

# PARLIAMENT OF THE UNITED TRANSBORDER FEDERATION

P5 PRESENTATION  
3<sup>RD</sup> OF JULY 2015, DELFT  
SEBASTIAAN BUITENHUIS



INTRO TO THE STUDIO  
RESEARCH  
SITE ANALYSIS  
PROCESS  
DESIGN

“...The US-Mexican border, like most borders, was established by violence – and its architecture is the architecture of violence. ”

*Noam Chomsky*  
2005.



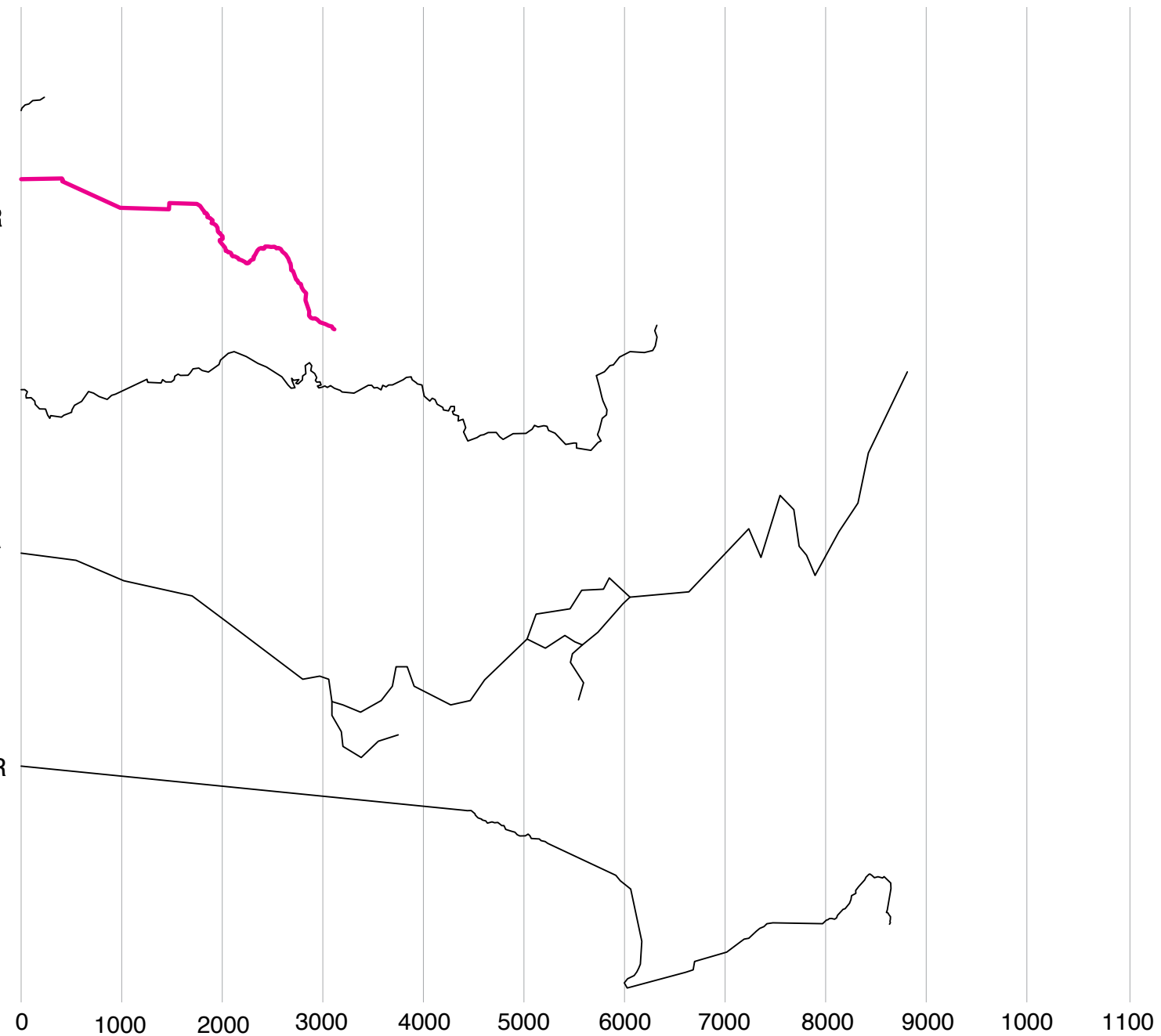
KOREA DMZ  
250 KM

USA - MEXICO BORDER  
3110 KM

EU- RUSSIA BORDER  
6400 KM

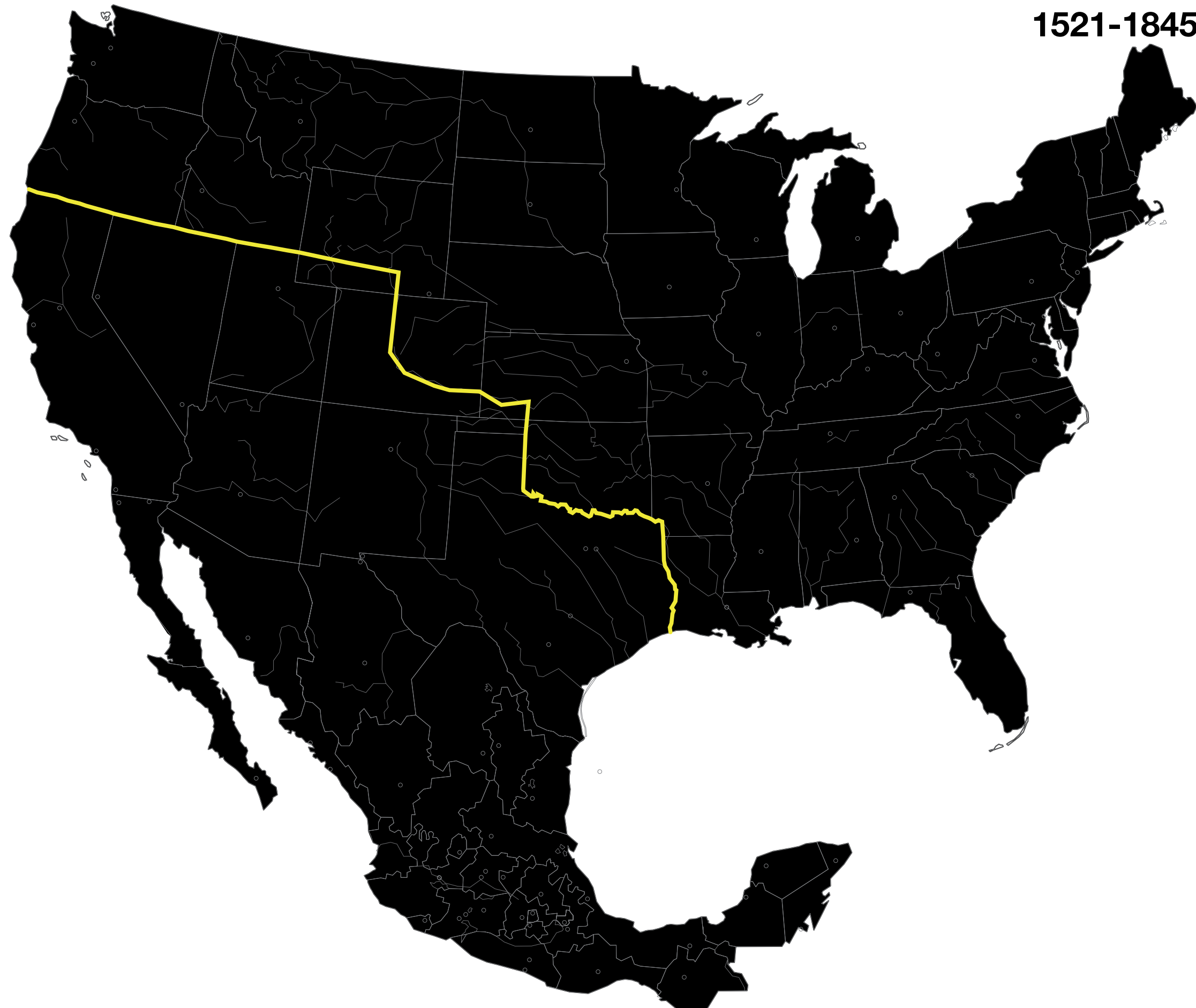
GREAT WALL OF CHINA  
8850 KM

USA - CANADA BORDER  
8891 KM



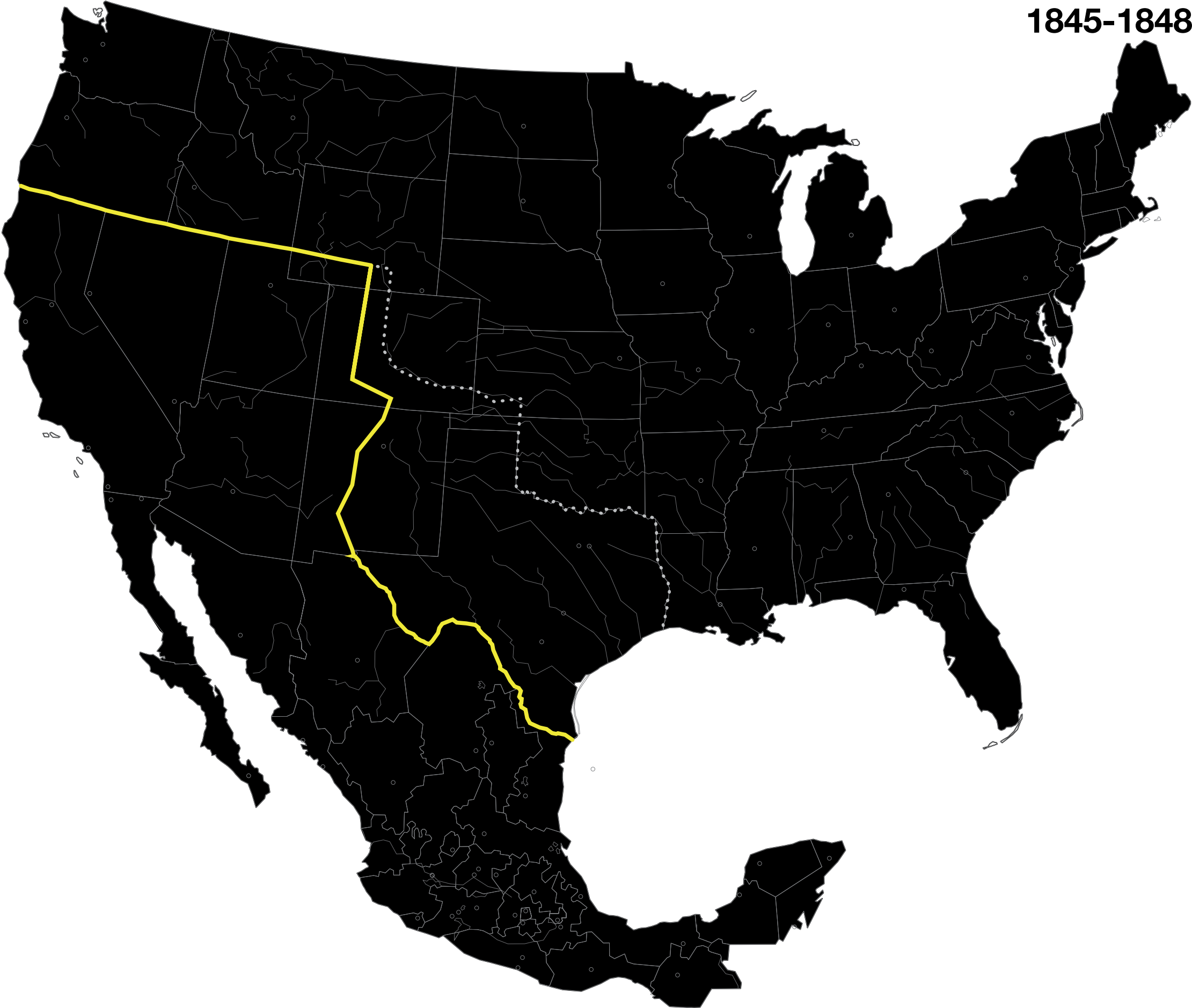
## BORDERS AROUND THE WORLD

**1521-1845**



**FIRST BORDER BETWEEN MEXICO AND THE STATES**

1845-1848



BORDER AFTER ANNEXATION OF TEXAS

1848-1853

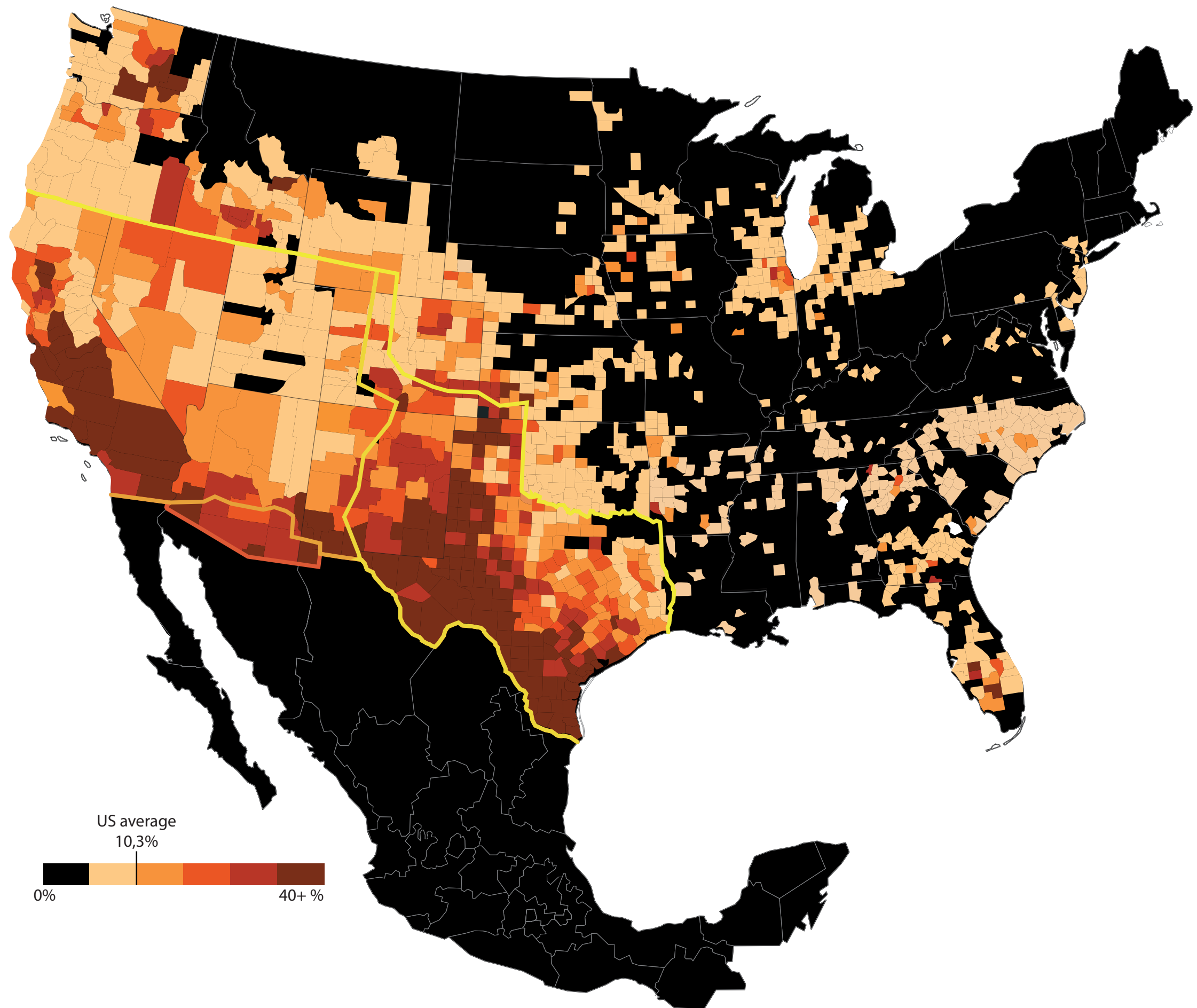


BORDER AFTER MEXICAN - AMERICAN WAR

**1853-NOW**

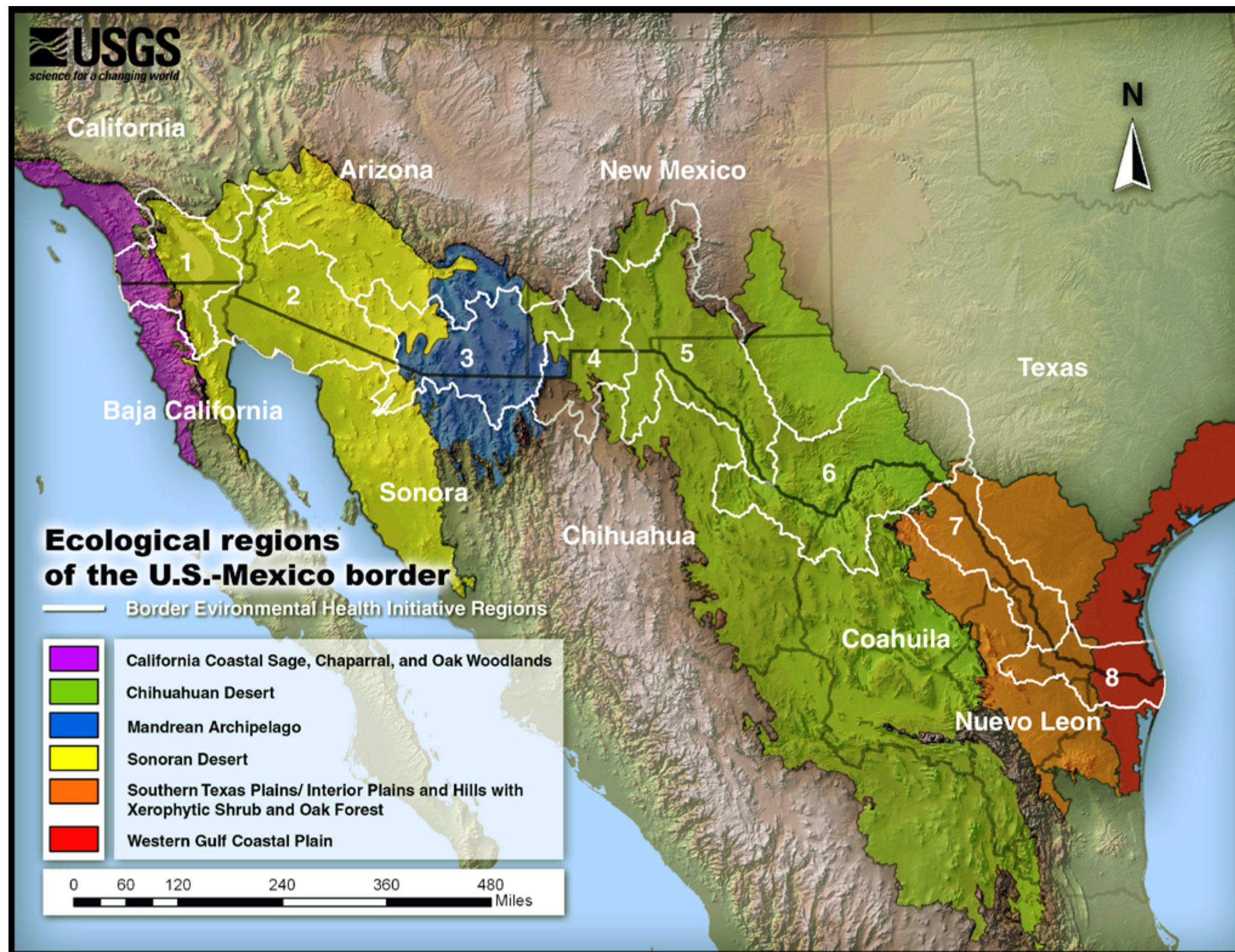


**THE BORDER AFTER THE GADSDEN PURCHASE**



**MEXICAN ORIGIN PER COUNTY IN PERCENTAGES**

SOURCE: US CENSUS BUREAU



DEFINITION OF BORDER ECOREGIONS



0 100 200 km

## CROSS BORDER ECOREGIONS

TEAM 1

Ana Lisonek landscape  
Elena Balzarini social  
Luca de Stefano typology

TEAM 2

Arjan van Toorenborg landscape  
Xijie Ma social  
Futura Falco typology

TEAM 3

Jordy Vos landscape  
Marco Moretto social  
Sylvia Dorn typology

TEAM 4

Rei Sawaki landscape  
Sebastiaan Buitenhuis social  
Nicki van Loon typology

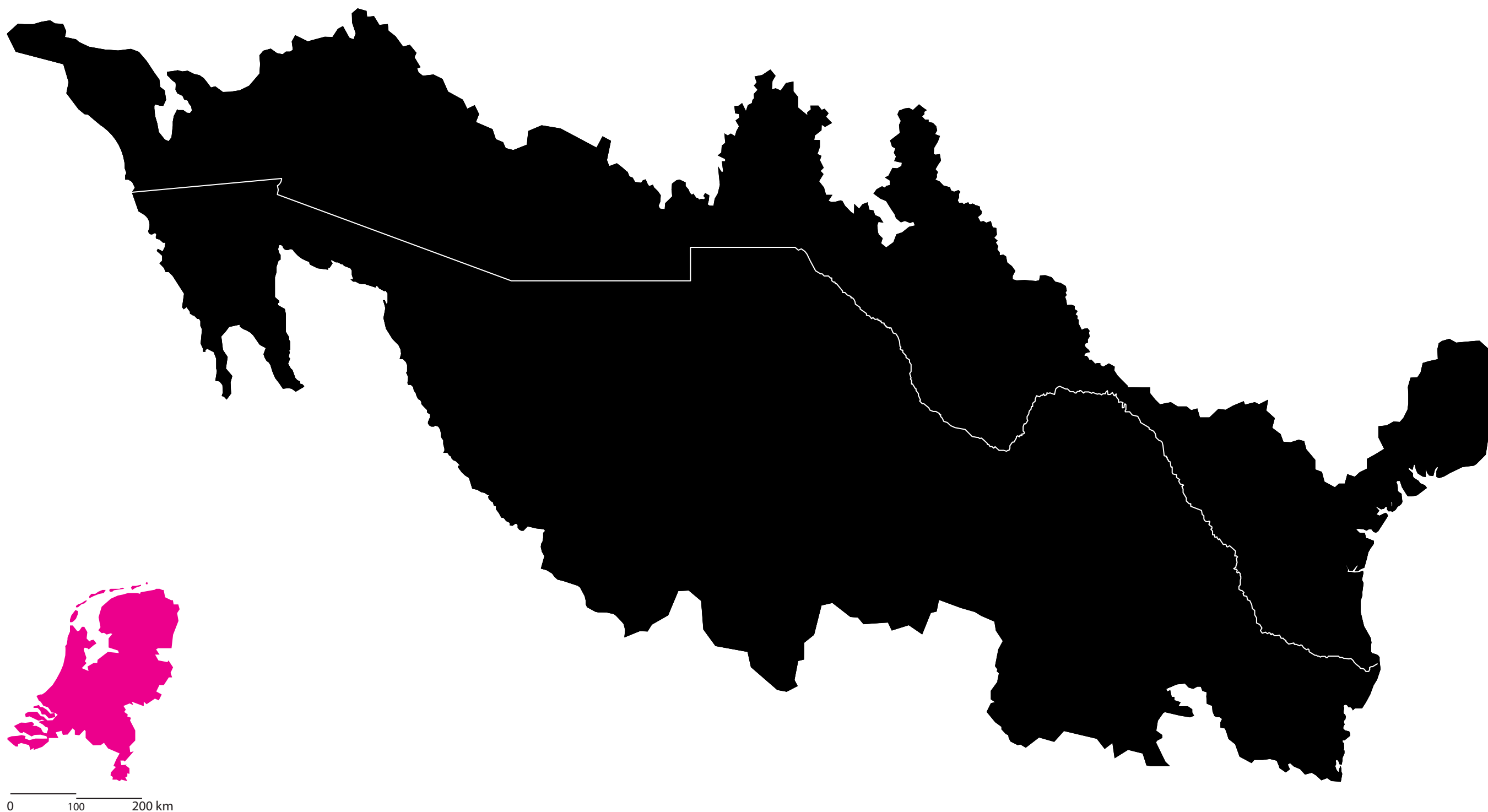
TEAM 5

Niek van der Zwaag landscape  
Thomas Pons social  
Niels Mulder typology

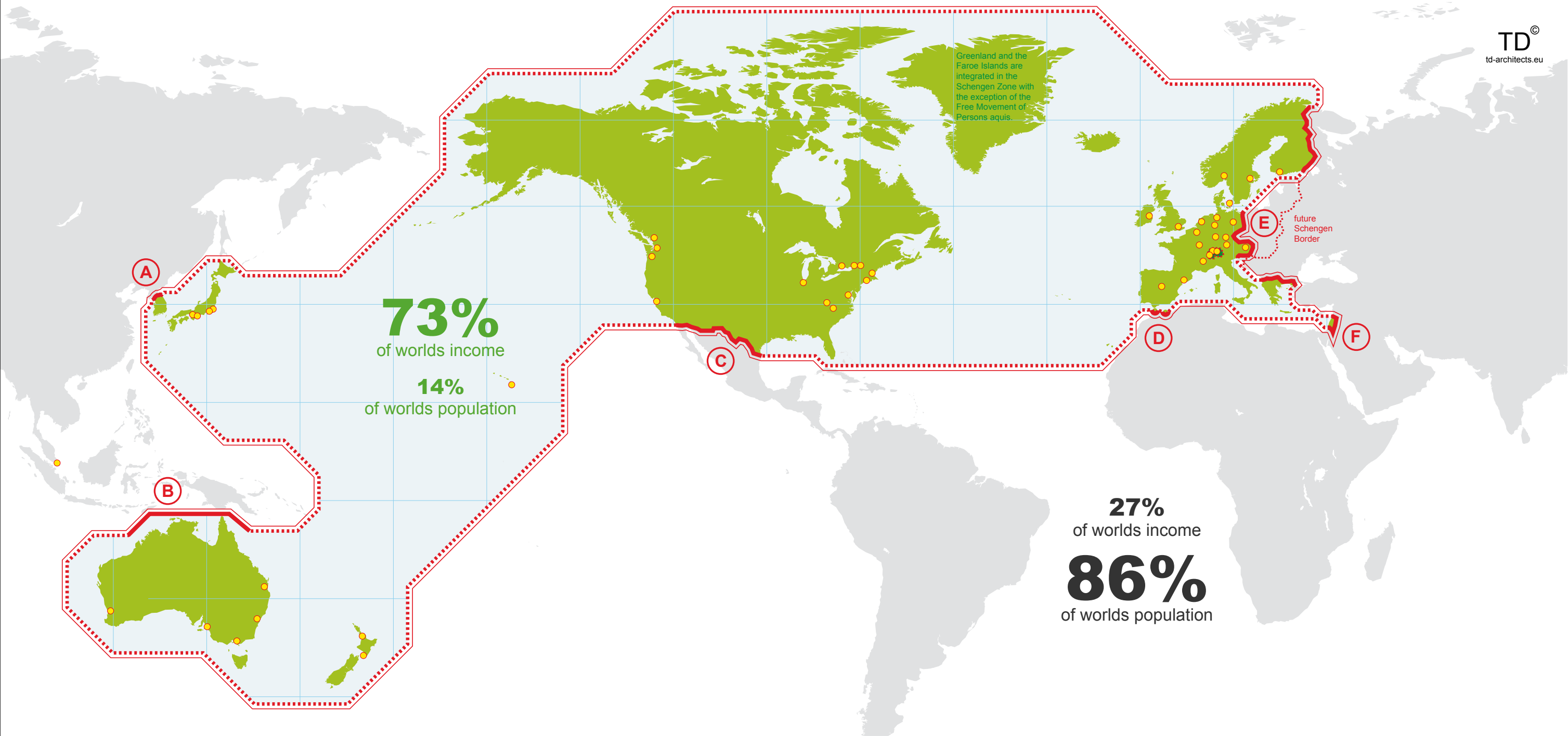


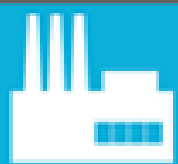
0 100 200 km

THE TEAMS



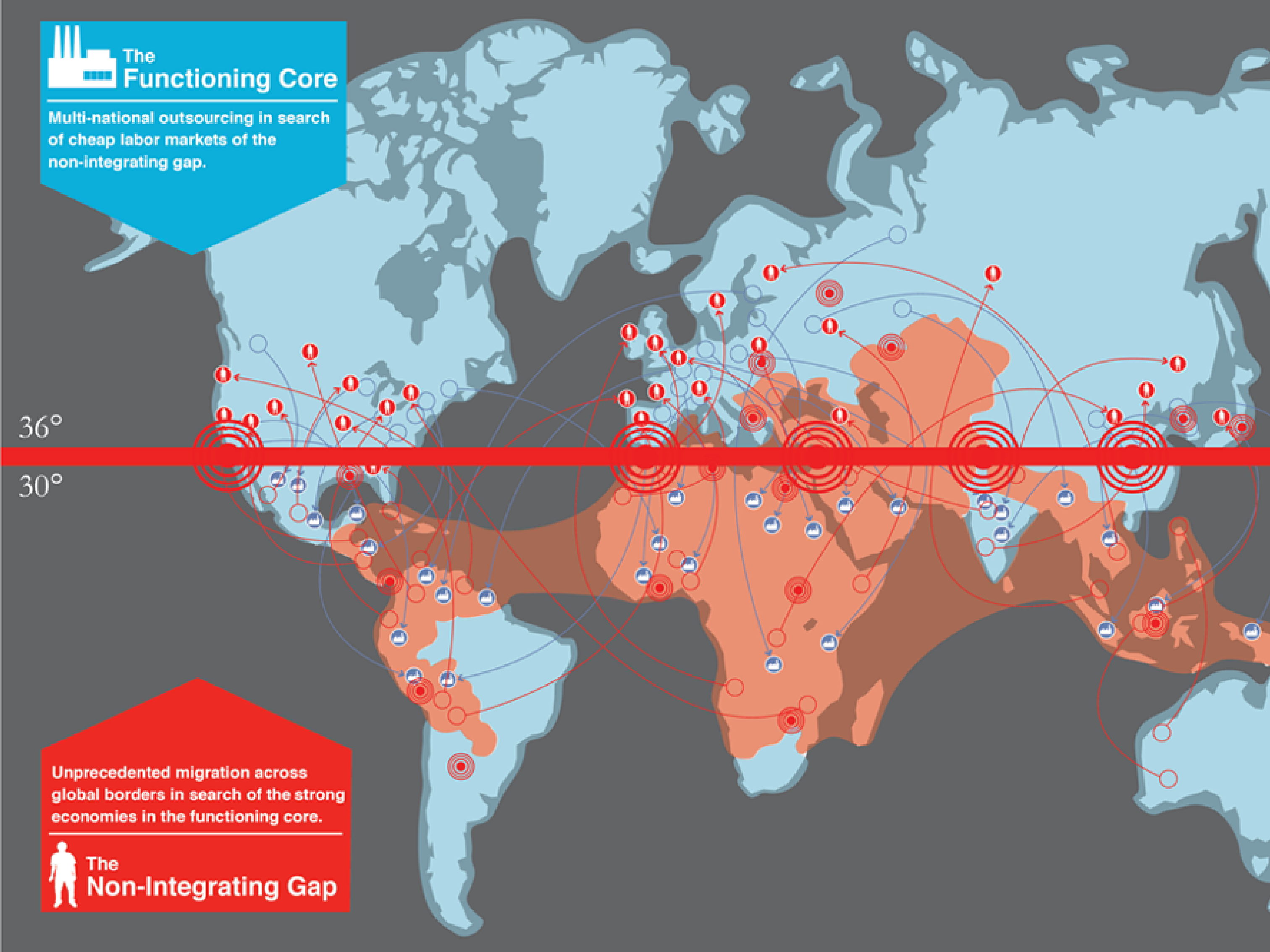
# Walled World





## The Functioning Core

Multi-national outsourcing in search of cheap labor markets of the non-integrating gap.



