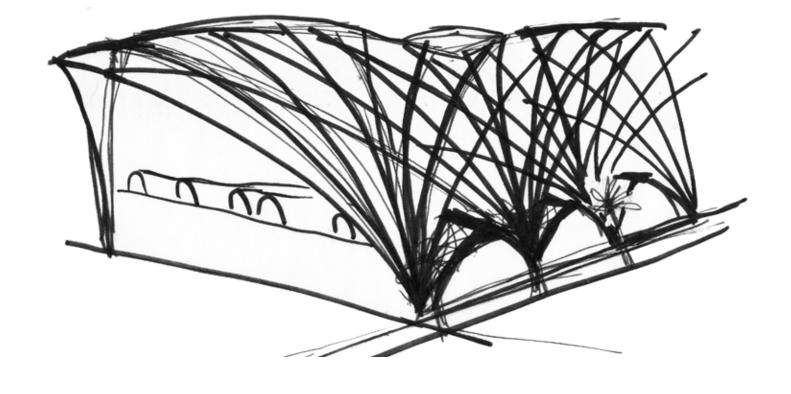
CULTIVATING CONTENT

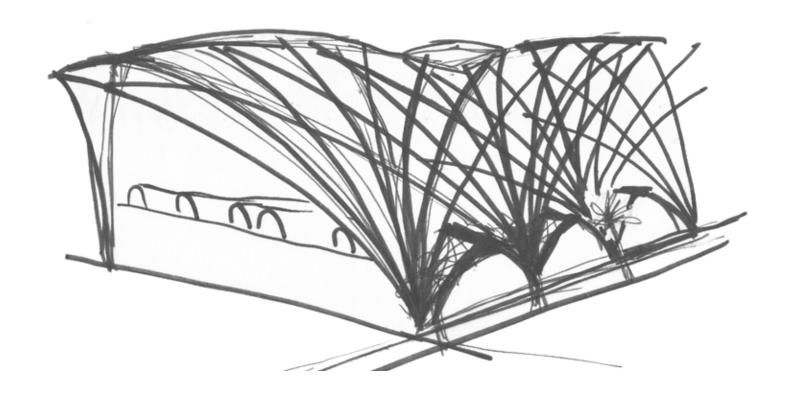
Problem Statement How can design provoke social responsibility? Community Interaction

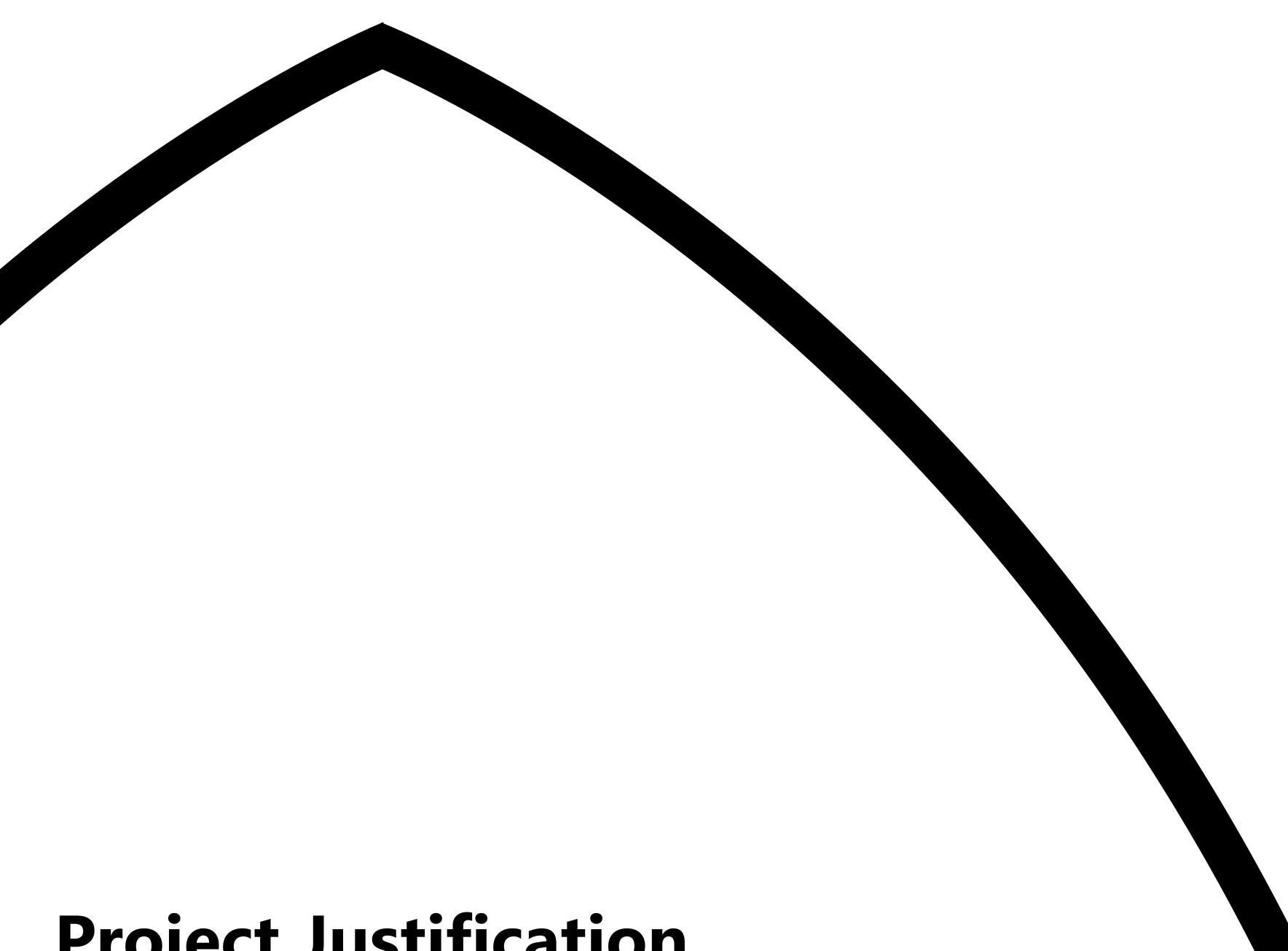
- Environmental Concern
- Economic Foresight



Theoretical Premise The current method of physically linking most destinations in the United States leaves something to be desired both socially and environmentally. Designers are poised to advocate

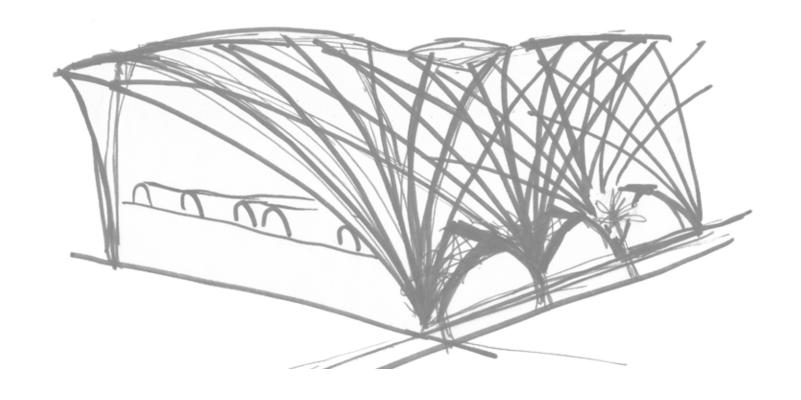
and initiate innovative ideas, challenge the orthodox mind set towards transportation and begin to mend a widening gap.

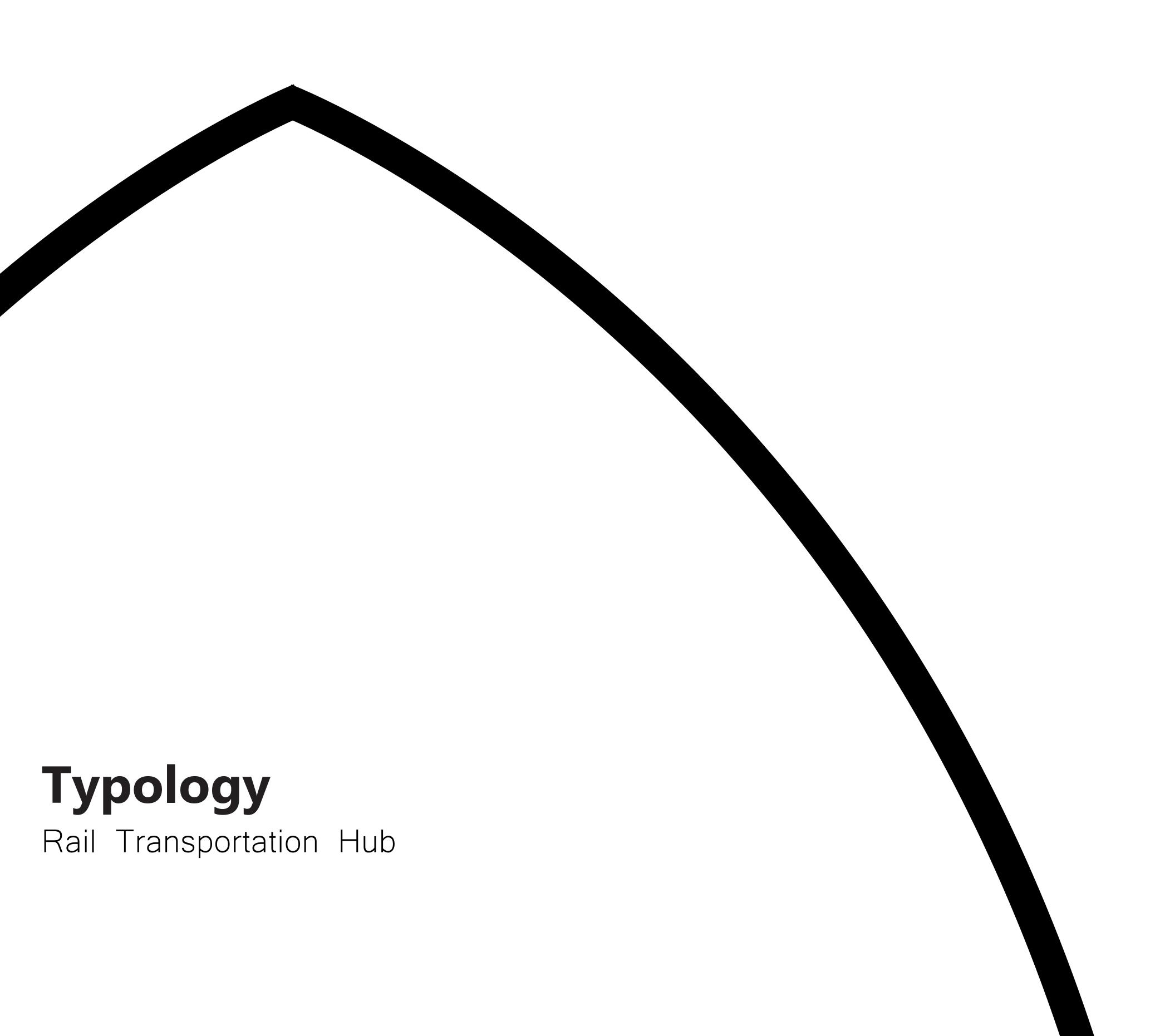


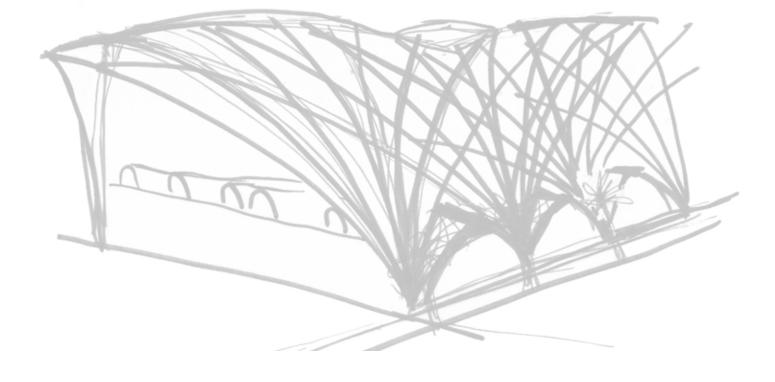


Project Justification

Transportation via personal automobile is one of the most socially destructive and environmentally taxing activities to have ever been implemented in the United States. Thus pedestrian oriented transportation must become the primary method of locomotion within a metropolitan area for the betterment of society collectively.























Inspiration

I developed an interest in public transportation while studying abroad in France for four months last year. I experienced the greatest transportation freedom I've ever known.

The City
The city was created as a place to exchange goods and ideas.

Social Isolation

- -lawyer from New York
- -Pedestrian oriented trainsit roadway and parking on campus

Density

Supplementing public transportation with personal bicycles should satisfy all the needs one would have. Density is the key to placing all the basic elements in reach of a city dweller. To illustrate this, a U.C. Berkeley Masters of Urban Design professor (while riding a public bus in Italy) once offered to me that,

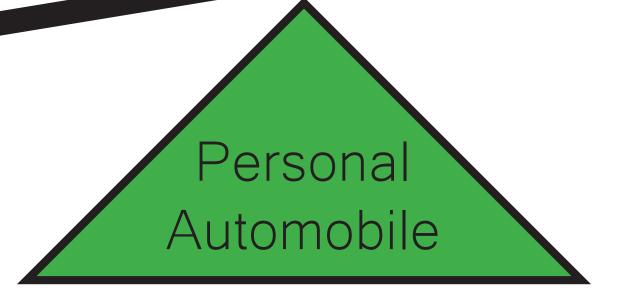
Safety

In America someone is killed every 5 minutes in a automobile related accident, while Japan has not had a fatality due to their rail system in over 40 years.

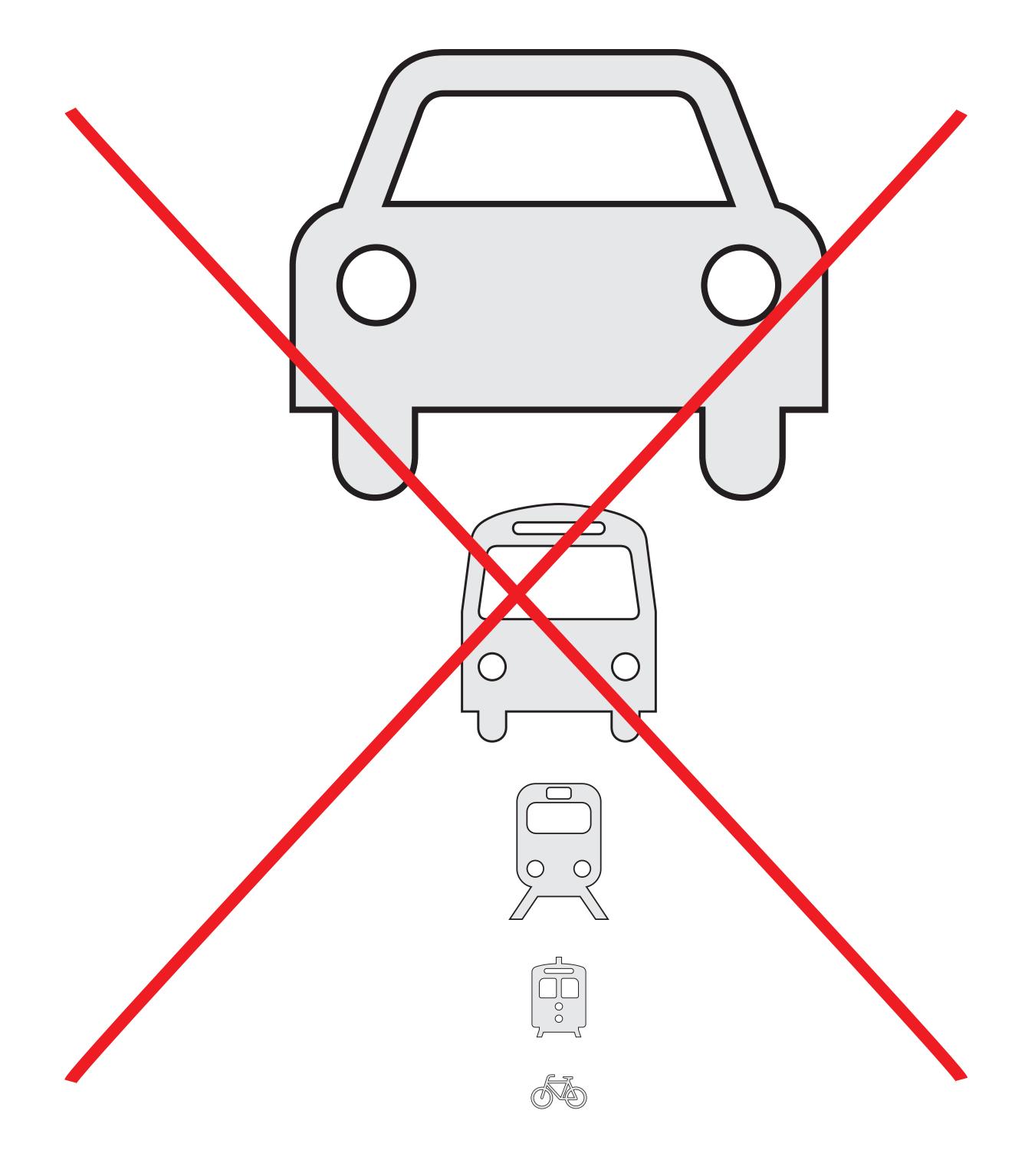
Which leaves each of us with a 72% chance that someone in our family will be killed in an automobile related accident in our lifetime.

