

ALAMAR'S MATERIAL WAREHOUSE



*‘ Worker, build your own machinery!’
(Ernesto Che Guevara)*

Wesley Verhoeven

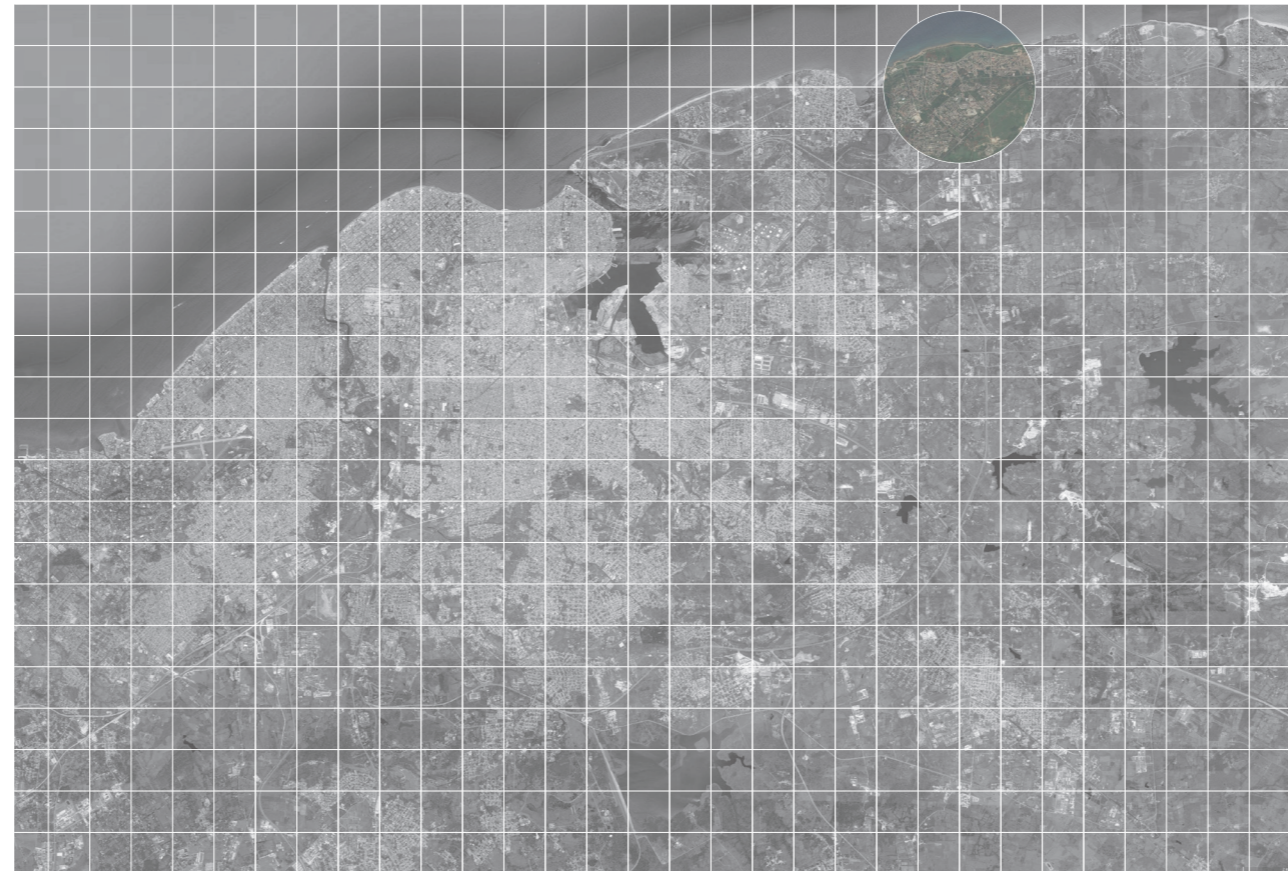
Complex Studio : Havana
Tutors : Olindo Caso & Gilbert Koskamp

INTRODUCTION



CUBA - HAVANA

HABANA DEL ESTE



Outskirt Alamar, isolated from Havana

CUBAN REVOLUTION

1960



*' Revolution is not a bed of roses.
Revolution is a battle between the past and the future'
(Fidel Castro)*

ALAMAR

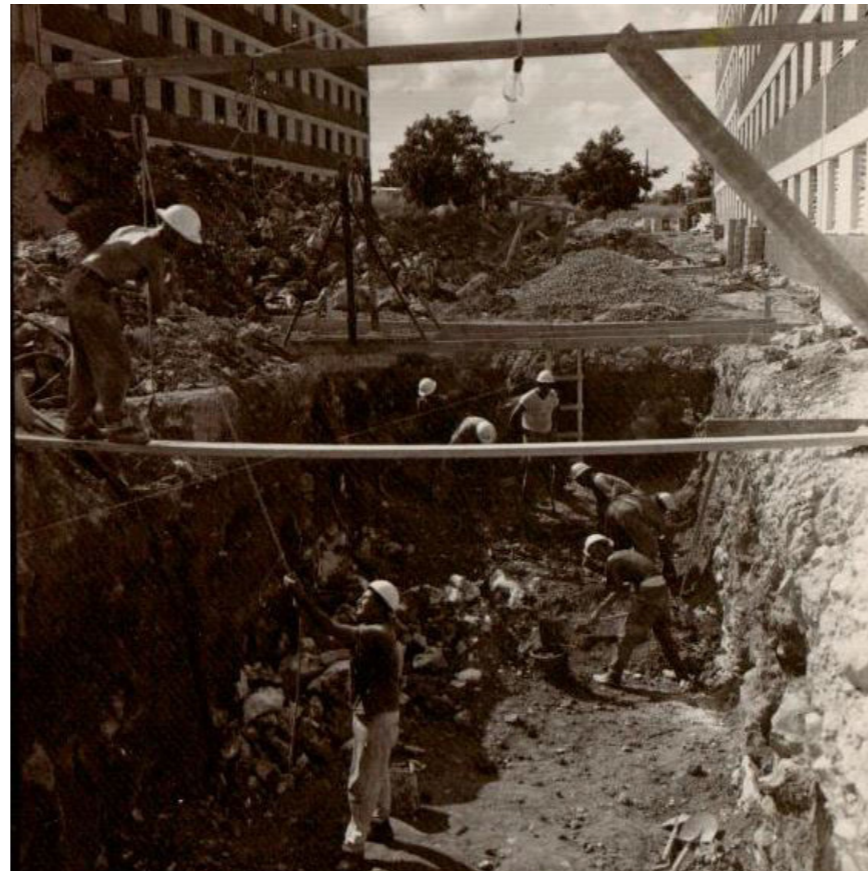
CITY OF THE FUTURE



Alamar is the only large scale physical manifestation of the revolution.

MICROBRIGADES

1972



*New town
Self-build housing*

ALAMAR IDENTITY

SPECIAL PERIOD



*Self-build sheds
(local craftsmanship of reuse)*



*Organopónico's
(self-sufficiency)*



*Counter culture
(scrap-artists, musicians, poets)*

CURRENT SITUATION



PHYSICAL STRUCTURES

CURRENT STRUGGLES



No hierarchy and lack of diversity



No jobs (bedroom community)



Undefined and vacant spaces

MENTAL STRUCTURES

CURRENT STRUGGLES



“This one is a neighborhood of 100% marginal people, even if they have culture, even if they have everything,... when your workplace is not in your city and you need to move out, not only are you marginal, that means that they have marginalized you! “

*Doble Forza - Ogino Knauss
(documentary on Vimeo about Alamar)*

ALAMAR PROBLEMS

TRASH



Trash among Alamar coast



Trash among Alamar streets

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Havana Times en Español

Jimmy Roque Martínez: I was born in Havana in 1979, and it seems that work has been my sign. Custodian, fish farmer, lens carver, welder, glass maker, optometrist, have been some of my trades. But none consumes as much of my time as caring for my family. For many years I've faced the least pretty face of this society, and I try to be happy while I transform it. I am too shy. I like silence, sleep, theater and movies. I hate injustice and arrogance, and I can hardly contain my anger when it happens in front of me.

Alamar, Havana Streets Turned into a Great Dump

August 29, 2016 | Print |

By Jimmy Roque Martínez

HAVANA TIMES — A tour through the streets of Alamar by the environmental project *El Guardabosques*, revealed dozens of garbage pick up points that were overflowing with garbage throughout the sprawling housing projects, located on the east side of Havana.

Although it's nothing new to see such sights throughout the Cuban capital, it's surprising to see how the situation in Alamar is so widespread, where over 90,000 people live.

The situation is so serious that even Cuban TV's *Canal Habana*, dedicated an entire news report on the subject, showing garbage bins overflowing with

Category Archive

The Cuban Media Is Simply a Disgrace

Alamar, Havana Streets Turned into a Great Dump

Cuba, Pensioners and Respect for the Law

Havana To Downsize Optician's System

Mexico's Interjet Airlines and Damaged Luggage

More posts in 'Jimmy Roque's Diary' »

Category Archive

Martha Graham Dance Company in Cuba

Exploring Cuba (Photo Feature)

Cuba 2016 Photo Contest Finalists

Dub Love Premiere at Havana Ballet Festival

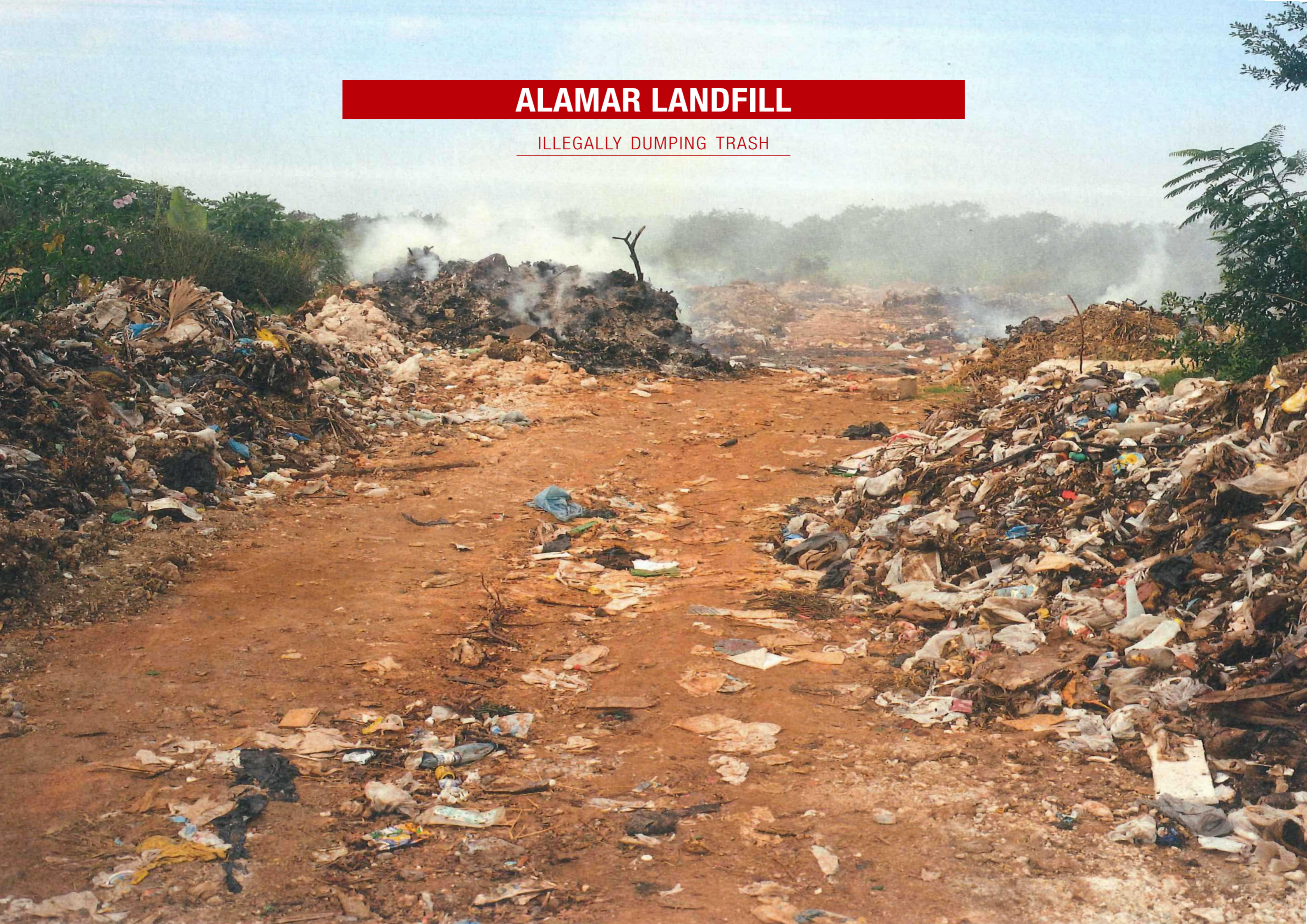
Once Again Flowers for Camilo

More posts in 'Other Galleries' »

Havana Times adressing trash issues

ALAMAR LANDFILL

ILLEGALLY DUMPING TRASH



RESEARCH TOPIC



DISREGARDED MATERIALS (TRASH)

RELEVANCY

WASTE AND RECYCLING

Future cities need to transform their relationship to waste in what is effectively an inversion of the current paradox. It is time that urban dwellers became far more uneasy with the systems that obscure the material scale of waste production, and far more comfortable with its matter so that we can interact with it in a way that is realistic and sustainable.

Not engaging with waste because it is conveniently hidden away, or because it is considered abject, directly inhibits the design and development of socially and environmentally sustainable and resilient cities.

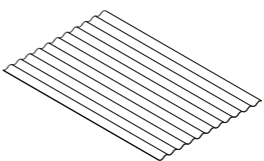
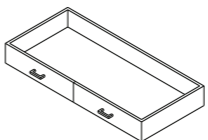
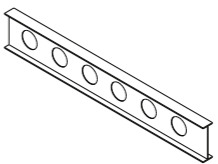
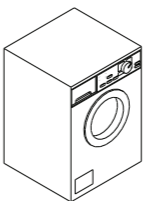
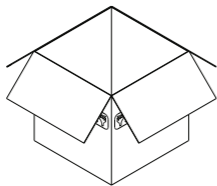
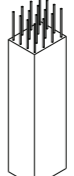
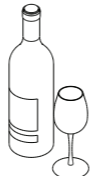
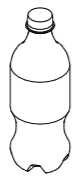
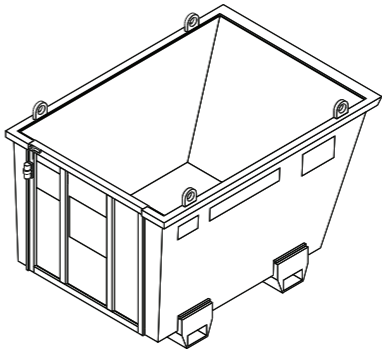
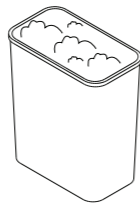
(Global Garbage: Urban Imaginaries of Waste, Excess, and Abandonment)

RESEARCH



WASTE COMPOSITION

TYPES



Household and commercial waste

Bulky and construction waste

WASTE COMPARISON

CUBA - USA



<i>Other</i>	2,0 %
<i>Rubber</i>	0,3 %
<i>Leather</i>	0,5 %
<i>Metals</i>	1,8 %
<i>Glass</i>	2,5 %
<i>Textiles</i>	2,9 %
<i>Wood</i>	3,5 %
<i>Plastic</i>	11 %
<i>Paper</i>	13,3 %
<i>Organic</i>	62,4 %



<i>Other</i>	3,2 %
<i>Metals</i>	9 %
<i>Glass</i>	4,4 %
<i>Textiles</i> <small>incl. rubber and leather</small>	9,5 %
<i>Wood</i>	6,2 %
<i>Plastic</i>	13 %
<i>Paper</i>	26,6 %
<i>Yard</i>	13,3 %
<i>Organic</i>	14,9 %



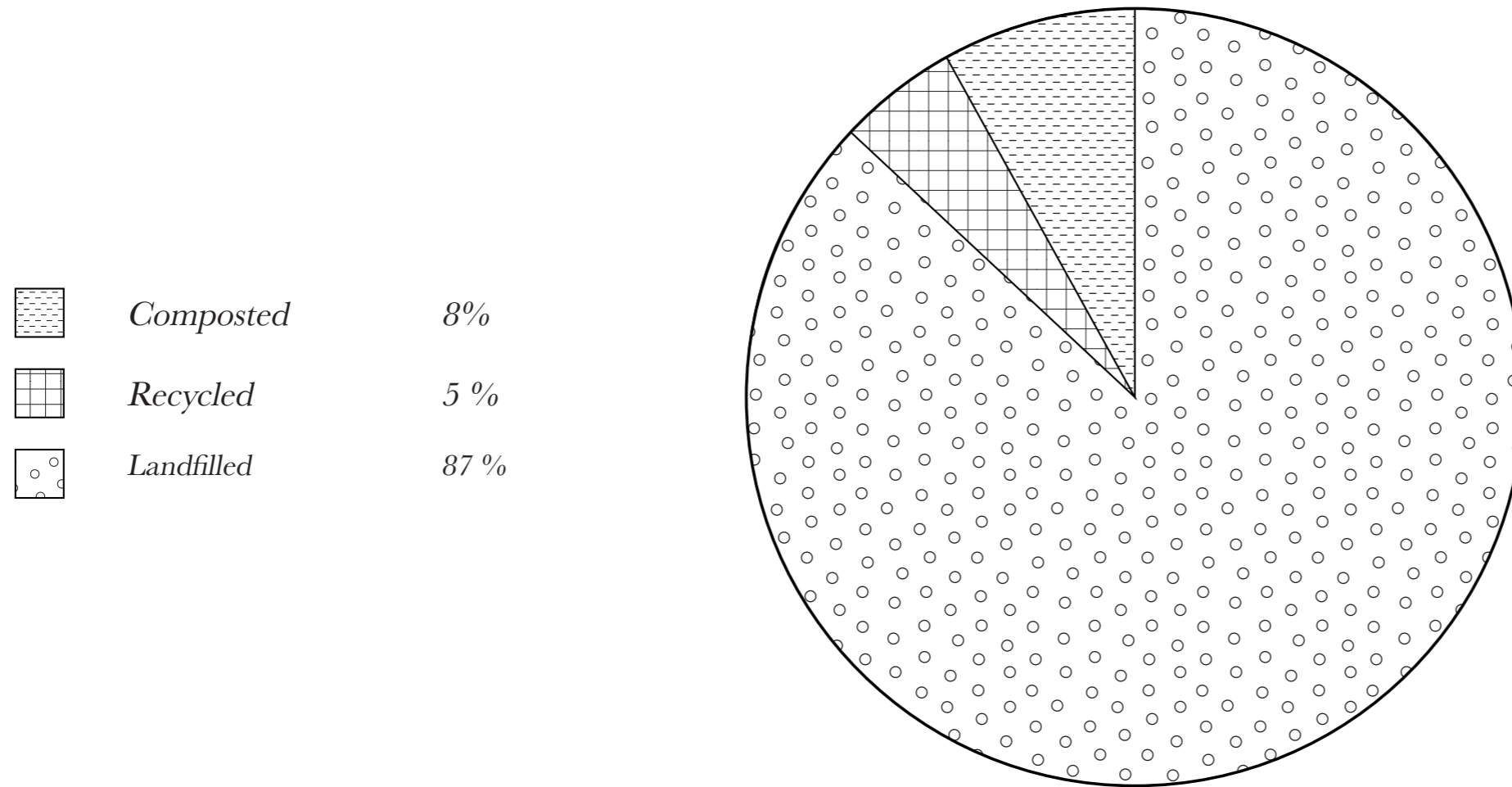
Cuba waste



USA waste

DESTINATION OF TRASH

LANDFILLING



Some waste is illegally dumped in the atlantic ocean

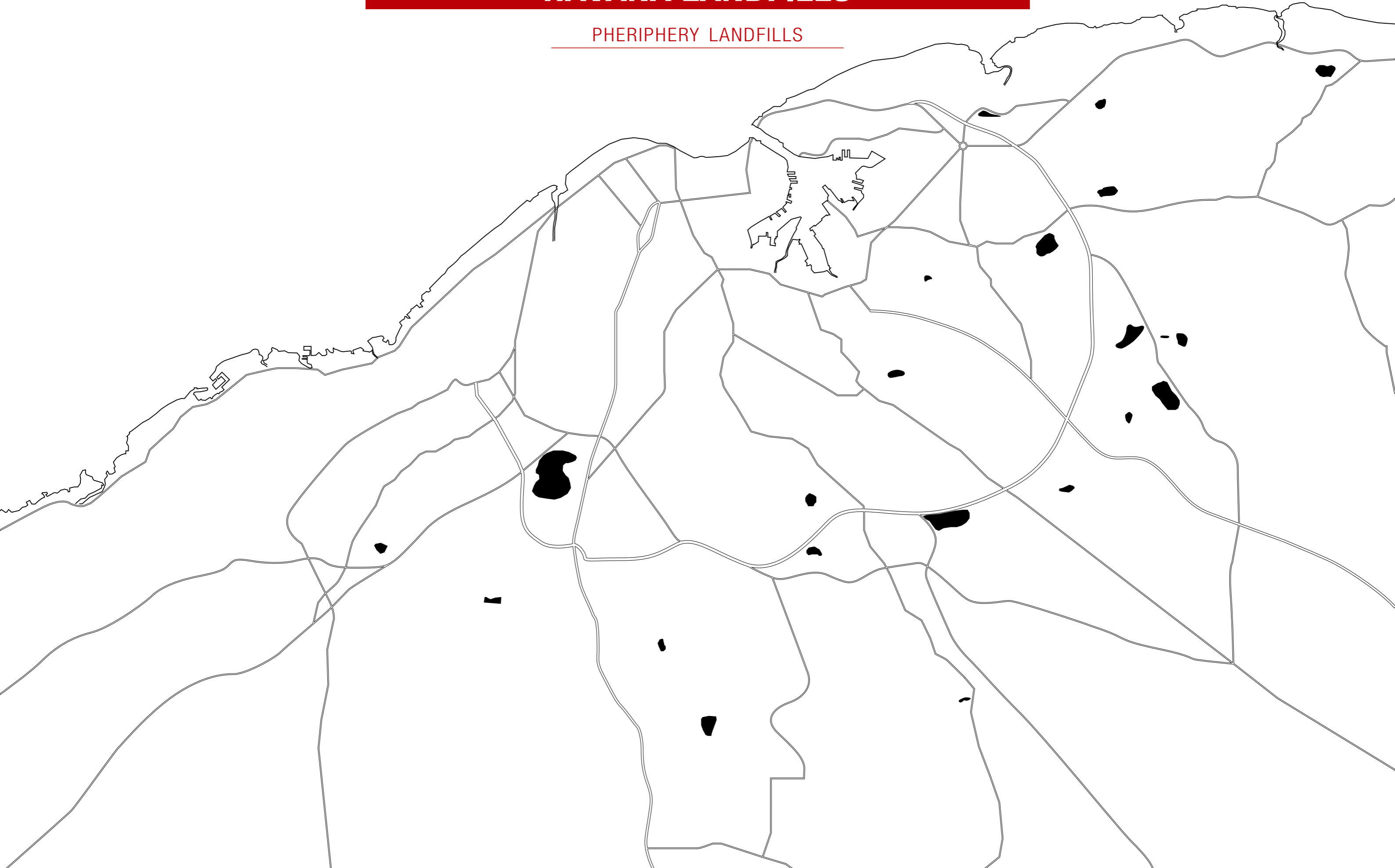
HAVANA LANDFILL

LIFE ON A LANDFILL



HAVANA LANDFILLS

PERIPHERY LANDFILLS



CALLE 100 LANDFILL

HAVANA'S LARGEST LANDFILL



TRASH IN SOCIETY

EL BUZO



Aluminium cans are sold to big companies



Scavenging trash

El buzo, a term which originates from the Special period.

Etymology :

basurero : Spanish word for landfill

buzo : Spanish word for diver

CUBAN CREATIVE RECYCLERS

CUBAN INGENUITY

Cuba,

A DIY Society

(Technological Disobedience)

CUBAN INGENUITY

TECHNOLOGICAL DISOBEDIENCE



El Camello



Rikimbilli

HISTORY OF CUBA'S INGENUITY

1960



“Worker, build your own machinery!”
(Ernesto Che Guevara)

HISTORY OF CUBA'S INGENUITY

1962



*‘To beat Imperialism in the Battle of Replacement Parts’.
(Ernesto Che Guevara)*

HISTORY OF CUBA'S INGENUITY

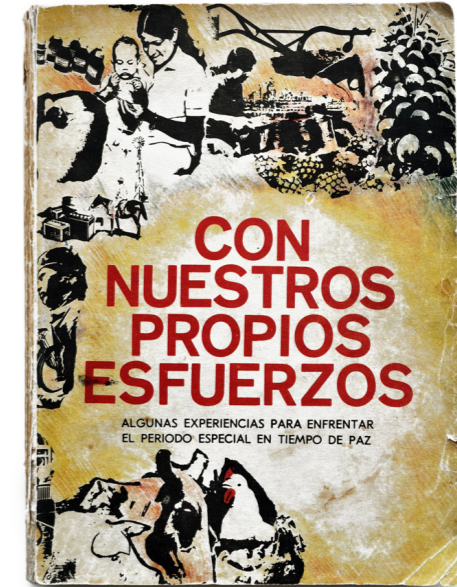
ENCOURAGEMENT BY GOVERNMENT



1965 Juventud Tecnica Magazine



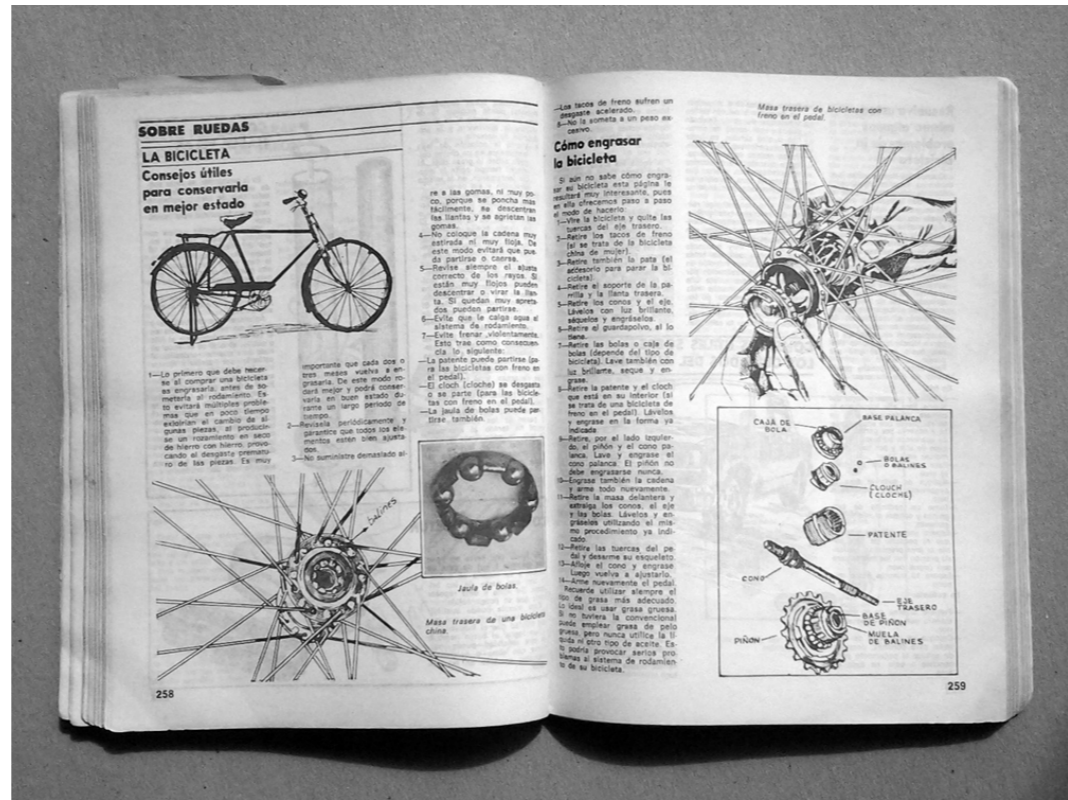
1991 el libro de la familia



1993 con nuestros propios esfuerzos

HISTORY OF CUBA'S INGENUITY

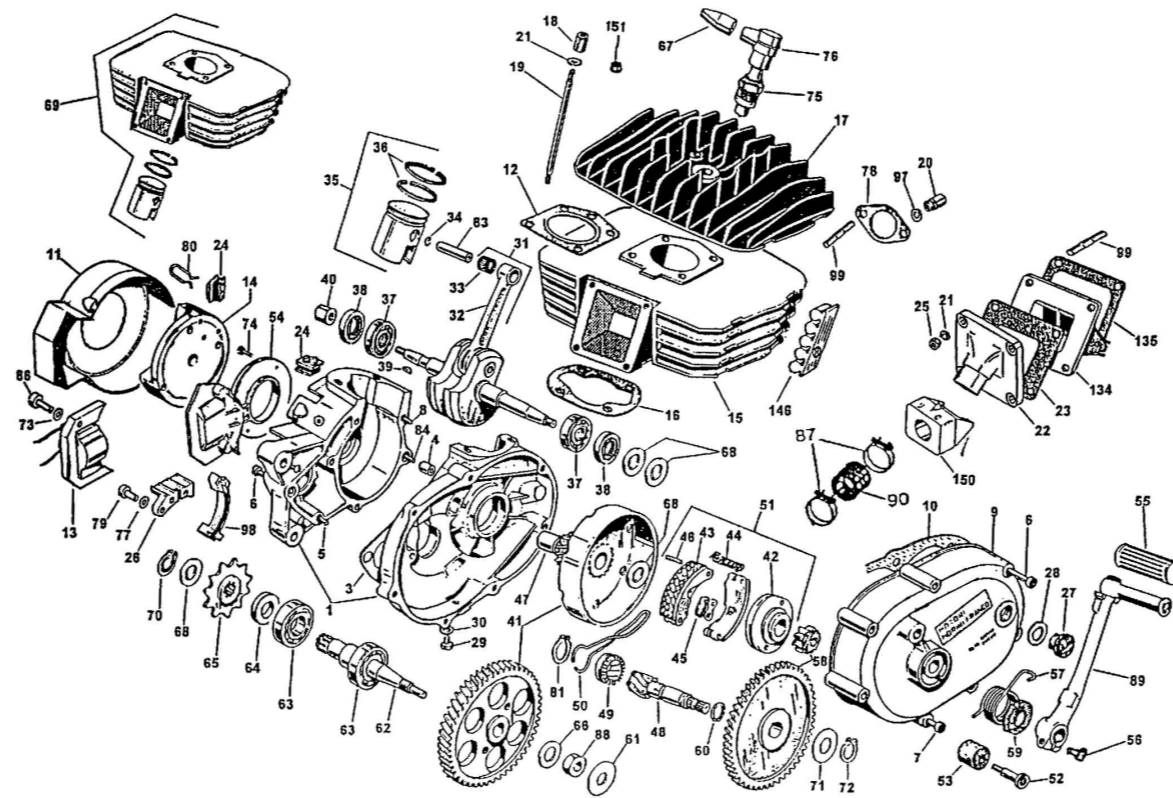
CON NUESTROS PROPIOS ESFUERZOS



1993 con nuestros propios esfuerzos

HISTORY OF CUBA'S INGENUITY

CUBAN MENTALITY

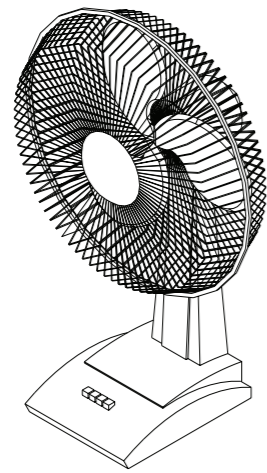


*While reinventing their lives, an unconscious mentality emerged. As a surgeon becomes desensitized to wounds, Cubans became desensitized to designed objects. **They stopped seeing the original purpose of the object; instead it became a sample of parts.***

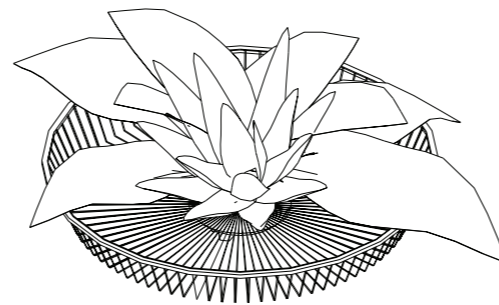
(Ernesto Oroza)

TECHNOLOGICAL DISOBEDIENCE

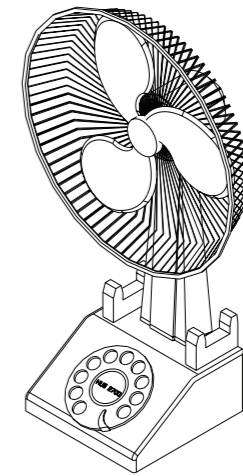
REPAIR, REPURPOSE, REINVENT



repair



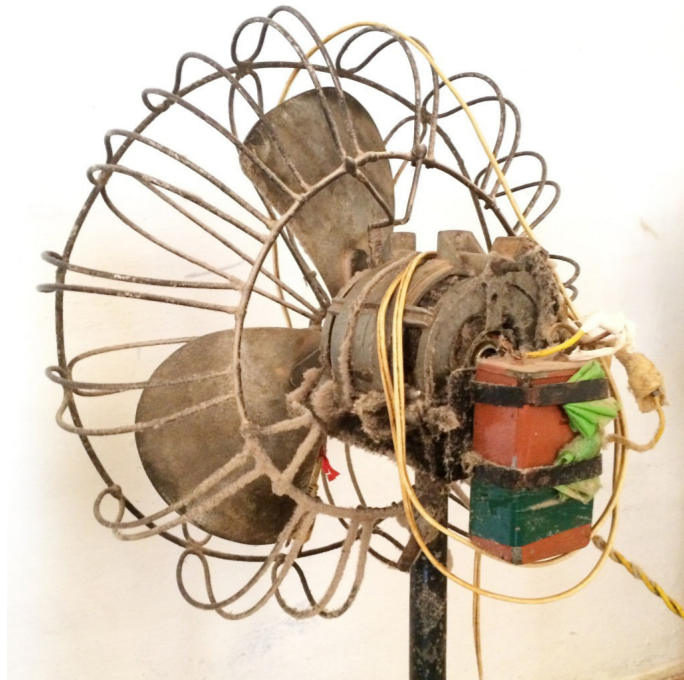
repurpose



reinvent

TECHNOLOGICAL DISOBEDIENCE

LABORATORY FOR INGENUITY



TECHNOLOGICAL DISOBEDIENCE

ALAMAR



TECHNOLOGICAL OBSOLESCENCE

UNSUSTAINABLE CONSUMPTION

Meanwhile in Western countries

Capitalism invented

Technological Obsolescence

TECHNOLOGICAL OBSOLESCENCE

WESTERN WORLD

“ Our whole economy is based on

Planned Obsolescence...