Unprecedented migration across global borders in search of the strong economies in the functioning core.



## The Non-Integrating Gap

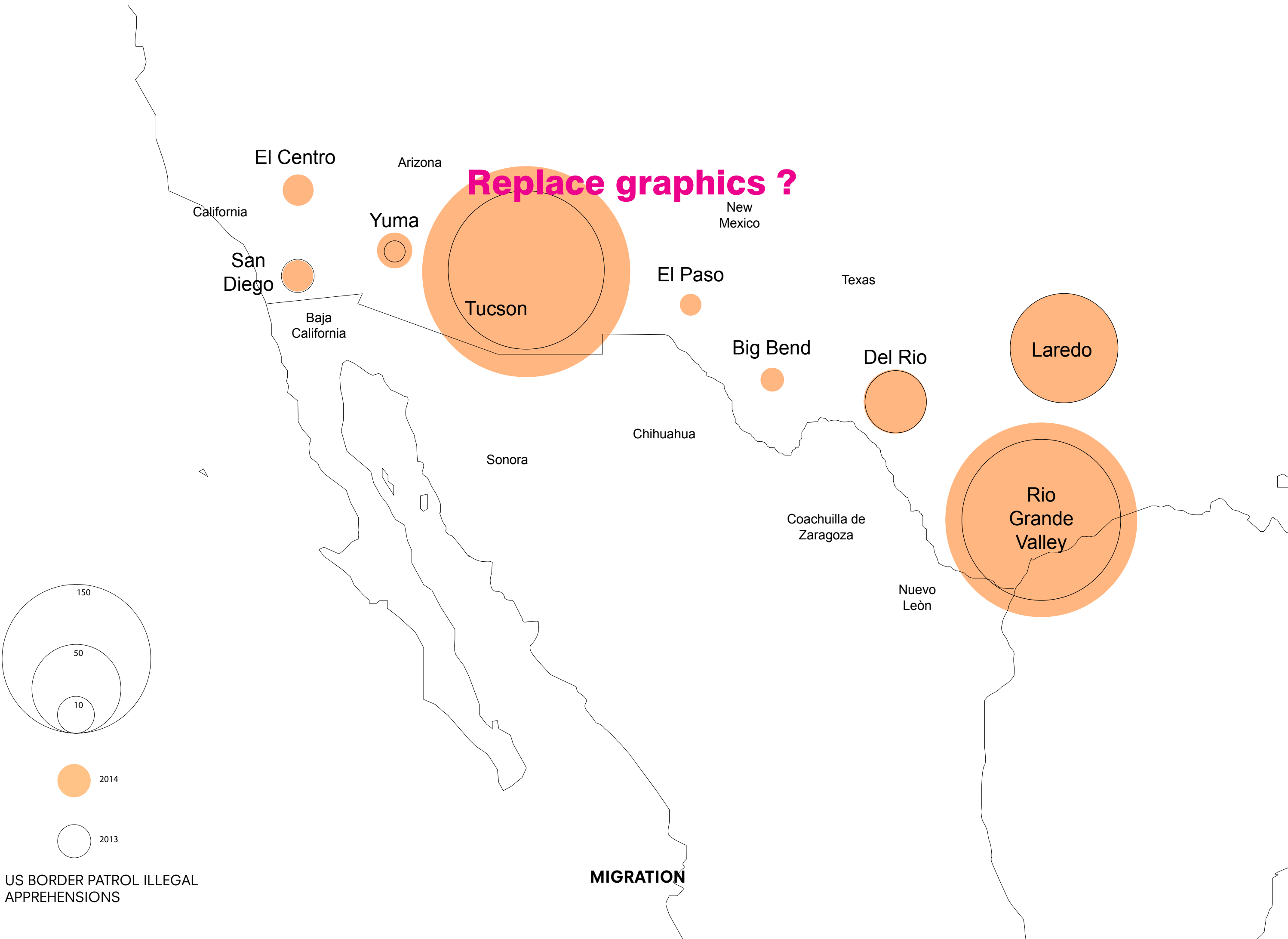


THE BORDER ATTRACTS

Replace picture



AND DIVIDES



**trip:**  
**people we met**  
**Teddy**  
**Roland (border alliance)**  
**crossing the border**

US-MEXICO  
BORDER  
MAYORS  
ASSOCIATION



BORDER  
GOVERNORS  
CONFERENCE

US-MEXICO-  
BORDER HEALTH  
ORGANIZATION



BORDER  
ENVIRONMENT  
COOPERATION  
COMMISSION

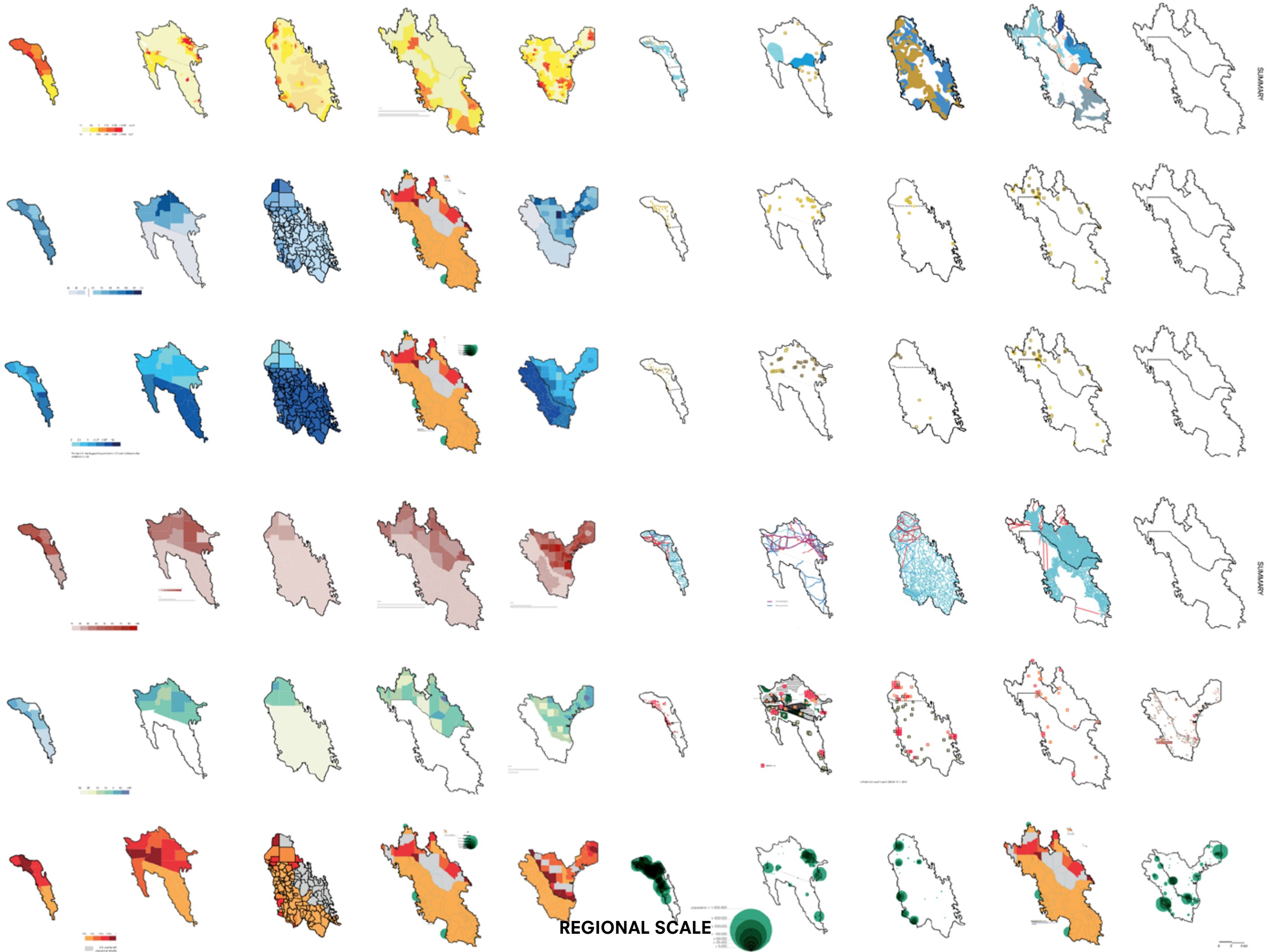


US-MEXICO-  
PHILANTHROPY  
PARTNERSHIP

MYRIAD OF INACCESSIBLE ORGANIZATIONS

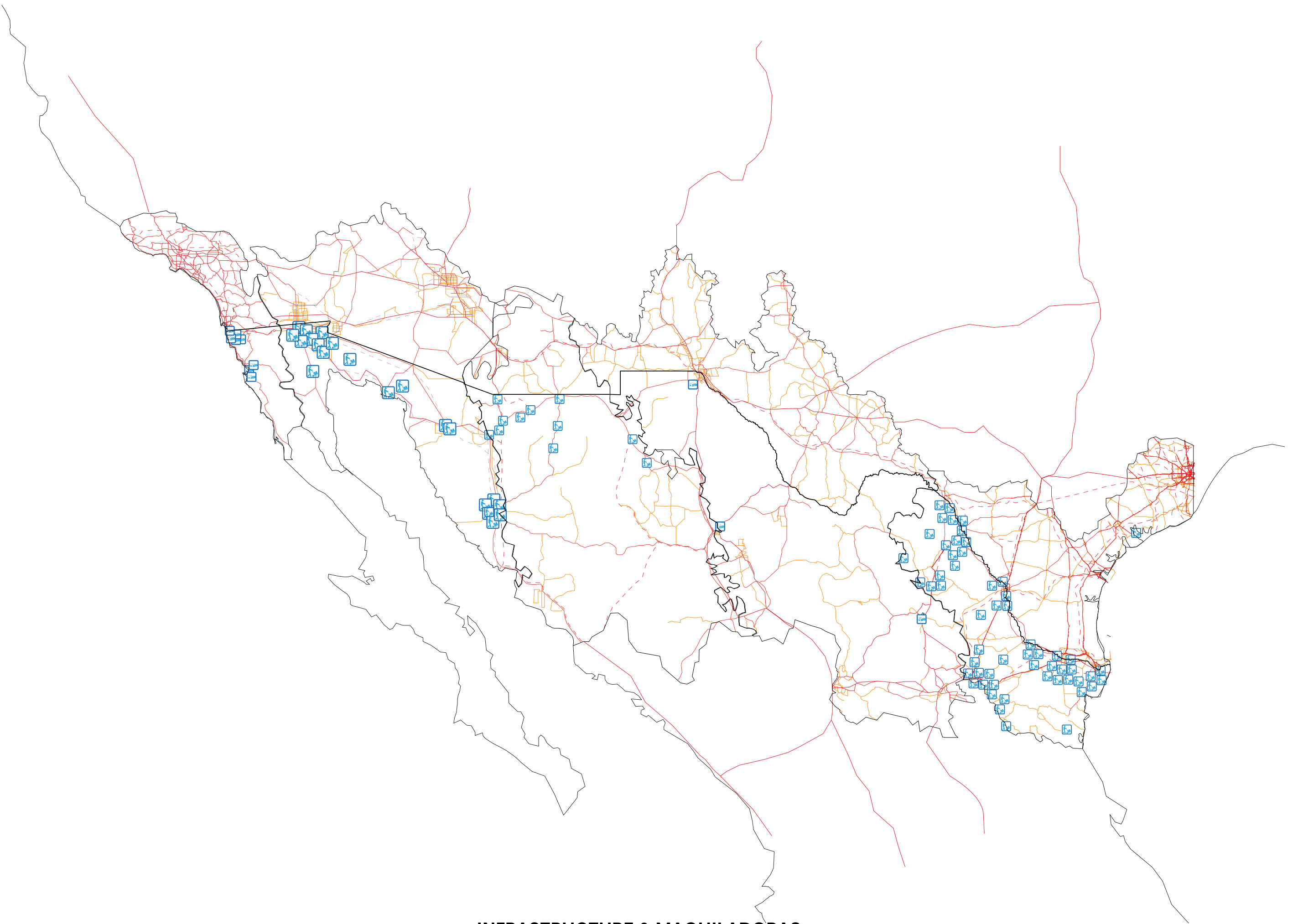


**THE ATLAS**

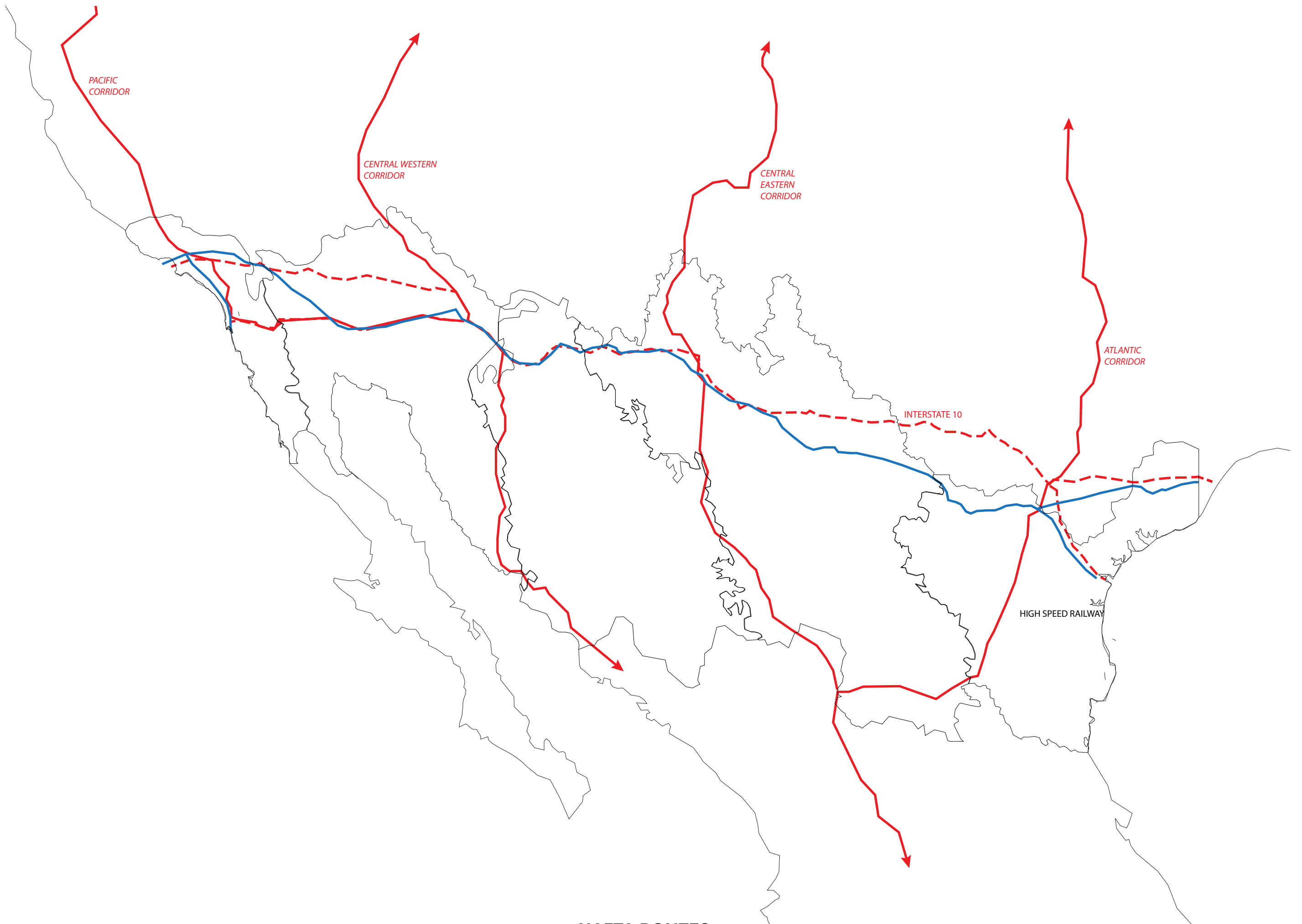


SUMMARY

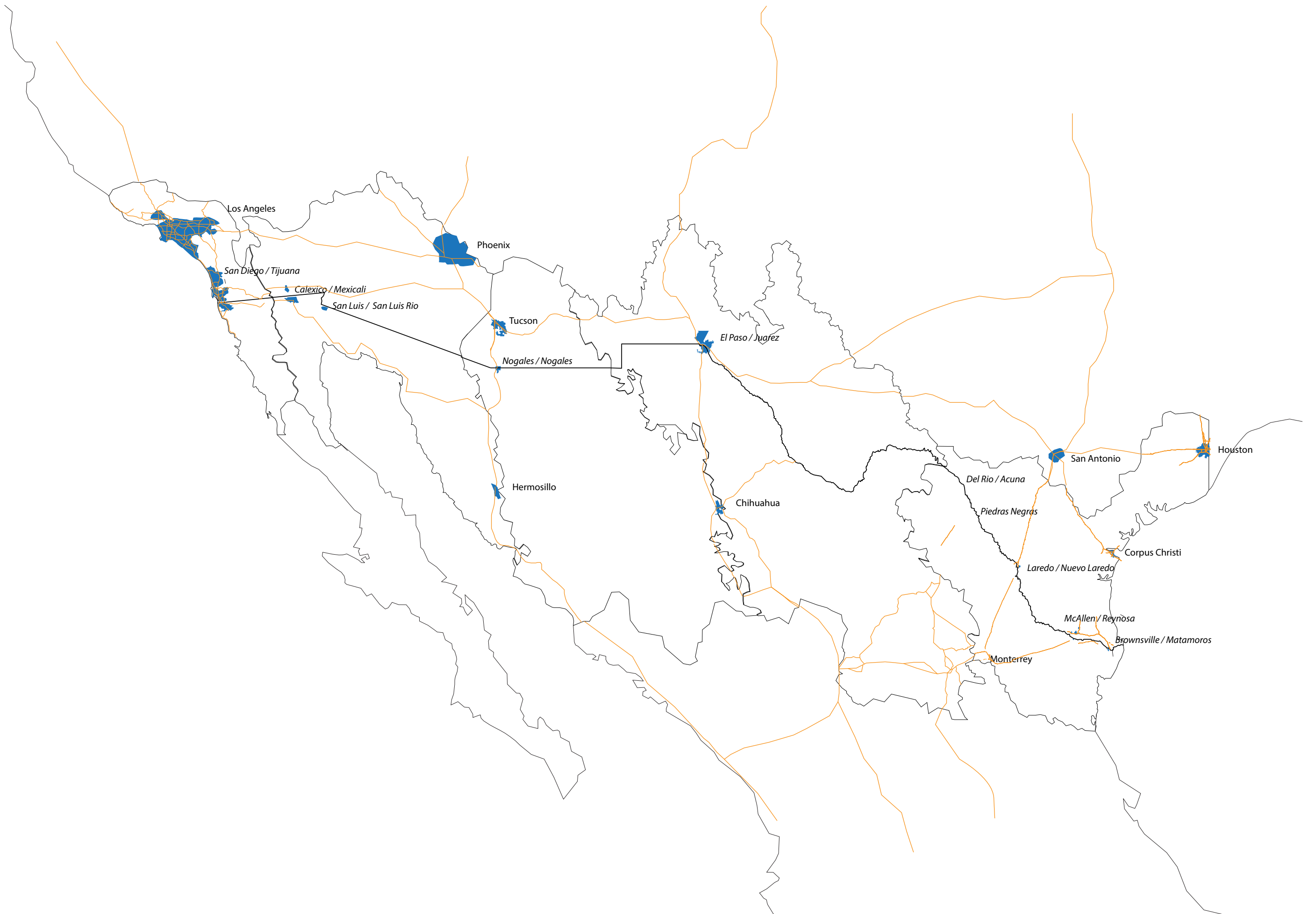
SUMMARY



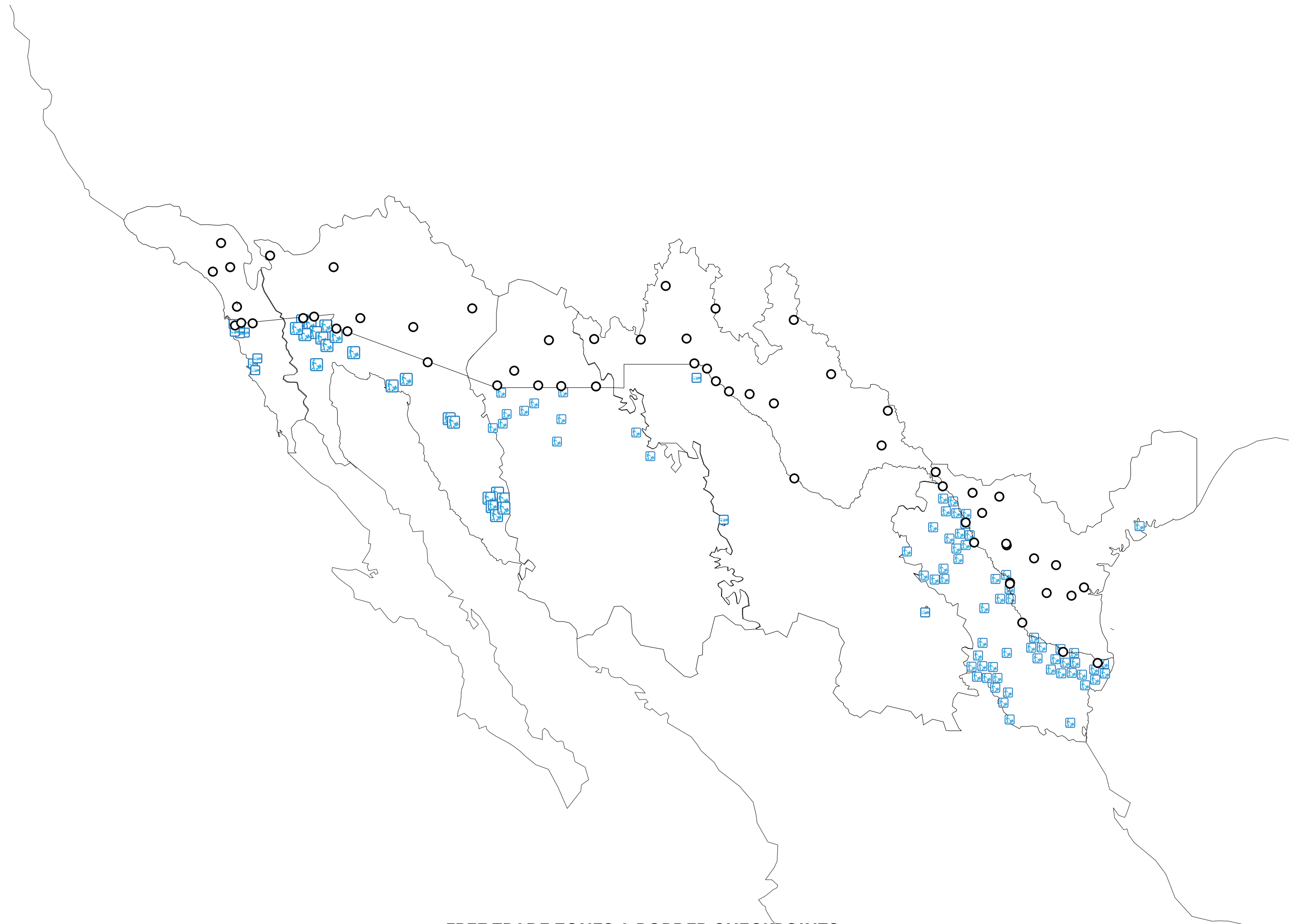
**INFRASTRUCTURE & MAQUILADORAS**



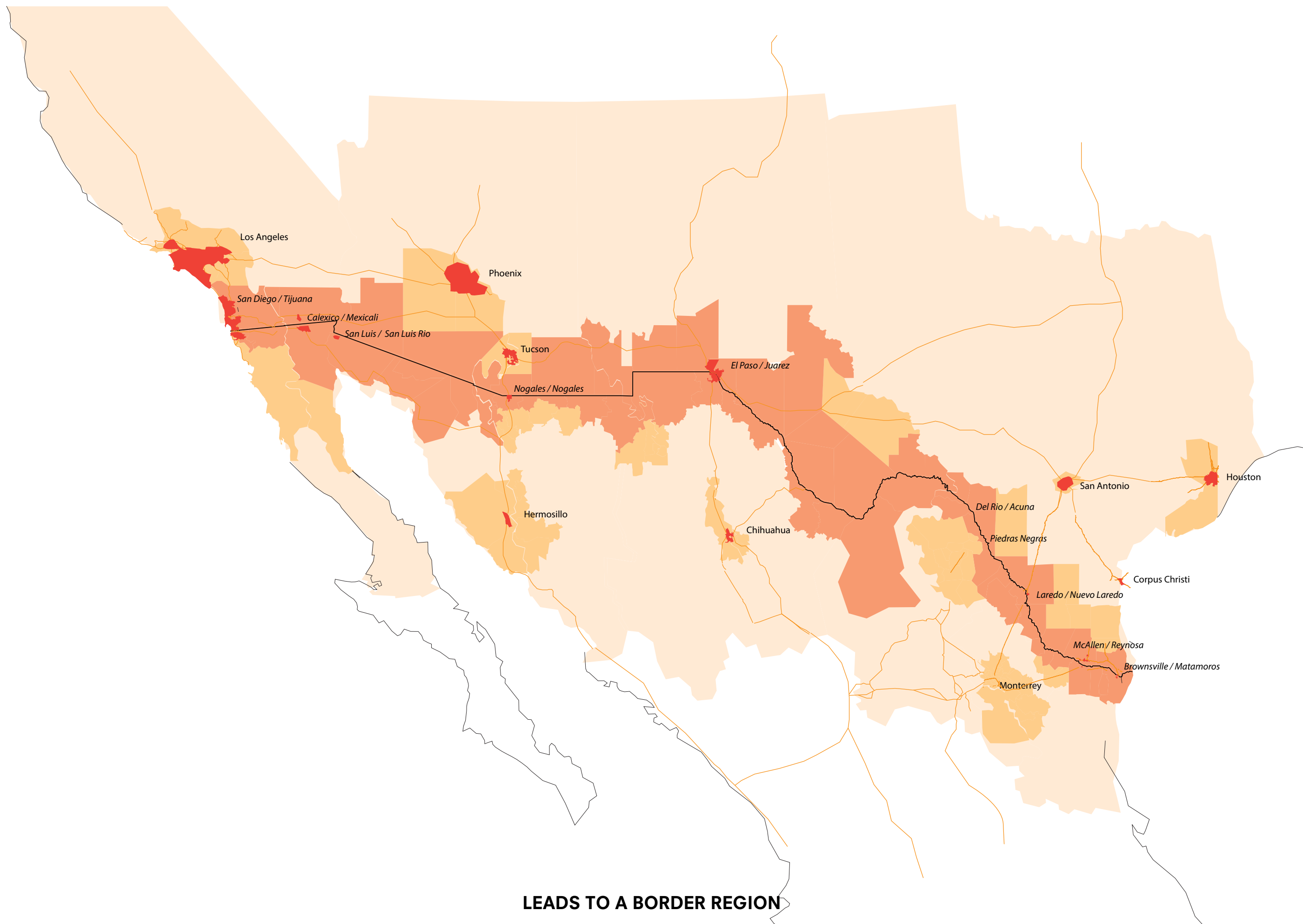
NAFTA ROUTES

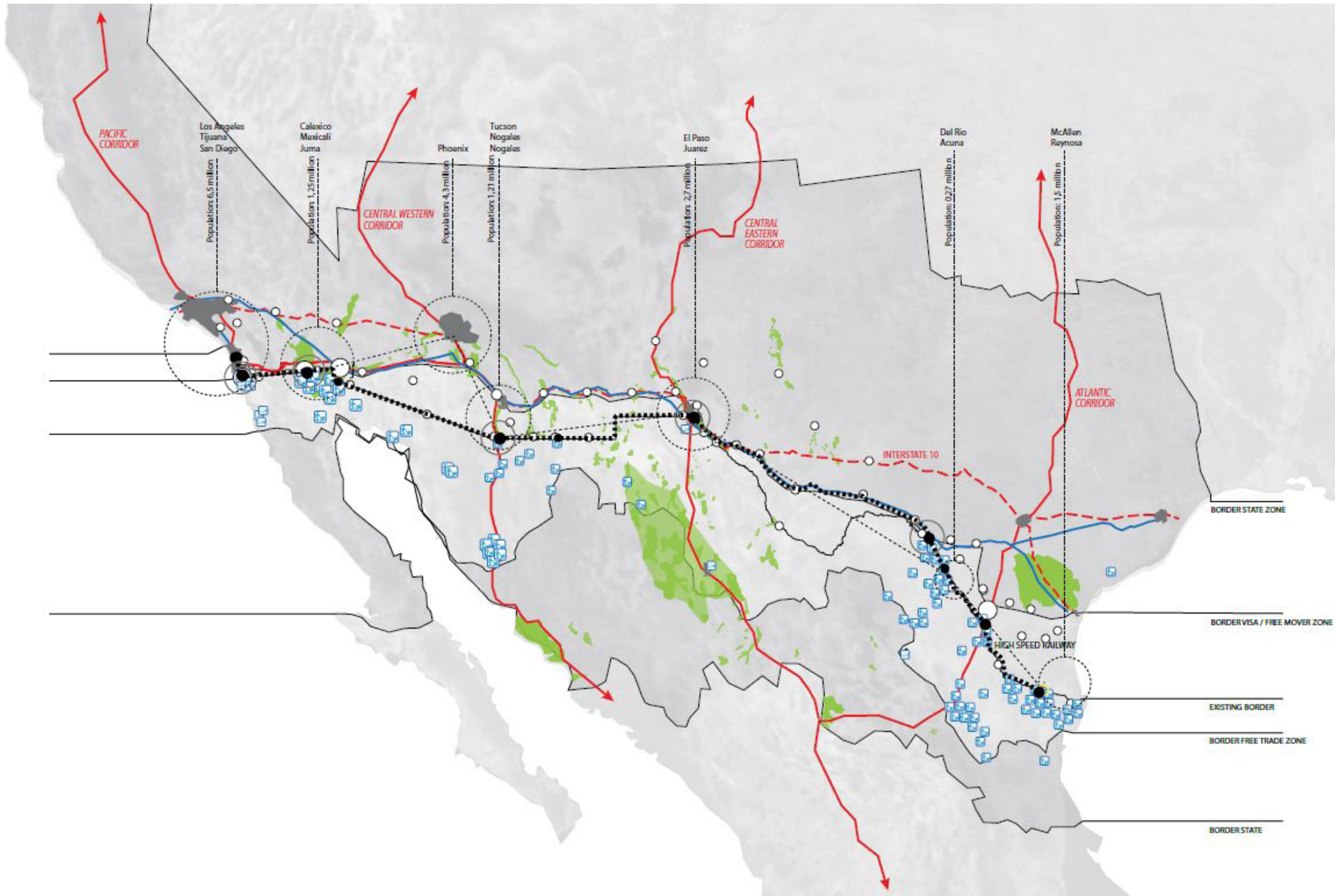


**SIGNIFICANT CITIES & REGIONS**



**FREE TRADE ZONES & BORDER CHECKPOINTS**





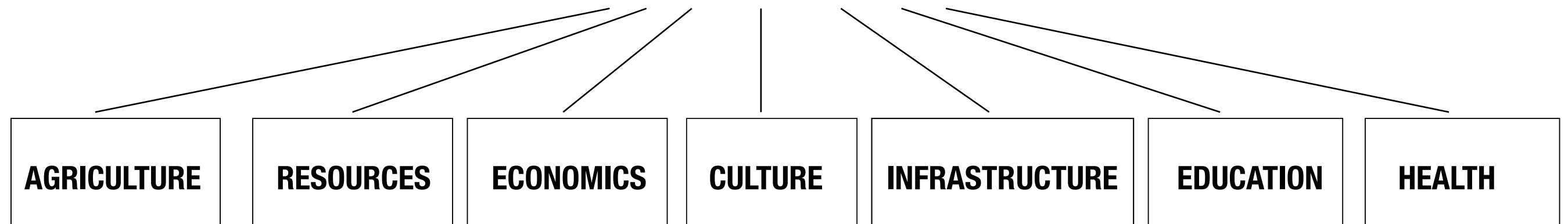
NEW REGIONAL PLAN



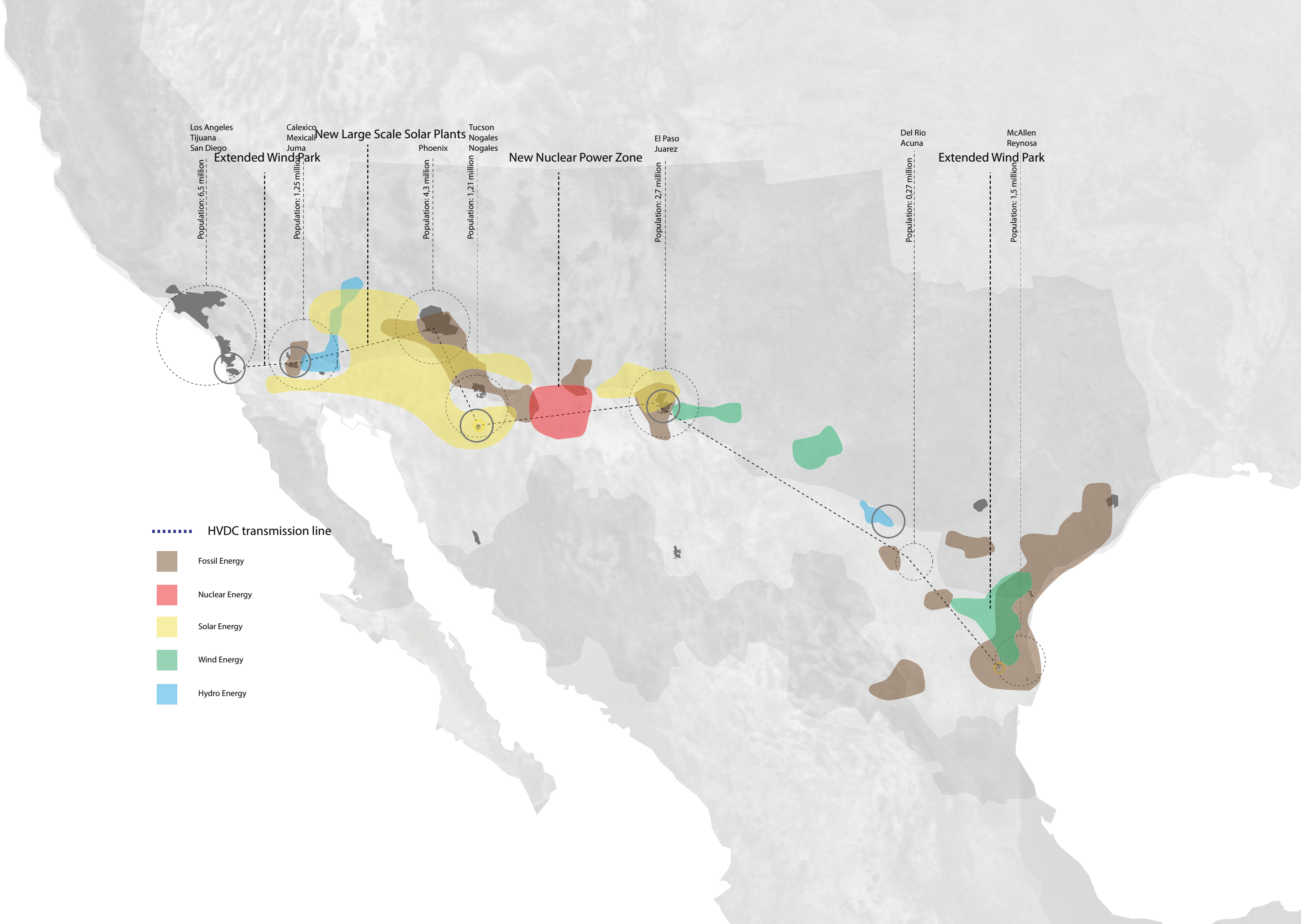
**UNITED TRANSBORDER FEDERATION**



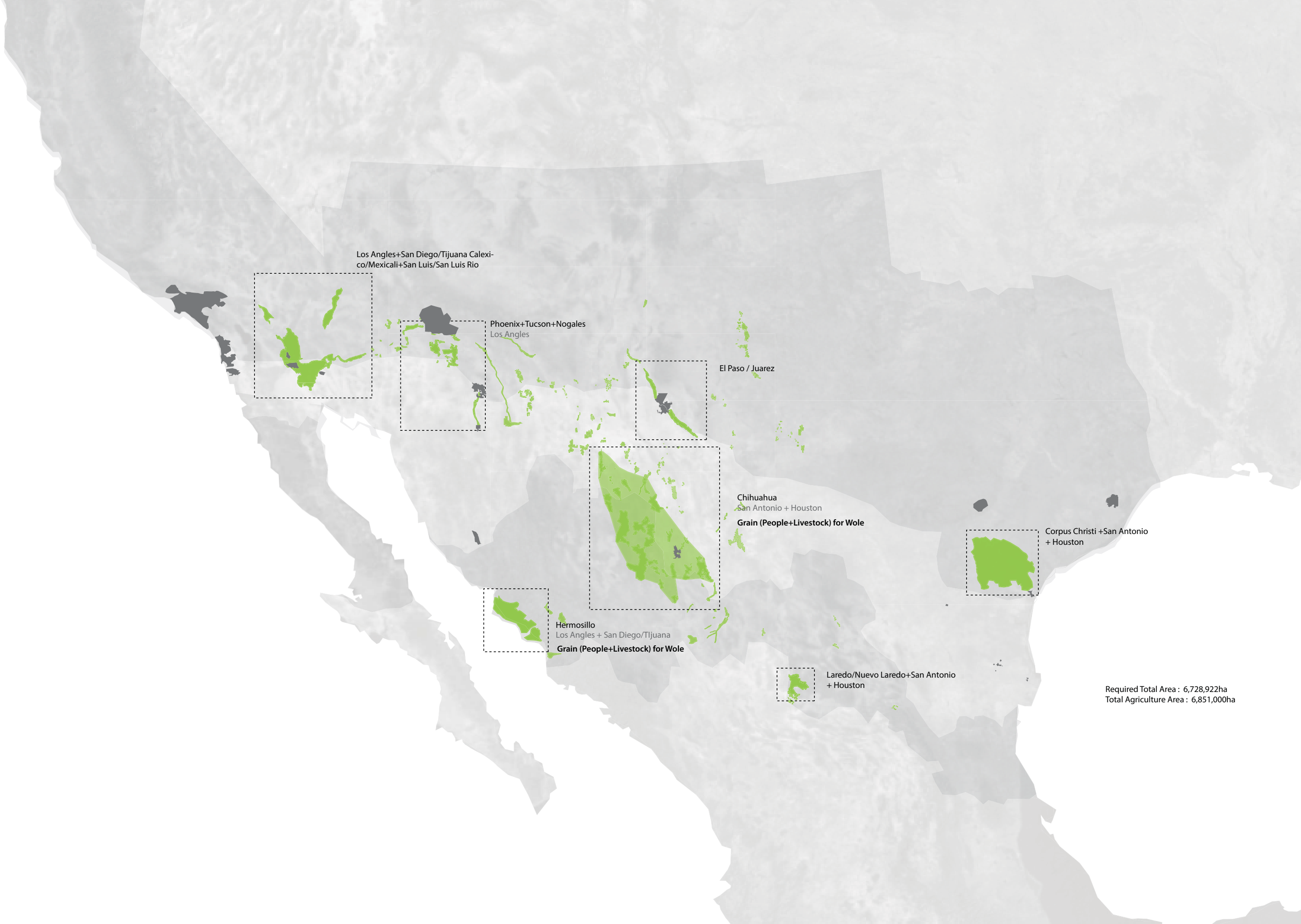
## **TZAR 'S CABINET**



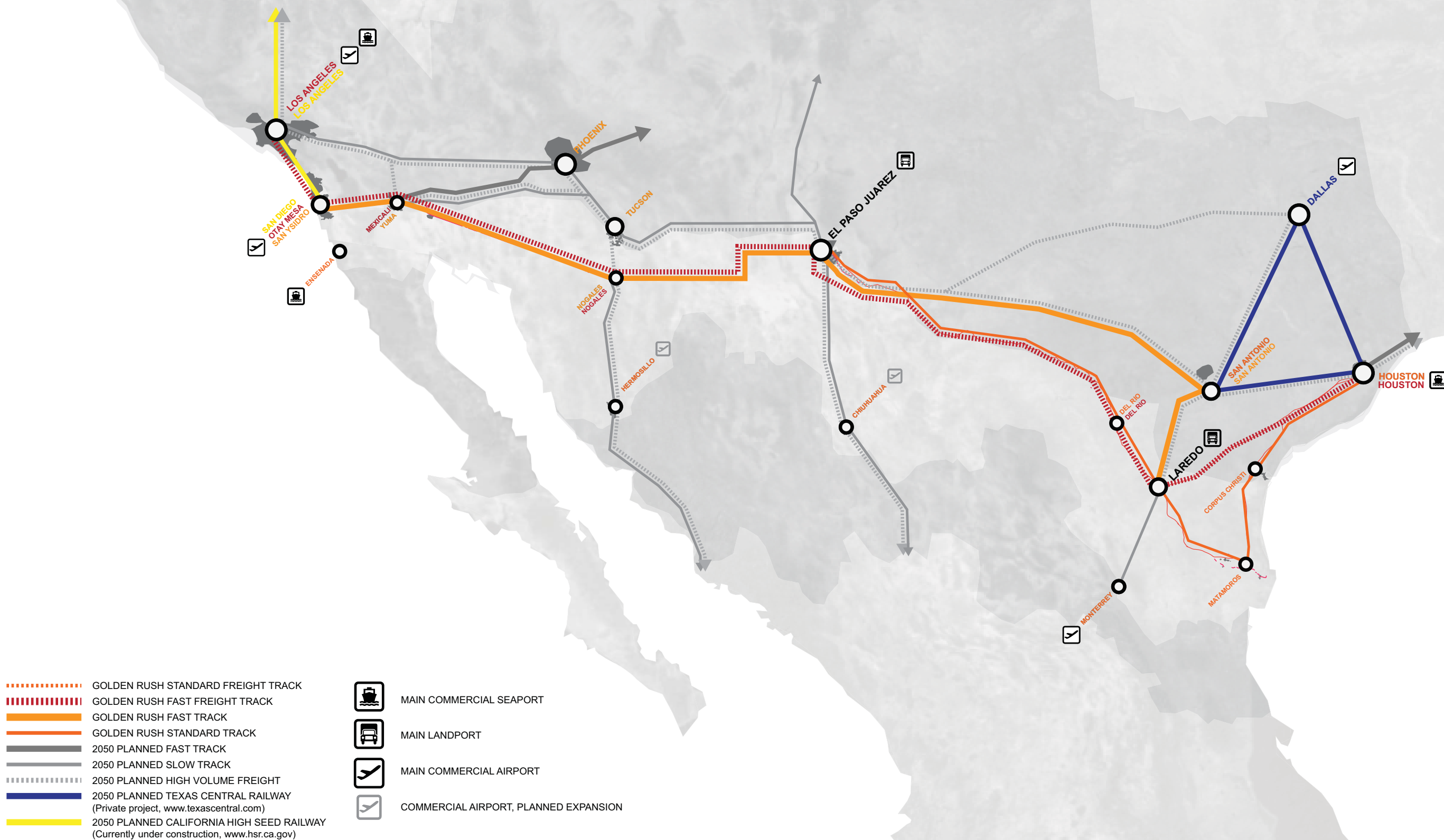
**GOVERNMENT FOCUS AREA'S**



SHARED RESOURCES



