60% DESIGN: SDC PRESENTATION

1. SCALE & CONTEXT
2. URBAN KALEIDOSCOPE/VARIABILITY
3. FUNCTIONALITY AND UNIFICATION
4. MATERIALS
5. TECHNICAL ISSUES

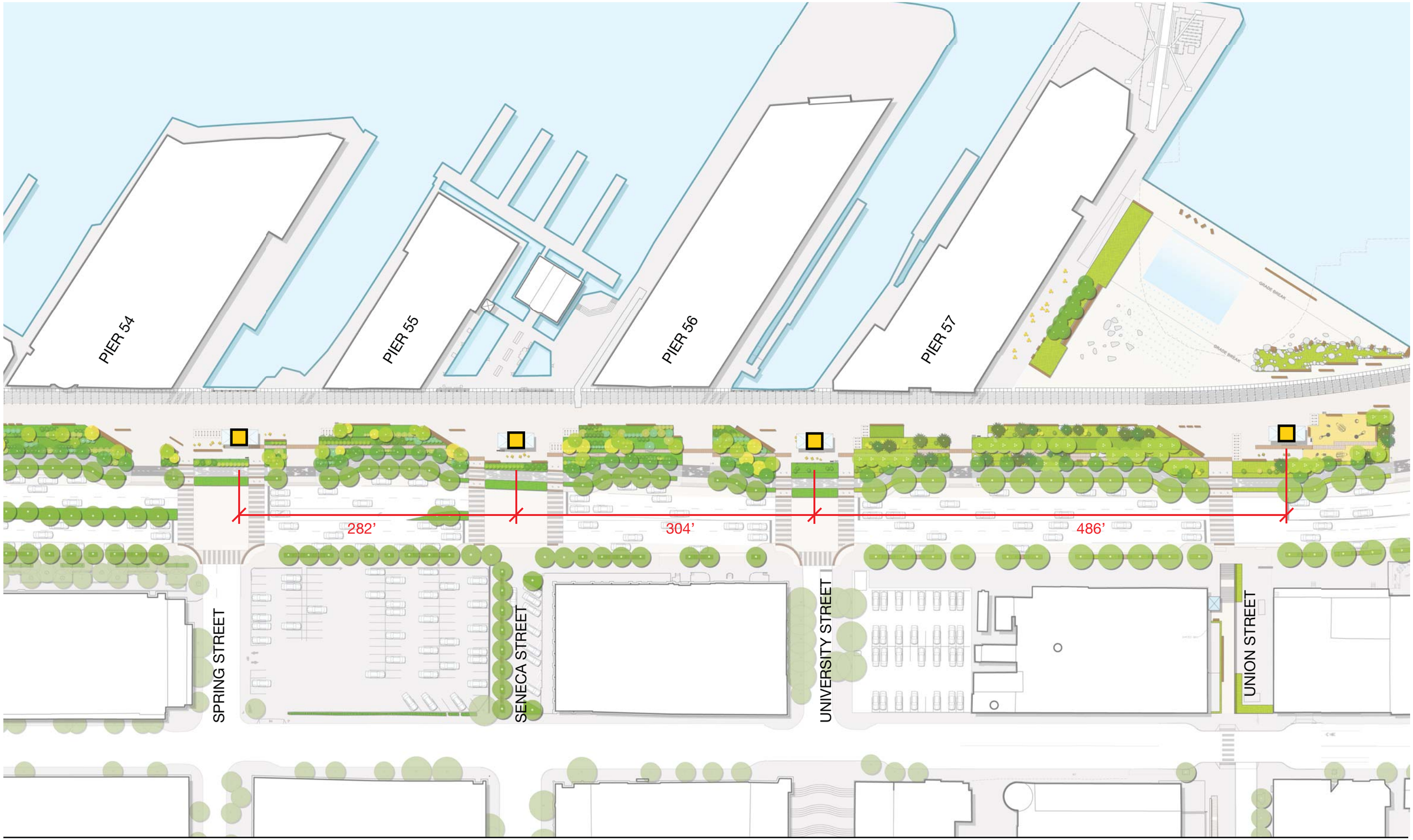
FOUR SEASONS IN ONE DAY


ENVIRONMENT
SKYLINE
BAY


PROMENADE


CONNECT WATER TO CITY
CONNECT CITY TO WATER

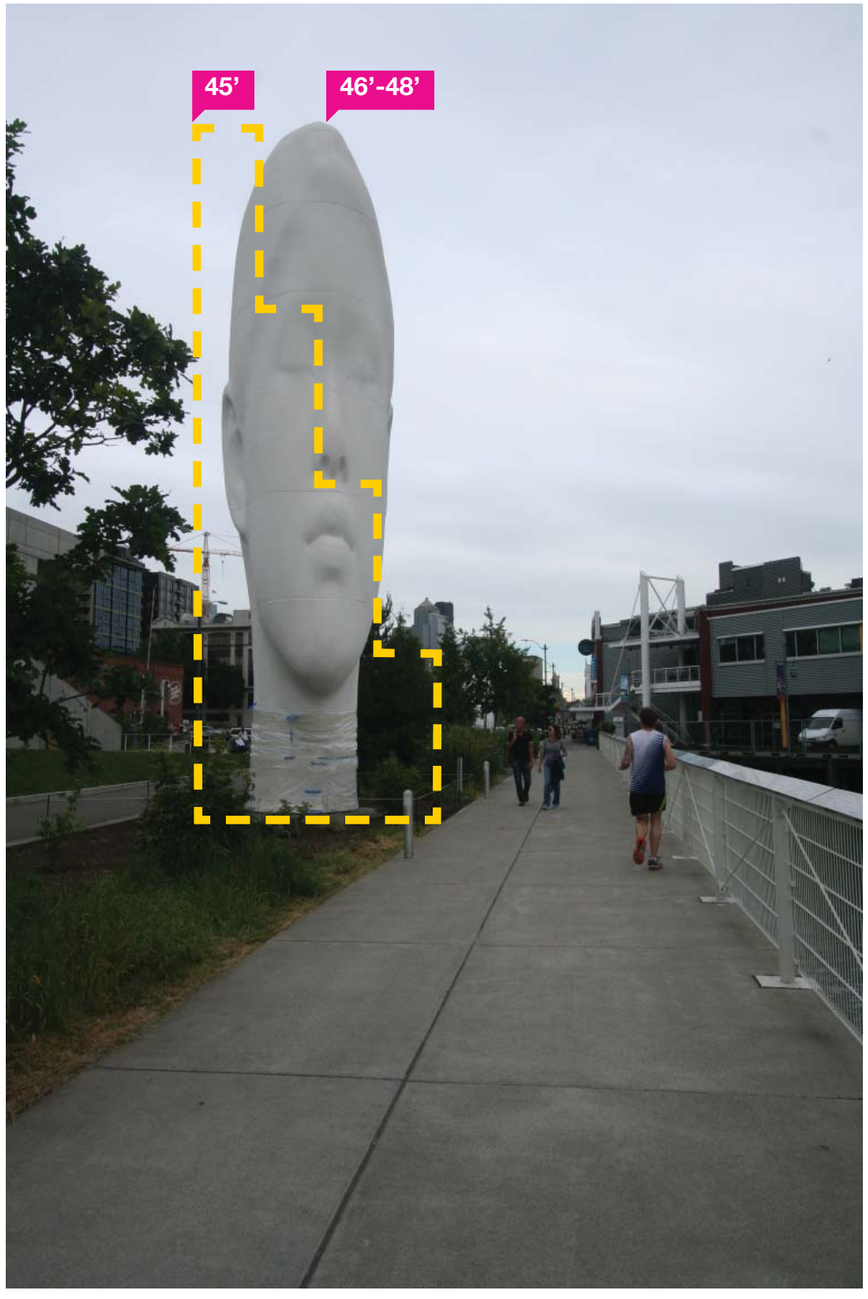
1. SCALE & CONTEXT

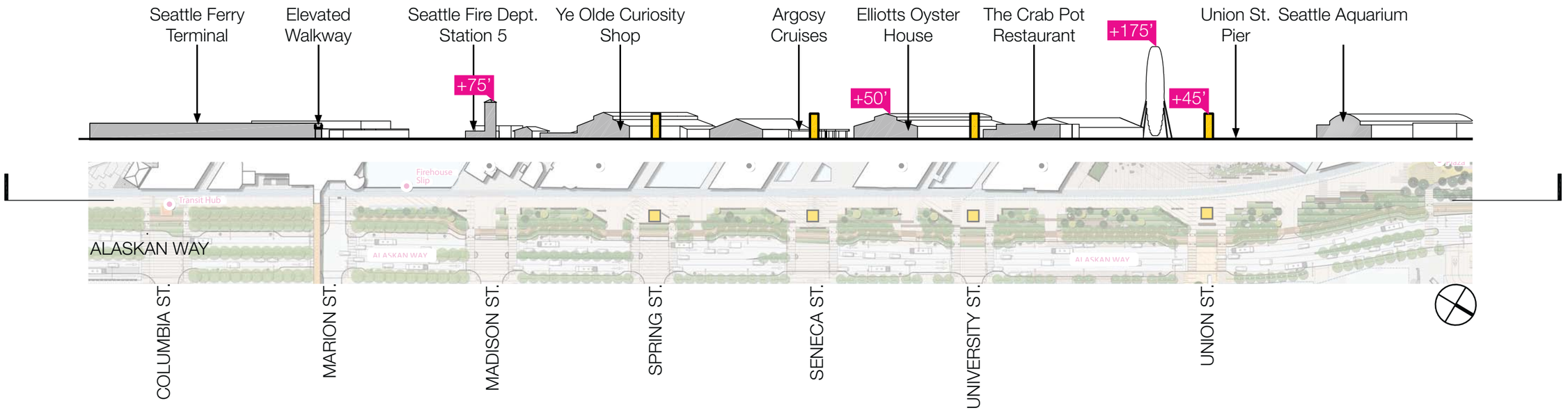

PIER 54
PIER 55
PIER 56
PIER 57
GRADE BREAK
GRADE BREAK
282’
304’
486’
SPRING STREET
SENECA STREET
UNIVERSITY STREET
UNION STREET

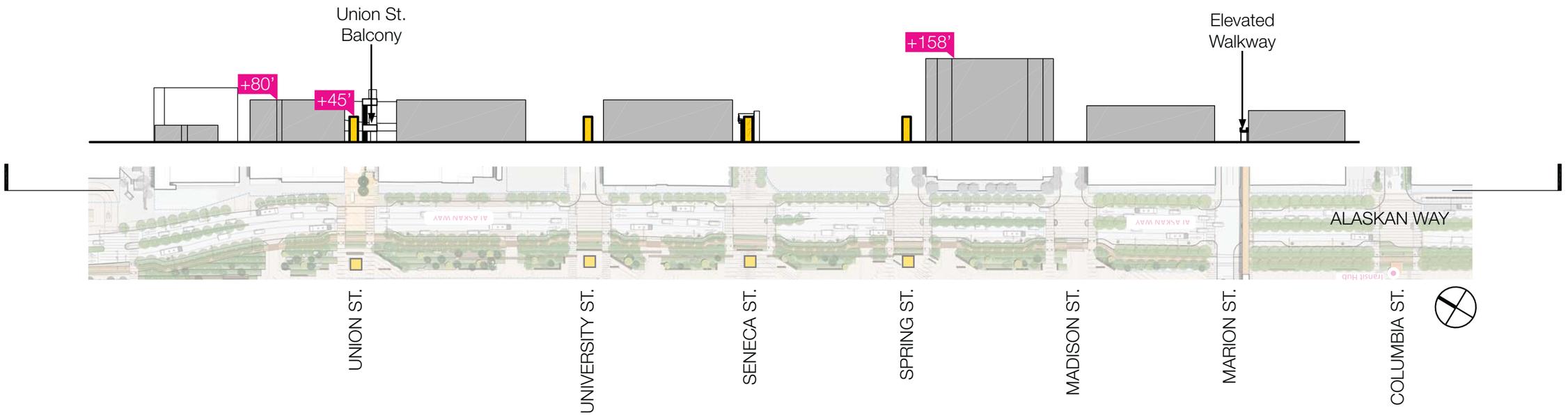

200’-0”
150’-0”
100’-0”
50’-0”
0’-0”
+45’
+72’
+85’
+50’
+175’
+96’
+185’
STARBUCKS COFFEE
Kiosks
1st Colman Clock Tower
2nd Colman Clock Tower
Typ Pier Bldg
The Great Wheel
MV Takitae, Passenger Ferry
Seattle Port Cranes


46’-48’


46’-48’


45’
46’-48’



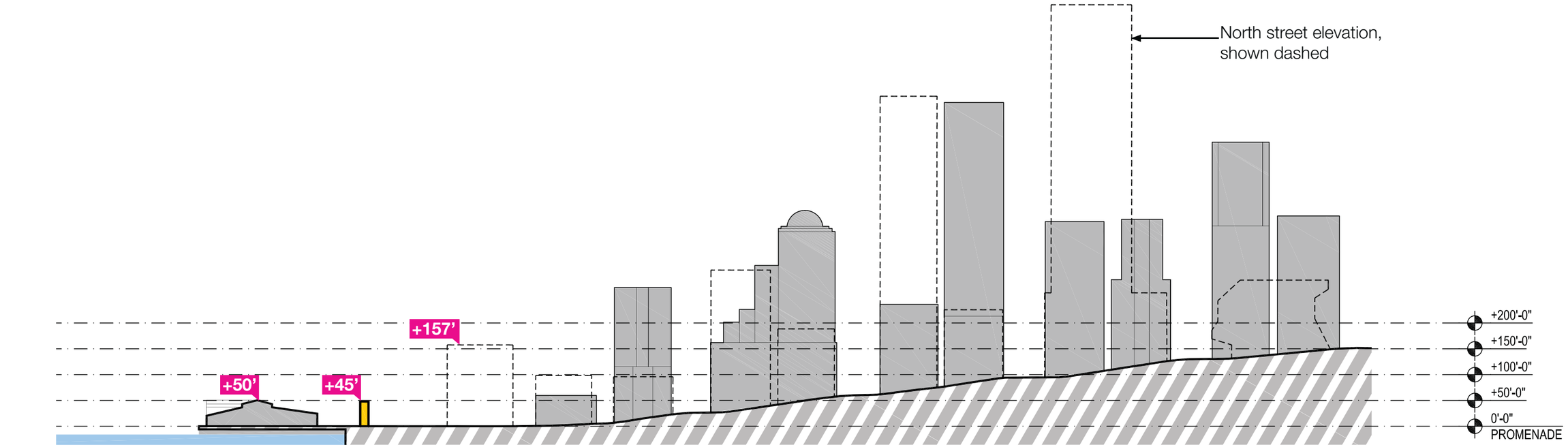


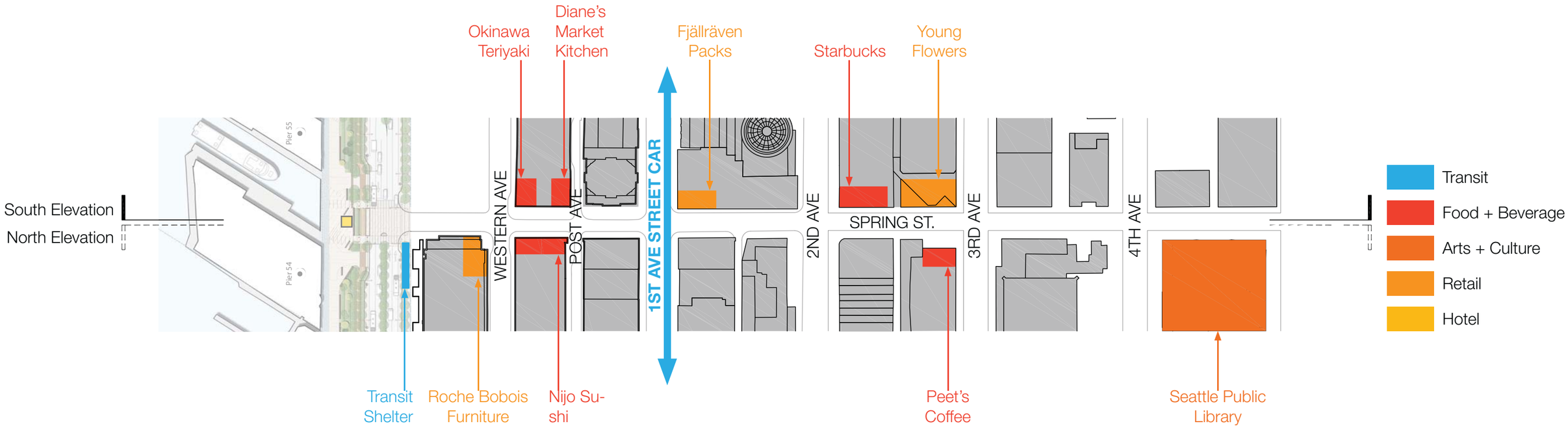
WATERFRONT SEATTLE KIOSKS
nARCHITECTS

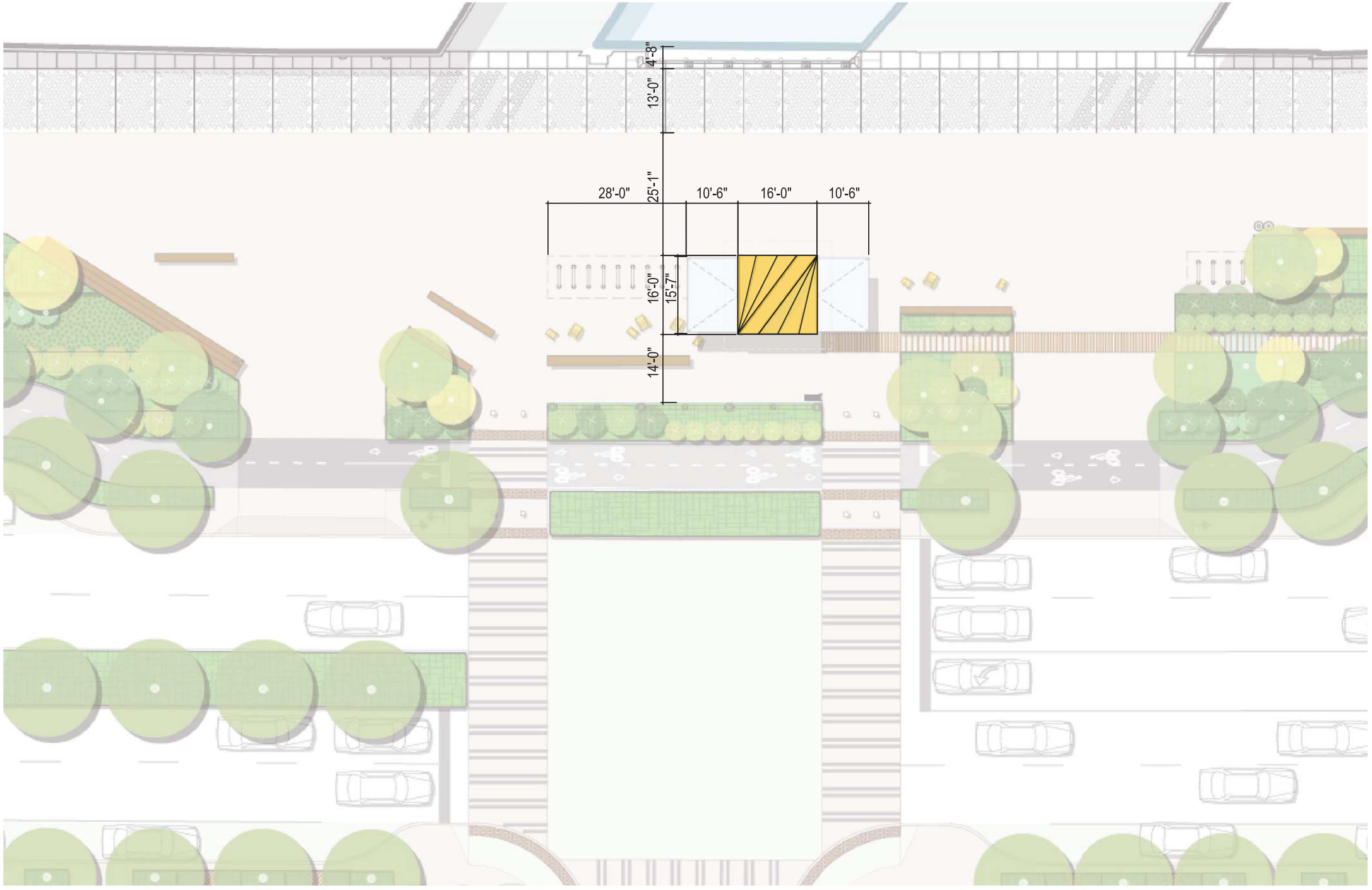
60% SDC PRESENTATION
June 18, 2015

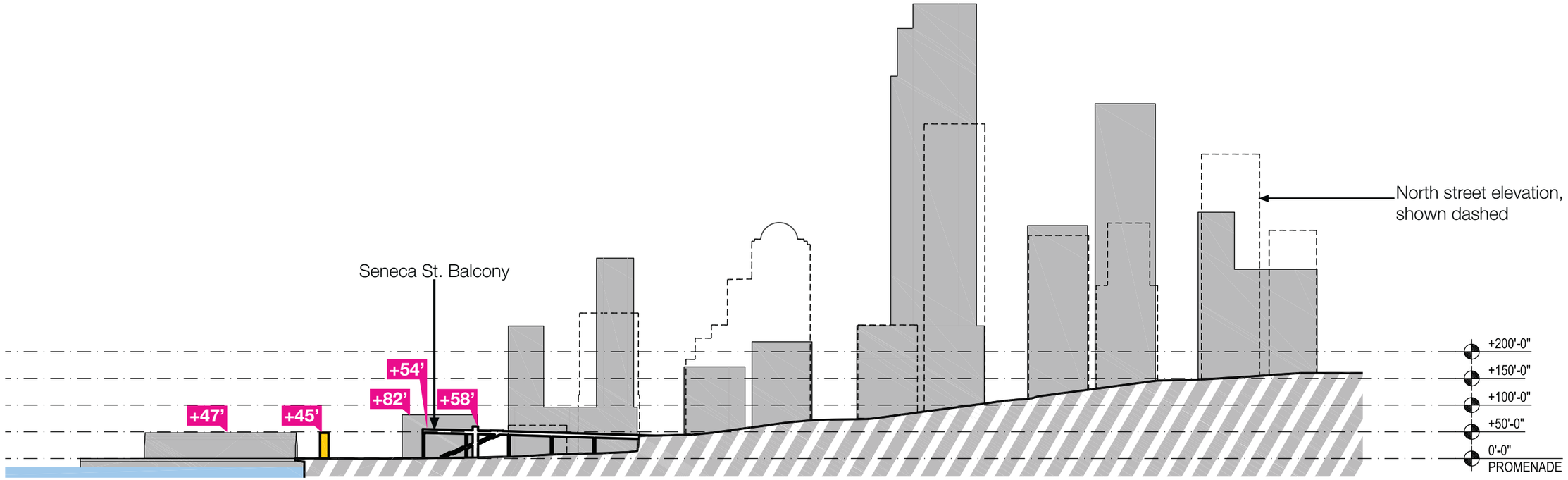
STREET CONTEXT: ALASKAN WAY

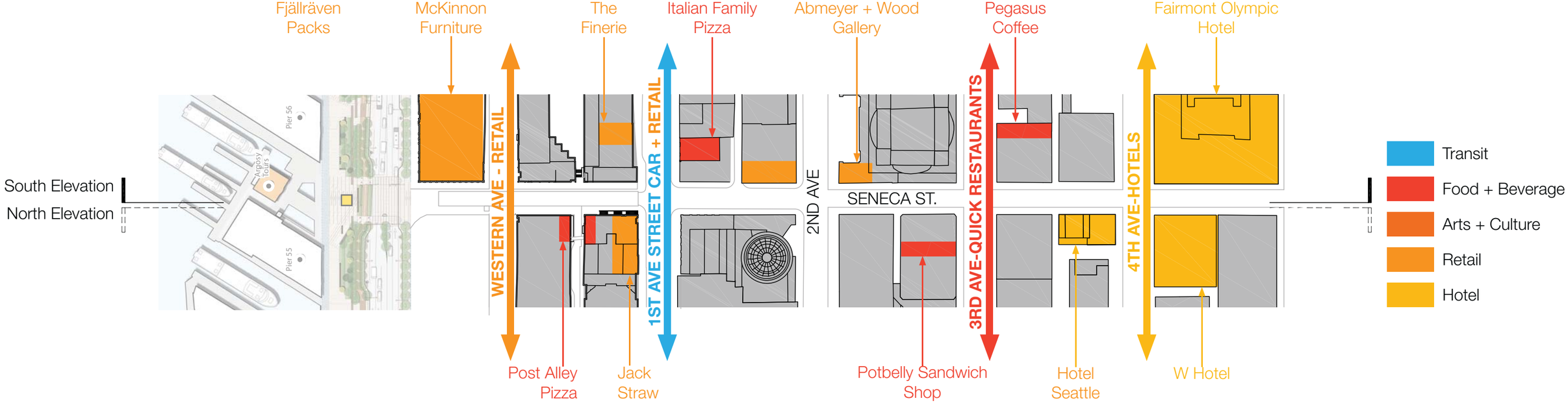
0 100' 200'


North street elevation,
shown dashed
+200'-0"
+150'-0"
+100'-0"
+50'-0"
0'-0"
PROMENADE
+157'
+50'
+45'

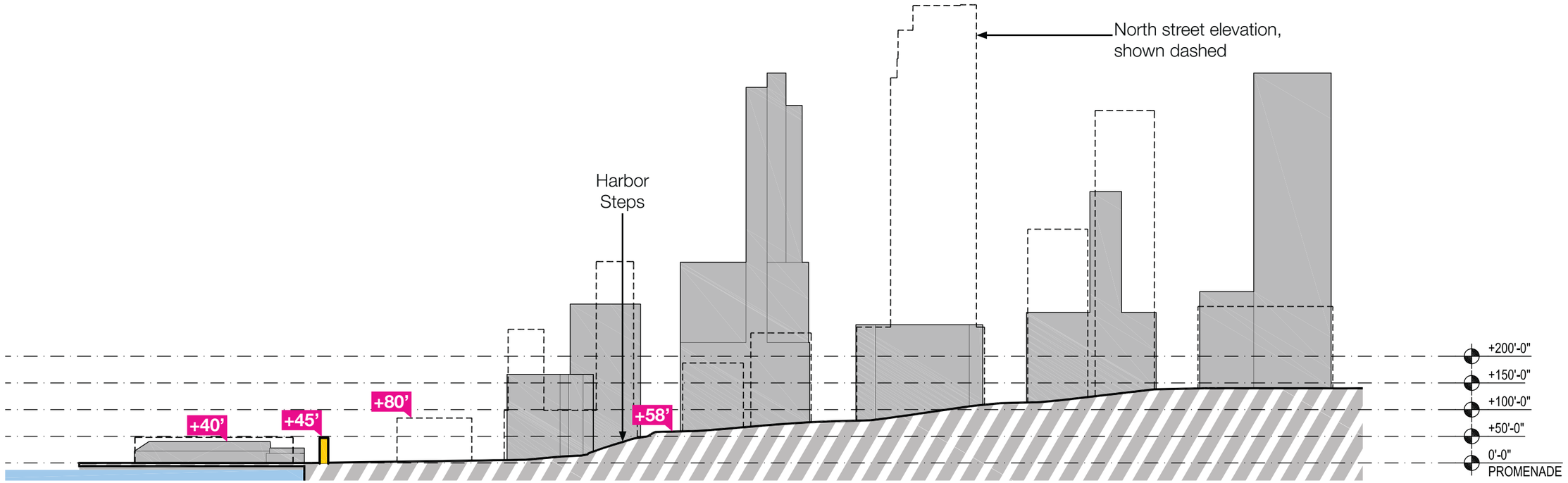

Diane's
Okinawa Teriyaki
Market Kitchen
Fjällräven Packs
Starbucks
Young Flowers
South Elevation
North Elevation
Pier 55
Pier 54
WESTERN AVE
POST AVE
1ST AVE STREET CAR
2ND AVE
SPRING ST.
3RD AVE
4TH AVE
Transit Shelter
Roche Bobois Furniture
Nijo Su-shi
Peet's Coffee
Seattle Public Library
Transit
Food + Beverage
Arts + Culture
Retail
Hotel

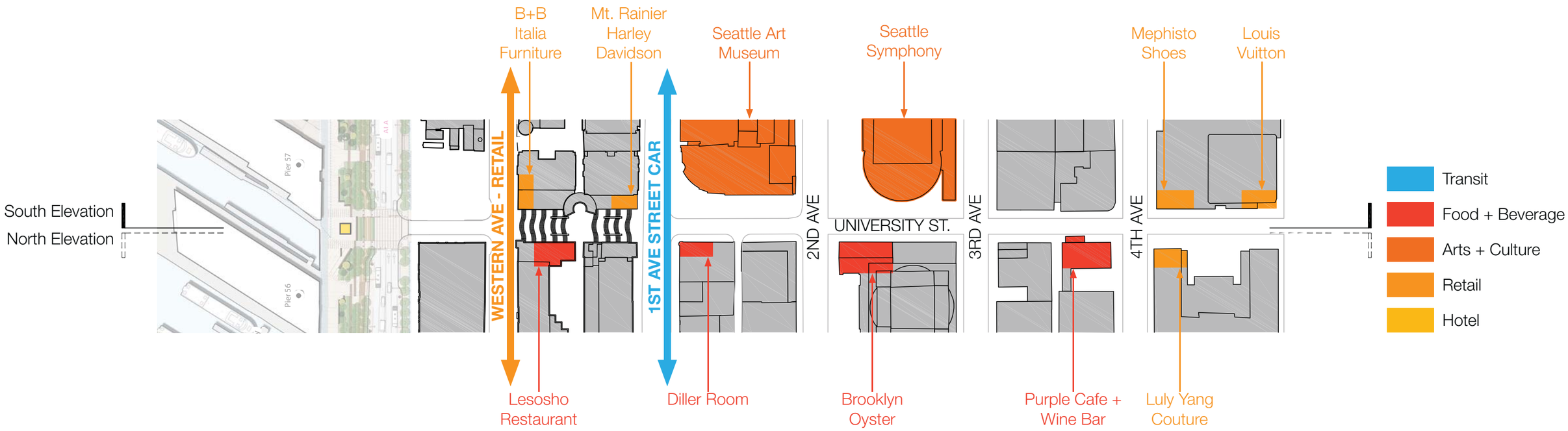

4'-8"
13'-0"
25'-1"
28'-0"
10'-6"
16'-0"
10'-6"
16'-0"
15'-7"
14'-0"

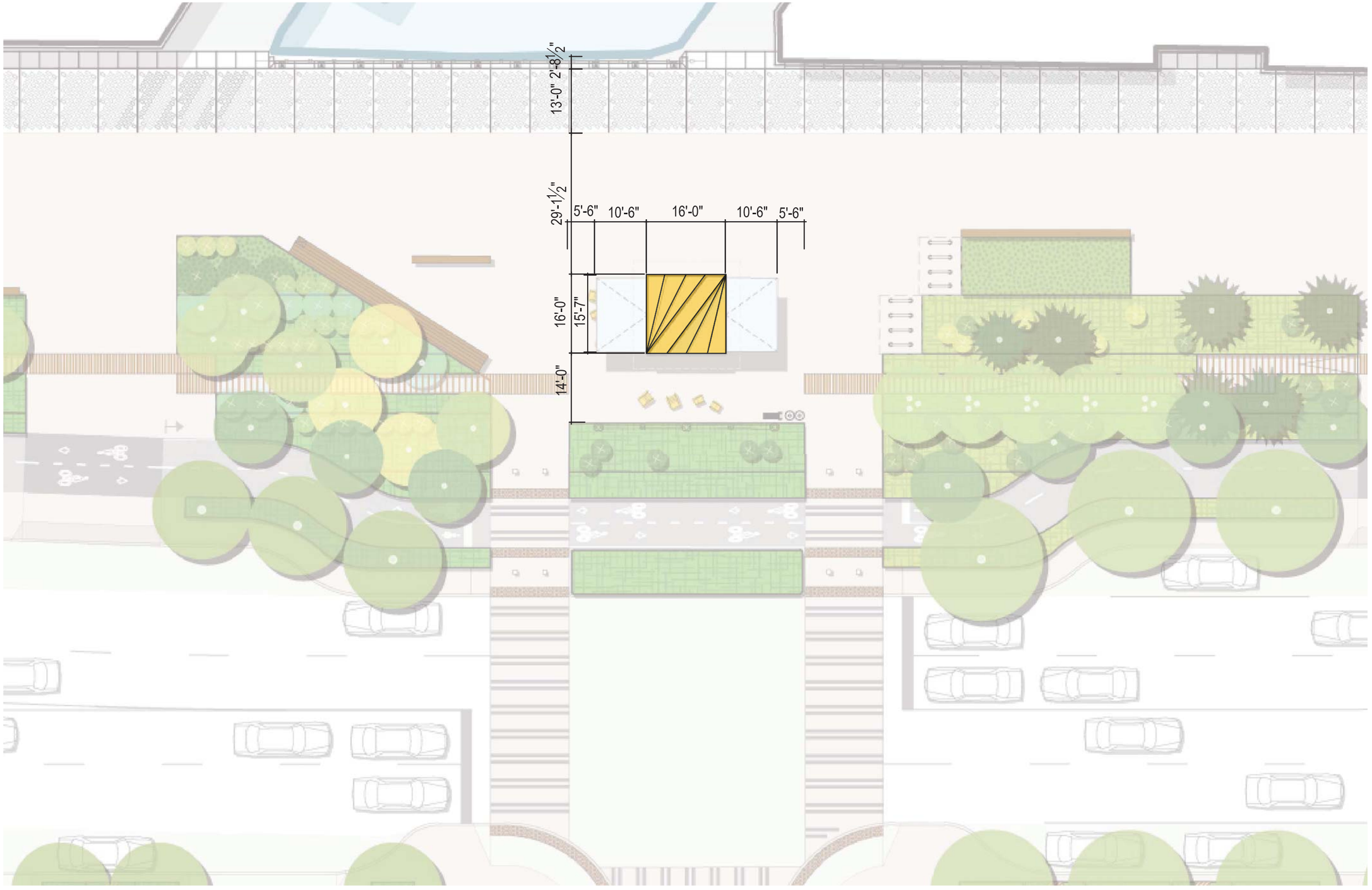

Seneca St. Balcony
+47’
+45’
+82’
+54’
+58’
North street elevation,
shown dashed
+200'-0"
+150'-0"
+100'-0"
+50'-0"
0'-0"
PROMENADE

