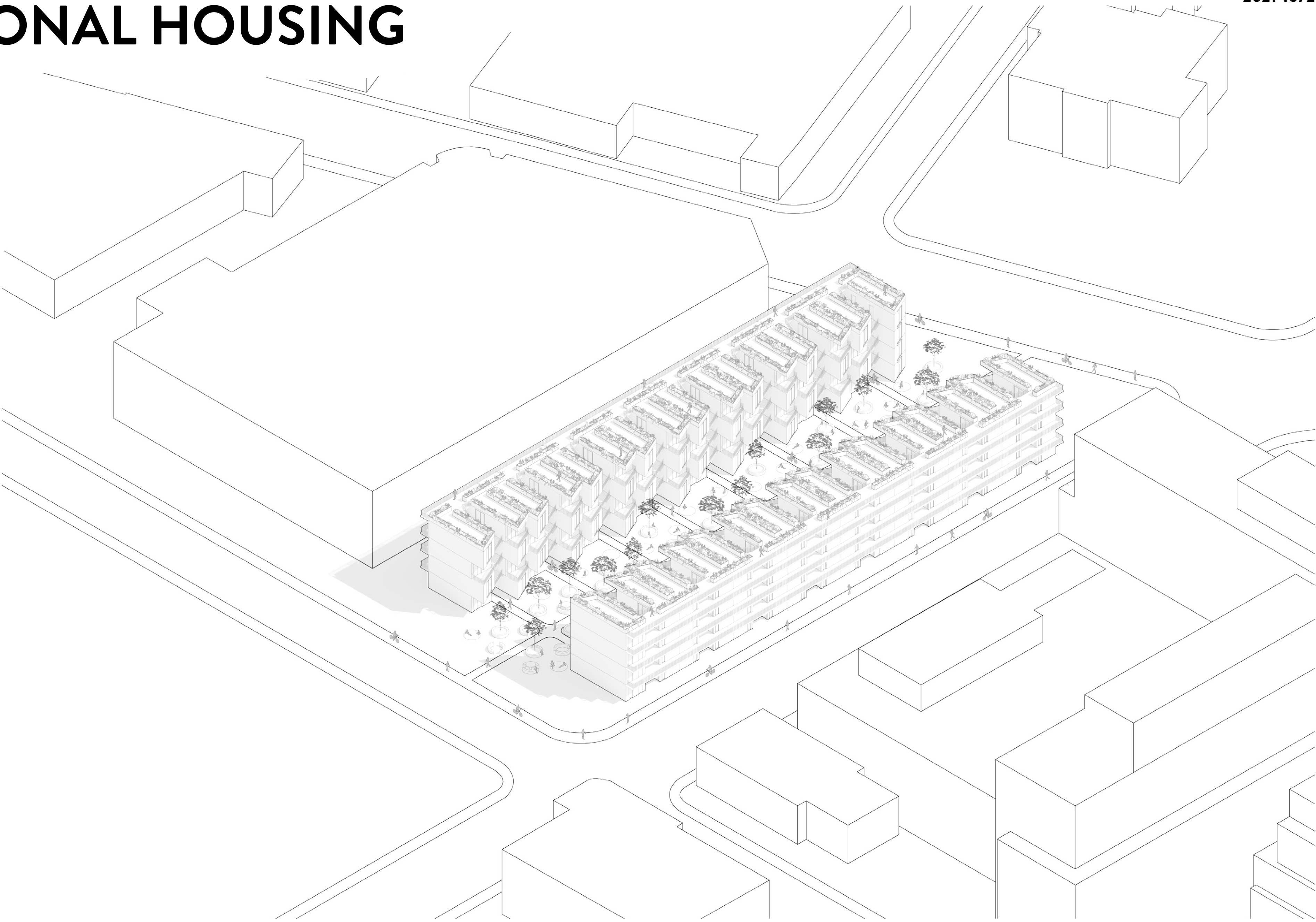
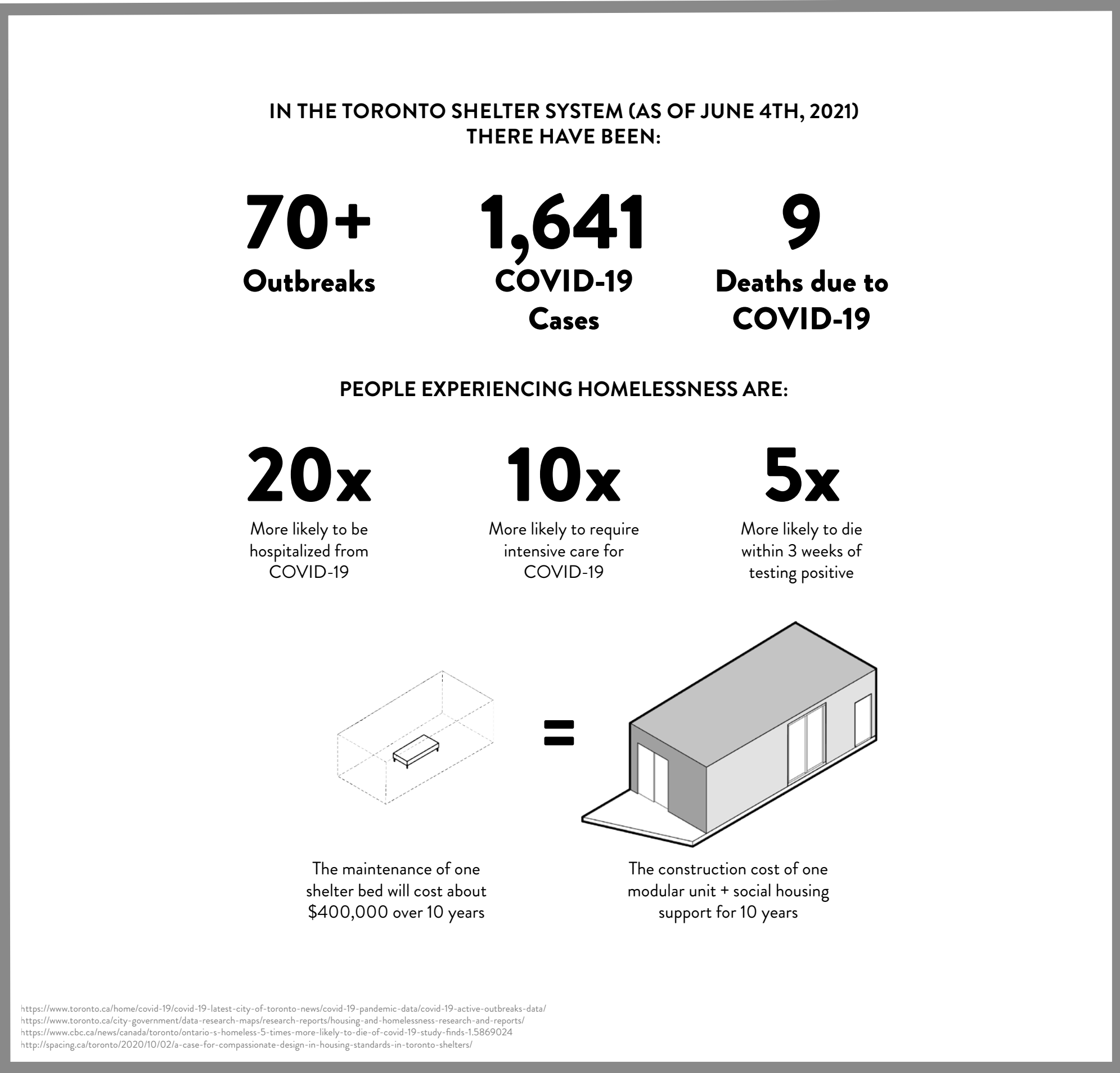
