Island is Land

Content

Randalls and Wards Island _ the unwanted Space

Summer 2022 Proxy Landscape_Marco Ferrari & Elise Hunchuck Team with Ze Meng

Rikers island_ the envidence of the modern plantation

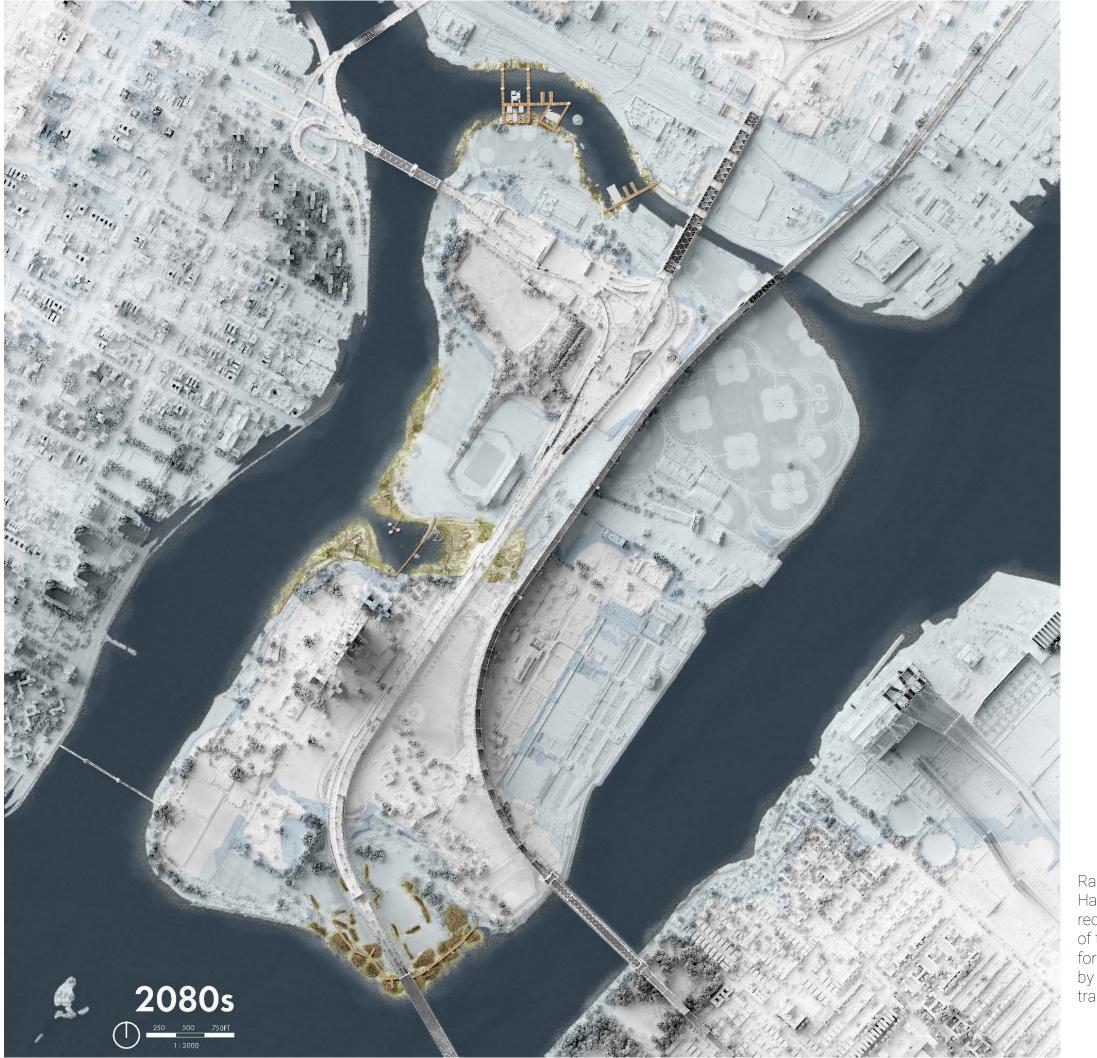
Fall 2022 Everything/Everything: Alien Epistemologies from the Still present _ Mario Gooden Individual Work

The Sixth Borough Hall on Governors Island

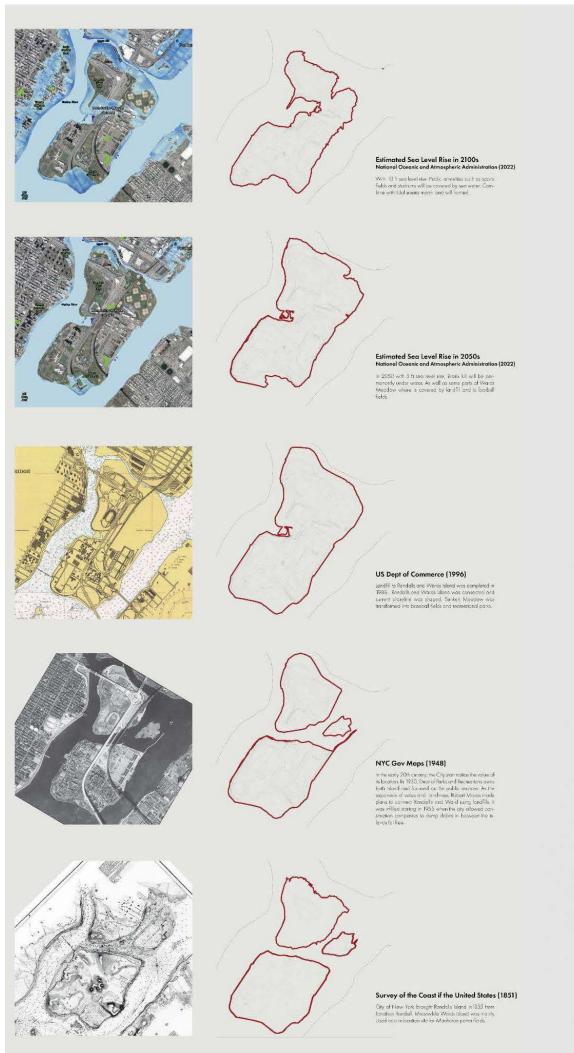
Spring 2022 City, Hall_ Eric Bunge Team with Luis Salinas

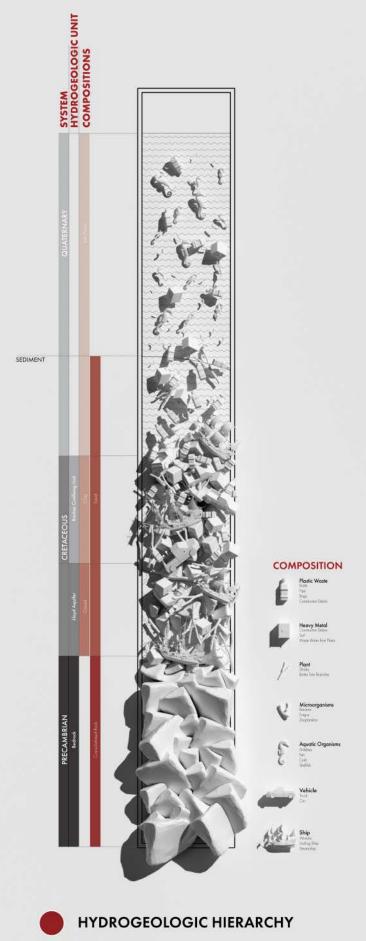
The Material trace of the Getty's Traventine Facade

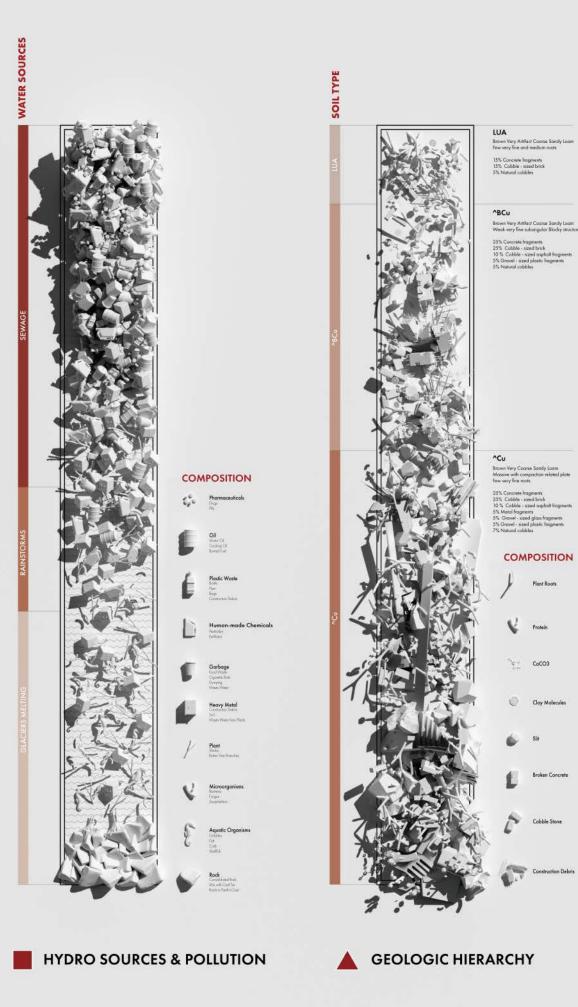
Spring 2022 Construction Ecologies in Anthropocene_Tommy Schaperkotter Individual Work



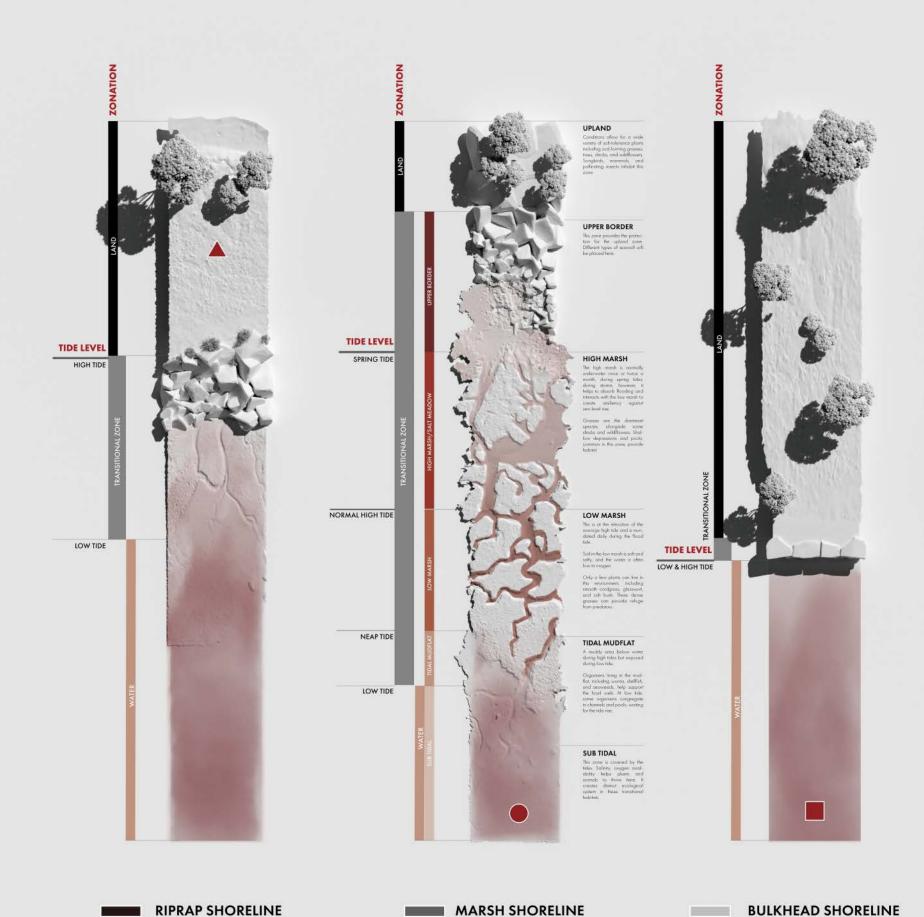
Randalls & Wards Island was an undesirable island surrounding the east and Harlem river which has a history of landfills, while now it's being converted into a recreational park for the city and a great habitat for organisms. The morphology of the island and shifts in shoreline historically and geologically reflect the transformation between land and water. Therefore, we divide the survey into two parts by respectively studying land and water to observe the material exchange in the transformation.







