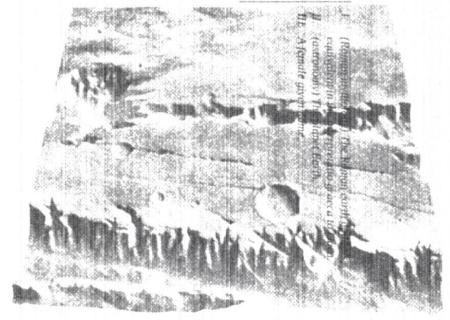
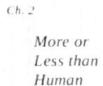
### STRANGE TERRAIN



Ch. 1 Blemish Star, Blemish Planet(s)









Four Walls and thousands of Roof



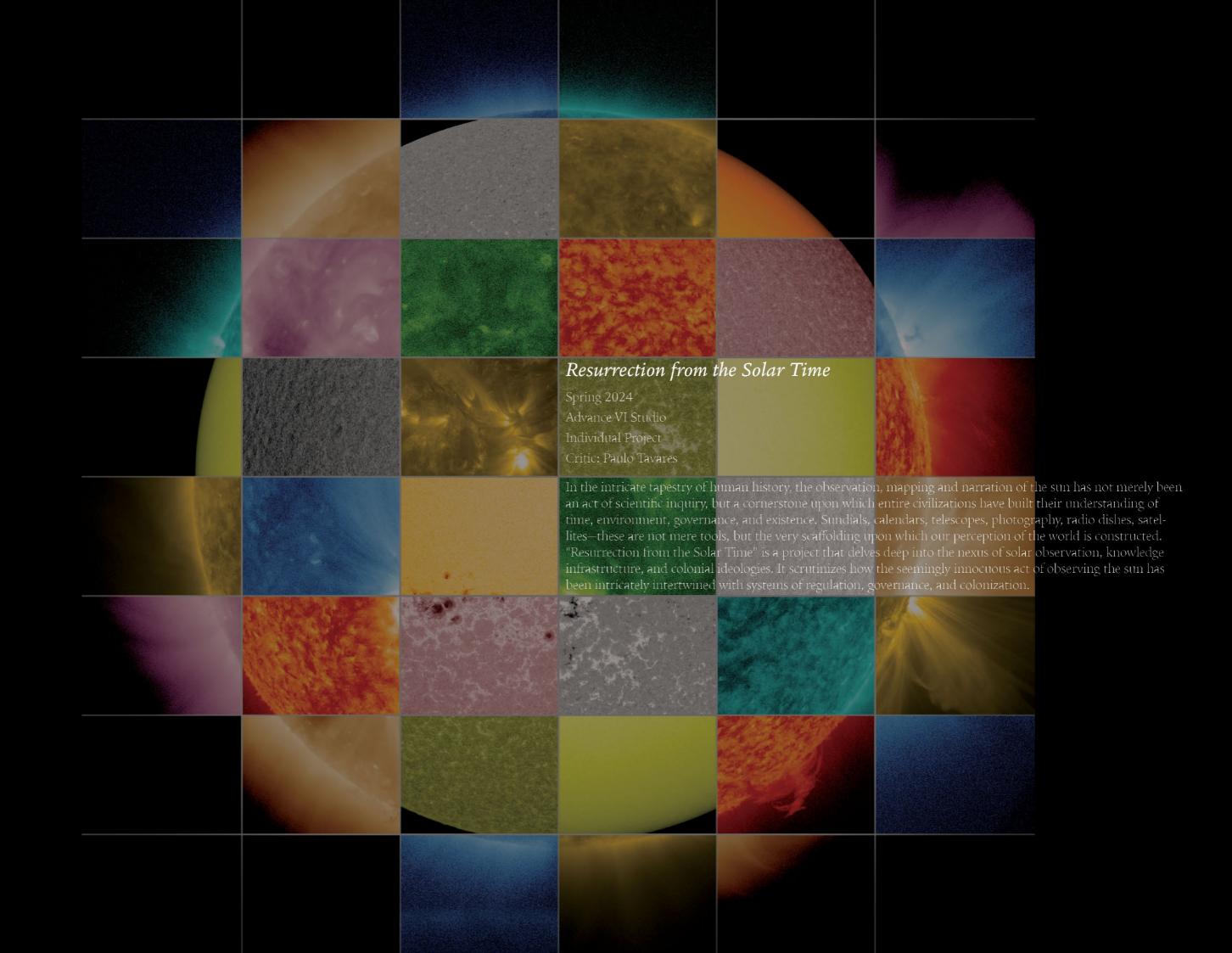
Ch. 4 How do we call the Commons

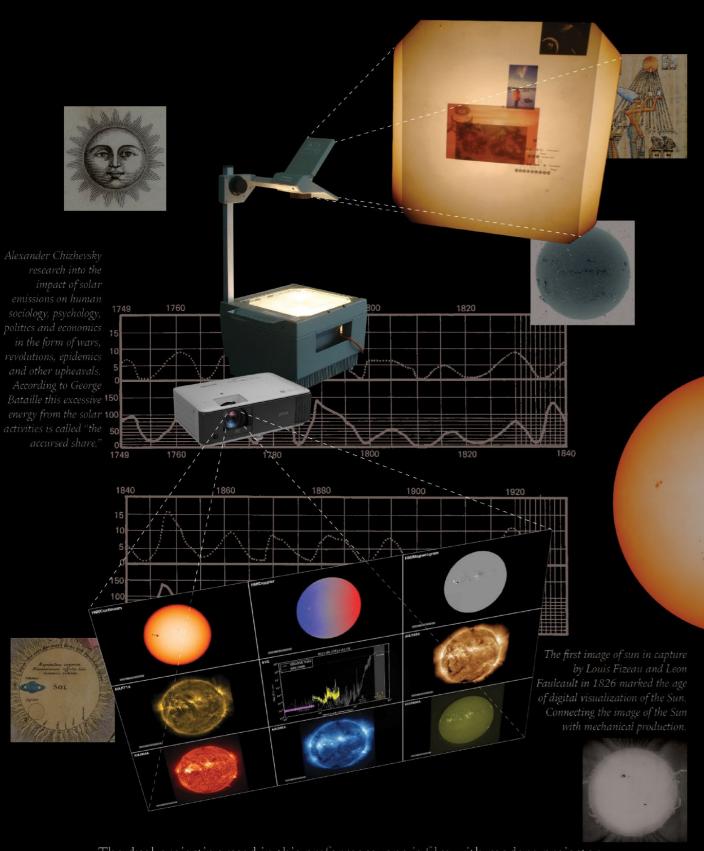




Steven Haoge Gan







The dual projection used in this preformace, one is film with modern projector another one is through traditional overhead projector, challenges the ordinary ways of lookings and thinking. Interplay with light and projection as the main medium of archive and present, the project delves into the geo-political structure shaped by techno-geographical milieu on constructing, modifying and in the end replacing the Sun. Suggesting a new worldview of liberation that ontology returns.

Resurrection from the Solar Time.



01:00:21,125 --> 01:00:22,29 Camera Obscura,

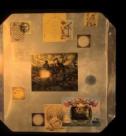
01:00:22,291 --> 01:00:24,125 Telescope, Satellite.

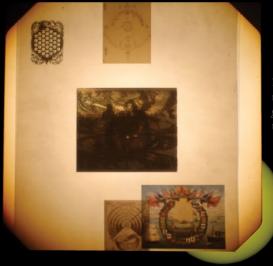
01:00:26,666 --> 01:00:30,500
Sunspot, Corona, Prominences, Blemished Star.

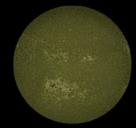
01:00:31,083 --> 01:00:33,291 The Homicide of the Sun



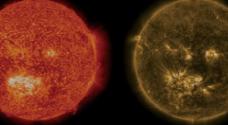
The projection serves not only as a visual display but as a form of archive itself, with each layer stacking upon the other, creating a complex web of overlapping imagery. In the initial stages of the performance, as the video unfolds, the archive undergoes a process of deconstruction. This process exemplifies the profound and interconnected relationship between humanity and nature, framed within the context of political and technical dynamics.







AIA 1600 Å 10,000 Kelvin Upper photosphere/ Transition region



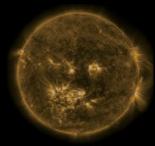
AIA 304 Å

50,000 Kelvin

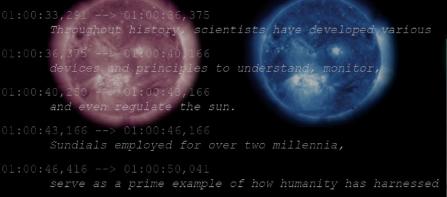
Transition region/

Chromosphere

AIA 171 Å 600,000 Kelvin Upper transition



Region/quiet corona



AIA 4500 Å

6000 Kelvin

Photosphere

technical entity embedded within a techno geographi

molded by the intricate interplay of science

When concepts solidify into regulations

and representation, translate into perceived facts.

The Sun and its offspring spawned as a novel virus

propelled by invisible magnetic waves







ary obsession on precision. that compels towards

hanical eyes supplants human vision,

ting resolution amplifies

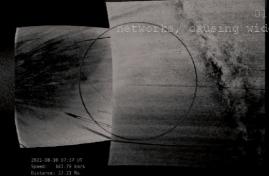
of science and politics,

01:01:51,208 --> 01:01:54,666 d vision not only underpins

as historical instances of intense solar activity ave demonstrated the potential for significant disruptions.

In 1972, a series of solar flares and storms,

widespread disruptions.





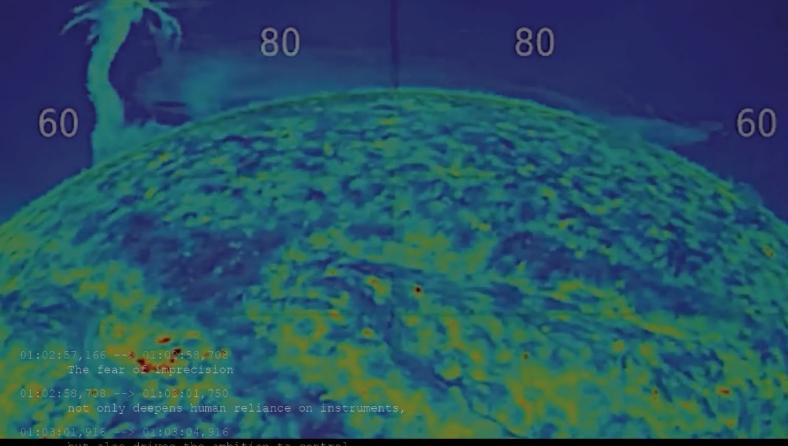












led by the U.S. government intending to refle

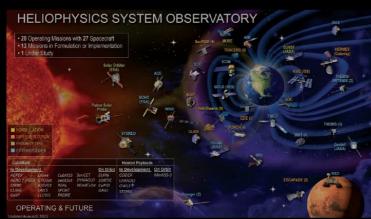
the quest for solar manipulation persists as a

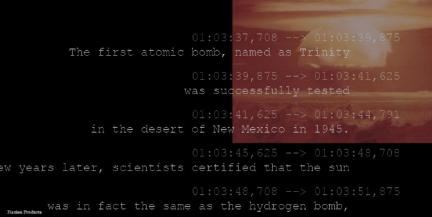
to humanity's unease with the unpredictability of nature.











\$600 the sun was made in the image of the bomb.

Replacing, but then later merging back with

religion as the repressed returns.

scientific breakthrough in nuclear fusi

According to Genesis, God is portrayed



## **Eclipse**

Gregg Bordowitz

We exist inside something enfolded Knowing ourselves only through habit

> Through prepositions we move things, get fed Survive by actions conjoined with projects

We move in circles until we are dead Leaving memories and a few effects

The ear moves between the world and the dead Here each line describes this trajectory

Transcribing views from within an ellipse Testifying to the hazy border

I'm trying to get beyond this crisis
To make some sense of my fractured order

With words find meaningful ways to exist Be all elements, earth fire air water

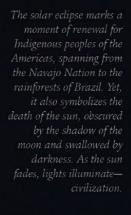
Trying to render language matter Daily I touch the creative process

There is no purpose or reason to persist The aim is to get beyond bitterness

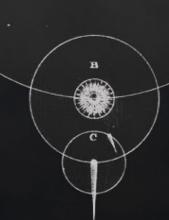
> Because the house of reason collapsed And we were all present bearing witness

We are reliving matters of the past Confusing present and future tenses











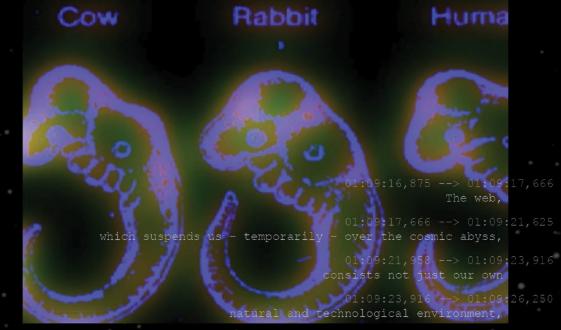
On April 8th, 2024, the Great North American Eclipse from Mexico to Canada and crossed into contiguous United States remarked the earth to their 30th member Chaldean astronomers first discerned the periodicity of the Sun and Earth's relative positions, the sublunary terrestrial slum and the Sun transpassing the atmosphere of chemicals has become a strictly monogamous model marked by numbers. reaches the terrestrial realm, When the sun falls as a local blockage, a restriction, its blinding brilliance, compelling human eyes to see refugee in shadow where lies the resurrected sun. of the earth onto a more general cosmic economy In Fedorov's geographies of time, which reduced it and which will consume it Time is an arrow so much as it is a land Fedorov imagines a world of kinship Only at the cost of the strict monism in death subject and object relations, entails the possibility of pluralism 01:07:57,666 mind and body dualities, Sun? Or a peaceful divorce between the planet and the star? How do oppositions between nature a we position ourselves in the cosmos, with or without the Sun? The labor in human soci and even to distinct between life and de both the body and the Sun. Viewing When uncertainty eradicates oppositions from geopolitical and technological when death transforms into resurre body-becomes a form of empowerwhen the sun resumes to being the the confines of Earth.

In 3.5 billion years, the core of the aging sun grows hotter, causing a severe greenhouse effect that sterilises the entire biosphere; its outer surface cools, expanding to engulf the inner planets.

In 7 billion years, the earth slips out of orbit but, outside the small chance that it could be flung out into the 'icy desolation of deep space', is dragged into the core of the Sun to be evaporated, its only legacy a small amount of fuel for the red giant's farewell glow. The sun becomes a 'small block of hydrogen ice';

100 trillion years into the future, all the stars go out, followed by an era populated only by the 'degenerate remnants' that survive the end of stellar evolution.

10[40] years, the cosmic catastrophe of proton decay ushers in the era of black holes, where the only stellar objects left are black holes 'convert their mass into radiation and evaporate at a glacial pace', and then the scarcely-conceivable 'dark era' populated by atomic waste products entering into desultory, increasingly rare and fruitless chance encounters.



01:09:27,000 --> 01:09:28,70 but of the knitting together of

01:09:28,708 --> 01:09:31,250 a history of cosmic contingencies;

01:09:31,500 --> 01:09:33,75

01:09:33,750 --> 01:09:36,750

01:09:37,208 --> 01:09:40,58 However, it is precisely this contingencies

01:09:40,583 --> 01:09:41,910 that shape the earth.

01:09:42,333 --> 01:09:45,33 its inhabitants, and us as human,

01:09:45,875 --> 01:09:48,000 s in inseparable facet of the sun.

01:09:48,500 --> 01:09:50,1
We are both embedded within

01:09:50,625 --> 01:09:55,04

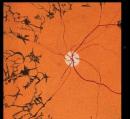
01:09:56,291 --> 01:09:57,5 Time drifts

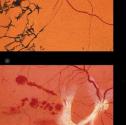
01:09:57,583 --> 01:10:02,0

01:10:02,791 --> 01:10:05,666

01:10:05,666 --> 01:10:10,66











#### The Leap

Spring 2022 Visual Elective Collaborate with Xueyin Lu and Haoran Xu Professor: Joshua C Jordan Reimagining the world after the Sun dims involves humans descending into the depths, seeking a new source of light and energy from the core of the planet. Lava emerges as the ultimate form of immortality, where to dwell in the depths is to embrace eternal life. This narrative draws inspiration from Chinese folklore of the afterworld, where death is viewed as a process of revising one's entire life.

THE THE PERSONNELLE



ct. The scene states from a
close look to the preso
level to show the mass
and the sense of a
closecopia. And then camera
where over the station.



w). The scene Shows a rolling forward image of the platform. By using some stop ractions, where frames people flynt for supplicants.



63. Then the Scene montaged to the big model, and first to show the abandond world on the ground then the comera voils down to show the beneath.



op. After the on-ground image,
the camera gues down to show
the first two levels, which
are Meeto platform and Market
by using stop motion to show
the maning items and people.







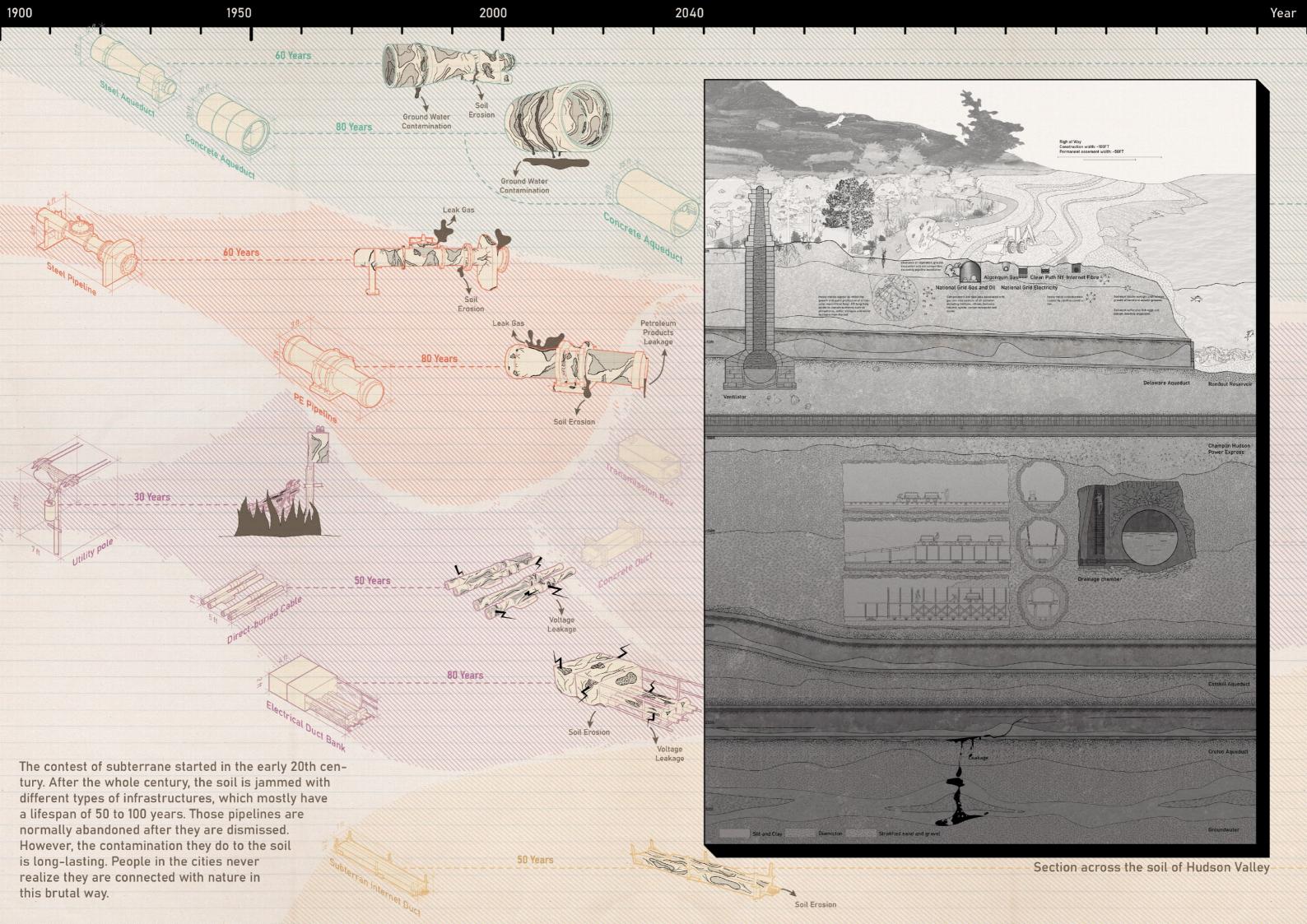


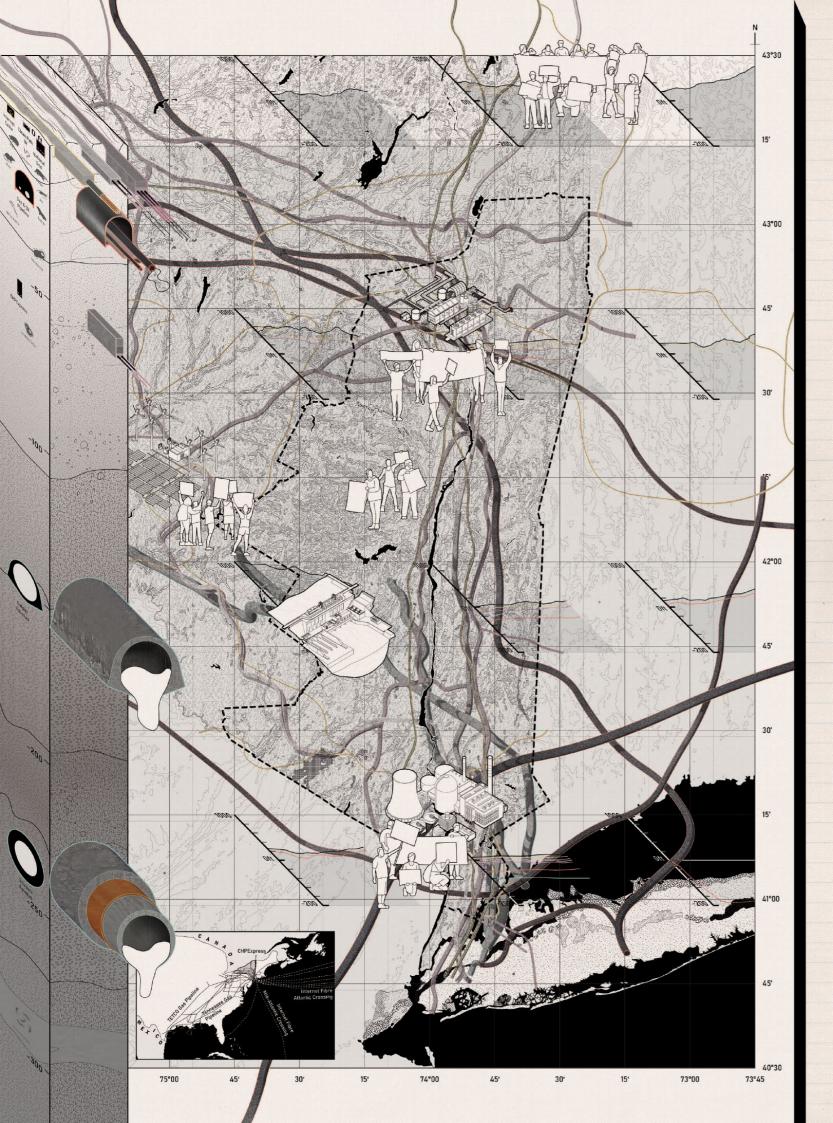
Spring 2023
Advance IV Studio
Collaborated with Han Qin
Critic: Nahyun Hwang

Taking Measures across the Hudson Valley Subterrain

the spiritual utopian of the

American spirit, the wilderness has always been the keyword of the American landscape. Hudson Valley was the frontier and symbol of wilderness since the colonialists from Europe first arrived at the virgin land, influencing the New Yorkers and the whole country. However, behind the picturesque image from the impression of the countryside is also the progress of urbanization. Hudson Valley has not only been the dreamland of the citizens but also provided natural resources, including water, electricity, natural gas and oil. Underneath the soil of the natural landscape is the highway of energy and resource network consisting of aqueducts, pipelines and cables. This ongoing project of this semester tackles the real landscape behind the seen natural once and how those 'ugly' but necessary infrastructures define contemporary living and contemporary 'nature'.





