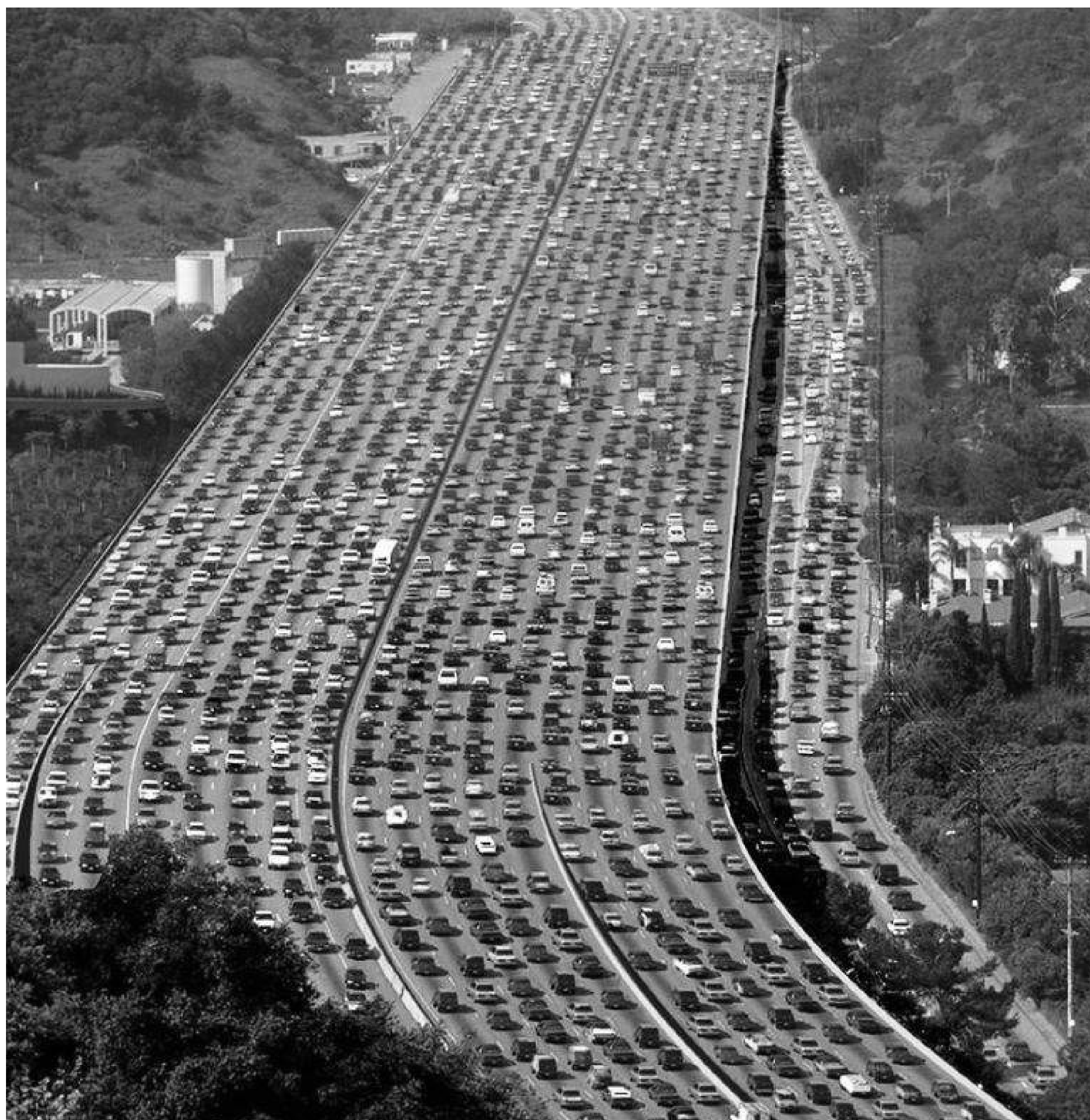


How can public transportation respond to the built environment to improve how we move within a city? As our built environment develops we put more emphasis on the **individual rather than the society**. The way people move through a city relates directly to its public transportation. To continue the growth of our built environment we must put the public first, by studying the way a city **moves, grows, and sustains**. Cities today are designed around transportation, for the US it is the automobile. Phoenix, Arizona is a city that was designed around the automobile. With Phoenix taking up a vast area of land this requires its residents to travel long distances. This thesis will explore connecting the Phoenix area, Los Angeles, Tucson, and Flagstaff, with a High Speed Rail system to help revitalize the downtown.