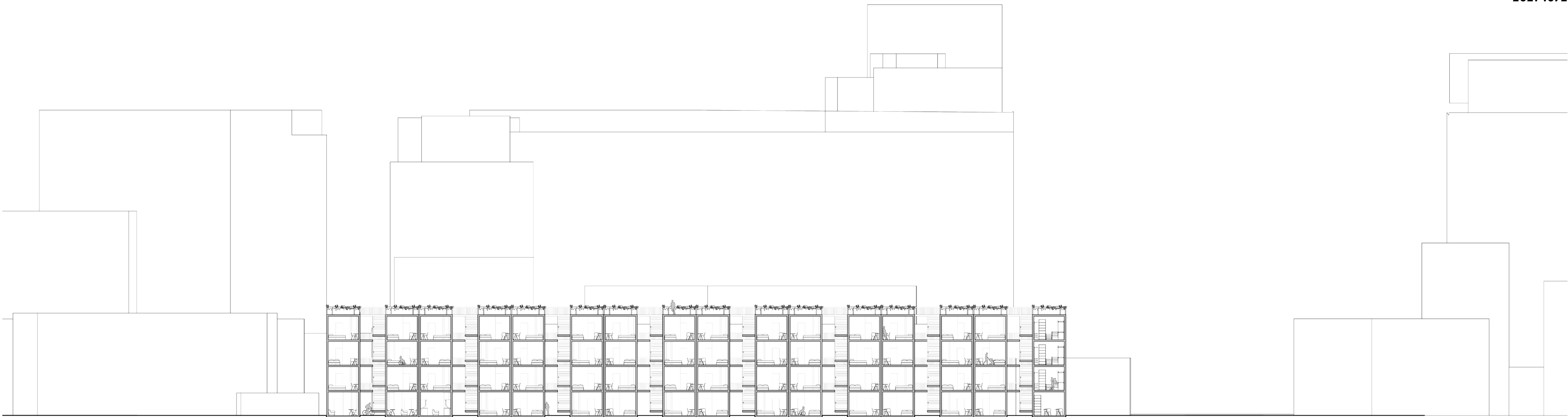


