ARCHITECTURE OF POWER



P4

24 / 05 / 2017

Henrique Matiz

CP

EN LA HABANA • CUBA

EL NUEVO

habana hilton

IN HAVANA • CUBA

THE NEW

habana hilton





SPONSORED BY THE PRESIDENT

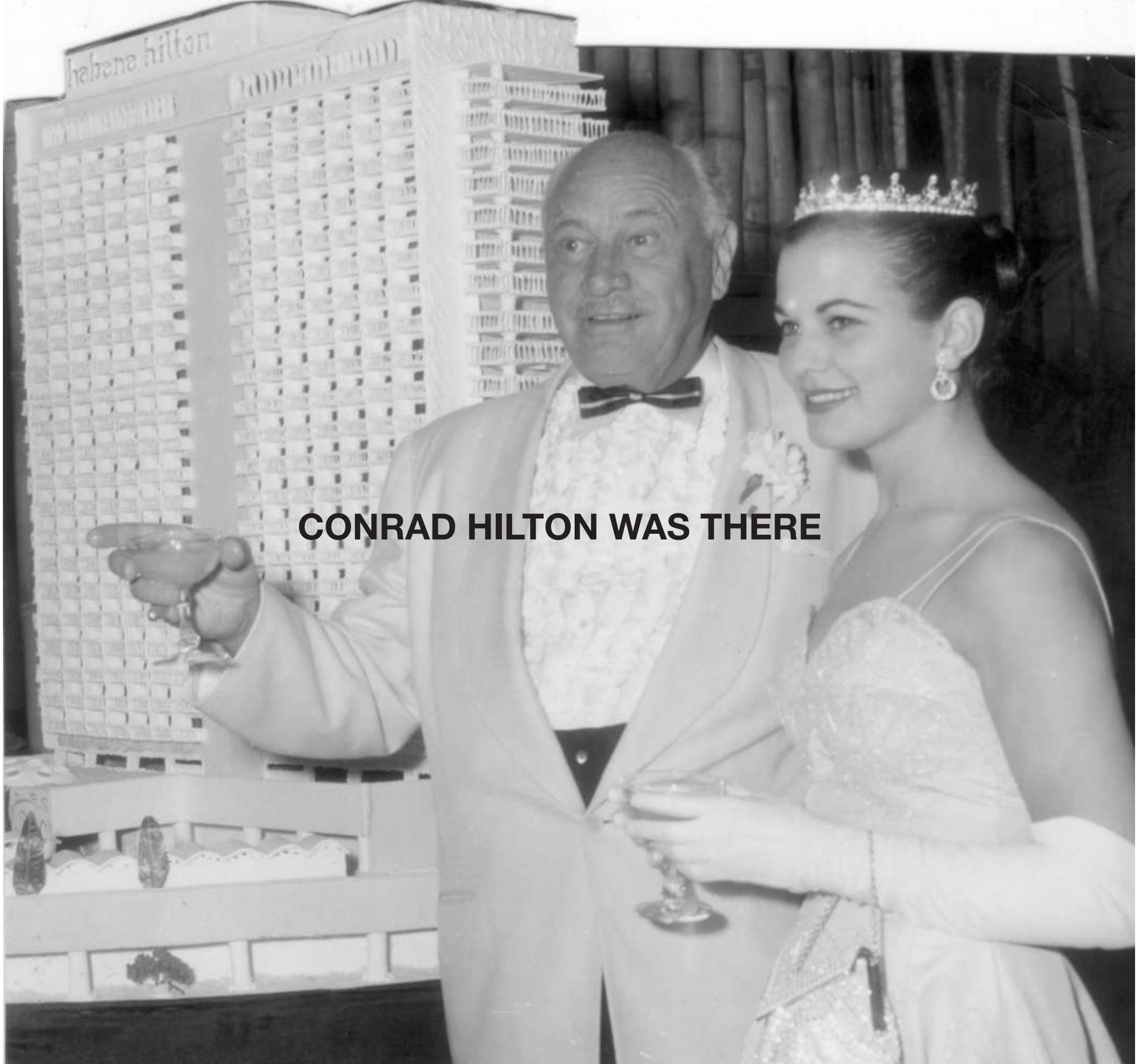


“LATIN AMERICA’S TALLEST, LARGEST HOTEL!”

HABANA HILTON SLOGAN, 1958



GLAMOROUS OPENING IN 1958



CONRAD HILTON WAS THERE



BECAME THE REVOLUTION'S HEADQUARTERS



“THE ONLY HOTEL IN CUBA TO HAVE BEEN THE SEAT OF THE GOVERNMENT”

TRYP HABANA LIBRE OFFICIAL WEBSITE



CURRENT STATE: NOT “FREE” (PRIVATIZED AGAIN)

REVOLUTION+ARCHITECTURE

POLITICS AND ARCHITECTURE

POLITICAL SHIFTS

AUTHORITARIANISM


SOCIALISM

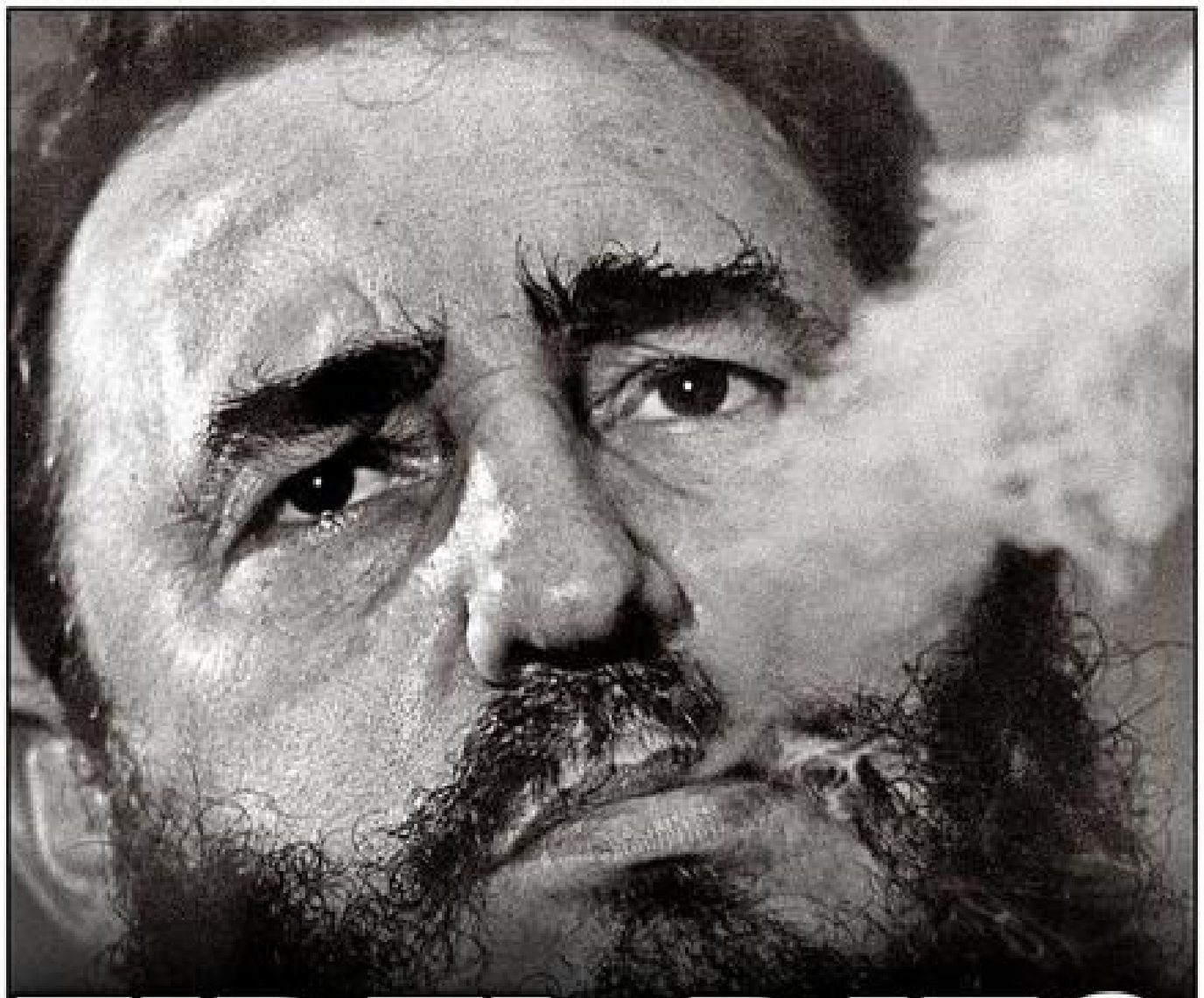
COMMUNISM

AMERICANISM?

$1.50 - NYDailyNews.com SPORTS FINAL Partly sunny, 54/38, Saturday, November 25, 2016

DAILY NEWS

NEW YORK'S HOMETOWN NEWSPAPER



FIDEL DIES

Cuba's longtime tyrant Castro, 90

PAGES 4-5

Research Question

What kind of architecture will be stimulated by the new political and economic shifts happening in Cuba?

GROUP STRATEGY





ARCHITECTURE OF POWER

A political landmark for a post-totalitarian Cuba



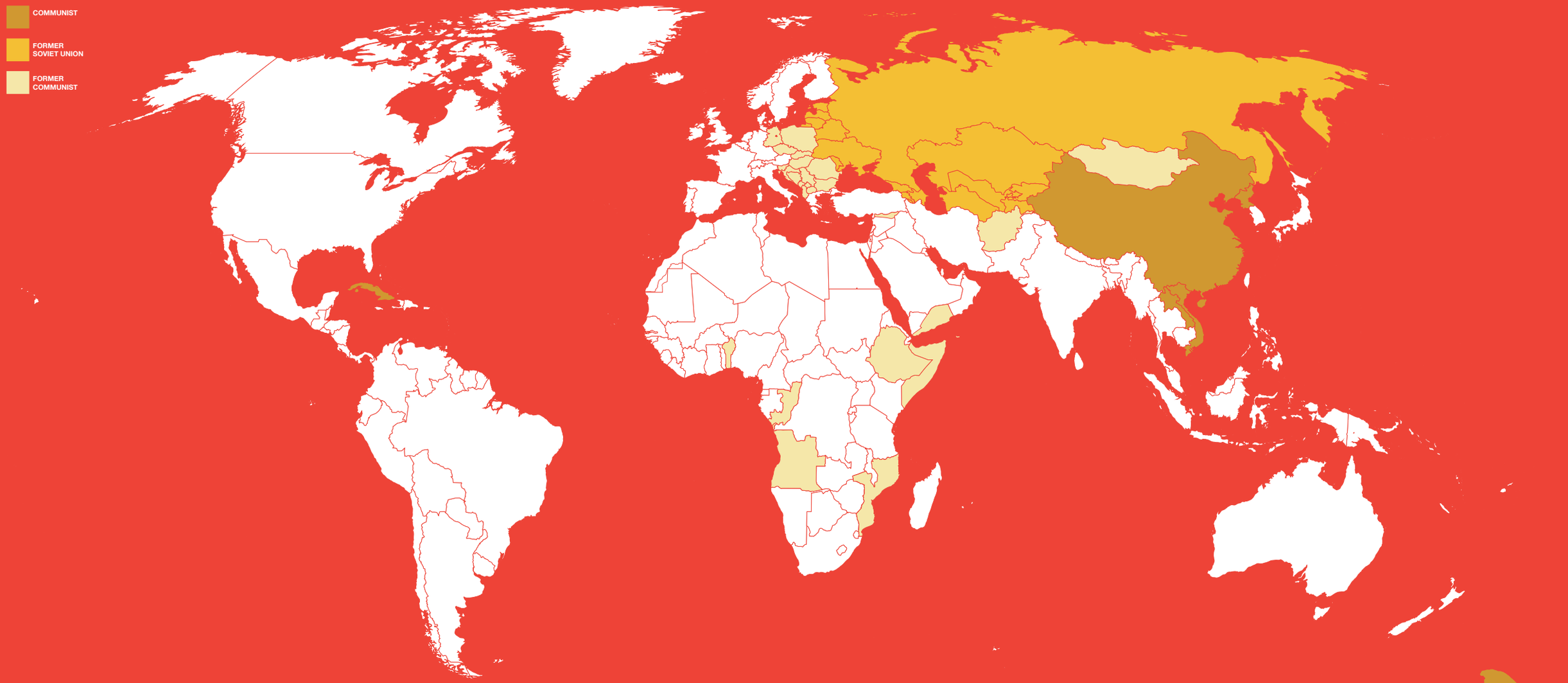
POLITICS

COMMUNISM AROUND THE WORLD

COMMUNIST

FORMER SOVIET UNION

FORMER COMMUNIST



CUBA

612/612



100%

The **Communist Party of Cuba** is the only party represented in the National Assembly and was founded by the revolutionaries who overthrew the dictatorship in **1959**. Ever since, the Castro family rules the country.

LAOS

132/149



89%

The **Revolutionary People's Party of Laos** is the only legal party since **1975**, was elected democraticly and was inspired by the Communist Party of Vietnam.

VIETNAM

475/496



96%

The **Communist Party of Vietnam** has its supremacy guaranteed by the constitution and defends a "socialist-oriented market economy", that started in **1976**.

NORTH KOREA

607/687



88%

The **Worker's Party** is recognized by the constitution as the leading party and has a coalition with the other 2 major parties. The same family has held power since **1948**.

CHINA



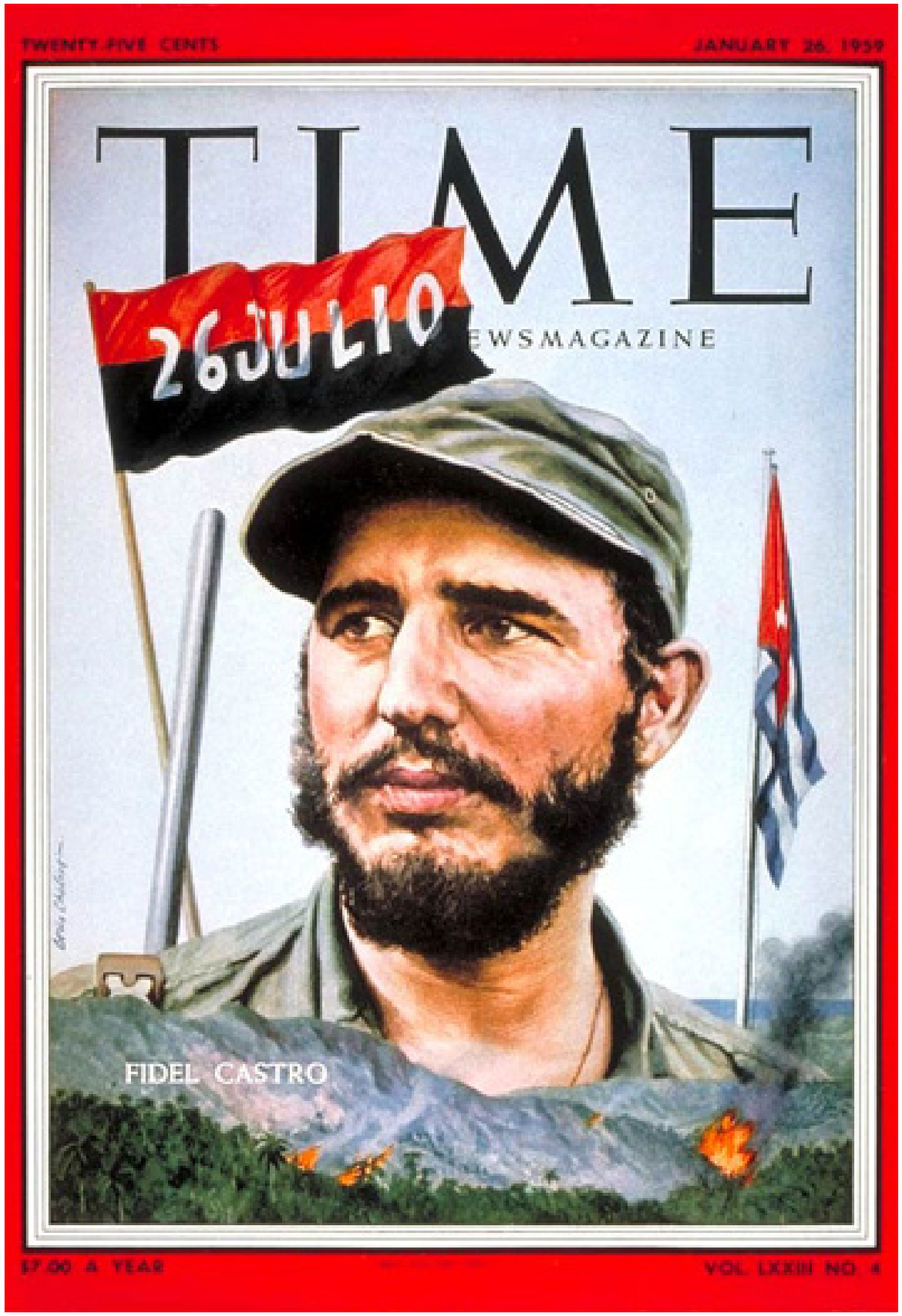
2157/2987

72%

The largest parliament in the world is leaded by the **Communist Party of China**, since **1949**. Although another party exists, it is controled by the CPC. The County's political ideology is that of a"socialist market economy" and has been thriving for the last decades.

AN IDEOLOGY IN EXTINCTION


evolución se hace
asas y para las
n un partido de las
para las masas
a razón de existir
rtido y todo su pres-
oda su autoridad es-
relación con la vincu-
eal que tenga con
as.
Fidel Castro
PCC = GOVERNMENT





Che Guevara with his Rolex Oyster Perpetual Submariner

A Time For Revolution

Whether affecting social change in Central America or lunching with his friend Salvador at *La Moneda* in Santiago, Ernesto "Che" Guevara relies on his Rolex Submariner, a timepiece which has earned its reputation for rugged reliability in all situations.



Rolex Oyster Perpetual Submariner Date Chronometer is available each and matching Oyster Flyleaf bracelet.
For the name and location of an Official Rolex Jeweller near you, please call 1-800-36 ROLEX.
Rolex, ®, Oyster Perpetual, Submariner, Oyster and Flyleaf are trademarks.

PROPAGANDA


LA REVOLUCIÓN
ES INVENCIBLE
BLOQUEO
EL GENOCIDIO MÁS LARGO DE LA HISTORIA
Hasta la Victoria Siempre
El CC Falcón
te felicitamos por tus
90 años
Fieles a nuestra
HISTORIA
NO PARQUEO
40
ISA
¡Oh, divino arte!
El arte, como la sal a los alimentos,
preserva las naciones.
José Martí
VENCEREMOS!
¡PATRIA O MUERTE
¡VIVA FIDEL!
¡VIVA FIDEL!
AÑO 58 DE LA REVOLUCIÓN

NOW CUBA IS FREE
We welcome our
American Friends
Fidel Castro

IN HAVANA
TROPICANA
CASINO

WORLD
Janzen
best of all SWIM SU

INTERNATIONAL RELATIONS



RUSSIA
USA
CHINA
SPAIN
MEXICO
VIETNAM
GERMANY
JAPAN



FRANCE
Major French firm builds a logistics hub



BRAZIL
Investment of 800$ mn. in the new Port



NORTH KOREA
Cuba has trading and diplomatic agreements with North-Korea that comprise weapons and military knowledge

VIETNAM
Vietnam is Cuba's second-largest trading partner in Asia since the 60s, only surpassed by China

USA
Negotiations for the ending embargo have started





VENEZUELA
Headquarters of ALBA are located in Caracas, the city in which Simon Bolivar was born

BOLIVIA

ALBA
(Bolivarian Aliance in America)

NICARAGUA

ECUADOR

SINGAPORE
Major port operator assigned to manage container terminal

HAVANA



RUSSIA + UAE
The two nations were negotiating building an international airport in Havana, a major transportation hub in Mariel and invest in its new port. Russia suggested at least an investment of 200$ mn.

COLOMBIA
Peace talks between the government of Colombia and the FARC took place in Havana



CANADA
CHILE
NAMIBIA
INDIA
IRAN
PHILIPPINES

CHINA
After the fall of the USSR in 1990 China became the new major trading partner of Cuba

PORT OF MARIEL

PIPELINE OF MATANZAS





USSR
Built the refinery and a pipeline that connects the two coasts



CHINA
Disclosed interest in refurbishing the refinery

REFINERY OF CIENFUEGOS

USA
Belongs to the USA since 1898

GUANTANAMO



VENEZUELA
Reopened the refinery and assured a steady supply of oil to Cuba



RUSSIA
USA
CHINA
SPAIN
MEXICO
VIETNAM
GERMANY
JAPAN



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GUANTANAMO



ANGOLA
Fidel sent troops to help the (Communist) MPLA-PT group to fight the civil war against South-African rebels

ALGERIA
Hundreds of Cuban troops were sent to fight in the Sand War during the 60s

ETHIOPIA
16 000 Cuban troops were sent to fight an attempt the Somali army, who invaded Ethiopia in the 70s

PALESTINE
Fidel sent financial and diplomatic support to Palestinian nationalist groups to fight Israel

IRISH REPUBLICANS
The Cuban government supports the Irish Republican political party Sinn Féin and their cause for a United Ireland.

SANDINISTA NATIONAL LIBERATION FRONT
Cuba supports the movement and provided them weapons during the proxy war with the USA

BLACK PANTHERS
During the 60s and 70s Cuba supported the Afro-american Marxist Black Panther Party

GUINEA
GUINEA-BISSAU
MOZAMBIQUE
YEMEN
DOMINICAN REPUBLIC

WARS



HUMANITARIAN AID

Cuban medical internationalism
(Cuban programme for sending doctors to work abroad)

NATURAL DISASTERS

HONDURAS
GUATEMALA
HAITI
CHILE
NICARAGUA
IRAN
PAKISTAN
SRI LANKA
INDONESIA

MEDICAL MISSIONS

SIERRA LEONE
BOTSWANA
SOLOMON ISLANDS
VANUATU
TUVALU
NAURU
PAPUA NEW GUINEA
FIJI

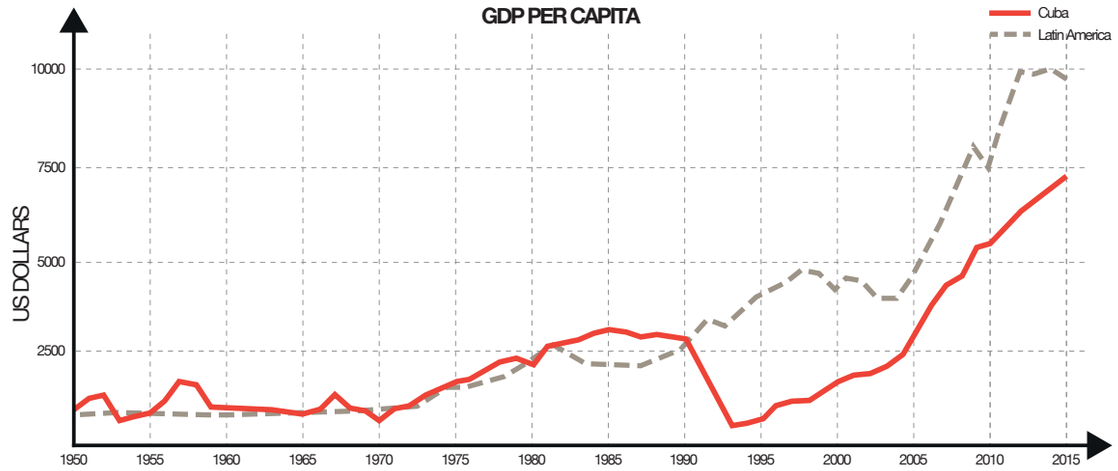
VENEZUELA
Cuba provides 31,000 Cuban doctors and dentists, plus training for 40,000 Venezuelan medical personnel in exchange of 100,000 barrels of oil per day

EAST TIMOR
Doctors were sent because the clashes between the East Timorese guerrilla and Indonesia left left many injured in a country with only 35 physicians

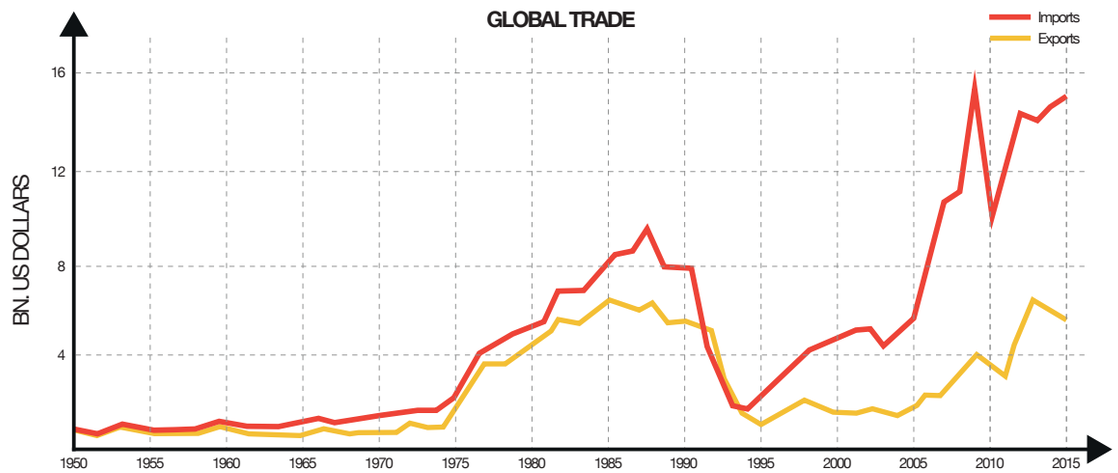
PAKISTAN
Since Cuba provided humanitarian assistance in 2005 to the victims of Kashmir earthquake the two nations have strengthen bilateral relations in education, agriculture, industry and military

SOUTH AFRICA
Doctors were sent given that the country went out of medical staff when the apartheid ended

CURRENT CONDITION


GDP PER CAPITA
Cuba
Latin America
US DOLLARS
10000
7500
5000
2500
1950
1955
1960
1965
1970
1975
1980
1985
1990
1995
2000
2005
2010
2015


GDP GROWTH RATE
Cuba
Latin America
PERCENTAGE
20
10
0
-10
1950
1955
1960
1965
1970
1975
1980
1985
1990
1995
2000
2005
2010
2015


GLOBAL TRADE
Imports
Exports
BN. US DOLLARS
16
12
8
4
1950
1955
1960
1965
1970
1975
1980
1985
1990
1995
2000
2005
2010
2015

“STRENGTHEN SOCIALISM”

RAÚL CASTRO

SOLUTION

(ACCORDING TO RAÚL CASTRO)

↓

EXPAND PRIVATE SECTOR
REDUCE THE ROLE OF THE STATE

ANOTHER POLITICAL SHIFT?

NORDIC MODEL

MOST PROSPEROUS NATIONS ACCORDING TO MANY RANKINGS

GLOBAL COMPETITIVENESS
EASE OF DOING BUSINESS
GLOBAL INNOVATION
HUMAN DEVELOPMENT
CORRUPTION
HAPPINESS
PROSPERITY
LIVABILITY
...

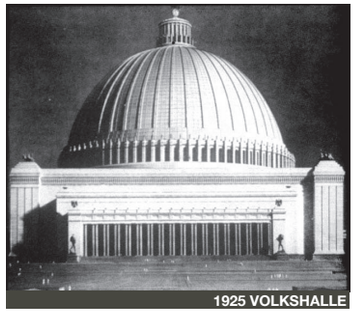
CAN ARCHITECTURE BECOME A SYMBOL OF A POLITICAL IDEOLOGY?

INTERACTIVE ARCHITECTURE
=
SOCIAL-DEMOCRATIC?

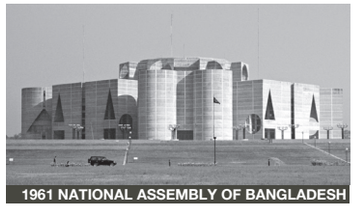
MONUMENTAL


VII B.C. ACROPOLIS OF ATHENS


1943 PALAZZO DELLA CIVILTÀ ITALIANA


1925 VOLKSHALLE


1960 NATIONAL CONGRESS OF BRAZIL


1961 NATIONAL ASSEMBLY OF BANGLADESH


1961 NATIONAL ASSEMBLY OF BANGLADESH

STRUCTURAL


1925 CLOUD IRON


1927 LENIN INSTITUTE


1967 EXPO 67 SOVIET PAVILION


1968 SÃO PAULO MUSEUM OF ART


1973 MINISTRY OF TRANSPORTATION

ORNAMENTAL


1626 ST. PETER'S BASILICA


1682 PALACE OF VERSAILLES

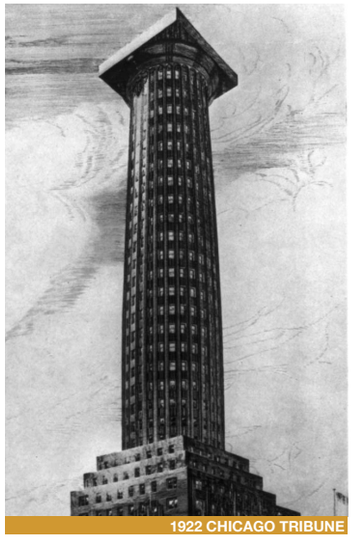

1861-75 NATIONAL PARIS OPERA


1953 MOSCOW STATE UNIVERSITY


1982 PORTLAND BUILDING


2011 MUSEUM AAN DE STROOM

SYMBOLICAL


1922 CHICAGO TRIBUNE


1933 PALACE OF THE SOVIETS

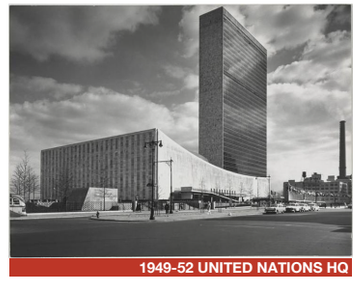

1936 JOHNSON WAX BUILDING


1958 TORRE VELASCA


2006 APPLE STORE FIFTH AVENUE

FUNCTIONAL

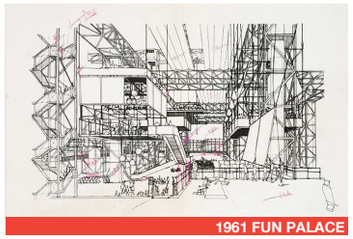

1913 RCA BUILDING


1949-52 UNITED NATIONS HQ


1966 WORLD TRADE CENTER


1985 HSBC BUILDING

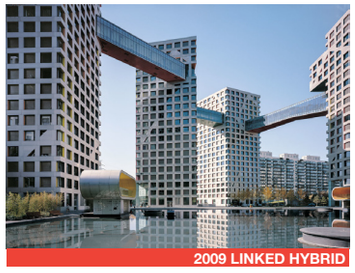
INTERACTIVE


1961 FUN PALACE


1971 CENTRE GEORGES POMPIDOU


2003 OSLO OPERA


2002 CCTV HEADQUARTERS


2009 LINKED HYBRID

ARCHITECTURE AS A POLITICAL WEAPON



“HOW I WISH I HAD BEEN AN ARCHITECT!”

ADOLF HITLER

THE PROMENADE TO THE LEADER'S DESK


“GLORY TO THE GREAT STALIN - THE ARCHITECT OF COMMUNISM!”
СЛАВА ВЕЛИКОМУ СТАЛИНУ
-ЗОДЧЕМУ КОММУНИЗМА!

A MONUMENT TO COMMUNISM



WHAT ABOUT HAVANA?