**A MOVING CITY**

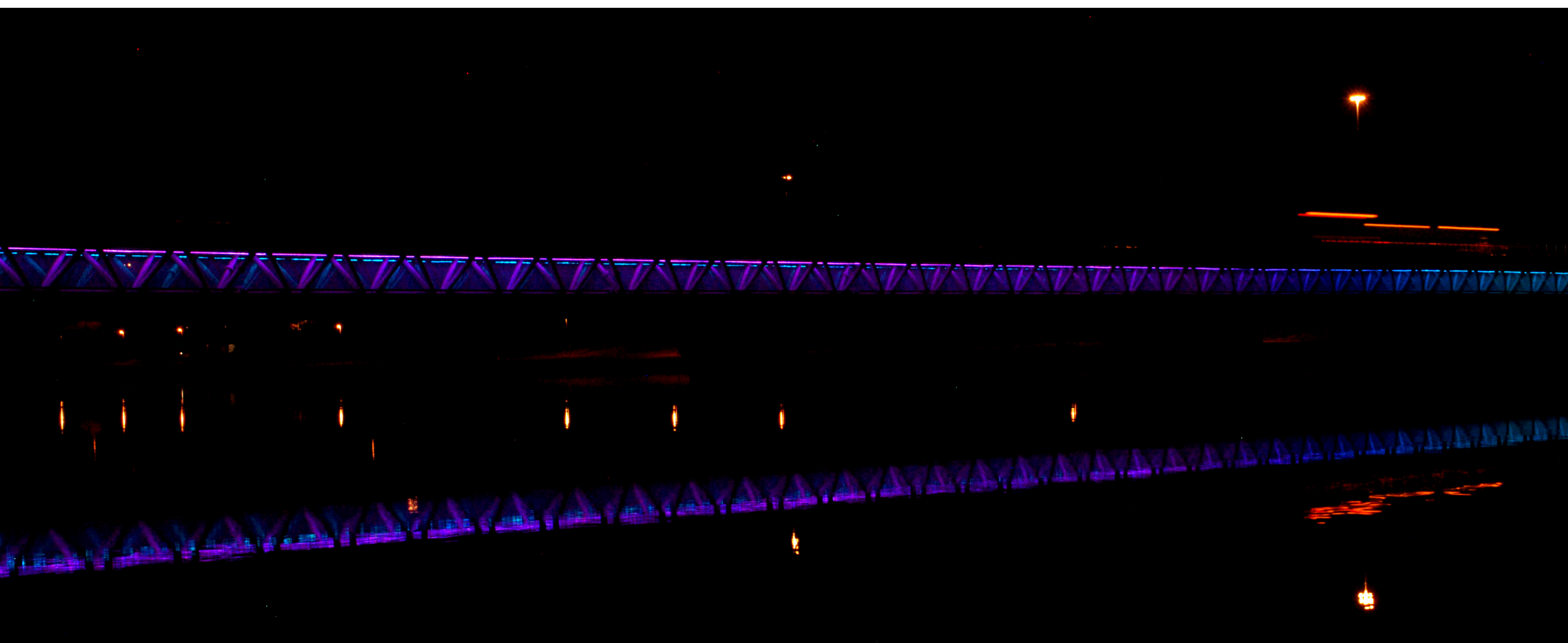




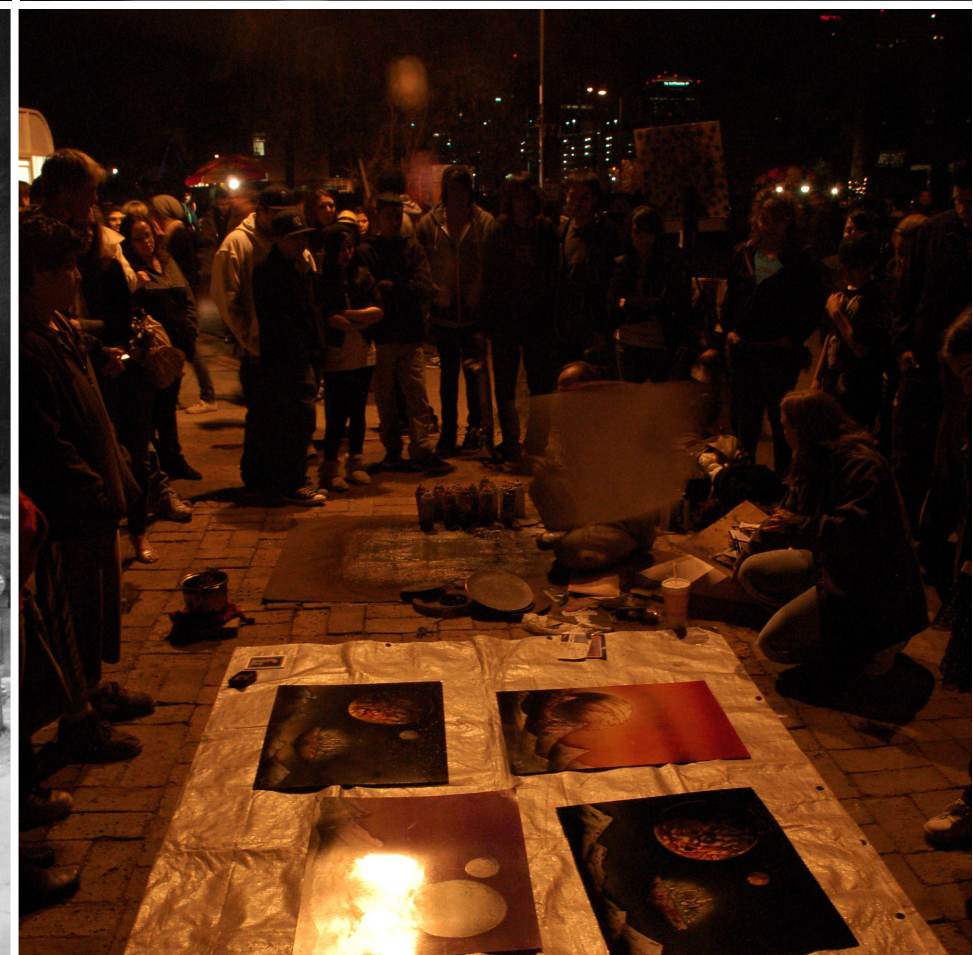
