

L I V E L A B S

Erin Biediger
Thom Chiu
Inejomaira Cuevas-Gonzalez
Lihan Jin
Ochuko Okor

Community Research

UPROSE & THE GRID

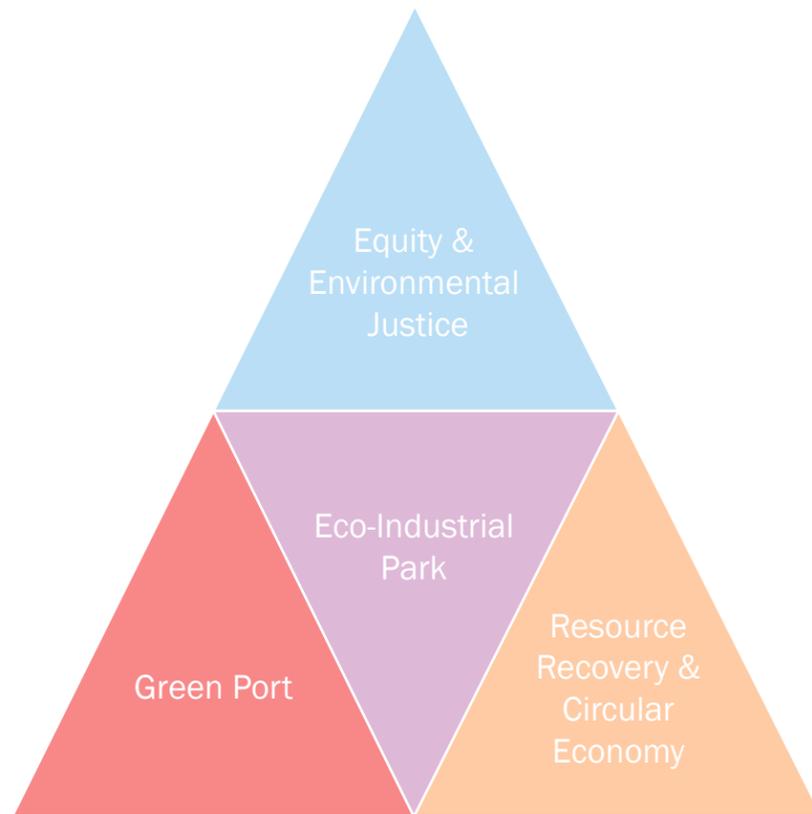


LIVE LABS

“UPROSE promotes *sustainability* and *resiliency* in Brooklyn's Sunset Park neighborhood through community organizing, education, indigenous and youth leadership development, and cultural/artistic expression.”

Green Industrial Resilient District

“A draft alternative planning proposal for Sunset Park ...that looks at the deficiencies of the proposed Industry City rezoning and presents an agenda that seeks to achieve a Just Transition for Sunset Park”

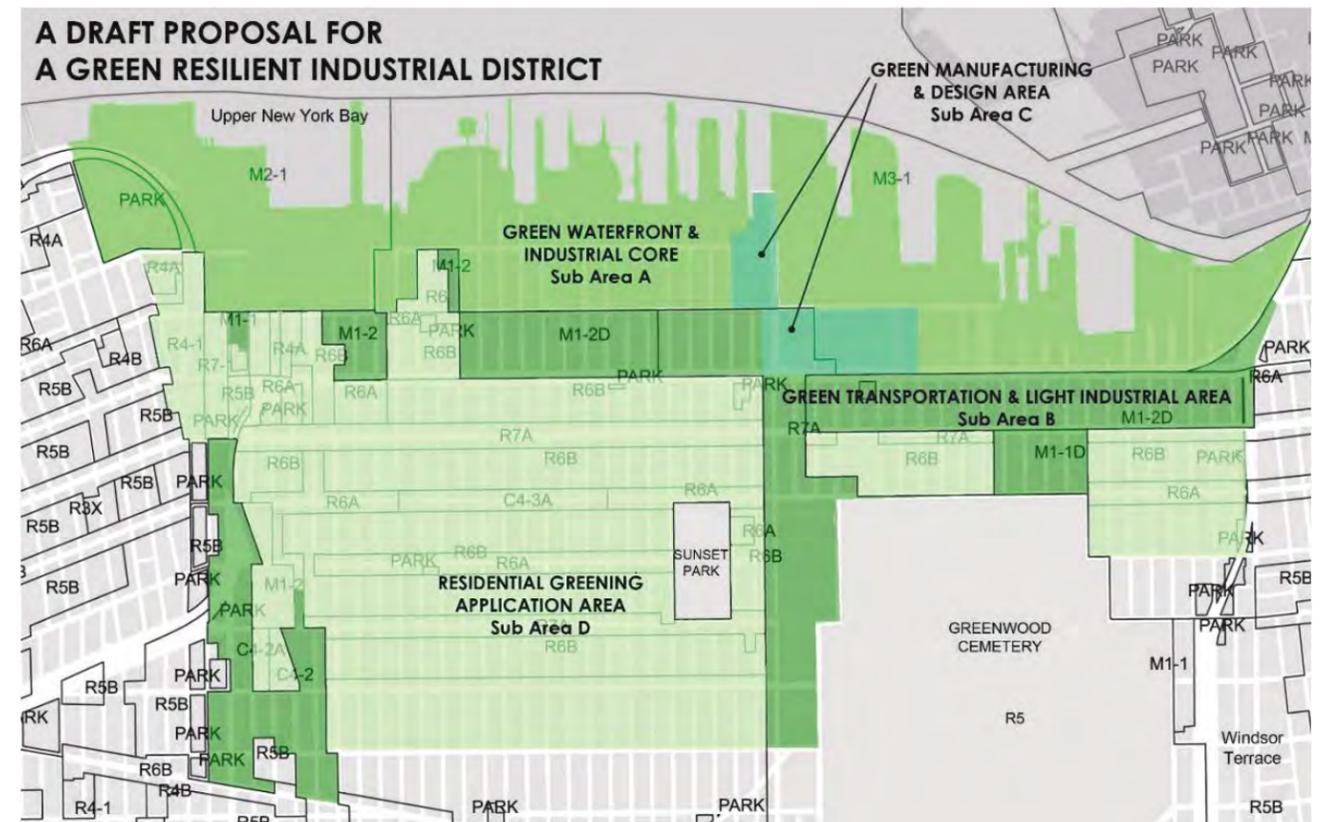


GRID Goals

1. Preserve the industrial character of Sunset Park’s waterfront.
2. Retain and create well-paid working class jobs.
3. Support green industrial innovation.
4. Promote climate resiliency and Just Transition through circular

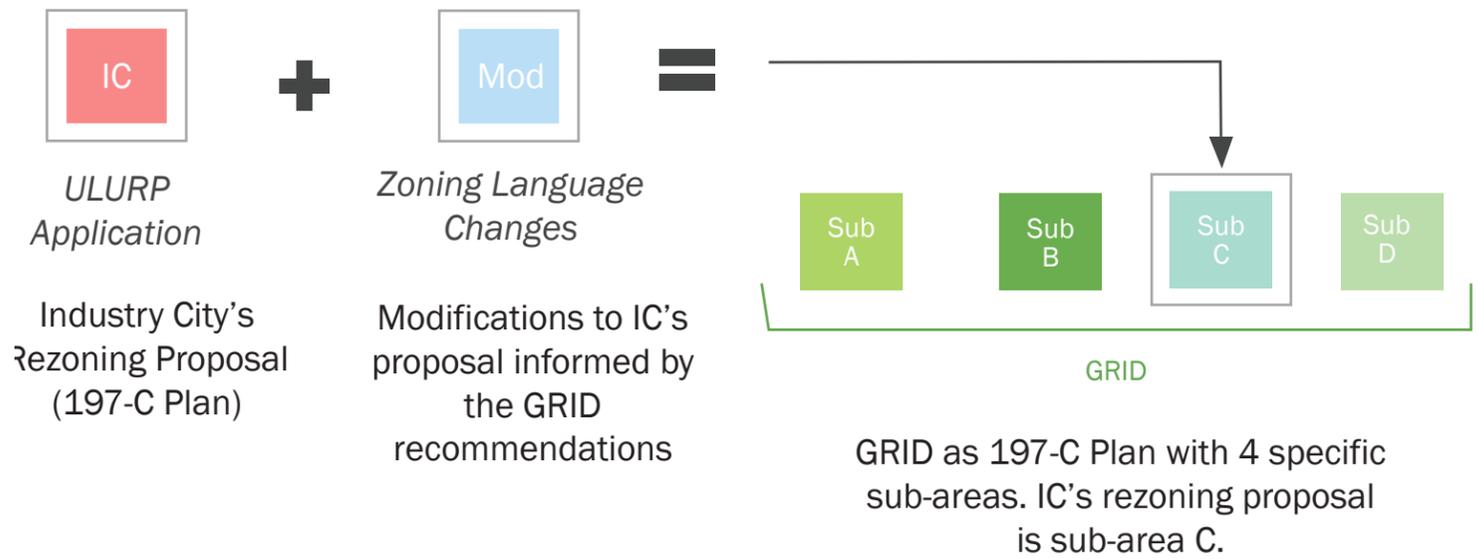


“A green industrial sector that focuses on the *retention and growth of the industrial sector* in Sunset Park can address the two-fold goal of addressing *climate change and promoting quality working class jobs with opportunities for professional advancement.*”



Community Research

UPROSE & THE GRID



Green Resilient Industrial District	Industry City's Rezoning Proposal
<ul style="list-style-type: none"> ● Preserve the industrial character of Sunset Park's waterfront. ● Create professional and trade schools for local climate job training and workforce development in renewable energy, energy efficiency retrofit, and green manufacturing ● Ensure local job and funding benefits from city and state climate policies ● Make manufacturing the principle or "main" use and only allow office and retail and accessory, or "complementary" use with size restrictions ● Outlines how to use the industrial sector as the economic engine to build for climate adaptation and mitigation ● Pilots and operationalizes climate policies, programs, and plans to maximize economic, 	<ul style="list-style-type: none"> ● 900,000 square feet of new luxury and big box retail space ● 625,000 square feet for a new high school located in the floodzone and brownfield area ● 2 new hotels with 420 rooms to make Industry City a "tourist destination" ● Unlimited development of retail and office that will push out manufacturing businesses ● Does not integrate climate adaptation or mitigation strategies and increases risk and vulnerability for the Sunset Park community ● Is inconsistent with city, state, and national climate policies and mandates that aims to preserve the industrial sector, develop