We make good products, we induce people to buy them, and then next year we deliberately introduce something that will make those products old fashioned, out of date, obsolete.

*We do this for the soundest
reason... to Make Money!”*

– Brooks Stevens,
Industrial Designer. 1958



*Brought to you by the
Post-Landfill Action Network*

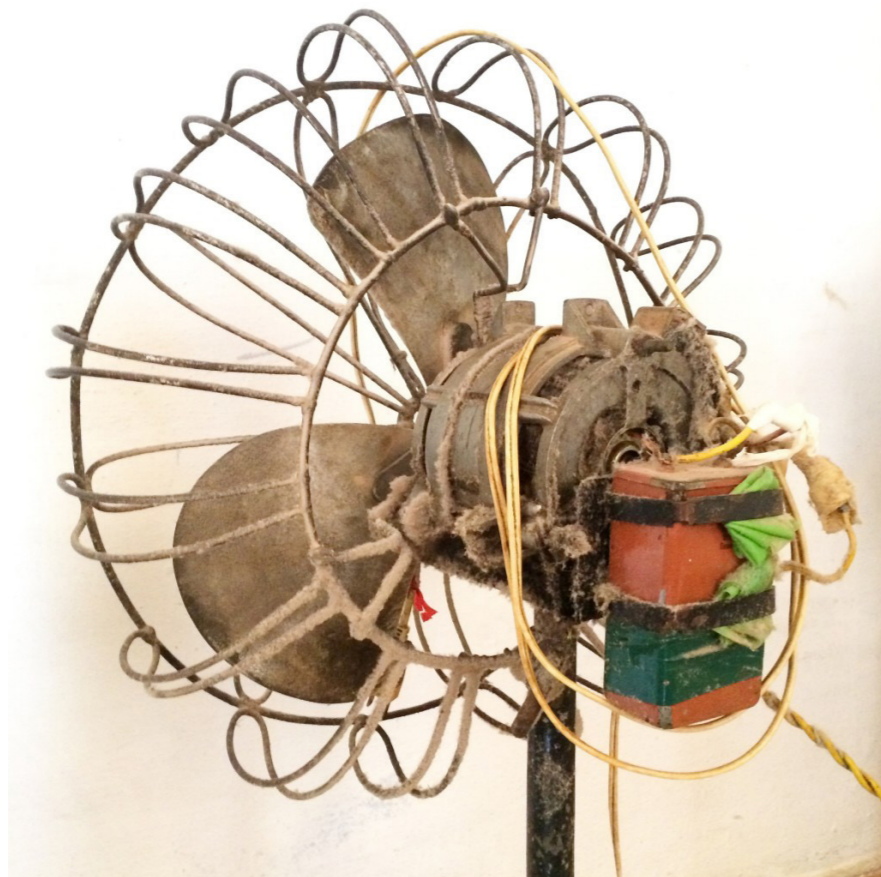
TECHNOLOGICAL OBSOLESCENCE

THROW AWAY SOCIETY



STRUGGLE OF TOMORROW ?

WHAT WILL HAPPEN ?



technological disobedience

system : communism



technological obsolescence

system : capitalism

STRATEGY

STRATEGY OF RESILIENCE



MANIFESTO

REVOLUCION 2.0

SOCIALIST REVOLUTION

AUTARKIC COMMUNITY

SHARING ECONOMY

MANIFESTO

REVOLUCION 2.0

SOCIALIST REVOLUTION

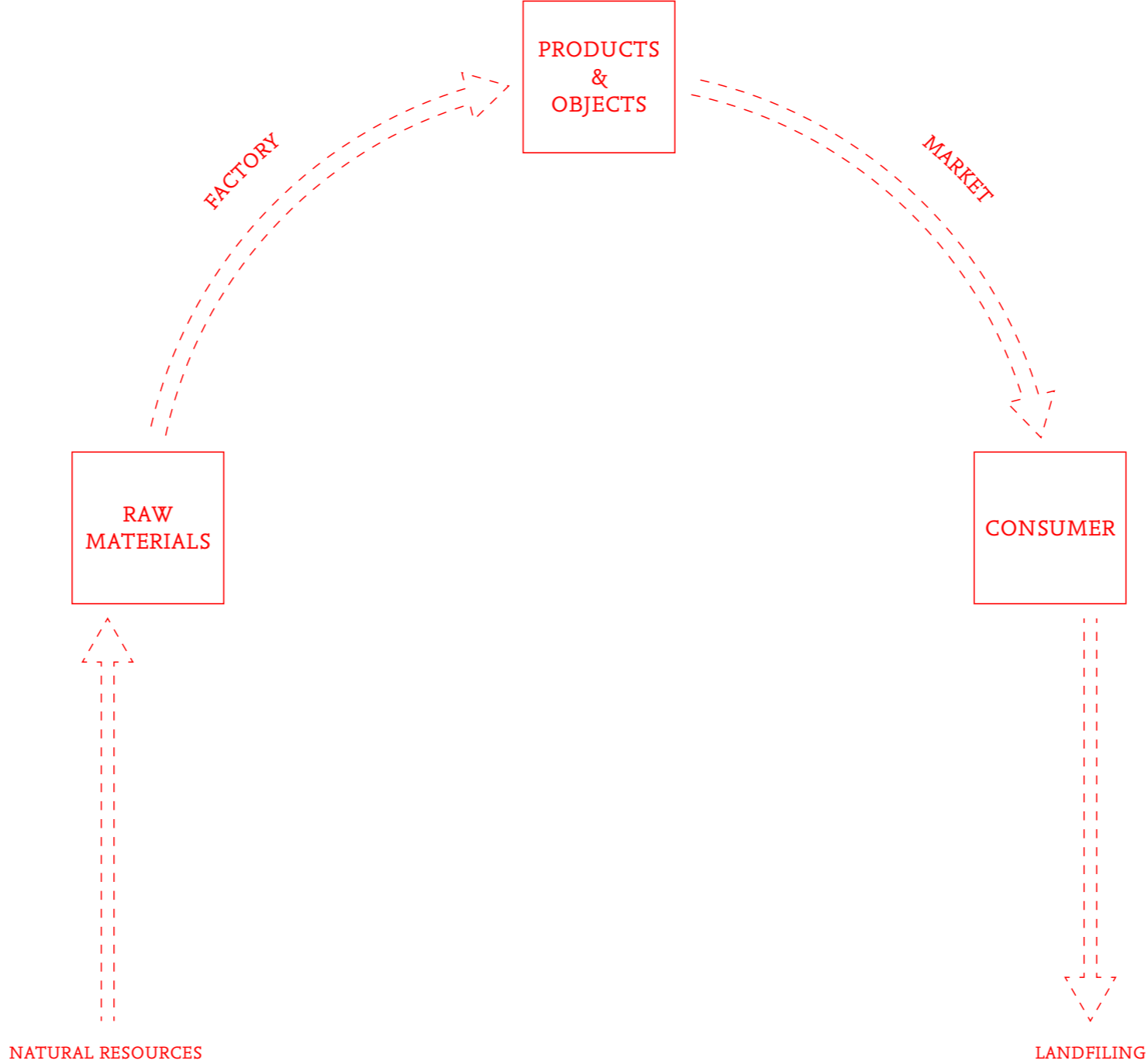
AUTARKIC COMMUNITY

SHARING ECONOMY

CIRCULAR ECONOMY

STRATEGY

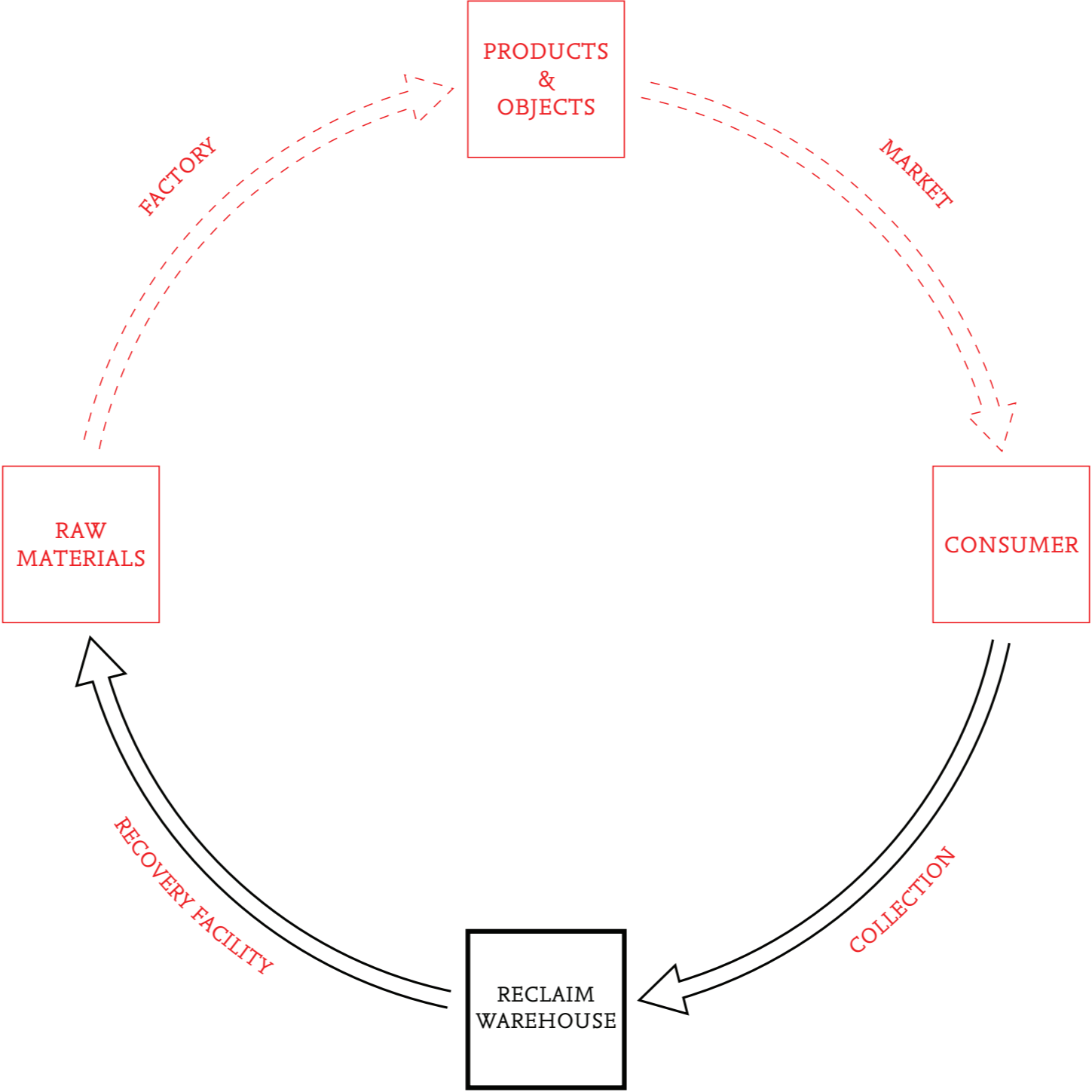
PRODUCTION PROCESS



Landfilling

STRATEGY

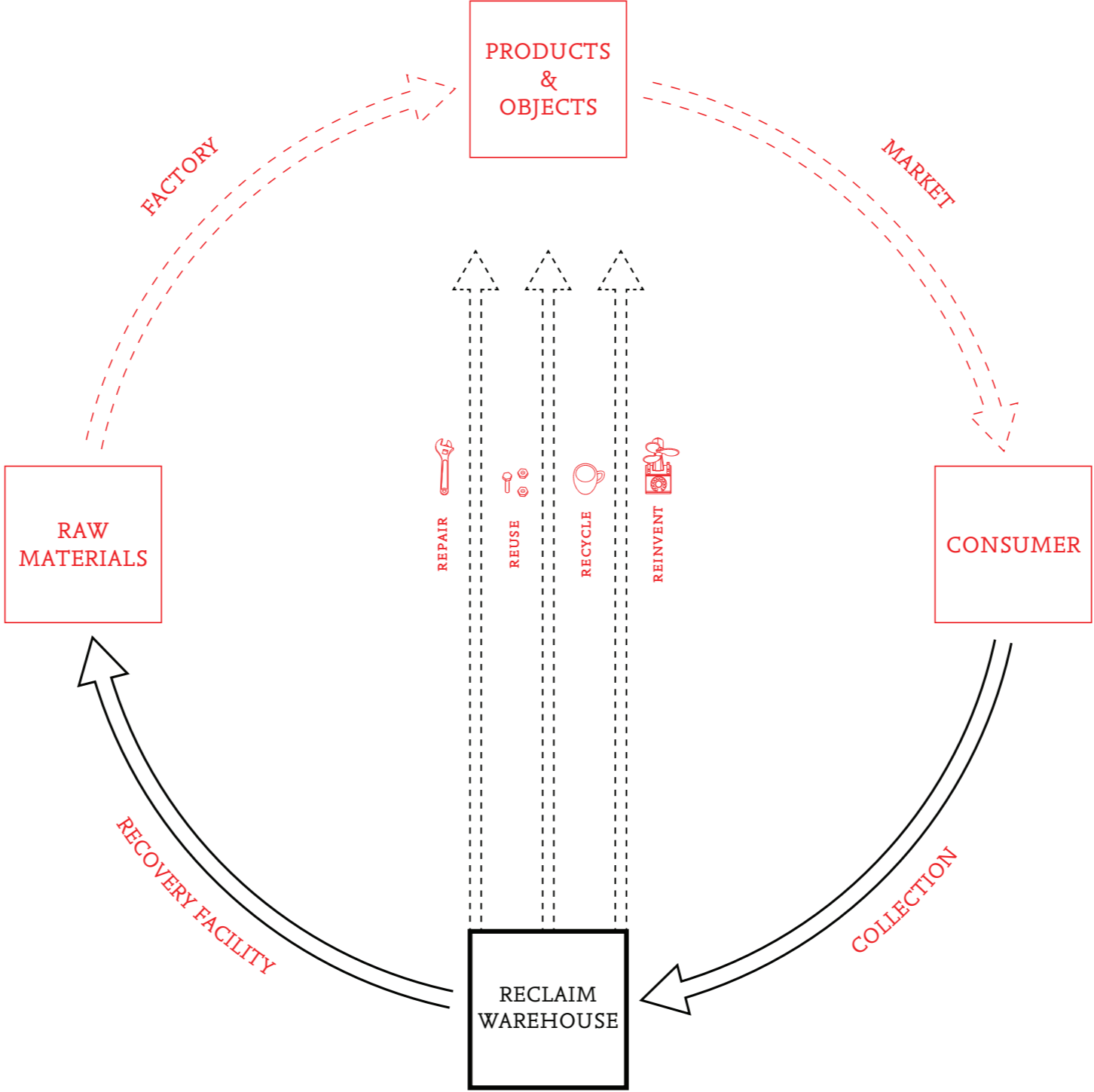
CIRCULAR ECONOMY



Closing the circle

STRATEGY

CIRCULAR ECONOMY



reduce, repair, reuse, recycle, reinvent

COMMUNITY SERVICES



SERVICES

COMMUNITY IMPACT

UP-CYCLED OBJECTS

NEW FURNITURE TO ELDERLY CARE CENTRE OR OTHER FACILITIES
INSTRUMENTS TO CULTURAL PLATFORM
PROVIDE UP-CYCLED OBJECTS TO ALAMAR PEOPLE

CATEGORIZED REUSABLES & RAW MATERIALS

REPARATIONS

BORROW TOOLS SERVICES

SERVICES

COMMUNITY IMPACT

UPCYCLED OBJECTS

CATEGORIZED REUSABLES & RAW MATERIALS

REUSABLE MATERIALS FOR ALAMAR PEOPLE AND NEW FACTORIES

RAW MATERIALS FOR ALAMAR PEOPLE AND NEW FACTORIES

REPARATIONS

BORROW TOOLS SERVICES

SERVICES

COMMUNITY IMPACT

UPCYCLED OBJECTS

CATEGORIZED REUSABLES & RAW MATERIALS

REPARATIONS

REPAIR OF INSTRUMENTS, FURNITURE, MACHINES OR OTHER APPLIANCES

BORROW TOOLS SERVICES

SERVICES

COMMUNITY IMPACT

UPCYCLED OBJECTS

CATEGORIZED REUSABLES & RAW MATERIALS

REPARATIONS

BORROW TOOLS SERVICES

**CABINETS/BOXES OF TOOLS FOR CRAFTMANSHIPS
SELF-BUILD MACHINERY FOR CRAFTMANSHIPS**

PROGRAM

TRASH AND ARCHITECTURE



PROGRAM

NEW TYPOLOGY



*Material Recovery Facility
(MRF)*

Transfer station

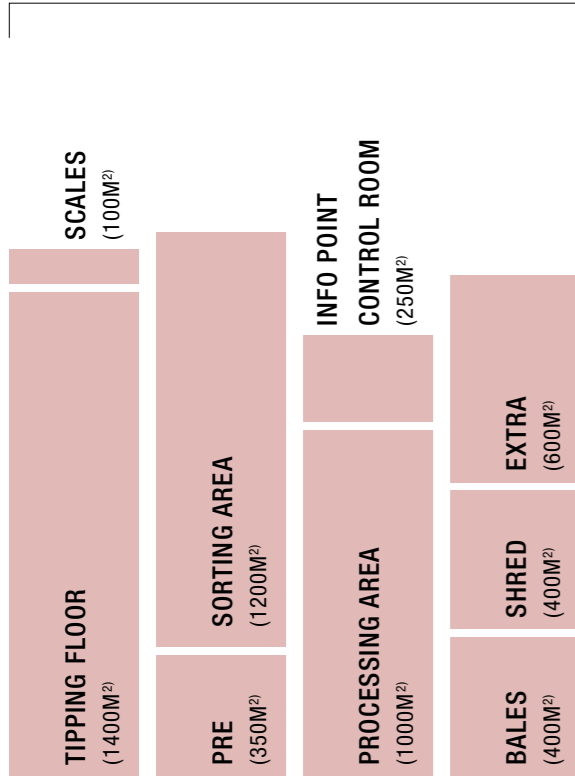
Workshop units

Warehouse

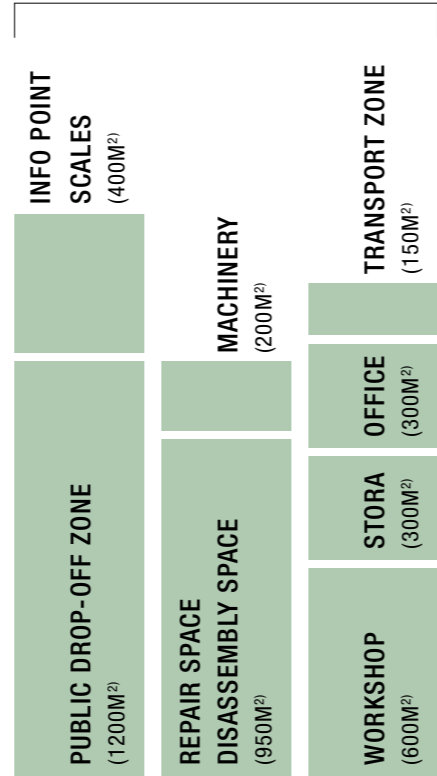
PROGRAM

SQUARE METERS

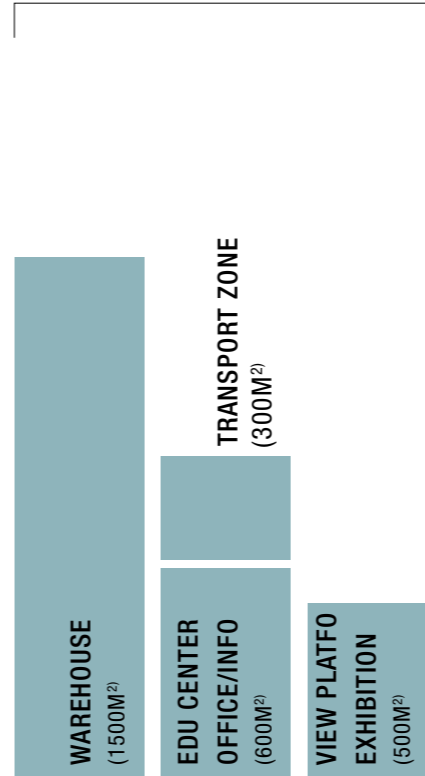
MATERIAL RECOVERY FACILITY



WORKSHOP UNITS AND DROP-OFF



PUBLIC WAREHOUSE



WORKER FACILITIES



LOGISTICS



ALIENATION

THE MISSING LINK

Harvard Design Magazine

Current Issue

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No. 40 / Well, Well, Well
ESSAY

The Missing Link: Architecture and Waste Management Leire Asensio Villoria, Hanif Kara, Andreas Georgoulas



Mesquite Regional Landfill under construction, El Centro, California, 2008.



BIG, Amager Resource Center, Copenhagen, Denmark, under construction. The facility utilizes flue gas cleaning, a highly efficient technology

Puente Hills, California, is an unhealthy place. Home to one of the largest landfills in the United States, it was the main repository for all of Los Angeles County's waste until the landfill closed in 2013. Over a period of more than 50 years, Puente Hills Landfill had expanded to cover an area of almost 1,400 acres, accommodating compacted waste stacks as high as 500 feet.

It is hard to visualize such an eyesore, but according to Edward Humes, author of *Garbology: Our Dirty Love Affair with Trash*, the landfill could hold all the cars produced in the United States over the past 15 years while its height exceeded that of many skyscrapers. Because regulations require waste to be covered with soil as soon it enters the landfill, these "towers" were invisible—the problem was sealed from sight.¹ Mesquite Regional Landfill, a much larger and more remote mega-landfill, now serves as the county's main waste repository. Located 200 miles southeast of Puente Hills and just over 10 miles from the US-Mexico border, it is expected to remain operational for the next 100 years.

Like many affluent societies, the United States is a land of insatiable, resource-intensive consumption, and has built these mega-landfills to accommodate the products of our vicious, and increasingly detrimental, resource-to-waste conversion cycle. In 2012, Americans generated approximately 251 million tons of waste, of which 135 million tons headed to landfills. Given the average landfill gate fee of \$48 per ton, the simple act of throwing waste into landfills amounts to nearly \$6.5 billion per year.

Often situated in remote locations next to forests, on land that could otherwise be used for recreational purposes, the roughly 2,000 operational landfills in the United States occupy more than 6,000 acres. They emit greenhouse gases that account for 2 to 5 percent of the country's total emissions, pose significant health risks, and cause long term disruptions to their surrounding environments.² Why, then, are landfills still the most prominent means of waste management in the United States?