Safety

Convenience

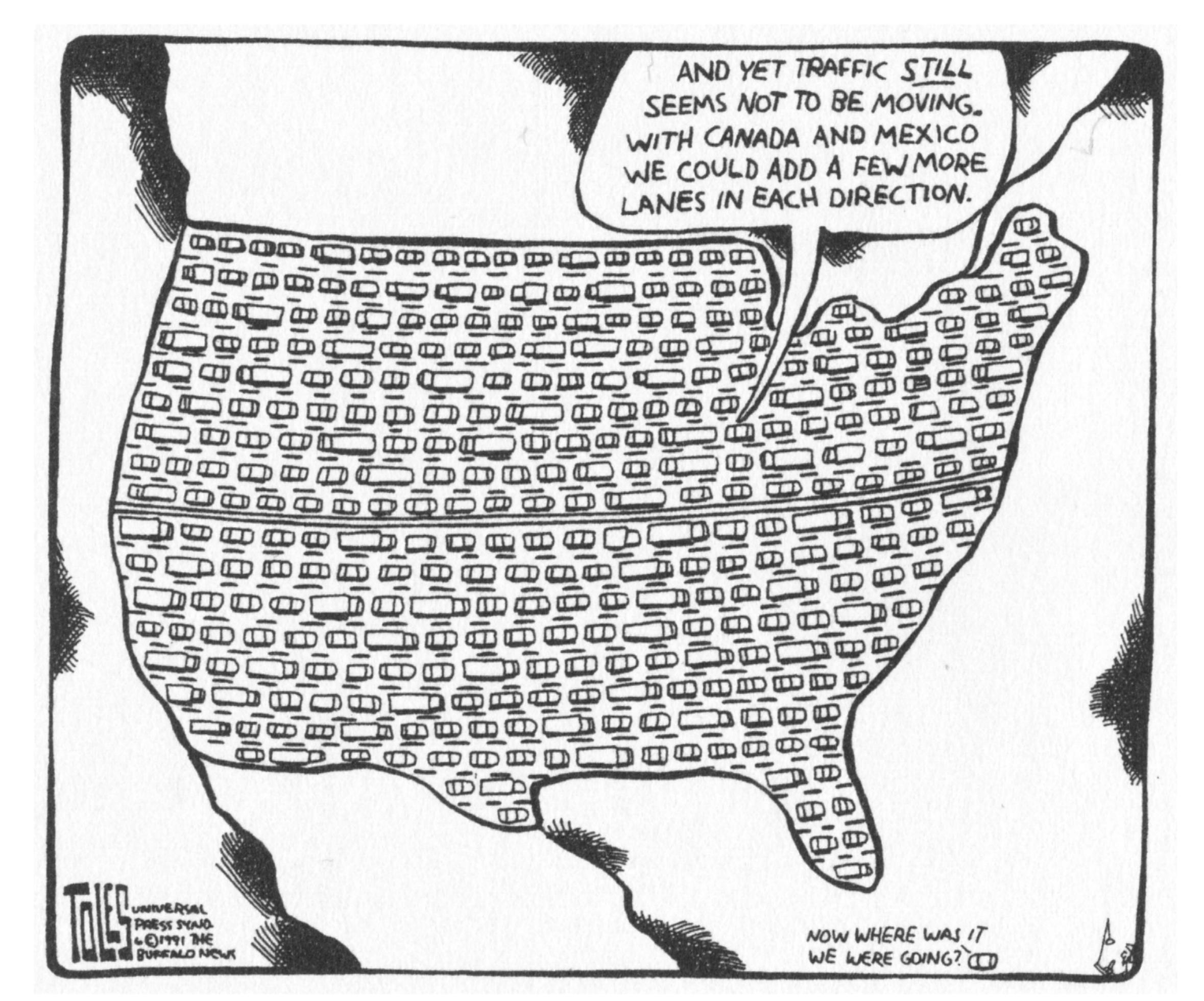


[&]quot;the shortest distance between two points, is to move them closer together."



Personal Auto Costs

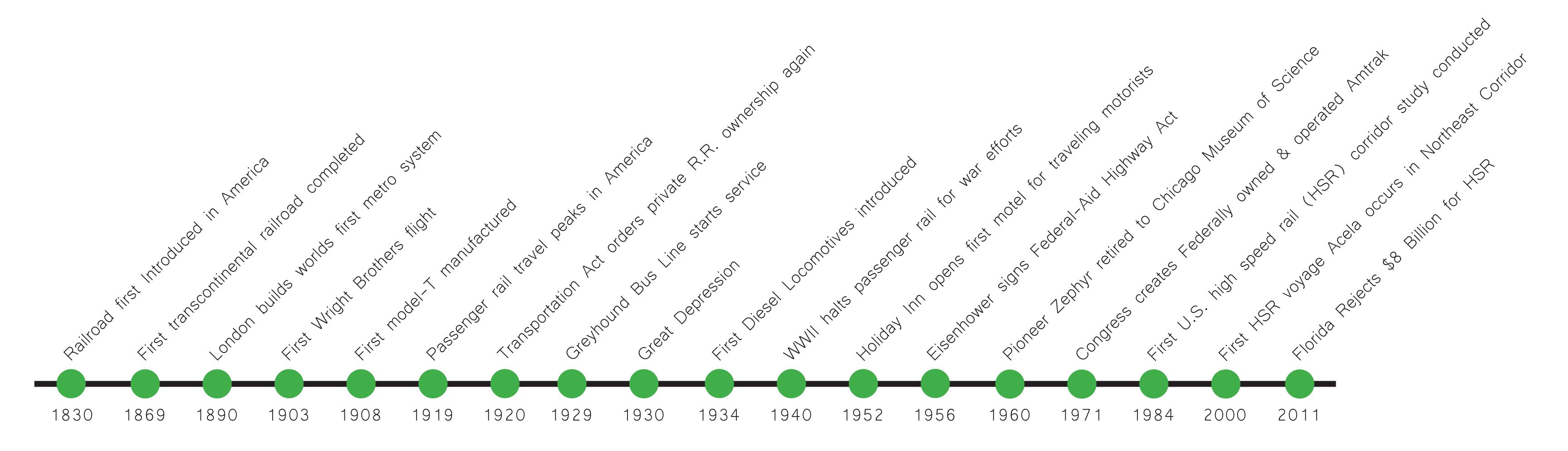
- -untimely mechanical failures
- -parking tickets
- -car insurance
- -purchase of a car
- -lisense and tabs fees
- -loss of time



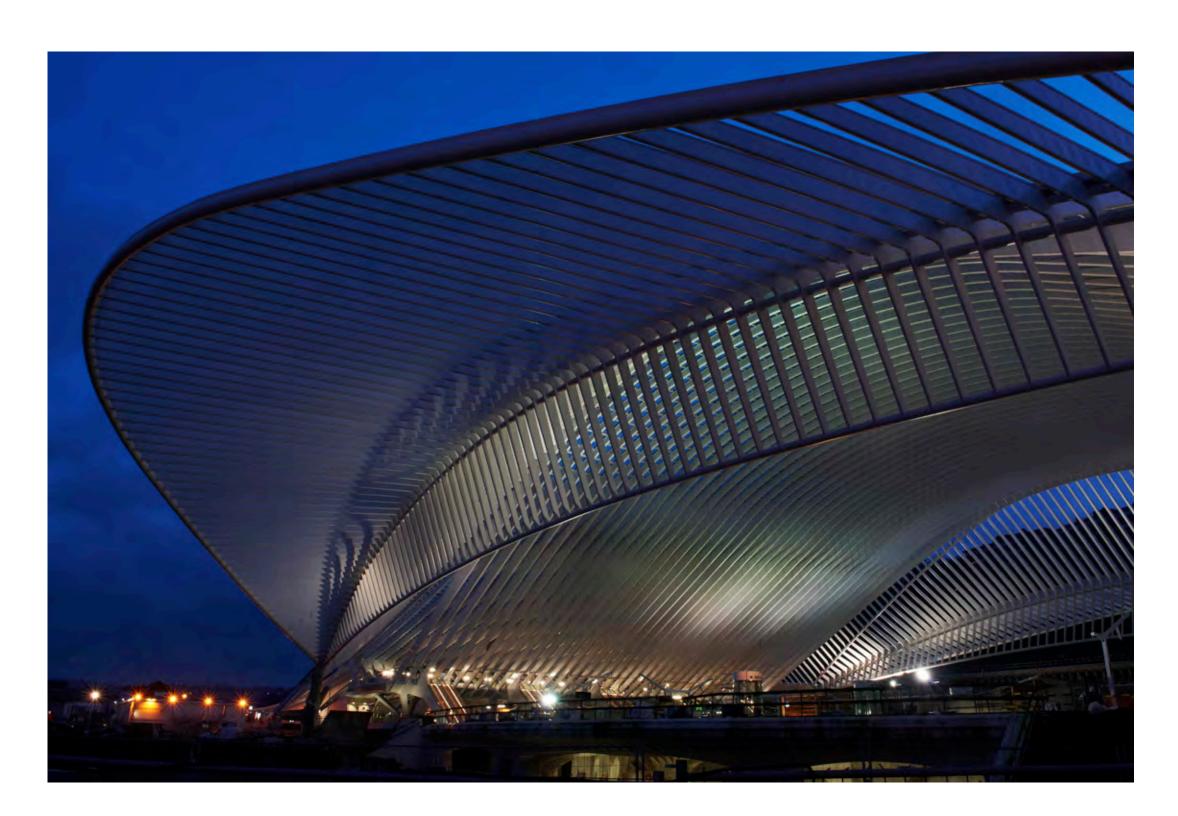
If pizza was free, would there ever be enough?

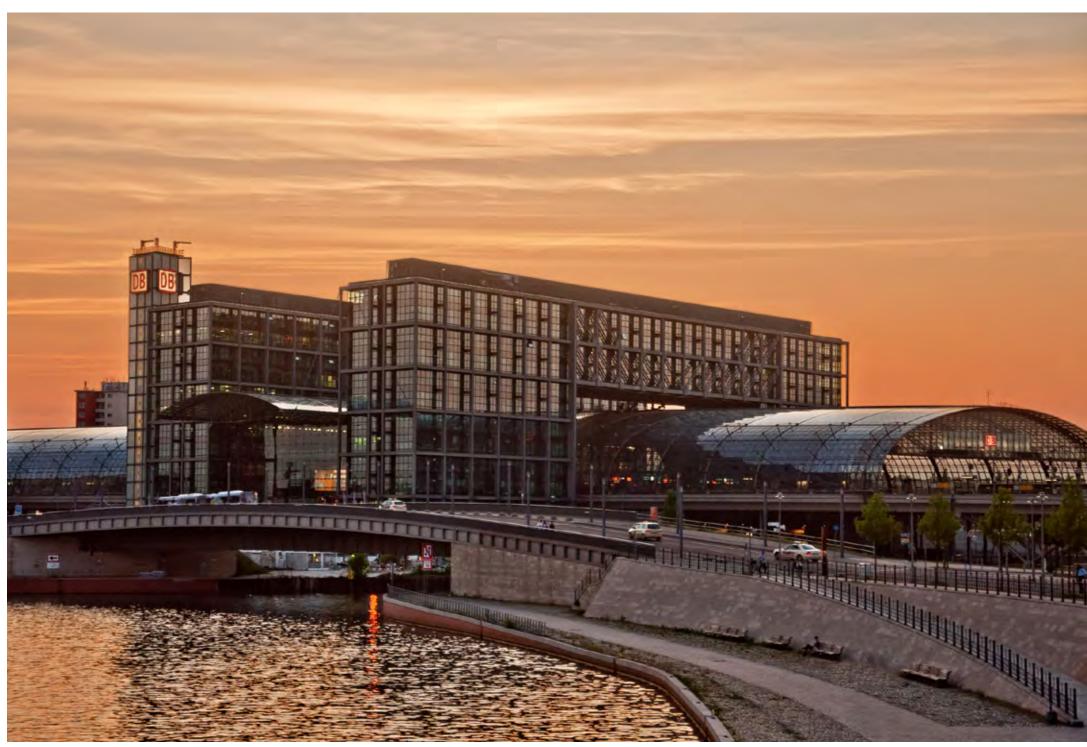
Transportation via personal automobile was once an exciting transition in America's transportation methodology, but times have changed. To ignore the environmental red flags and neglect our vast technological developments would be a grave injustice to American innovation. As an engineer at IBM framed it, "America is great at heart attacks but terrible with cancer." Meaning that when we have an emergency our ability to meet the need and overcome has been outstanding, but to imperceptibly dying a slow death, we've shockingly lacked haste.

Reactive or Proactive



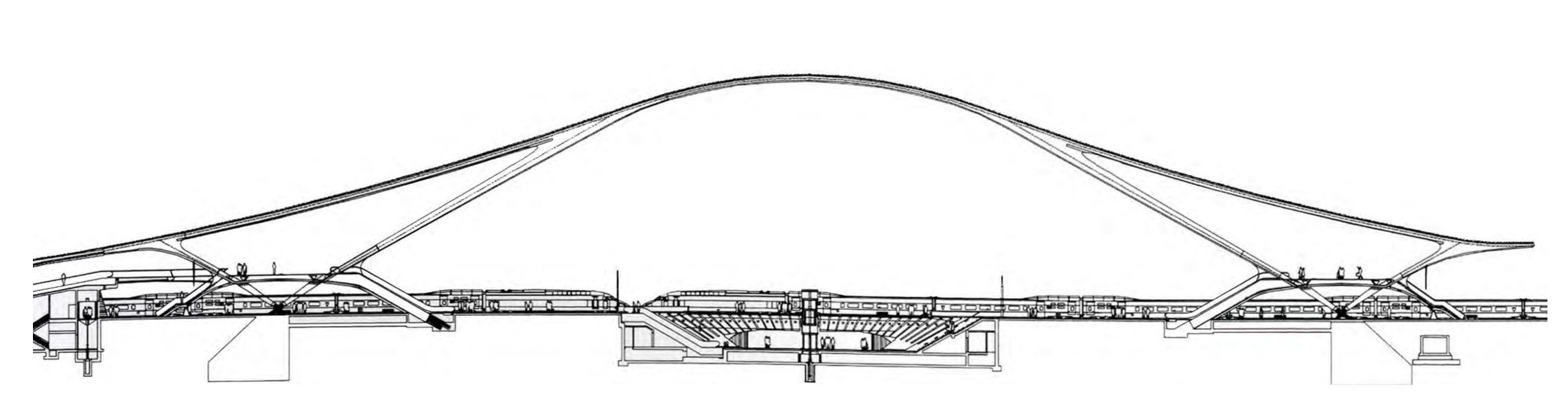
History

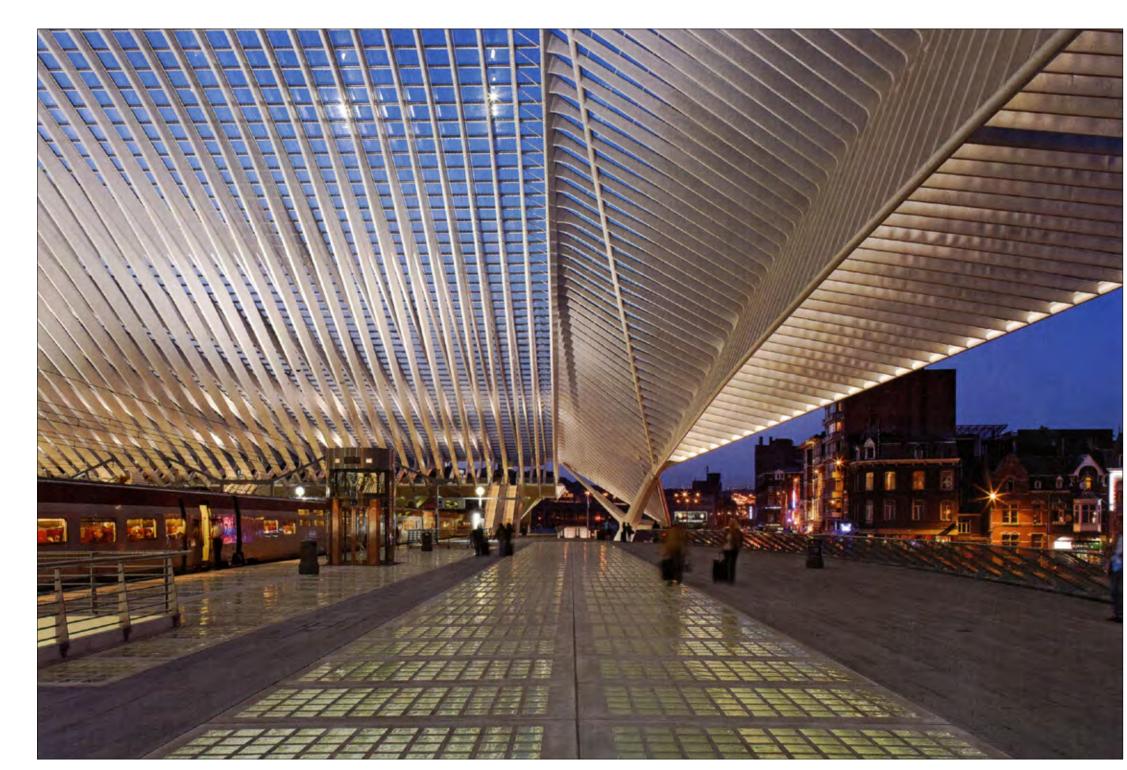




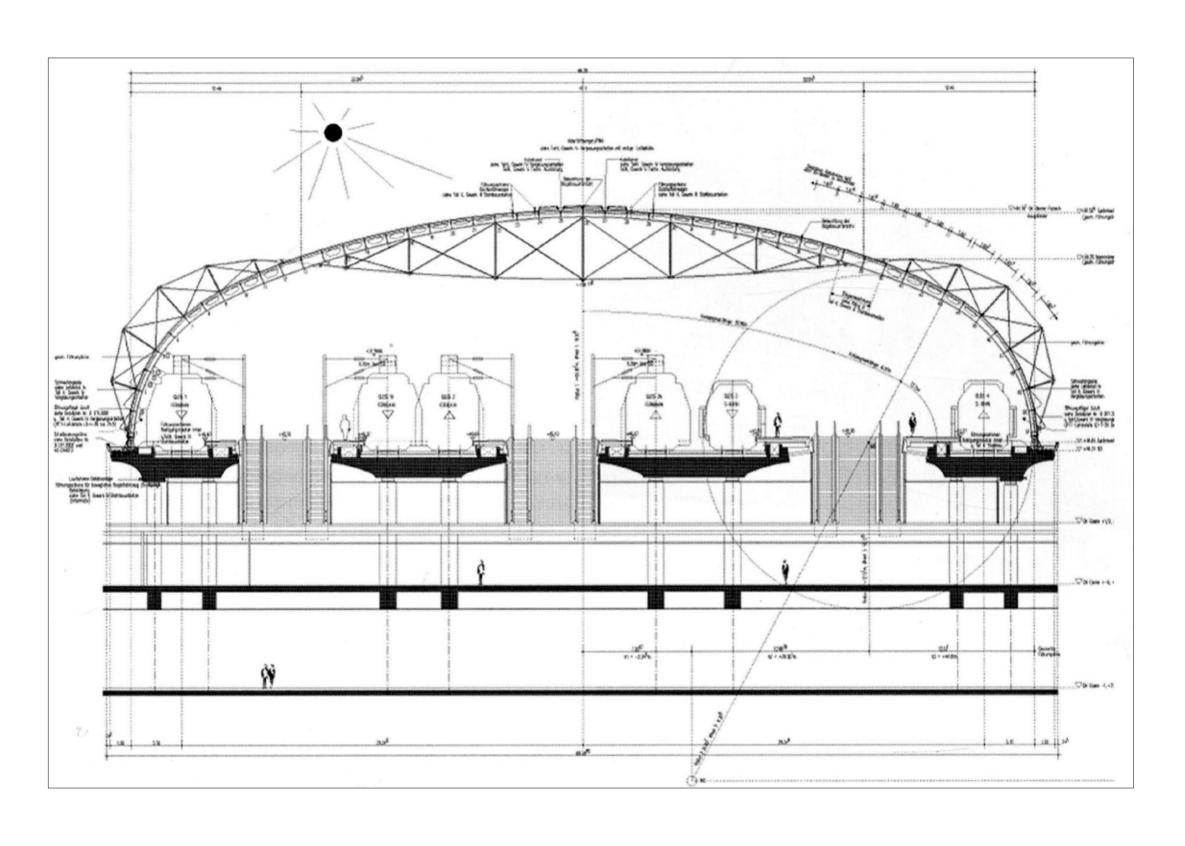


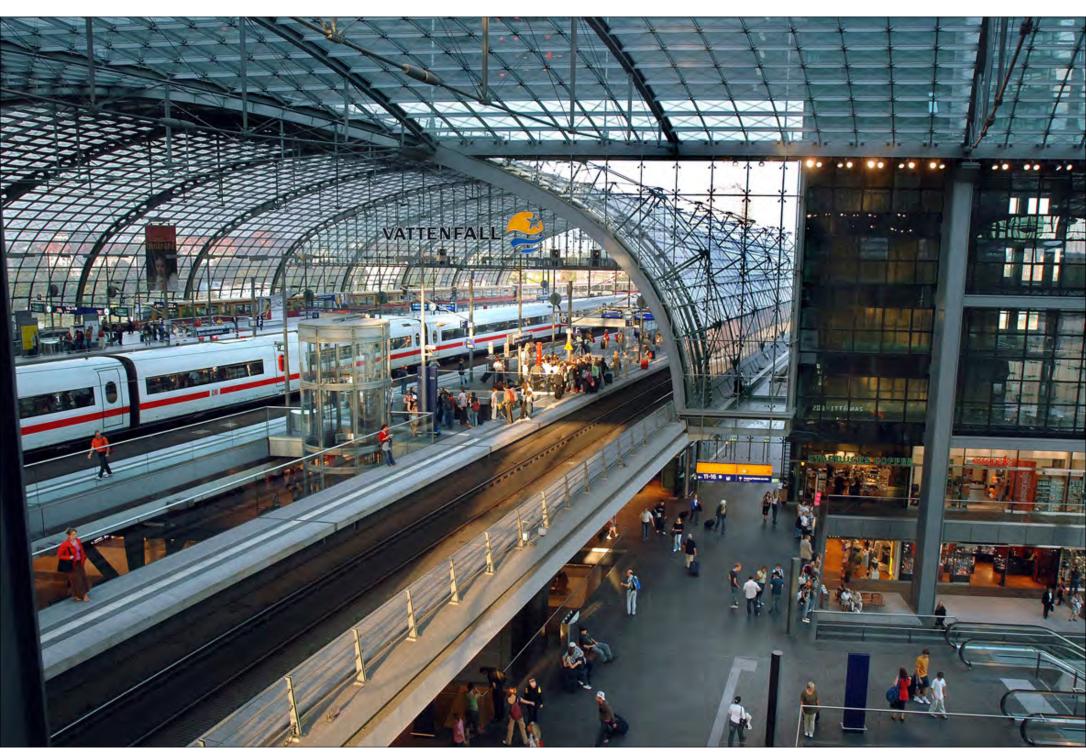
Liege, Belgium - Santiago Calatrava Berlin, Germany - Gerkan, Marg and Partners Melbourne, Australia - Nicholas Grimshaw Partners