MILITARY PROTECTION



“WHO OWNS THE ISLAND OF CUBA POSSESSES THE KEY TO THE NEW WORLD”

FELIPE II OF SPAIN

DICTATOR'S HOUSE

THE MUSEUM OF REVOLUTION NOWADAYS



CLASS STRUGGLE

SCHOOL OF MUSIC

SCHOOL OF PLASTIC ARTS

FROM GOLF COURSE

SCHOOL OF BALLET

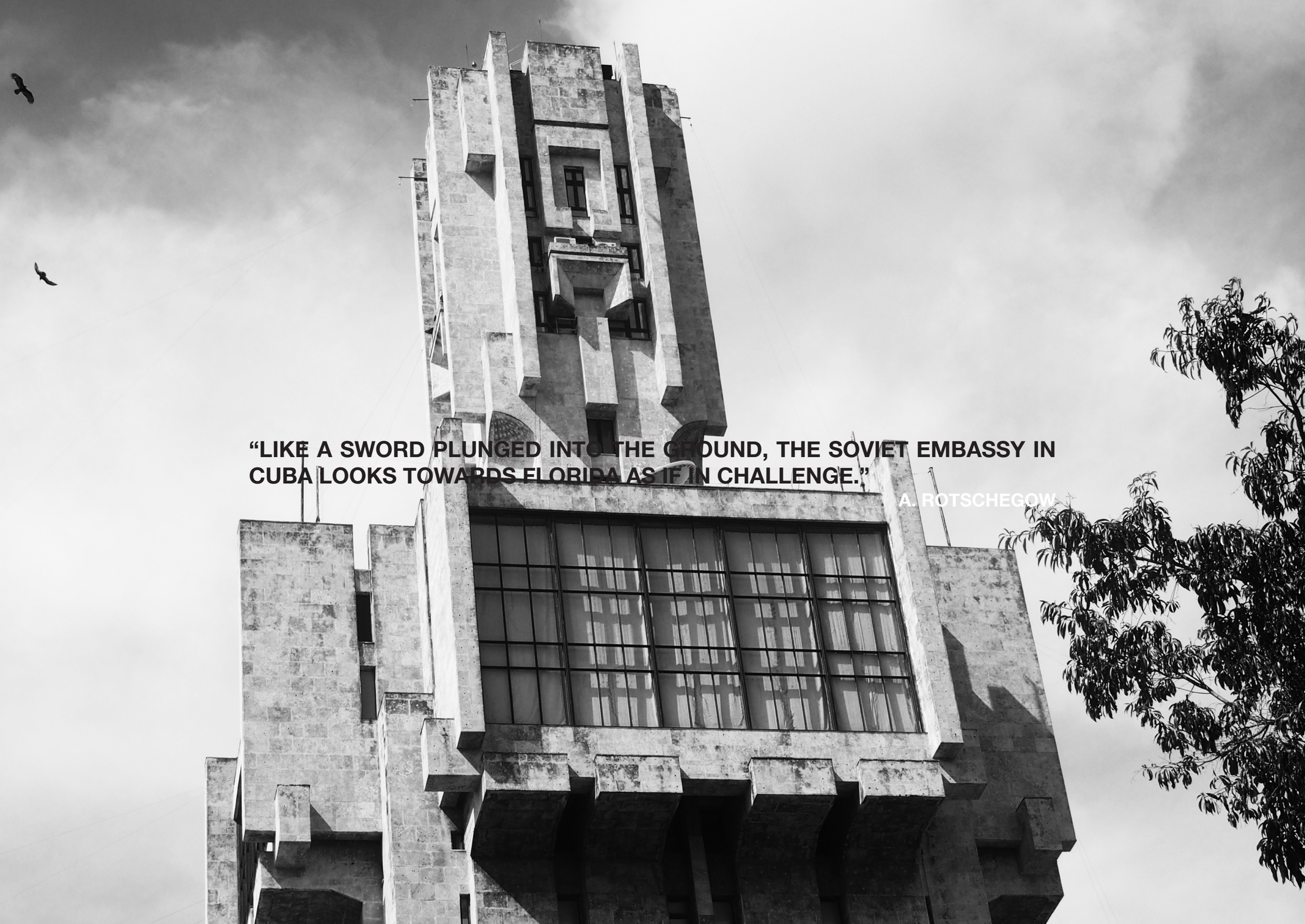
SCHOOL OF MODERN DANCE

SCHOOL OF DRAMATIC ARTS

TO ART SCHOOLS

TO RUINS

COMMUNIST STRUGGLE

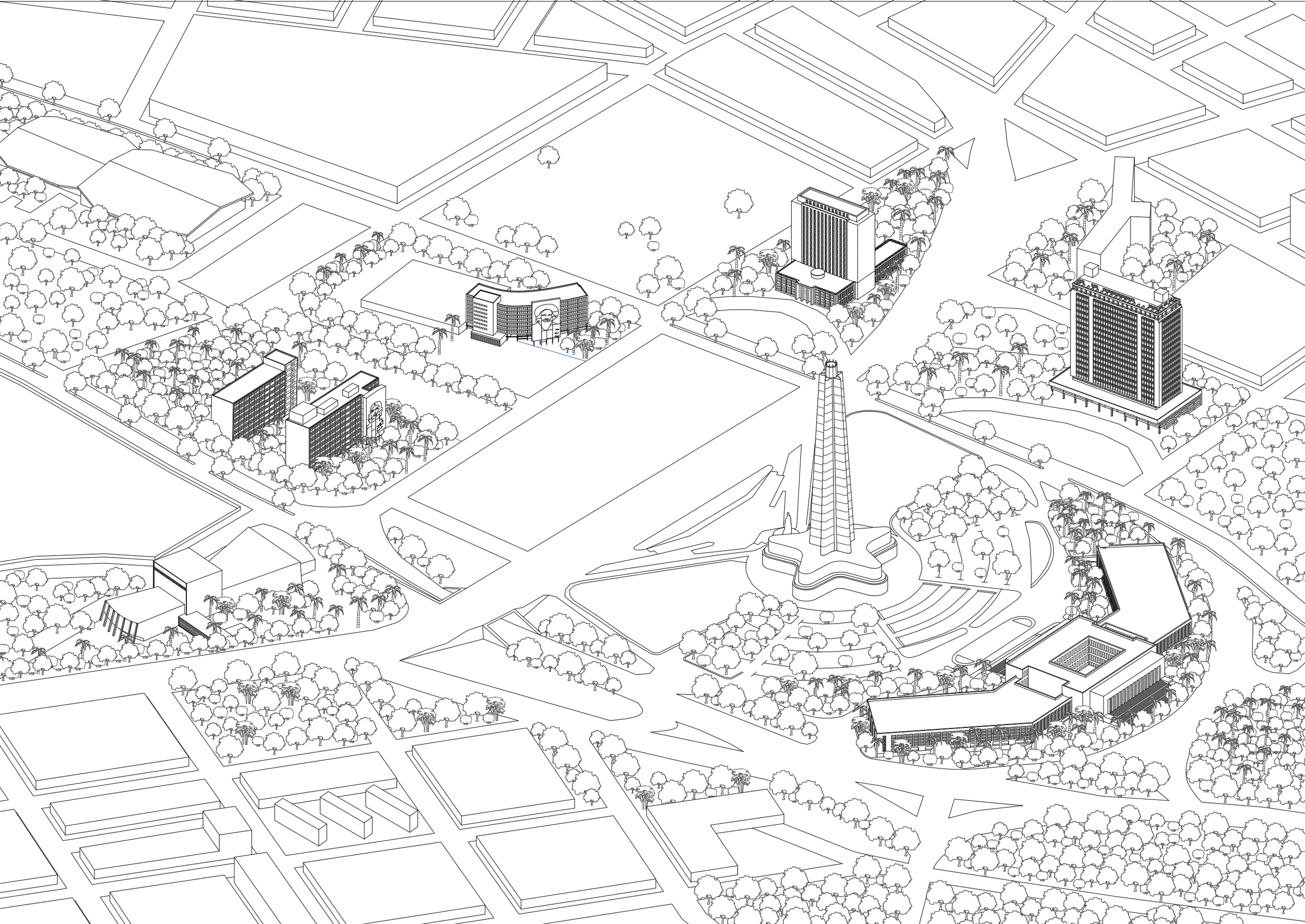


“LIKE A SWORD PLUNGED INTO THE GROUND, THE SOVIET EMBASSY IN CUBA LOOKS TOWARDS FLORIDA AS IF IN CHALLENGE.”

A. ROTSCHEGOW



PROPAGANDA SQUARE



LANDMARKS AND POPULISM

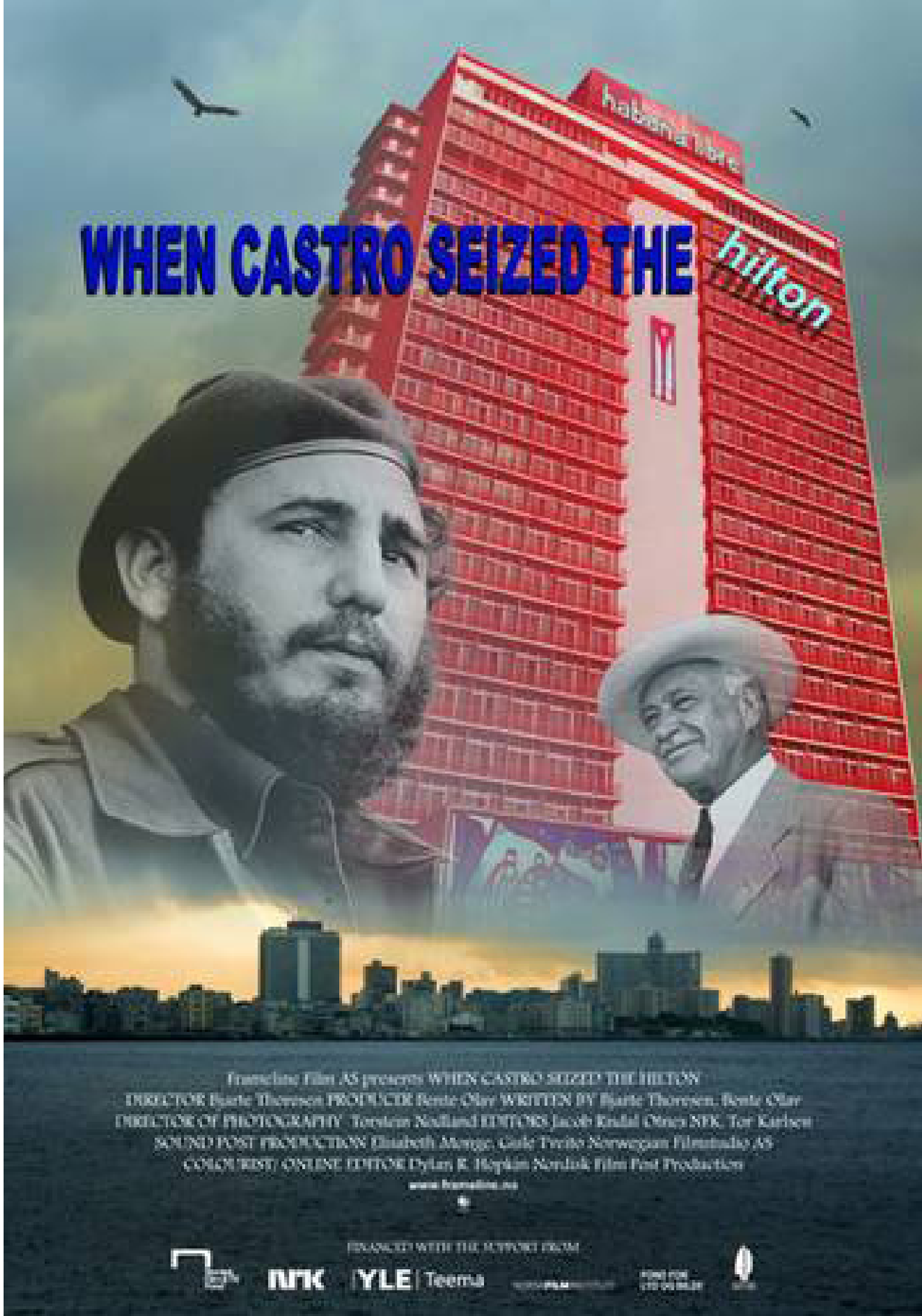

CUBATAXI
La Habana




OFICINA DEL HISTORIADOR
CIUDAD DE LA HABANA


Agitar antes de abrir
Shake before using
PREMIO
A LA CALIDAD
DEL
PRODUCTO
FERIA INTERNACIONAL DE LA HABANA
2014




WHEN CASTRO SEIZED THE

Frameline Film AS presents WHEN CASTRO SEIZED THE HILTON
DIRECTOR Bjarte Thoresen PRODUCER Bente Olav WRITTEN BY Bjarte Thoresen, Bente Olav
DIRECTOR OF PHOTOGRAPHY Torstein Nodland EDITORS Jacob Rudal Otnes NFK, Tor Karlsen
SOUND POST PRODUCTION Elisabeth Monge, Gisle Tveito Norwegian Filmstudio AS
COLOURIST/ ONLINE EDITOR Dylan R. Hopkin Nordisk Film Post Production
www.frameline.no
FINANCED WITH THE SUPPORT FROM
NFK
YLE Teema


ROBERTO
FERRERA







LANDMARKS=POWER

LANDMARKS IN OLD HAVANA

- COLONIAL AND BAROQUE
- NEO-CLASSICAL
- ART NOUVEAU, ART DECO AND ECLECTIC
- MODERNISM
- REVOLUTIONARY
- CONTEMPORARY

COLONIAL AND BAROQUE

NEO-CLASSICAL

ART NOUVEAU, ART DECO AND ECLECTIC

MODERNISM

REVOLUTIONARY

CONTEMPORARY

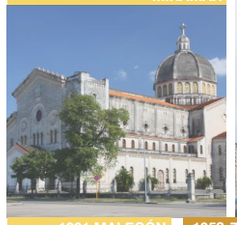

1665 TOWER OF SAN LÁZARO


1635-49 TOWER OF COJÍMAR


1763-67 CASTLE OF ATARÉS


1602-8 TOWER OF LA CHORRERA


1767-71 CASTLE OF THE PRÍNCIPE


1948- 53 IGLESIA DE JESÚS DE MIRAMAR


195?-7 HOTEL HABANA RIVIERA


195?-8 HOTEL HABANA LIBRE



2000 JOSÉ MARTÍ ANTI-IMPERIALIST PLATFORM

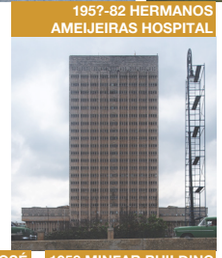

1961 NATIONAL ART SCHOOLS


2006 "WALL OF FLAGS"

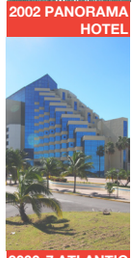

1901 MALECÓN


195?-7 HOTEL CAPRI


1954-6 FOCSA BUILDING


195?-82 HERMANOS AMEIJEIRAS HOSPITAL

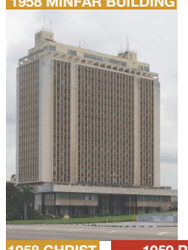

1968 GIRÓN BUILDING


2002 PANORAMA HOTEL


1876 COLON CEMETERY


1953 EMBASSY OF THE UNITED STATES

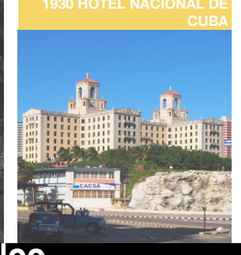

1953-8 JOSÉ MARTÍ MEMORIAL

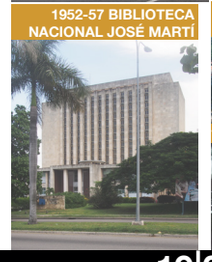

1958 MINFAR BUILDING


1978-87 EMBASSY OF RUSSIA


2000-7 ATLANTIC BUILDING


1929 CUBA PAVILION


1930 HOTEL NACIONAL DE CUBA


1952-57 BIBLIOTECA NACIONAL JOSÉ MARTÍ


1958 REVOLUTION PALACE


1958 CHRIST OF HAVANA


1959 REVOLUTION SQUARE


1994 MELIÁ COHIBA HOTEL


1951-79 NATIONAL THEATRE OF CUBA


1966 COPPELIA (ICE CREAM PARLOR)

HAVANA

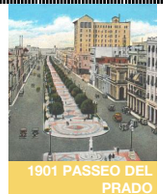
16|00 17|00 18|00 19|00 20|00

OLD HAVANA


1589 MORRO CASTLE


1674-1797 MORRO CASTLE


1773-92 CAPITANES GENERALES PALACE


1901 PASSEO DEL PRADO


1907-9 COMMERCE MARKET


1912 HAVANA CENTRAL RAILWAY STATION


1926-29 NATIONAL CAPITOL


2002-8 OUR LADY OF KAZAN ORTHODOX CATHEDRAL

1559 OLD SQUARE

1589 SAN SALVADOR DE LA PUNTA FORTRESS

1763-74 SAN CARLOS DE LA CABAÑA FORTRESS

1875 HOTEL INGLATERRA

1894-1917 GÓMEZ BLOCK

1914 TALLAPIEDRA THERMOELECTRIC

1908-15 GRAN TEATRO DE LA HABANA

1930 BACARDI BUILDING

1976 GRANMA MEMORIAL

1558 REAL FUERZA CASTLE

1580-9/1730 BASILICA AND MONASTERY OF SAN FRANCISCO DE ASIS

1748-77 THE CATHEDRAL OF THE VIRGIN MARY OF THE IMMACULATE CONCEPTION

1844 ALDAMA PALACE

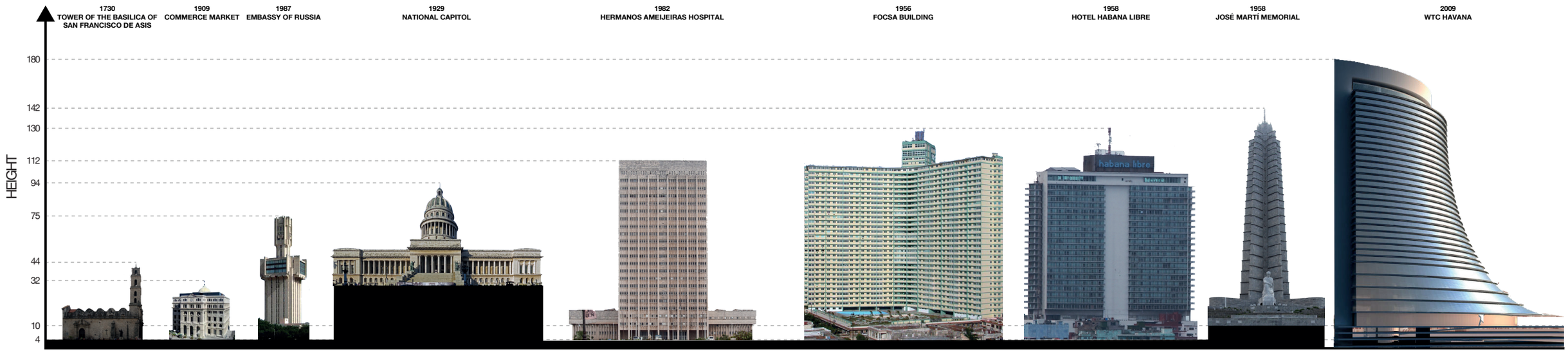
1908 HOTEL SEVILLA

1913 MUSEO NACIONAL DE BELLAS ARTES

1913-20 MUSEUM OF THE REVOLUTION

1960 TALLAPIEDRA HOUSING COMPLEX

BIG, BIGGER, BIGGEST?



2017



A NEW POLITICAL LANDMARK FOR CUBA?

NEW LOCATION OF POWER?



ARCHITECTURE OF POWER IN HAVANA

OLD HAVANA

REVOLUTION SQUARE

VEDADO

MIRAMAR

MAIN CITY AXES



ARCHITECTURE OF POWER AND THE PORT OF HAVANA

CONCENTRATION OF POWER

PORT OF HAVANA

MAIN CITY AXES



STEREOTYPES

CONCENTRATION OF POWER

PORT OF HAVANA

MAIN CITY AXES



ARCHITECTURE OF POWER AND GROUP SITE

CONCENTRATION OF POWER

MAJOR BUILDINGS OF POWER

GROUP SITE PORT OF HAVANA

PORT OF HAVANA

MAIN CITY AXES



theguardian

Cuba for sale: 'Havana is now the big cake – and everyone is trying to get a slice'

All eyes are focused on bay of Havana itself, once the source of the city's immense wealth and now the place from which investors are hoping to extract an even bigger bounty. With the opening of a new $900m port 30 miles west of Havana at Mariel – built with Brazilian help – the old harbour now represents the next major development opportunity: a derelict jumble of warehouses and struggling fragments of industry.

"The harbour is the embryo of the city," says José Antonio Choy Lopez, a Cuban architect who sits on the board of UNIAC, the Union of Cuban Writers and Artists: a body charged with assessing plans for the bay. As one of the best natural harbours in the Americas, enhanced by impressive fortifications in the 16th century, it was where the Spanish galleons assembled, laden with riches plundered from the New World, before sailing in protected convoys back to Europe. Huge quantities of gold and silver, along with Alpaca from the Andes, emeralds from Colombia and mahogany from Guatemala, were all traded here, bringing profits that are wrought in Havana's palatial buildings. "It was a cultural crossroads, the very reason for the cosmopolitan character of the city," says Choy. "And its redevelopment is now the most important project facing Cuba this century."

ALL EYES ARE FOCUSED ON **BAY OF HAVANA**

theguardian

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ALL EYES ARE FOCUSED ON BAY OF HAVANA

ECONOMICS

↓

SOURCE OF THE CITY'S IMMENSE WEALTH

INVESTORS ARE HOPING TO EXTRACT AN EVEN BIGGER BOUNTY

OPENING OF A NEW $900M PORT 30 MILES WEST OF HAVANA

[OLD HARBOUR] THE NEXT MAJOR DEVELOPMENT OPPORTUNITY

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[OLD HARBOUR] THE NEXT MAJOR DEVELOPMENT OPPORTUNITY

HISTORY

↓

THE EMBRYO OF THE CITY

ONE OF THE BEST NATURAL HARBOURS

IMPRESSIVE FORTIFICATIONS IN THE 16TH CENTURY

REASON FOR THE COSMOPOLITAN CHARACTER OF THE CITY

ALL EYES ARE FOCUSED ON BAY OF HAVANA

“AND ITS REDEVELOPMENT IS NOW THE MOST IMPORTANT PROJECT FACING CUBA THIS CENTURY.”