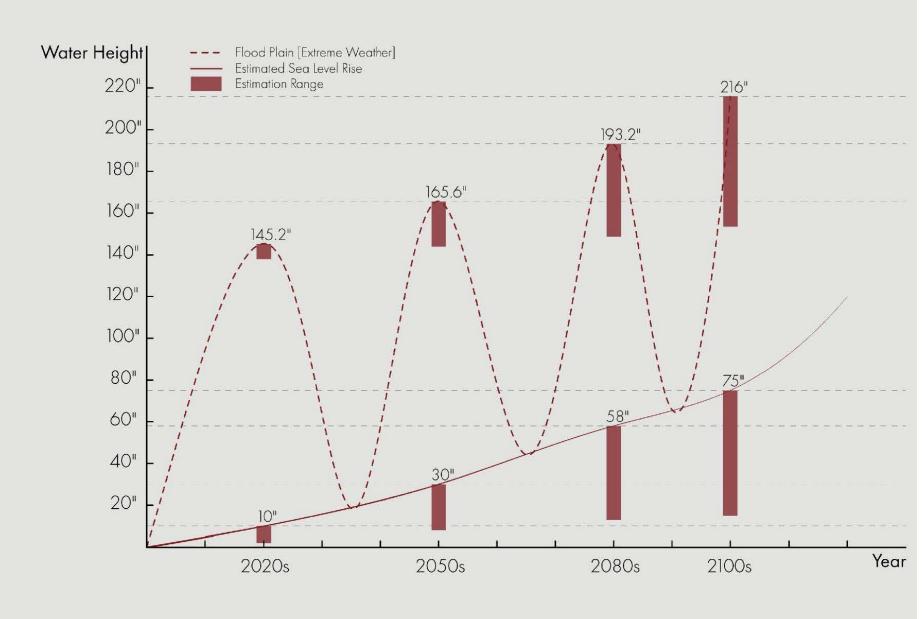
SHORELINE INDEX

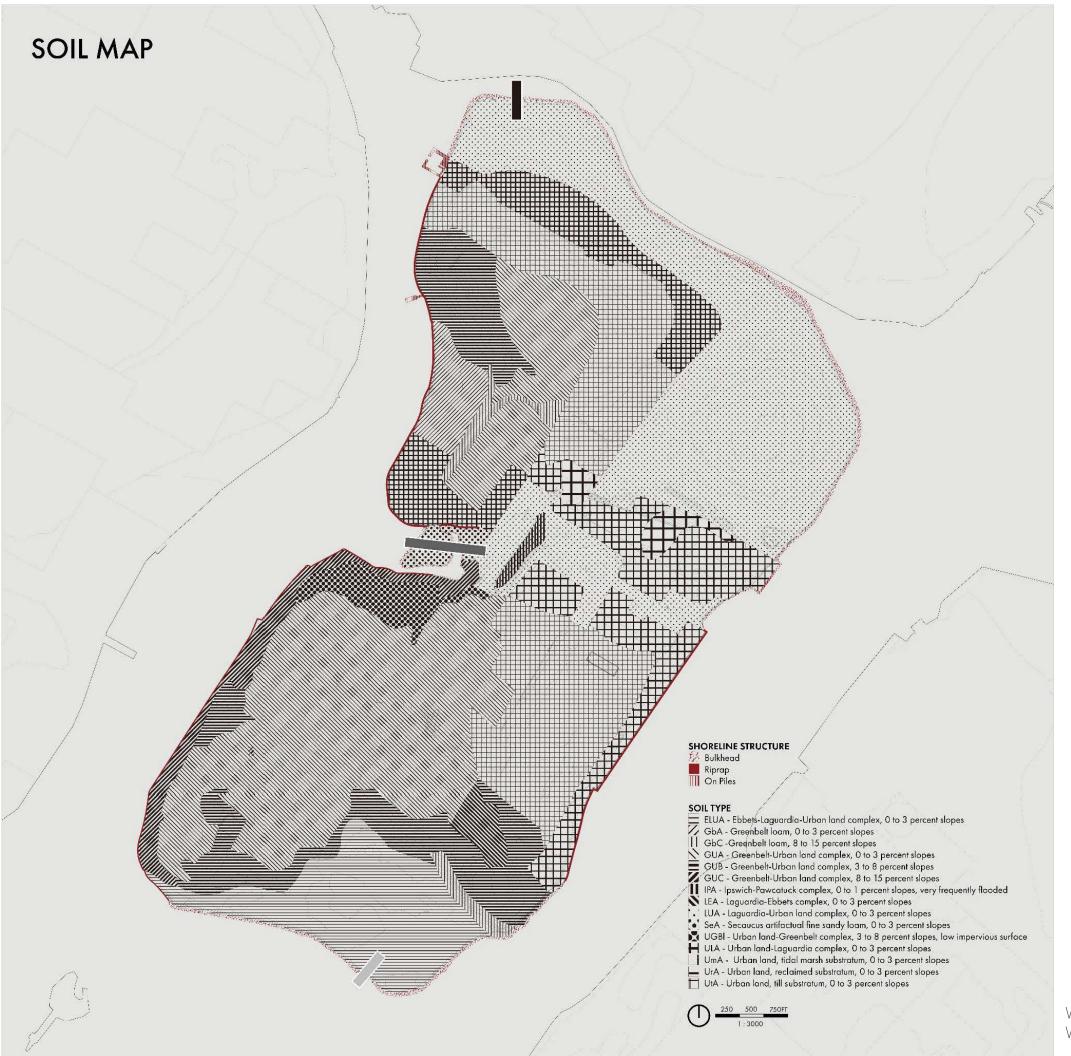


We created this map by hatching the shoreline from historical maps from different periods of time. The darker the poche is, the later the land is filled. The yellow line represents the current shoreline. We started looking at the area between the changing shoreline and unfolded the history of land reclamation on our site.

STORM SURGE TIDAL EVENTS Low Estimate (15" SLR) Middle Estimate (36" SLR) High Estimate (75" SLR) Lond Fill FLASH FLOOD STORM SURGE Catergory 1 Hurricane Zone

SLR + EXTREME FLOOD GRAPH

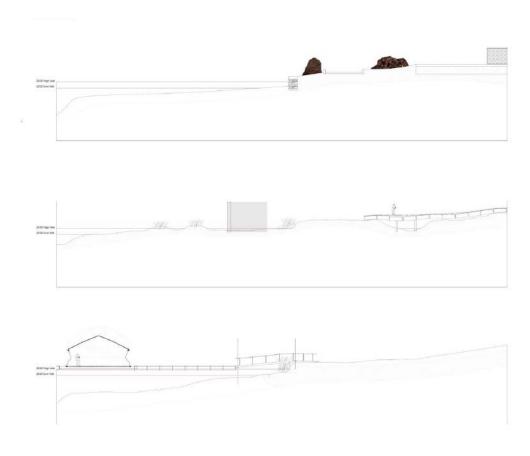


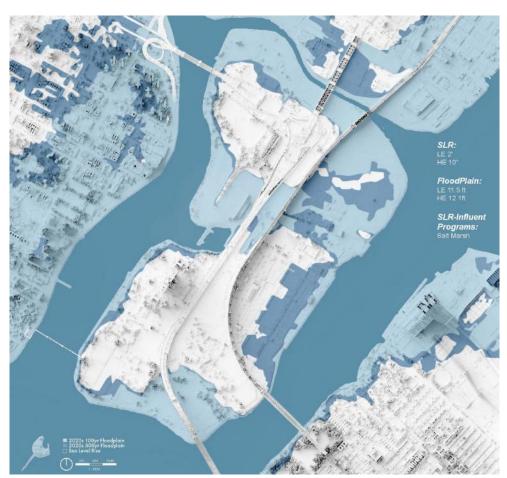


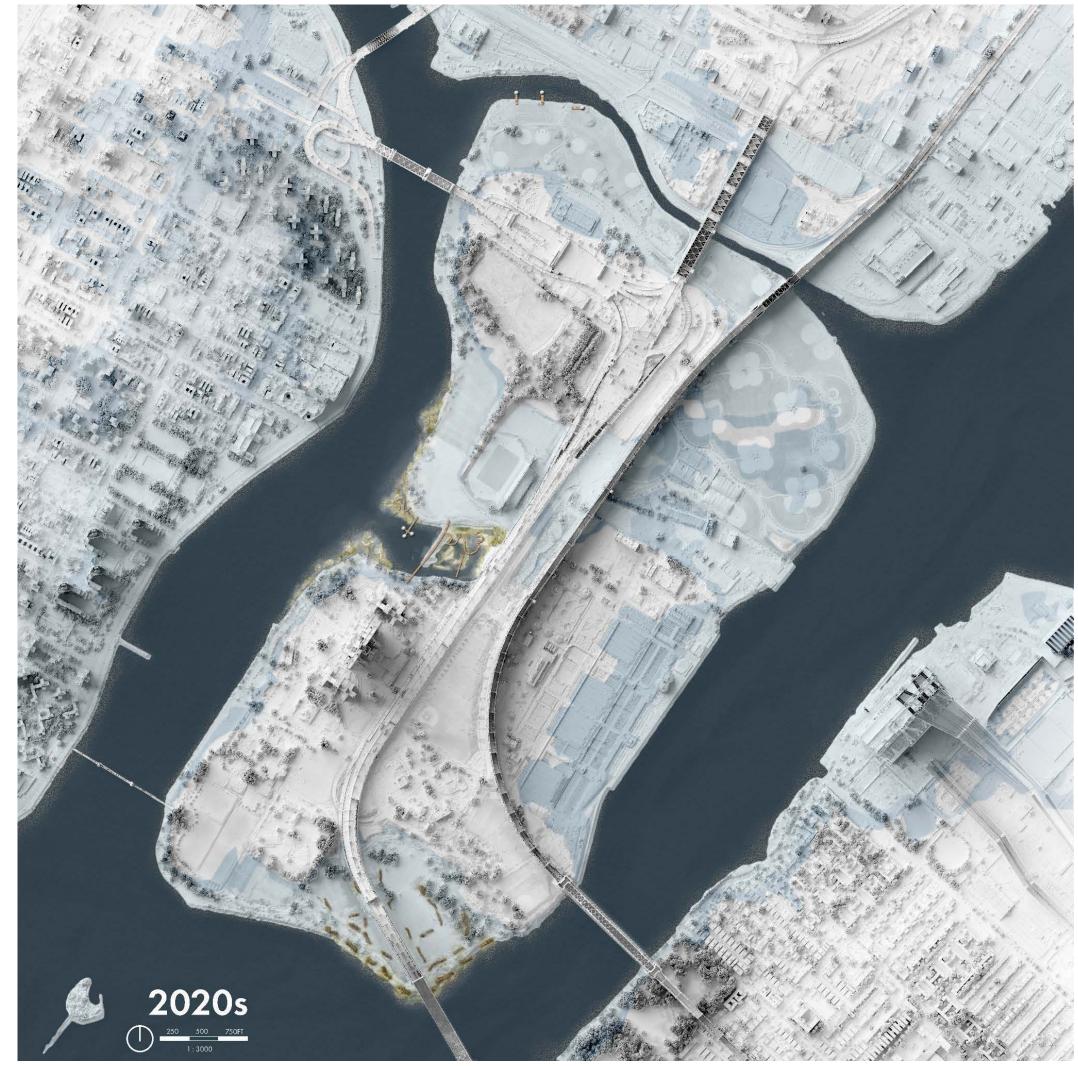
We seek the design oppotunities from the physical materiality of the Randalls and Wards island.

Randalls And Wards island as aTest Site

Our vision is turning Randalls and Wards island into a test site for climate changel. Three test sites will be selected and for civic, reseach and recilience test.

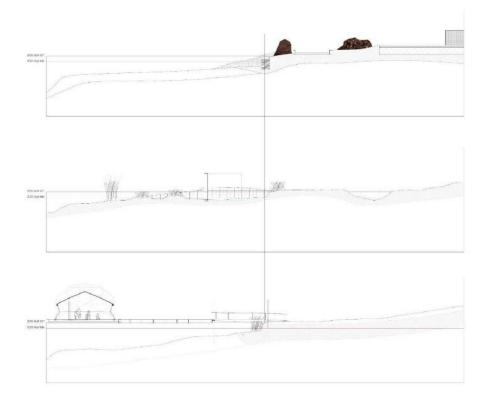


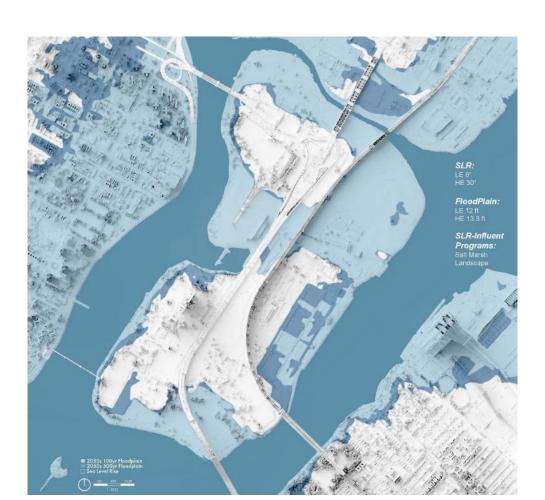


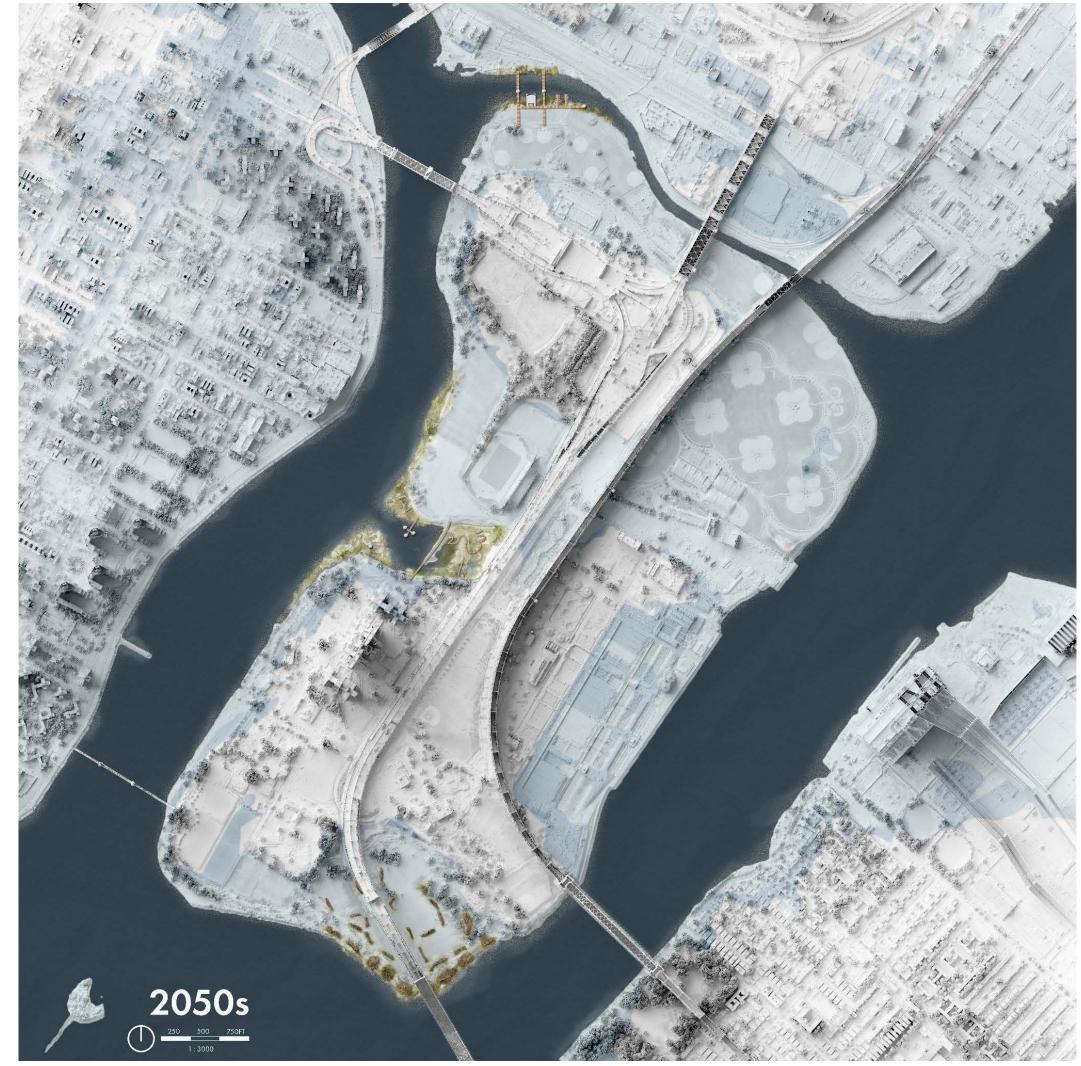


With the controlled tidal events, the salt marsh will grow. The resilient barrier will form.