#### Energy Facilities in Hudson Valley over time

#### 2022:

- CPV Valley energy center, 770MW
- Bowline Point power station, 621MW
- Lovett power station, 201MW
- Danskammer generating station, 147MW Danskammer generating station, 239MW
- Roseton generating facility, 621MW

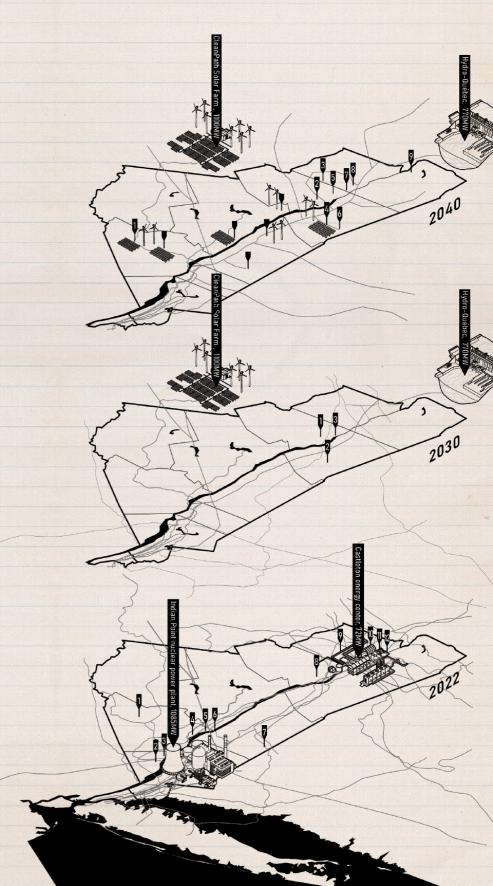
- Cricket Valley Energy power station, 438MW Athens generating plant, 407MW Selkirk cogeneration power station, 434MW
- Bethlehem energy center, 893MW

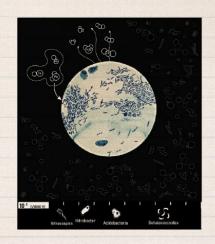
The subteran landscape is never a static scene. It is always under change, regardless of the retirement of pipes, increase in flux or updates on energy plans. For Hudson Valley and New York City, 2030 is a critical time of shifting in the underground due to the 70% of zero-emission. Most of the energy plants will retire by then, and new ones will rise to supply millions of people in the city. The same will happen to the pipelines and cables. Will they become a new opportunity to nature and humans instead of a hazard to our fragile environment?

- Rensselaer cogeneration power station, 83MW Empire power station, 654MW

- 1. Flint Mine solar farm, 100MW
- Shepherd's Run Solar, 60MW Greene County Solar Facility, 50MW

- Shepherd's Run Solar, 60MW Flint Mine solar farm, 100MW
- Hecate Energy Gedney Hill, 20MW
- Shepherd's Run Solar, 60MW
- Greene County Solar Facility, 50MW
- Hecate Energy Columbia County solar farm, 60MW Albany County solar farm, 20MW
- Albany County solar farm, 20MW Hilltop Solar Project, 20MW



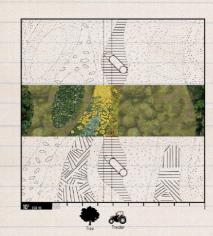


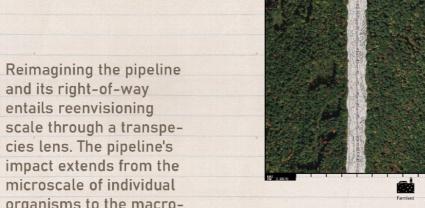


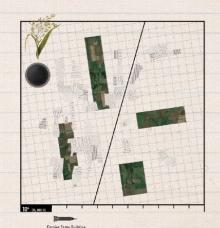


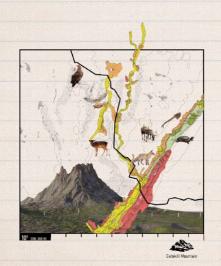


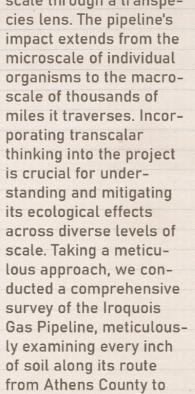






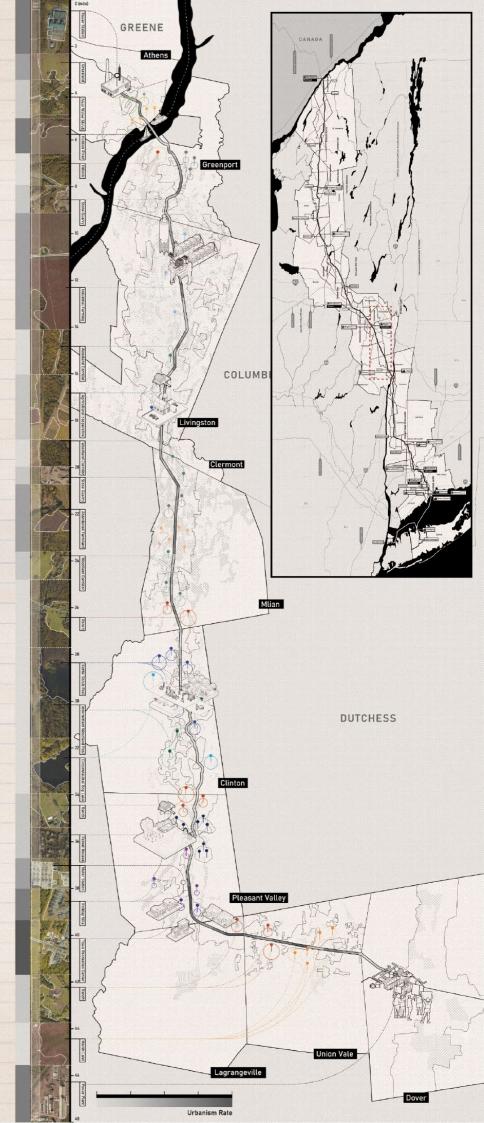


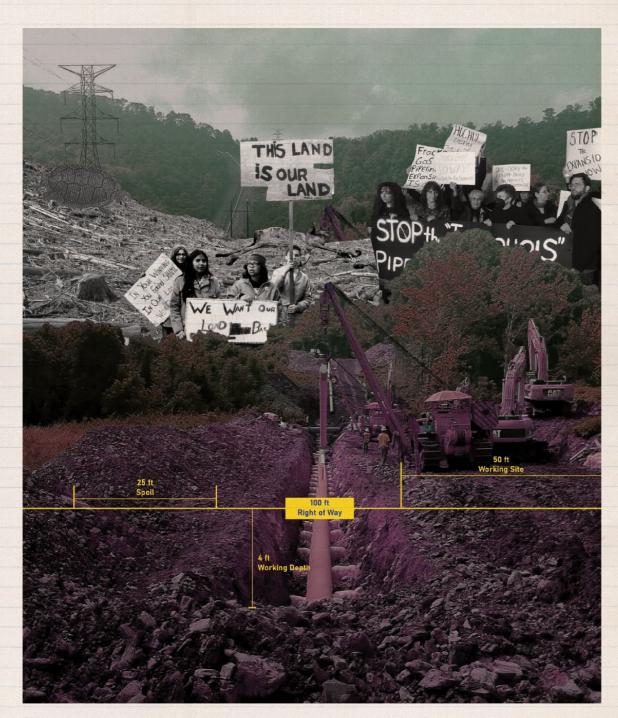




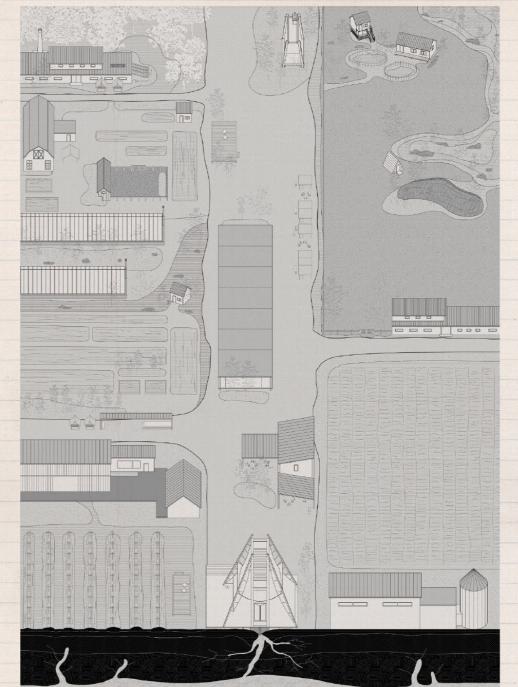
Dover County.





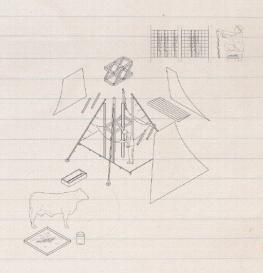


The extraction process for the pipeline began long before its construction commenced. Trees were felled, and weeds were meticulously managed, creating a right-of-way that birthed a distinct ecosystem stretching uninterrupted for thousands of miles, effectively cleaving the landscape into fragmented pieces.



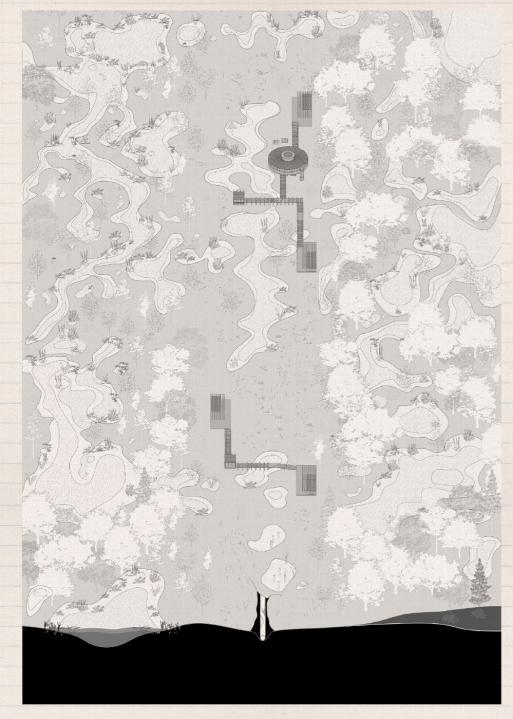


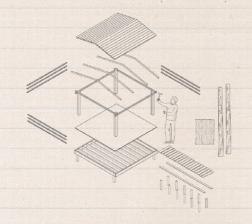
The vacant farmland in
Livingston County has
emerged as a new battleground for middle-class New
Yorkers seeking investment
opportunities for their retirement. We envision the
right-of-way as a potential
avenue for revitalizing the
farming economy by implementing various programs on
this unused land.



**FARMLAND** 





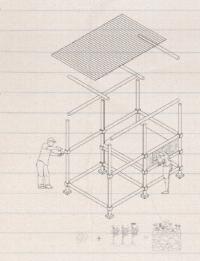


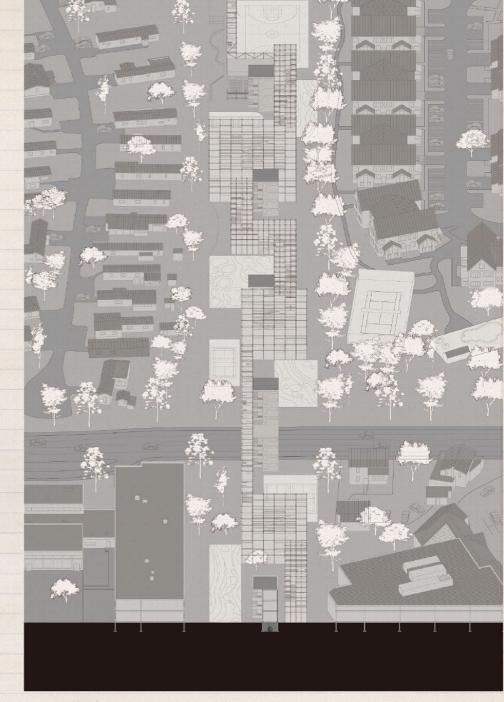
As the right-of-way cleaves through the continuous landscape and habitat, reclaiming this land presents an opportunity for animals to migrate and establish new habitats. The unique ecology along the way offers a rare chance to merge the two edges, facilitating the regeneration of nature.





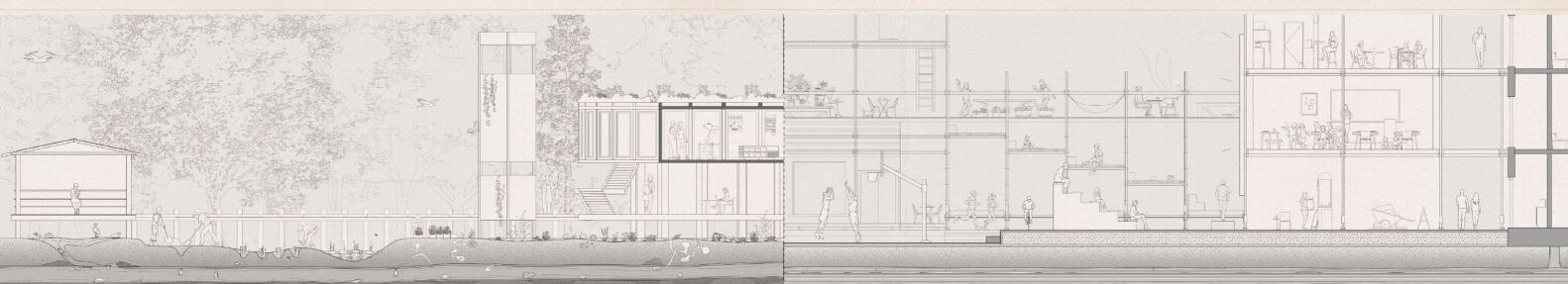
The pipeline often traverses urban areas, creating a rust belt that divides neighborhoods into fragmented pieces. Holiday homes and local residences find themselves separated by expanses of grassland covering the pipeline. Repurposing this plot as a continuous belt of civic usage presents an opportunity for people from diverse communities to reconnect with one another.