WATERFRONT CHARACTER

VEDADO

OLD HARBOUR

ATARÉS COVE

CONTAINER TERMINAL







VEDADO









OLD HARBOUR









ATARÉS COVE









HAIPHONG

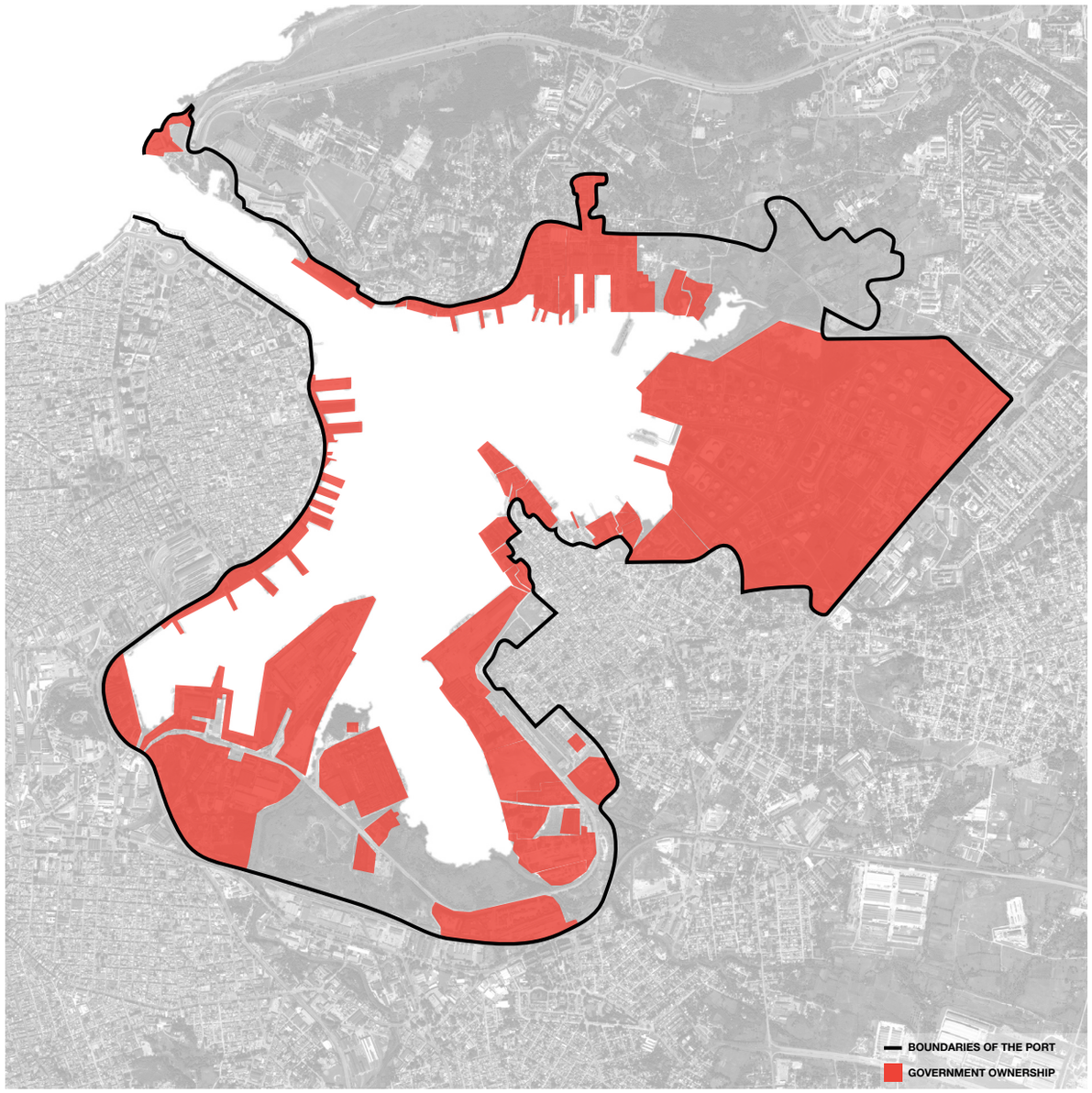

HAIPHONG
RESA DE SERVICIOS PORTUARIOS OCCIDENT
OFICINA CENTRAL



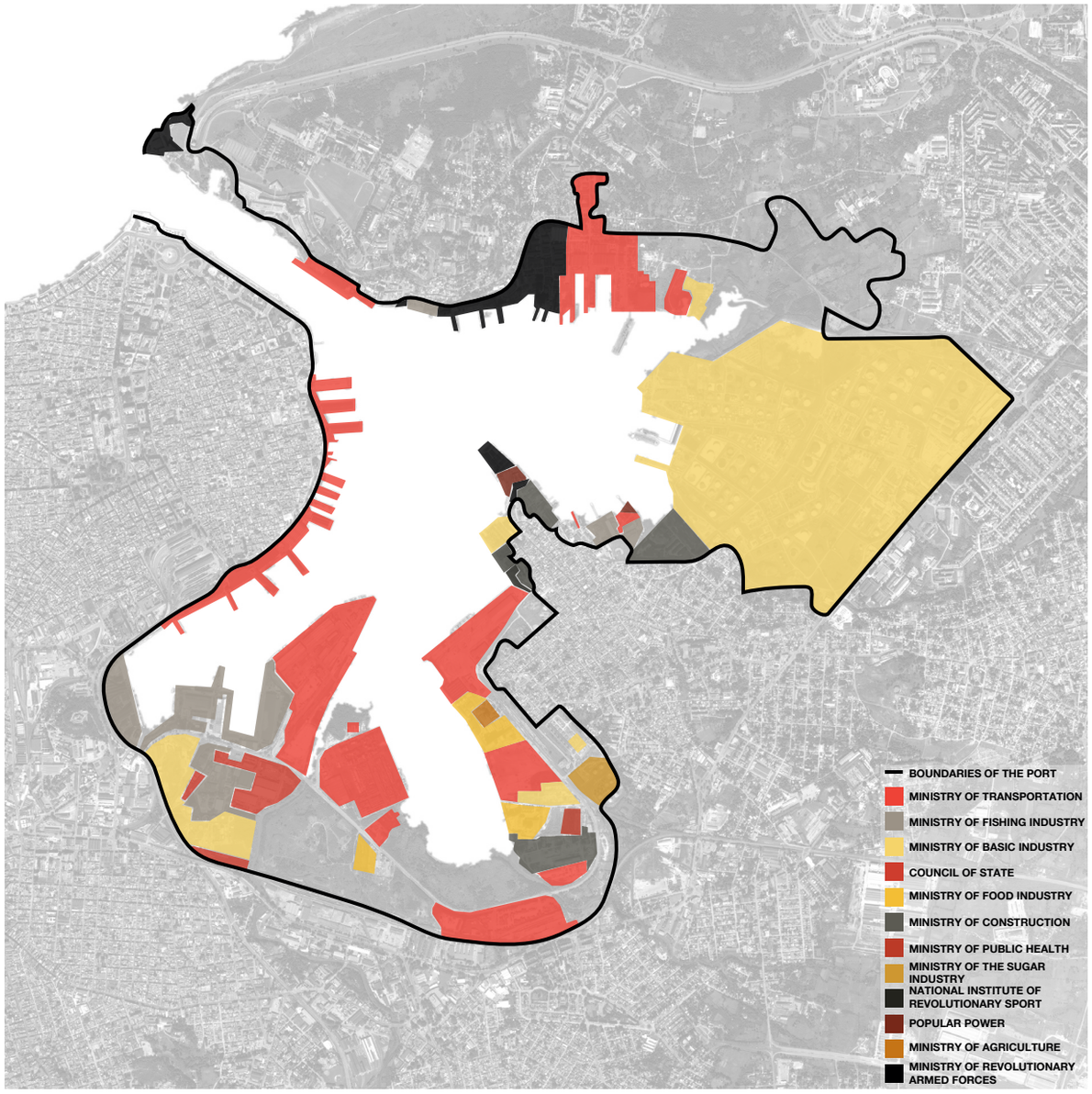


PORT OWNERSHIP

GOVERNMENT

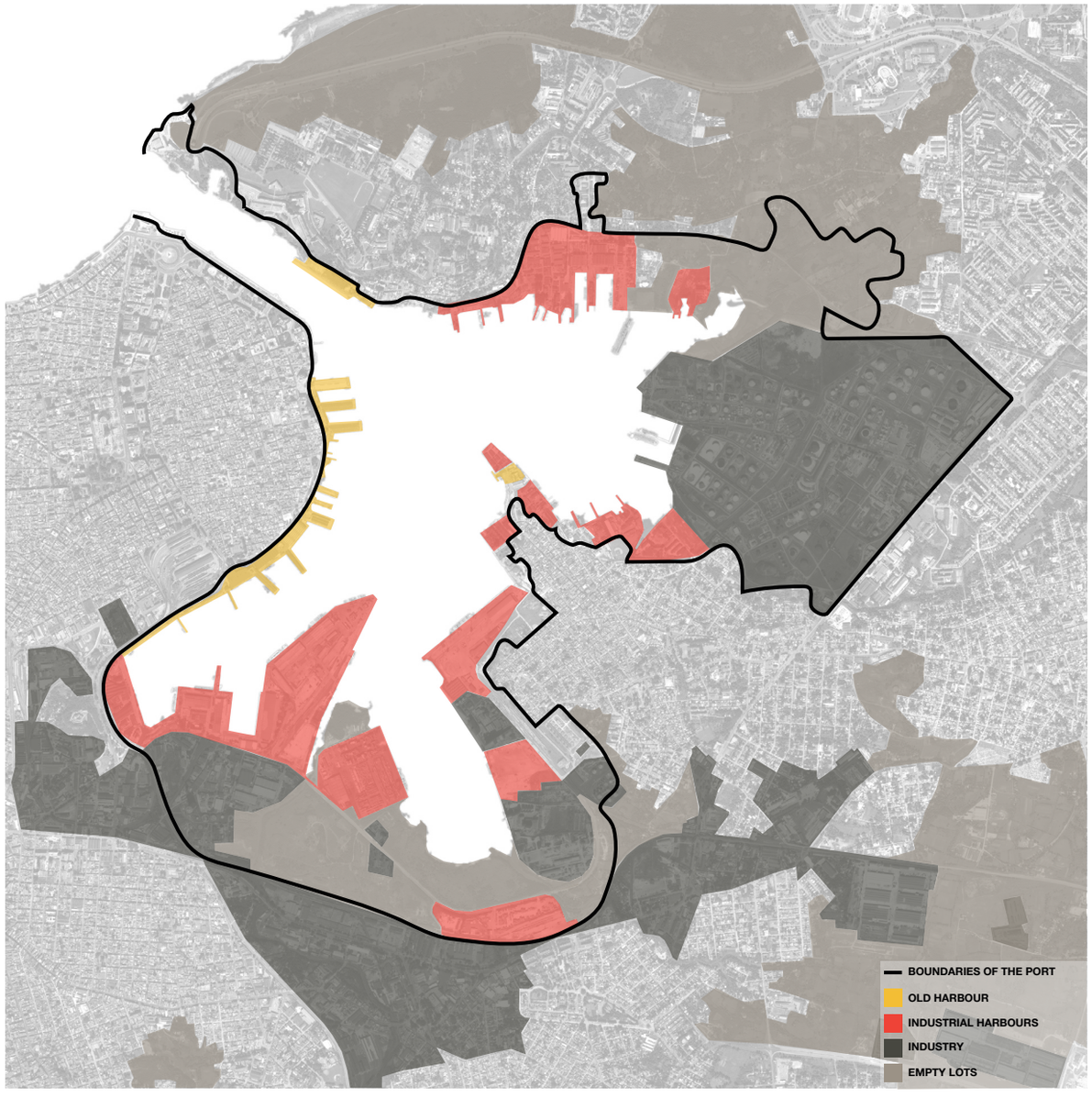


MINISTRIES

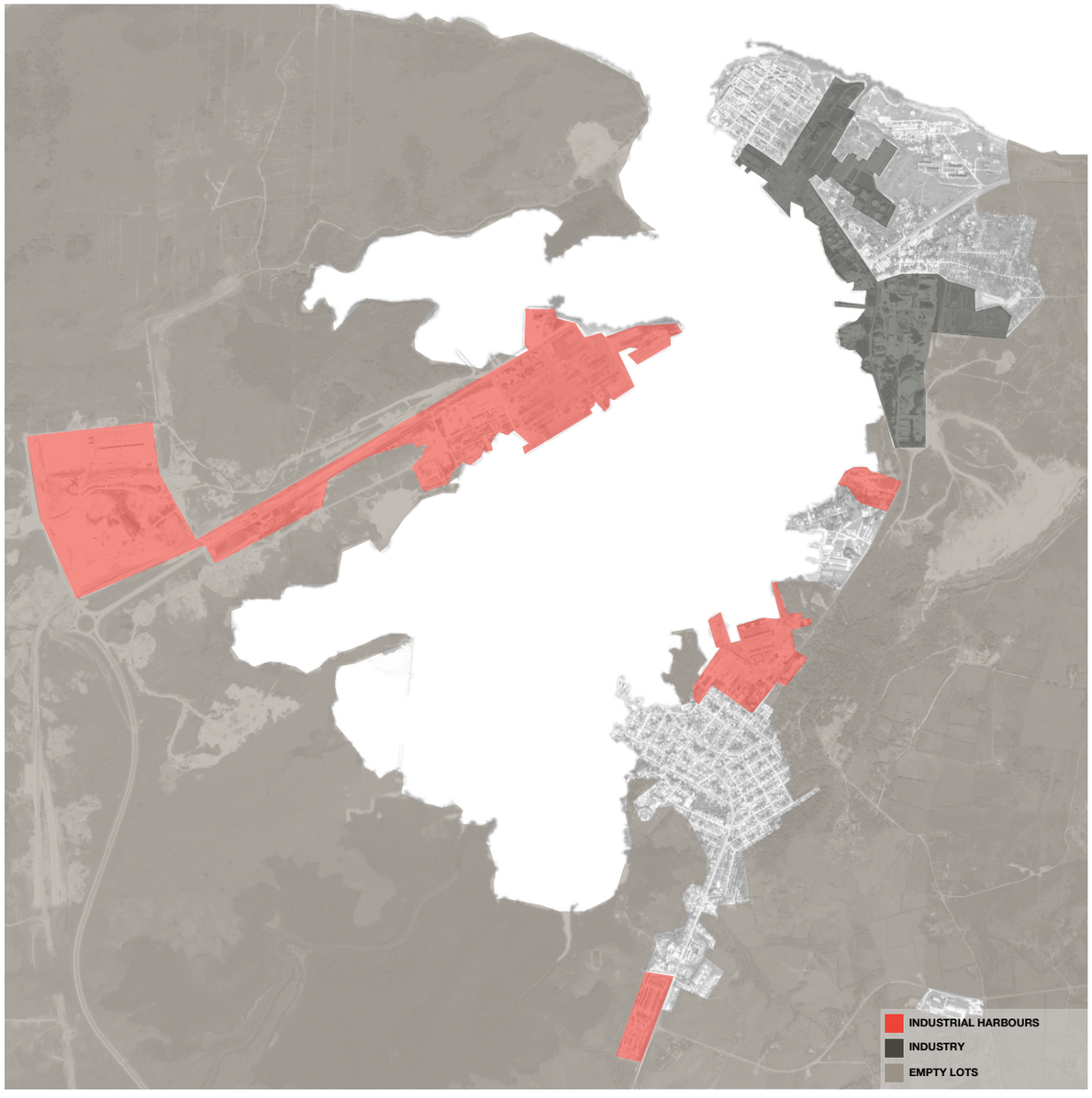


MOVING OUT

FUNCTIONS - PORT OF HAVANA



FUNCTIONS - PORT OF MARIEL



GROUP STRATEGY

TRANSITION TO

SOCIO-CAPITALISM

EXPAND PRIVATE SECTOR
USE TAXES FOR WELFARE SYSTEM

HAIPHONG

PUBLIC SPACE

FENCE

BUILT

PRIVATE

ENTRANCES



GREEN AREAS

FENCE

BUILT

GREEN AREAS

ENTRANCES



FUNCTION

UNKNOWN

ADMINISTRATION

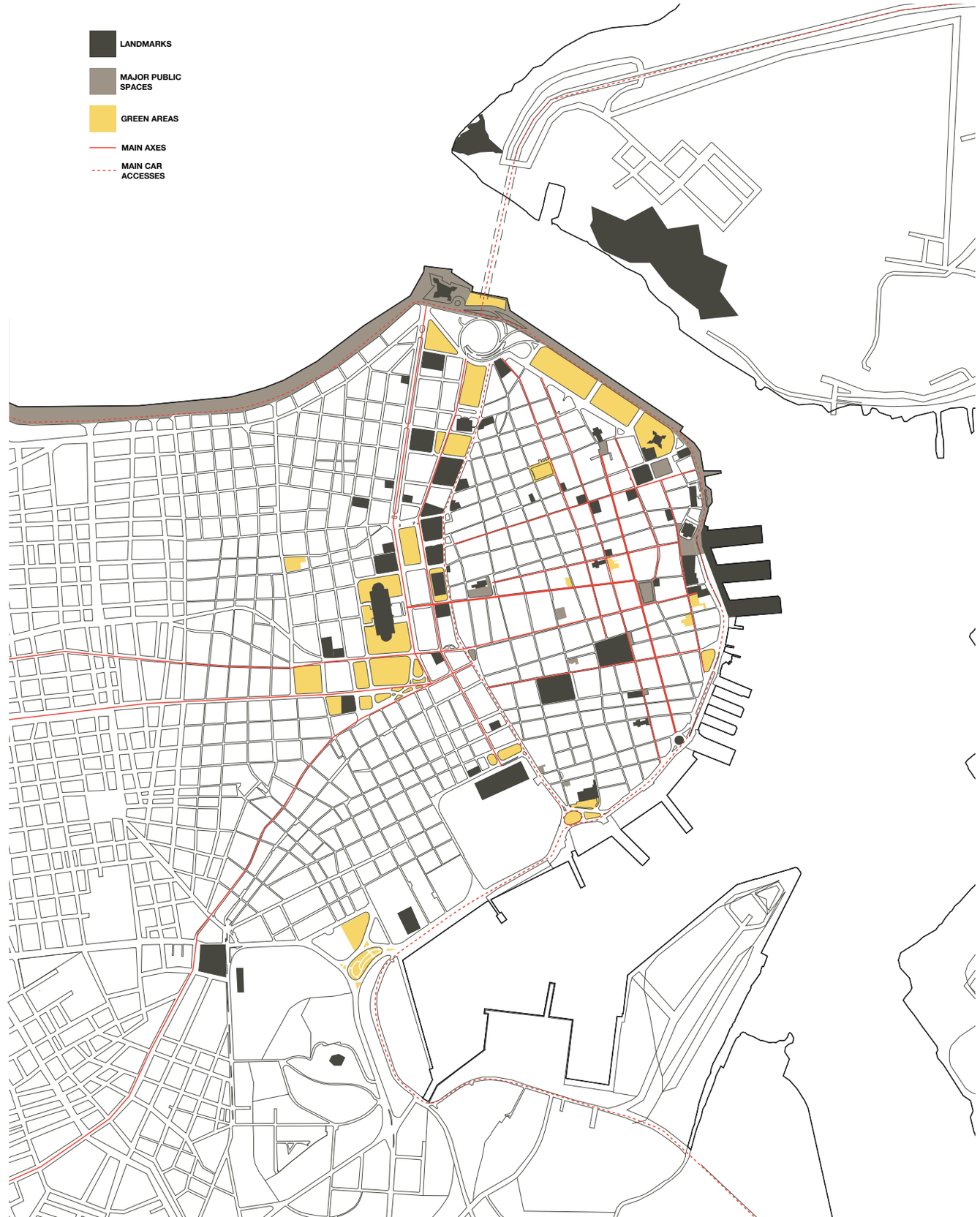
MIXED USES

WORKSHOPS FOR ASSEMBLE
AND TRANSPORTATION

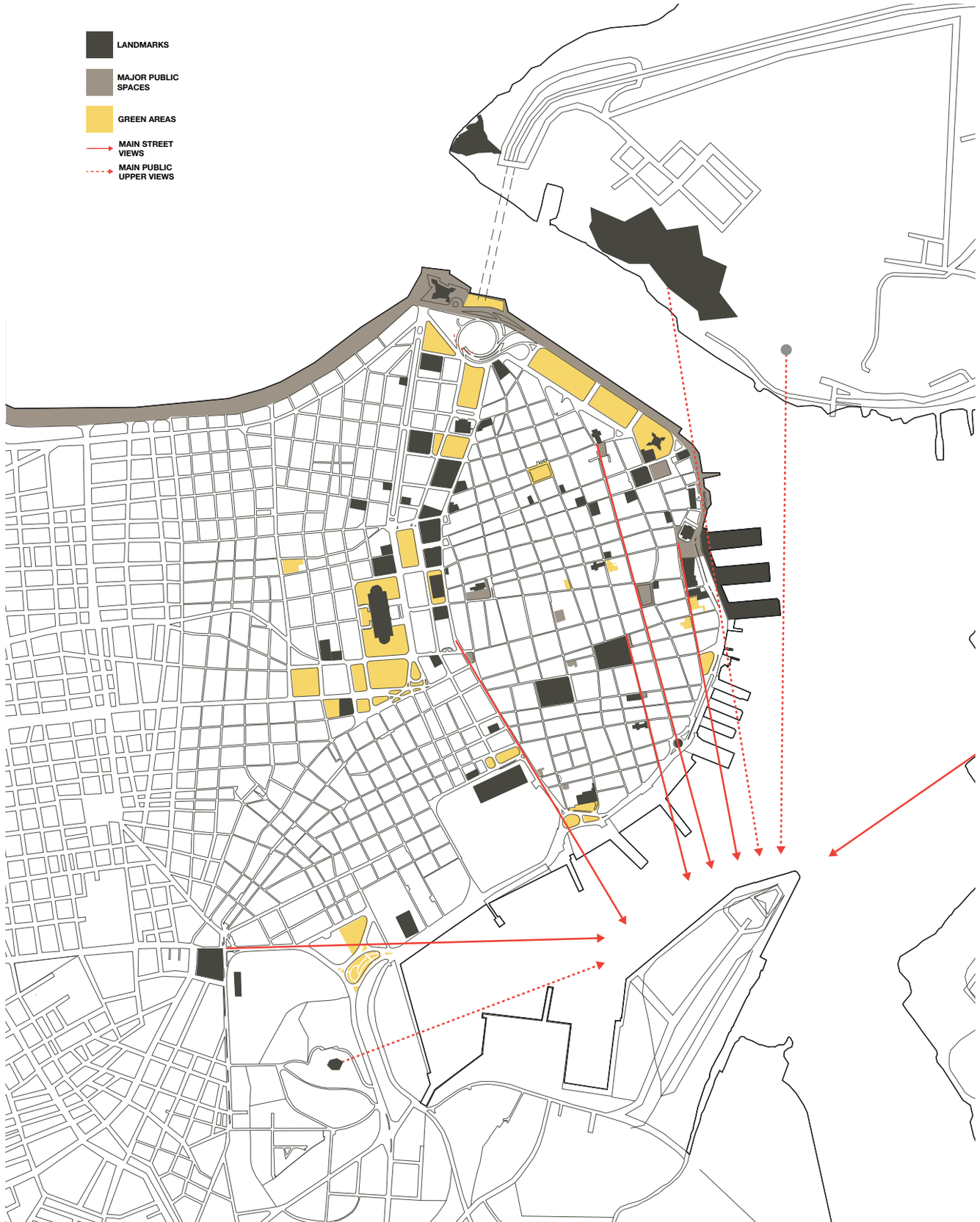
INDUSTRIAL EQUIPMENT



PUBLIC SPACE AND MAIN AXES



PUBLIC SPACE AND MAIN VIEWS TOWARDS HAIPHONG



HAIPHONG - HABANA VIEJA

-TOO DISCONNECTED FROM EACH OTHER

-DIFFICULTY IN STABLISHING DIRECT PHYSICAL CONNECTIONS

THE POLITICAL LANDMARK

FREEDOM INDEX

SCORE:
35.2
0/100
WORLD RANKING:
#126
1-167

DEMOCRACY INDEX

SCORE:
9
0/100
WORLD RANKING:
#171
1-180

FREEDOM OF THE PRESS

SCORE:
29.8
0/100
WORLD RANKING:
#177
1-178

ECONOMIC FREEDOM



OVERALL FREEDOM STATUS:

NOT FREE

SCORE:

29.8

0/100

WORLD RANKING:

#177

1-178

ECONOMIC FREEDOM



OVERALL FREEDOM STATUS:

NOT FREE

STOCK EXCHANGE + WTC

=

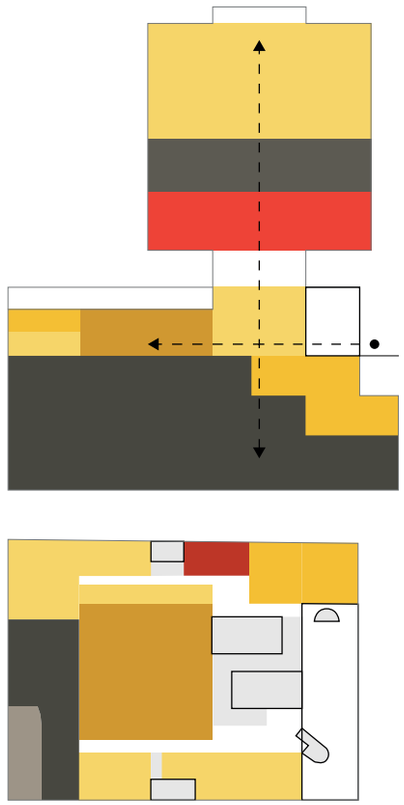
GLOBAL ACCESS TO TRADING MARKETS AND INFORMATION

WITC

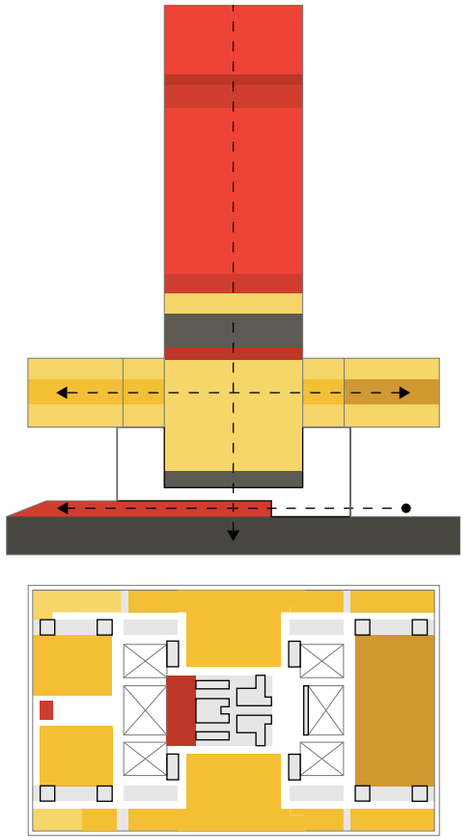
(WORLD INFORMATION AND TRADE CENTRE)

STOCK EXCHANGE - PROGRAM ORGANIZATION

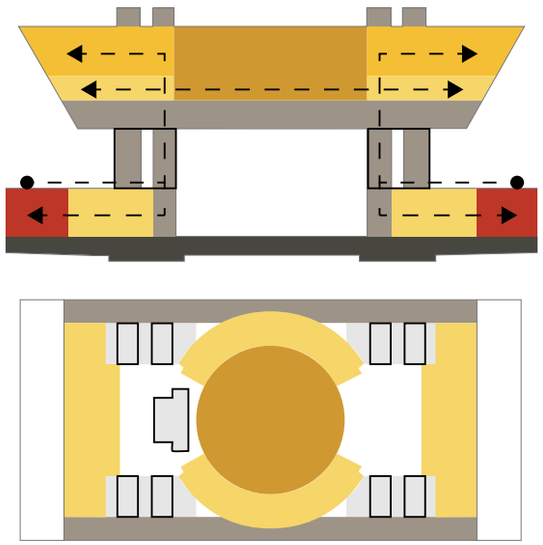
TEHRAN STOCK EXCHANGE



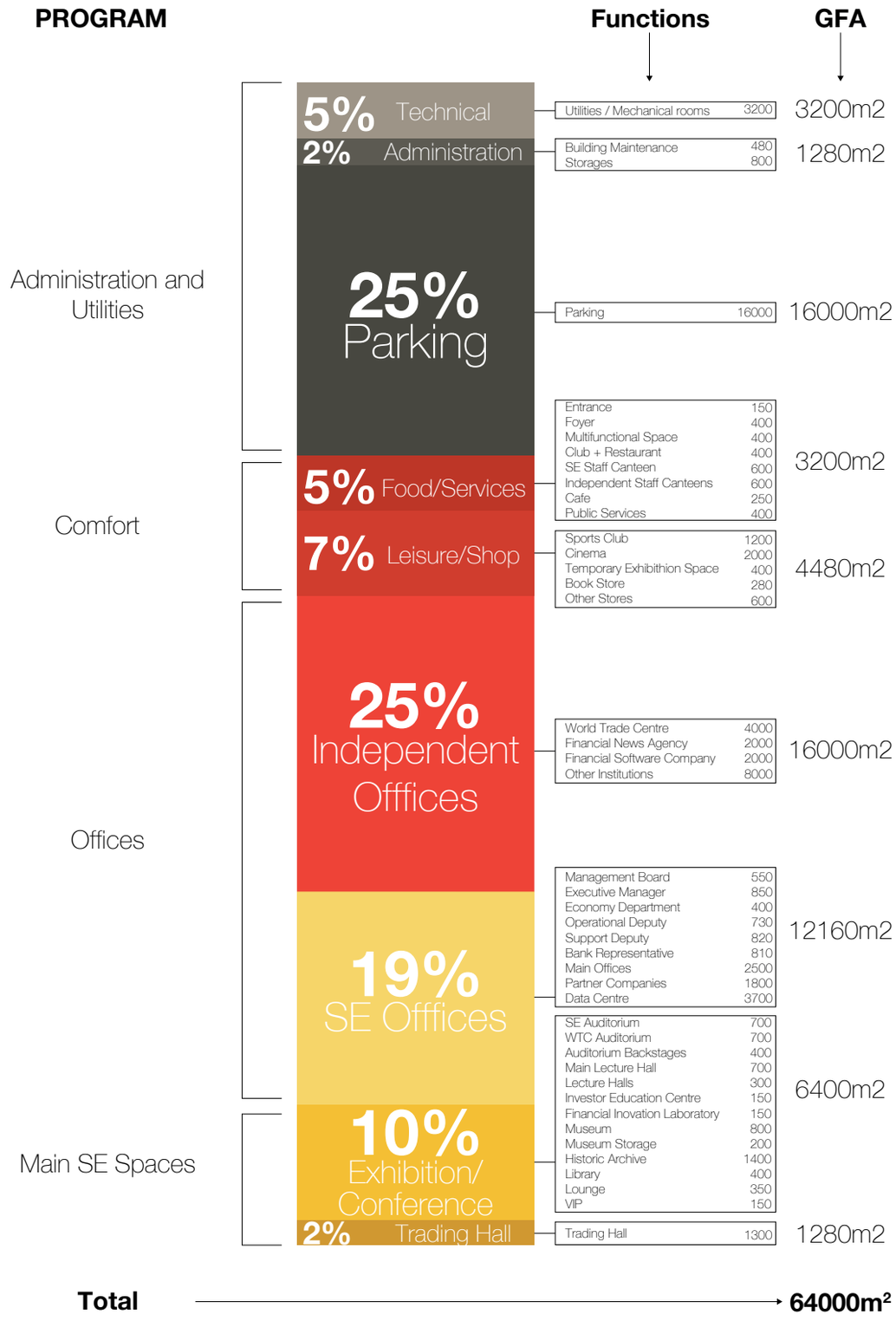
SHENZHEN STOCK EXCHANGE

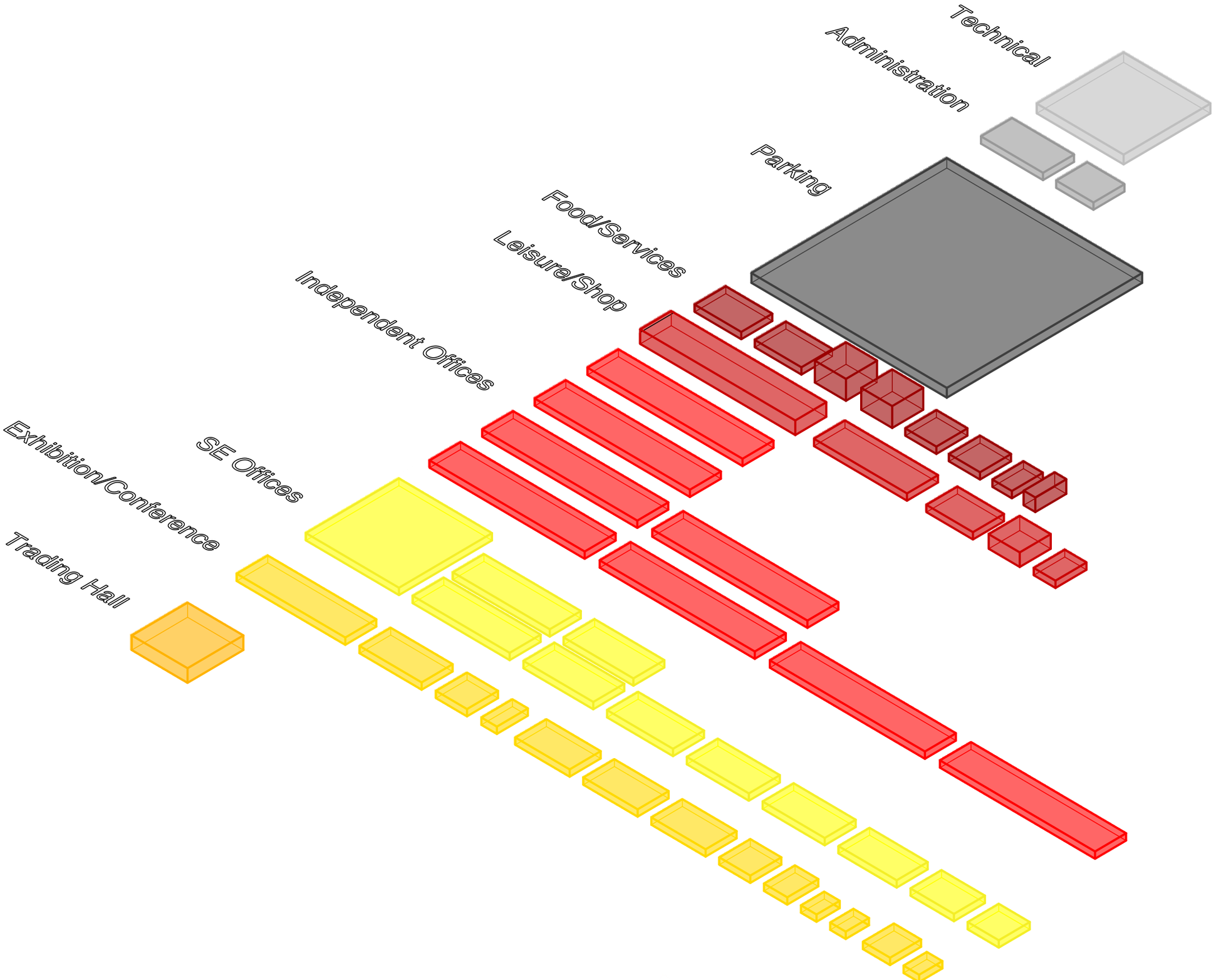


ABU DHABI STOCK EXCHANGE



PROGRAM - AREAS




Technical
Administration
Parking
Food/Services
Leisure/Shop
Independent Offices
SE Offices
Exhibition/Conference
Trading Hall

PROGRAM - DISTRIBUTION

OFFICES
44%

MAIN SE SPACES
12%

RECREATION
12%

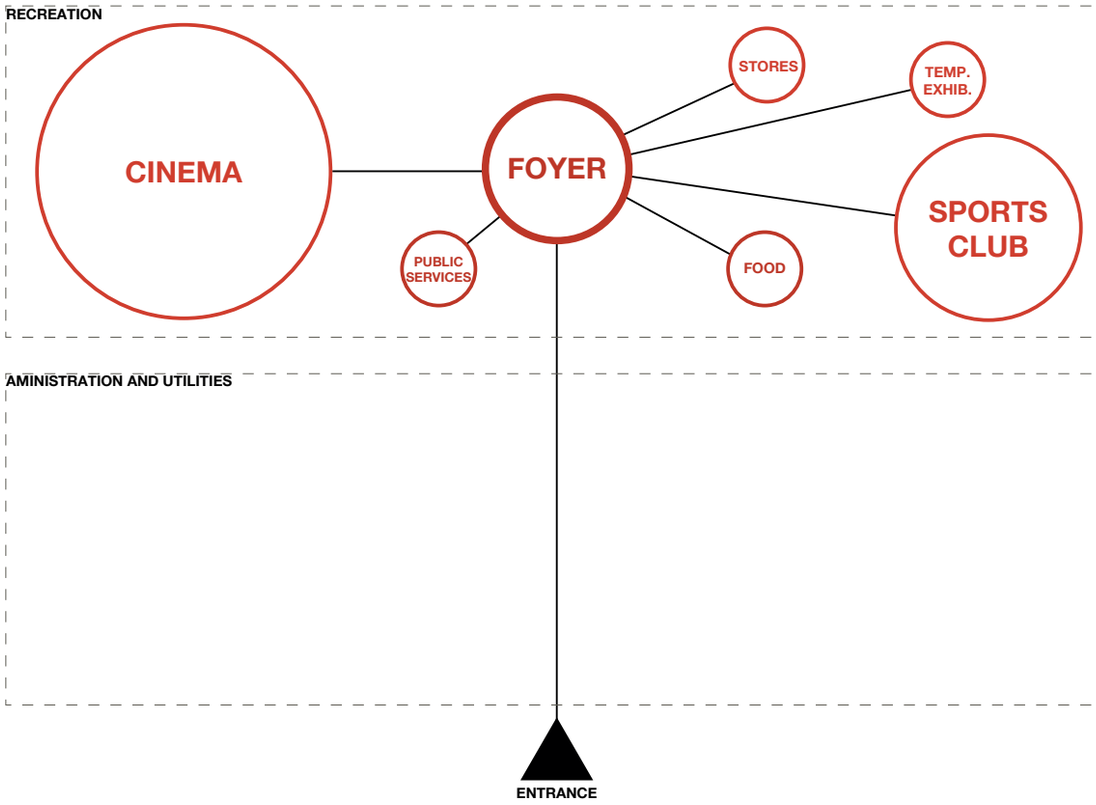
AMINISTRATION AND UTILITIES
32%

ENTRANCE

OFFICES

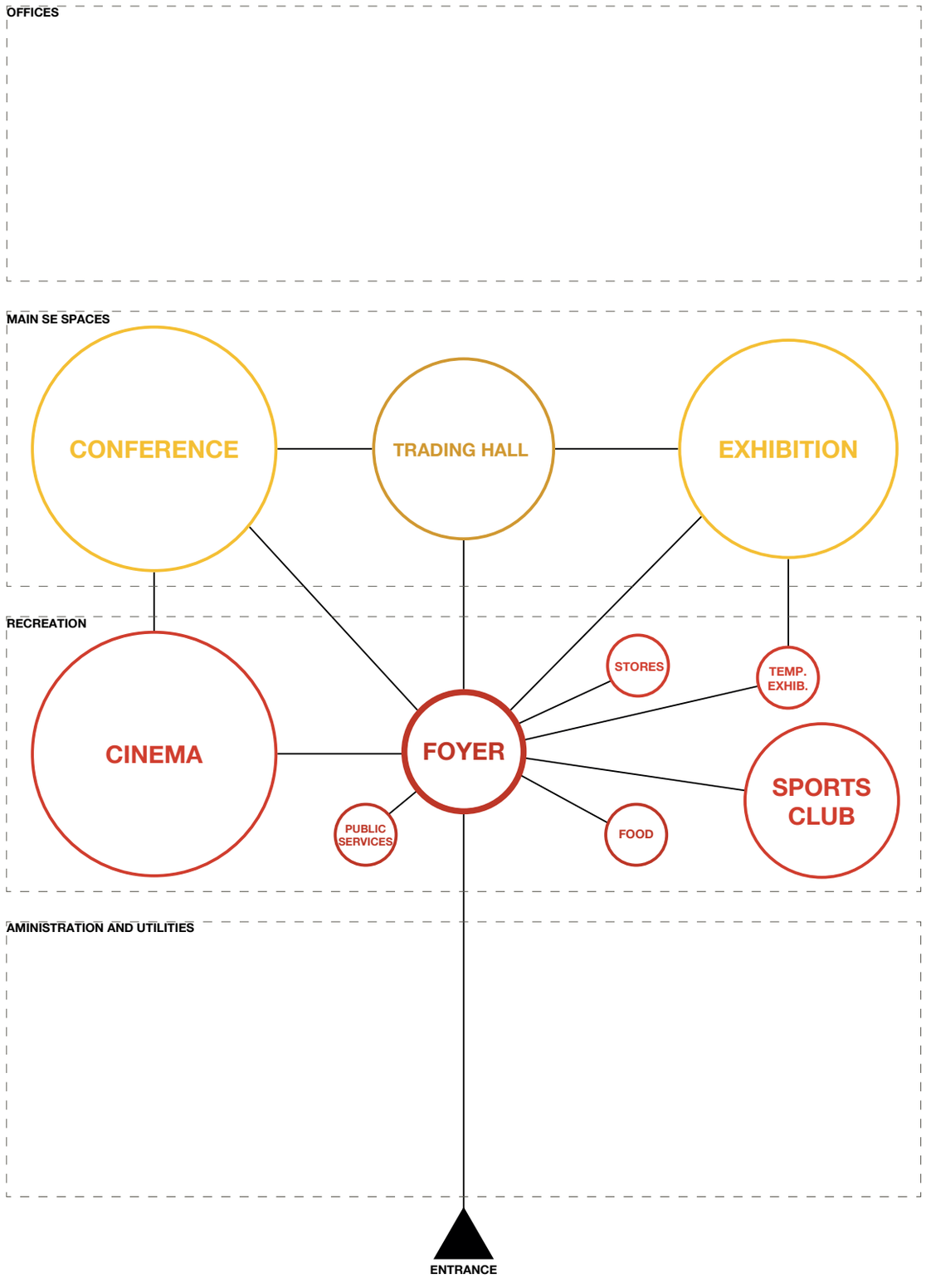
MAIN SE SPACES

RECREATION

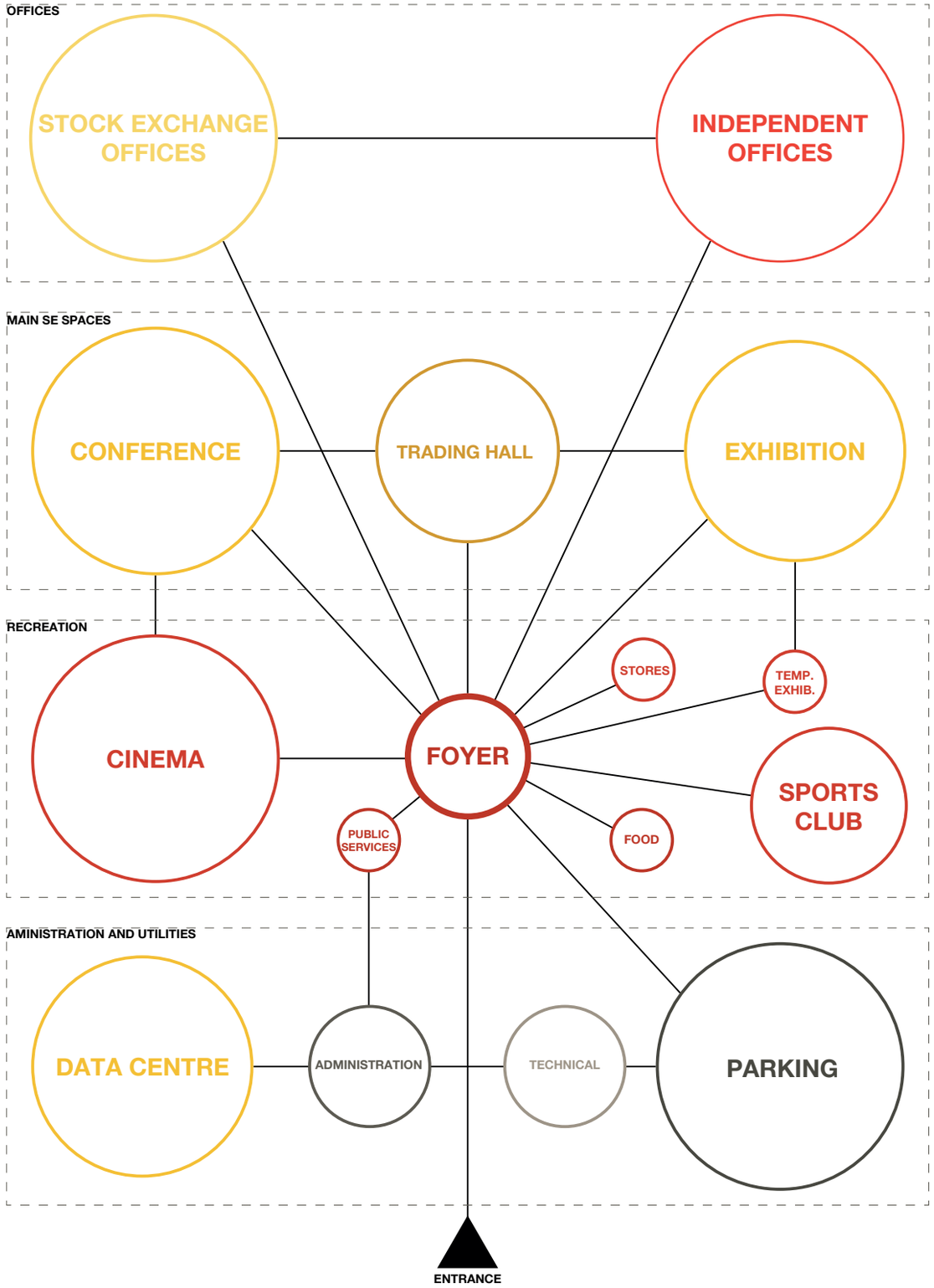


AMINISTRATION AND UTILITIES

ENTRANCE

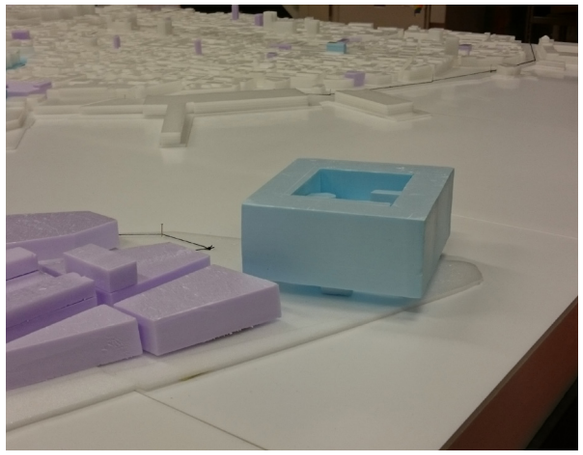
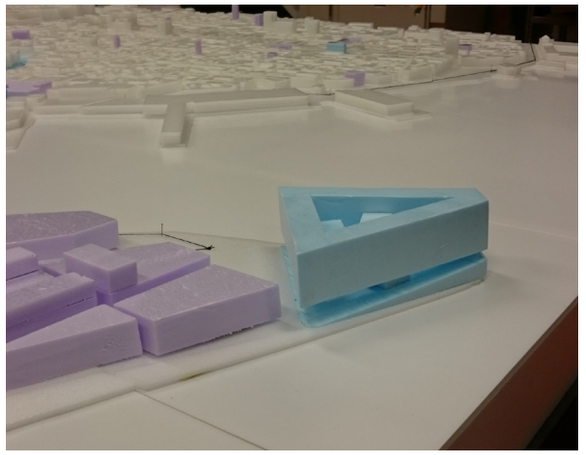
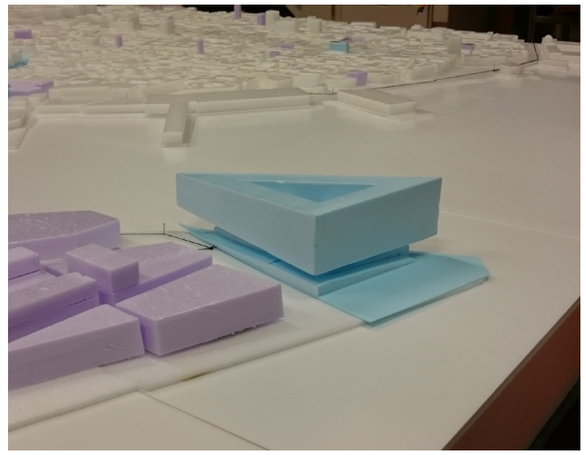

