

Connecting US



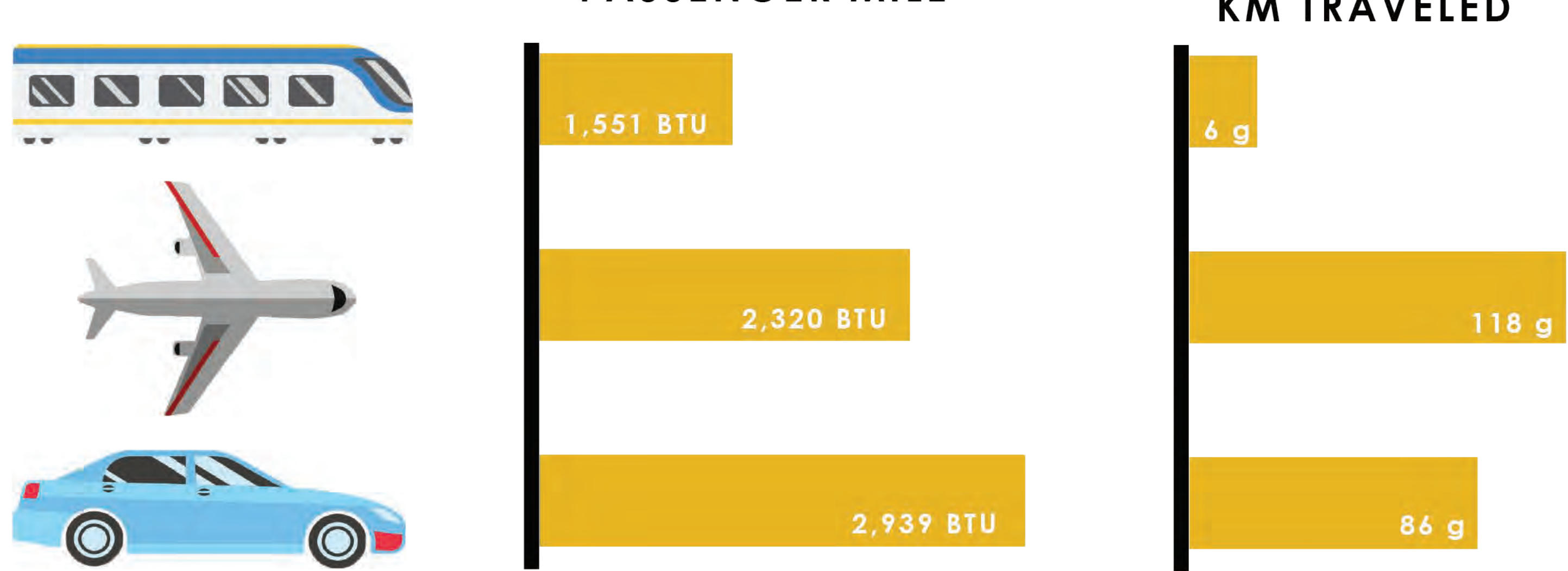
Stations are much more than just places people depart from and arrive at. It is a place for adventure, learning, relaxation, public gathering, shopping, dining, working, and so much more. The station has a chance to be a city within a city, to bring in more tourists, and to create a large economic opportunity for the city. The location of the station is just as important. If there are no other options of transportation to or from the area, no one will enjoy the process of trying to come or leave. There must be ample parking available nearby, bike and pedestrian routes, rental cars or ride-share areas, bus routes, and, ideally in large cities, a subway or light-rail stop to connect the station to further parts of the city. Traveling should not be a burden, it should be something to look forward to, and the system must be on time, fast, and convenient enough for people to choose rail travel. Whether it be for work trips or for fun, the station and trains need to cater to the needs of the users. Now more than ever, we need to be thinking about the planet and each other. The answer should not be to travel less, but to find a solution to travel better.