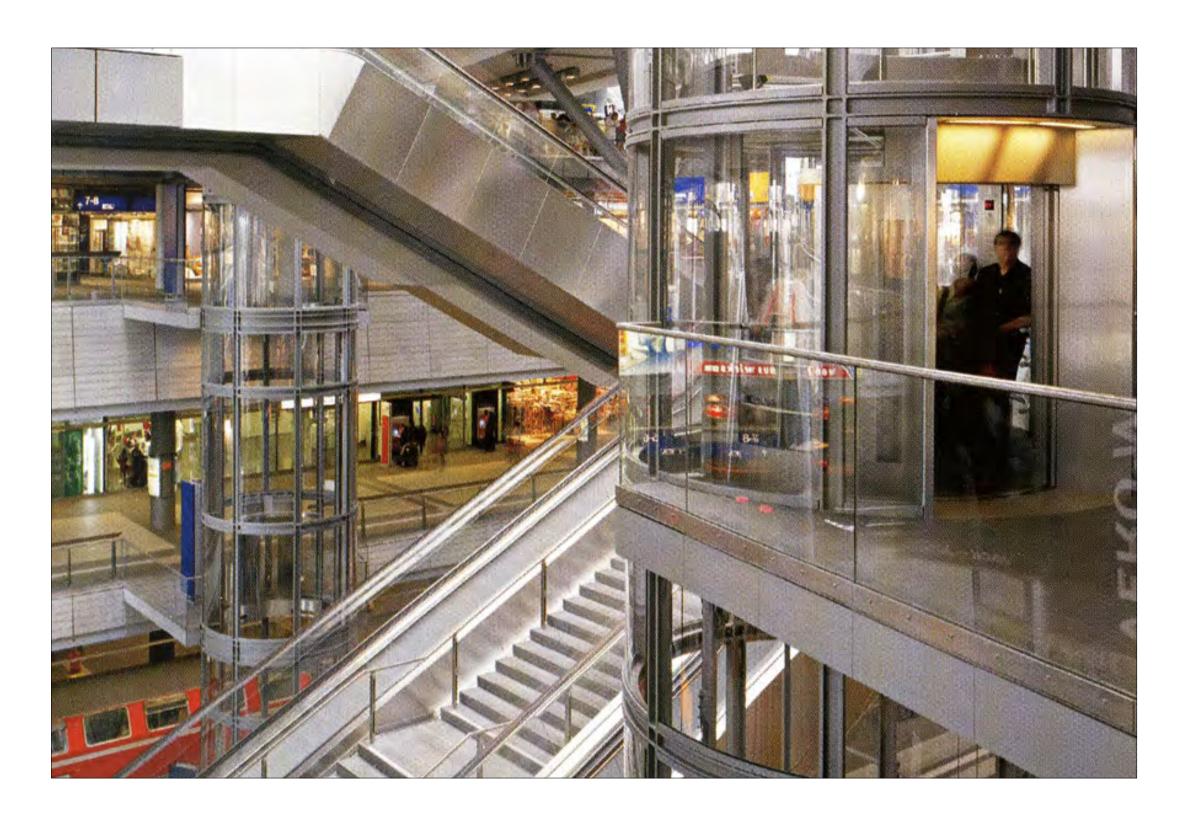




Liege - Grand Spaces, Large Spans Berlin - Intimate Curved Roof, Glazing Melbourne - Undulating Steel Structure

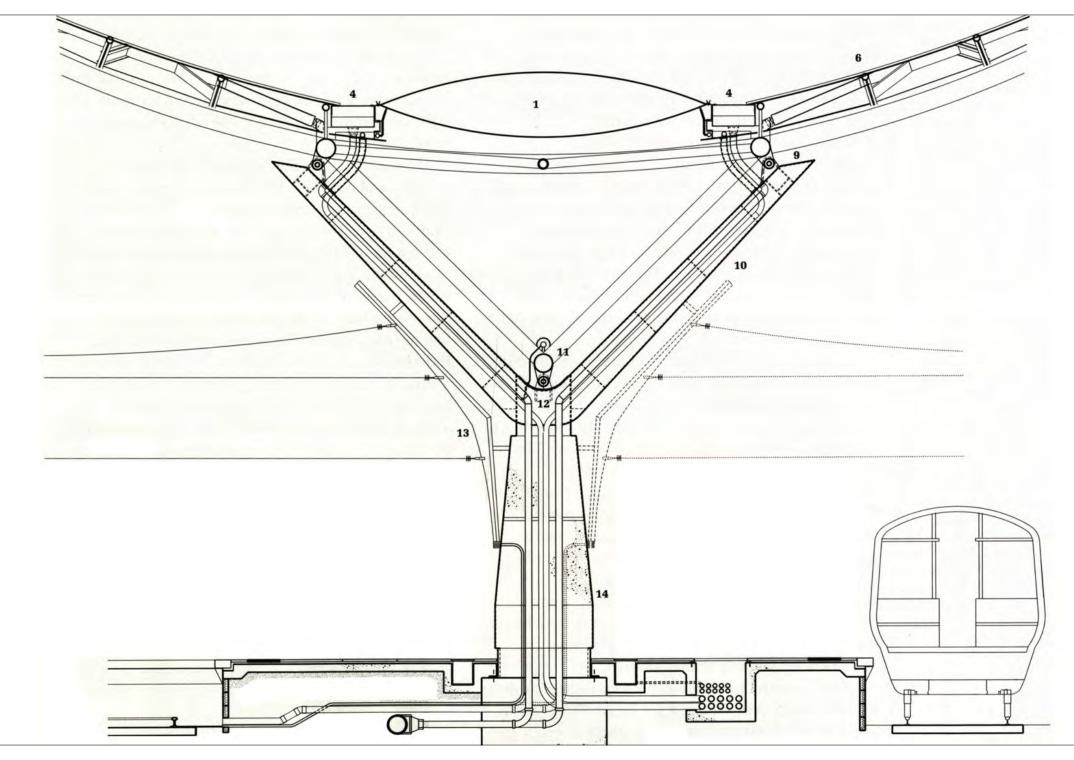


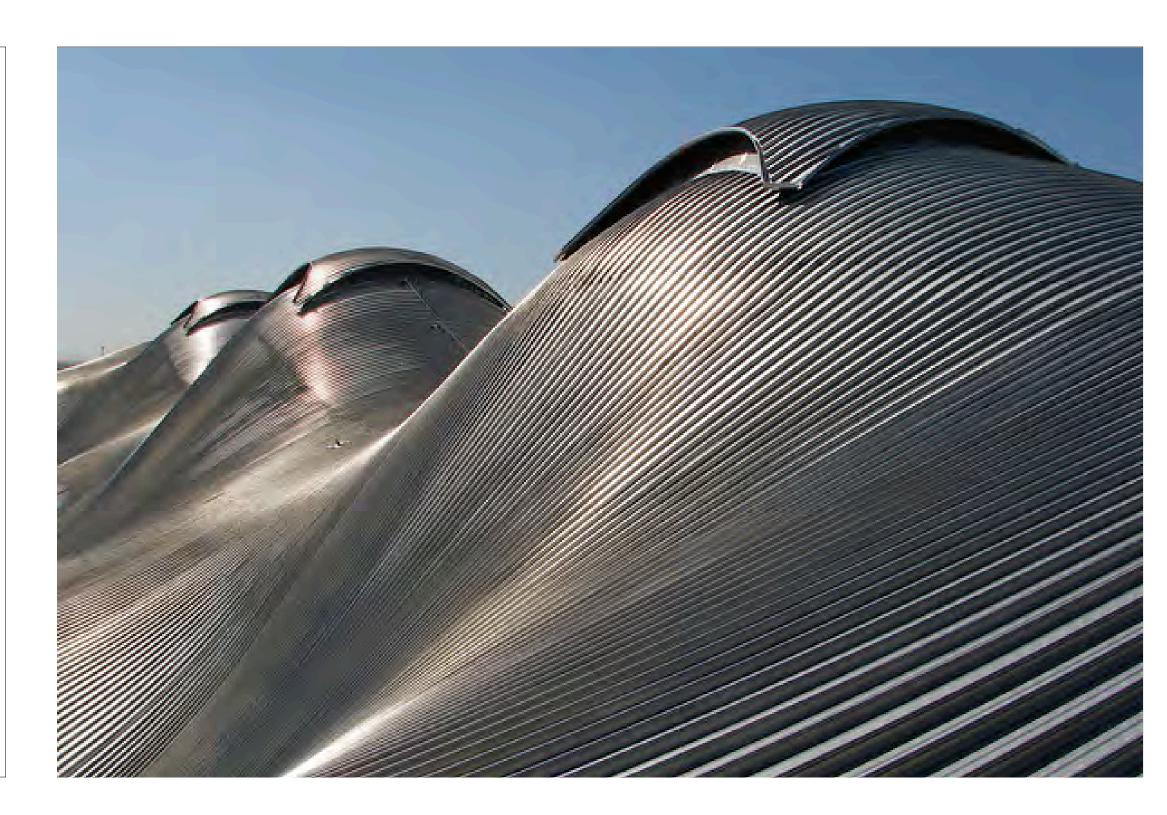




Liege - Grand Spaces, Large Spans Berlin - Intimate Curved Roof, Glazing Melbourne - Undulating Steel Structure

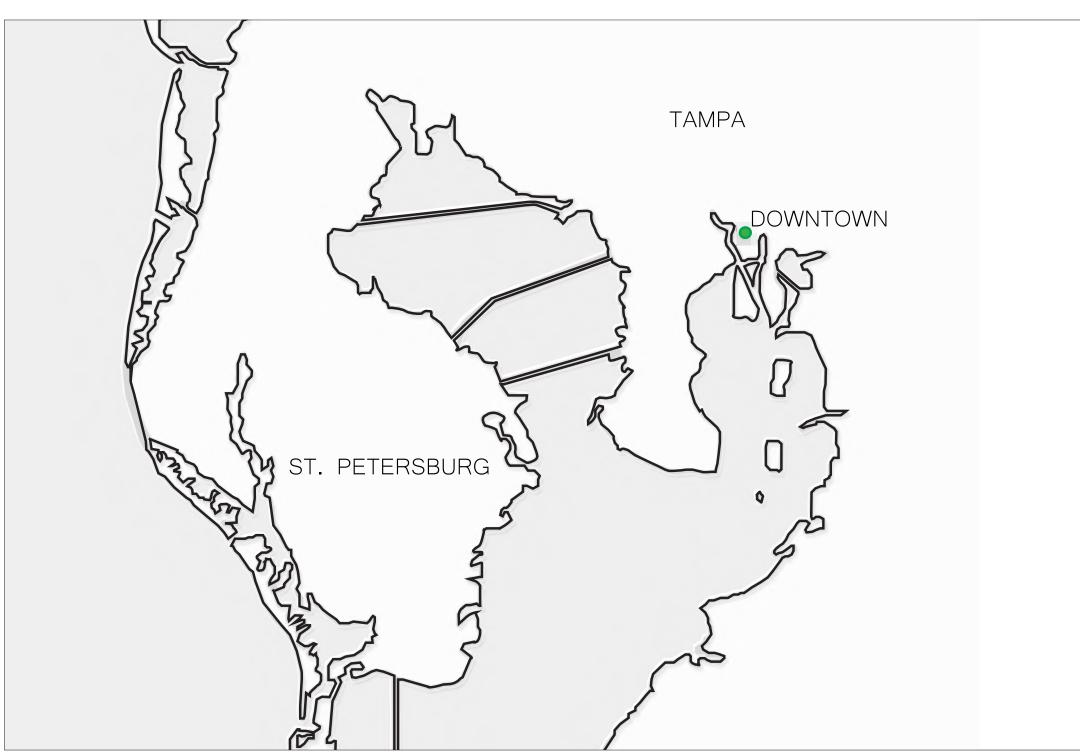






Liege - Grand Spaces, Large Spans Berlin - Intimate Curved Roof, Glazing Melbourne - Undulating Steel Structure