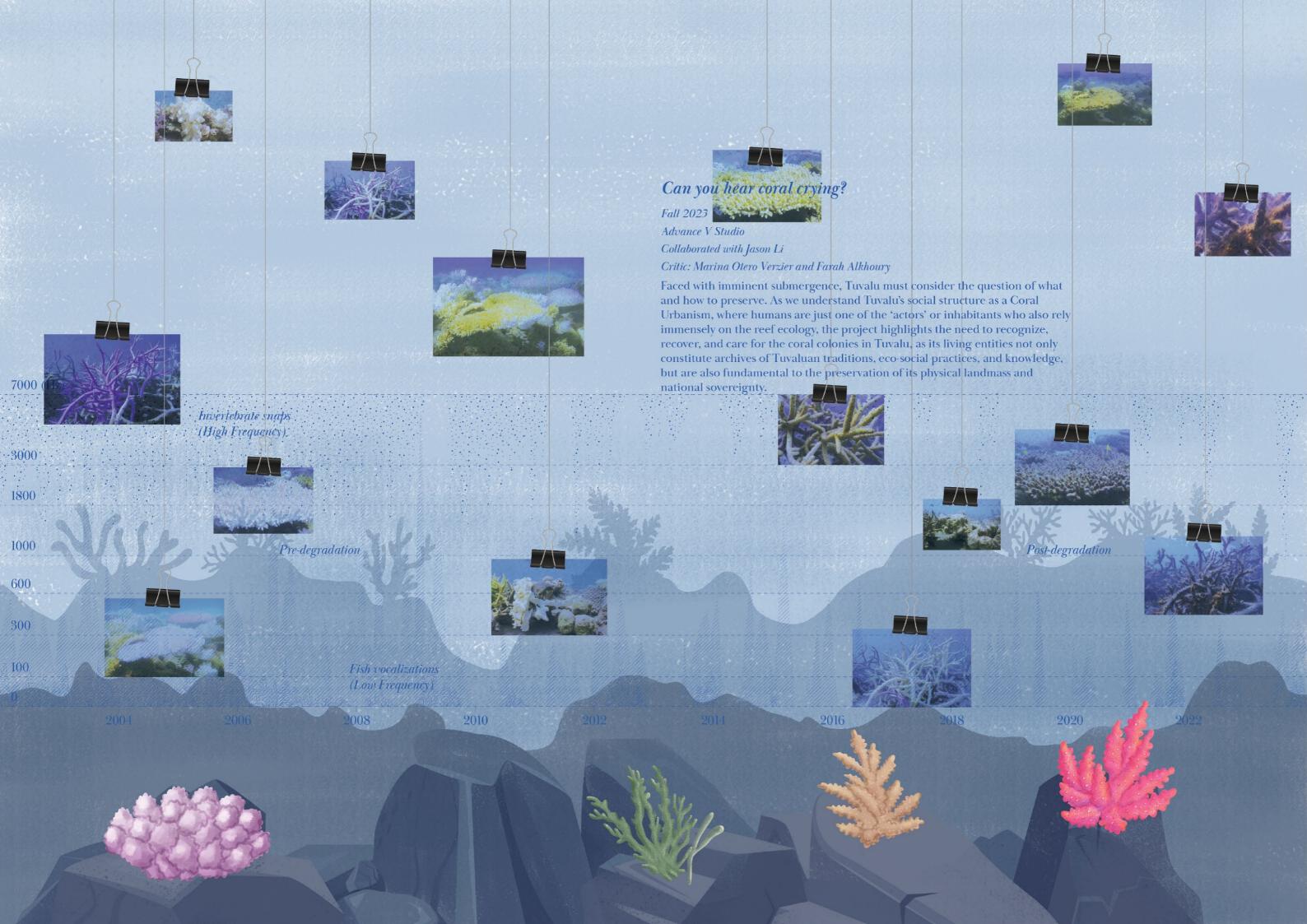




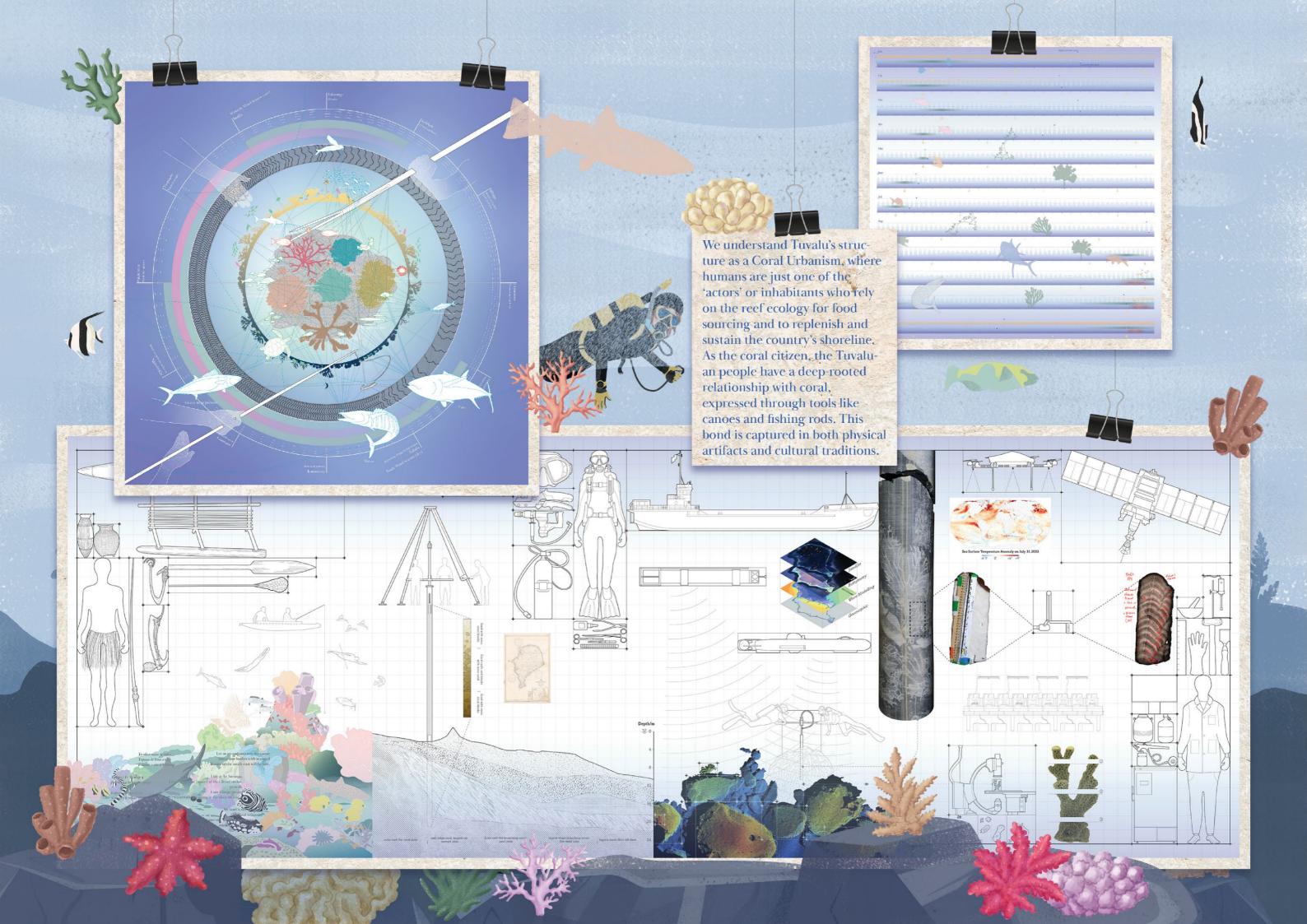
WETLAND







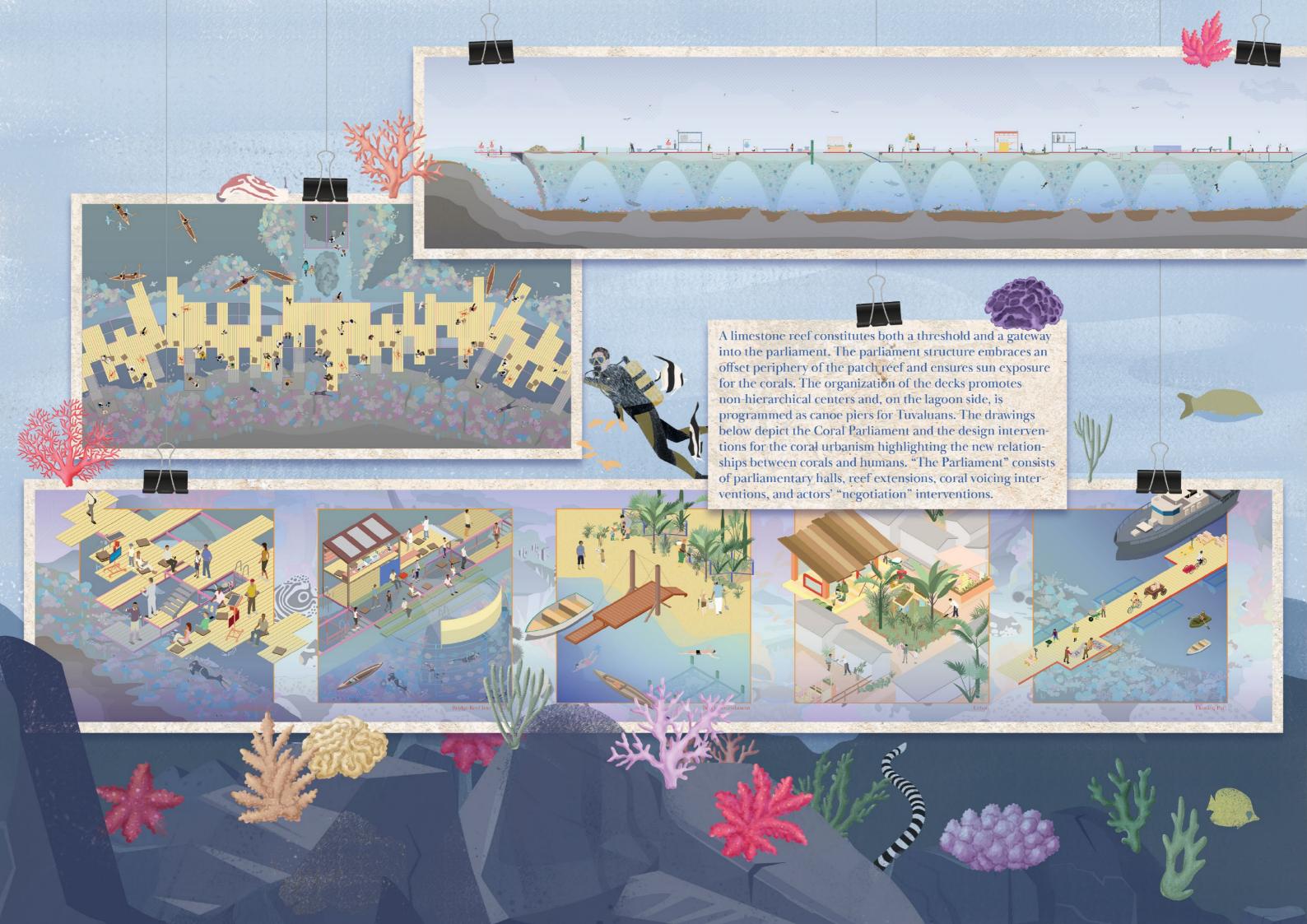


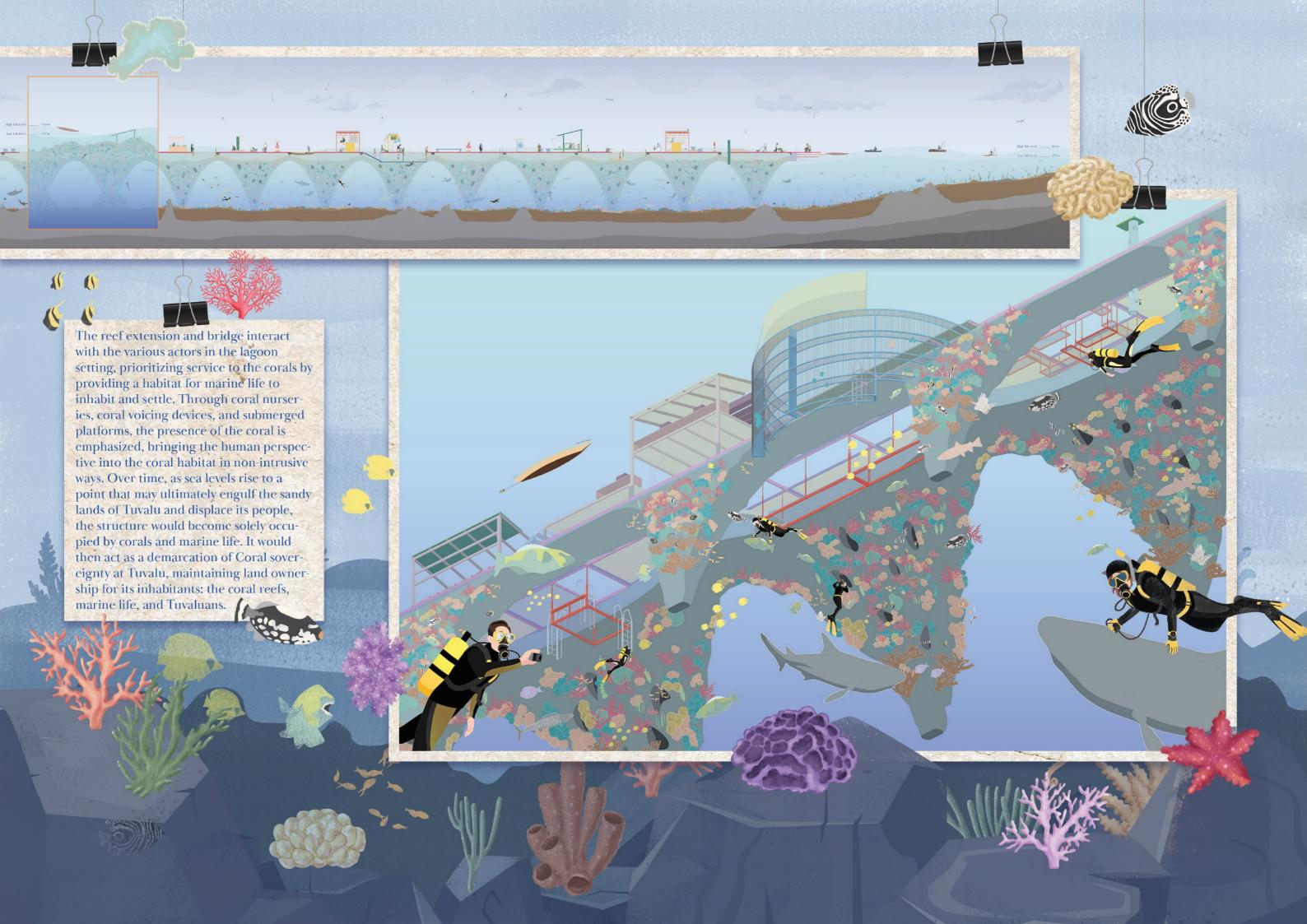






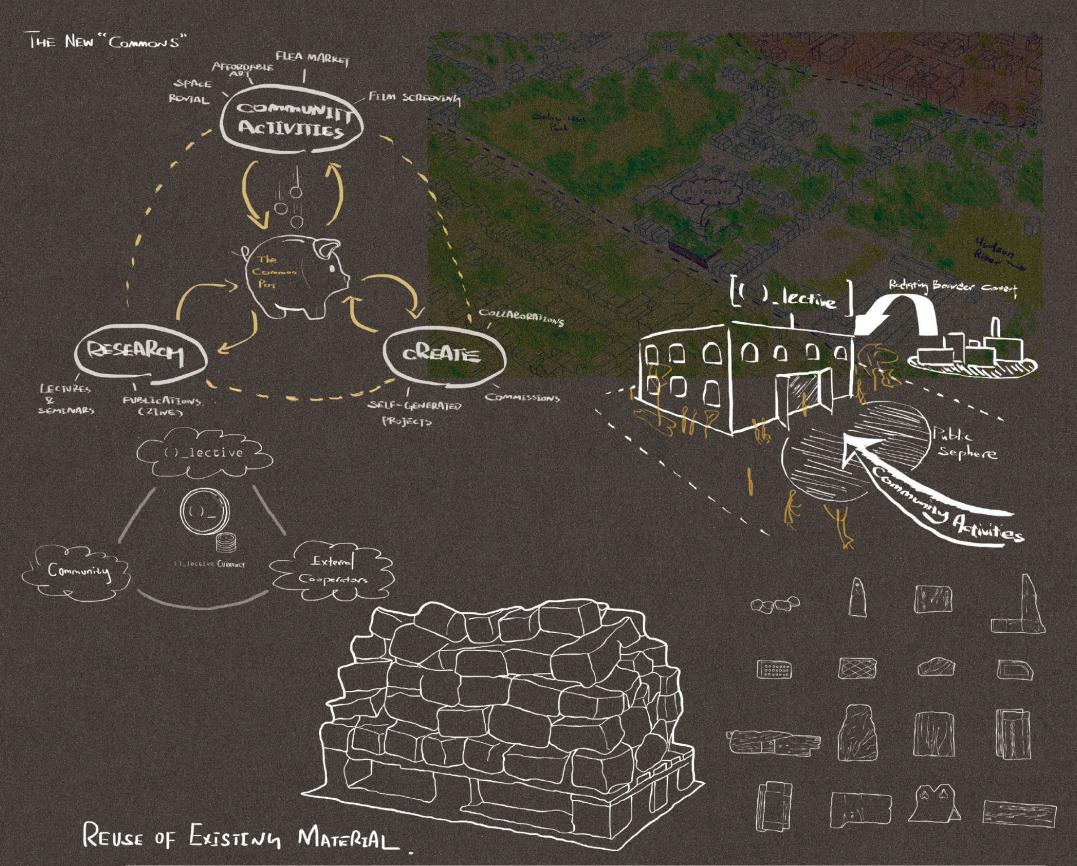


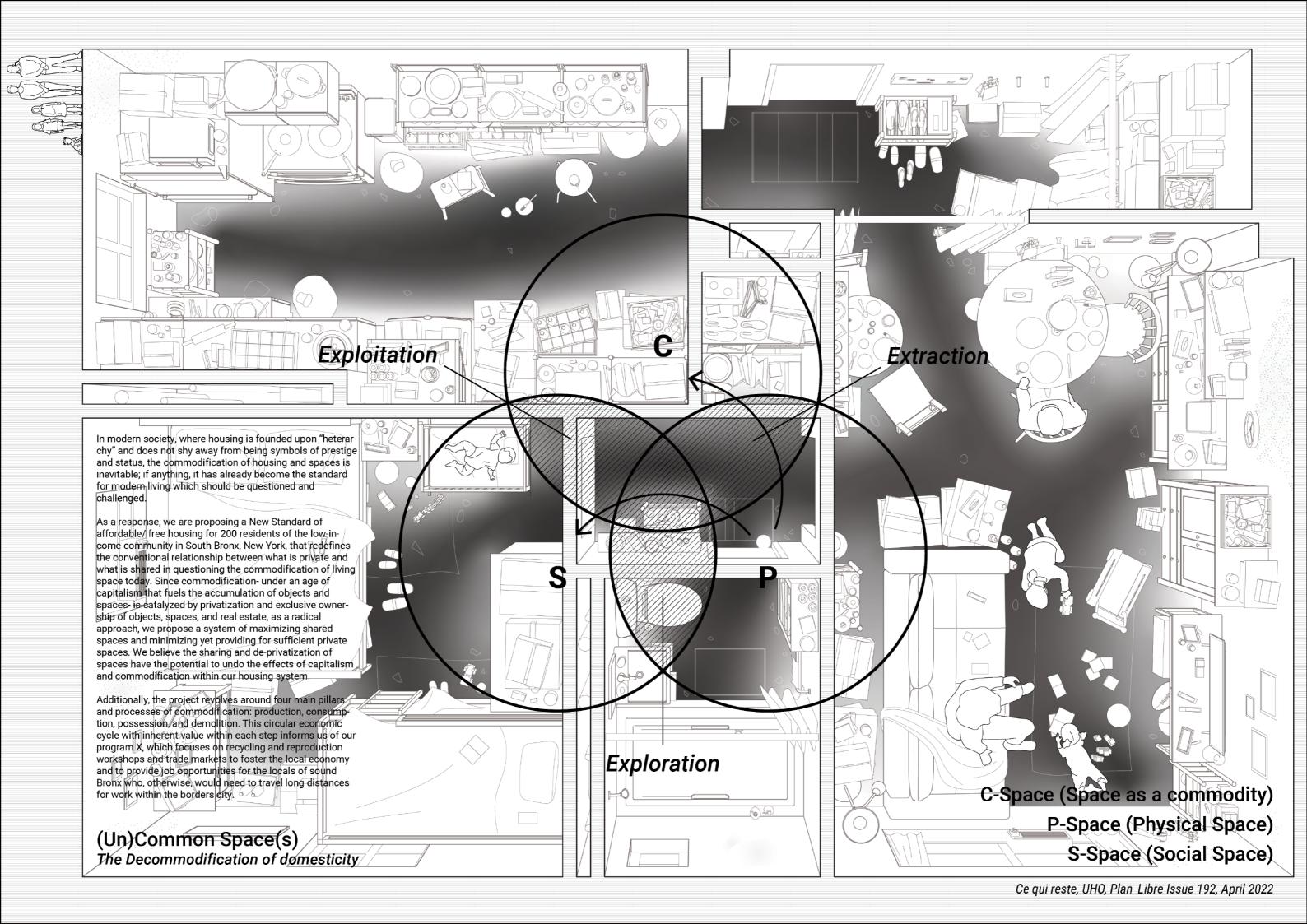


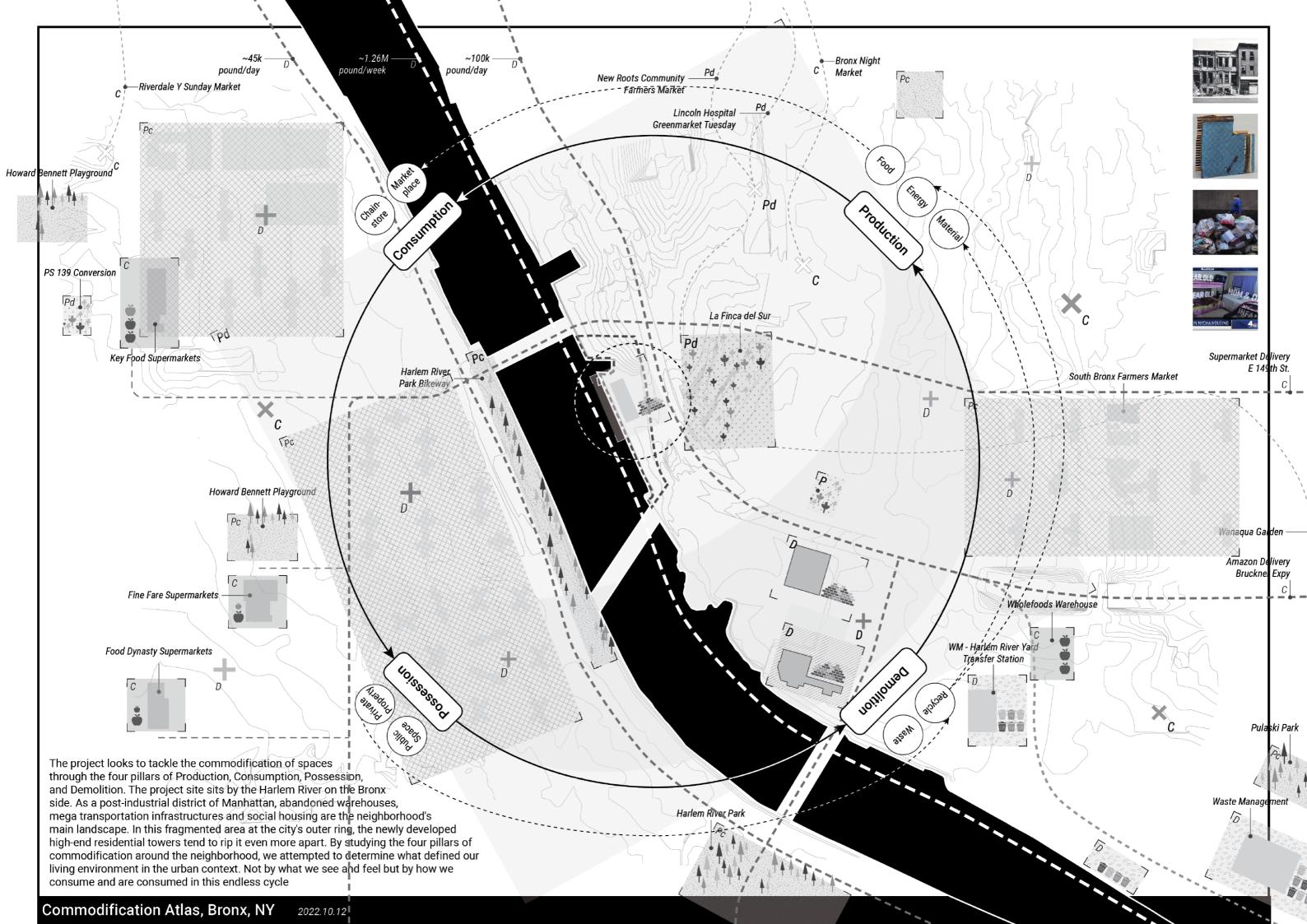


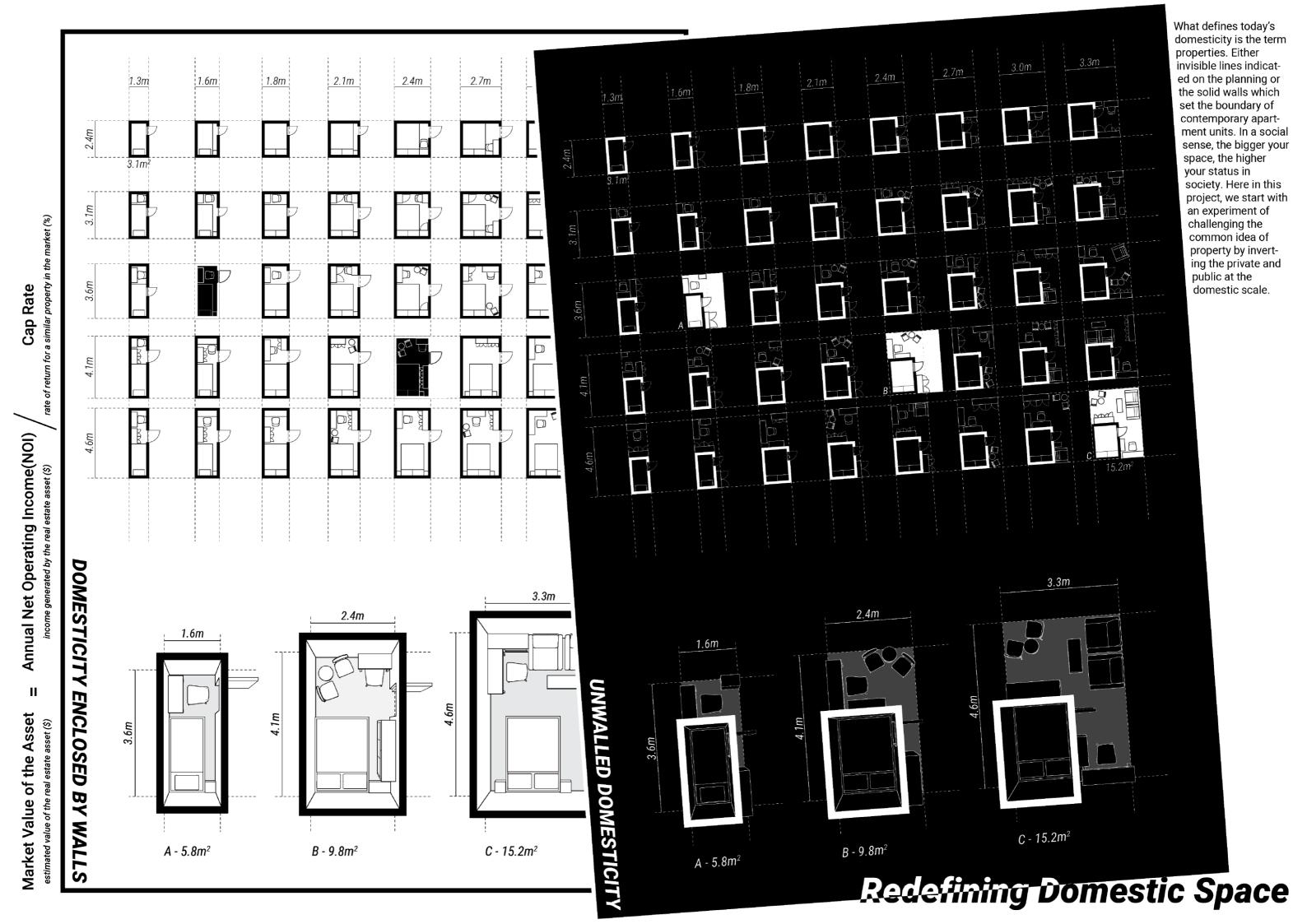
#### ()\_lective

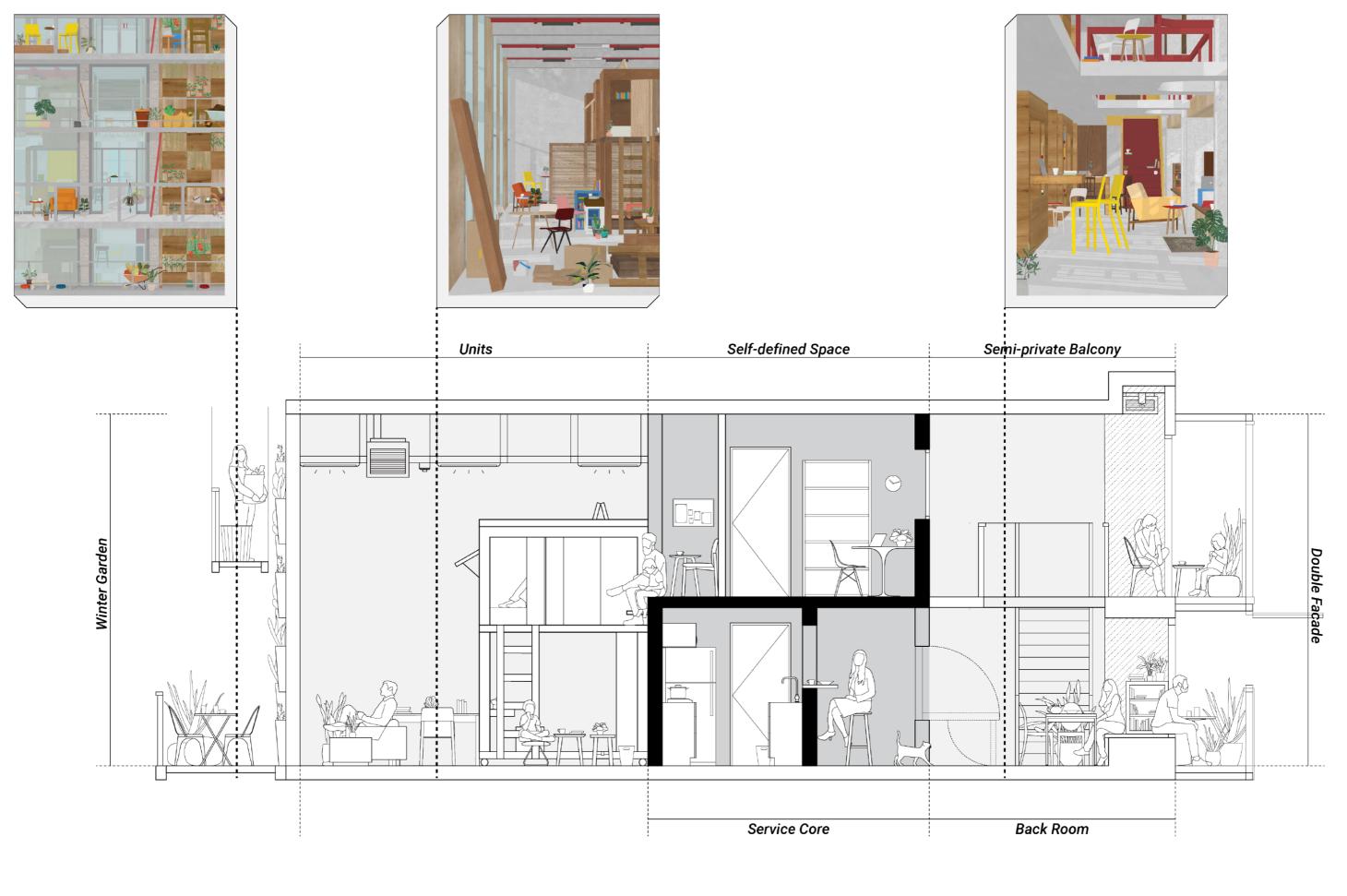
Fall 2022 Visual Elective Collaborate with Erisa Nakamura Professor: Juan Herreros Beyond a typical office, Erisa and I found an office in this class under collective goverance. No contracts, no salary agreements. One simply choose to be a part of the ( )\_lective ecosystem. Everyone is encouraged to live/work/share with each other for the common good. Rooted to a local rural town and seeking to revitalize spaces, communities, and creative infrastructure.

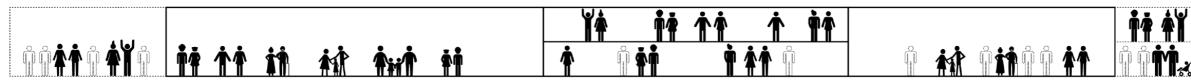




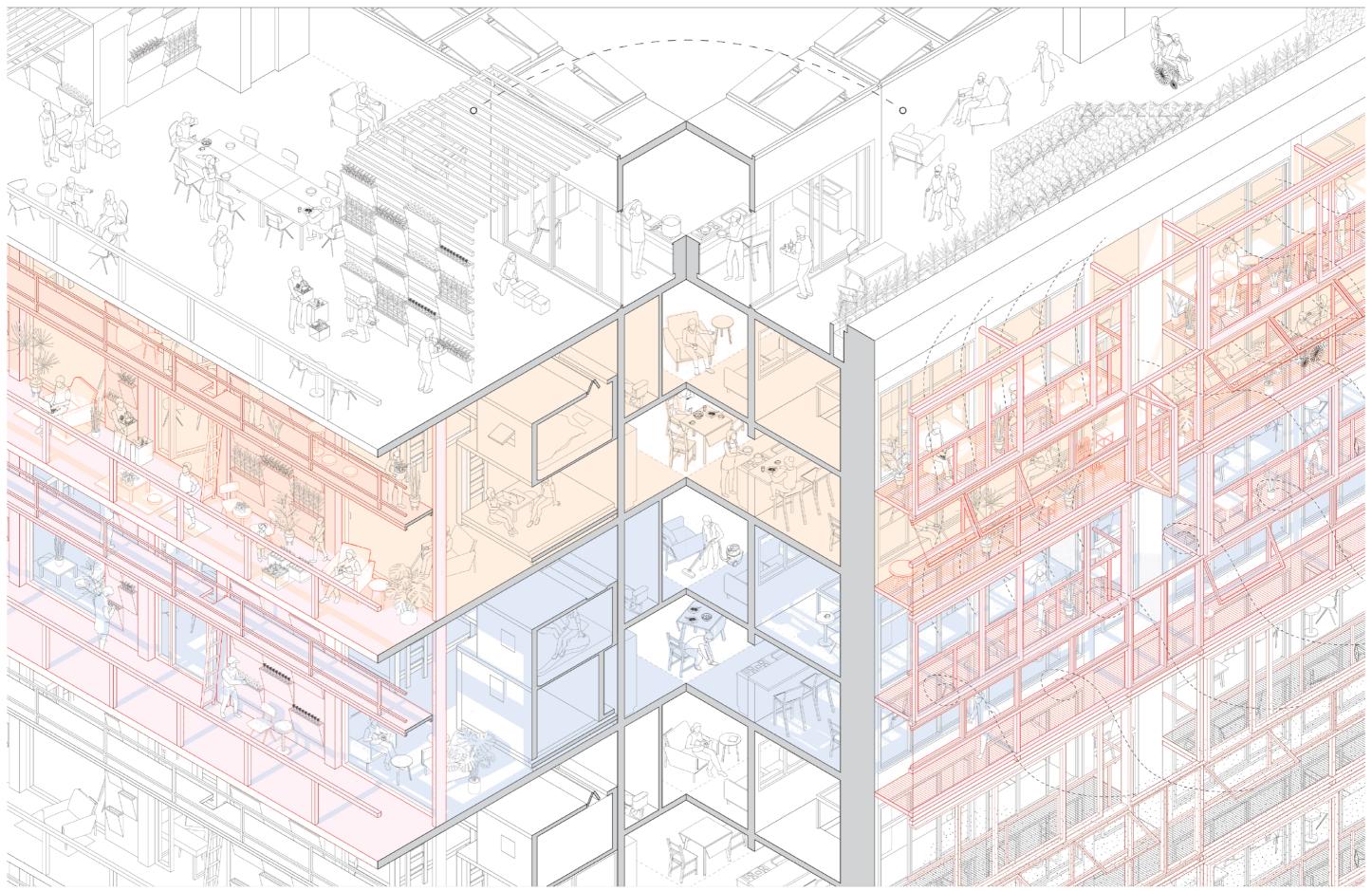








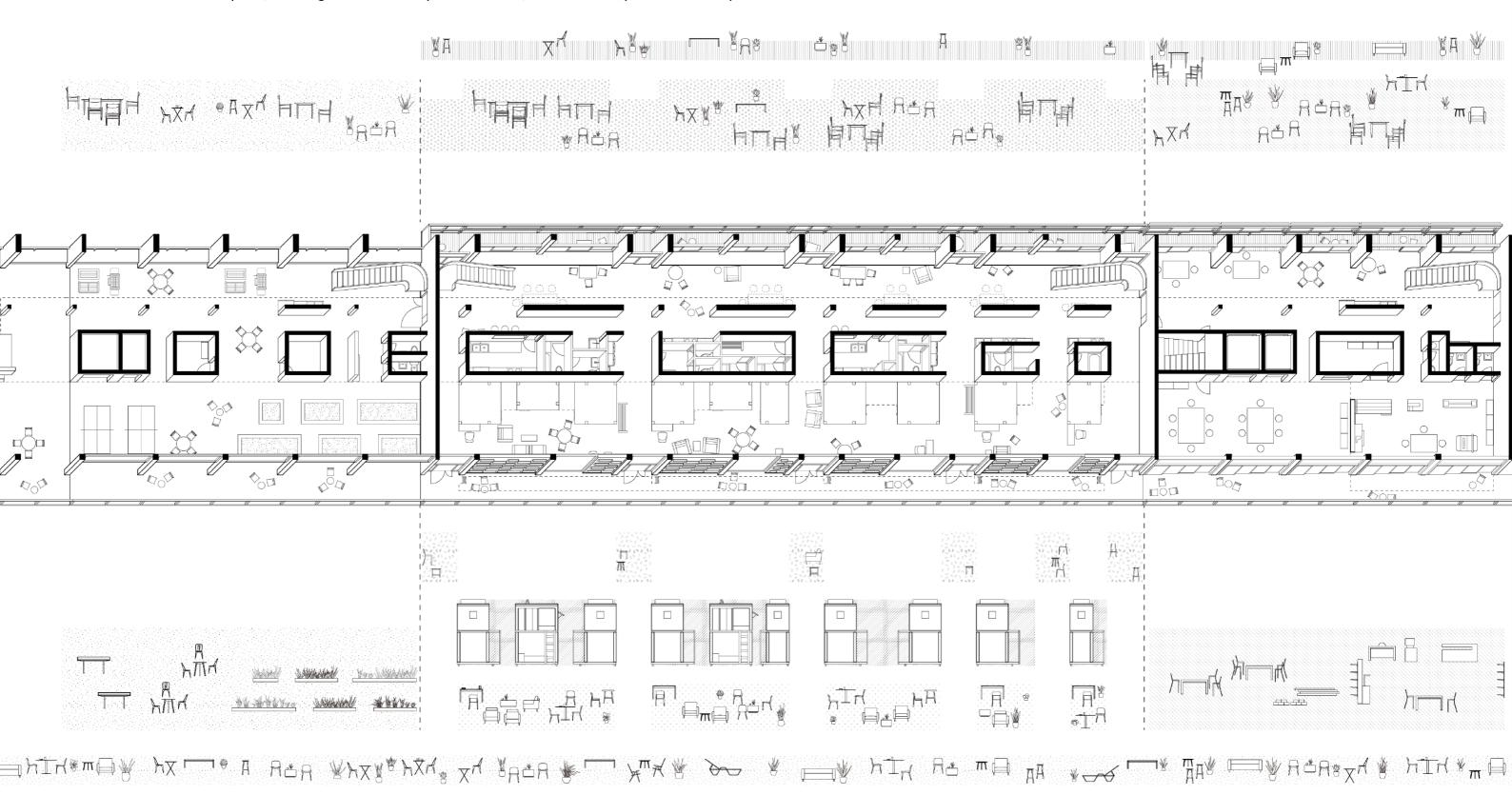




The proposal considers the two different interfaces that the site faces: one towards the Harlem river and the other towards the urbanscape of the broader Bronx. The facades are designed specifically to interact with the two conditions. An intermediate winter garden occupies the west elevation facing the river to provide views, natural lighting, and natural ventilation, which also supports plantation walls that allows the residents to grow food or other vegetation. In contrast, the east elevation that faces the city and traffic highways is designed with a more closed-off system. The relatively cheap double-skin facade, consisting of a steel frame structure and polycarbonate