Into the Gecekondu

the city as a center for resources

Nikita Maria de Zeeuw

P5 presentation - 26/06/2023

Borders & Territories: Transient Liquidities along the New Silk Road II

Mentors:

Architecture: Filip Geerts & Oscar Rommens

Engineering: Gilbert Koskamp



Table of Contents

Introduction

Present Circumstances

Operations

Design Intentions

Urban Strategy

Building Design

Human Scale

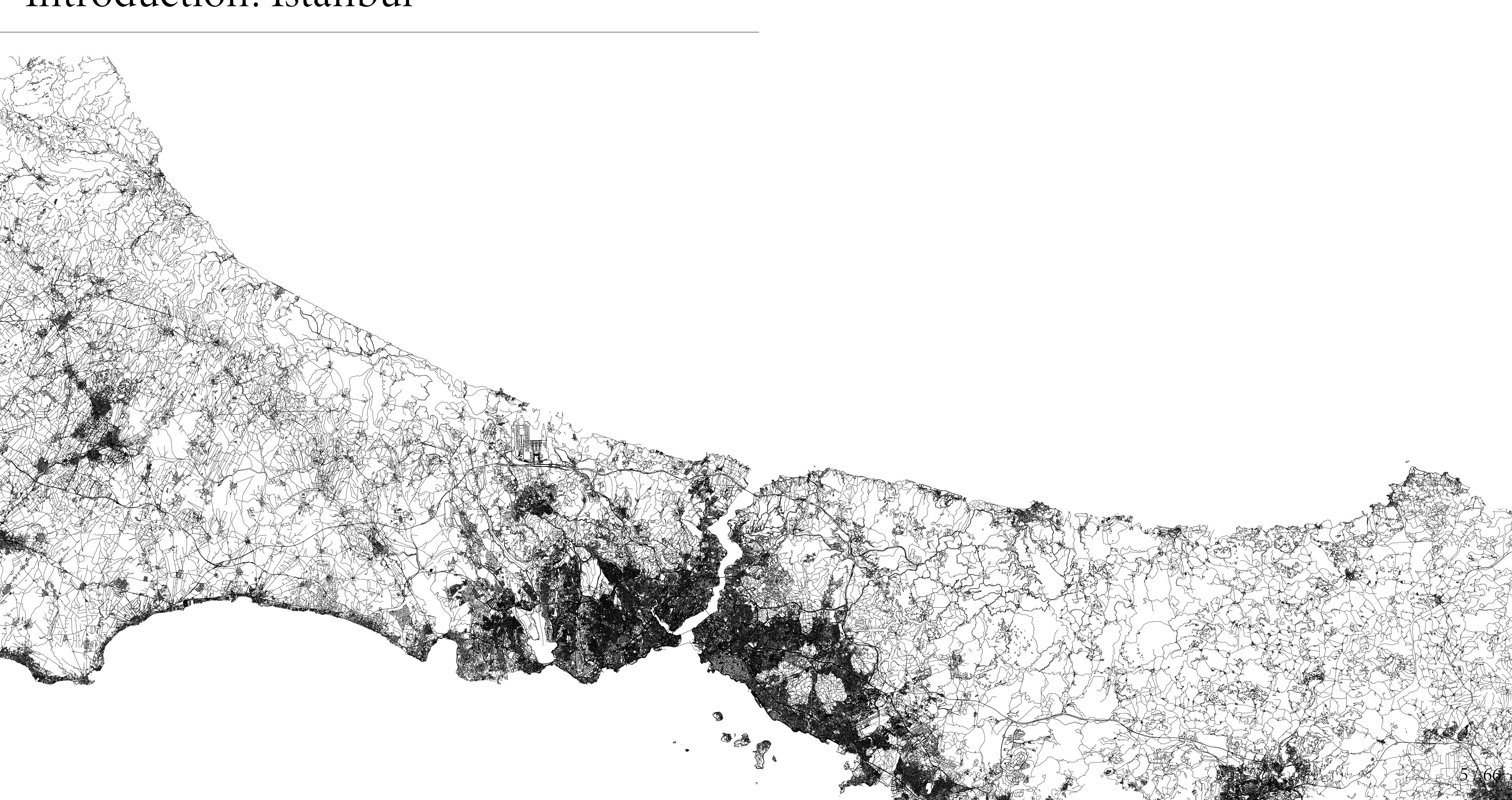
Conclusion

Introduction

Introduction: Istanbul



Introduction: Istanbul



Introduction: Gecekondu



Introduction: Gecekondu