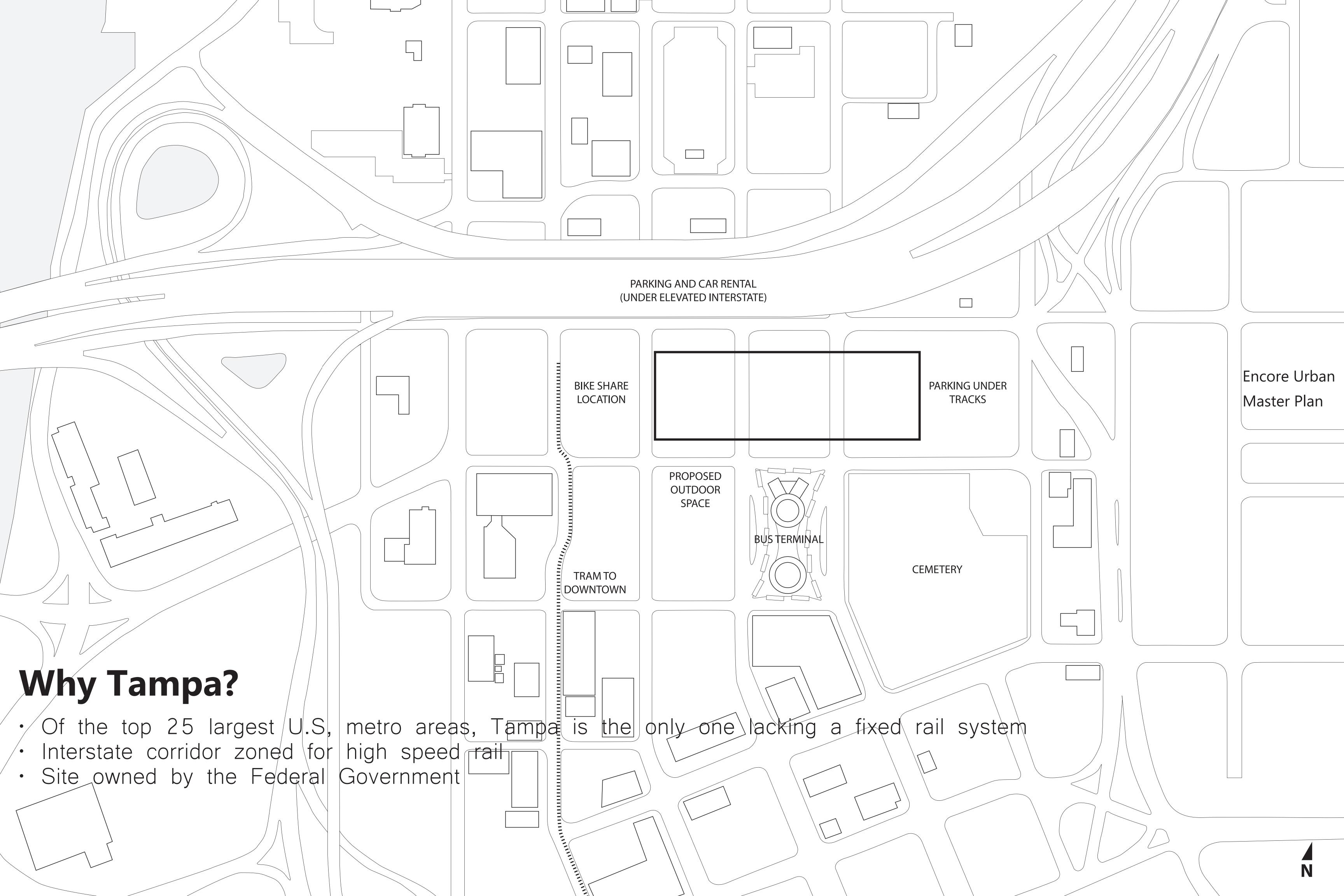


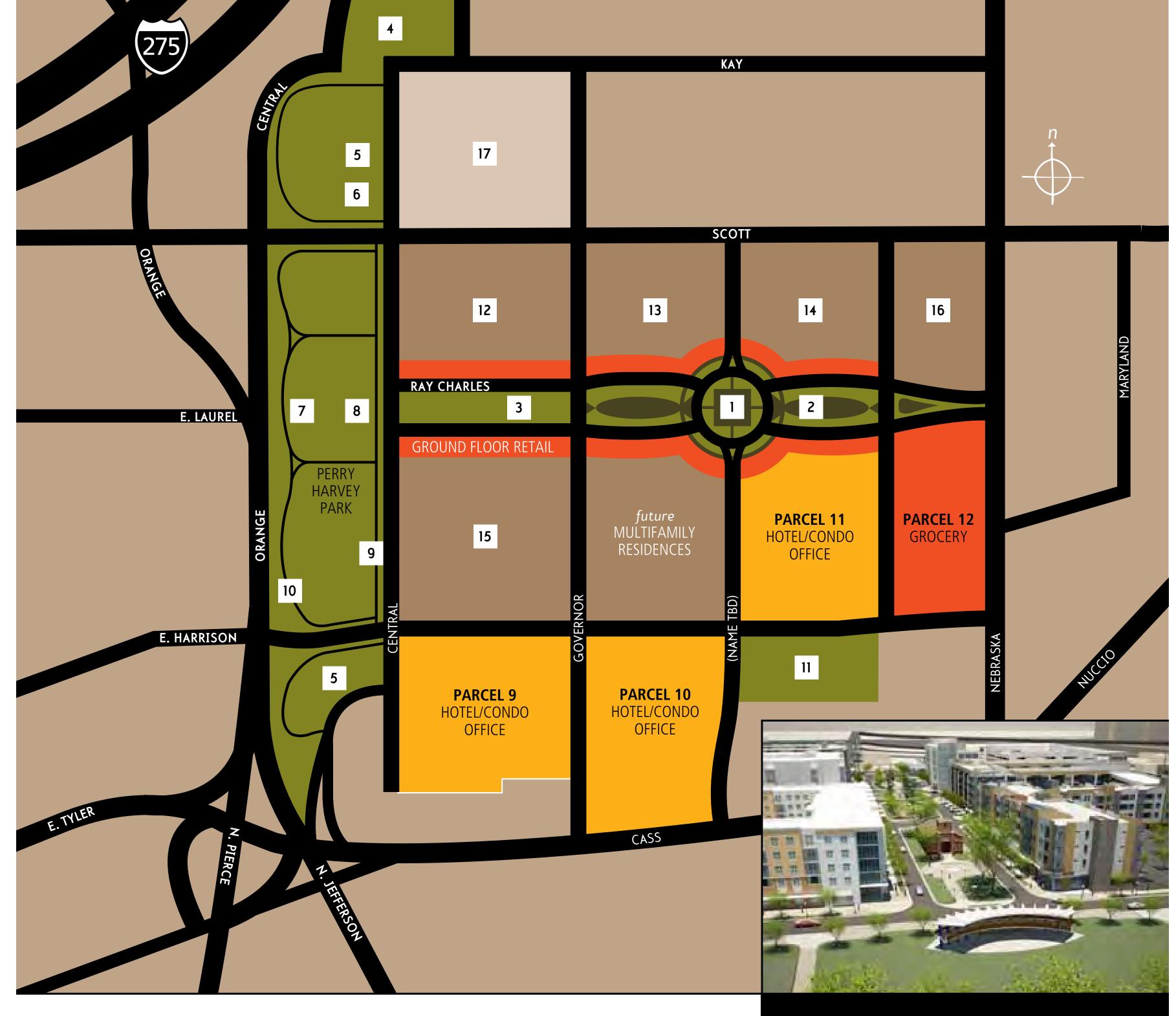




Location

Tampa, Florida - North of Downtown





Encore

Mixed-Use development



The walkable 40+ acre design blends commerce with community to form a city within a city. A formal town square with pathways, history museum, public artwork and relaxation niches is center stage to vibrant hotels, offices, apartments, retailers and restaurants.

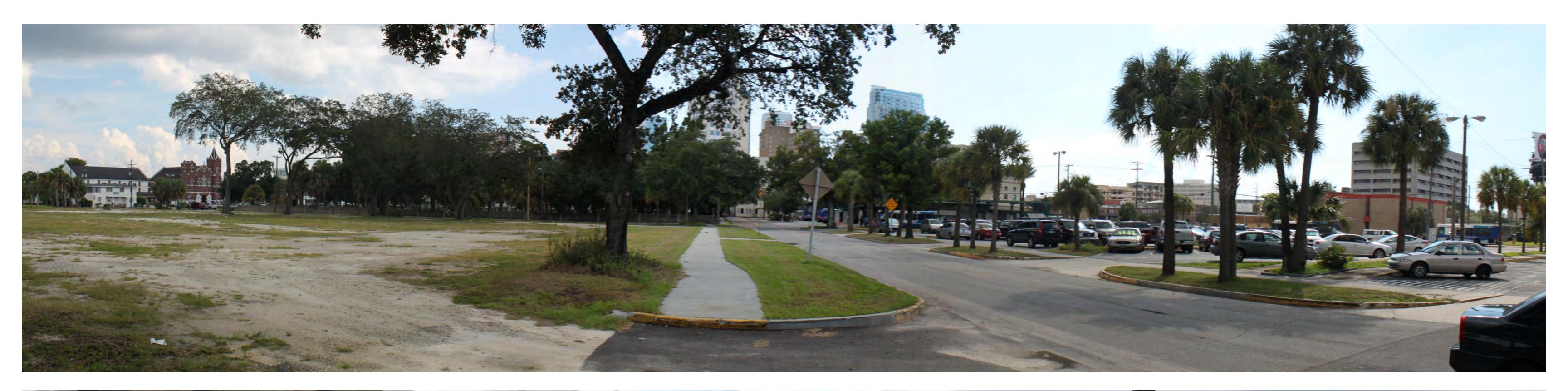
- 1 TOWN GREEN
- 2 CENTER STAGE
- 3 HISTORY MUSEUM
- 4 SKATE PARK
- 5 PLAYGROUNDS
- 6 COMMUNITY CENTER
- 7 AMPHITHEATER
- 8 PERFORMANCE STAGE
- 9 HISTORY WALK
- **10** PATHWAYS
- 11 SOLAR PARK
- **12** TEMPO APARTMENT HOMES
- **13** THE ELLA SENIOR APARTMENT HOMES
- **14** REED APARTMENT HOMES
- **15** TRIO APARTMENT HOMES
- **16** RETAIL

17 MIDDLE SCHOOL



HSR Vision

Federal Transportation Administrations proposed map of future rail development





Documentation

Elevated Interstate, Vacant Lot

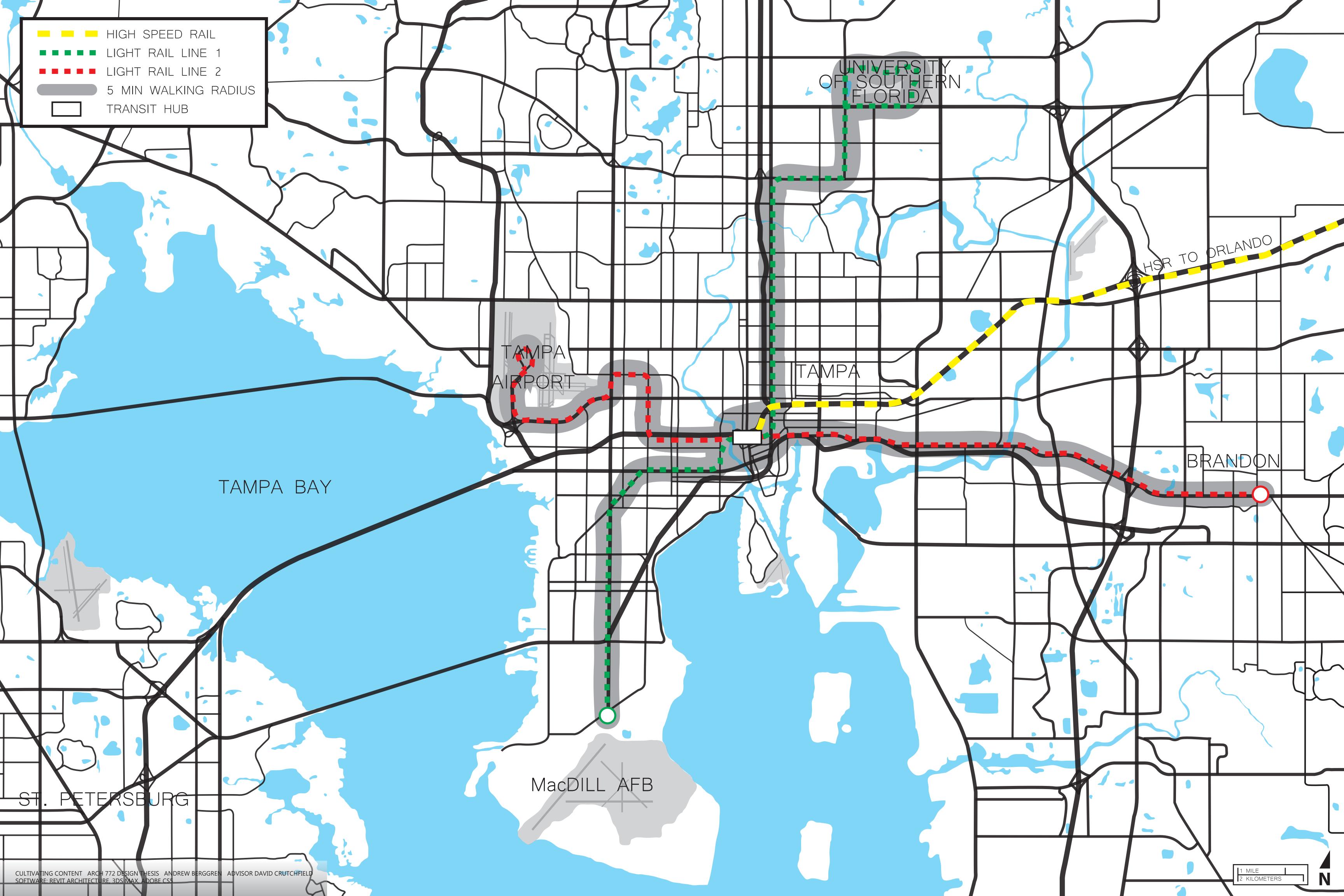






Documentation

Underside of Interstate, New Housing Complex, Bus Station



PROGRAMMATIC REQUIREMENTS

Total = 200,000 Sq. Ft.

Main Concourse - 75,000 Sq. Ft. entry, concourse

Lobby - 30,000 Sq. Ft. lobby, waiting area, tech lounge *primary area for social interaction

<u>Information</u> – 10,000 Sq. Ft.

general information, tourism information, directions, translation services

*Introductory guides to Tampa and Florida available along with linguistic services

<u>Ticket Office</u> – 6,000 Sq. Ft. ticket sales

Currency Exchange/ATM - 3,000 Sq. Ft.

Art Gallery - 2,000 Sq. Ft.

*an art gallery will give local artist an opportunity for waiting passengers to browse their work

Chapel - 1,000 Sq. Ft.

*a quiet place for patrons to reflect and pray

Restaurants - 20,000 Sq. Ft.
restaurants, coffee shop
*will provide a space for customers to interact, peopl

*will provide a space for customers to interact, people watch or take food to go

Retail - 30,000 Sq. Ft.

electronic shop, florist, newspaper stand, book store, clothing/rain wear shop, bicycle repair shop *picking up a gift or grabbing a needed power cord

<u>Business Offices</u> - 35,000 Sq. Ft. facilities management, operations and billing *potentially a central office for the trasportation department of Hillsborough County

Storage/Mailroom - 18,000 Sq. Ft. facility storage, maintenance, mail, lockers

Custodial - 5,000 Sq. Ft.

Police Department - 10,000 Sq. Ft. *the local PD will occupy a space in this bustling facility to ensure order and safety

Rail Platforms - 200,000 Sq. Ft.

light rail and a high speed rail lines

*enhanced with digital screens and real time train info

Building Mechanical – 20,000 Sq. Ft. HVAC, plumbing, electrical, utilities, storage

Rail Mechanical - 16,000 Sq. Ft. electrical power, maintenance equipment

Restrooms - 18,000 Sq. Ft. multiple locations, single sex bathrooms, exterior rest rooms and private employee rest rooms

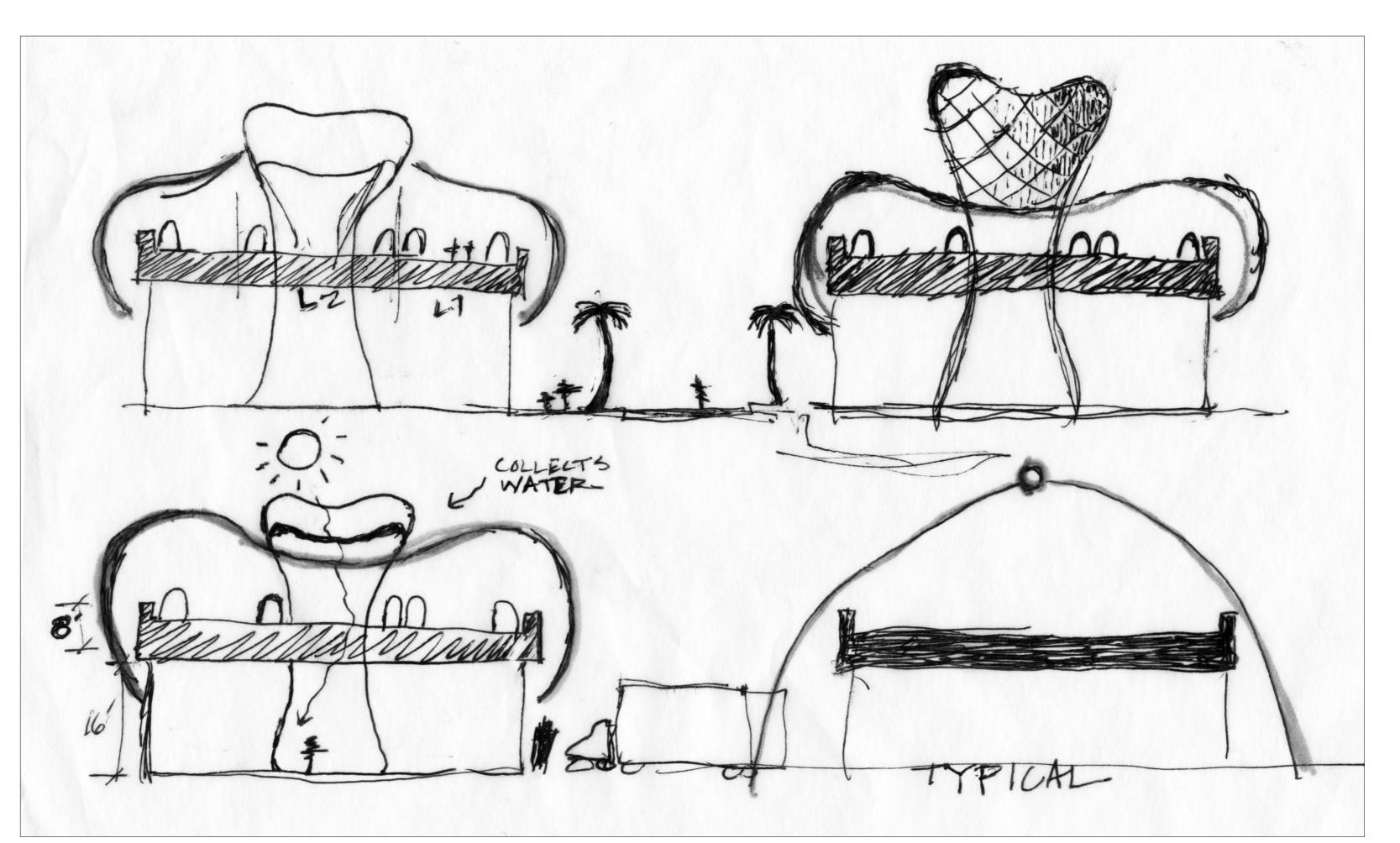
Bicycle Housing - undefined

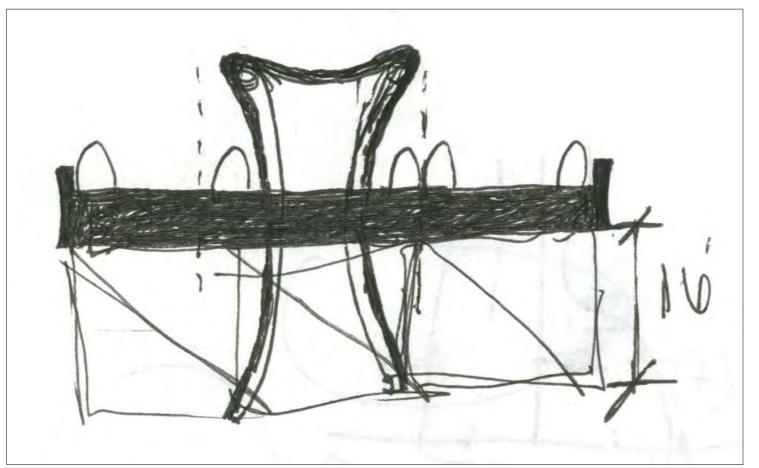
*exterior accessed bicycle housing will encourage a healthy method arriving and departing from the station

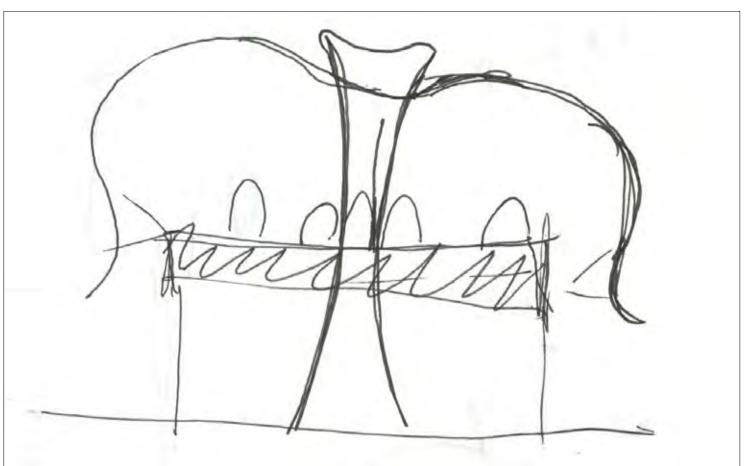
Green Spaces - undefined

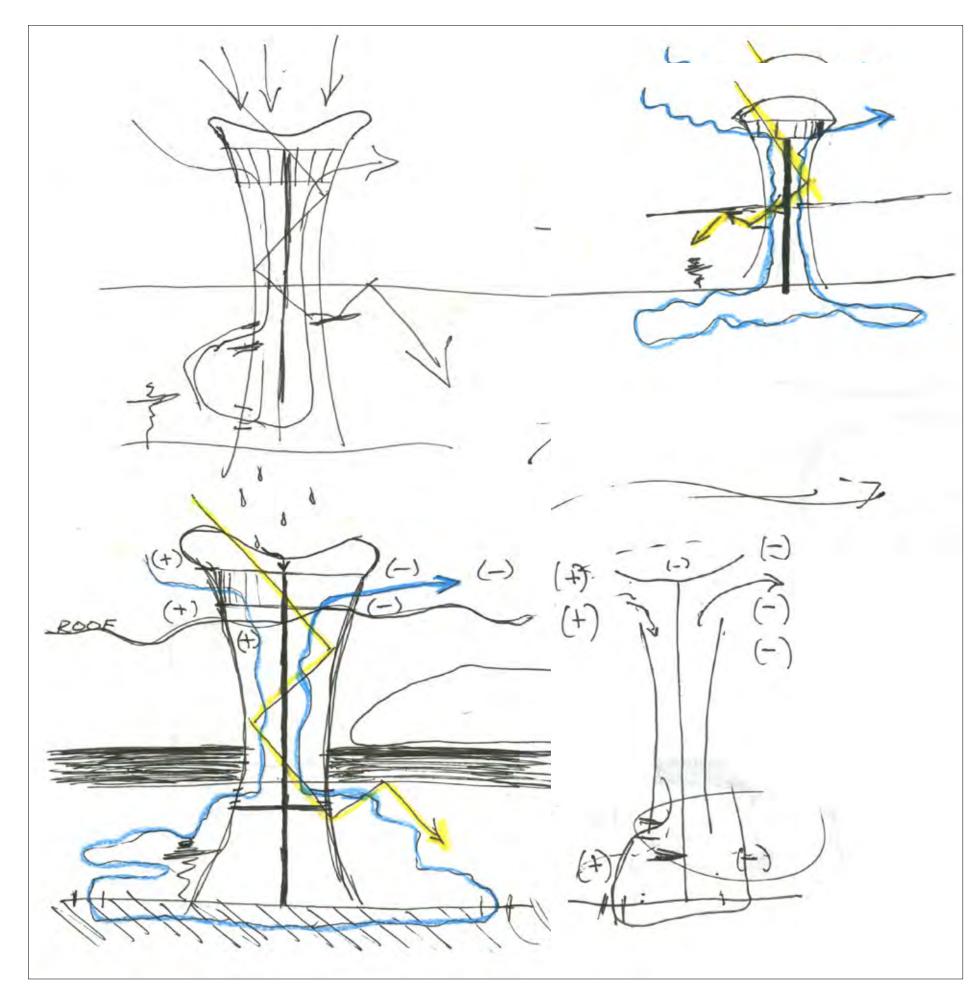
*green spaces both indoors and outdoors will be essential to establishing a healthy connection to nature