WEST DON LANDS TRANSITIONAL HOUSING

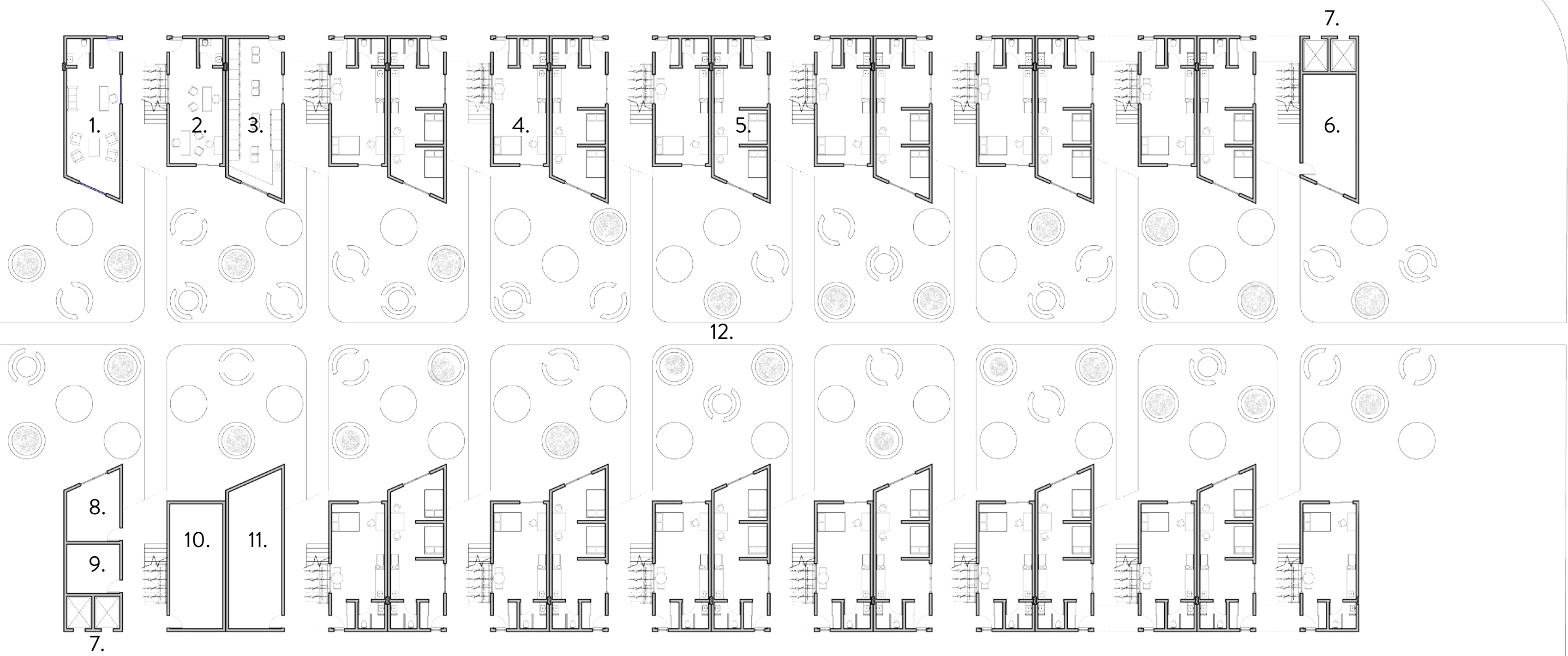
Throughout the course of the pandemic, there has been an observable increase in homelessness throughout Toronto. This project proposes a Transitional Housing design for the West Don Lands neighbourhood. This facility is targeted towards individuals and families looking for short-term housing. This population includes but is not limited to homeless adults, women and children from abusive households, or individuals who have lost their homes due to COVID-19. Using off-site construction for each unit allows us to take advantage of the economy of scale and spend more into designing better amenities for the residents.