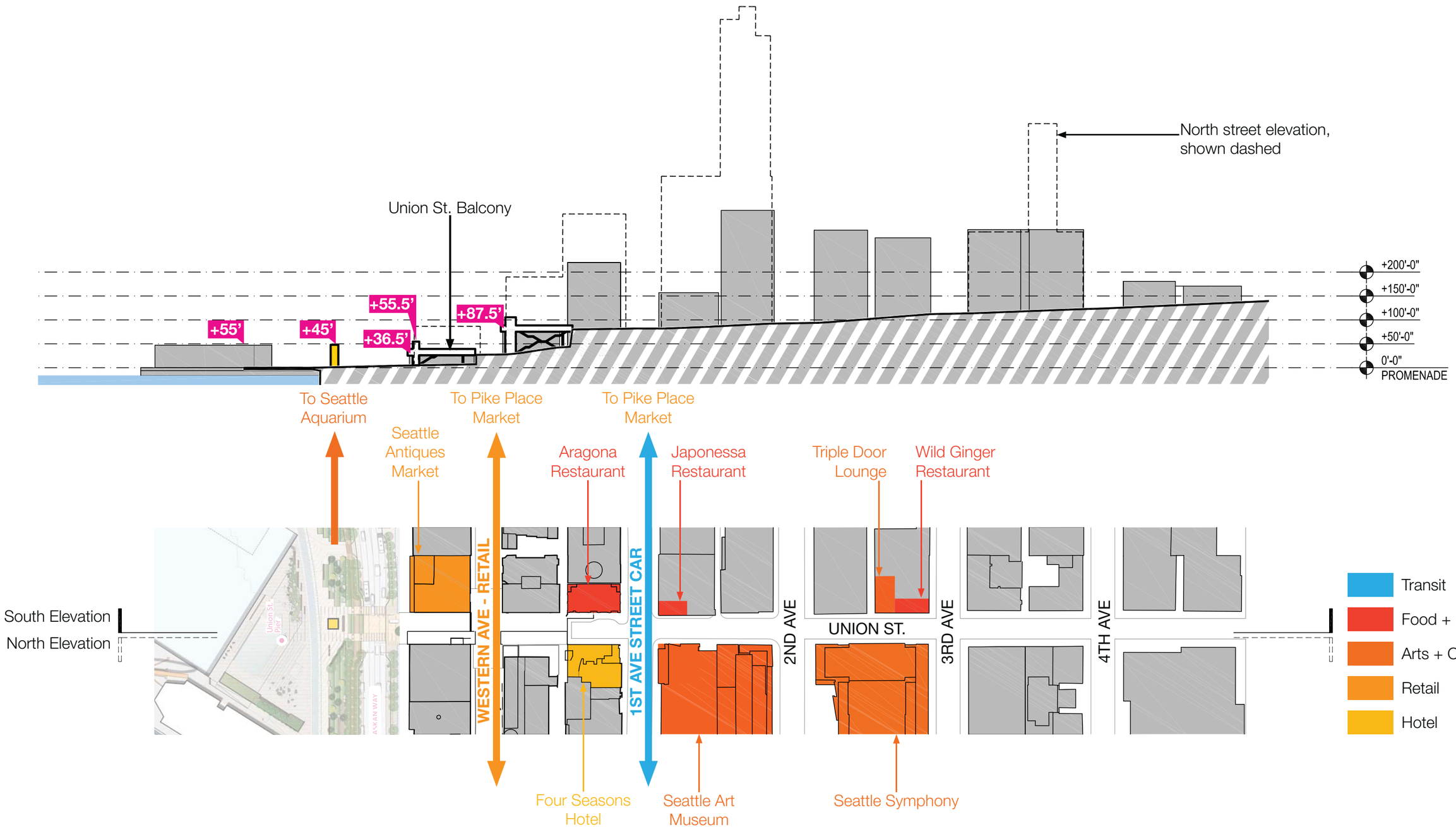

Fjällräven
Packs
McKinnon
Furniture
The
Finerie
Italian Family
Pizza
Abmeyer + Wood
Gallery
Pegasus
Coffee
Fairmont Olympic
Hotel
South Elevation
North Elevation
Pier 56
Pier 55
Argosy
Tours
WESTERN AVE - RETAIL
1ST AVE STREET CAR + RETAIL
2ND AVE
SENECA ST.
3RD AVE-QUICK RESTAURANTS
4TH AVE-HOTELS
Post Alley
Pizza
Jack
Straw
Potbelly Sandwich
Shop
Hotel
Seattle
W Hotel
Transit
Food + Beverage
Arts + Culture
Retail
Hotel

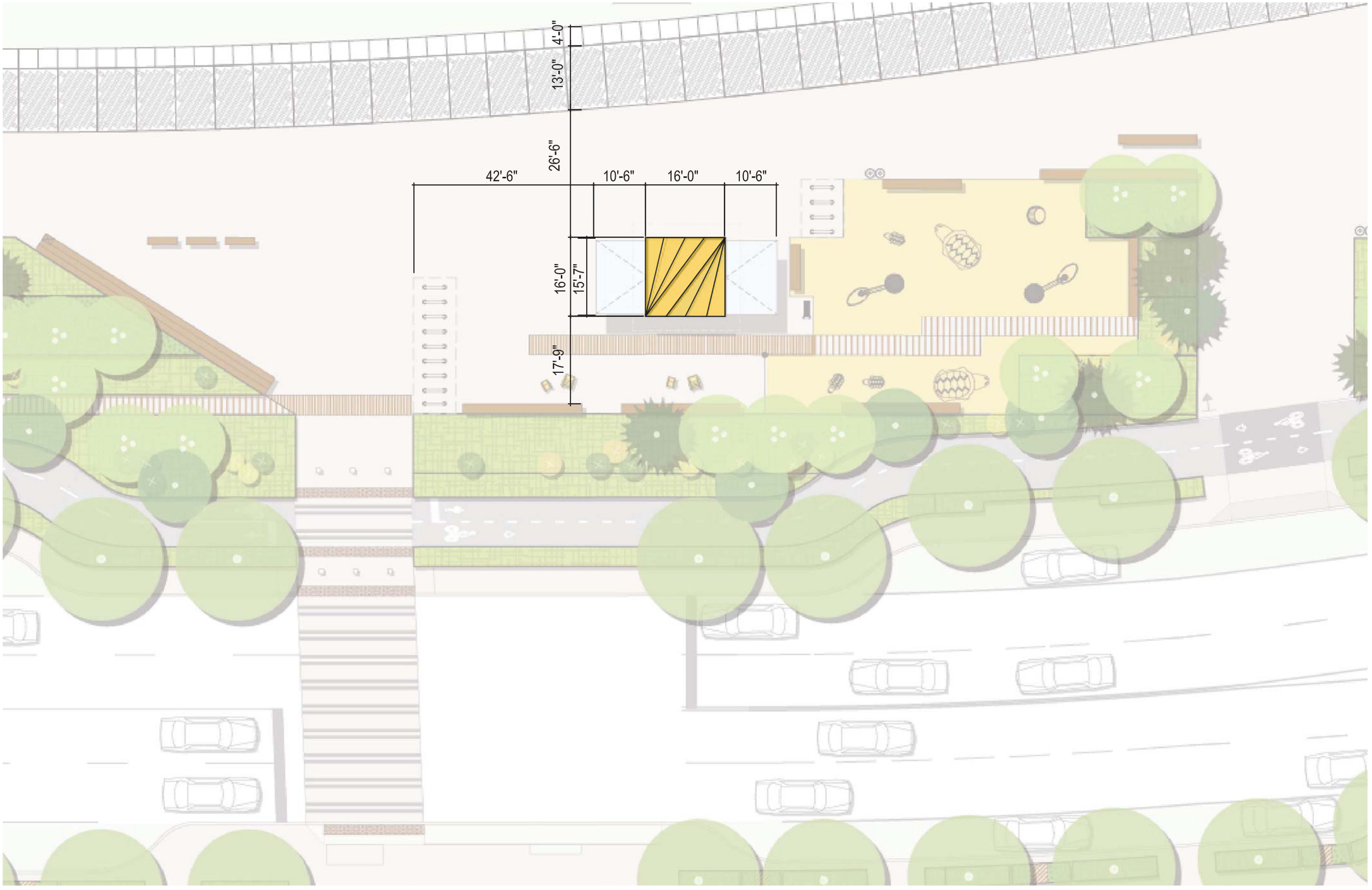

3'-6"
13'-0"
28'-11"
13'-6"
10'-6"
16'-0"
10'-6"
13'-6"
16'-0"
15'-7"
14'-0"


North street elevation,
shown dashed
Harbor
Steps
+40’
+45’
+80’
+58’
+200'-0"
+150'-0"
+100'-0"
+50'-0"
0'-0"
PROMENADE


B+B
Italia
Furniture
Mt. Rainier
Harley
Davidson
Seattle Art
Museum
Seattle
Symphony
Mephisto
Shoes
Louis
Vuitton
South Elevation
North Elevation
Pier 57
Pier 56
WESTERN AVE - RETAIL
1ST AVE STREET CAR
2ND AVE
UNIVERSITY ST.
3RD AVE
4TH AVE
Lesosho
Restaurant
Diller Room
Brooklyn
Oyster
Purple Cafe +
Wine Bar
Luly Yang
Couture
Transit
Food + Beverage
Arts + Culture
Retail
Hotel


13'-0"
2'-8½"
29'-1½"
5'-6"
10'-6"
16'-0"
10'-6"
5'-6"
16'-0"
15'-7"
14'-0"


North street elevation, shown dashed
Union St. Balcony
+55'
+45'
+55.5'
+36.5'
+87.5'
+200'-0"
+150'-0"
+100'-0"
+50'-0"
0'-0"
PROMENADE
To Seattle Aquarium
To Pike Place Market
To Pike Place Market
Seattle Antiques Market
Aragona Restaurant
Japonessa Restaurant
Triple Door Lounge
Wild Ginger Restaurant
WESTERN AVE - RETAIL
1ST AVE STREET CAR
2ND AVE
UNION ST.
3RD AVE
4TH AVE
South Elevation
North Elevation
Union St. Pier
ALASKAN WAY
Four Seasons Hotel
Seattle Art Museum
Seattle Symphony
Transit
Food + Beverage
Arts + Culture
Retail
Hotel


4'-0"
13'-0"
26'-6"
42'-6"
10'-6"
16'-0"
10'-6"
16'-0"
15'-7"
17'-9"

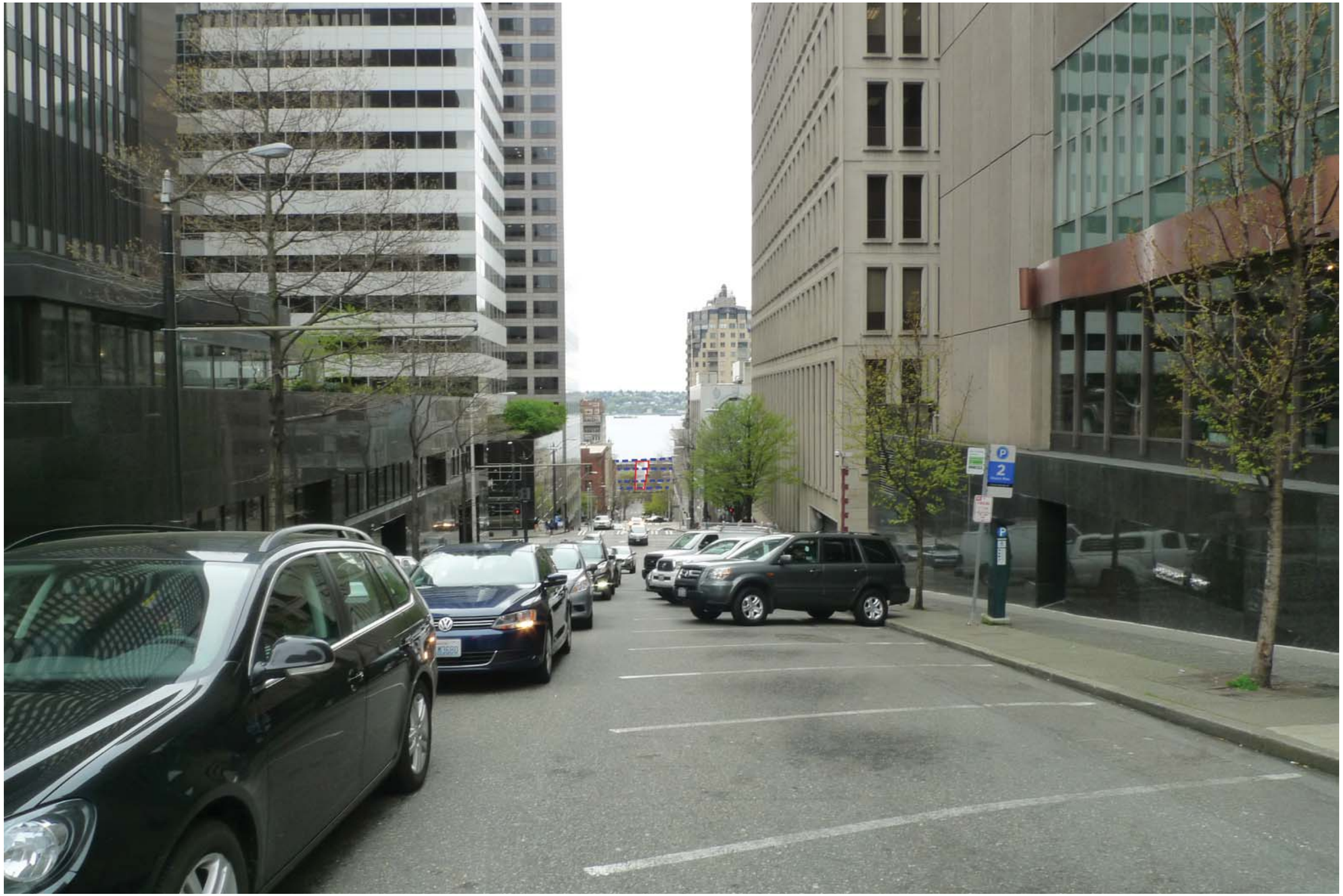
COLUMBIA ST.

SPRING ST.

SENECA ST. - KIOSK NOT VISIBLE

UNIVERSITY ST.

UNION ST. - KIOSK NOT VISIBLE

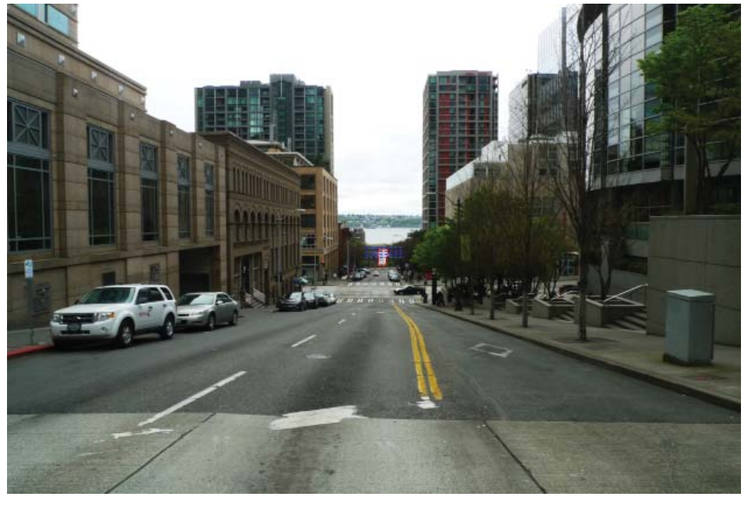



PARK
PARK
THE CAPITAL GRILLE

COLUMBIA ST.

SPRING ST.

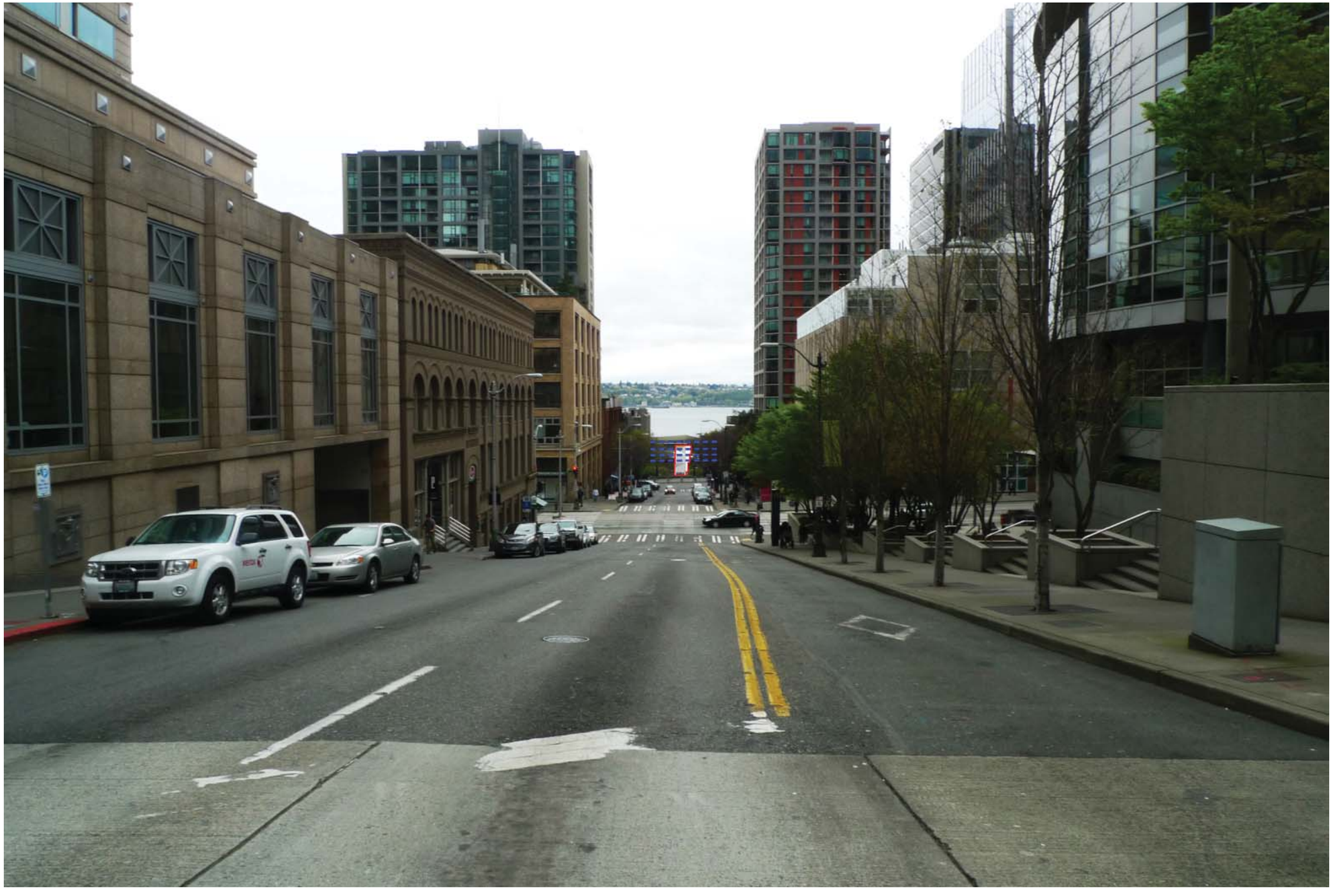
SENECA ST. - KIOSK NOT VISIBLE

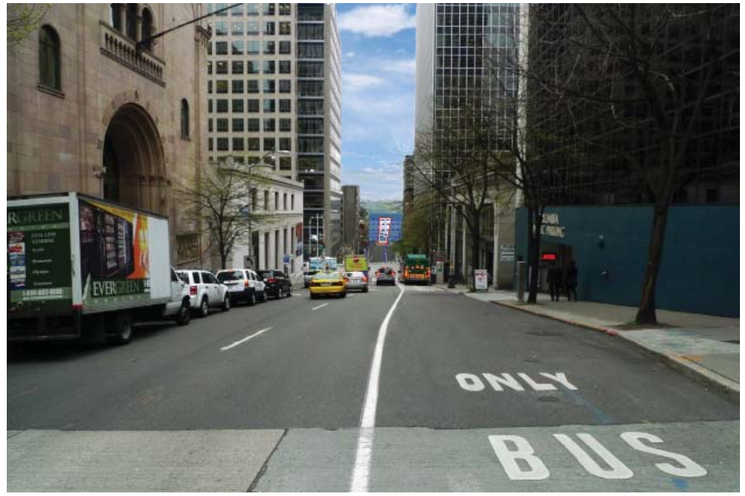


UNIVERSITY ST.

UNION ST. - KIOSK NOT VISIBLE


STARBUCKS COFF

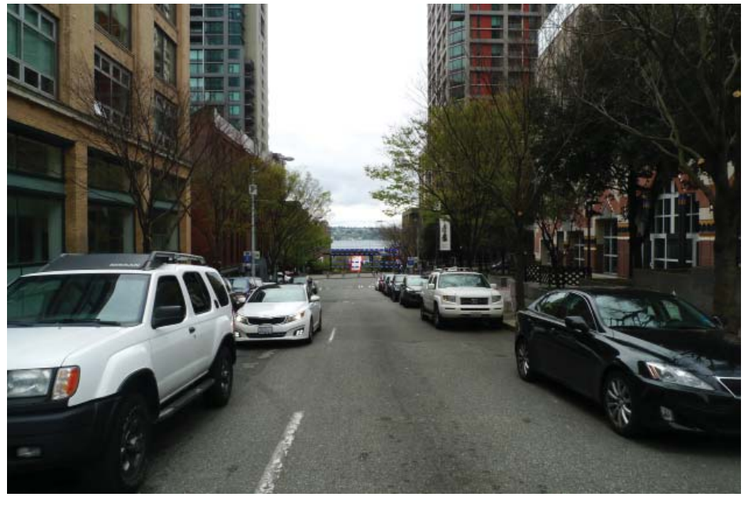




COLUMBIA ST.

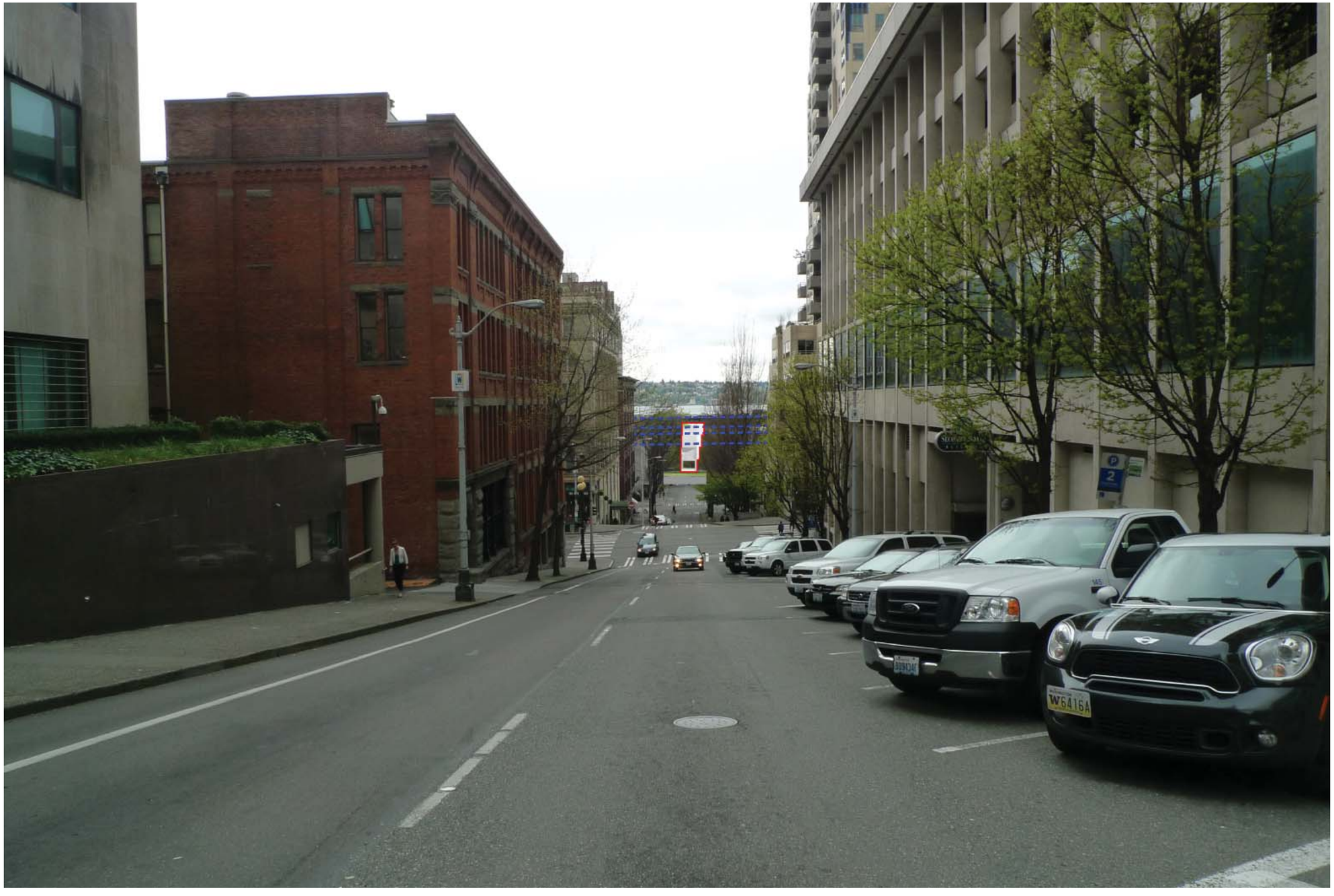
SPRING ST.

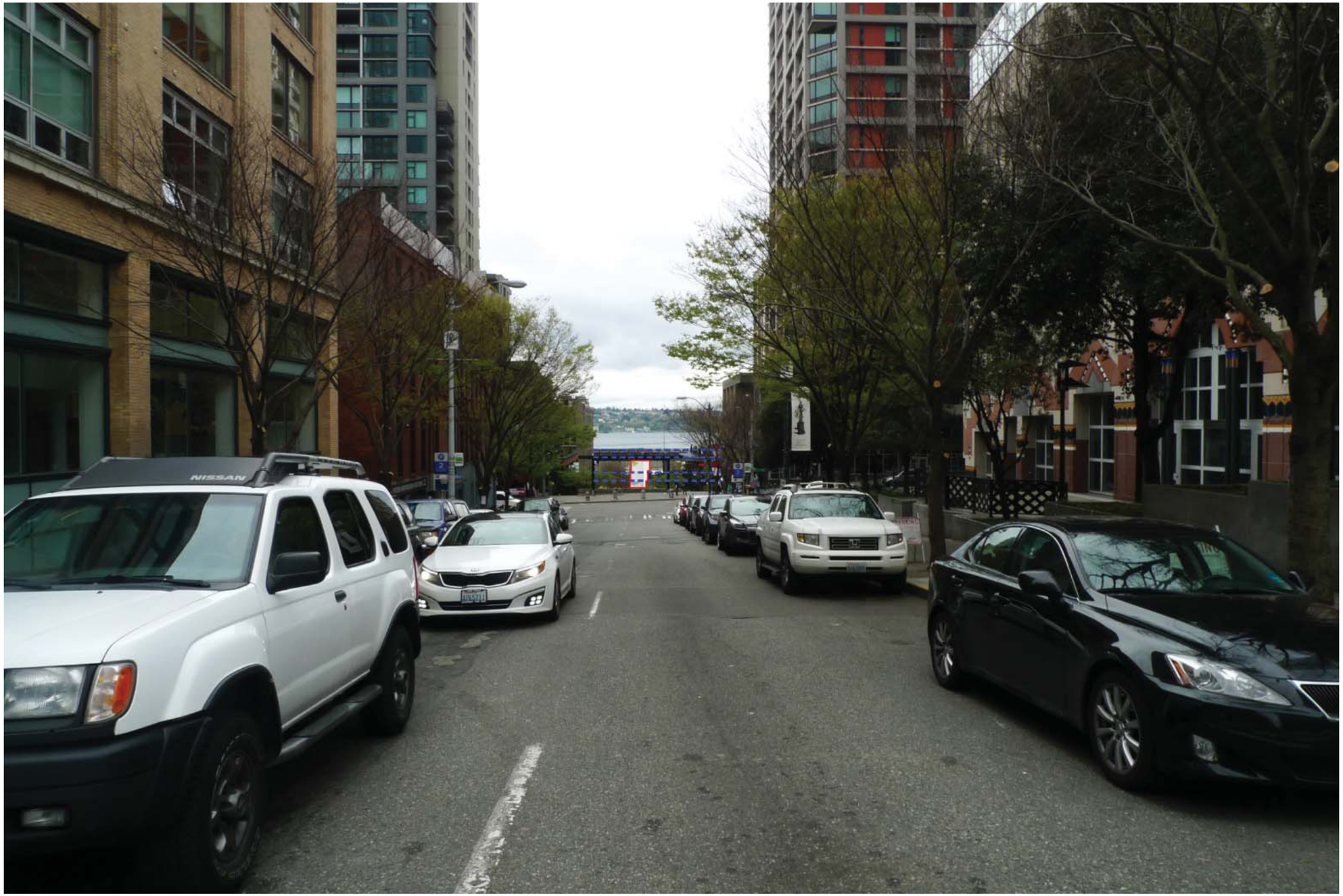
SENECA ST. - KIOSK NOT VISIBLE



UNIVERSITY ST.

UNION ST. - KIOSK NOT VISIBLE




NISSAN

COLUMBIA ST.

SPRING ST.

SENECA ST.

UNIVERSITY ST.

UNION ST.


KidsCentre


CANTINA

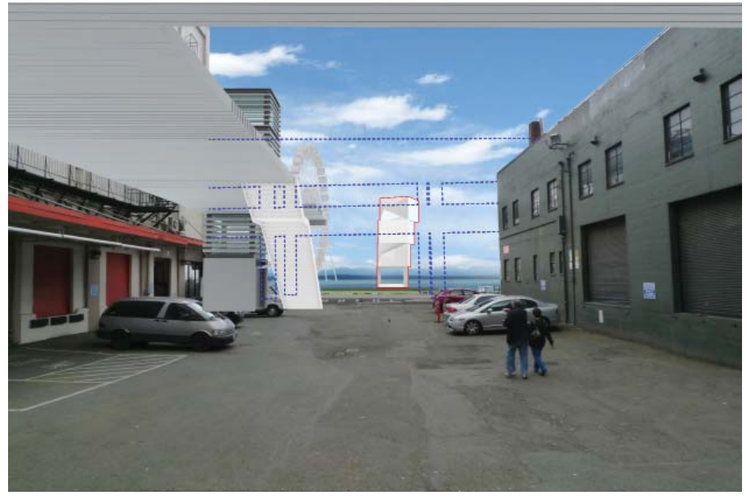

Public Storage
800·44·STORE

COLUMBIA ST. & POST AVE.

SPRING ST.

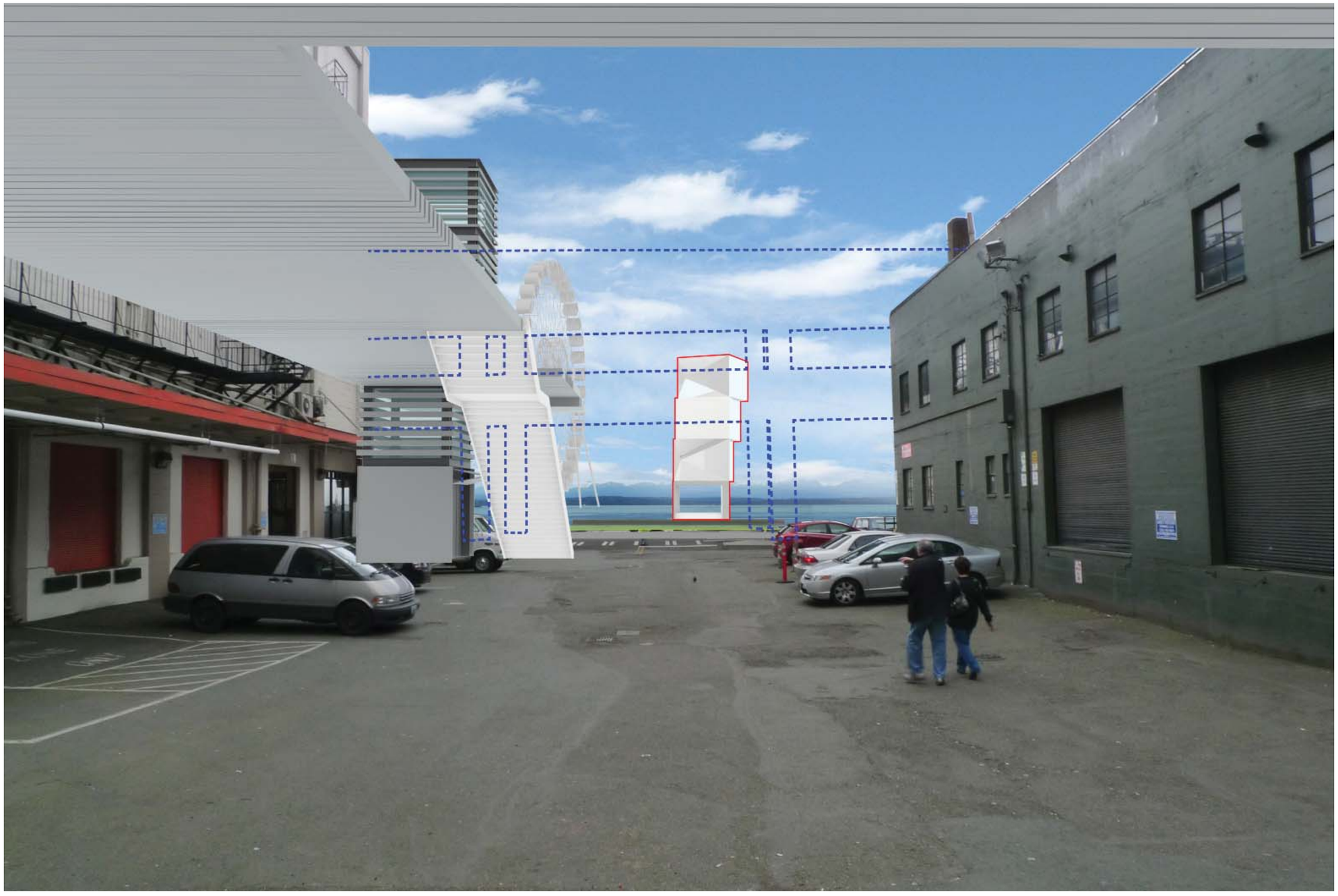
SENECA ST.