CONCEPTUAL DESIGN



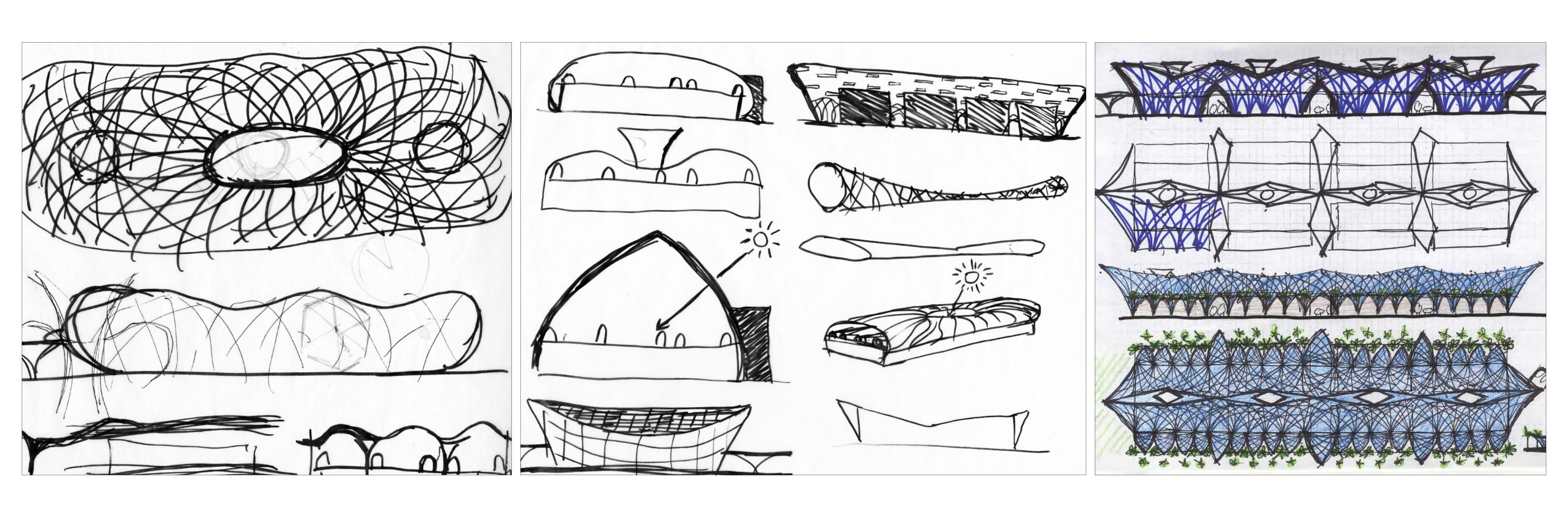






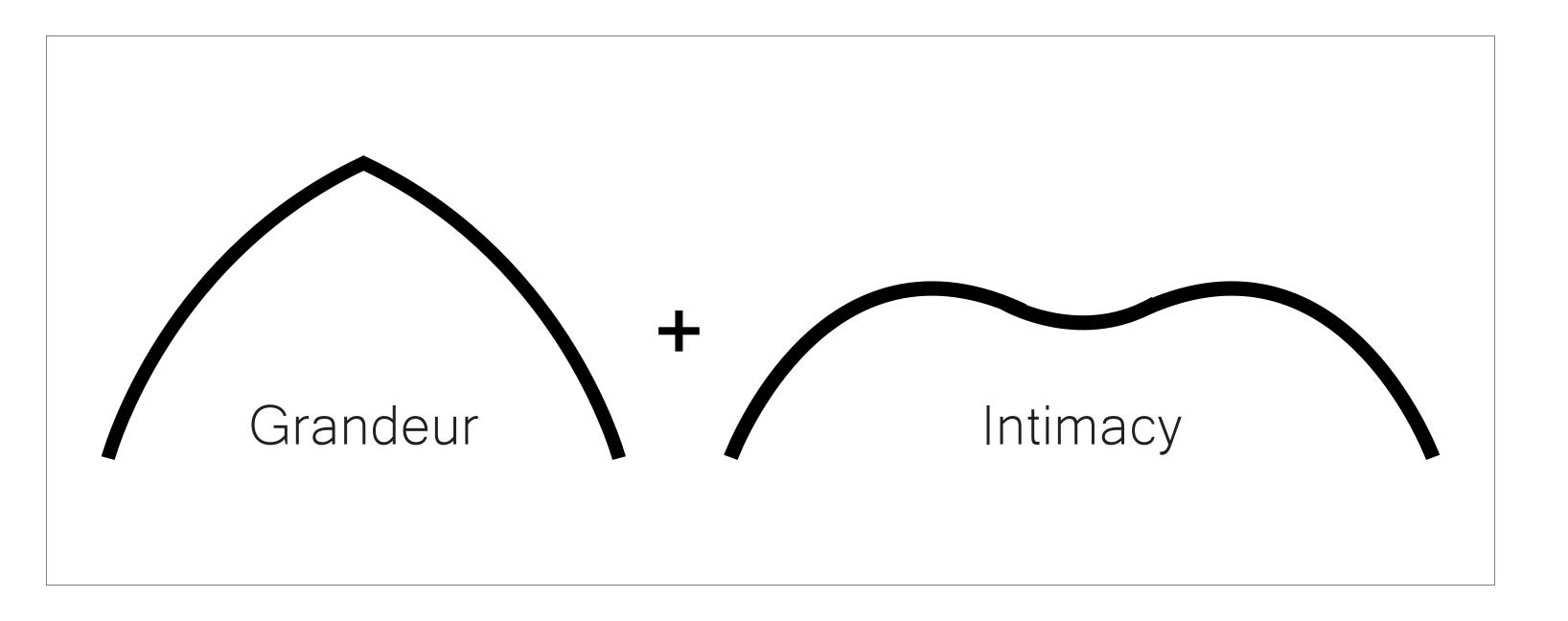
Concepts

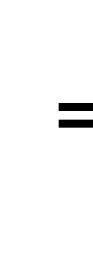
Tropical, Energetic, Grand, Welcoming, Intimate, Dynamic

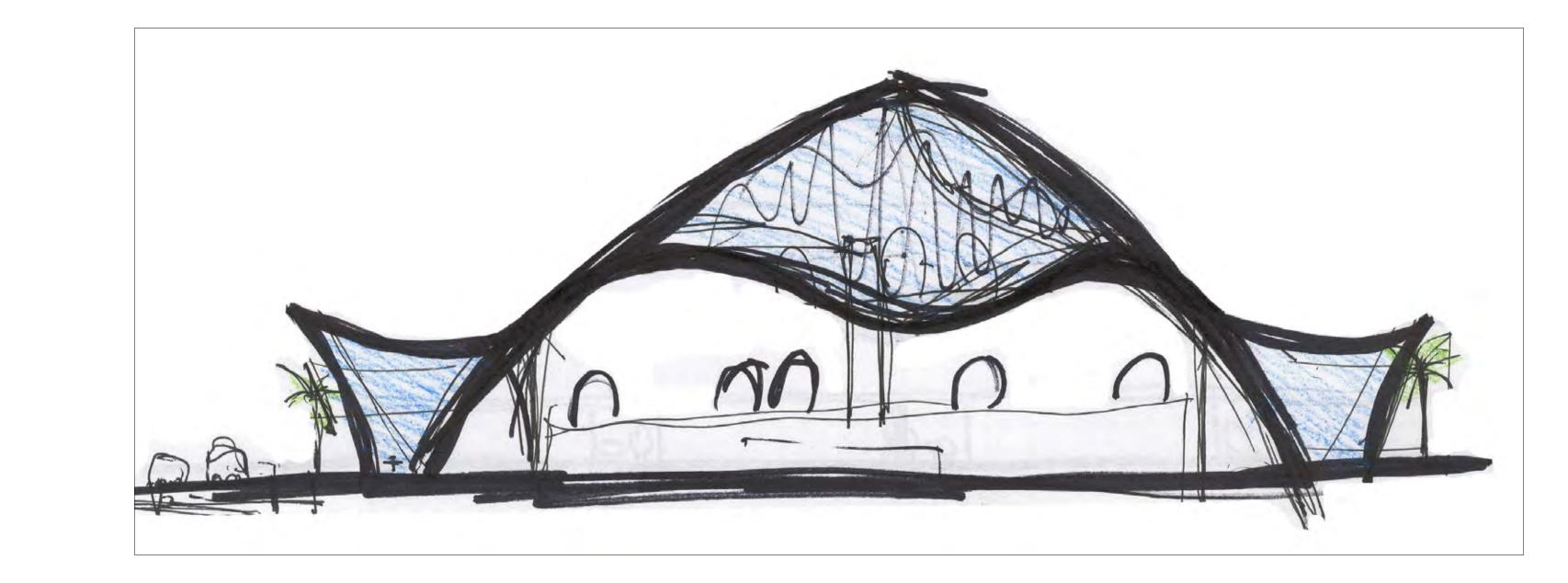


Concepts

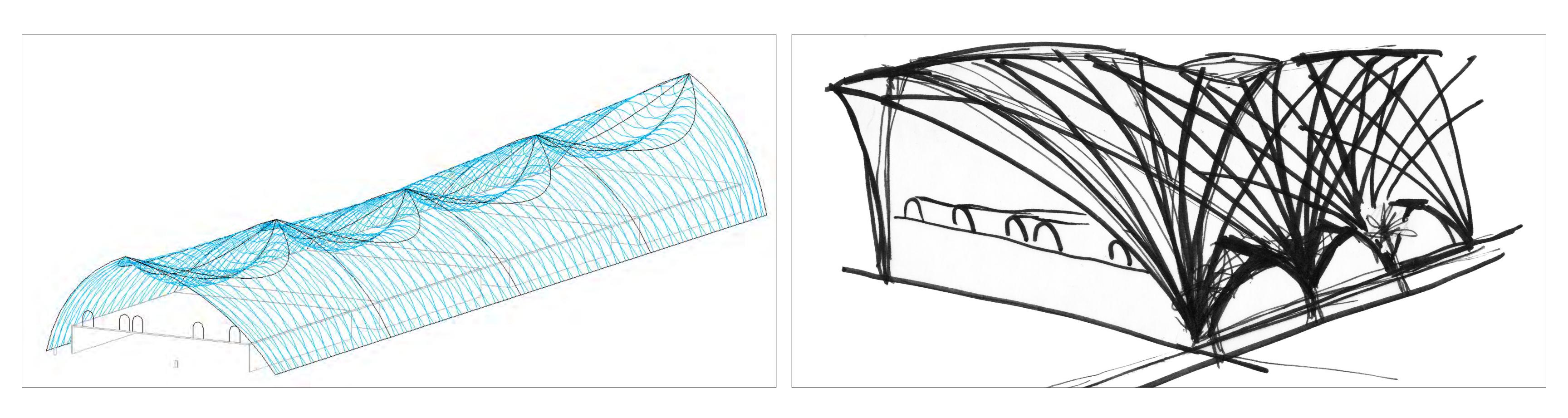
Elevated platform would eliminate dangerous at-grade crossings