Prefabricated architecture allows the design to achieve modularity, thus simplifying the construction process and tackling the concept of affordability. An architectural means of covid-safety is studied by increasing circulation space and avoiding tenant interactions. A spacious clearing on the ground floor, accessible both to residents and the public, acts as a flexible space of gathering that can be repurposed for different program requirements. Through the modularization of the units, equitable spaces are created for those in vulnerable circumstances during the pandemic with efficiency.





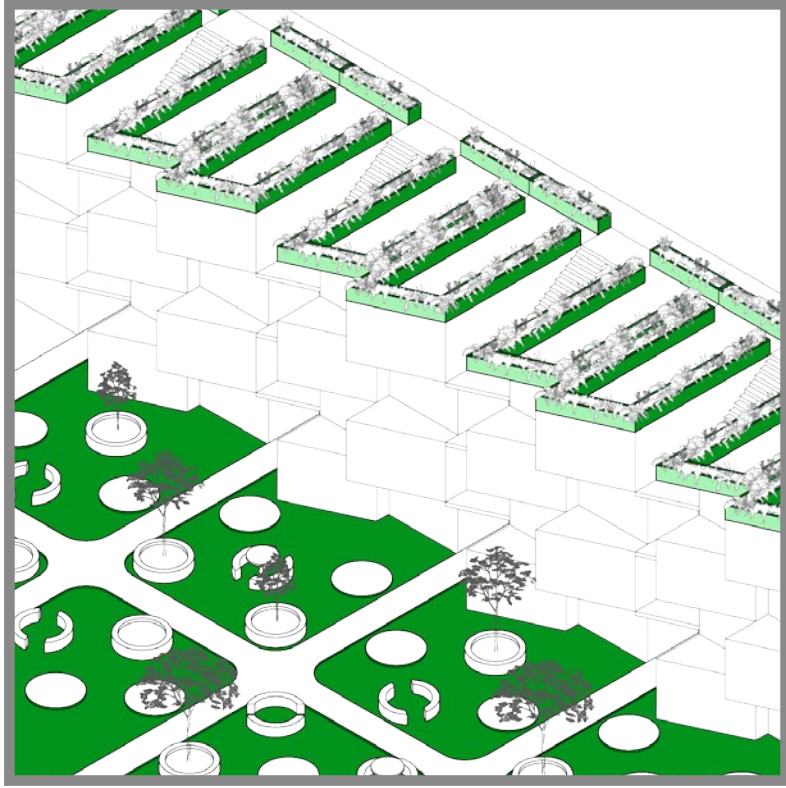
GROUND FLOOR PLAN



- 1. Reception Area
- 2. Administrative Office Space
- 3. Laundry Room
- 4. One-bedroom Layout
- 5. Two-bedroom Layout
- 6. Rentable Space (for vaccine distribution, testing, workshops, etc)
- 7. Elevator
- 8. Storage
- 9. Utility Room
- 10. Mechanical Room
- 11. Boiler Room
- 12. Courtyard

