Γ -	 	 	 	 	 	 	 —	 	
I									
1									
' I									
ı I									
1									
I									
Ì									
' 									
1									
1									

_1greetings from gowanus	_researches on productive environments_
2streets of BAT26	_material_
_3_decentralize LA_42_	_cultural_
_4_reflections of high line	_food_
5long lines72	_image_
6web78	_system_
_7redesigning dodge8	_social_

productions

index

s__4_

) _____

66

34_



greetings from gowanus

cultural matter



shingle types





slate tile deformation





stacking & material studies



stacking & material studies





site plan

form formation







production diagram

canal section

_brick production

- __collected sludge being prepared for production
- __aggregate mix with filtered water
- __molding according to the desired size
- __air drying
- __bricks getting ready for shipping
- 6 _loading into trucks for shipping



plan diagram



ground floor plan



site axonometric

site axonometric



19



exploded axonometric





street views





lobby

lobby









details



26

streets of BAT



circulation diagrams









program diagrams









plan permeability diagram



site axonometric

site axonometric





atrium section





platform section

atrium section





axonometrics

axonometrics



aerial & atrium



atrium

decentralize LA _the tour_ _gary bates_

spring 22'

our food system is failing. one of the main reasons for the failure is, that it is largely centralized. agricultural industry is becoming more monopolized every day while the average meal in the US travels about 1,500 miles from farm to plate. during this transportation, 40% of the nutrition is lost and 1/3 of the food goes to waste.

Un

the impacts of climate change and extreme weather events are devastating for centralized food production. more than four million acres have burned in 2020 from california wildfires. smoke is also affected the working schedules during the wildfires, preventing workers to work safely, delaying harvest and leading to waste crops. covid-19 pandemic was also a key figure in the failure of the food system. supply chain problem made it harder to find fresh produce causing an increase in prices.

_these factors resulted in a drastic increase in **food** insecurity rates in los angeles in 2020. when we look at the demographics in los angeles, it is seen that **obesity** and income are directly related. when income decreases, access to healthy food decreases, and obesity increases. in

US every year around 200 billion dollars are spent on obesity treatment._ _the project proposes a **decentralized** food system in los angeles to decrease food insecurity and provide fresh produce to **underdeveloped** neighborhoods. central alameda is chosen as a case study site, where the income is low and obesity is high. project offers solutions on two different scales. the first one is **accessory feeding units (afu)** for backyards as a replacement for **accessory dwelling units (adu)**. it's a 1.5x1.5m modular hydroponic unit, working with a lease agreement, for people to produce their own fresh produce in their backyards. second scale is in the car parks. elevated modular structures with three different programs; hydroponic farms, recycling centers, and community gardens. **hydroponic farms** will provide fresh produce to people with no backyards (afu), schools, and industrial areas. **recycling centers** will recycle plastic bottles to manufacture parts of afus and trays for hydroponic farms. lastly, **community gardens**, which are located in the main intersections, offering locals a gathering space and a ground for agricultural education to students in nearby schools._





Food insecurity

is the lack of consistent access to enough food for an active, healthy life.

The U.S. Department of Agriculture (USDA) _

food insecurity

food insecurity in LA

decentralize LA



analysis

analysis

income_

obesity_



obesity & income



analysis



 _accessory feeding unit _recycling center _hydroponic farm 	

50m

51

125m

250m



accessory feeding unit



afu vs. adu









decentralize LA

the tour



assembly manual

assembly manual

decentralize LA







modules



site axonometrics



site axonometrics





sections



sections



plans





plans







reflections



reflections





reflections



reflections







workflow process

workflow process



adaptable facade



south-east facade

gsapp web

outside in project

laurie hawkinson _galia solomonoff_

spring 22'



mark taylor _joshua jordan_ _yonah elorza_

advisors _hubert chang_ _anne shellum_ _natalia serra_ _quim rabassa_

students _abriannah aiken_ _ata gun aksu_ _priscilla auyeung_ _omar badriek_ _aahana banker_ _rourke brakeville_ _ece cetin_ _kurt cheang_ _lucas de menezes pereira_ _ryan hansen_ _bisheng hong_ _sunghyun kim_ _yining lai_ _vasco li_ _gustavo lopez mendoza_ _andrew manion_ _eugene massey_ _zakios meghrouni-brown_ _rrisa mimura_ _keneilwe ramaphosa_ _maria ramirez_ _hannah stollery_ _jordan trager_ _yusuf urlu_ _hazel villena _ _hyosil yang_



_ _





plan & section





solar studies





photos



photos





shortest walk optimization



optimal outcome



space types



space formation

г — -	 	 	 	 	· — ¬
I					I
1					, I
					L
1					
I					I
1					ا ،
I					
1					l
1					
' I					'
1					l
L					