HIGH SPEED RAIL

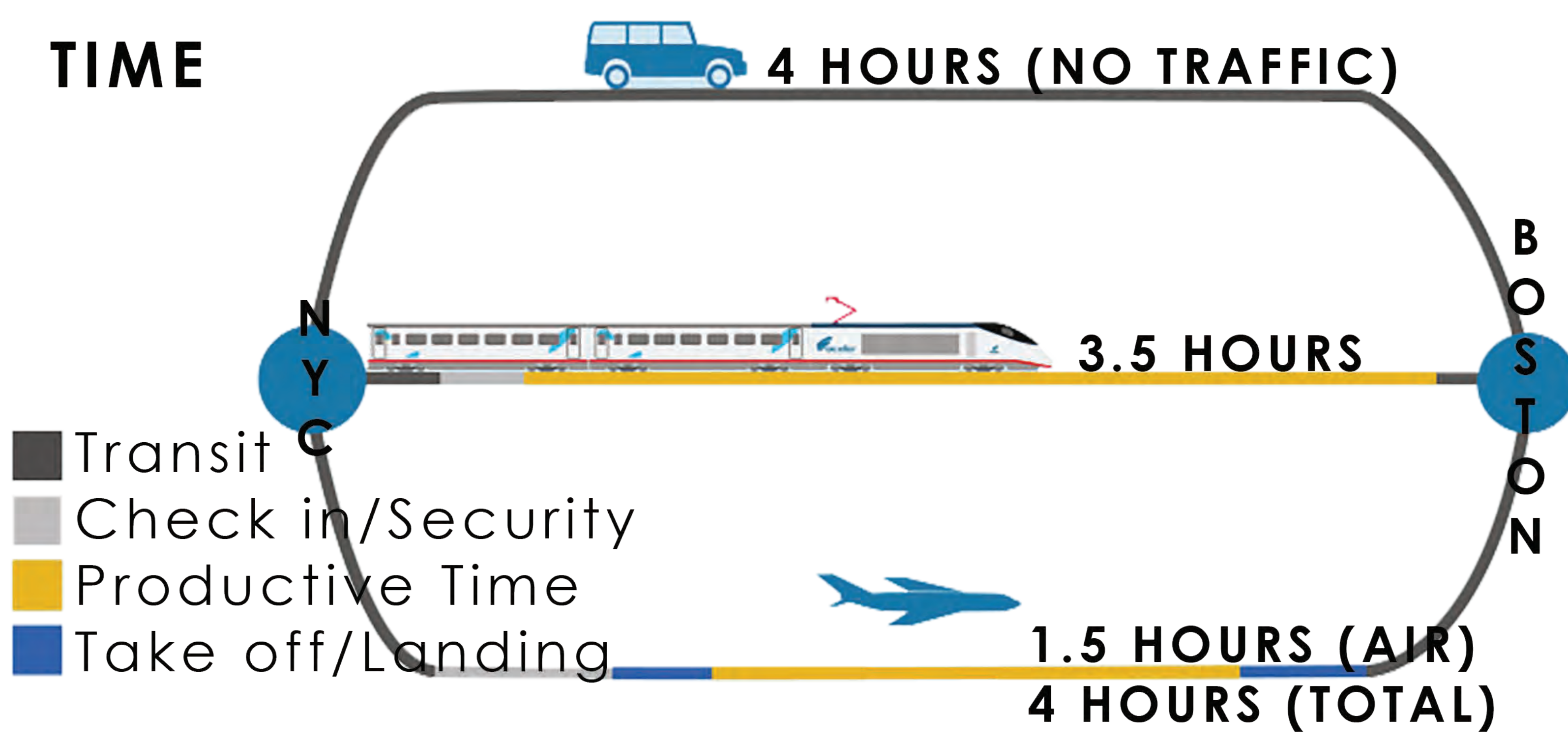
AMENITIES



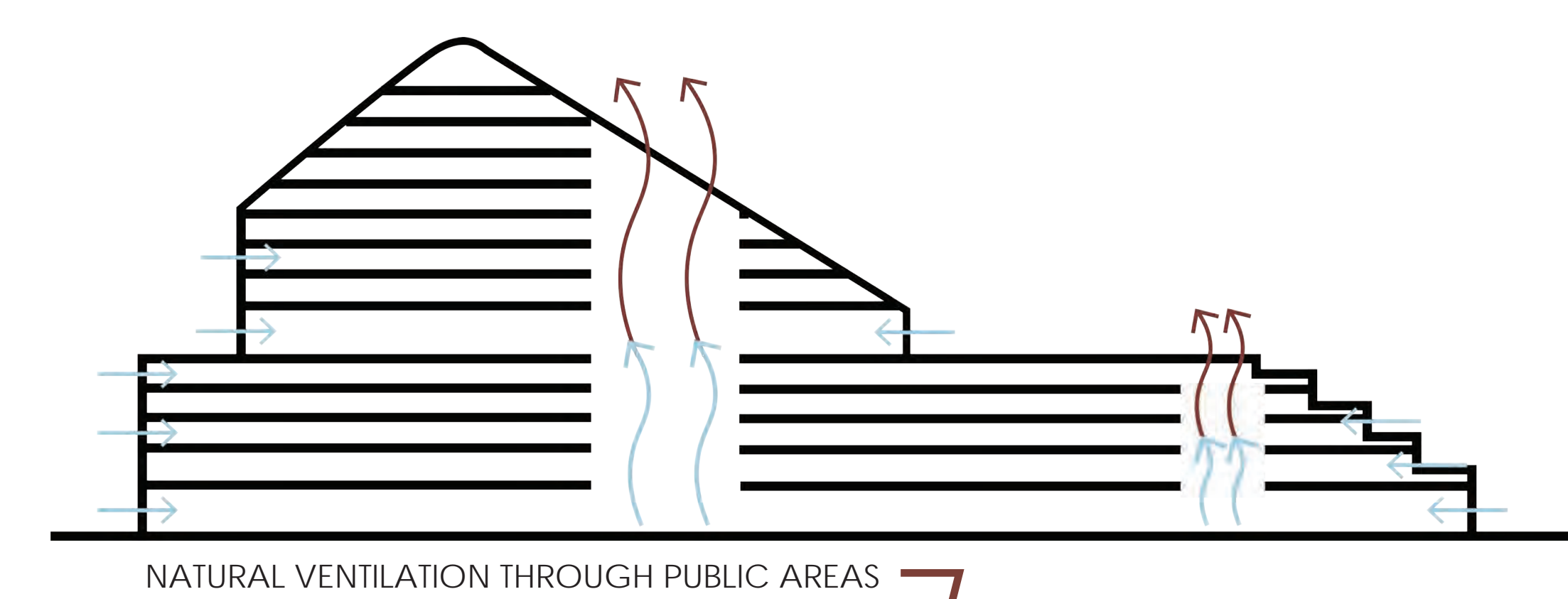
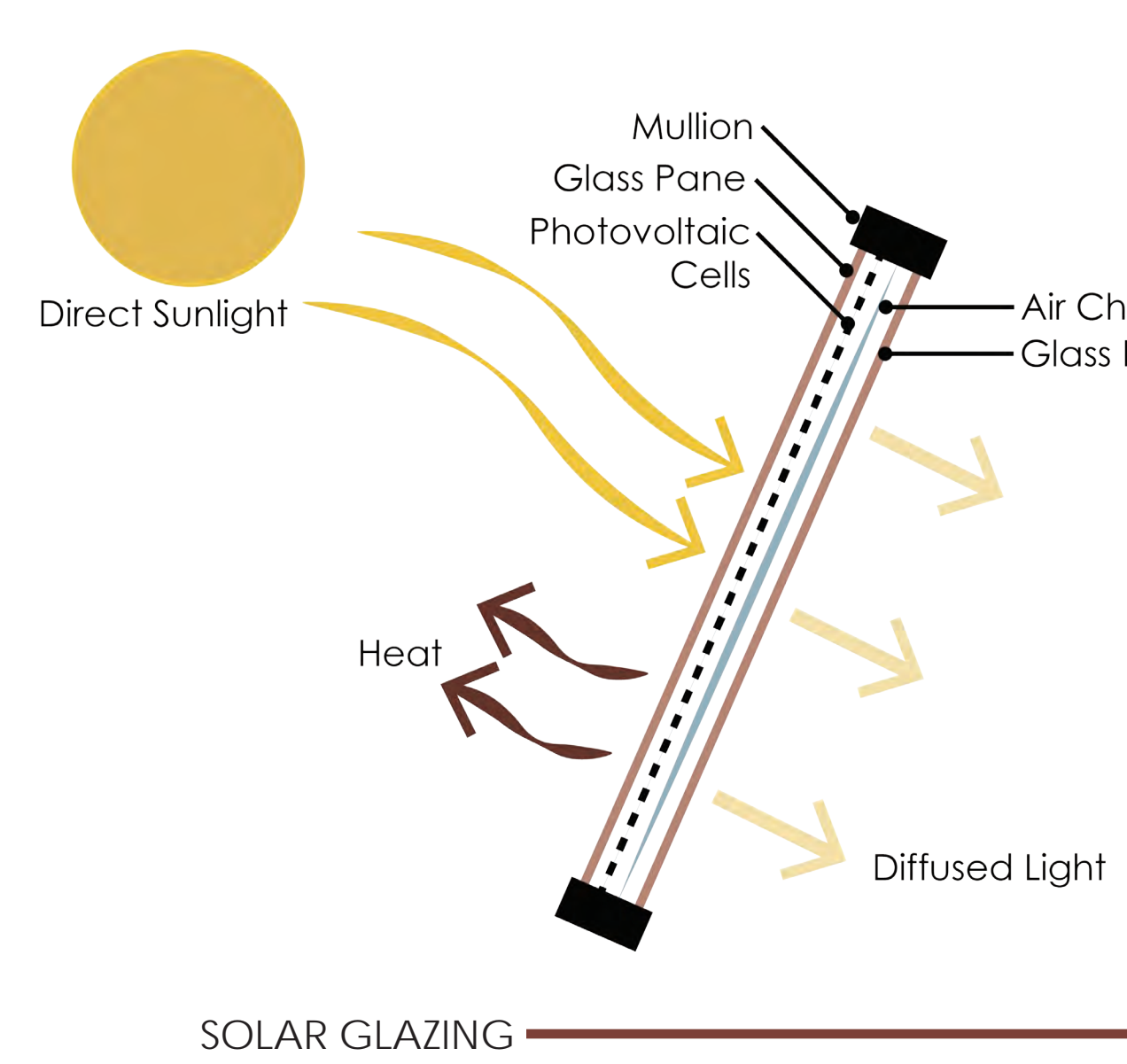