ALIENATION

MISSING LINK

*Drastic efficiency leaps, environmental impact improvements, and technological innovations all happen far from the public eye. It's nearly impossible to observe and understand what takes place in an incinerator or a recycling plant. Outsiders are rarely allowed on-site. **The design of the plants, which seldom involves architects, only increases this sense of alienation.** These strange edifices seem to be remnants of a not-so-distant past of exhaust fumes and industrial pollution. **Their bleak, unwelcoming architecture makes no gesture to connect with the public, visually or socially; they offer no amenities beyond their core function, no opportunities for visitors or communities to engage,** and only minimal integration with their built and natural surroundings.*

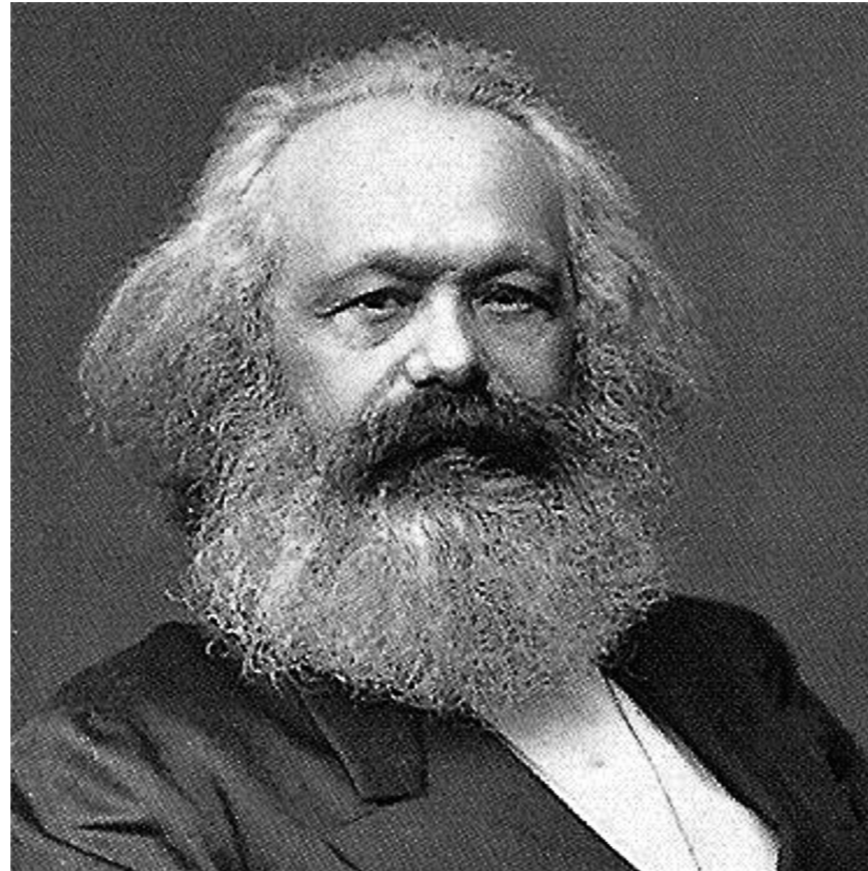
Harvard Design Magazine Issue 40 - The Missing Link: Architecture and Waste Management

INTENTIONS



ALIENATION

KARL MARX

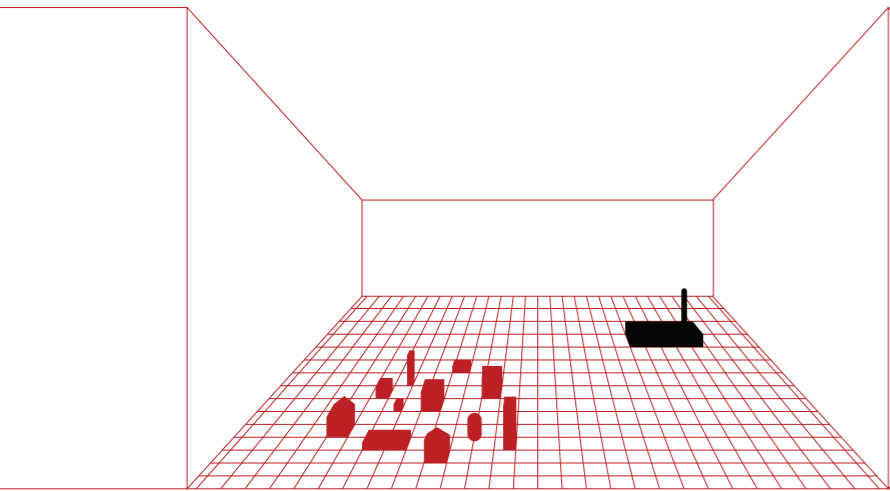


*Alienation is a disorienting sense of **exclusion and seperation**.*

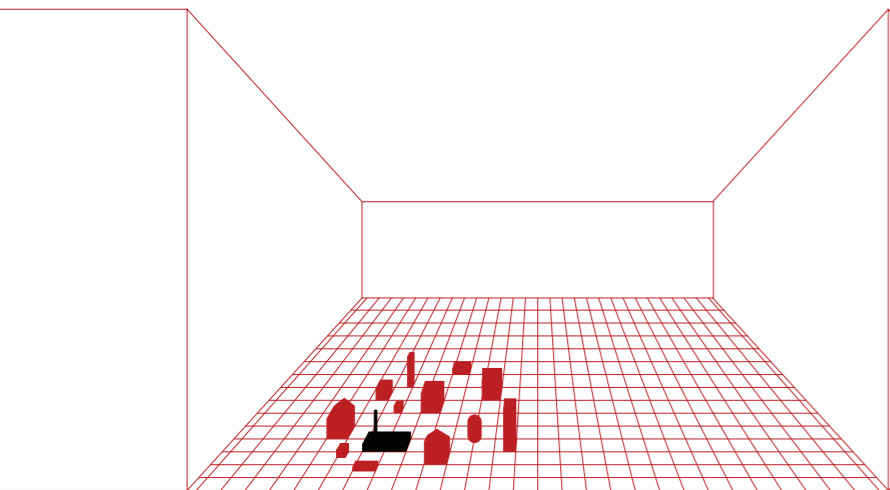
INTENTIONS

URBAN SCALE

Urban scale



Landmarks of communities

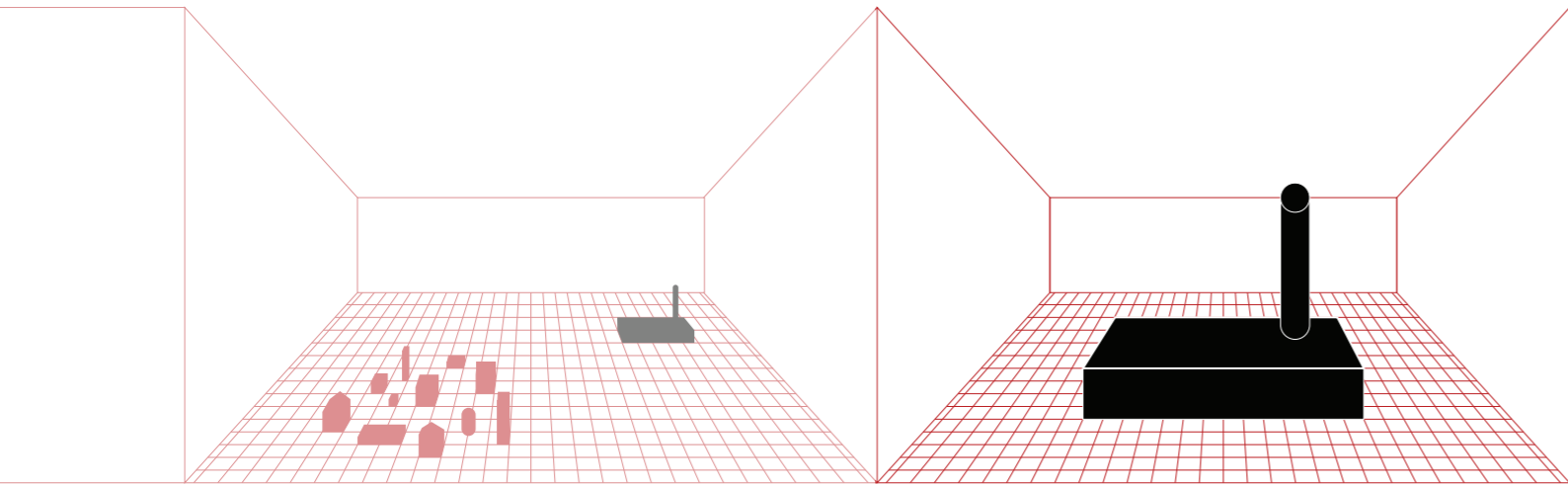


INTENTIONS

BUILDING SCALE

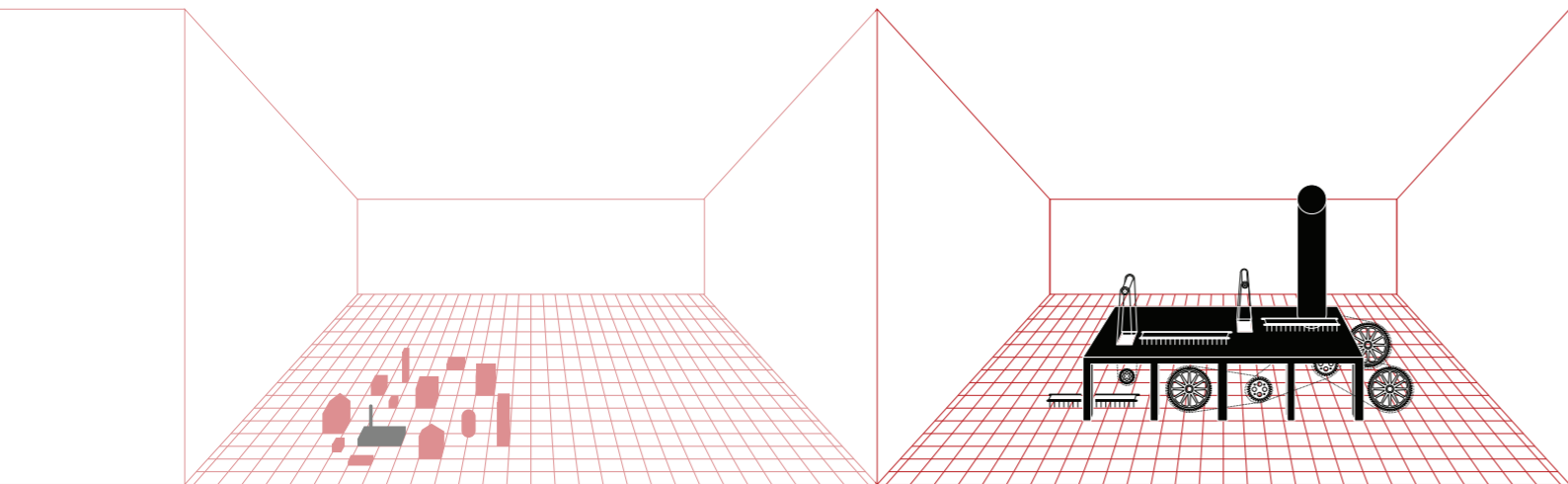
Urban scale

Building scale



Landmarks of communities

Transparent machine



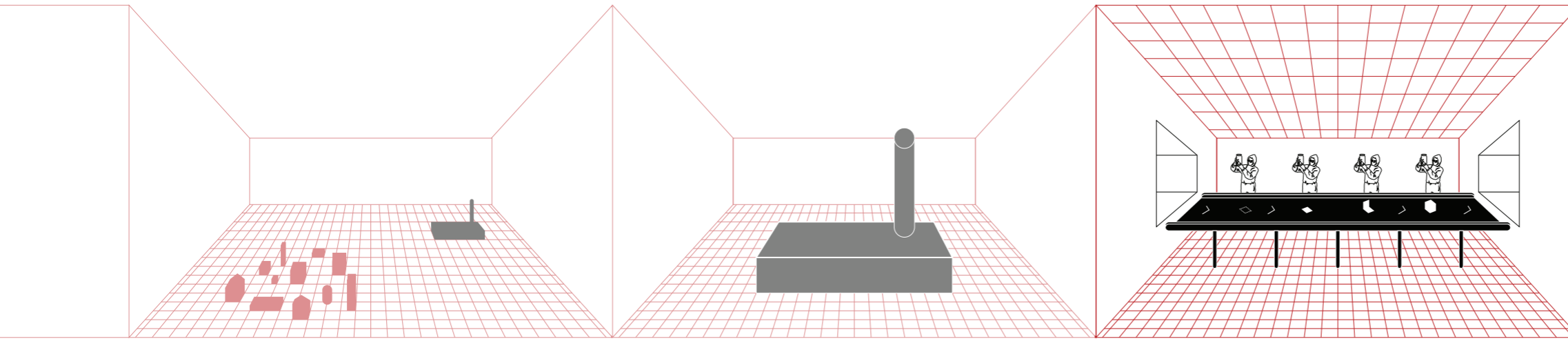
INTENTIONS

WORKER SCALE

Urban scale

Building scale

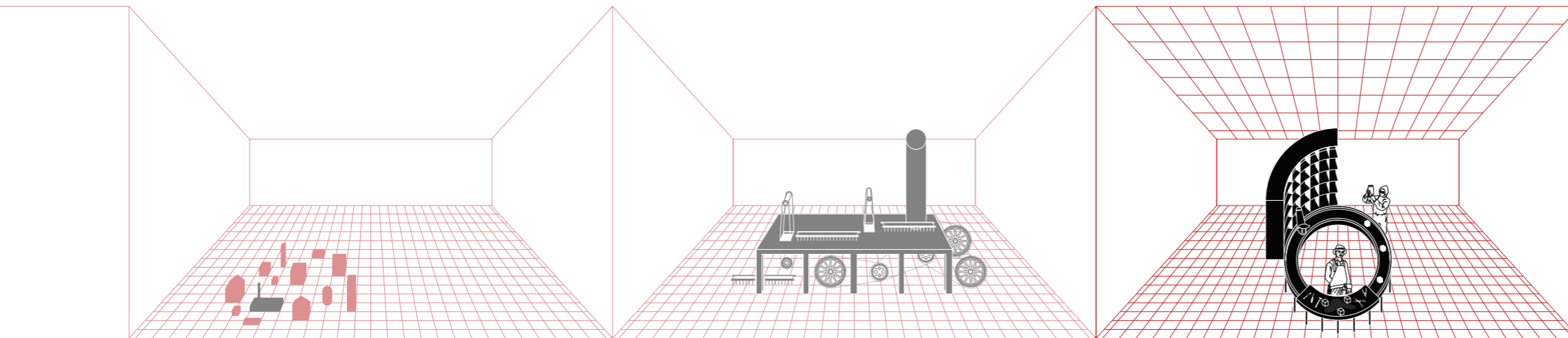
Worker scale



Landmarks of communities

Transparent machine

*Shifts of different labor
encourage creativity*



INTENTIONS

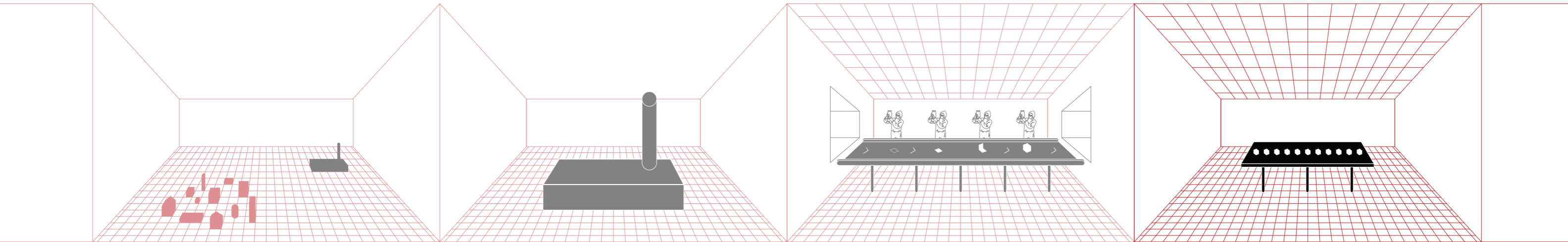
OBJECT SCALE

Urban scale

Building scale

Worker scale

Object scale

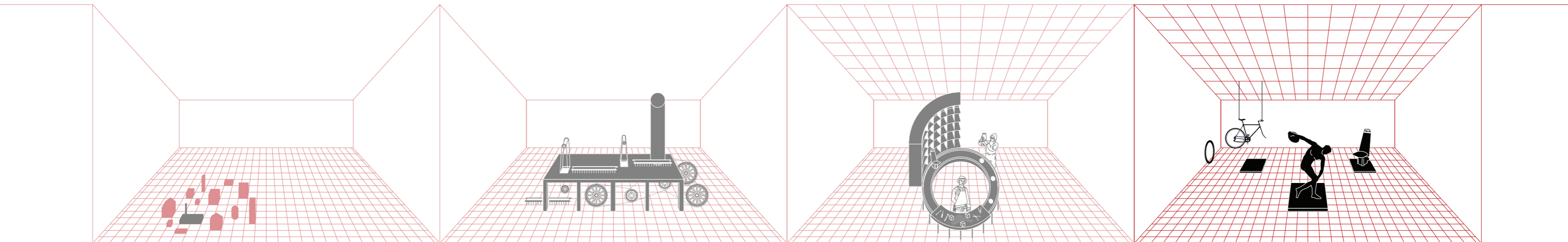


Landmarks of communities

Transparent machine

*Shifts of different labor
encourage creativity*

*Encourage creativity through
specialized craftsmanship
and interaction with community*



URBAN STRATEGY

URBAN SCALE



ALAMAR

EXISTING STRUCTURE



MANIFESTO

GROUP STRATEGY



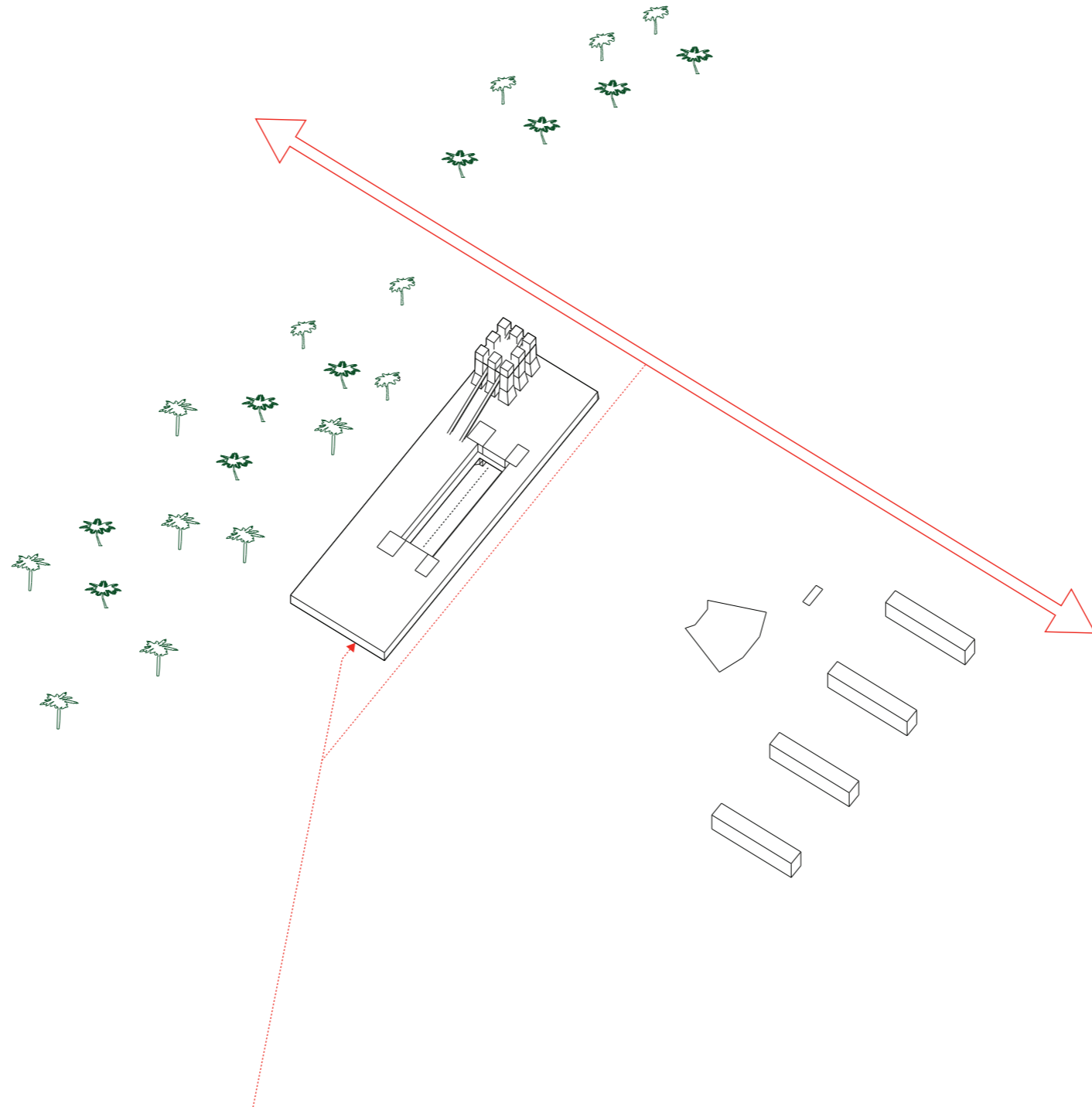
MANIFESTO

UNDEFINED AREA



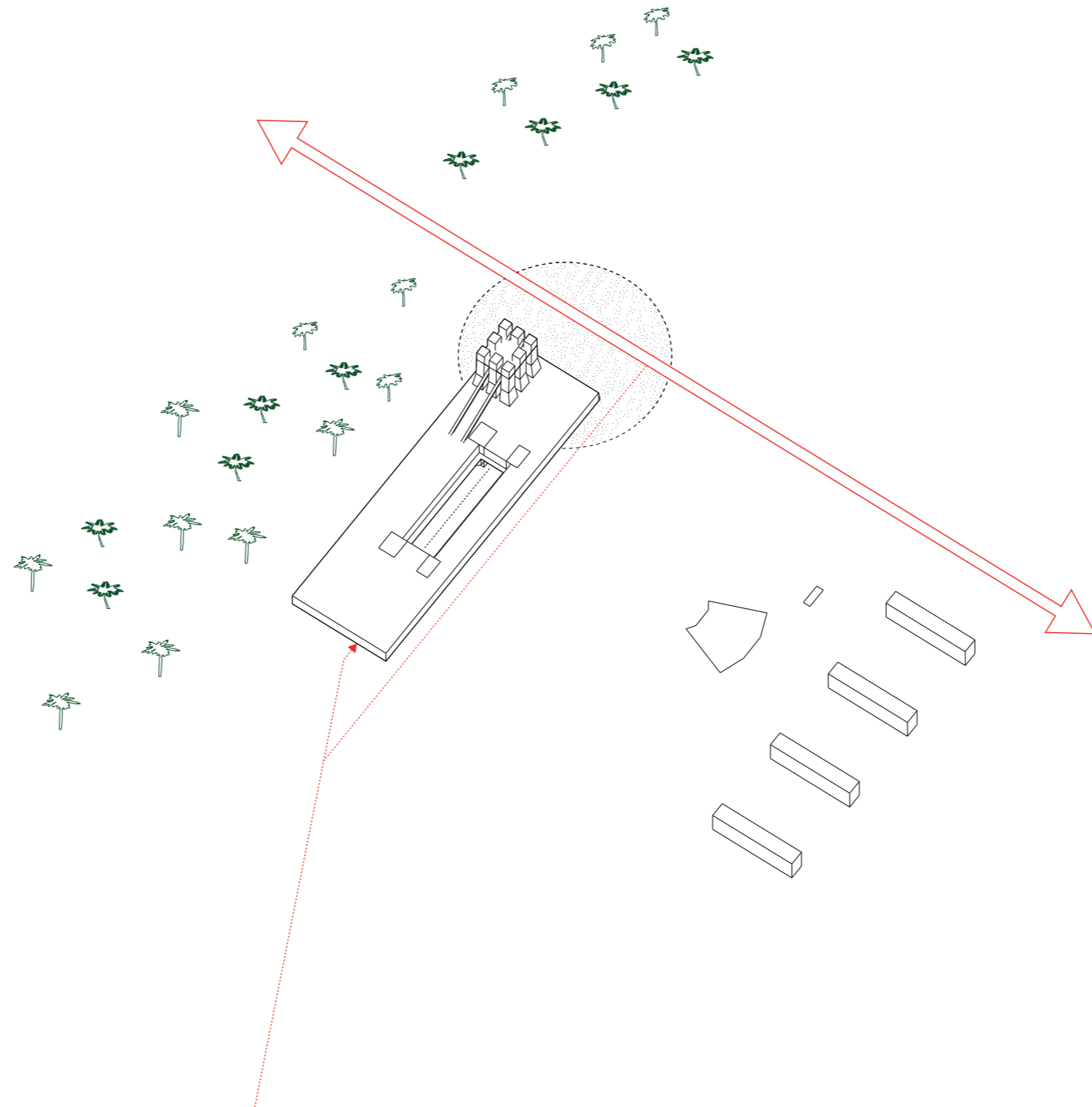
URBAN STRATEGY

URBAN LOGISTICS



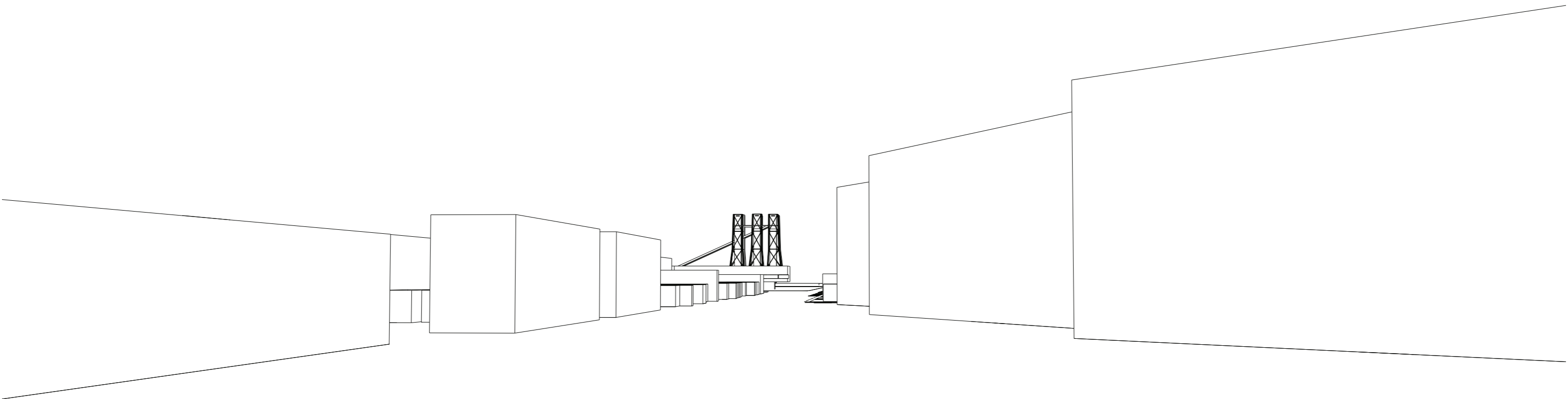
URBAN STRATEGY

EMPHASIZES NEW HIERARCHY



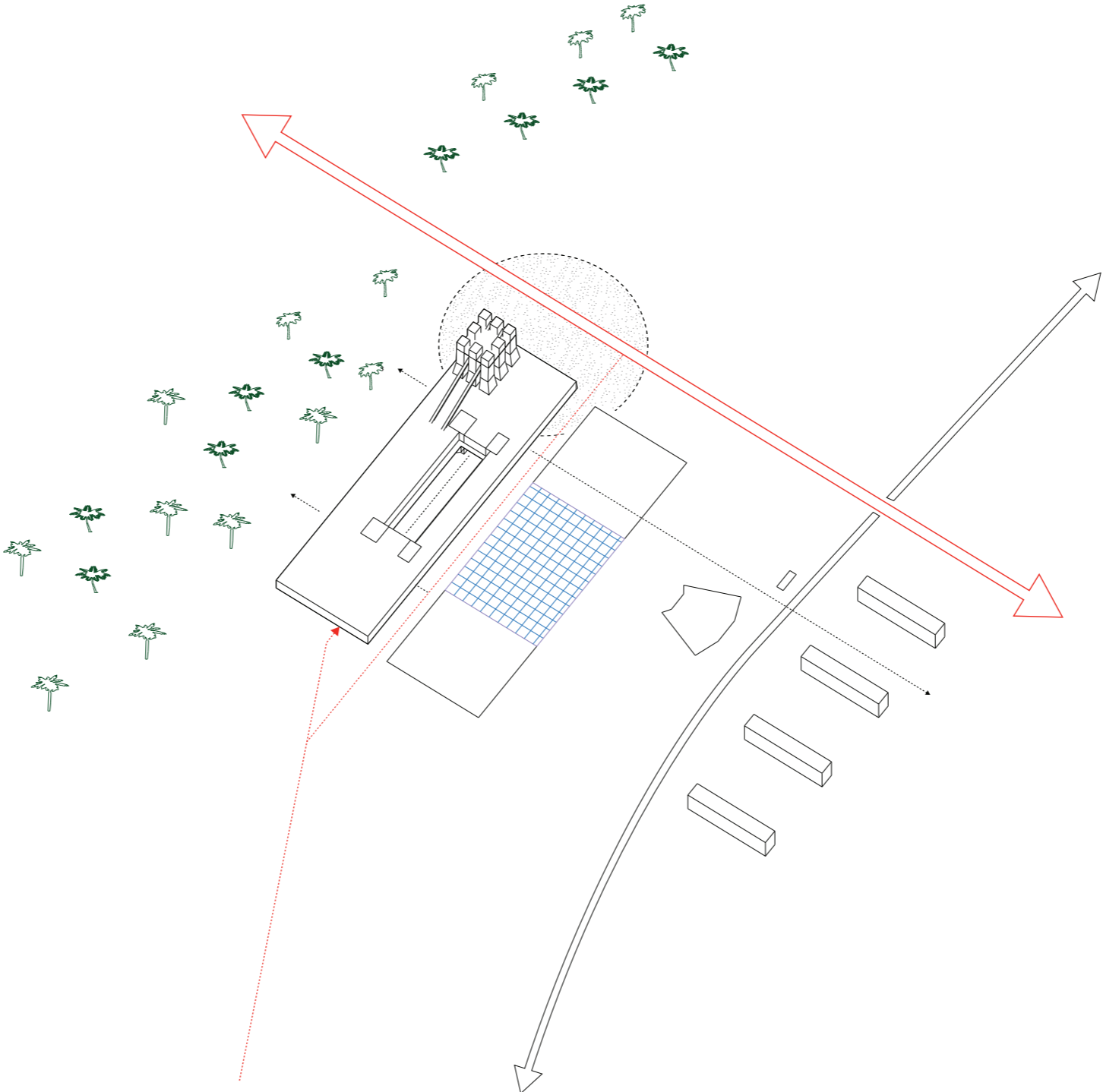
URBAN STRATEGY

VIEW FROM NEW CENTER



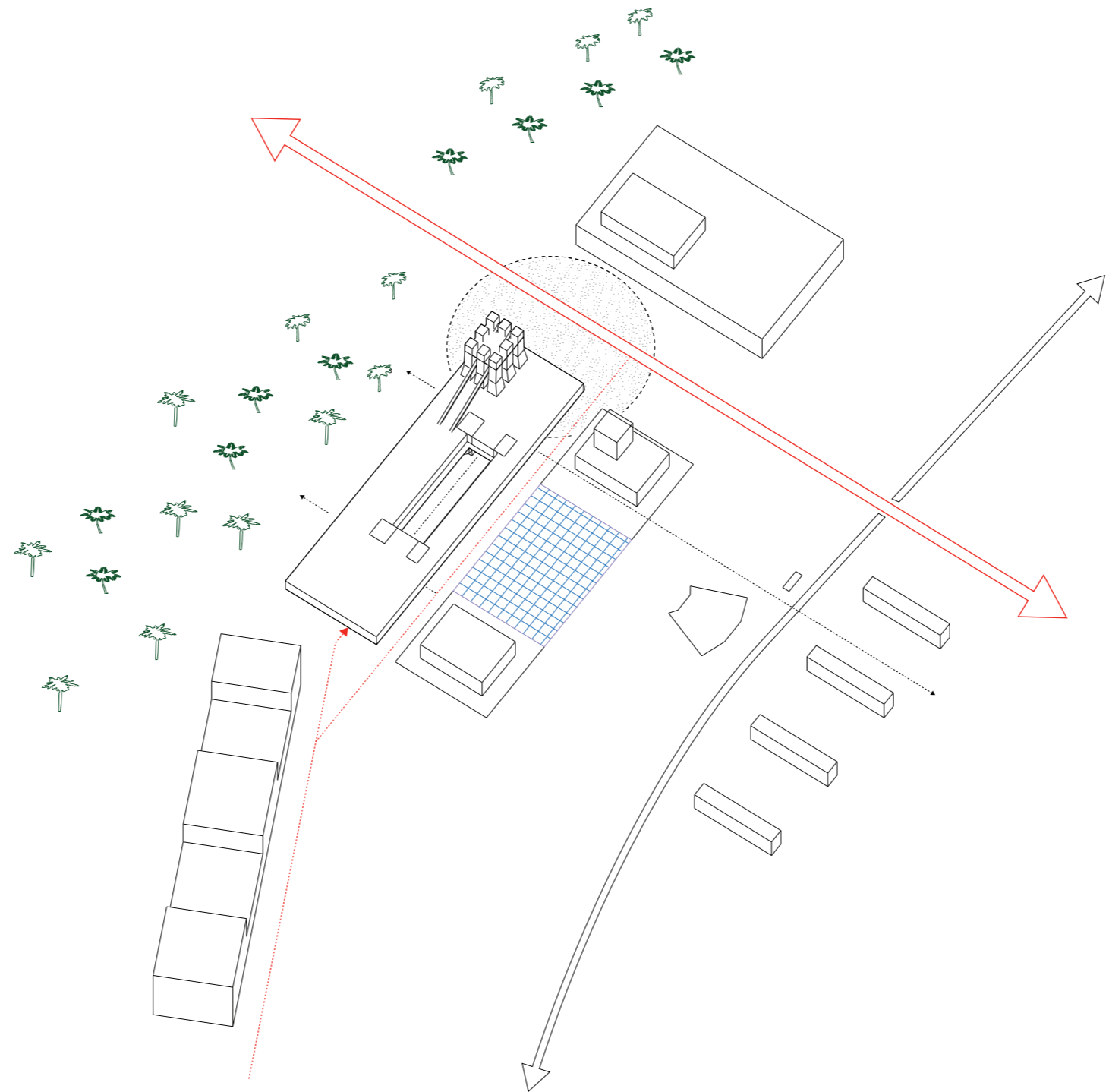
URBAN STRATEGY

BORDER CONDITION PARK - CITY



URBAN CATALYST

NEW FACTORIES, COMPOST, WTE



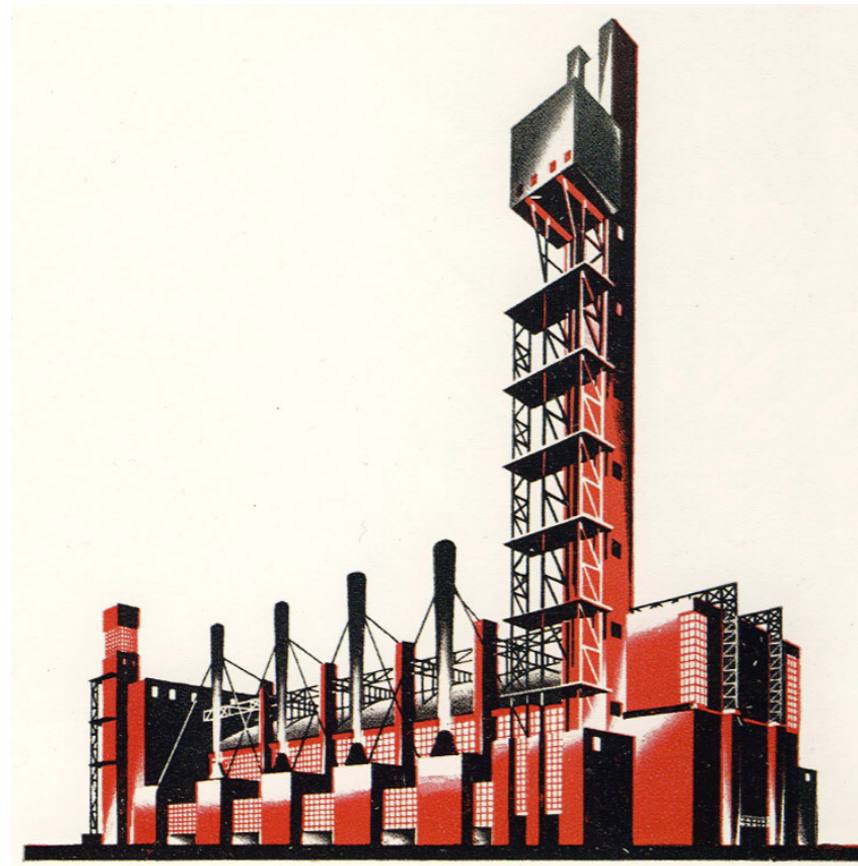
URBAN COLLAGE

COLLAGE FROM PARK



CONSTRUCTIVISM

SOVIET ARCHITECTURE



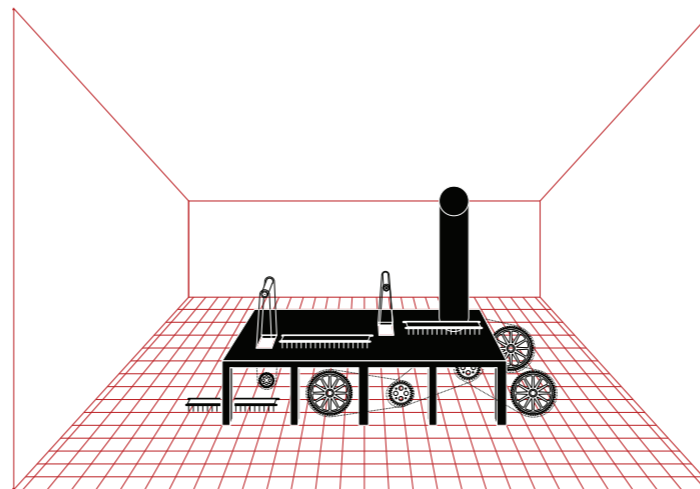
URBAN STRATEGY

MAKERS SQUARE



BUILDING AS A MACHINE

BUILDING SCALE



LOGISTICS OF MACHINE

ORGANIZATION

?