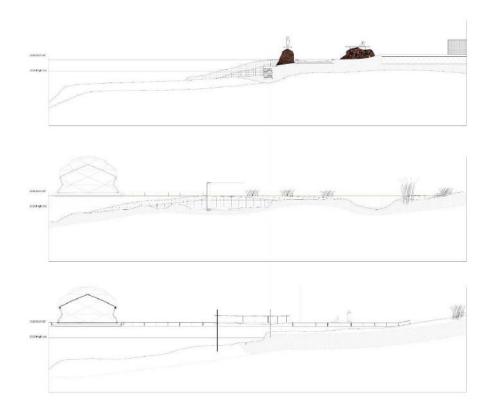
2050s PROJECTION SECTION



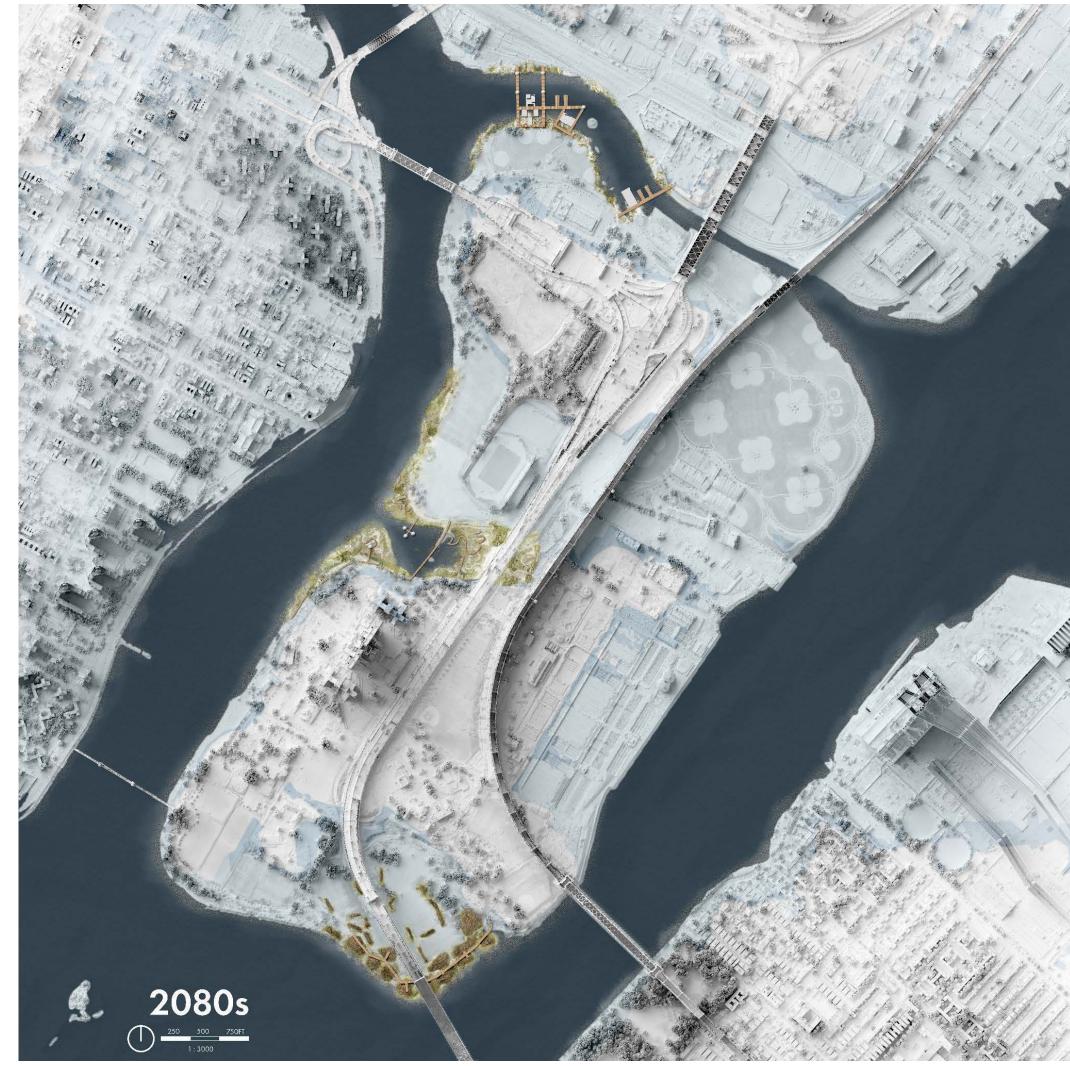




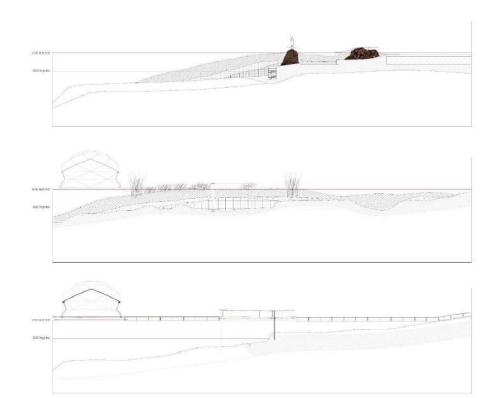
2080s PROJECTION SECTION



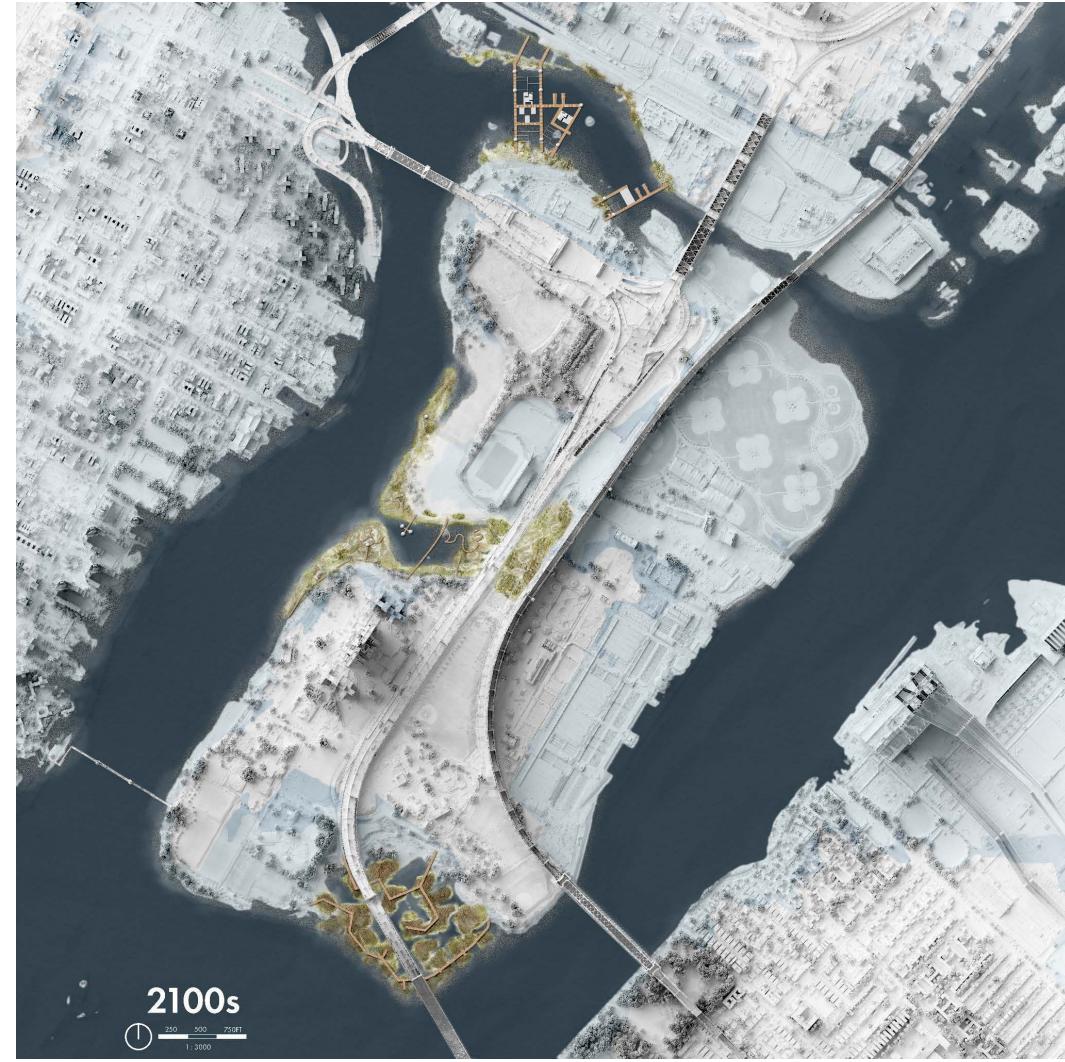




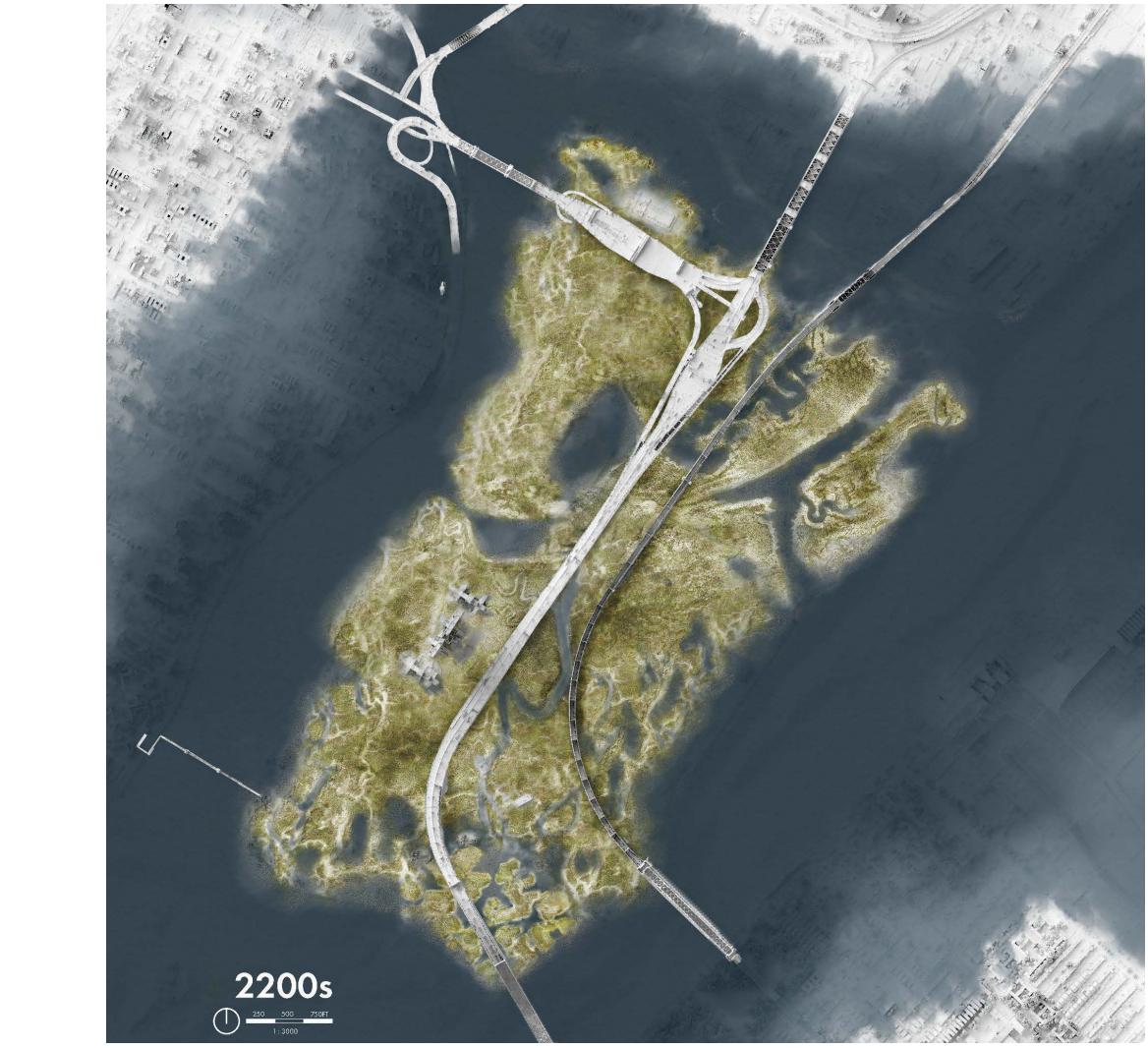
2100s PROJECTION SECTION

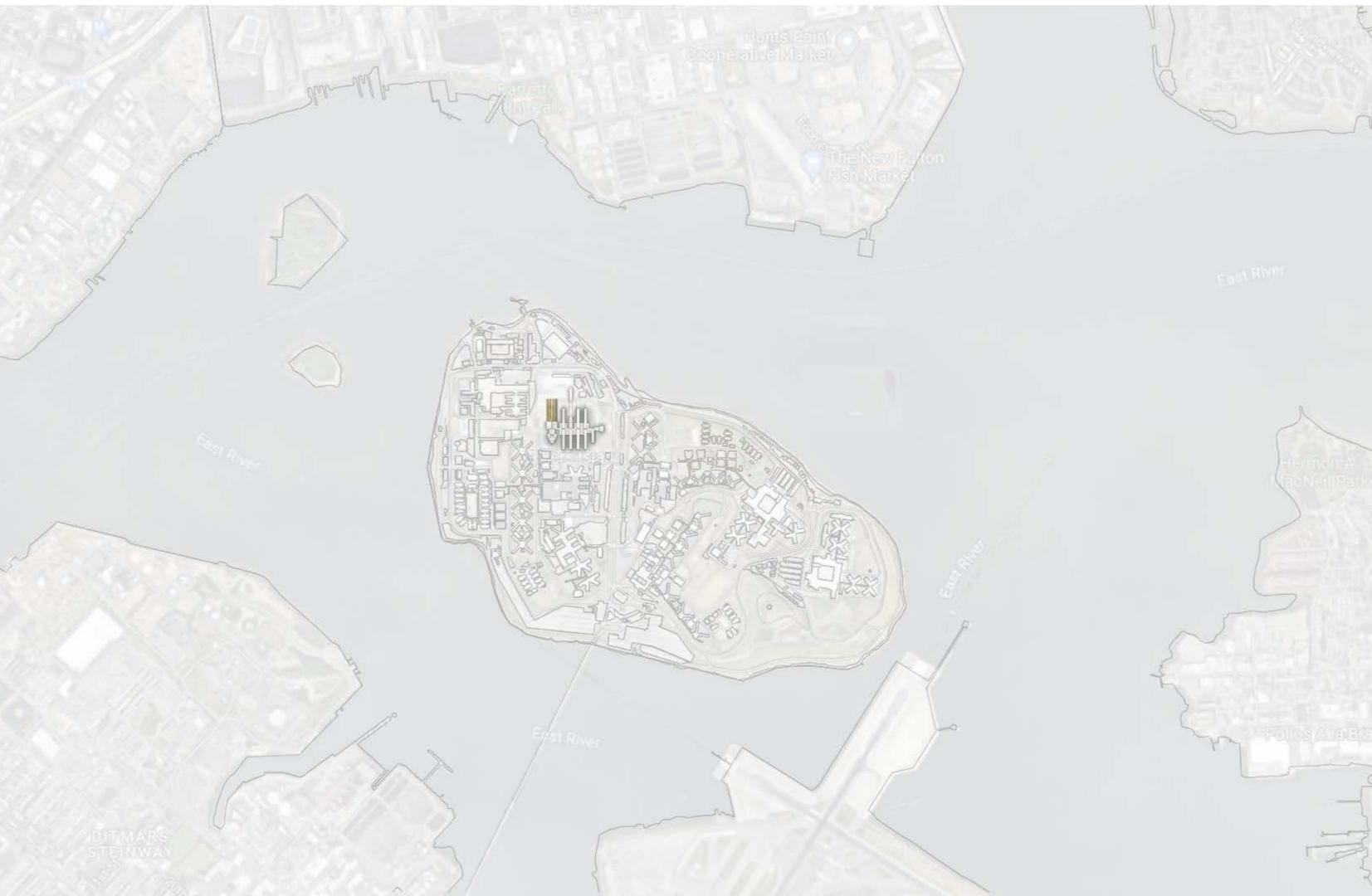




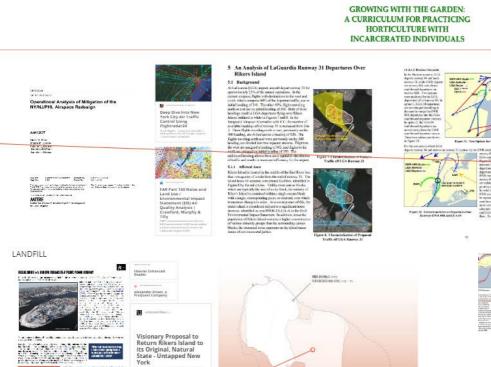


After testing the site for around two centuries, the whole Randalls & Wards Island would beomce Marshland, like it was before in the 18th century...