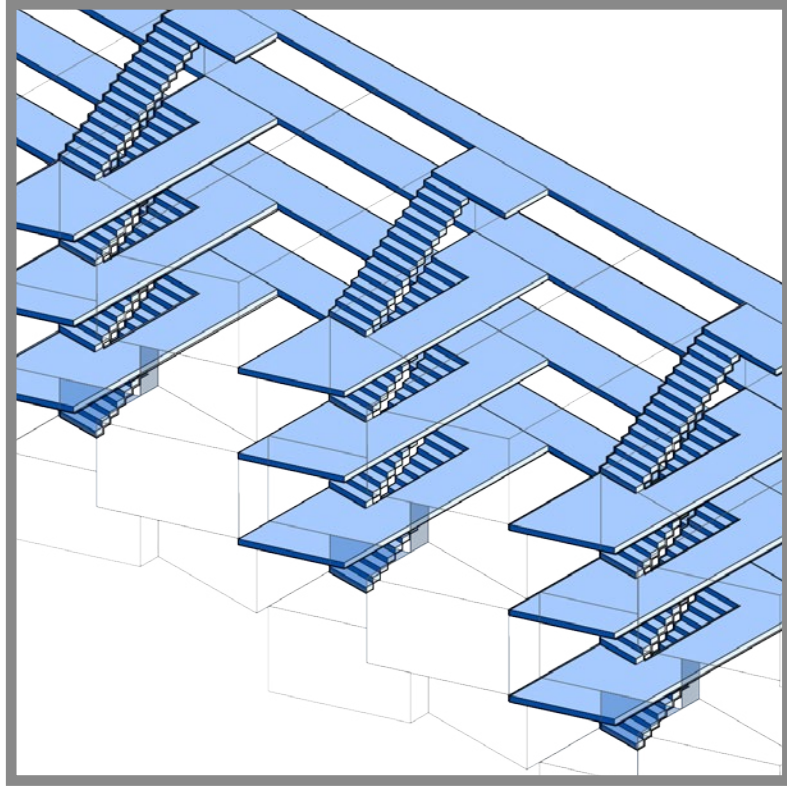


COVID-19 DESIGN STRATEGIES:



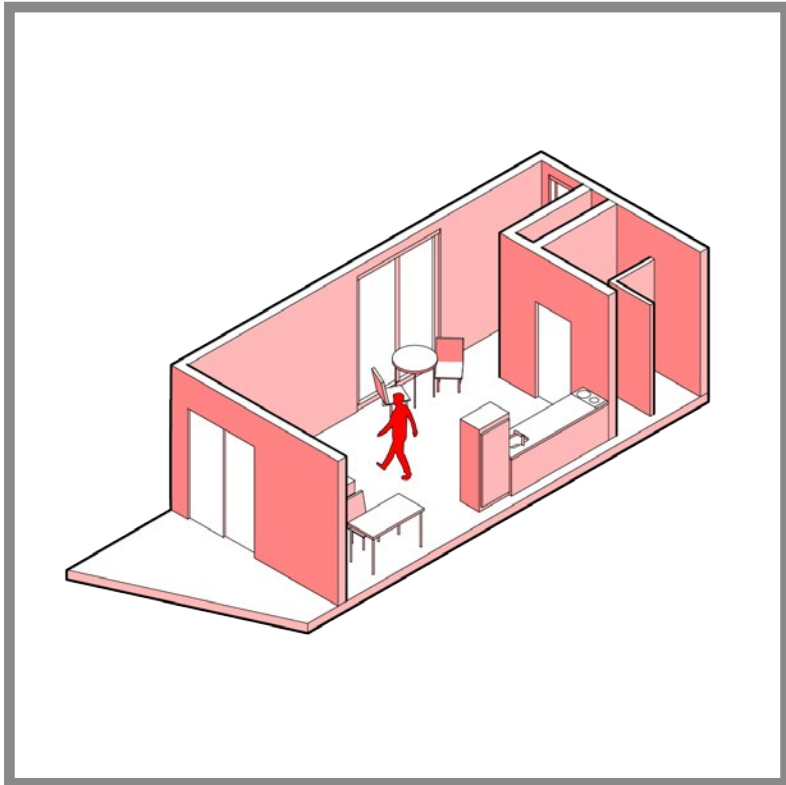
OUTDOOR SPACE

The central courtyard and the rooftop terrace connect the whole facility together while providing ample outdoor space for residents and members of the community to gather and social distance.