OFFICES
MAIN SE SPACES
CONFERENCE
TRADING HALL
EXHIBITION
RECREATION
CINEMA
FOYER
STORES
TEMP.
EXHIB.
SPORTS
CLUB
PUBLIC
SERVICES
FOOD
AMINISTRATION AND UTILITIES
ENTRANCE

PROGRAM - DISTRIBUTION

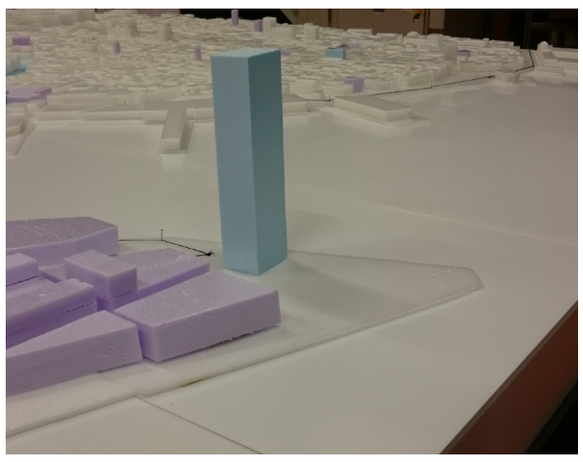
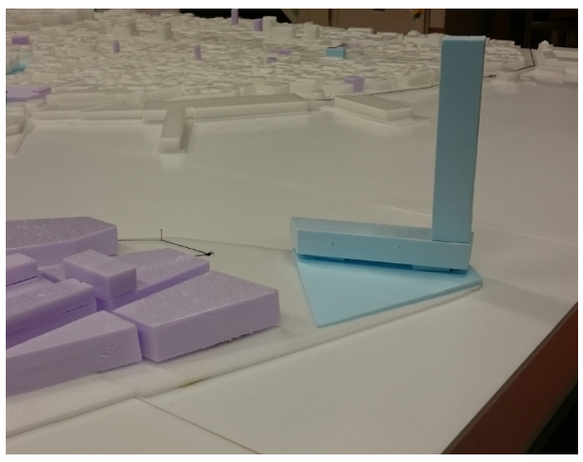
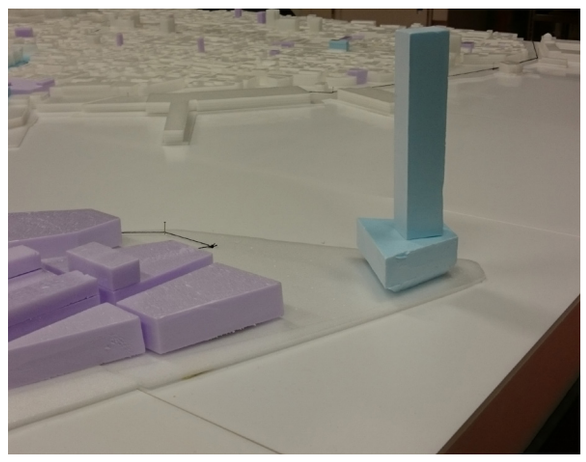


CONCEPTS

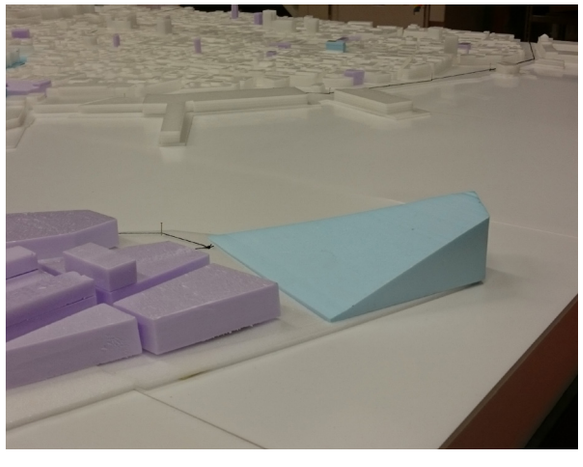
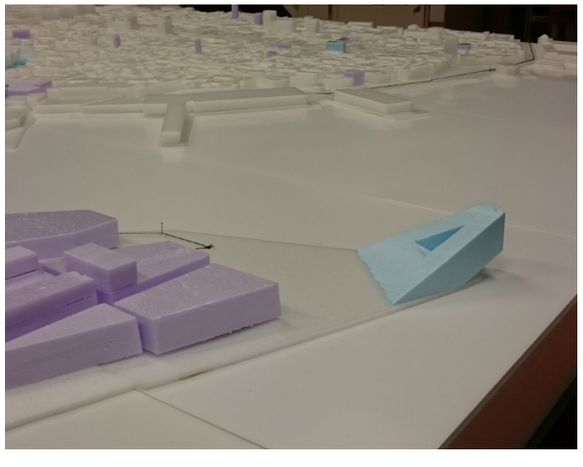
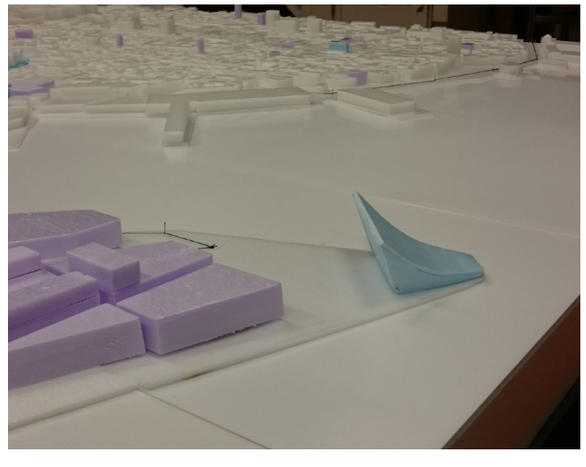
URBAN FORTIFICATION

STRUCTURAL INTERACTION

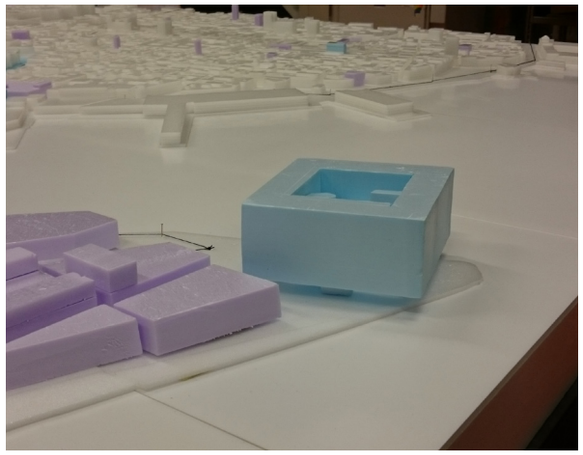
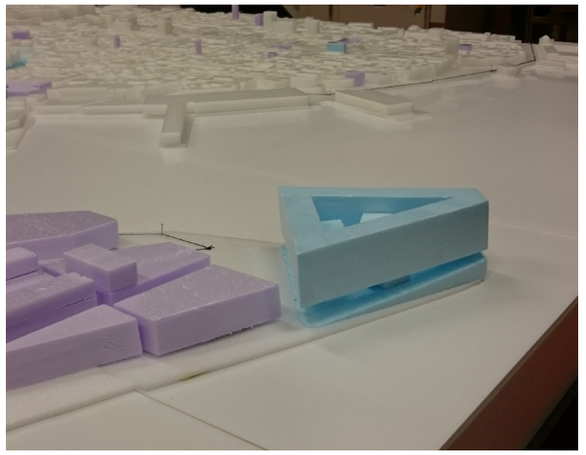
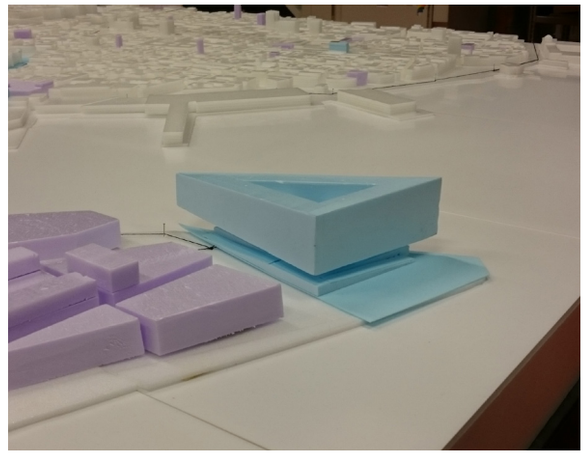




ARTIFICIAL TOPOGRAPHY

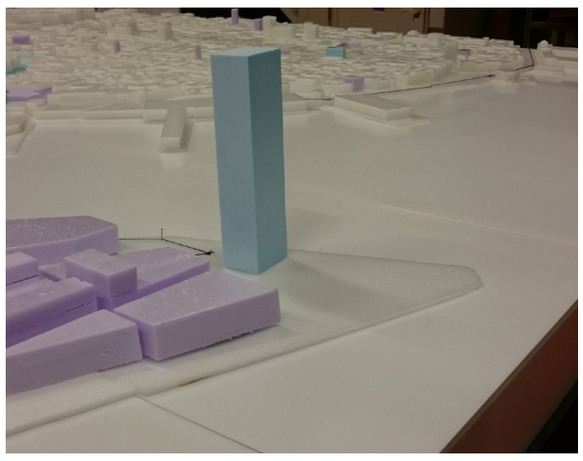
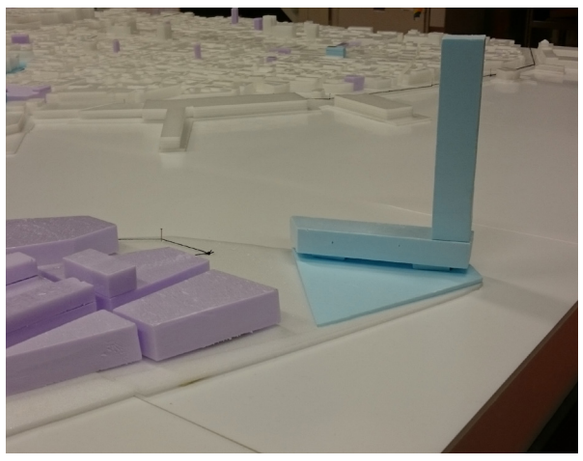
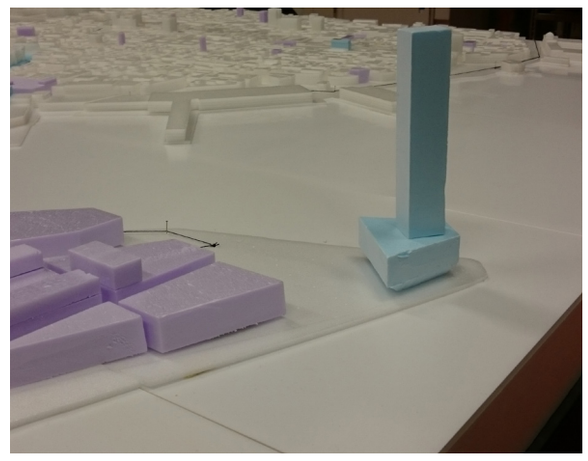




CONCEPTS

URBAN FORTIFICATION

STRUCTURAL INTERACTION

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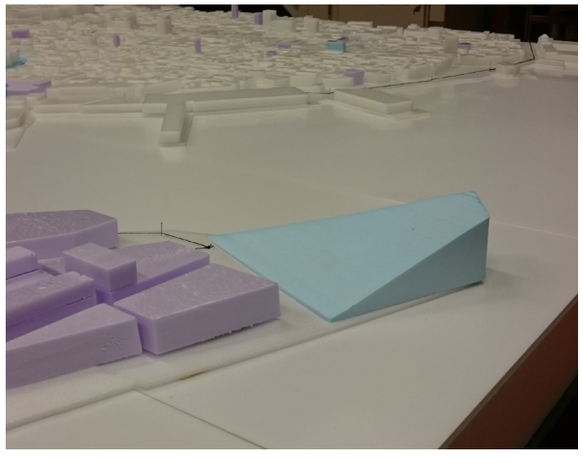
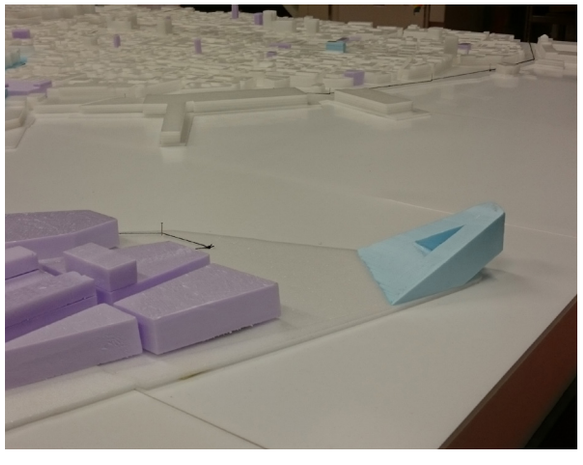
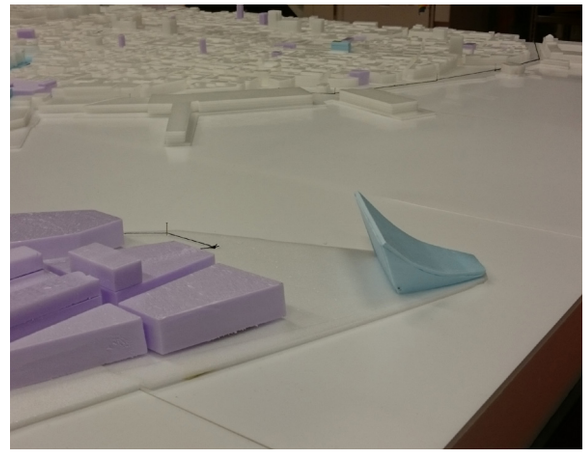
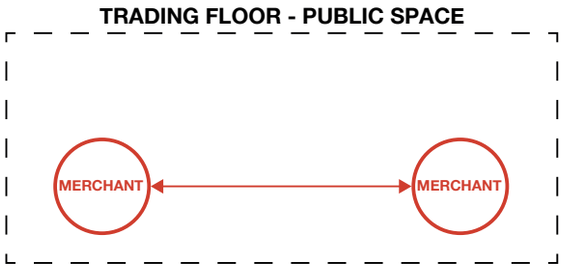
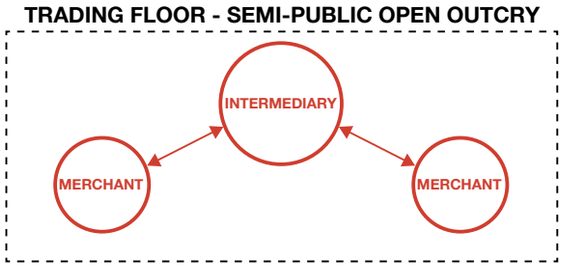




EVOLUTION OF TRADING FLOOR

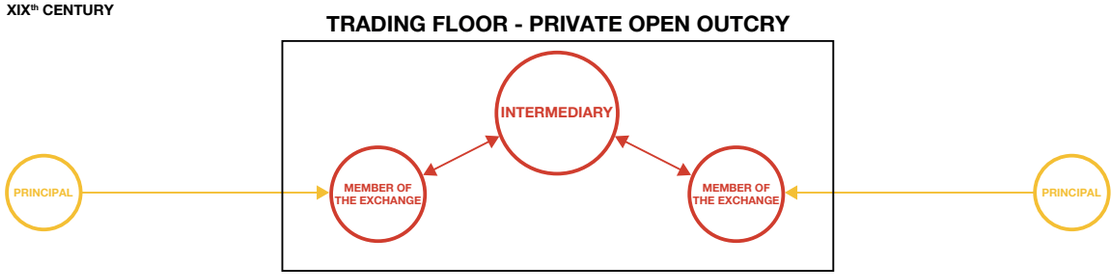
XVIth-XVIIth CENTURIES



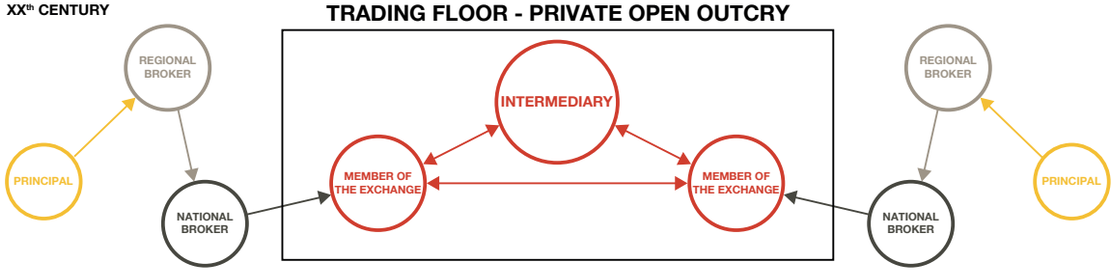
XVIIIth CENTURY



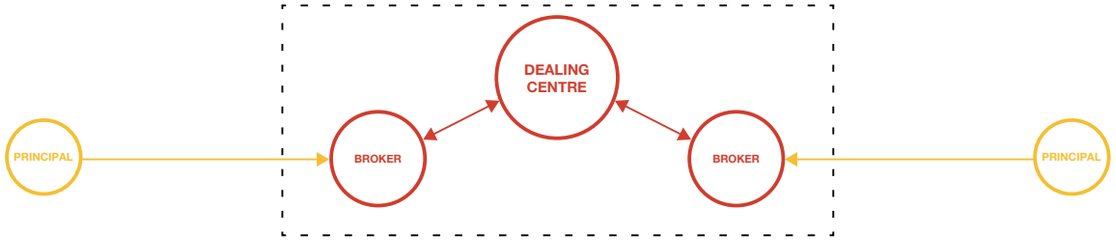
XIXth CENTURY



XXth CENTURY

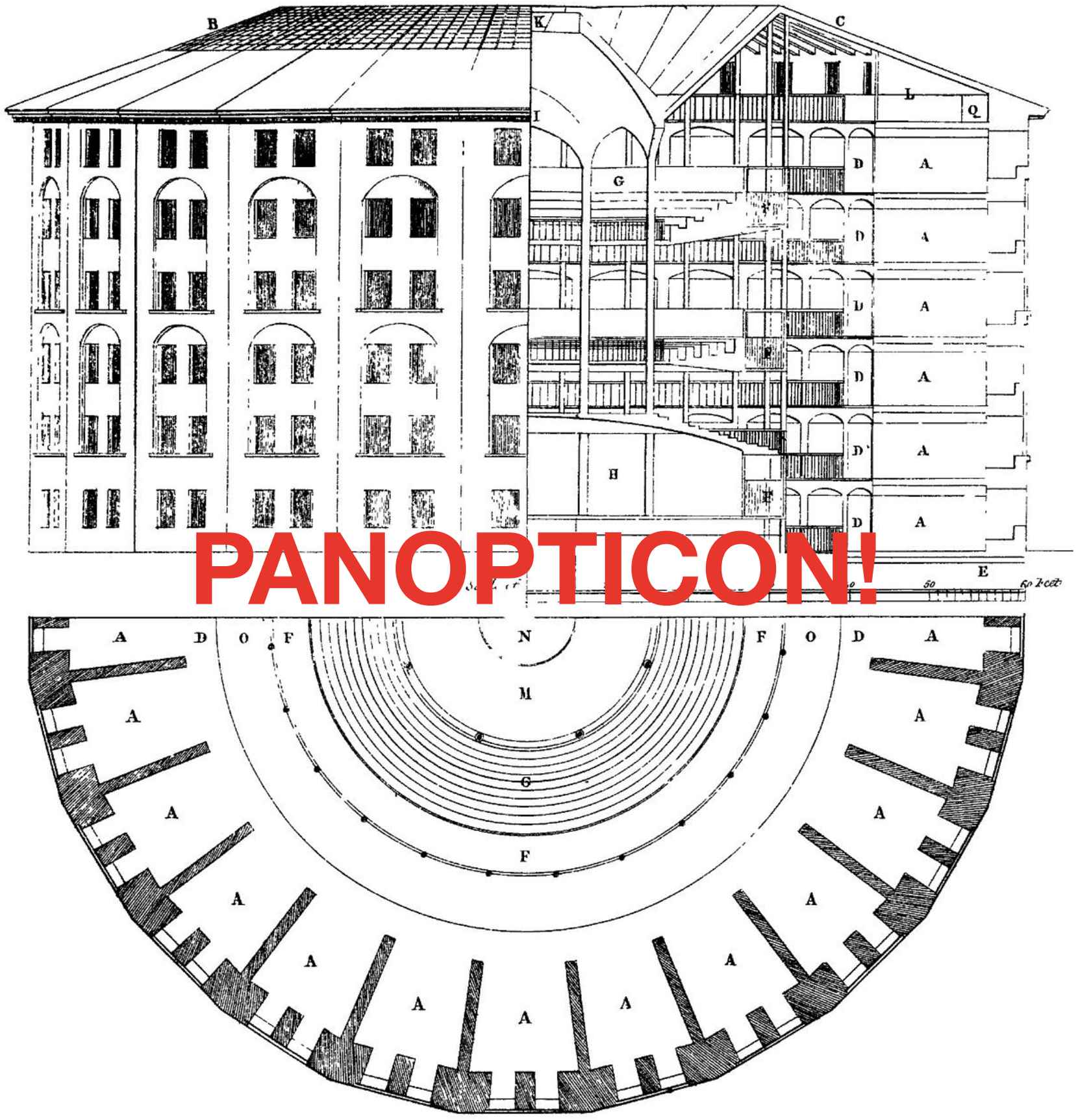


XXIst CENTURY

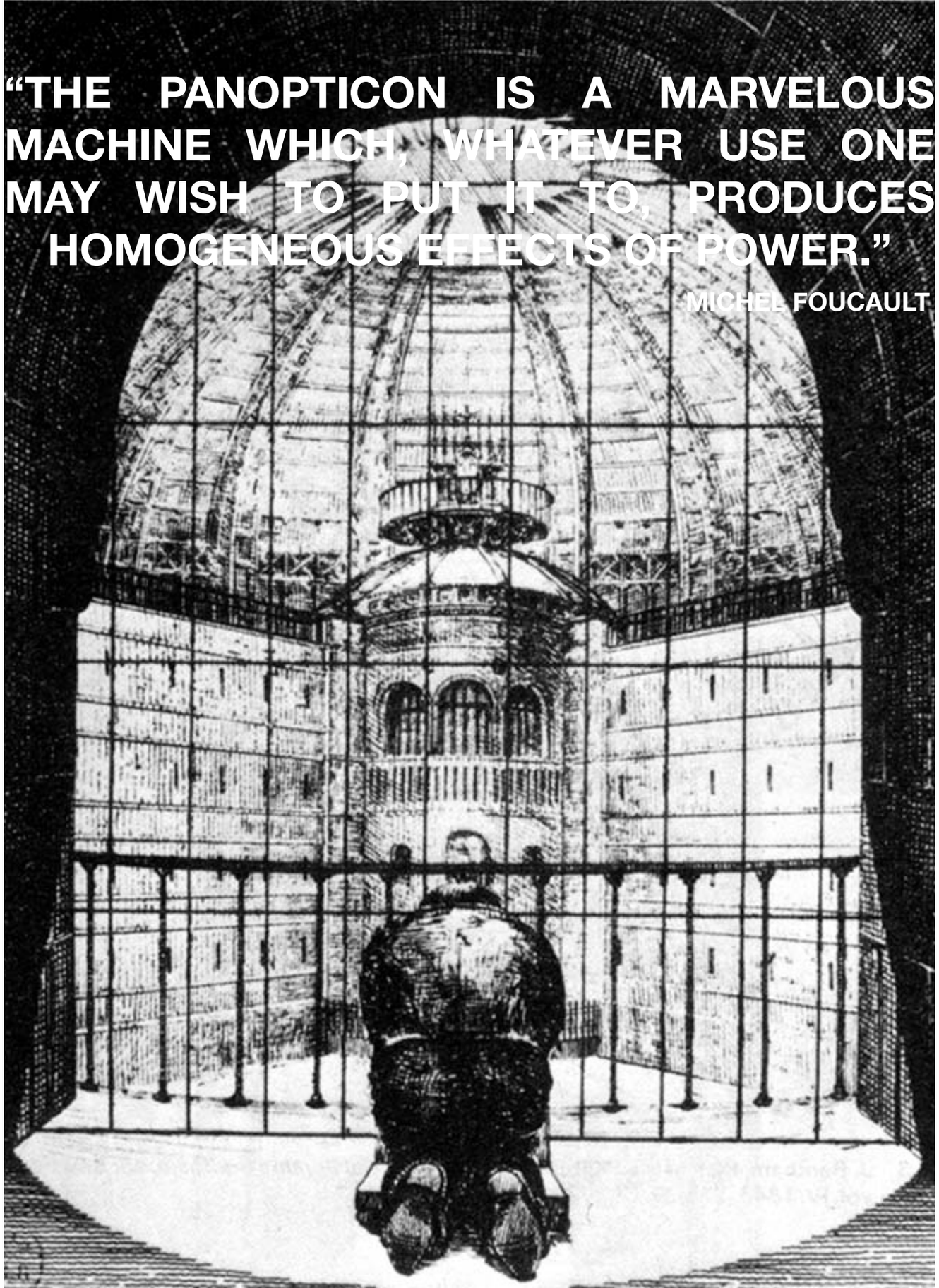


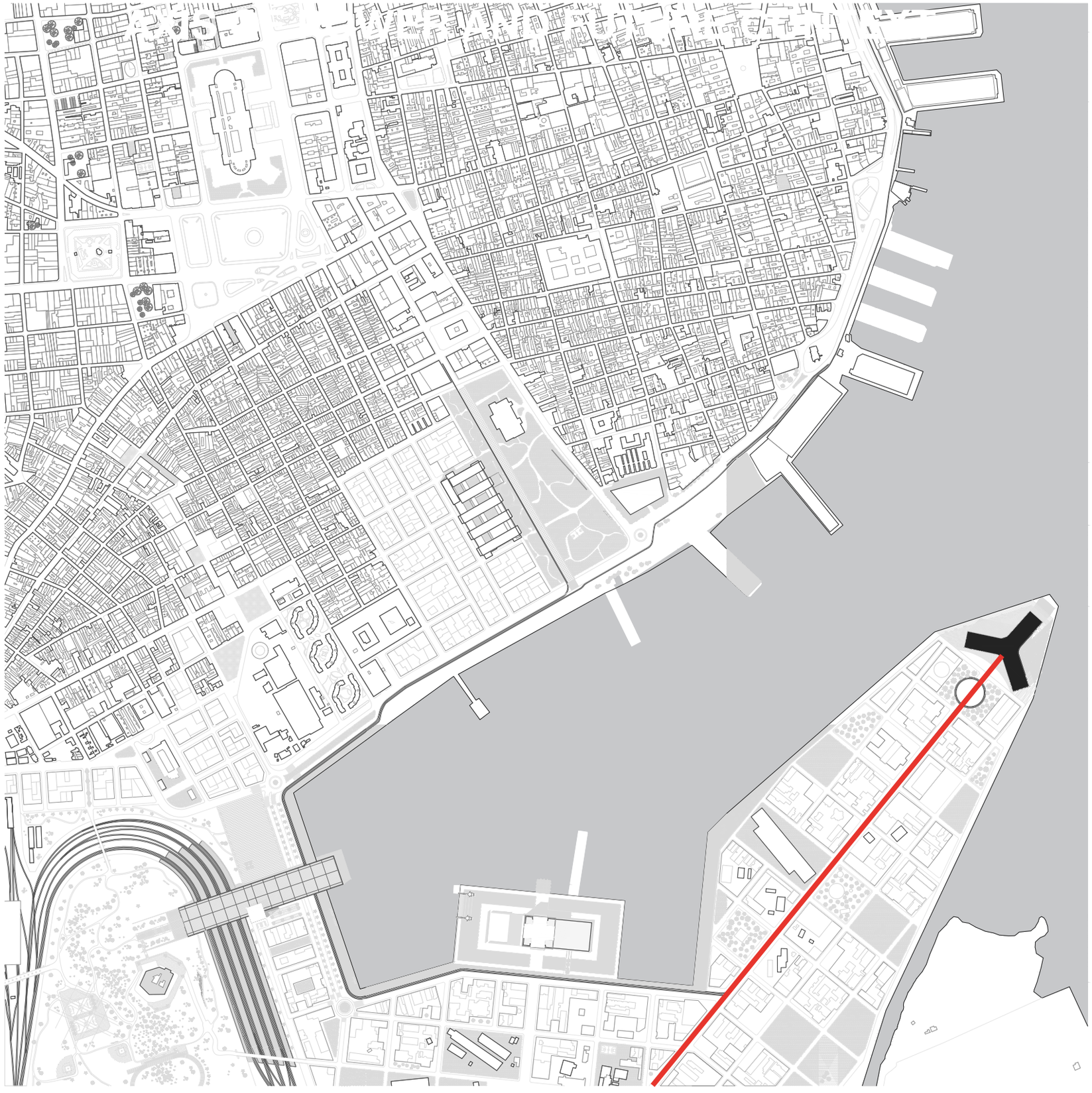
VIRTUAL?