Identity



Community



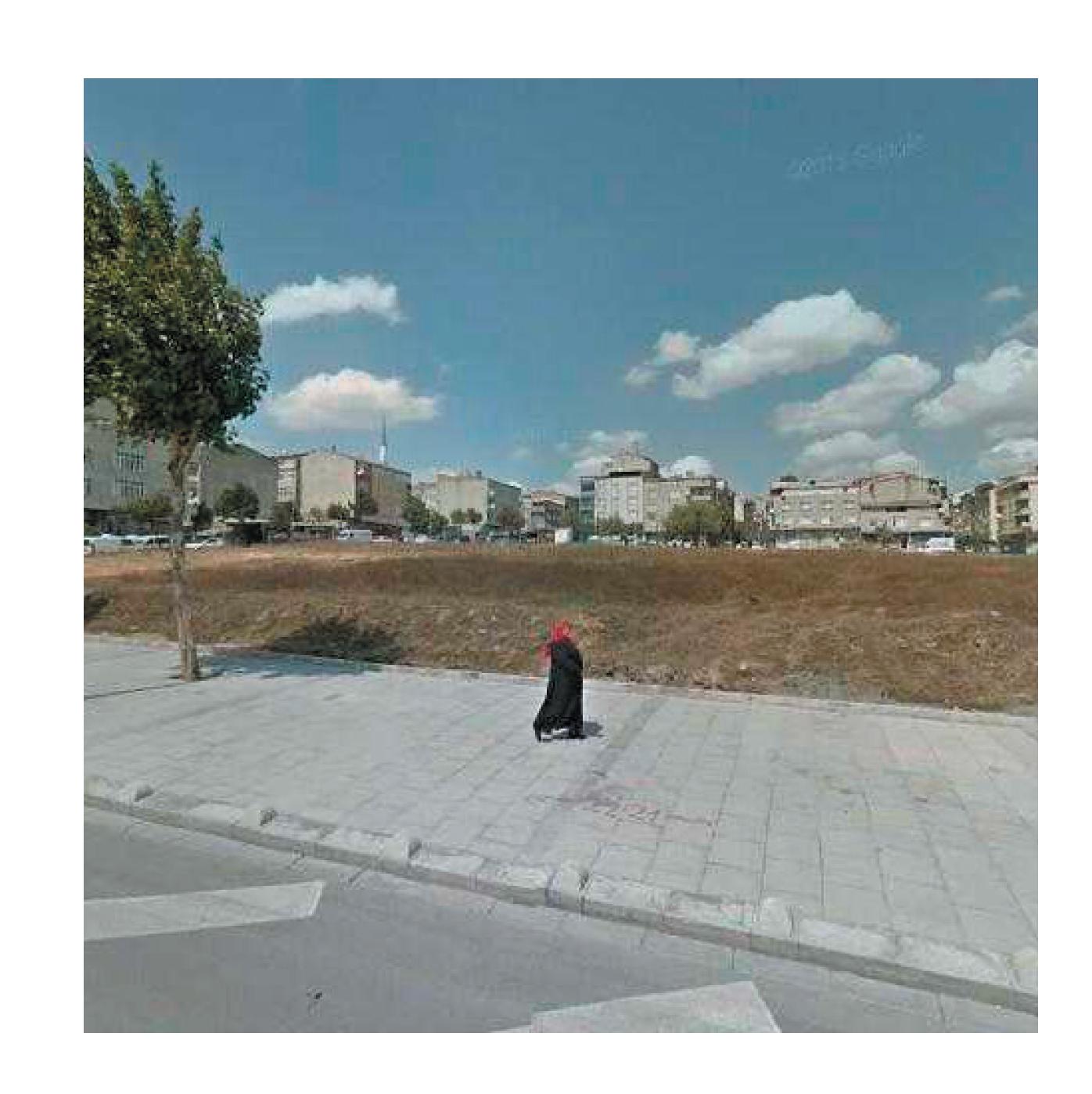
Self Sufficiency

Introduction: Redevelopment

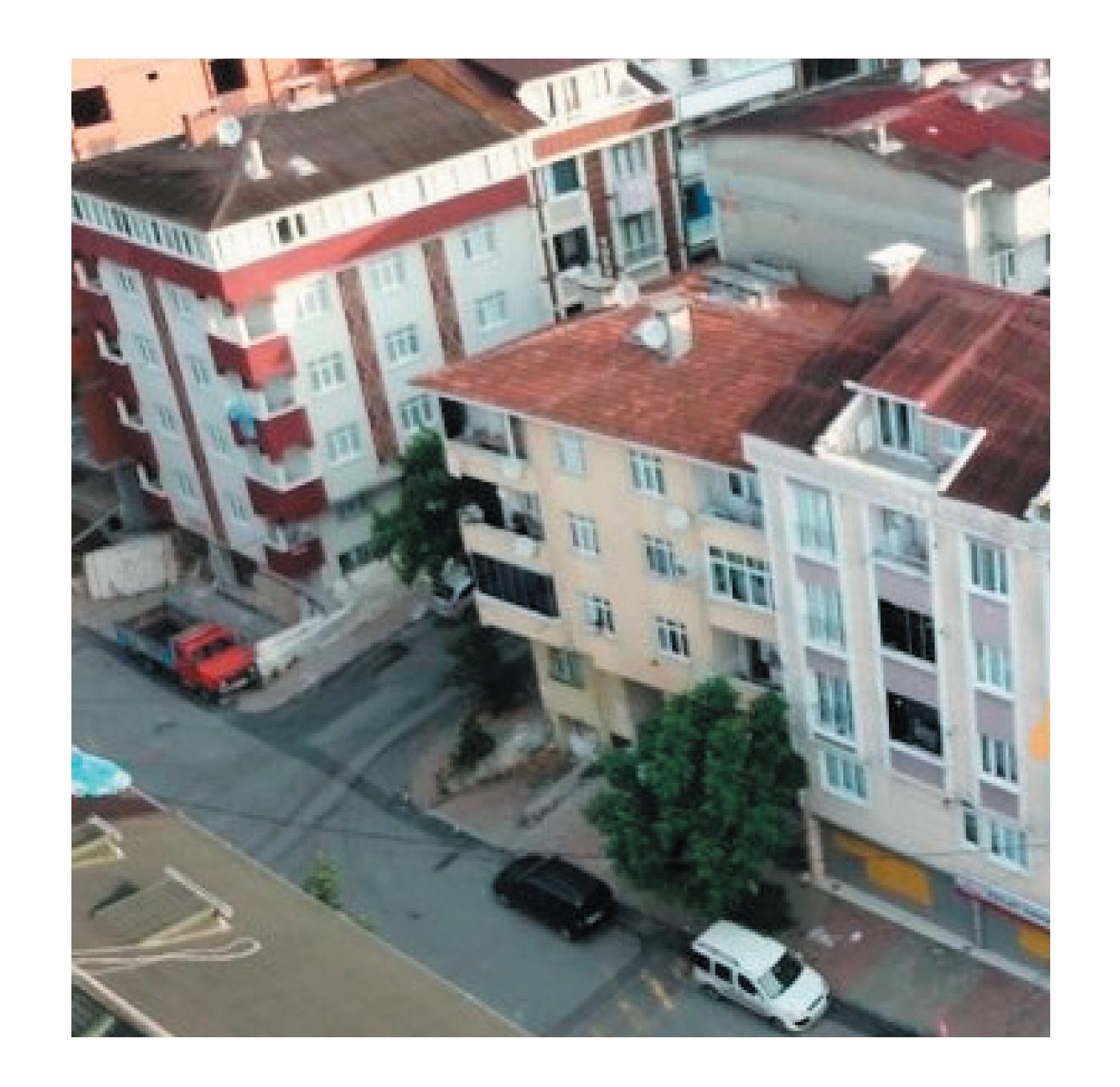


Present Circumstances

Present Circumstances: Redevelopment



Undefined Spaces



Lack of Diversity

INTERNATIONAL • ENVIRONMENT

In Turkey, Europe's trash can, plastic recycling poses serious risk to health and environment

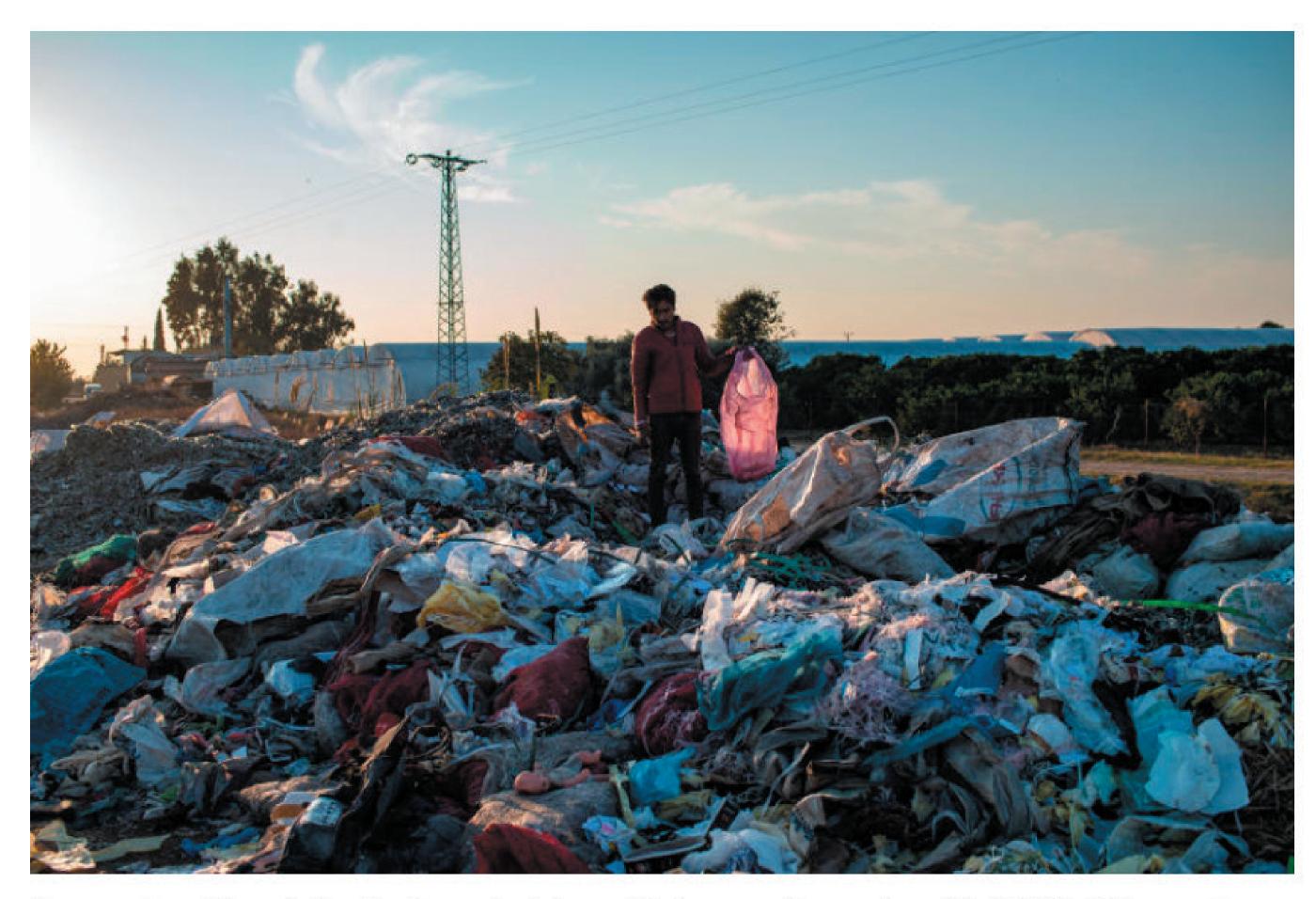
Human Rights Watch report reveals a catastrophic state of affairs in a country that has become the top destination for the EU's waste.