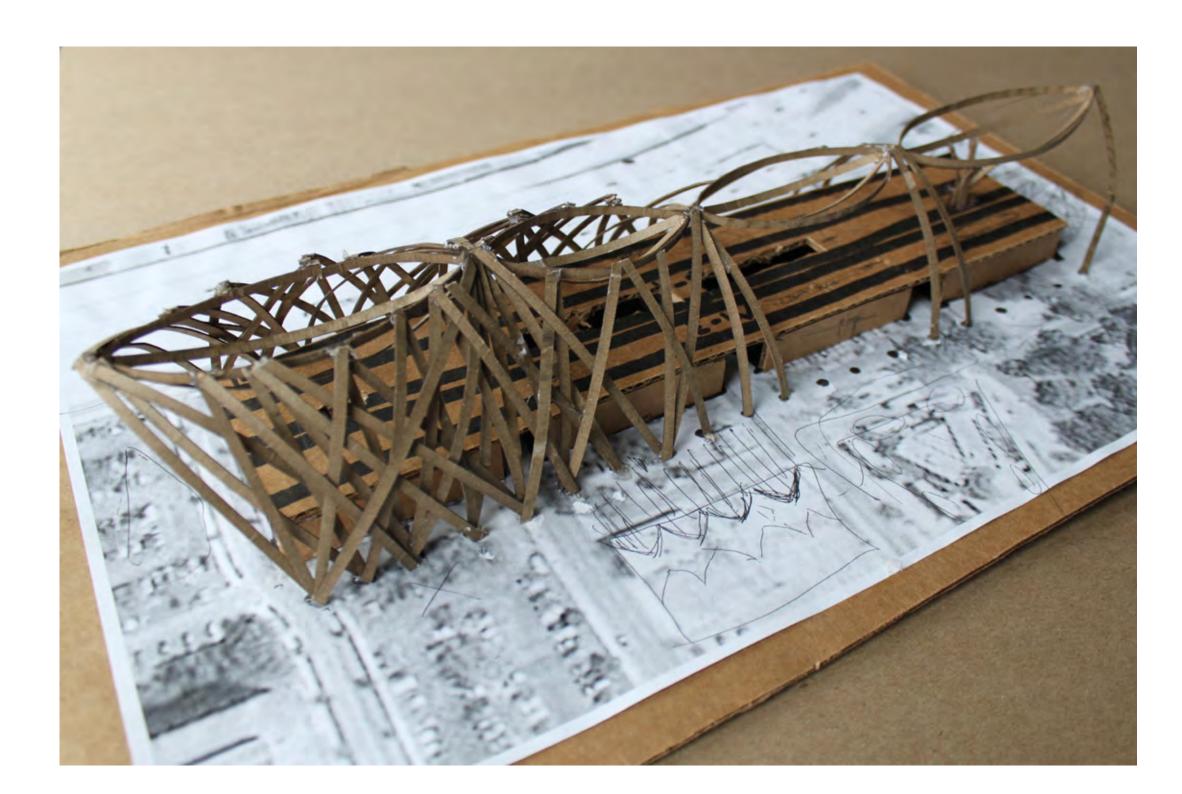
Form



Form

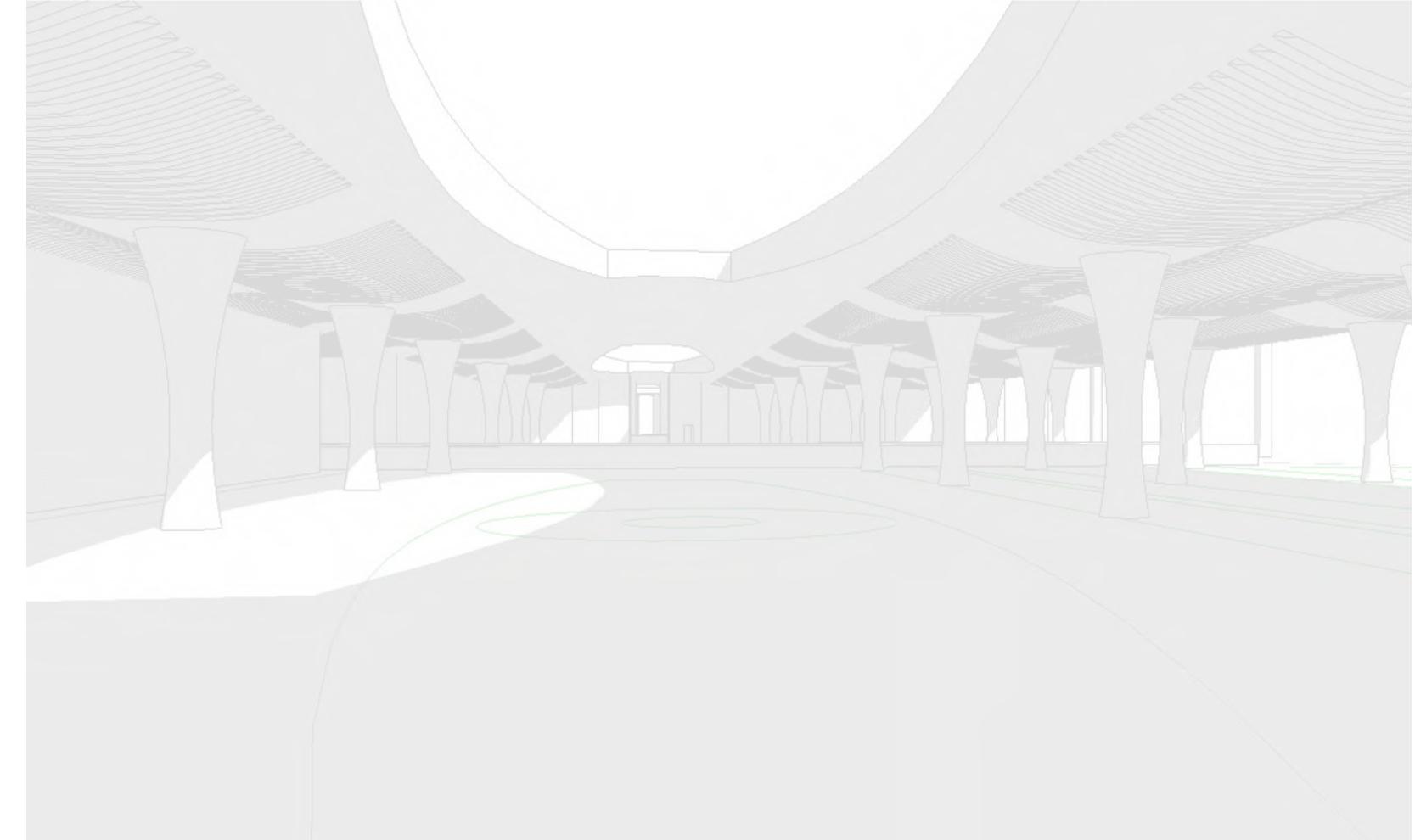






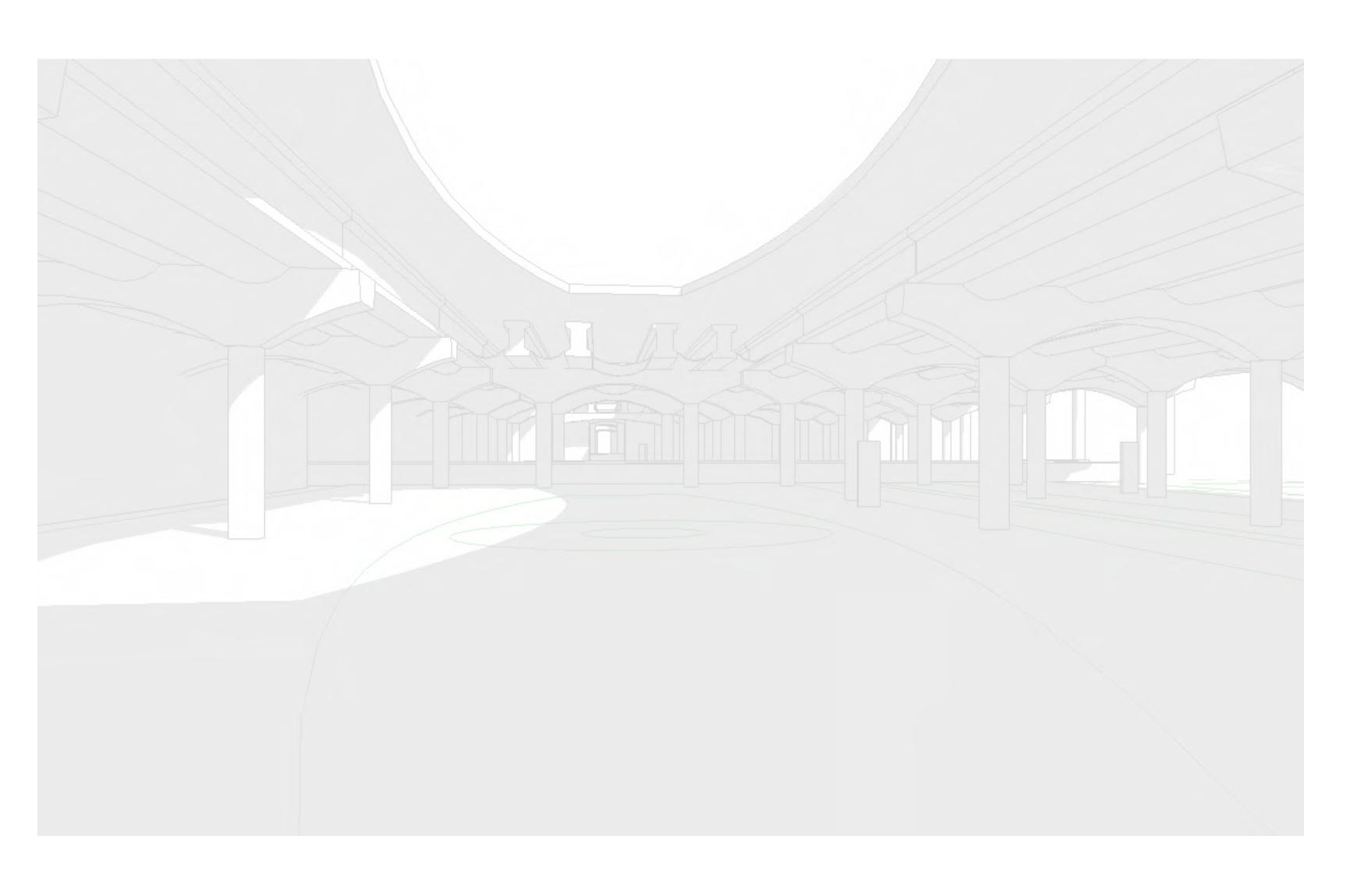
Model

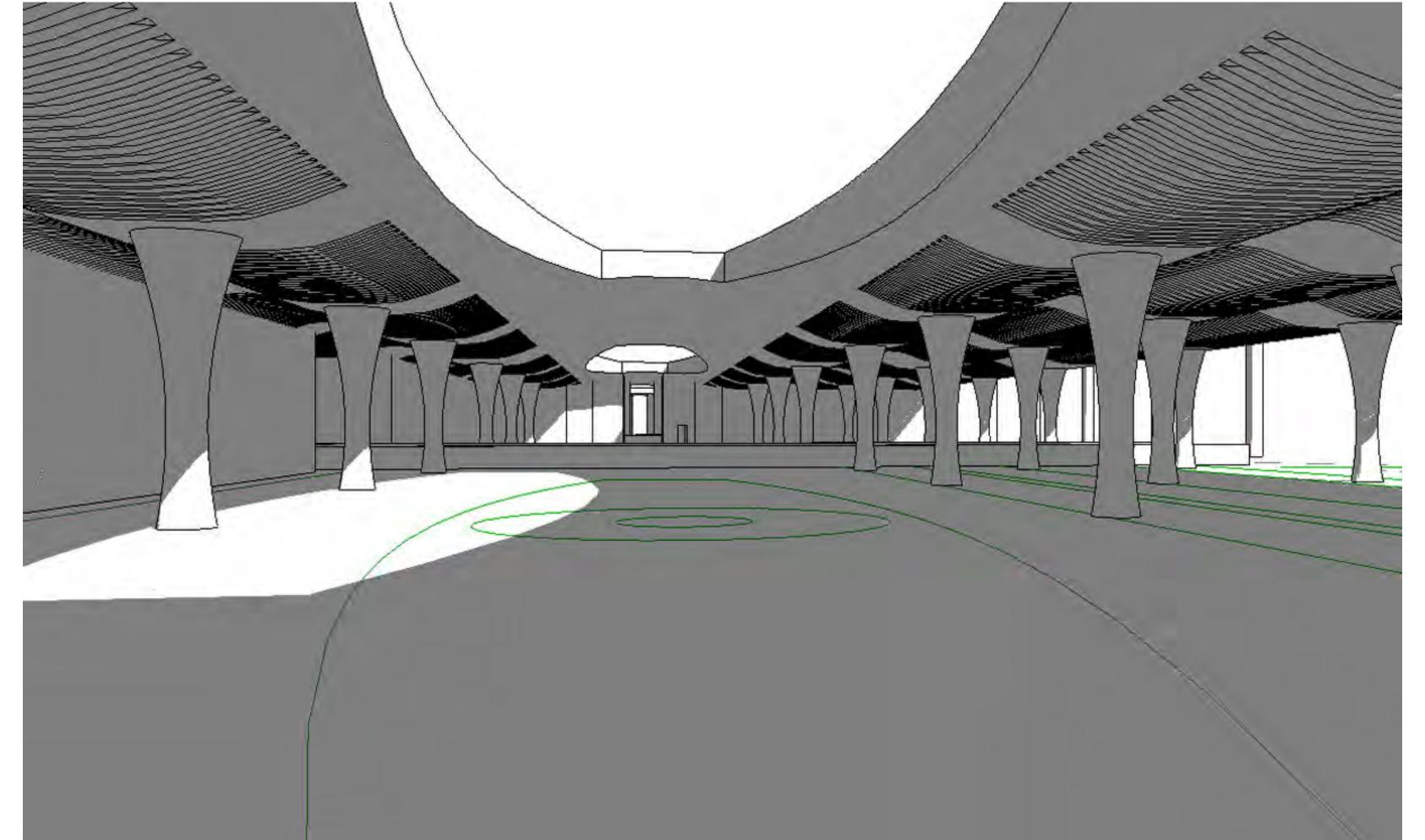




Structure

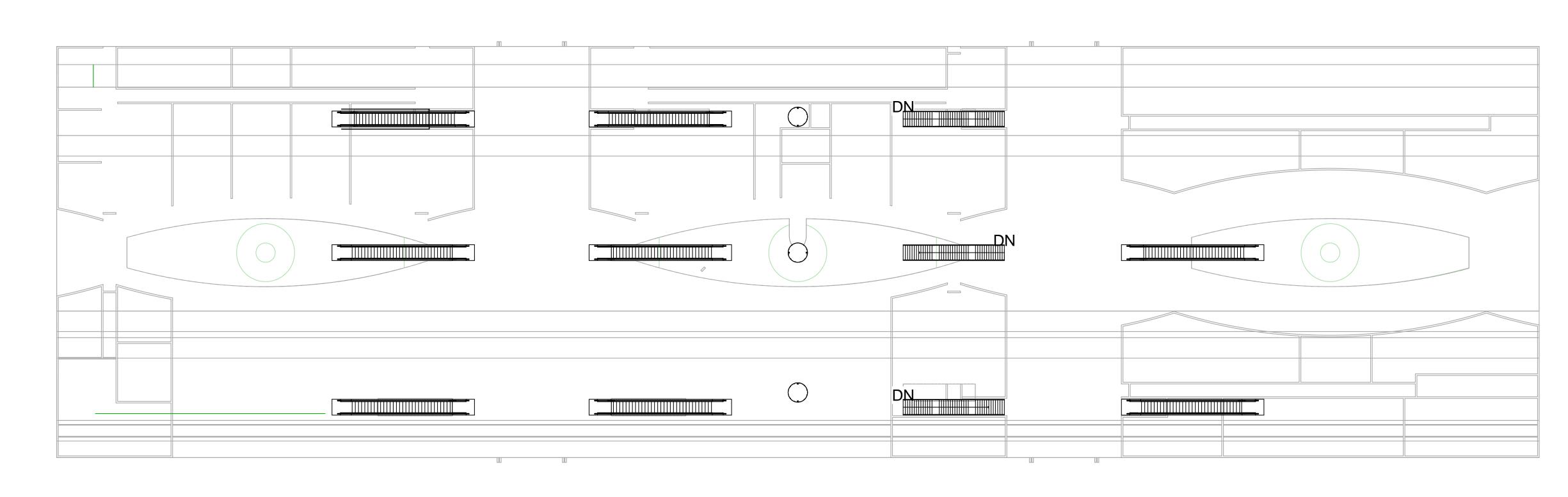
Support or Sense of Place?



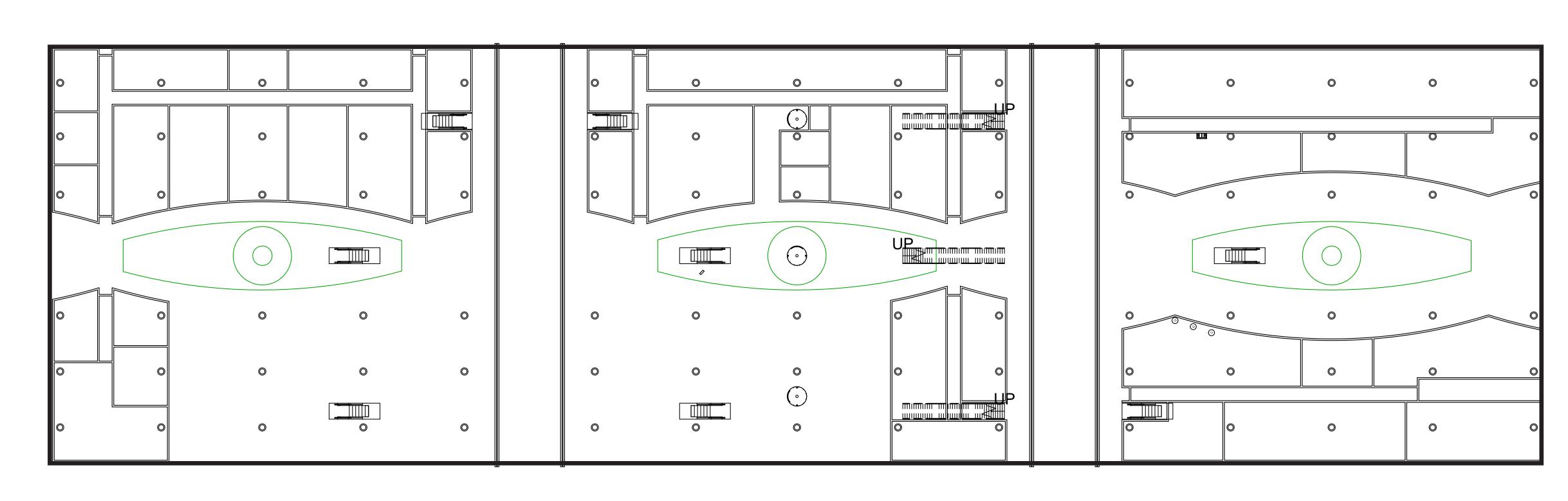


Structure

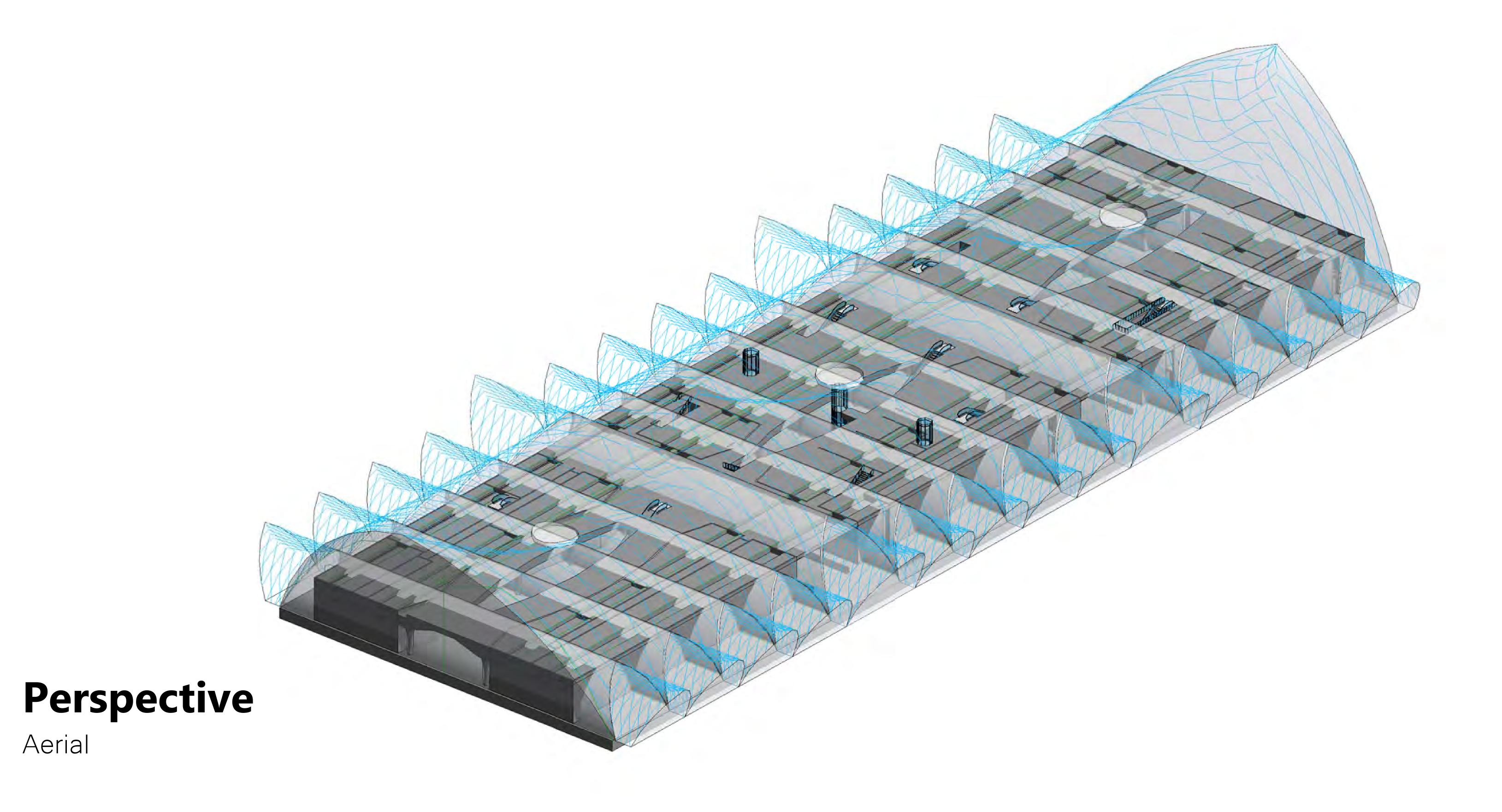
Sense of Place.