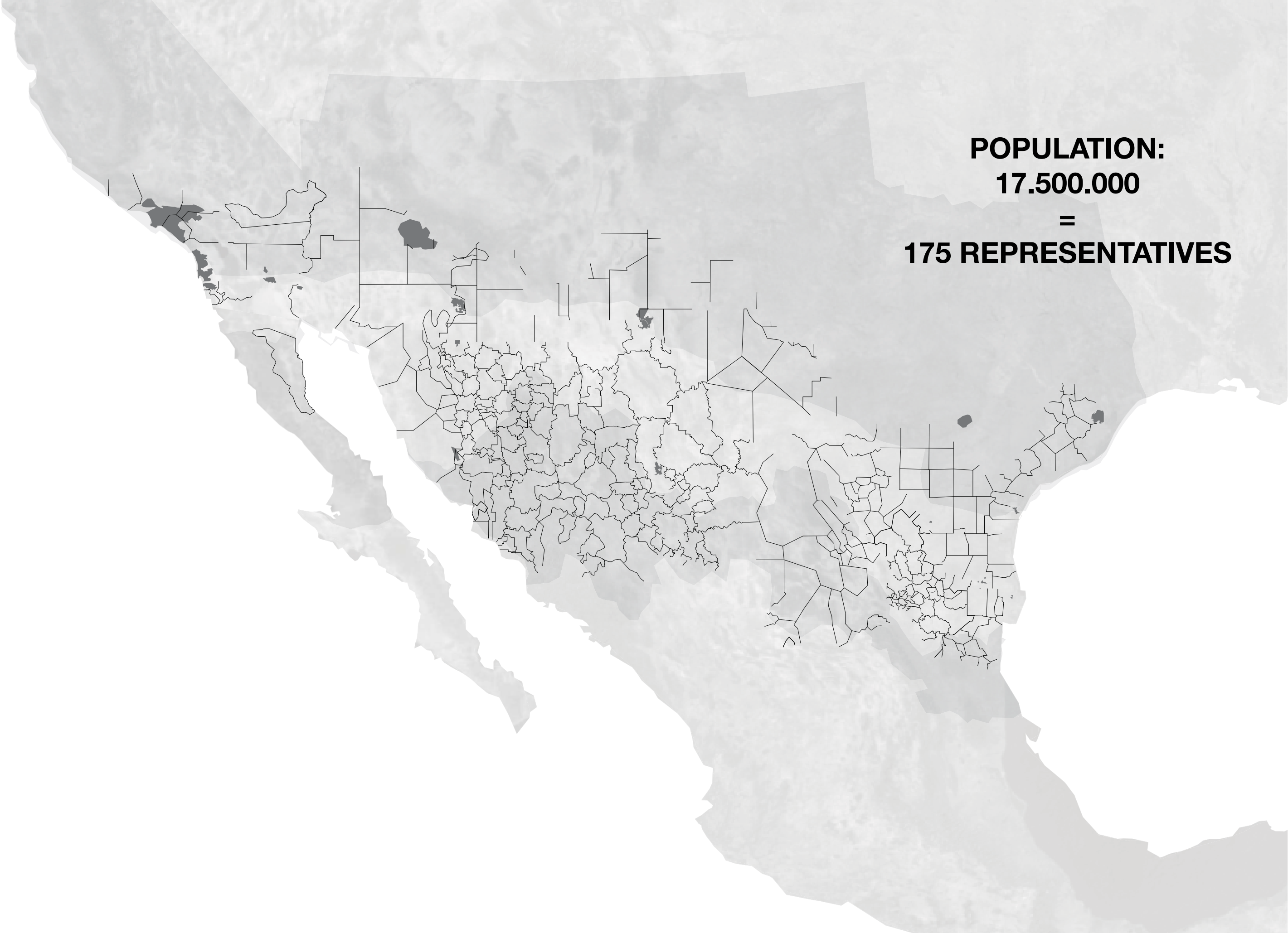
FOOD STABLE



## INFRASTRUCTURAL BACKBONE

**POPULATION:**  
**17.500.000**  
**=**  
**175 REPRESENTATIVES**

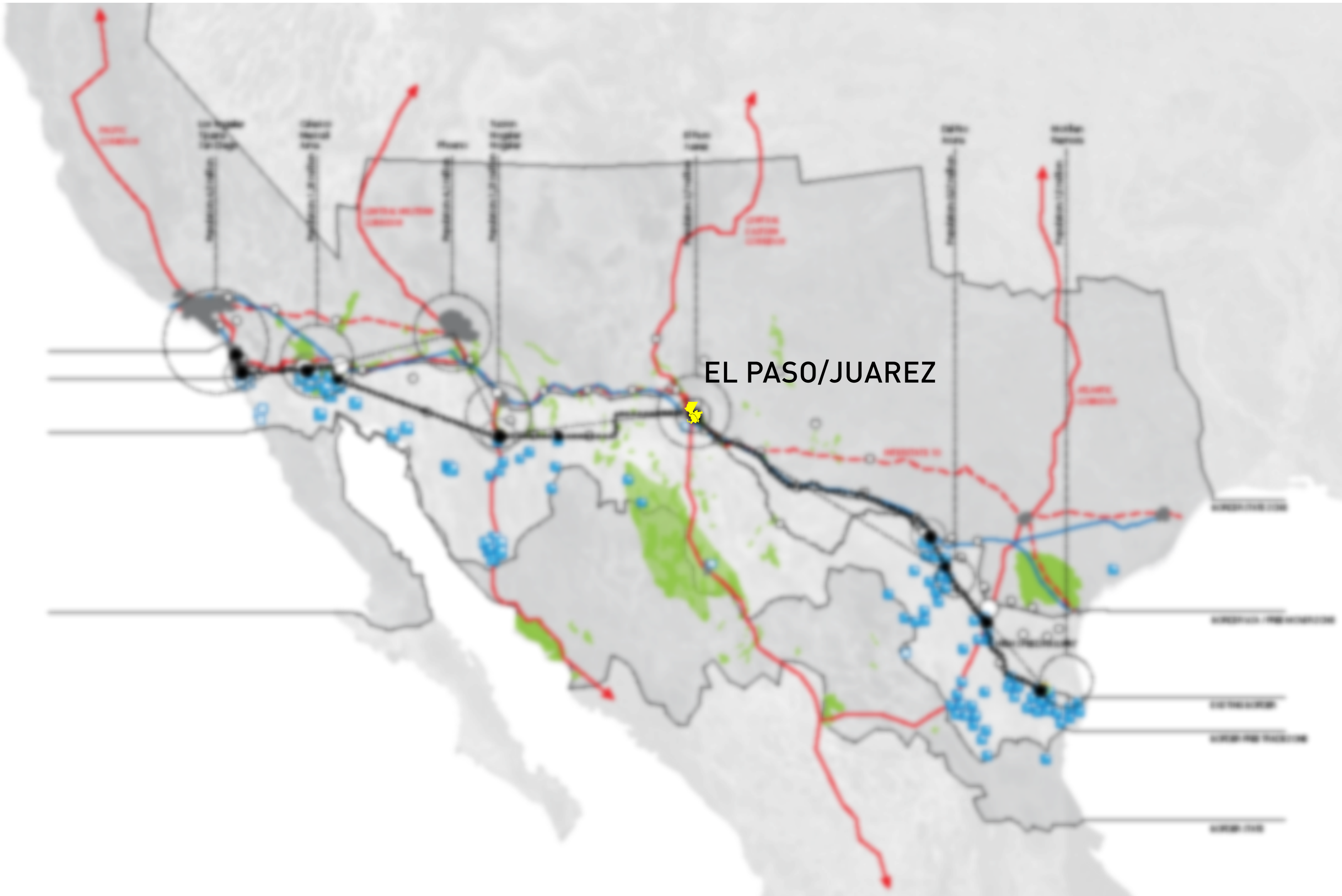
**ELECTORAL STRUCTURE**



to be updated



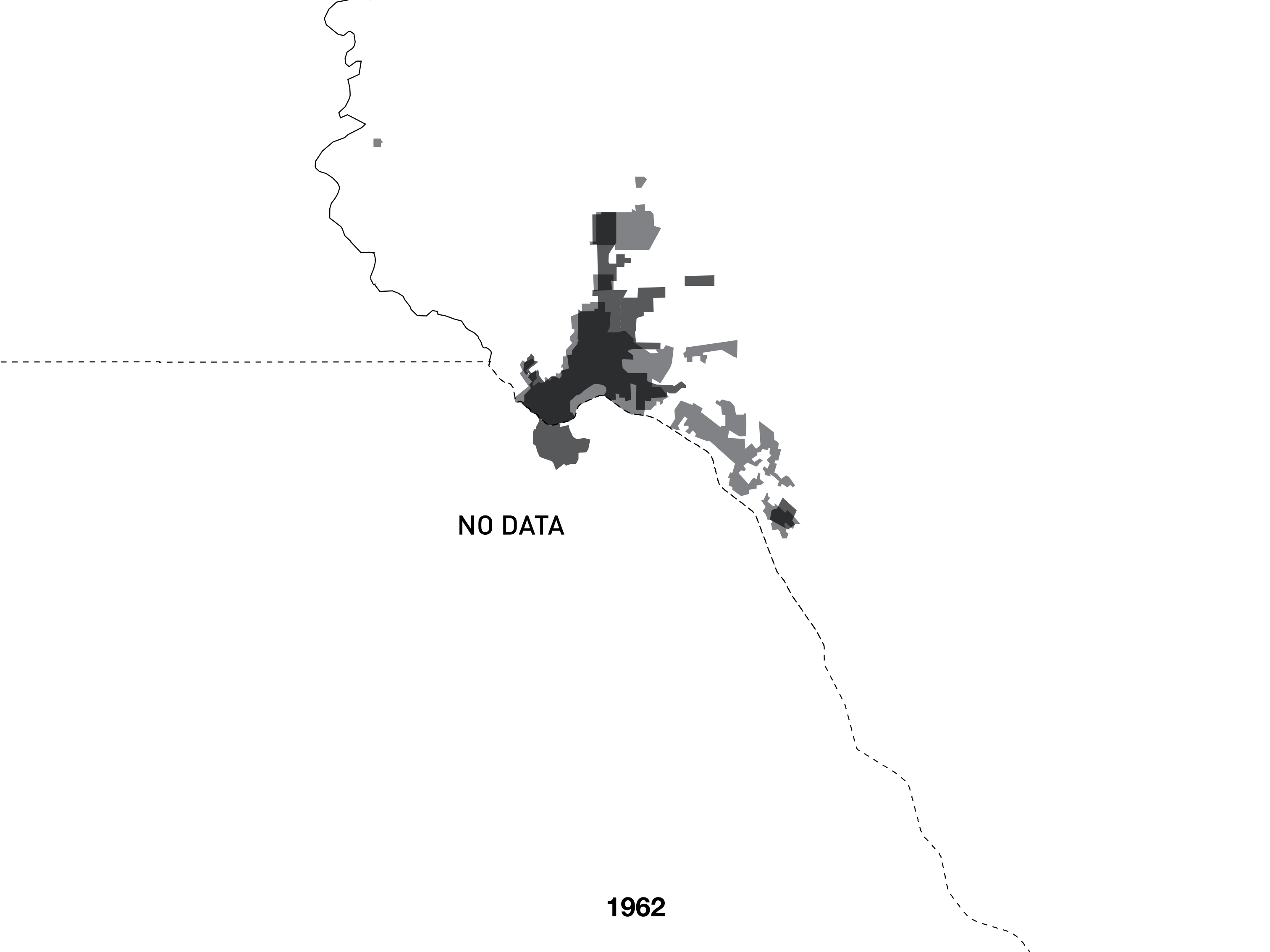
POLITICAL ARENA

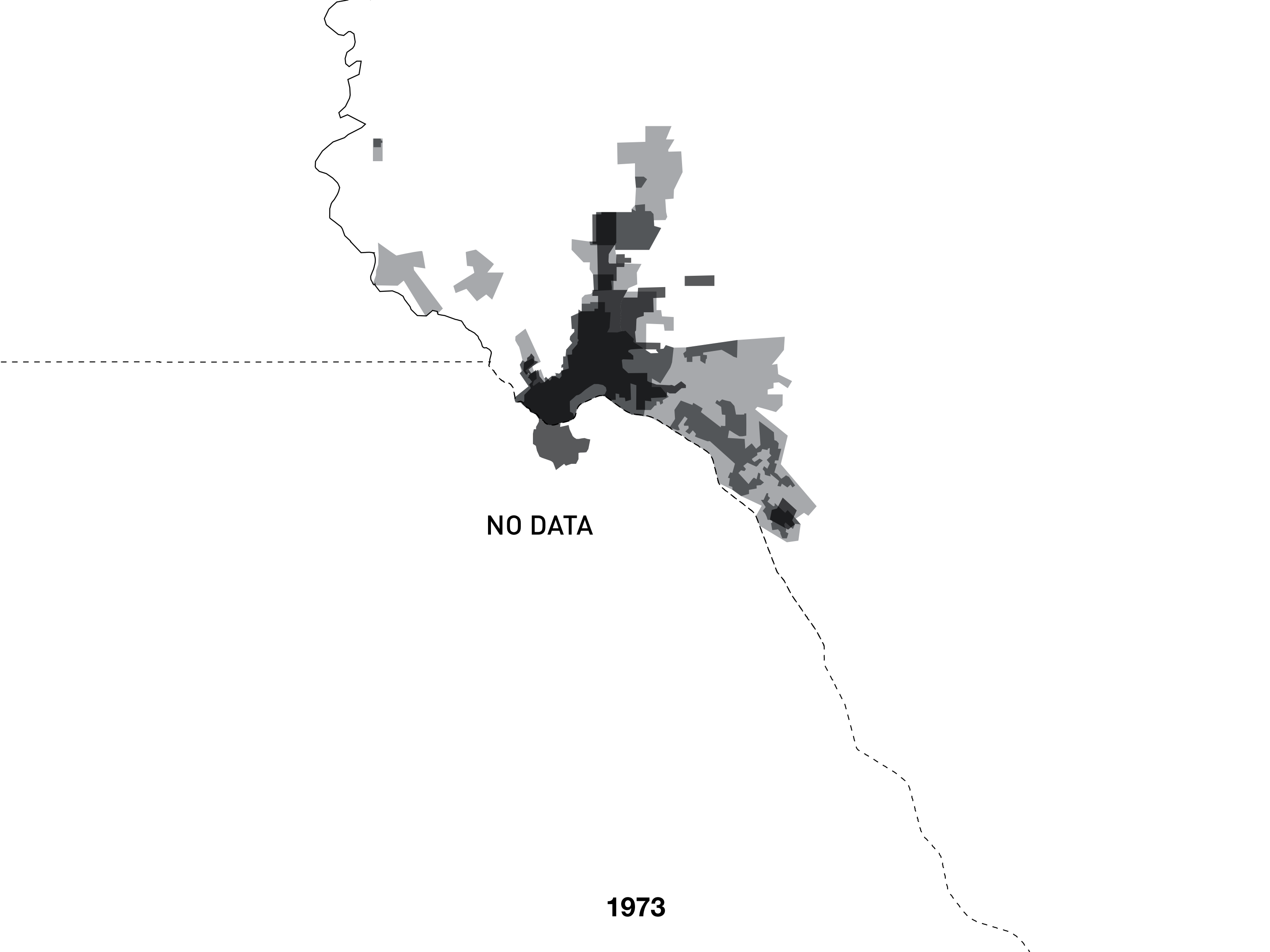


EL PASO/JUAREZ

NEW REGIONAL CAPITOL

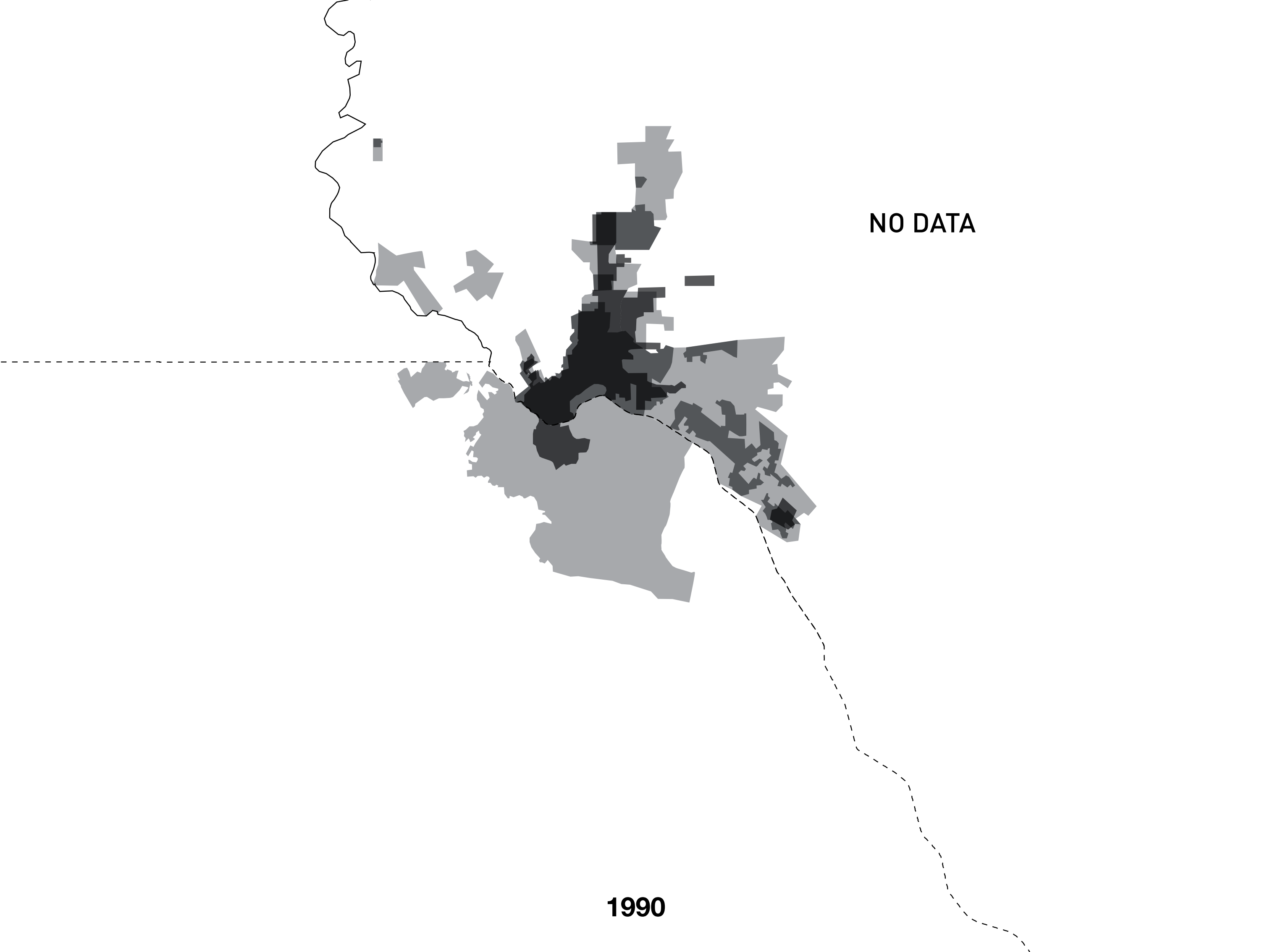
**G Earth picture of city**





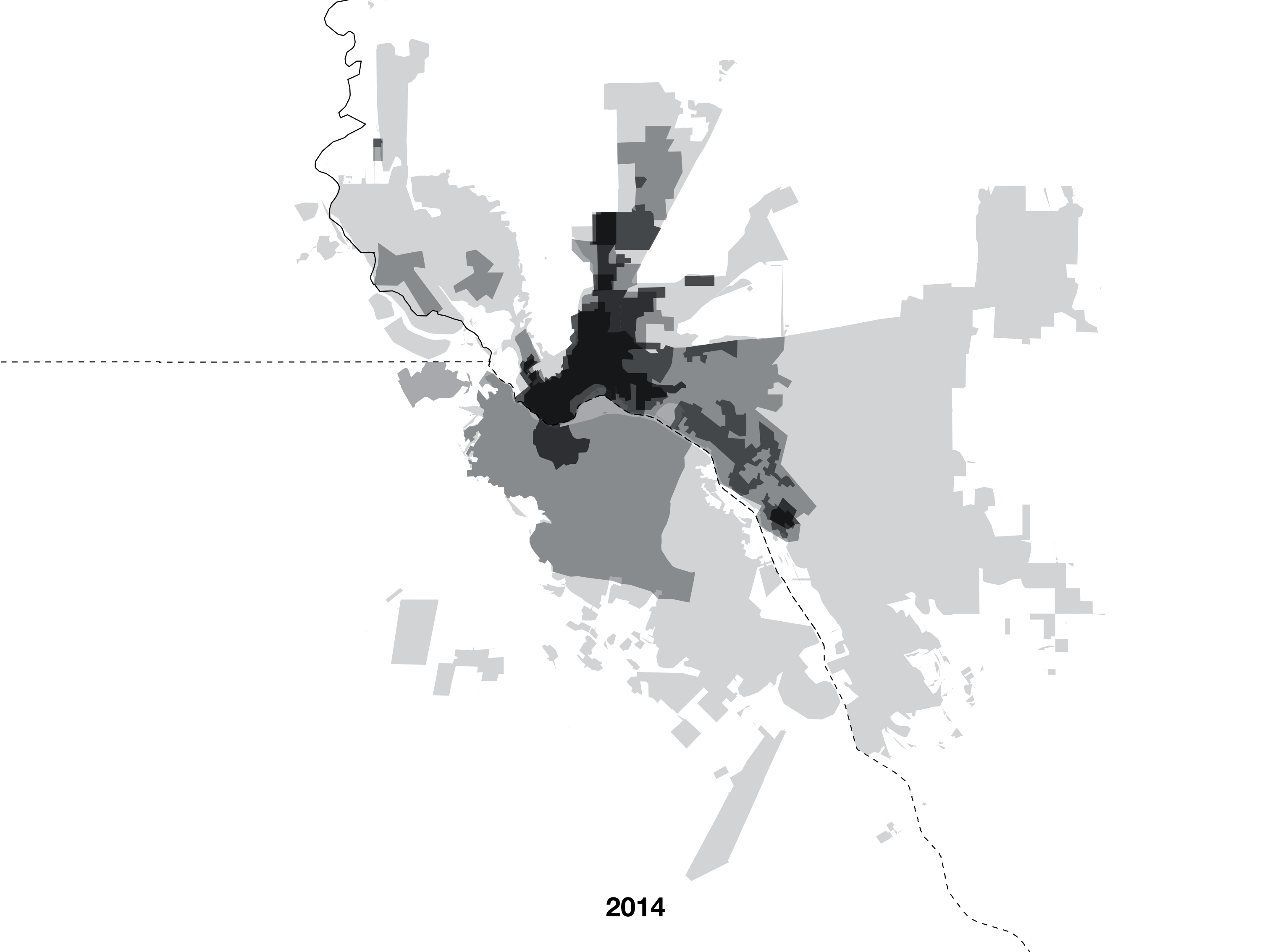
NO DATA

1973

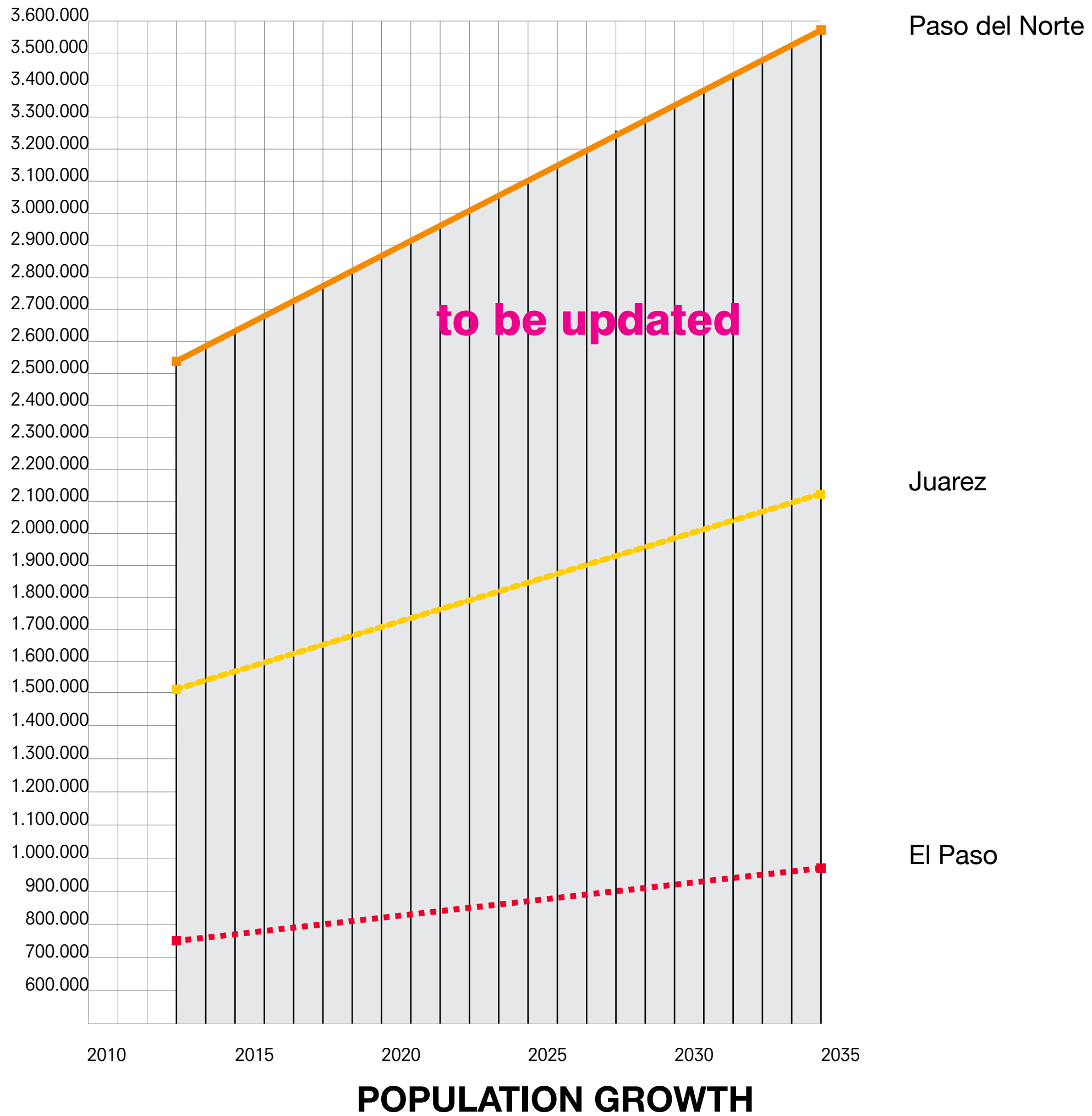


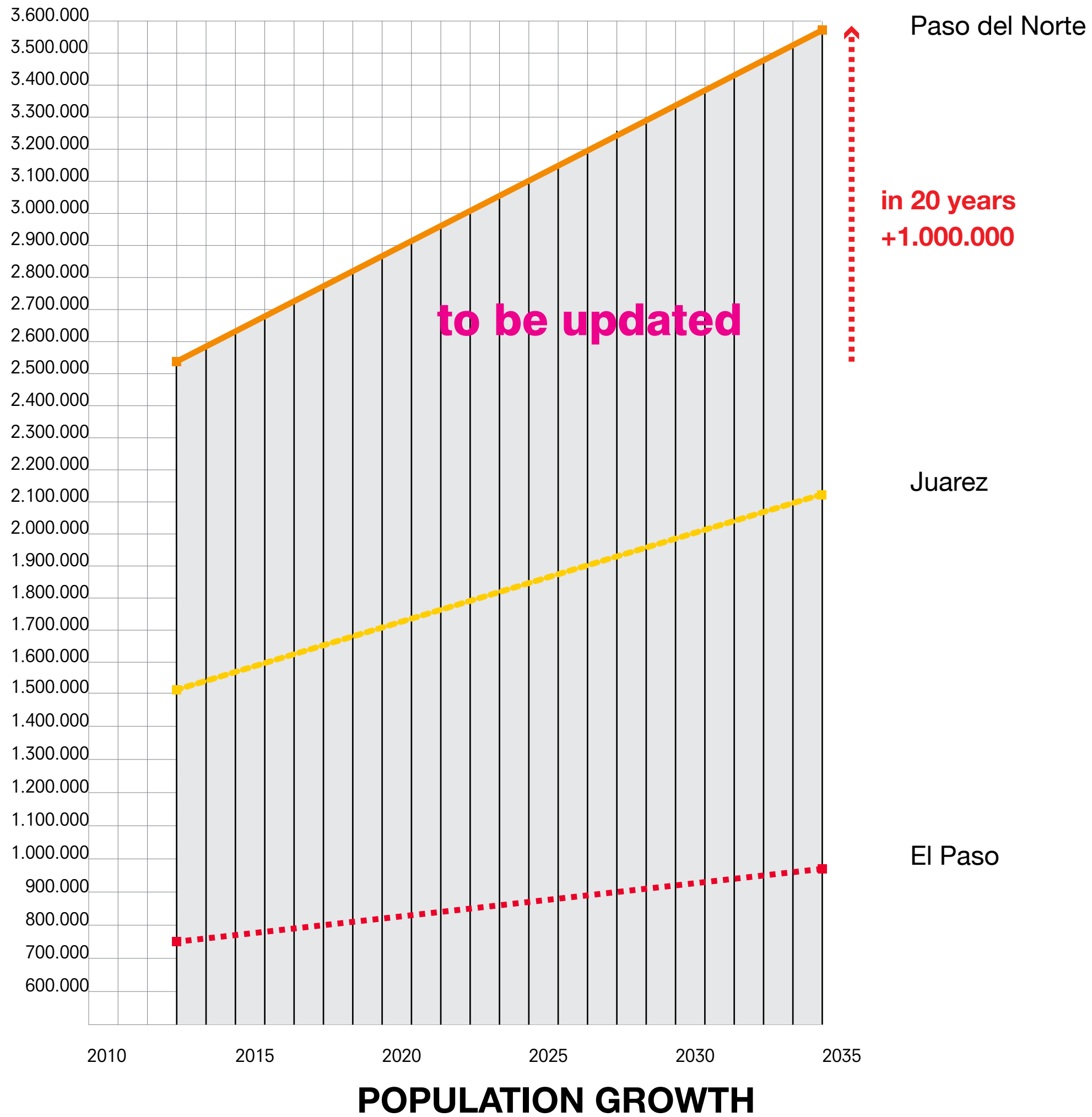
NO DATA

1990



2014







**CHAMIZAL ZONE - EL PASO/JUAREZ**

THE NEW REPRESENTATIVE GOVERNMENT OF  
THE BORDER NEEDS TO REPLACE THE CURRENT  
ORGANIZATIONS, AS TO CENTRALISE AND OPEN UP  
THE POLITICAL SYSTEMS THAT OVERSEE THE BORDER.

**PROBLEM STATEMENT**

A NEW PARLIAMENT TYPOLOGY WHICH OPENS UP  
AND ALLOWS FOR THE PEOPLE TO DISCUSS AND  
QUESTION THE FUTURE OF THEIR REGION. PLACING  
CENTRAL THE PUBLIC AND THE DISCUSSION AS THE  
FOUNDATION OF THE NEW SYSTEM.

**METHOD**

## HISTORY OF THE CHAMIZAL

to be updated

Treaty of Guadalupe Hidalgo	First surveys encounter shifting river
1848	1852



1860s river channel

to be updated

0 500 1000 m

1860

to be updated

Treaty of Guadelupe Hidalgo	First surveys encounter shifting river	Creation of Cordova Island
1848	1852	1899