OPEN OUTCRY?

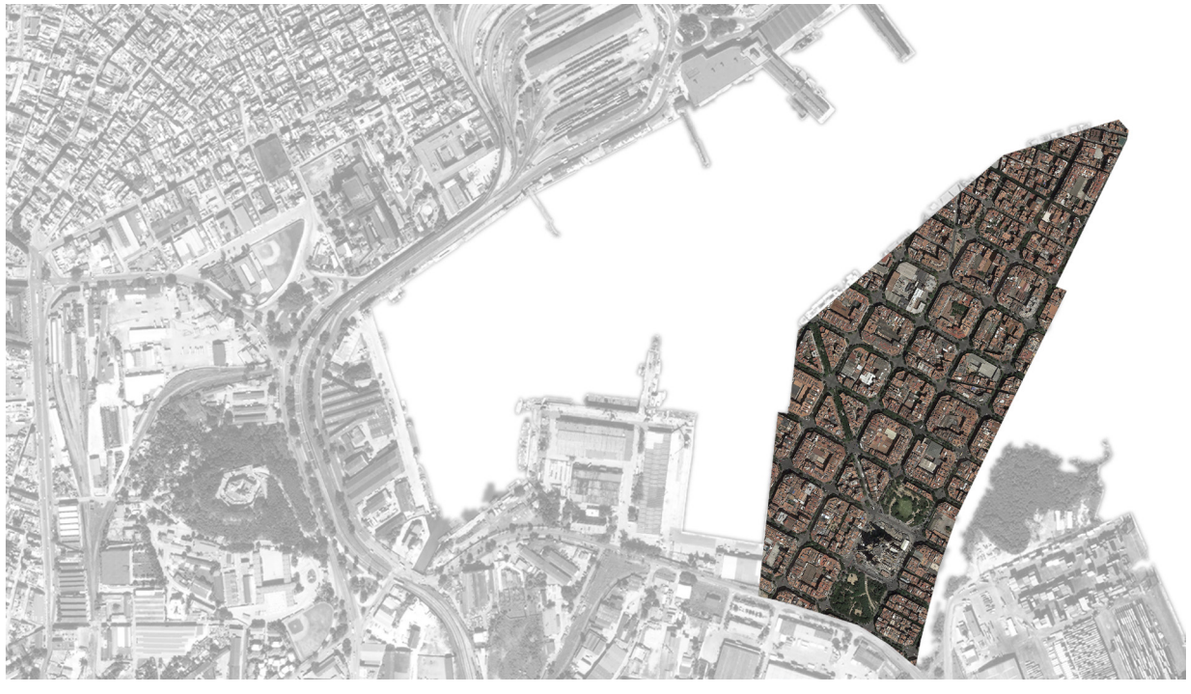


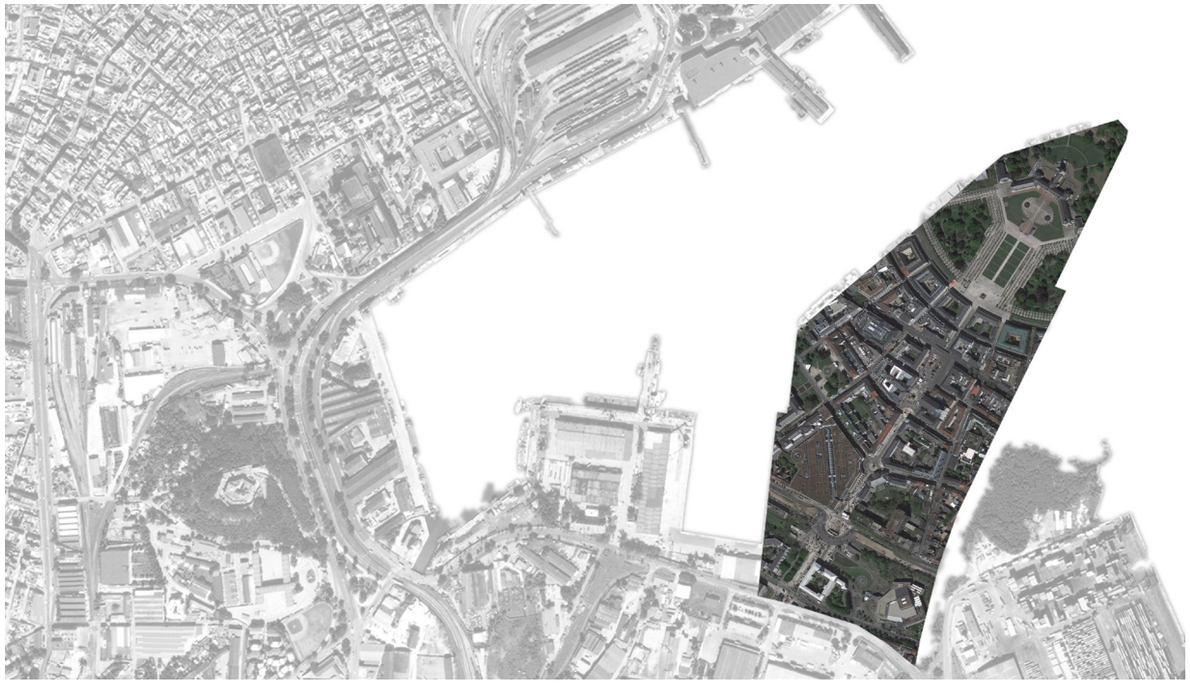
PANOPTICON!

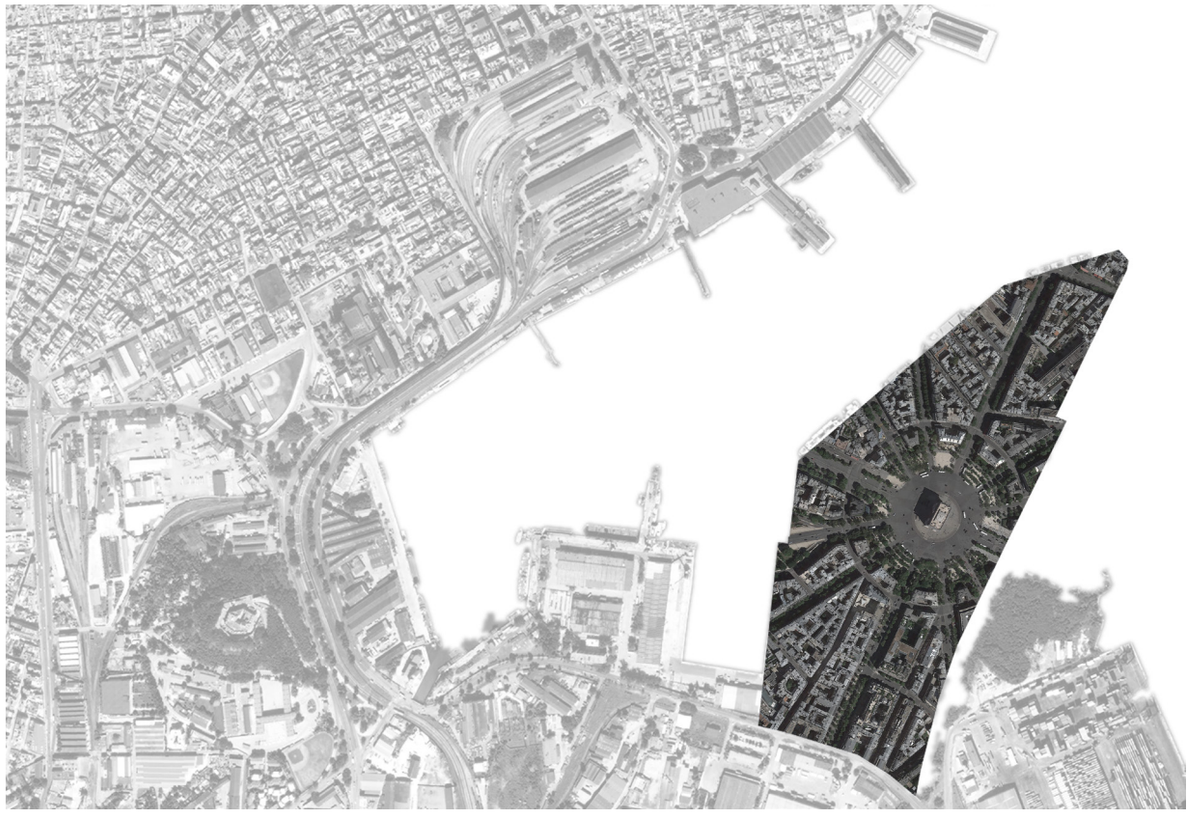

“THE PANOPTICON IS A MARVELOUS MACHINE WHICH, WHATEVER USE ONE MAY WISH TO PUT IT TO, PRODUCES HOMOGENEOUS EFFECTS OF POWER.”
MICHEL FOUCAULT