Our Insights

- Provide more and Retain Manufacturing/ Industrial Jobs
- Create Sustainability Opportunities For Energy and Jobs
- Create A Center That Resonates With The People

Population Data

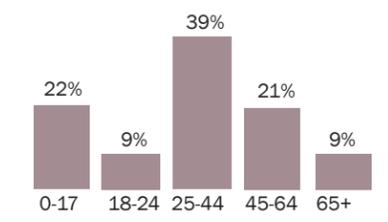
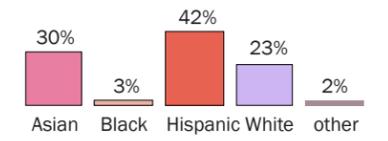
RACE + ETHNICITY



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132,721
people



KEY

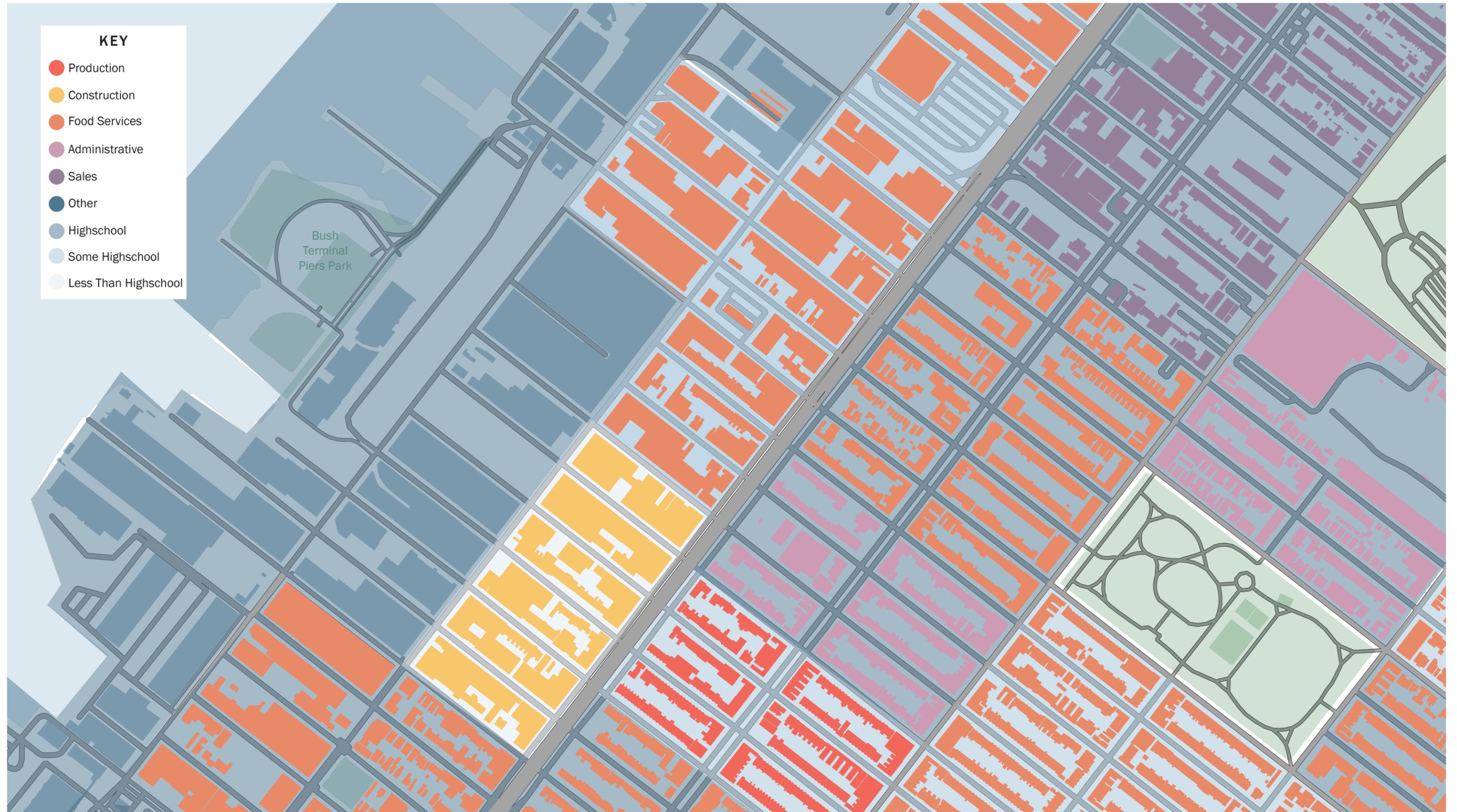
- Black
- Hispanic
- Asian
- White
- one dot = 120 people