UNIVERSITY ST.



UNION ST.


rochebobois
rochebobois



1. SCALE & CONTEXT
-HISTORICAL ELEMENTS


UNAUTHORIZED VEHICLES
24 HOURS A DAY
TBT TOWING
(206) 284-8128


UNAUTHORIZED VEHICLES
24 HOURS A DAY
TBT TOWING
(206) 284-8128


To Pike Place Market
SALE
DANIA

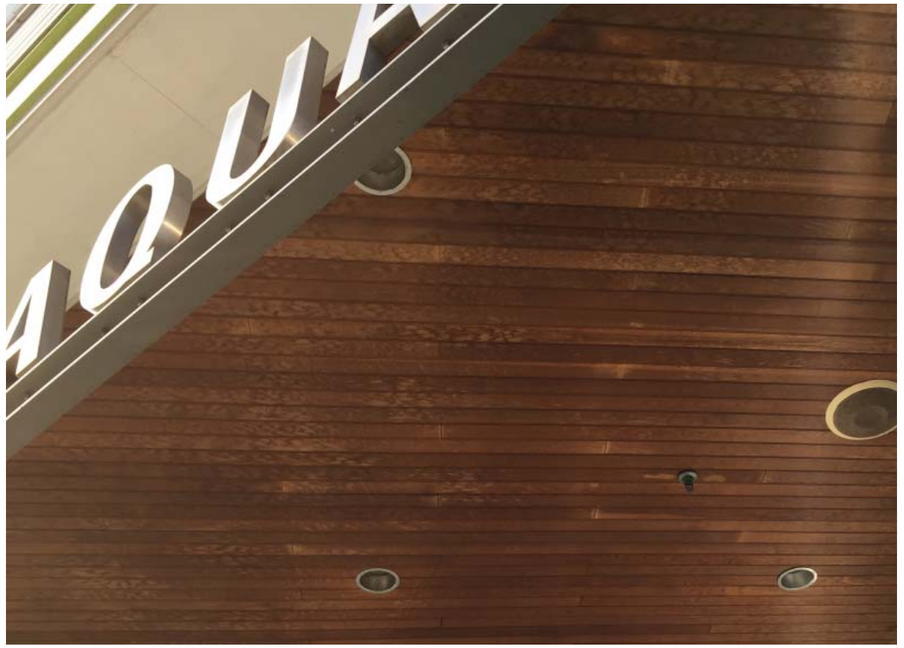

OPEN
United Rentals

Pier 58 Interior

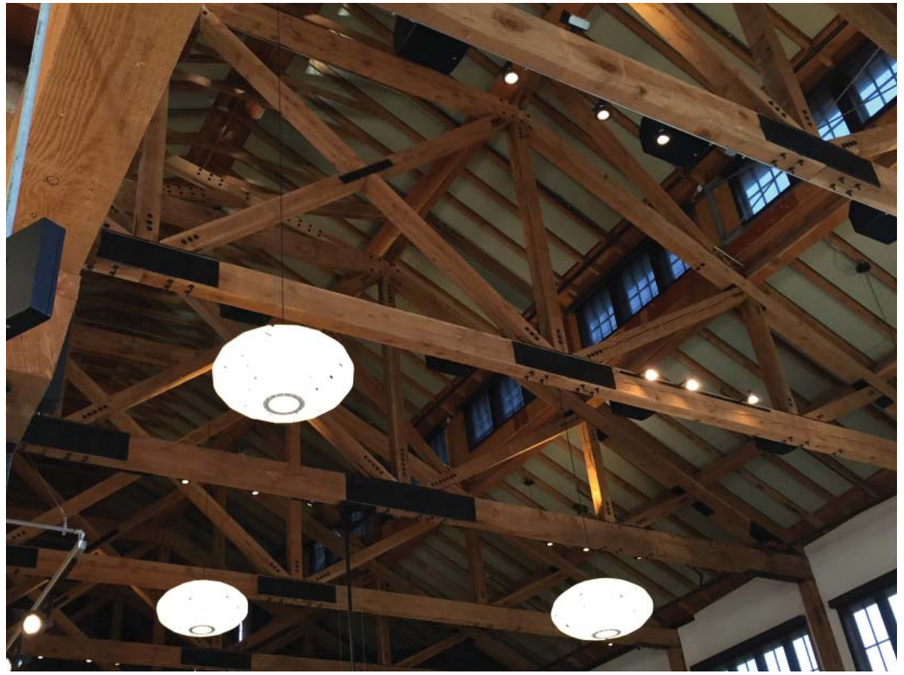
Pier 58 Detail

Pier 66

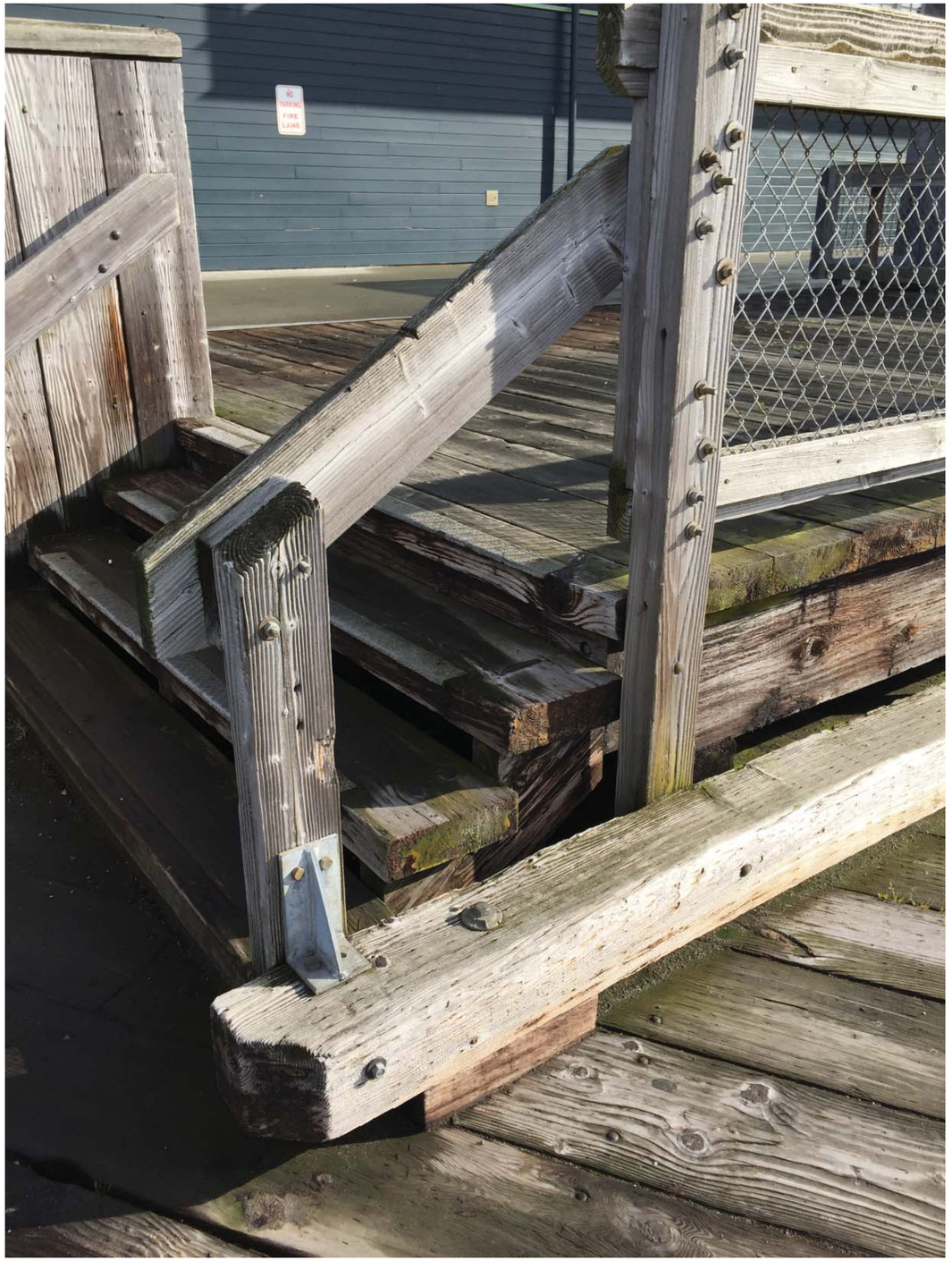
Aquarium Cladding



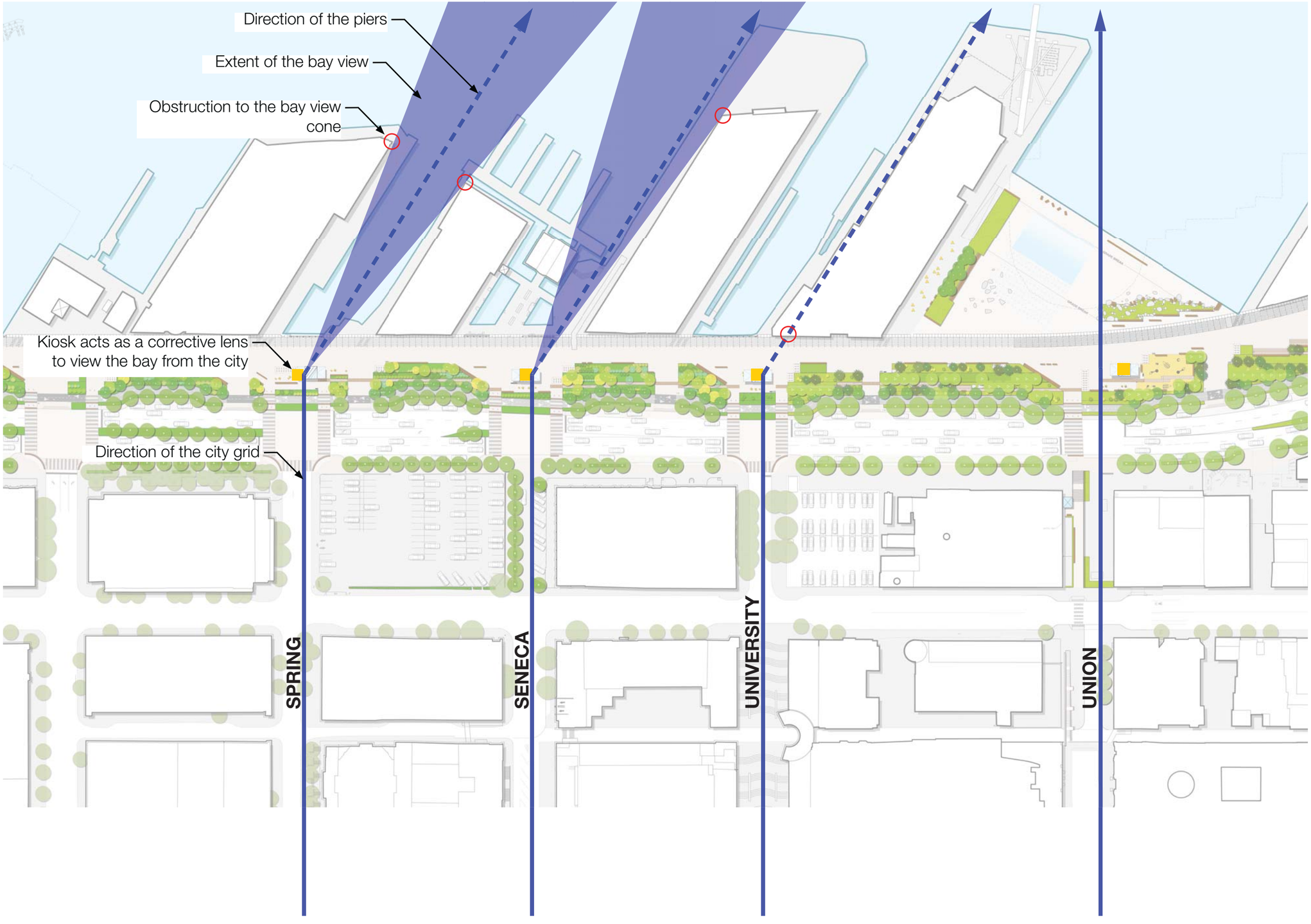
Aquarium Soffit

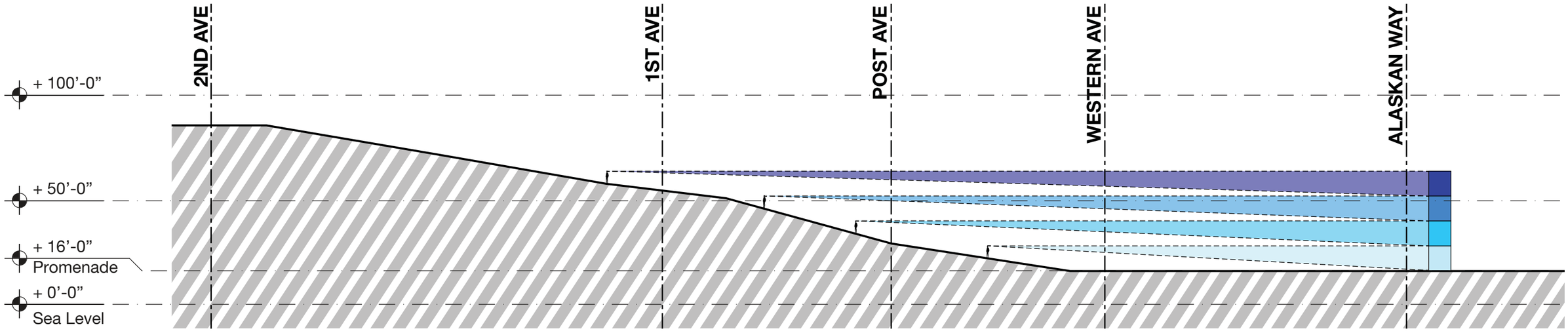


Aquarium Roof Truss

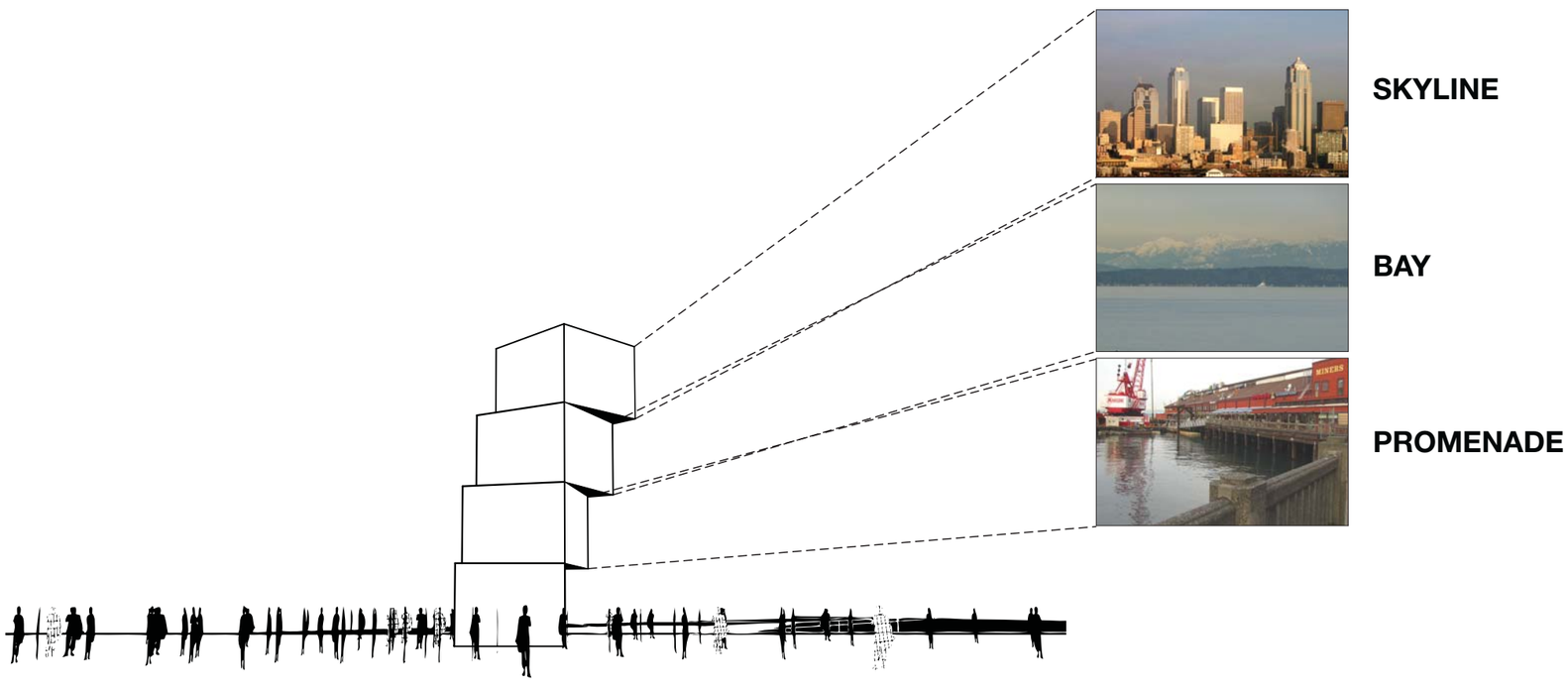


2. URBAN KALEIDOSCOPE / VARIABILITY


Direction of the piers
Extent of the bay view
Obstruction to the bay view cone
Kiosk acts as a corrective lens to view the bay from the city
Direction of the city grid
SPRING
SENECA
UNIVERSITY
UNION