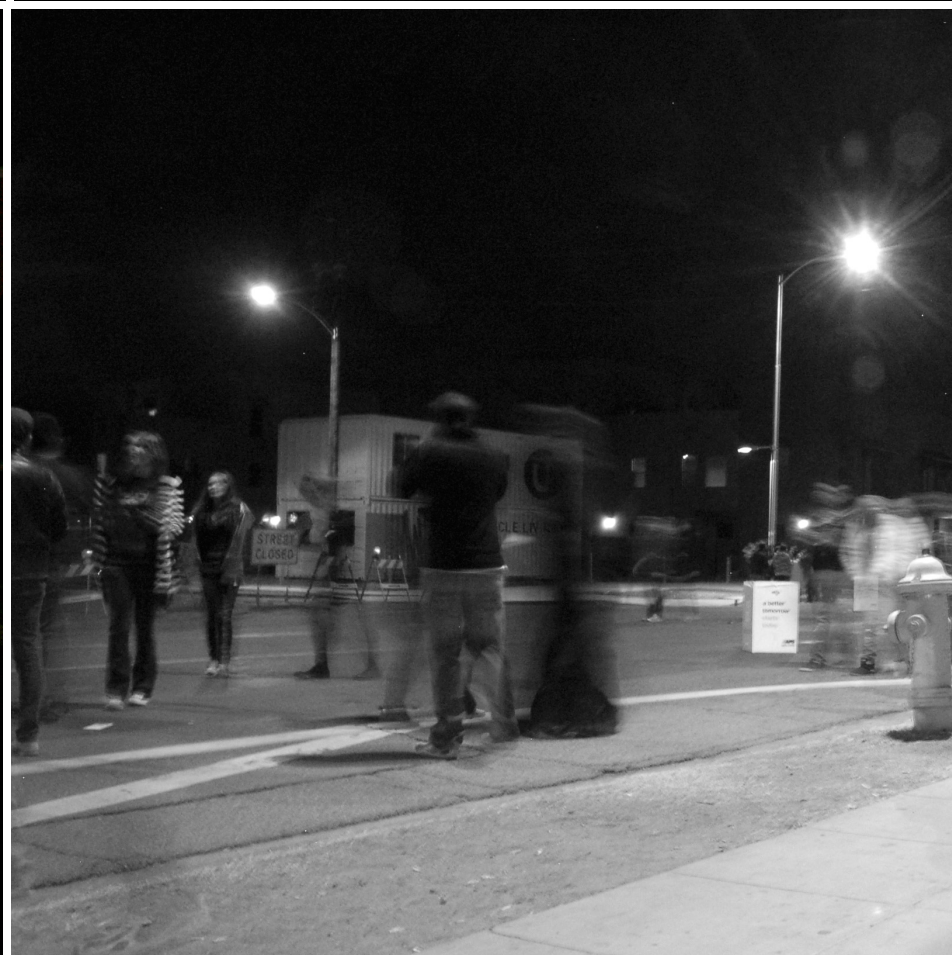
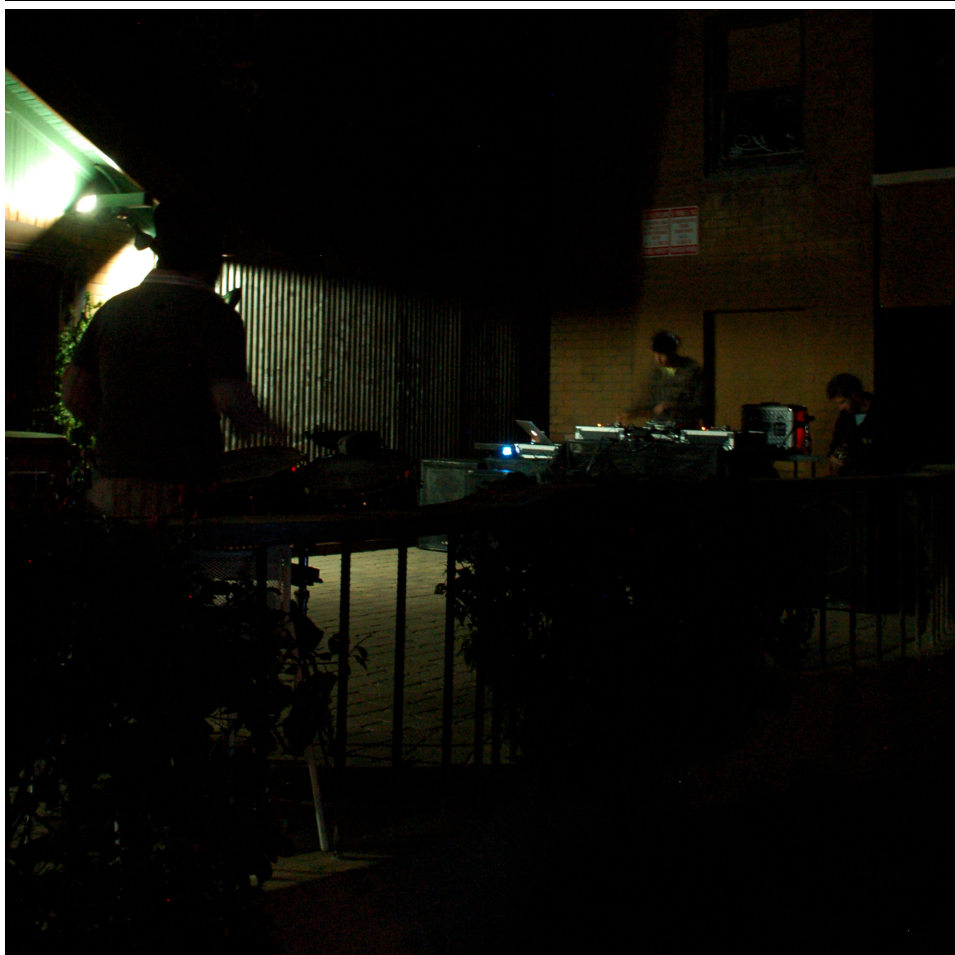




