Employment and Education

Most common level of education and occupation amongst people age 25 and older



LIVE LABS

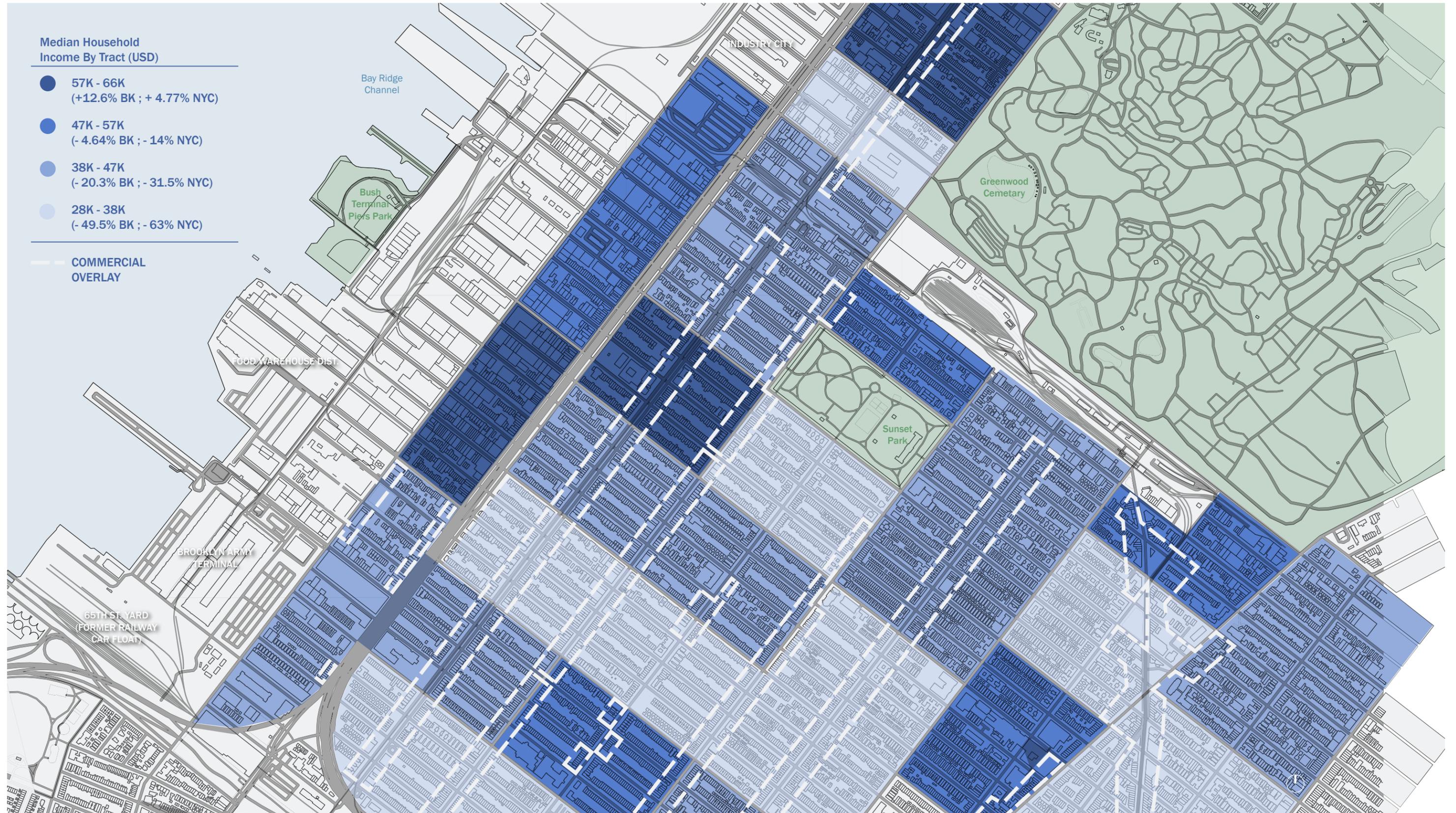


ECONOMY OF SUNSET PARK

INCOME AND COMMERCIAL OVERLAYS



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Transportation

PUBLIC AND FREIGHT TRANSPORTATION



FEMA FLOOD ZONES

SITE SCALE



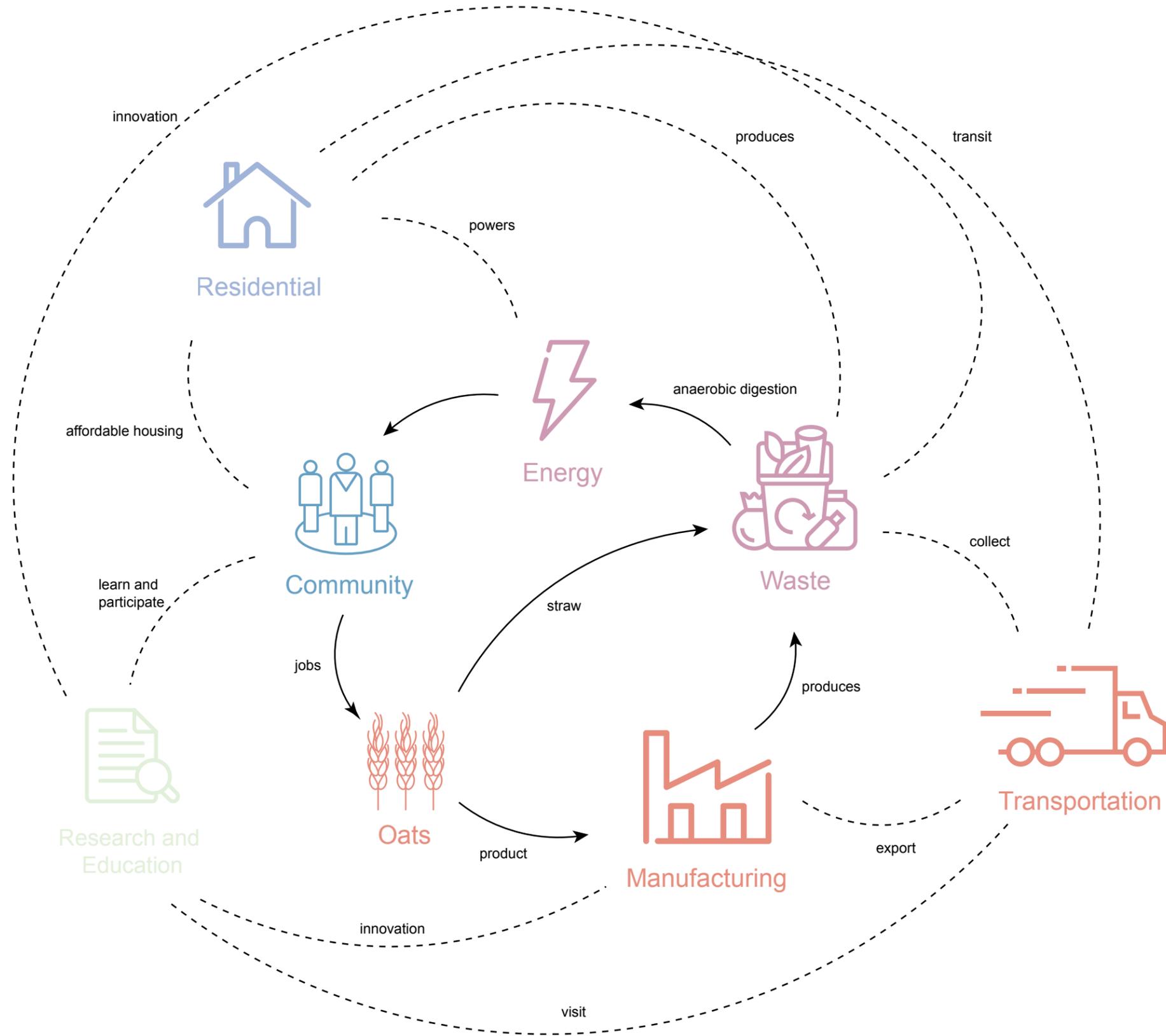
LIVE LABS



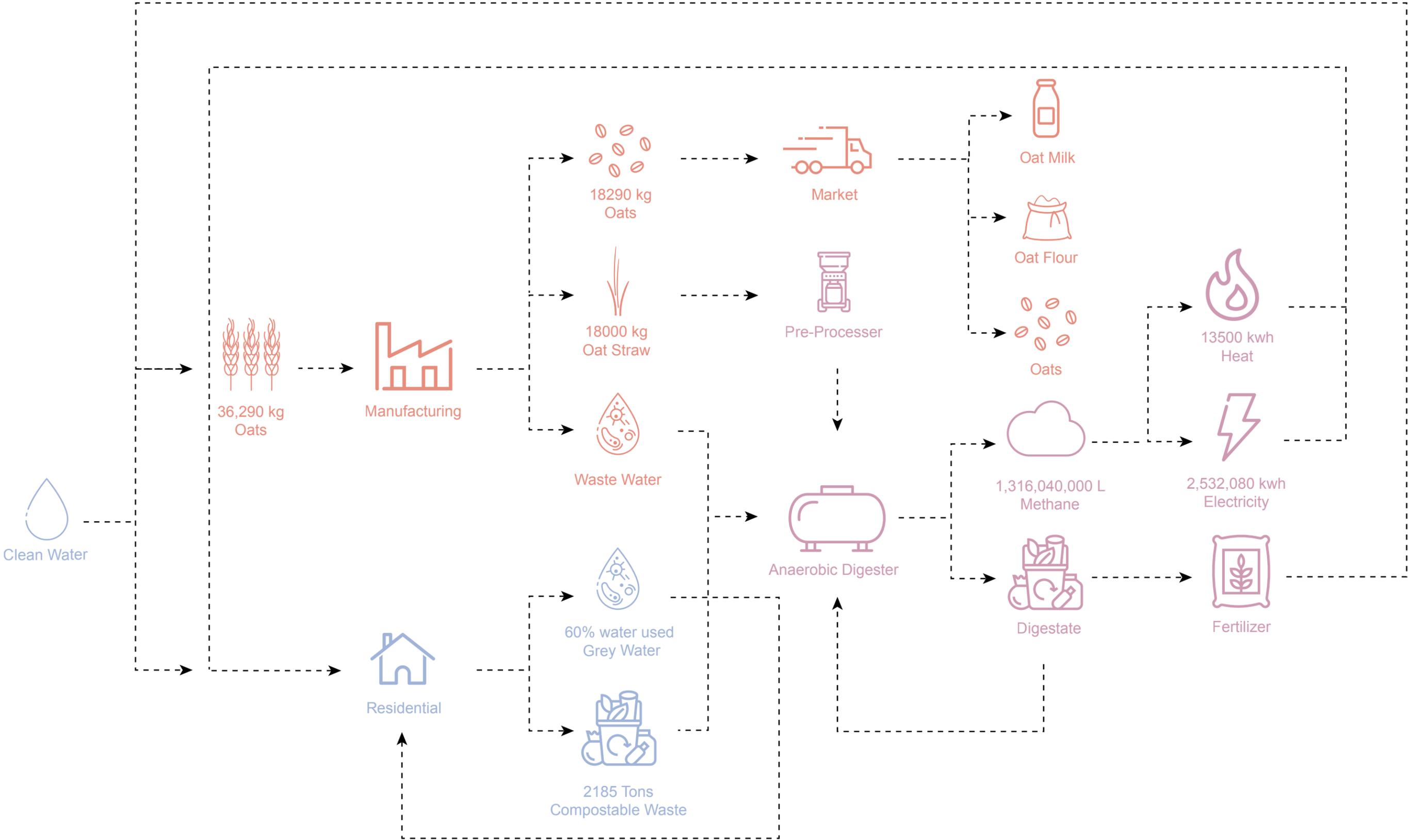
KEY

- High Risk
- Moderate-High Risk
- Moderate Risk

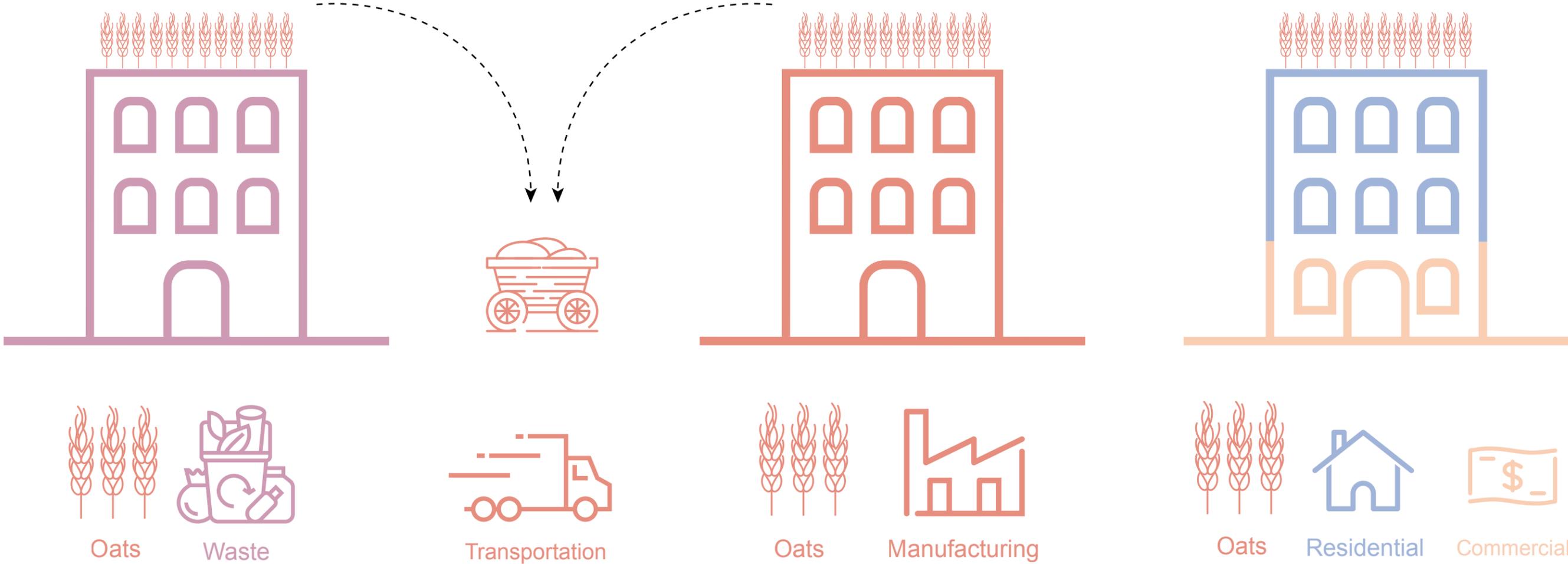
Programmatic Relationships



Systematic Relationships



Sectional Programmatic Relationships



PROGRAM BREAKDOWN

Square Footages & Occupancy



LIVE LABS							
Research Center Program Draft							
Research Center Program	# of Half Blocks	Gross Area (sf)	Efficiency (%)	Net Area (sf)	Occupancy (sf/ perso)	Total Occupancy	Gross in Model
Buildings:							
Commercial Office/ Industrial	6	1,050,000	60	630,000	100	10,500	1080,000 (360K X 3)
Residential	2	600,000	60	360,000	200	3,000	774,000 (258K X 3)
Educational	2	750,000	67	502,500	20	25,125	860,000 (172K X 5)
Retail	1.25	450,000	70	315,000	60	7,500	460,000
Parking	1	150,000	75	112,500	200	750	98,000
Outdoor Space:							
Public Open Space	TBD						
Esplanade/ Waterfront	TBD						
Notes:							
Educational Occupancy: 20 net							