to be updated

1899s river channel

0 500 1000 m

1899

to be updated

Treaty of  
Guadelupe  
Hidalgo

1848

First surveys  
encounter  
shifting river

1852

Creation of  
Cordova Island

1899

Treaty on  
border Banco's

1905

Chamizal  
convention

1963

to be updated

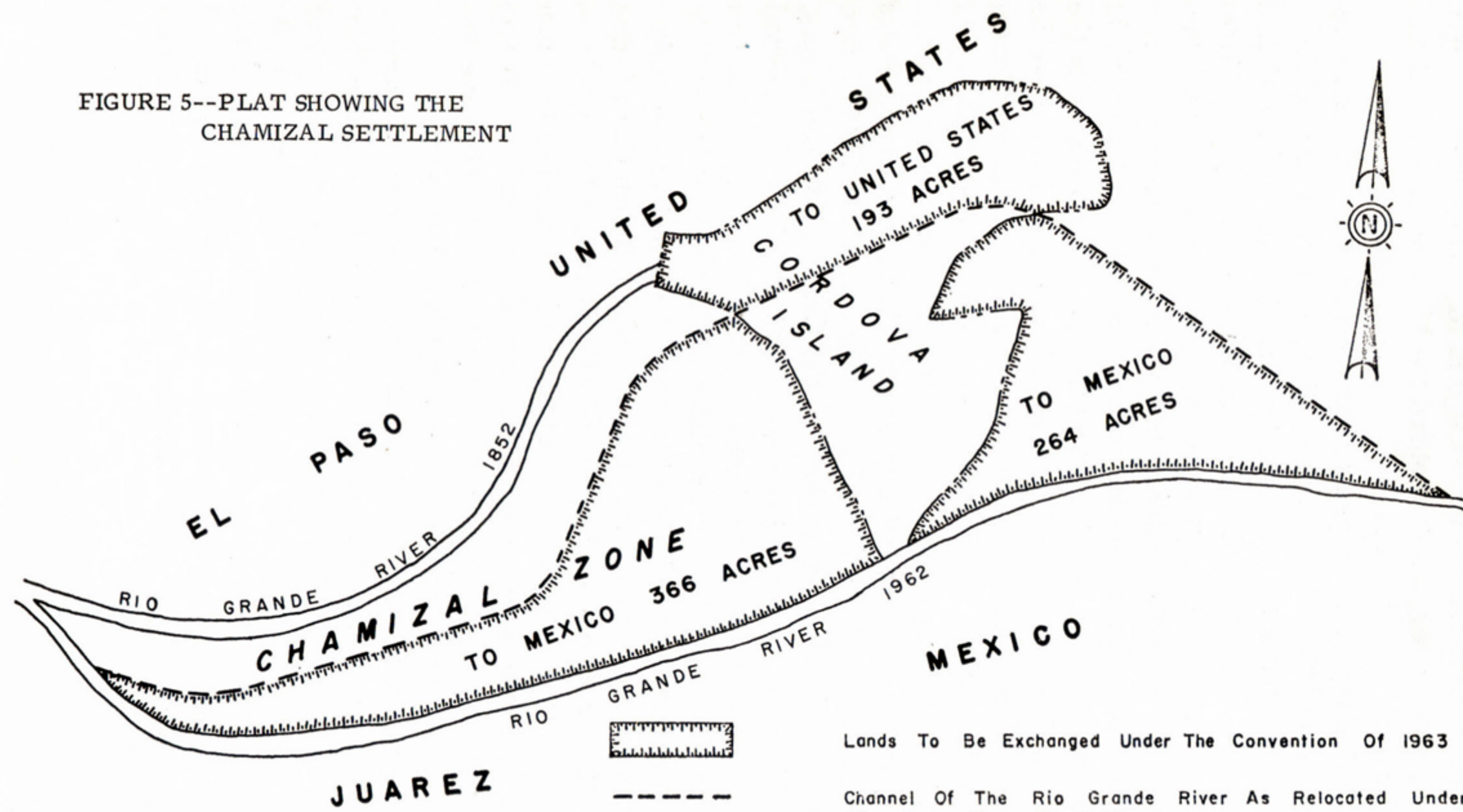
1960s river channel

0 500 1000 m

1960



FIGURE 5--PLAT SHOWING THE  
CHAMIZAL SETTLEMENT



to be updated

Treaty of  
Guadelupe  
Hidalgo

1848

First surveys  
encounter  
shifting river

1852

Creation of  
Cordova Island

1899

Treaty on  
border Banco's

1905

Chamizal  
convention

1963

Completion of  
Chamizal  
reconstruction

1967



0 500 1000 m

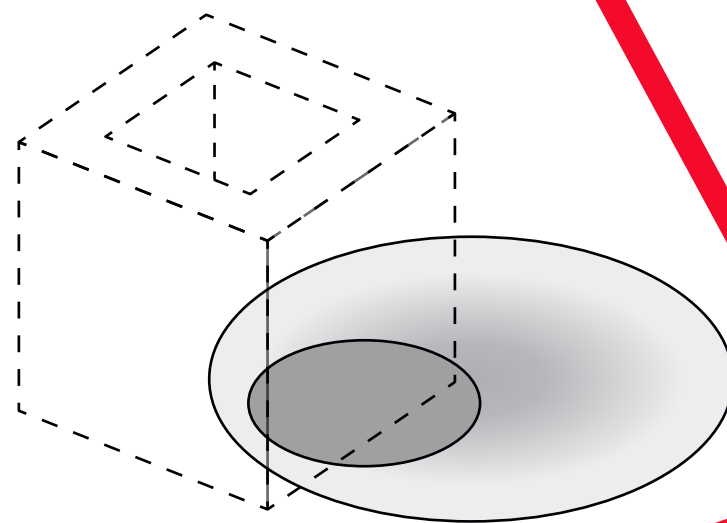
THE BORDER



0 500 1000 m

## MORPHOLOGY OF THE BORDER

Bridge of the  
America's Port  
of Entry  
**to be updated**

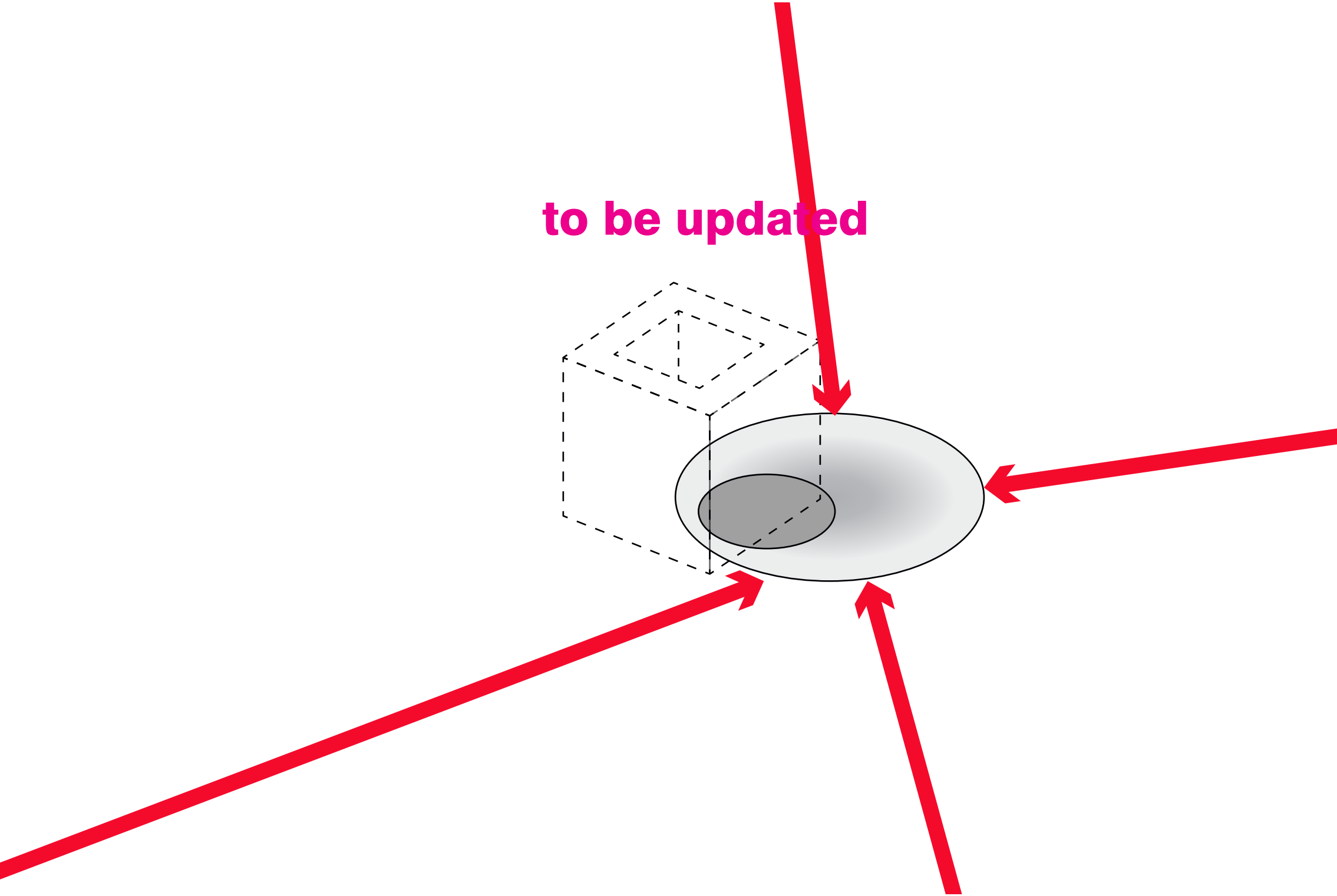


Autonomous  
University of  
Ciudad Juarez

Juarez  
Water Park

Juarez  
community  
stadium

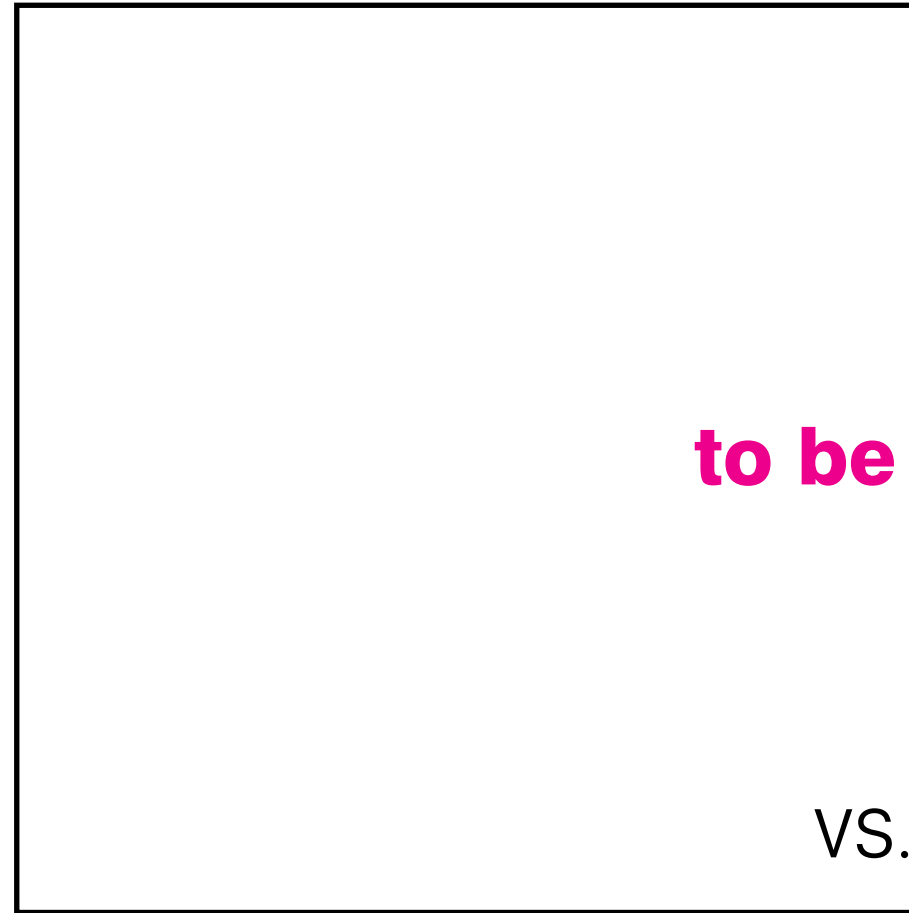
PROXIMITY OF FUNCTIONS



to be updated

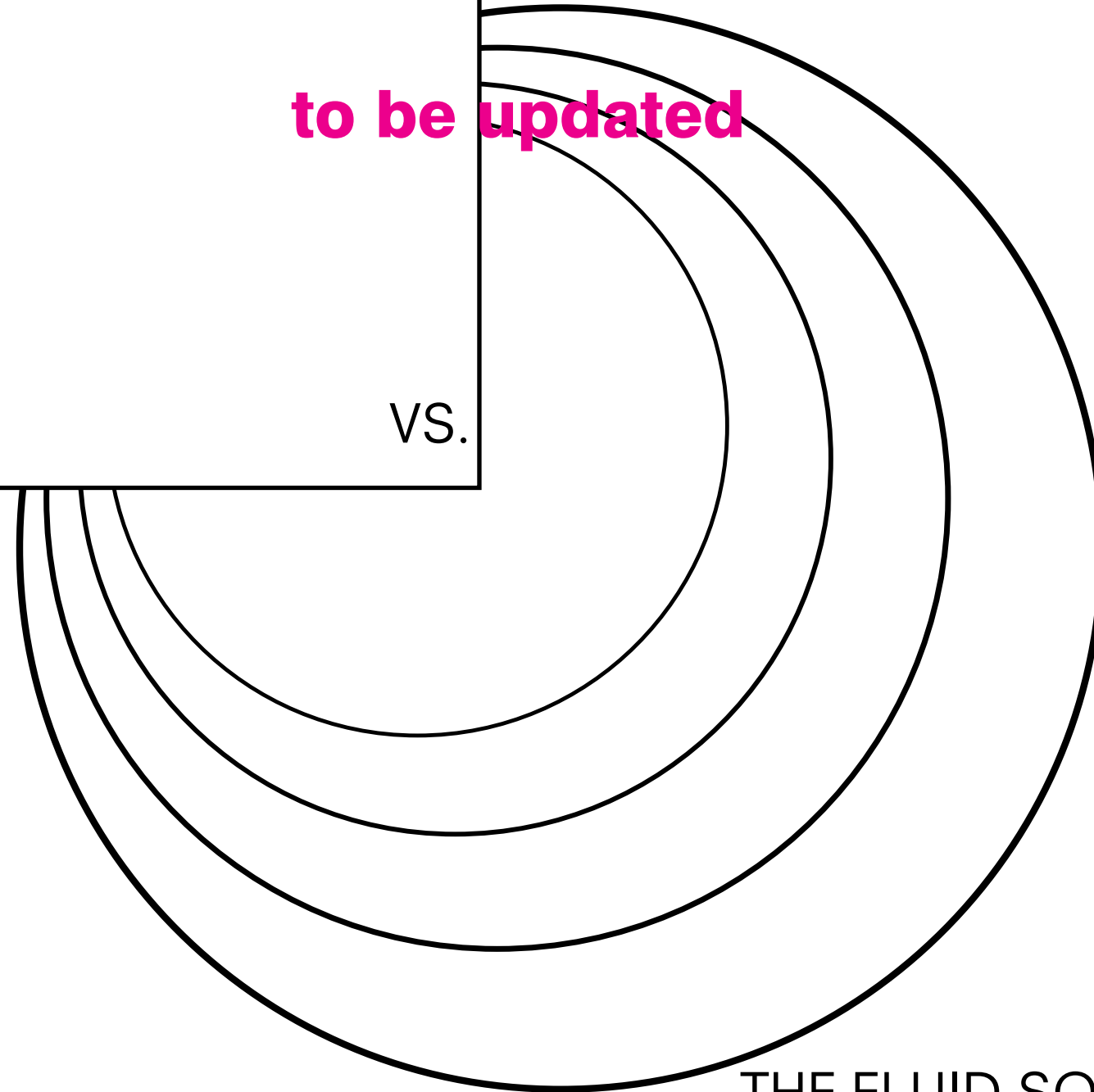
ALL SIDED ACCESSIBILITY

THE RIGID SYSTEM



**to be updated**

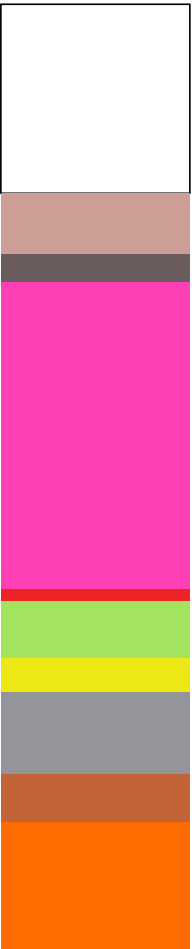
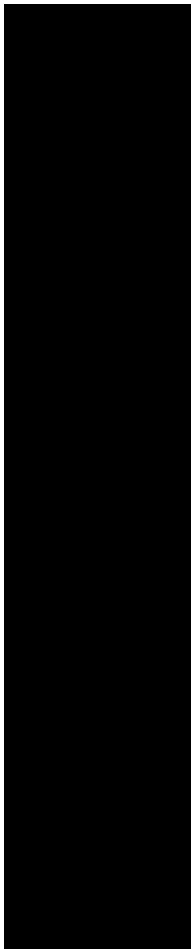
VS.



THE FLUID SOCIETY

ARCHITECTURE INFORMING THE POWER STRUGGLE

Total 34413m2



Parking facilities (20% of total) 5736 m2

Restaurant tot. 1212m2

Archives and mailing services tot. 560m2

Political Party chambers and individual working spaces for members of parliament tot. 7060m2

Security department tot. 222m2

Supporting offices total 1147m2

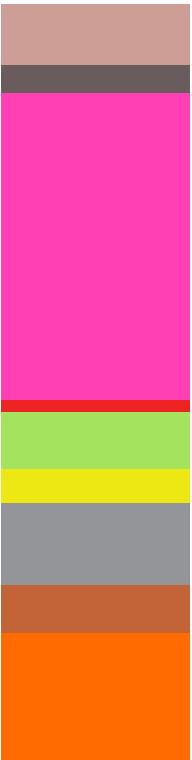
Presidium for chairmen and vice chairmen of the chamber, total 702m2

Parliament Chamber total 1630m2

Media working spaces tot. 972m2

Hearing rooms total 2550m2

Total 28677 m2



Restaurant tot. 1212m2

Archives and mailing services tot. 560m2

Political Party chambers and individual working spaces for members of parliament tot. 7060m2

Security department tot. 222m2

Supporting offices total 1147m2

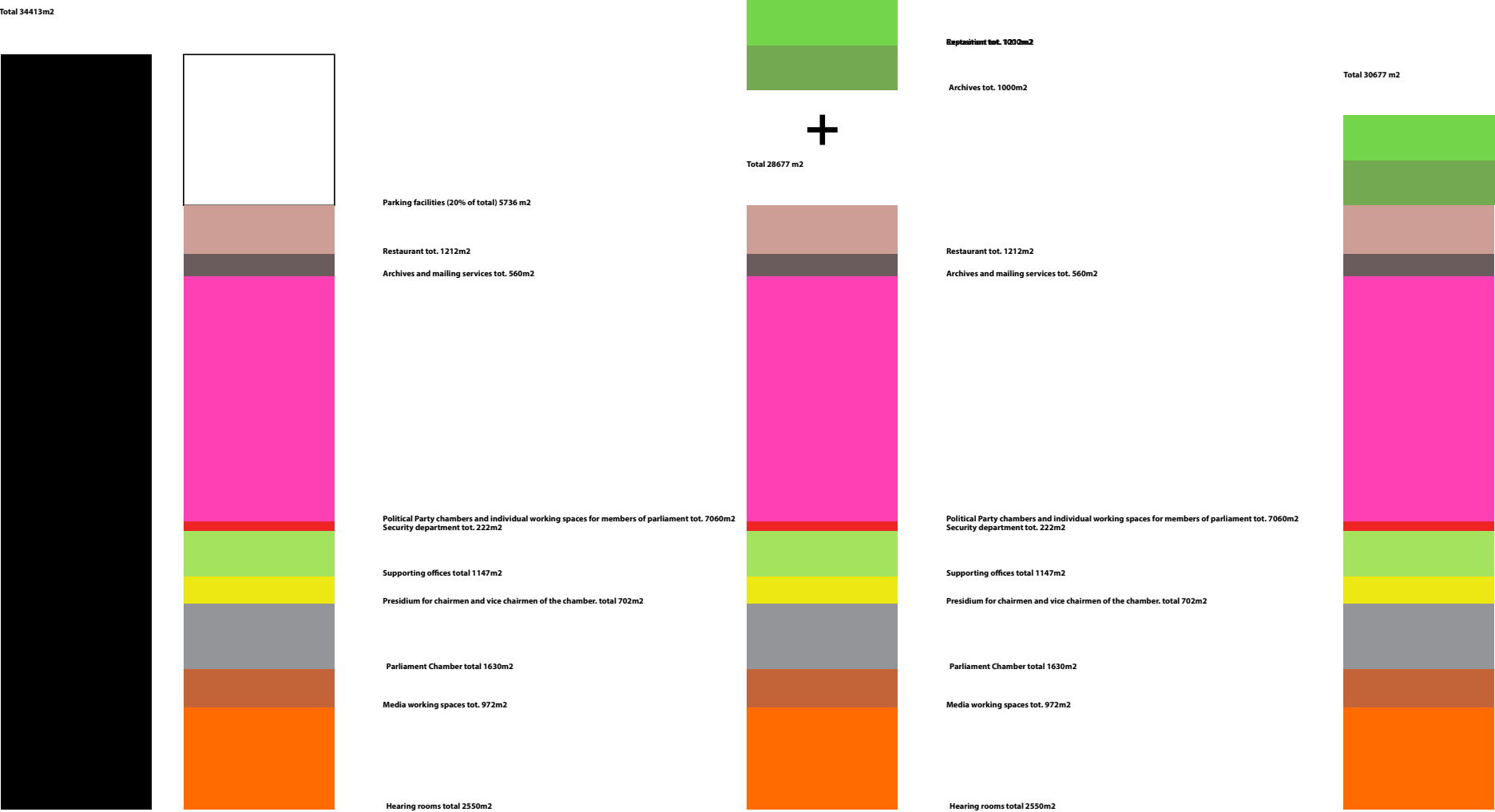
Presidium for chairmen and vice chairmen of the chamber, total 702m2

Parliament Chamber total 1630m2

Media working spaces tot. 972m2

Hearing rooms total 2550m2

OLD PROGRAM



KNOWLEDGE IS POWER = UPDATED PROGRAM BAR

## 3d program diagram

# SITE ANALYSIS



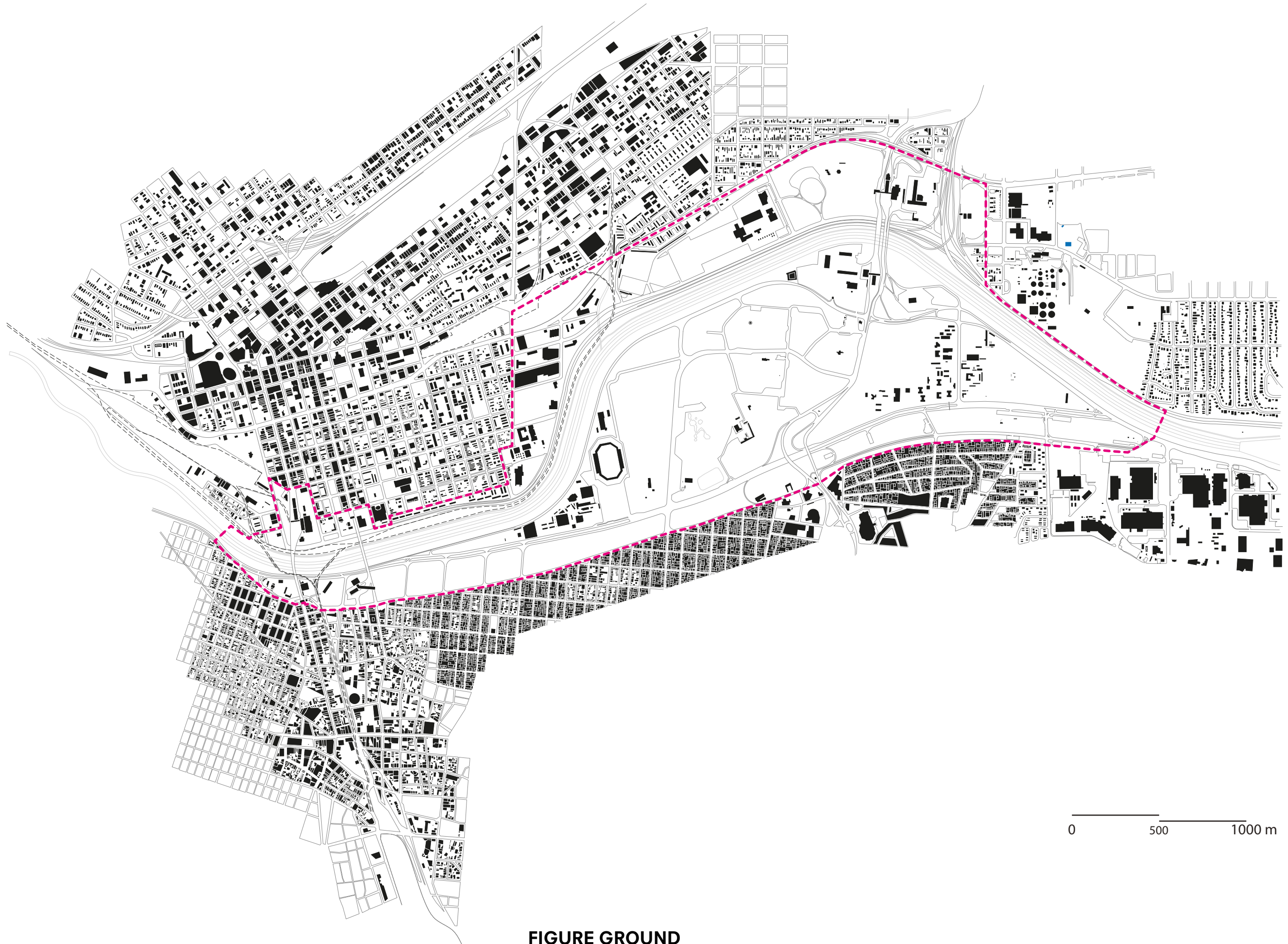
0 500 1000 m

CHAMIZAL



0 500 1000 m

**(STILL) AN ISLAND**



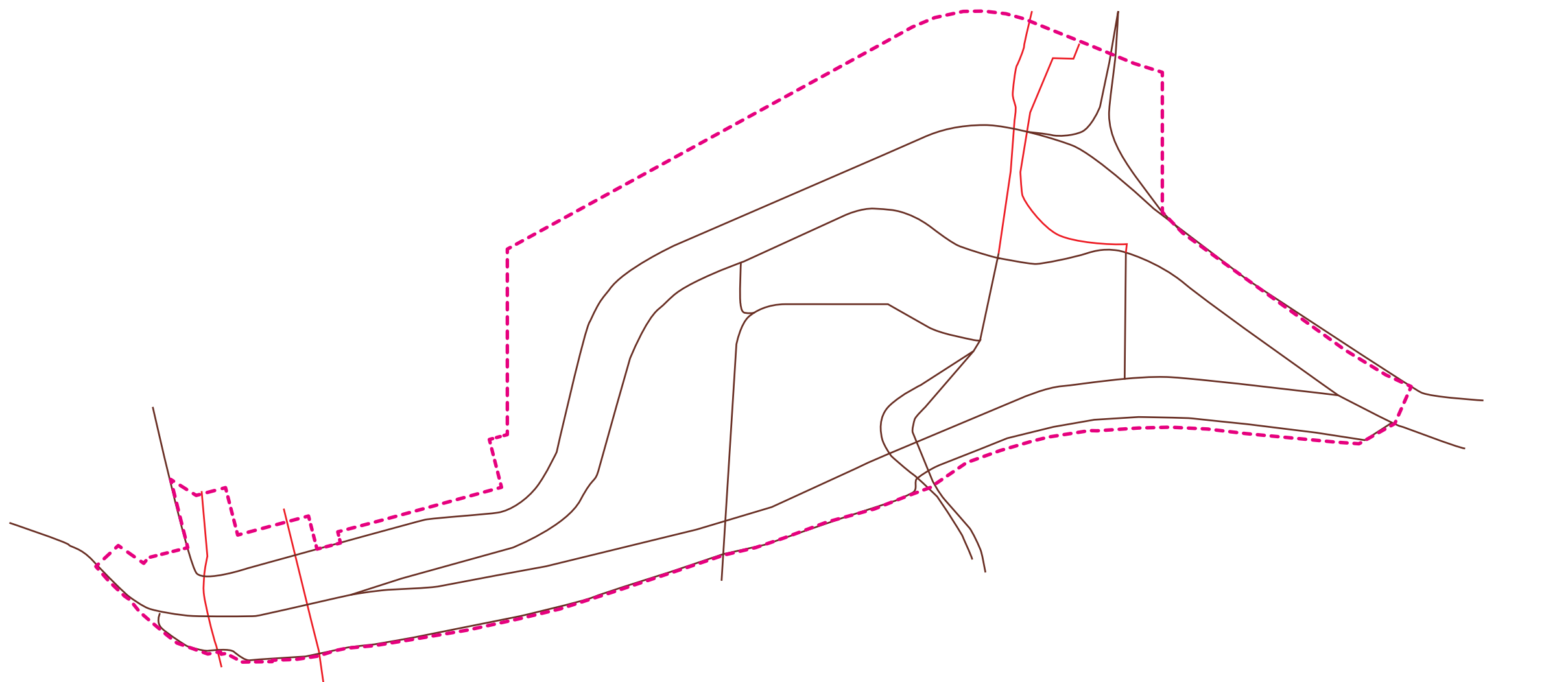
**FIGURE GROUND**



**THE BORDER**

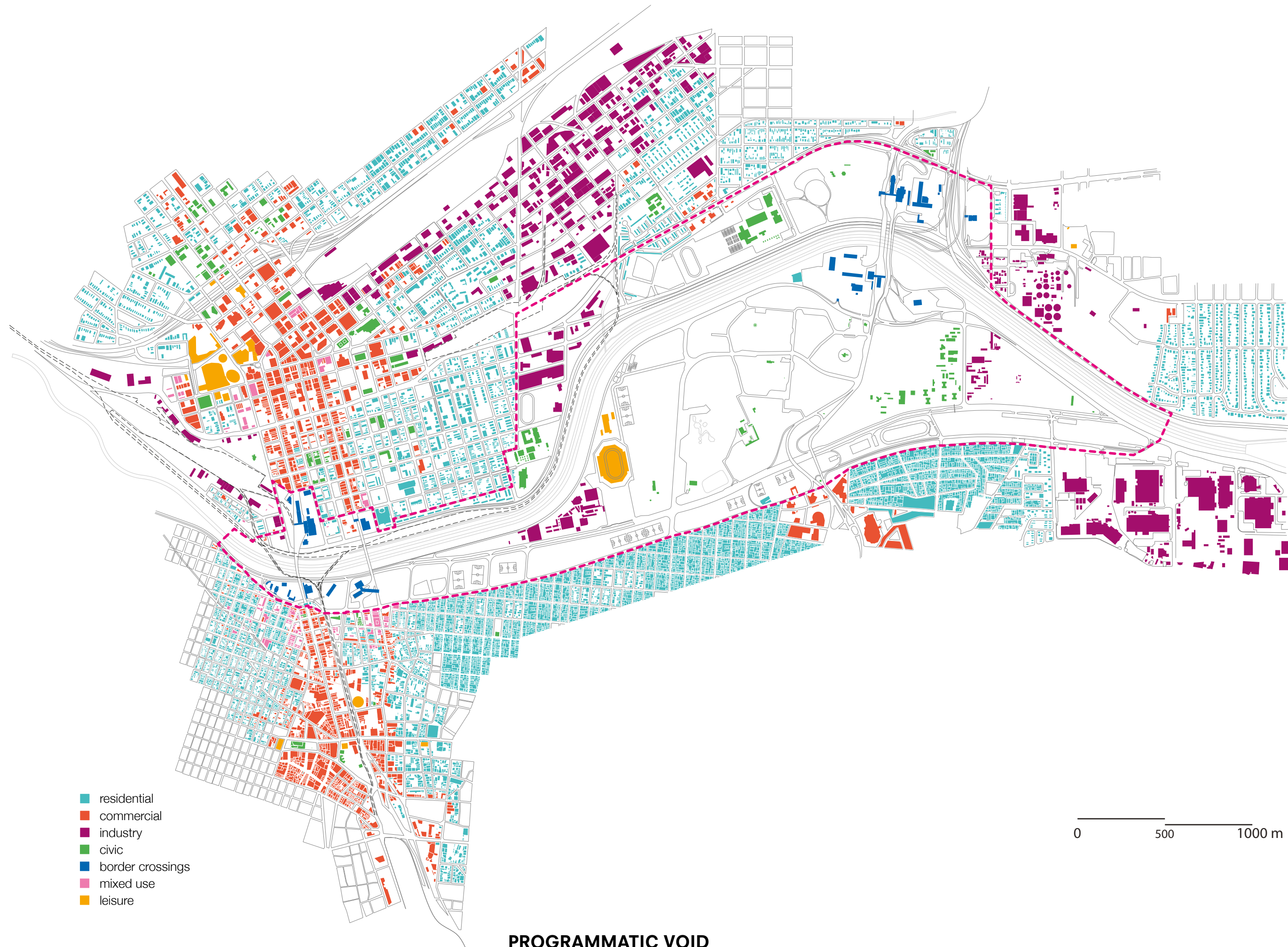


**STRATIFIED ENVIRONMENT**



0 500 1000 m

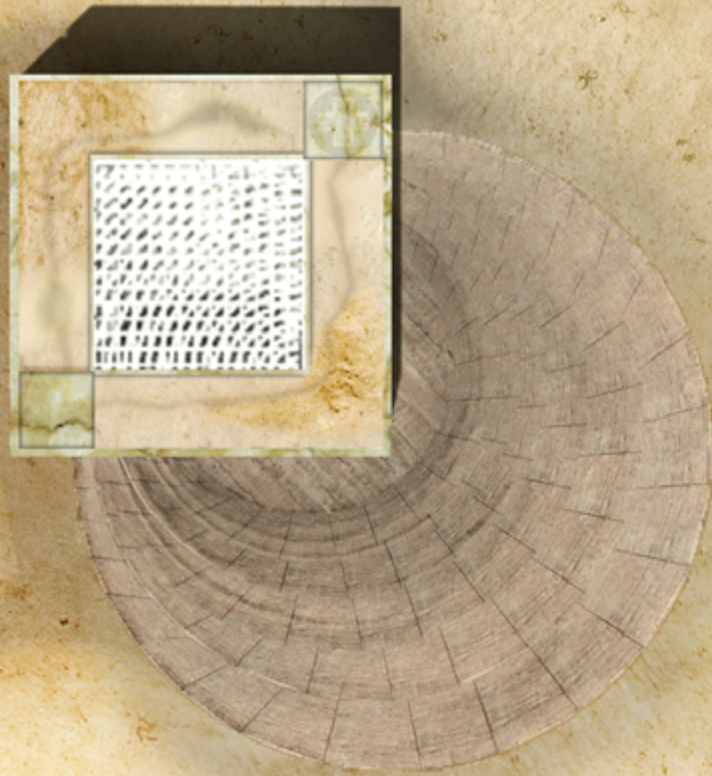
**INFRASTRUCTURAL BARRIERS**



**PROGRAMMATIC VOID**

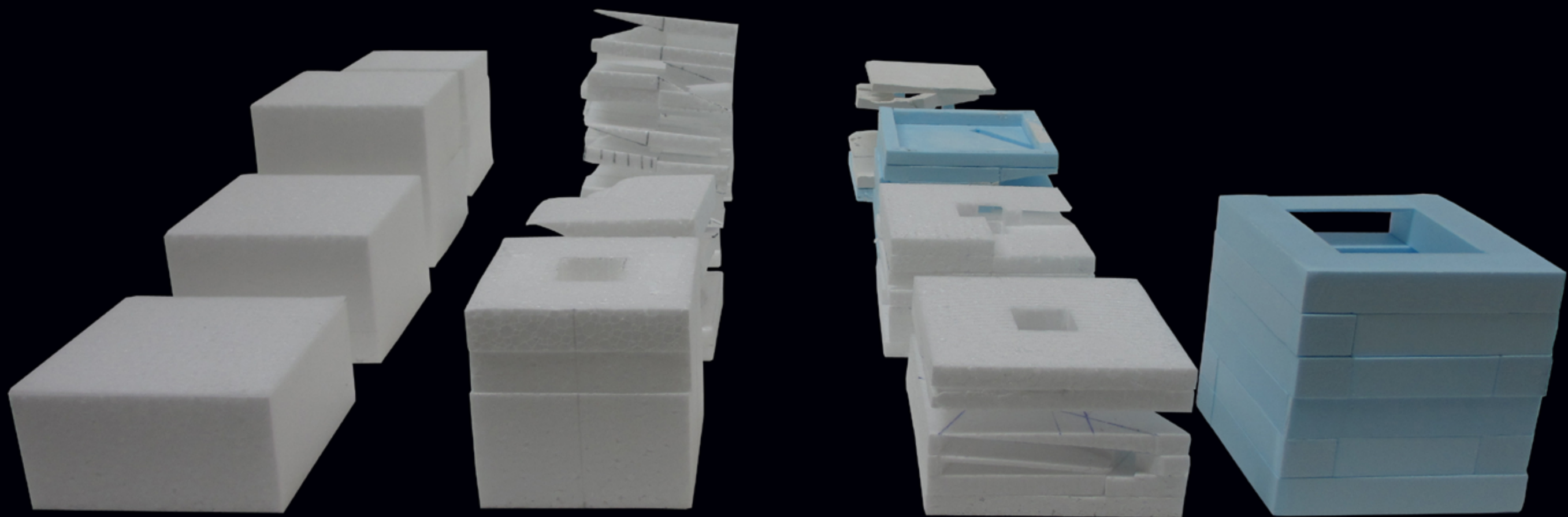
to be updated

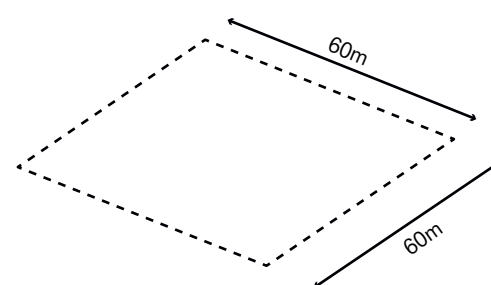




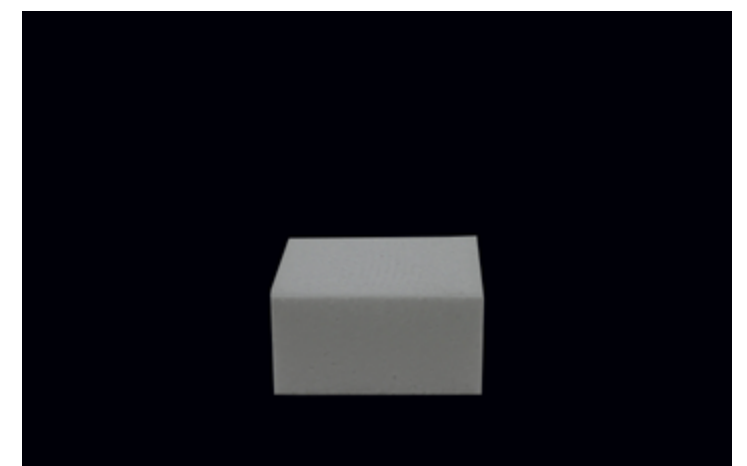
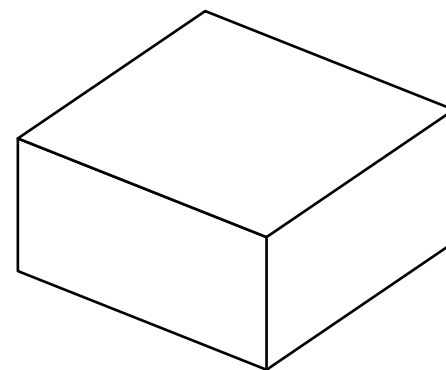
**political system**