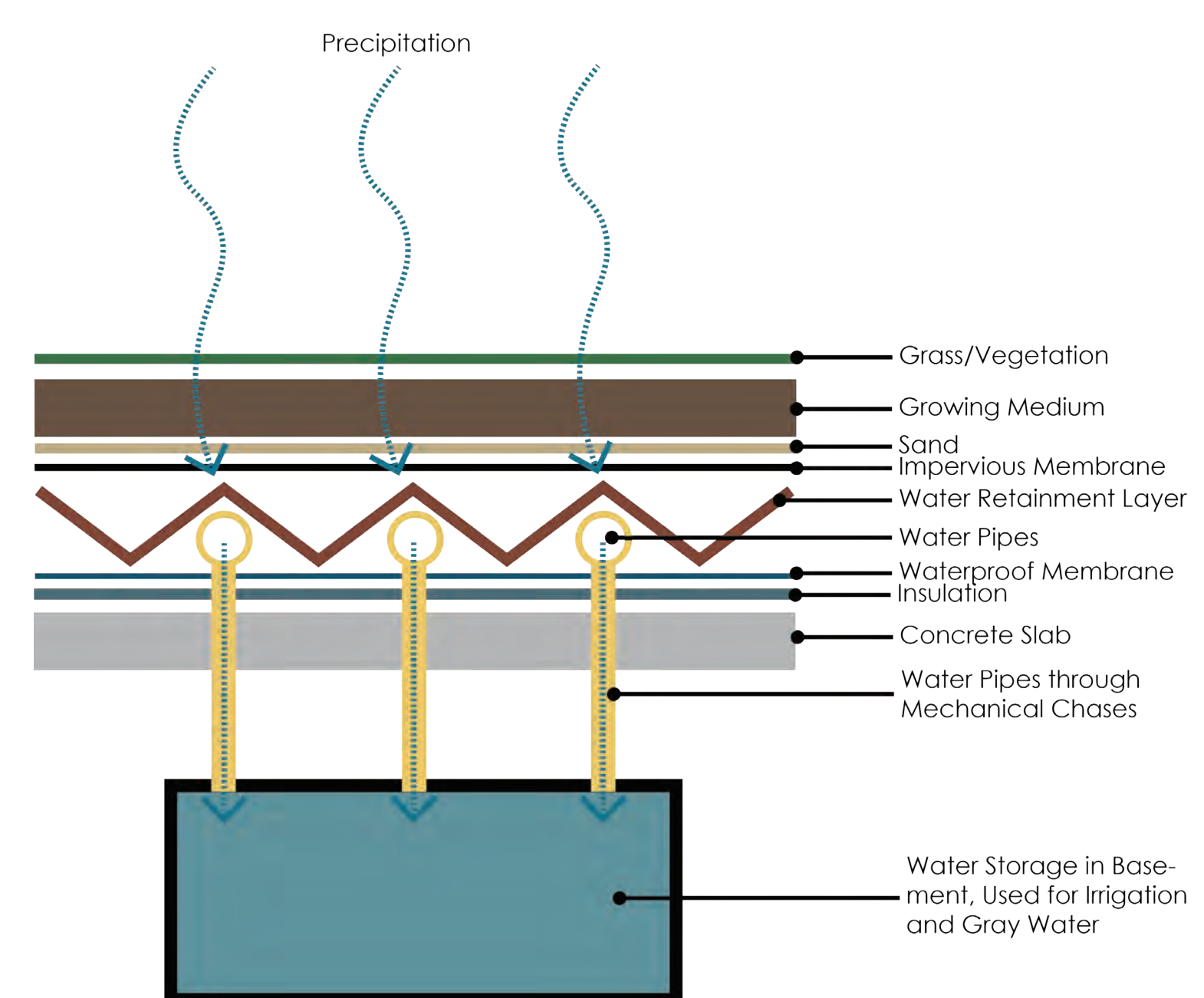
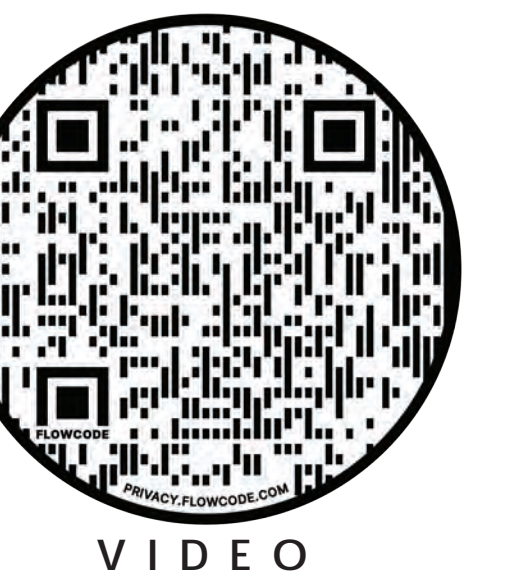
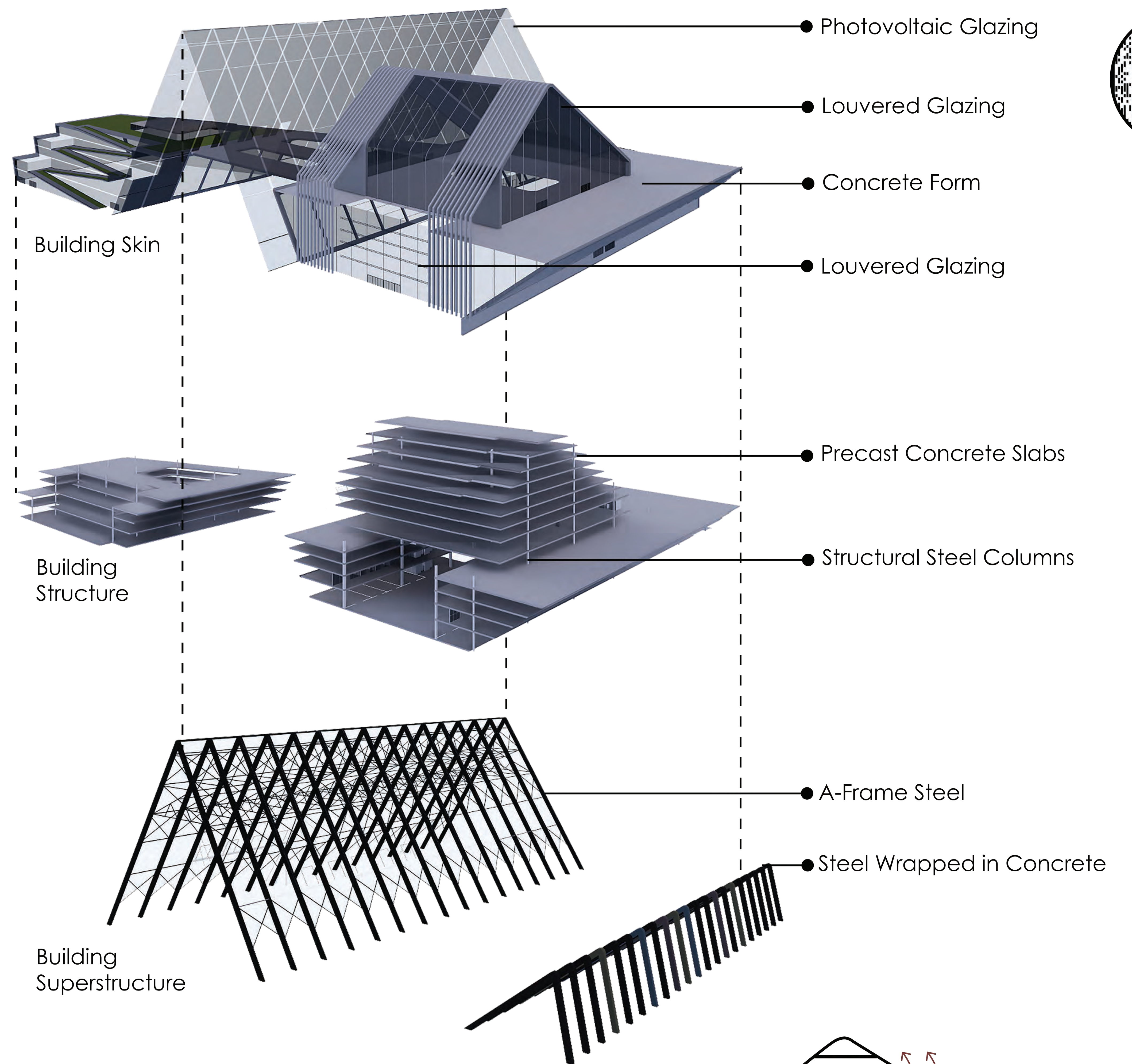
ENVIRONMENT