SITE PLAN

Schematic



LIVE LABS

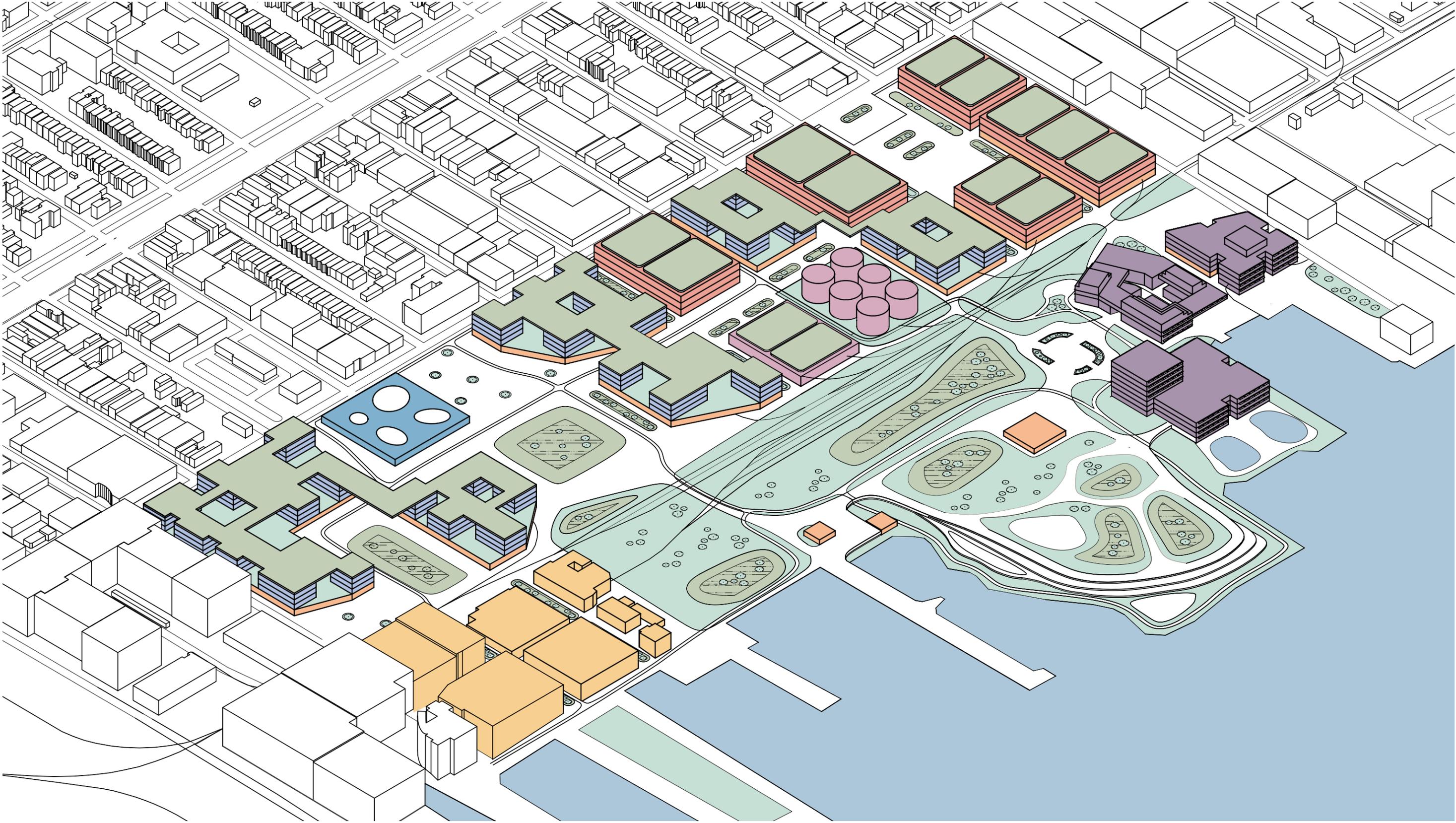


Site Isometric

Building Program



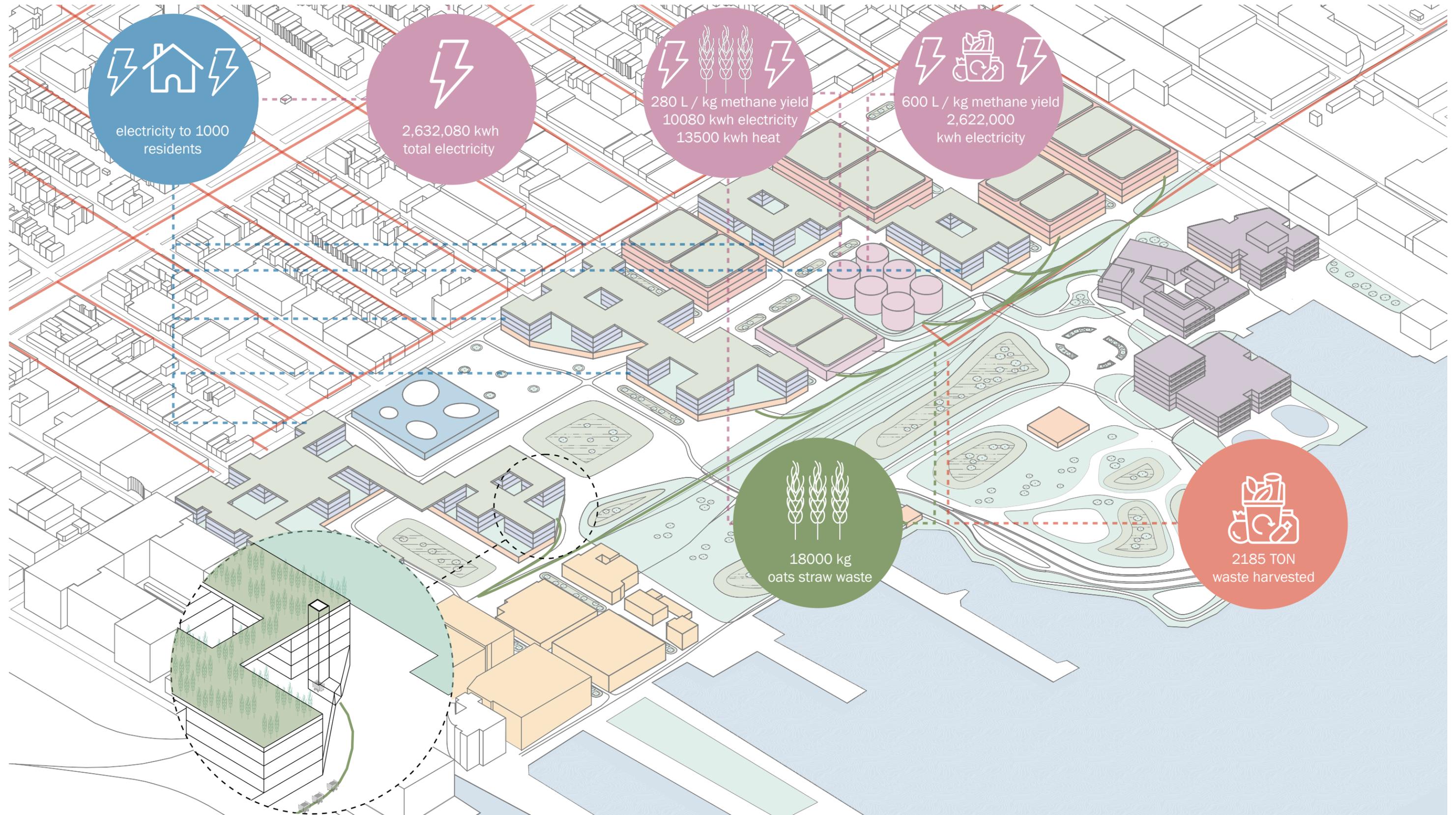
LIVE LABS

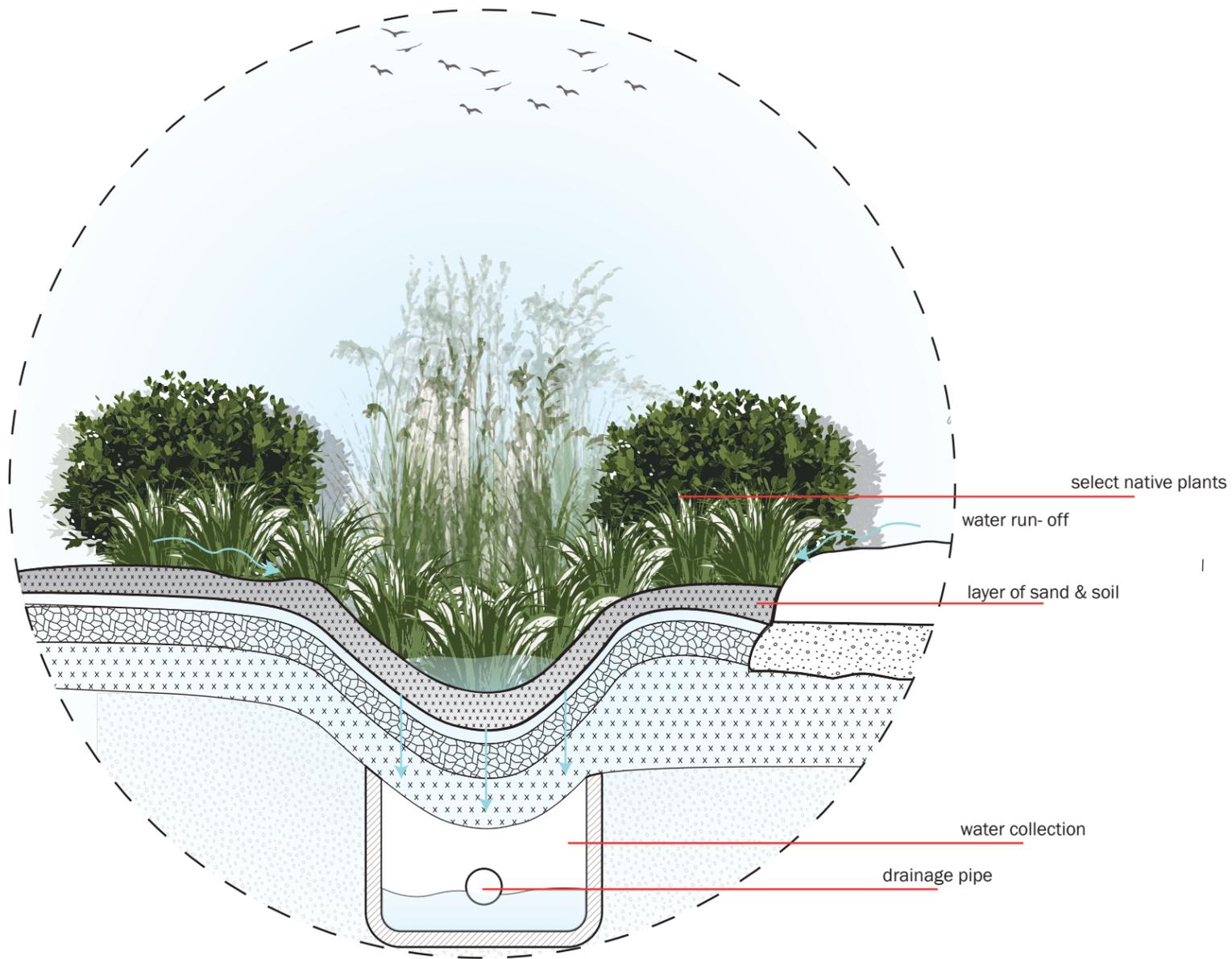


Site Energy Production and Distribution



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Bioswale Along Main Axis



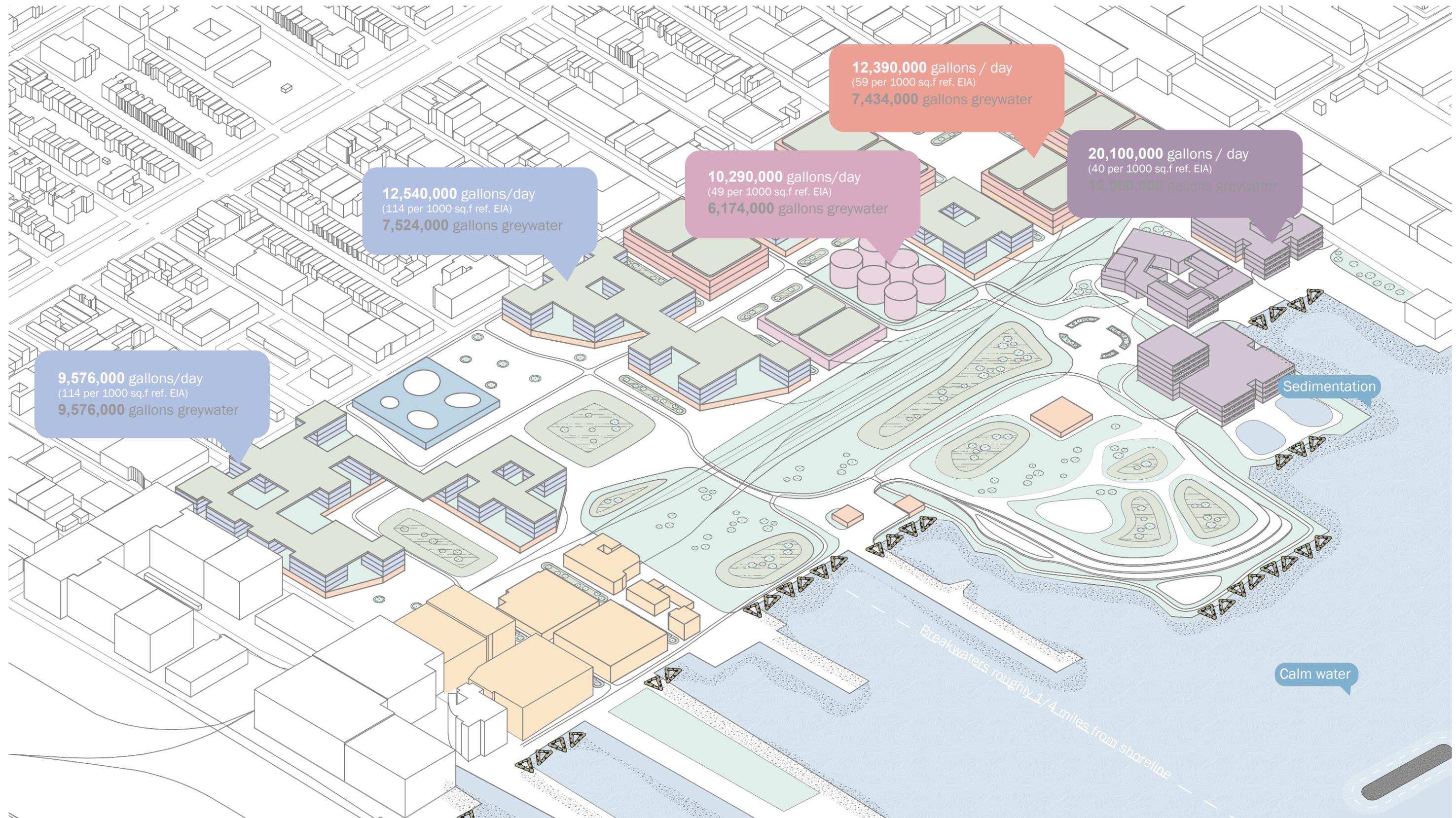
Scape's Living Breakwaters

Site Water Diagram

Gallons of clean and grey water per day per building program and waterfront design