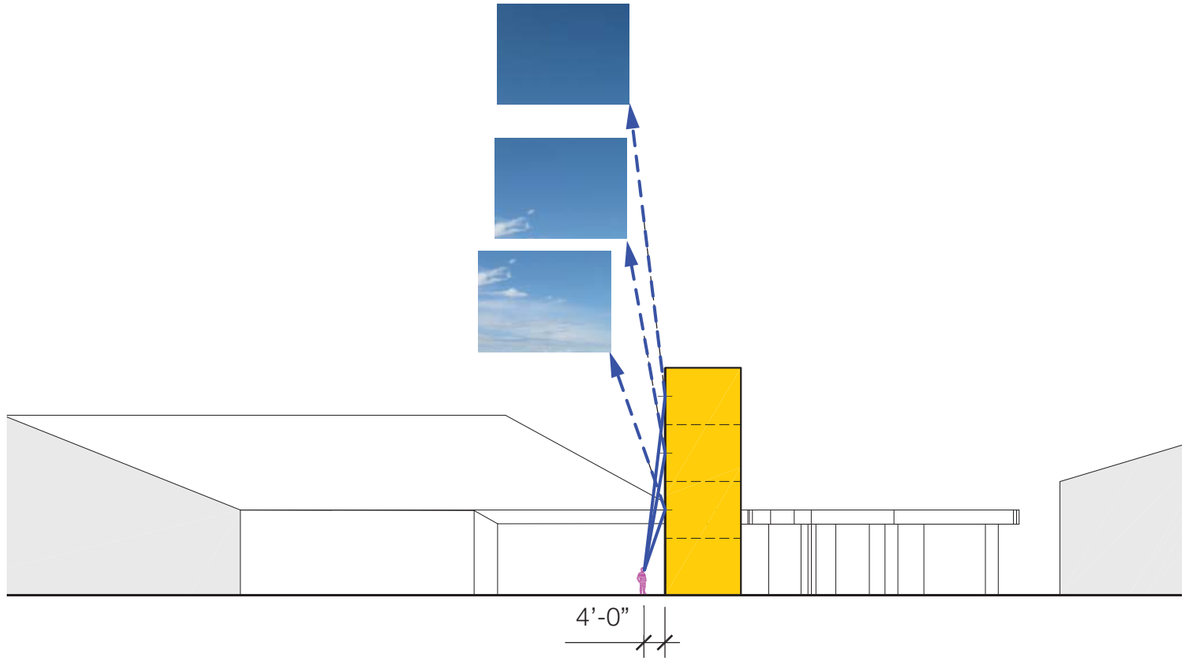
GLIMPSES OF KIOSKS FROM CITY STREETS



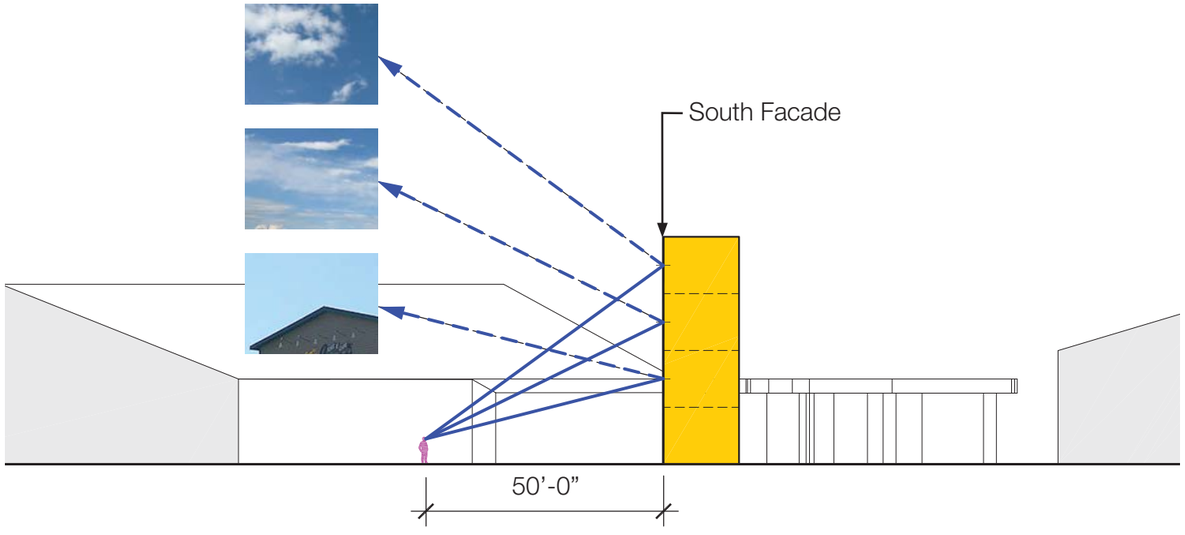
SKYLINE

BAY

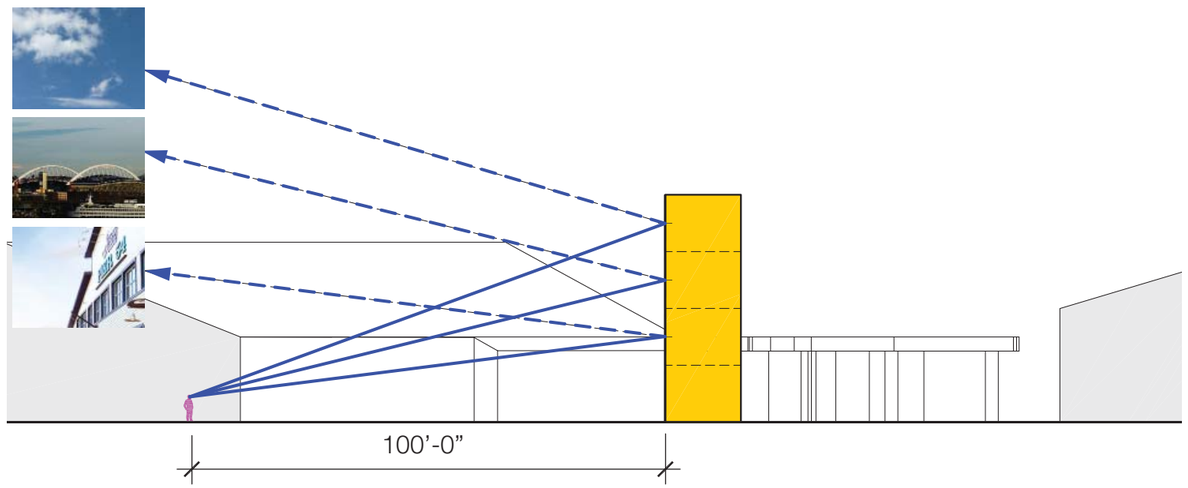
PROMENADE



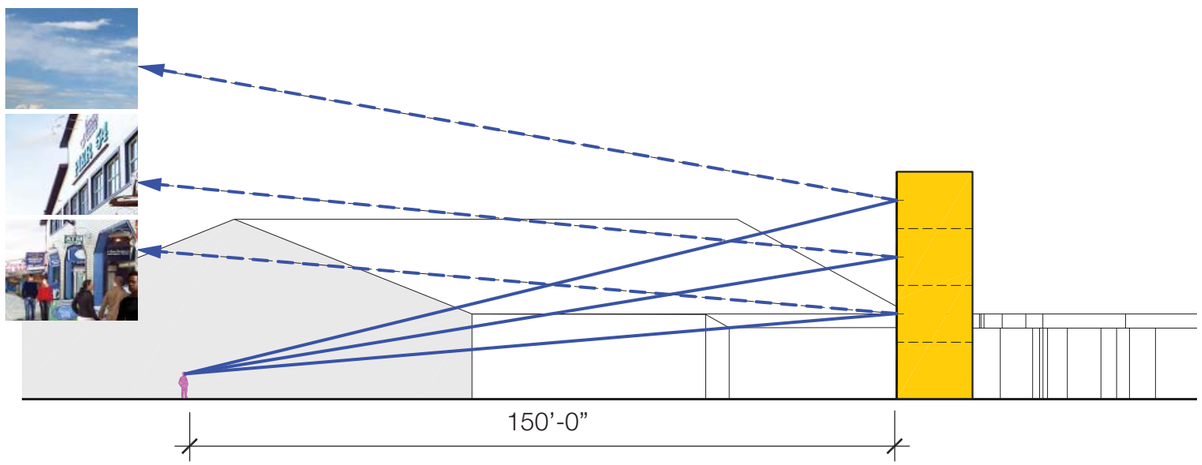
4’-0” from Kiosk



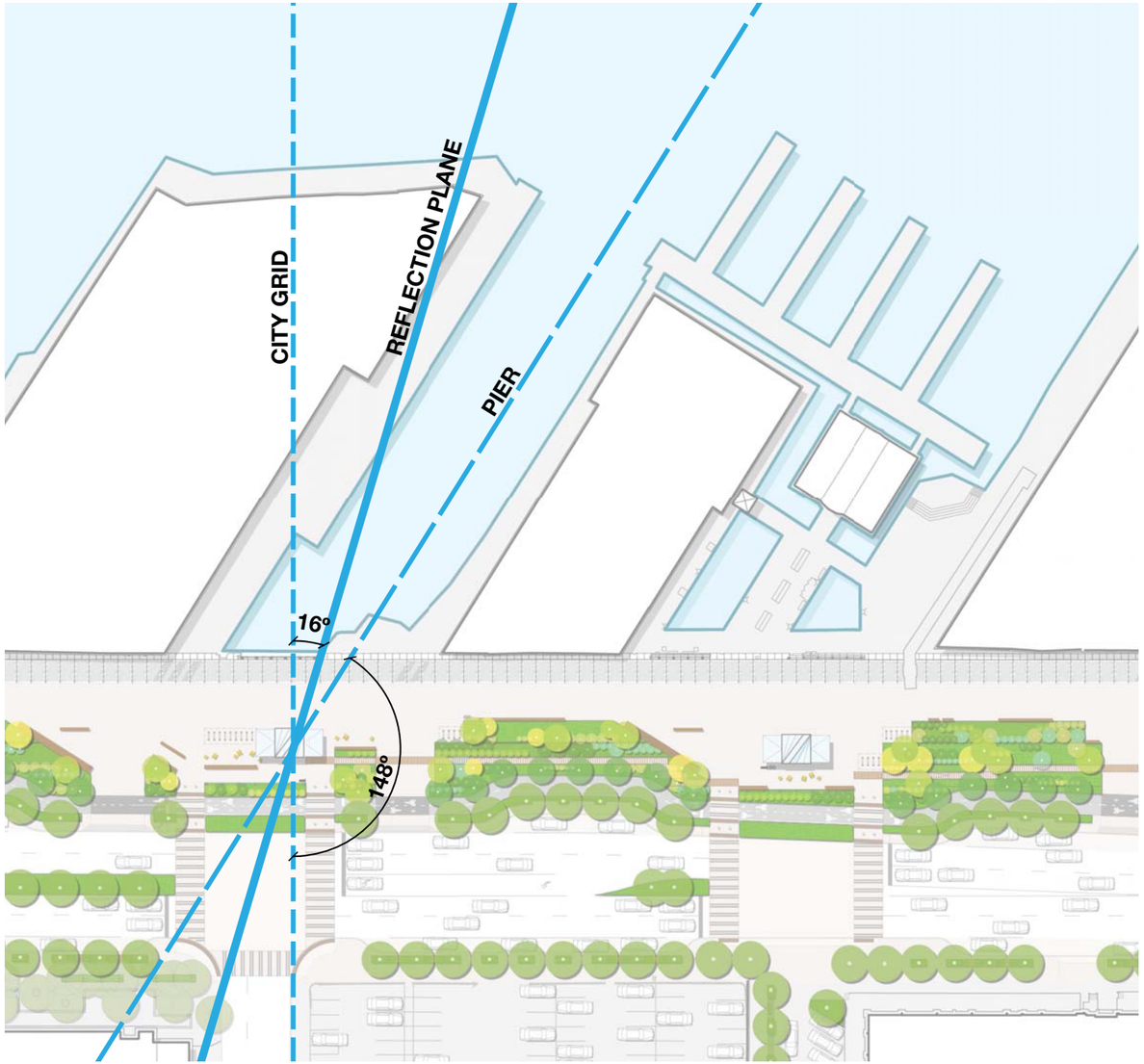
50’-0” from Kiosk

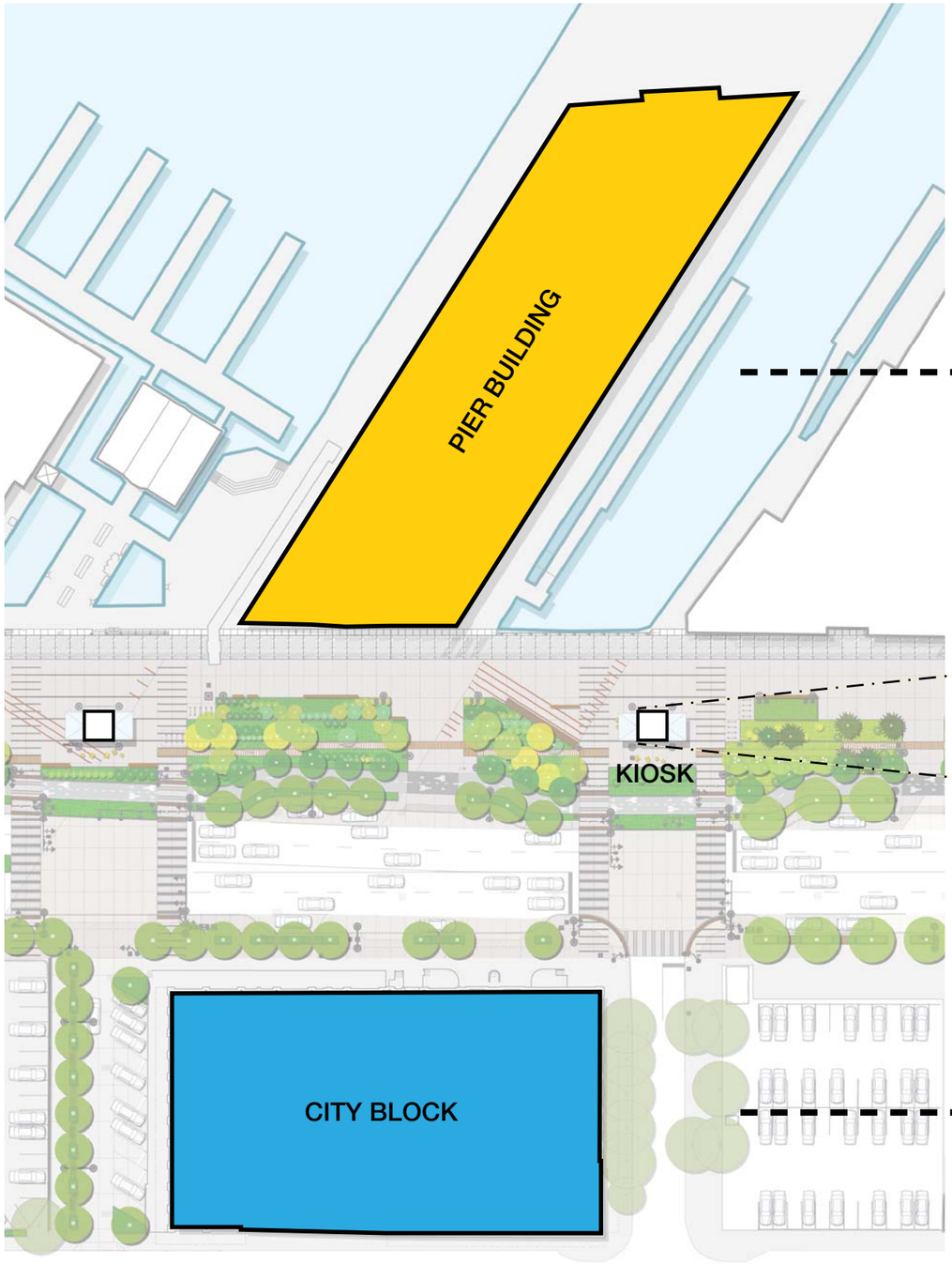


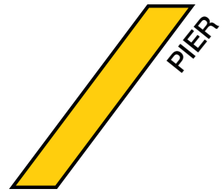
100’-0” from Kiosk

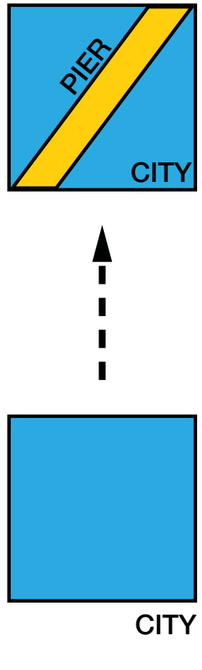


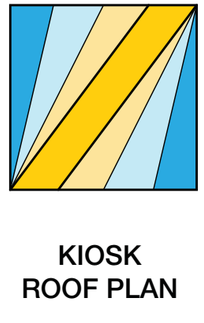
150’-0” from Kiosk

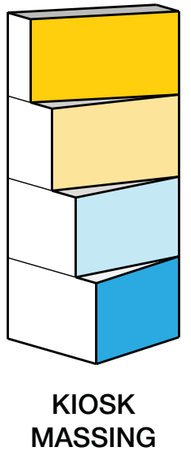

CITY GRID
REFLECTION PLANE
PIER
16°
148°

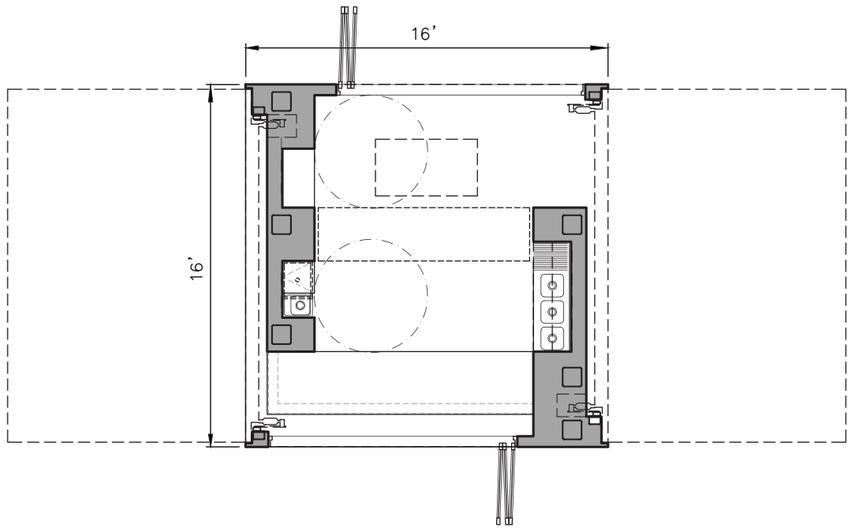

PIER BUILDING
KIOSK
CITY BLOCK


PIER

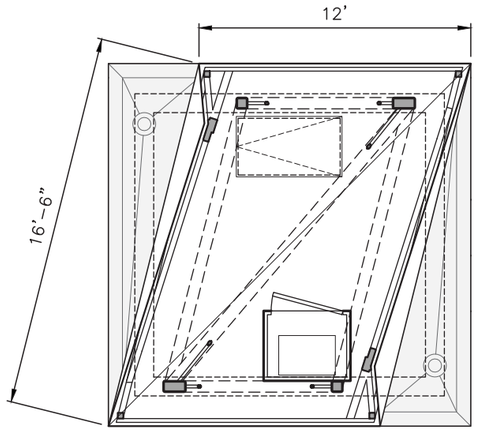

PIER
CITY
CITY


KIOSK
ROOF PLAN

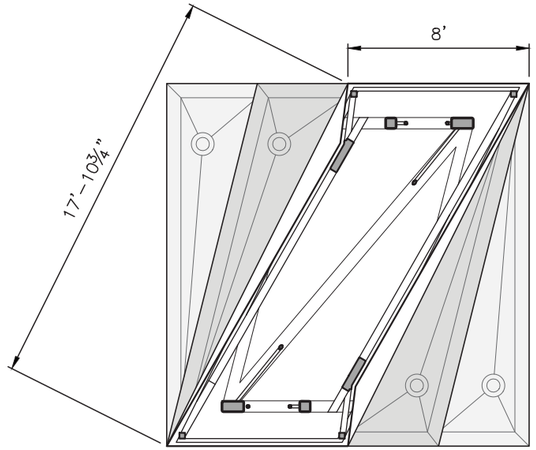

KIOSK
MASSING



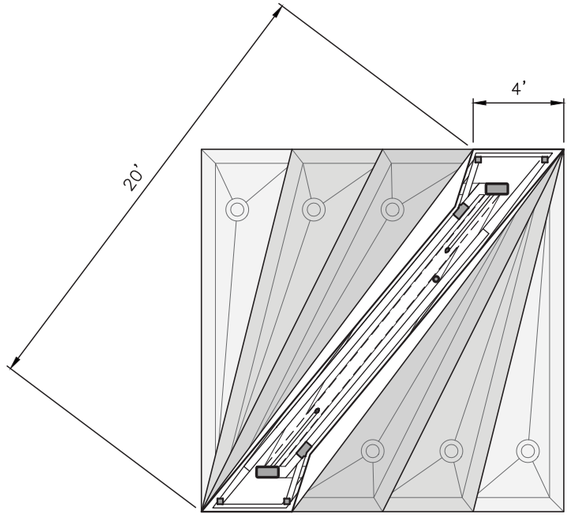
GROUND FLOOR PLAN



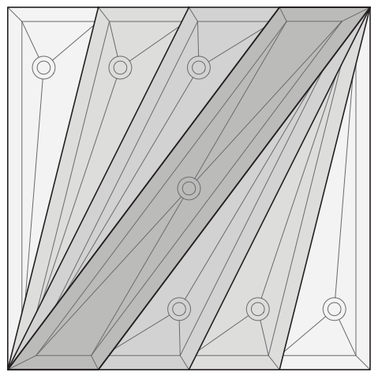
VOLUME 2 PLAN



VOLUME 3 PLAN



VOLUME 4 PLAN

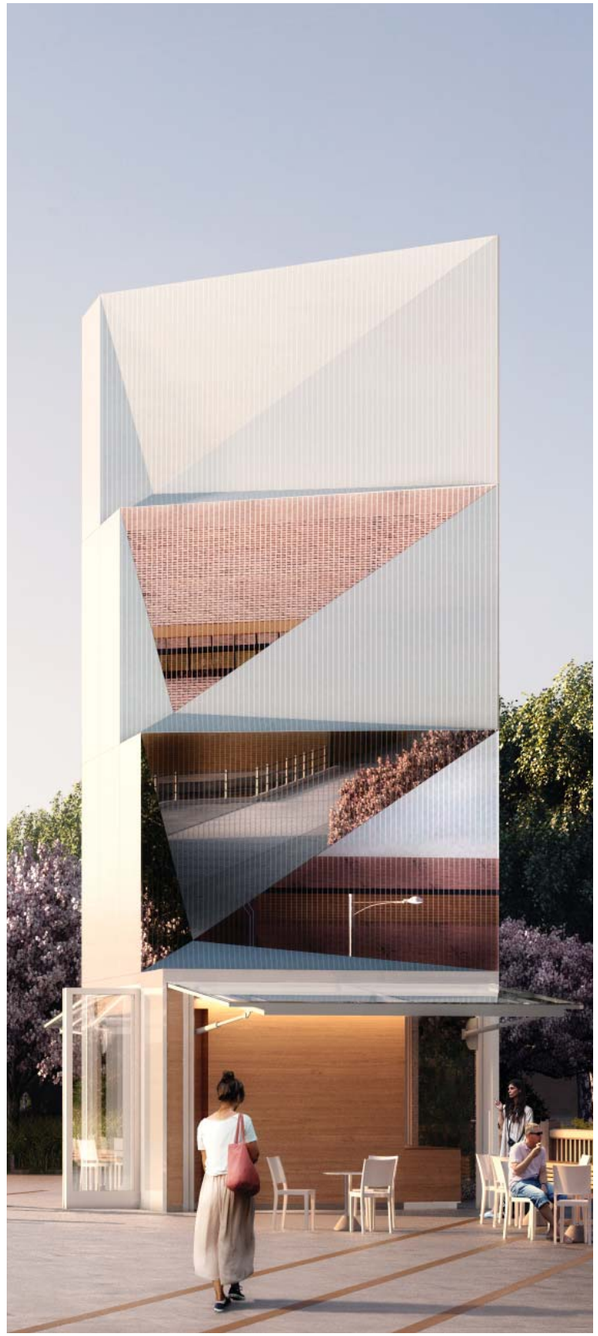


ROOF PLAN

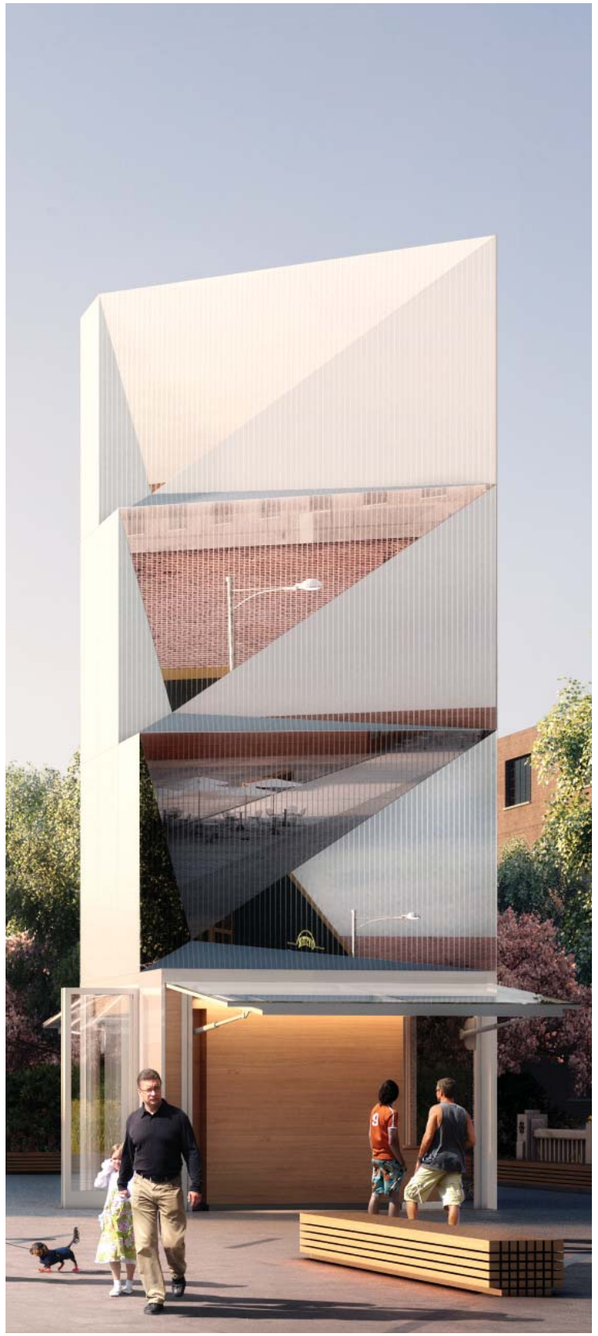

DINING CRUISES • EVENTS
ARGOSY
HARBOR CRUISE
TILLICUM VILLAGE
OPEN YEAR ROUND
ELLIOTT'S
LANDING


INERS LANDING
MINERS LANDING
Public Storage
COFFEE

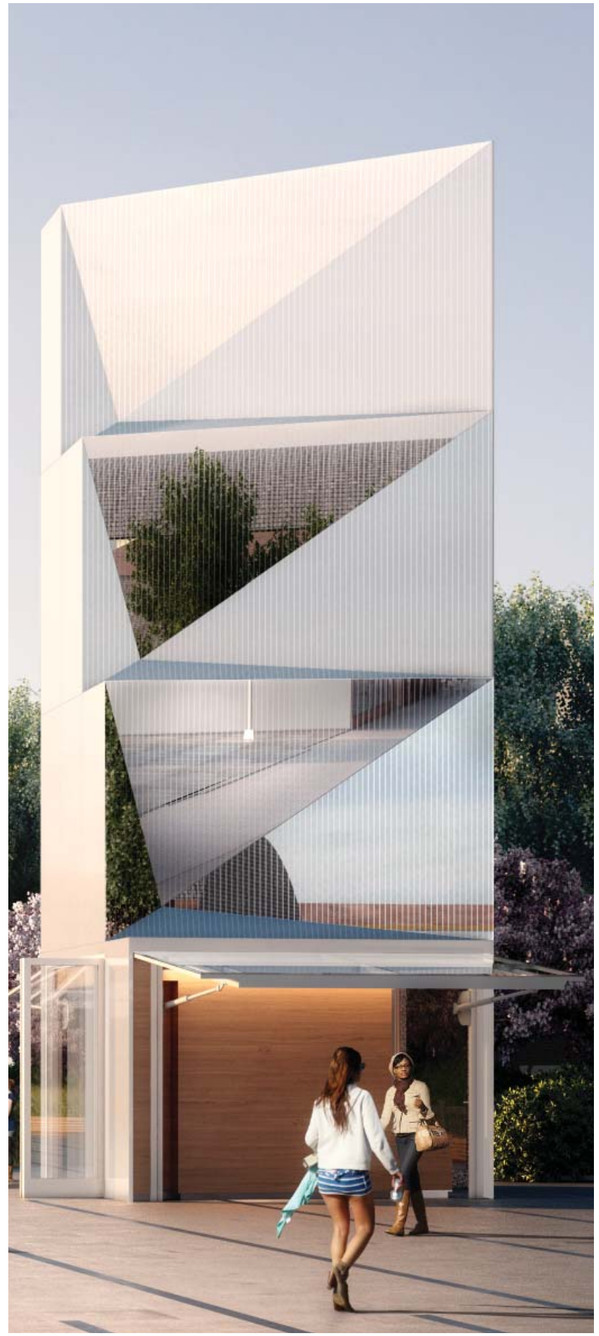
SPRING ST.



SENECA ST.



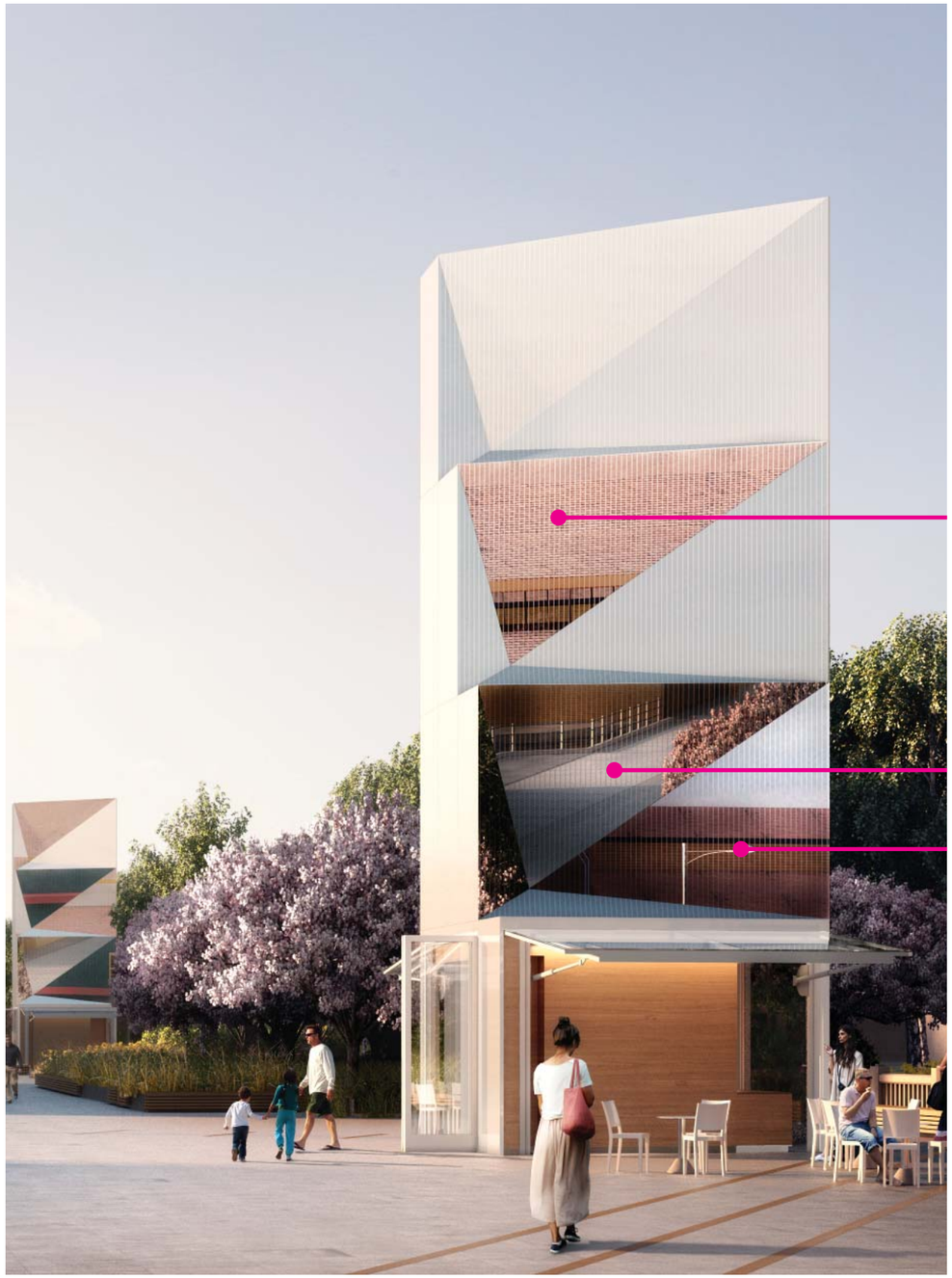
UNIVERSITY ST.



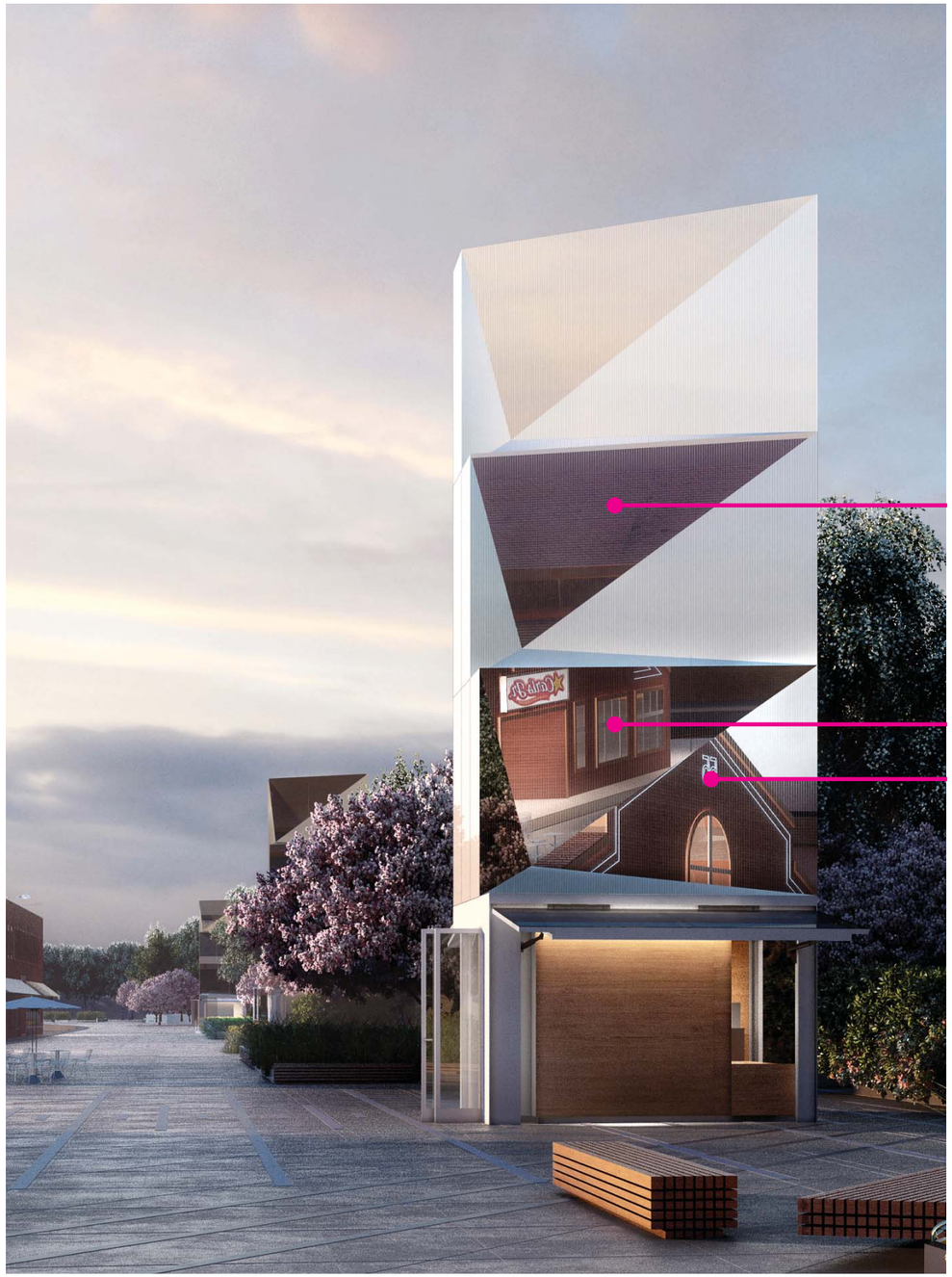
UNION ST.

SPRING ST.

SPRING ST.



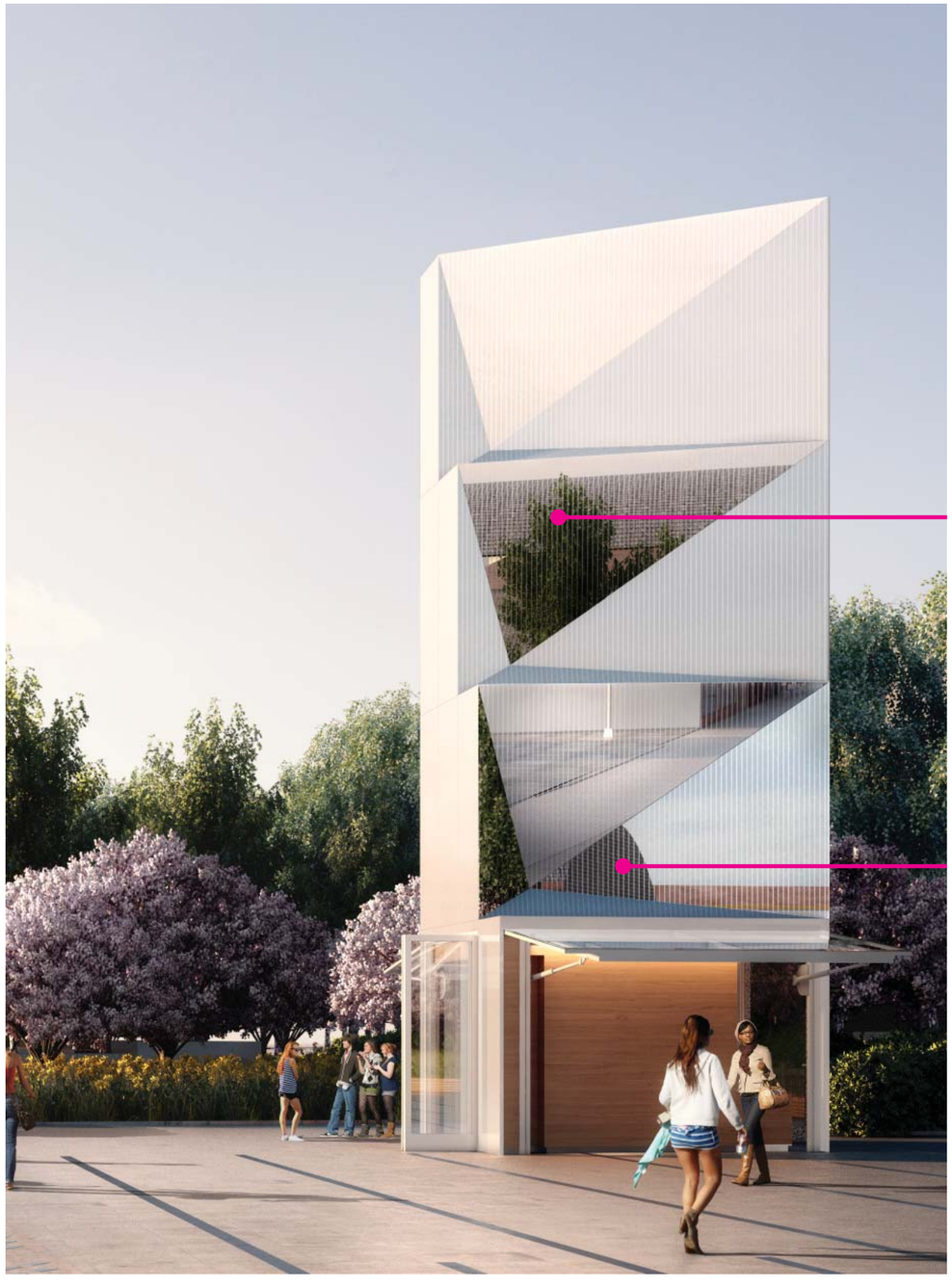
SENECA ST.



SENECA ST.

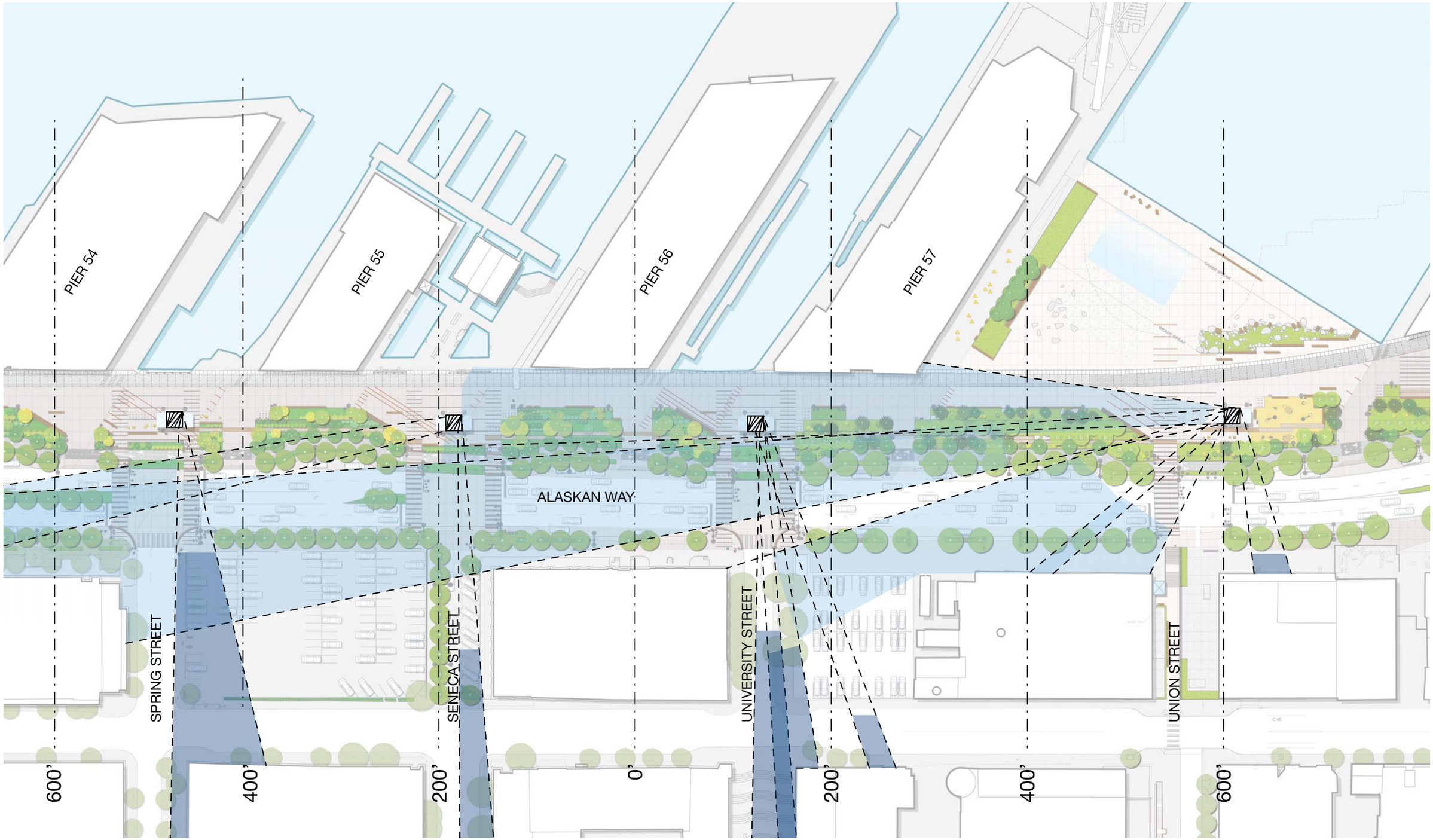
UNIVERSITY ST.

UNIVERSITY ST.

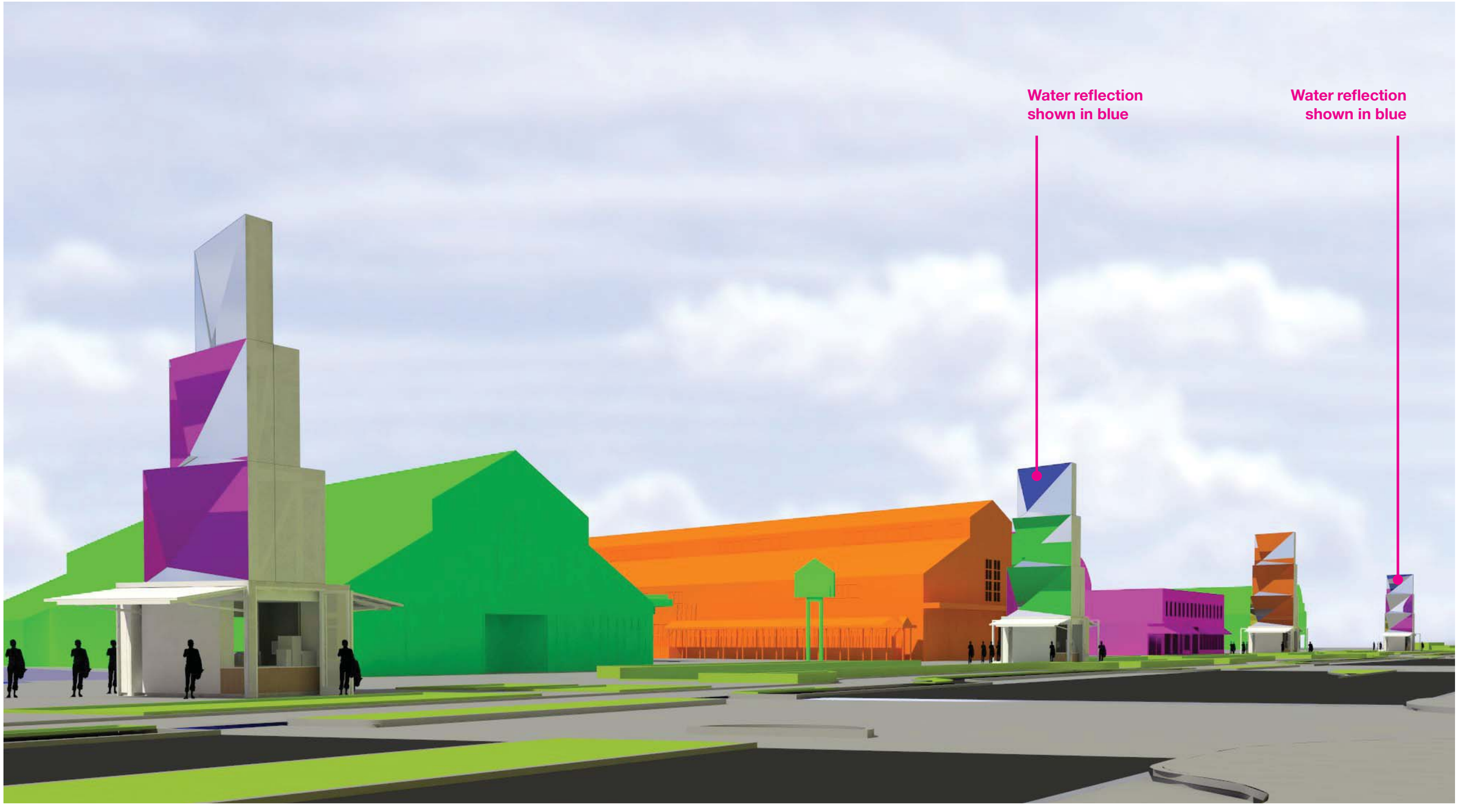


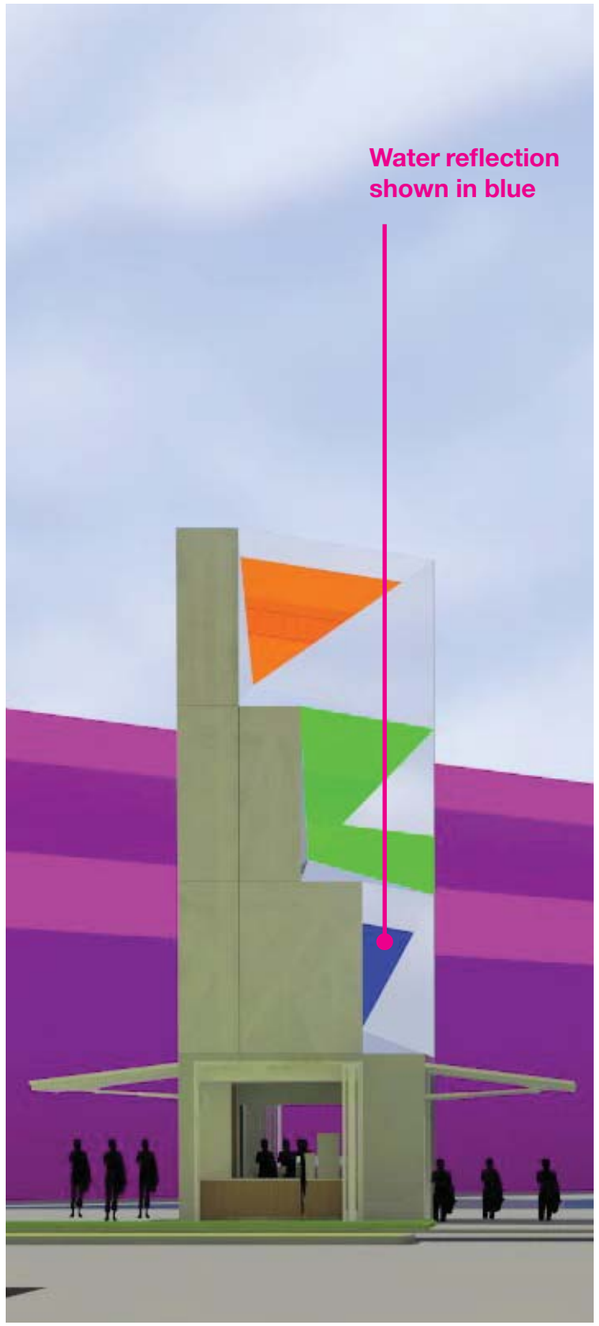
UNION ST.