panels, performs thermally as a stack ventilation mechanism that helps to retain heat in the cold winters of New York; during summer, the system can be opened up to allow maximum cross-ventilation through the winter gardens. In addition, the double skin facade also performs as a barrier to noise and air pollution generated by the city and traffic.

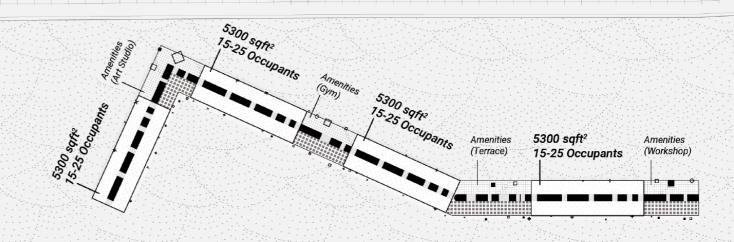
#### **The Landscape of New Commons**

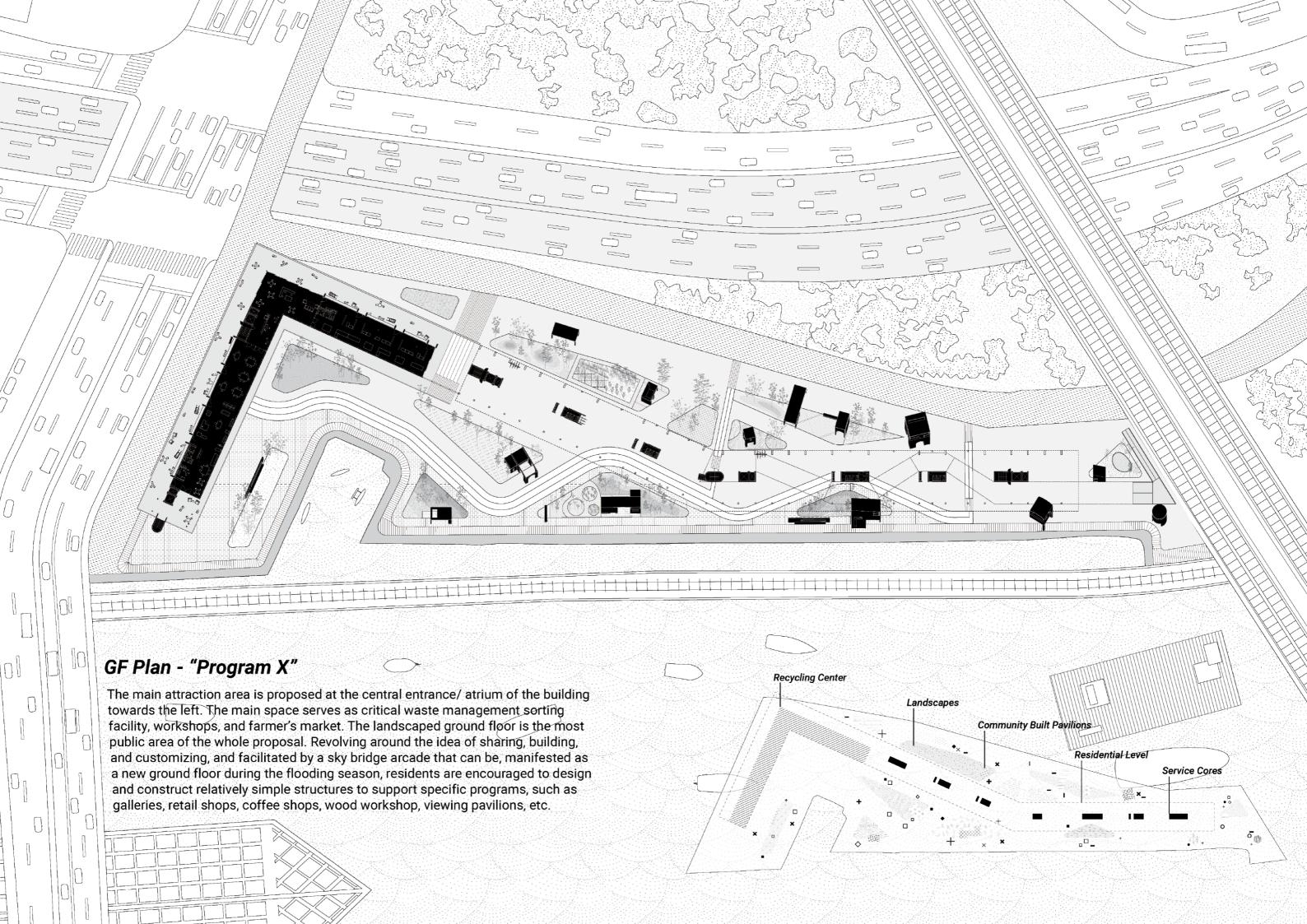
The typical plan below depicts the relationship between the living collective and the amenity spaces sitting alongside each other. The continuous cores and wet walls across different spaces are the structural and functional support for the programs next to them. The rest of the interior is freed because of these fixed modules. The distance between the cores and the facade determines the type of programs, which naturally hints to the user how to use the space, creating a new landscape of furniture, either shared, private or semi-private.



### Typical Floor Plan

Our unconventional approach to the typical housing typology in creating a new standard of living proposes a common core throughout the center of the plan. Performing as service cores and wet walls, they house essential programs such as bathrooms and kitchens and create opportunities for programmatic adjacencies that extend into the living spaces. We envision the spaces outside the cores to be shared to a large extent to minimize privatization and spatial commodification. In addition, our proposed strip-like building is divided into parts of amenities blocks and residential blocks to foster exchange and collaboration in these gathering nodes.