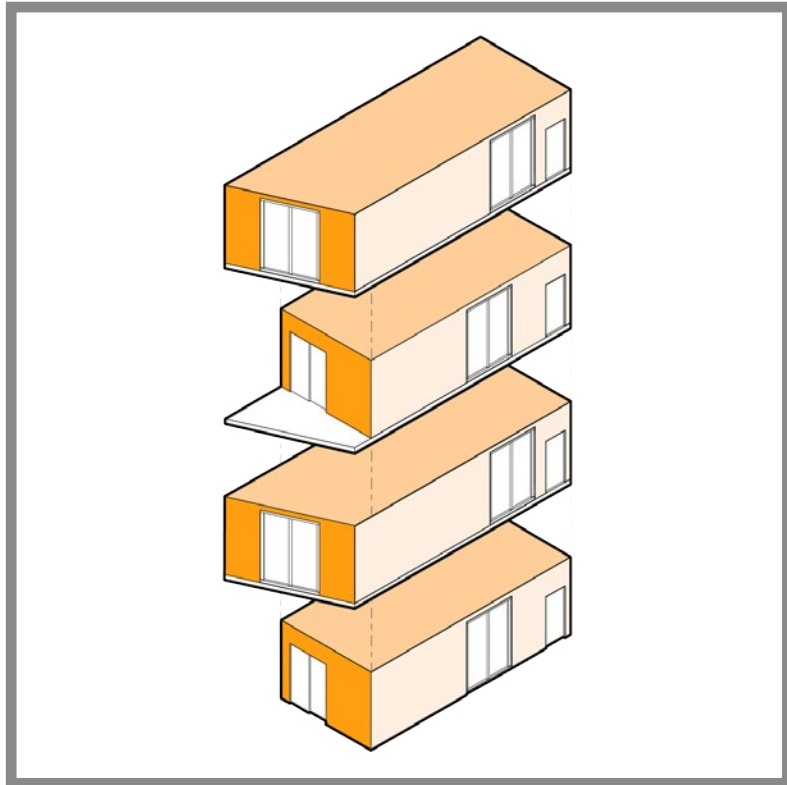
CIRCULATION

Rather than having one path for circulation, this design proposes several points of access to these individual units. There are a total of 16 stairways- each dedicated to its own cluster of 8 units. Having multiple paths of circulation allows less opportunities for residents to come in contact with the virus.