LOGISTICS OF MACHINE

LINEARITY

DISREGARDED (OLD)



RECLAIMED (NEW)

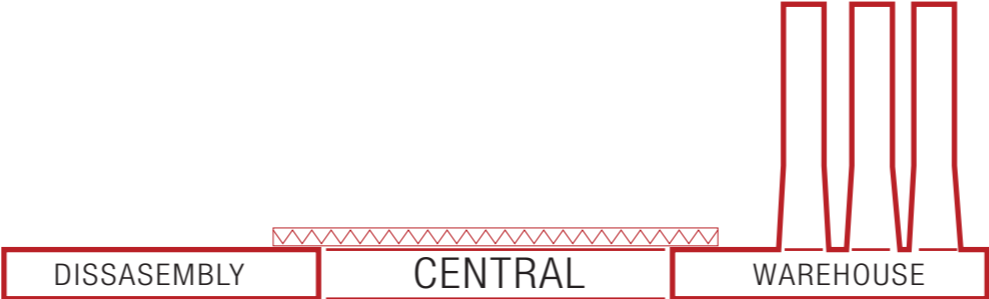
LOGISTICS OF MACHINE

IMPORTANCE OF LOGISTICS



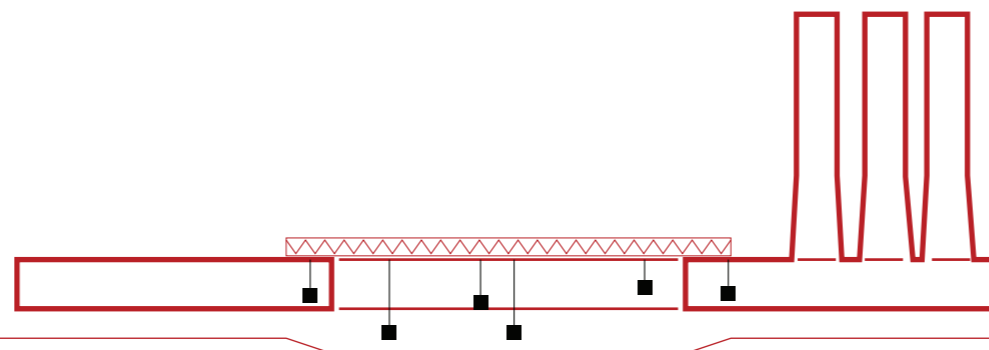
LOGISTICS OF MACHINE

CENTRAL SPACE



LOGISTICS OF MACHINE

FLAWS OF MATERIALS



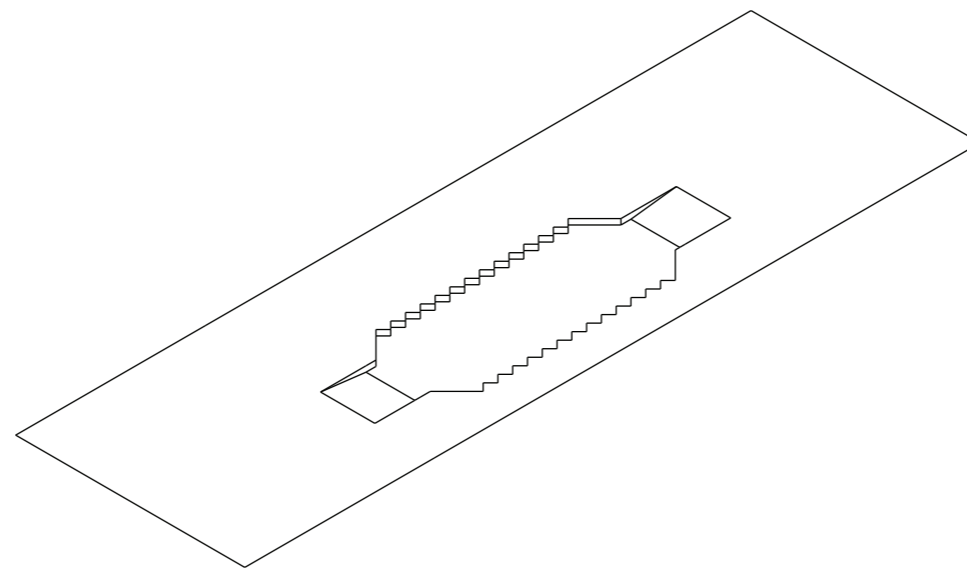
VISIBLE FLOW OF MATERIALS AND OBJECTS

SPATIAL QUALITIES



GROUND FLOOR

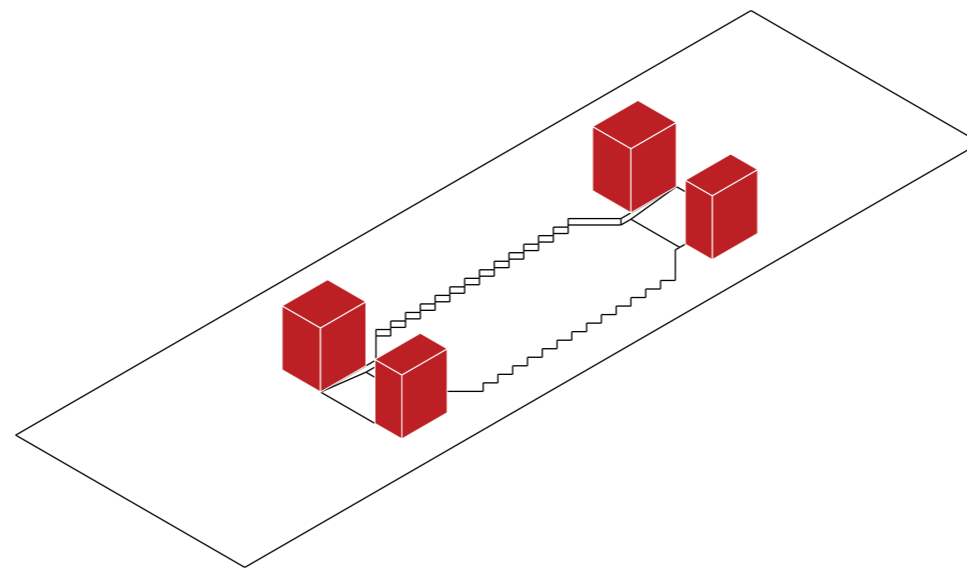
DEEPENED LOGISTICS



lowered central space for logistics of containers

CORES

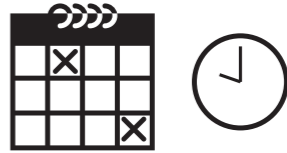
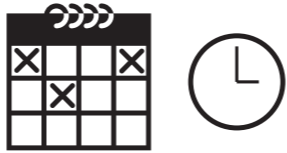
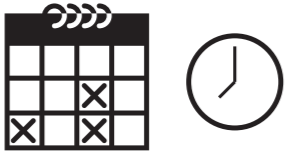
NECESSARY FUNCTIONS



*cores facilitate workers between different areas.
Every core includes cleaning facilities and lockers*

EL NUEVO BUZO

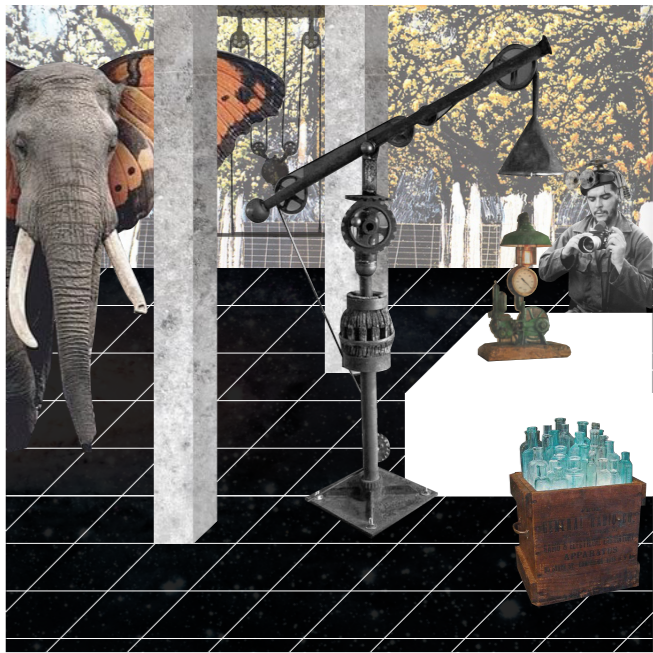
UNDERSTANDING PRODUCT FROM MINING TO UPCYCLING



recycling factory



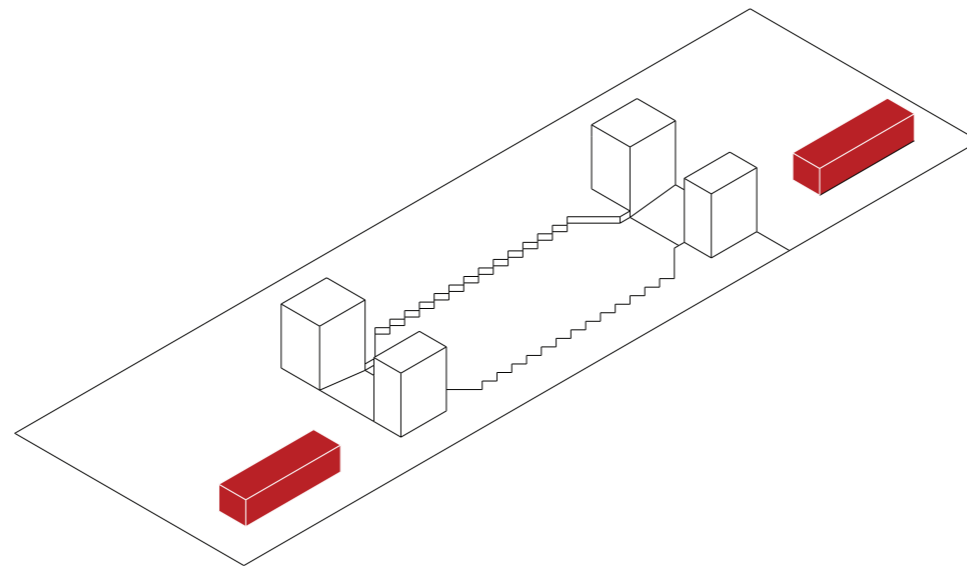
warehouse



workshop and disassembly

SERVICE AREAS

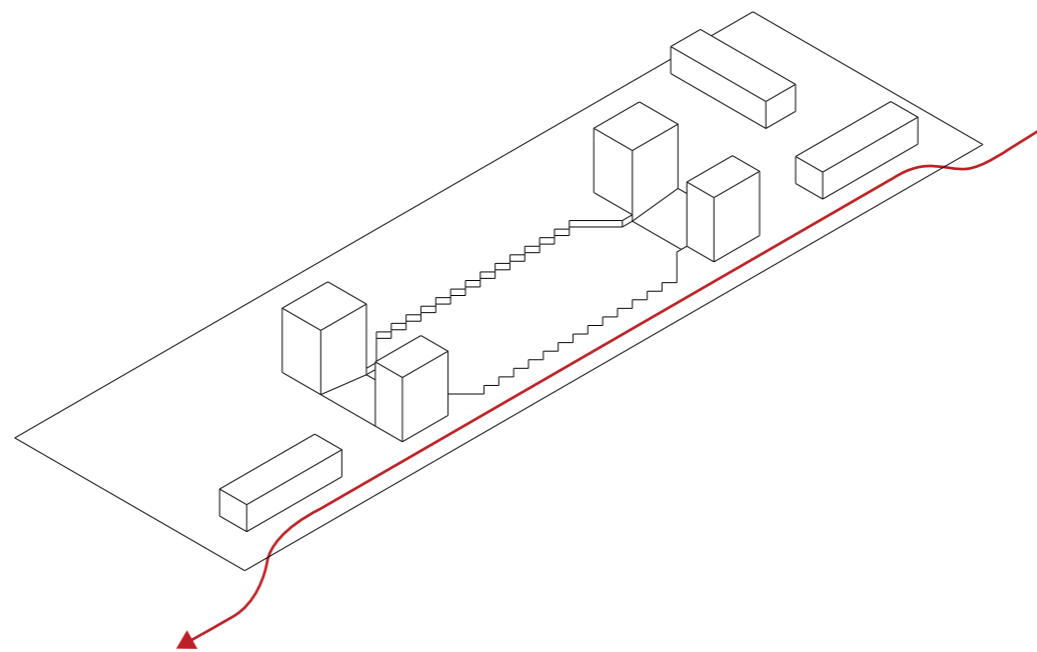
CHECK IN AND CHECK OUT



service areas provide drop-off or pick up

SERVICE AREAS

DRIVE BY AND DROP OFF



Tools



Scrap



Broken

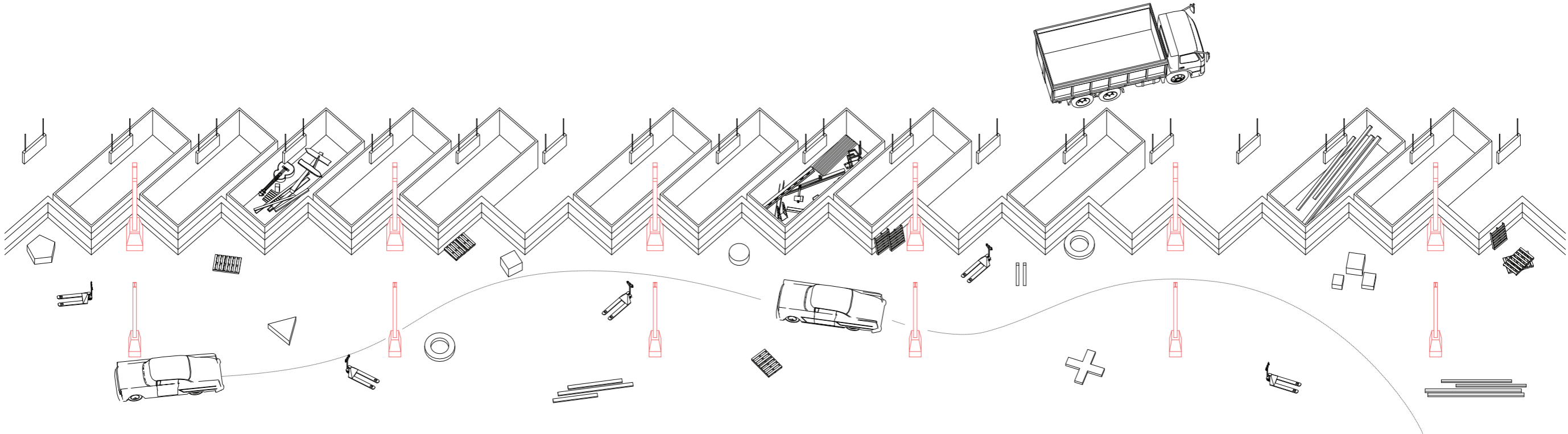


Objects



DROP OFF AREA

LOGISTICS



DROP OFF AREA

DRIVE BY AND DROP OFF



SPATIAL QUALITIES

CHARACTERISTICS OF SPACE



shadow underneath



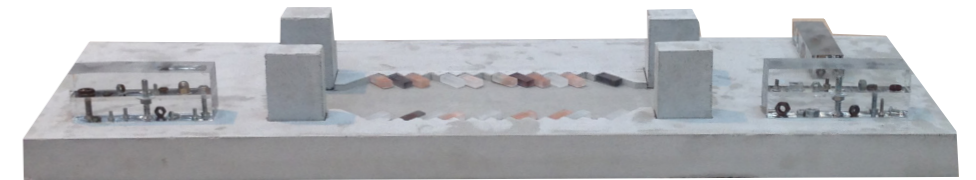
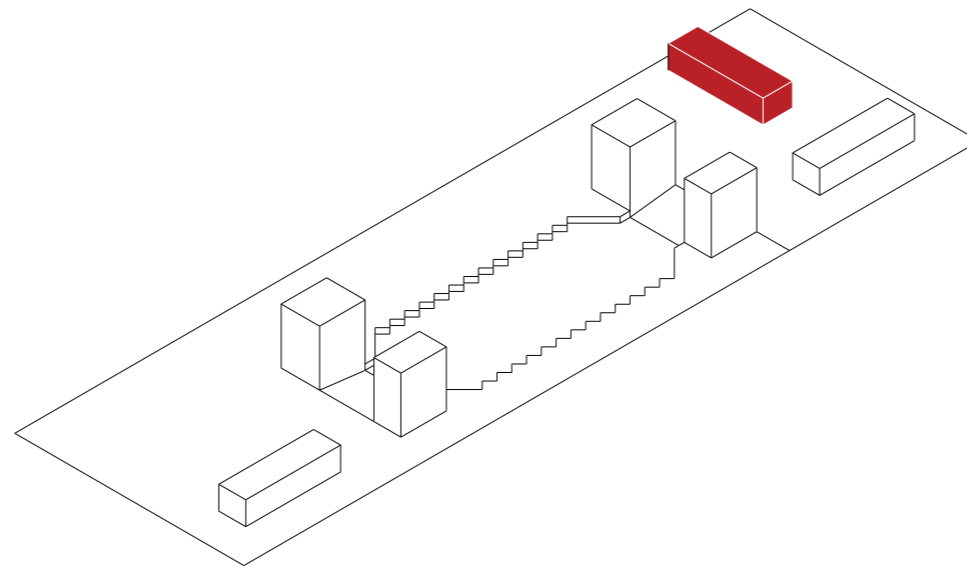
framing containers