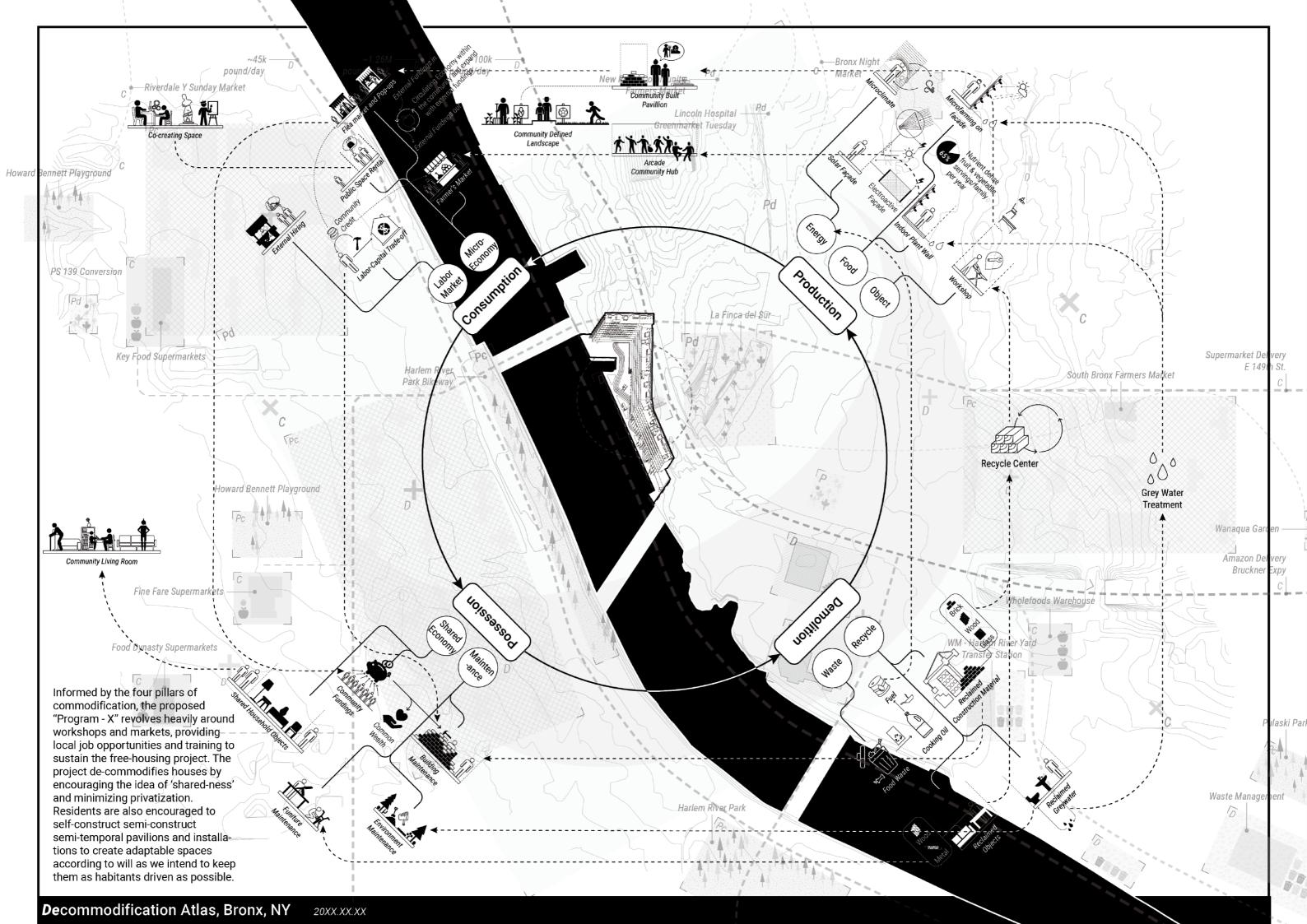






#### Collage of Srctions of Conditions

A series of sections showing the various proposed conditions within the project that do not necessarily align with one another vertically but more horizontally. The two different types of facades respond to the two sides of the building: the winter garden facing the river and the polycarbonate double-skinned facade facing the city. The ramp into an elevated arcade creates edge conditions and adjacencies that foster resident-built pavilions and perform as a new ground level during flood season or in 100 years when the existing ground



coach for **Aztecs** In Sports, E1

**Hotel Queen** gets prison: Helmsley to

heck in or 4 years

8 Sections 80 Pages

Rescue hopes fade at Israeli Embassy

Point man: Democratic front-runner Bill Clinton makes a point with supporters last night in Chicago.

Transformation of spaces in post-apartheid South Africa

Apartheid in South Africa was rooted in a grand narrative of the white population, particularly the Afrikaaners, as the 'chosen people' who had a 'divine right' to assert their will across the land. To perpetuate this ideal, the central social purpose of apartheid legislation and the resulting segregation was to make the majority non-white population as invisible to the white population as possible. The potency of the government's effectiveness in this effort was remarkable, particularly in shaping the country's social and spatial landscape. Yet, the fervent apartheid ideology ultimately was no match for the non-white populations' need to thrive and be free. Indeed, as this essay demonstrates, the very instruments of apartheid rule, their rigid construction and their spatial legacy set the

stage for apartheid era transgressions and postapartheid transformations that

State defined, Self-defined

Postmodernity and World System

subvert the notion of an officially segregated society.

Professor: Reinhold Martin



# Clinton, Bush look beyond primaries

Winners in Midwest, they're in race for the White House

Voting results

Superflights to London.

SA police

Vind and rain continue

Police clash with protest marchers

suspects held

# I he Journal

## After 27 years, Mandela's free at last!

from prison a leader



per cent, the same as four years ago.

help carrying the body of a bey killed

extremely helpful role as an

U.S. seeks peace in South Africa

Lourigar gains fo

South Africa Is Not A Bad Place

Actor Canada Lee Says In Letter

en as

White Black Indian
Coloured Industry Vacant

HOMeland

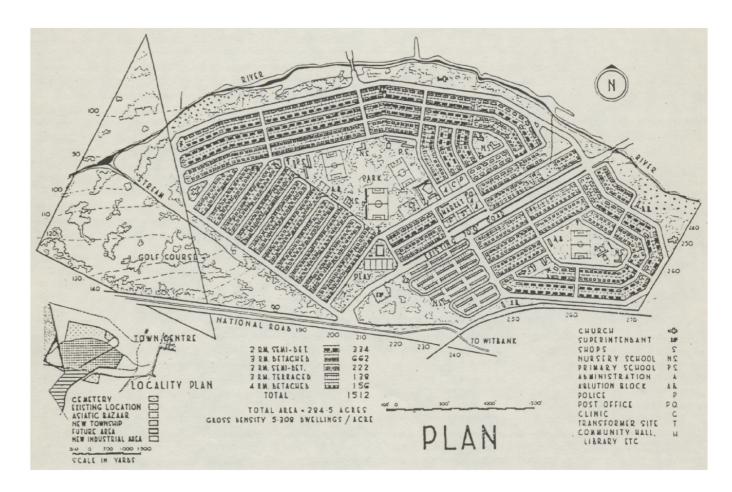
Ridge of Hills Ridge of Hills Suburban CBD

Fig. 1: Crude urban zoning

While segregation laws had been in place for many decades, it was not until the Nationalist - and Afrikaaner – government took power, in 1948, that the insidious racist legal neatness of apartheid, which means 'separate' in Afrikaans, was secured by a series of laws rapidly put into place. The thrust of this legislation was to secure the political, economic and spatial dominance of the tiny white minority while rendering politically and spatially powerless the vast nonwhite majority of the country. Racial segregation at all levels of life and at all scales - from the body to the nation - was essential to this effort. These laws systematically constrained the residency, movement, employment and education of the non-white people of the country, effectively removing them from the public life of the cities and from 'white only' facilities including parks, libraries, museums, hospitals, universities, theaters, and shopping centers.

Figure 1 illustrates the simple type of spatial planning framework that was devised for many cities, with buffer strips of industry or transport infrastructure at least 100 metres wide separating neighbourhoods to minimise contact between races. Since pre-existing settlements rarely conformed to these stark patterns, forced removals of at least a million blacks took place, causing great social upheaval and callous break-up of long-established communities.

Segregation was accompanied by policies to restrict black urbanisation. Africans were denied the right to own property in the cities and required to live in peripheral 'townships' owned by the state and furnished services. The allocation of housing was linked to (pass laws), issued selectively to people wanting to live and work in the cities.





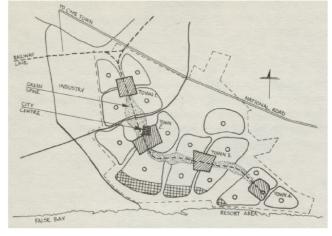
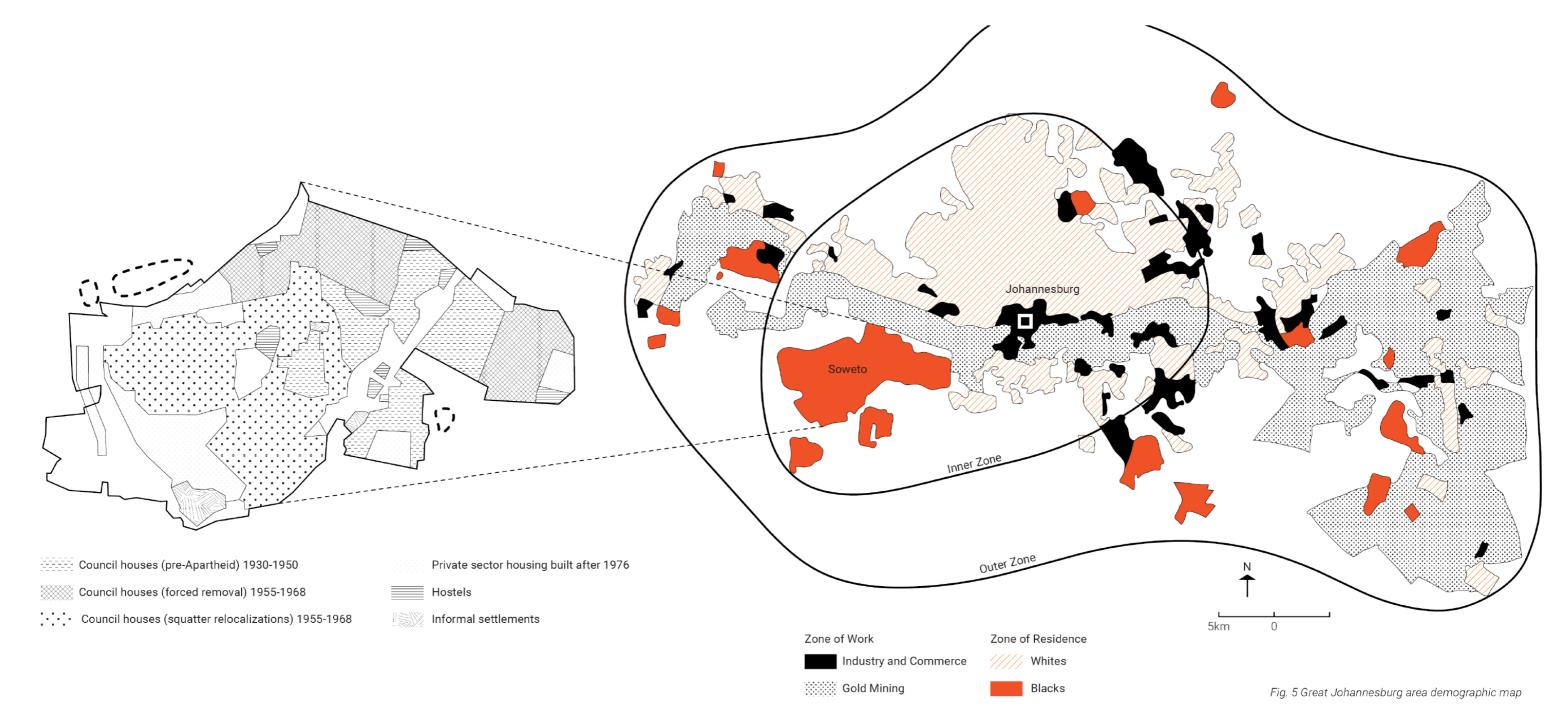


Fig. 2(Top): Layout of Witbank experimental "Native" township. (Source: Calderwood, 1953)

Fig. 4(Bottom-right): Khayelitsha Township - Outline plan. (Source: Calderwood, 1953)

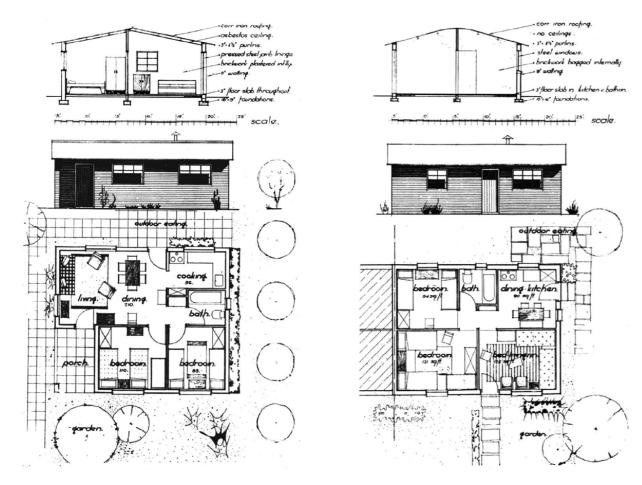
Fig. 3(Bottom-left): Detail of the experimental Kwa-Thema Township, Springs. (Source: Calderwood, 1953)

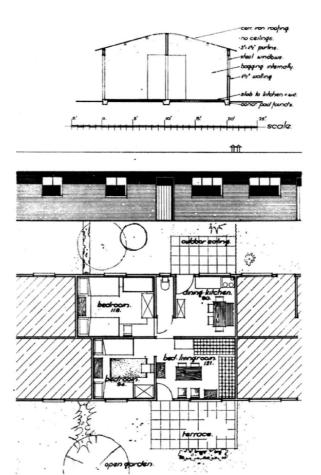




For economic, political and social reasons, South Africa wanted very badly to be accepted into the post-war community of nations as a 'modern' state, as a nation of laws. The tidal wave of legislation that followed independence, which included the apartheid laws, was justified as necessary to the transition of South Africa from colony to nation.

Soweto is an abbreviation for South Western Townships and is located southwest of Johannesburg. Its formation, development and changes are a microcosm of modern South African history. When gold was discovered in Johannesburg more than 100 years ago, a large number of black laborers from all over South Africa and neighboring countries came here. Because most of the gold mines were in the south of the city, and the open countryside was full of dust, white people chose to live in the north of the city, while black miners lived near the gold mines, forming the miners' residential area at that time. With the various racial segregation policies implemented by the government, this miner's residential area gradually evolved into the current black township.





In the 1950s, a group of architects at the prestigious University of Witswatersrand in Johannesburg proposed to solve the 'native housing problem' by designing a series of matchbox houses with minimal toilet cores whose repetitive sterile forms became ubiquitous across the sprawling township landscapes. This vision was quickly adopted and implemented by an enthusiastic government. In five short years the government systematically assumed control over the mundane, ubiquitous, multi-scalar spaces of daily life.

Yet, in retrospect, it is easy to see how by setting apartheid in motion, the Nationalist regime sowed the seeds of its own downfall. By racializing bodies, by rigidly spatializing segregation, by dehumanizing the vast majority of the country, the apartheid government also gave the majority non-white population a vital protest tool.

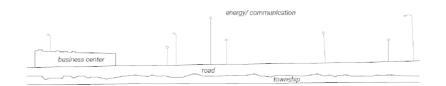
- Fig. 6(above left) Plan, elevation and section of a two-bedroomed, economic house
- Fig. 7(above mid) Plan, elevation and section of a two-bedroomed, sub-economic house
- Fig. 8(above right) Plan, elevation and section of a two-bedroomed, sub-sub-economic house
- Fig. 9(bottom first) Native building workers engaged upon one of the tasks; building up gable ends
- Fig. 10(bottom second) Street scene showing sub-economic houses in Kwa-Thema
- Fig. 11(bottom third) A neighbourhood shopping center
- Fig. 12(bottom last) Panoramic view of neighbourhood I showing extent of building in the first eighteen months of operations



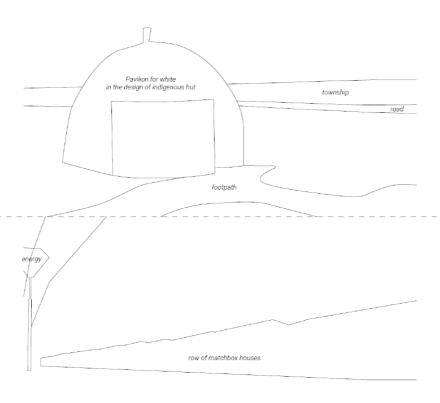






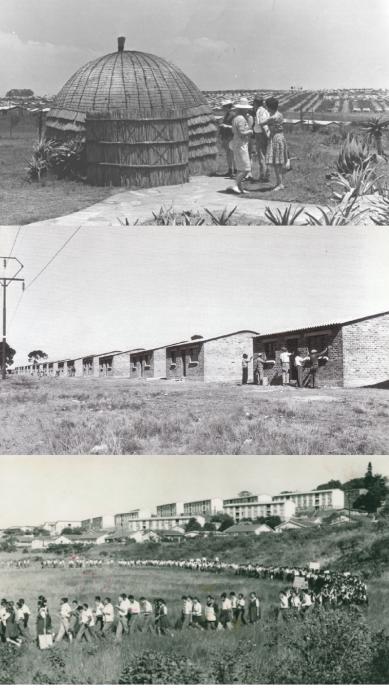


While these are the key pieces of apartheid legislation, there were many more with serious spatial consequences, including the Separate Amenities Act of 1953 which dictated separate drinking fountains, separate bathrooms (when blacks and 'coloreds' were provided with these facilities at all), separate entrances to buildings, and separate platforms at train stations. In addition, there were more mundane and routine extra-legal segregation strategies to reinforce these laws. Interaction between white and non-white South Africans was heavily constrained by a wide range of social, moral and religious attitudes ingrained in the majority of white thinking. Even within the legal framework of the country, laws governing public behavior, assault and rape were unevenly applied across the races, and special legal techniques that further constrained spatial movement were enacted. Key among the latter was 'banning' (1982), a legally enforced designation where the banned person was confined to a given area and not allowed to be in a room with more than one person at a time to prevent anti-apartheid gatherings.

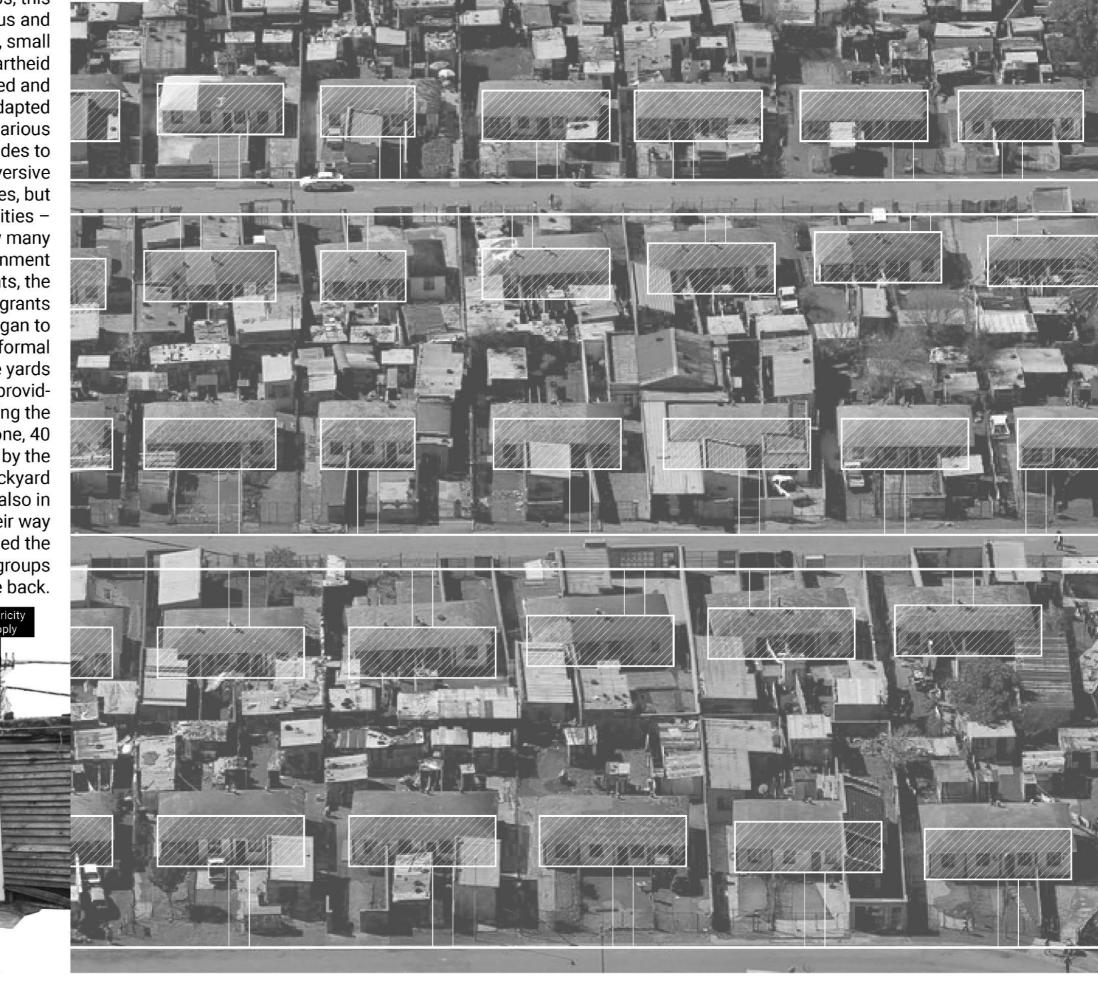








When viewed at the scale of the townships, this housing produced scenes of monotonous and sprawling landscapes. Yet, at a human scale, small but meaningful reactions against the apartheid government's totalitarian vision of racialized and controlled bodies arose. Residents often adapted their shacks, personalizing them through various tweaks, from incremental additions and upgrades to creative uses of scavenged materials. Subversive adaptations not only transformed the houses, but also the land. The economic potential of the cities and lack thereof in the Bantustans - drew many illegal migrants to urban areas. With government housing accessible only to legal residents, the demand for alternative housing for these migrants was high. The sterile township landscape began to be dotted by 'backyard shacks.' These informal structures were constructed in the private yards behind the matchbox houses and rented out, providing much needed housing and supplementing the income of the legal residents. In Soweto alone, 40 percent of the houses had backyard shacks by the end of apartheid. The subversive nature of backyard shacks was not only in their existence but also in their invisibility; these shacks never found their way to the front yards - and the police who patrolled the townships in heavily armed and frightened groups rarely attempted to look around the back.