URBAN FABRICS



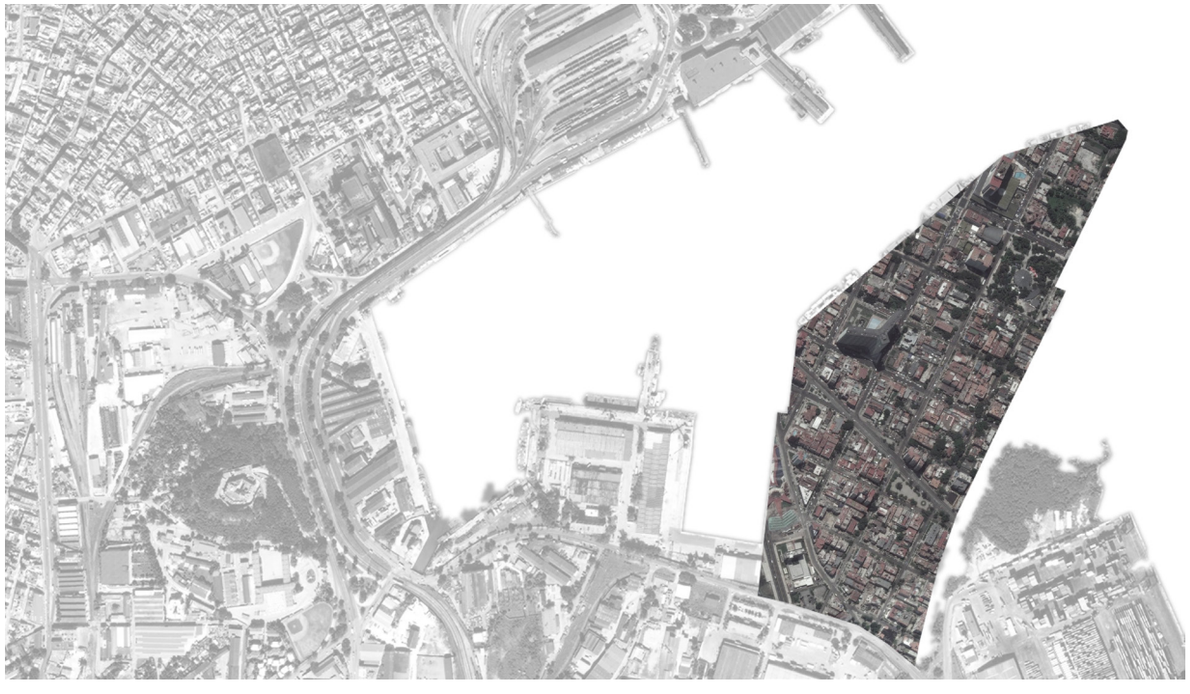






FABRICS OF HAVANA







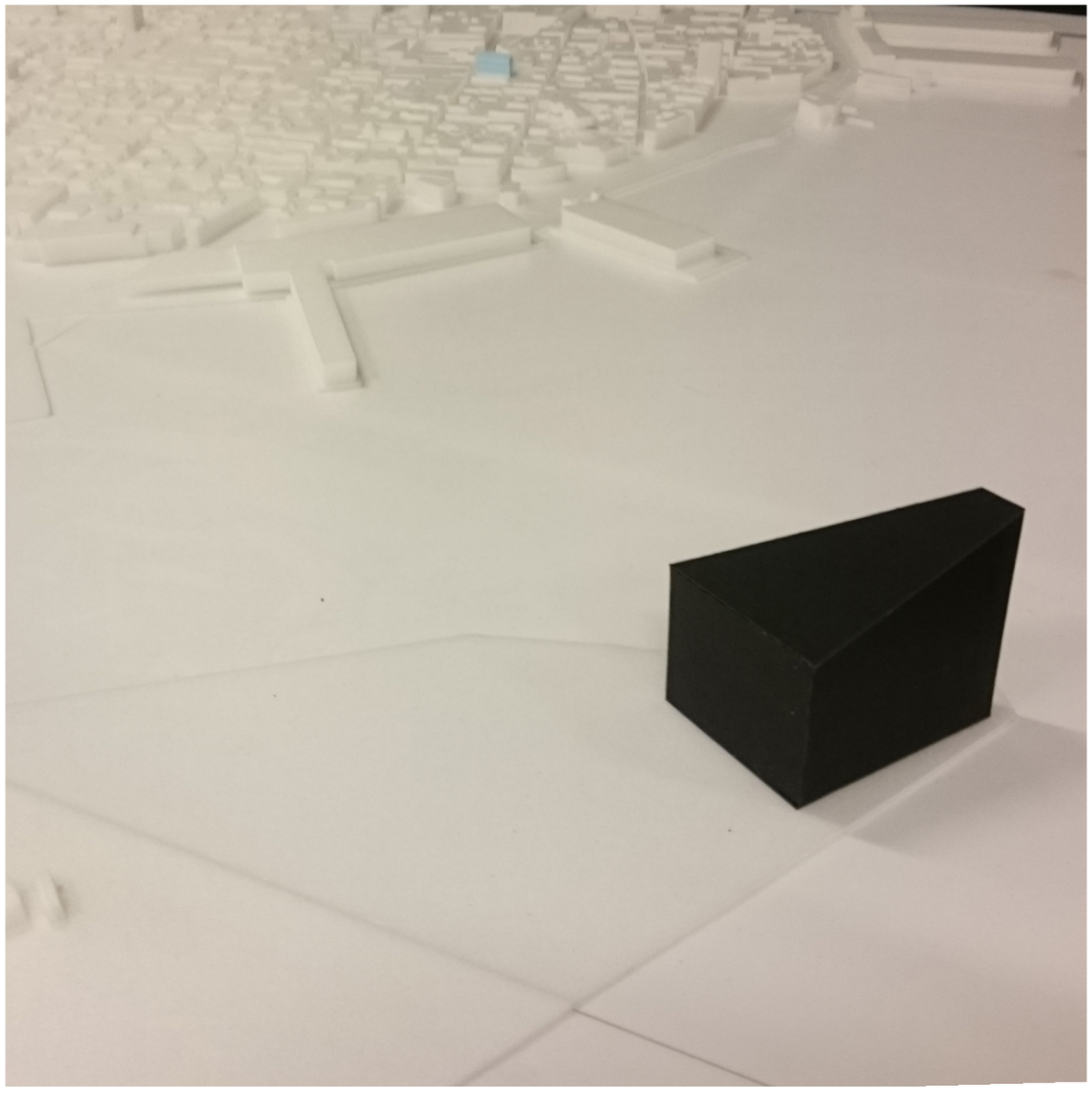


MAJOR REFERENCE

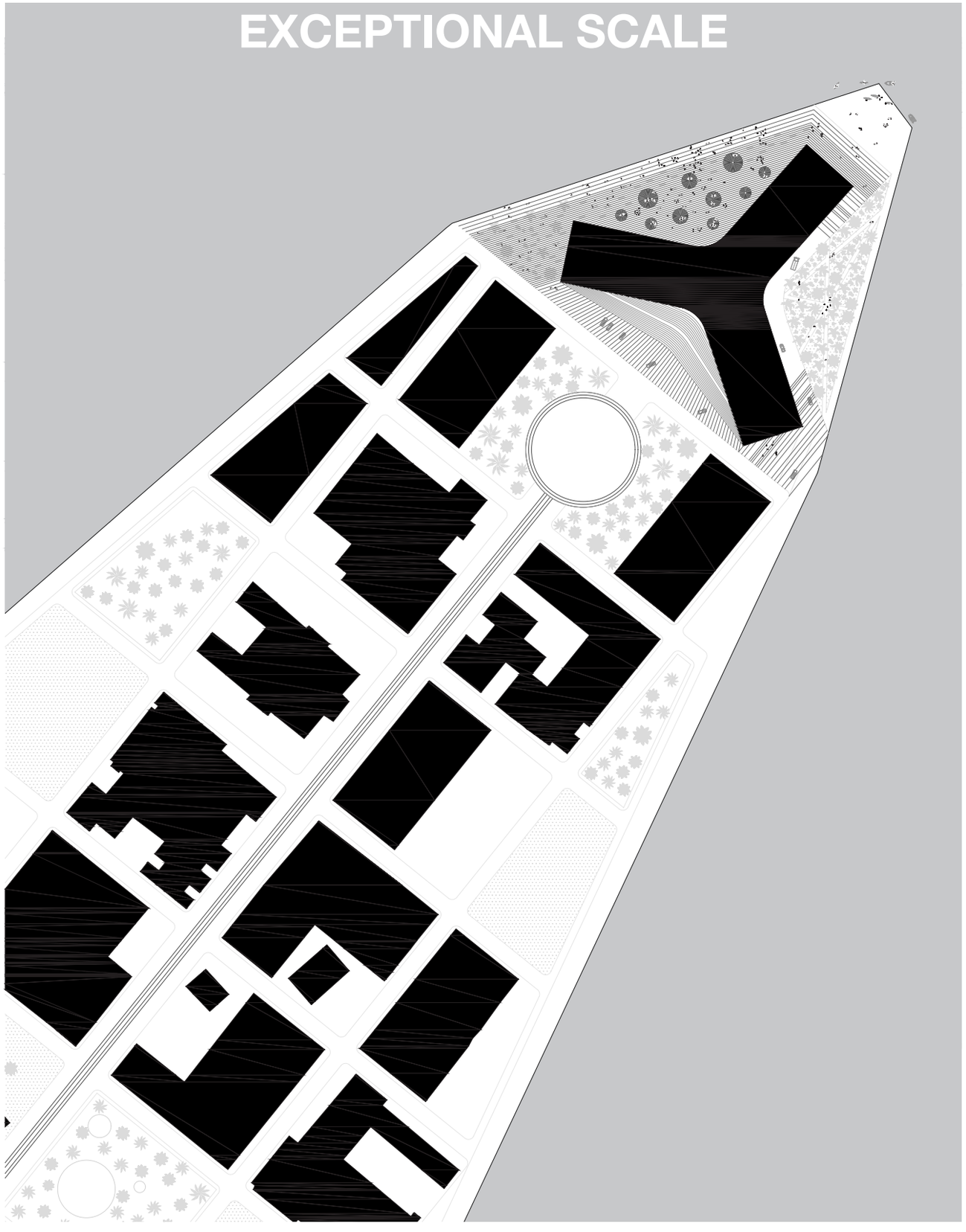
HAFENCITY



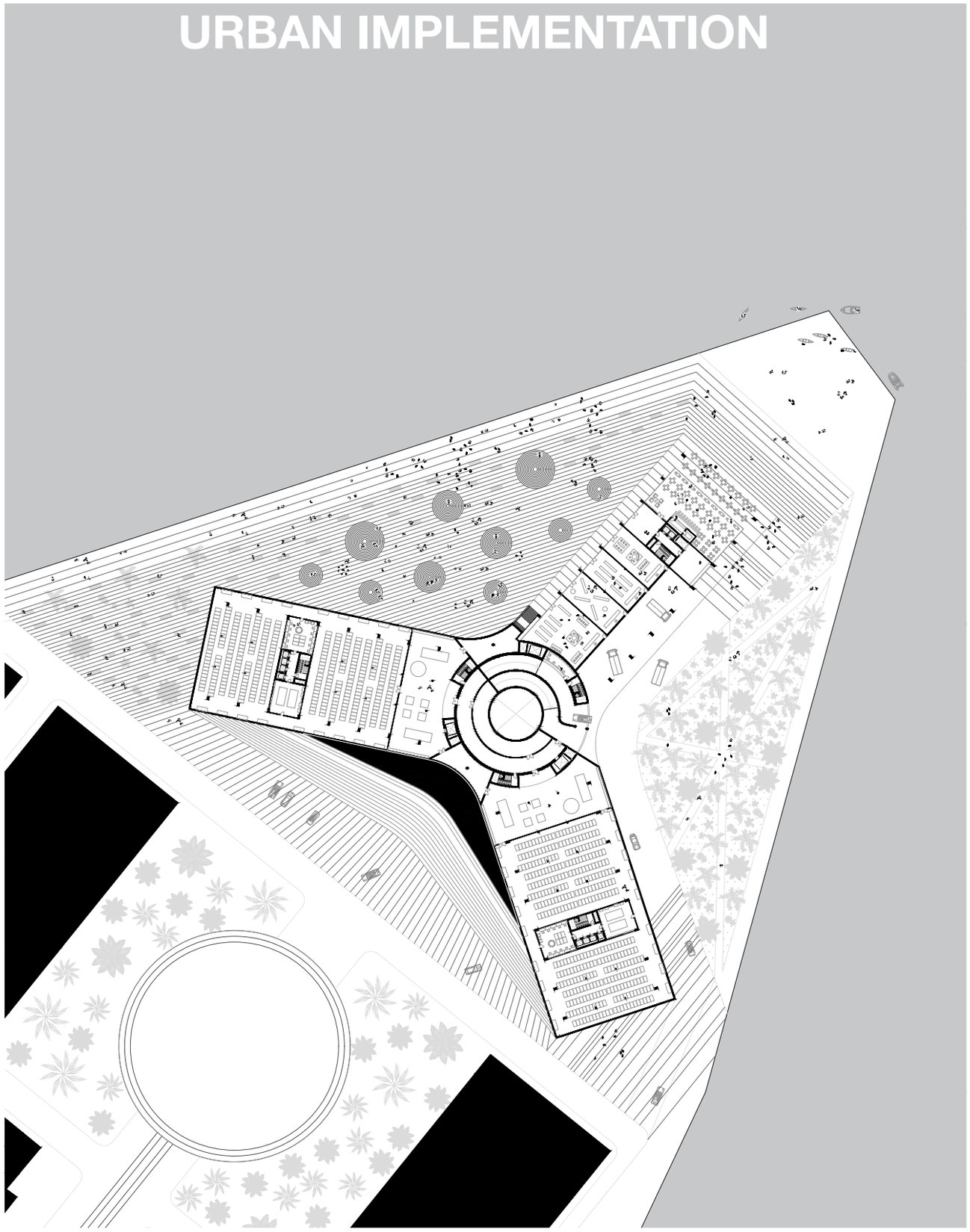
ELBPHILHARMONIE 125.000 SQM



EXCEPTIONAL SCALE

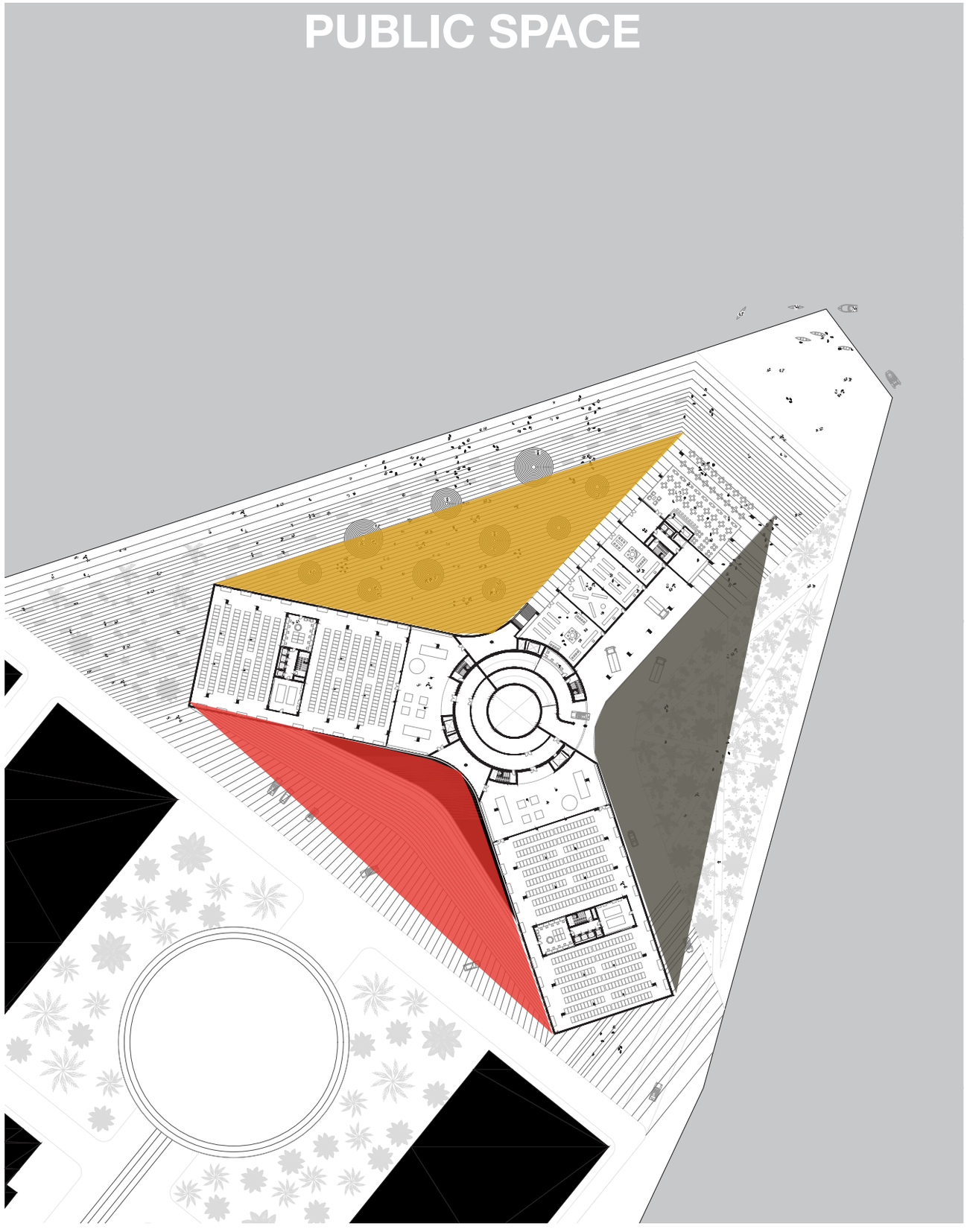


URBAN IMPLEMENTATION



PUBLIC SPACE

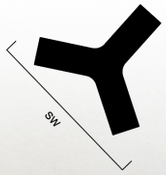
SPONTANEOUS
THEATER



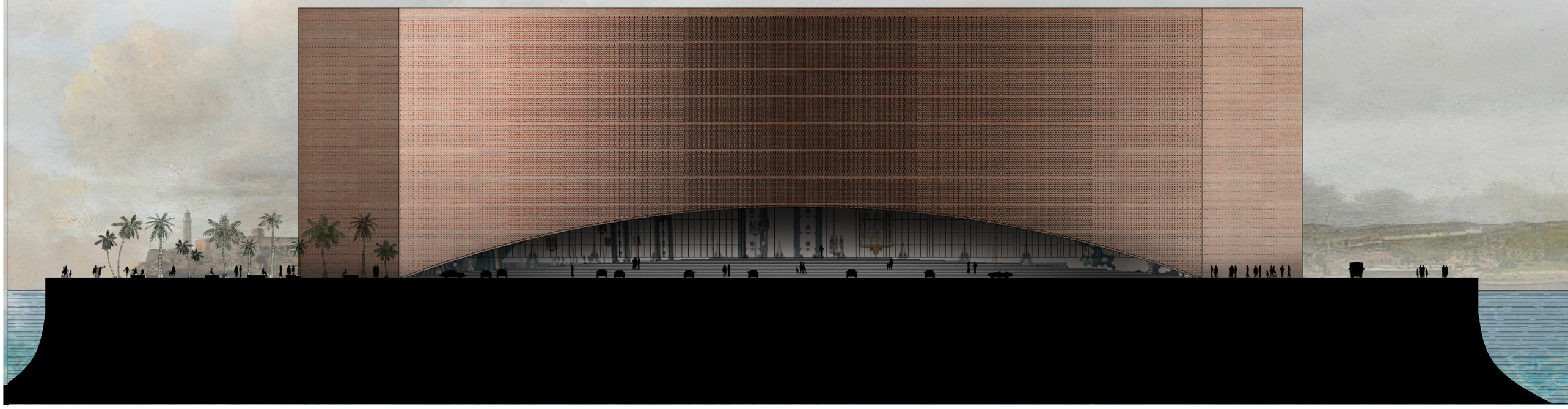
SHADE
GARDEN

ARCHITECTURAL
PROMENADE

ARCHITECTURAL PROMENADE

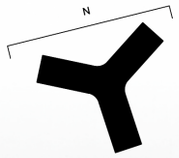


South-west

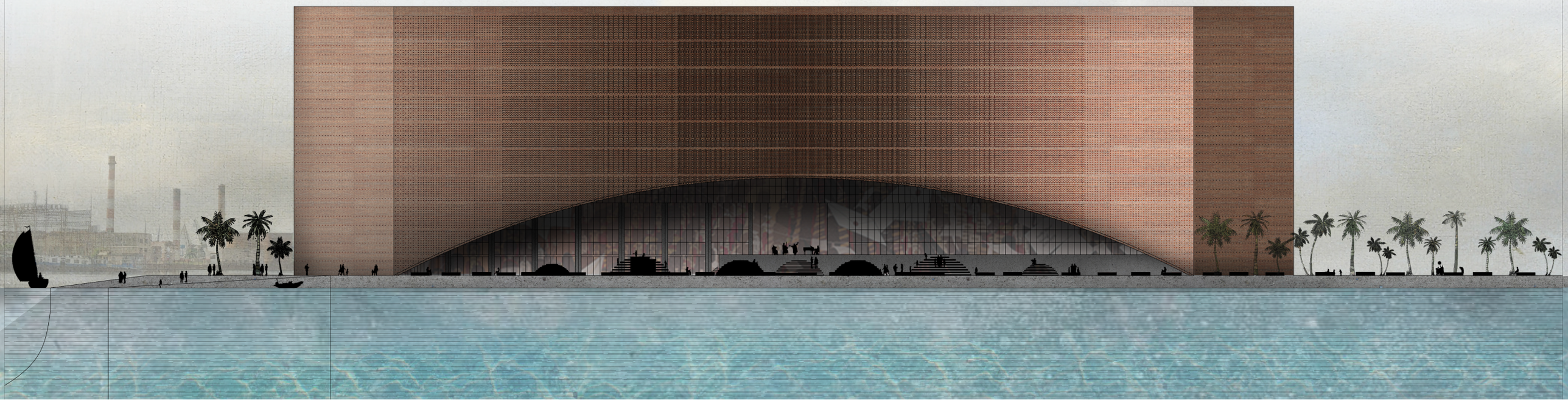


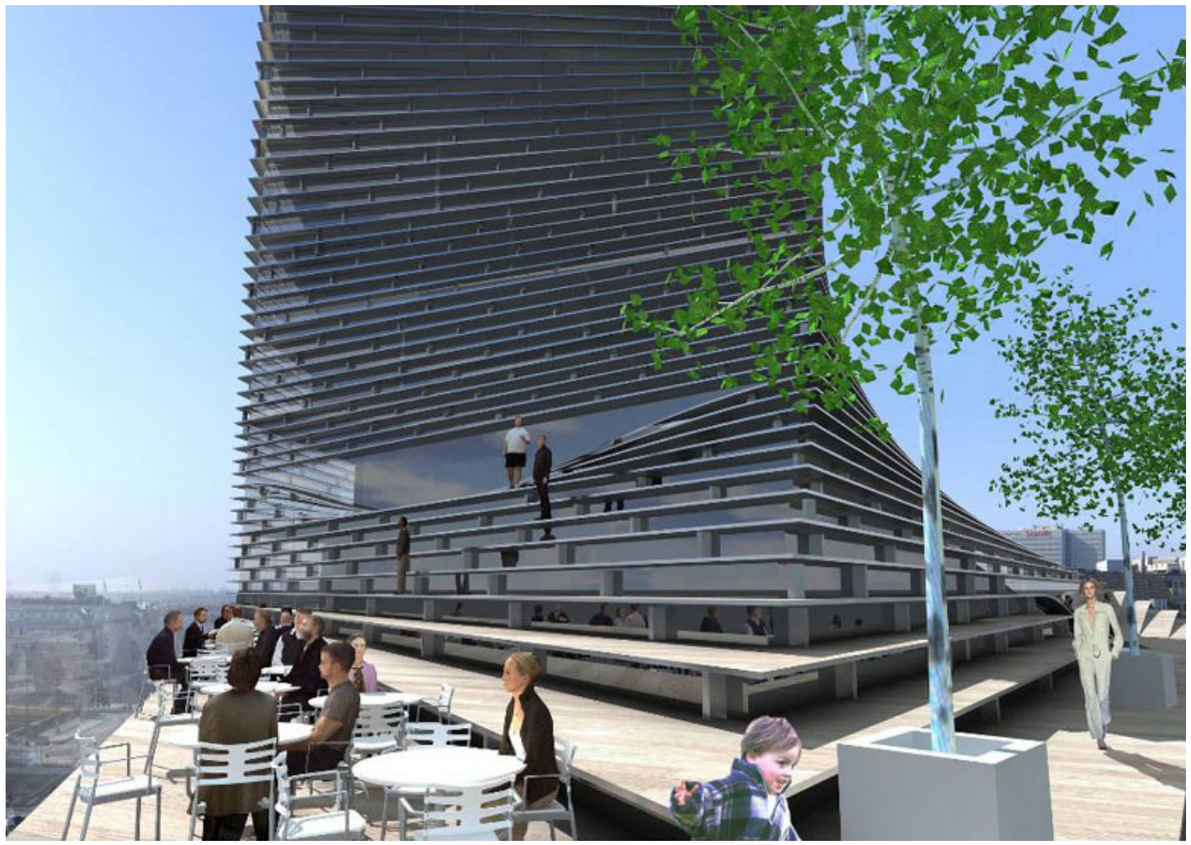


SPONTANEOUS THEATER



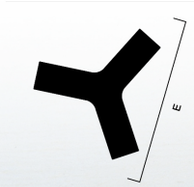
North



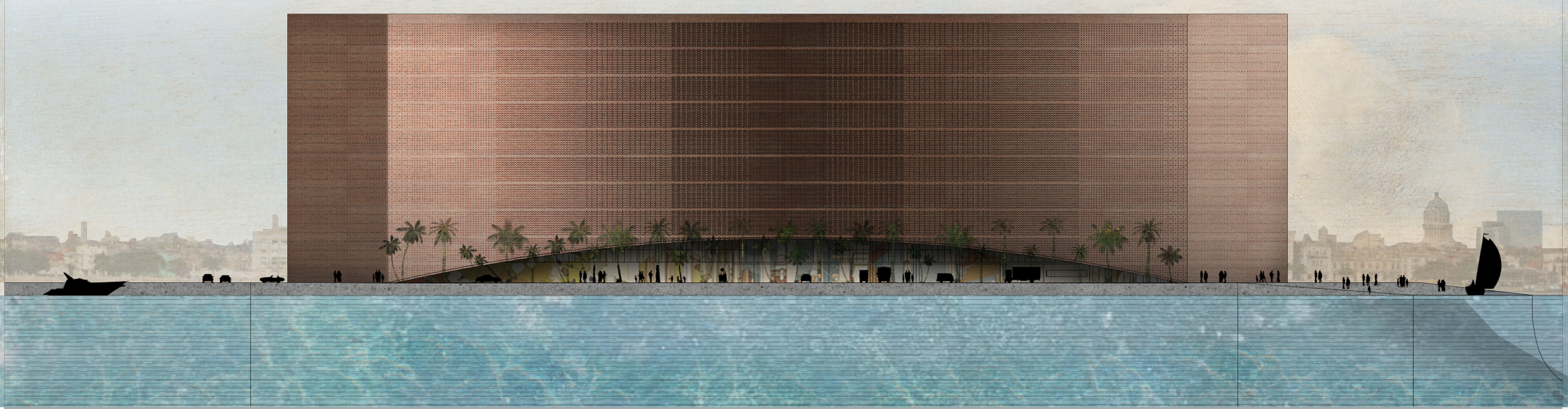




SHADE GARDEN



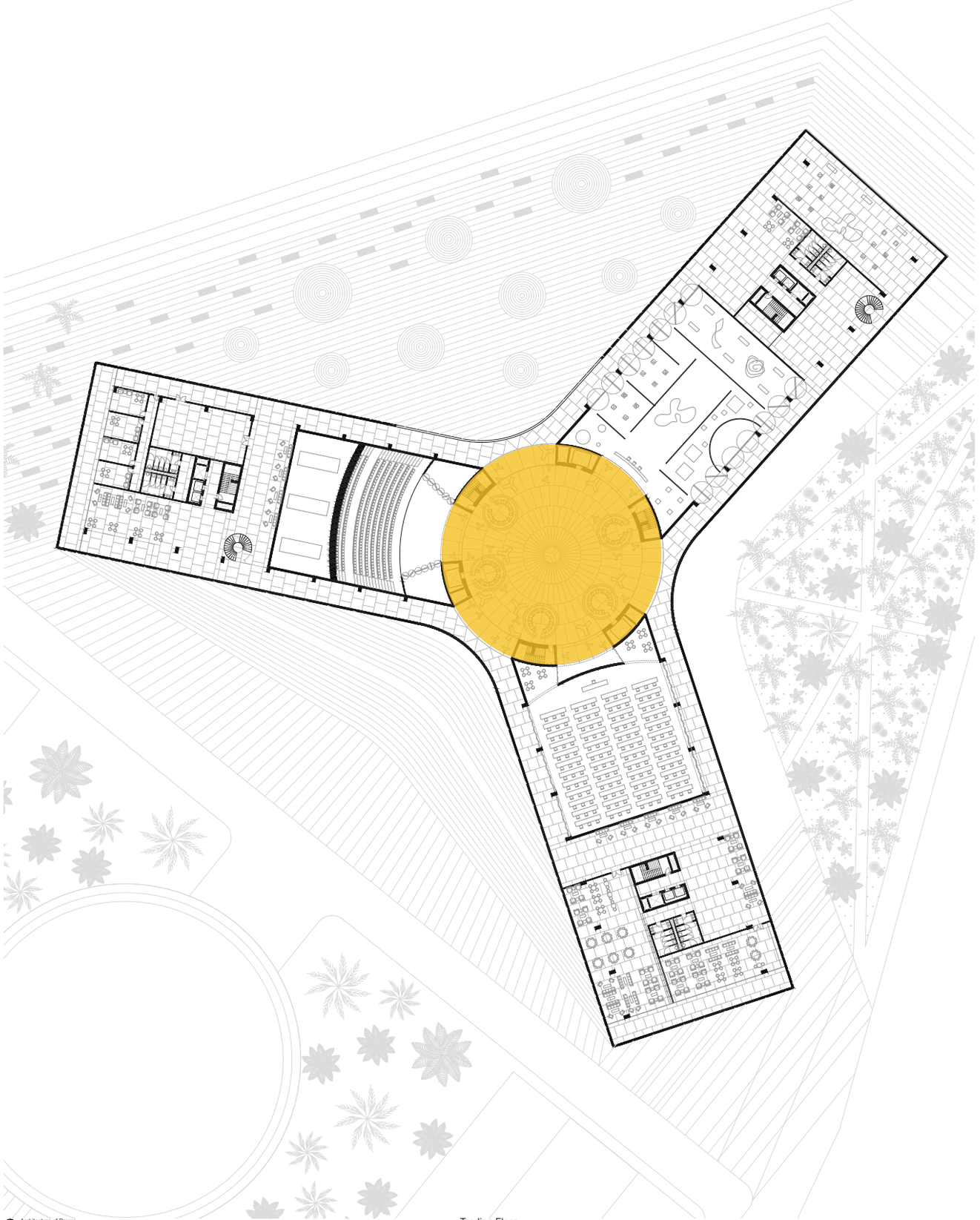
East



Plan 3

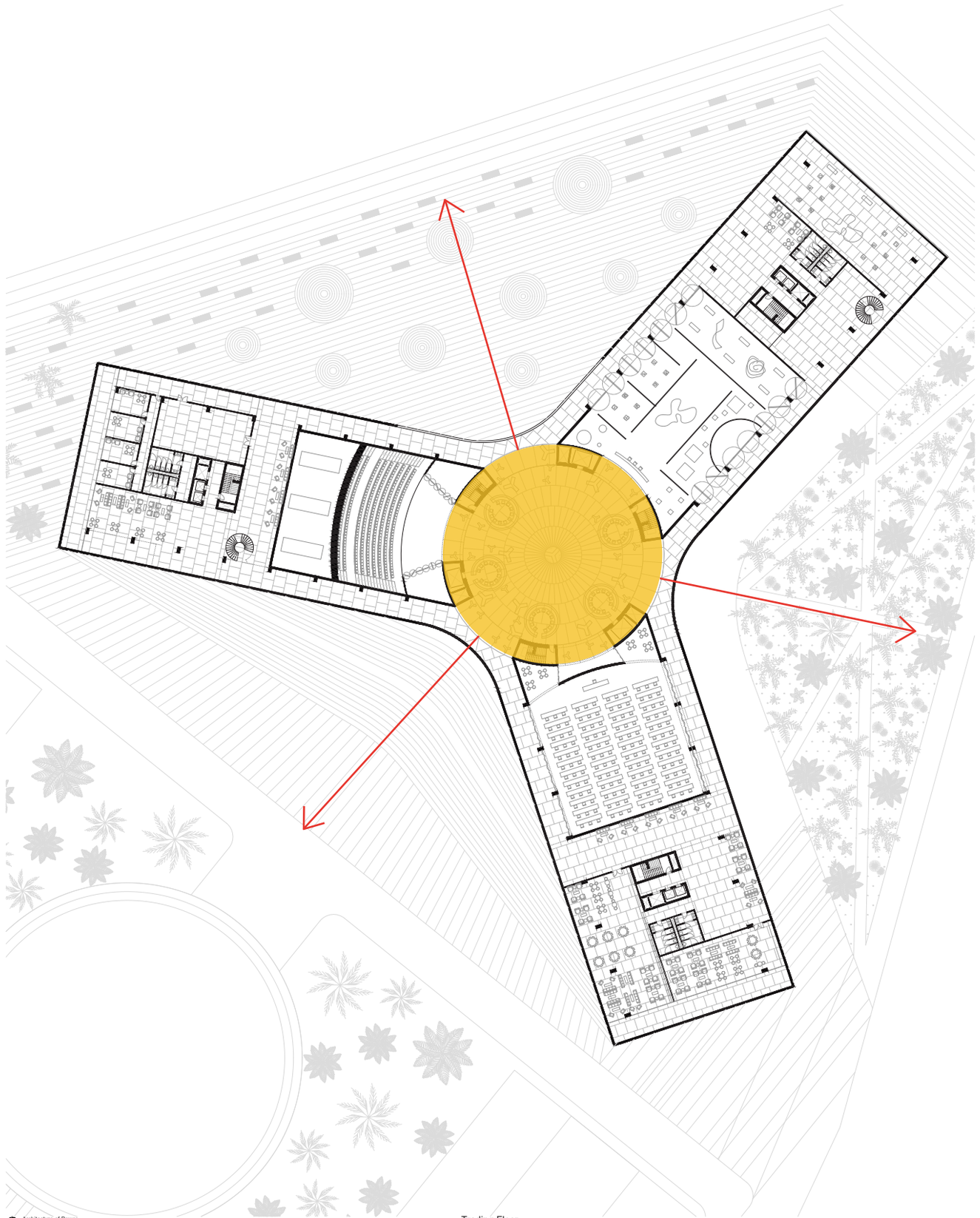


TRADING FLOOR/FOYER = PANOPTICON



MAIN VIEWS

VIEJA
(OLD CITY)



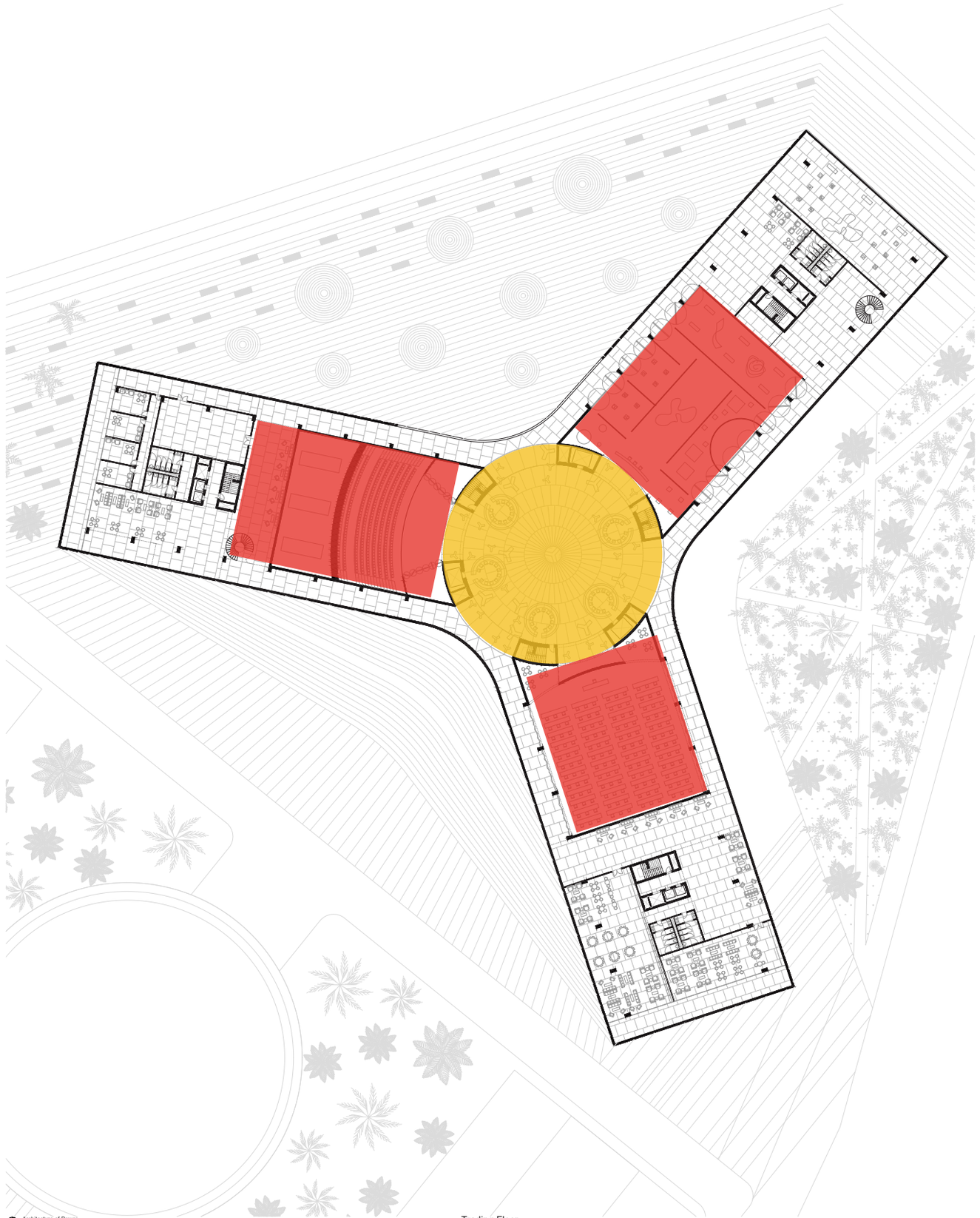
HAIPHONG
(NEW BUSINESS FISTRICT)

REGLA
(FUTURE DEVELOPMENTS)

MAIN FUNCTIONS

MAIN AUDITORIUM

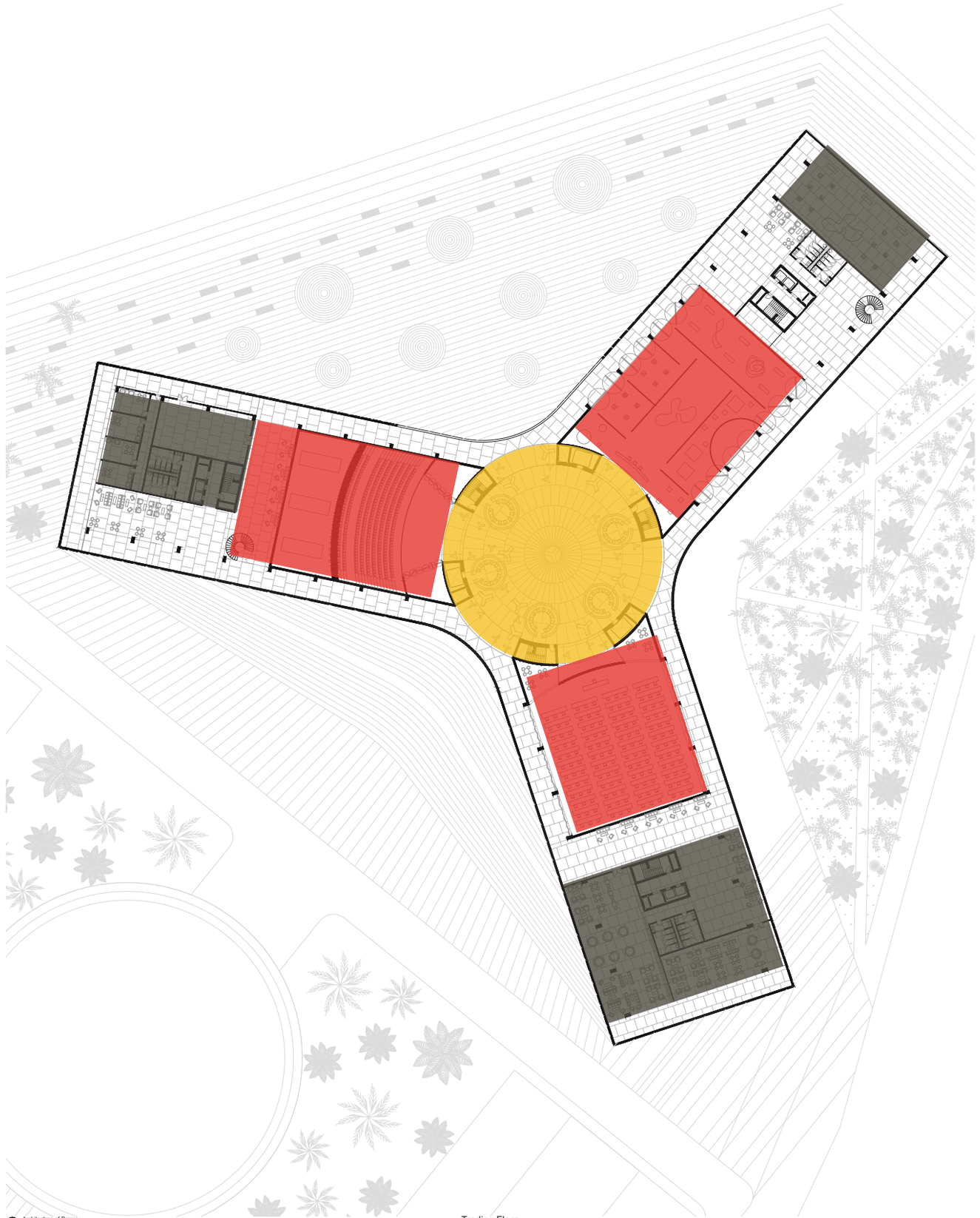
MUSEUM



MAIN LECTURE HALL

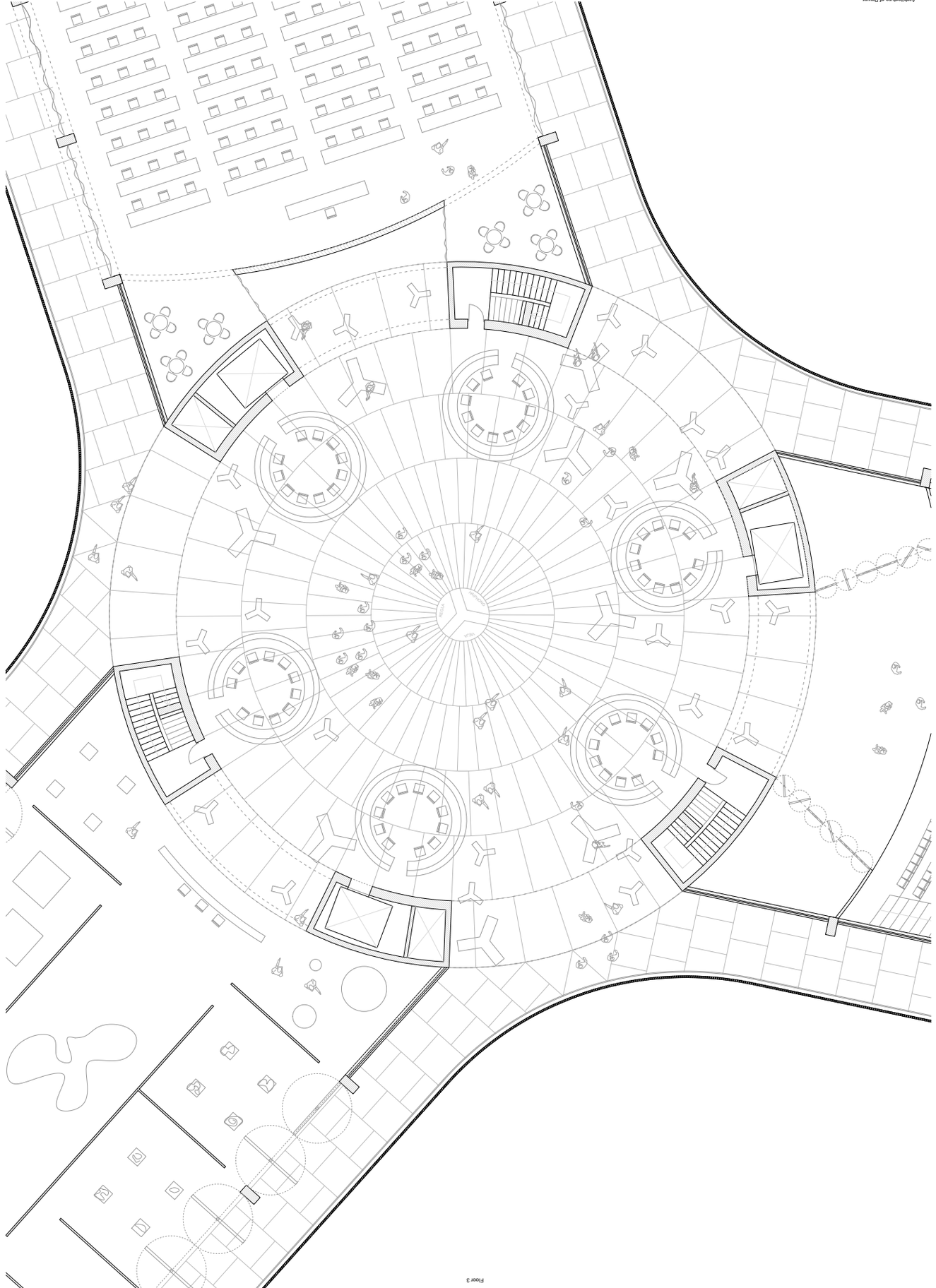
SECONDARY FUNCTIONS

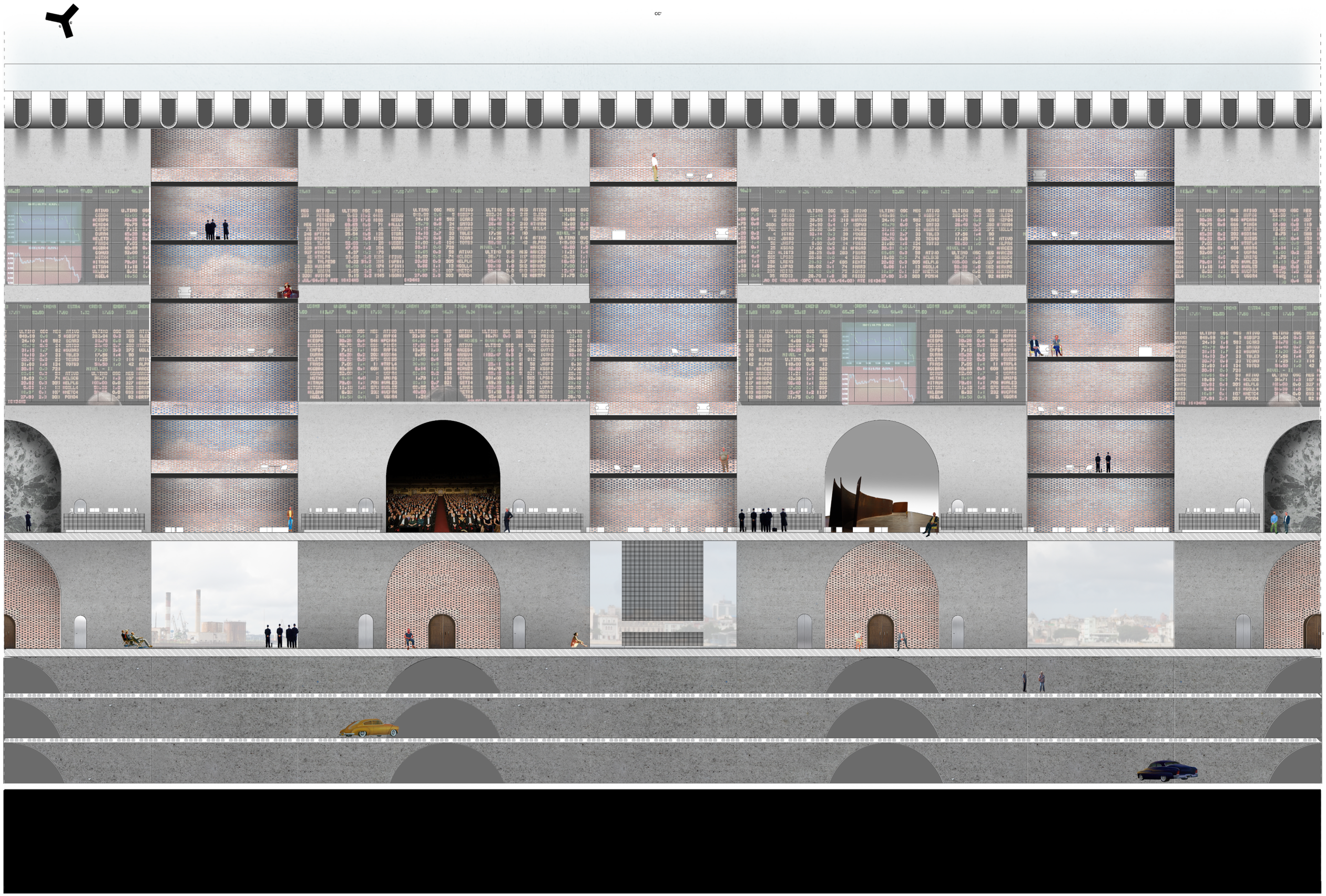
DRESSING ROOMS
WAITING AREA

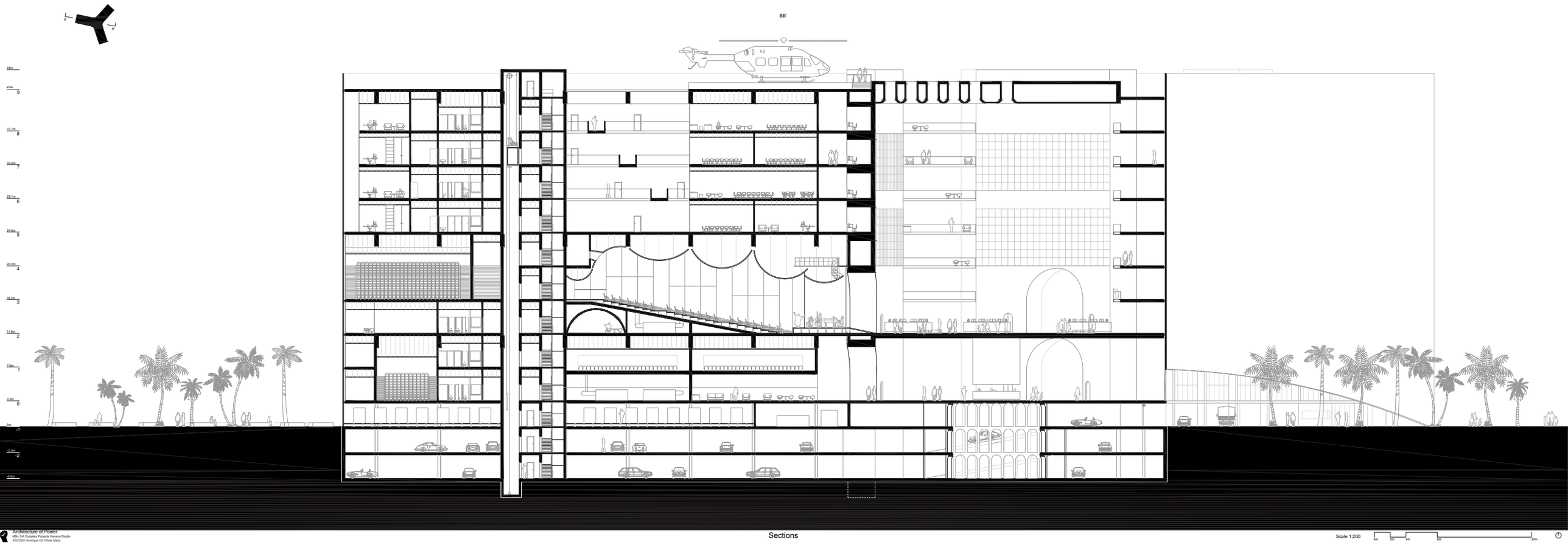


TEMPORARY EXHIBITHION

LOUNGE VIP ROOM


Floor 3

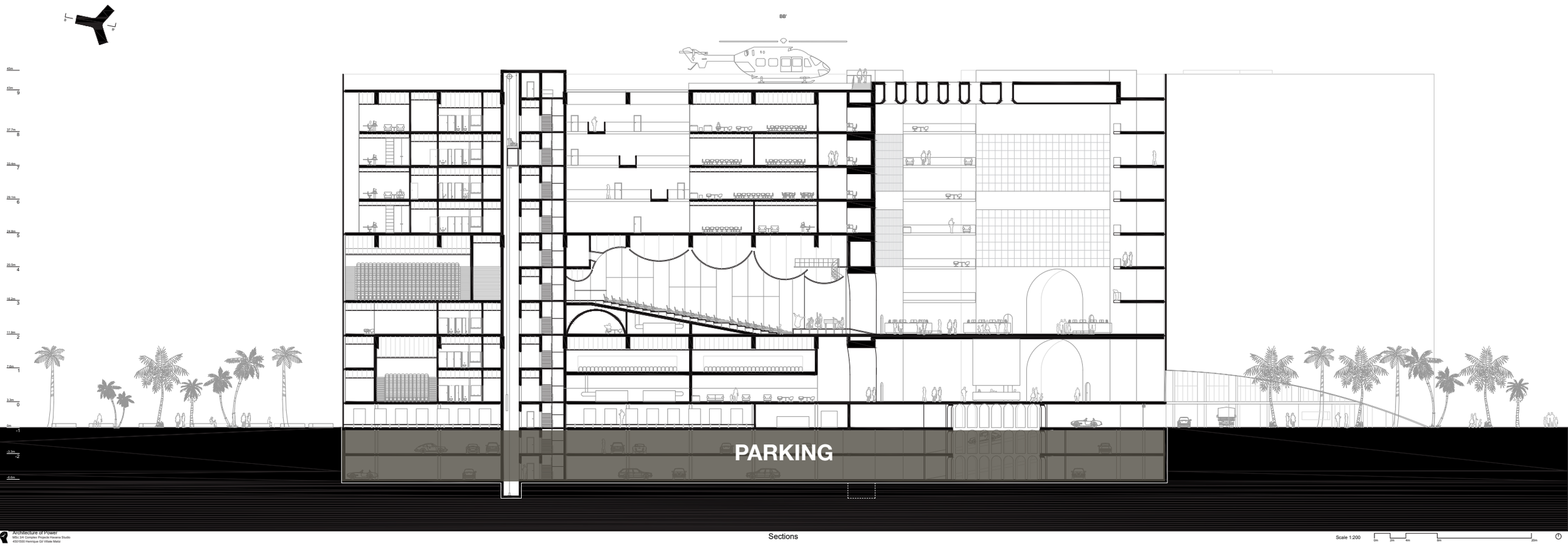

CC'



Architecture of Power
MSc 3/4 Complex Projects Havana Studio
450/1500 Henrique Gil Villate Matiz