By Stéphane Mandard and Angèle Pierre

Published on September 22, 2022, at 5:00 am (Paris), updated on November 13, 2022, at 3:07 pm - 💍 3 min. - Lire en français



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A man at an illegal plastic dump in Adana, Turkey, on November 29, 2020. This waste comes from European countries. YASIN AKGUL/AFP

NTERNATIONAL • ENVIRONMEN

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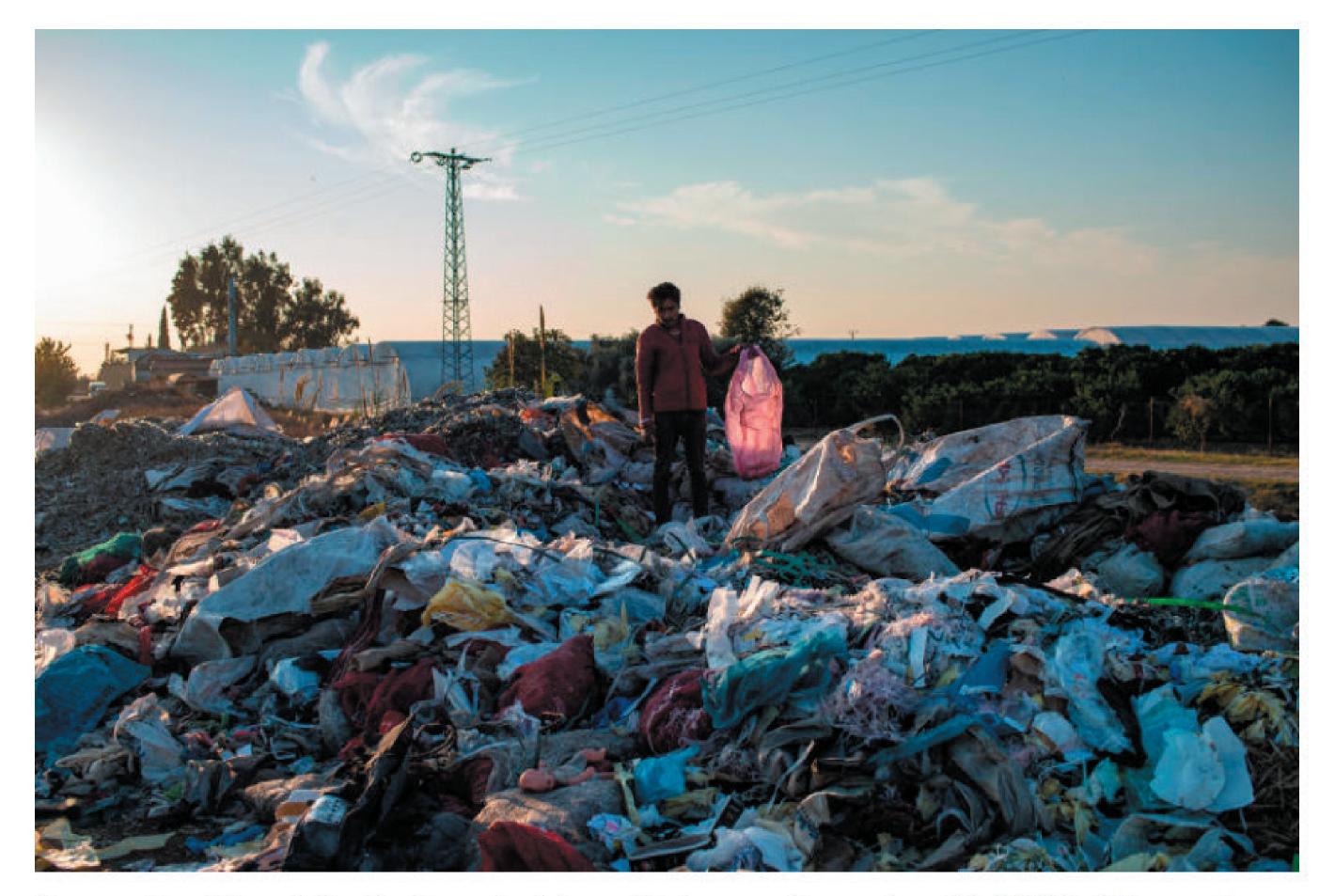
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A man at an illegal plastic dump in Adana, Turkey, on November 29, 2020. This waste comes from European countries. YASIN AKGUL/AFP

THE RECYCLING MYTH

Why Turkey became Europe's garbage dump

The growing wave of waste is creating a political problem for the government.