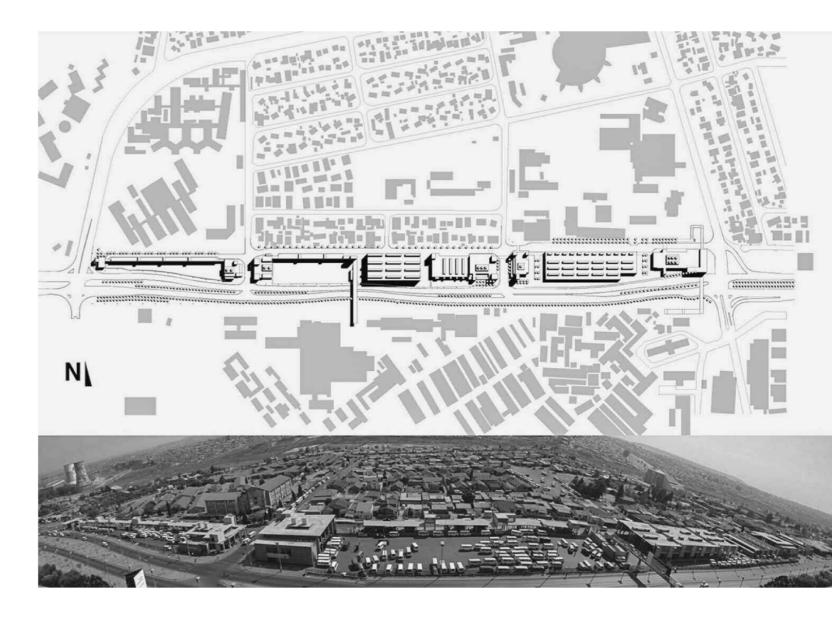
...spatial production must be understood as part of an evolving sequence, with no fixed start or finish, and that multiple actors contribute at various stages.

(Aswan, Schneider and Till 2011: 29)

While a growing number of the black middle class are finding housing and economic opportunities outside the townships, many in the black working class are trying to generate opportunities with their continued limited resources. The persistent high rate of unemployment amongst the black population, nearly 30 percent, leads many to continue to cross the formal/informal boundary and seek out employment in the informal sector. For instance, the black taxis have continued to flourish post-apartheid. Carrying 15 million passengers daily, they have an estimated annual turnover of over 15 billion Rands and nearly half a million families are dependent on the sector for their livelihood.

Nodes of informal activity are flourishing, from entrepreneurial residents engaging in a wide variety of businesses run out of their homes or hastily constructed shacks and shipping containers to trading nodes that develop in the inner city around areas of high pedestrian volume such as transit hubs.

While transport provides linkage between neighborhoods, there still remains throughout South Africa the need for spaces that provide for and support interaction within neighborhoods and even larger precincts. The apartheid government carefully controlled the collective occupation of public space to minimize the visibility of non-whites in the white city and to dilute the potential opportunities for resistance in the townships. This control not only led, in part, to the destruction of rich, diverse communities such as District Six (in Cape Town) and Sophiatown (in Johannesburg), but it also meant that a robust and dynamic public culture never evolved in either the townships or the cities. As a result, interactions that might otherwise have occurred outside often became internalized, occurring in buildings where they could be either highly controlled by or escape the watchful eye of the state.







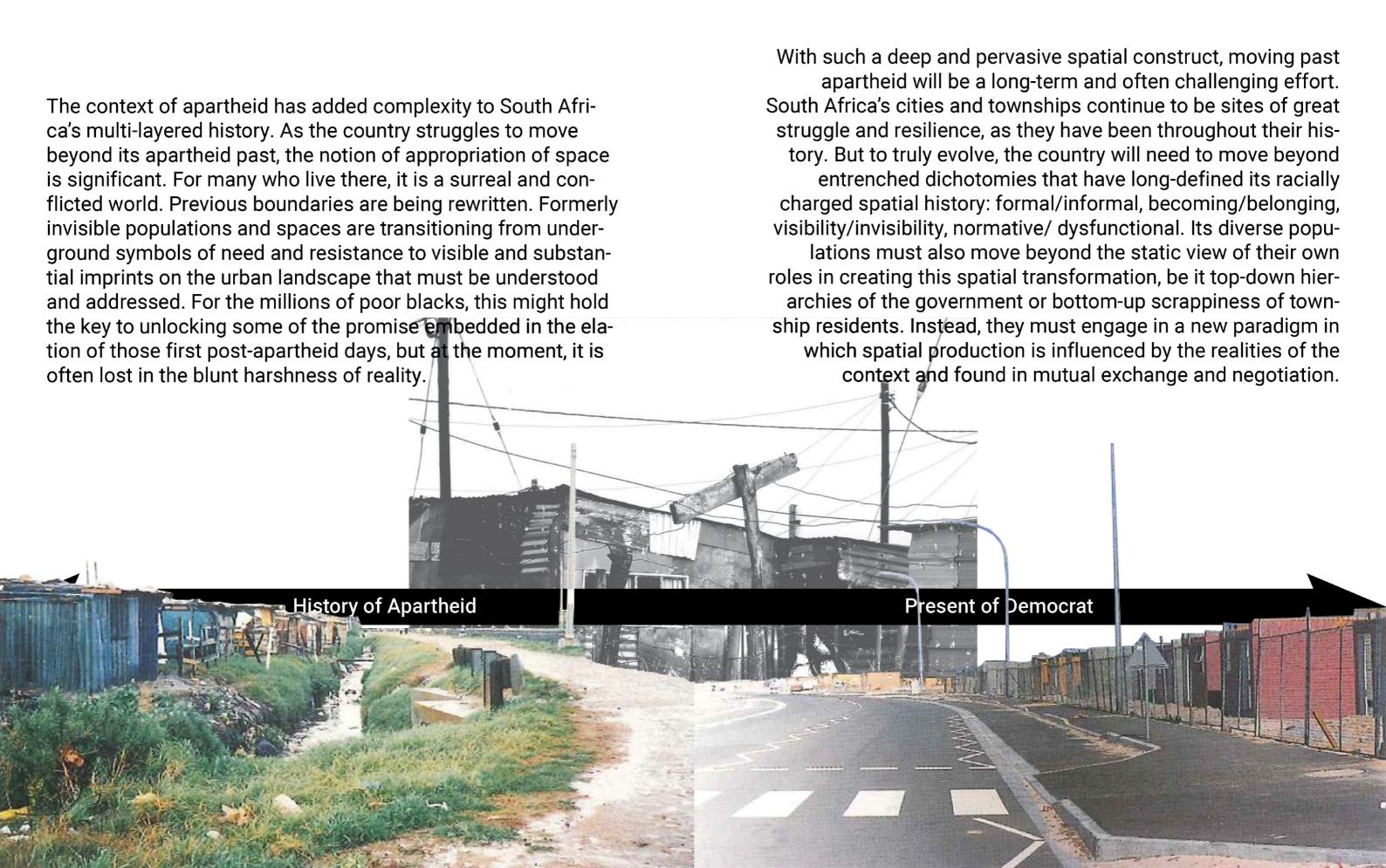


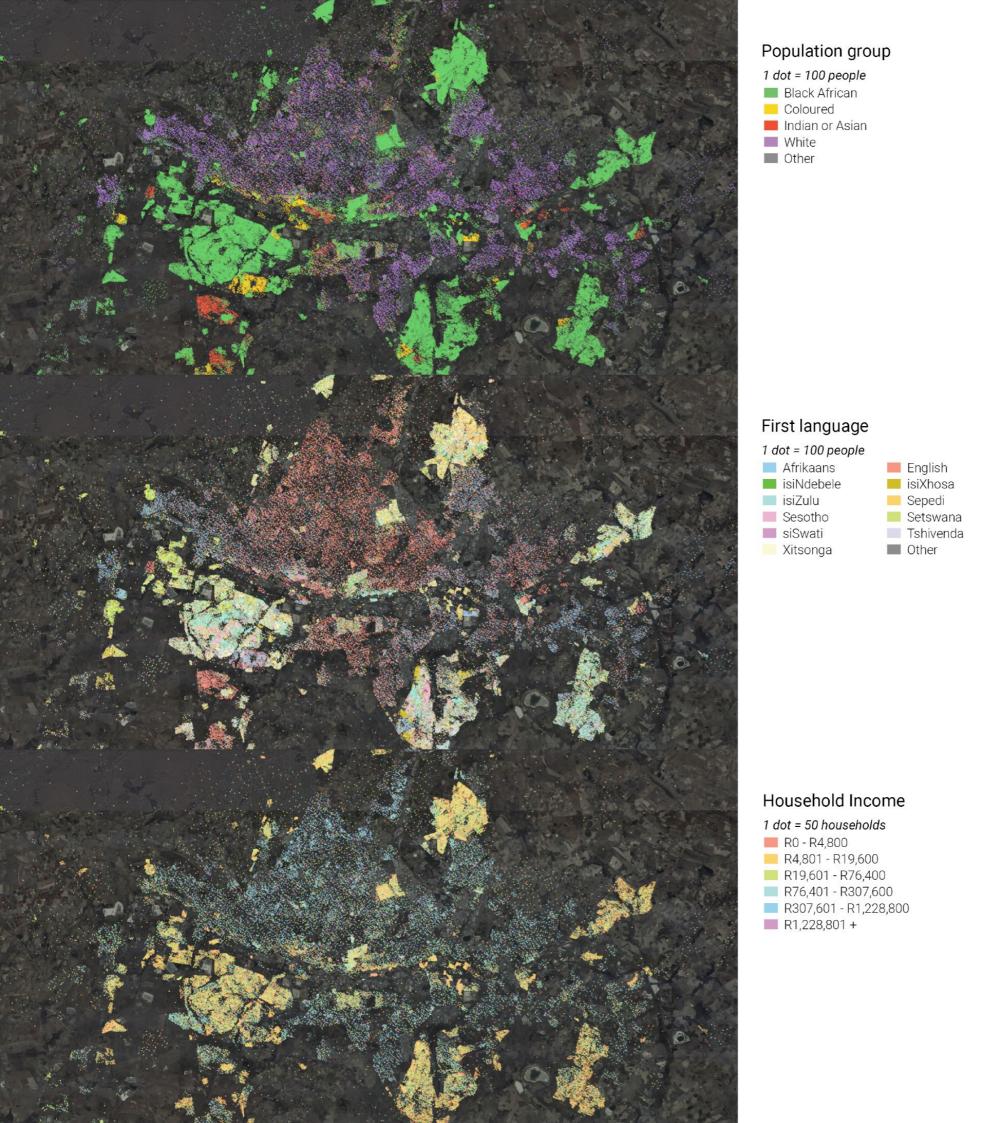


In the new era of the 'Rainbow Nation,' various individual projects have attempted to redefine public space.

Baragwanath (Bara) Taxi Rank, Soweto, a multimodal transit center designed by Ludwig Hansen.

It is an example embodying the mix of different parties' attemptation in defining the public spaces





The scale of the housing need is so large that the other major provider of housing for the poor is the poor themselves. By 2009, nearly one in four households in South Africa lived in informal dwellings or traditional housing. The rate of informal settlements across the country has continued to grow steadily, rising from 300 at the end of apartheid to approximately 2,700 today. Although often made of impermanent materials such as corrugated metal, these shacks and the settlements that they form have effectively become permanent fixtures on the landscape. They are, ironically, an unintended but critical part of the post-apartheid housing reality. In the failure of the ANC government to either build or incentivize housing construction, these informal cities constitute a de facto, if illegal, official housing policy.

Since the turbulent years of Late Apartheid and heady years immediately after the fall of apartheid, South Africa has continued to evolve to a future beyond 'post-apartheid.' The time span of the past two decades has been relatively short compared to the more than 45 years of apartheid and the preceding 50 years of racist British rule that laid its foundations. And yet, the interplay between social and spatial realities has been no less dynamic. South Africa has ascended to powerful positions on the global political and economic stage. Socially, the legacy of apartheid continues to viscerally shape daily life from the severely unequal education system to the burgeoning HIV/AIDS epidemic. Both disproportionately affect the non-white population, particularly blacks, and prove expensive and challenging impediments to creating a more equal society. Spatially, the deep impact of the control of bodily movement and interaction continues to dictate the geography and density of South African cities. All of these things help to reinforce a powerful new dividing force in South African society today: class. Of course, given the decades of racial disparity, the class division tends to run along racial lines. The country is by no means 'post-racial' and class has not replaced race. In fact, racism still remains a deeply ingrained and insidious presence.

Table 1 Monthly household incomes in Central Witwatersrand, 1990

	Whites	Indian	Coloured	African	Total
R0-999	17%	24%	60%	90%	58%
R1000-1999	27%	50%	26%	9%	17%
R2000+	56%	26%	14%	1%	25%

Source: Infraplan, 'Residential Viability Study: Phase 2', Report produced for Metropolitan Planning Department, Johannesburg City Council, 1991. Official exchange rate was about R4.5 to the UK pound by the tim

Table 2 Population densities in Central Witwatersrand, 1992

•	Population per hectare
Local authority	of developed land

### Predominantly black areas

Great Soweto	158	
Alexandra	688	
Dobsonville	229	
Diepmeadow	151	
Predominantly black areas		
Randburg	22	
Sandton	12	
Roodepoort	14	
Johannesburg	44	
ŭ		

Source: Deloitte & Touche. Problem Statement, Report produced for the CWMC, Water and Sanitation Task Team, Johannesburg, 1993.

Table 3 Status of land in Central Witwatersrand, 1992

Local authority	Developed (ha)	Undeveloped (ha)			
Predominantly black areas					
Great Soweto	7000	0			
Alexandra	462	234			
Dobsonville	700	7			
Diepmeadow	1900	1885			
Total	10,062	2126			
Predominantly black areas					
Randburg	5800	3300			
Sandton	14,315	0			
Roodepoort	12,320	5280			
Johannesburg	25,639	19,342			
Total					

Source: Deloitte & Touche. Problem Statement, Report produced for the CWMC, Water and Sanitation Task Team. Johannesburg, 1993.

Table 4 Spending by local authorities in Central Witwatersrand, 1992/93 Capital spend

(population)	per capita(R)	per capita(R)	per capita(R)
Predominantly black areas			
Great Soweto (1,800,000)	85	283	368
Alexandra (215,000)	59	339	398
Predominantly black areas			
Randburg (140,000)	348	1387	1735
Sandton (142,000)	665	1482	2147
Roodepoort (142,000)	387	1999	2386
Johannesburg (995,000)	530	2276	2806

Operating spend

Total spend

Source: Deloitte & Touche. Problem Statement, Report produced for the CWMC, Water and Sanitation Task Team, Johannesburg, 1993.

Table 5 Voting power in Cental Witwatersrand RSC

Local authority

Local authority	Population	Votes	People per vote
Predominantly black a	reas		
Great Soweto	2,100,000	17.27	121,600
Alexandra	200,000	0.83	241,000
Dobsonville	160,000	0.99	161,600
Diepmeadow	192,700	6.43	30,000
Predominantly black a	reas		
Randburg	74,300	8.50	8700
Sandton	86,000	5.22	16500
Roodepoort	141,700	15.34	9200
Johannesburg	632,300	40.28	15700

Source: luta's RSC Report. Johannesburg. Divaris Stein Publishers, 1990

Table 6 Water consumption and services in Central Witwatersrand, 1991/92

Local authority	Water consumed per person p.a. (kL)	No. of people without water piped to house	Time emergency service available each week
Predominantly black areas	5		

Great Soweto	53	481,000	6.5h x 5d
Alexandra	22	203,500	14h x 5d
TPA informal settlements	n.a.	110,000	8h x 5d
Predominantly black areas			
Randburg	115	7000	24h x 7d
Sandton	158	4000	24h x 7d
Roodepoort	85	0	24h x 7d
Johannesburg	151	6000	24h x 7d

Source: Deloitte & Touche. Problem Statement, Report produced for the CWMC, Water and Sanitation Task Team, Johannesburg, 1993.

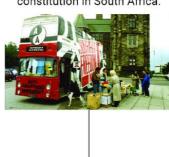
# From the window of a plane it is easy to see that the spatial impacts of apartheid still shape South Africa at every scale of community. Even the smallest country towns are really two towns: here, comfortable houses with gardens inhabit a grid of tree-lined streets; and over there, a couple of kilometers away and connected by a dirt road, a dusty geometric pattern of small shacks crouch on tiny lots with packed earth yards. The white town, the black township. This dual apartheid landscape has not yet been undone and persists regardless of political changes.

# Forces outside-in

World Conference on Sanctions against Racist South Africa, organised by the UN in cooperation with the OAU and the Movement of Non-aligned Countries.



The AAM converted its 'Boycott Bandwagon' into a 'Freedom Bus' after the release of Nelson Mandela and the opening of negotiations for a democratic constitution in South Africa.



Then-South African President F.W. de Klerk, left, shakes hands with African National Congress President Nelson Mandela in 1991.



Racially motivated land tenure policies were officially repealed in 1994, following the democratic election that brought the African National Congress party to power.



Private minibuses known as black taxis, which provided transport in the townships under apartheid and continue to thrive today.



Persisted informal commercial enterprise. Spazas often provided credit, were open at all hours, and were located in great numbers on regularly traveled paths.



Poster about job reservation and restrictions on the right of African workers to organize under apartheid. Others in the series focused on Land, Education, Health and Housing and Law and Order.



The illegal bars, or shebeens, run out of matchbox houses in townships across the country.

Provided illegal public gatherings during Apartheid.

Forces bottom-up











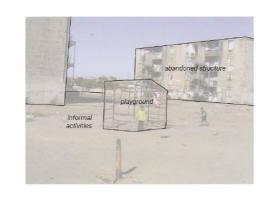
























# A BIRD'S-EYE VIEW of PEIPING and ENVIRONS

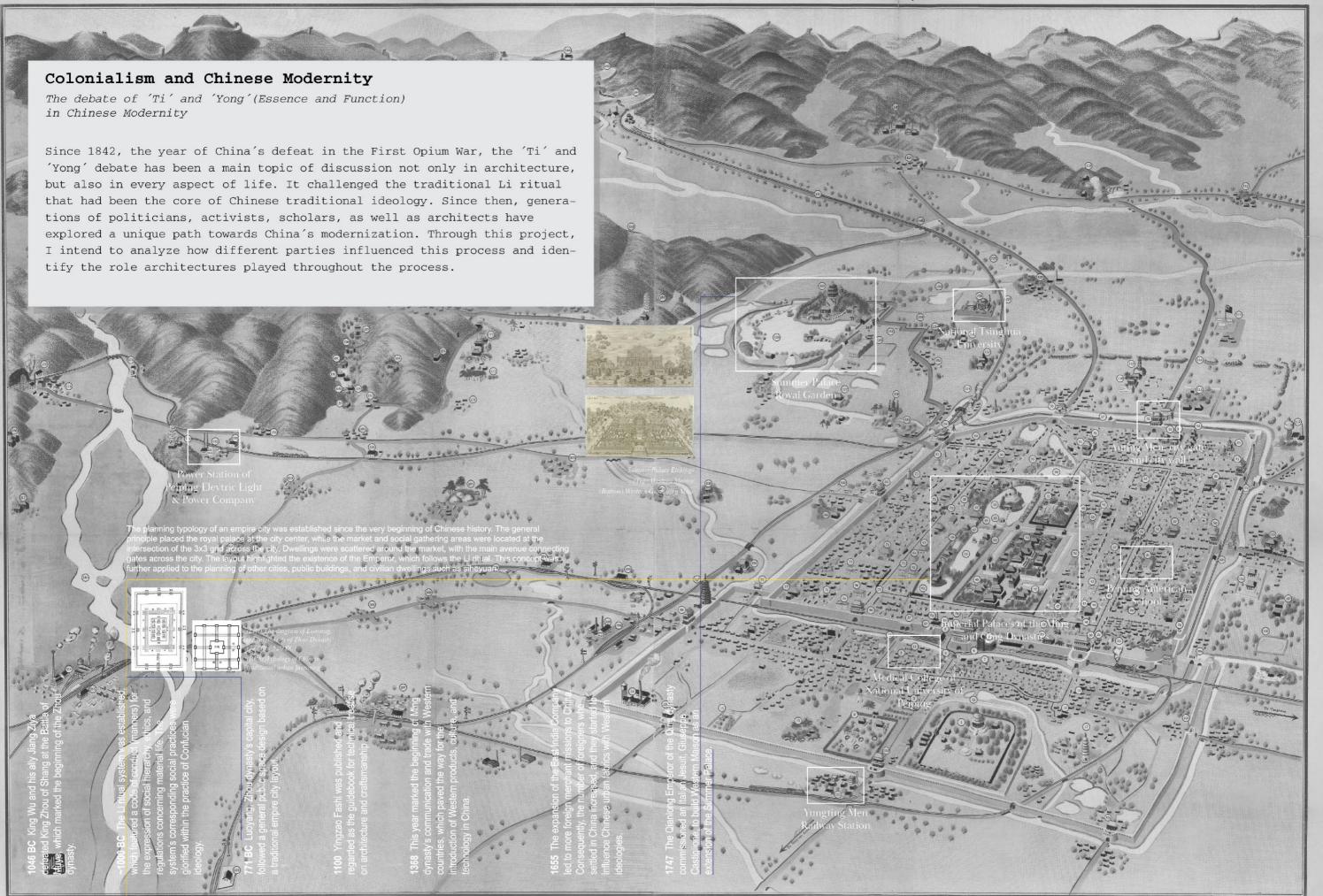


Fig1.(Background) A Bird's-eye view of Peiping and environs, 1936, the Peiping Chronicle.