3rd Ave.

Central Ave.

3th St.

Interstate 10

Site

Deck Park

Burton Barr Library

7th St.

Roosevelt St.

1st Ave.

Central Ave.

3th St.

4th St.

Fillmore St.

Legend

Bus Route

Streets

Light Rail

High Speed Rail

Transfer Point

Central Station

Van Buren St.

Washington St.

Jefferson St.

US Airways Stadium

Chase Field

Interstate 10













THE PIONEER CENTER  
JAPANESE FRIENDSHIP  
COUNCIL WHITE TOWER  
JUNE 1952  
OFFICE OF ARCHITECTURE & ENGINEERING













ONLY ONLY  
DO NOT  
BLOCK  
INTERSECTION

TRUCK TIME

TRUCK TIME

Yellow sign

























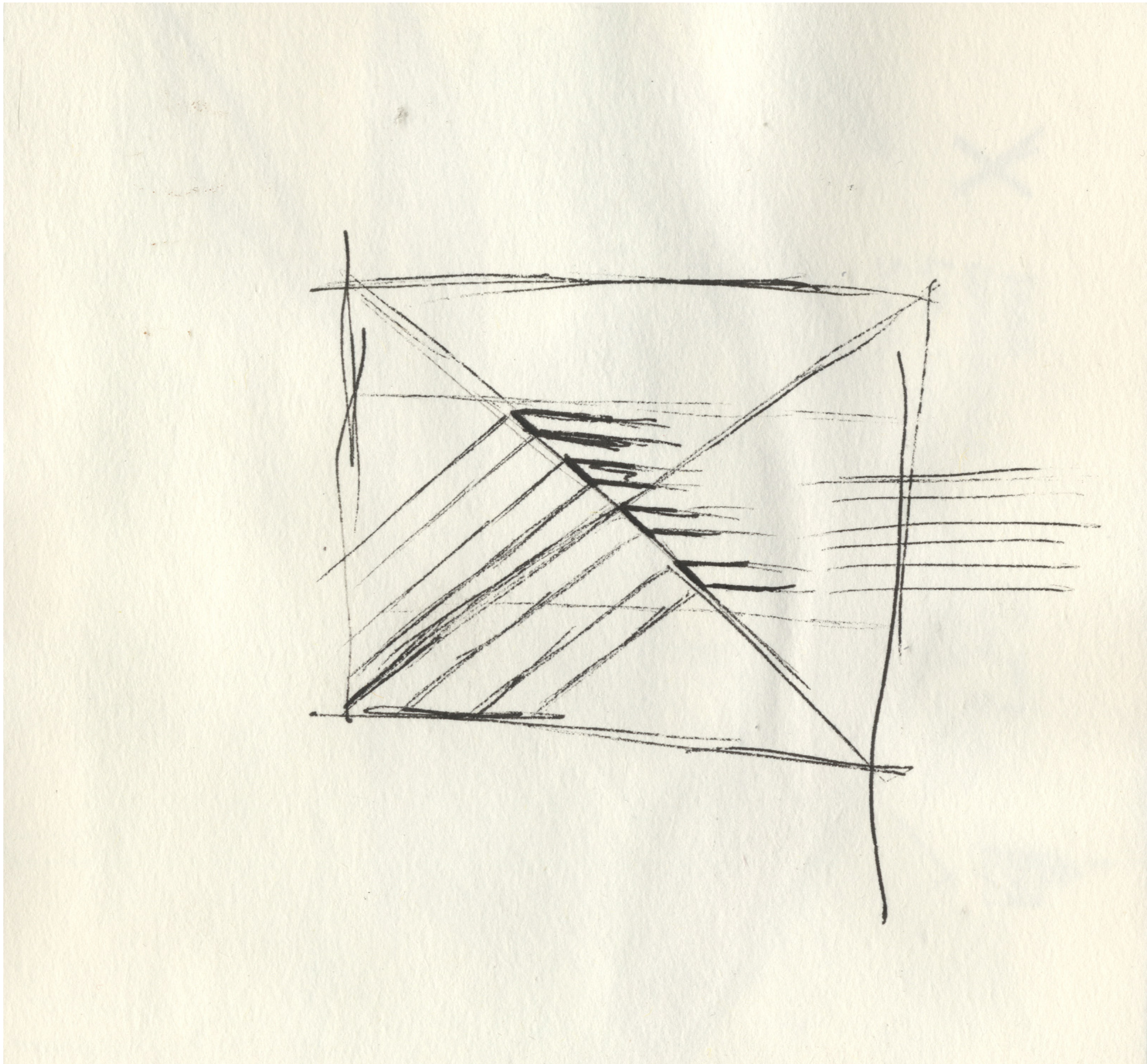








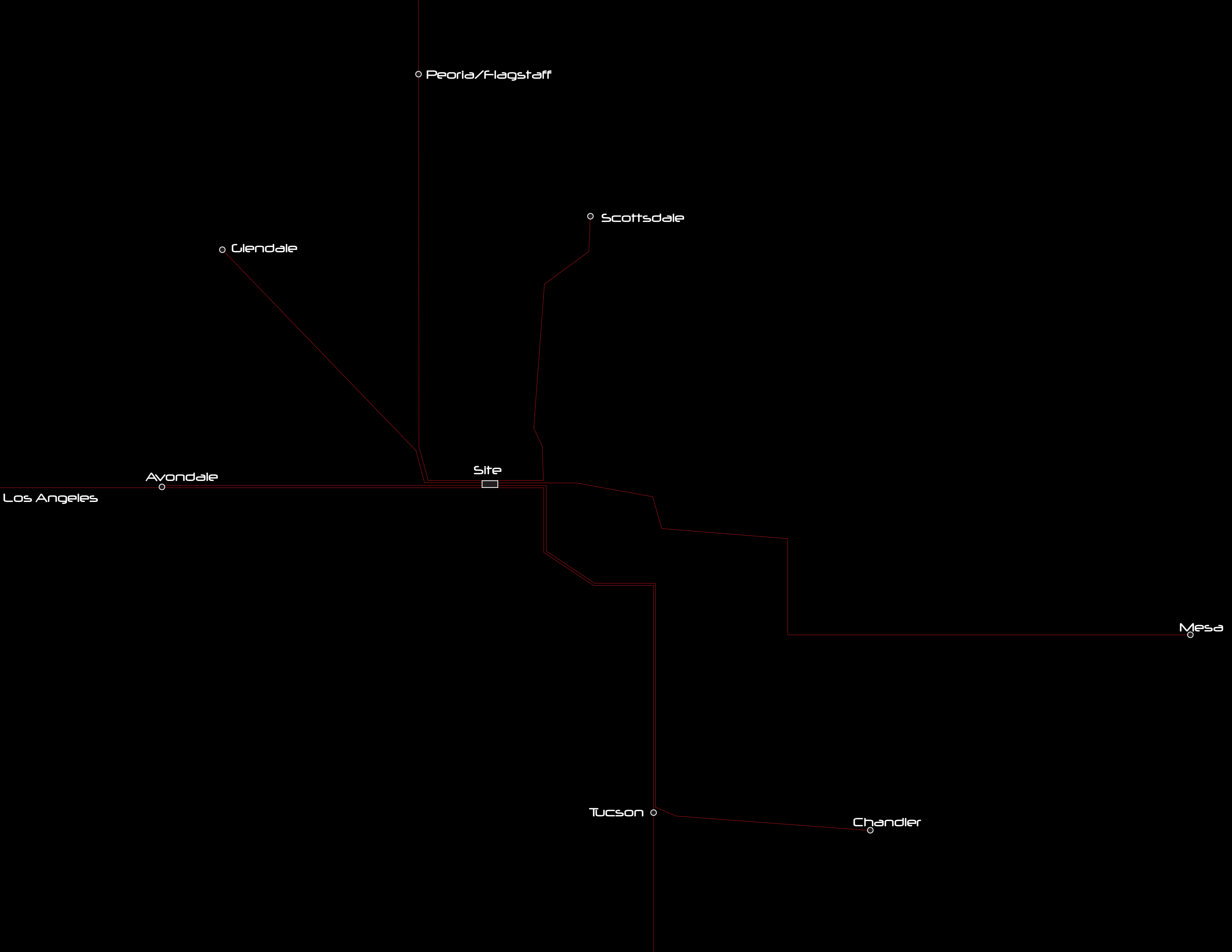




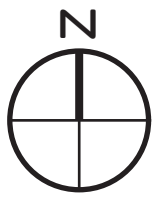




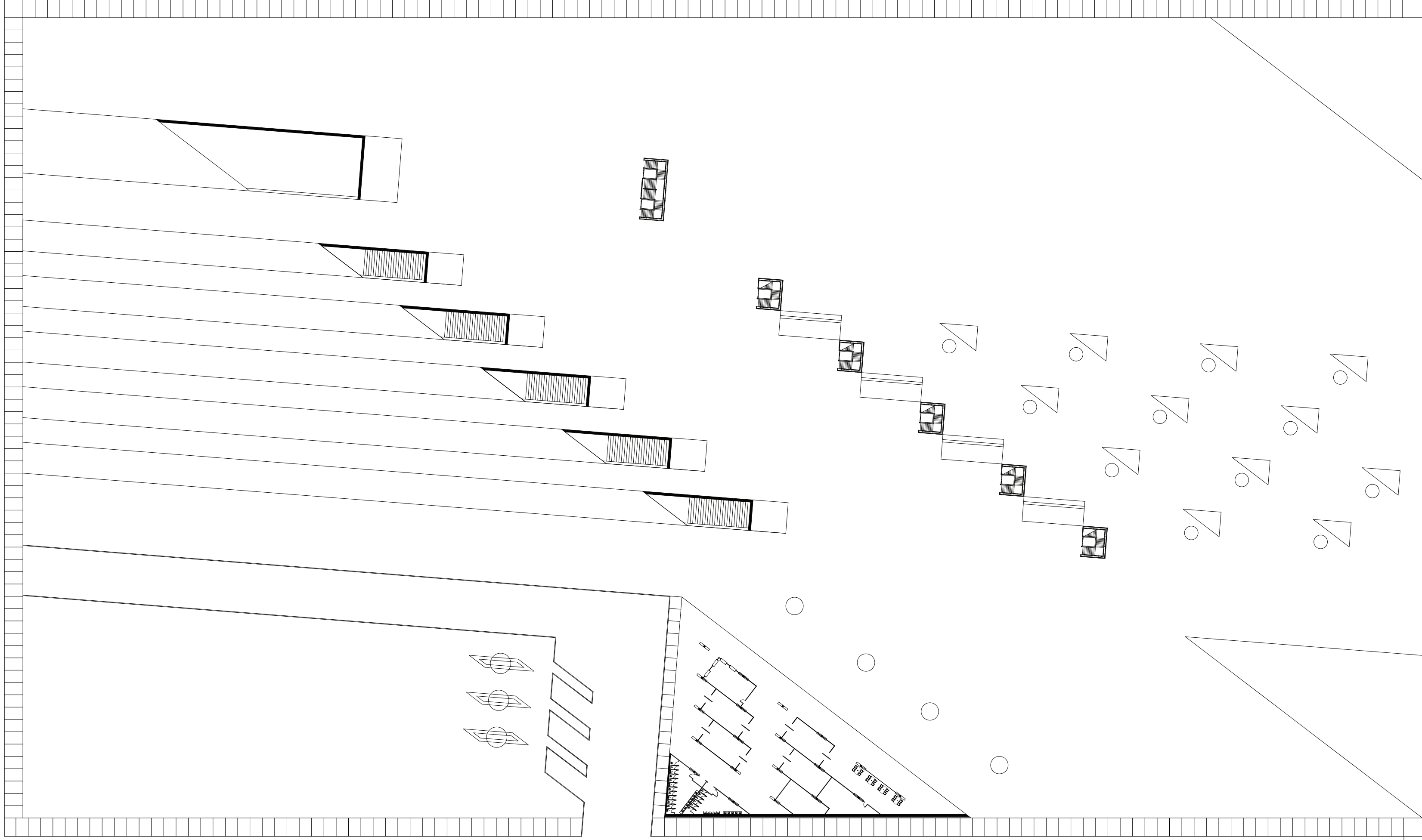








3rd St.



5th St.

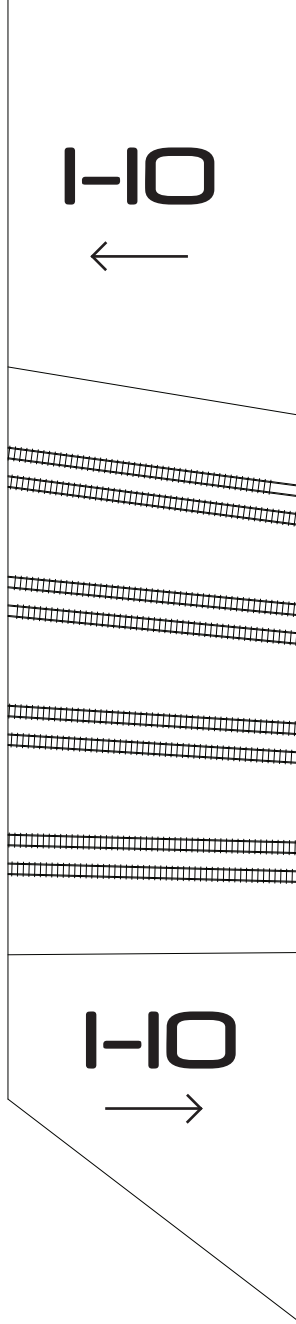


5th pl.

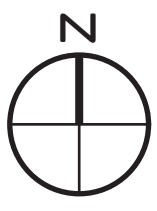


Moreland St.