Statistics for Rikers Island

- * Two-thirds of the population is detainees

 * Male pop 90% of which black/hispanic is 91%

 * One of eight males and more than one of four females is HIV positive

 * 14% are asthmatic and 4% diabetic

 * One in four suffer from psychiatric disorder

 One of 10 has serious and persistent mental illness

 * 75 to 95% of inmates have a history of substance alcose

 * 10% have a high school diploma

 * 50 70 percent read below a sixth grade level in English

 more than one-fourth cannot make bail of \$500

 * almost 3 of 5 have bails of \$2.000 or less.

 * On average, inmates spend just a month and a half in the jail system

 * Half are older than 30

 * One-fight between 25 and 29

 * One-quarter 16 24

 * Highest charge is a felony related to sale or possession

 * One of eight is robbery

 * One out of 12 for murder or attempted murder

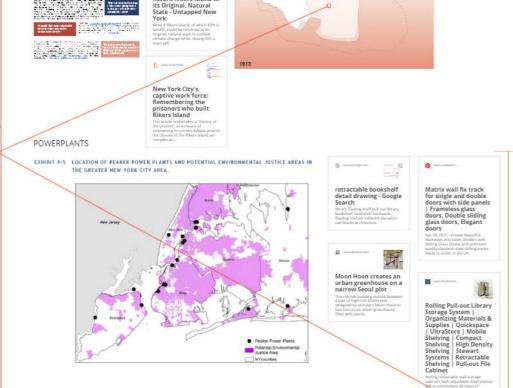
 * One of 20 is for burglary

 * 70% are for felony offenses

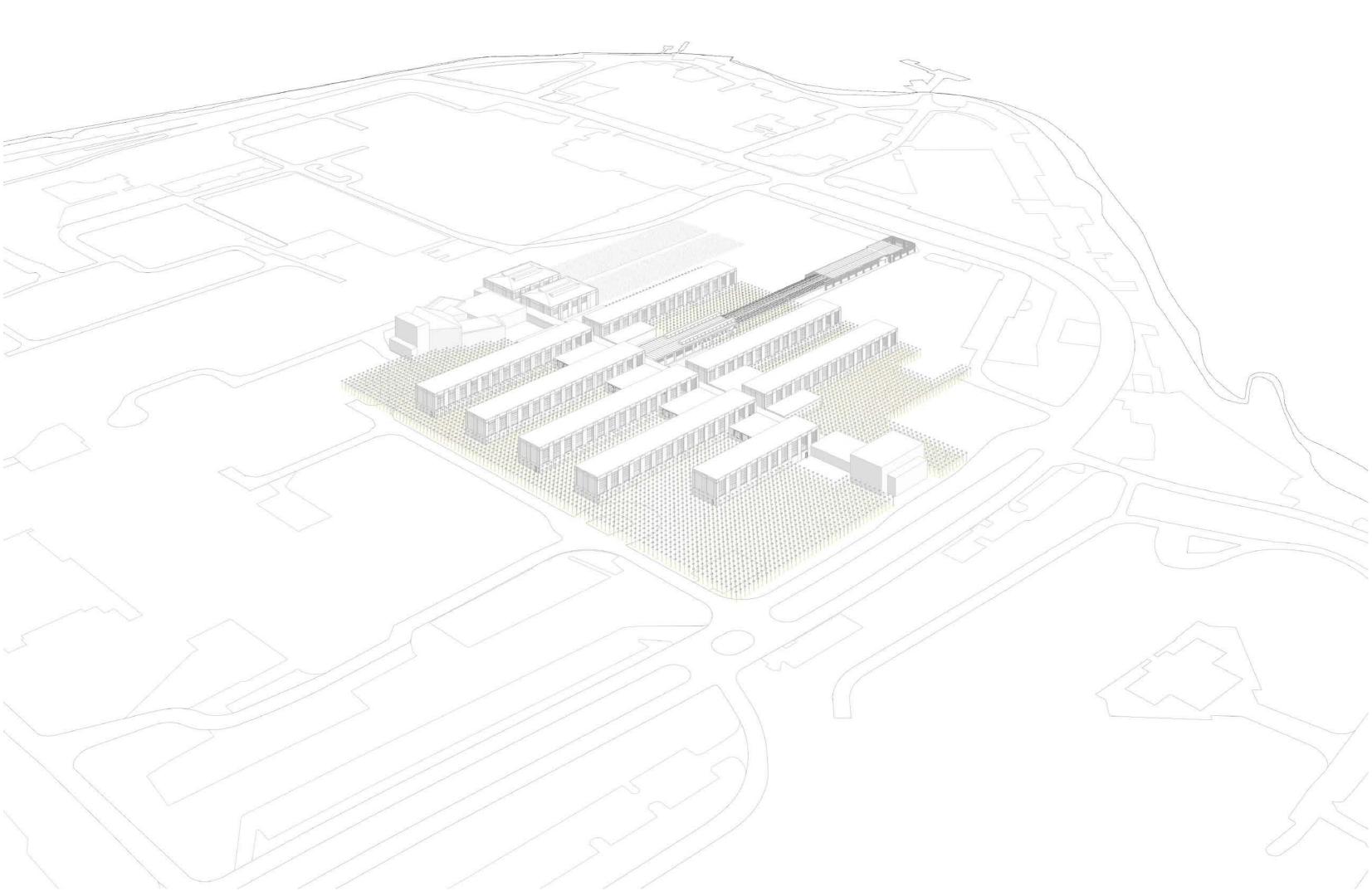
 * 30 for misdemeanor (larceny 3.0%, drugs 2.7% and prostitution 0.1%)

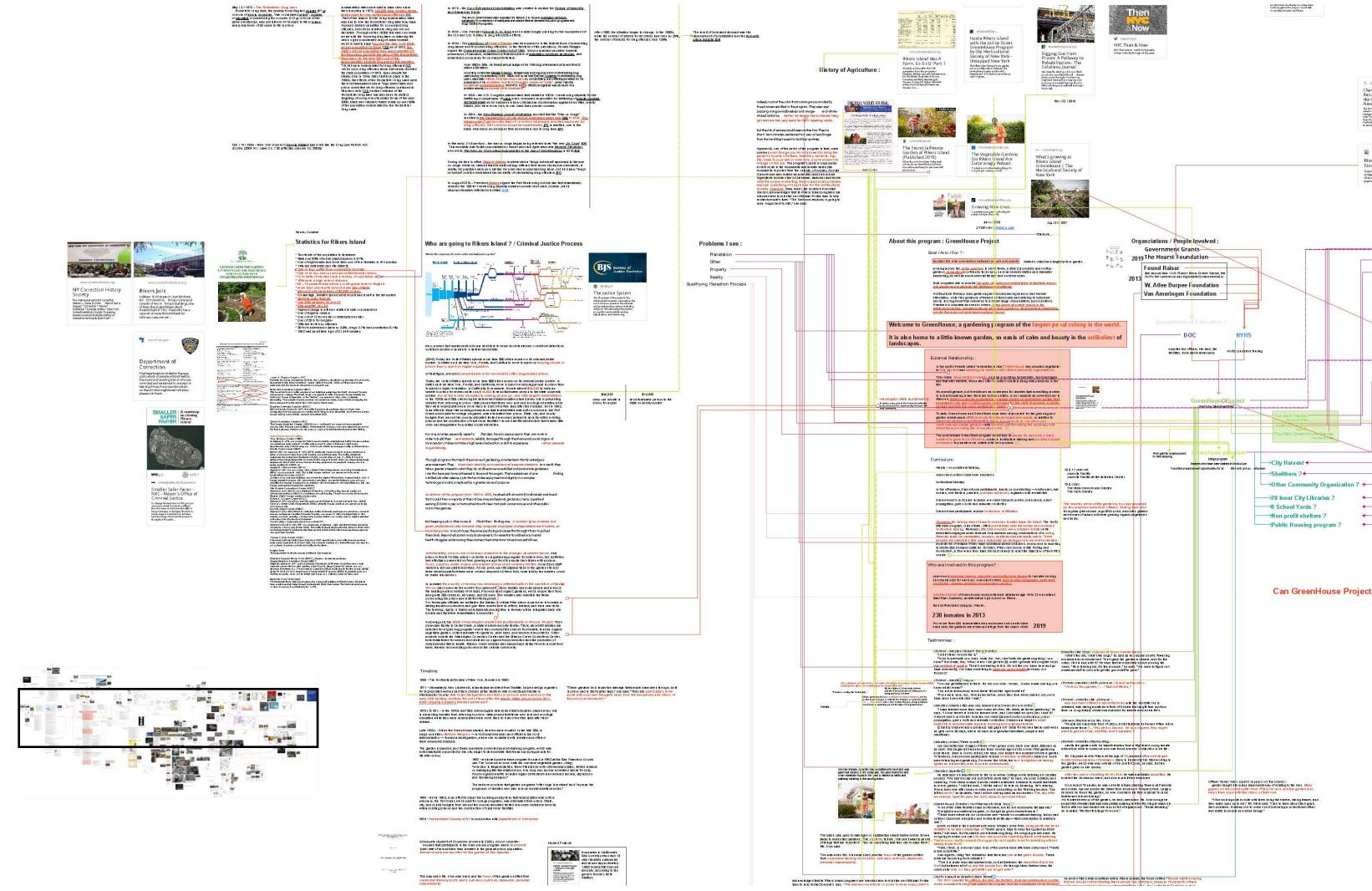
 * 1992 had an all time high of 21,449 inmates