LIVE LABS

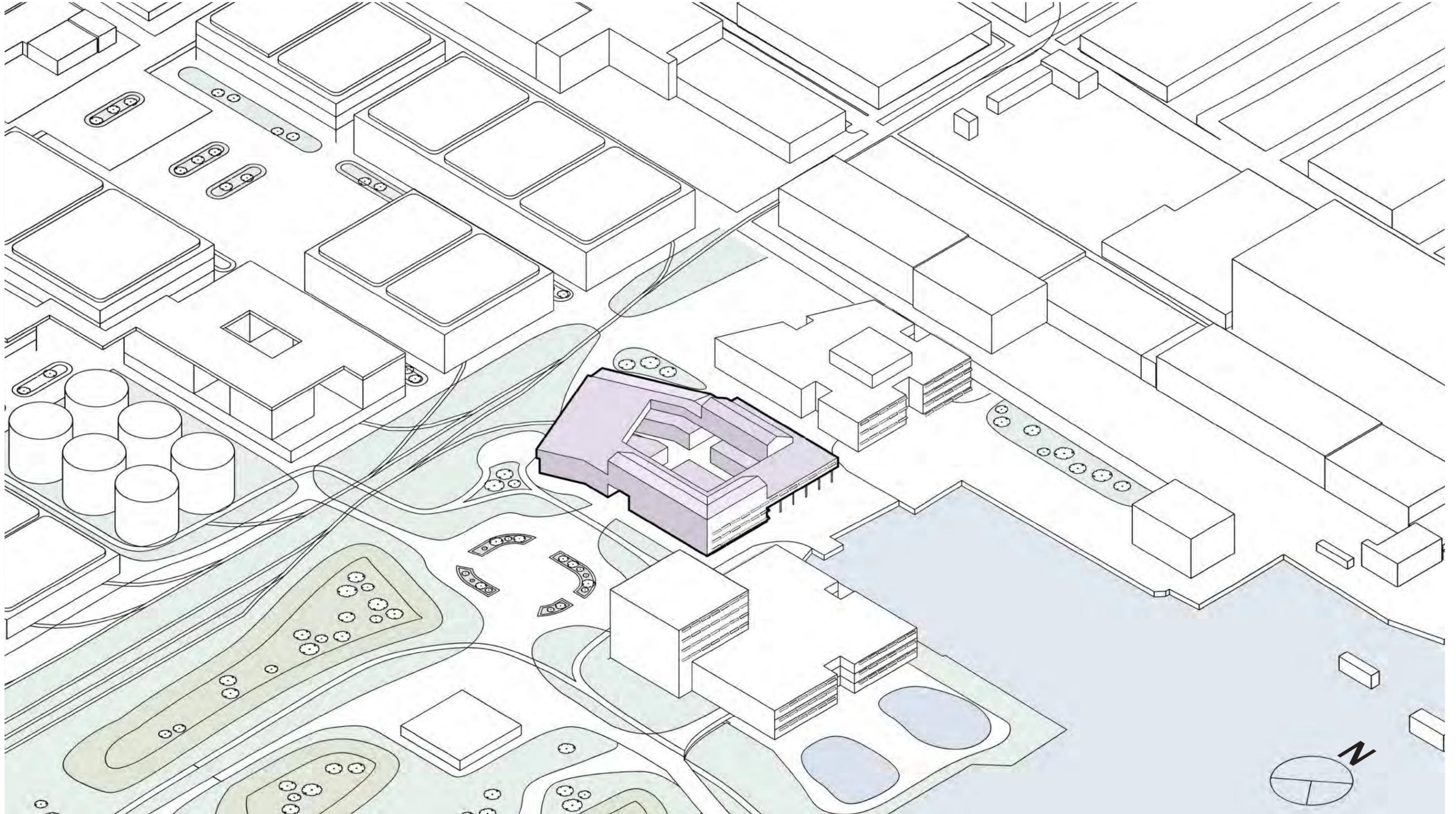


Education Building

Site Isometric



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Site Plan - Ground Level



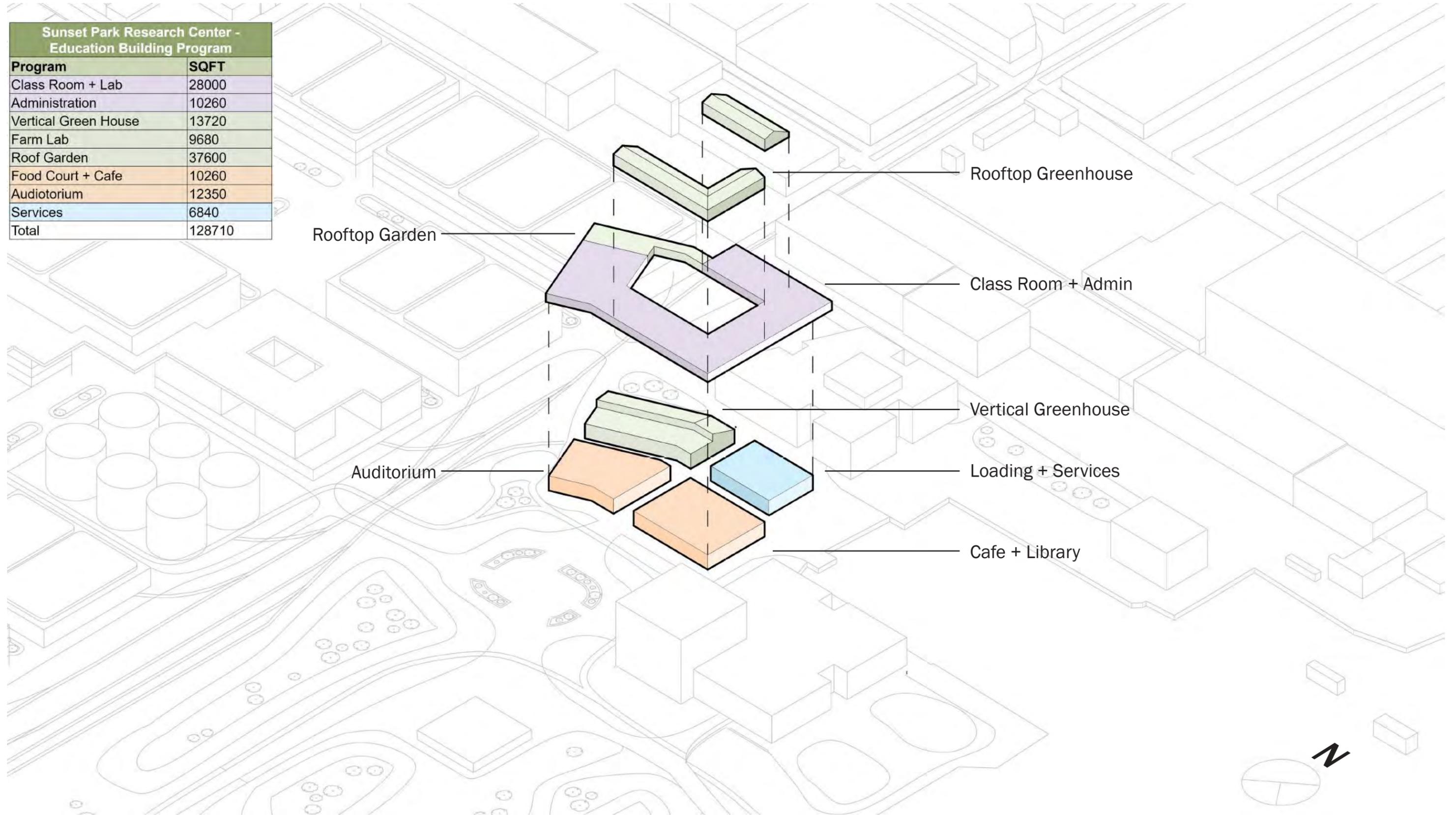
Program Massing

Exploded Diagram



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Sunset Park Research Center - Education Building Program	
Program	SQFT
Class Room + Lab	28000
Administration	10260
Vertical Green House	13720
Farm Lab	9680
Roof Garden	37600
Food Court + Cafe	10260
Auditorium	12350
Services	6840
Total	128710

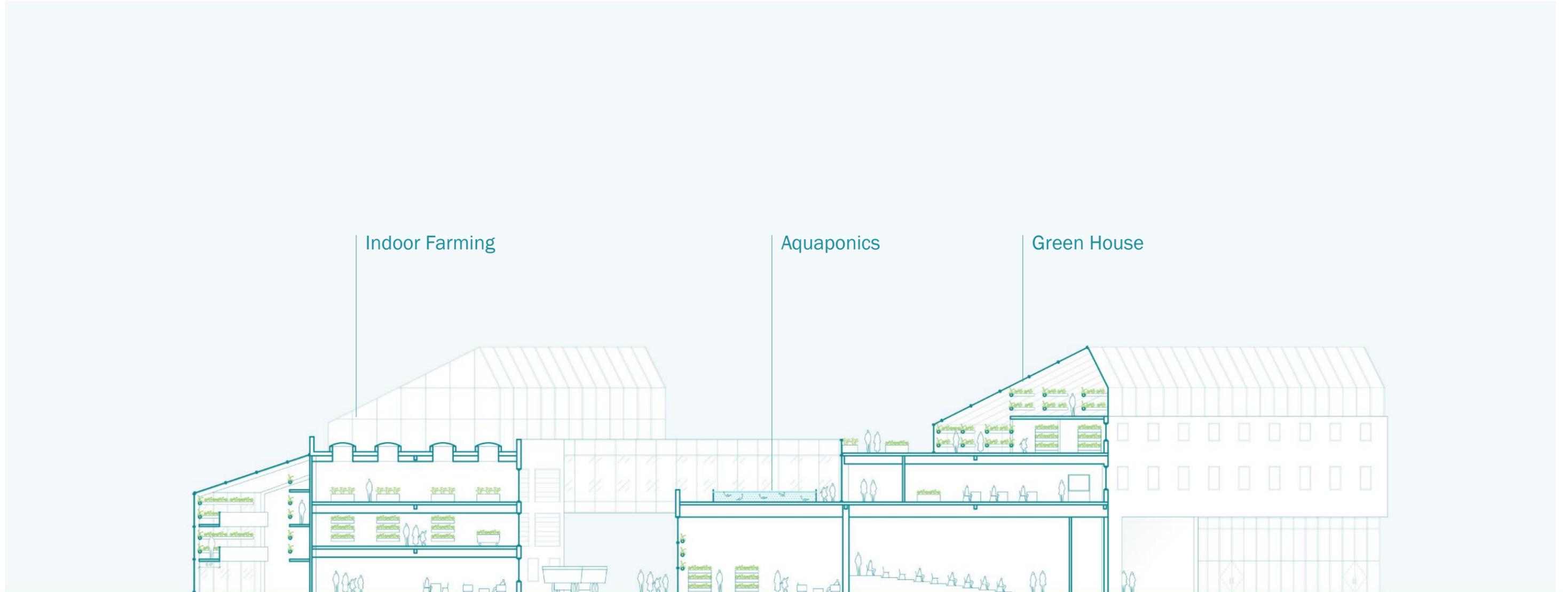


Building Section

Section Looking West



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Indoor Farming

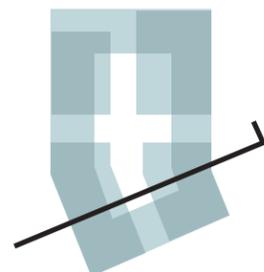
Aquaponics

Green House

Vertical Garden

Auditorium

To Plaza

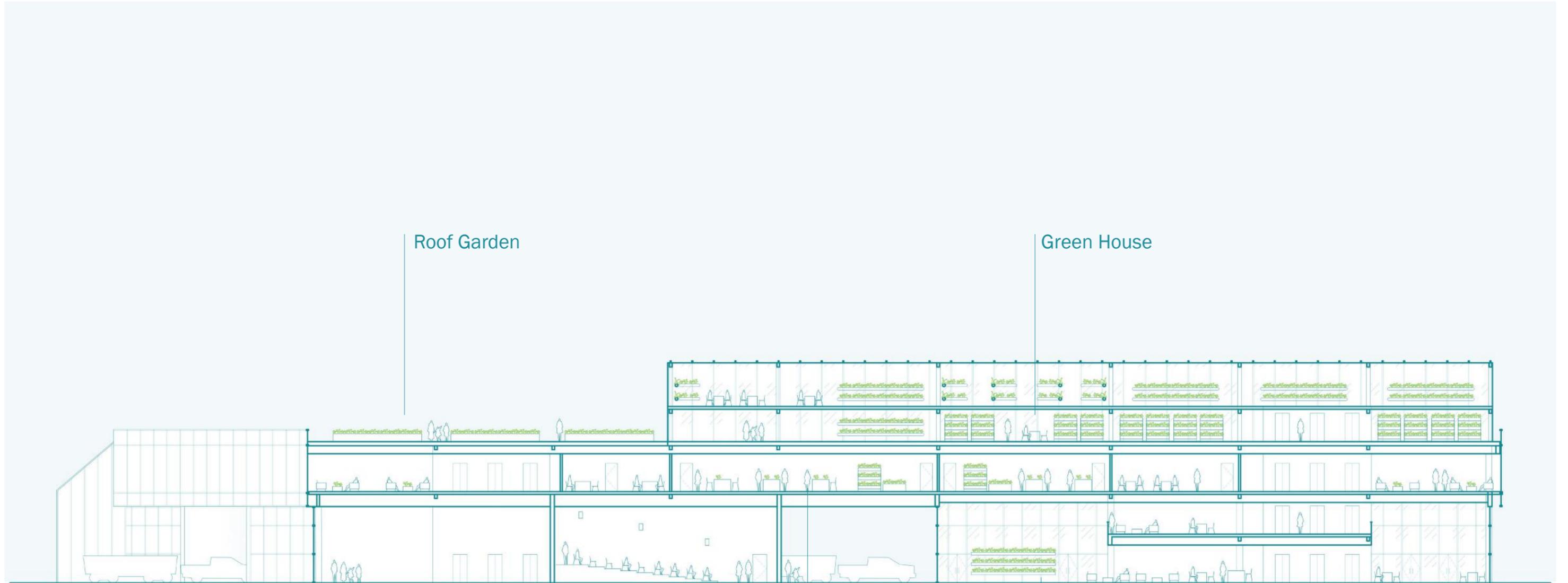


Building Section

Section Looking South



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1st Ave.