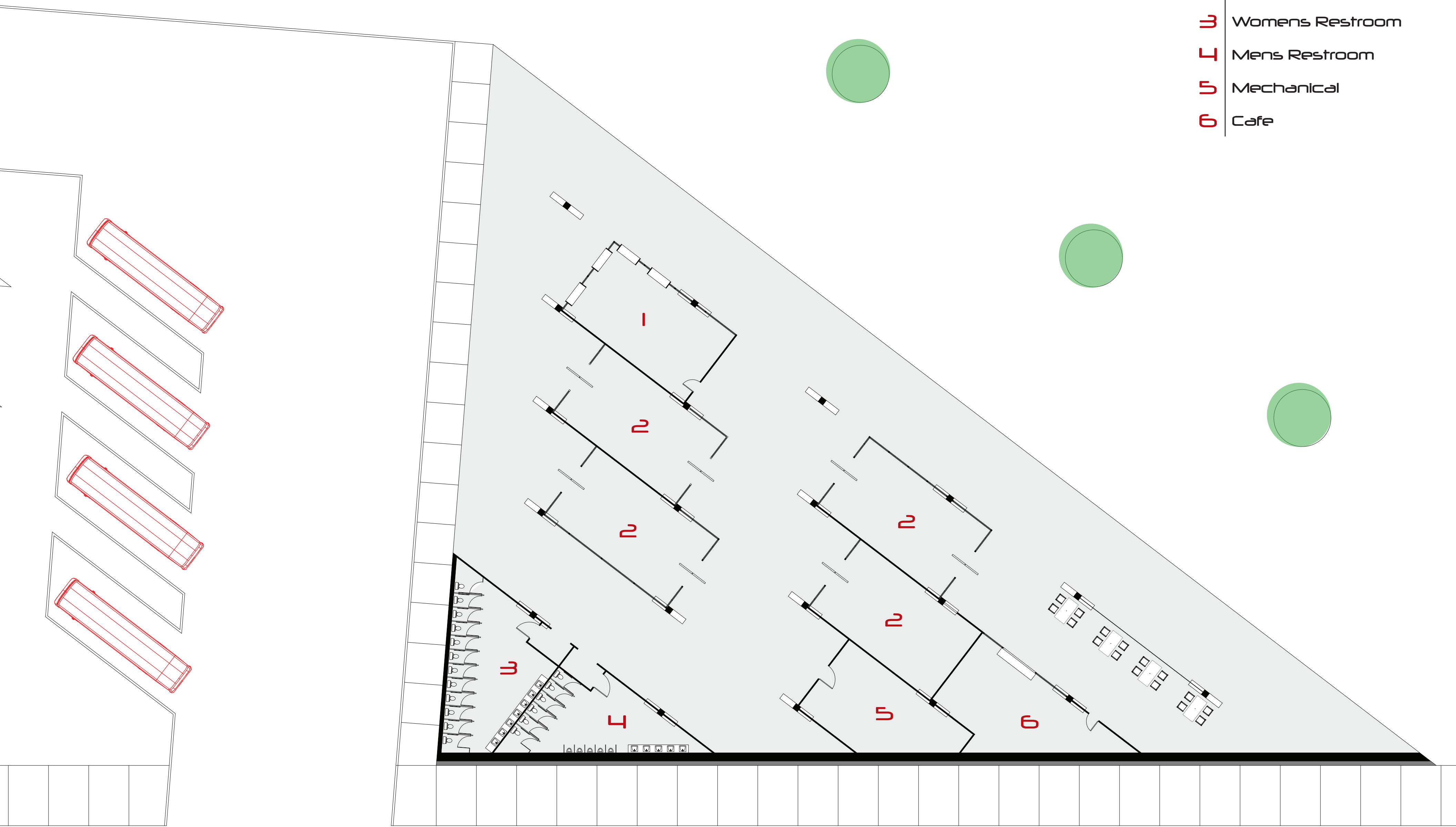
7th St.



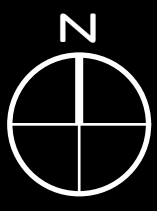




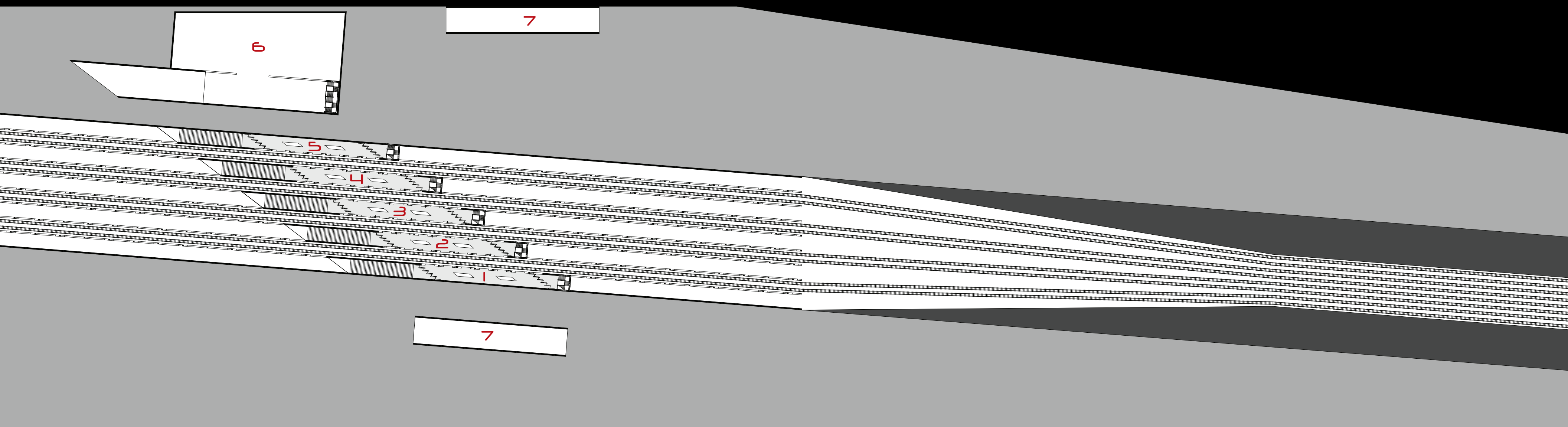
- 1 Ticketing Office/Security
- 2 Retail Space
- 3 Womens Restroom
- 4 Mens Restroom
- 5 Mechanical
- 6 Cafe



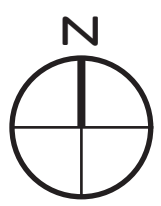




- 1 Los Angeles
- 2 Tucson/Avondale
- 3 Chandler/Glendale
- 4 Mesa/Peoria - Flagstaff
- 5 Scottsdale
- 6 Parking Garage
- 7 Interstate Ramps







6

- 1 Los Angeles
- 2 Tucson/Avondale
- 3 Chandler/Glendale
- 4 Mesa/Peoria - Flagstaff
- 5 Scottsdale
- 6 Parking Garage
- 7 Interstate Ramps