UNION ST.


PIER 54
PIER 55
PIER 56
PIER 57
ALASKAN WAY
SPRING STREET
SENECA STREET
UNIVERSITY STREET
UNION STREET
600’
400’
200’
0’
200’
400’
600’

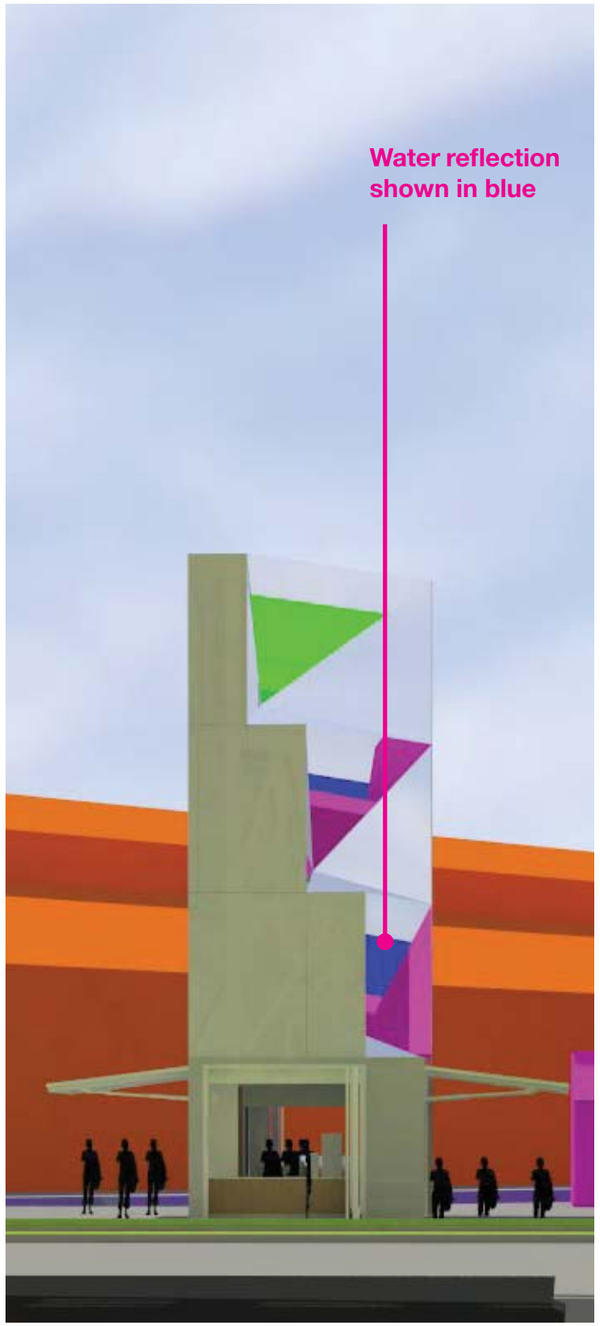

Water reflection
shown in blue


Water reflection
shown in blue
Water reflection
shown in blue

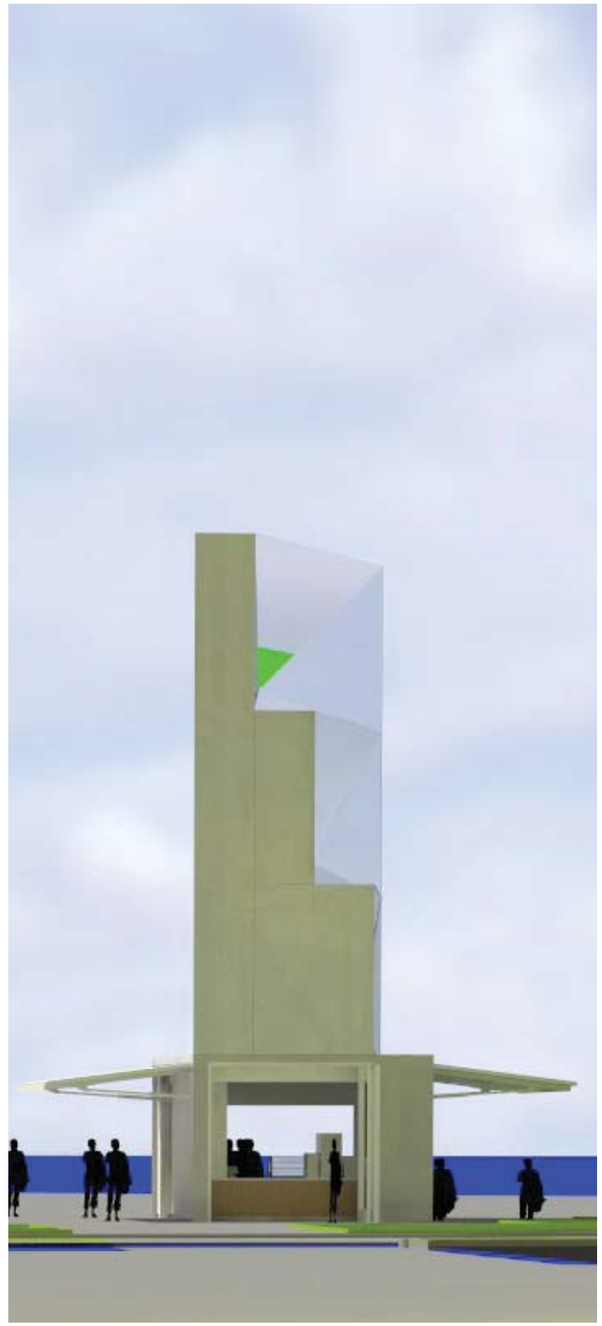


SPRING ST.

SENECA ST.



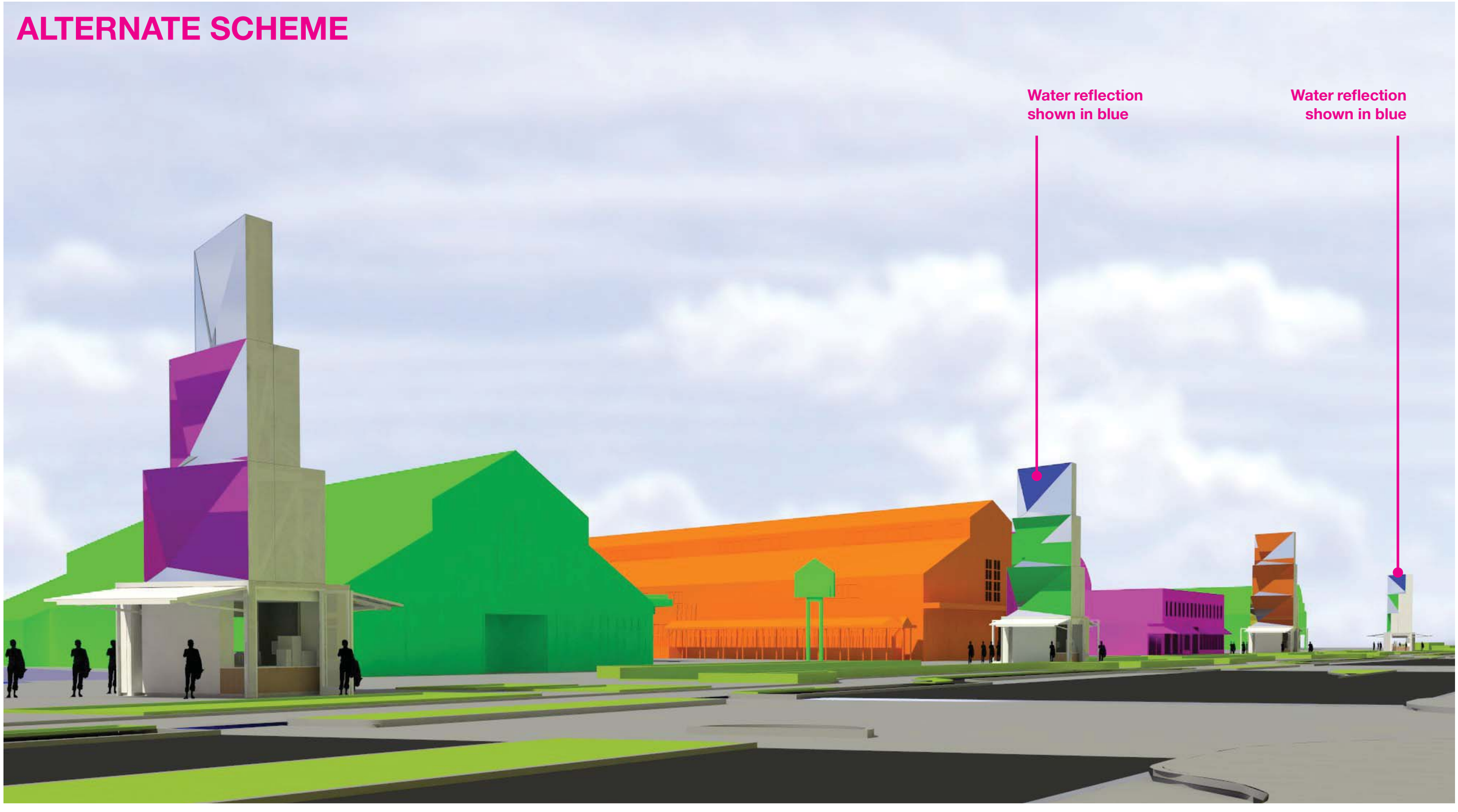
UNIVERSITY ST.



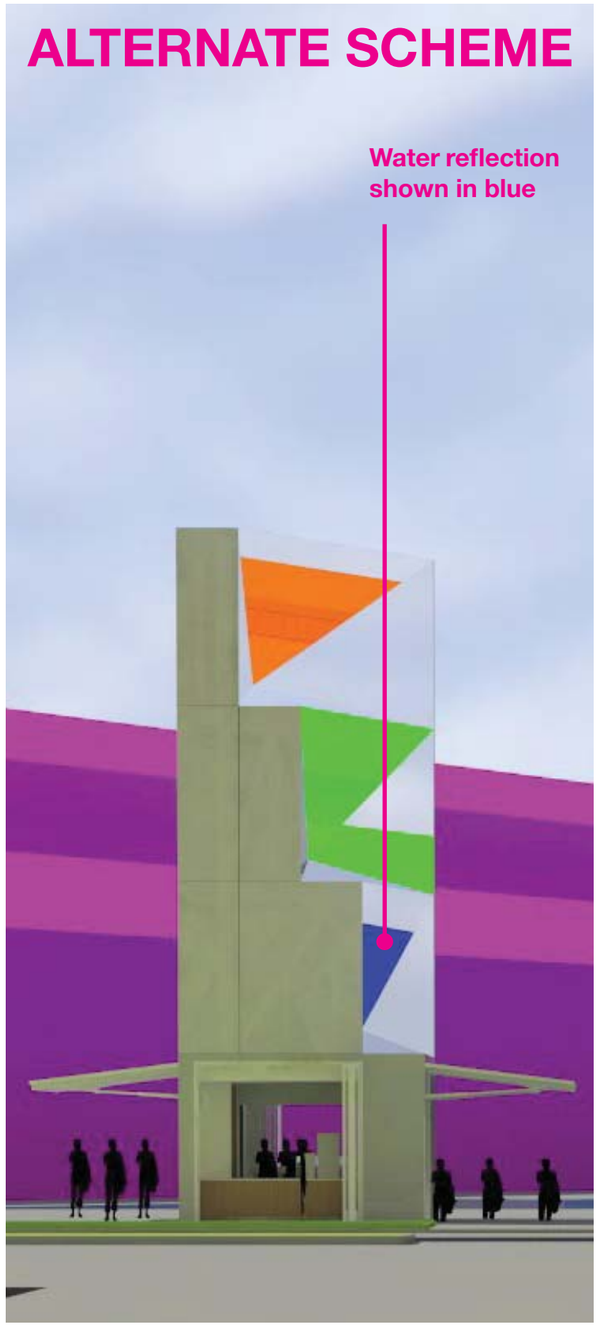
UNION ST.

ALTERNATE SCHEME

ALTERNATE SCHEME

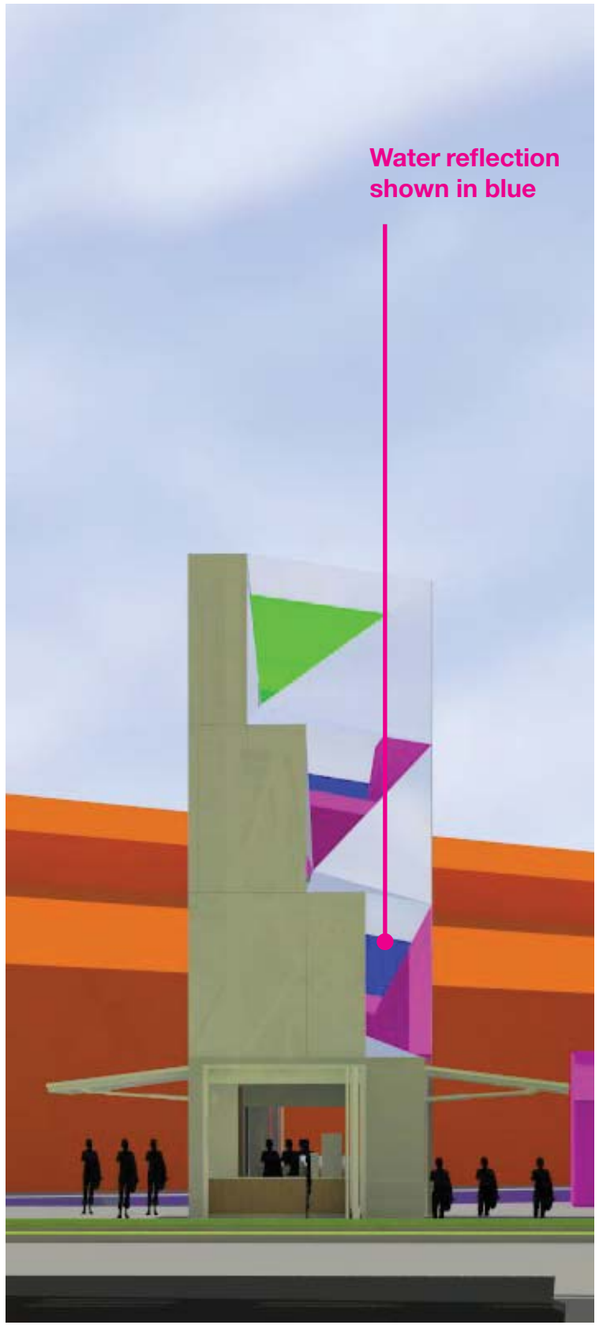


ALTERNATE SCHEME



SPRING ST.

SENECA ST.



UNIVERSITY ST.

UNION ST.


Ye Olde Curiosity Shop


Ye Olde Curiosity Shop


COFFEE
COFFEE


COFFEE
COFFEE
MENU

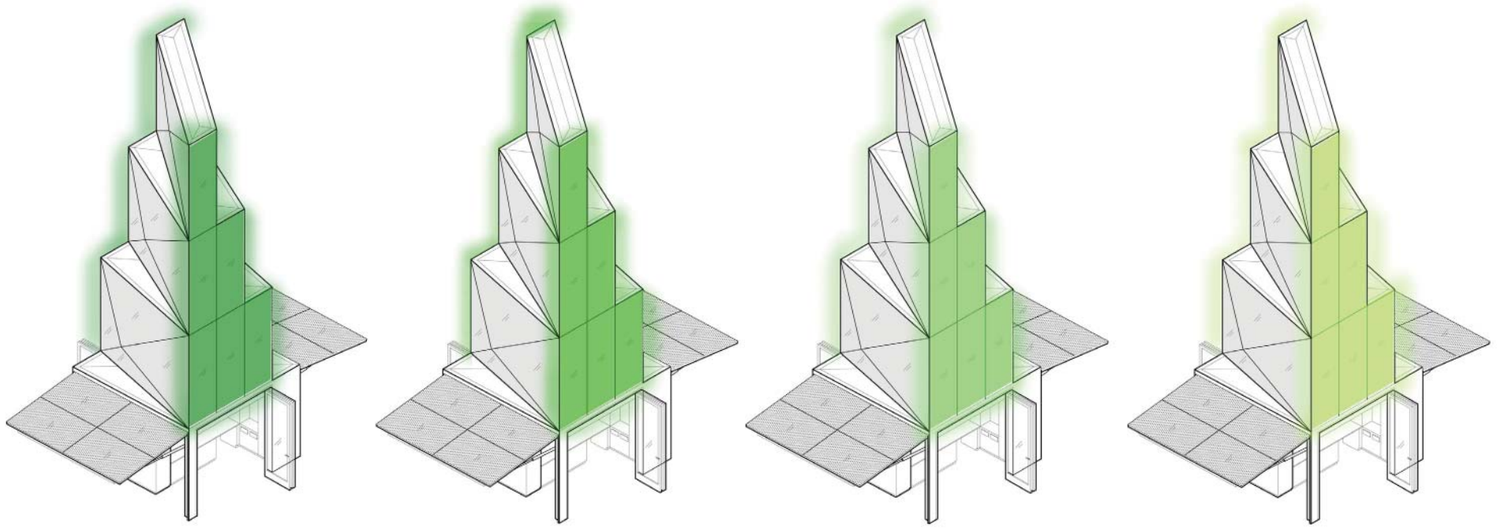

COFFEE
COFFEE
MENU

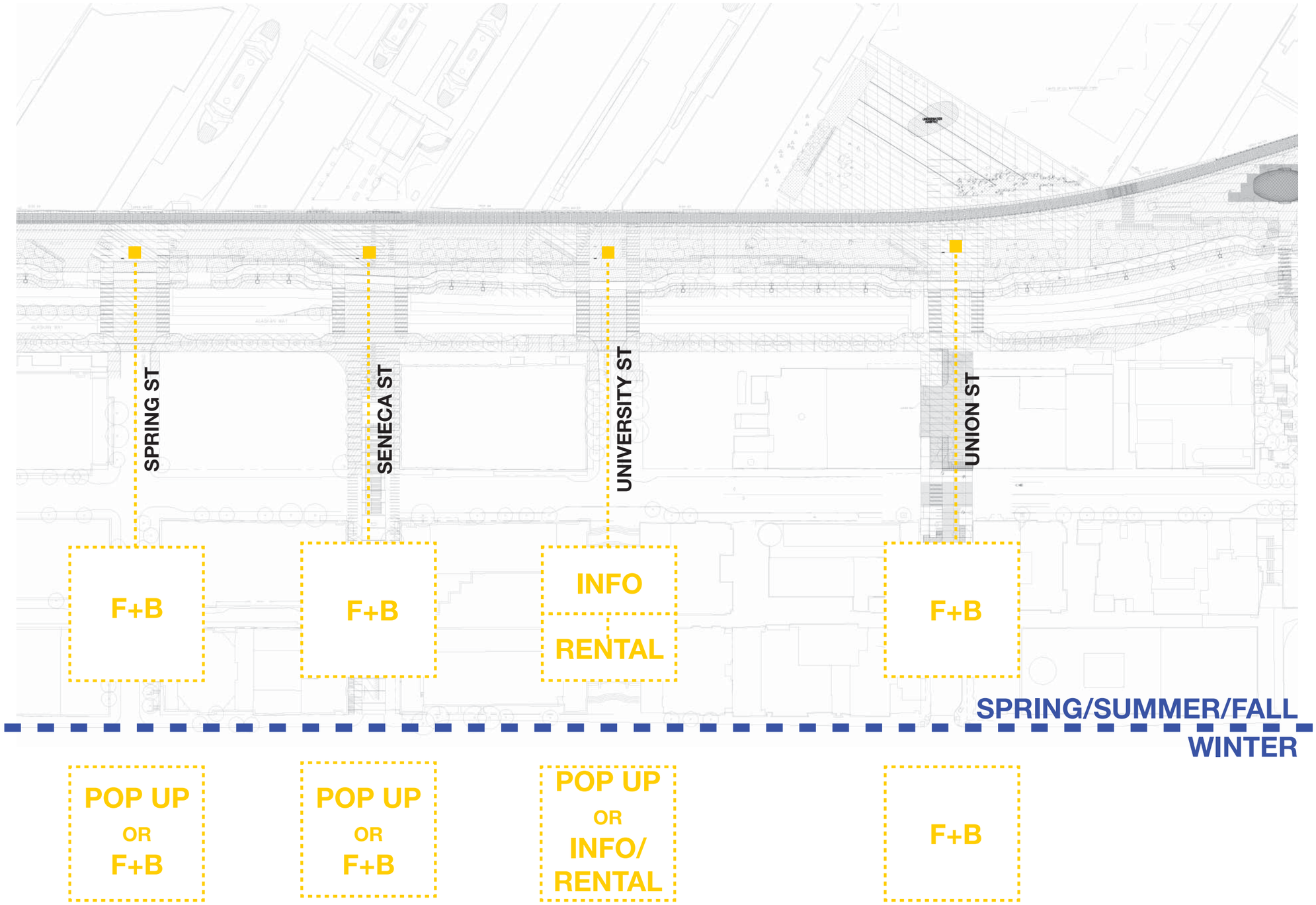

COFFEE
COFFEE
MENU

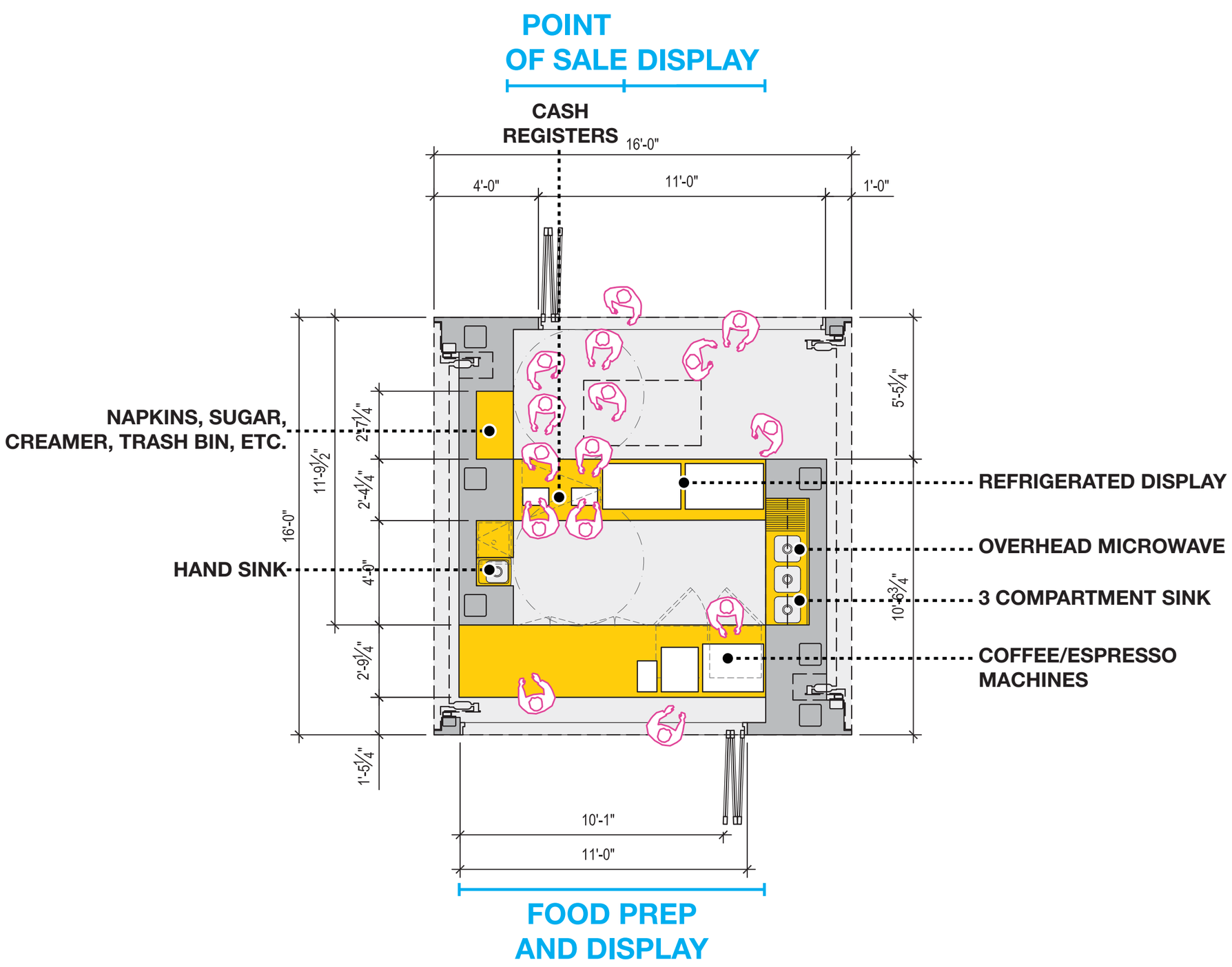
SPRING — UNION

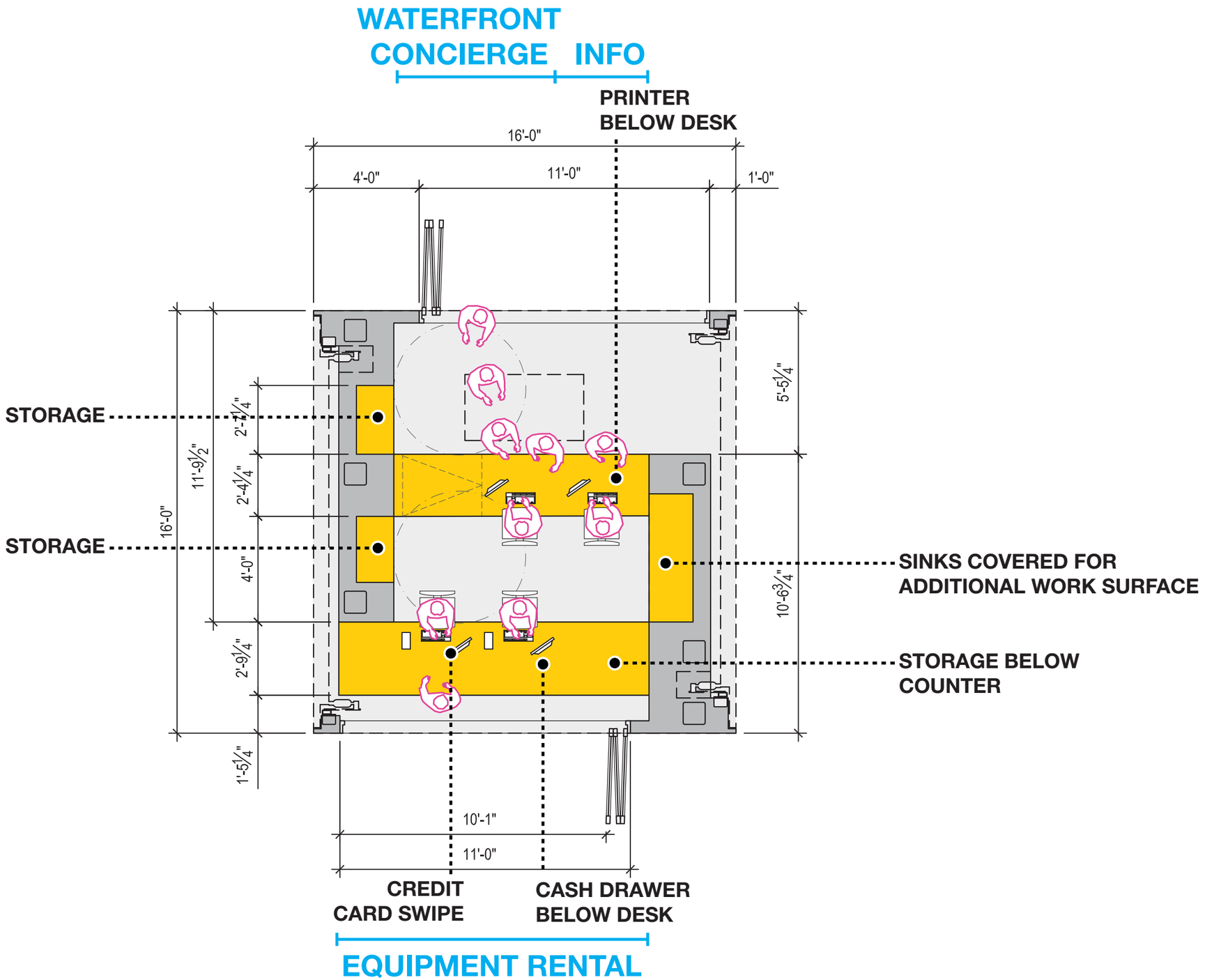
SINGLE COLOR GRADIENT ACROSS KIOSKS

Alternatively, the kiosks can be individually identified through the application of the same color, with differing values. This single color gradient approach unifies the structures visually, while providing differentiation via saturation and color value at each location.