INDIVIDUALIZED UNITS

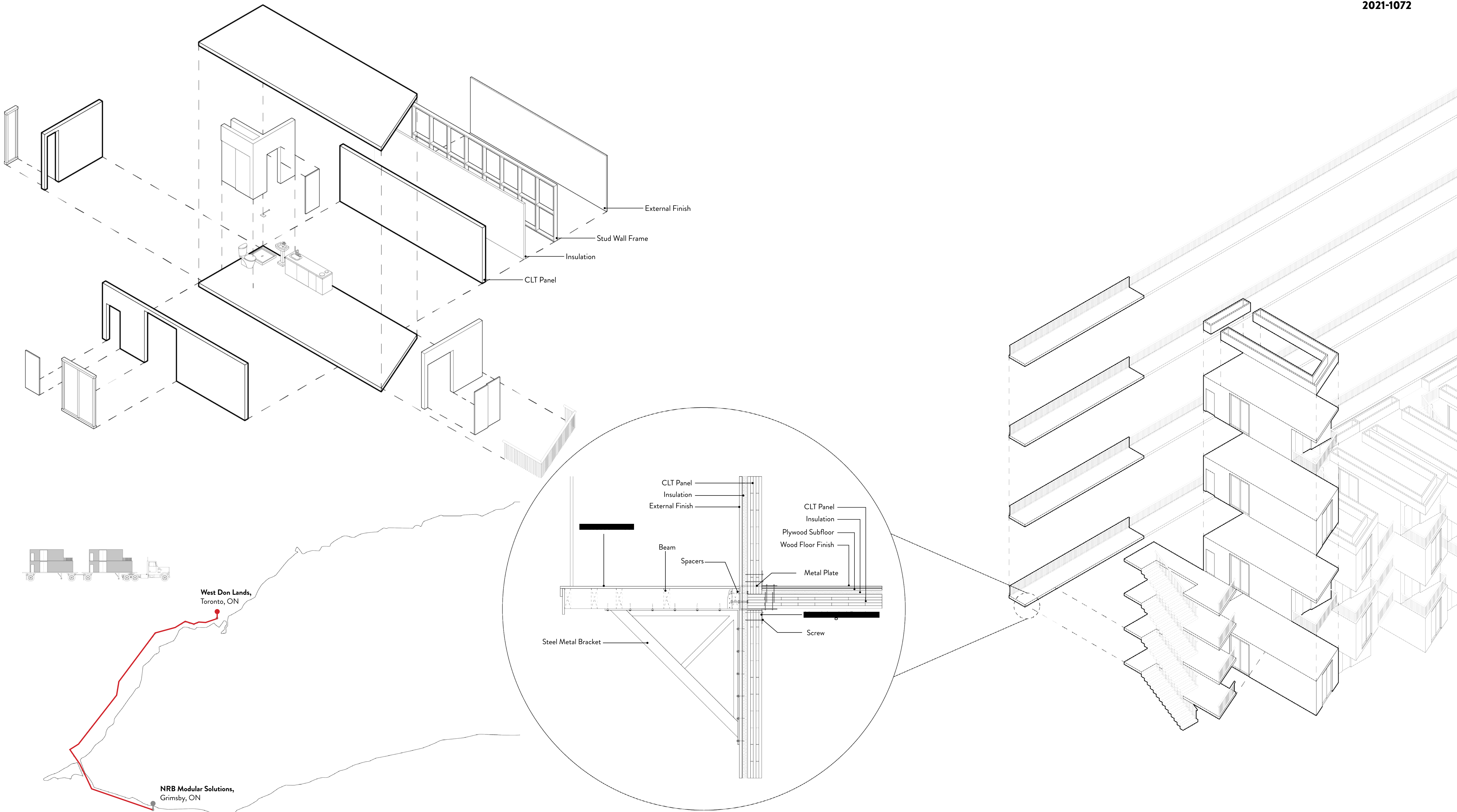
These units provide residents with access to their own kitchen, bathroom and sleeping area - unlike the typical shelter layout where shared amenities are prevalent. This allows for less points of interaction between residents so they are able to better practice COVID-19 safety measures