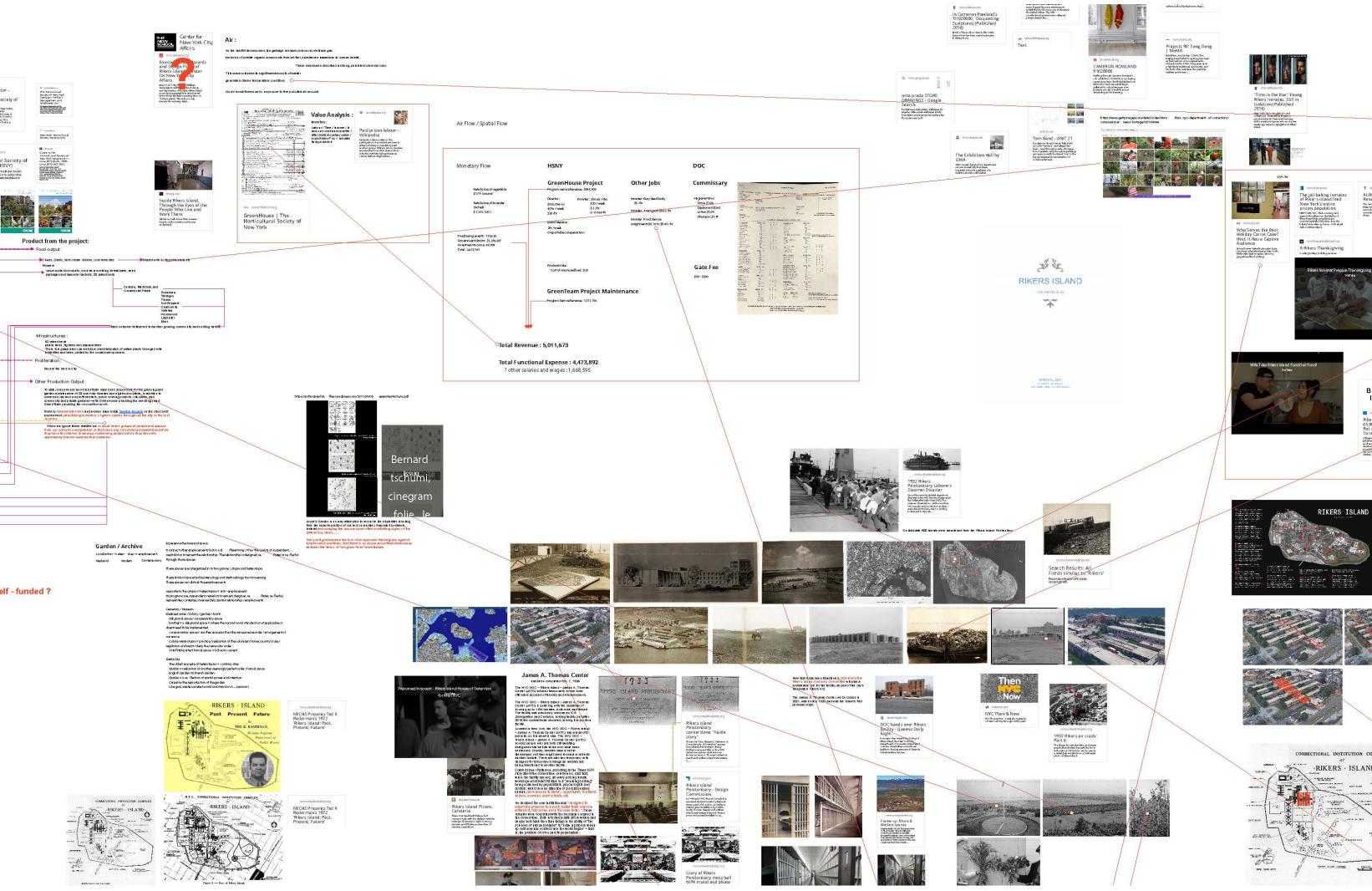


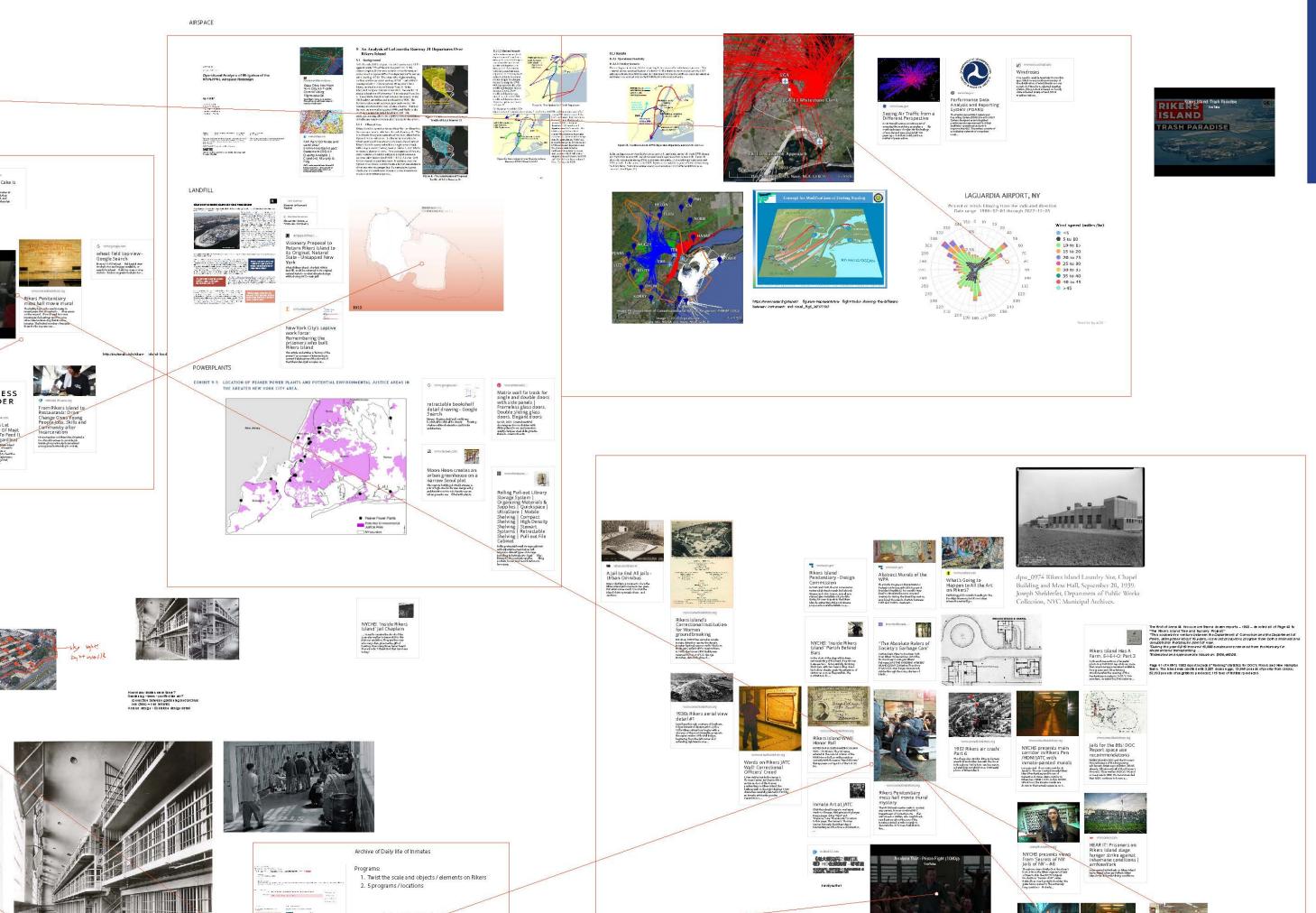












A MORE JUST NYC _____ Curton
Court
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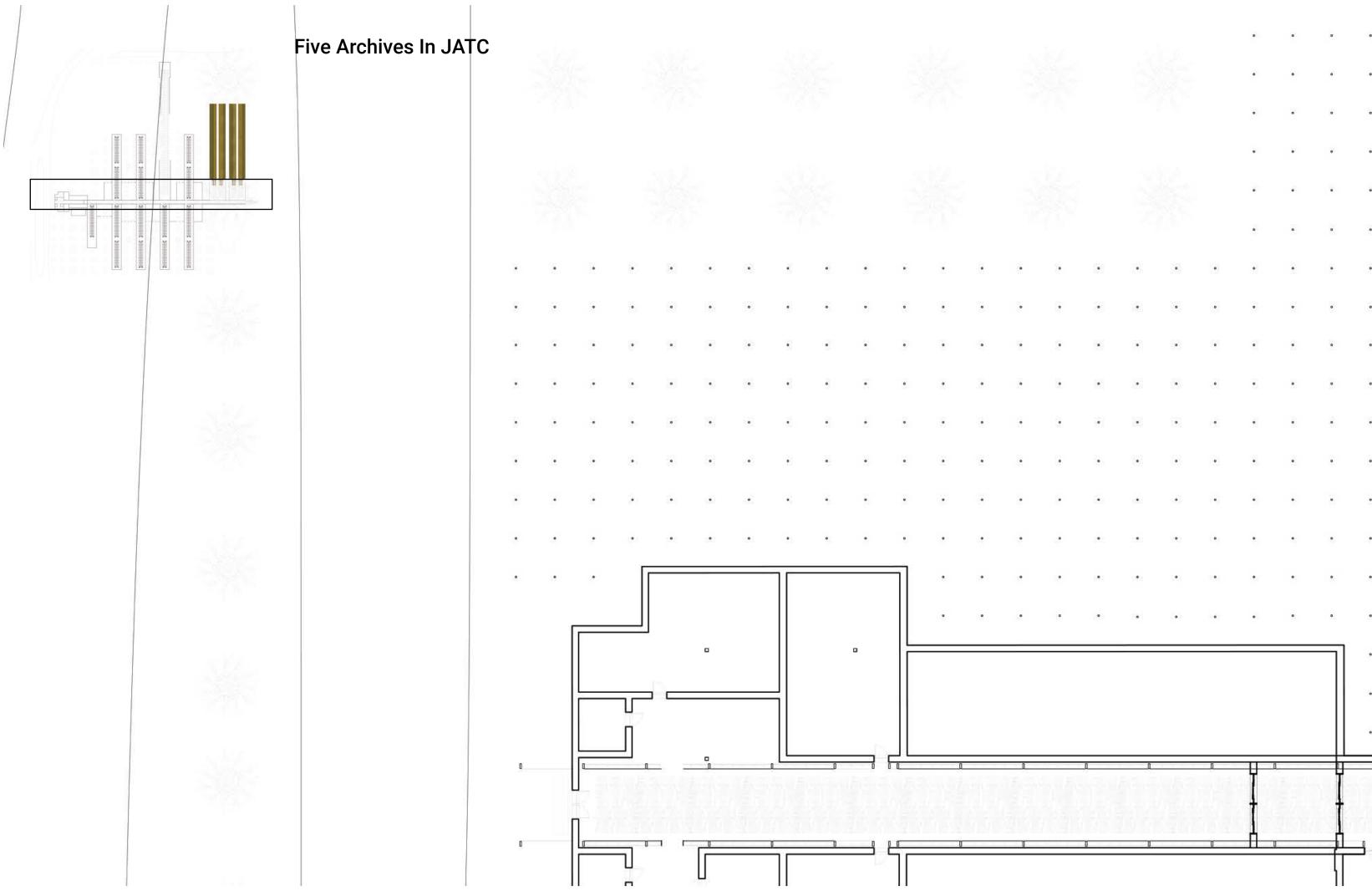
Closing Rikers Island

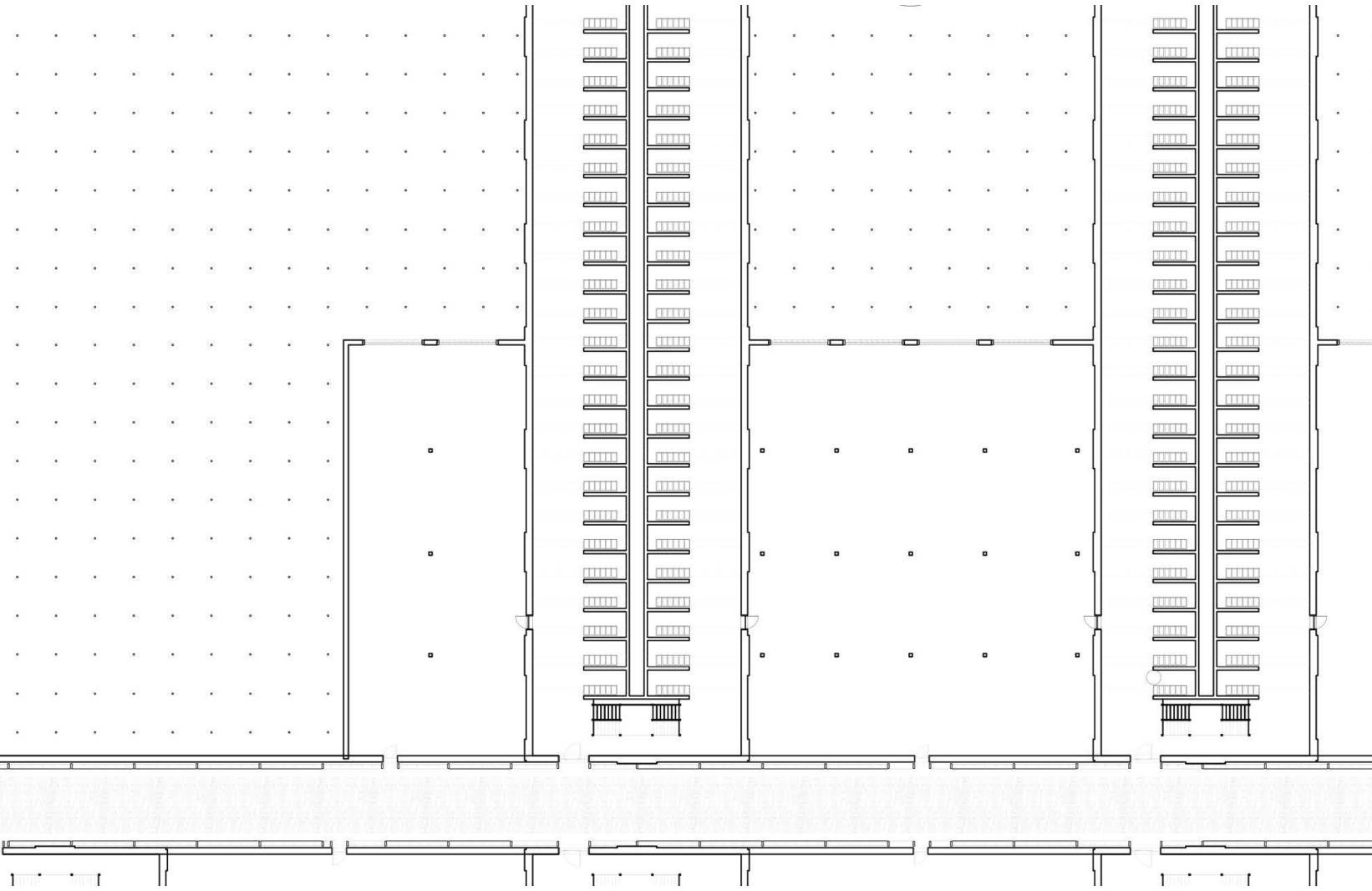
A Roadmap for Reducing Jail in New York City

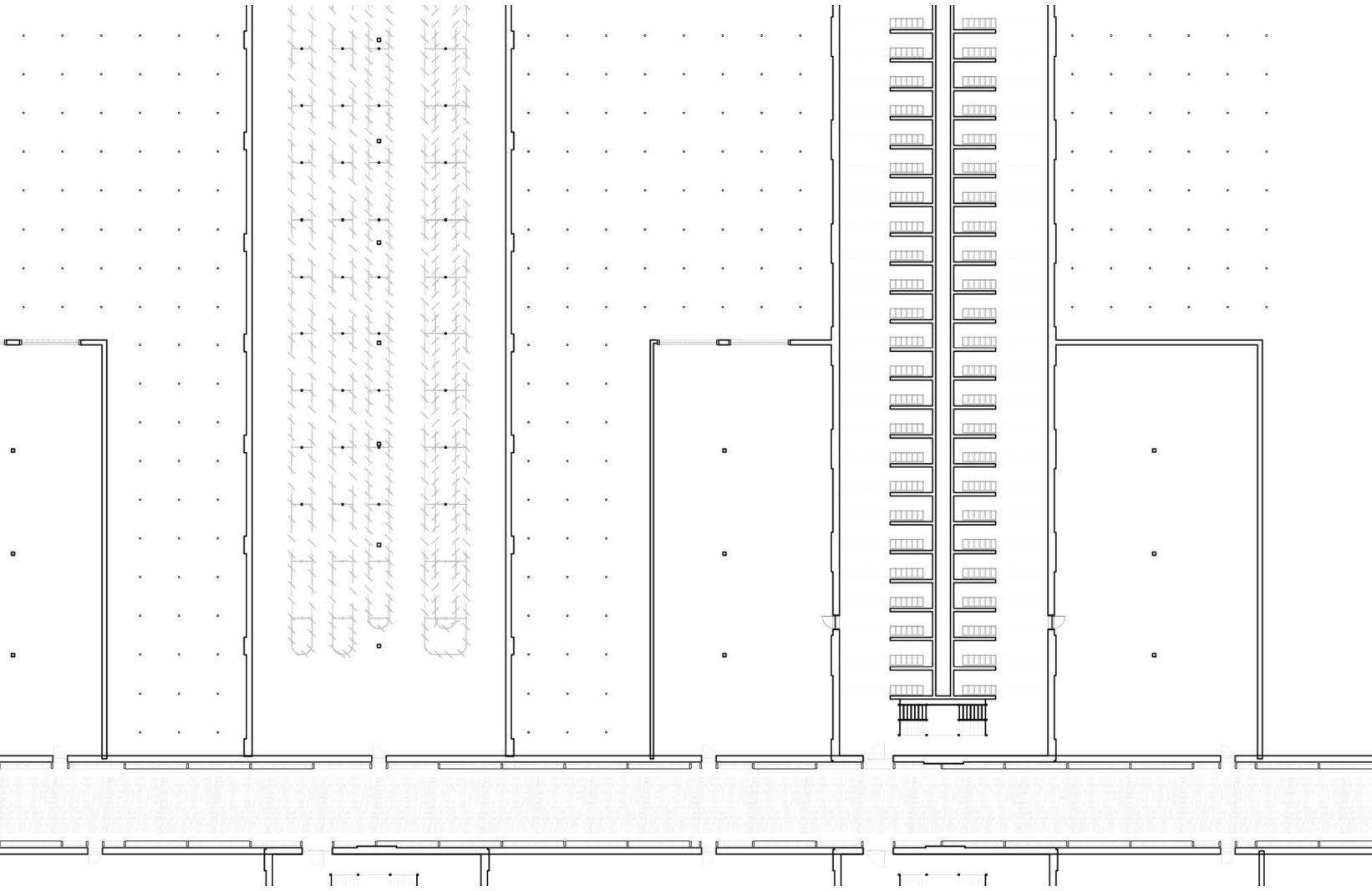
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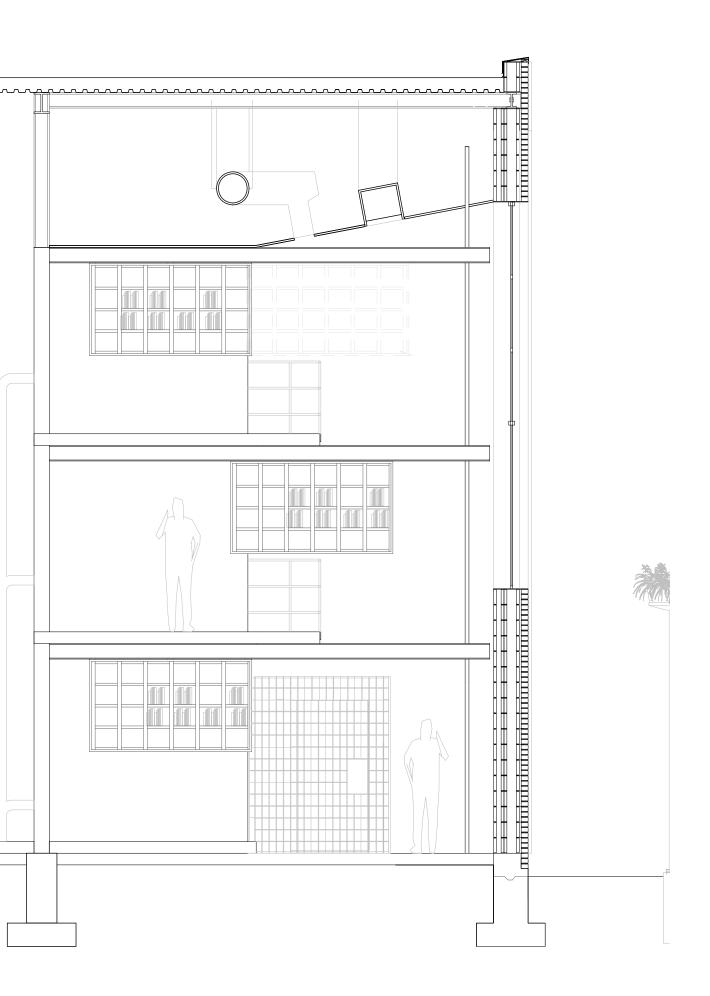