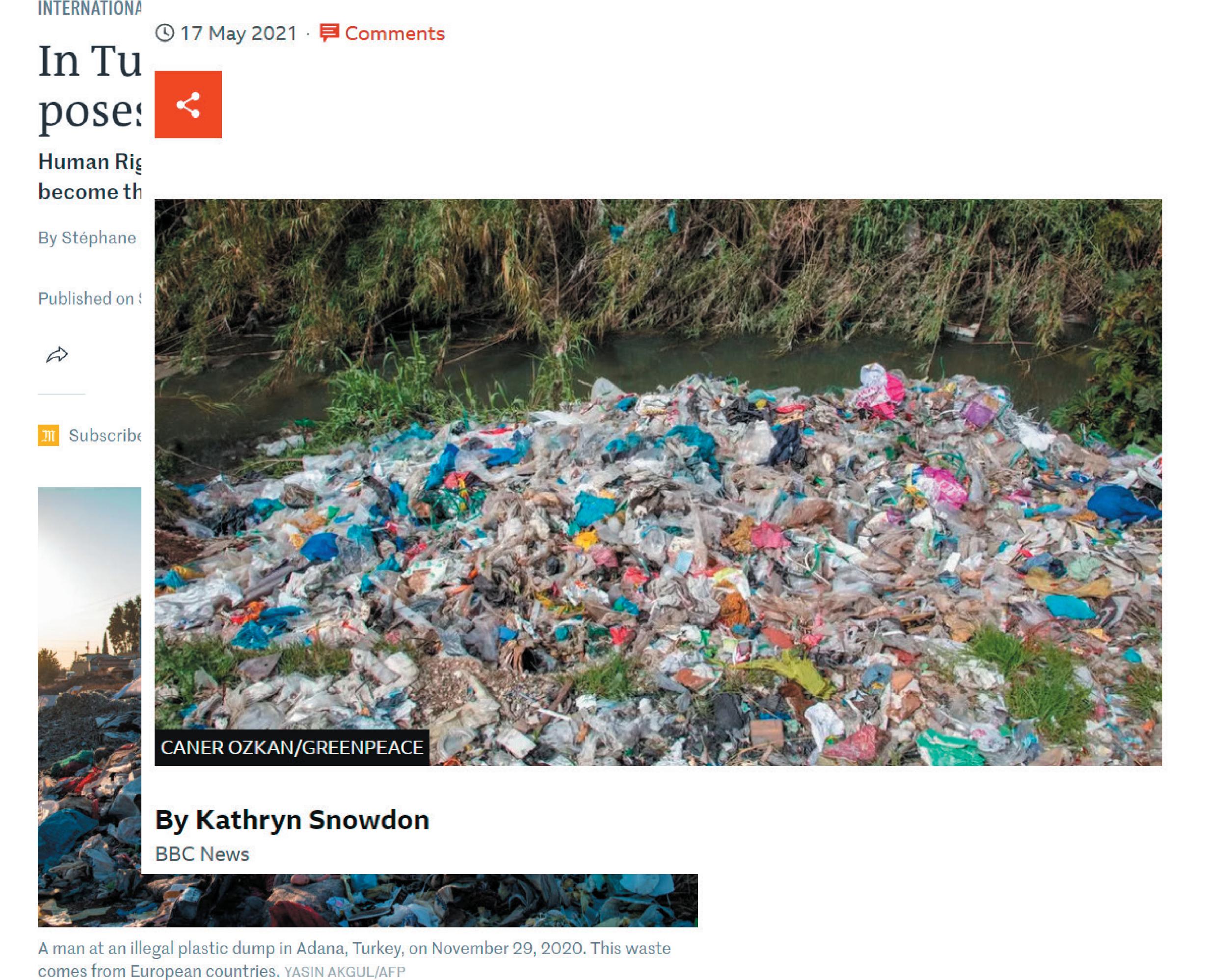


Right now, Turkey is stuck with a growing garbage problem — and no solution | Selin Uğurtaş for POLITICO

BY SELIN UĞURTAŞ

SEPTEMBER 18, 2020 1:00 PM CET © 7 MINUTES READ

UK plastic waste being dumped and burned in Turkey, says Greenpeace



THE RECYCLING MYTH

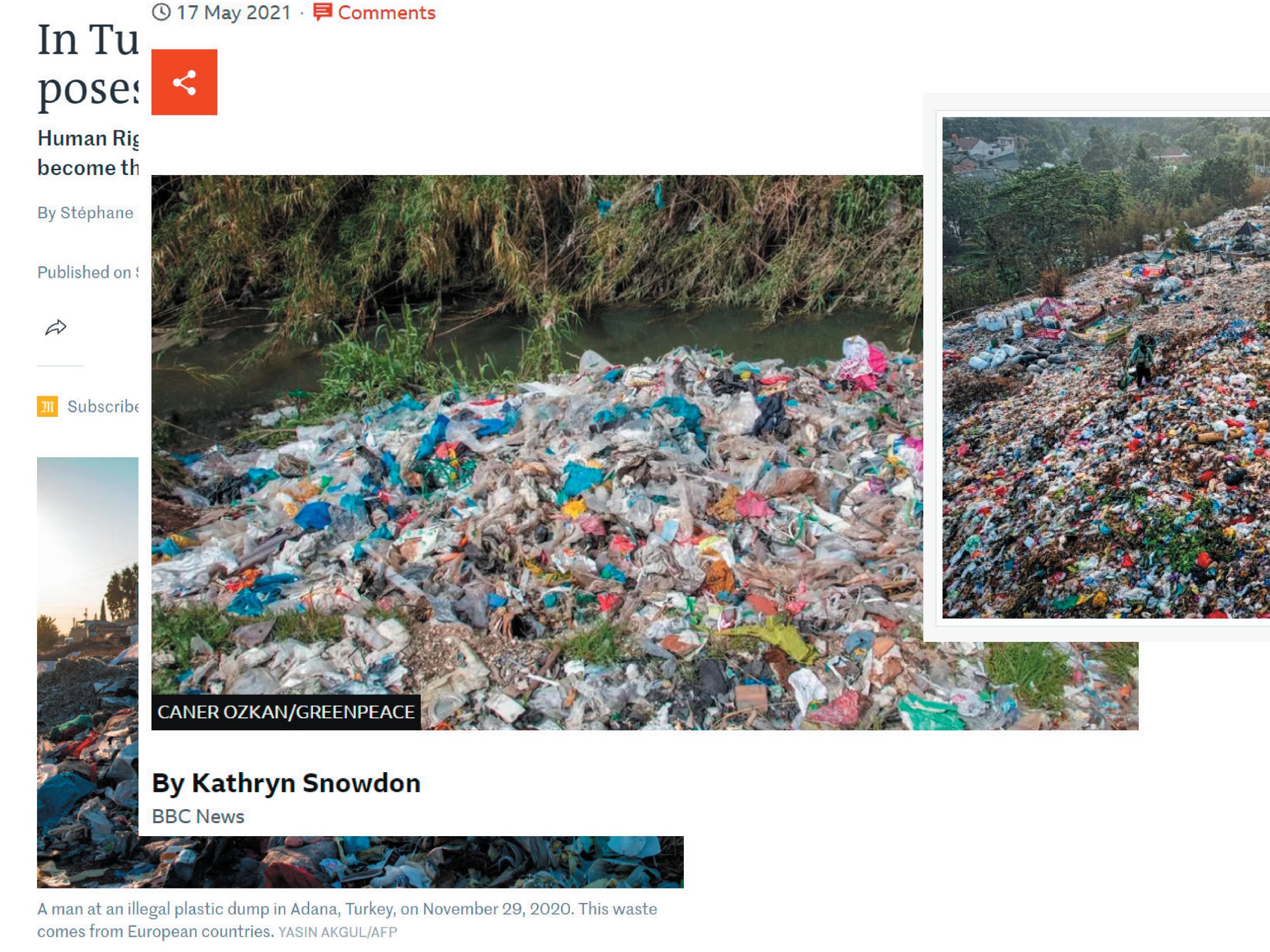
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THE RECYCLING MYTH

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According to data from the Statistical Office of the European Union, exports of waste from the EU to non-EU countries reached 33.0 million tonnes in 2021 and Turkey is the largest destination for waste exported from the EU, with a volume of around 14.7 million tonnes.

İstanbul - BİA Haber Merkezi 26 May 2022, Thursday 12:21

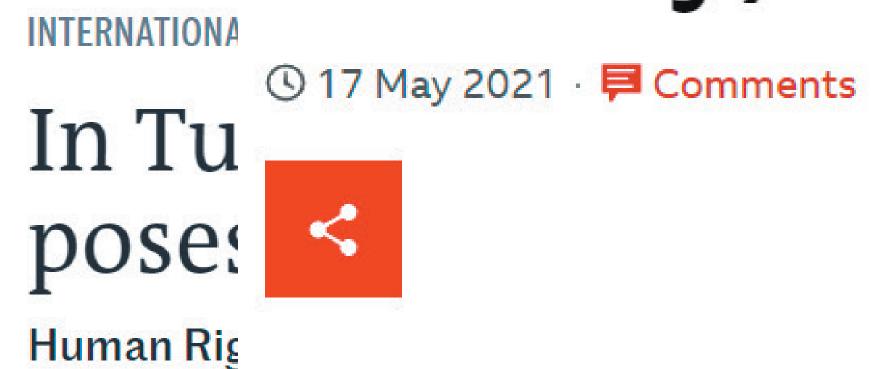






Right now, Turkey is stuck with a growing garbage problem — and no solution | Selin Uğurtaş for POLITICO

UK plastic waste being dumped and burned in Turkey, says Greenpeace



become th

By Stéphane

Published on

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Turkey imported nearly half of EU waste last year

Turkey received nearly 50% of all waste exports from Europe in 2021, statistics from the European Commission show.