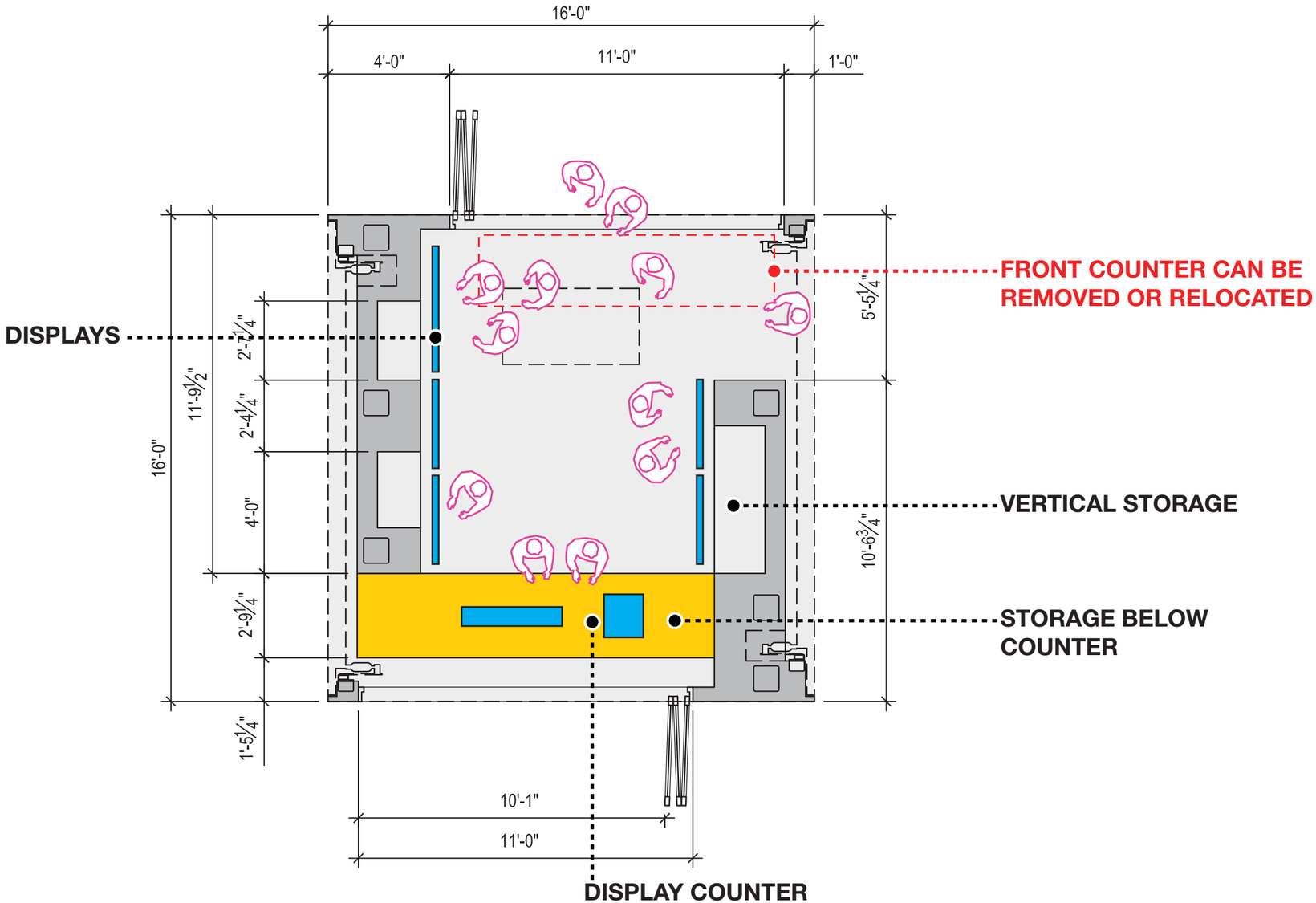



SPRING ST
SENECA ST
UNIVERSITY ST
UNION ST
F+B
F+B
INFO
RENTAL
F+B
SPRING/SUMMER/FALL
WINTER
POP UP
OR
F+B
POP UP
OR
F+B
POP UP
OR
INFO/
RENTAL
F+B


POINT
OF SALE DISPLAY
CASH
REGISTERS
16'-0"
4'-0"
11'-0"
1'-0"
5'-5¼"
NAPKINS, SUGAR,
CREAMER, TRASH BIN, ETC.
2'-7¼"
11'-9½"
2'-4¼"
16'-0"
REFRIGERATED DISPLAY
OVERHEAD MICROWAVE
HAND SINK
4'-0"
10'-3¾"
3 COMPARTMENT SINK
2'-9¼"
COFFEE/ESPRESSO
MACHINES
1'-5¼"
10'-1"
11'-0"
FOOD PREP
AND DISPLAY

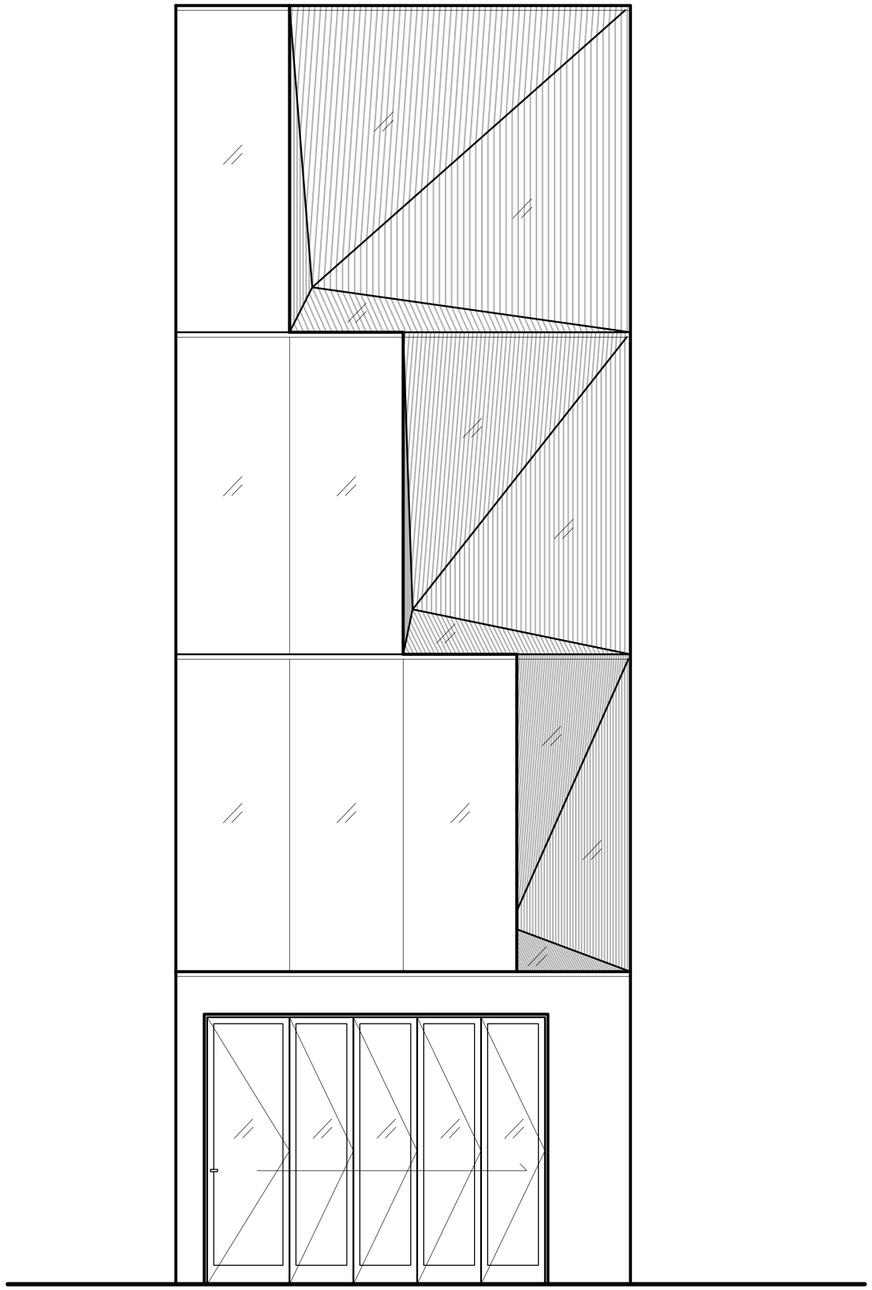

WATERFRONT
CONCIERGE INFO
PRINTER
BELOW DESK
16'-0"
4'-0"
11'-0"
1'-0"
STORAGE
STORAGE
2'-1¼"
2'-4¼"
4'-0"
2'-9¼"
1'-5¼"
11'-9½"
16'-0"
5'-5¼"
10'-6¾"
SINKS COVERED FOR
ADDITIONAL WORK SURFACE
STORAGE BELOW
COUNTER
10'-1"
11'-0"
CREDIT
CARD SWIPE
CASH DRAWER
BELOW DESK
EQUIPMENT RENTAL