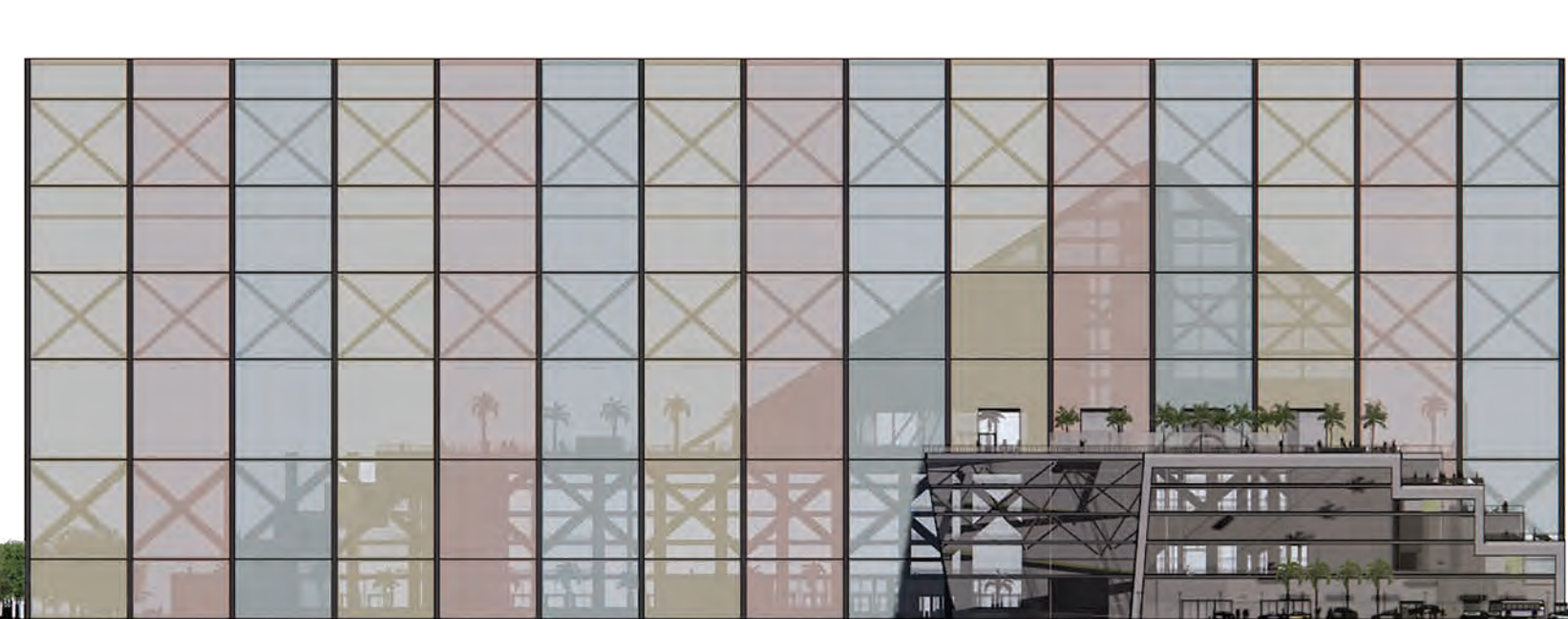
TIME



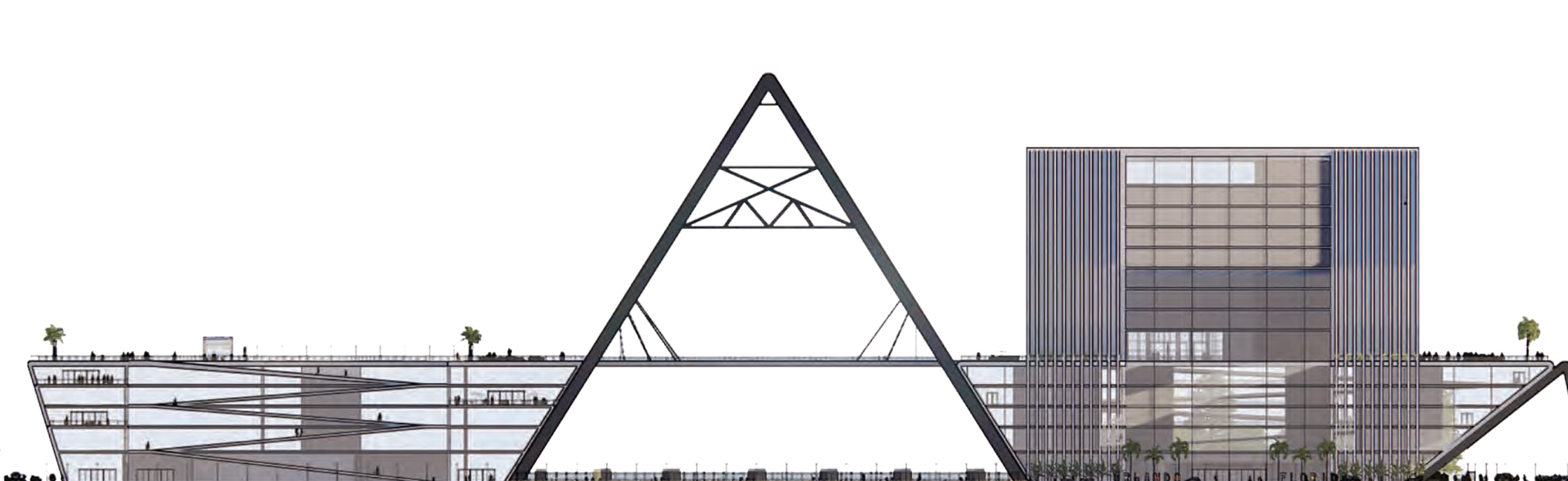
THE STRUCTURE



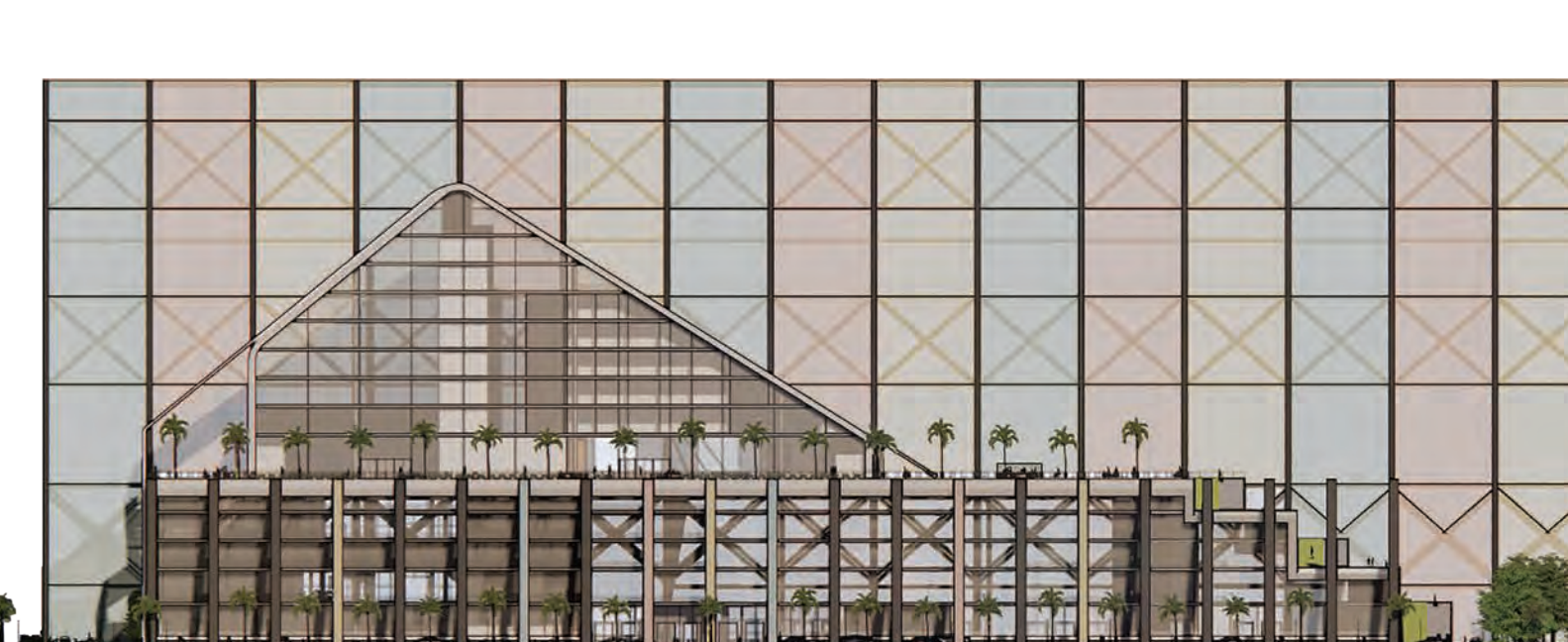
Section Cut



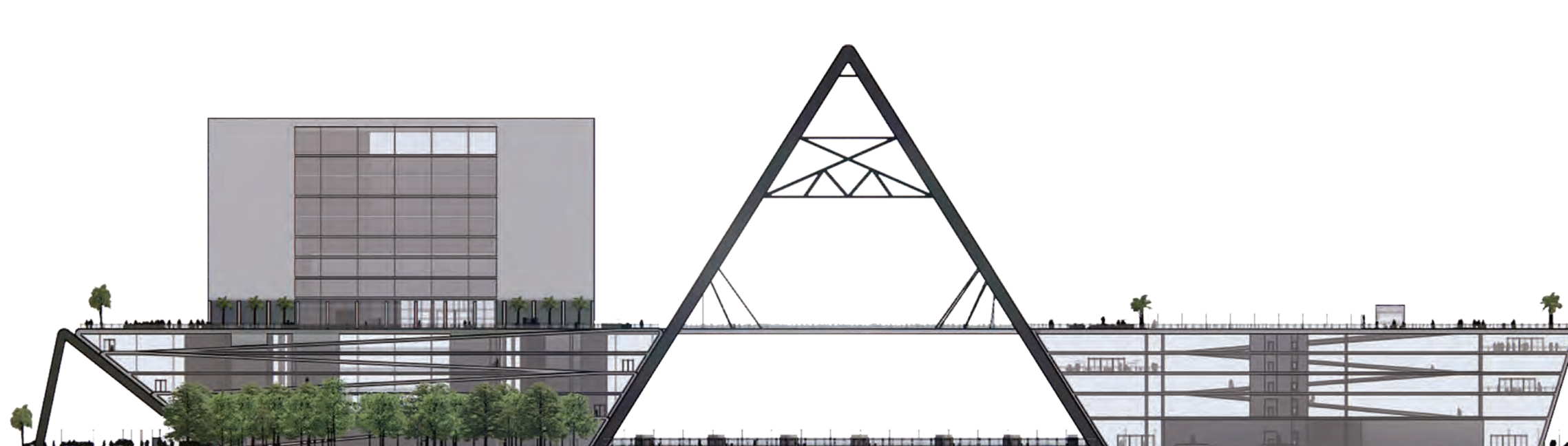
East Elevation



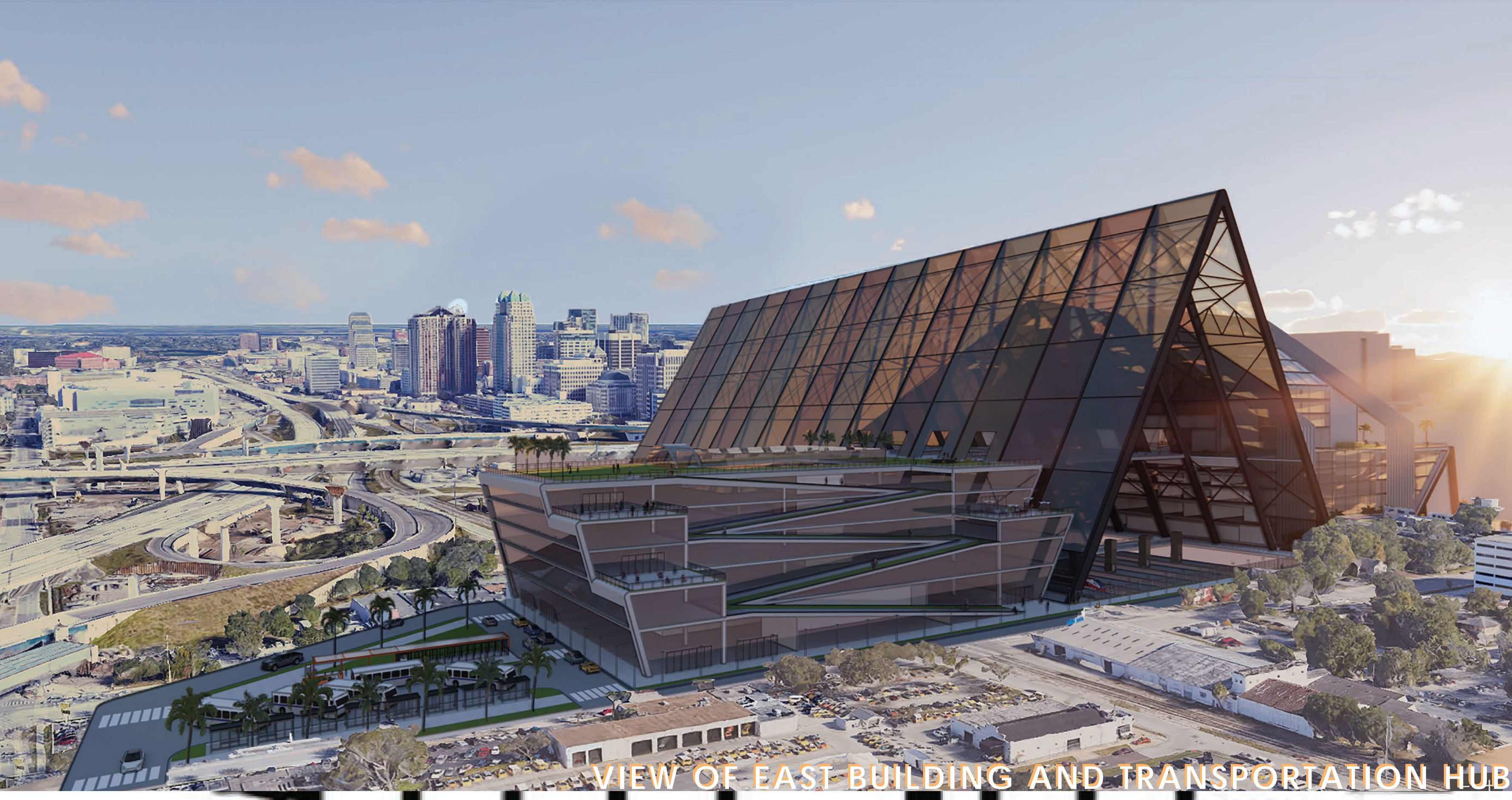
South Elevation



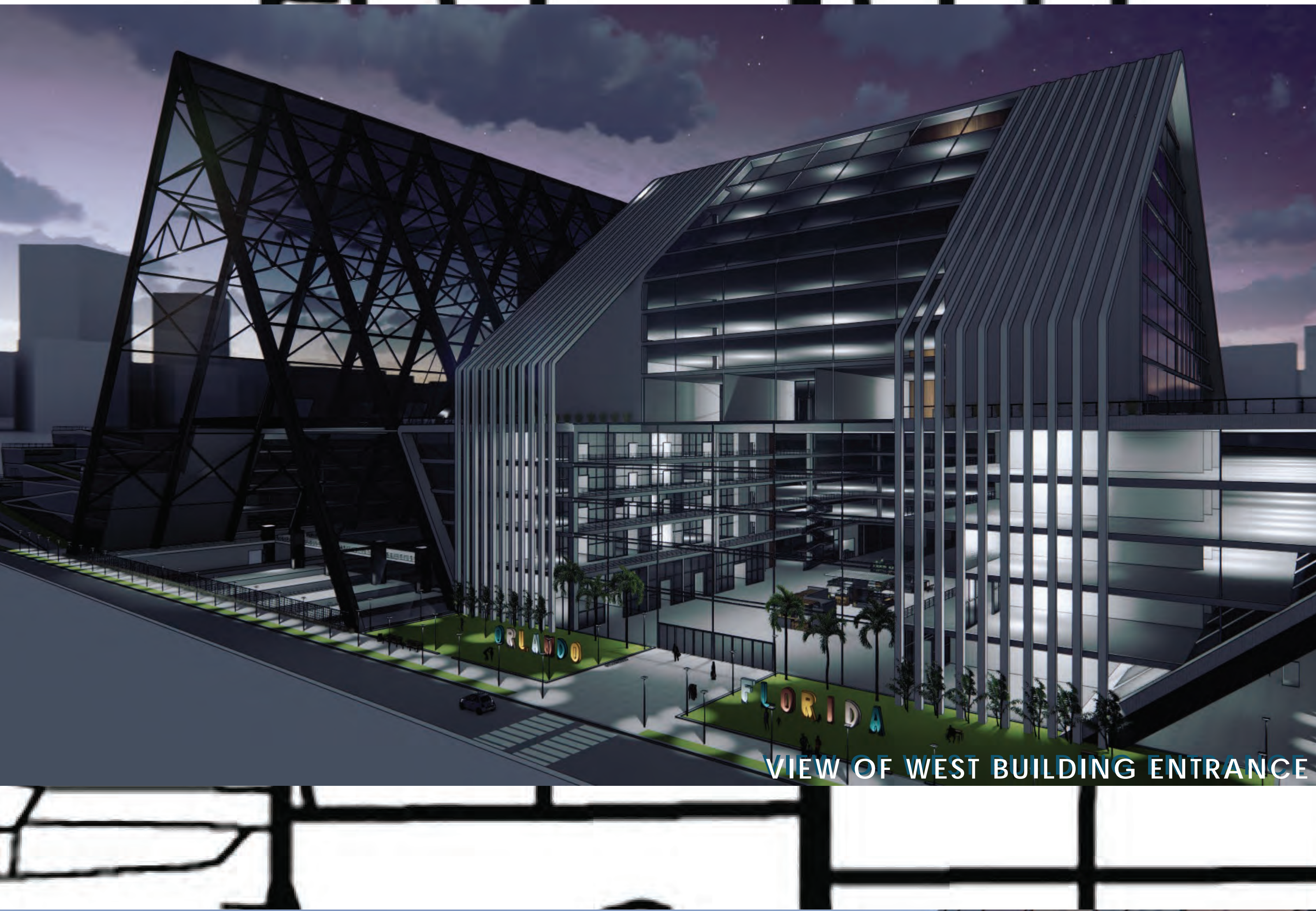
West Elevation



North Elevation