Published on 25 May, the Eurostat data shows that around 14.7 million tonnes were exported to Turkey in 2021 – more than three times as much as in 2004 and almost half of the total exports of waste.

By Kathryn Snowdon
BBC News

THE RECYCLING MYTH

Why Turkey became Europe's garbage dump

The growing wave of waste is creating a political problem for the government.

Nearly half of Europe's waste exports made to Turkey, show Eurostat figures According to data from the Statistical Office of the European Union, exports of waste from the EU to non-EU countries

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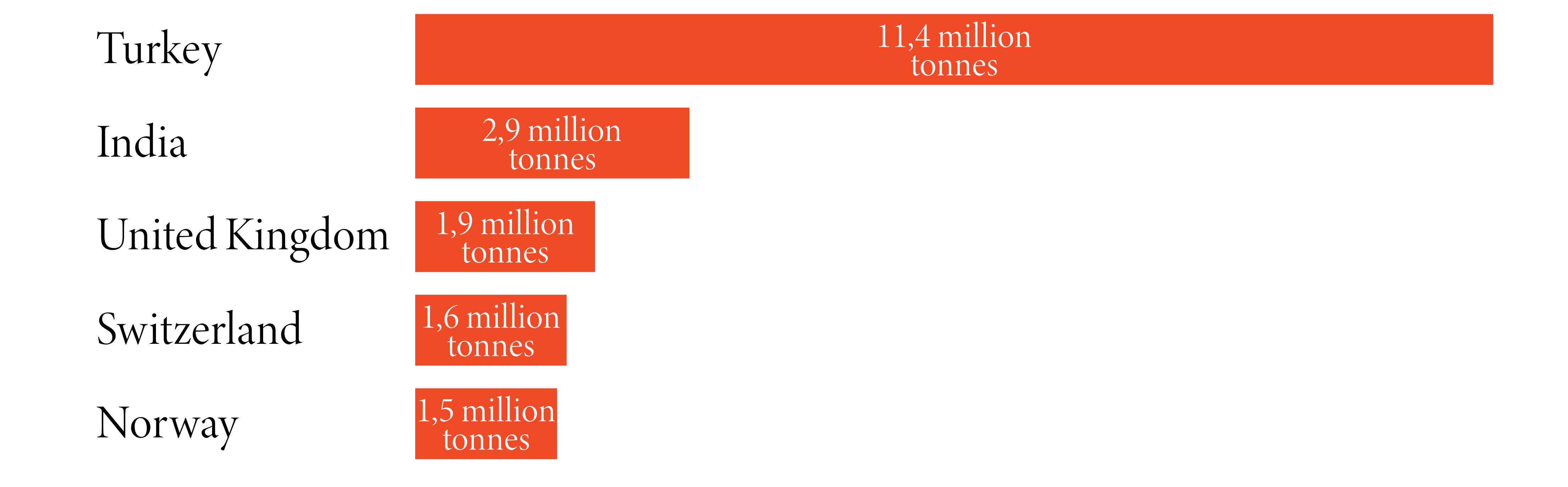




BY SELIN UĞURTAŞ

Right now, Turkey is stuck with a growing garbage problem — and no solution | Selin Uğurtaş for POLITICO