5

4

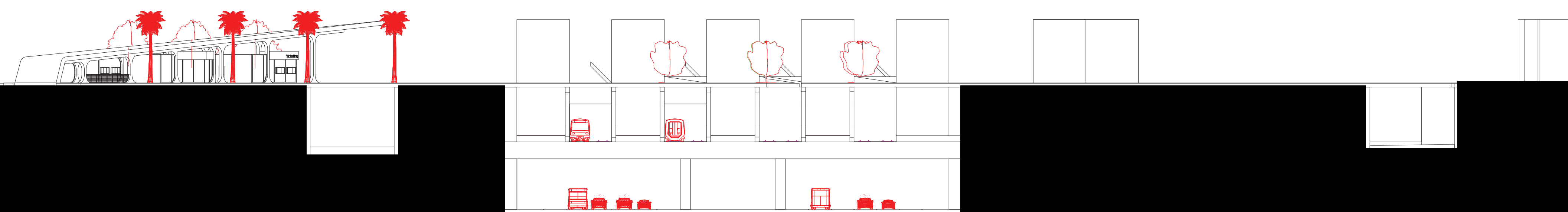
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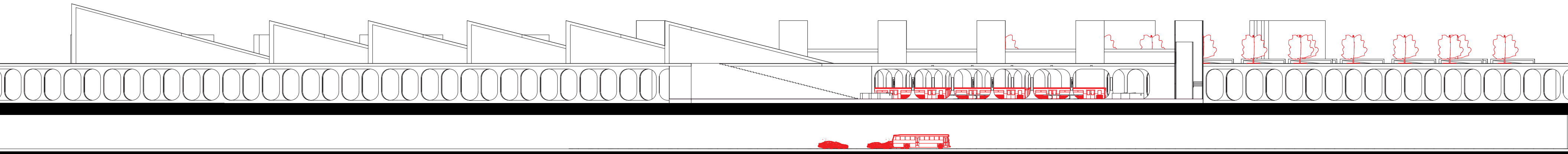
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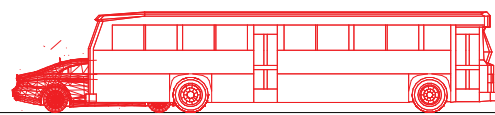
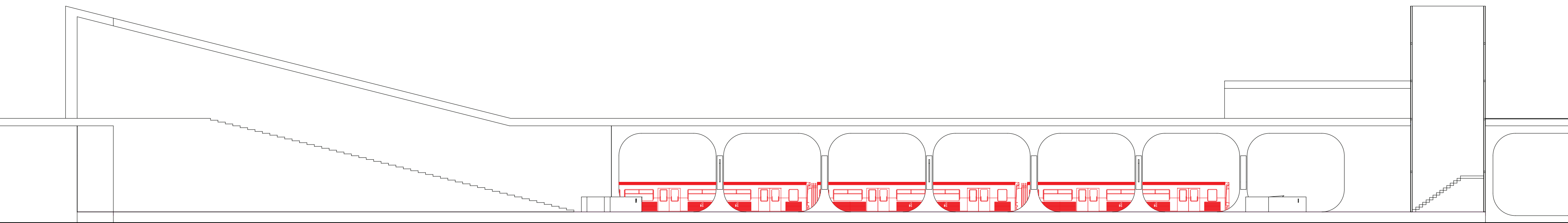






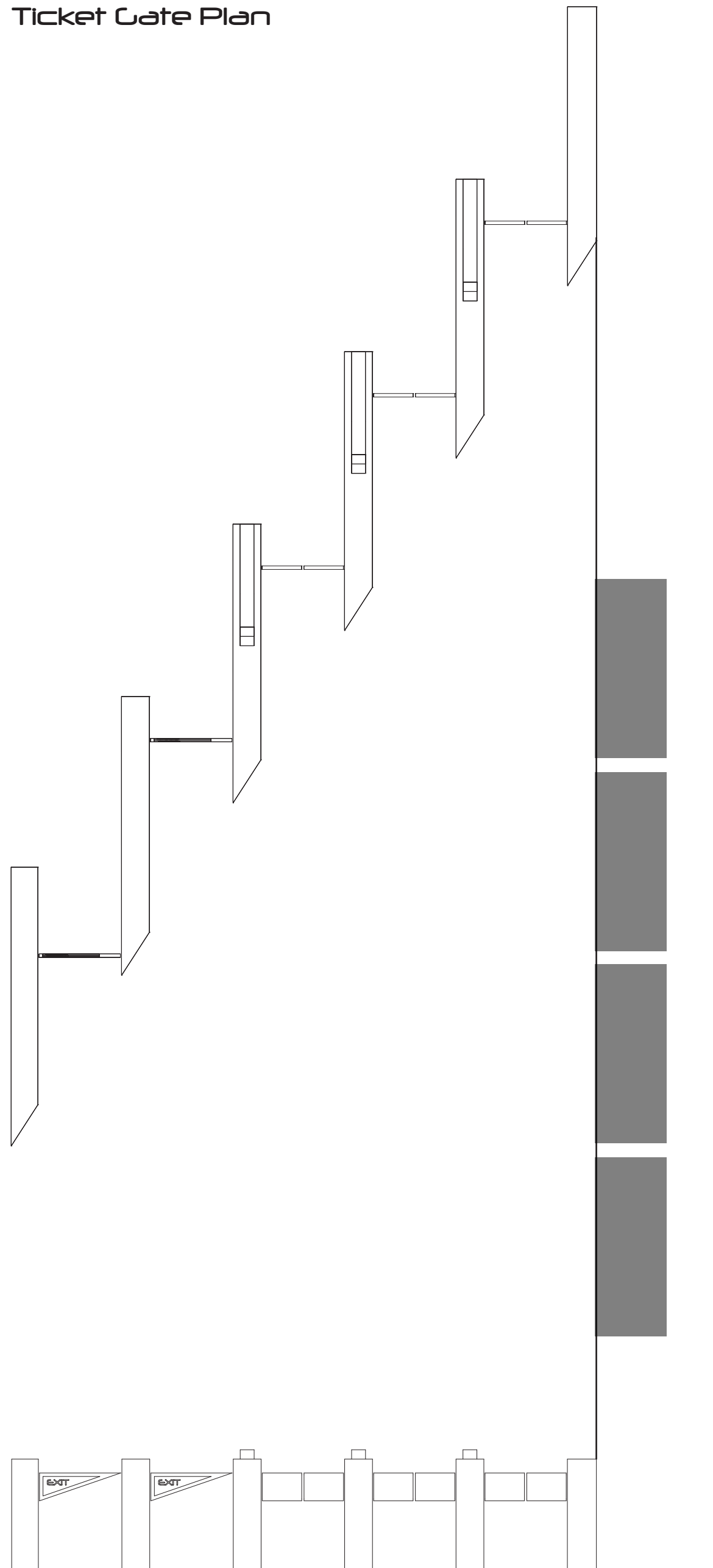




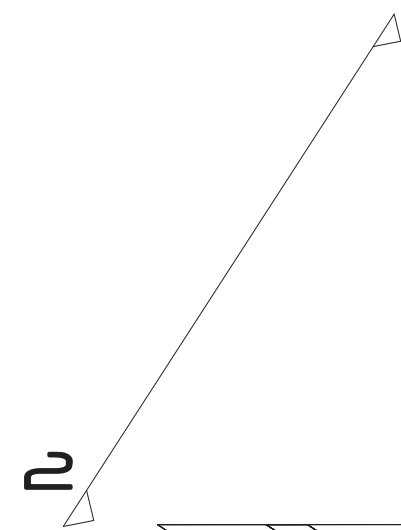
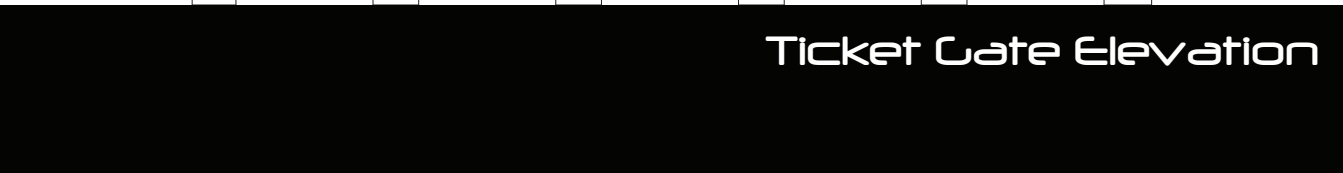