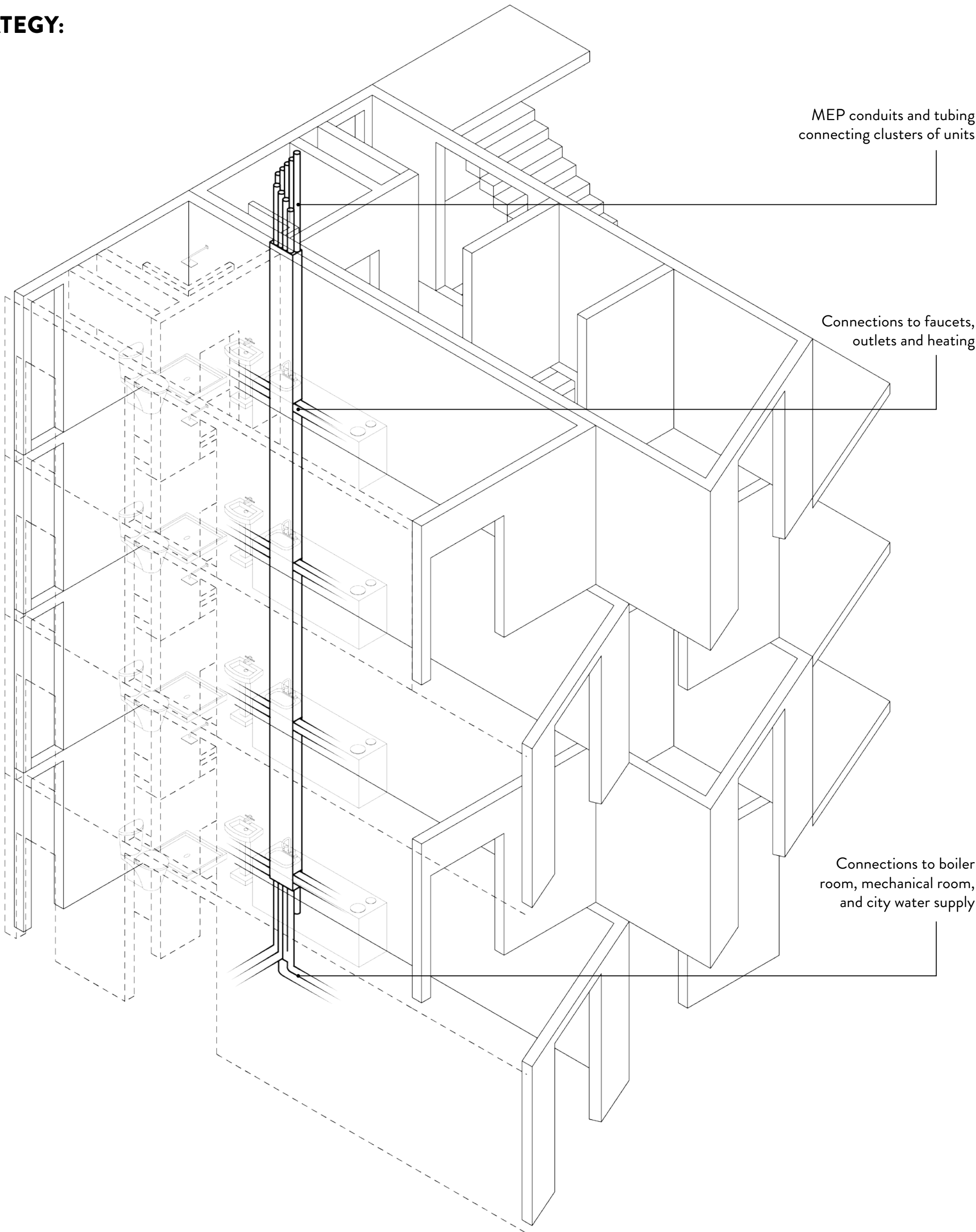
MODULARITY

This design features both 1-bedroom and 2-bedroom modular units. Having repeatable units allow this facility to quickly and cheaply expand as the demand for transitional homes increase.





MEP STRATEGY:



West Don Lands Transitional Housing

Throughout the course of the pandemic, there has been an observable increase in homelessness throughout Toronto. This project proposes a Transitional Housing design for the West Don Lands neighbourhood. This facility is targeted towards individuals and families looking for short-term housing. This population includes but is not limited to homeless adults, women and children from abusive households, or individuals who have lost their homes due to COVID-19. Using off-site construction for each unit allows us to take advantage of the economy of scale and spend more into designing better amenities for the residents.

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The chosen site is located in West Dons Lands, Toronto, Ontario. As Canada's largest populated city, it predominantly has the highest rate of homelessness in Canada. The objective of the project is to address the ongoing concern regarding the shortages of housing in shelters and its inadequacy in providing the needs of its users. The project also aims to offer solutions for dealing with the current pandemic by applying safety measures in the design process. The site is currently surrounded by vacant parking lots which give the project potential to expand in the area.

There are a total of 128 units that are designed to be fabricated off-site in Grimsby, Ontario and brought on site using flatbed truck trailers. When they are transported on site, the unfurnished units are complete with exterior load-bearing walls, interior walls, windows, doors, balcony railings, as well as all kitchen and bathroom amenities. On site, these units are stacked and secured to each other. They are then attached to pre-assembled stairways and corridors.