Present Circumstances: EU Waste Destinations



Present Circumstances: Waste in Cities

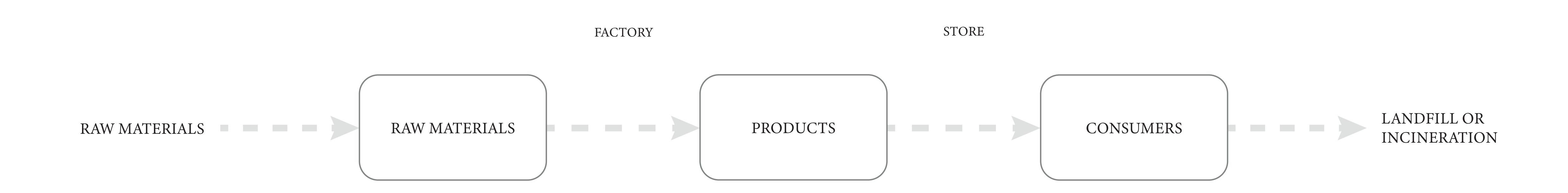




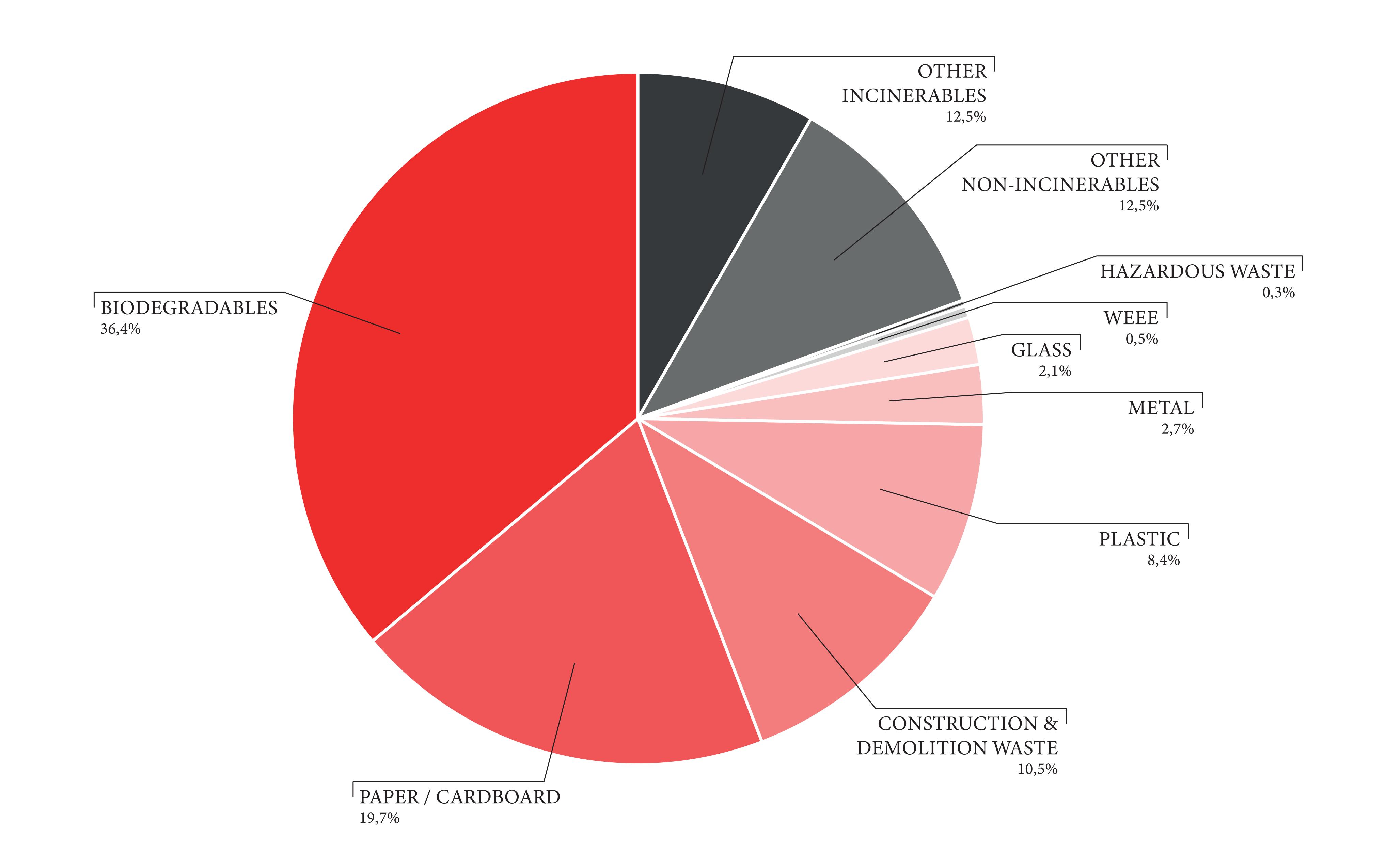


Operations

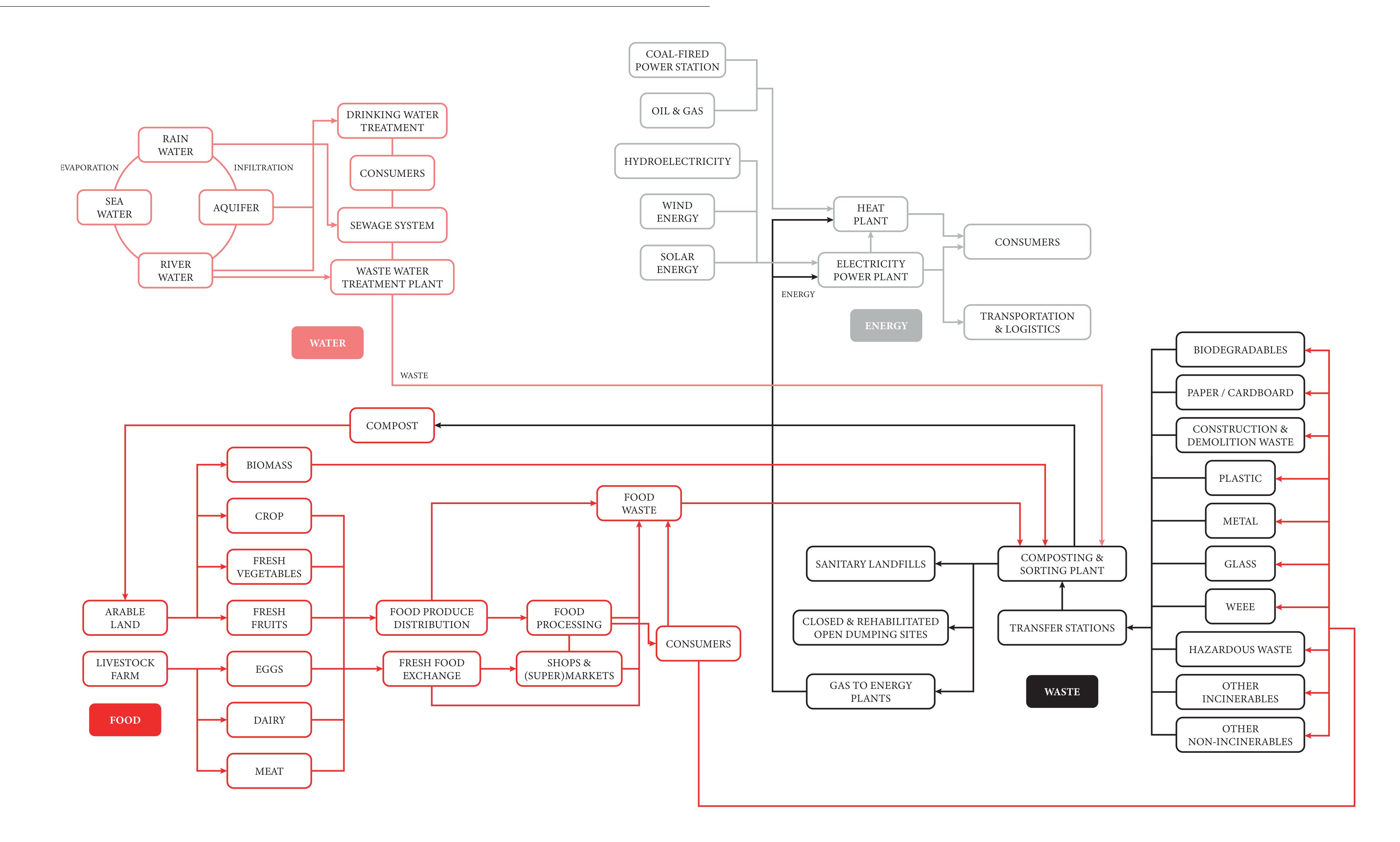
Operations: Current State



Operations: Waste Divisions