**PROCESS**

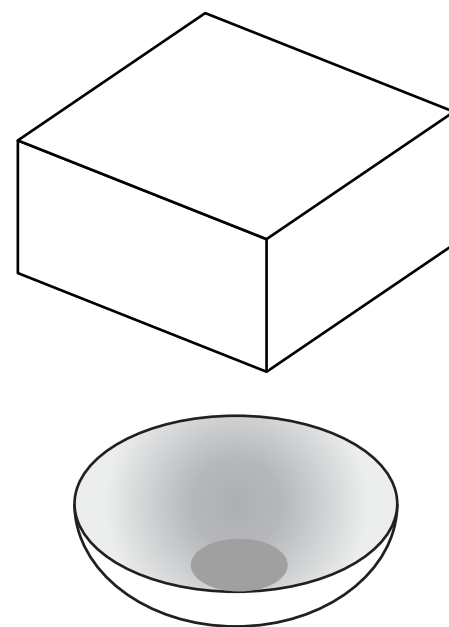




**PLOT DIMENSIONS**

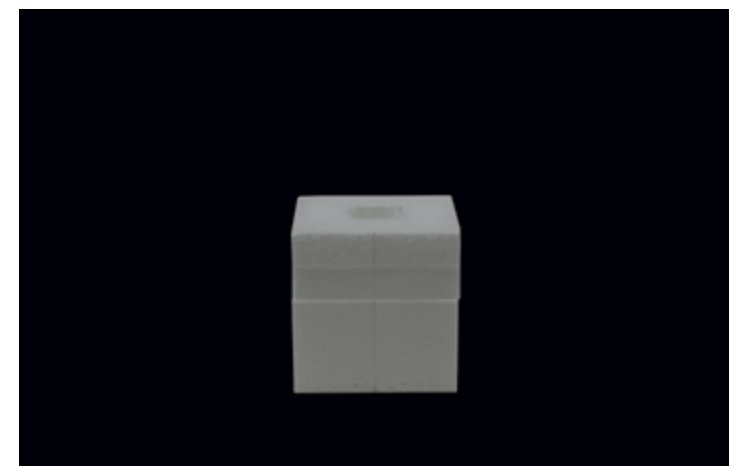
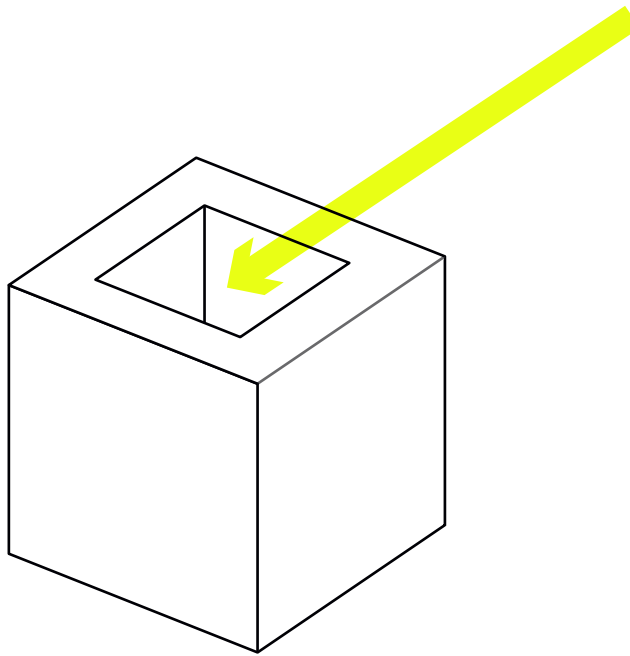


**BASIC VOLUMETRIC OUTCOME OF THE PROGRAM**

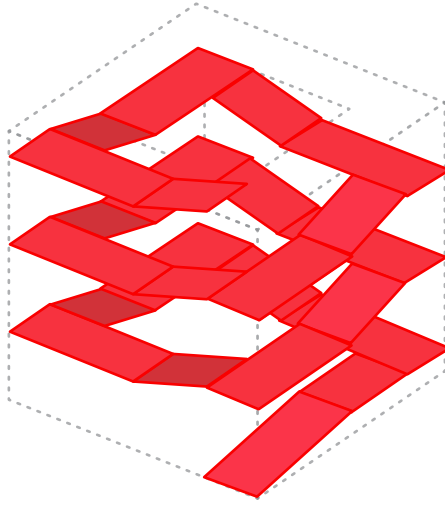


**POLITICAL ARENA**



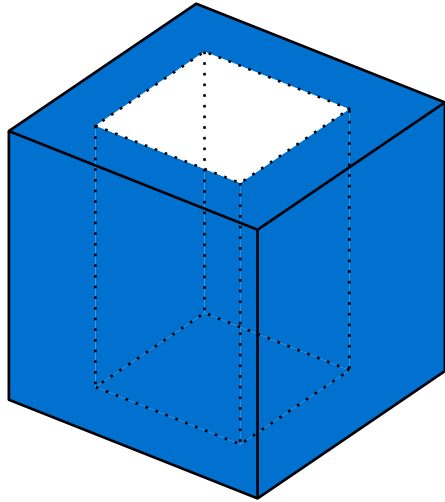


**ALLOWING DAYLIGHT ENTRY AT THE HEART  
OF THE BUILDING**

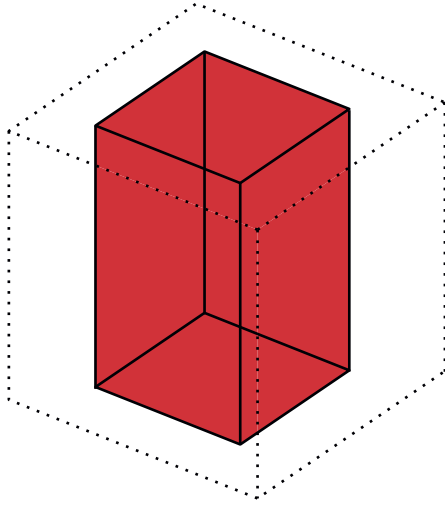


**PUBLIC CAN VIEW OUTWARD AND INWARD**



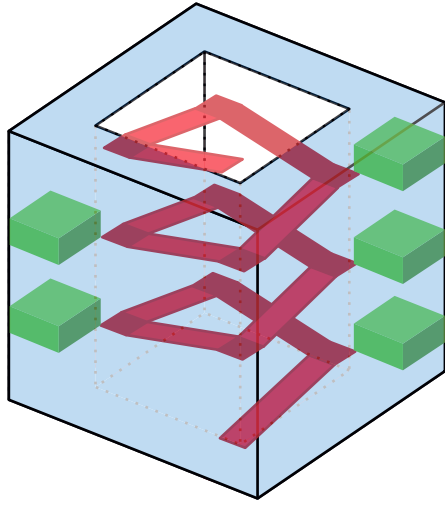


**OUTER RIM OF OFFICES ALLOWING DAYLIGHT ENTRY  
AND CENTRAL OBSERVATION**

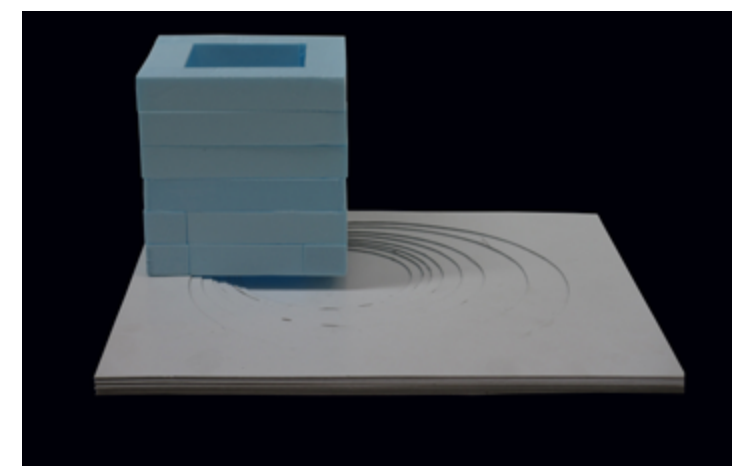
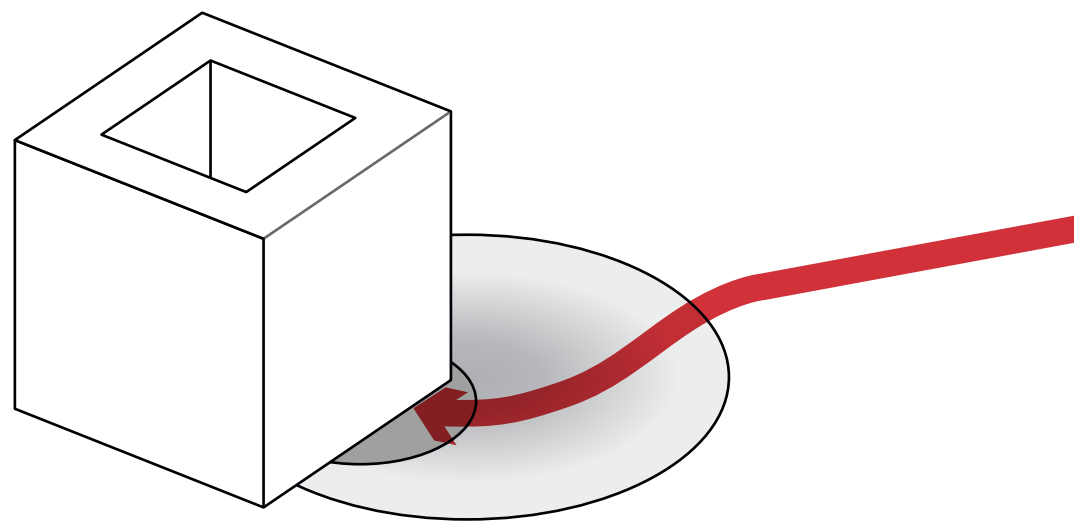


**CENTRAL ATRIUM FROM WHICH THE PUBLIC CAN  
VIEW THE POLITICAL MACHINE**



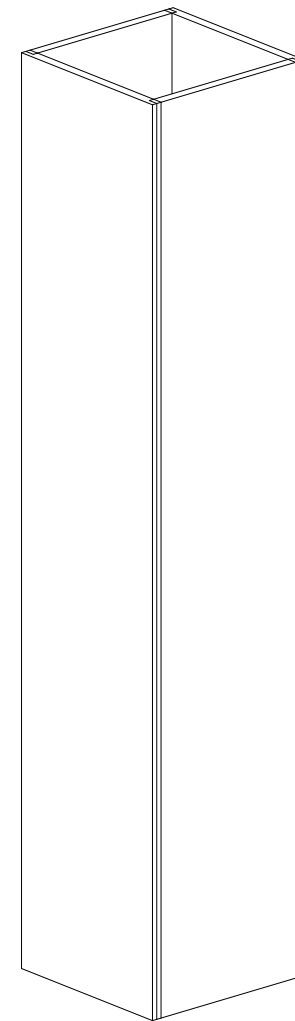
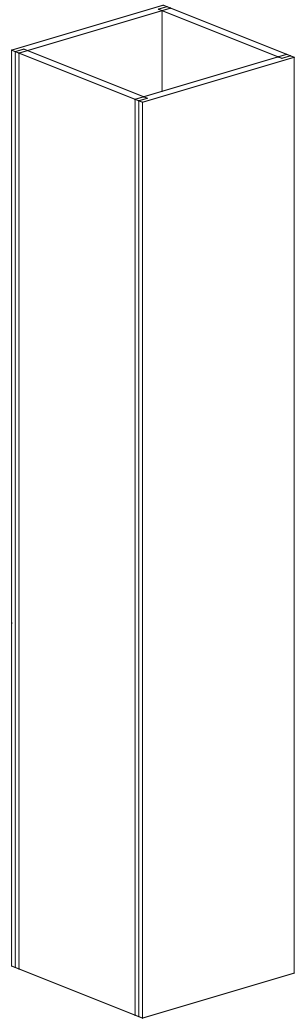