OPEN ENTRANCE

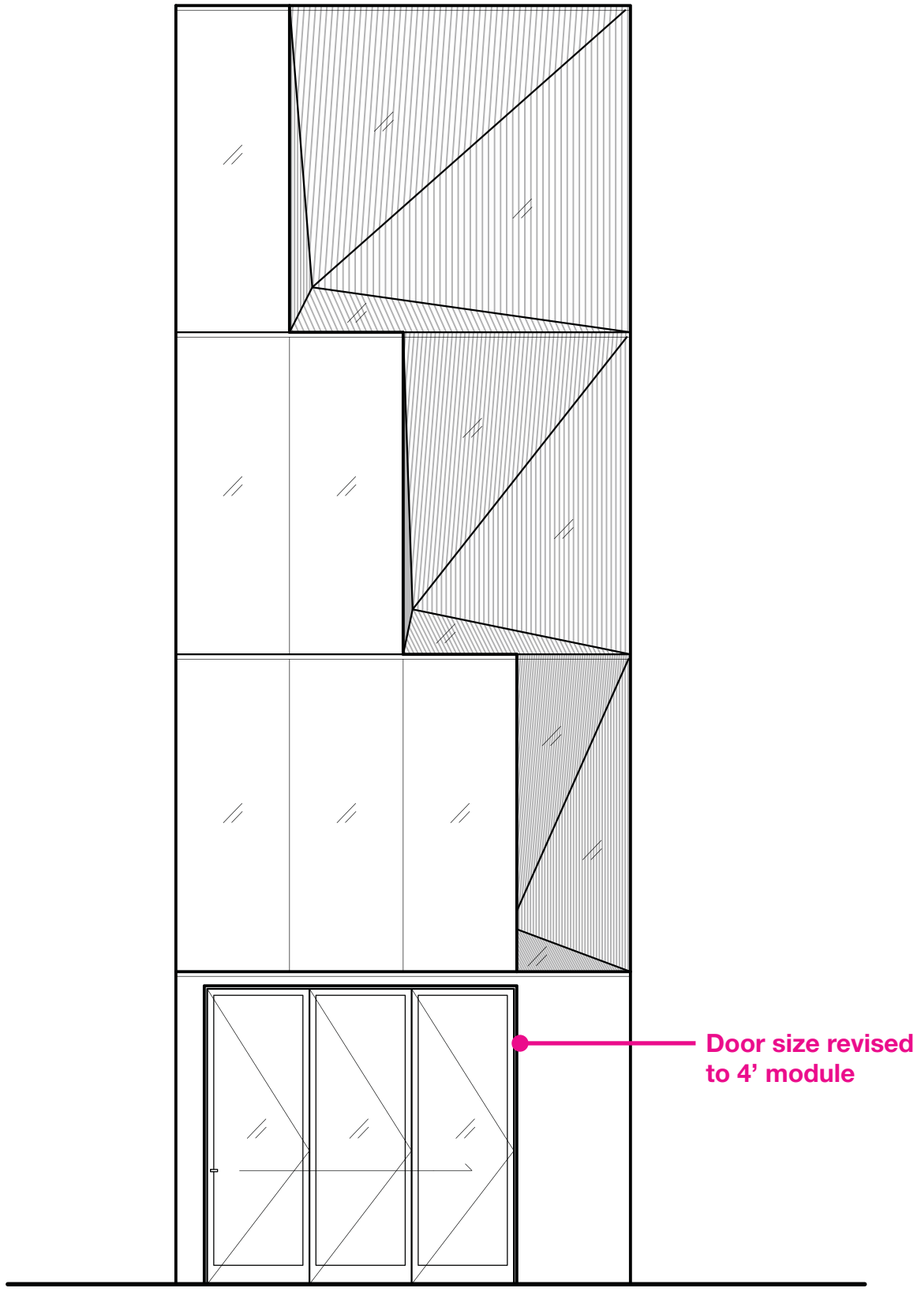


DISPLAY/SERVICE

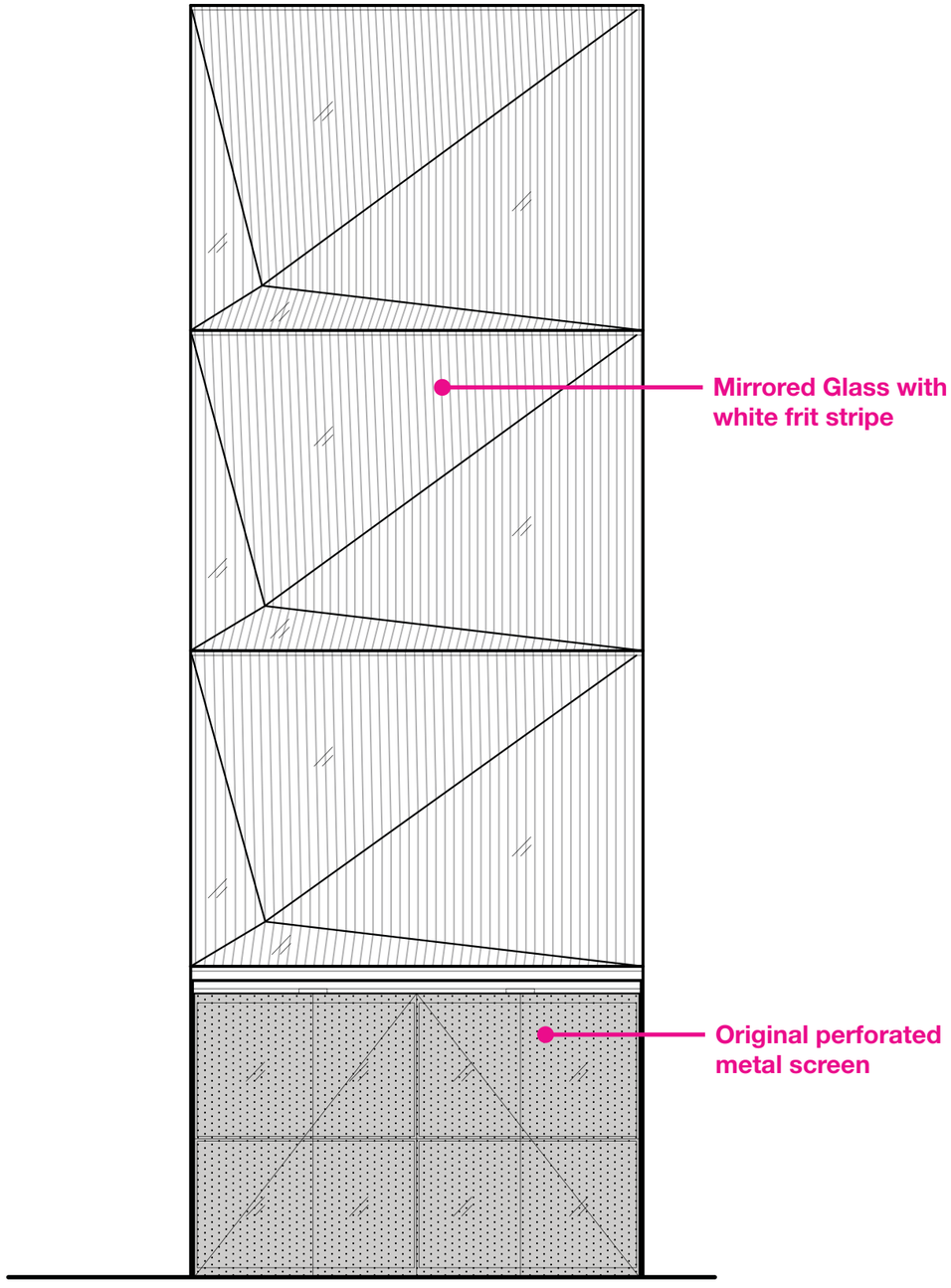
3. FUNCTIONALITY AND UNIFICATION



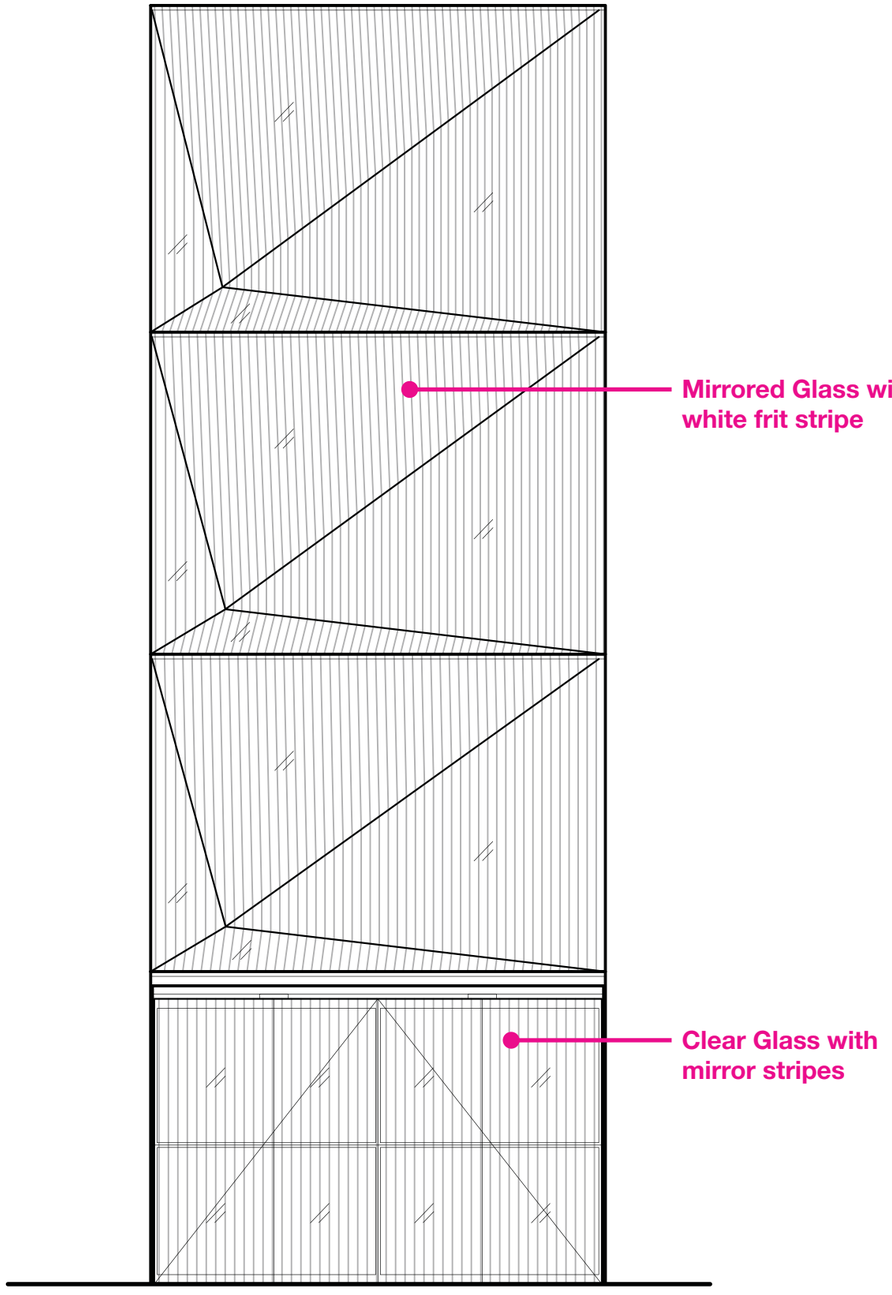
30% DESIGN SUBMISSION



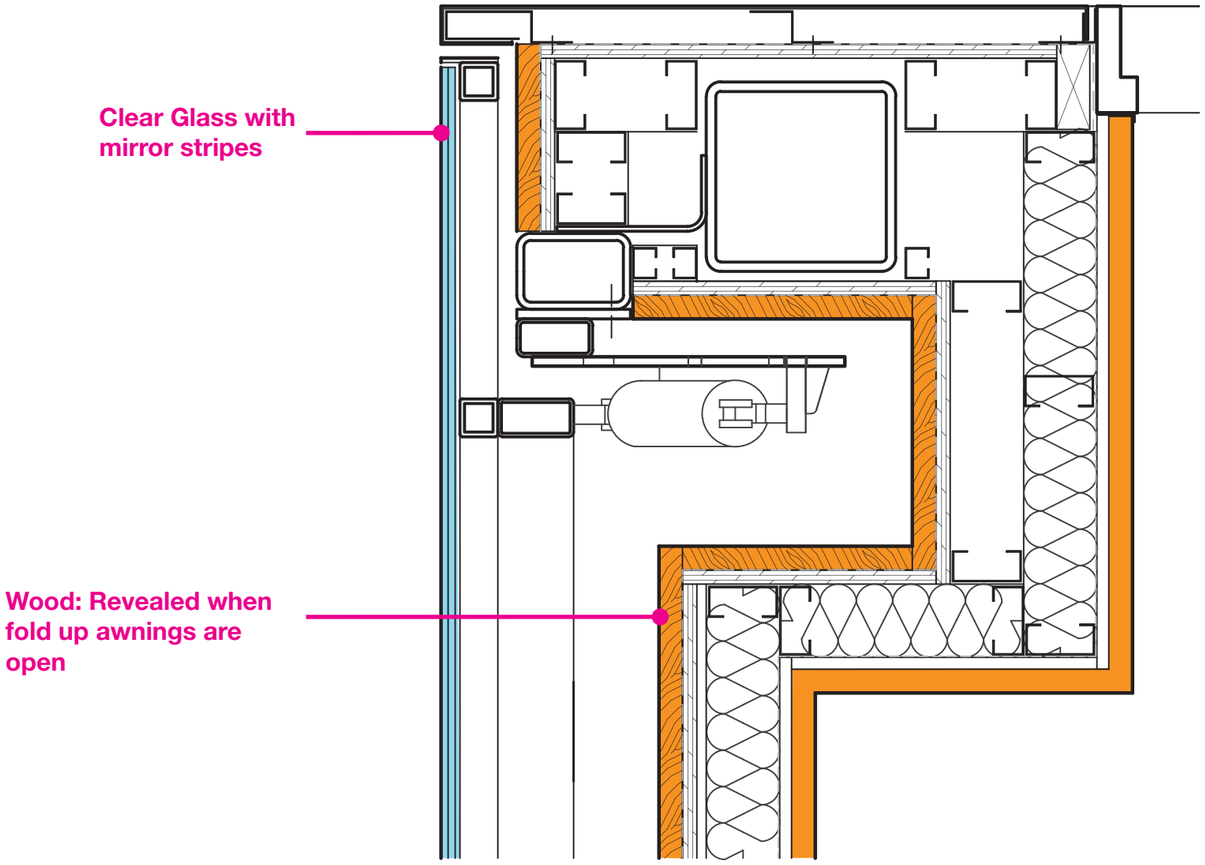
CURRENT



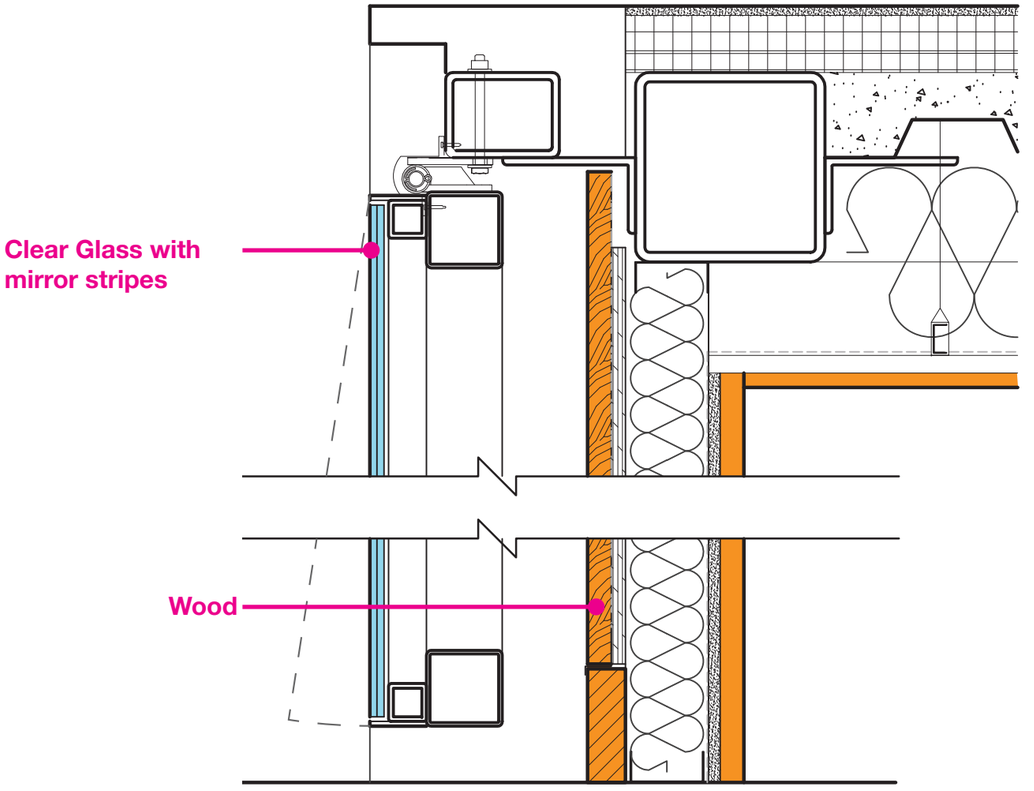
30% DESIGN SUBMISSION



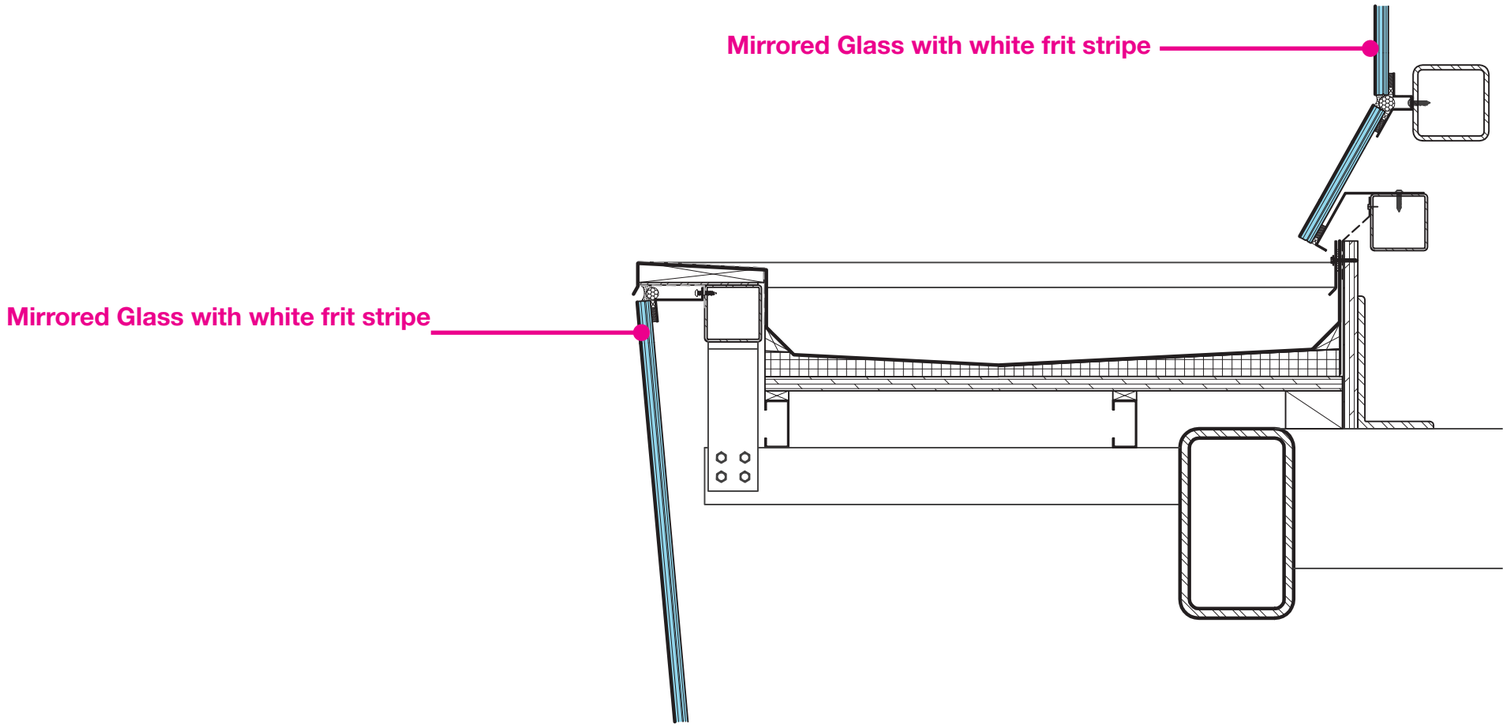
CURRENT



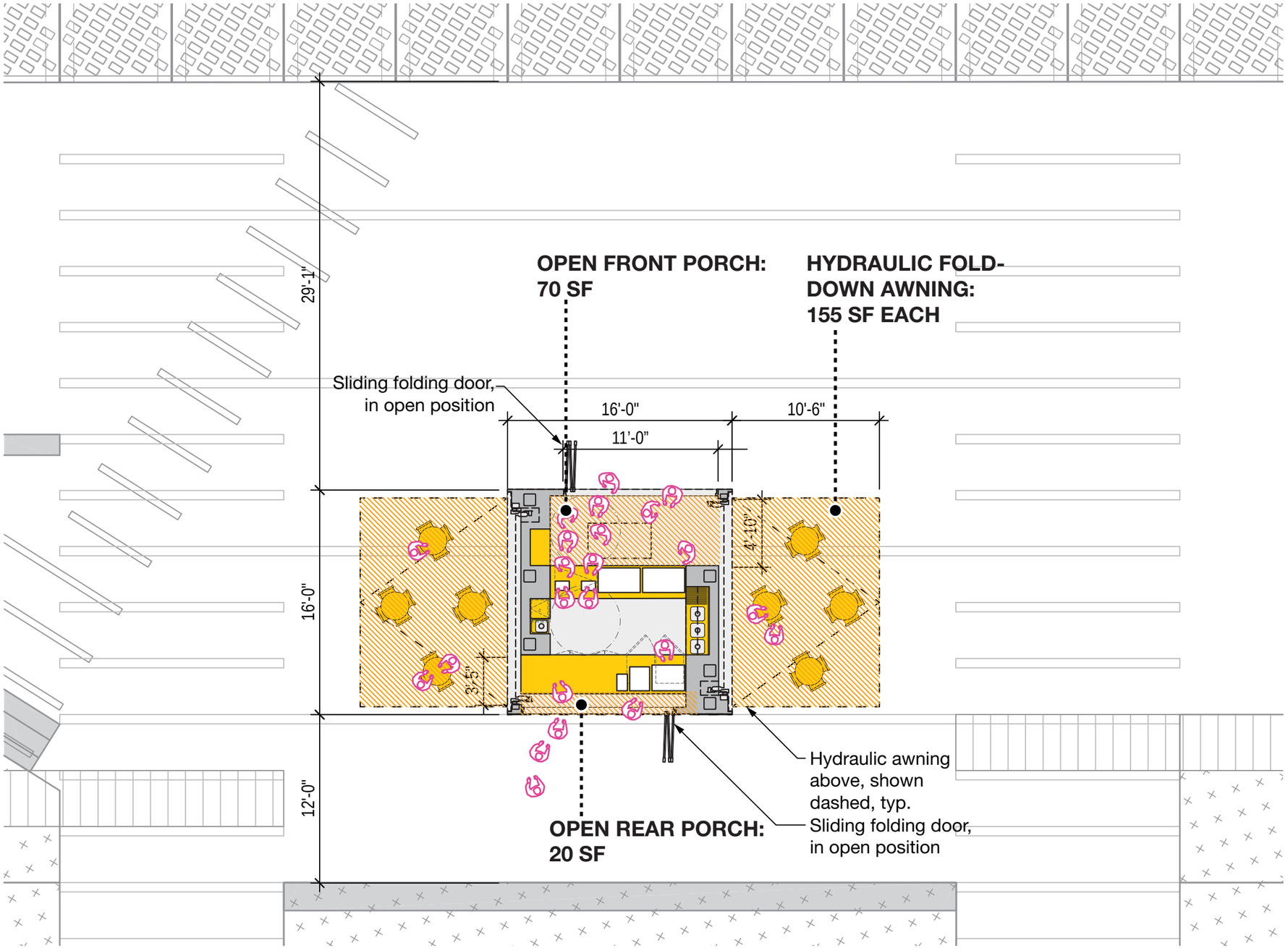
FOLD UP AWNING PLAN DETAIL

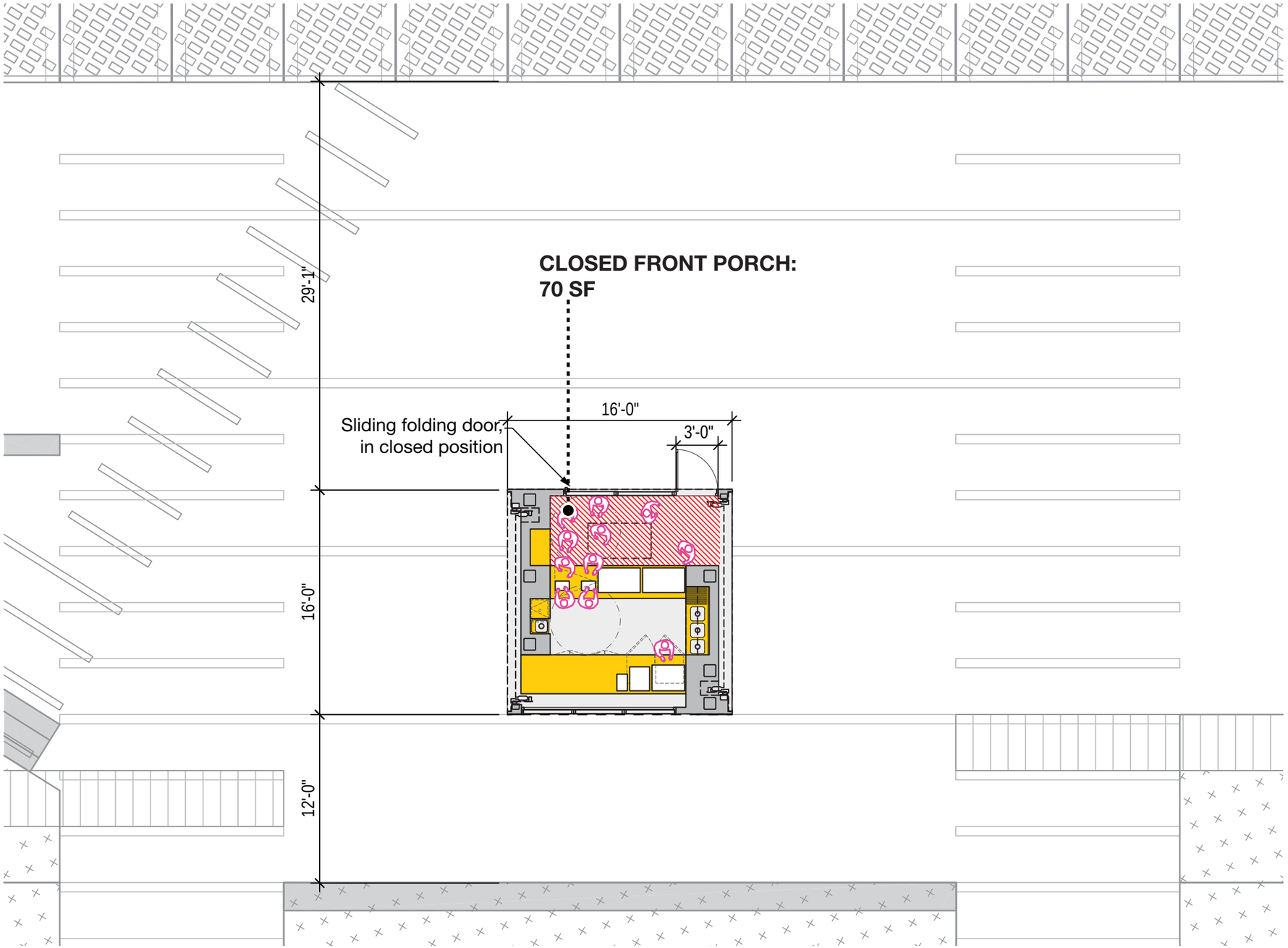


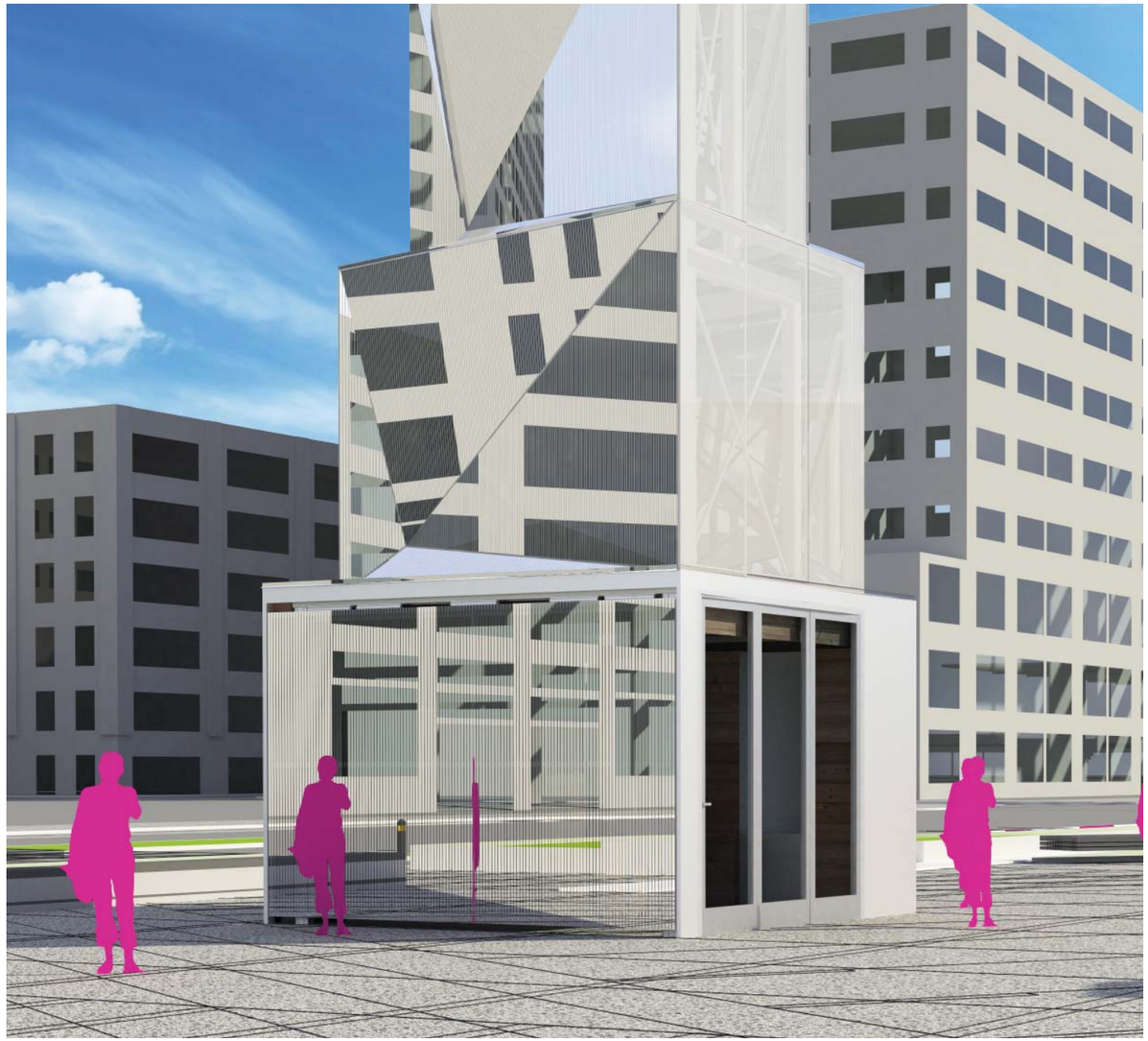
FOLD UP AWNING SECTION DETAIL

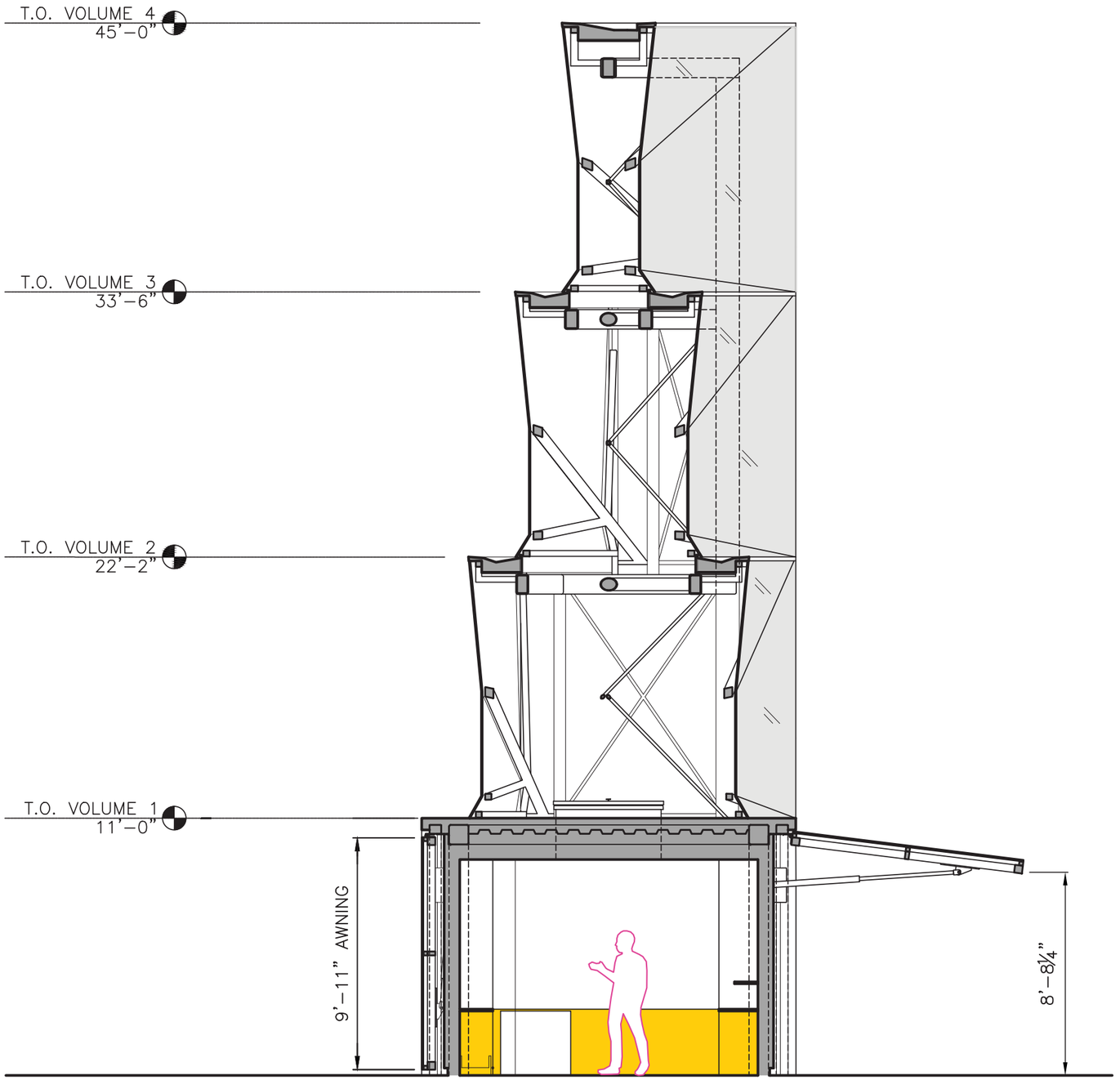


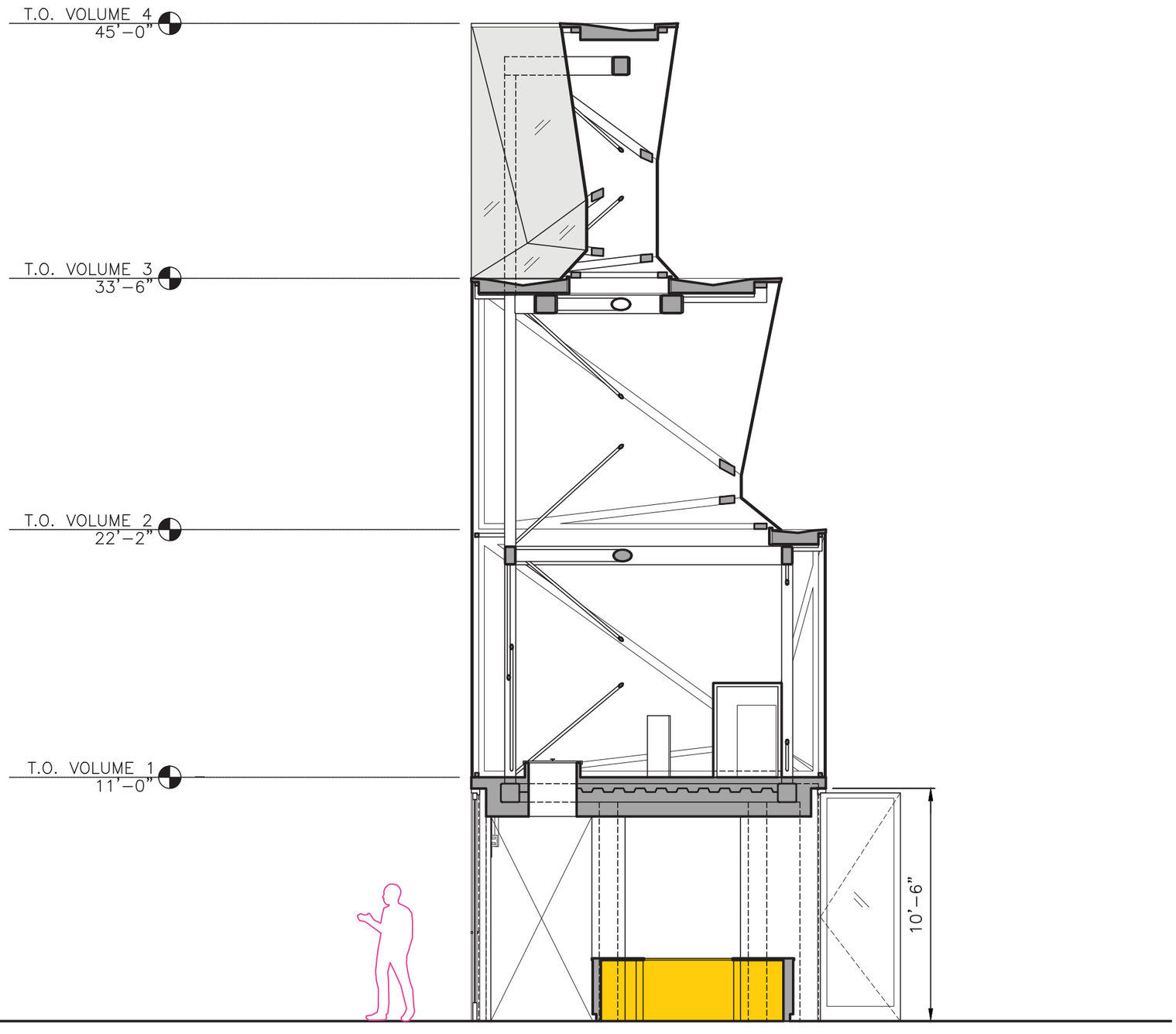
TYPICAL ROOF LEDGE: SECTION


OPEN FRONT PORCH:
70 SF
HYDRAULIC FOLD-
DOWN AWNING:
155 SF EACH
Sliding folding door,
in open position
16'-0"
10'-6"
11'-0"
29'-1"
16'-0"
12'-0"
4'-10"
3'-5"
OPEN REAR PORCH:
20 SF
Hydraulic awning
above, shown
dashed, typ.
Sliding folding door,
in open position


CLOSED FRONT PORCH:
70 SF
Sliding folding door,
in closed position
16'-0"
3'-0"
29'-1"
16'-0"
12'-0"



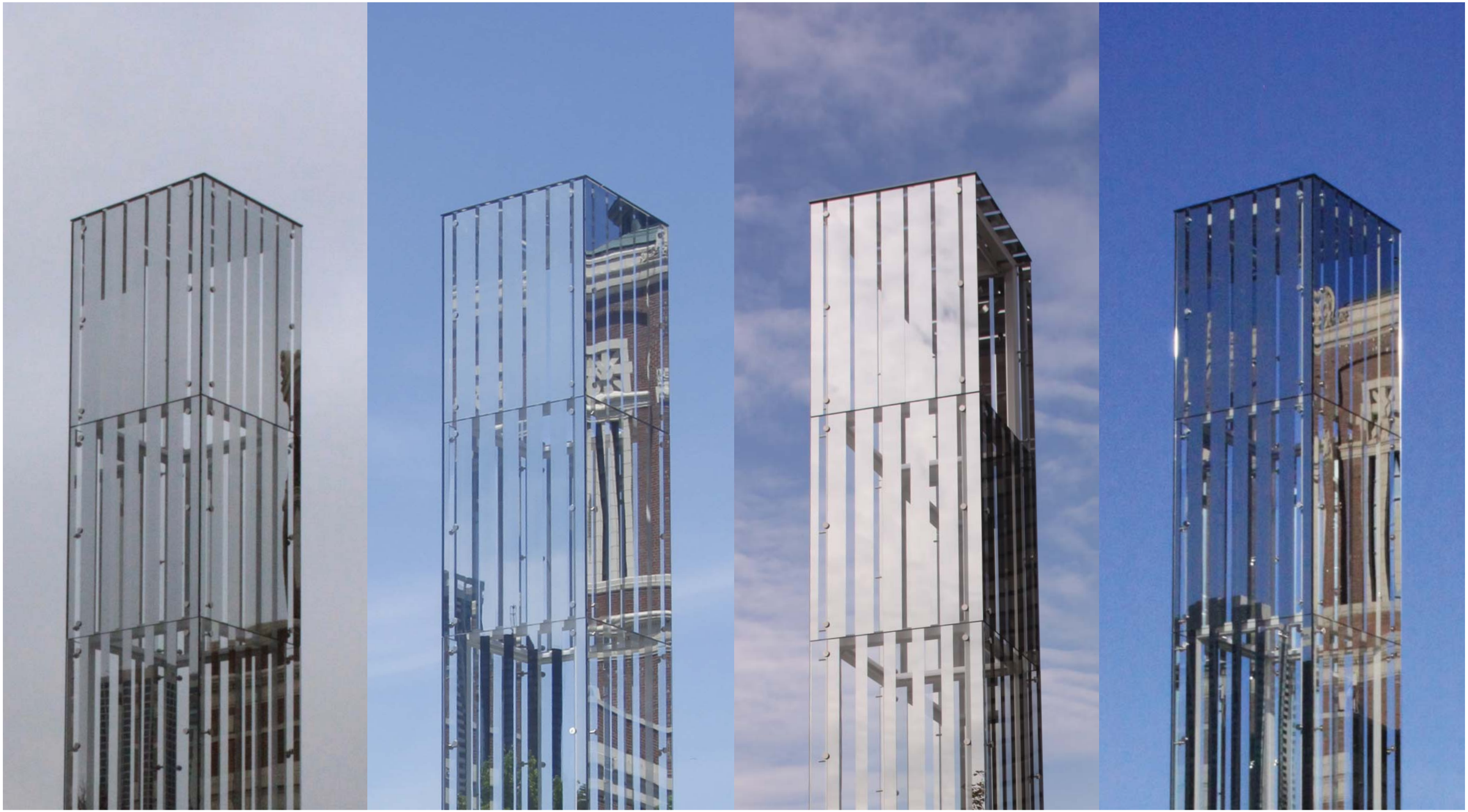

T.O. VOLUME 4
45’–0”
T.O. VOLUME 3
33’–6”
T.O. VOLUME 2
22’–2”
T.O. VOLUME 1
11’–0”
9’–11” AWNING
8’–8¼”


T.O. VOLUME 4
45’–0”
T.O. VOLUME 3
33’–6”
T.O. VOLUME 2
22’–2”
T.O. VOLUME 1
11’–0”
10’–6”

4. MATERIALS

Mirrored glass with white frit stripe

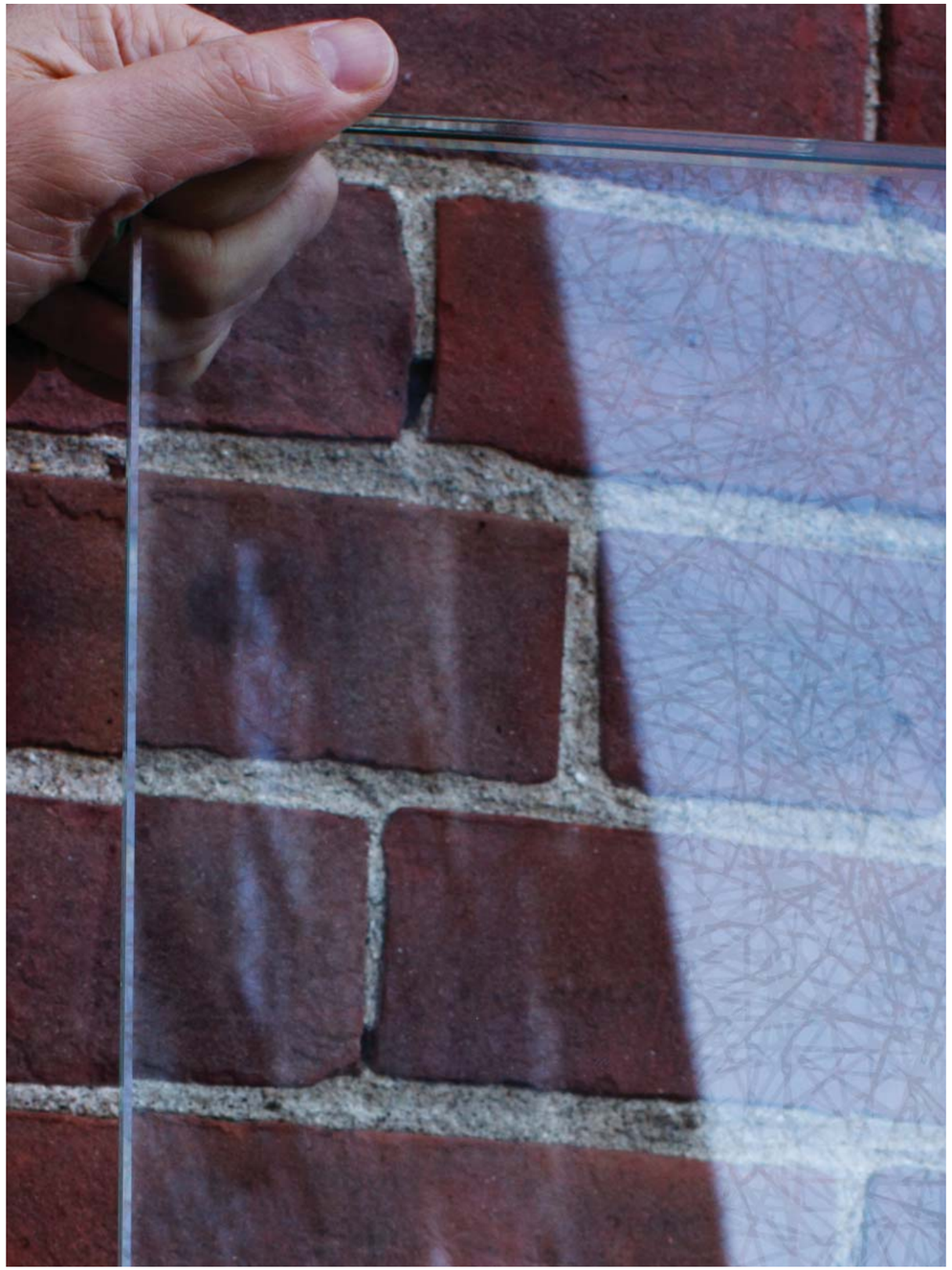
Translucent White Interlayer



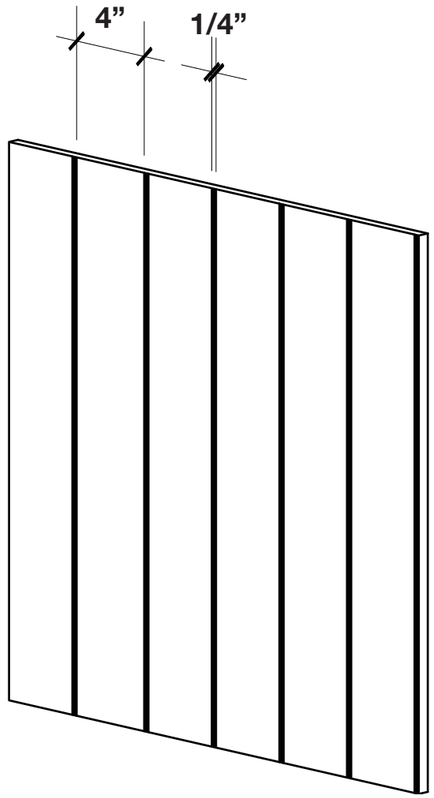
WEATHERED YELLOW CEDAR
Lead Time: Varies, Native to Pacific Northwest
Material Cost: $8/sf
Product 1”x6” Tongue and Groove
Key Features:
- -Hardest known cedar
- -Highly resistant to weather and insects
- -Used in marine applications
- -Locally sourced
- -Can be stained or pre-weathered

RECLAIMED
Feasibility to be further evaluated

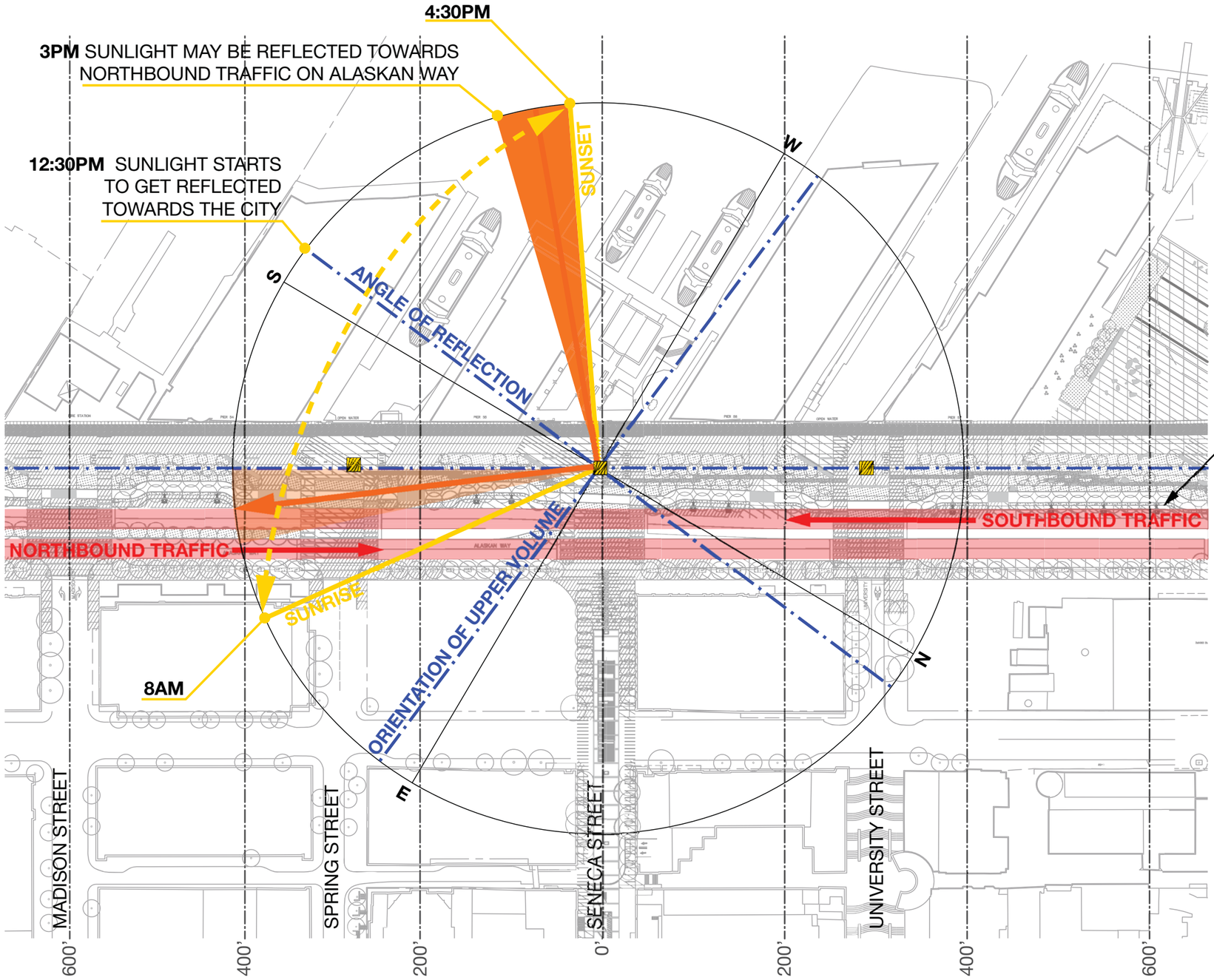
5. TECHNICAL ISSUES



Ornilux UV coating is invisible to humans but visible to birds

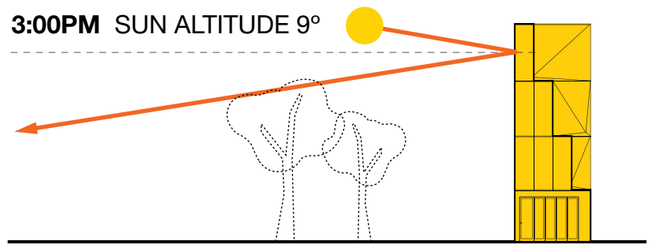


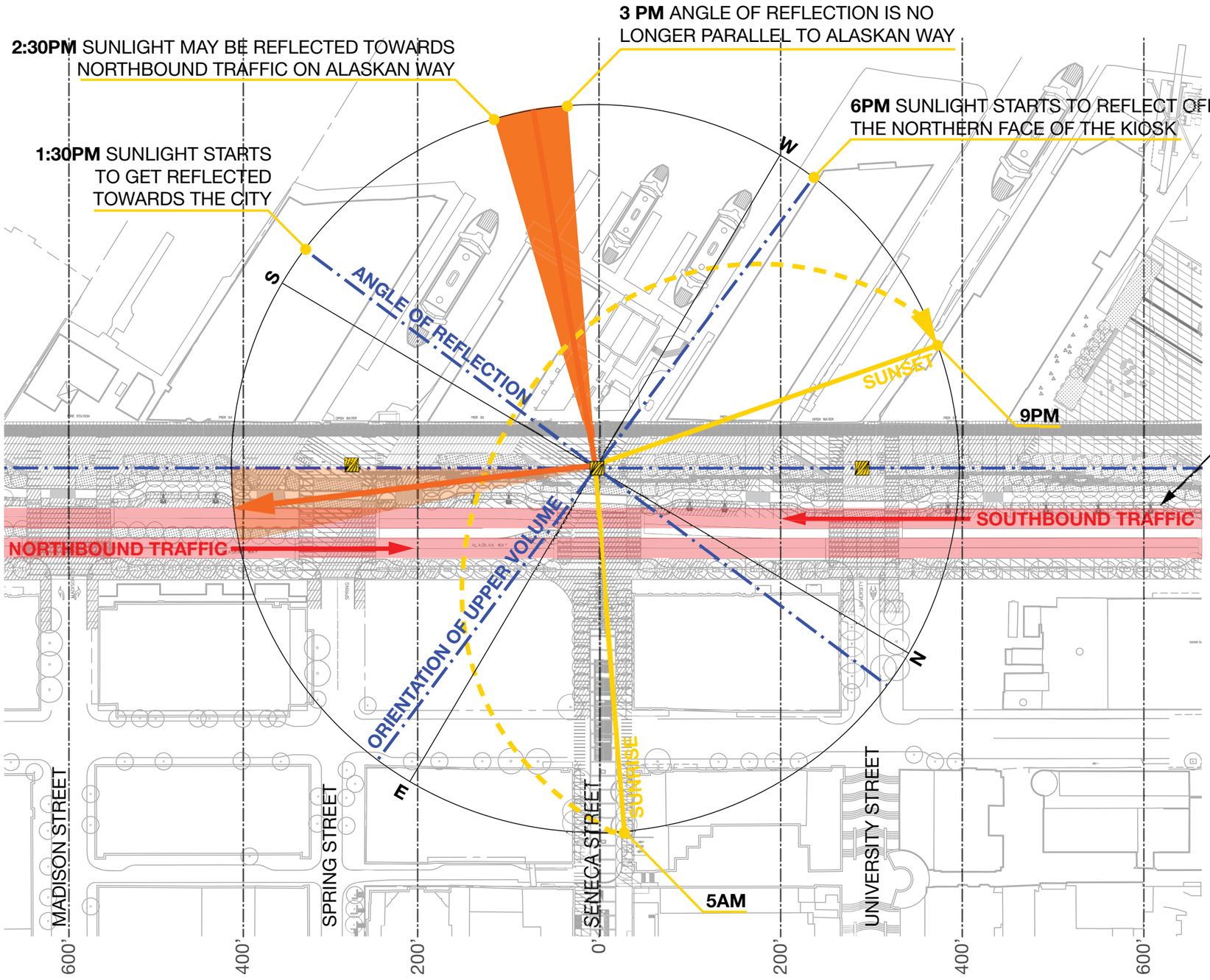
San Francisco Planning Department - Standards for Bird Safe Buildings:
-1/4” wide strips @ 4” spacing qualify as bird-safe



CONCLUSION:
During the winter, sunlight can be reflected towards northbound traffic between 3pm and 4:30pm. However, at that time, the sun is very low on the horizon and most likely will be blocked by topography, buildings or clouds - risk of glare will be minimal.

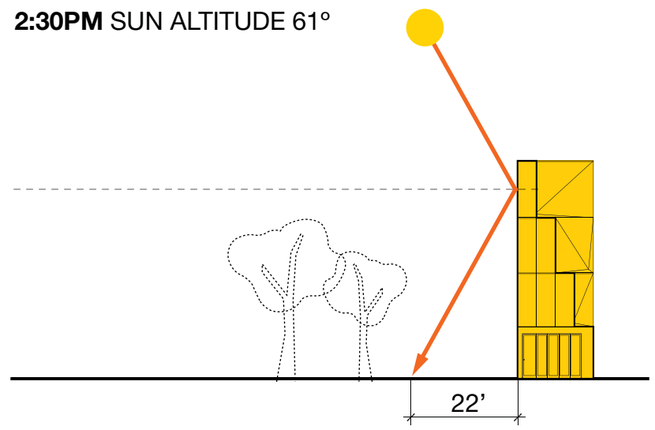
SUNLIGHT WILL NEVER REFLECT INTO SOUTHBOUND TRAFFIC

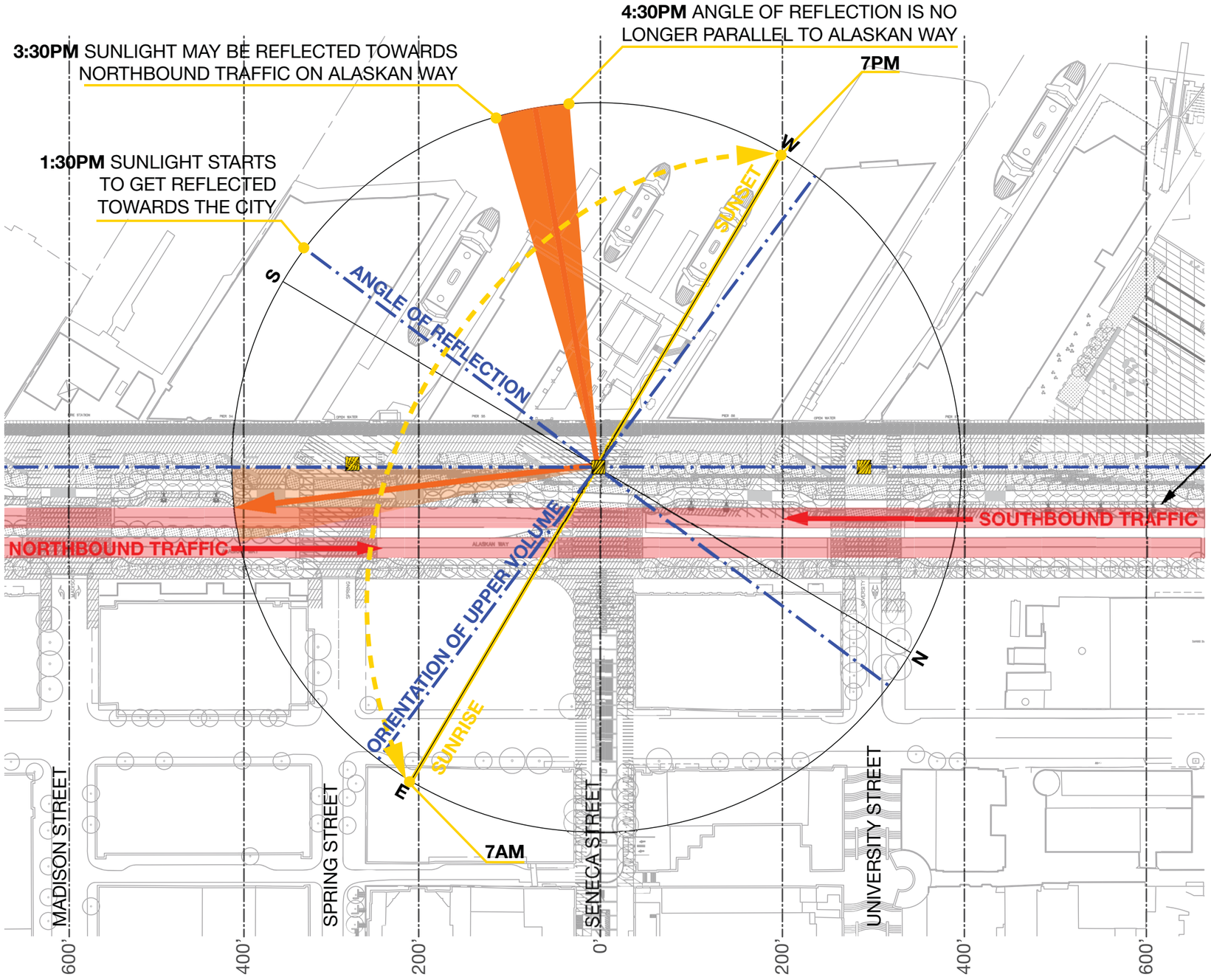




CONCLUSION:
During the summer, sunlight can be reflected towards northbound traffic between 2:30pm and 3pm. However, at that time, the sun is high and the reflected light will shine down at an angle almost perpendicular to the ground - risk of glare is minimal.