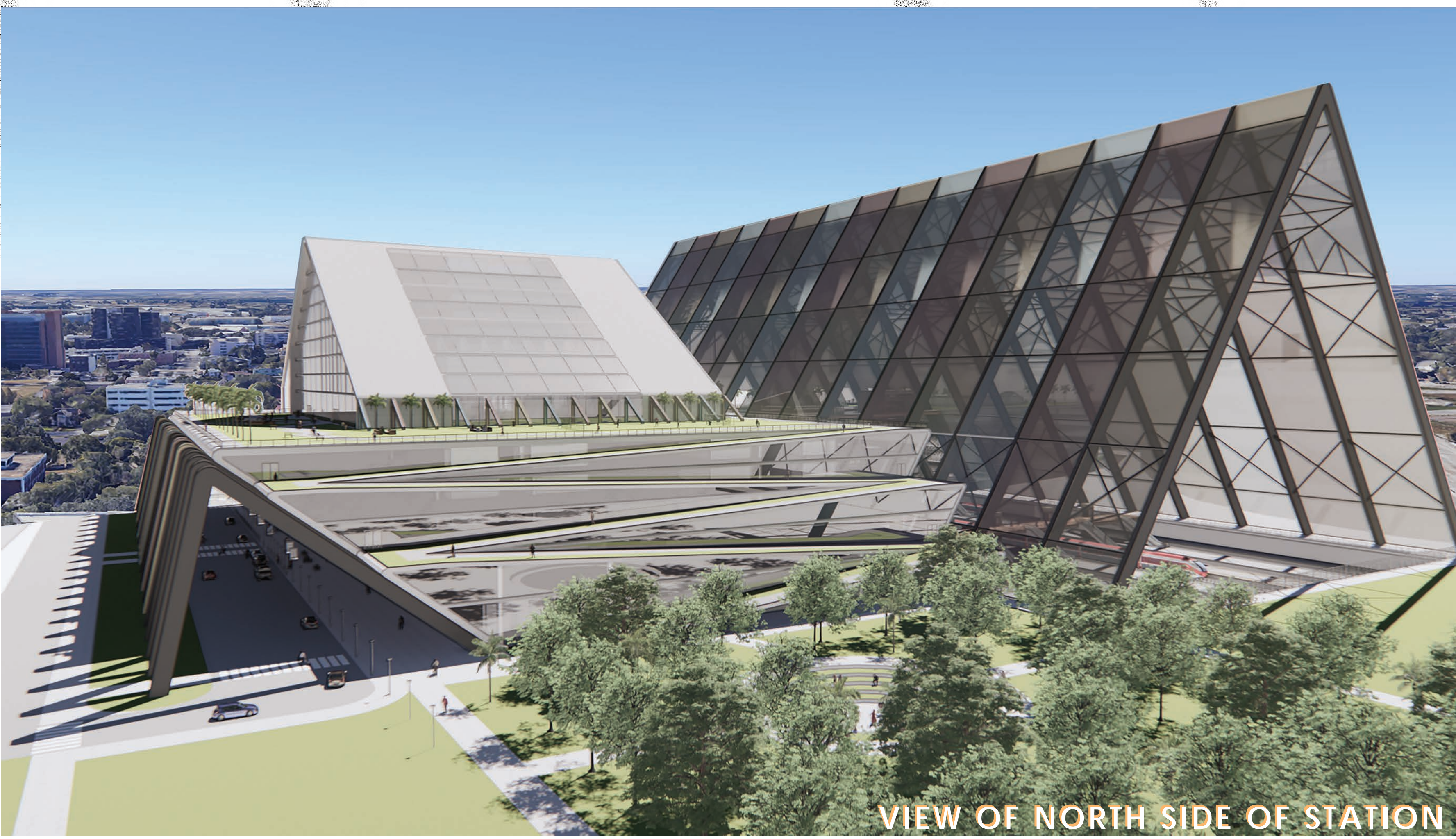
VIEW OF EAST BUILDING AND TRANSPORTATION HUB



VIEW OF WEST BUILDING ENTRANCE



VIEW OF BACK OUTDOOR AMPHITHEATER



VIEW OF NORTH SIDE OF STATION



VIEW OF INTERIOR ATRIUM



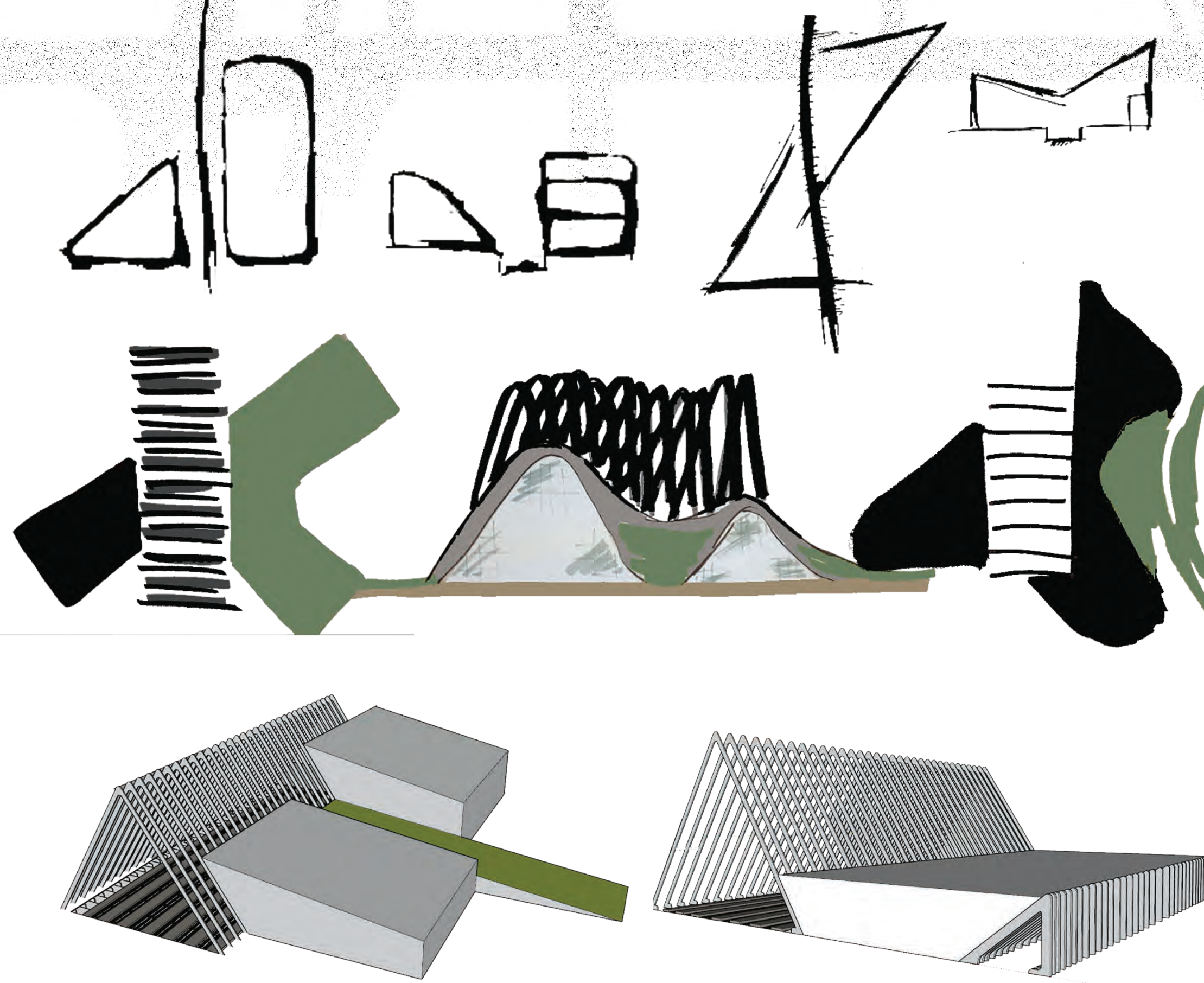
VIEW FROM PLATFORMS



THE SITE

The main site of the designed project will be an urban neighborhood and the station will serve as a hub in the heart of the city. Urban areas provide a lot of opportunity for many different uses and can majorly impact an area's economic activity. With a decent sized population of 285,705 people, Orlando is an up and coming city with almost a 2% growth rate from year to year and has a central location between many large cities.