NEW GRADIANT OF WHAT IS PUBLIC AND PRIVATE  
FOR THE POLITICANS

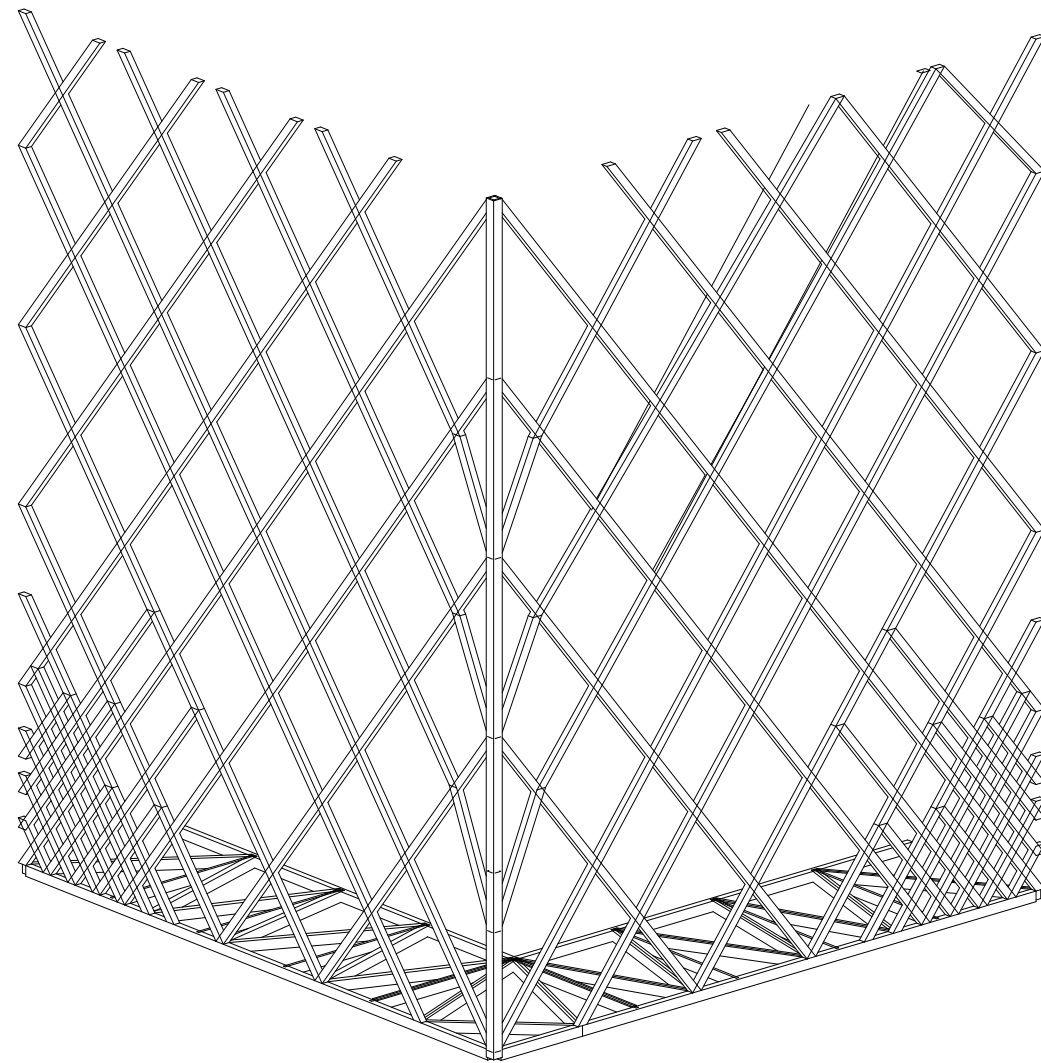


**TURNING THE BUILDING INSIDE OUT,  
CONGREGATIONS AND DEMONSTRATIONS AT THE  
HEART OF THE BUILDING**

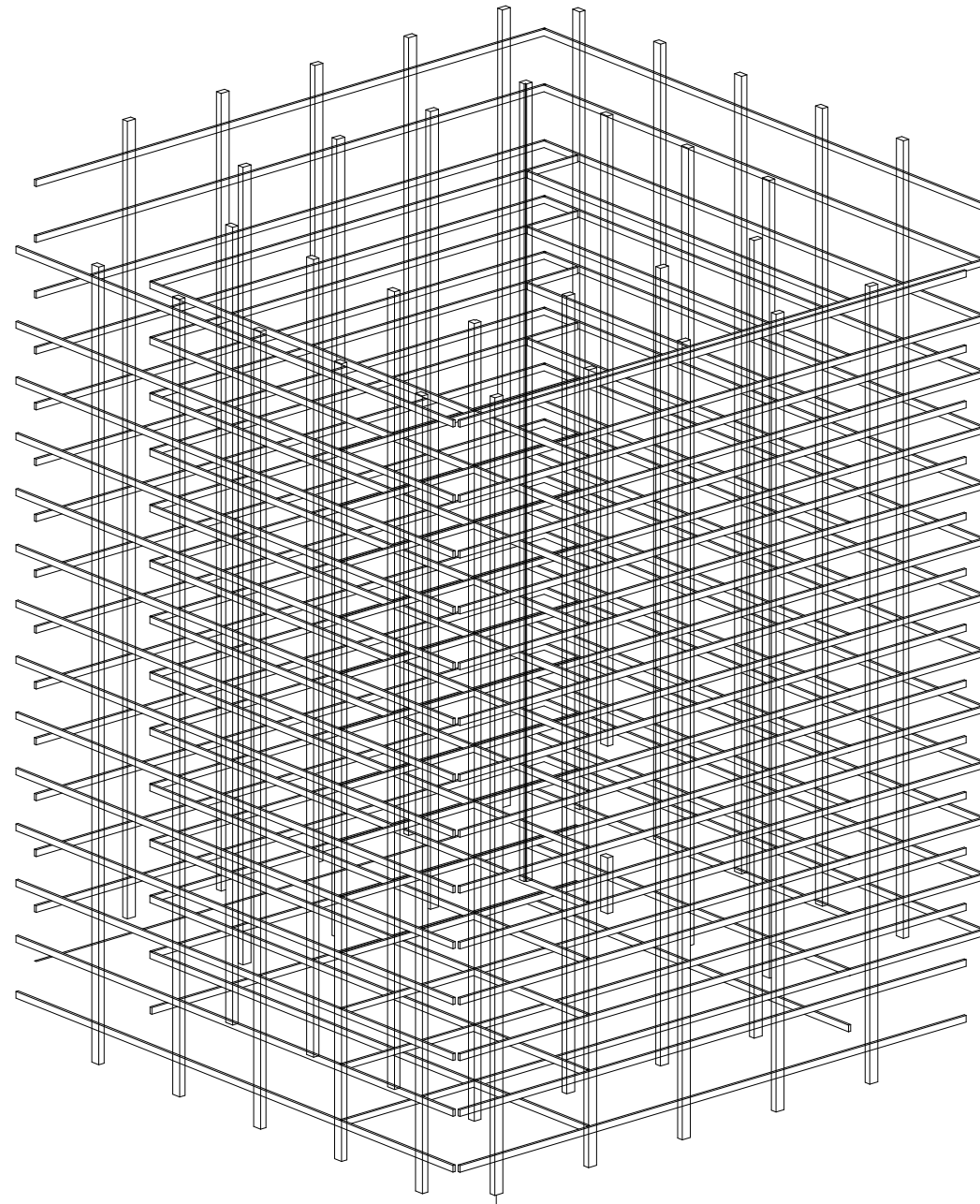
**DESIGN**



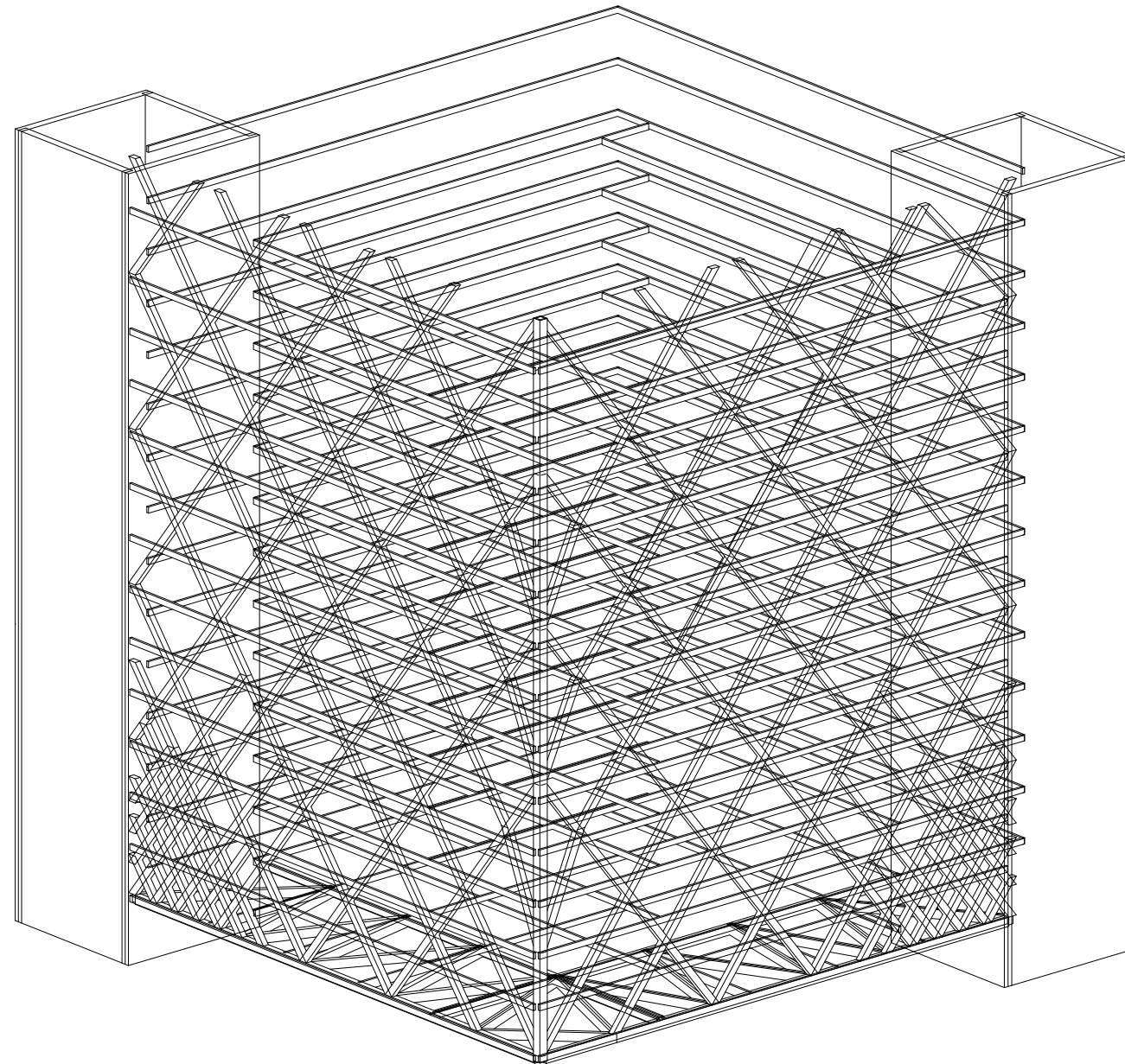
**TWO CORNER CORES**



**CANTILEVER DIAGRID**

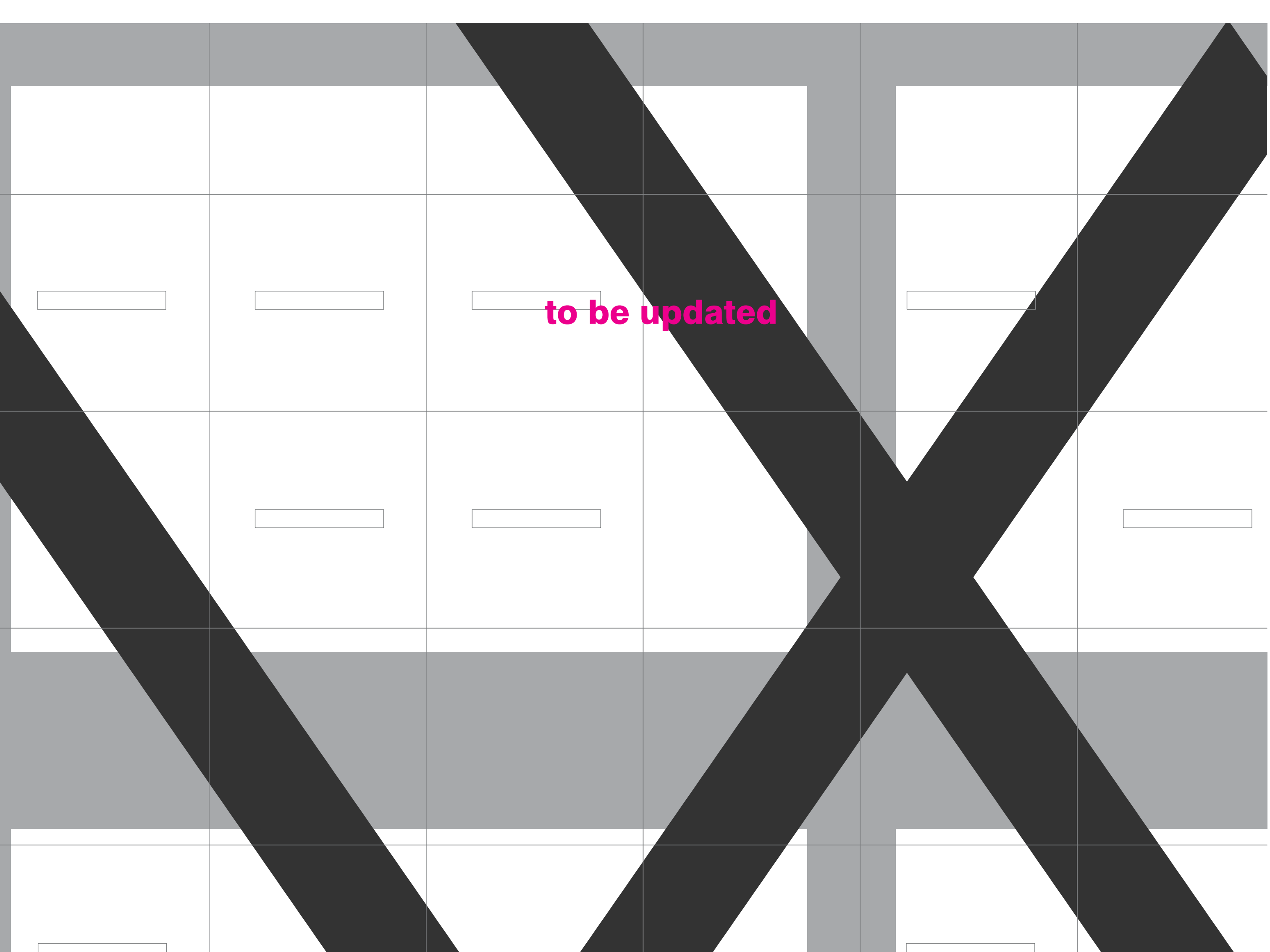


**SECONDARY CONSTRUCTION**



**STRUCTURAL SYSTEM OF THE CANTILEVER**



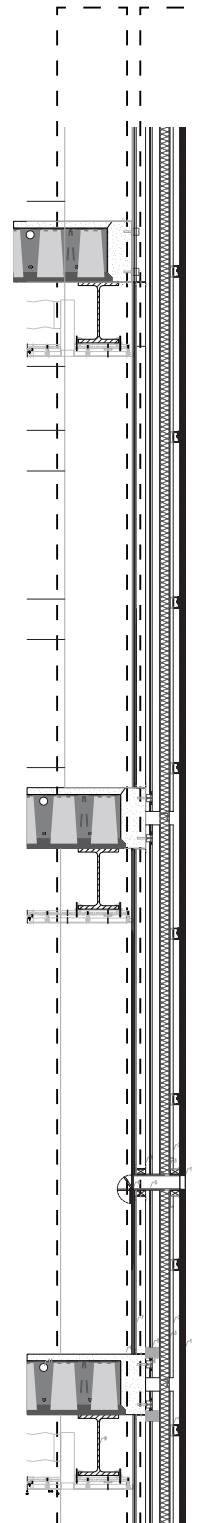


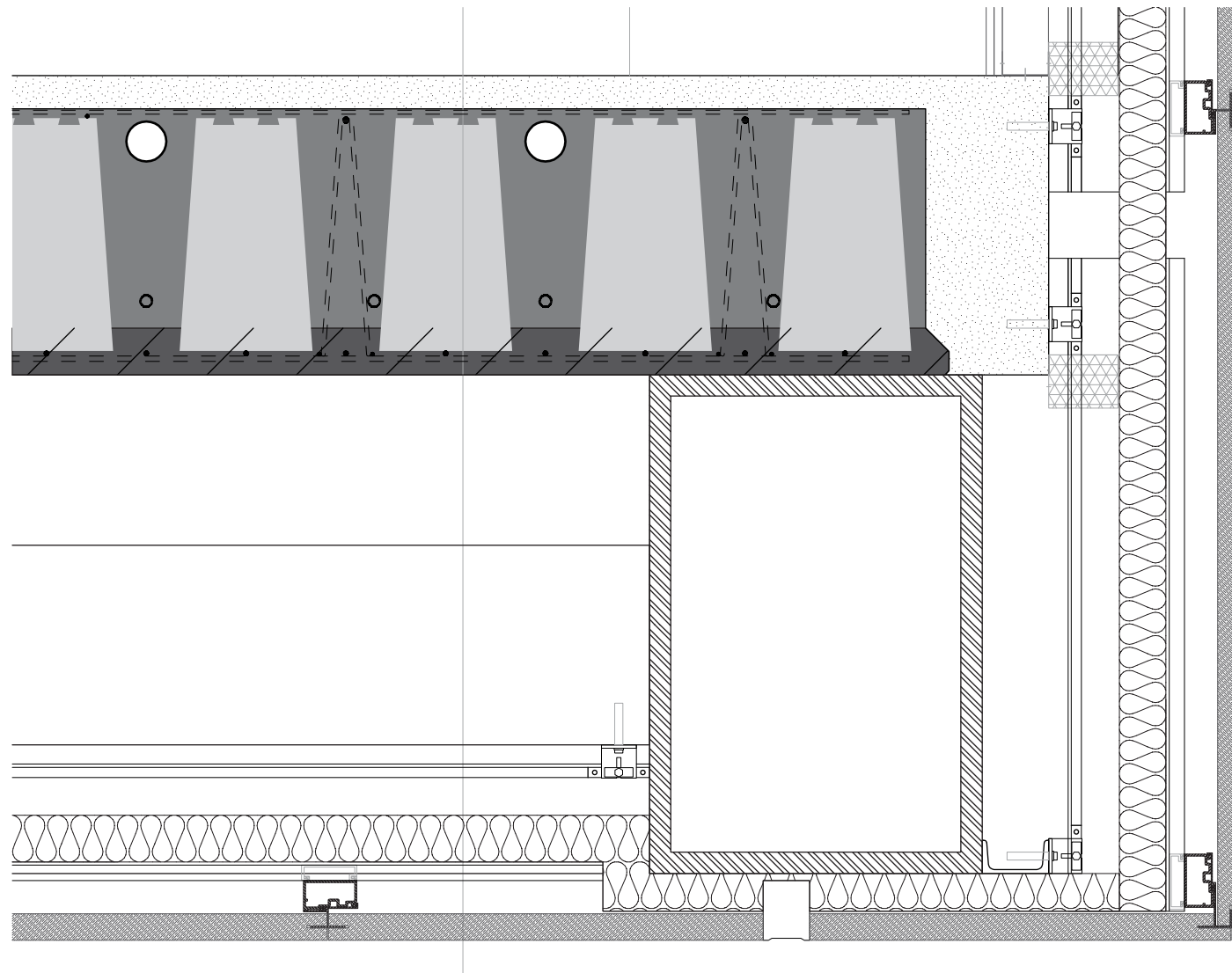
to be updated

CONSTRUCTION ZONE

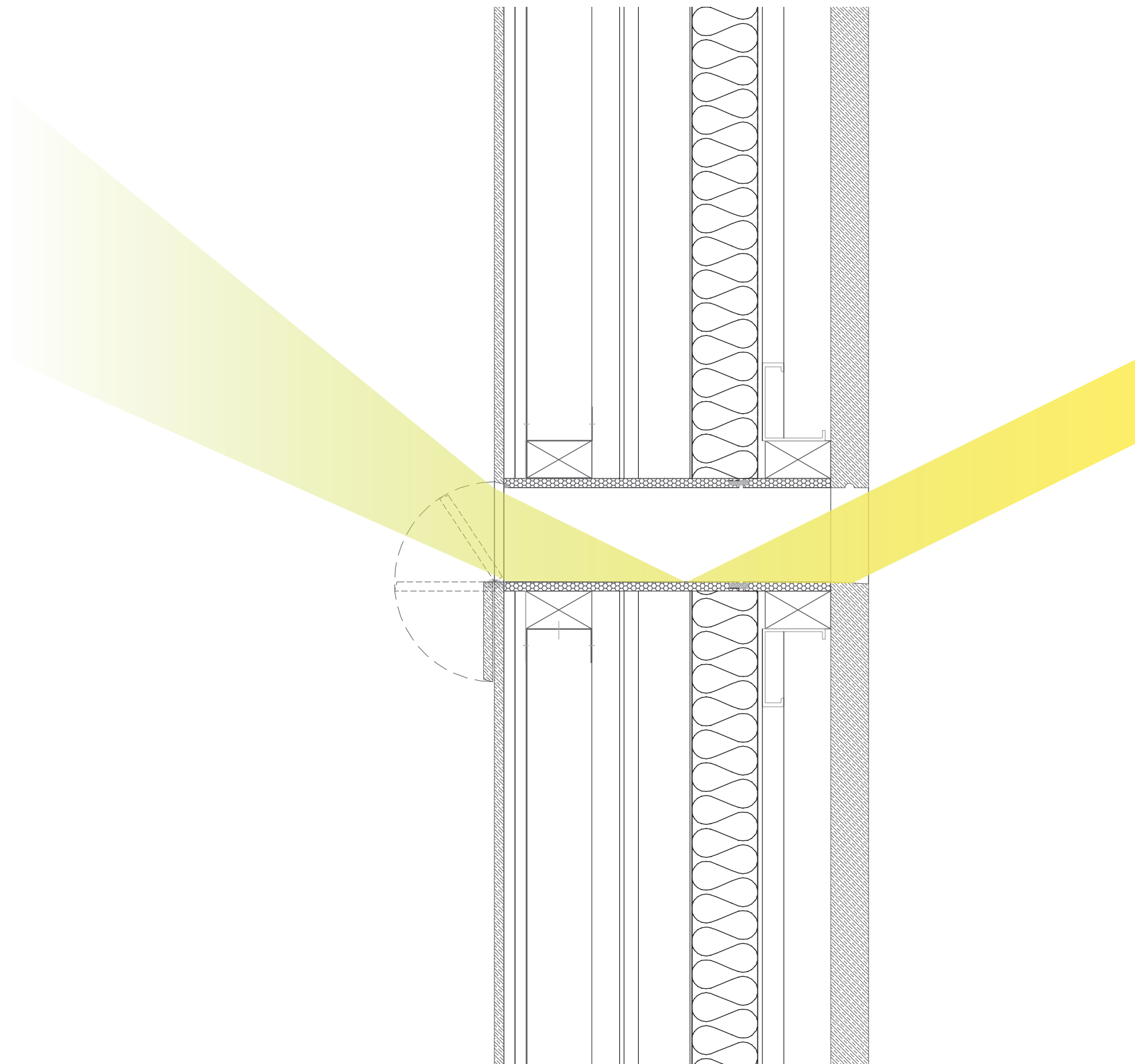
FACADE ZONE

**CONSTRUCTION AND FACADE SYSTEM**

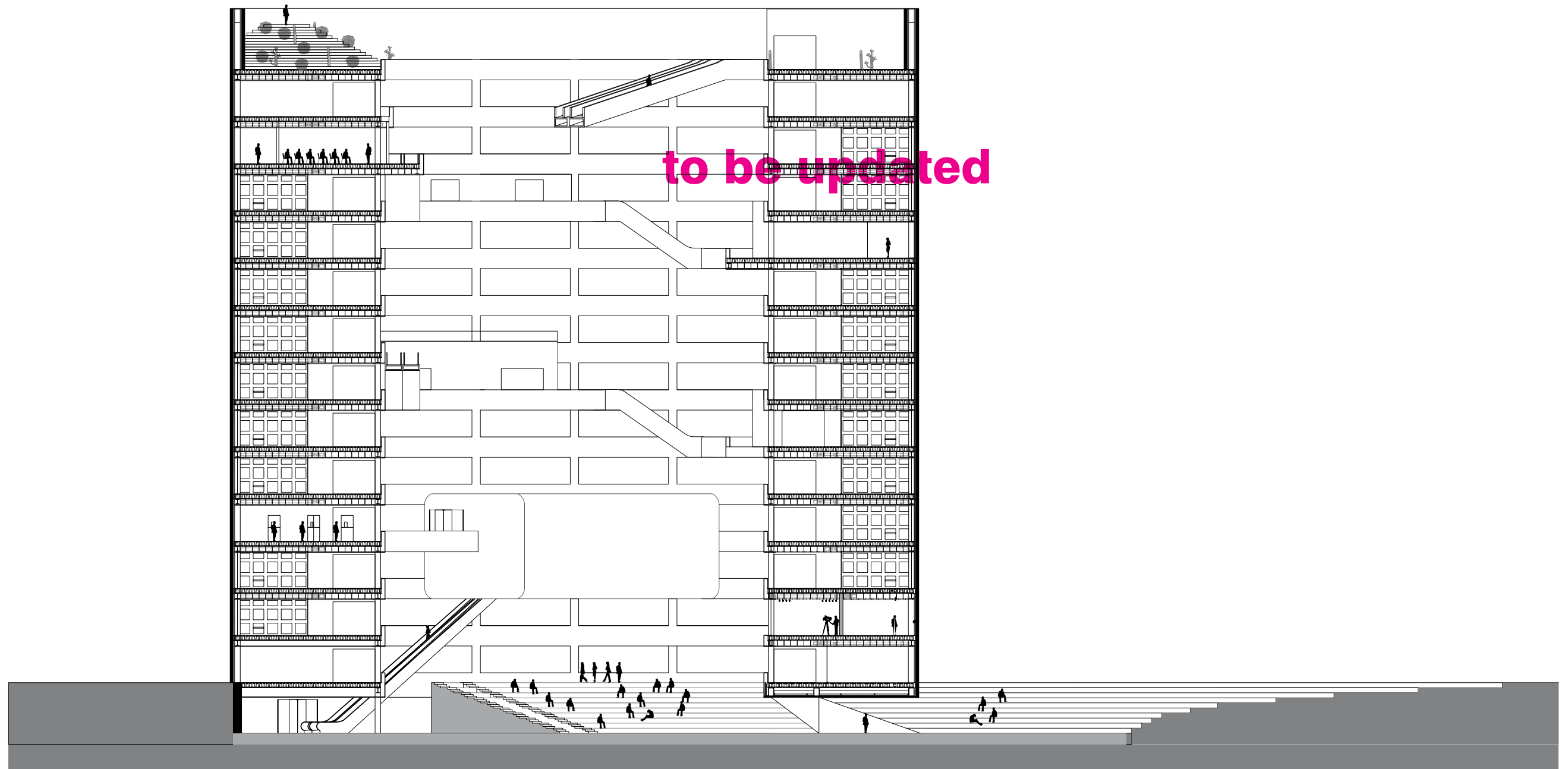




