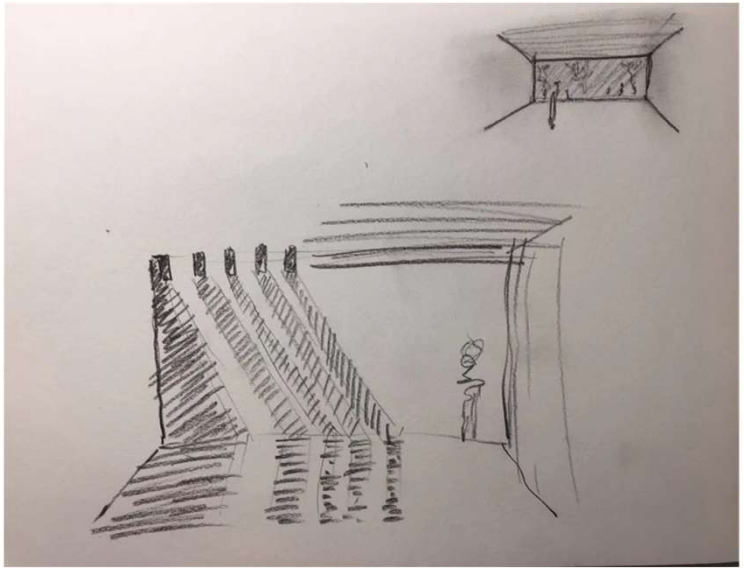


Summer Senario

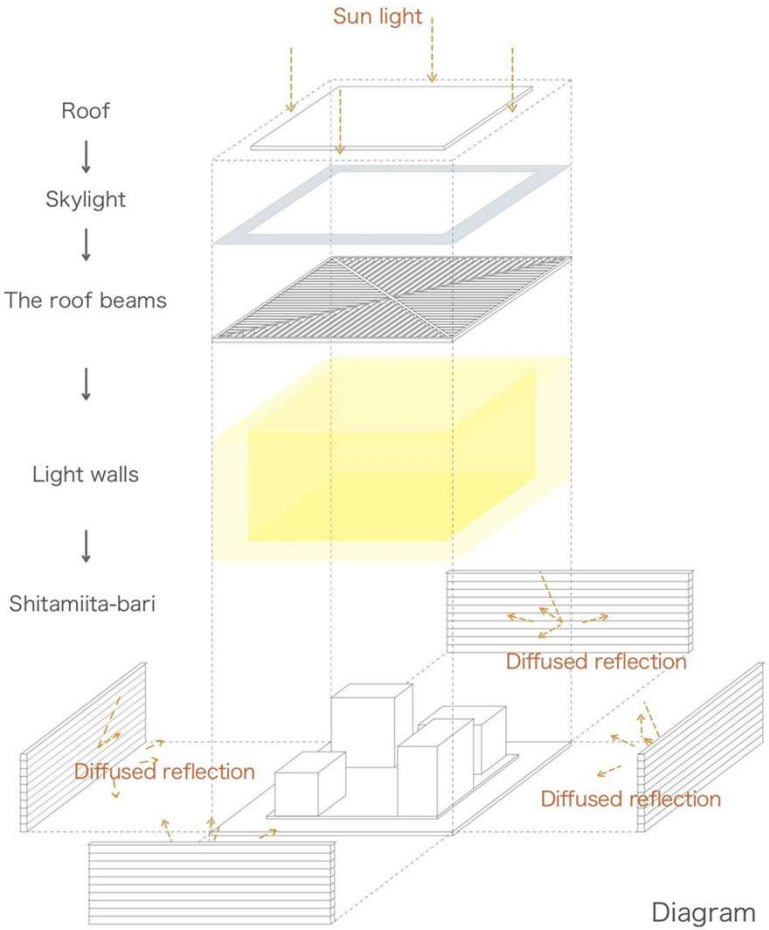


Winter Senario

Passive Strategy



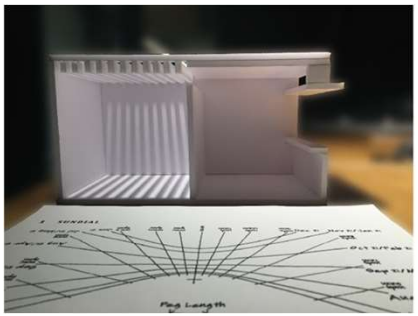
Light Study

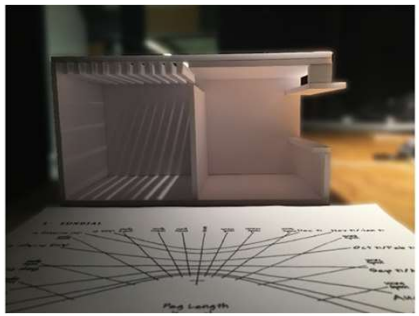


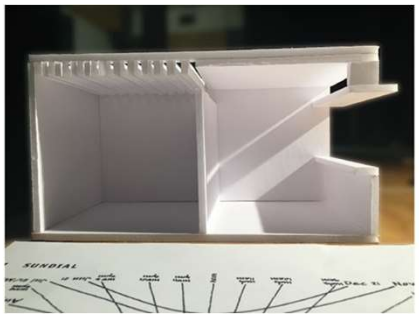
Diagram

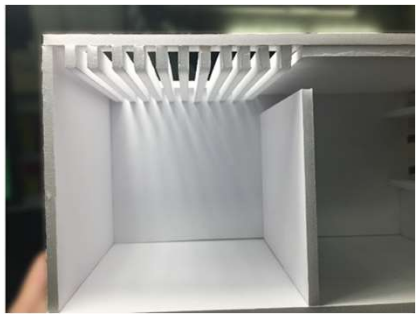
Light wall
House

Light Study









Light Study

Bibliography

Maggiora, Martita Vial della. "Tula Farmers Market / 8 Lines". *Archdaily*, 2019. https://www.archdaily.com/921148/tula-farmers-market-project-group-8-lines?ad_source=search&ad_medium=search_result_all.

Ma style Architects,Light wall house,Archdaily, 2019. https://www.archdaily.com/433260/light-walls-house-ma-style-architects

Tallinn, Estonia. "Baltic Station Market / KOKO Architects". *Archdaily*, 2017. https://www.archdaily.com/881525/baltic-station-market-koko-architects?ad_source=search&ad_medium=search_result_all.