Operations: On a Larger Scale



Operations: Waste Treatment



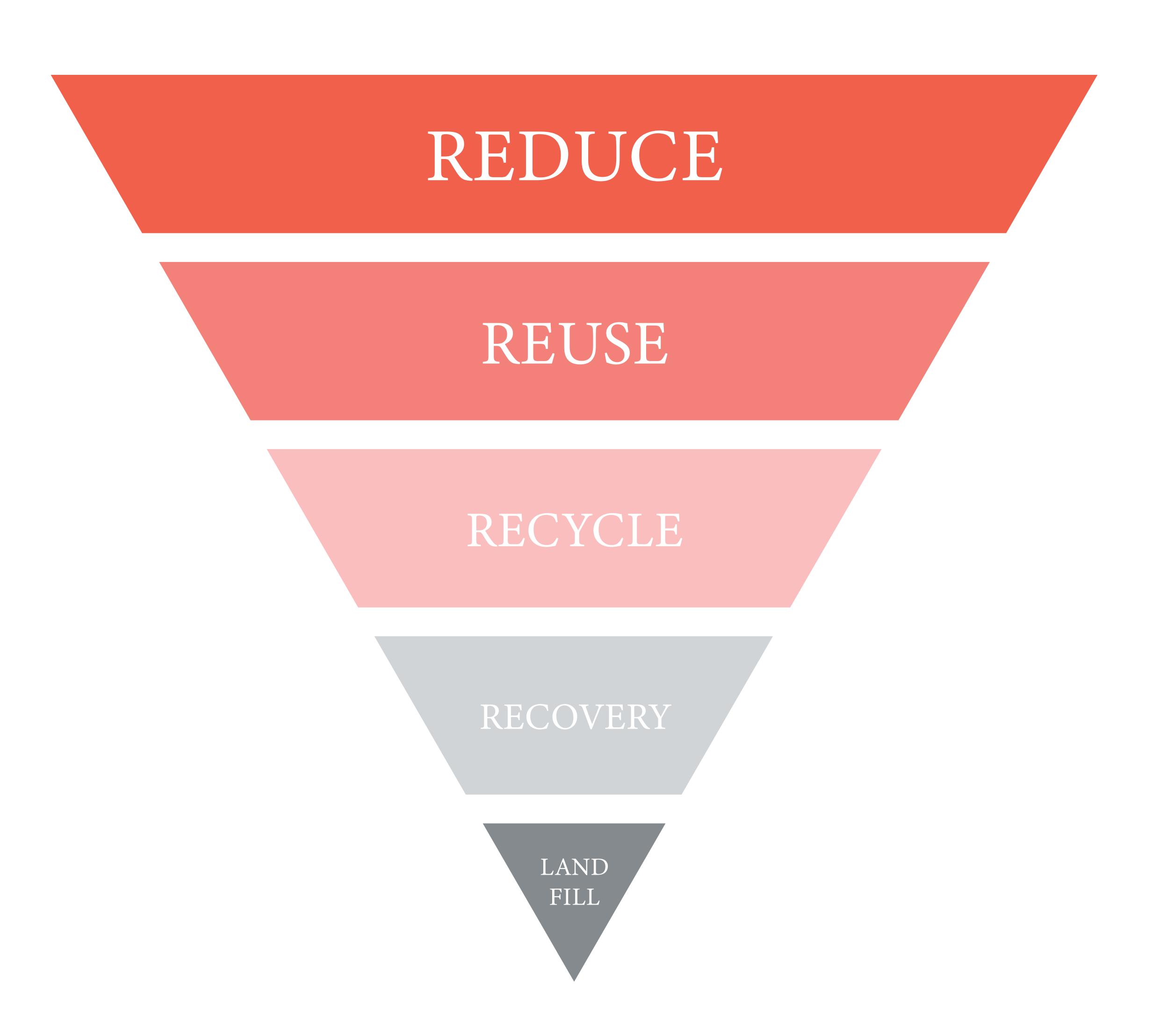
Landfill



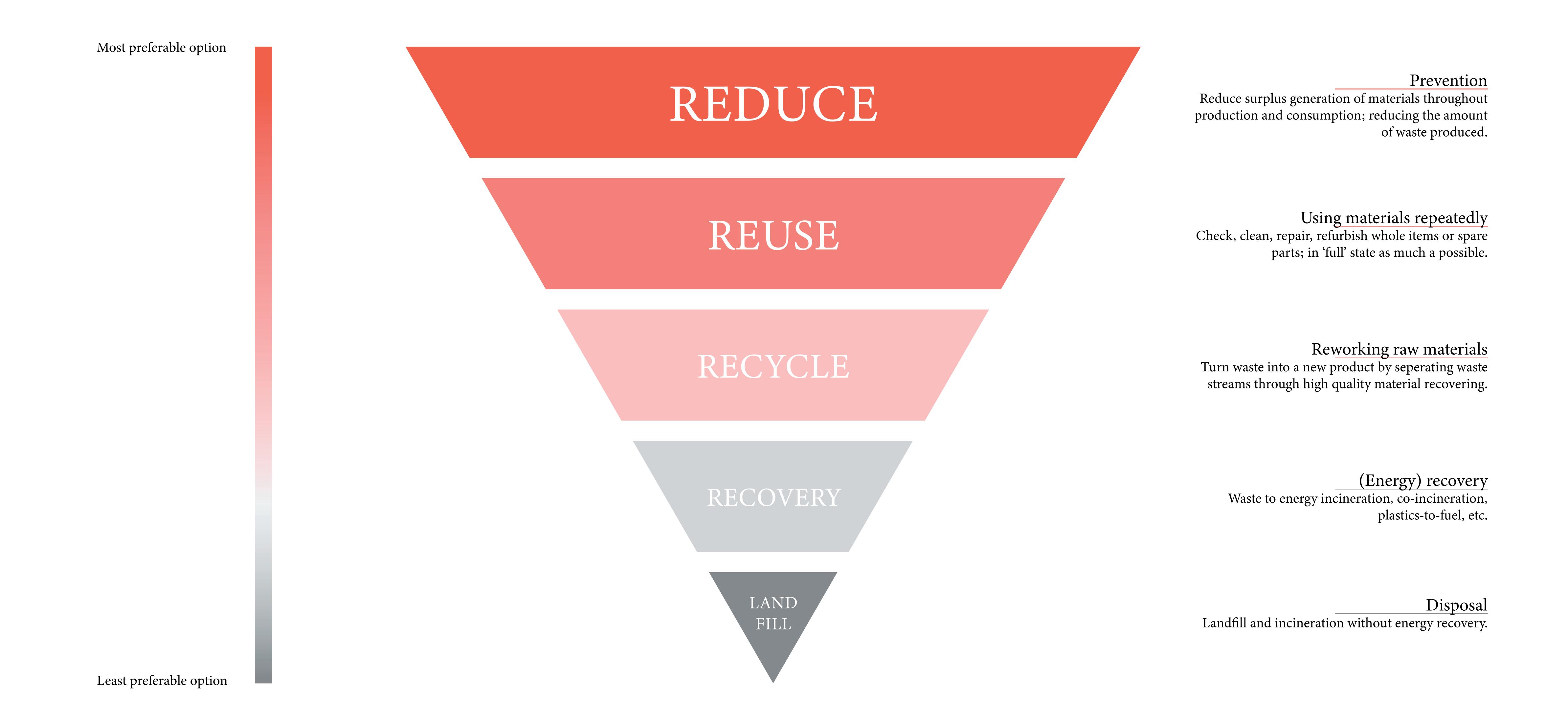
Waste to Energy Plant



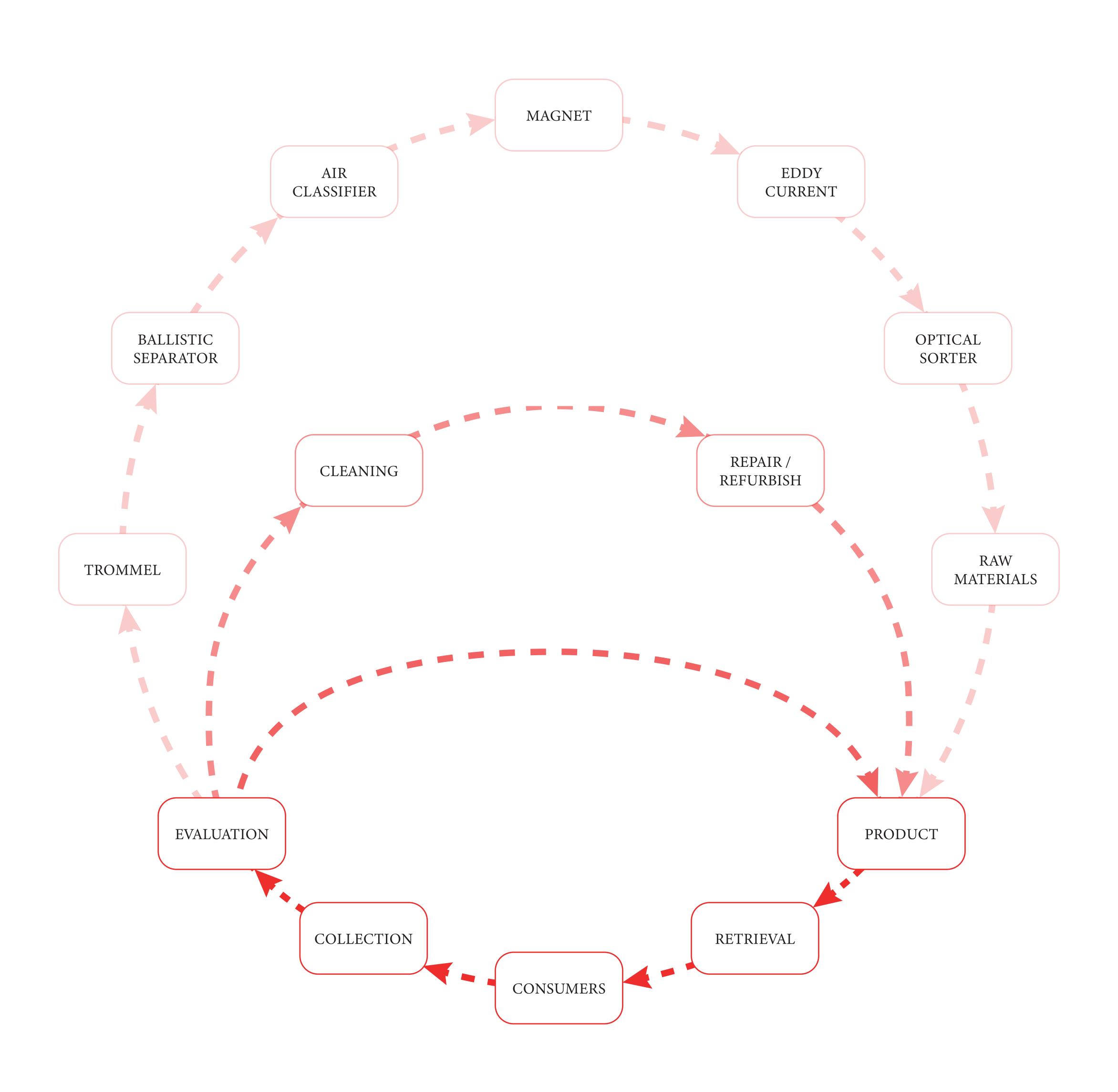
Composting Plant



Operations: Waste Hierarchy