Lobby

Auditorium

Lab

Cafe

Water Front



Building Scale Mobility



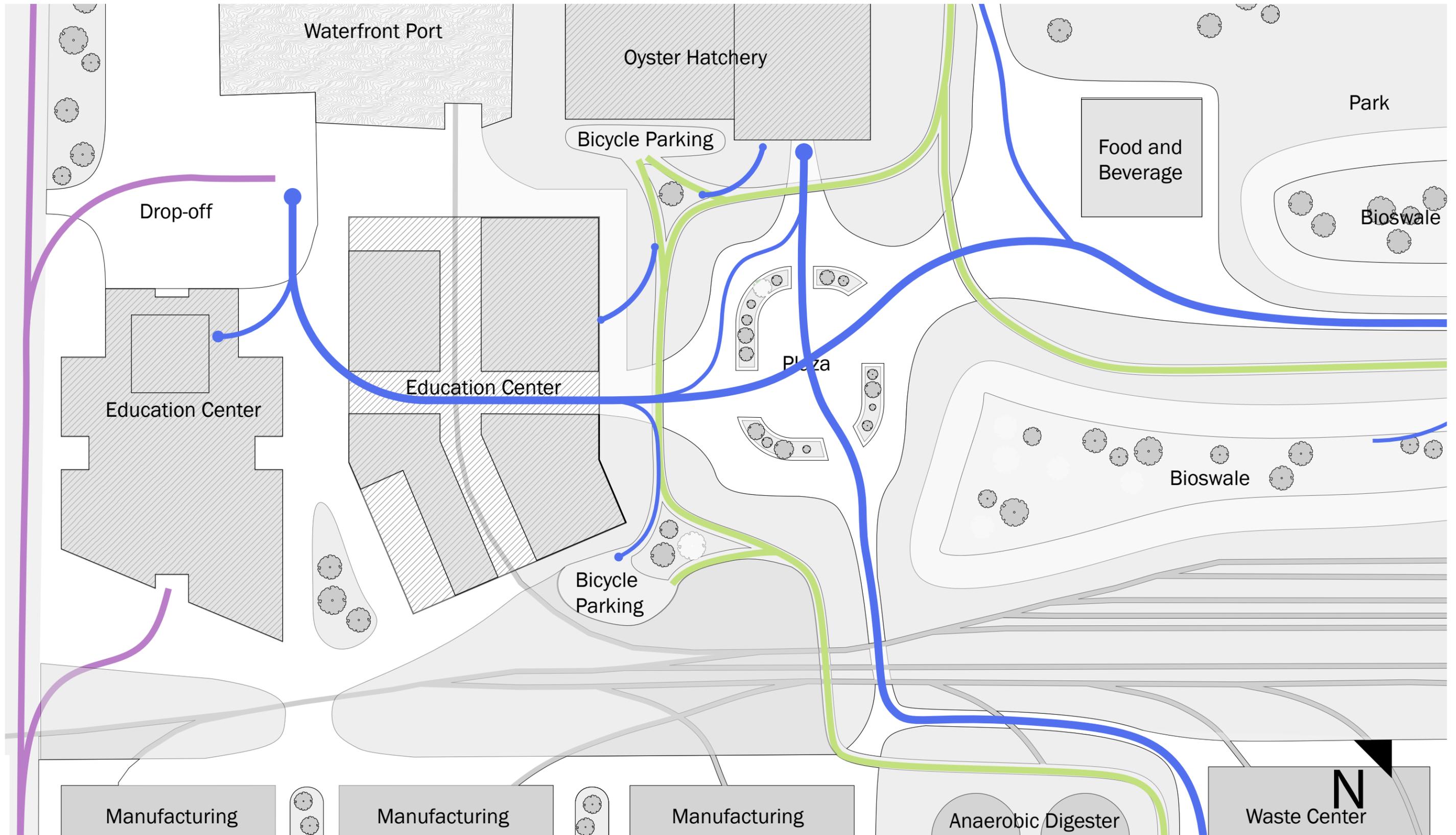
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Building Scale Mobility



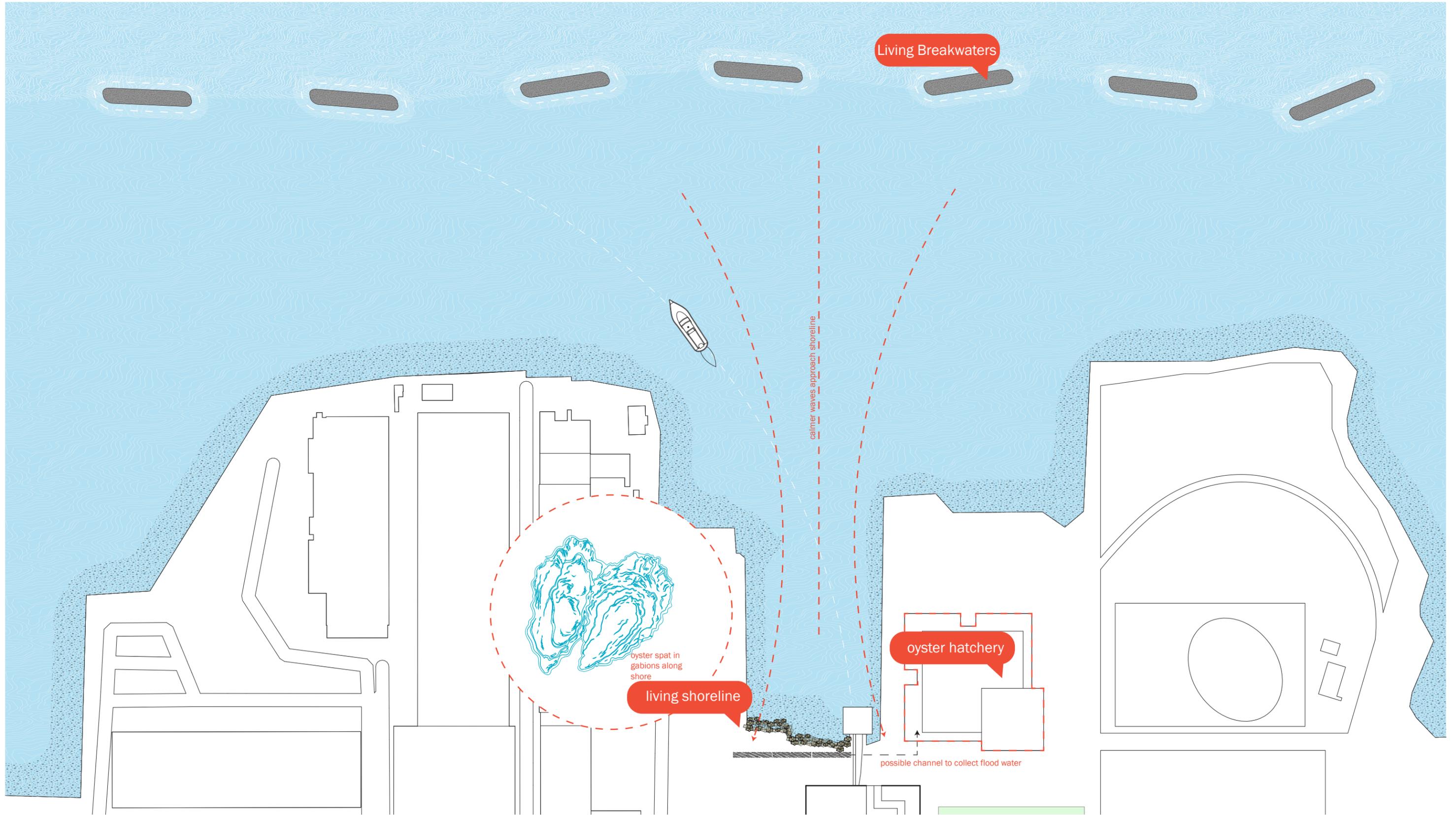
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WATER FRONT