strong concrete base

SERVICE AREA

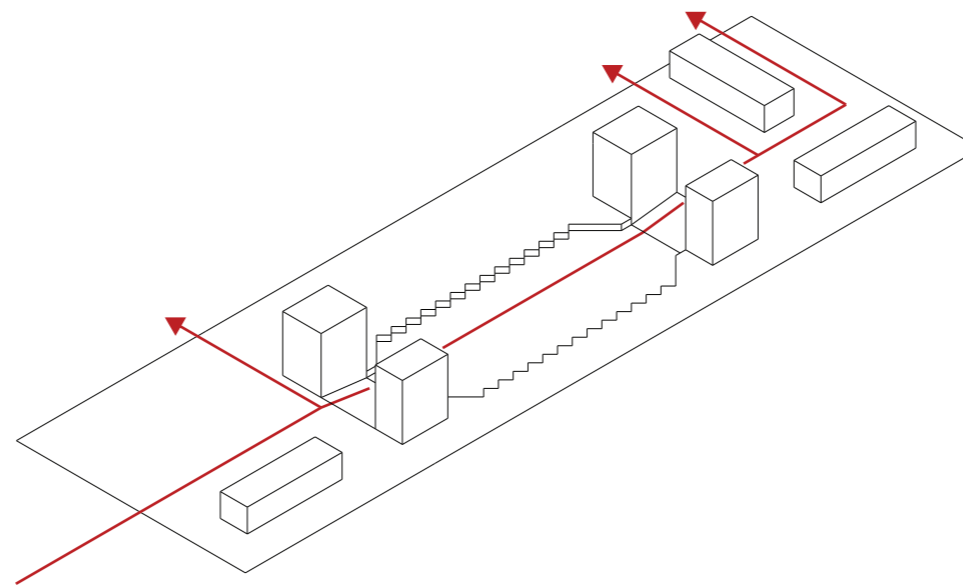
BIG LOGISTICS



service area for big logistics to check out for trucks

LOGISTICS

TRUCKS



Trash

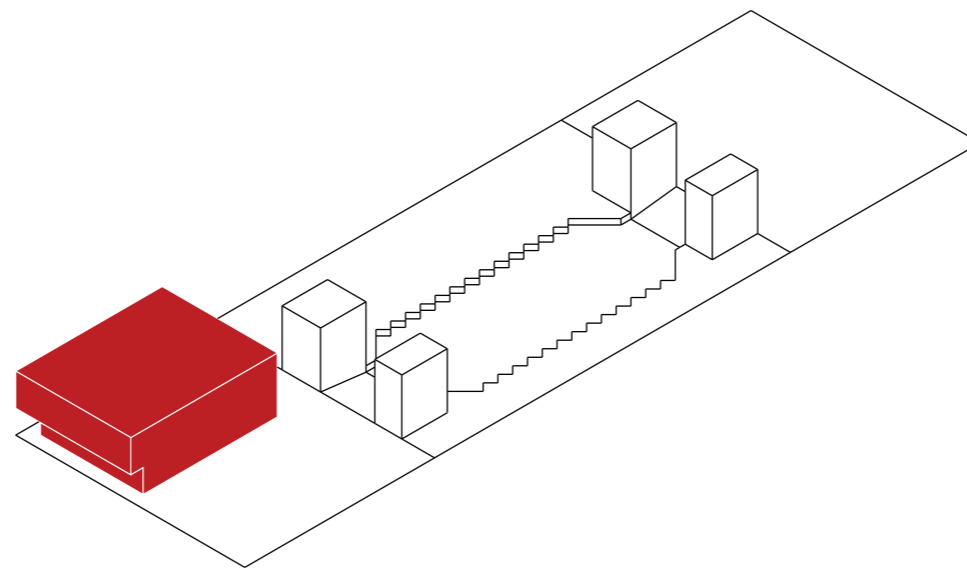


Raw materials



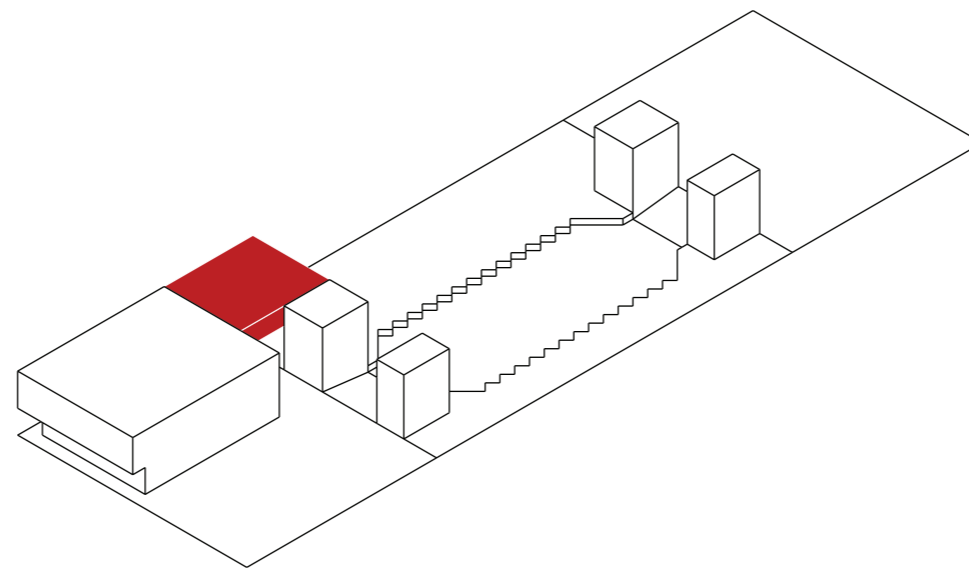
RECYCLING FACTORY

TIPPING FLOOR



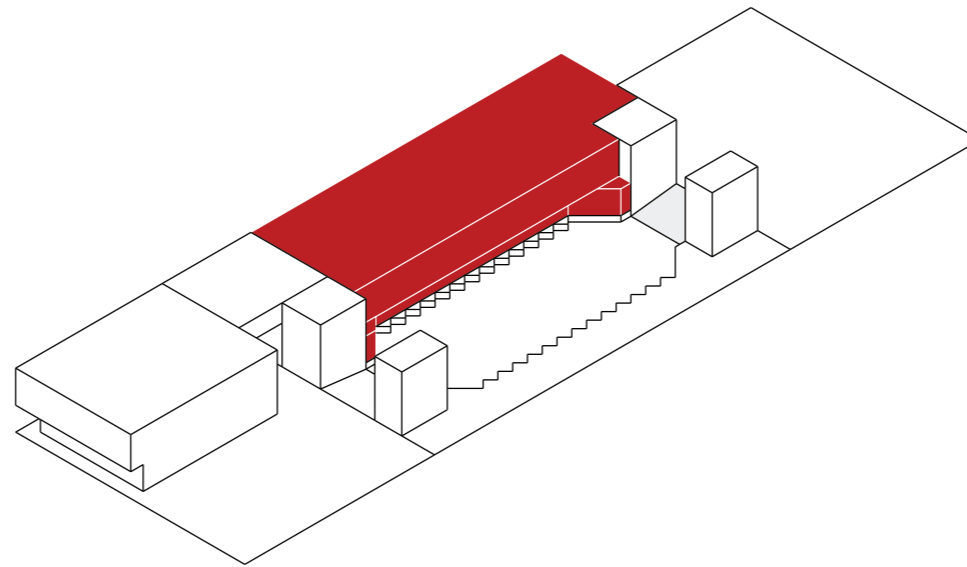
RECYCLING FACTORY

PRE-SORTING AREA



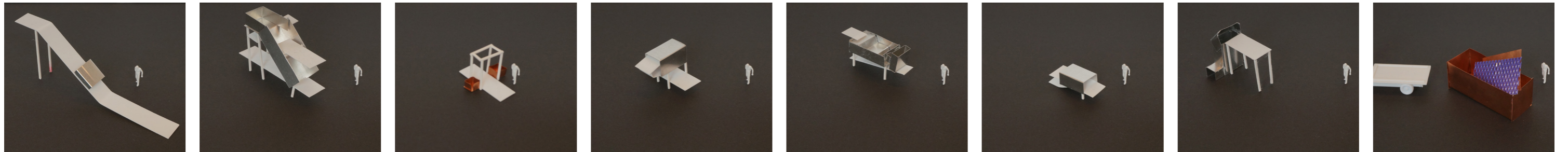
RECYCLING FACTORY

MATERIAL RECOVERY FACILITY



RECYCLING FACTORY

LINEARITY, EFFICIENCY & SCALE



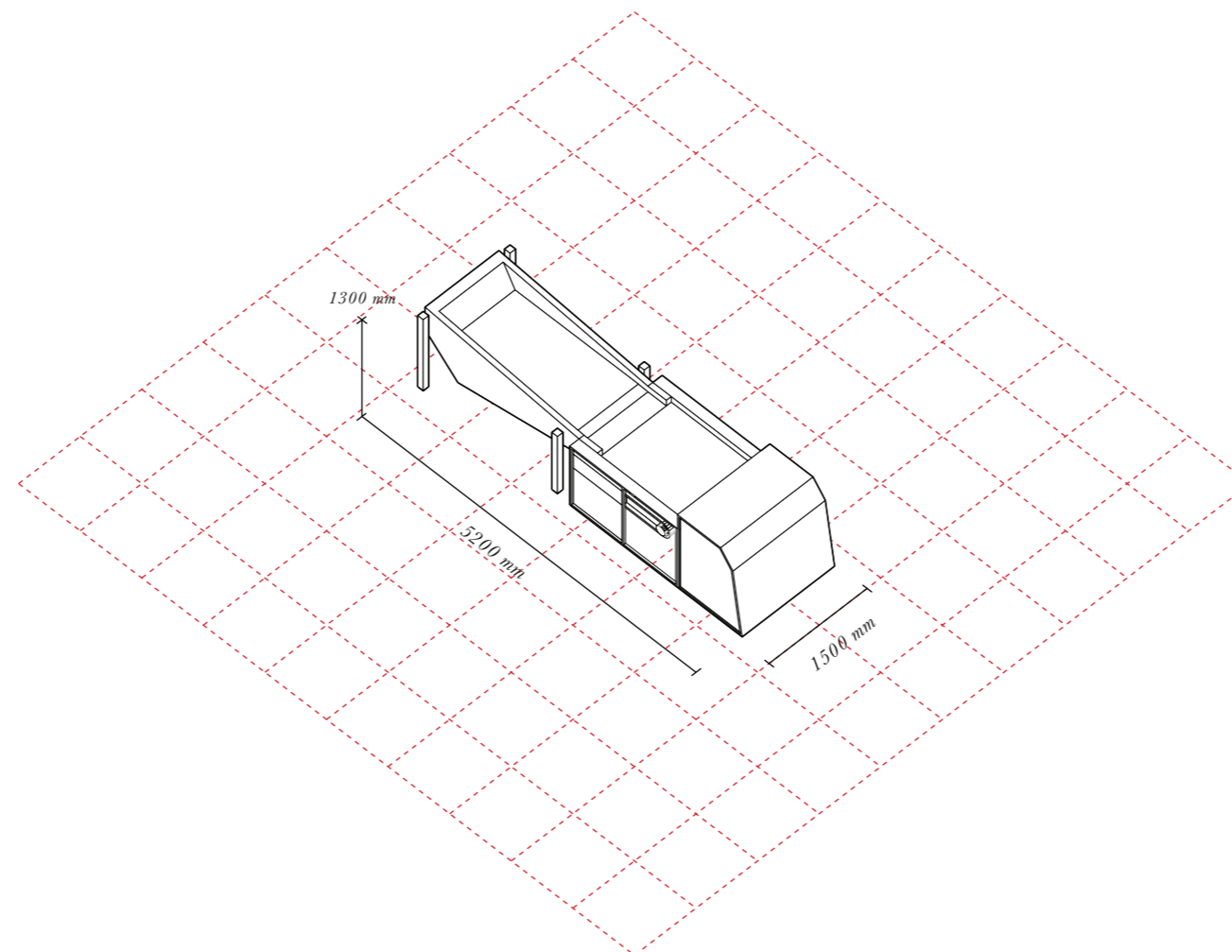
MACHINERY

EDDY CURRENT SEPERATOR



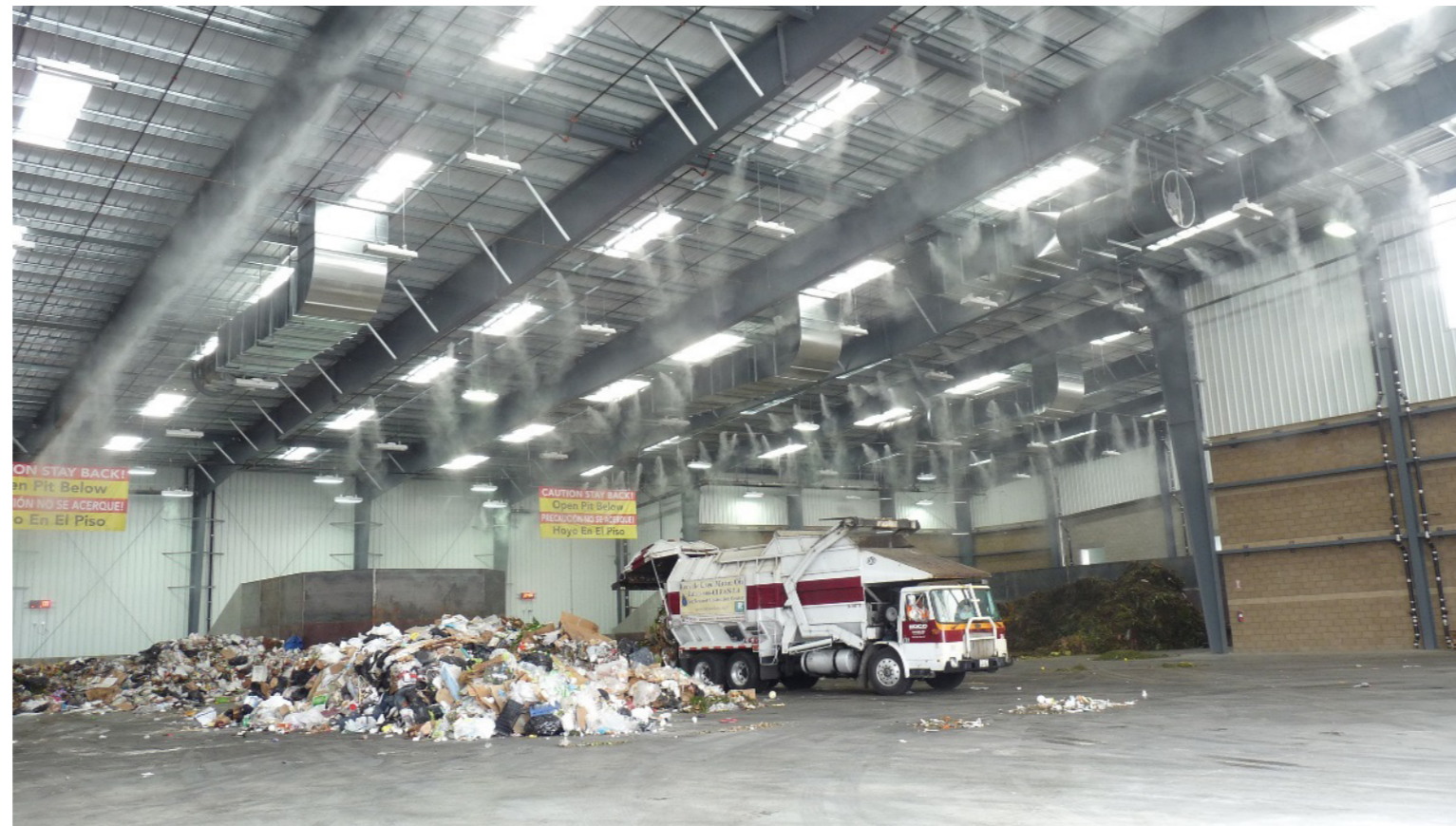
*Price : start around \$ 200.000
(could be 5 million, incl everything)*

Weights : around 3000kg



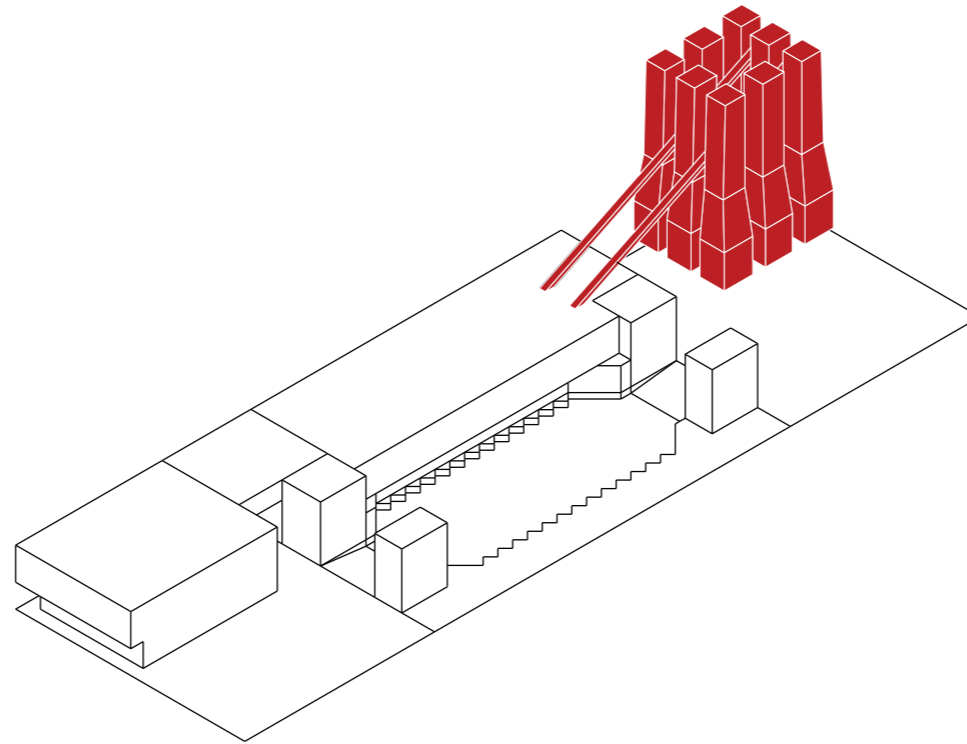
CLIMATE

MISTING AND ON NORTH SIDE



RECYCLING FACTORY

SILO STORAGE RAW MATERIALS



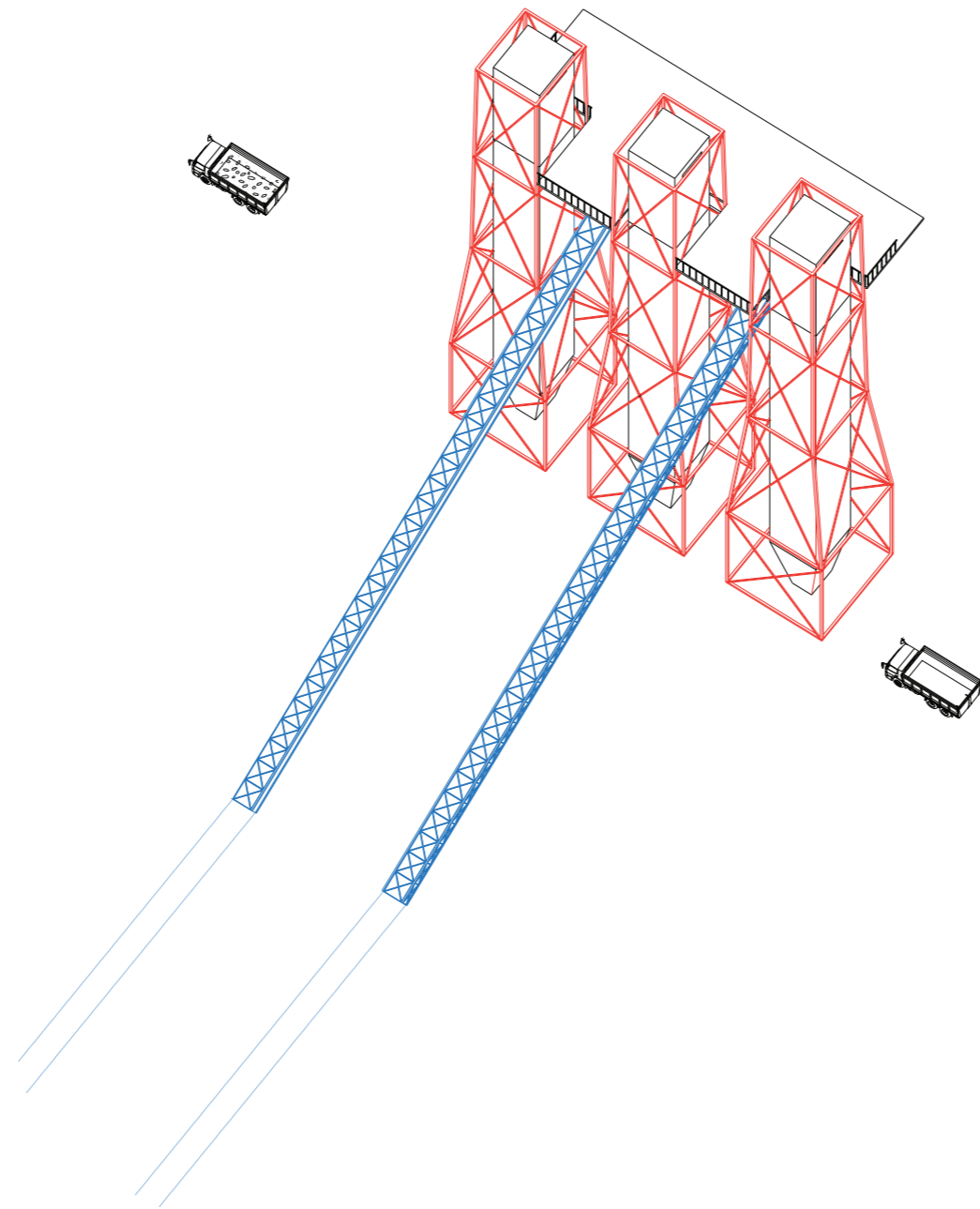
SILOS

COAL MINE LOADERS



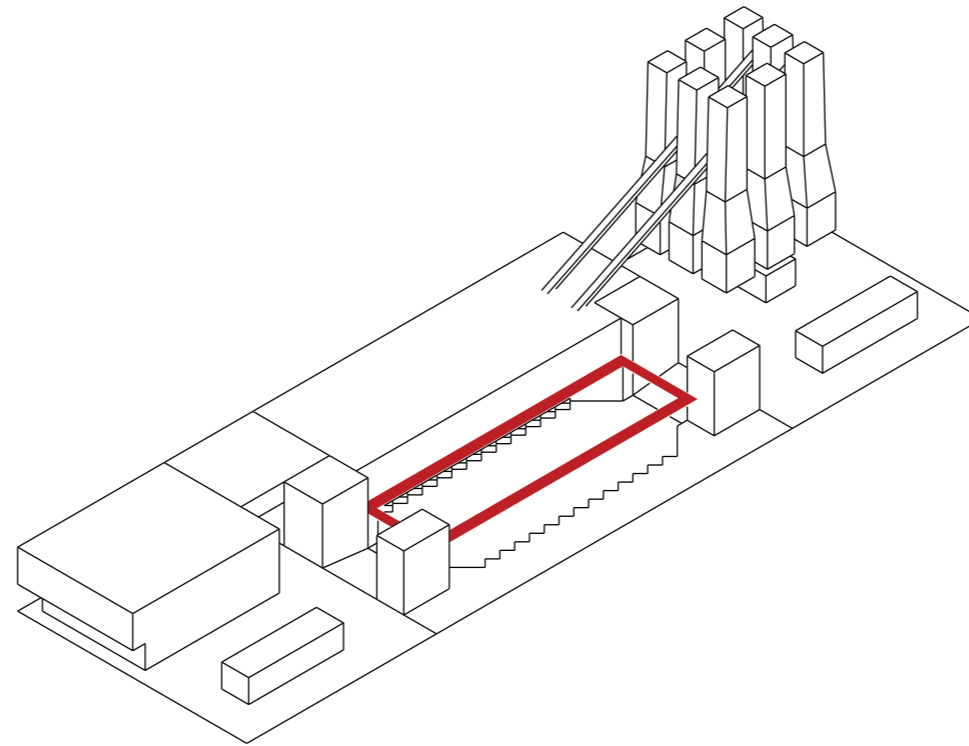
SILOS

LOADING TRUCKS



CENTRAL SPACE

OPEN SPACE



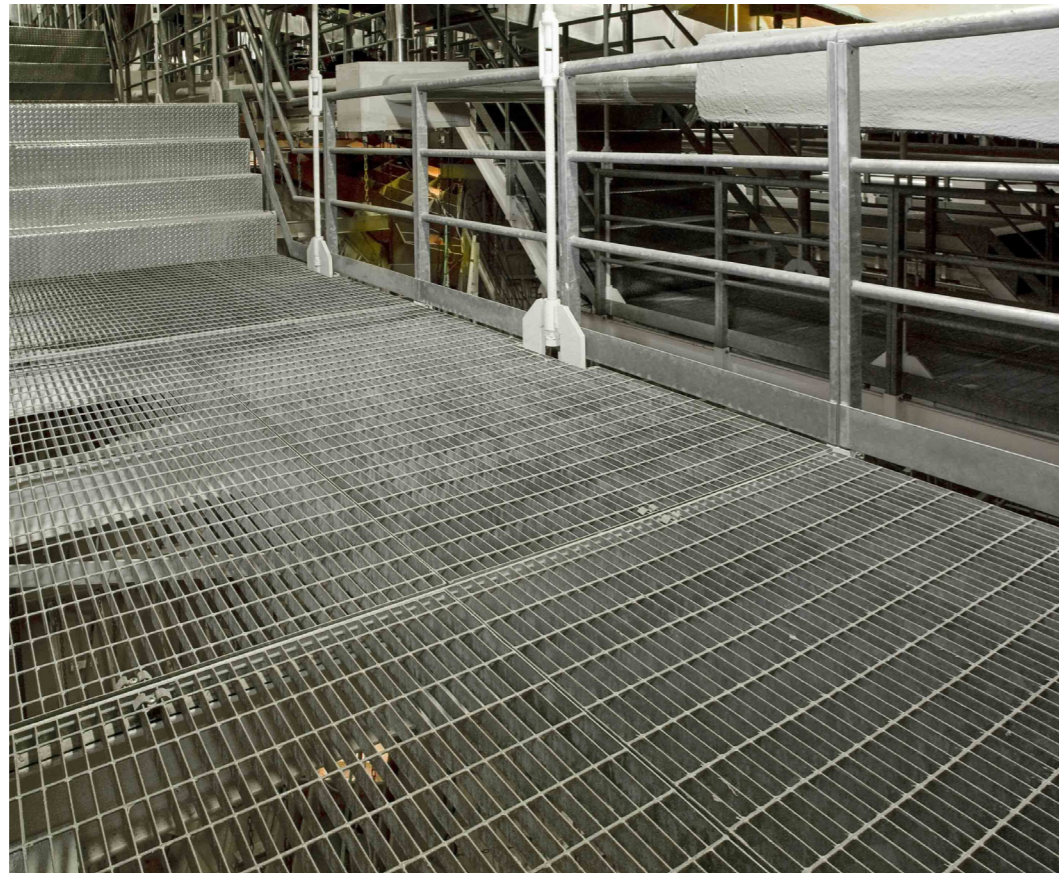
CENTRAL SPACE

REGISTERING INCOMING MATERIALS



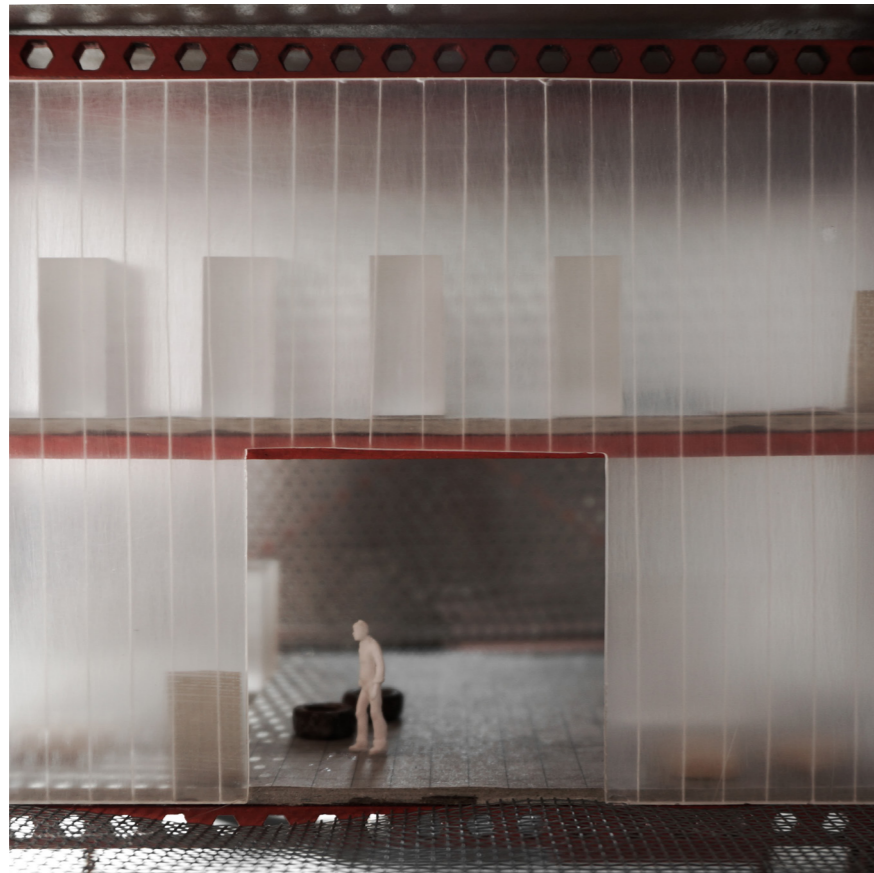
LOW TECH

LACATON VASSAL

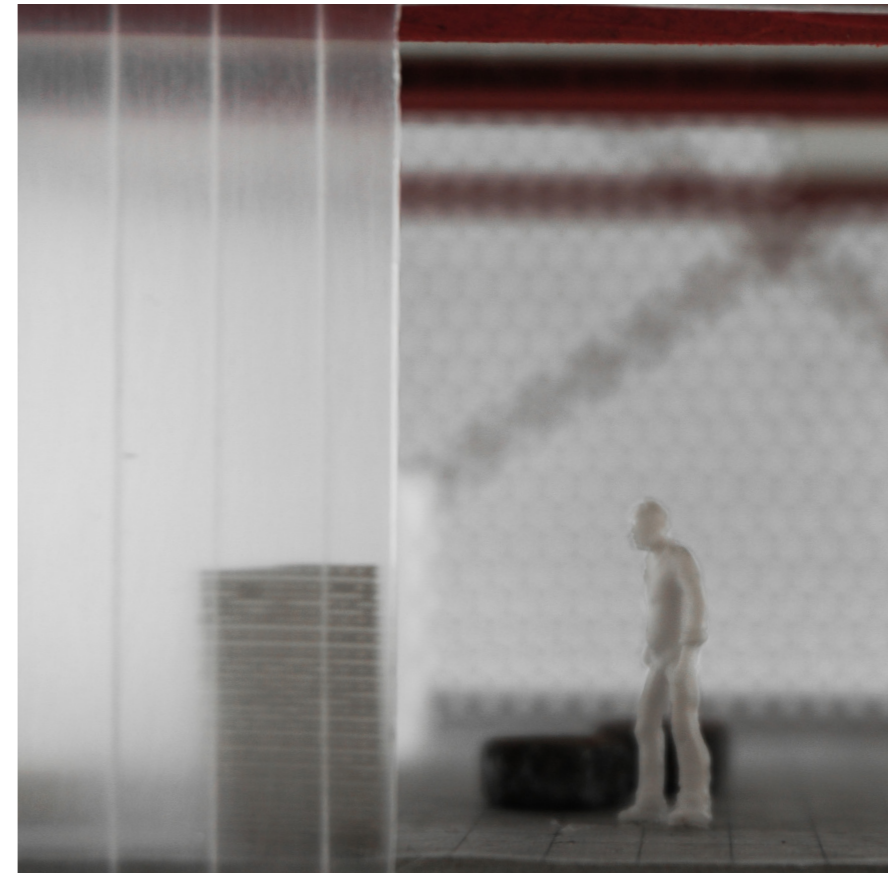


TRANSLUCENT MATERIAL

VISIIBILITY ACTIVITY WORKSHOPS



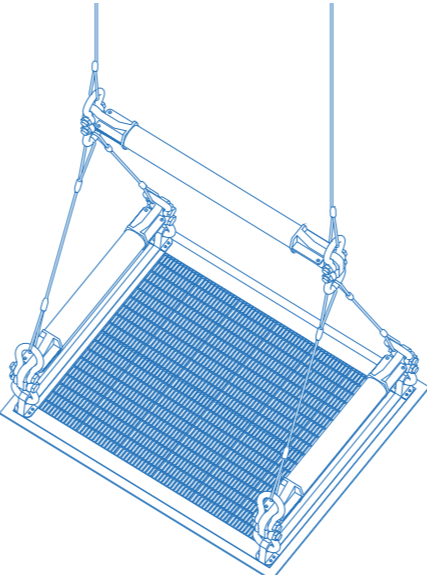
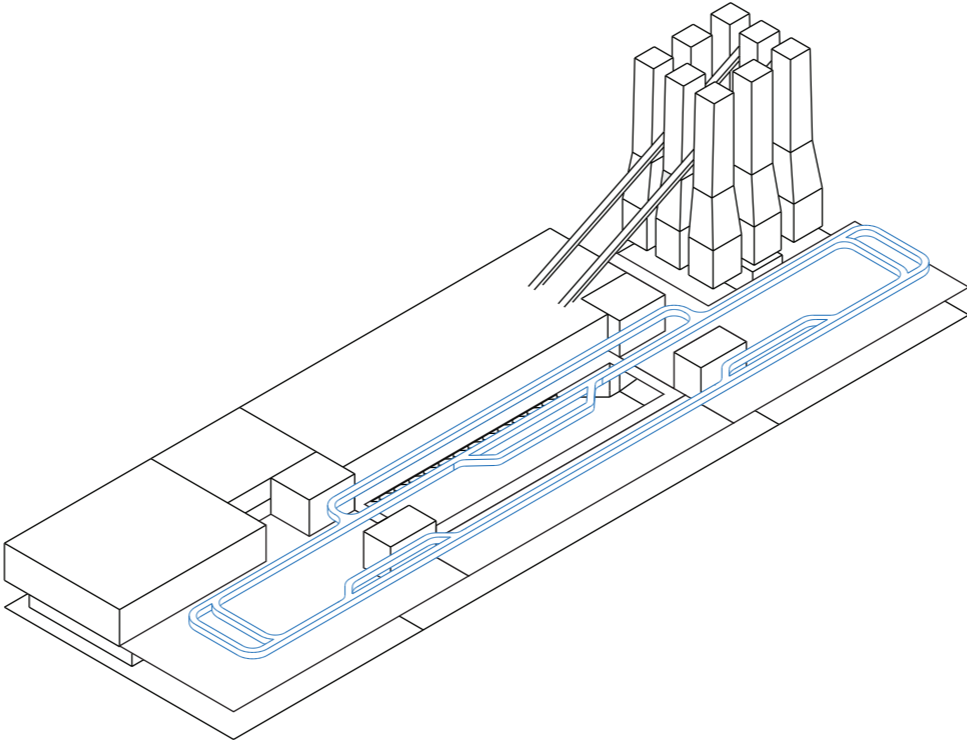
MATERIAL LAYERS