Sections

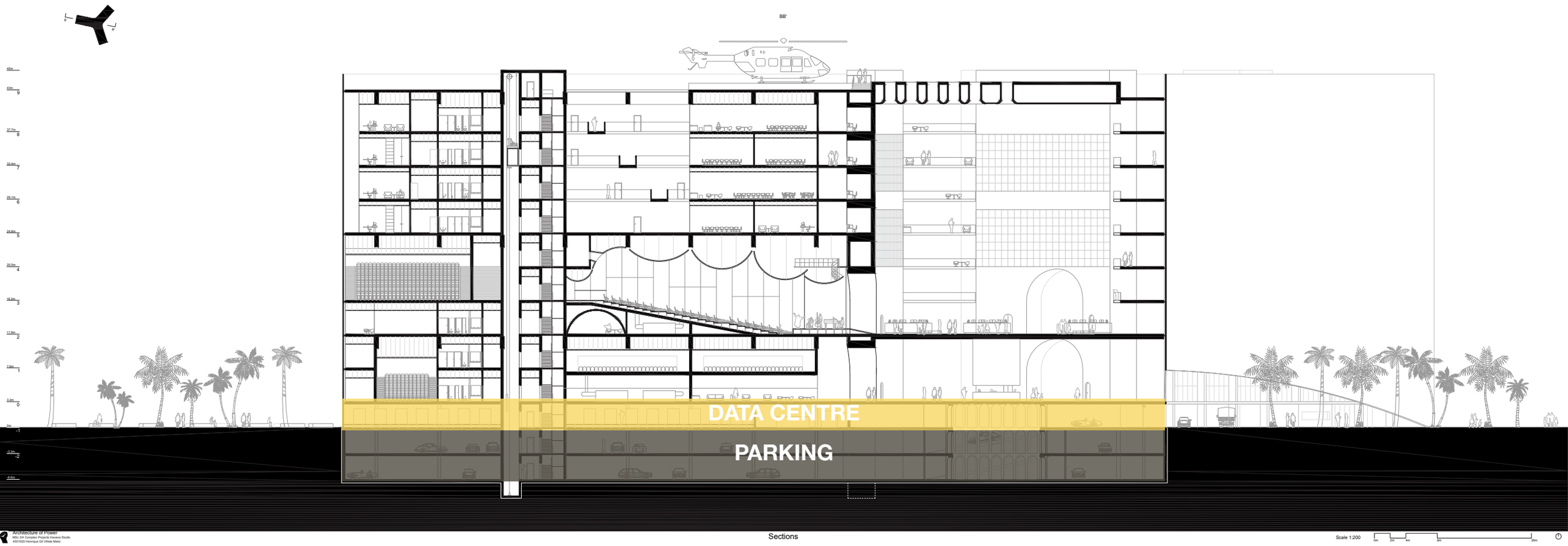
Scale 1:200
0m 2m 4m 8m 20m



Architecture of Power
MSc 3/4 Complex Projects Havana Studio
450/1500 Henrique Gil Villate Matiz

Sections

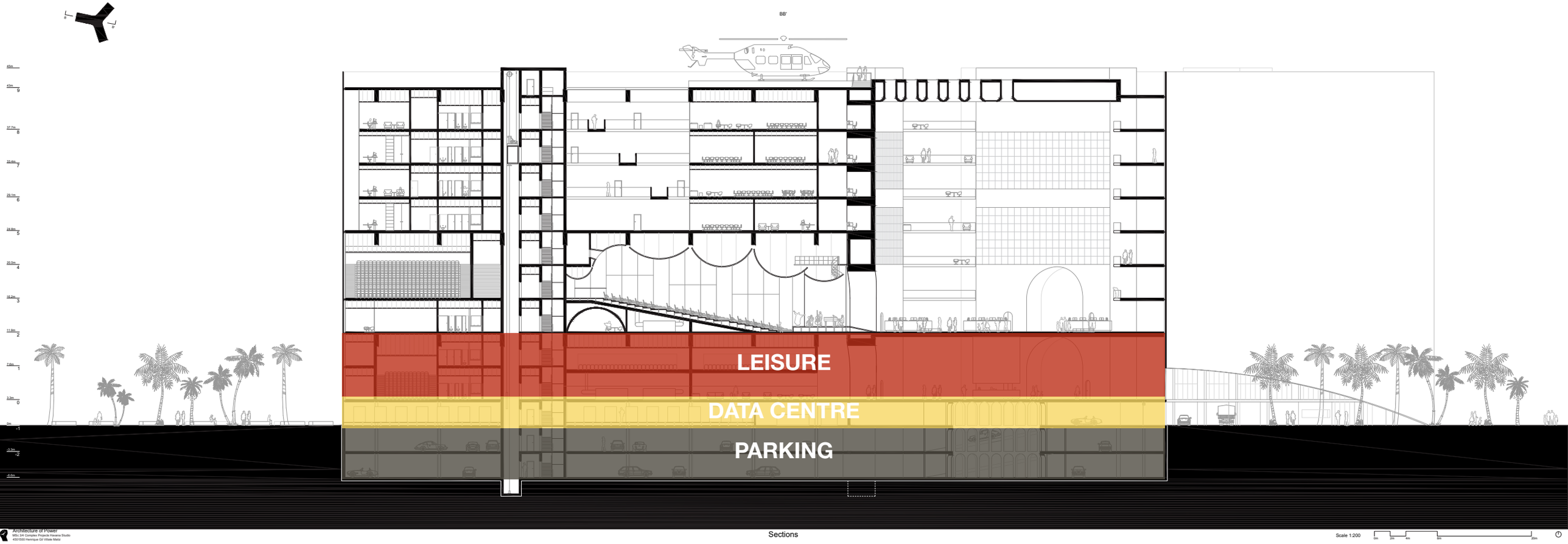
Scale 1:200
0m 2m 4m 8m 20m



Architecture of Power
MSc 3/4 Complex Projects Havana Studio
450/1500 Henrique Gil Villate Matiz

Sections

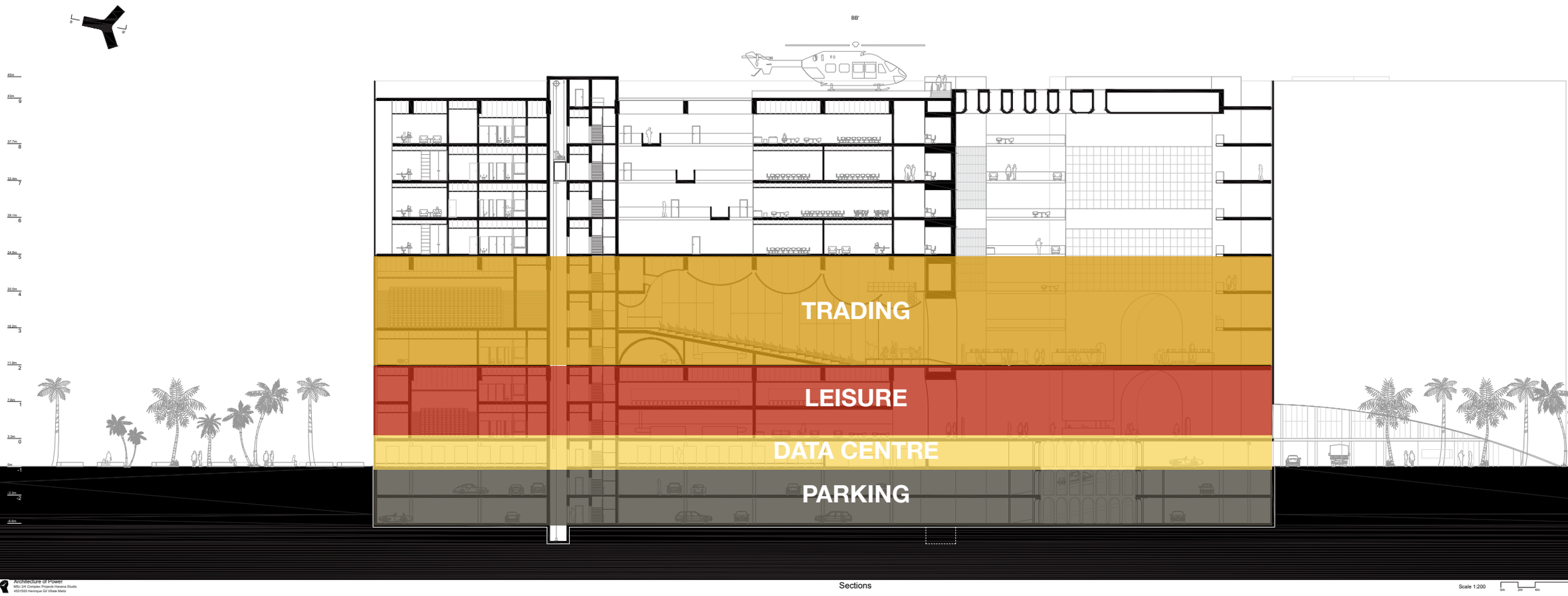
Scale 1:200
0m 2m 4m 8m 20m



Architecture of Power
MSc 3/4 Complex Projects Havana Studio
450/1500 Henrique Gil Villate Matiz

Sections

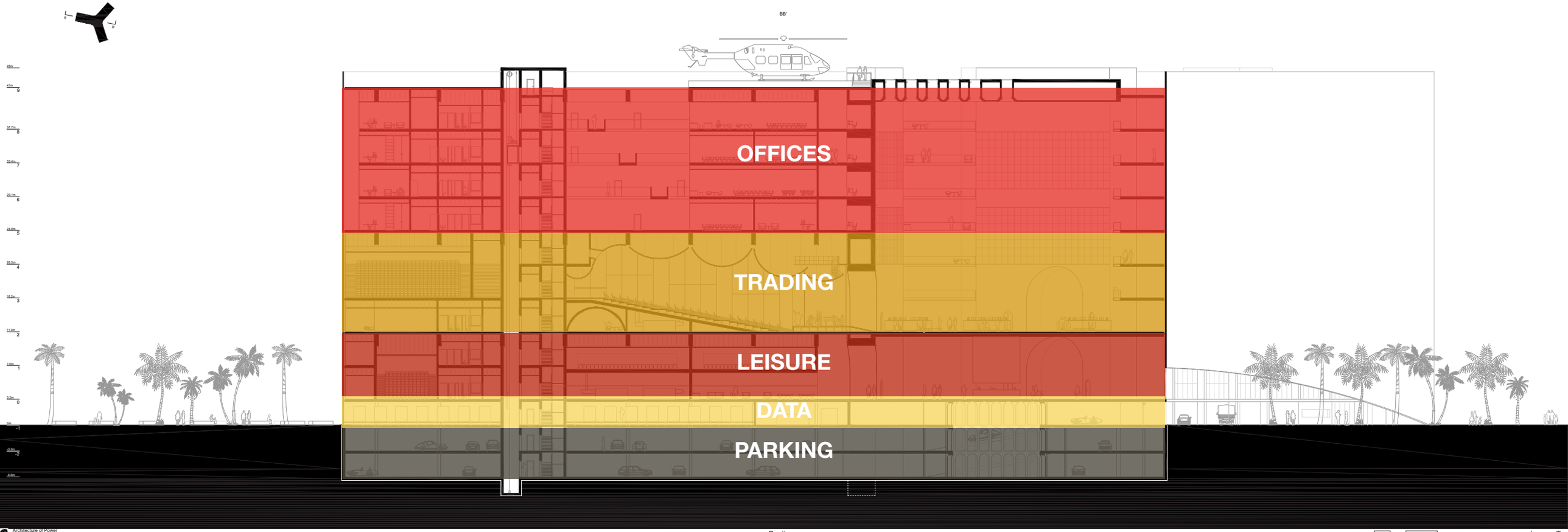
Scale 1:200



Architecture of Power
MSc 3/4 Complex Projects Havana Studio
450/1500 Henrique Gil Villate Matiz

Sections

Scale 1:200

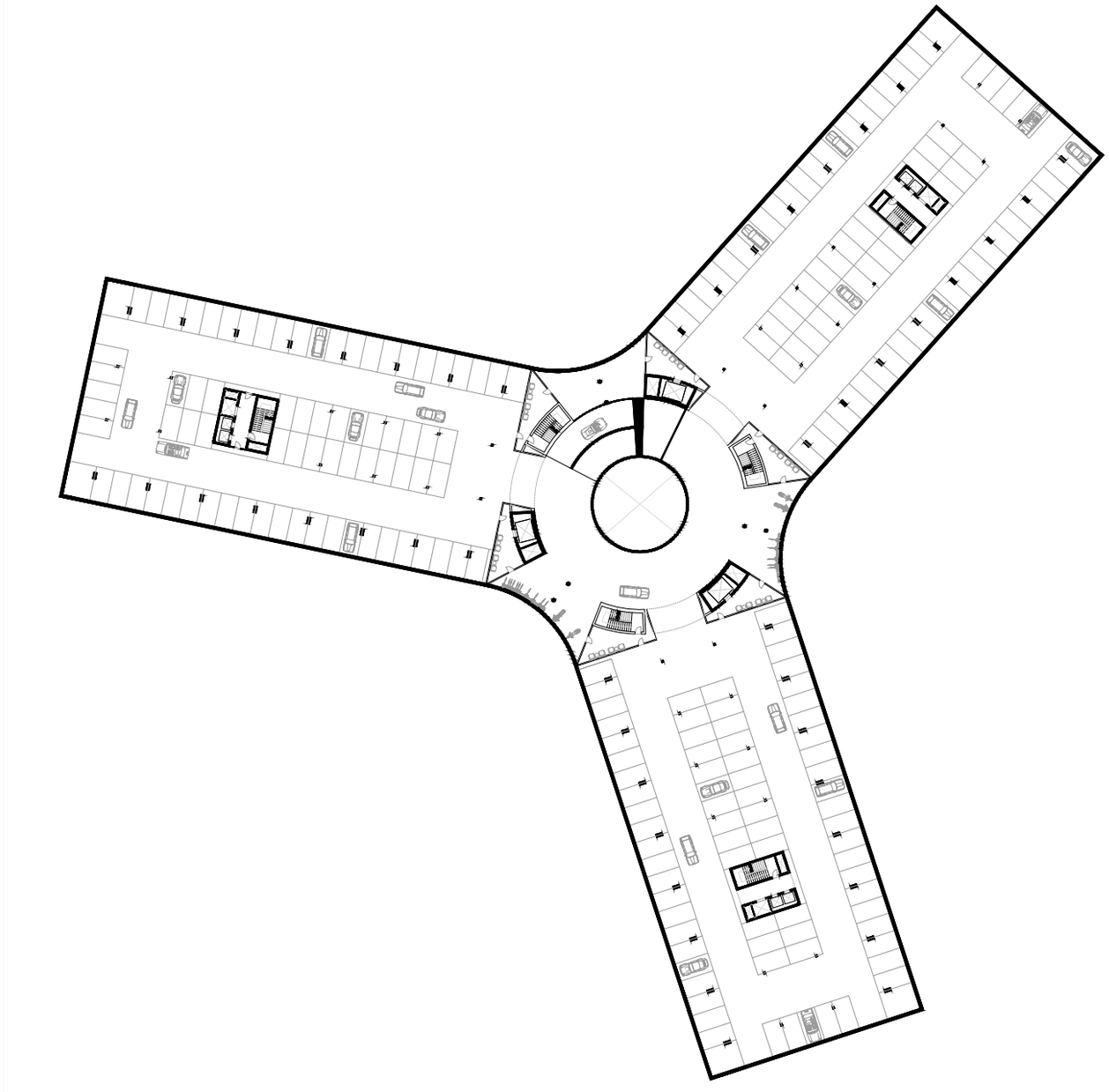


Architecture of Power
MSc 3/4 Complex Projects Havana Studio
450/1500 Henrique Gil Villate Matiz