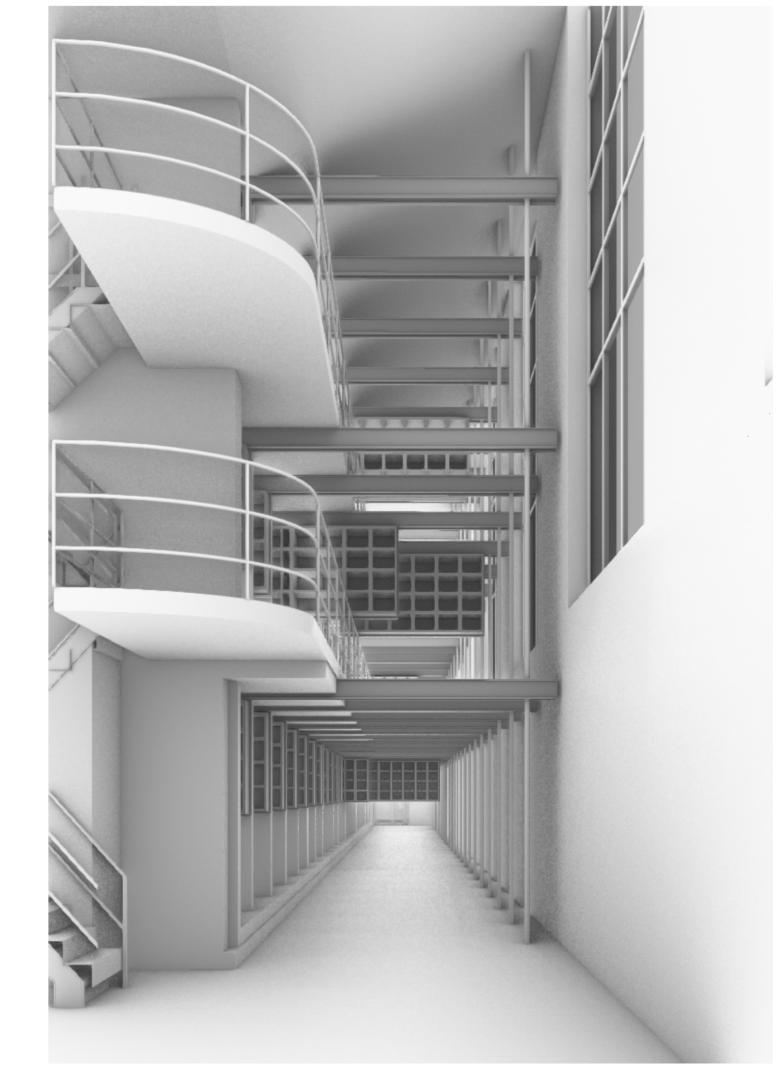




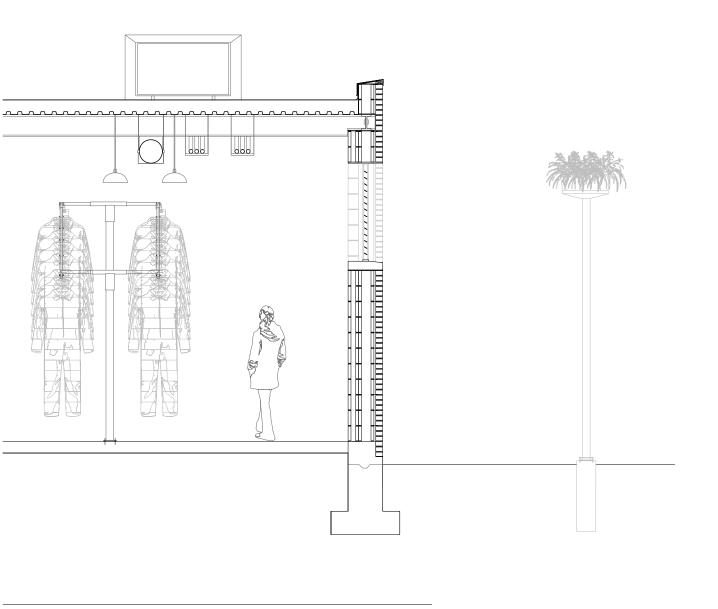


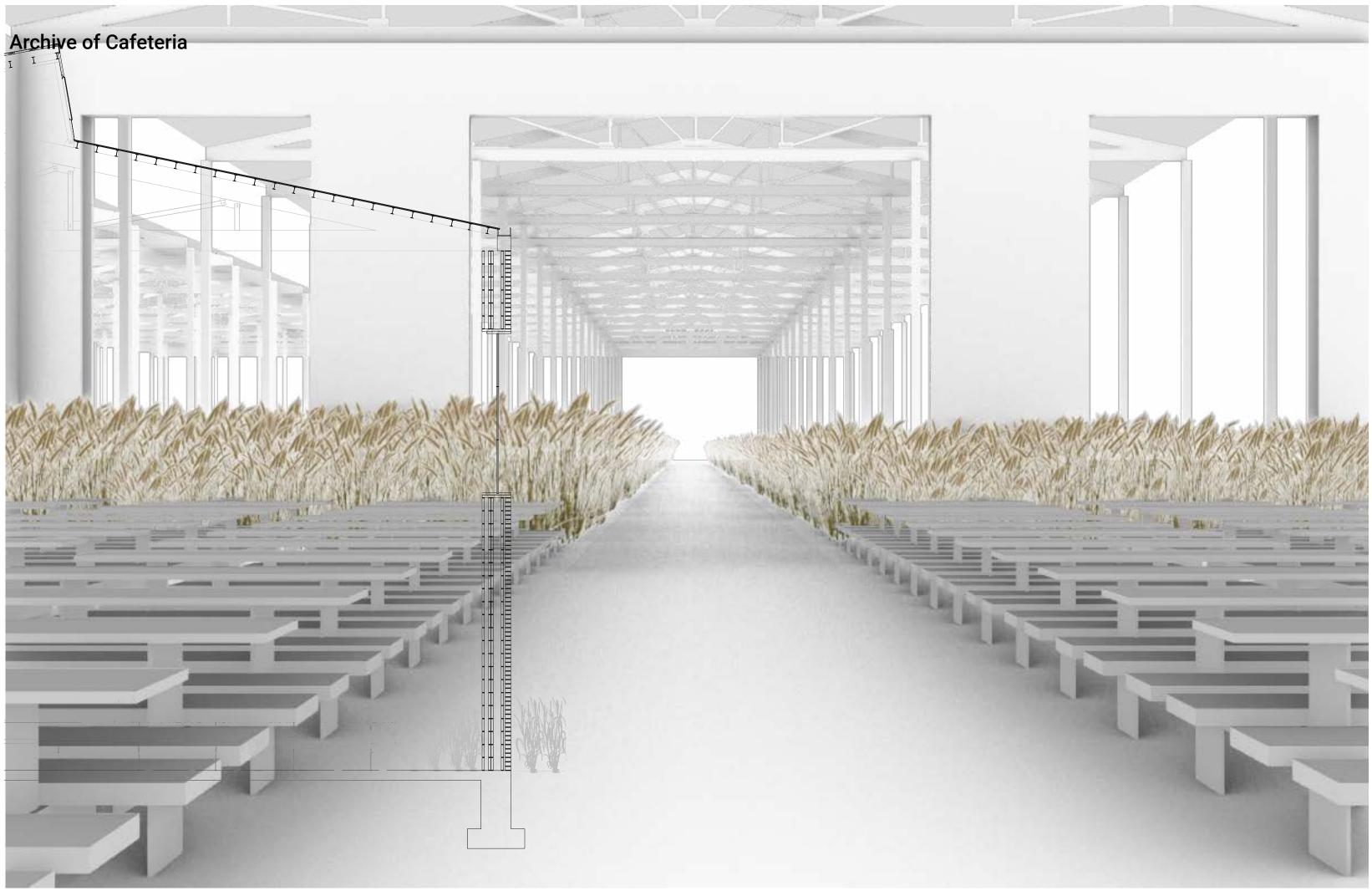
Archive Of Inmates Life



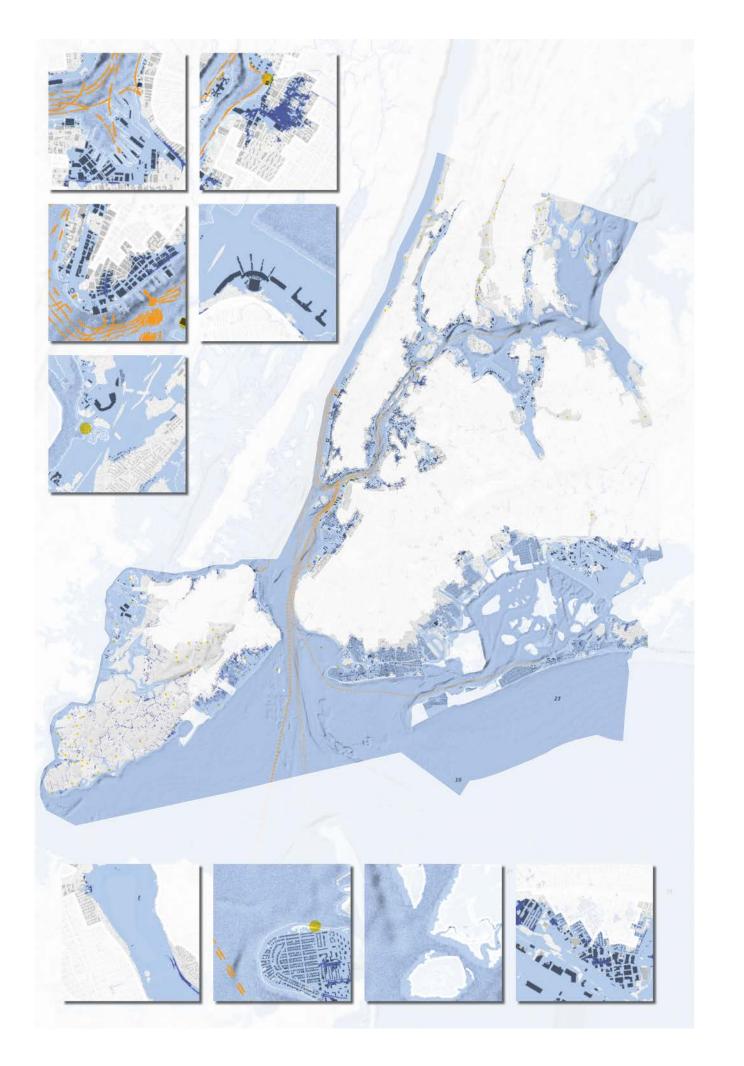


Archive of Laundry Room

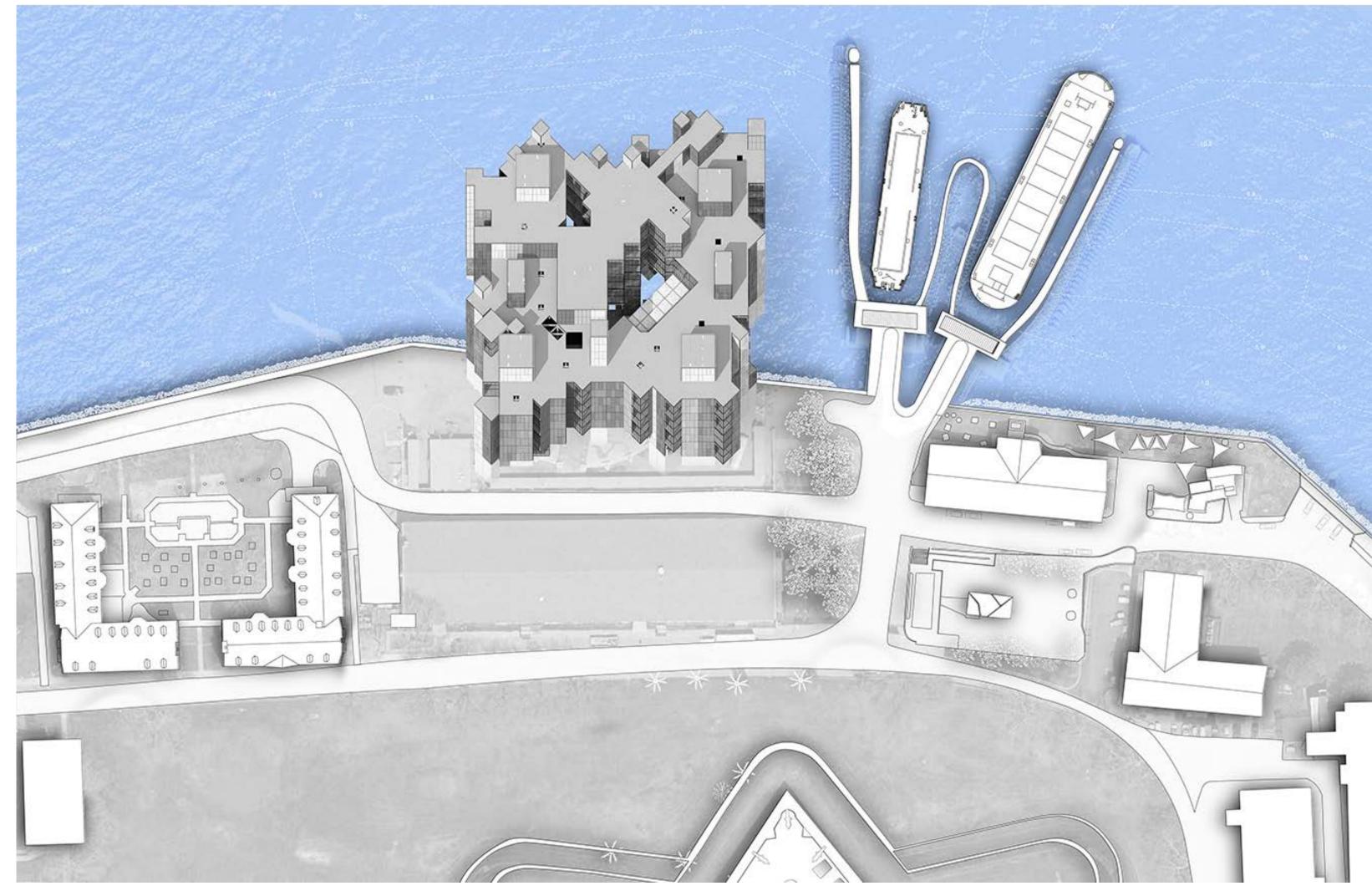


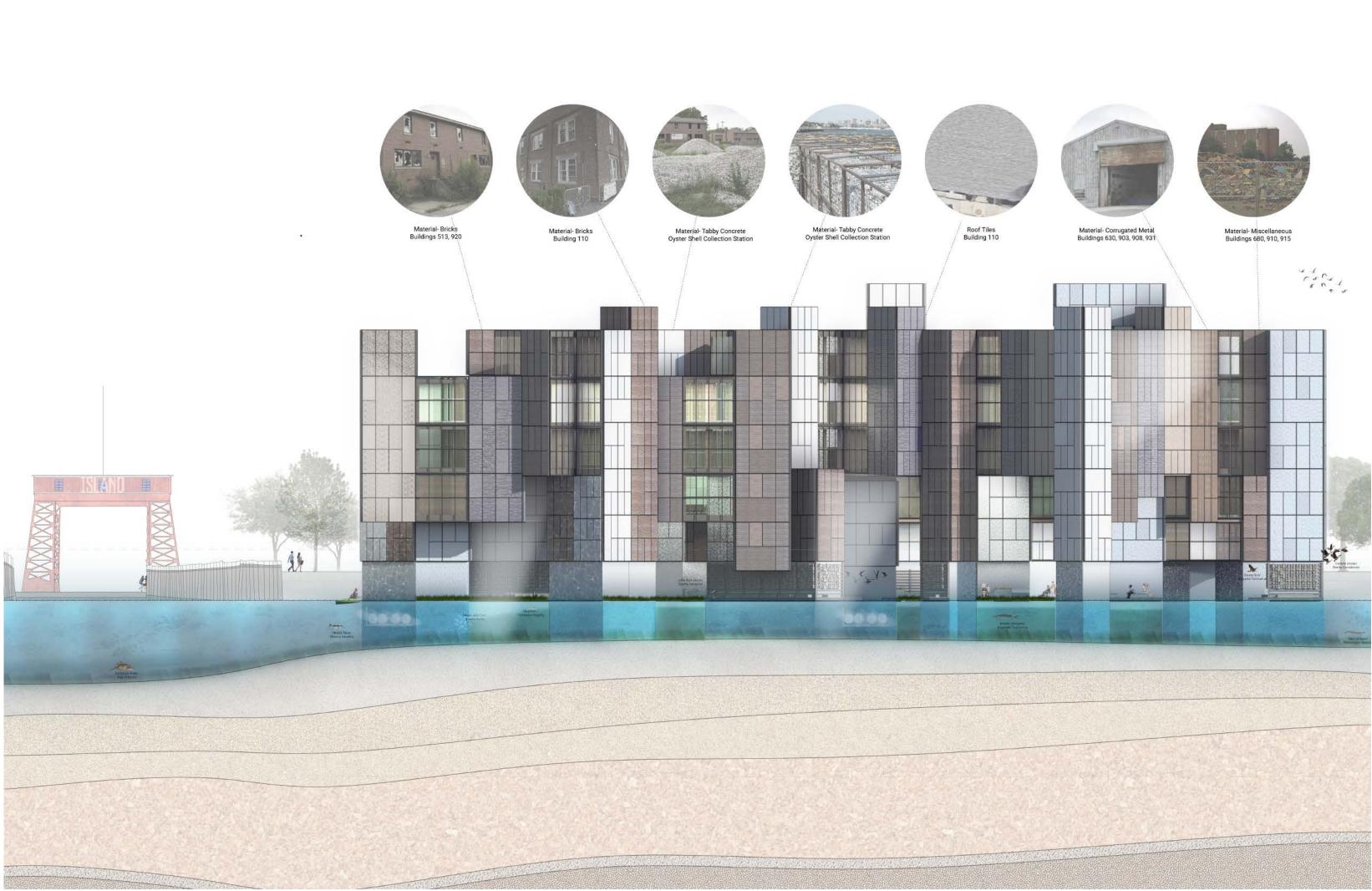




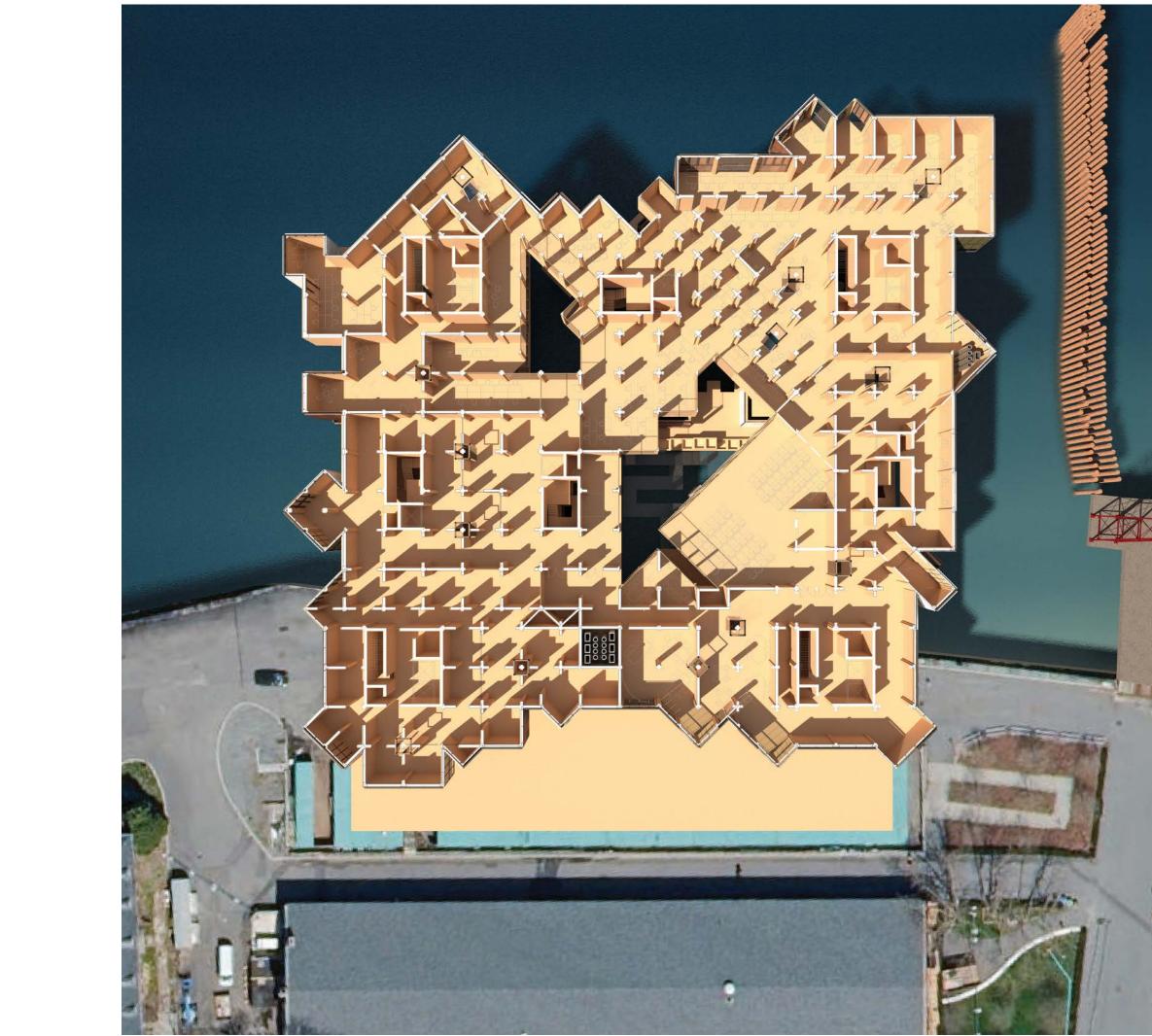


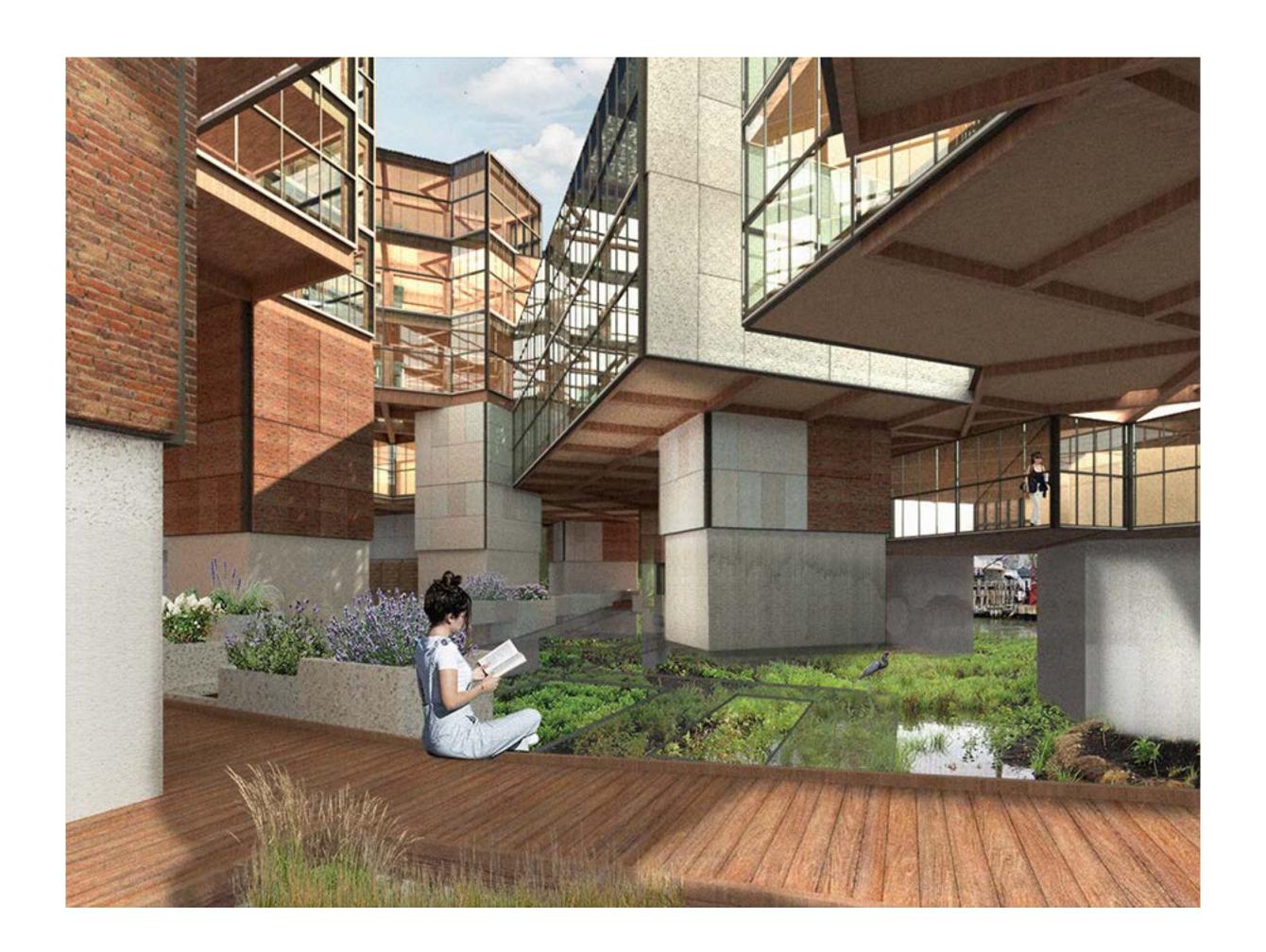






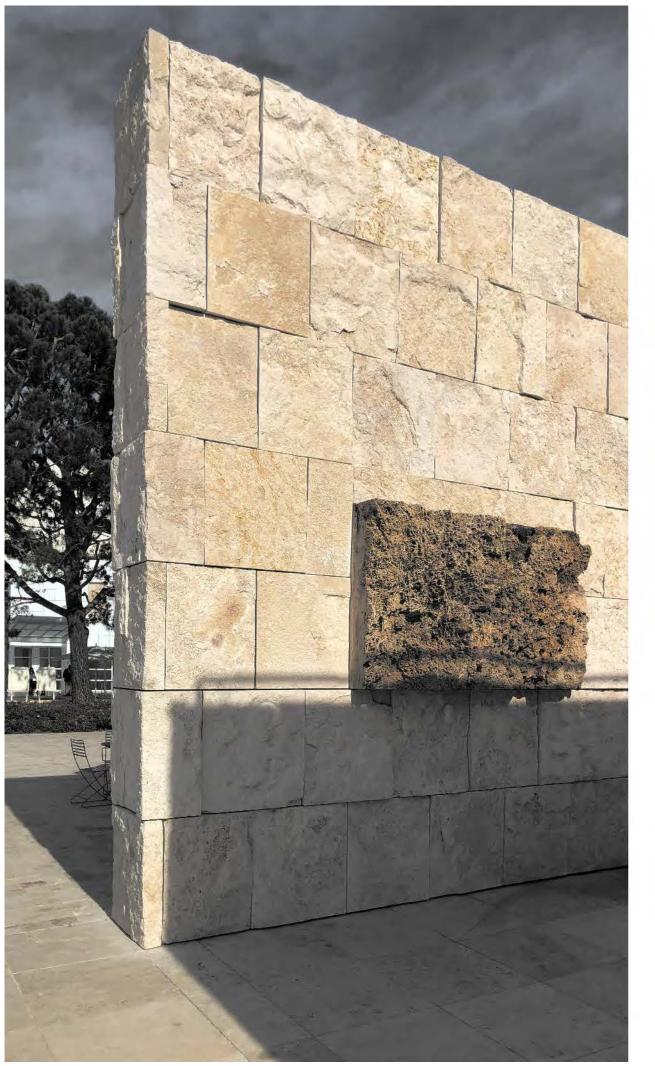






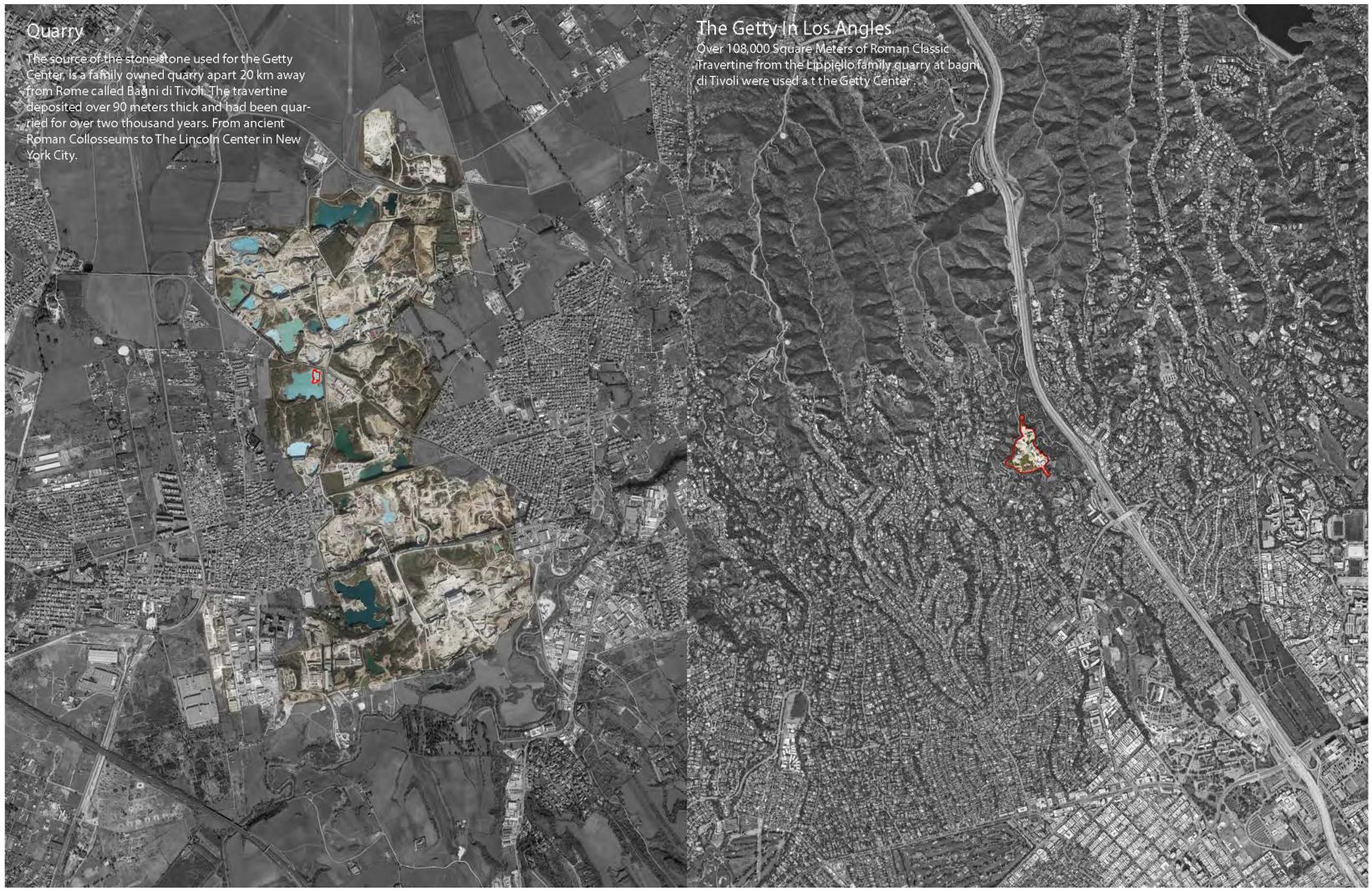






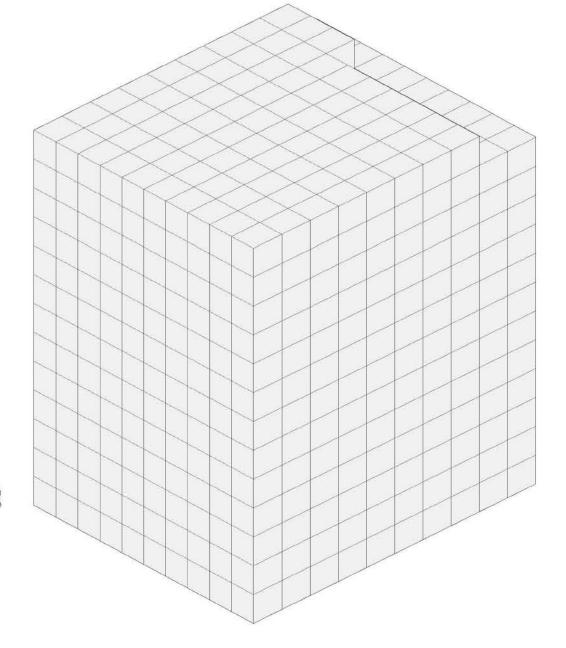
Construction of the travertine tiles of the Getty Museum, LA