Design Development



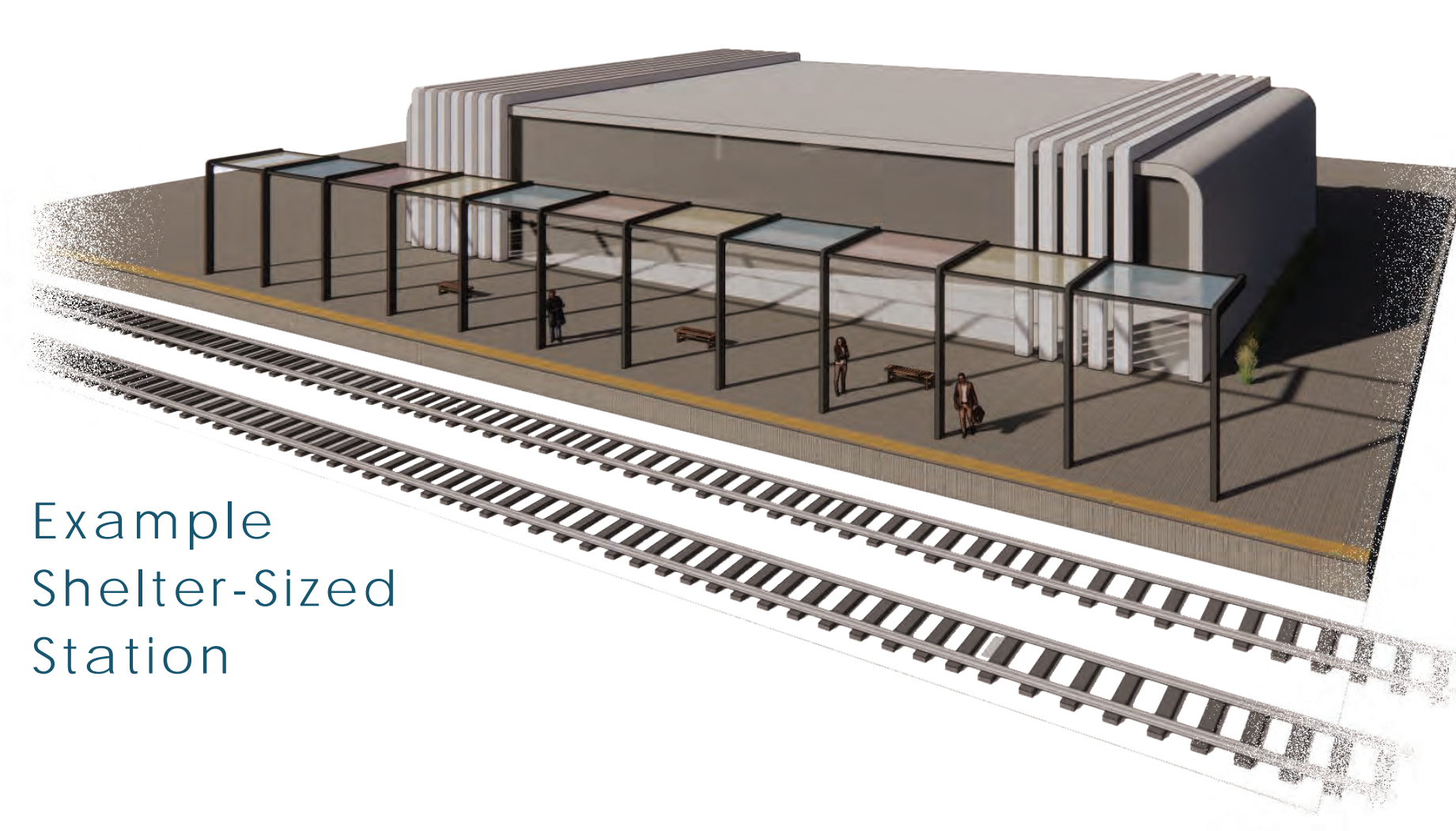
From the beginning, I knew the station would be developing around the train tracks rather than just attaching to the edge of it. Also early on, I decided on the A-frame structure to provide protection from the elements on the platforms, but also became the iconic skyline of the building.

Modular Design

In order for the entire high-speed rail network to be efficient, there must be stations around the entire nation. Not just in the larger cities that can afford it, but smaller areas need connections to the bigger stations. Below is a table that describes the sizes of typical stations relating to which amenities they would offer, and based of these the program of the Orlando station could be scaled up or down to accommodate different areas.