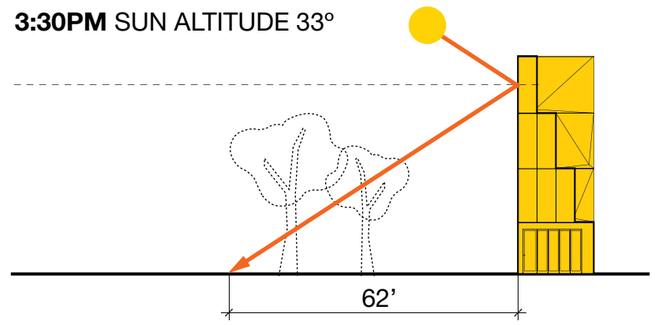
SUNLIGHT WILL NEVER REFLECT INTO SOUTHBOUND TRAFFIC

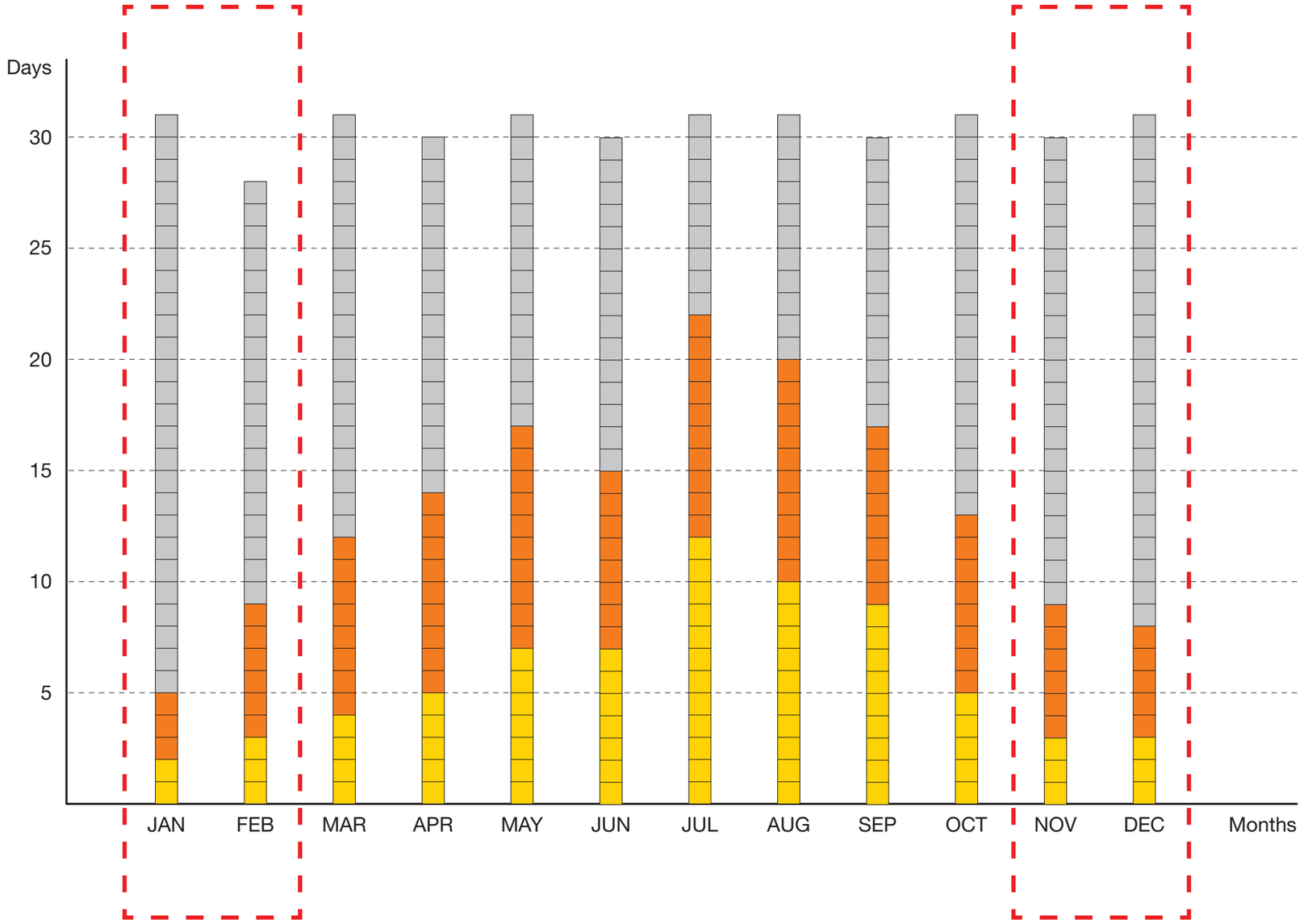




CONCLUSION:
During the fall and spring, sunlight can be reflected towards northbound traffic between 3:30pm and 4:30pm. However, at that time, the sun is high and the reflected light will shine down at an angle of 33º from the ground. Northbound traffic may be affected by the reflected light when within 60’ of the kiosk. At this distance, trees will block most of the light.

SUNLIGHT WILL NEVER REFLECT INTO SOUTHBOUND TRAFFIC





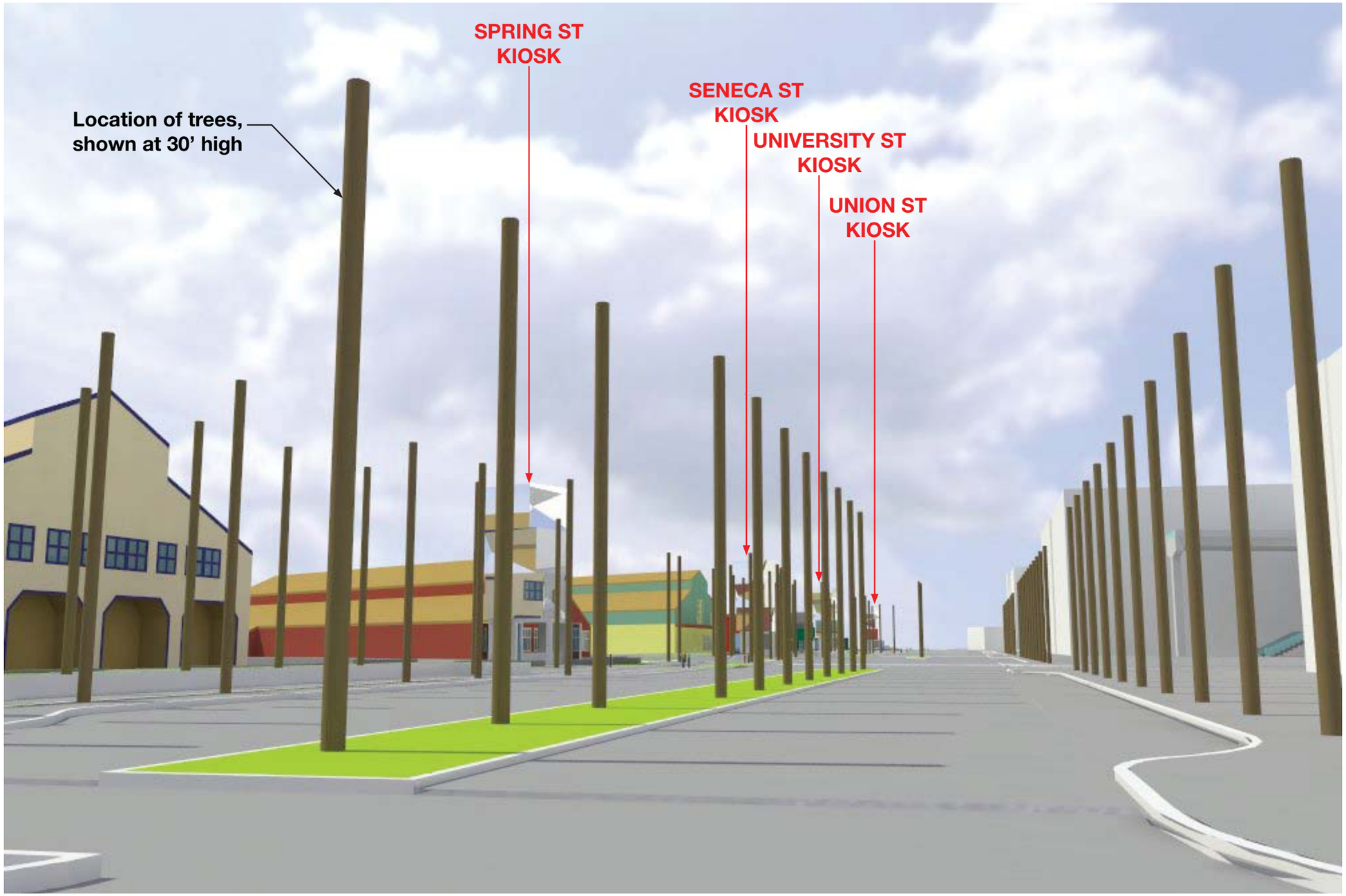
Sunny day: max 30% cloud covering during daylight hours

Partly sunny day: 30% to 70% cloud covering during daylight hours

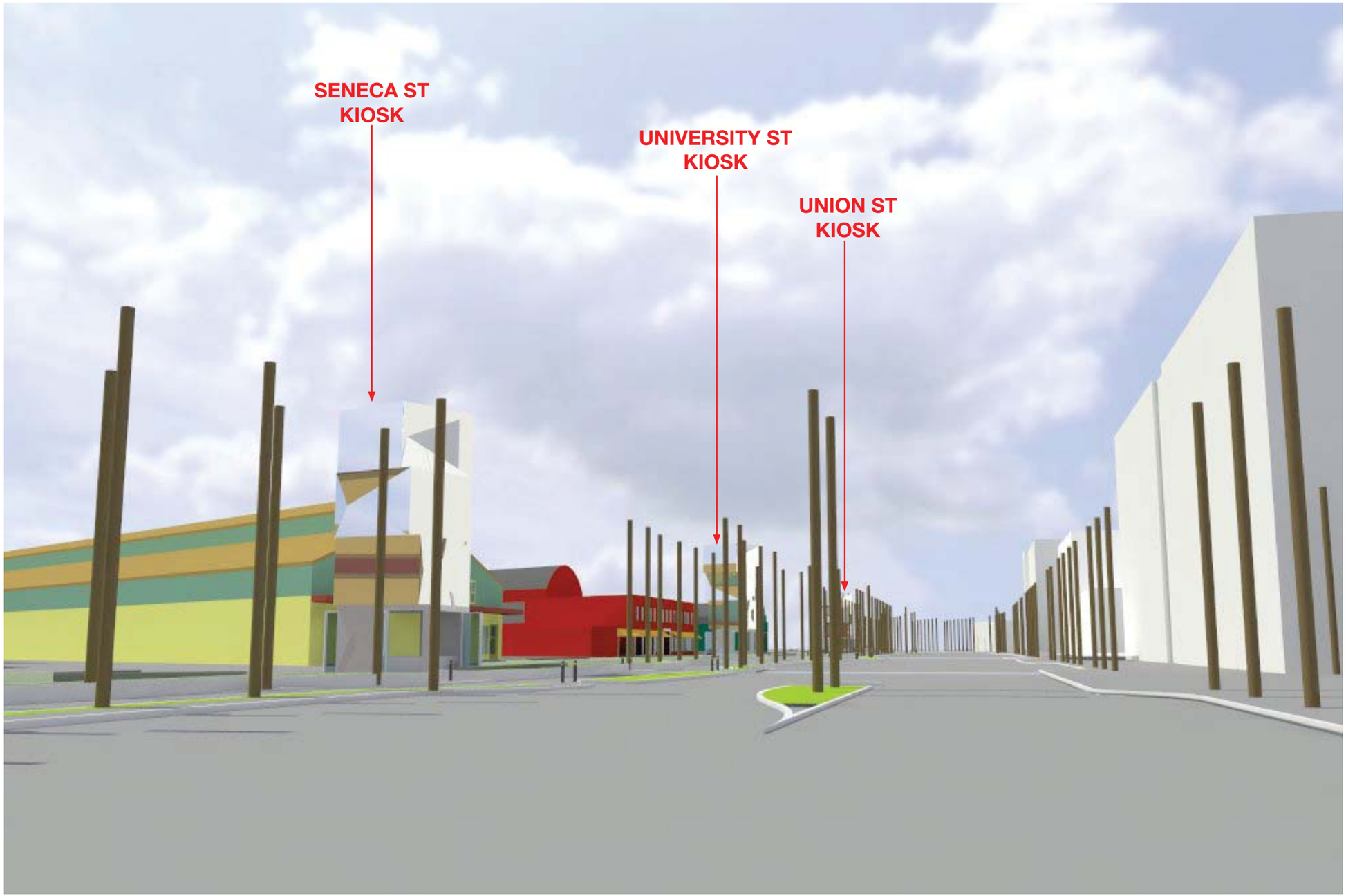
Cloudy: 70% cloud covering during daylight hours

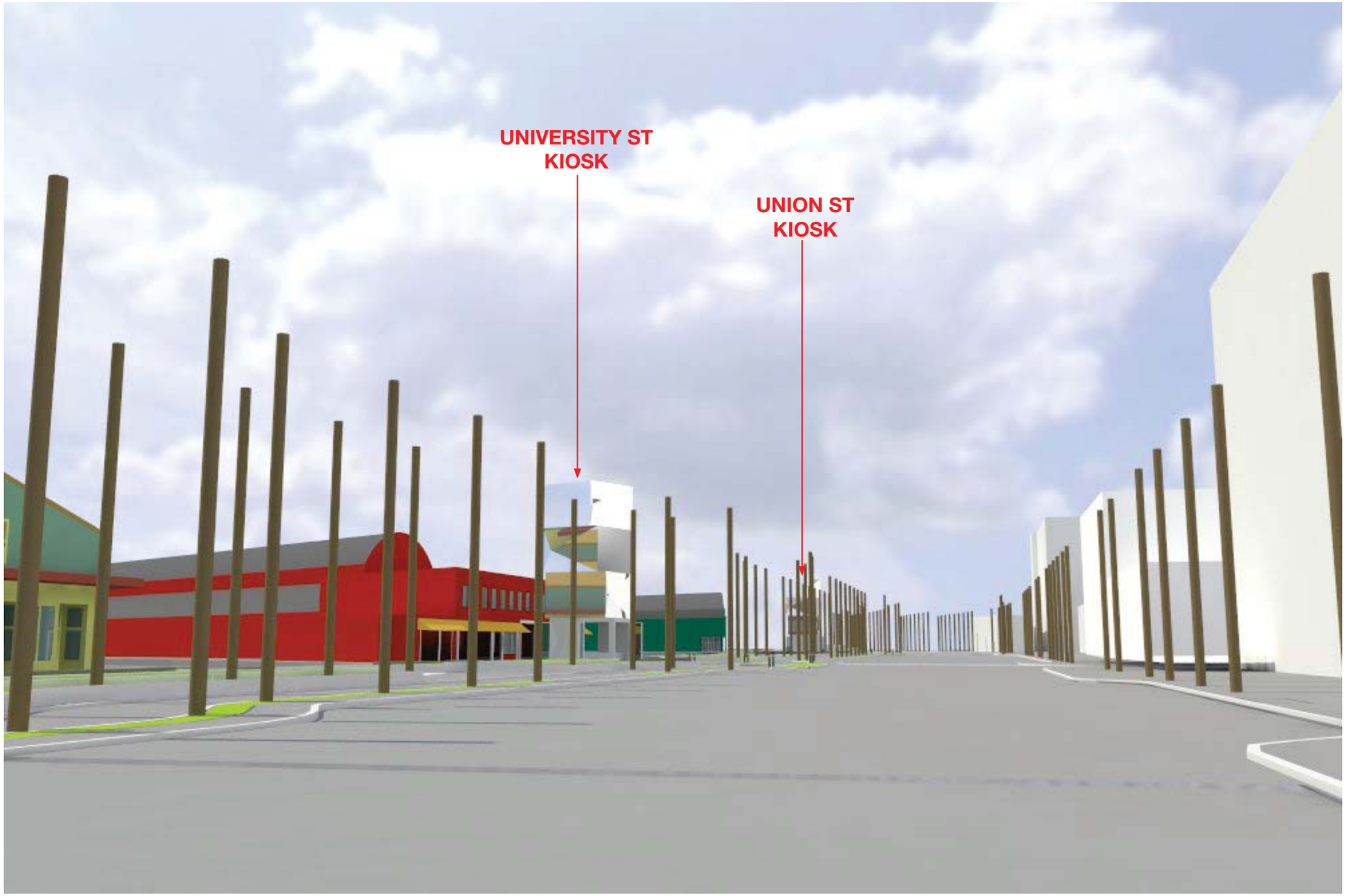
43% Total Yearly % of Sunny and Partly Sunny Days

Months in which low sun angle potentially pose glare problems = months with fewer then 3 sunny days per month

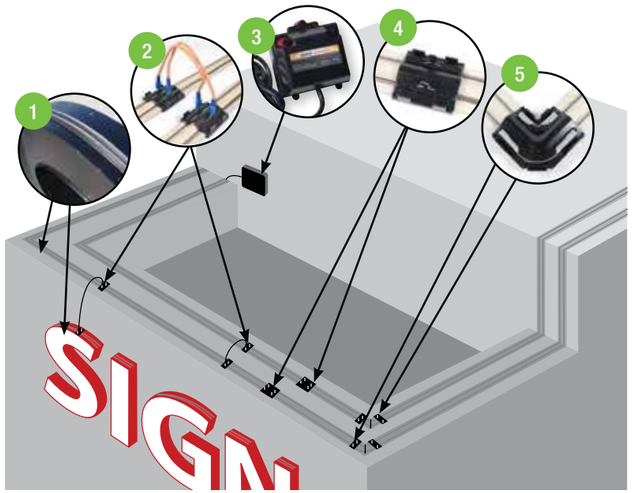

SPRING ST
KIOSK
SENECA ST
KIOSK
UNIVERSITY ST
KIOSK
UNION ST
KIOSK
Location of trees,
shown at 30’ high


SPRING ST
KIOSK
SENECA ST
KIOSK
UNIVERSITY ST
KIOSK
UNION ST
KIOSK


SENECA ST
KIOSK
UNIVERSITY ST
KIOSK
UNION ST
KIOSK


UNIVERSITY ST
KIOSK
UNION ST
KIOSK


UNIVERSITY ST
KIOSK
UNION ST
KIOSK



Bird-Shock: A Professional System

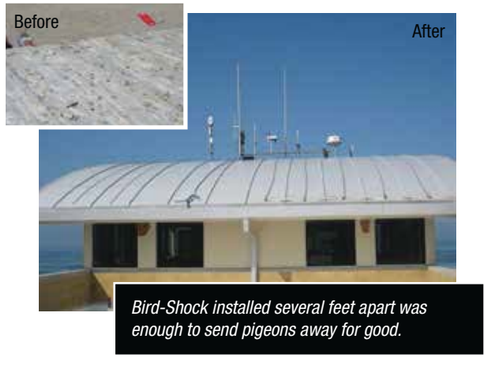
Bird-Shock Flex-Track has changed the face of the bird control industry. One product is able to protect a wide variety of surfaces from all bird species, while at the same time being virtually invisible, and incredibly durable.

1) Flex-Track protects straight ledges, and curves easily to protect sign letters.
2) Jumpers snap quickly to the track, making it easy to power multiple tracks.
3) A charger unit mounts to the building and sends intermittent power down the two conductors.
4) Quick connectors are used every 50 feet, or wherever else connections are needed.
5) Corner Quick Connectors make 90 degree angles a snap.

Important Note: *Electrified systems are active systems. They require regular maintenance.*

The new Quick Corner Connector is an attractive and durable way to turn 90 degrees.

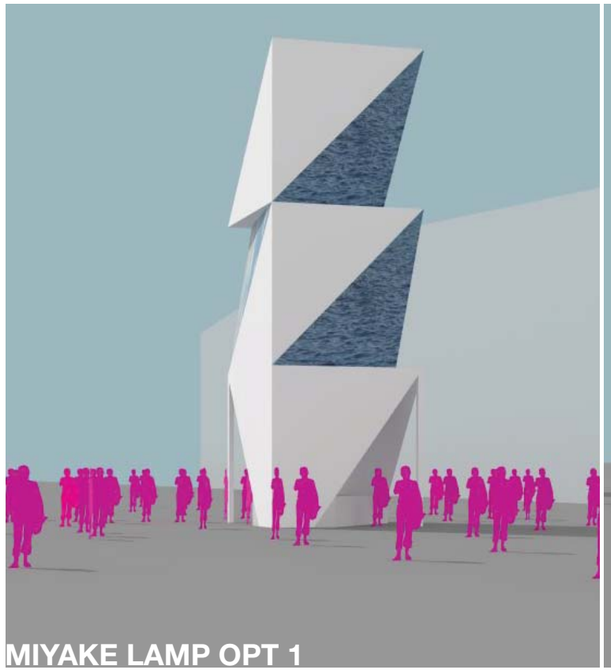
Bird-Shock running in all directions on an airport canopy completely eliminates the bird problem.



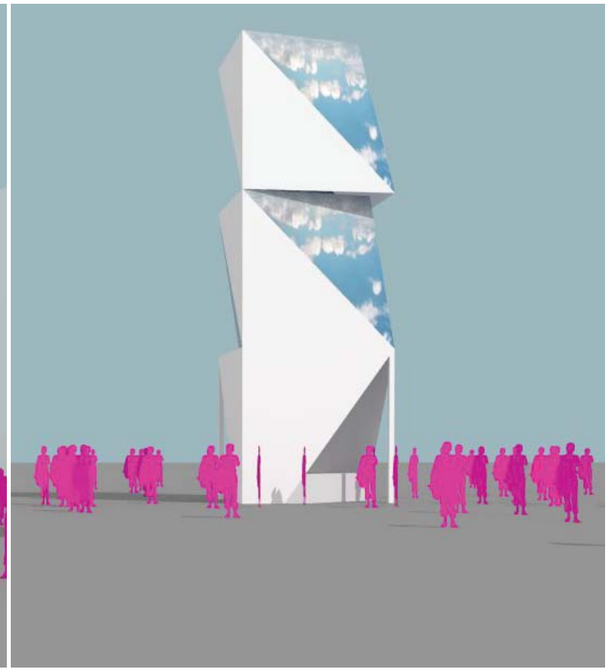
Bird-Shock installed several feet apart was enough to send pigeons away for good.

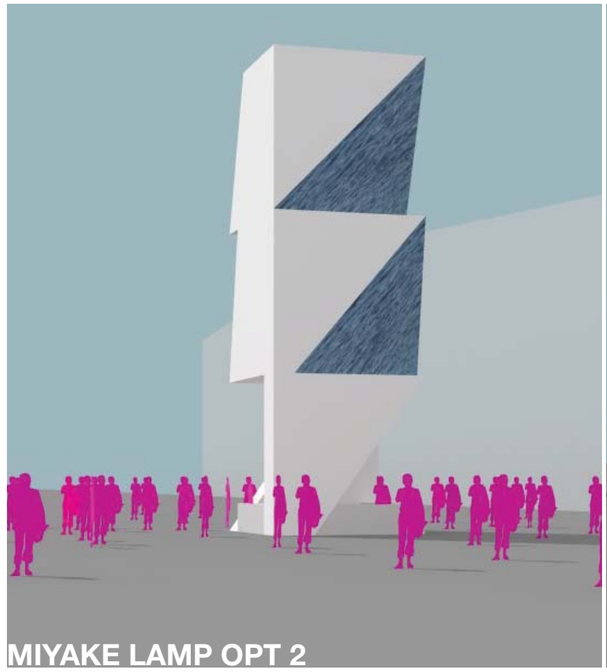
Low-Voltage Electric Charge

Bird Barrier - Flex Track

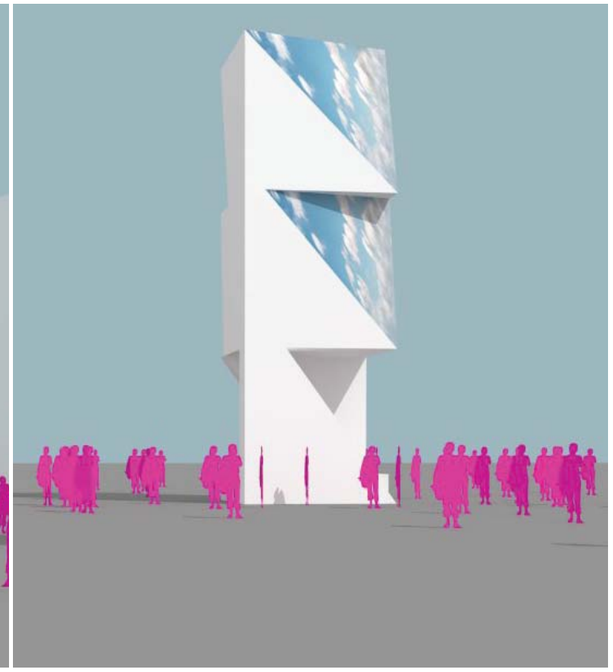


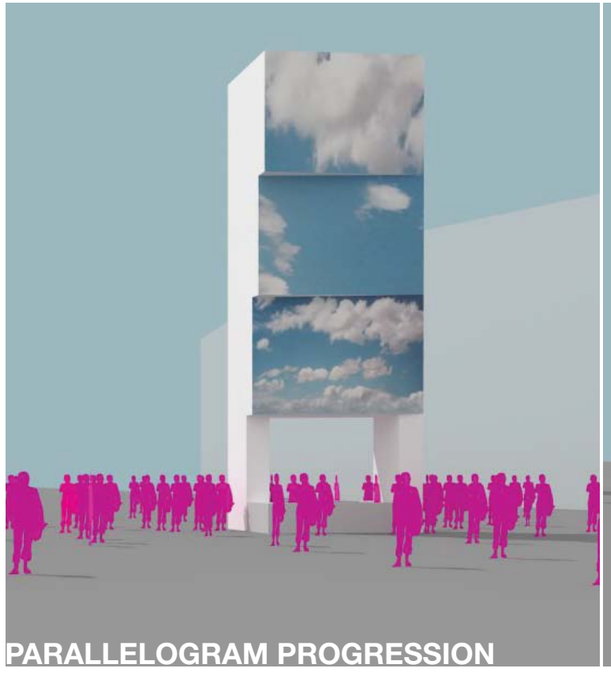
MIYAKE LAMP OPT 1



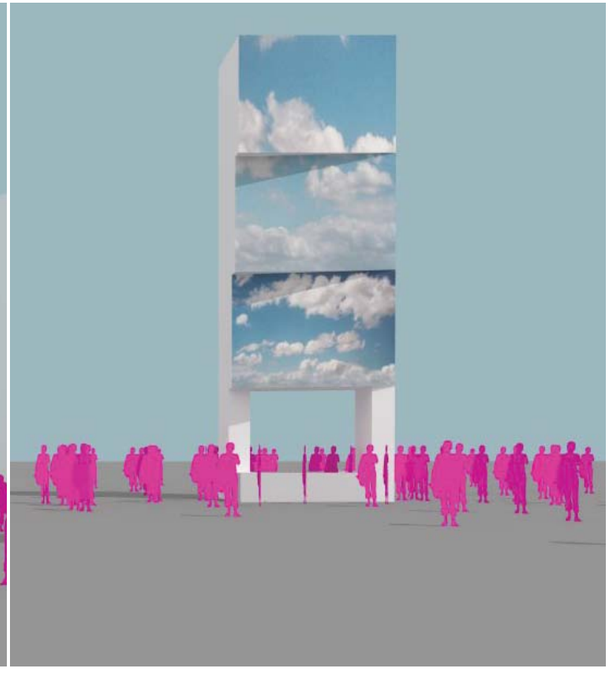


MIYAKE LAMP OPT 2

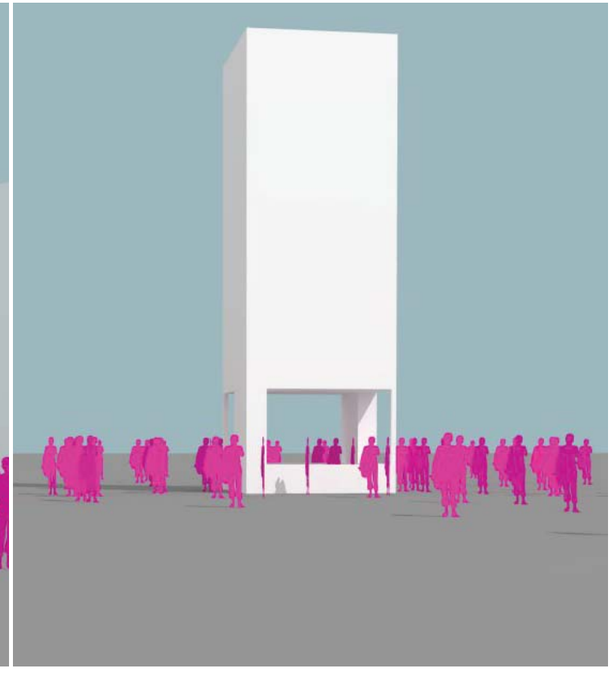




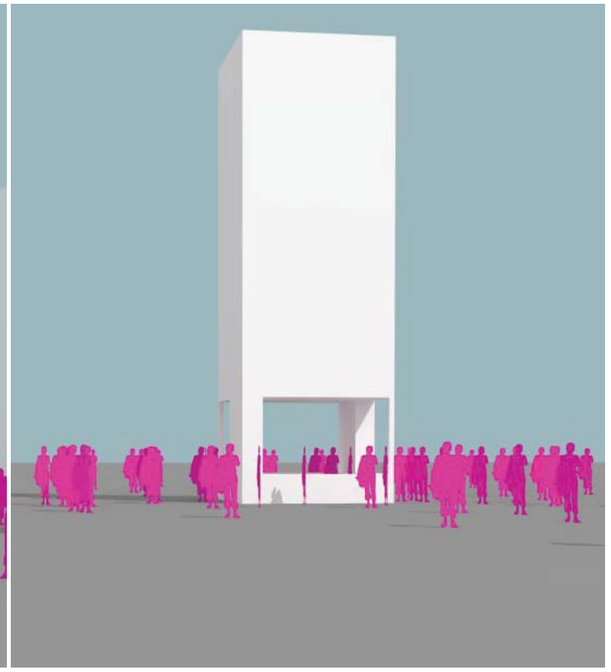
PARALLELOGRAM PROGRESSION

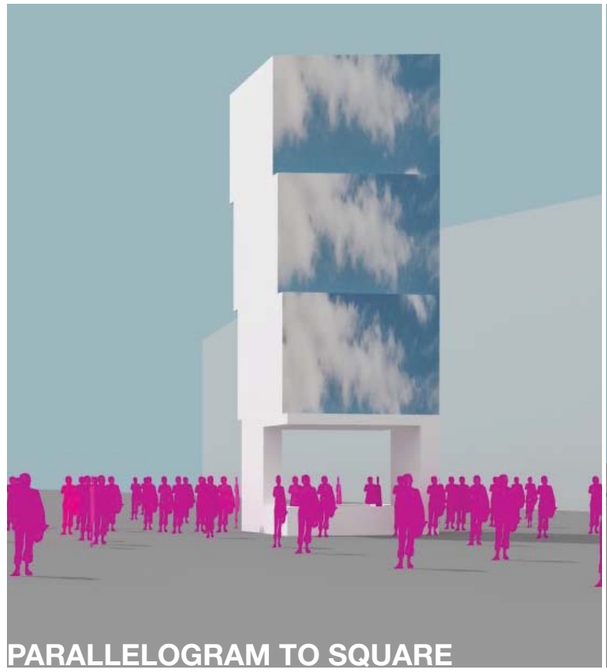


TRIANGLE TO SQUARE PROGRESSION

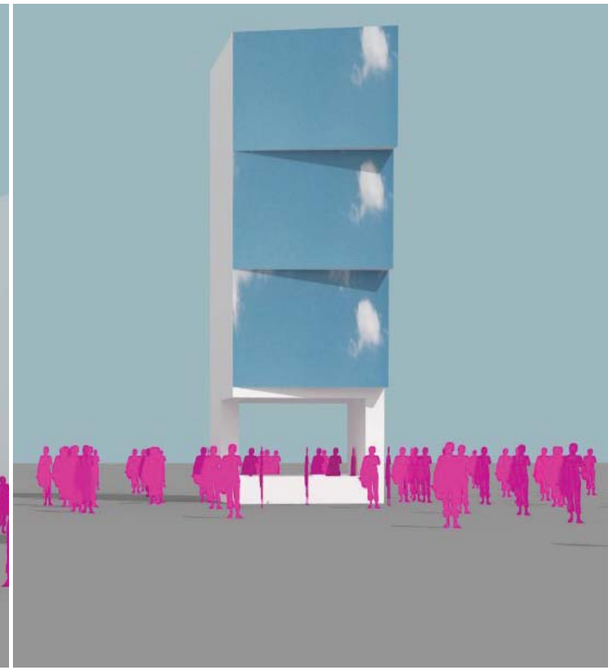


SQUARE TO TRIANGLE PROGRESSION

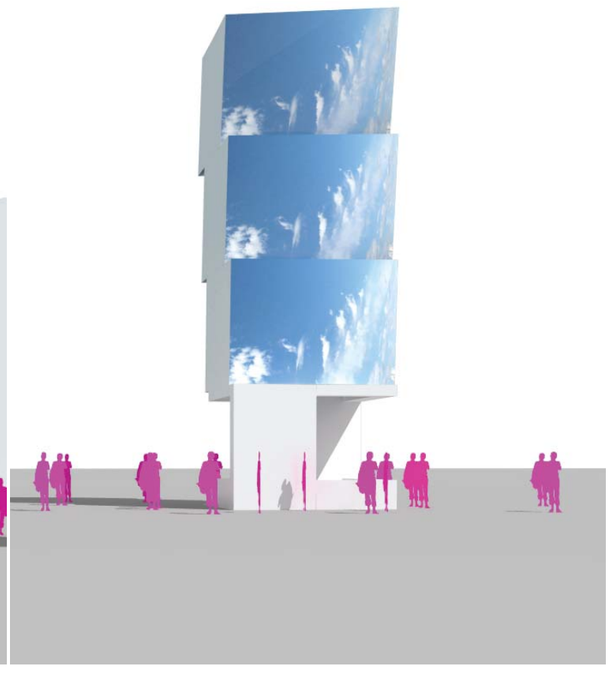


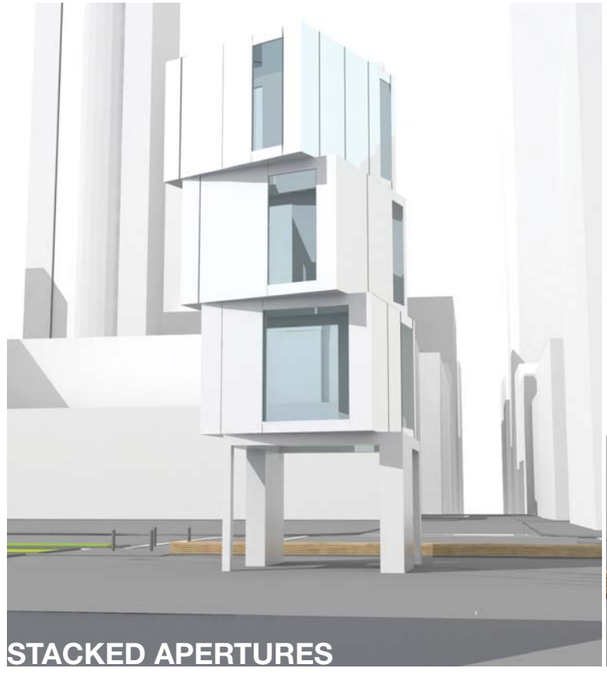


PARALLELOGRAM TO SQUARE



SHEARED PARALLELOGRAM





STACKED APERTURES