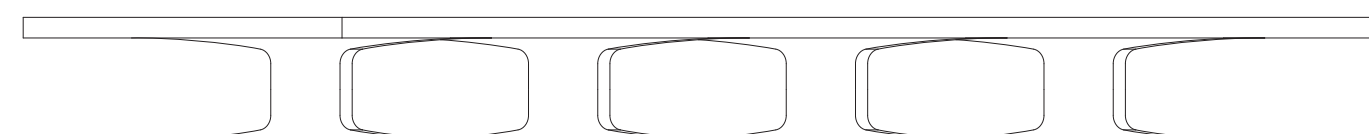
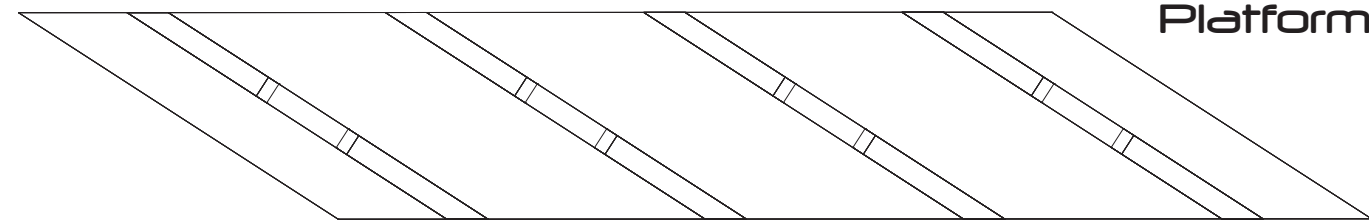
Ticket Gate Plan



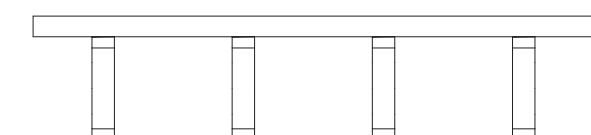
Ticket Gate Elevation



Platform Bench Plan



Platform Bench Elevation 1



Platform Bench Elevation 2



Platform Ticket Machine



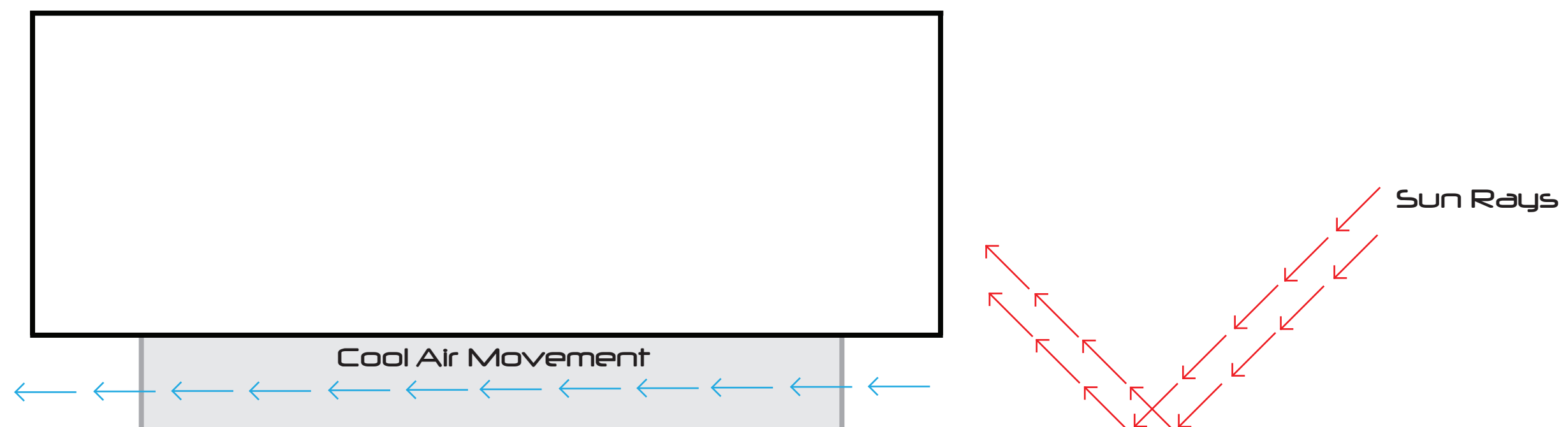


## Renfe Class 100 series

Manufacture	Alstom
Capacity	329
Train Length	300 ft
Width	8 ft 6 in
Height	14 ft
Maximum Speed	180 mph
Electric System	Dual: 3kV DC, 25 kV 50 Hz AC

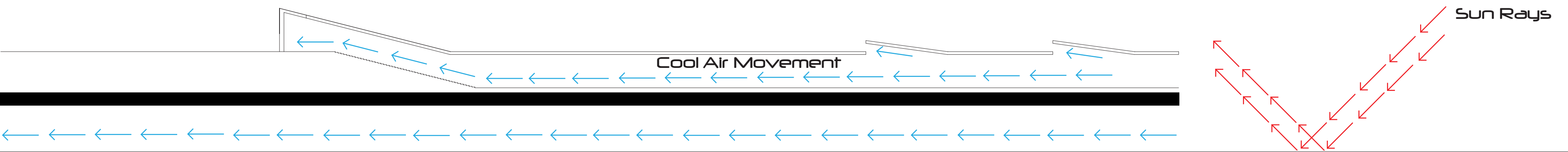


# Cross Ventilation

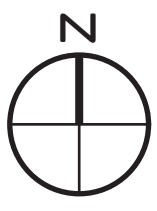




# Cross Ventilation







- 1 Ticketing Office/Security
- 2 Retail Space
- 3 Womens Restroom
- 4 Mens Restroom
- 5 Mechanical
- 6 Cafe