BLUR BETWEEN INSIDE AND OUTSIDE

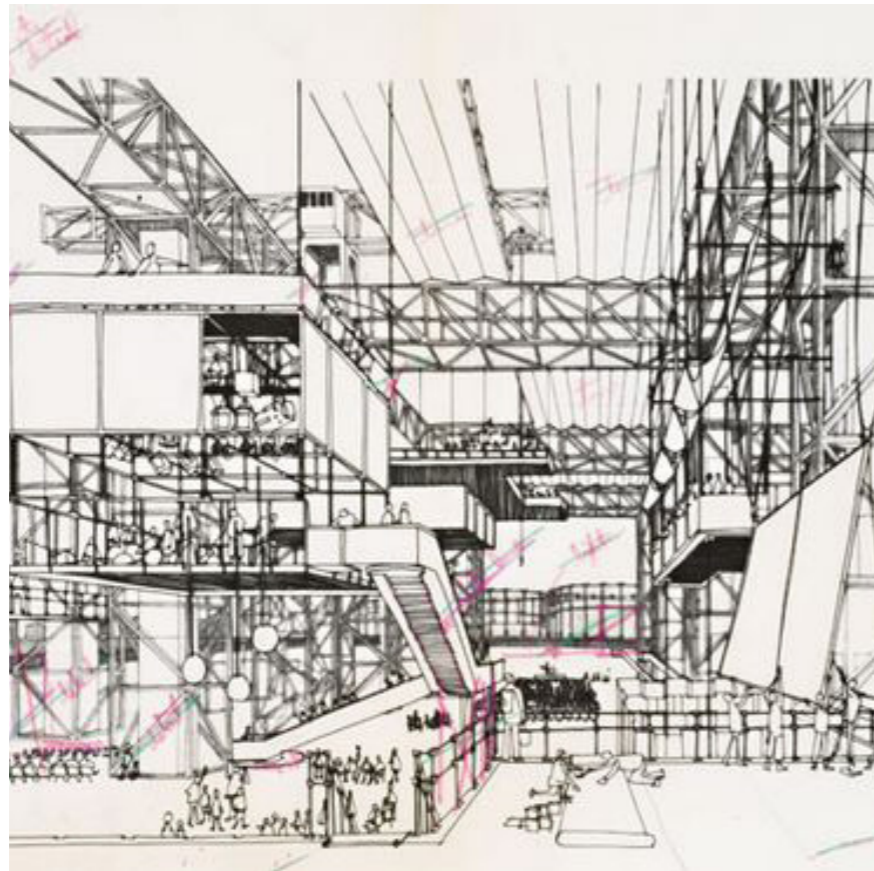
OVERHEAD CONVEYOR

MATERIAL FLOWS THROUGH BUILDING



INSPIRATION

MOVING AND INTERACTION



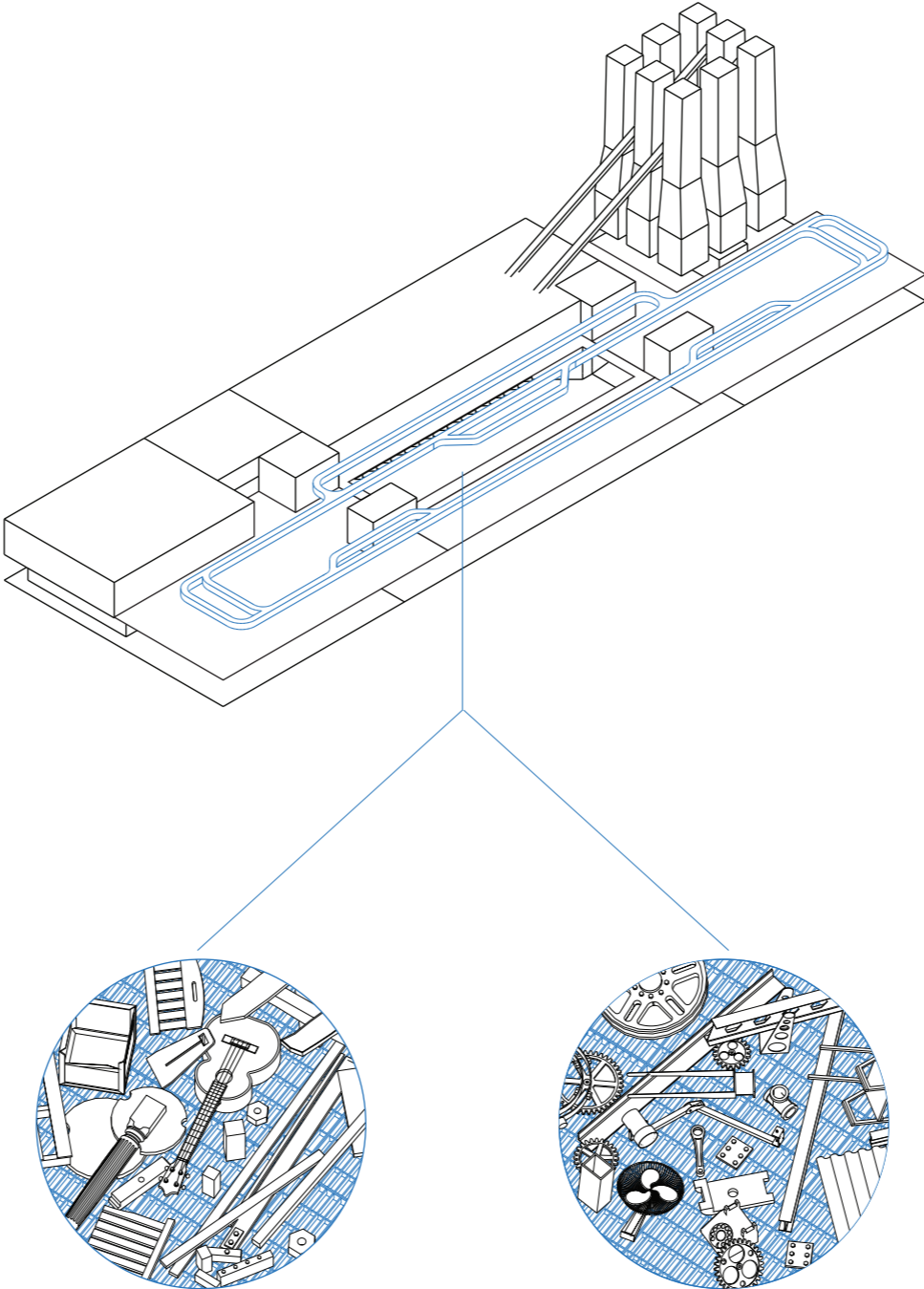
Cedric Price - Fun Palace



Mengel furniture workshop

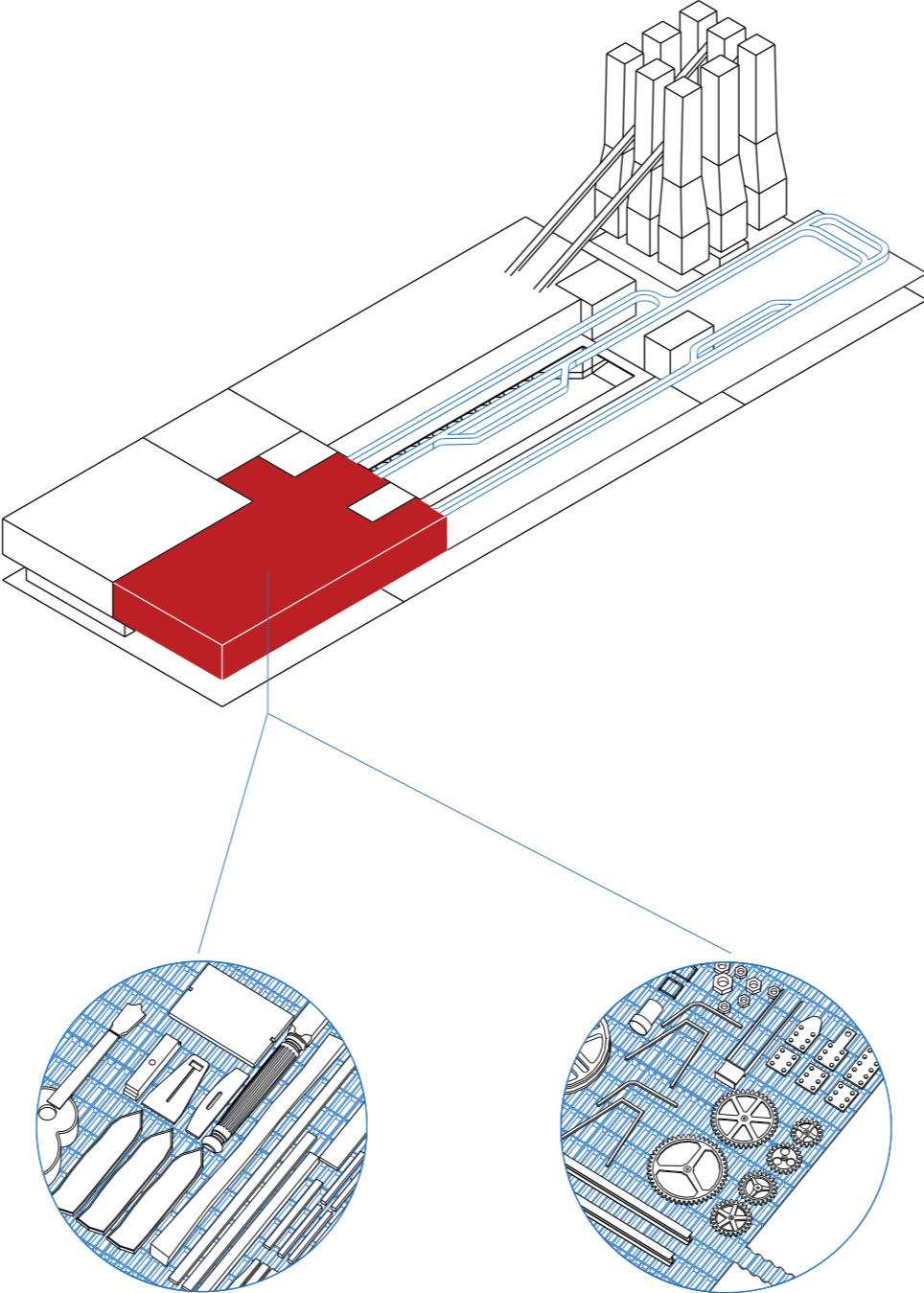
OVERHEAD CONVEYOR

SCRAP MATERIALS AND OBJECTS



DISSASSEMBLY & REPAIR

MATERIALS ARE DISSASSEMBLED AND CATEGORIZED



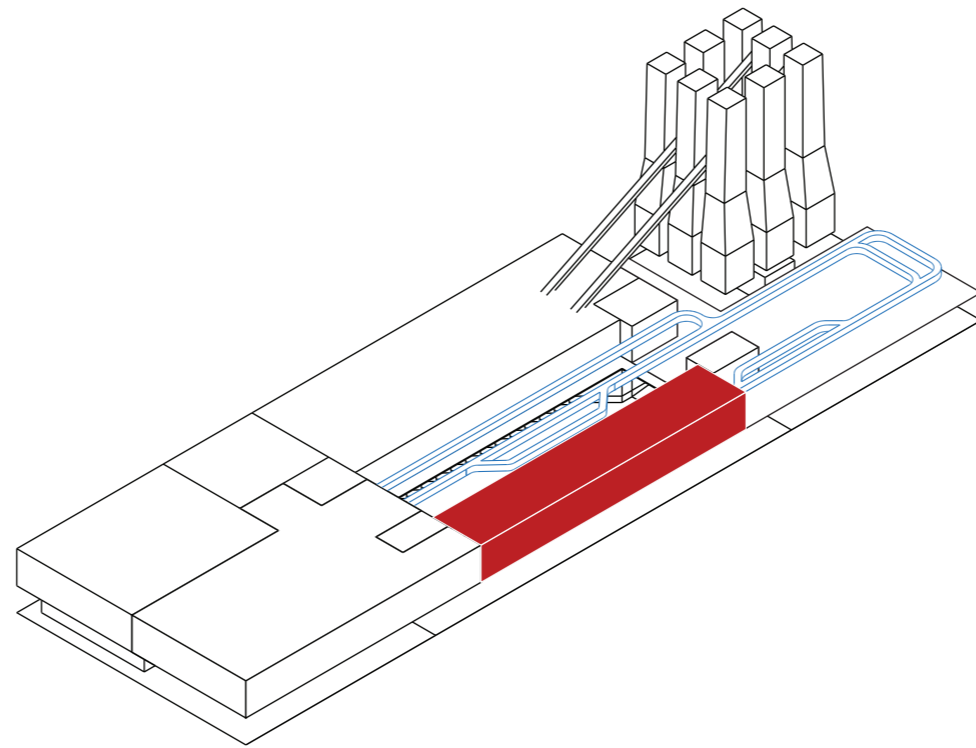
DISSASSEMBLY & REPAIR

MOVABLE SHELVES FOR STORAGE



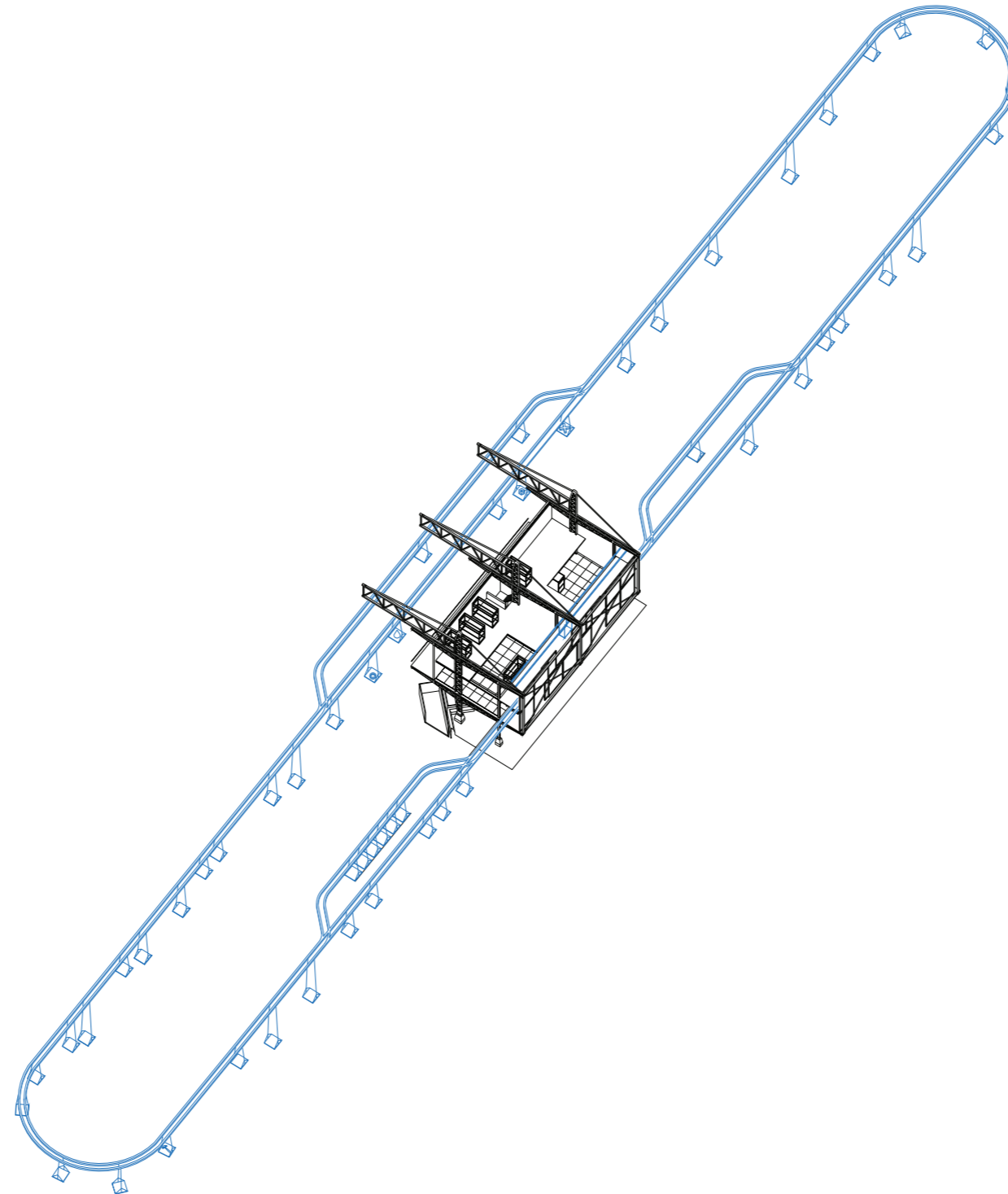
WORKSHOP AREA

UPCYCLING OLD MATERIALS AND OBJECTS



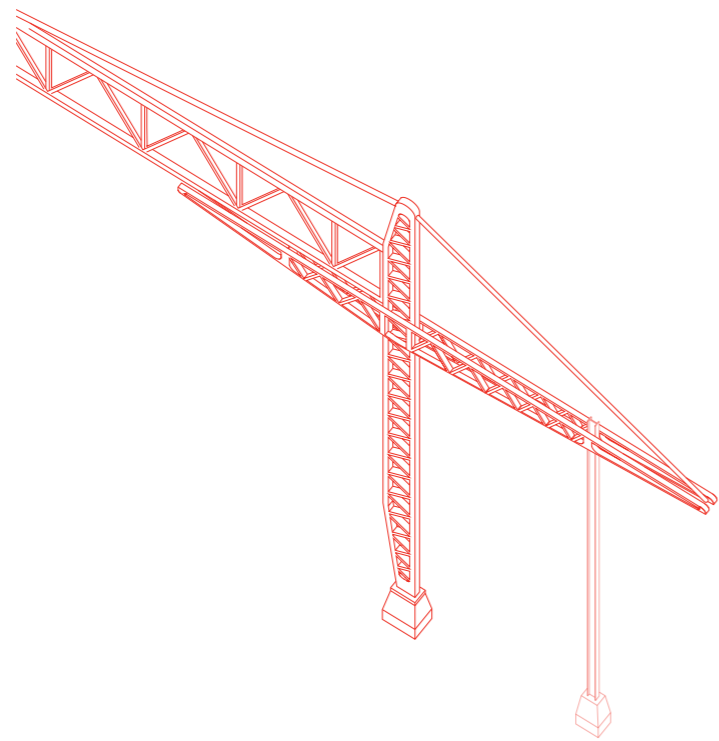
WORKSHOP AREA

OVERHEAD CONVEYOR BRINGS MATERIALS



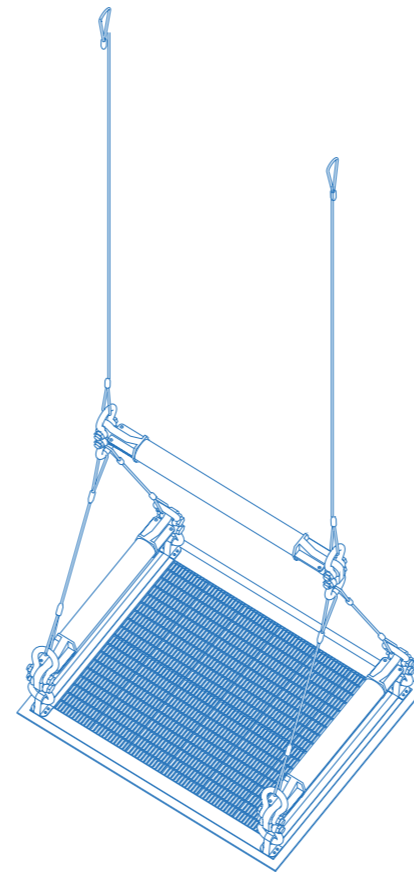
HIERARCHY

STRUCTURE, MACHINE AND CORES



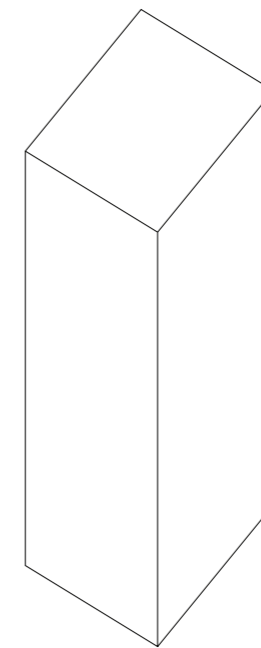
steel structure

colour : red



machinery

colour : blue

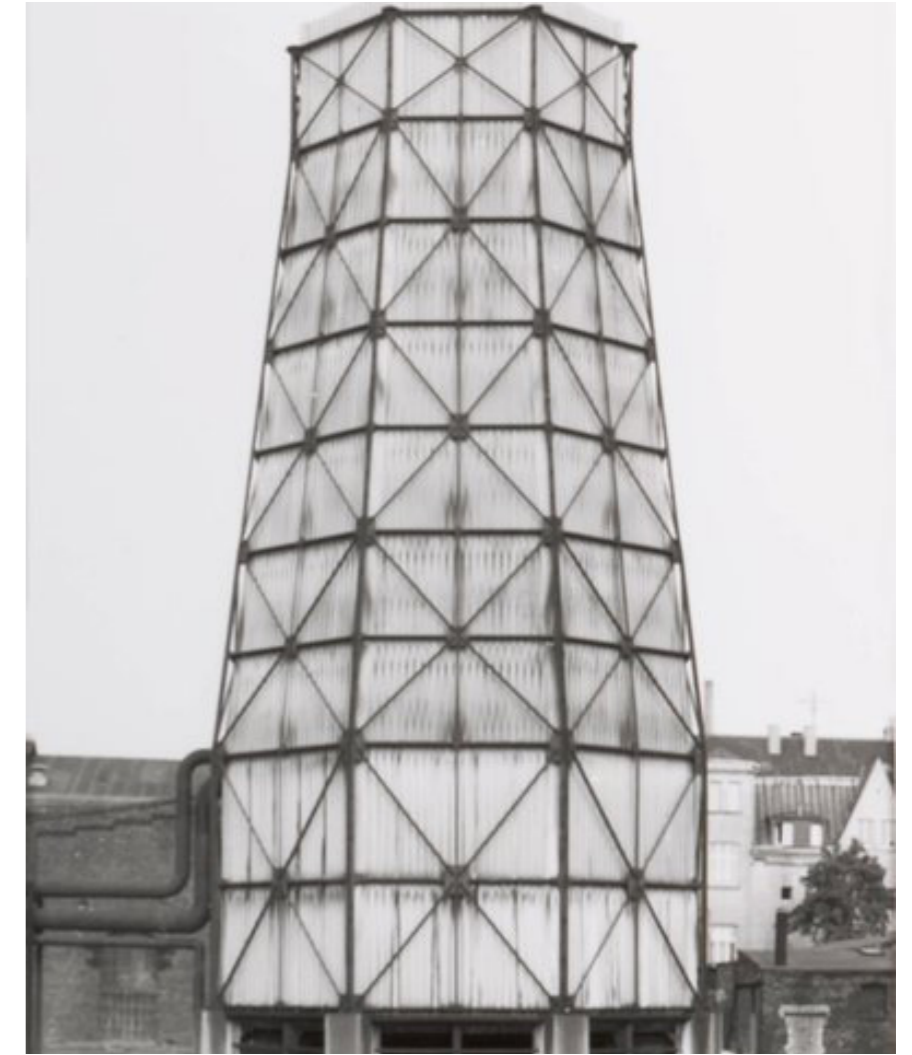
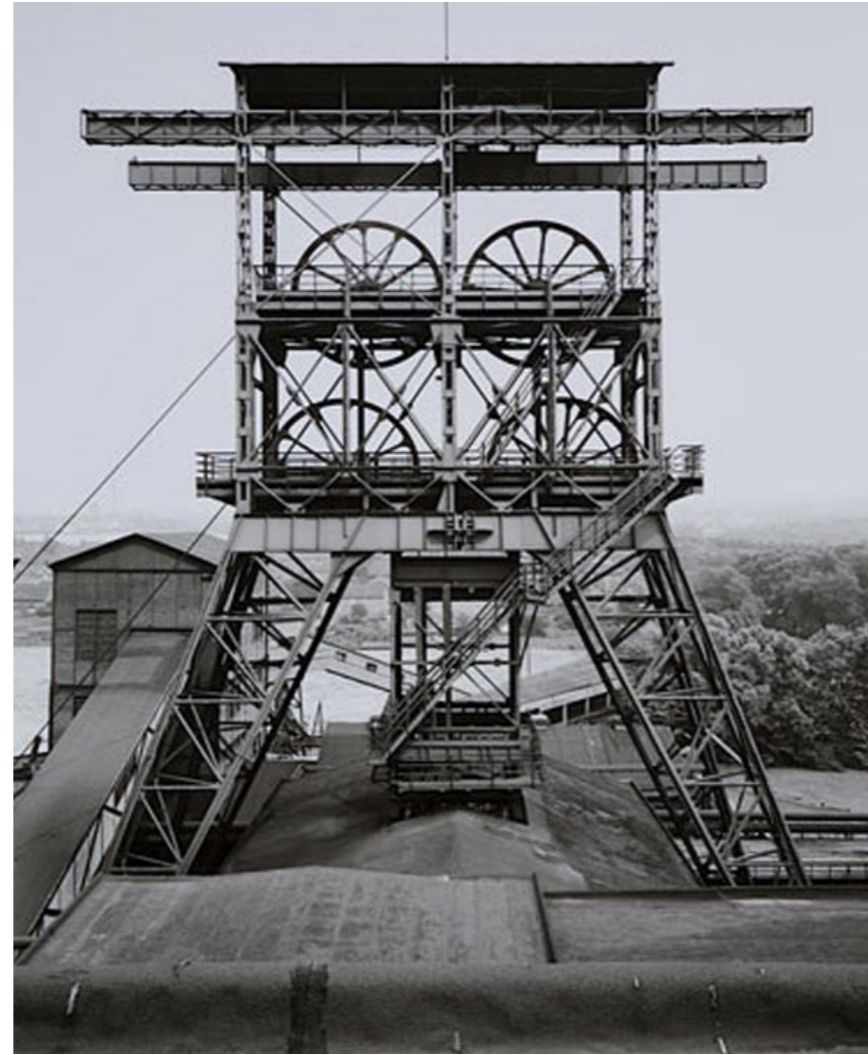


main cores

material : grey concrete

REFERENCES

CUBA SKIPPED INDUSTRIAL PERIOD



COLOUR SCHEME

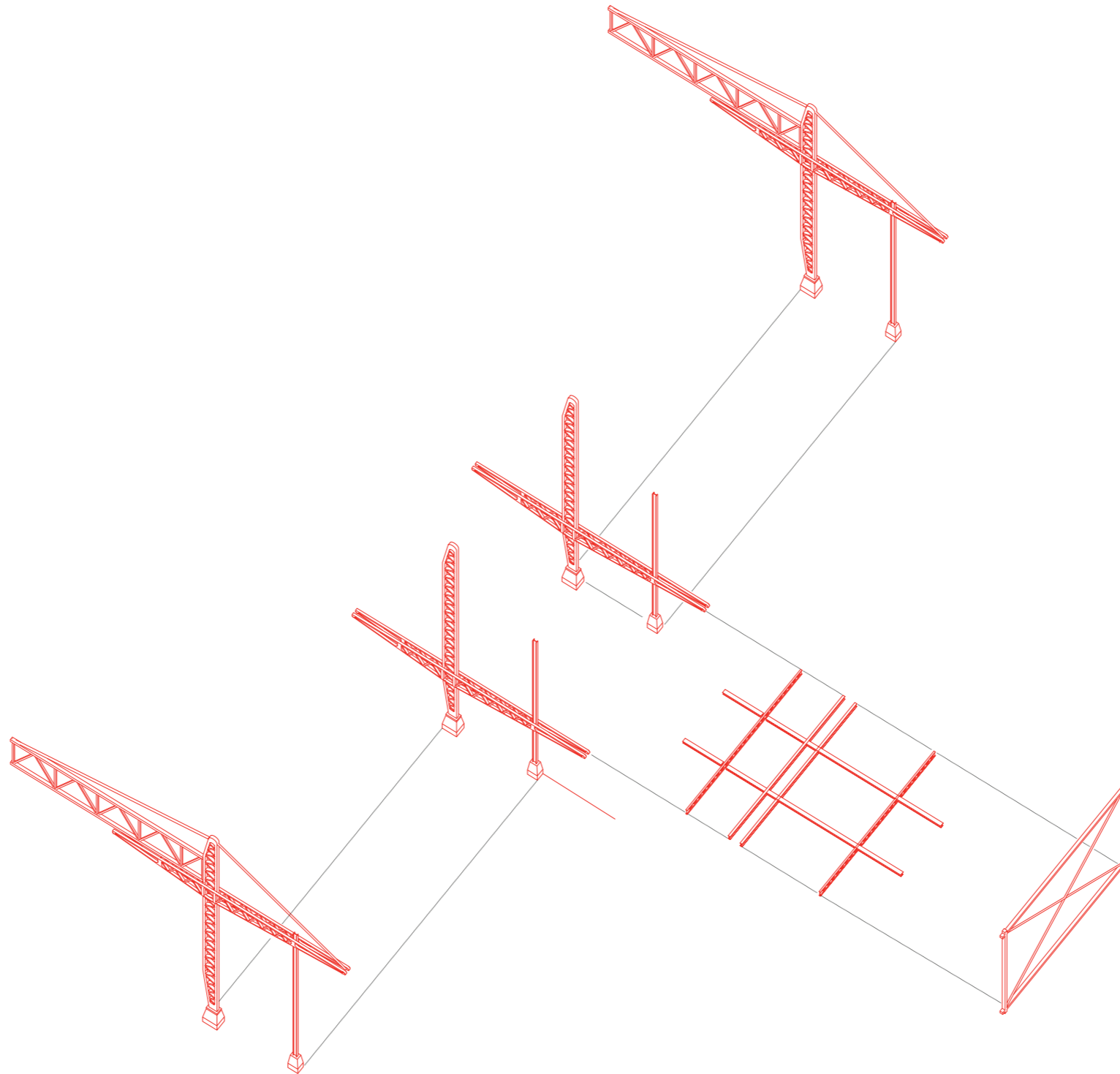
CHARACTER AND EMPHASIZE CONCEPT



character and identity

STRUCTURE PRINCIPLE

CRANE LIKE STRUCTURE

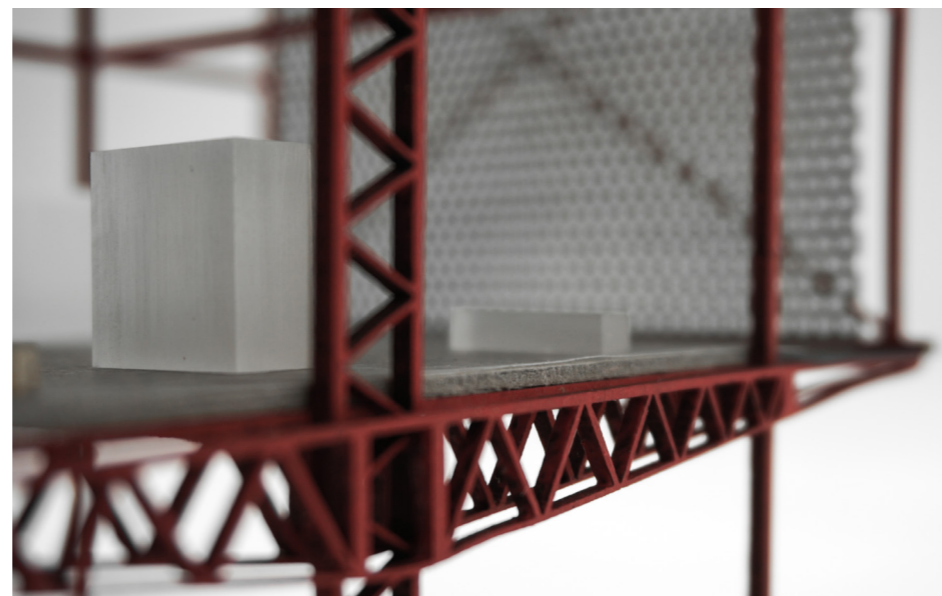


STRUCTURE

CRANE LIKE STRUCTURE



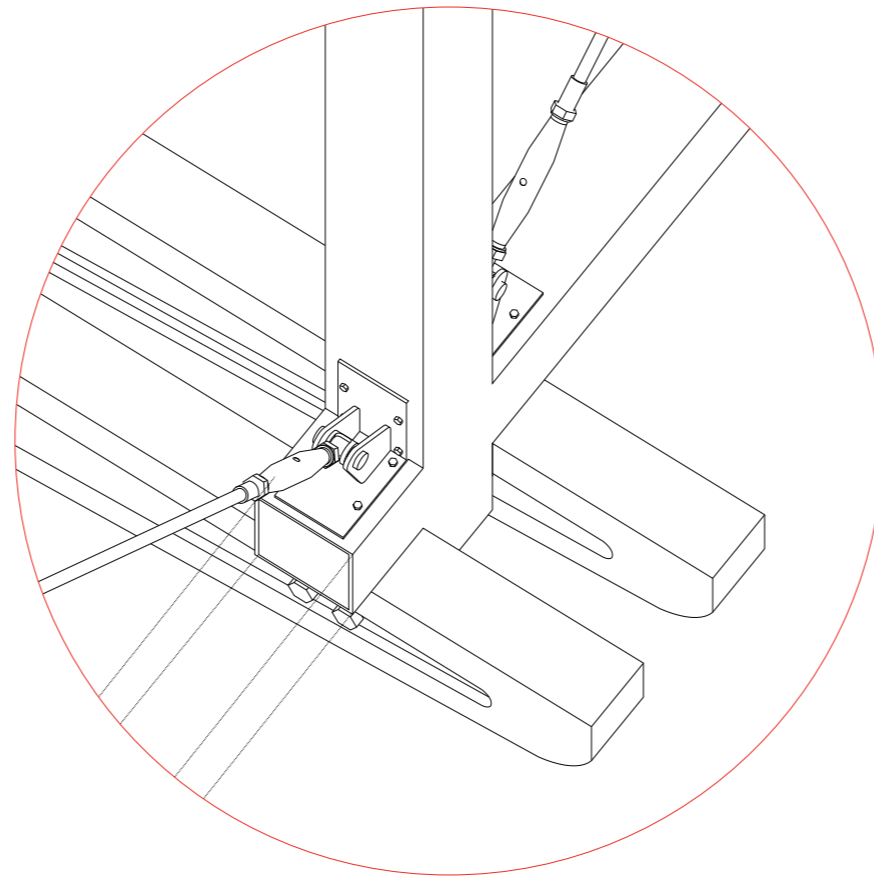
emphasizing elevated mass



tension and balance in structure

DETAIL

FRAMING UNITS



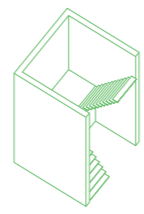
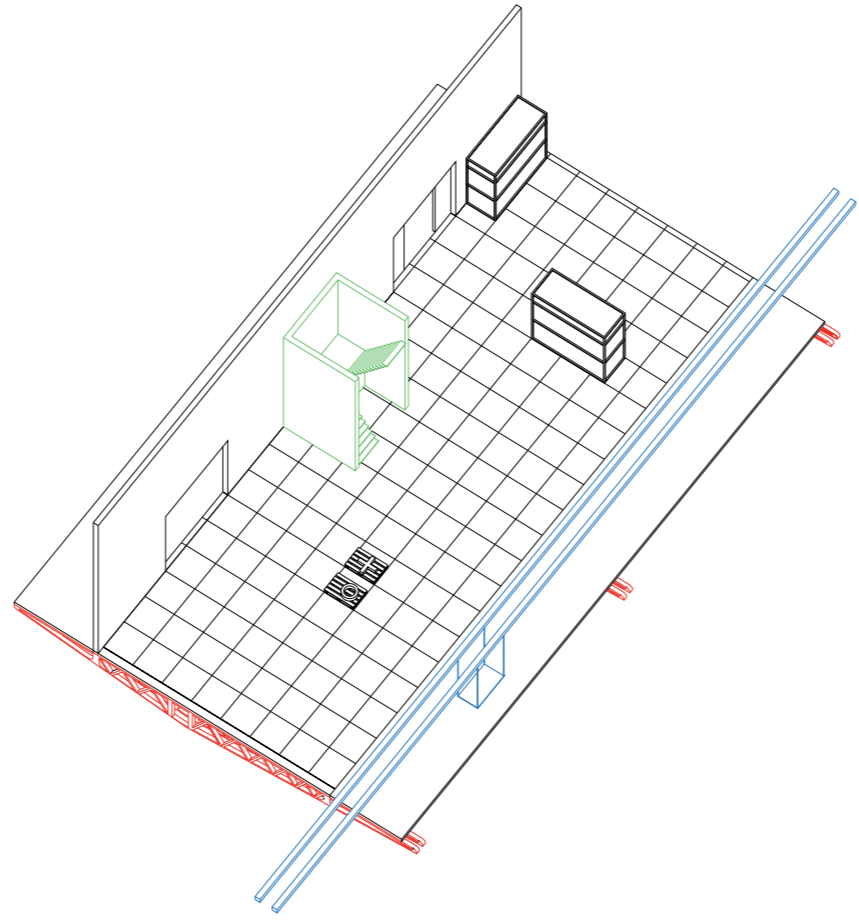
WORKSHOP UNITS