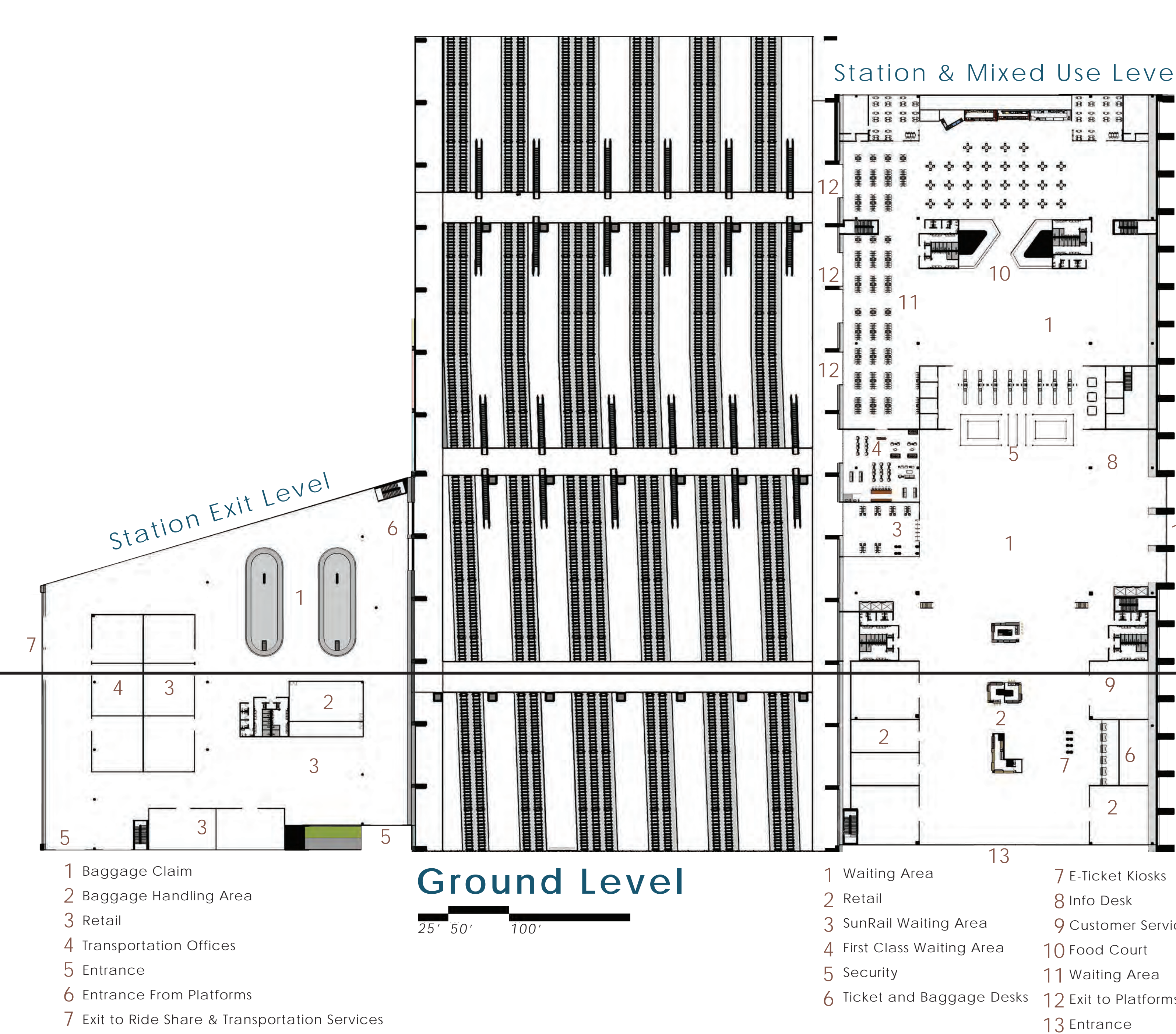
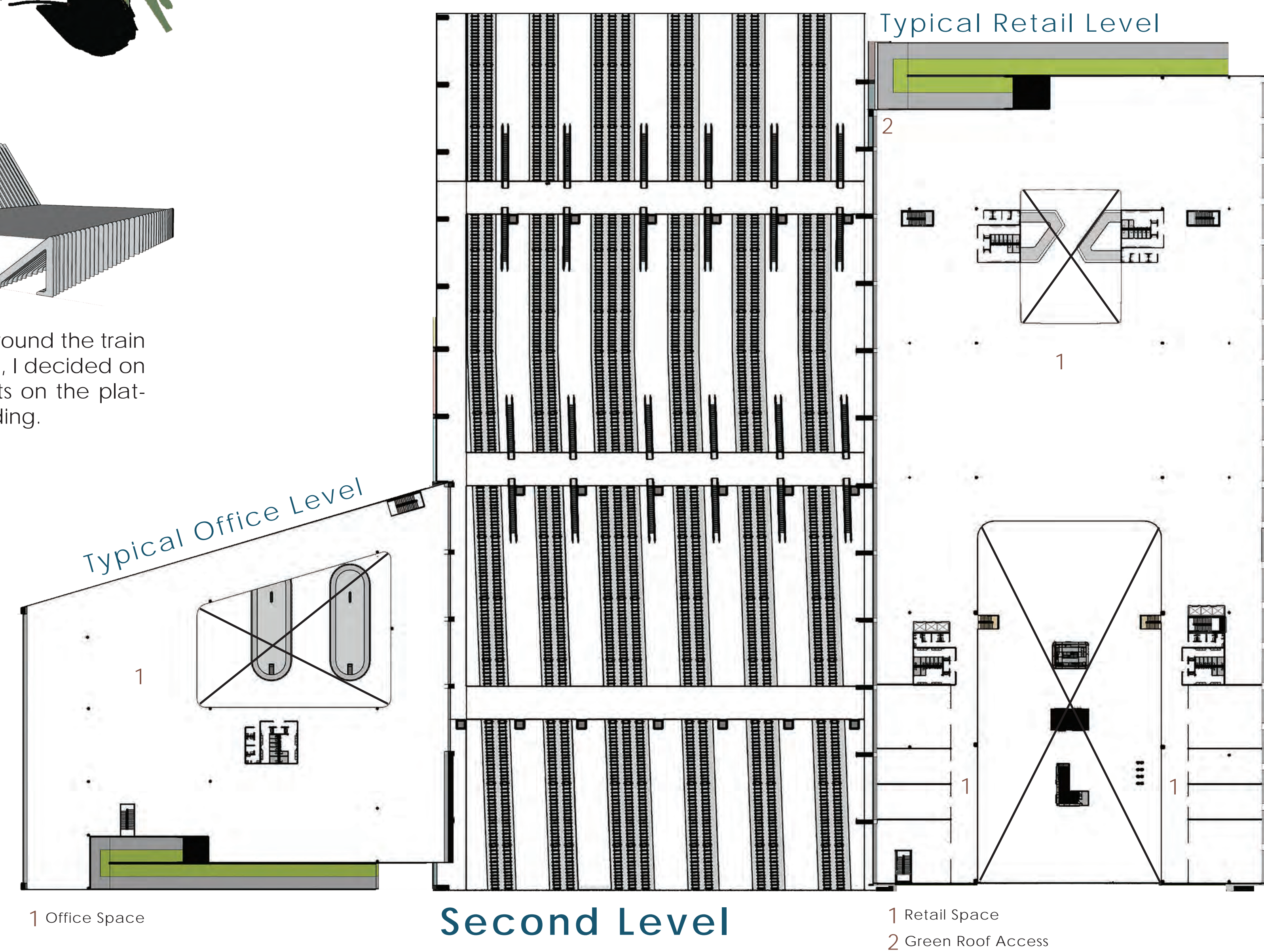
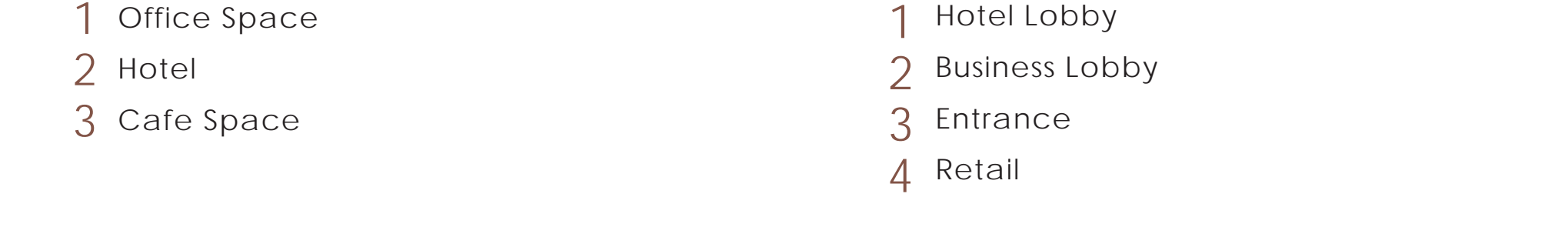
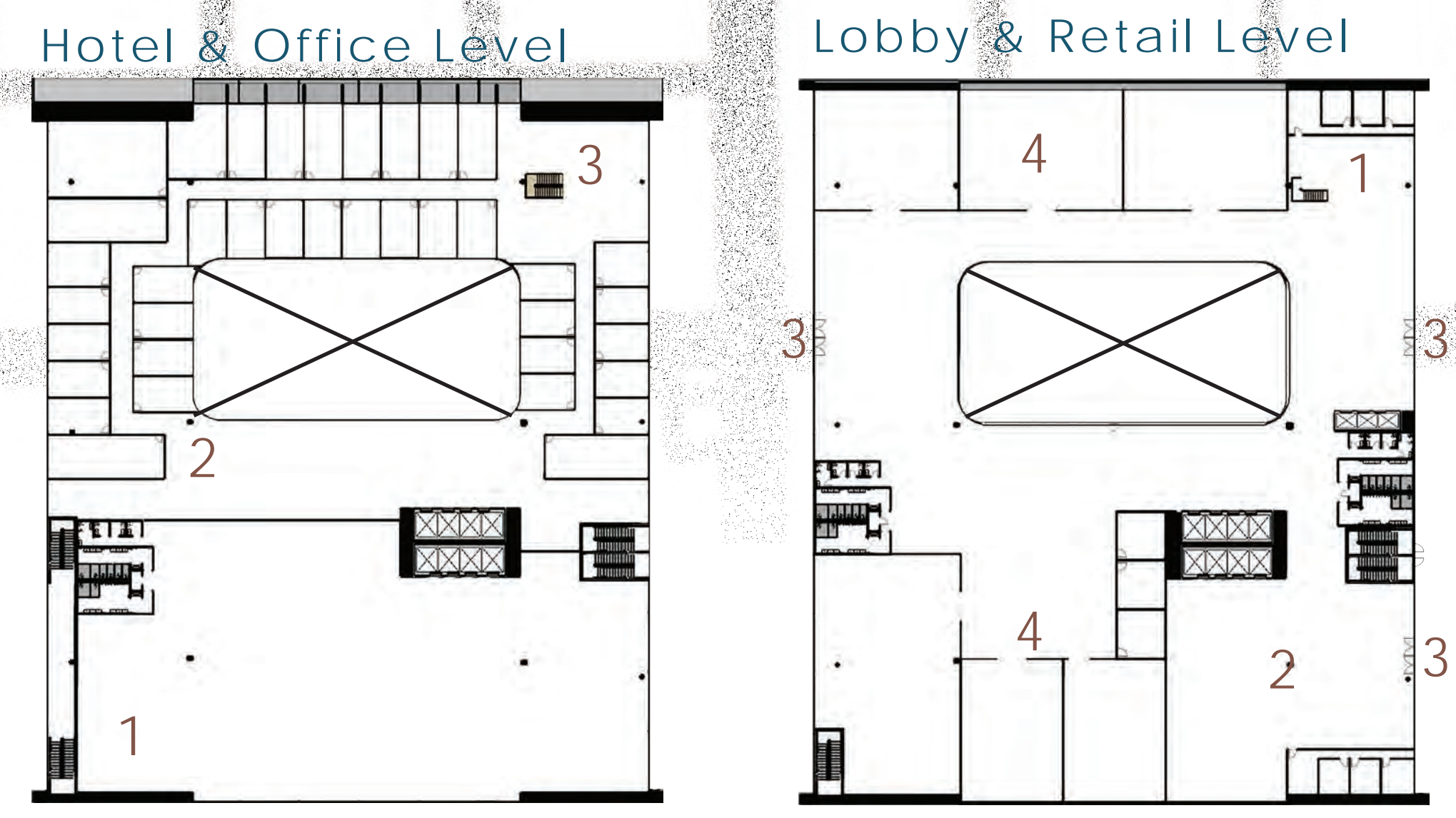
	Large Greater than 400,000	Medium 100,000 to 400,000	Caretaker 30,000 to 100,000	Shelter Less than 30,000
Route Service Type				
High Speed Rail				
Commuter Service				
Long Distance Service				
Station Location Environment				
High Density				
Medium Density				
Low Density				
Multi-Modal Services				
Full Range (Metro/Light Rail)				
Basic (Bus)				
Minimal (Taxi/car)				
Customer Service Staffing Level				
Fully Staffed, Management Present				
Basic Staff for Ticketing, Baggage, Operations				
Caretaker, No Passenger Assistance				
Unstaffed				
Baggage Services				
Checked Baggage/Red Cap/Package Express				
Checked Baggage/Agent Assistance				
None				
Station Configuration				
Side Platforms				
Vertical Circulation Platforms				
Terminal Services				

Typical Characteristics
Service Possible



Shelter-Sized Station

FLOOR PLANS



25' 50' 100'