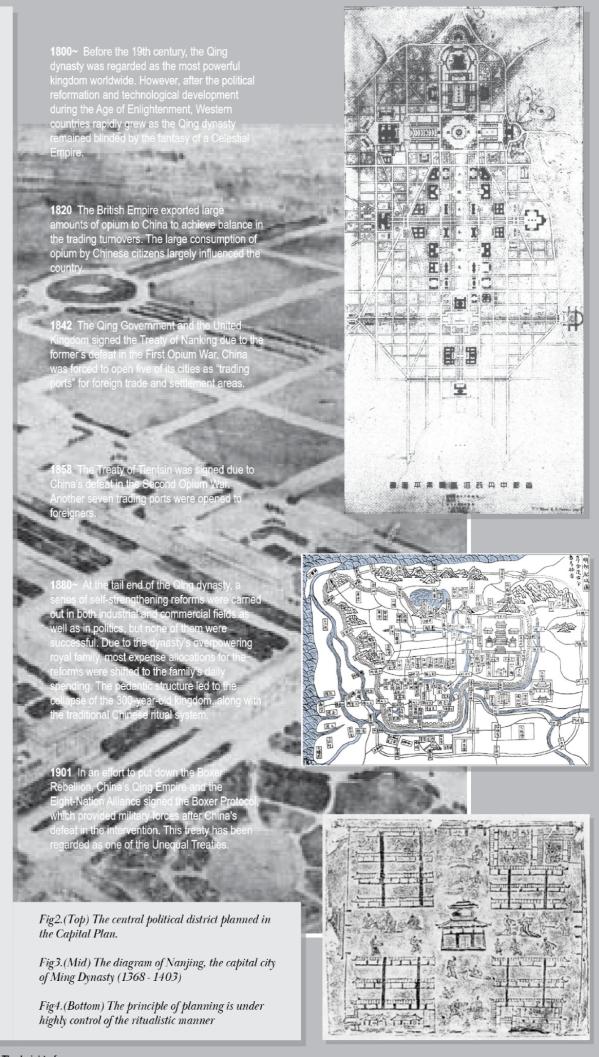
## Nanjing- Capital Proposal

In the year 1929, Kuomintang government (the leading party of modern China before PRC, 1949) unleashed their proposal of the planning of the new national capital in Nanjing. It was the most ambitious architectural and planning project undertaken by the Kuomintang during the Nanjing government. The overall design was a result of cooperation of Western architects and Chinese architects with experience of studying abroad (mainly in America and Japan). Led by American architect Henry Killam Murphy, urban planner Ernest P. Goodrich and Chinese architect Lü Yanzhi ( 呂彥直, 1894-1929), they intended to practice 'Chinese Renaissance' architecture to demonstrate the determination of Nanjing Government to revive Chinese heritage with traditional architectural elements in combination with modern Western elements in Architecture and Urban Planning. From a historical perspective, the mission was to restore the glorious and splendid architecture and urban design traditions of the Chinese imperial era. At the same time, the project was also intended to provide people with an efficient, well-equipped and well-serviced living environment.

The planning and building of ancient Chinese towns was a product of ritualistic aspect (禮教). According to Confucian virtues, the planning of a city emerged as an idealization of city form, embodying the traditional value of class and manner. In the new proposal, the salient feature was the combination of modern Beaux-Arts axial planning with the traditional Chinese

urban space design concept. According to William C. Kirby, Nanjing was the first Chinese city to adopt comprehensive zoning and planning regulations designed according to international standards. Today, Nanjing can lay claim to being 'one of the most beautiful, clean, and well-planned cities in China. The city's urban infrastructure, like electricity, waste and transportation systems, was a huge milestone of modernization of Chinese urbanization but, at the same time, it maintained the identity of traditional cities.

The general architectural layout features both Chinese elements and Western theory, showing a strong combination of different styles. In the entire building complex, the main government building has a huge volume, the surrounding pillars support the upturned roof, and the building's plan layout, facade, windows and materials are modern. The Ministry of Transportation epitomized this approach and what sometimes was awkwardly referred to as 'Chinese Renaissance' architecture. The building was designed by Robert Fan (範文照, 1893-1979), a graduate of the University of Pennsylvania. It sits on a pronounced raised base (須彌座), with a symmetrical layout. The roof is upturned and has perfect proportions, supported by traditional paint and a Western-style flat concrete exterior wall and large glass windows. The building's architectural design of a roundabout embodies the core idea of the proposal: manipulation of traditional form based on the Western scientific theories. This planning proposal is a summary of the 70 years of modernization in China since the Opium War in 1840.



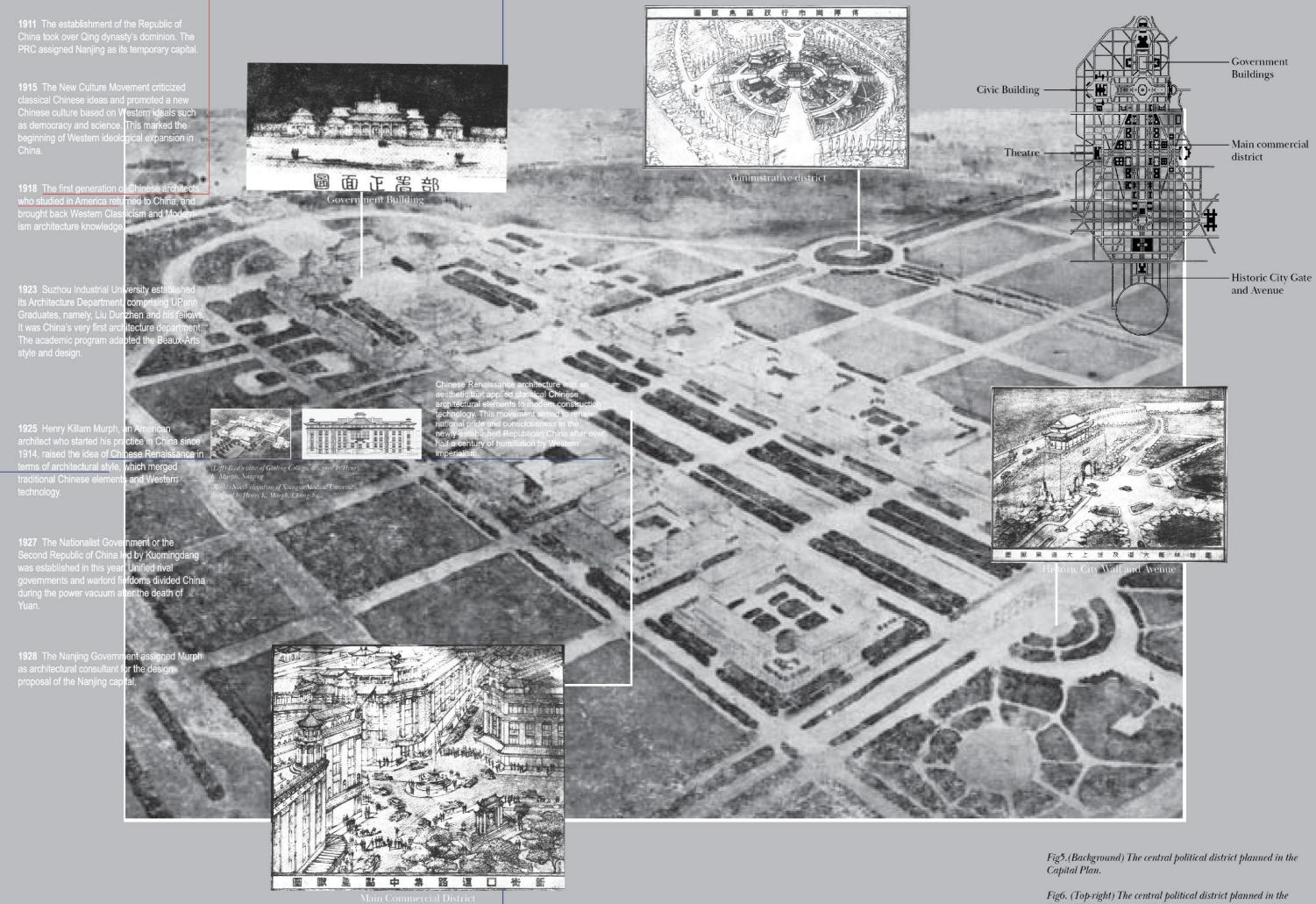
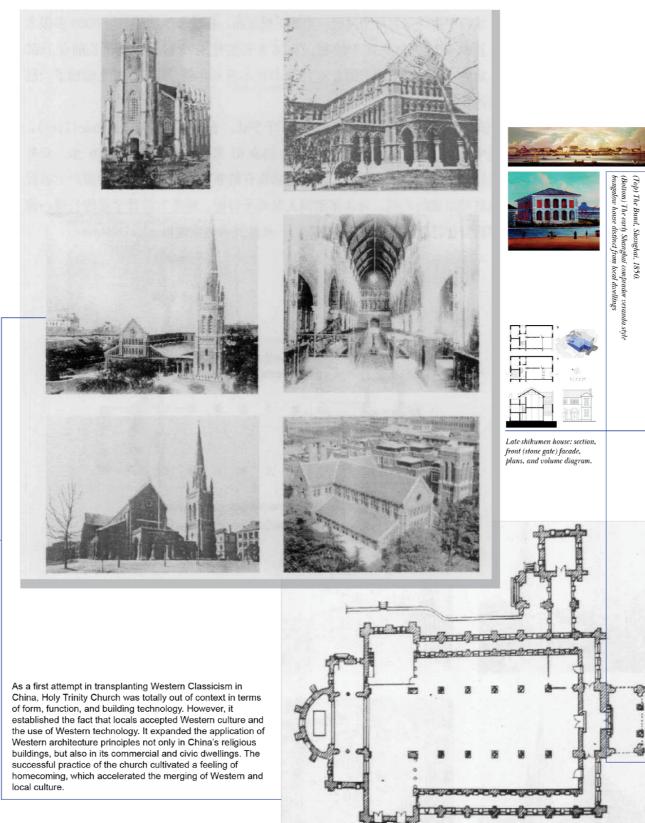


Fig6. (Top-right) The central political district planned in the Capital Plan figure ground diagram

Since 1842, the five trading ports so called 'concessions or 'settlements' were ceded to Britain under the Treaty of Nanjing, so the origin of Chinese modern urbanization is the UK. When the concessions were opened, they were originally a wasteland, with no decent houses, no real roads, and no municipal administration. In the concessions, foreign architects mainly adopted an eclecticism approach to express their colonial ambitions. The empty lot they were assigned gave them the perfect opportunity to practice their ideology of a modern Western city, express the 'civilizing mission' concept, and legitimize the flaunting colonial expansion. Holy Trinity Church in Shanghai, was the first piece of architecture designed by a professional architect, George Gilbert Scott (1811-1878), who was a famous British Gothic Revival architect at that time. The church is a masonry building with a red brick facade, and is commonly known as the 'Red Chapel'. The building plan is Latin Cross basilica style with an attached arcade. It adopts a Gothic Revival architecture style, but some parts show some aspects of eclecticism. Its elevation adopts the Italian Roman style composition with high middle and low sides, and three rows of continuous colonnades that divide the facade into three sections, but its cornice decoration style and arches type are completely Gothic except the one in the middle, which adopts roman arch architecture style. Instead of adopting Gothic clustered columns, single Roman columns were used alongside Gothic arches. The building of the Holy Trinity Church in Shanghai marked a new era, which saw professional architects from Western countries starting to participate in the modernization of China. Colonial empires generally destroy the traditional culture and replace it with the culture of the suzerainty. The so-called 'civilizing mission'-taking European 'advanced' technologies, ethics and other social norms to places outside of Europe-became an important argument for flaunting colonial expansion ('legitimacy').



1842 Captain George Balfour, UK's first Ambassador to China, arrived in Shanghai. which marked Shanghai as one of China's official trading ports.

1845 The colonial veranda-style buildings rapidly spread along the Bund, which addressed the legitimacy of occupants by foreigners.

1850 Francisco Xavier Church, the first Christian Church was built in Shanghai; it was constructed using a design created by a catholic missionary, Joannes Ferrer. The overall design was based on Chiesa di Sant' Ignazio di Loyola in Rome, albeit on a smaller scale.

1855 The modern real estate market was born in this year, with property trading of residential buildings between foreigners and local Chinese pushing the development of modern architecture. A new type of dwelling called Shikumen was developed for the local market, which combined the features of both traditional Chinese and Western architecture

1860 Western architects entered the Chinese architecture market, which fulfilled the requirements of Western clients and established the material supply chain.

**1866** Holy Trinity Church, designed by George Gilbert Scott, was the first architectural work in Shanghai by a known architect recognized by RIBA. In this year, Western architects officially entered the practice in the Far East region.

**1870** The veranda style was replaced by Western Classicism Architecture that expressed feelings of nostalgia among foreign settlers.

1880 Well-developed urban facilities such as lighting, water conservancy, and roads were built within the colony as a foundation of the modern urban system and the lifestyle of residents within the colony.

1890~ By the end of the 20th century, there

which legitimized their immoral invasion of other countries

Fig8.(Bottom) Plan of Holy Trinity Church

were at least six RIBA members who settled in Shanghai. A mature modern system of Western architecture practice was developed during this China established architecture as the physical embodiment of status involving the traditional ritual system, which legitimized the emperor's rule. In this sense, form ruled over function. In their colonies, Western countries used architecture as a tool that showed off the supremacy of Western culture,

Fig7.(Top) Photos of Holy Trinity Church, Shanghai, top left image is the initial design of the church

# Western theory, Chinese practice

Fig9.(Background) The site plan of Jiangnan Arsenal

Fig10.(Left) The front gate of Jiangnan Arsenal which

Fig11.(Mid) Within the factory where general layout is

Fig12.(Right) The overall zoning diagram of Jiangnan

totally western with different structural strategy but the openings on the facade are still traditional

tried to diminish the presence of western elements

# 圖面平局總造製南江

尺十代分每編尺美以

Unlike India, modern China never completely became a colony of any great power, and Western colonial forces did not manage to penetrate into vast areas with a low degree of urbanization. At the same time, the Qing government began the modernization and reconstruction of the army, forming a Self-Strengthening Movement (自強運動). This movement began in the 1860s and continued until the 1890s. The Westernization Movement was In thated with 'self-improvement' as its mission. During this period, military factories and other military facilities were constructed in a designated area. Although these buildings retain a lot of traditional architectural styles to some extent, modern architectural features are far from what the buildings of any previous era had. For example, the Jianghan Manufacturing Bureau, which was presided over by Li Hongzhang and built in 1865, adopted the layout of Western manufacturing factories although it retained some traditional Chinese architectural elements such as tiled roofs and wooden decorative lattice work as well as other traditional building elements. Although factories show features of modernity such as an open plan and linear layout, some buildings like the main hall still have the identity of Chinese courtyard houses (or siheyuan, 四合院). This exposes that the core idea of retaining Chinese architectural style. The design of the Bureau exposes the fact that the Qing government had to face the adaptiveness of traditional typology toward a changing world, and further on exemplifies how Chinese rulers perceived the essence of architecture and the interwinding relationship between architecture and politics.

1861 Through the estorffice and allowed personal were train machines, and scient machines, and scient machines, and scient received more ship a creation of wealth to country.

1865 Structe effort coordinate of the scient personal scient p

The 'Ti', 'Yong' debate

Chinese traditions brought up the debate of function and form, which went on throughout the whole process of Chinese modernization. The theory of 'self-improvement' later developed into the idea of 'Chinese learning for essential principles, Western learning for practical functions ' (中學為體, 西學為用). Fundamentally speaking, this is a binary concept of body and use, in which 'Ti' (體) refers to essence. 'Yong' (用) refers to form. How to learn from Western modern theories but still retain Chinese nationalism was an all-time topic among architects facing the Chinese condition no matter the Local ones or the Western ones. William H. Chaund, a Guangzhou architect with an English name, first put Chinese architecture in a broader cultural background. He believed that for a long time, China had not realized that architecture is a progressive discipline. In the Far Eastern Review published in 1919, he published an article titled 'Architectural Effort and Chinese Nationalism'. The article mentioned that there is inherent connection between the spirit (or tradition) between a nation and its architecture. He believed that 'a building must express the life, tradition, national spirit and dominating ideal of the period in which it is built. 'Chaund particularly emphasized the essence of architecture. 'The outstanding idea is this,' he declared: 'the sum total of our architectural development must be distinctly national in character and joyously Chinese in spirit.

The confliction between Western ideologies and

imperial dynasty, the Manchu-led Qing dynasty, which led to the establishment of the Republic of China

1 1 1/2

# Made in China, Made at Penn

The pioneers of professional Chinese architecture are those who received systematic Beaux-art architectural education at University of Pennsylvania, including: Liang Sicheng(梁思成), Yang Tingbao(楊廷寶) and Tong Jun(童雋). They were the first generation of architects to institutionalize Chinese architecture and practices, breaking the monopoly of foreign architects. Yang Tingbao's first work in China was Shenyang Railway Station. The main waiting hall of the building adopts an elegant semicircular dome structure. This design is directly influenced by Western railroad stations and it is difficult to find a feature of traditional Chinese architecture. The light structural colonnaded front porch and the glazing at the top of the waiting hall vault fully embody the advantages of Western modern building technologies and materials. Having been educated in a foreign country, the architects might be more familiar to the Western context than the domestic one. Under this circumstance, there was a necessity to thoroughly revise traditional Chinese practices in order to develop a certain kind of architecture that could adapt to the situation of China at that time but not obliterate nationalism, which had lasted for more than 2000 years. In the year 1931, Liang Sicheng joined the Society for Research in Chinese Architecture (營造學社) and started to conduct research on Traditional Chinese Architecture with Western architectural drawing tech-

niques he had learned from University of

Pennsylvania. The first question they faced was whether there was a distinct Beaux-art as the core and the traditional Chinese architectural system represented by 'Yingzao Fashi(營造法式), 'which could have provided a unified set of architectural standards for builders in ancient China. Compared with the idea of 'Chinese learning for essential principles, Western learning for practical functions 'in the Self-Strengthening Movement of the previous period, architecture can be transformed into an operating strategy of 'Chinese Form, Western Style ' due to its practical and visual considerations. Traditional Chinese architecture is concerned with decorative elements, while modern architecture embodies technical strategies or new structures. Therefore, on many occasions, whether it is about 'tradition' and 'modernization', or about 'China' and 'Western', majority of responses tend to focus on style rather than construction principles.

> Ta-Ching Government Bank building designed by Atkinson & Dallas in 1908

Shows the features of late Renaissance

1915 The comprador style (veranda style), which merged Oriental and Western Classicis architecture, became popular in the trading ports. This reflected an interwinding relationsh between local Chinese and foreigners.

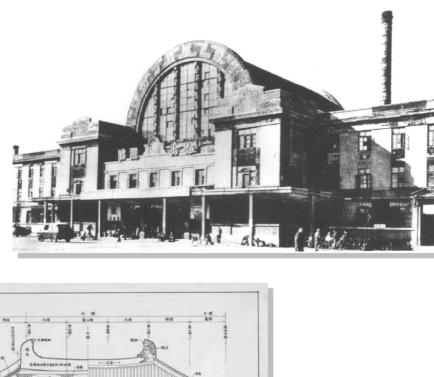
1894 Atkinson & Dallas from Britain was established in Shanghai, along with other professional foreign architecture firms. Togeth they initiated the modernization of Chinese

1925 In this year, Itô Chūta's Chinese Architec ture History was published, which was a summary of his study on Chinese Architecture History in the past 20 years. This publication la the foundation for architecture history studies b scholars from the field in China.

architectural style in ancient China.

chitectural education system with

Furthermore, they focused on Western ar-



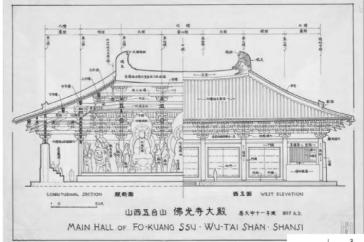


Fig13.(Top) Yang Tingbao, Shenyang Railway Station, 1927

Fig14.(Mid) Liang Sicheng, Section and Elevation of Main Hall of Ko Kuang Ssu, Wutai Mountain, Shanxi

Fig15.(Bottom) Liang Sicheng, The Chinese "Order"



1926 The Architectural History Society of China was founded by Chinese architects who completed their education overseas.



by Chinese student, 1954 (Right) A group photo of the first eration of Chinese architect in University of Pennsylvan

1931 Three graduates from UPenn founde Allied Architects in Shanghai. Chinese arch officially entered the market of architecture practice in China.

1928 Fengtian Northeastern University established its Architecture Department, adapting a Beaux-arts style education. This marked the formation of a framework for professional architecture practice.

· 稿柱.挂版 THE CHINESE "ORDER"

Society for Rese 1931 Liang Sicheng joined Society for Res in Chinese Architecture and commenced h research on Traditional Chinese Architectu

1932 Manchukuo, a puppet state of the Em of Japan in Northeast China and Inner Mong was established in this year. Its capital in Changchun adapted principles of Western modernism in urban planning, but it maintain

1935 Liang Sicheng led the design of the Nanjing National Central Museum, in which hadapted the traditional style of "large roof". The marked the start of the Chinese Renaissance after the New Culture Movement in 1910, reflecting a change in attitude towards traditic culture among Chinese architects.

modernism in urban its Oriental culture o

### Towards a new modernism

Placing the work undertaken by the first generation of Chinese architects in the macro context of the development of modern architecture, what is evident is not only the creation and development of various systems, but also the inheritance and transformation between systems. Chinese architecture has been influenced by both Western and local aspects. This process can be regarded as a holistic transformation paradigm. 'Chinese Renaissance' architecture by Henry Killam Murphy was first applied to churches, schools and some public buildings, and was further adopted by the Capital Proposal of Nanjing Government. The style attempted to combine different aspects but it still could not avoid the binary conflict in the essence and form as Chinese and Western elements are distinct owing to the different ideologies regarding the essence of architecture. In 1940, Mao Zedong finished the treatise on cultural theory, on New Democracy. He introduced two terms, jinghua (精華, quintessence) and zaopo (糟粕, <u>sediment</u>), avoiding the conflict of cultural background but considering them together as an objective practice. Placing Chinese and Western architecture on the same board, he attempted to develop the concept of Chinese materialism'socialist culture in a dialectical way, and to promote new ideas. It can be said that in Mao's thinking mode, the original difference between 'Ti' and 'Yong' is eliminated, the line of sight between the two is blurred, and the social ontological behavior and cultural characteristics are unified. At this stage, we can see a temporary reconciliation between Eastern and Western ideologies, and in 1949, when People's Republic of China was established, the country went on a path similar to that followed by its 'Big Brother', the Soviet Union.





(Bottom) Chongqing zoning diagram (Top-left) Generic residential building design (Top-right) Residential area planning

Mao held the idea that every colonial or semi-colonial country has its own unique path towards democracy, given that particular country's unique social and material conditions. Thus, each situation should be considered independently, including the ideologies held by its predecessor, companion, and even enemies.

1936 Japan raised the concept of "Five Races Under One Union" in Manchukuo, which was intended to legitimize its invasion of Northeast China. Architecturally, they used traditional elements from both China and Japan; it was a new typology of colonial architecture.