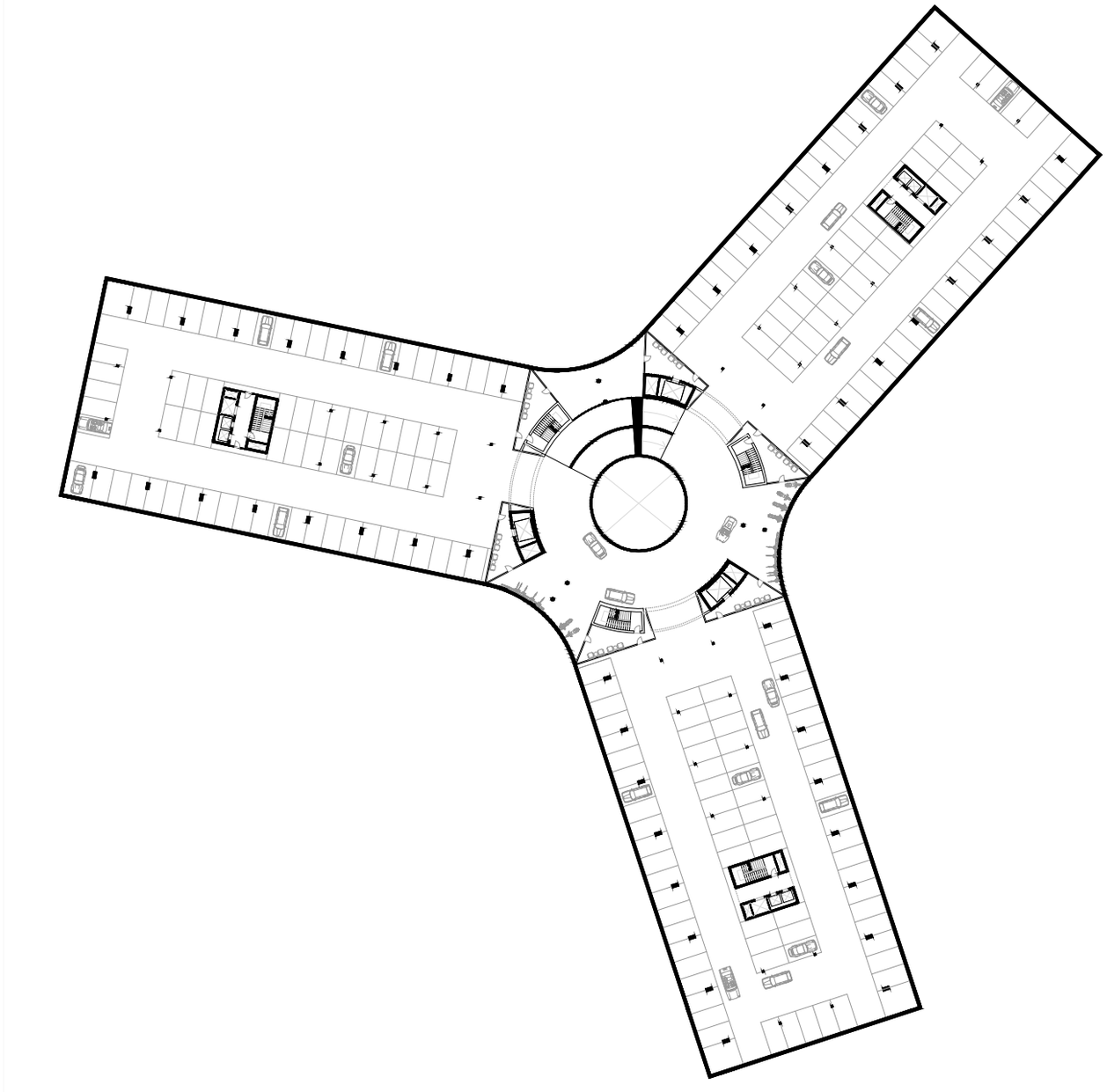
Sections

Scale 1:200

FLOOR -2
PARKING

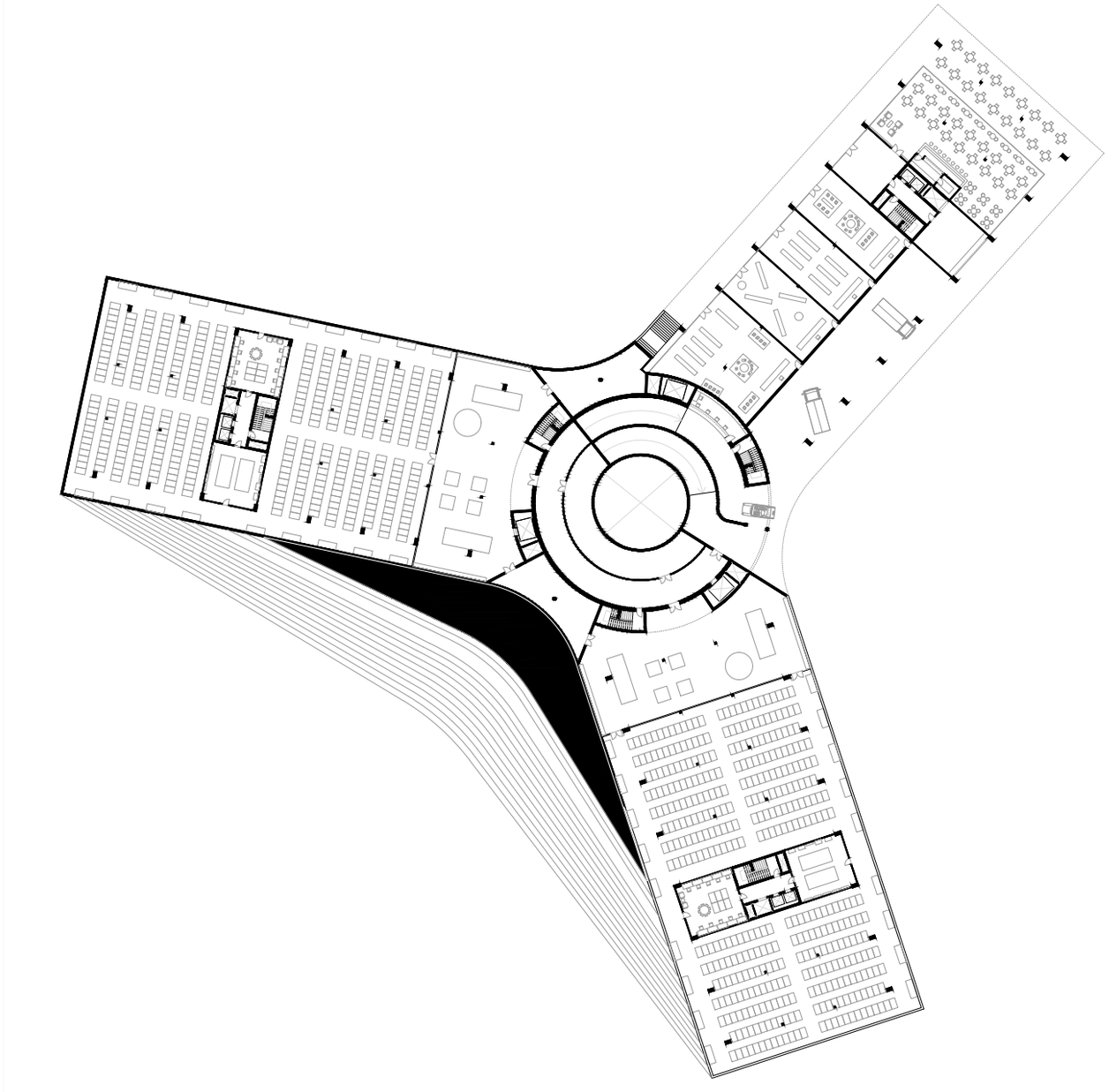


FLOOR -1
PARKING



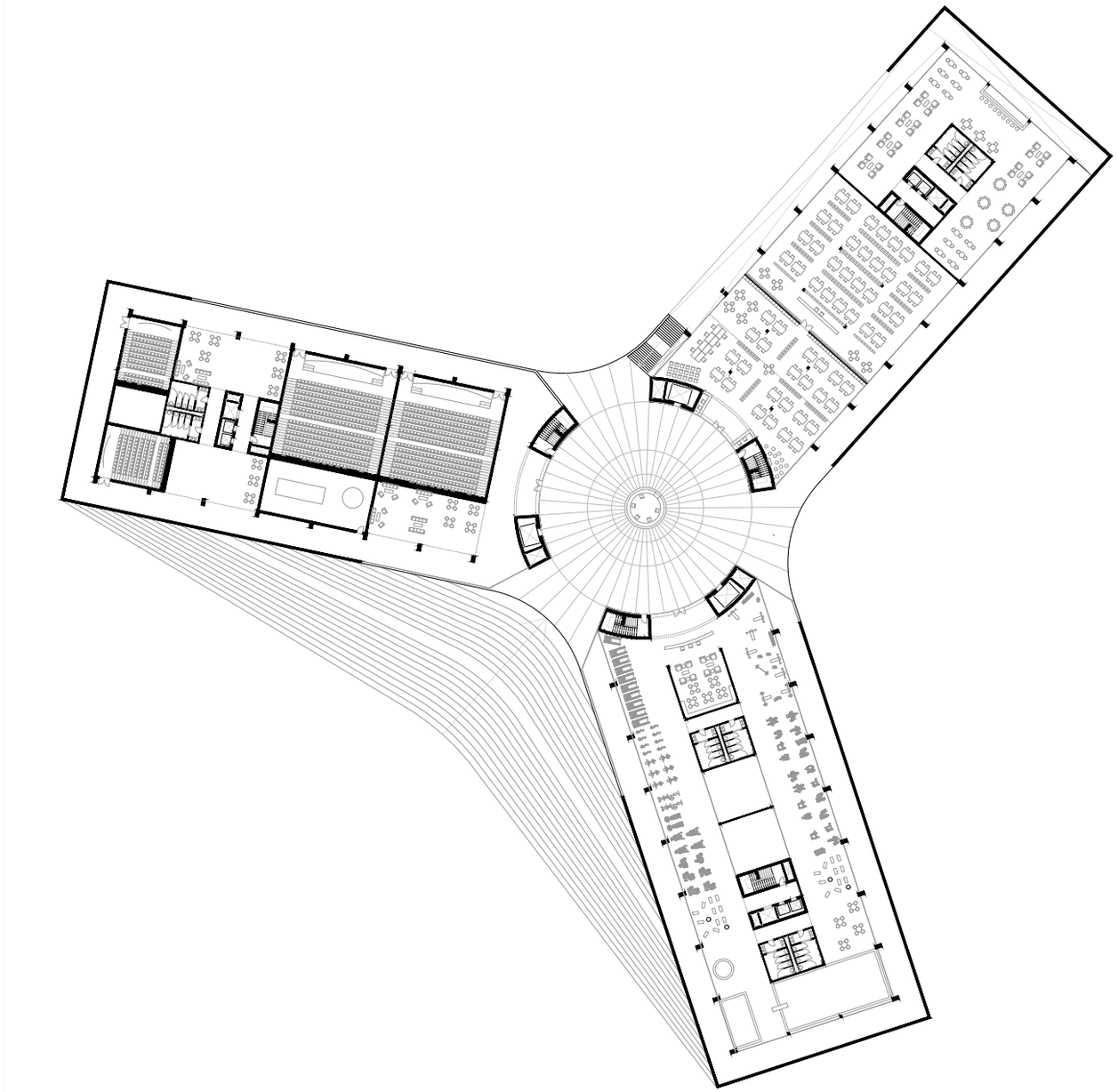
FLOOR 0

DATA CENTRE
STORES
CAFE



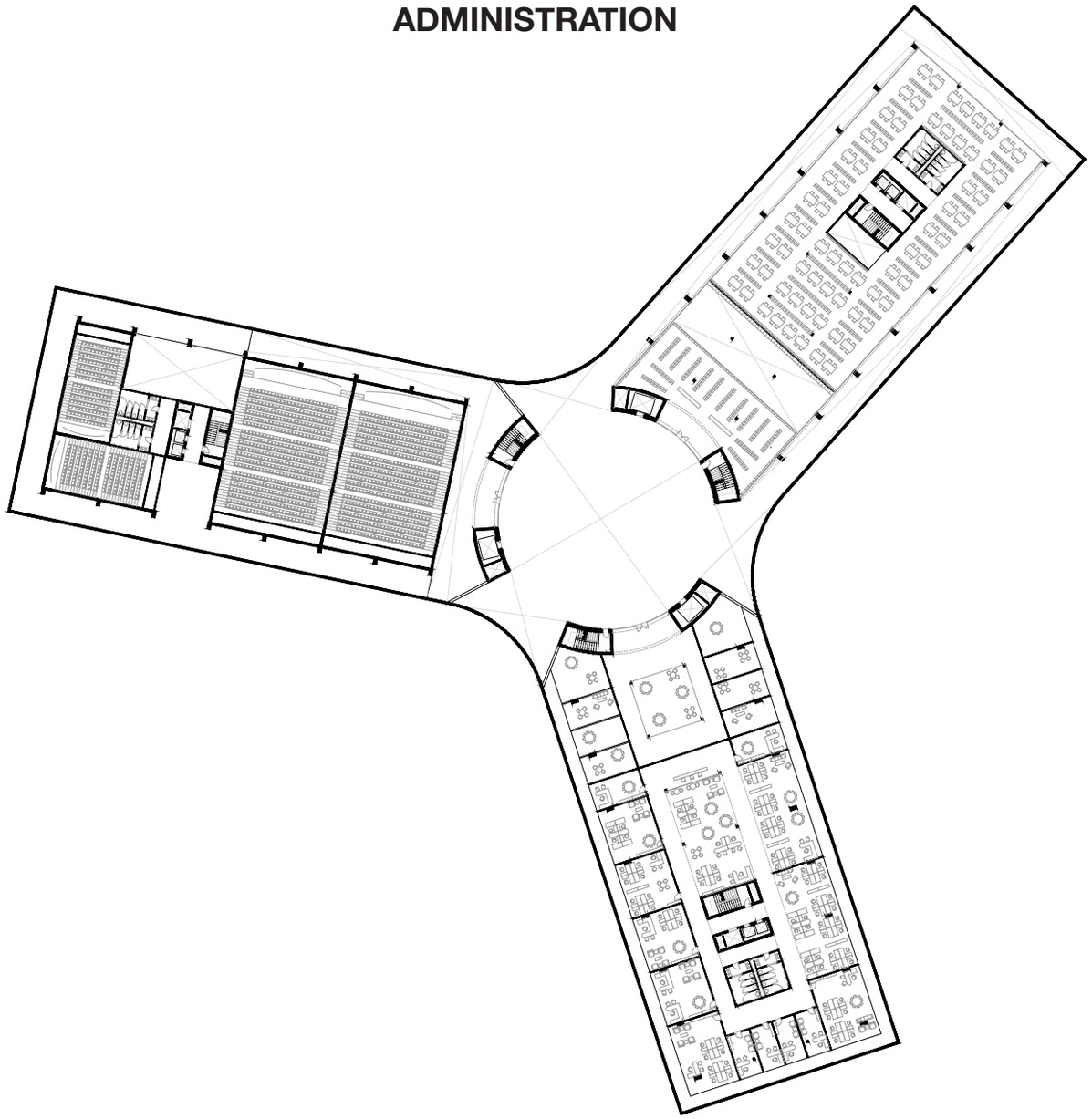
FLOOR 1

SQUARE (ENTRANCE)
CINEMA
LIBRARY + ARCHIVE
RESTAURANT
SPORTS CENTRE



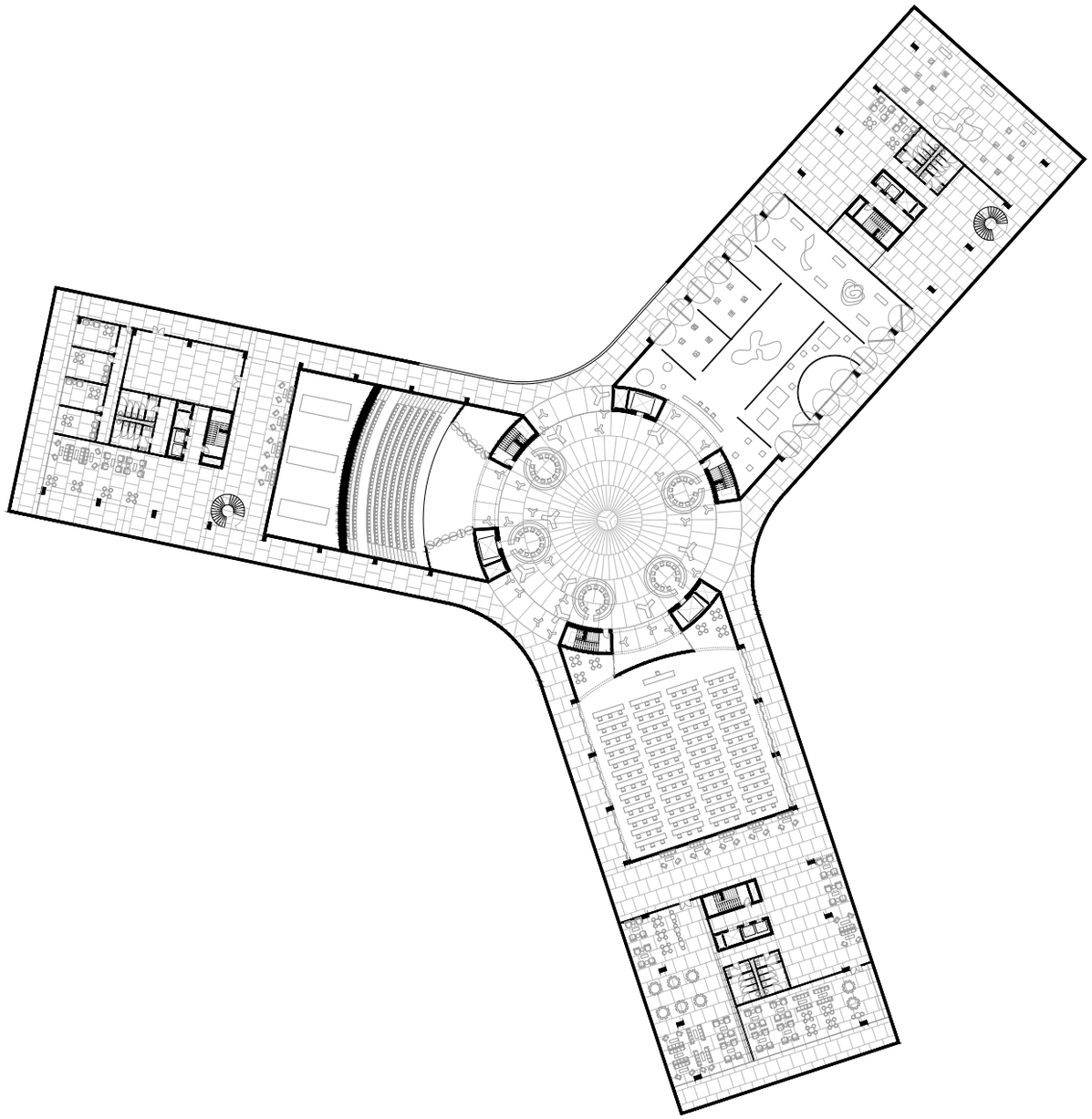
FLOOR 2

SQUARE (ENTRANCE)
CINEMA
BOOK STORE
ARCHIVE
PUBLIC SERVICES
ADMINISTRATION



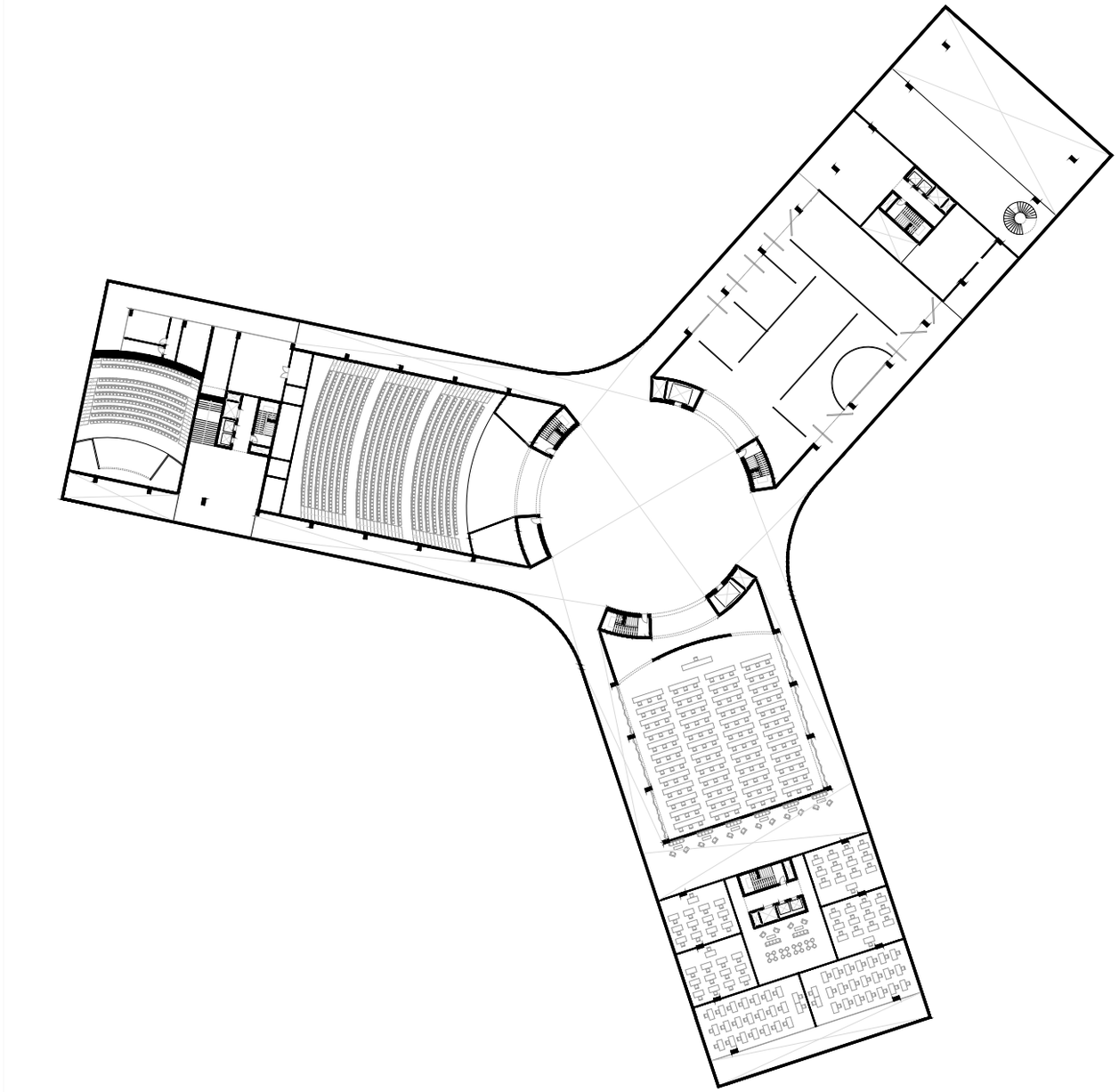
FLOOR 3

TRADING HALL/FOYER
MAIN AUDUTORIUM
MUSEUM
MAIN LECTURE HALL
LOUNGE+VIP



FLOOR 4

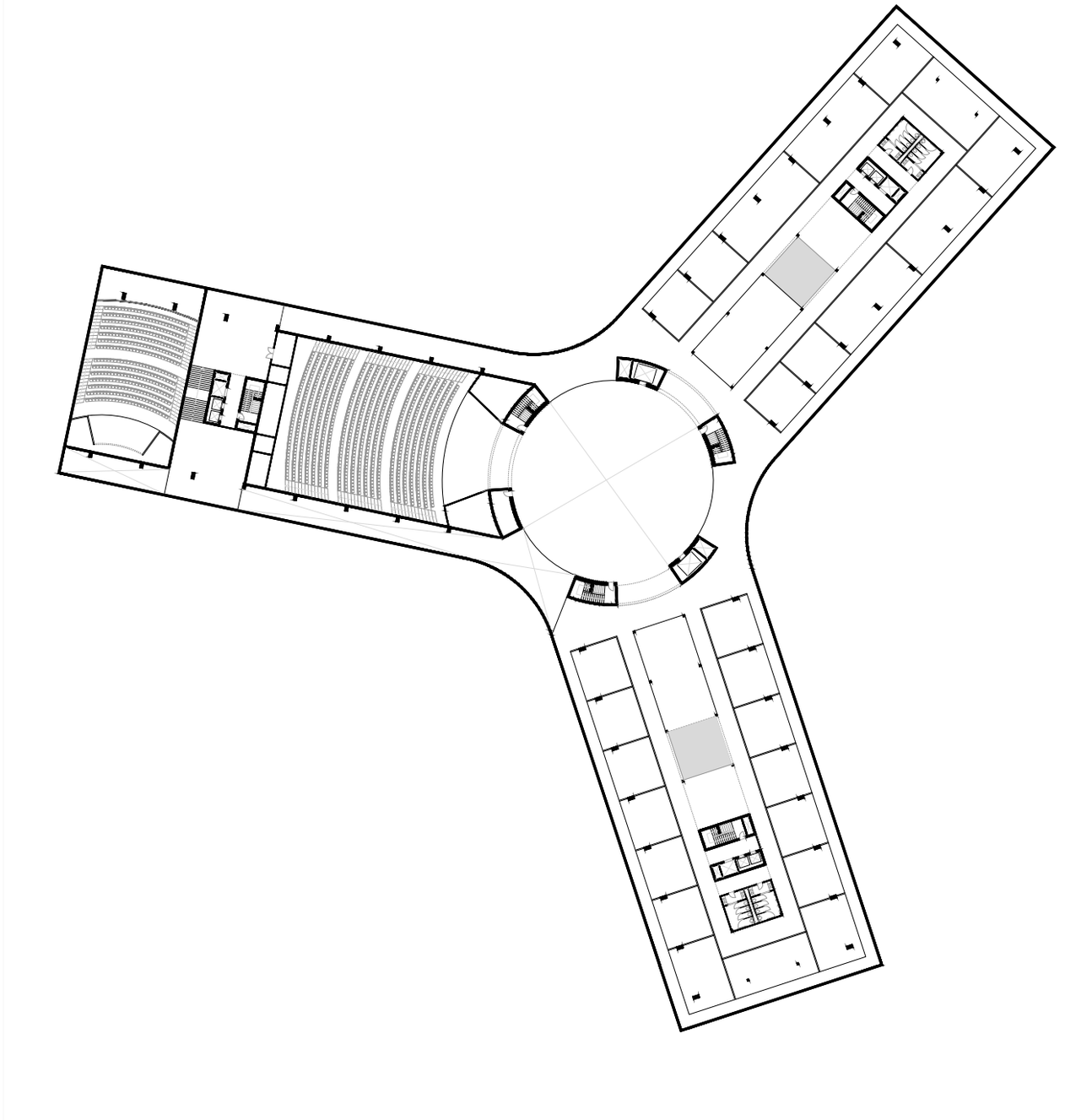
AUDITORIUMS
MUSEUM
LECTURE HALLS



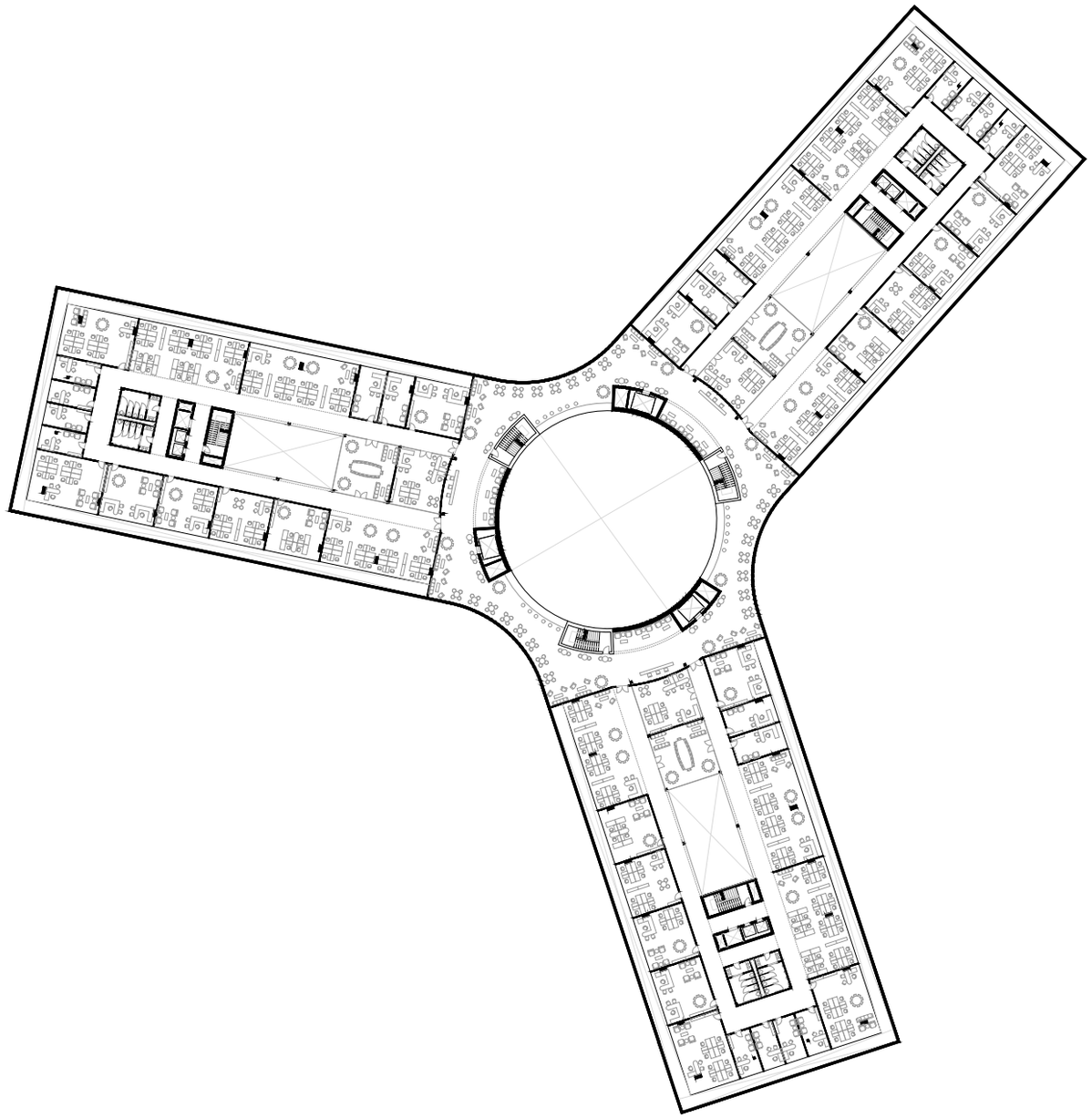
FLOOR 5

AUDITORIUMS

MAIN SE OFFICES + PARTNER COMPANIES



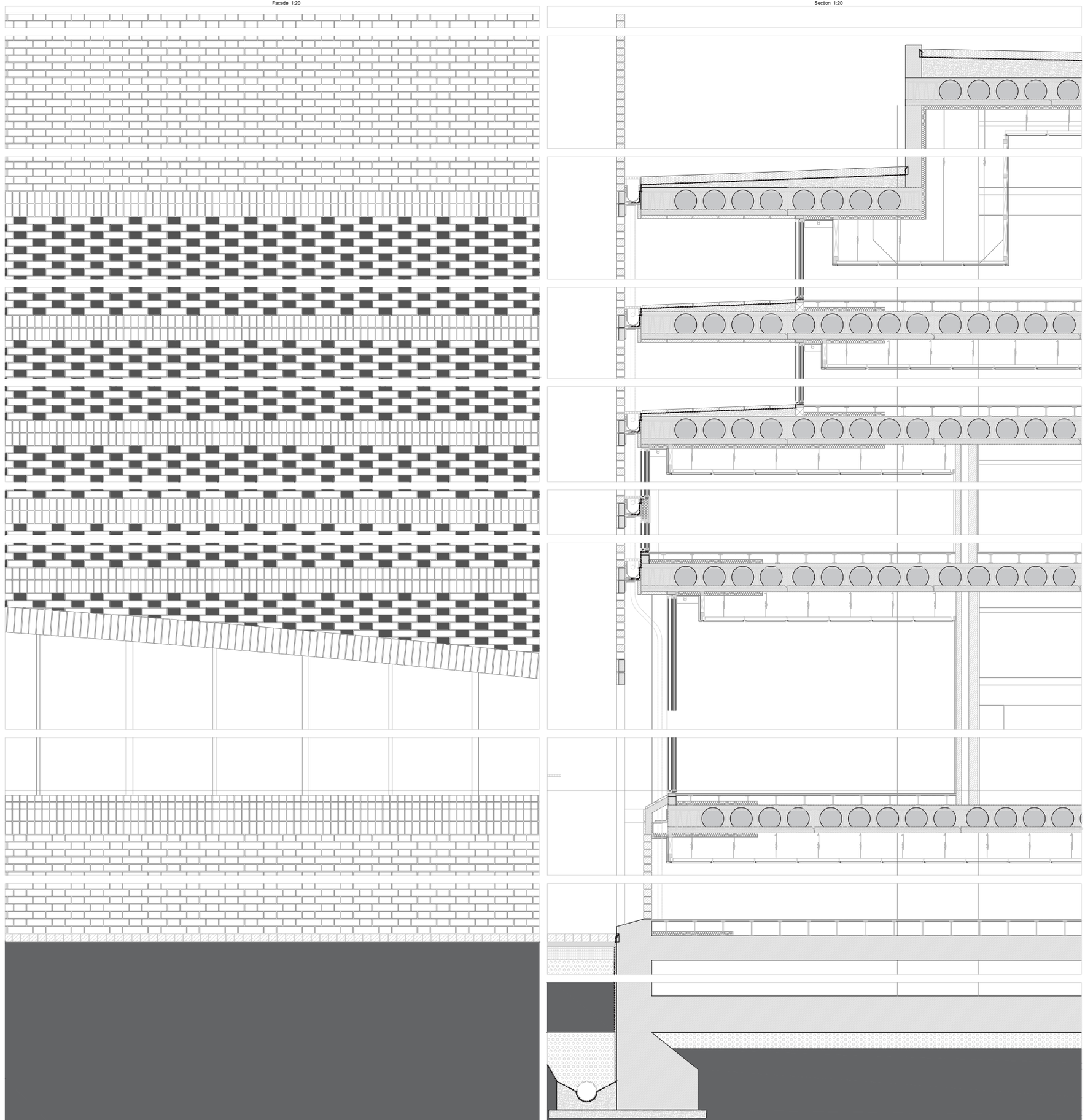
FLOORS 6-9
OFFICES



CONSTRUCTION

Facade 1:20

Section 1:20



Prefabricated brick facade pannels

Concrete sleed sloped 1.5 - 2%

Bitumen roll waterproofing

Brick tiles 320 mm

Rounded aluminium sheet for water drainage - Ø 150 mm

Brick tiles 40 mm

System of steel L profiles for facade fastening

Computer floor
with polished concrete tiles

Aluminium sliding door profile

40 x 100 mm wooden slat

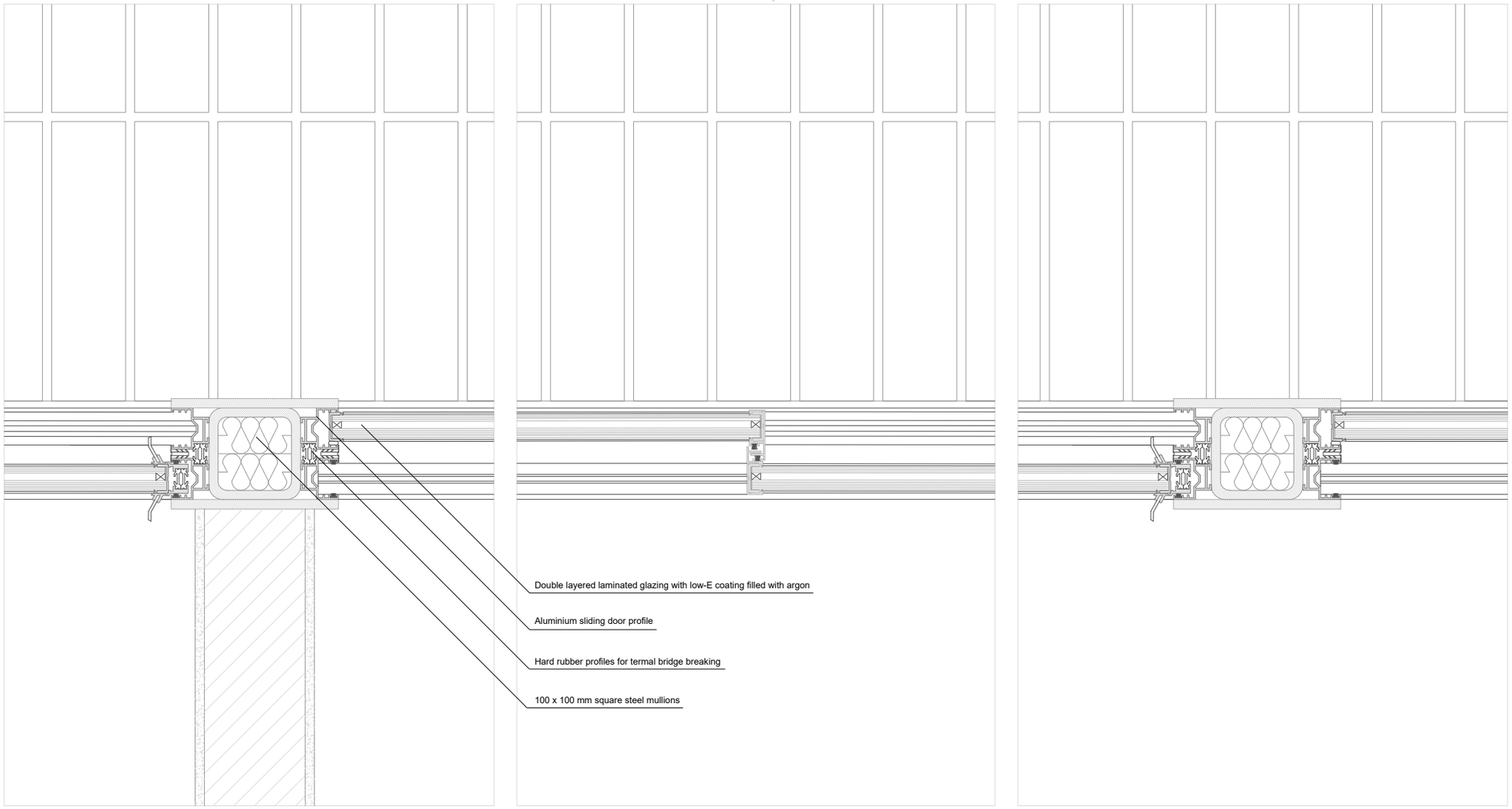
Boubble deck technology slab 340 mm

Recycled plastic balls filled with air Ø 270 mm

Aluminium sliding door profile

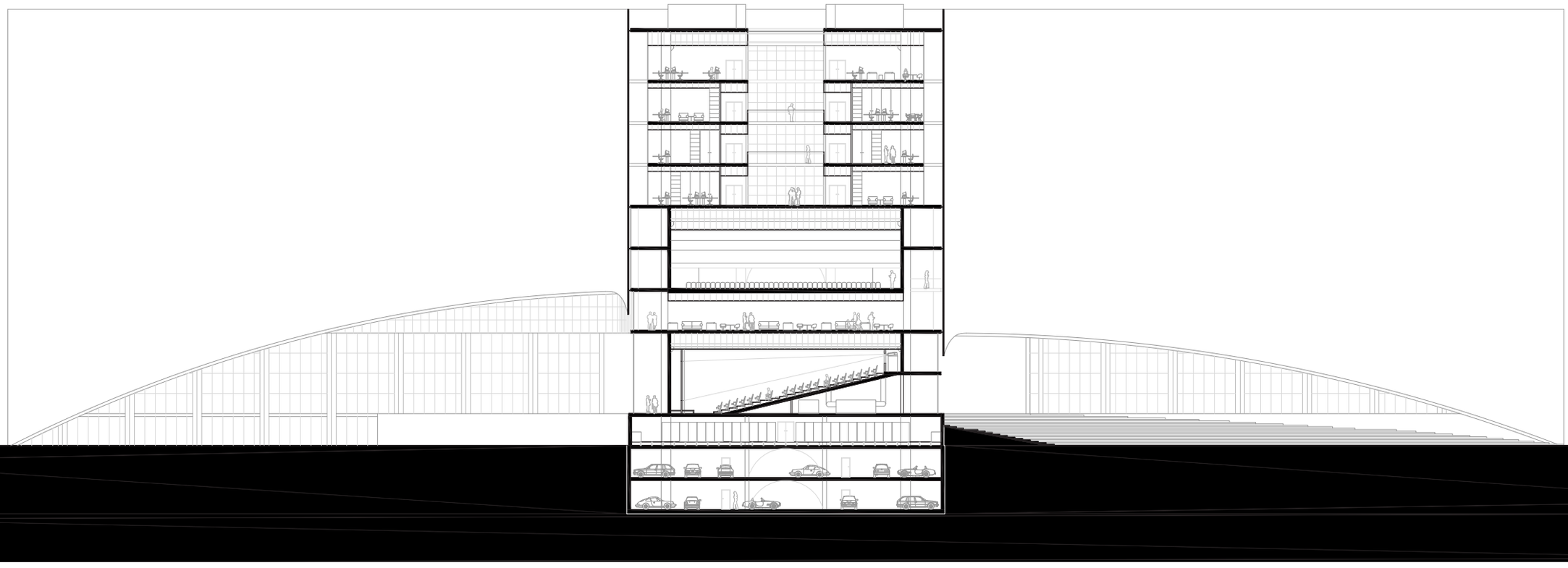
Facade light fixture

Thermal insulation 40 mm


Double layered laminated glazing with low-E coating filled with argon
Aluminium sliding door profile
Hard rubber profiles for termal bridge breaking
100 x 100 mm square steel mullions

STRUCTURE

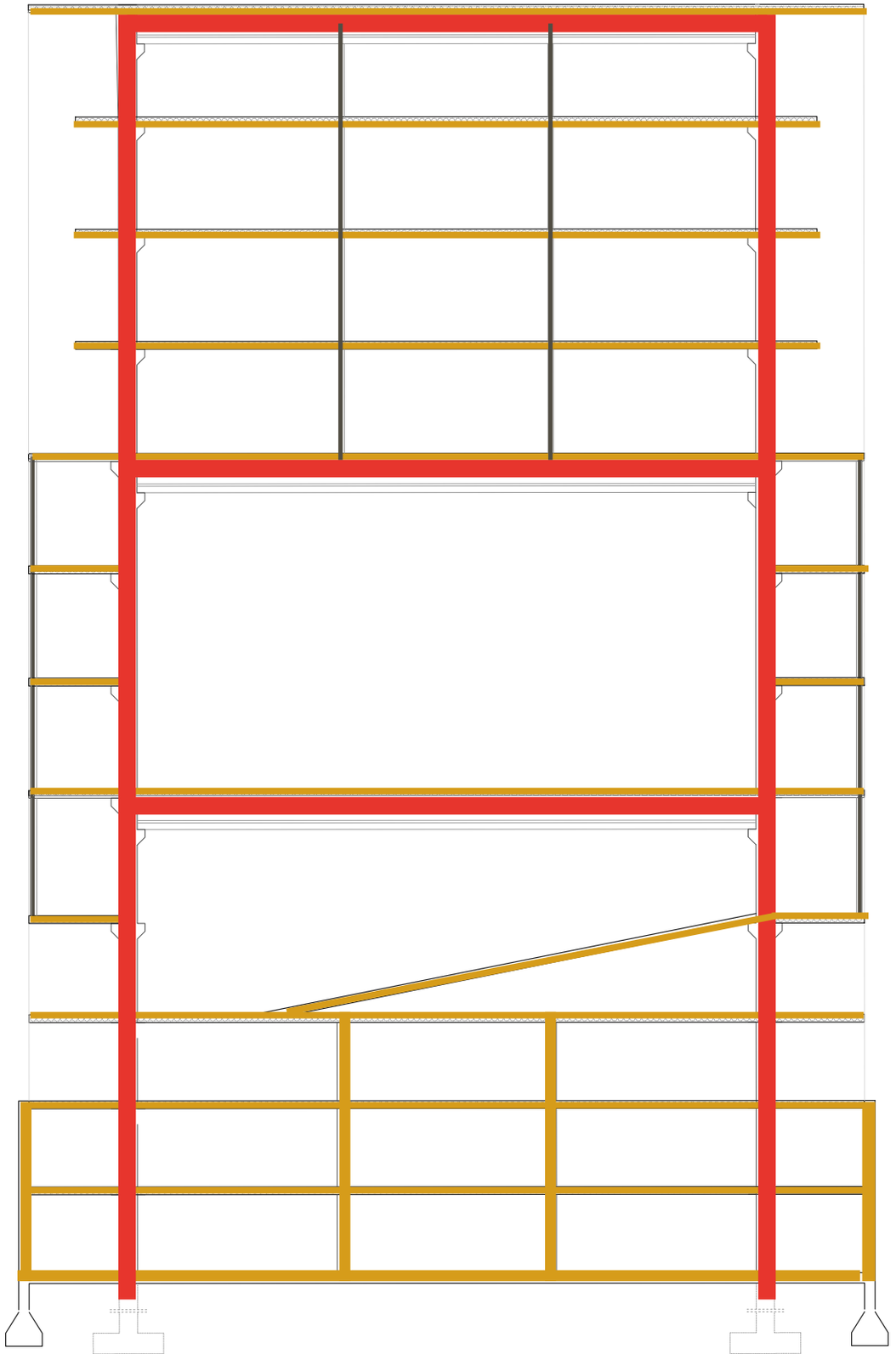
AA'



PREFABRICATED CONCRETE STRUCTURE

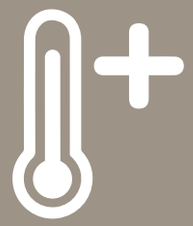
IN-SITU CONCRETE

TENSIONED METAL PROFILES



CLIMATE

TEMPERATURE



TROPICAL CLIMATE

SUMMER
22º-32º
WINTER
16º-26º

SUNSHINE



CONSTANTLY SUNNY

SUMMER
≈11 h. per day
WINTER
≈7 h. per day

PRECIPITATION



SEASONAL RAINFALLS (Jun. - Oct.)

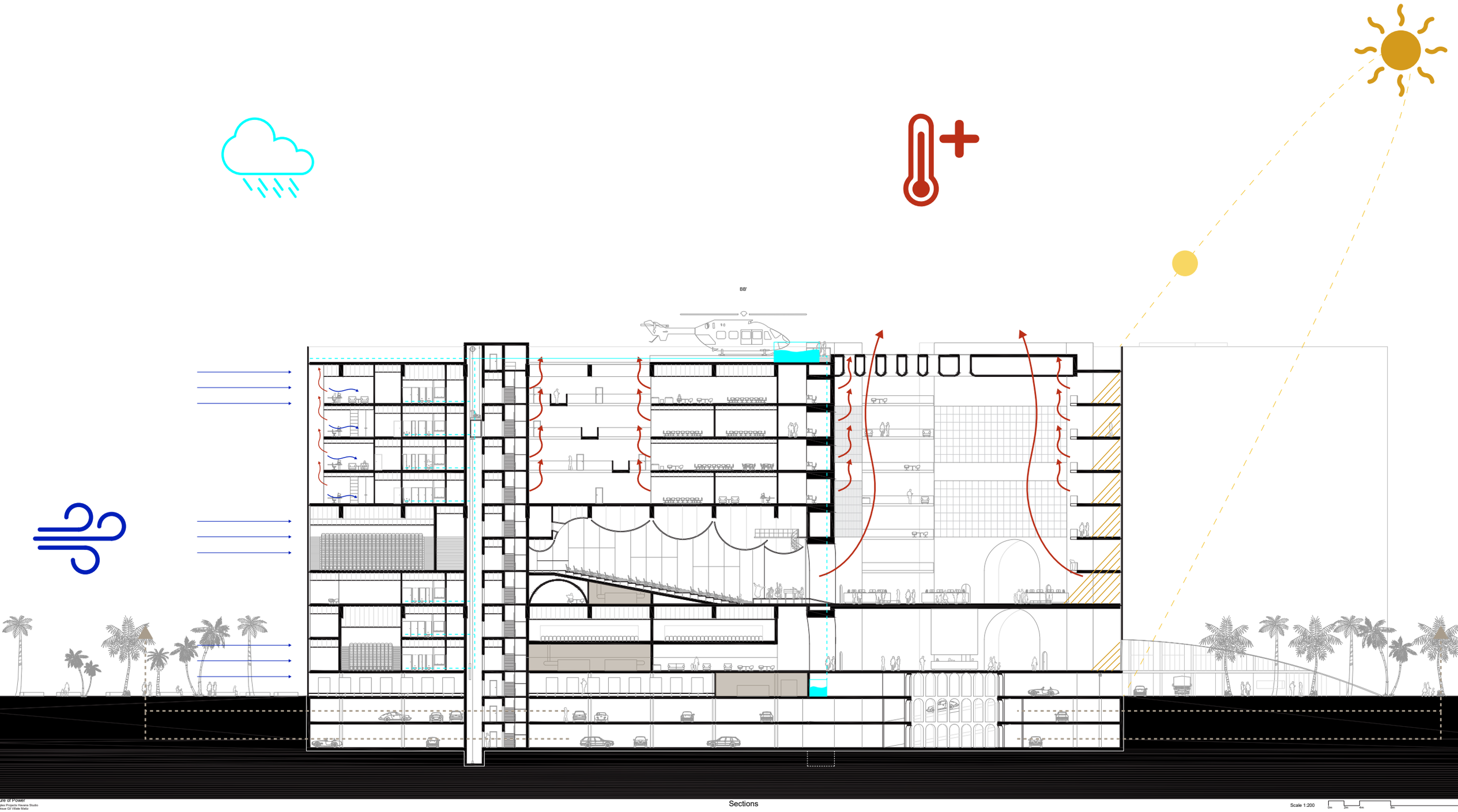
WETTEST MONTH
JUNE
DRIEST MONTH
MARCH

WIND



MODERATE SEA BREEZES

MAIN DIRECTION
NE
WINDIEST SEASON
WINTER



Sections

Scale 1:200





ARCHITECTURE OF POWER



P4

24 / 05 / 2017

Henrique Matiz

CP