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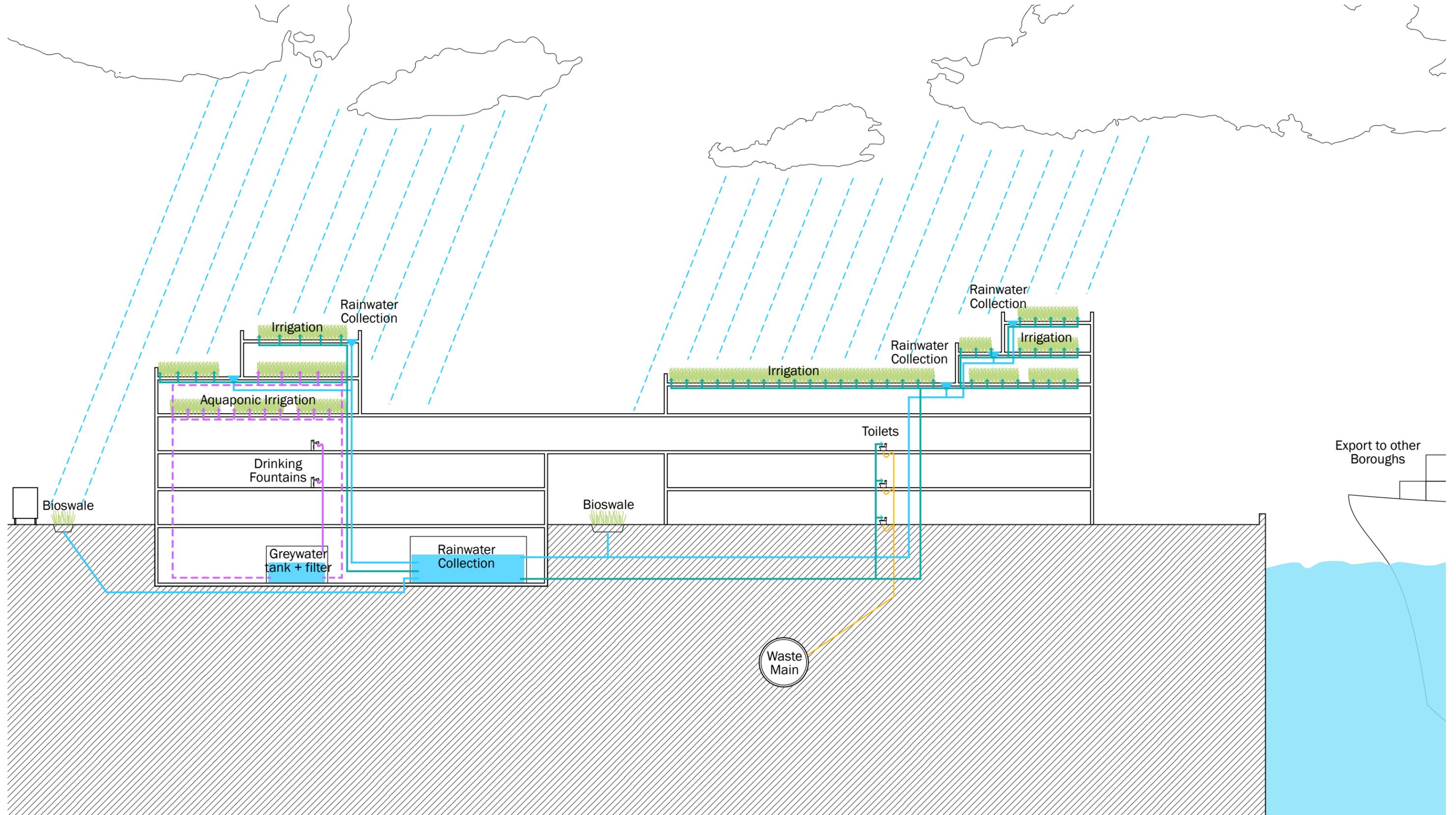


WATER MOVEMENT

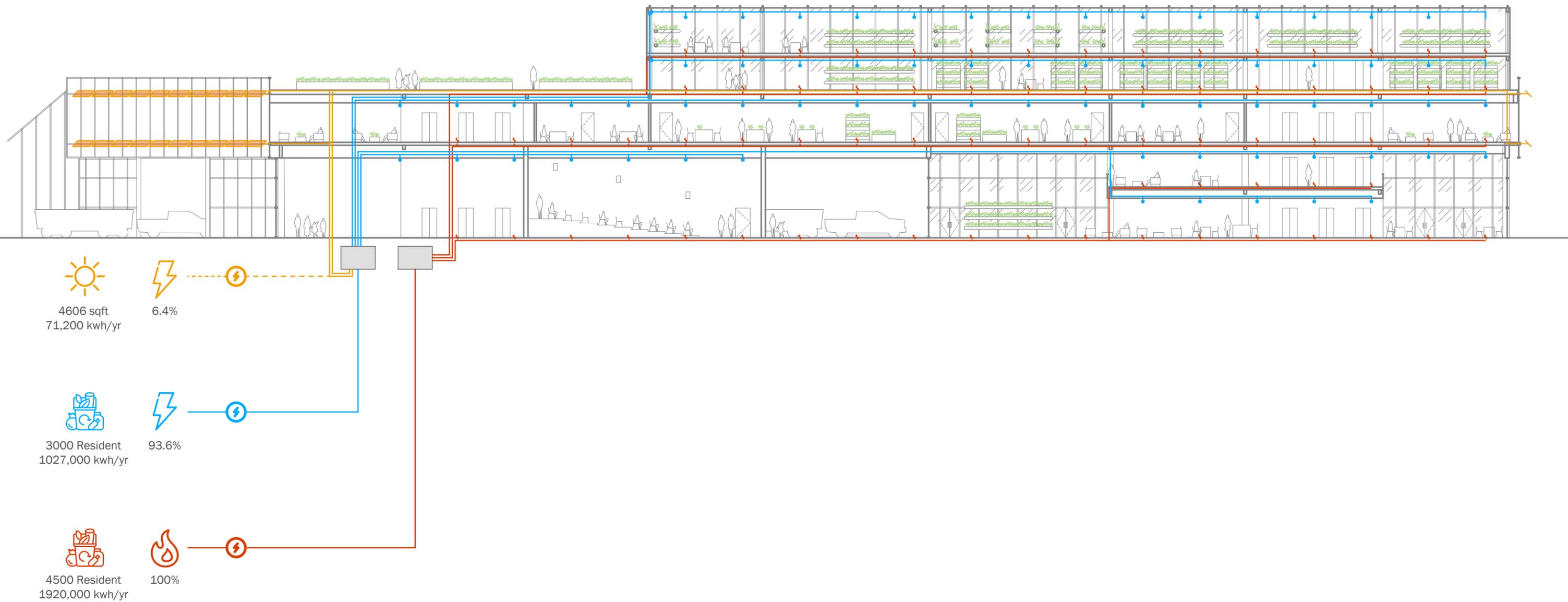
Building Scale



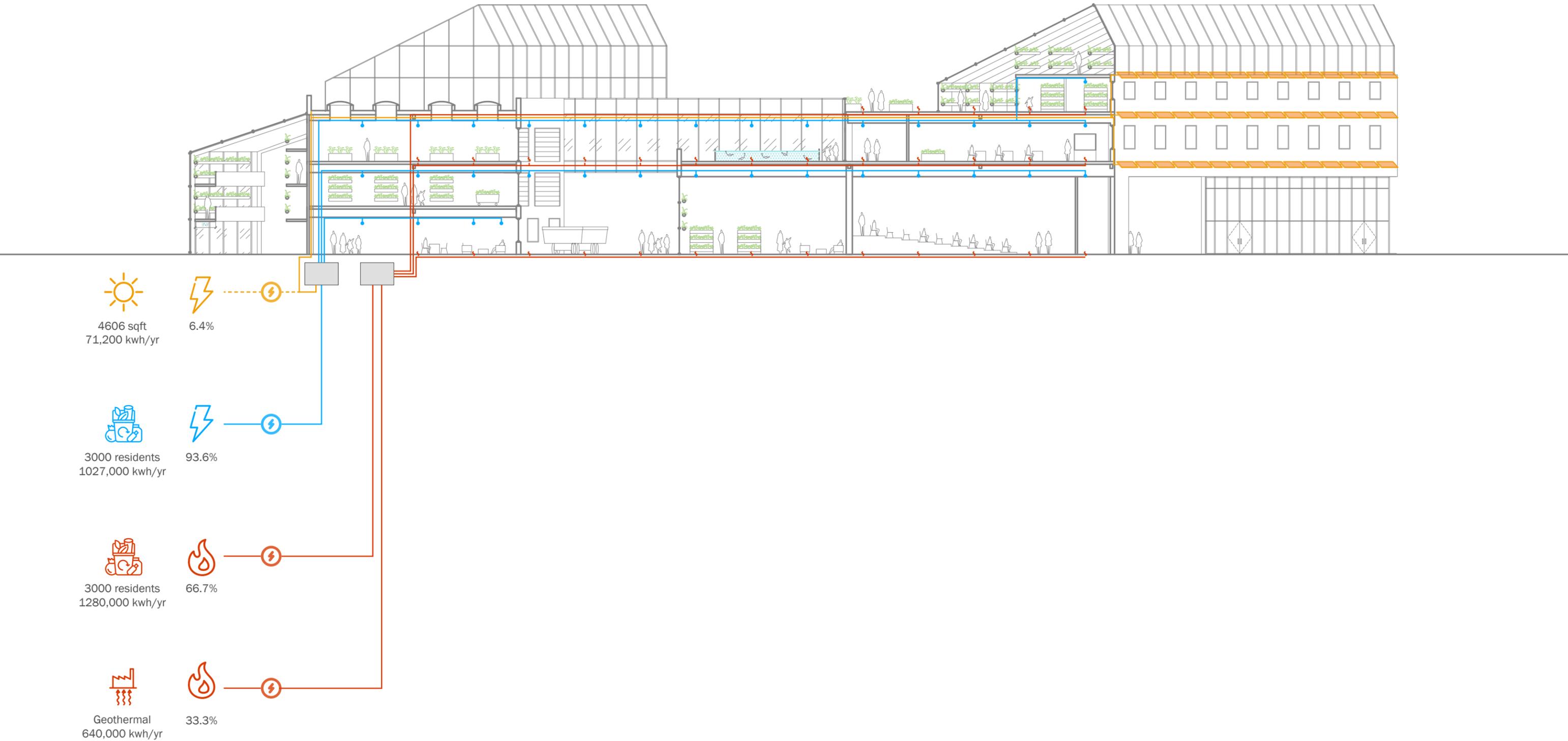
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Building Energy Income and Distribution



Building Energy Income and Distribution



Site Isometric

Building Program



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