1937 The Kuomintang Government was forced to temporarily move the capital to Chongqing due to military threats from Japan. In Chongqing, the government enforced a series of policies, which was later regarded as the first practice of modern governance and planning on a greater urban scale.

1940 Mao raised the idea of the New Democracy, which aimed to overthrow feudalism and achieve independence from colonialism. The concept stood out against the colonialism and capitalism practices held by the Kuomintang, eventually gaining the support of proletariat masses.

**1945** Japan formally surrendered and retreated from the Chinese Mainland. China regained all the territories it previously lost to Japan.

**1949** In this year, CCP Chairman Mao Zedong formally established and proclaimed the People's Republic of China.

**1949** Beijing was selected as the capital of PRC. PRC's overall planning followed the Qing dynasty's old capital design and layout, but applied modern facilities.

1950 The PRC and the Soviet Union concluded the Sino-Soviet Treaty of Friendship, Alliance, and Mutual Assistance. The Soviet Union promised funding and technical support to China, which not only influenced the latter's economic growth and nation construction, but also its national ideology.

1950 Architecture under the influence of the Soviet Union followed a country-led direction in terms of form, which embodied and formalized national ideology.

**1953** The Chinese government initiated its first five-year plan, which aimed to boost economic growth and establish the foundation of industrialization and modernization that followed the example of the Soviet Union.

1955 Exploration of ways to express nationalism and socialism in the field of architecture was pervasive during this time. The traditional "large roofing" became a predominant form of architectural design.

In the immediate years after the proclamation of PRC, the Soviet Union became China's closest ally. Support from the Soviet Union laid the foundation for PRC's modernization and industrialization. Consequently, China adapted the same mode of production and national approaches as the Soviet Union, without regard for its unique situation. In the end, this move led to disastrous results in its social reforms.

Eliminating differences between "Ti" and "Yong" does not refer to eliminating the binary concept of form and function in architecture. Nevertheless, it set aside the cultural background of certain architectural elements and placed them on the same page, in which the architect makes a selection based on the situation. To some extent, this is a pragmatic methodology.



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Beijing Railway Station designed by Yang Tingbao with the guidance of Soviet experts in 1959. Occupied "Large roof" style above

# Run in Circles

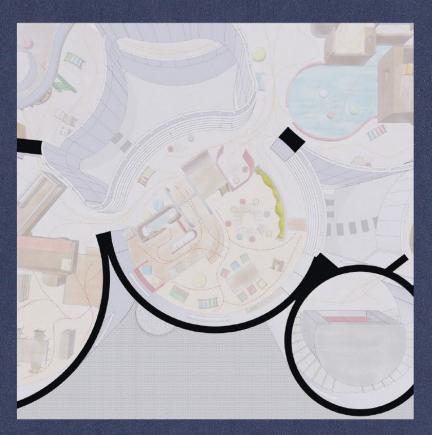
Spring 2022 Core Studio II Individual Project Professor: Benjamin Cadena An important part of education is to set up one's boundaries and respect another's boundaries. Under a highly urbanized condition like New York City, the recognition of boundaries of a kid is established by walls and fences which set out clear rules of behaviors. This project challenges the current ideology of spatial boundaries and brings up a new relationship between different spaces as the mechanism of pedagogy.



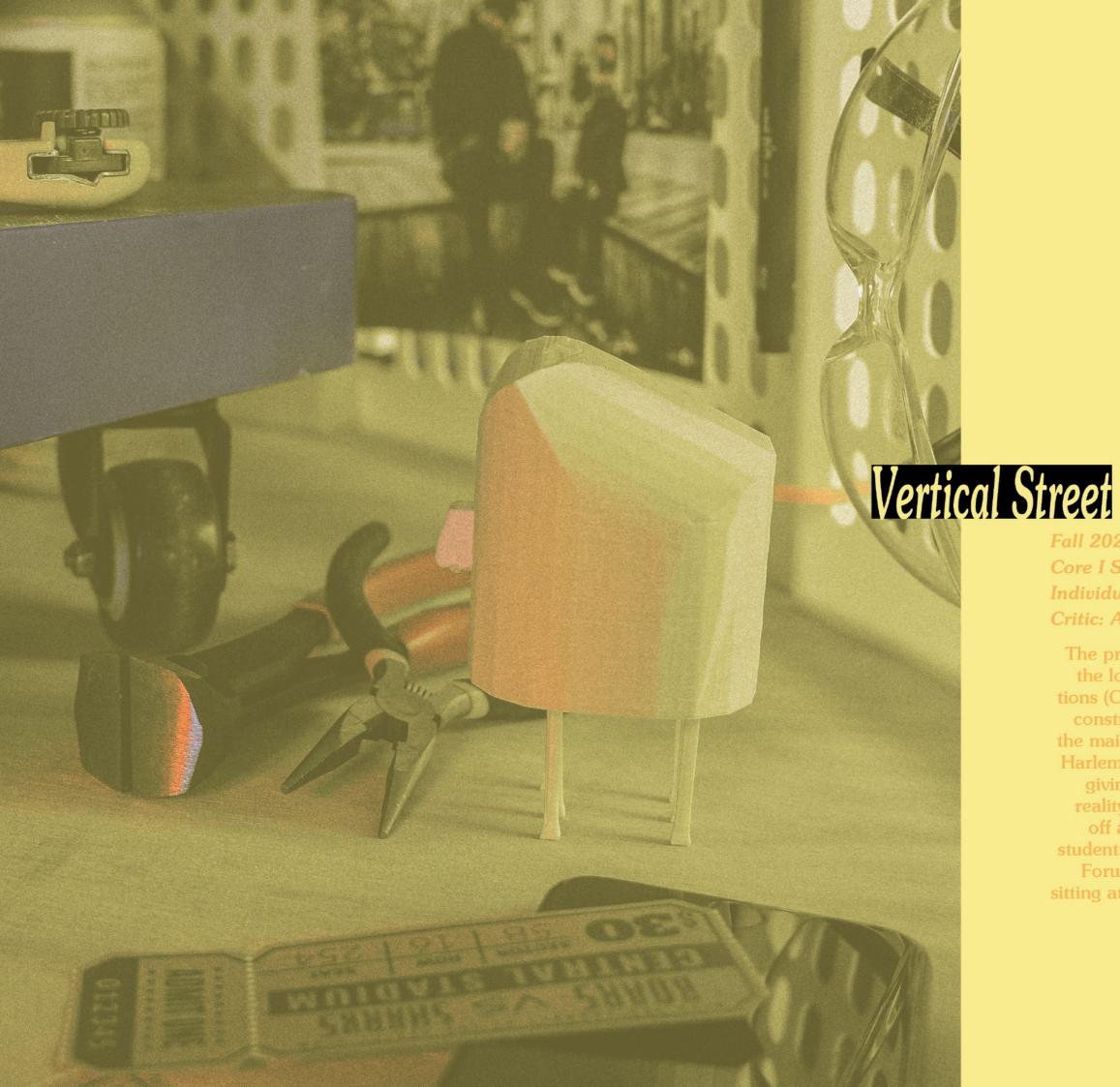






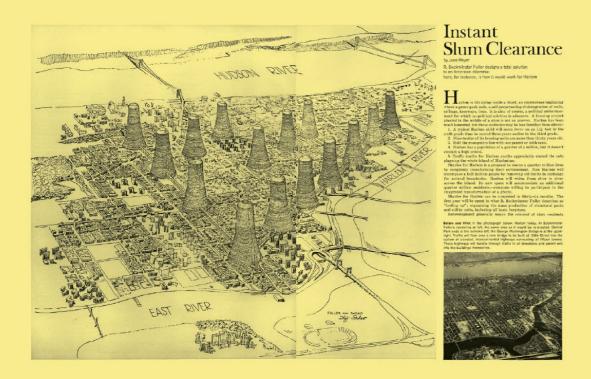




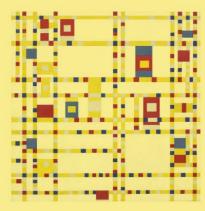


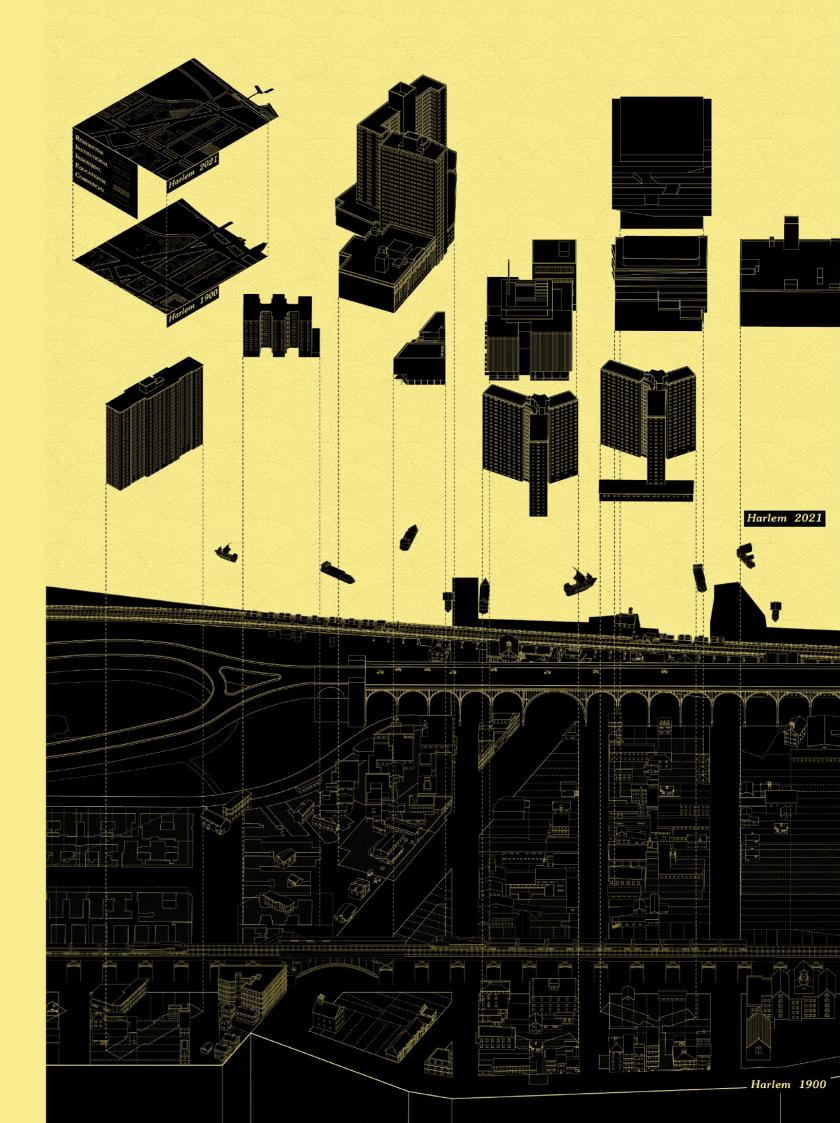
Fall 2021
Core I Studio
Individual Project
Critic: Alessandro Orsini

The project targets the tension between the local community and large institutions (Columbia University). The massive construction of the University is one of the main causes of gentrification in West Harlem. The Forum is regarded as a gift giving back to the community but the reality is the building is blocking locals off and merely used by the staffs and students on the other hand. It makes the Forum a void with a beautiful envelop sitting at the junction of the busiest street in the local area.



In 1964, June Jordan with architect Buckminister Fuller togeth er envision the future of West Harlem through the construction of super—scale infrastructure. As a district with thick history intertwined with urbanism, race, culture and erasure, the people of West Har lem has experienced sever damage both physically on their own street and mentally on their cultural recognition.

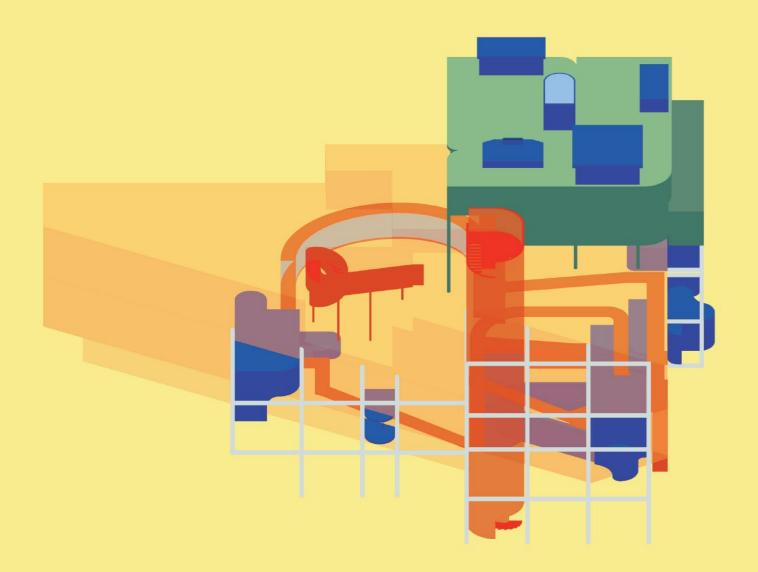


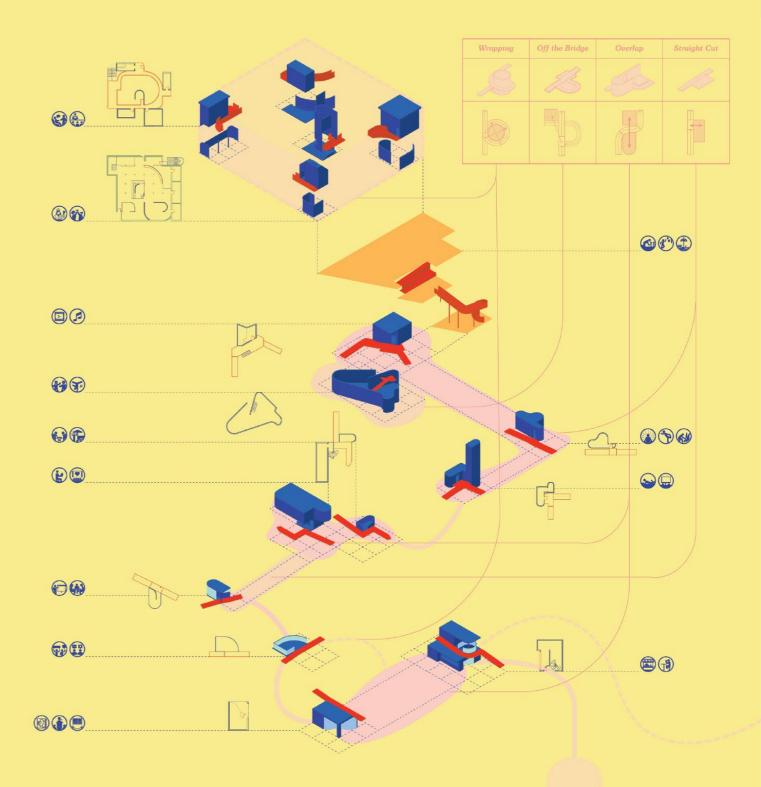




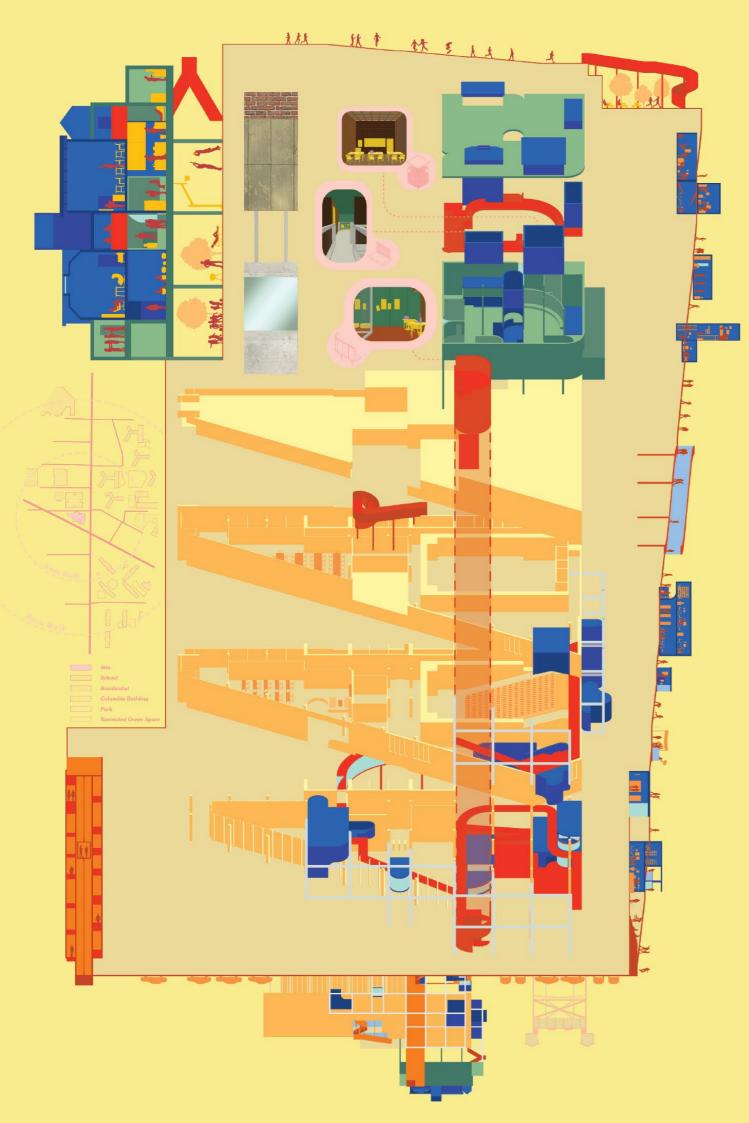


As the biggest landlord of NYC, Columbia massive construction project takes the main responsibility in local gentrification. Gentrification forced people to move away from their homes because of the unaffordable living expense, and local public services facilities could not afford anymore have had to close up. The compression from outside of the community leads to tension within the ommunity, especially among teenagers. West Harlem became the hotspot for teenagers crimes.





The key concept is to reintroducing the concept of street culture within the building. Walking along the ramp, which leads the visitors all the way up to the roof, platforms of different forms stick out as functional spaces. The overlapping of the street and spaces restores the missing open street local culture.

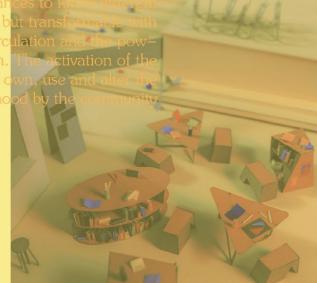


# Empowering



The project cooperates with two non-profit organizations: Street Lab and Taysha-

na Chicken Murphy Foundation aiming to provide various supplies the teenagers somewhere safe to go afterschool and chan people from the same place. The project is not a solid form by the daily use and people in use. It explores the meaning of circular of the spaces as activations under the users manipulation, space is a move of empowerment as returning the power of control of the space.





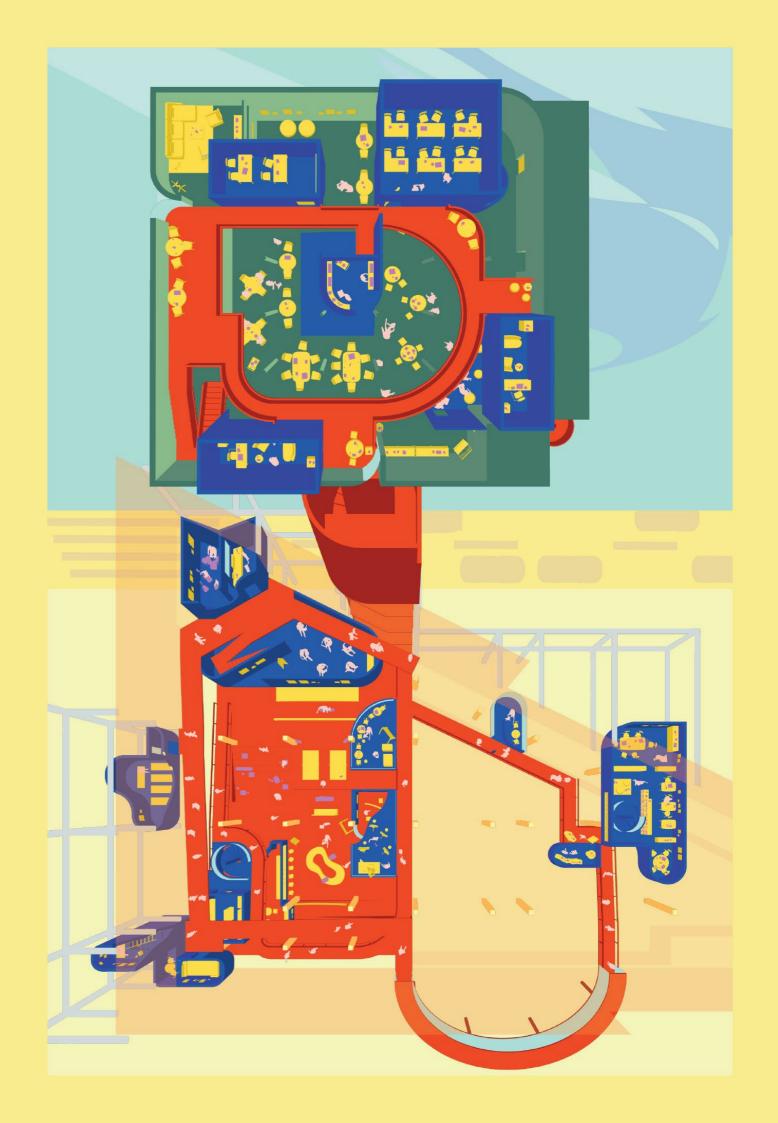


On the top level of the Forum is an extension to the existing building as a collective space for both the local community and student from Columbia University. It is a gathering space welcome everyone. More than open space for flexible use, a community kitchen and classrooms for afterschool club are depolied in this extension giving the oppoturnity to rethink the extent of space and usage.



# The New Commons





GSAPP Portfolio 2021-2024

by Steven Haoge Gan