The Getty Museum was a 1.3 billion dollar project on a 45 hectare site that took over 14 years to plan and build. One feature of this project is the fossil travertine tiles on the facade that covers significant amount arera of the building facaade. This project aim to trace back the raw material of the travertine tiles and estimate the carbon emission around this sepecfic architectureal element.





Transport distrance for each trip from italy to Los Angles by waterway is 14,975 km. To transporting 145,000 tons of stone. The total CO2 emission was 12215980.68 kg.





Construction

Each travertine tile

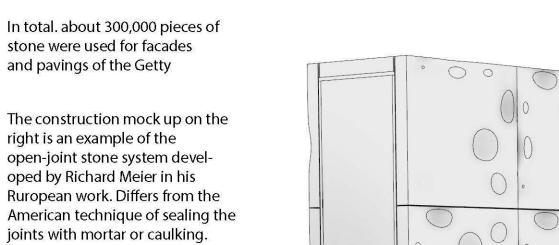
Stainless steel stone anchors

Weight 115 KG

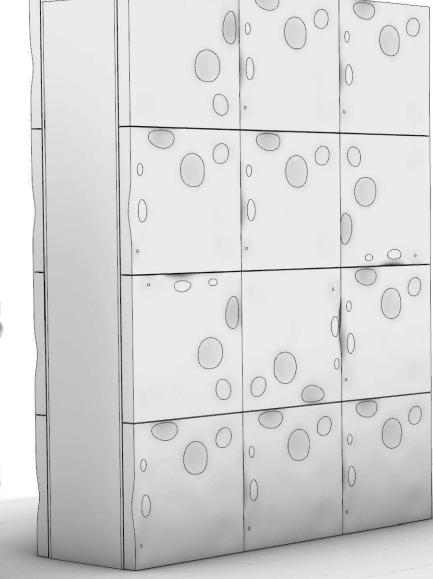
316 stainless steel

76cmm x 76cmx 8 cm

Total 380,000 pieces of stone anchors used



This type of construction allows water drain behind the outer skin.

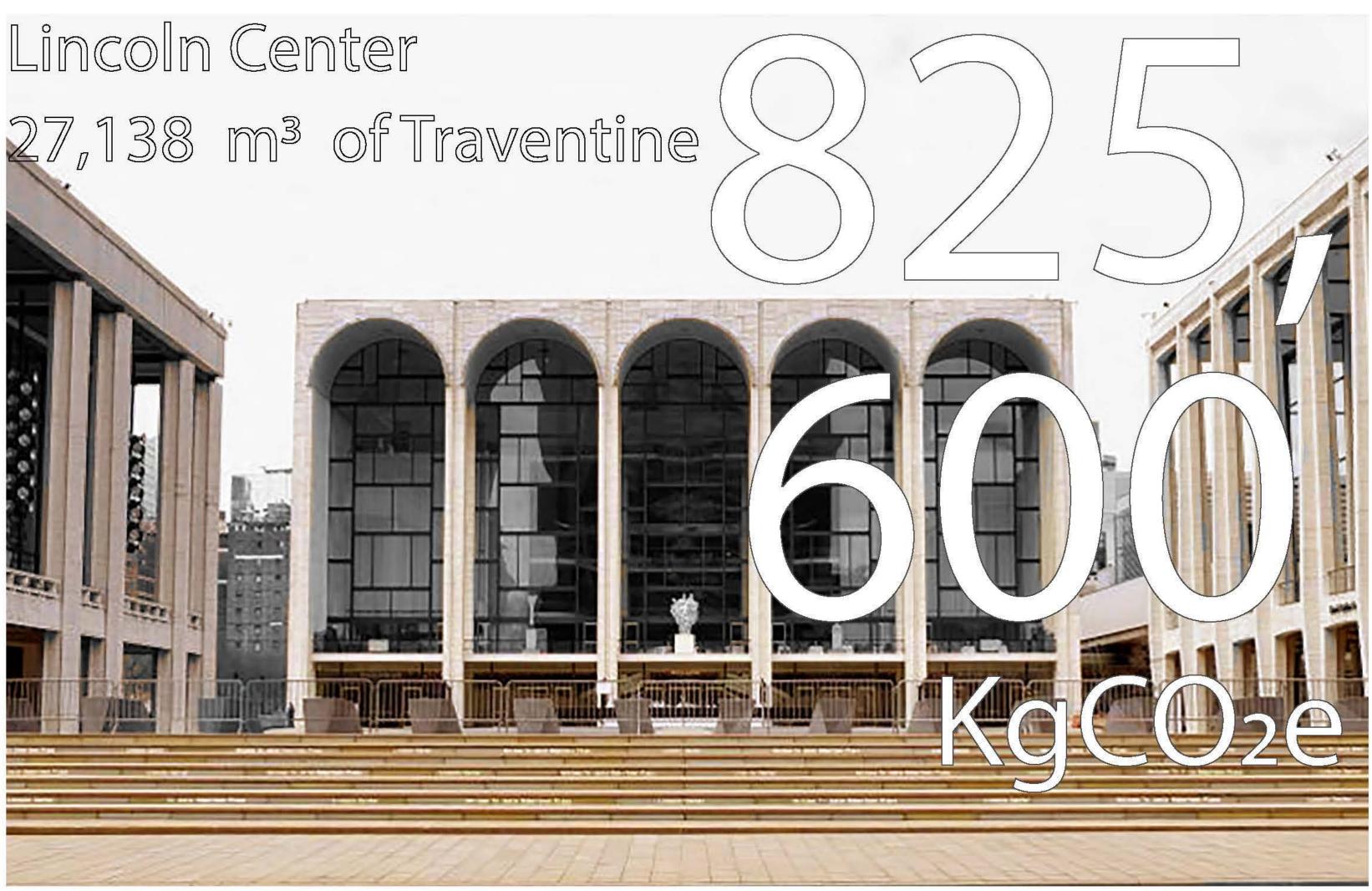


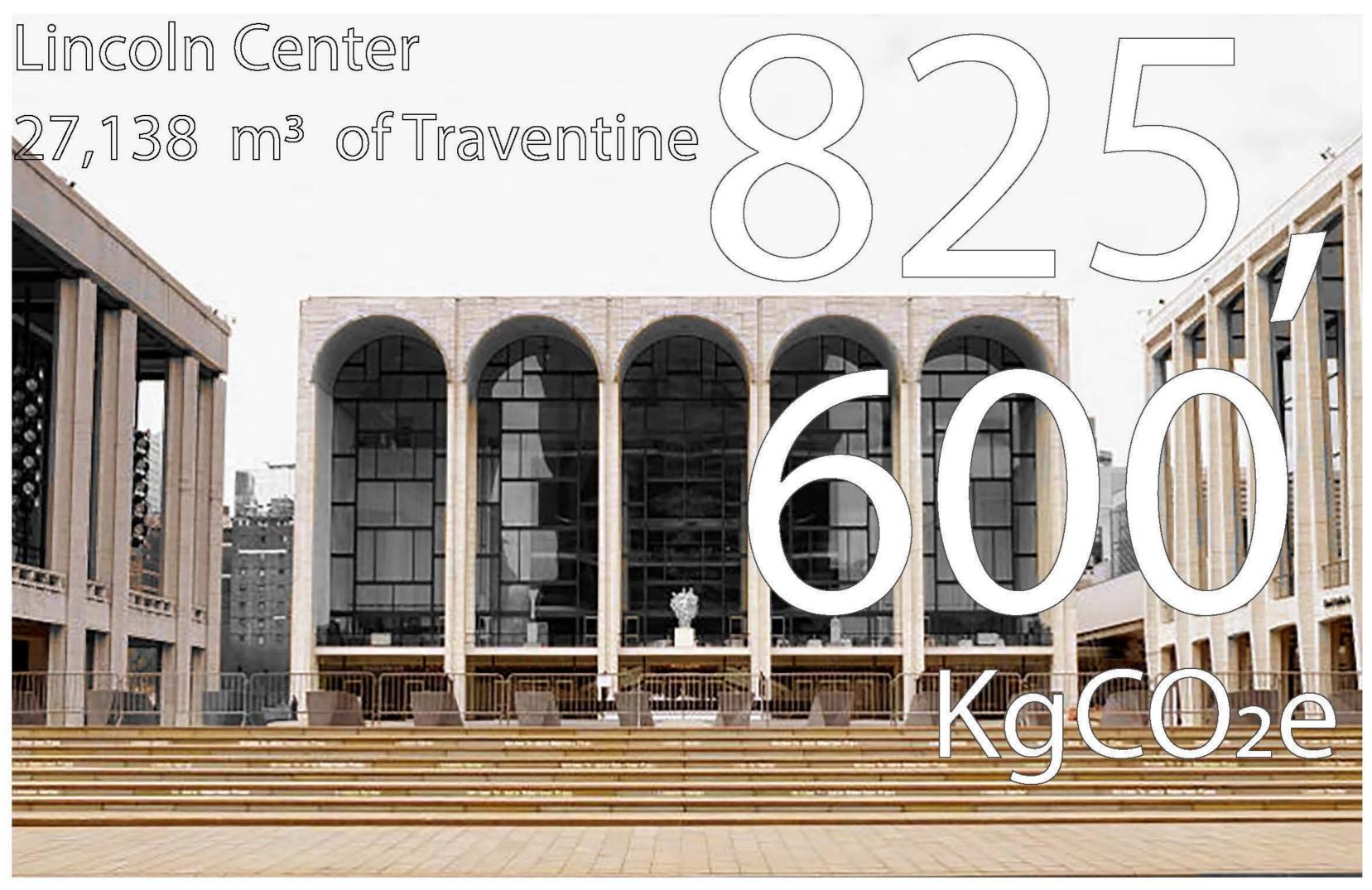
The embedied Cabon of the the stone product itself on the Getty is 110,0000 cubic meter











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