TALLER JUAN & RAMOS

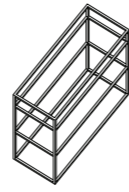


WORKSHOP UNITS

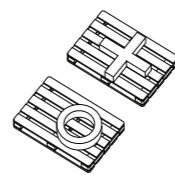
ELEMENTS DEFINING SPACE



workshop core



movable shelves



*materials
& objects*

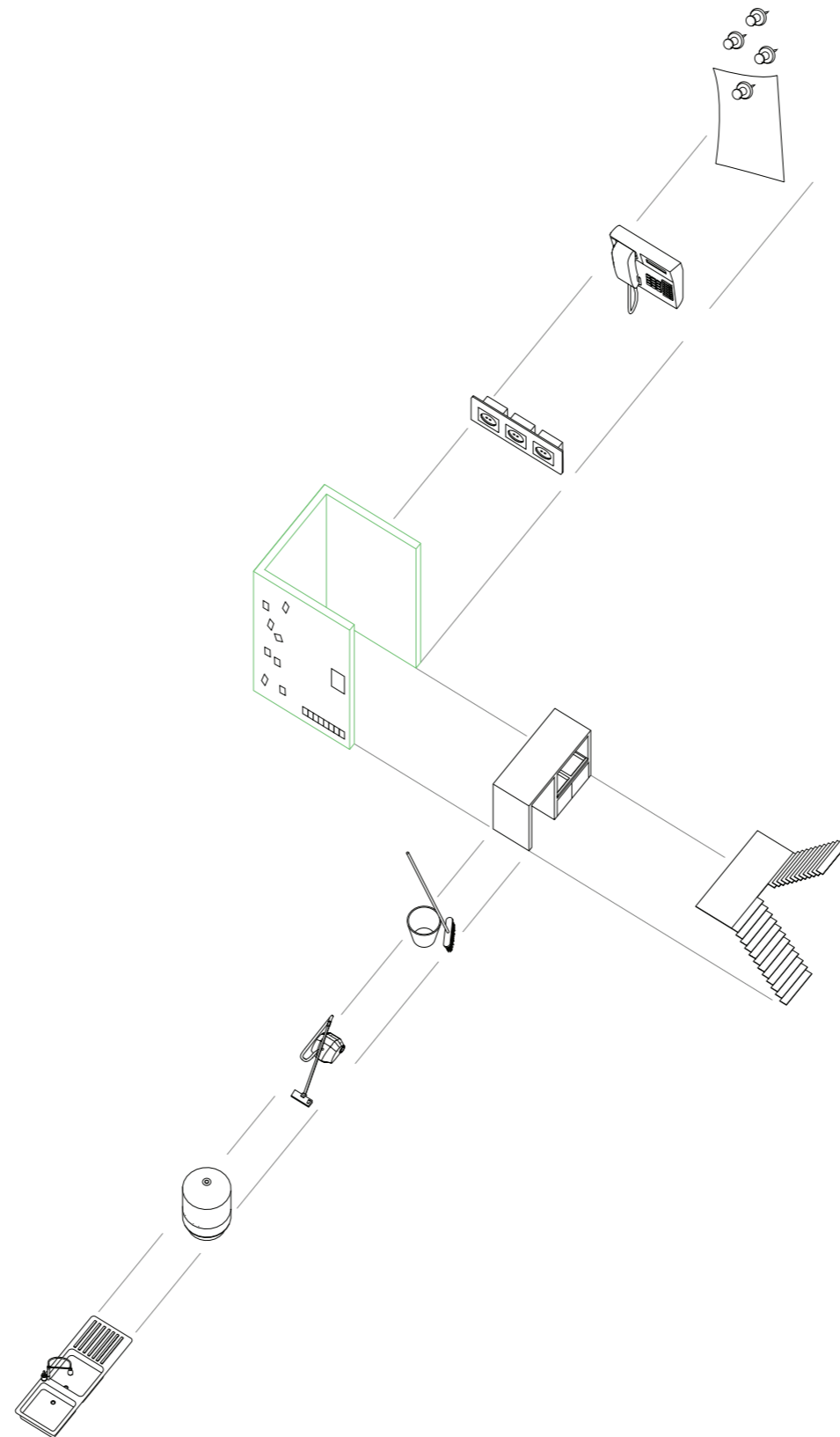
REFERENCE

ANDY WARHOL - SILVER FACTORY



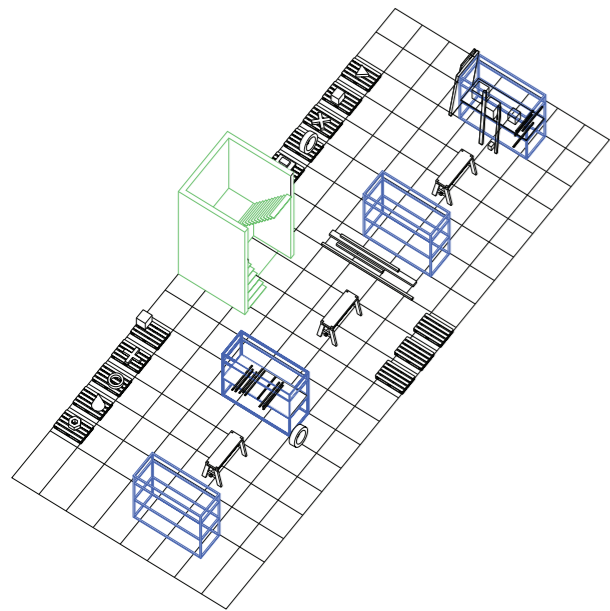
WORKSHOP CORE

NECESSARY FUNCTIONS

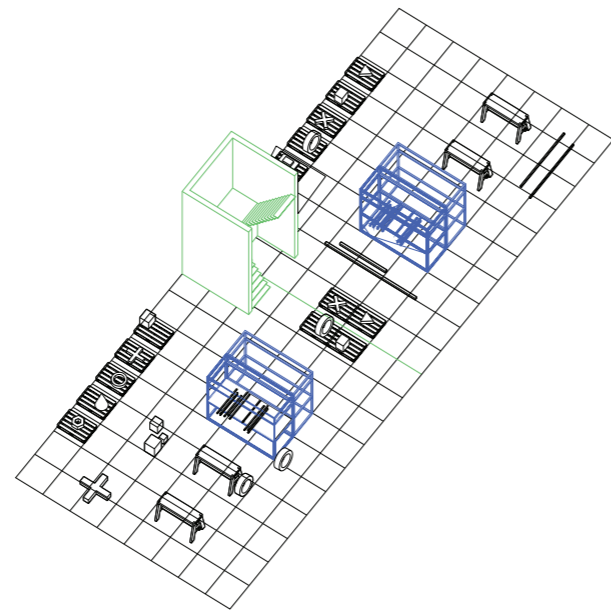


WORKSHOP UNITS

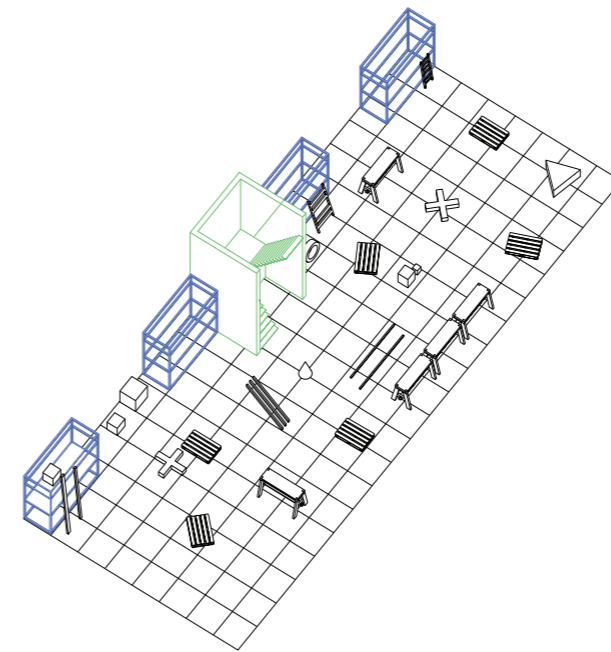
FLEXIBILITY OF SPACE



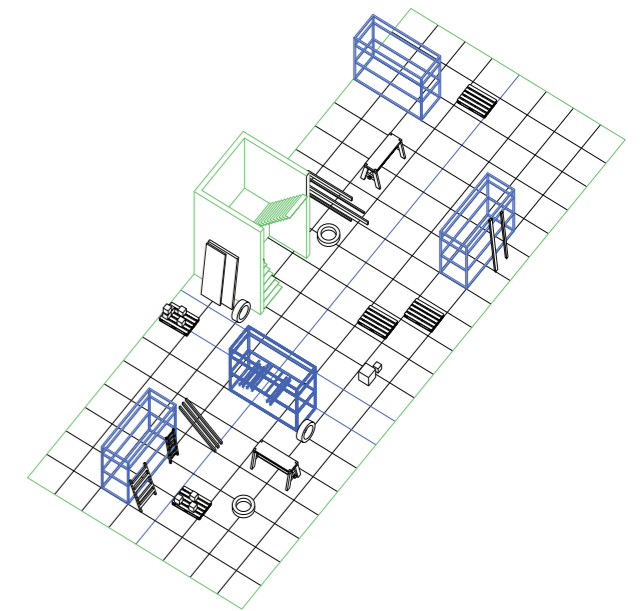
smaller equal spaces



larger equal spaces



open spaces



random spaces

WORKSHOP UNITS

STORAGE & VISITORS



RELATION BETWEEN SPACES

SECOND FLOOR

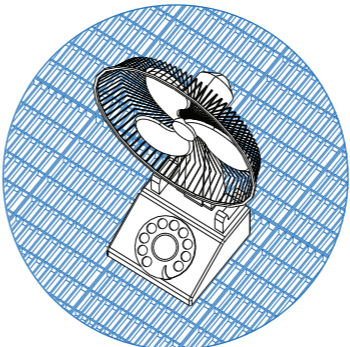
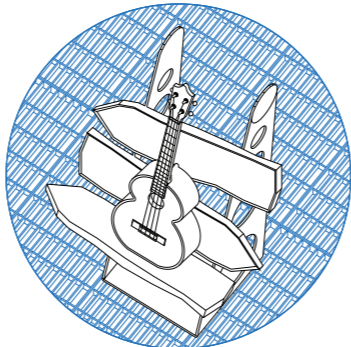
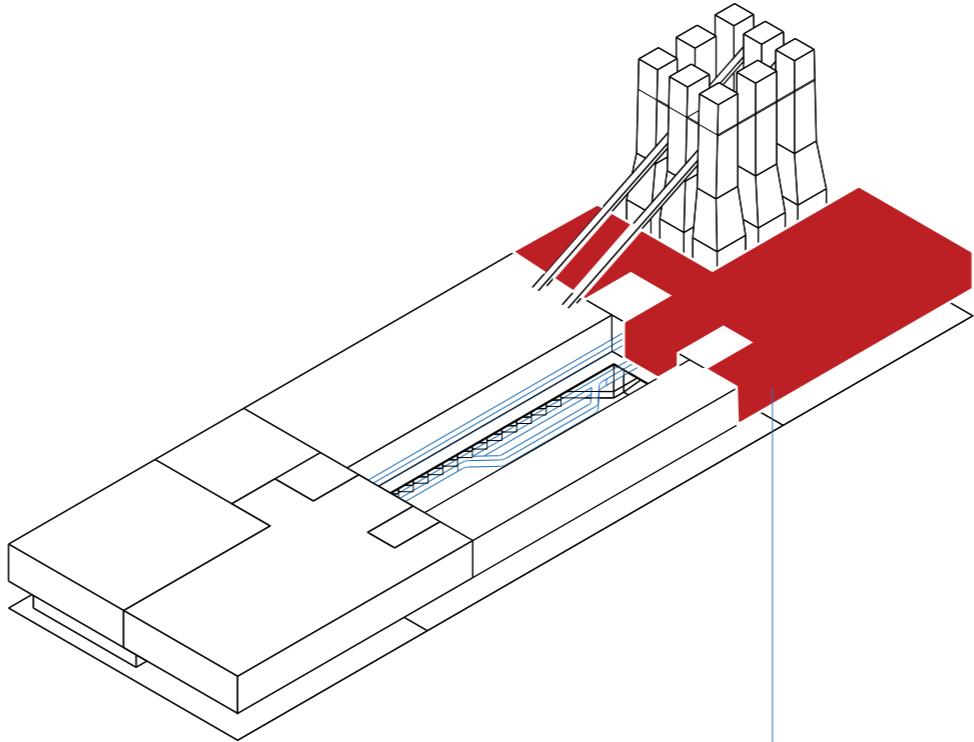
STORAGE & VISITORS



VISUAL CONNECTION TO WORK FLOOR

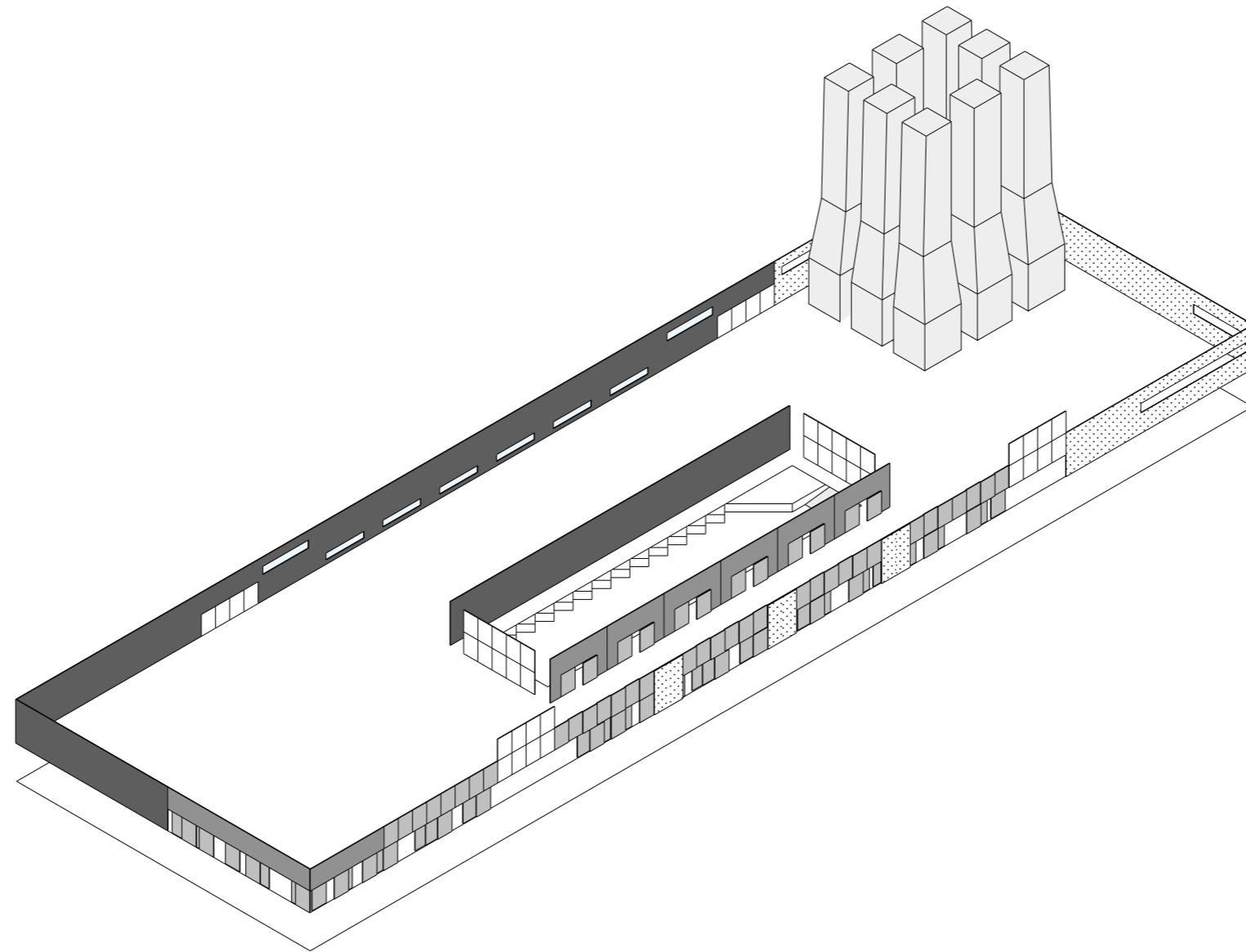
ORGANIZATION

WAREHOUSE



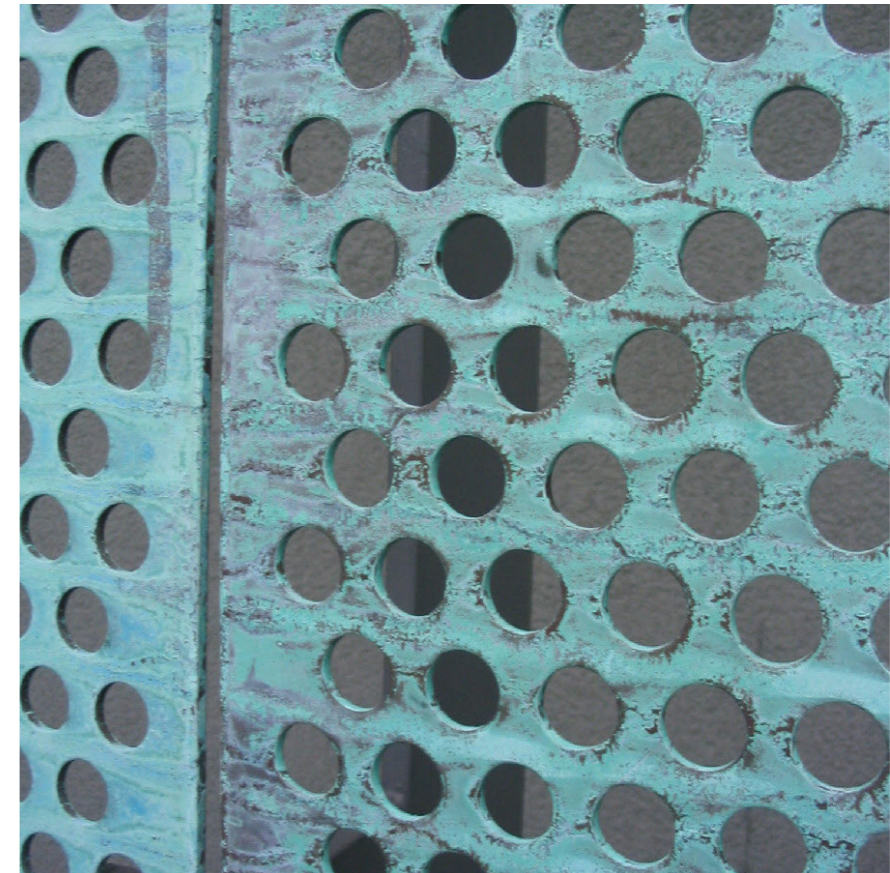
FACADE LAYOUT

DIFFERENT FACADE TYPOLOGIES



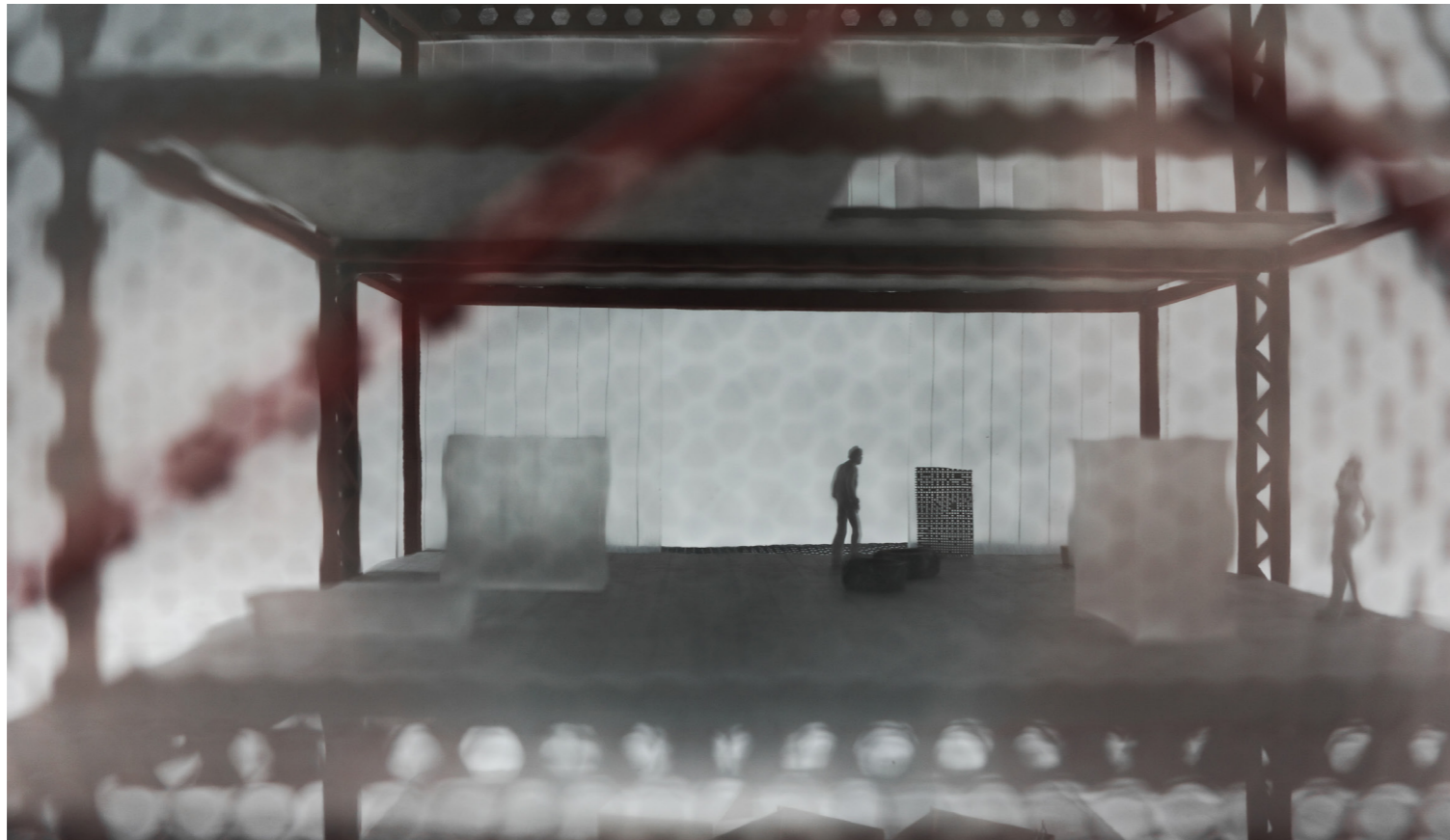
PERFORATED MATERIALS

SIMPLE MATERIALS

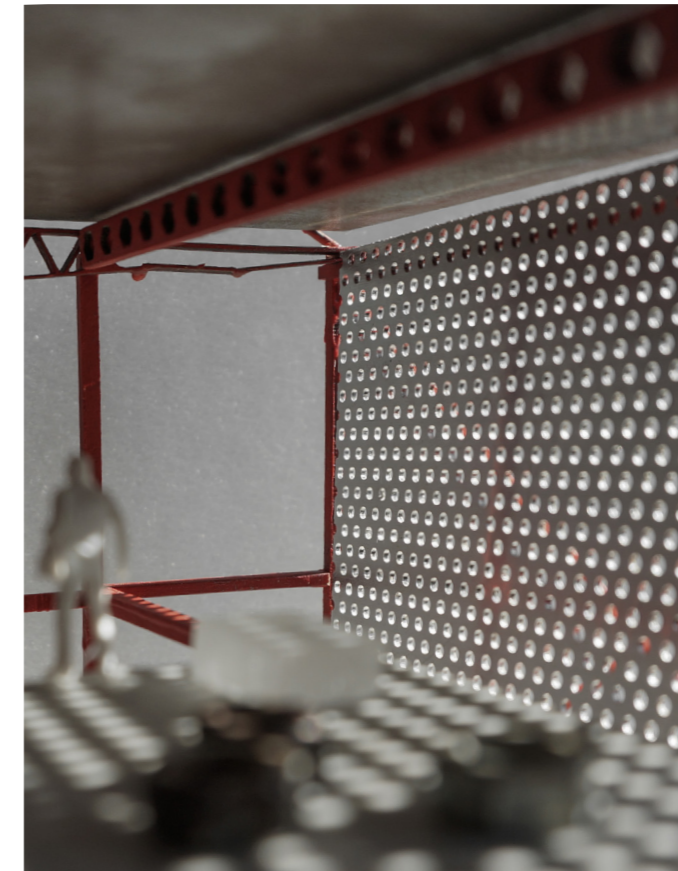


PERFORATED MATERIAL

PUBLIC WAREHOUSE



CLOSE BY : TRANSPARENCY



DISTANCE : MASS

HOW TO ASSEMBLE

REUSING, EASY TO ASSEMBLE, LOW TECH



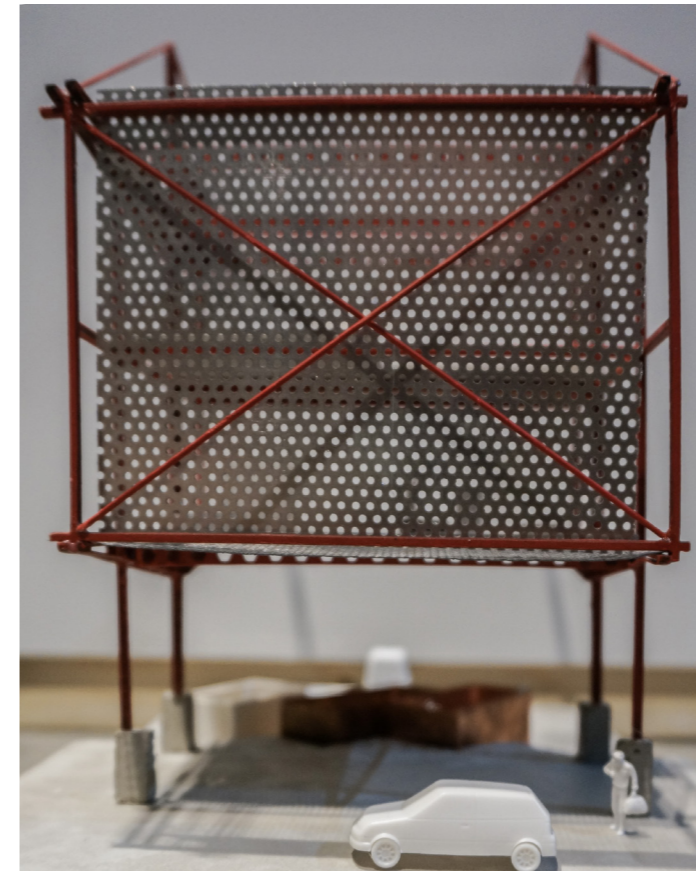
ALAMAR GARAJES

REUSING EXISTING SHEETS



FACADE

DIFFERENT TYPES



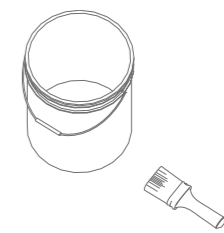
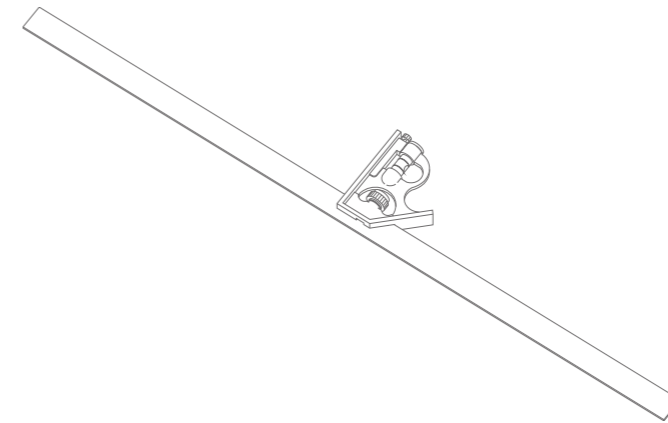
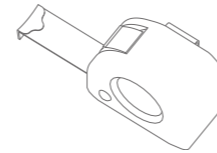
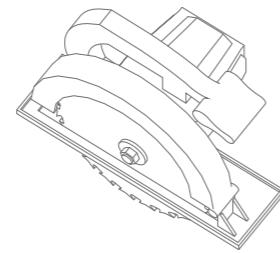
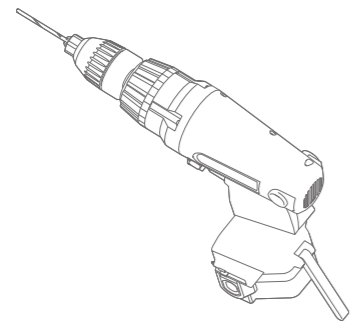
EASY TO ASSEMBLE