**CONSTRUCTION AND FACADE SYSTEM**



**INDIRECT LIGHTING**



INDIRECT LIGHTING



**BALANCING MASS**

**to be updated**

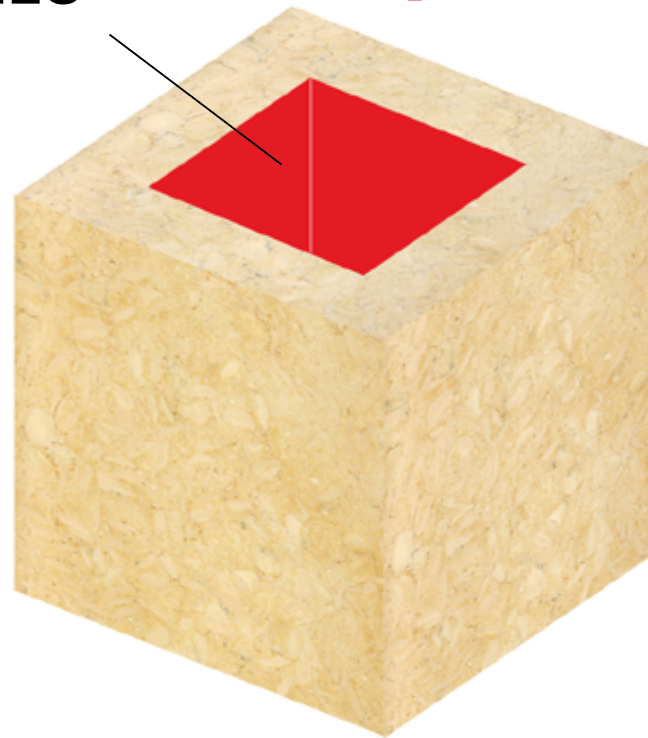


**MASSIVE BLOCK**



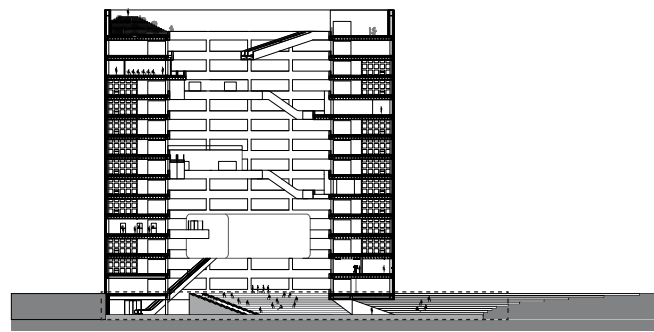
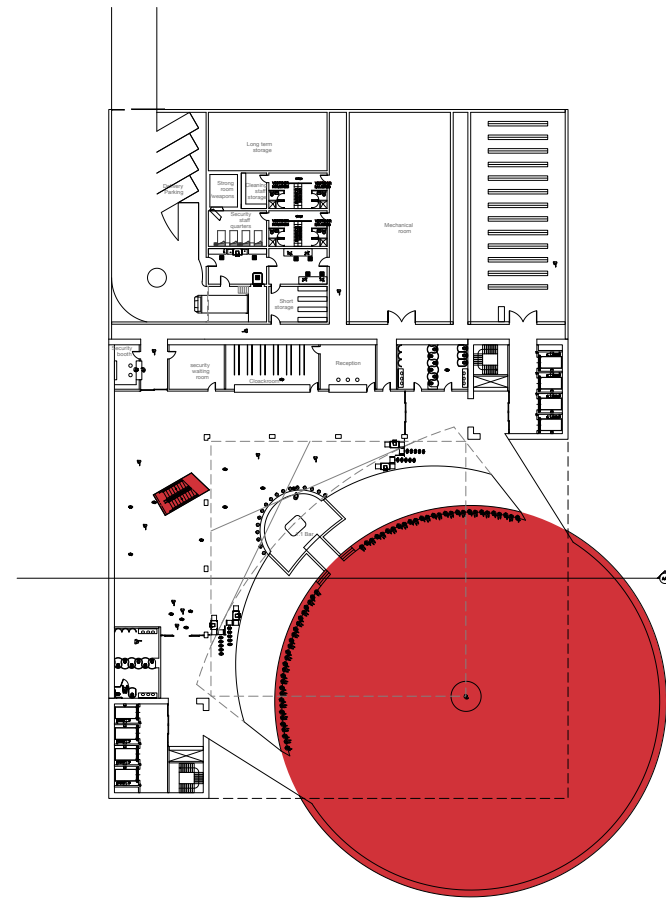
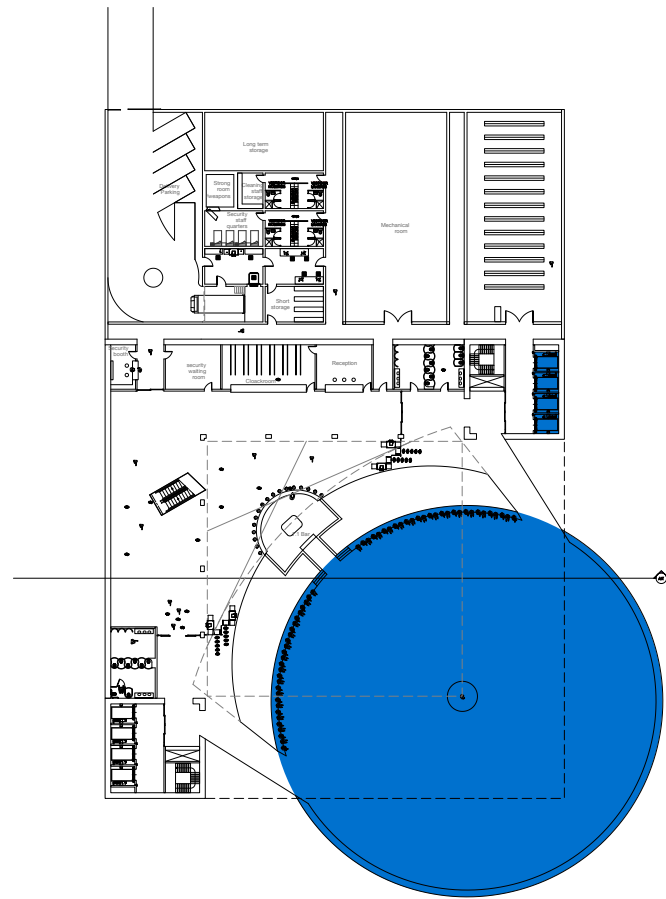
LIMESTONE MASS

CONTRASTING COMPOSITE PANELS **to be updated**

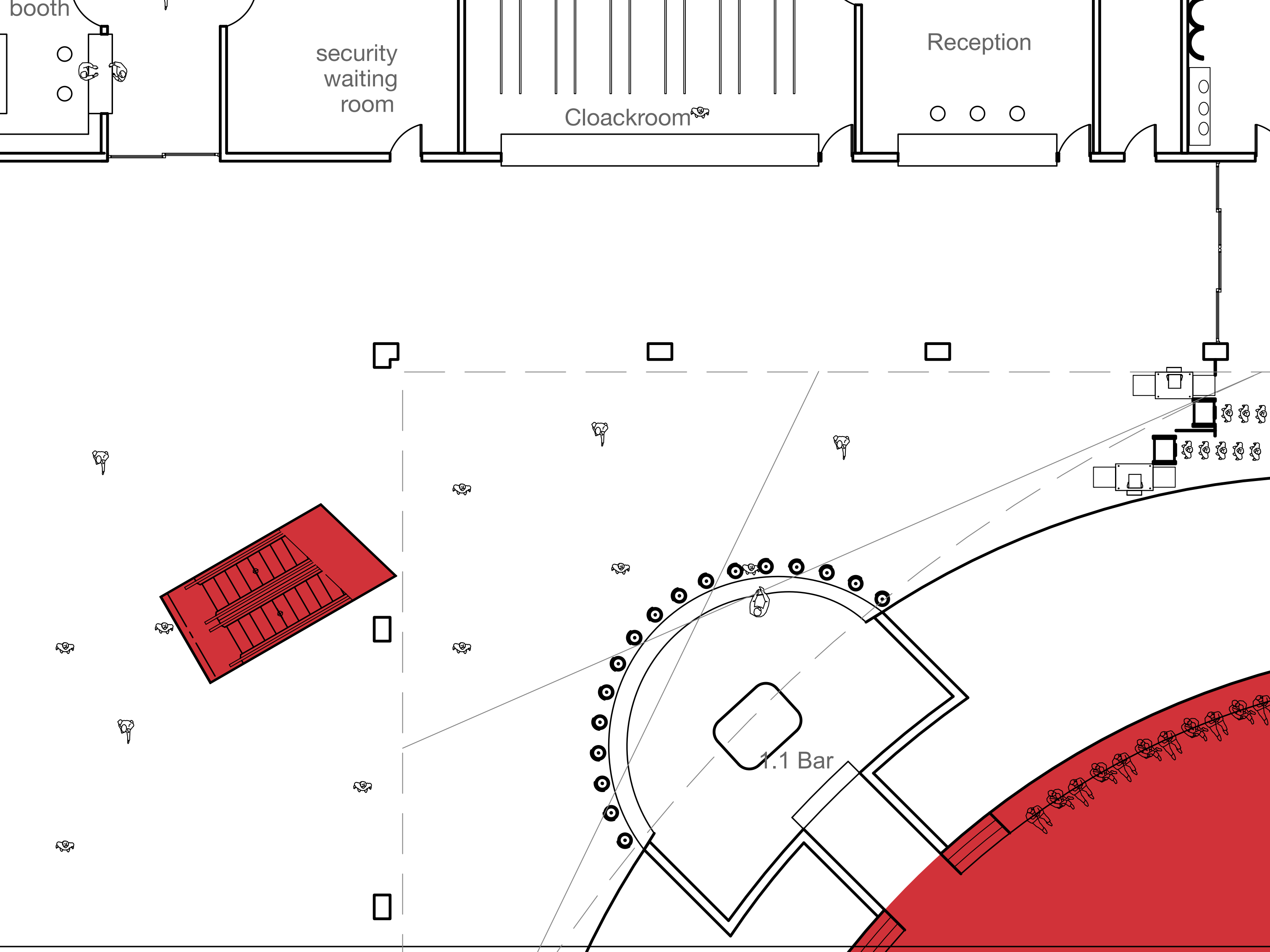


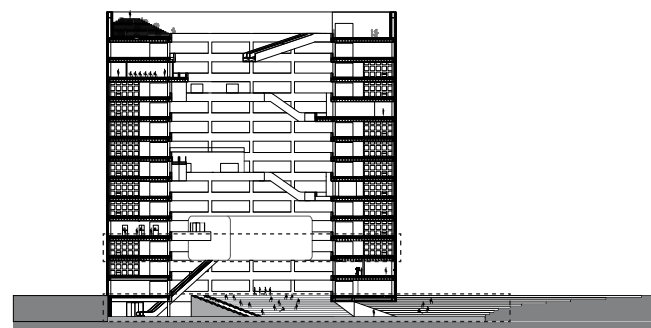
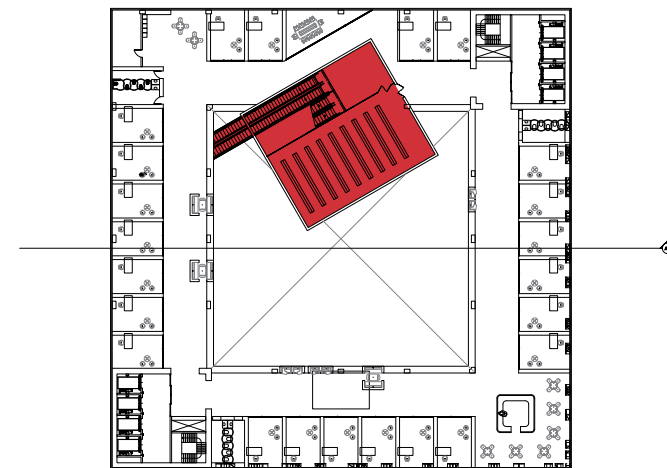
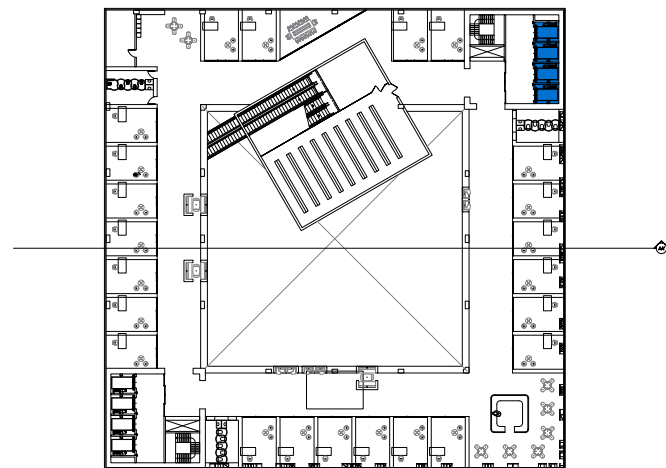
PUBLIC CORUPTION

**to be updated**  
WALKTHROUGH

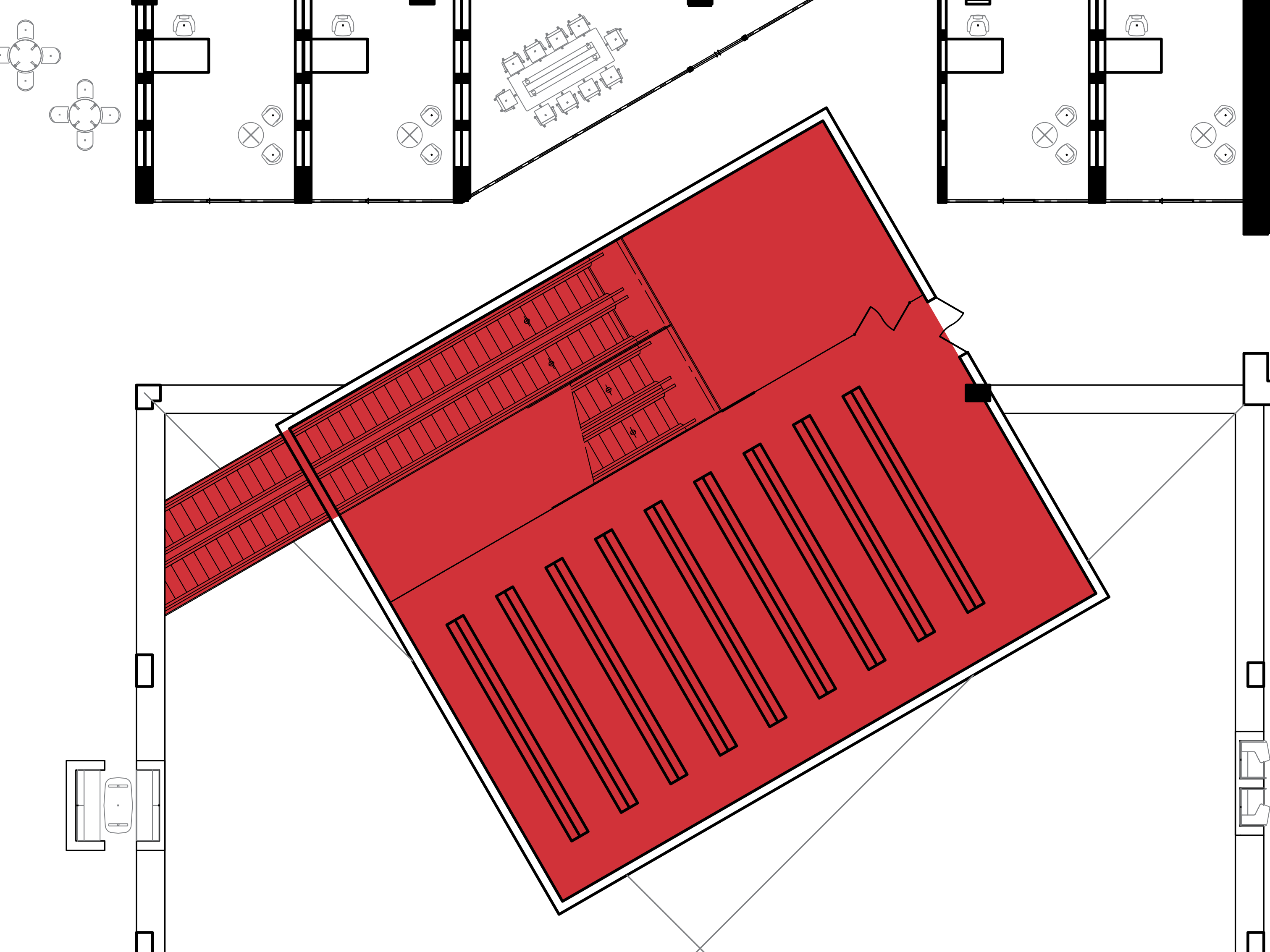


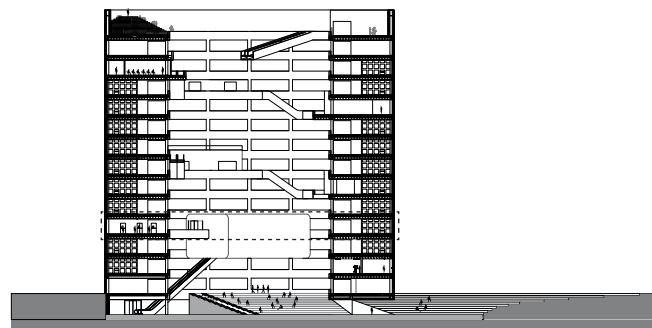
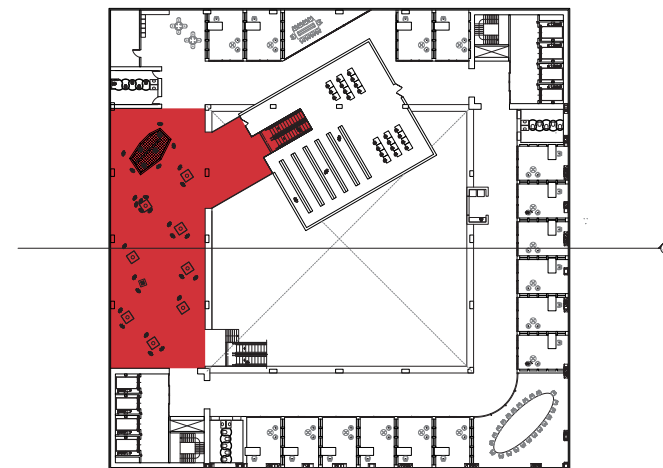
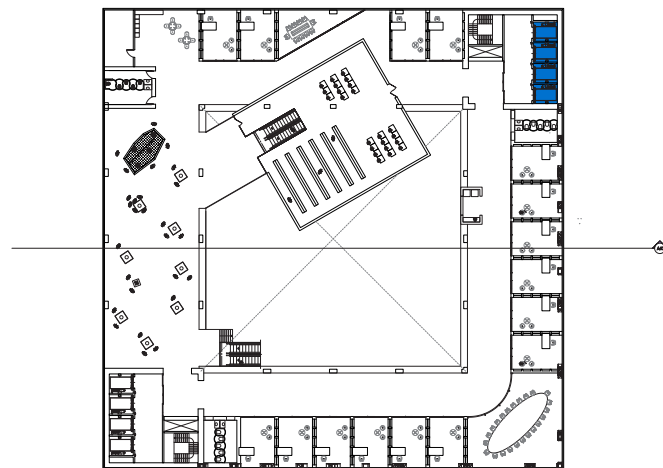
WALKTHROUGH - LEVEL -1