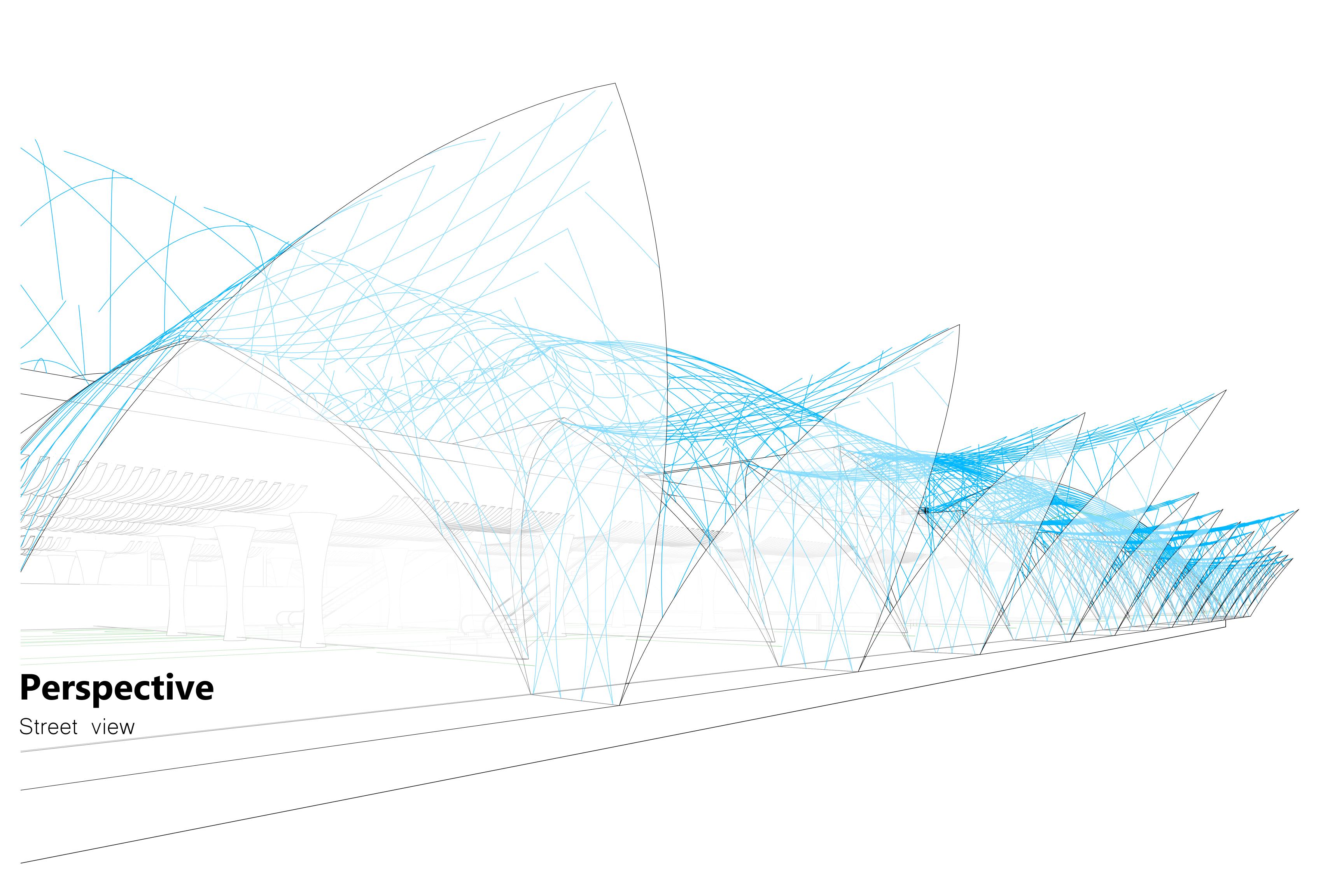


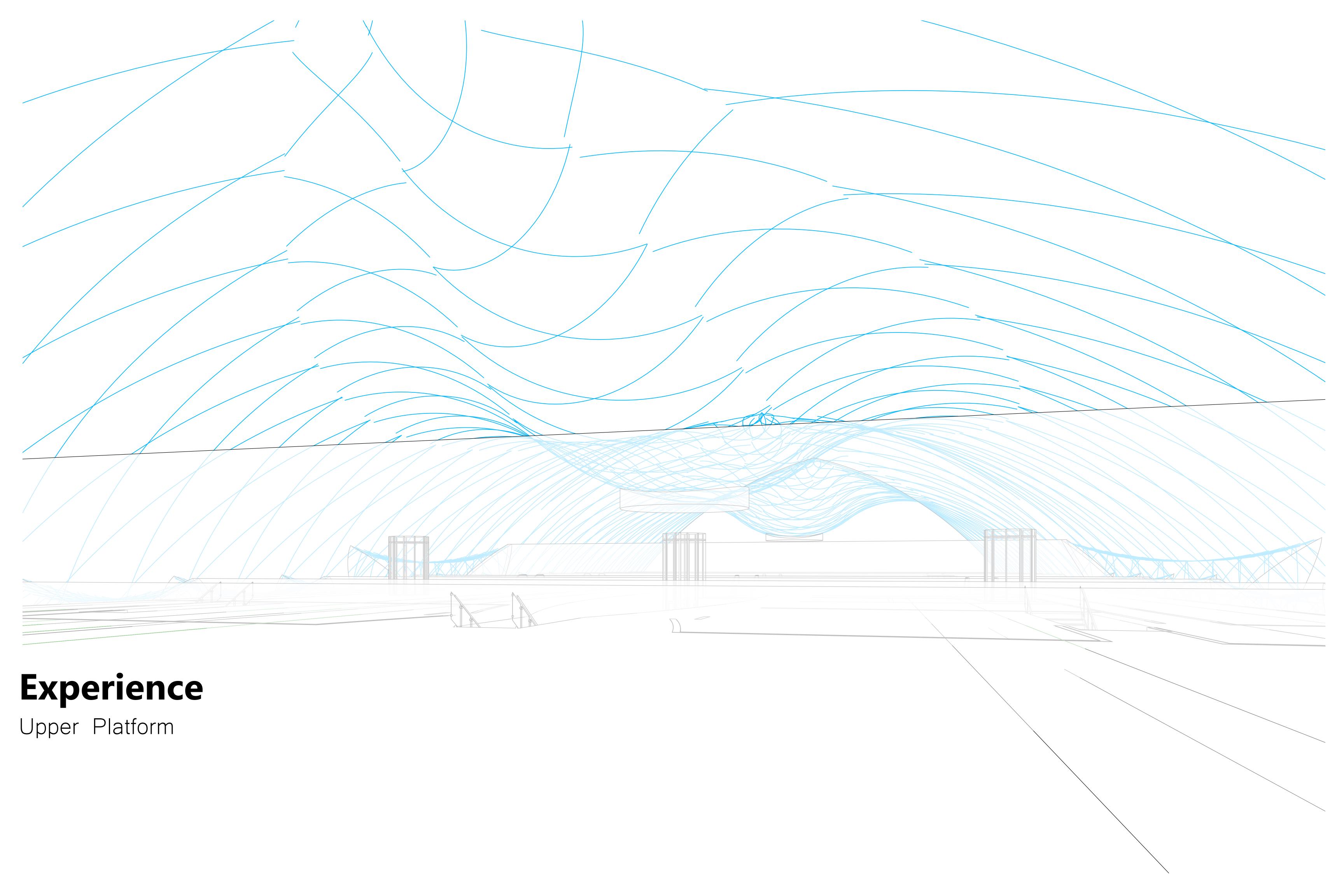
Rail Platform



Ground Level



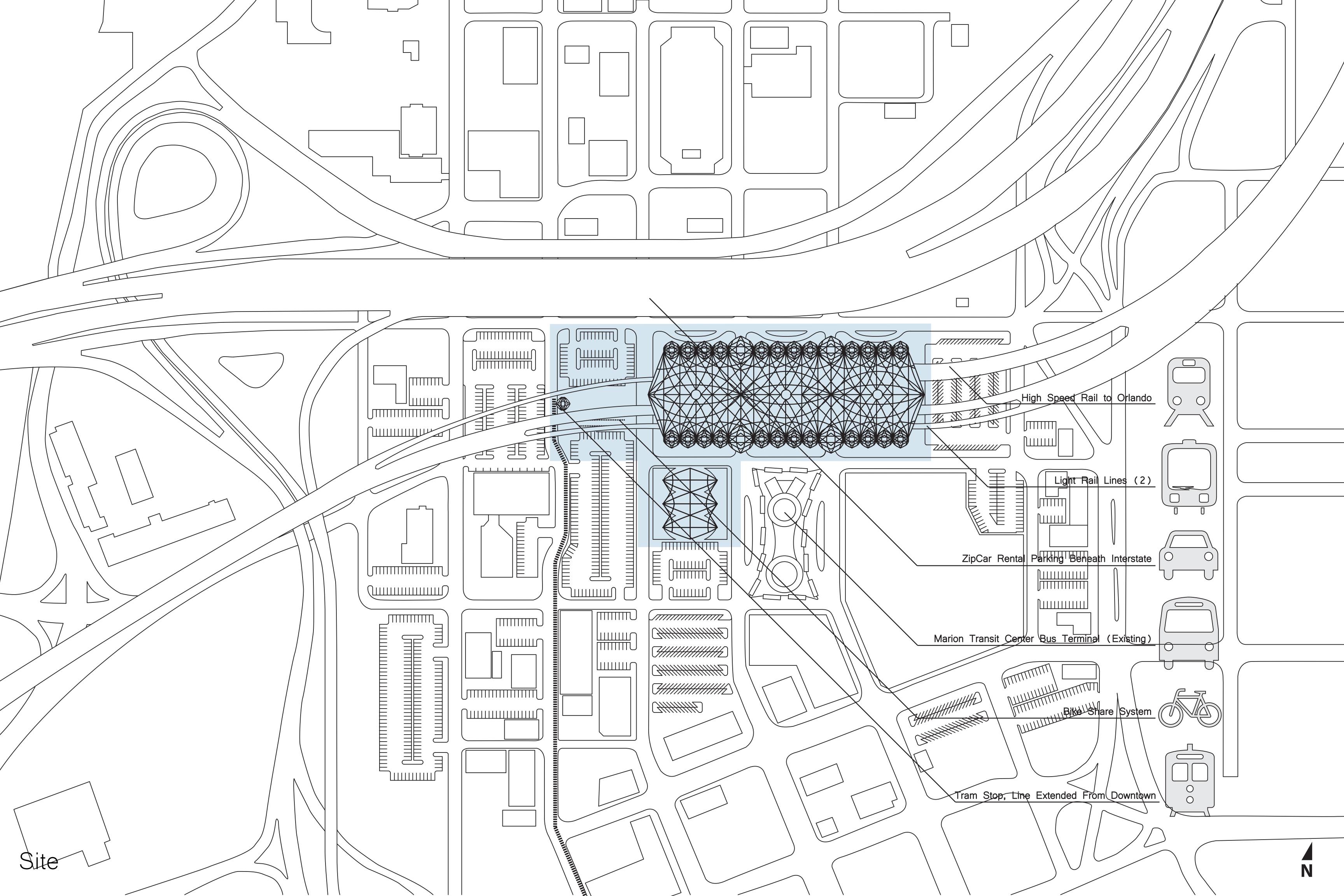




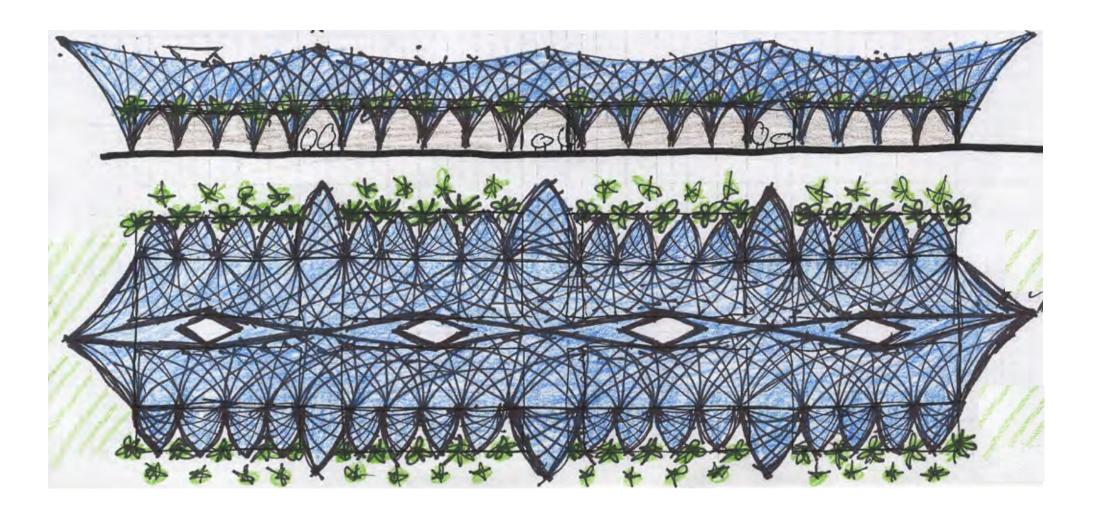
Midterm Feedback

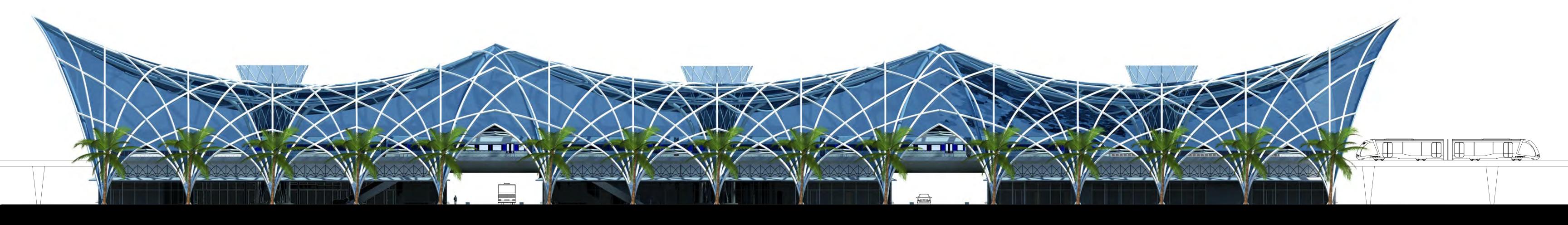
- Emphasize the sustainable strategies
- Develop material pallet
- · Define site interaction around station