DO IT YOURSELF



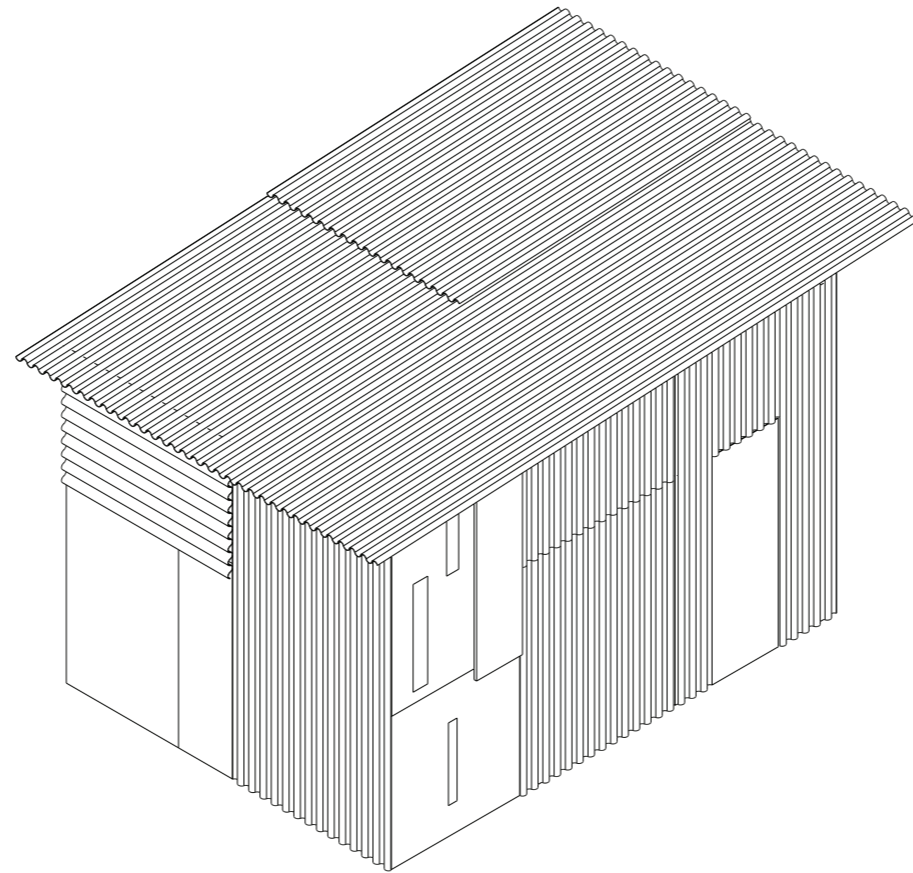
TOOLS

NECESSARY TOOLS FOR ASSEMBLING FACADE



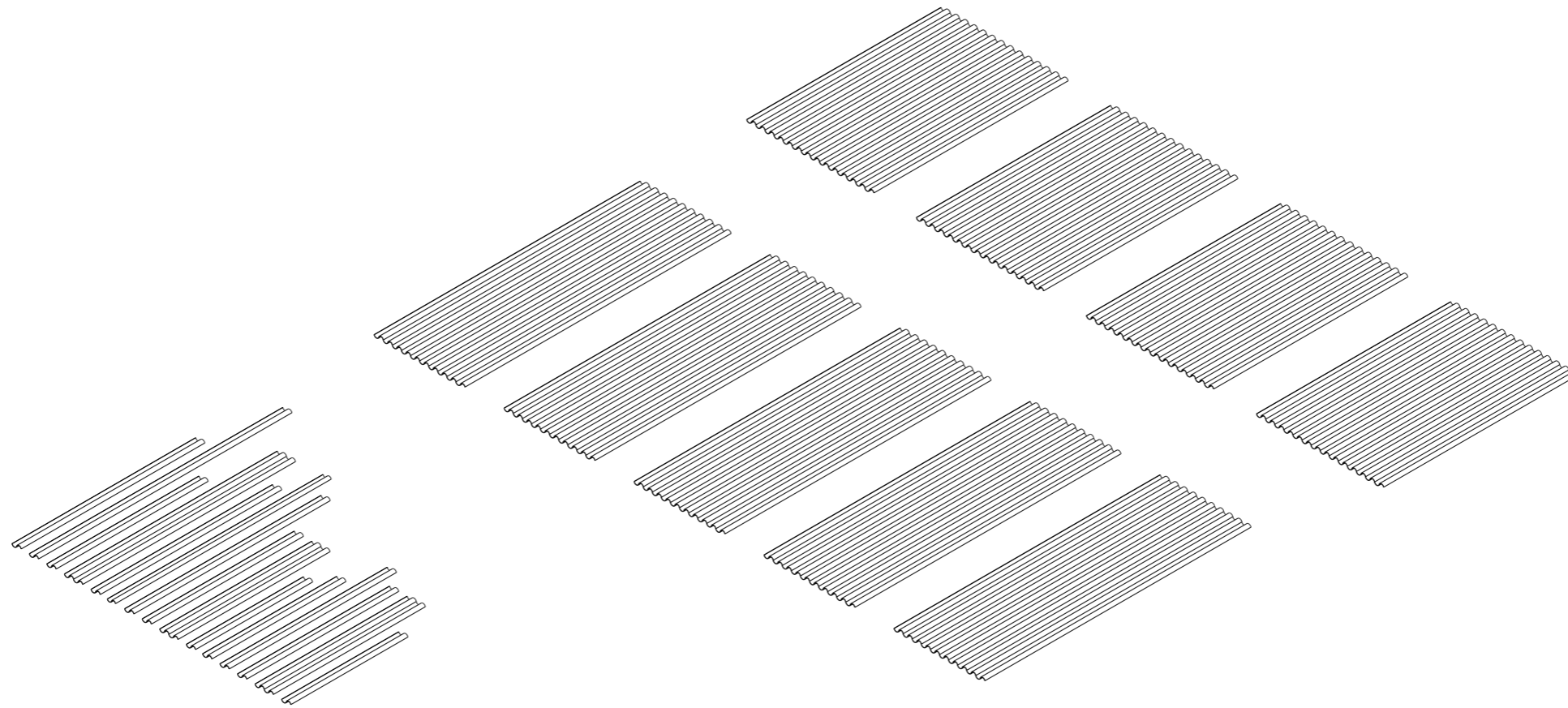
GARAJE

EXISTING GARAJE



CORRUGATED SHEETS

SORTED AND CUTTED PER FORMAT

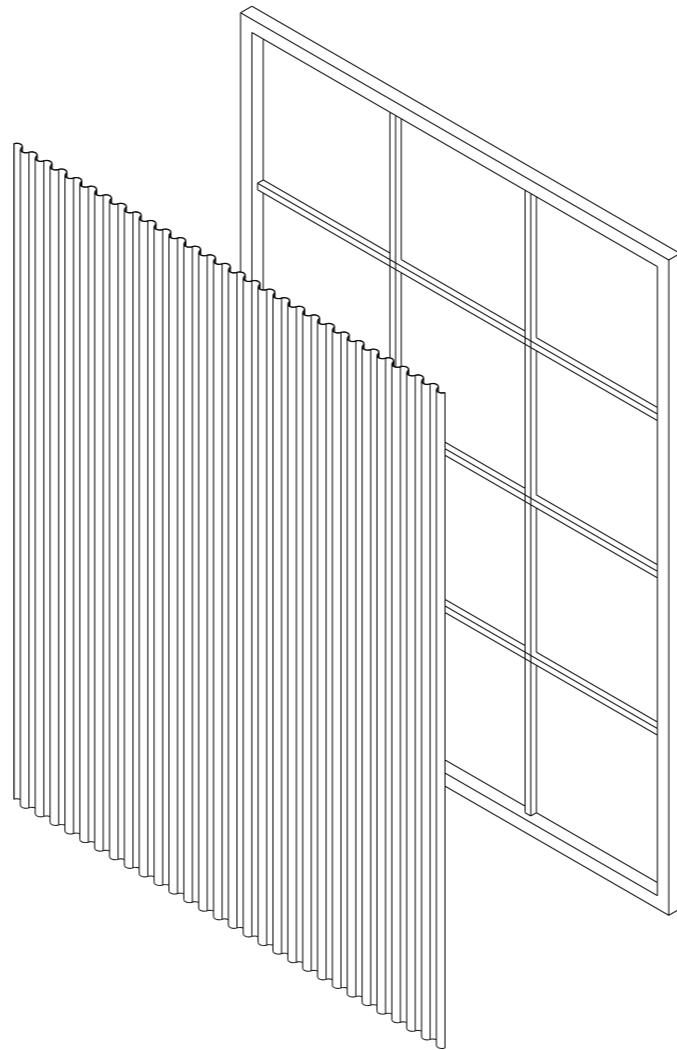


LEFT OVERS USED FOR SILO'S

USABLE SHEETS

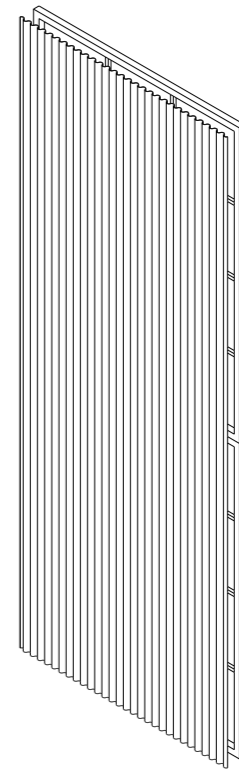
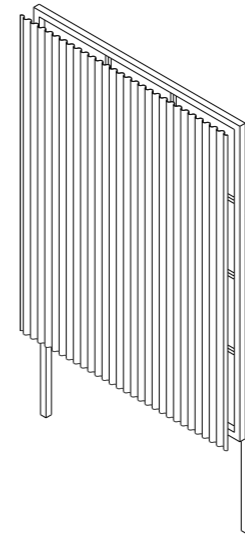
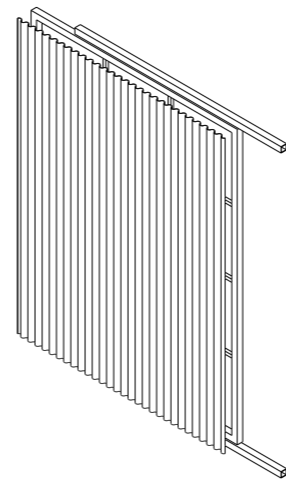
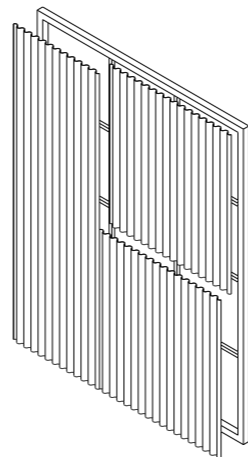
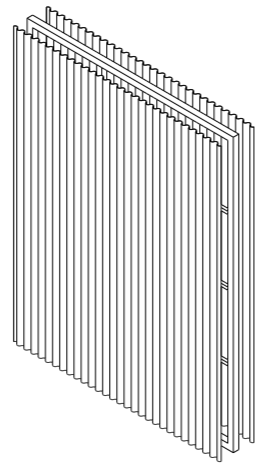
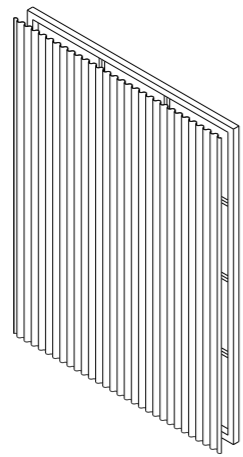
FACADE ELEMENT

CORRUGATED SHEET ON FRAME



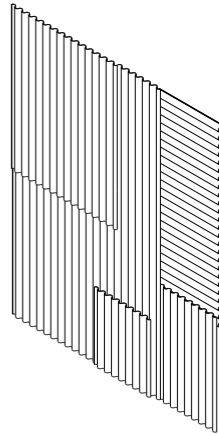
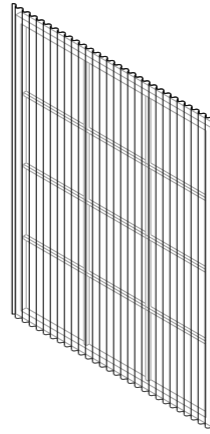
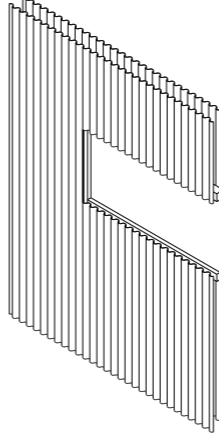
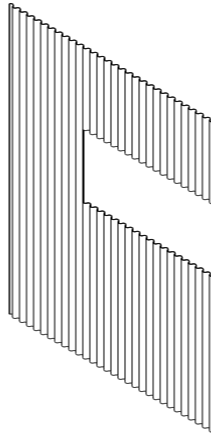
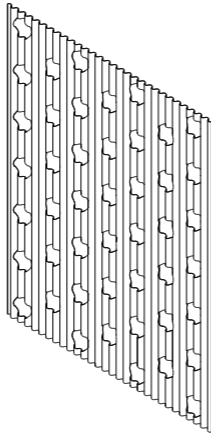
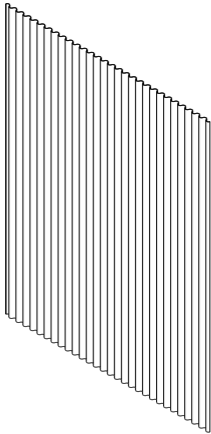
FACADE ELEMENT

TYPES OF FACADE ELEMENTS



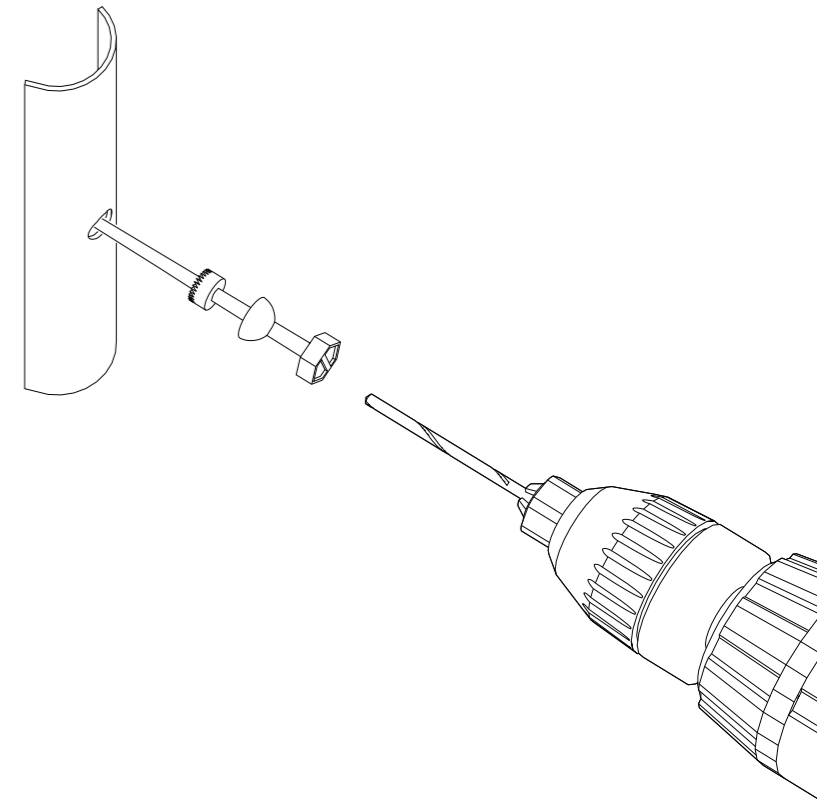
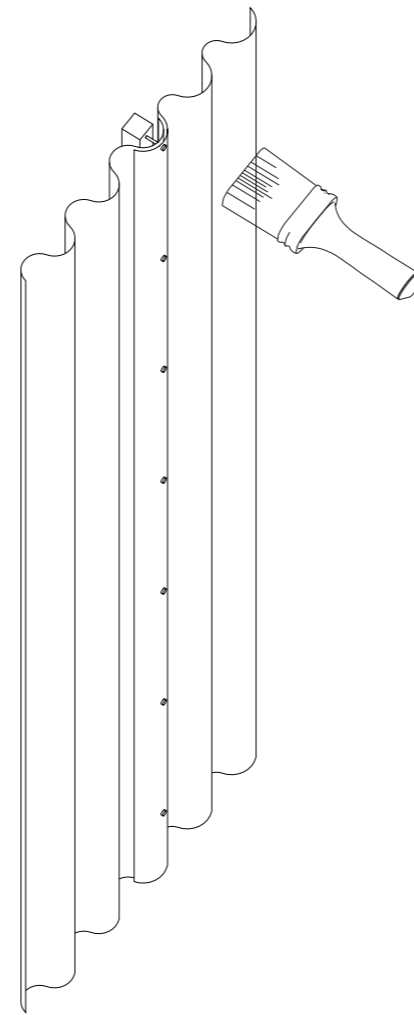
FACADE ELEMENT

CONFIGURATIONS OF ELEMENTS



RESTORE AND ASSEMBLE

GUIDE OF ASSEMBLING SHEET



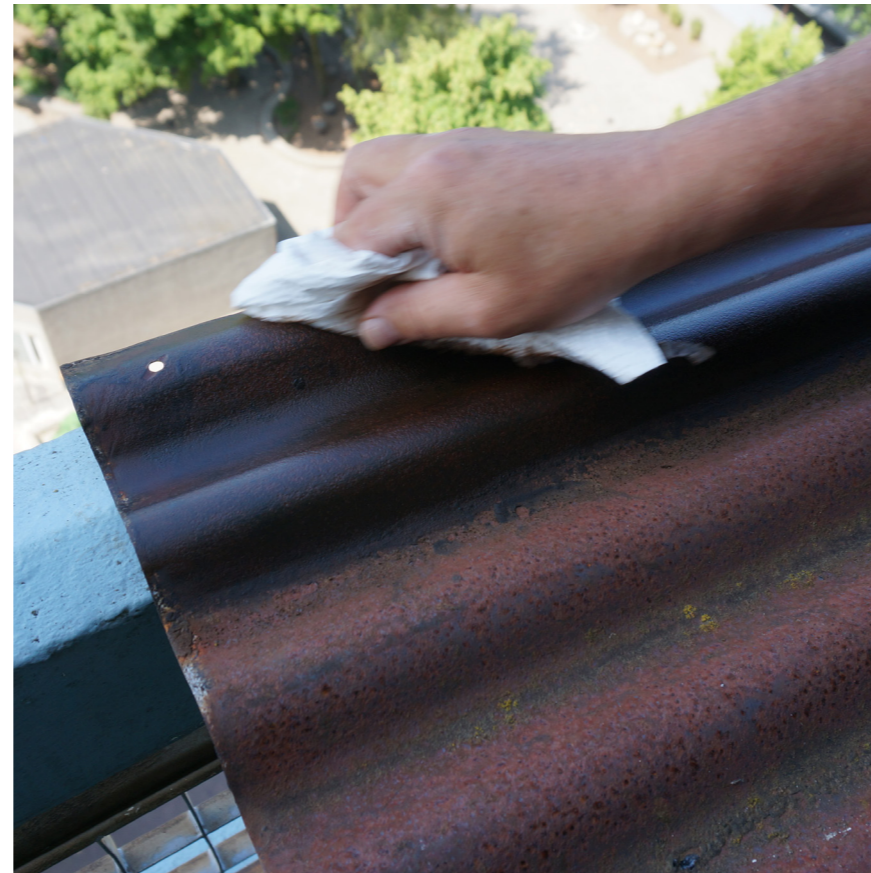
REUSING OLD MATERIALS

MOCKUP OF POSSIBLE FACADE



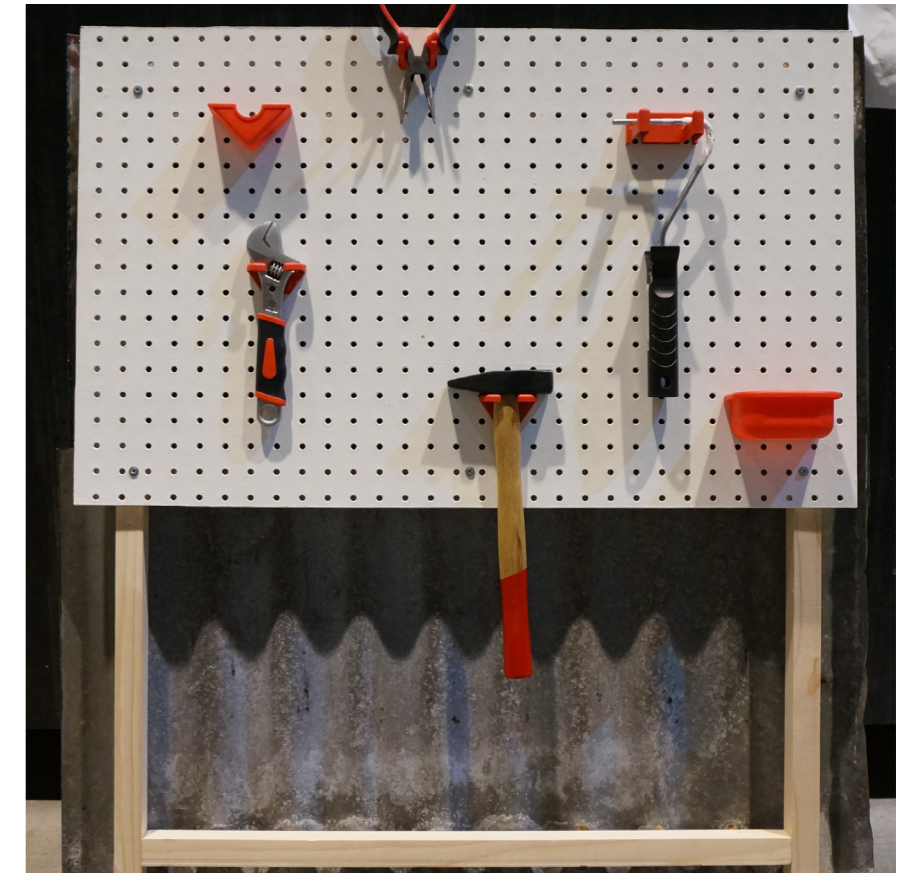
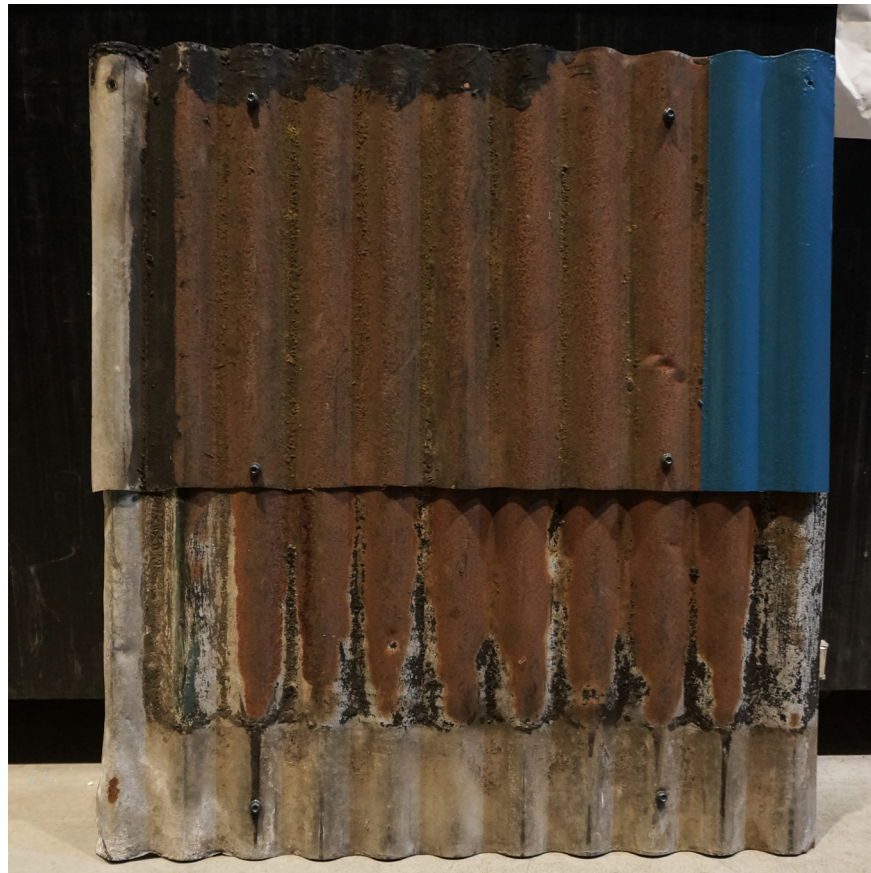
RESTORING SHEETS

SANDING, CLEANING AND PAINTING



RESTORING SHEETS

UPCYCLING THE OLD

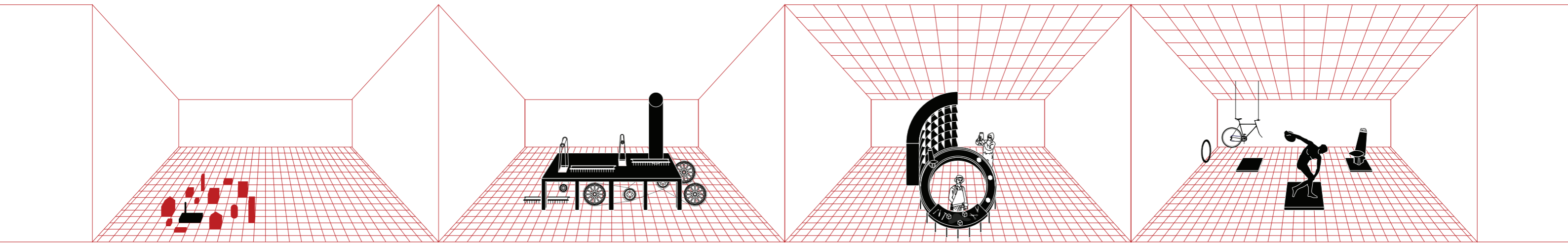


**ALAMAR'S
MATERIAL WAREHOUSE**



A COMMUNITY LANDMARK

WAREHOUSE OF RECLAIMED MATERIALS



A beacon of local pride

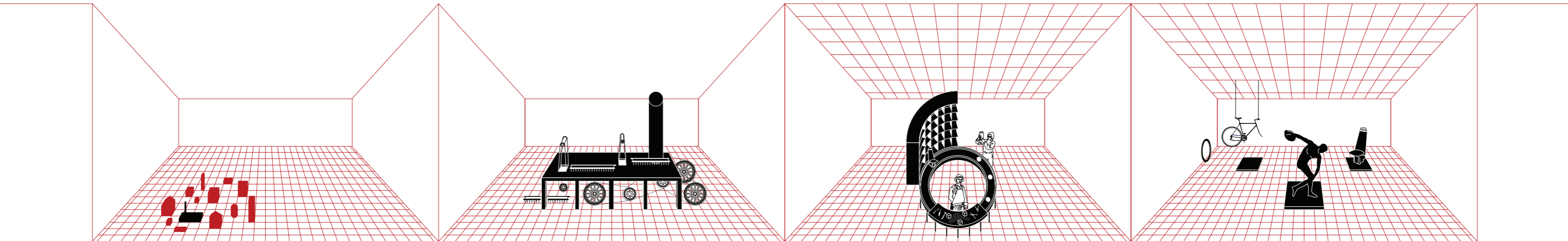
Transparent machine

Preventing alienation of labor

Encourage local craftsmanship

MATERIAL WAREHOUSE ALAMAR

DISREGARDED AS A RESOURCE



A beacon of local pride

Transparent machine

Preventing alienation of labor

Encourage local craftsmanship

URBAN CATALYST

EMBEDDING THE ISSUE OF TRASH WITHIN COMMUNITIES

CIRCULAR ECONOMY

DISREGARDED MATERIALS AS A RESOURCE

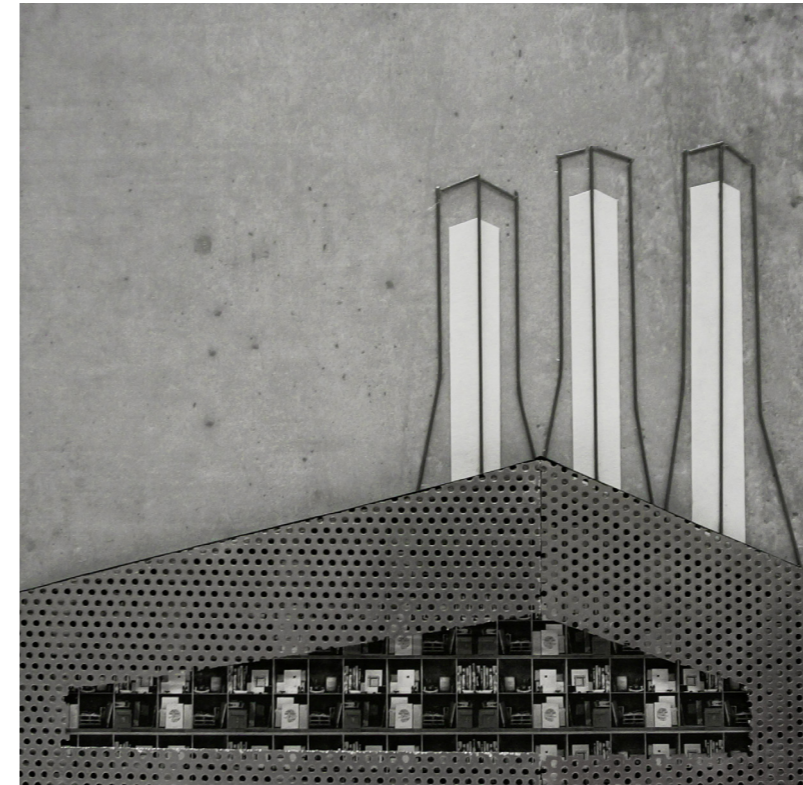
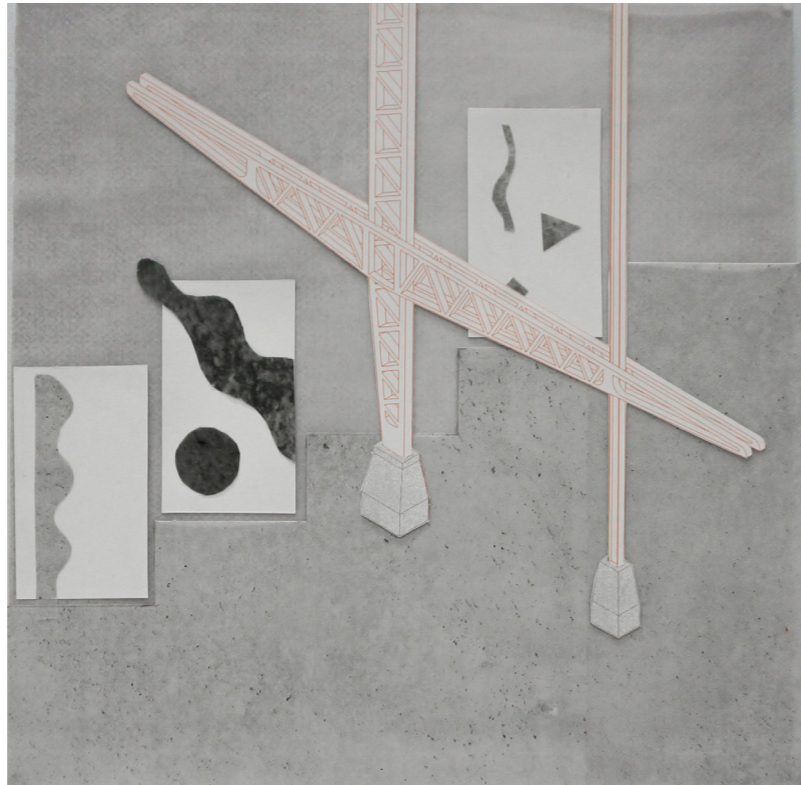
JOBS

SELF-SUFFICIENT PUBLIC ENGAGEMENT

LOCAL CRAFTSMANSHIP

TECHNOLOGICAL DISOBEDIENCE 2.0

FINAL WORDS



*Rather than positivist solutions to ‘ garbage crises ’ that continue to insist that garbage must be kept out of sight as a factually repugnant entity, (ASSEMBLE) **argues for accepting the the fact that trash creates issues that we must adress, and seek creative, alternative, and magical solutions** through the grounding of research and design in political, economic, and geographic specificities.*

(Geographies of Trash - Rania Ghosn and El hadi Jazairy)