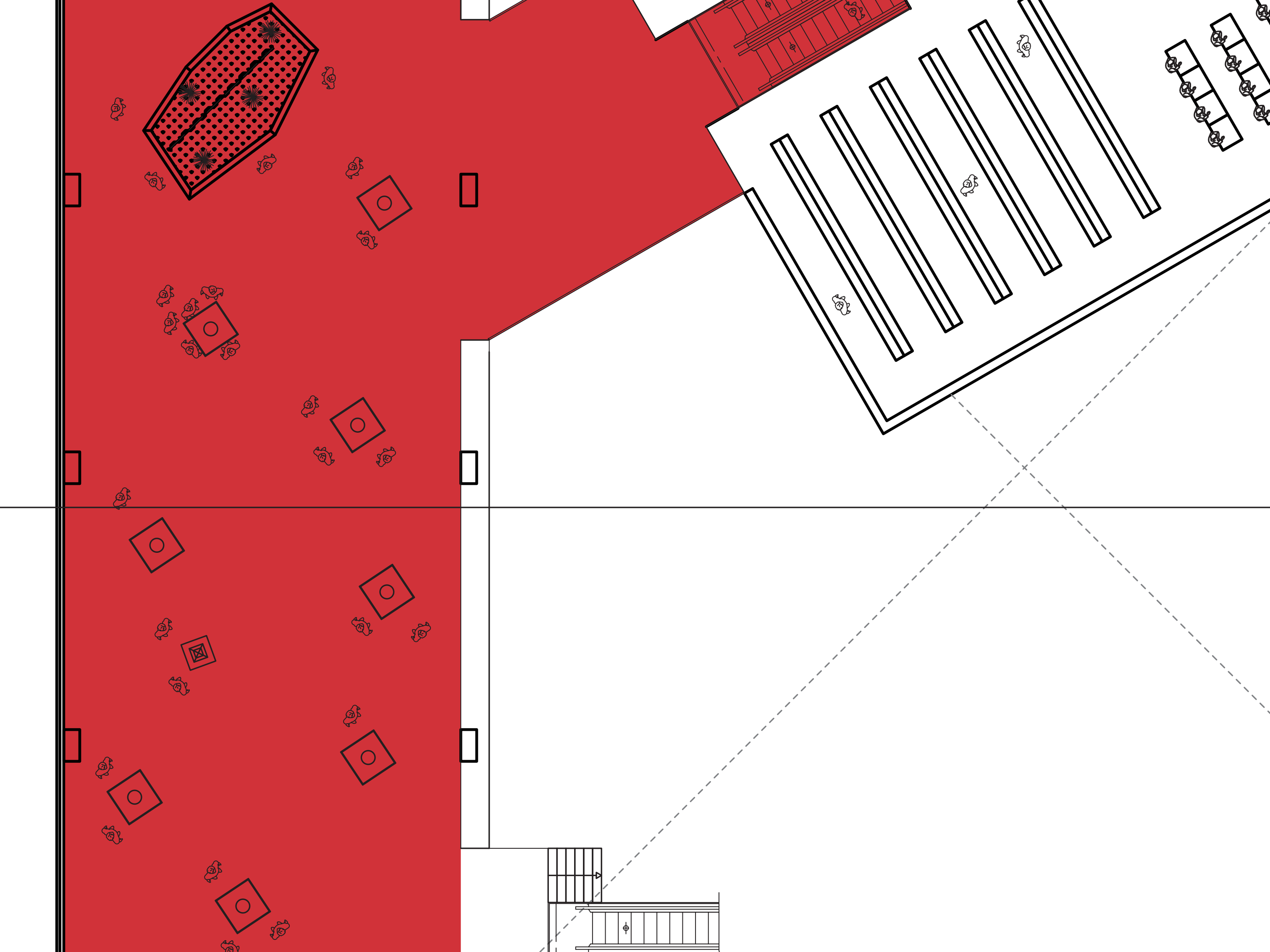


**WALKTHROUGH - LEVEL 3**

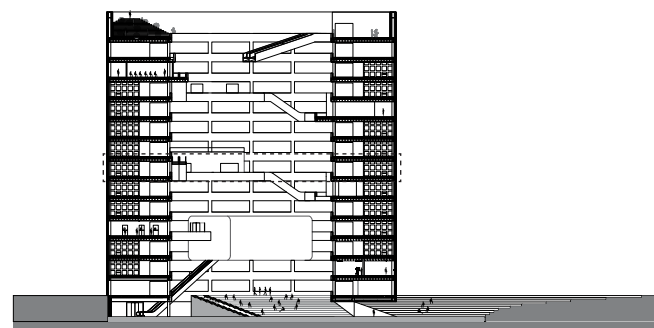
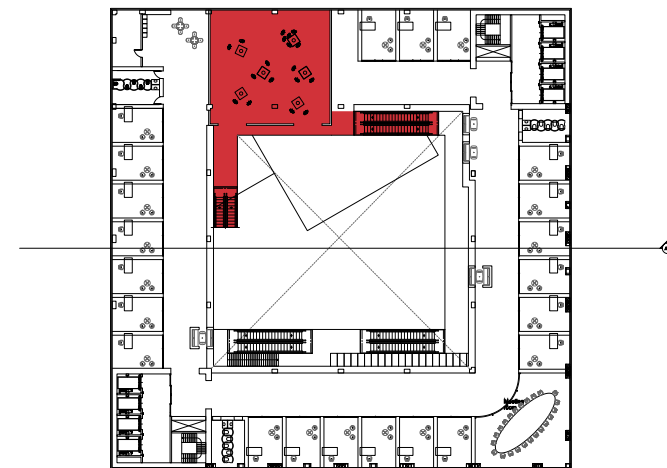
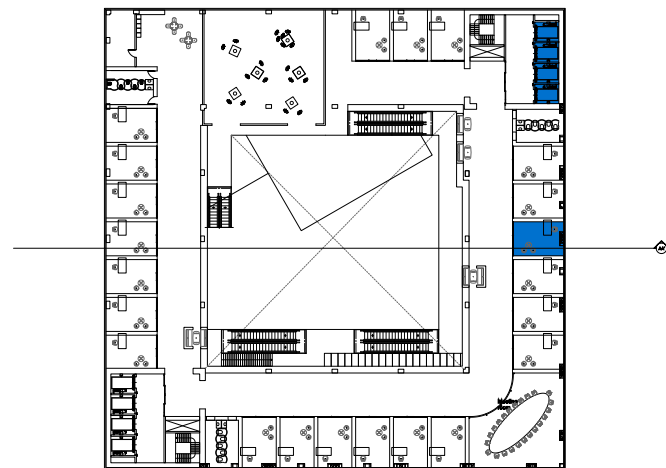




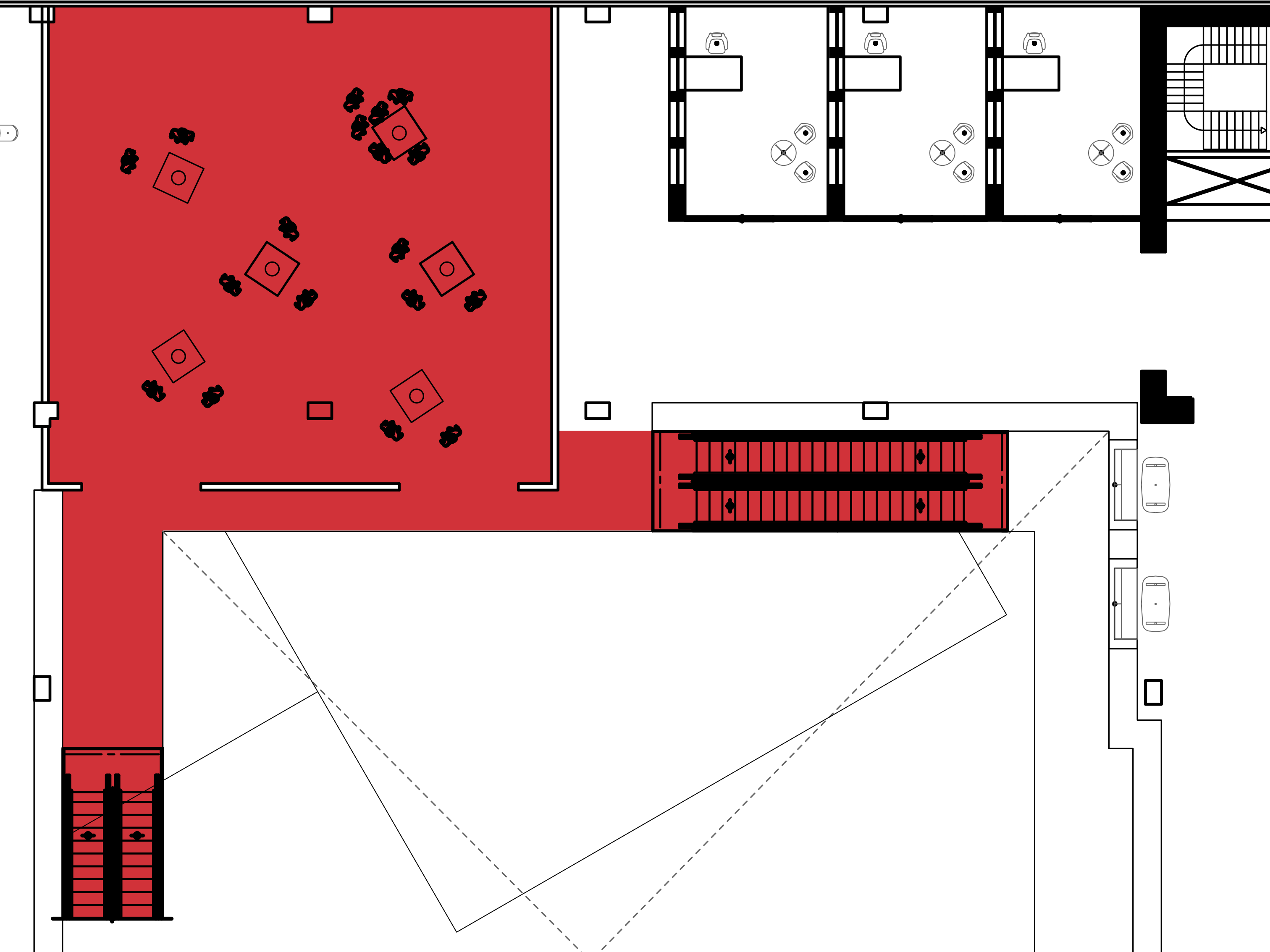
**WALKTHROUGH - LEVEL 4**

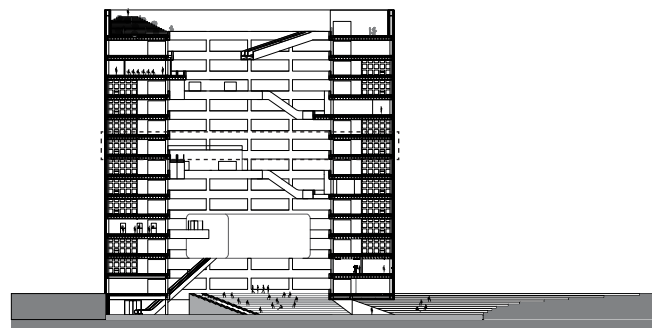
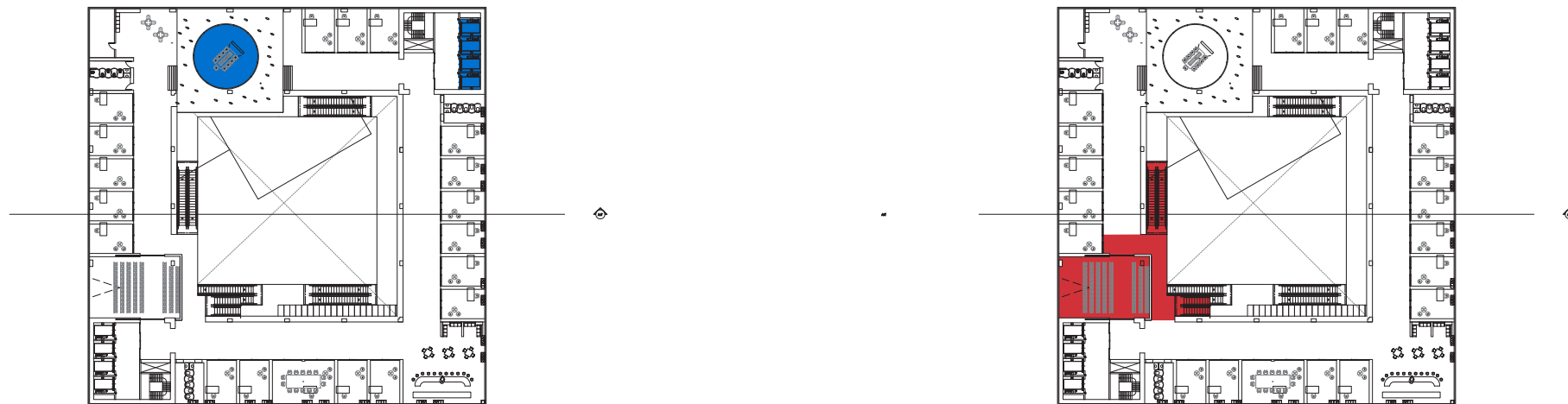




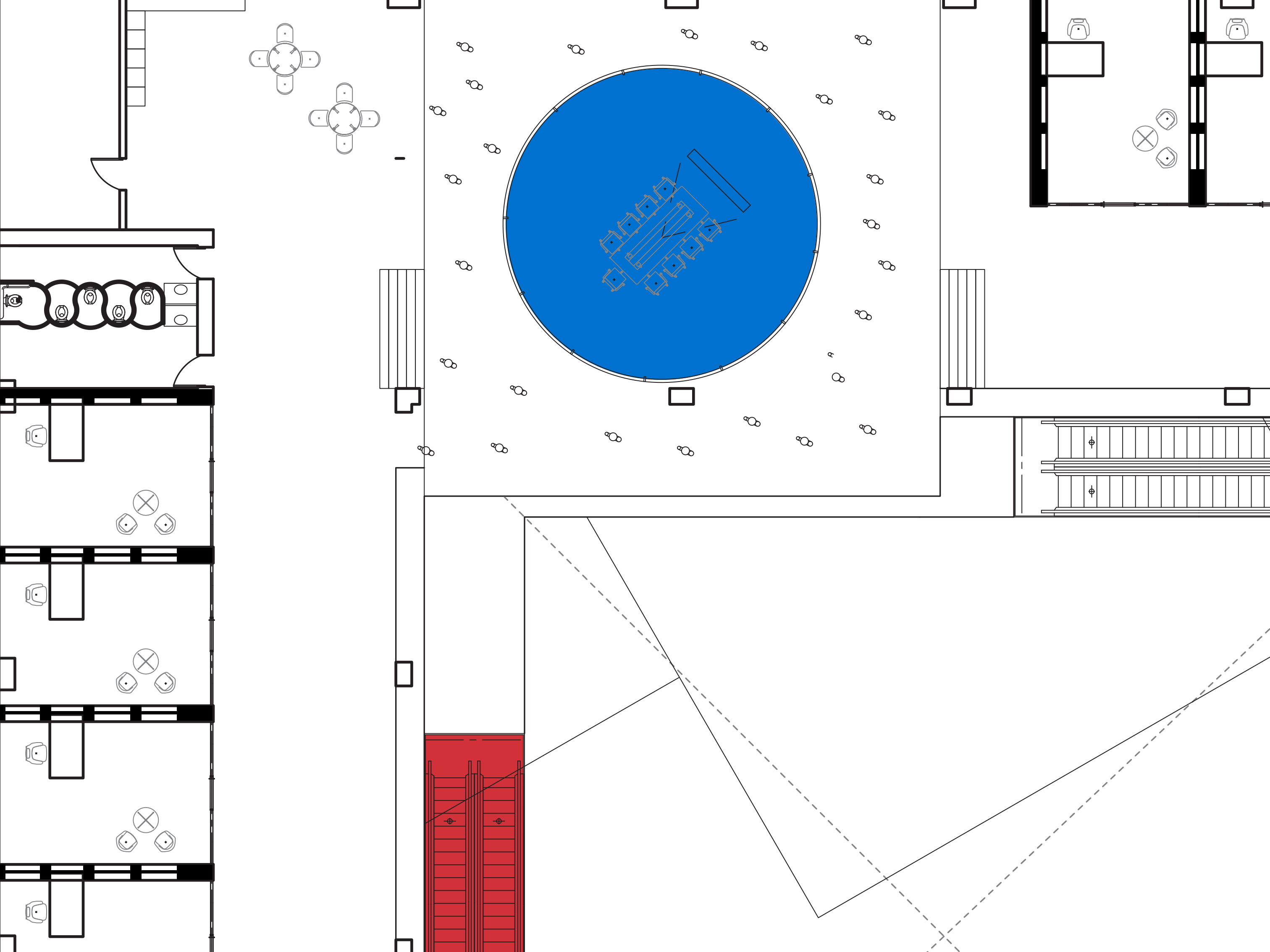


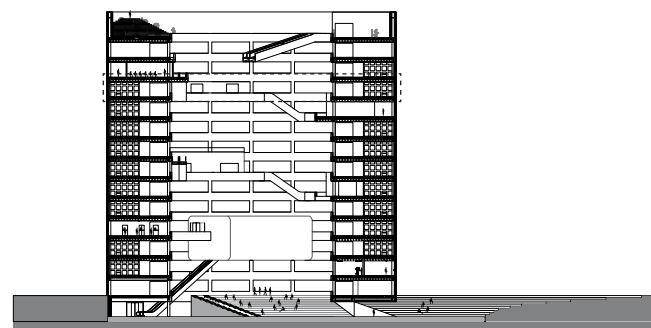
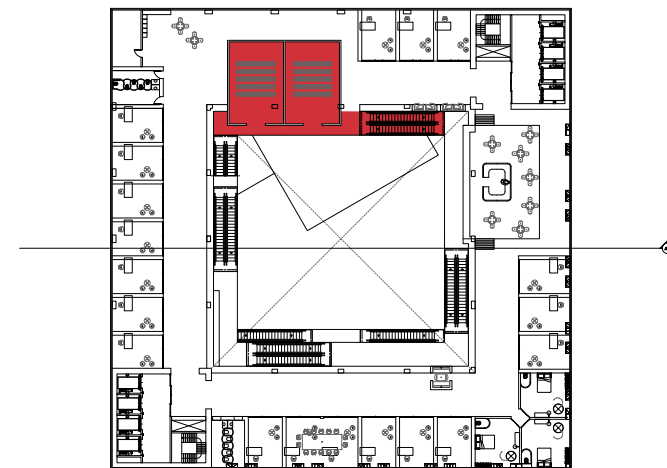
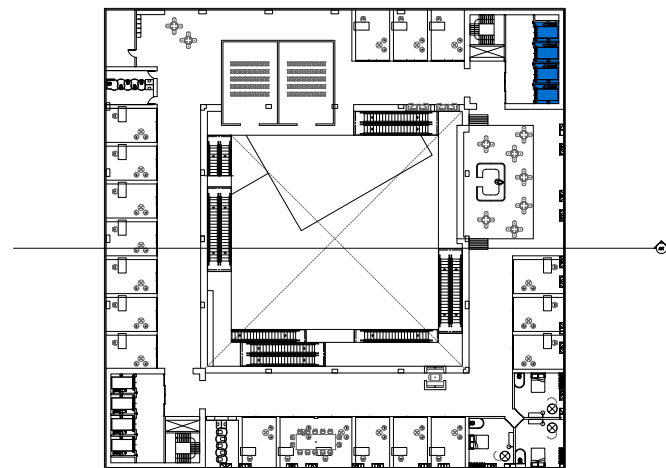
**WALKTHROUGH - LEVEL 6**



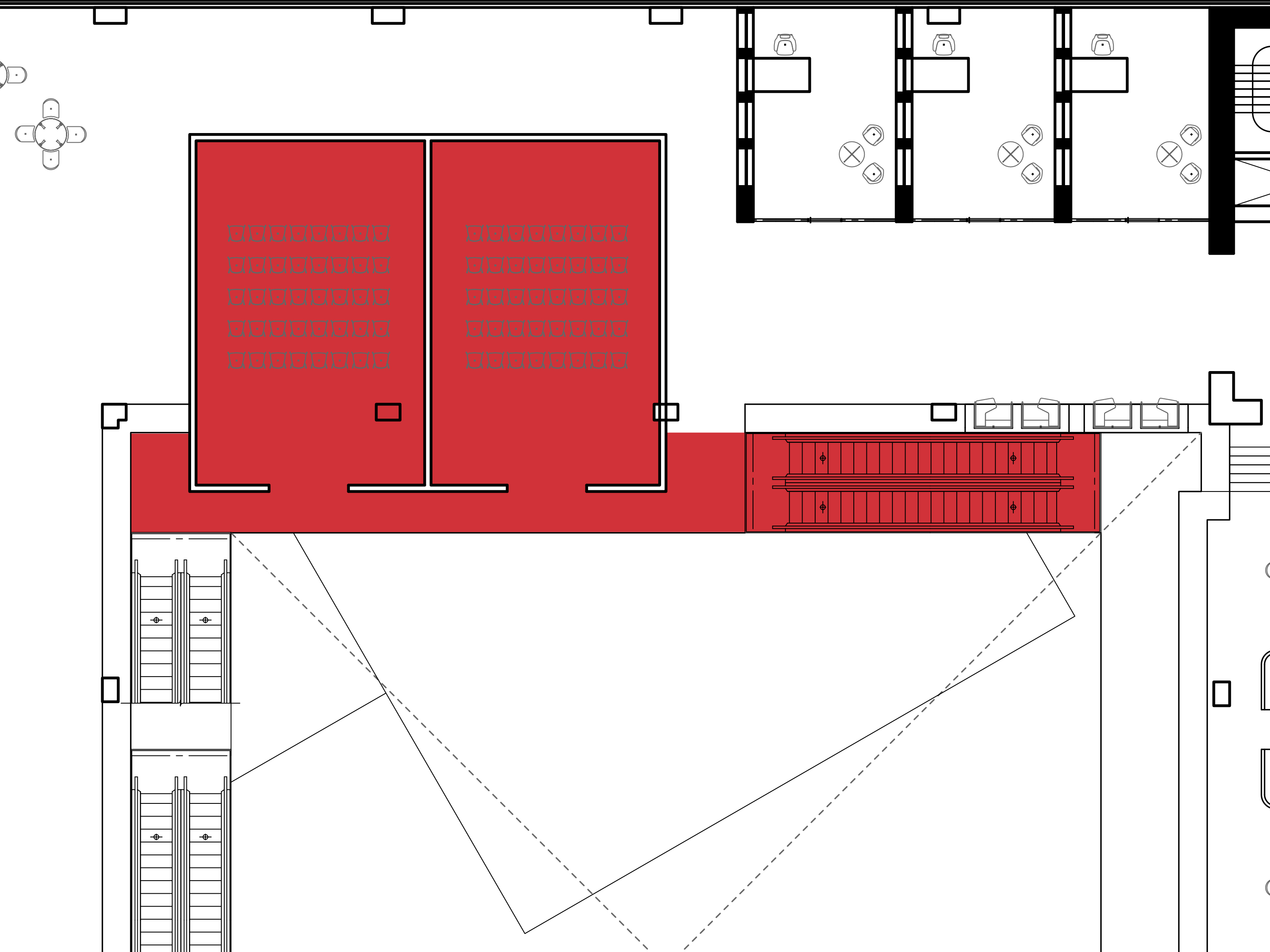


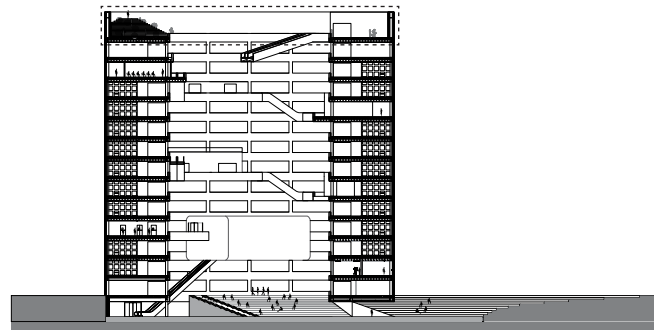
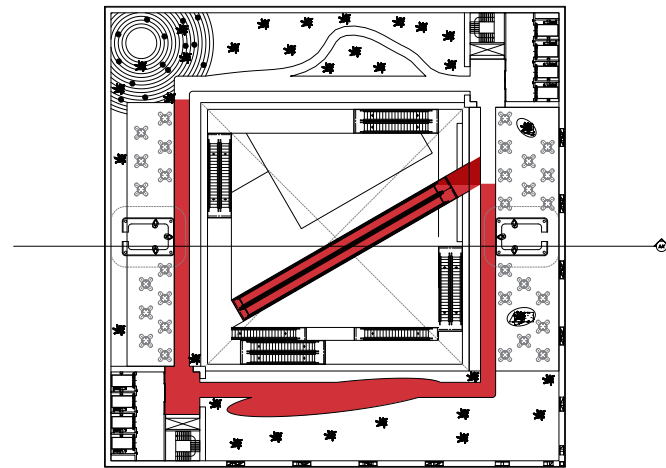
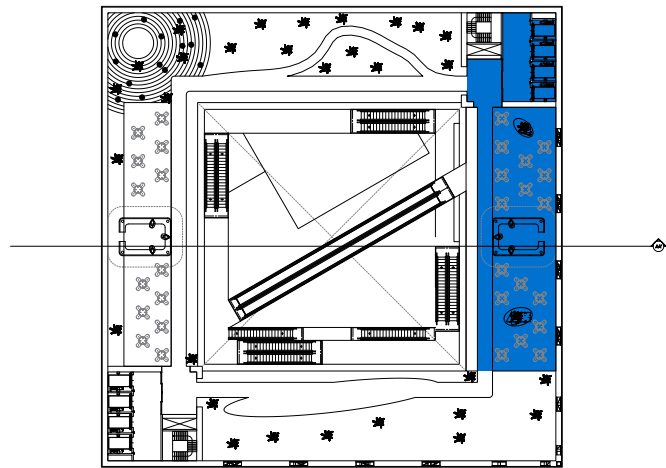
WALKTHROUGH - LEVEL 7



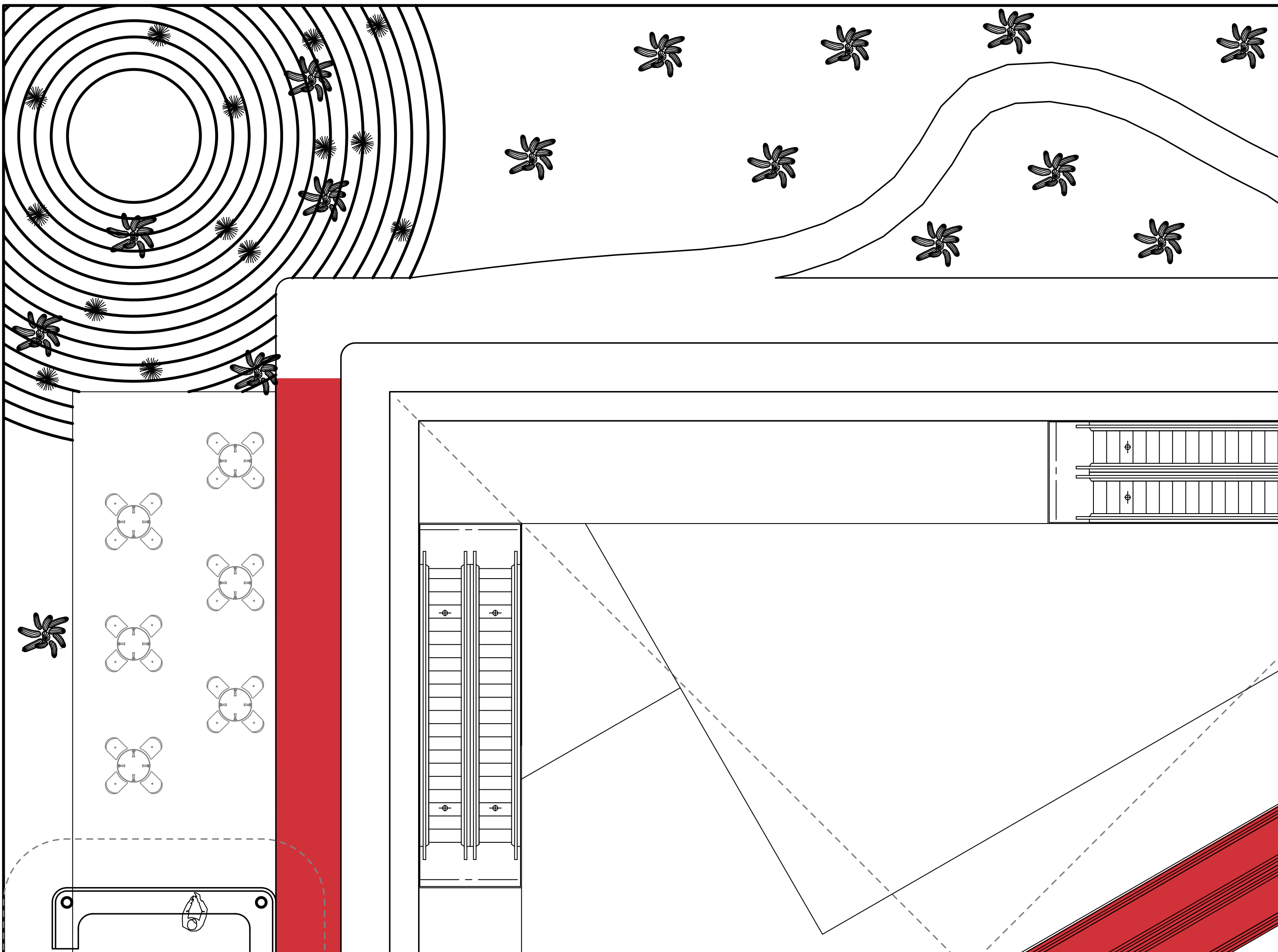


WALKTHROUGH - LEVEL 10





WALKTHROUGH - LEVEL 13



**to be updated**



# PARLIAMENT OF THE UNITED TRANSBORDER FEDERATION

P4 PRESENTATION  
21 MAY 2015, DELFT  
SEBASTIAAN BUITENHUIS