FINAL DESIGN

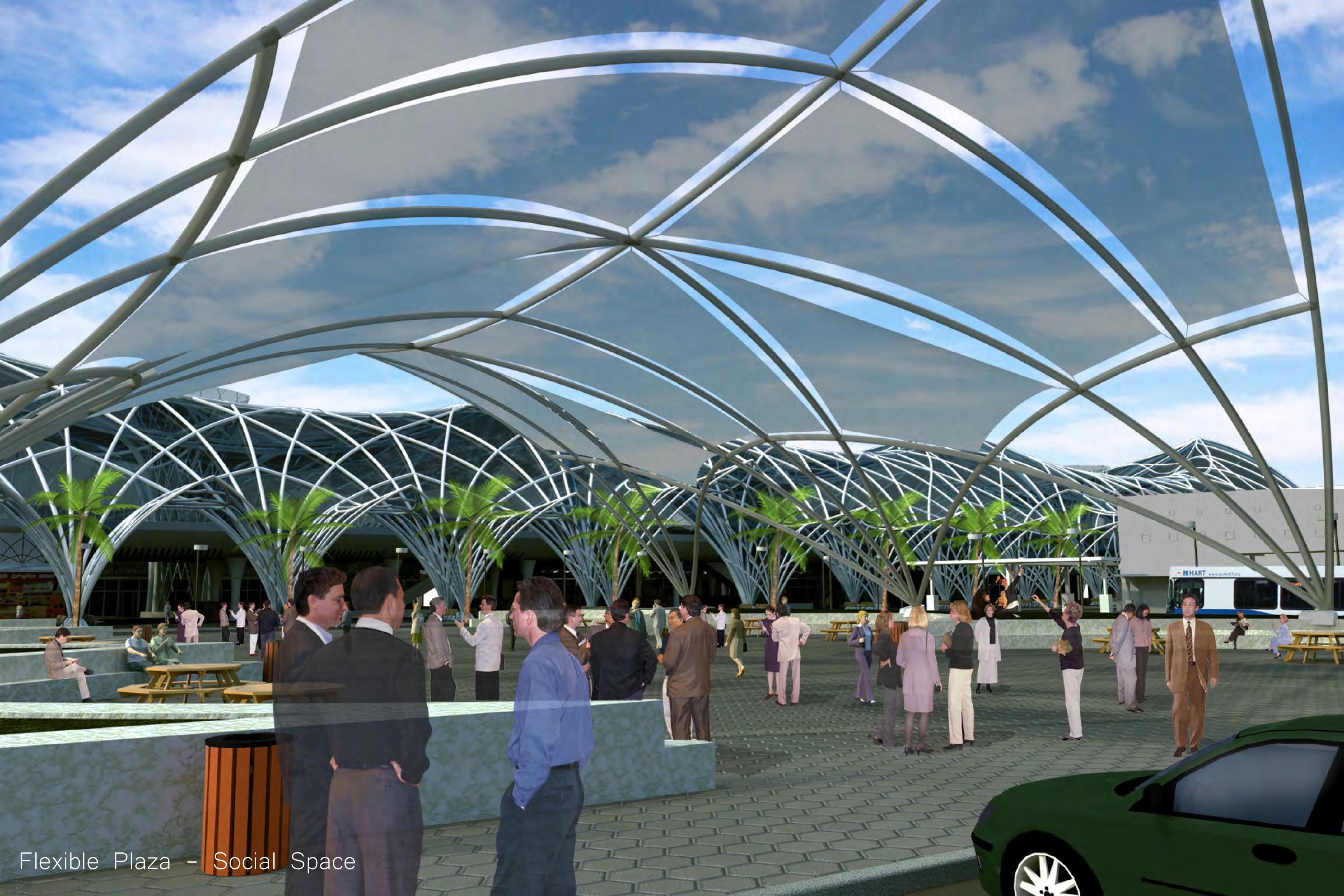




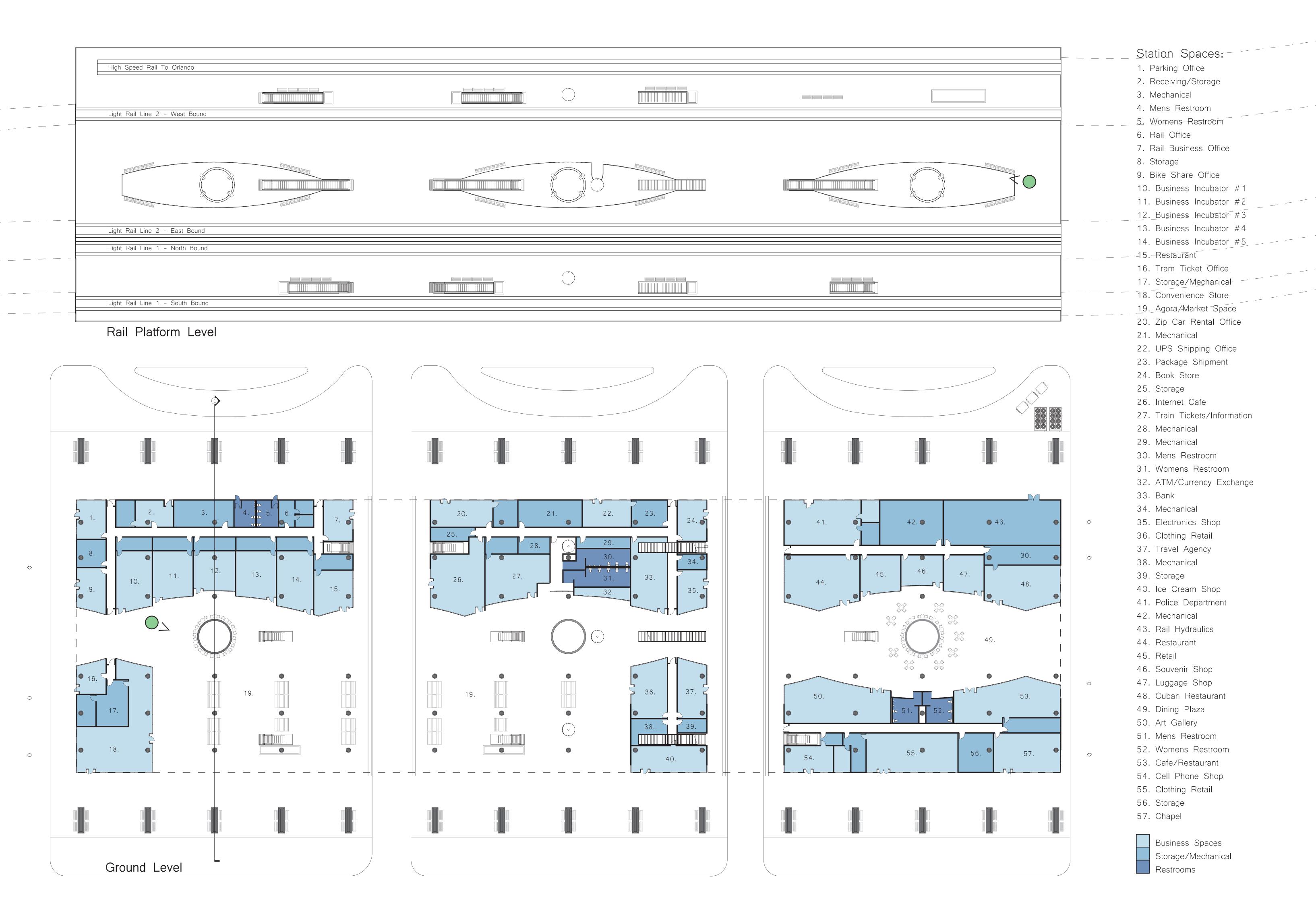


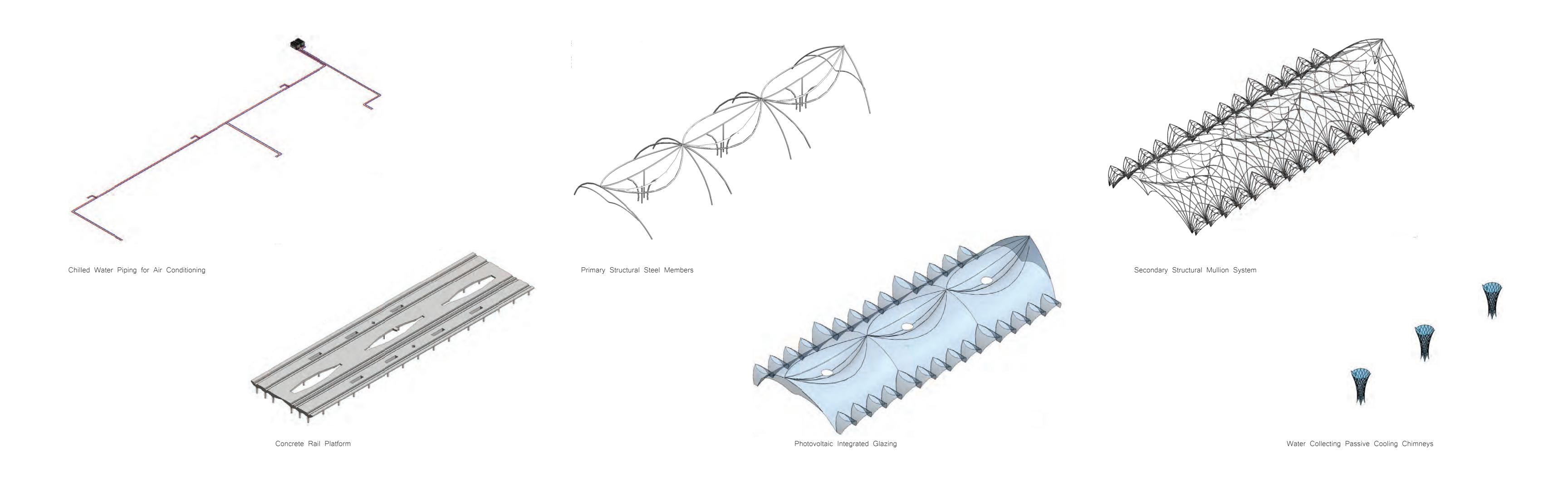
















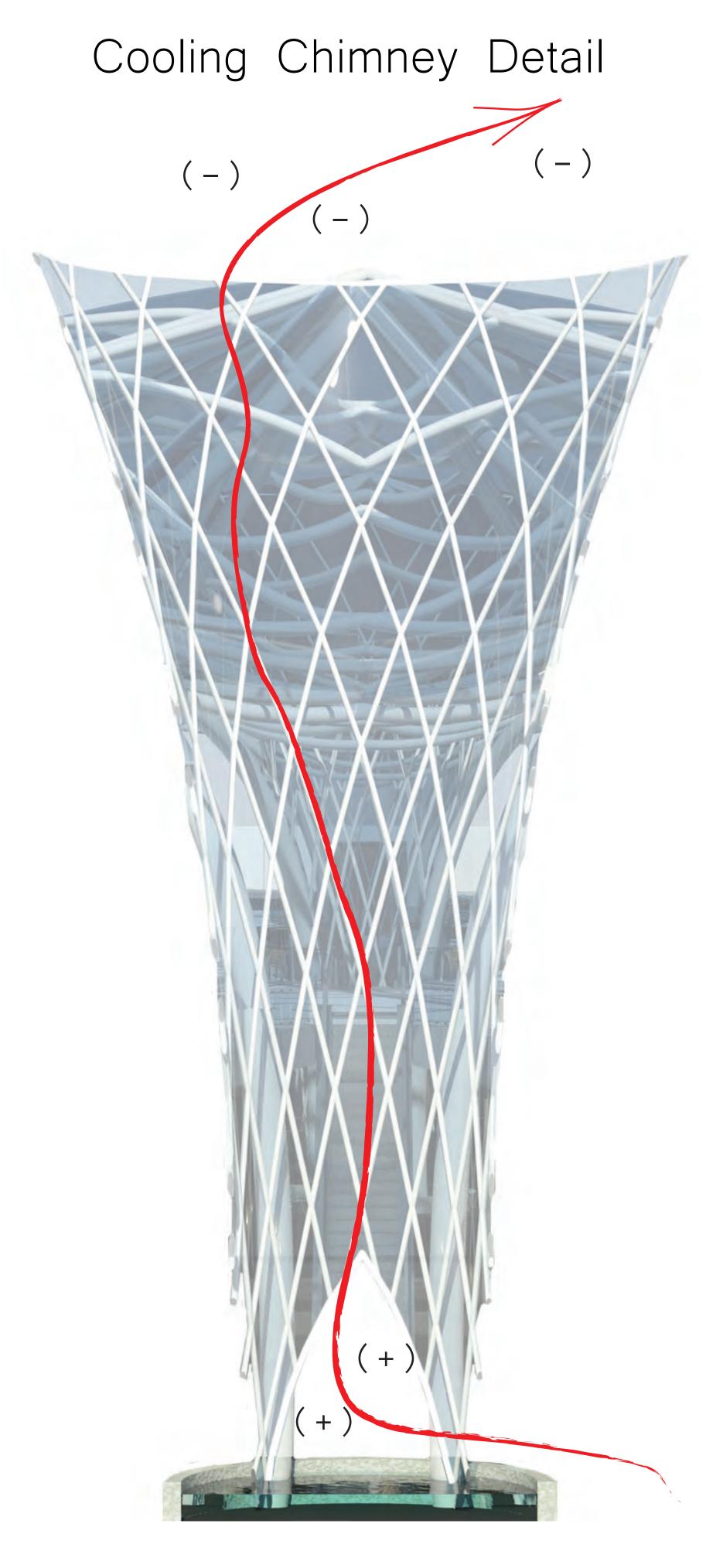


Materials:

- -Fiberglass reinforced concrete
- -Photovoltaic glazing
- -Hollow steel structural elements



Chilled Water Piping for Air Conditioning



Evaporative Cooling

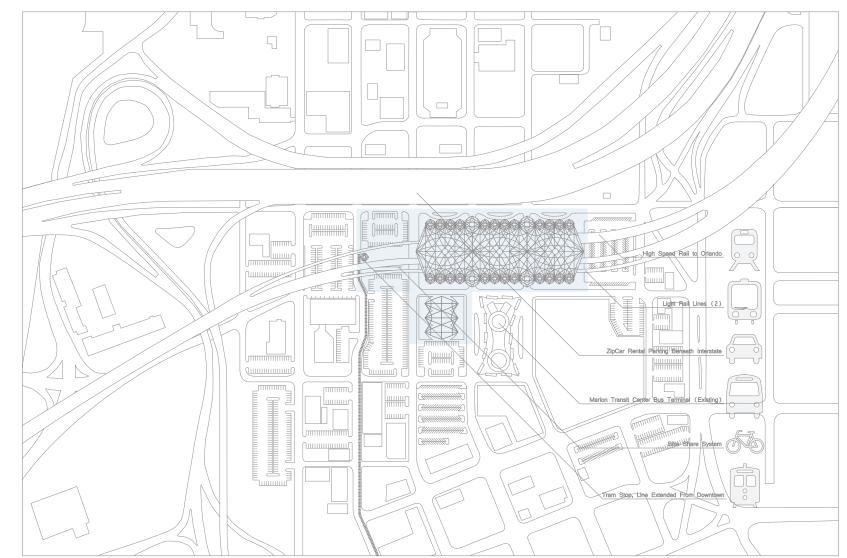
Outcome

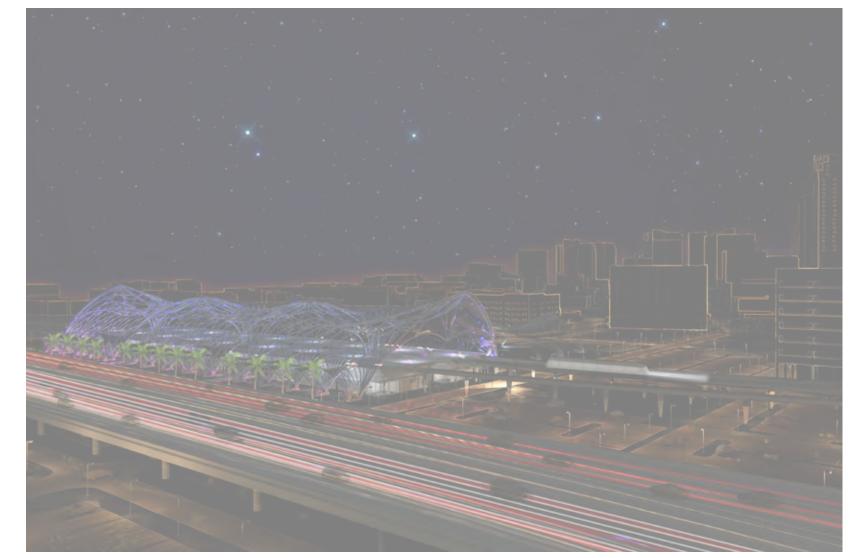
- -One car households
- -Bicycling and walking to become primary modes of transportation, supported by light rail when needed
- -For a sense of community, a strong sense of place to be established. Social Equity
- -Dignity and opportunity to be restored to the people unable to drive or own personal vehicles

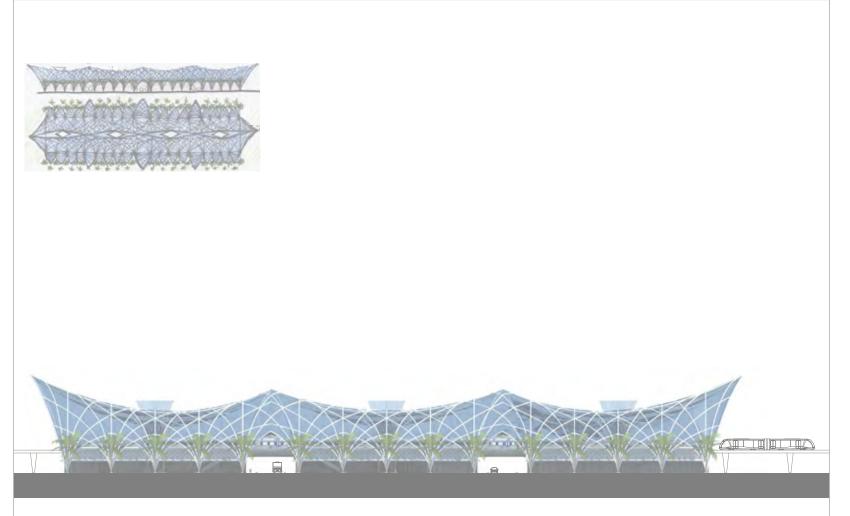
What I learned

- -Automobile transportation is rather dangerous, and requires more patience than I originally allotted it
- -Driving a personal automobile is a privilege and not a right
- -I strive to walk and bicycle everywhere I go, living in proximity to where I conduct life
- -Major changes to peoples way of life take time and must be implemented incrementally

As far as cultivating content through rail implementation goes; an ancient Chinese proverb offers that the best time to plant a tree was twenty years ago, but the second best time is today.

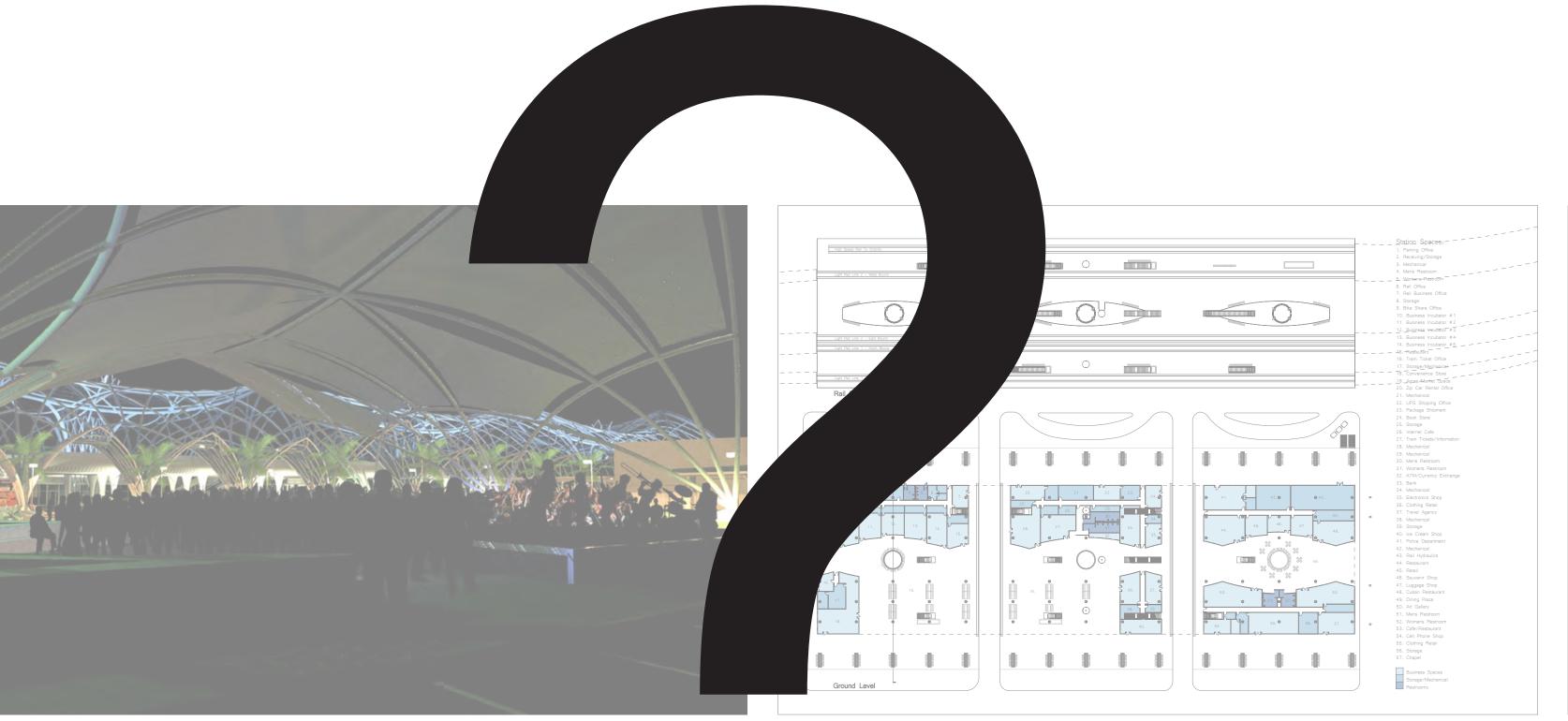


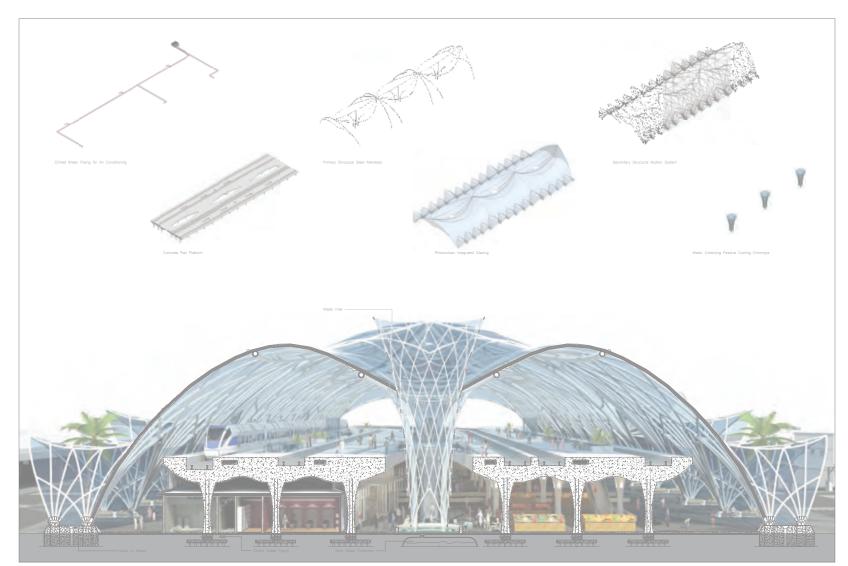








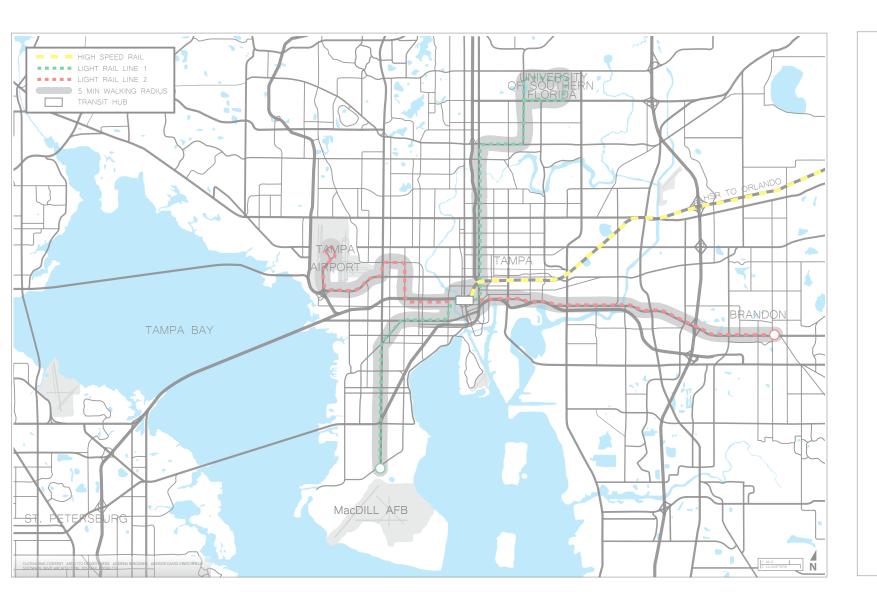












CONCEPTUAL DESIGN