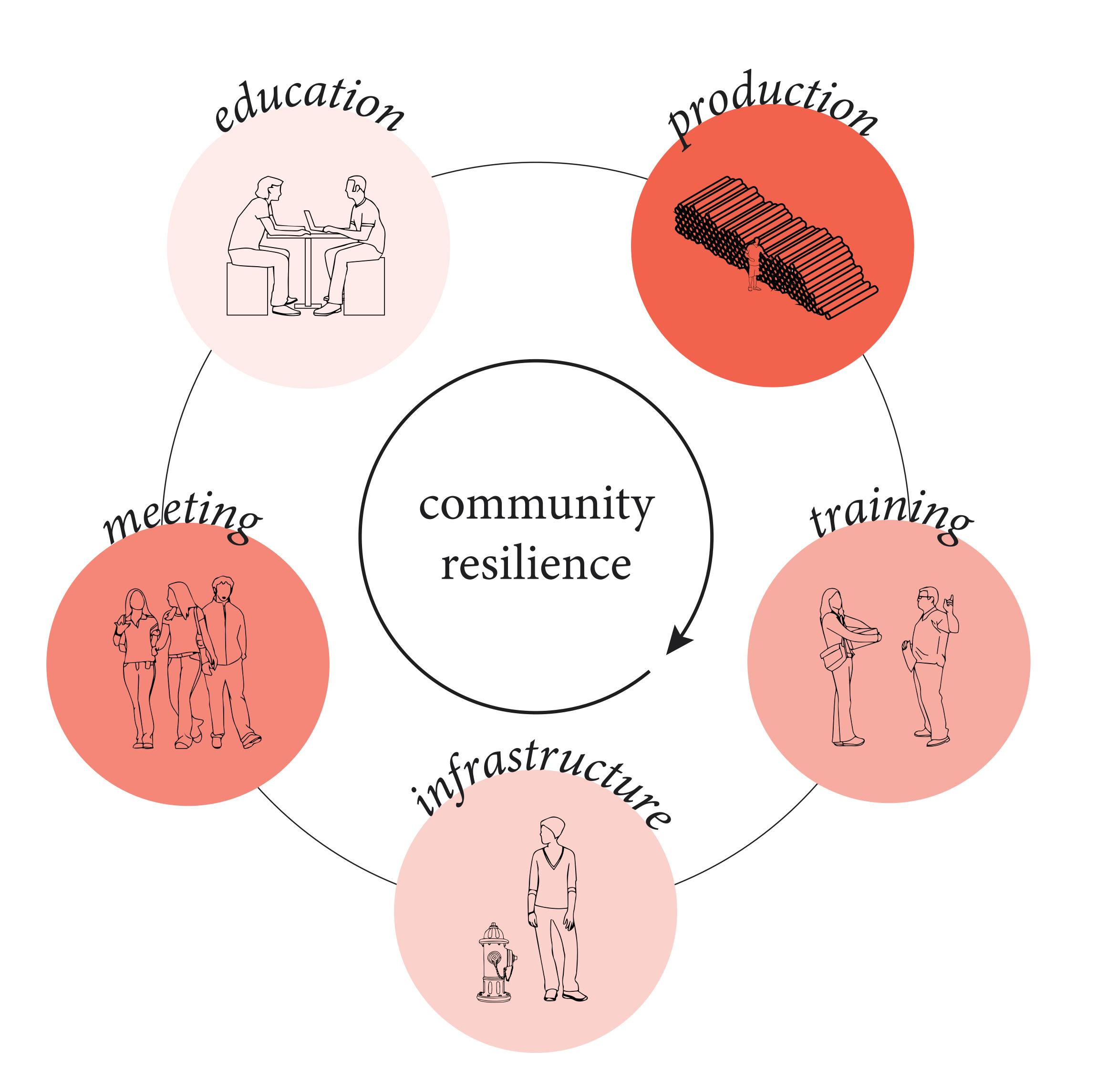


Operations: Circular Economy



Design Intentions

Design Intentions: Requirements

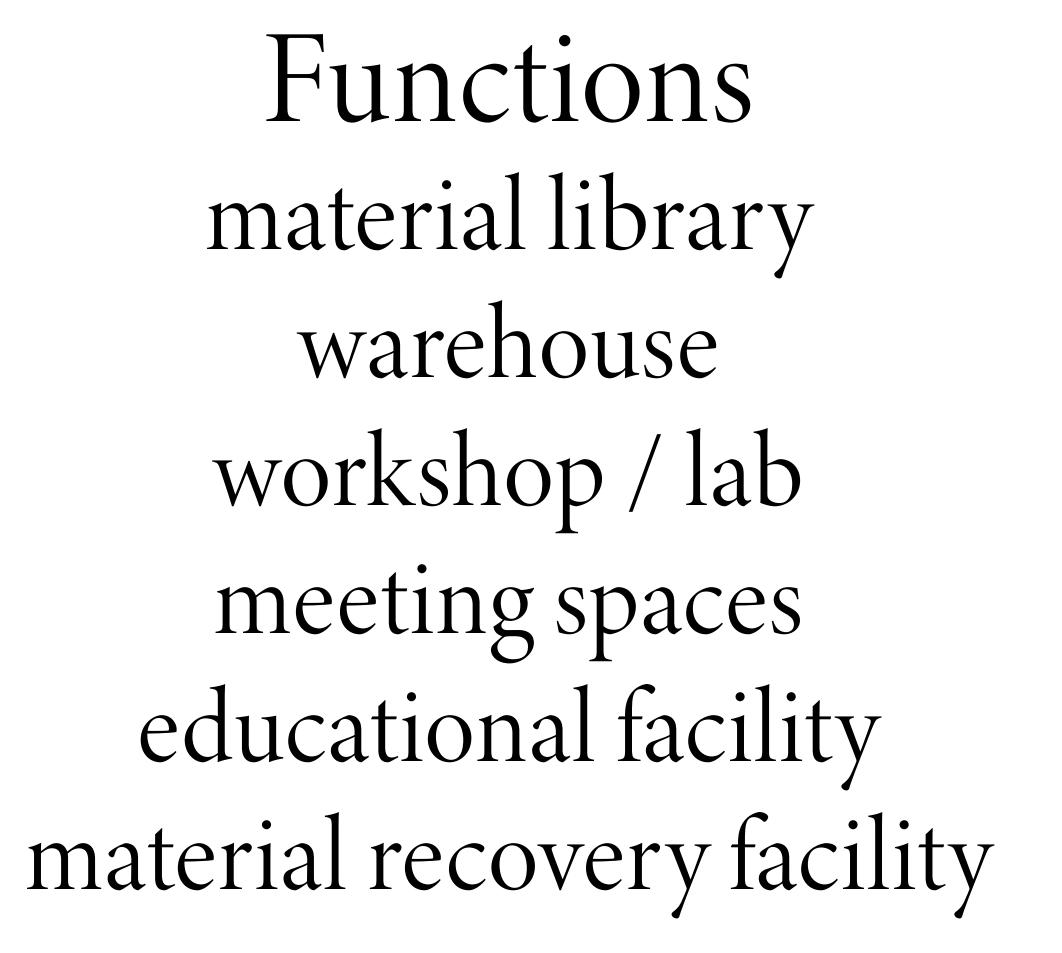


Design Intentions: Center for Resources









Themes
material reuse
urban intervention
infrastructural synergy



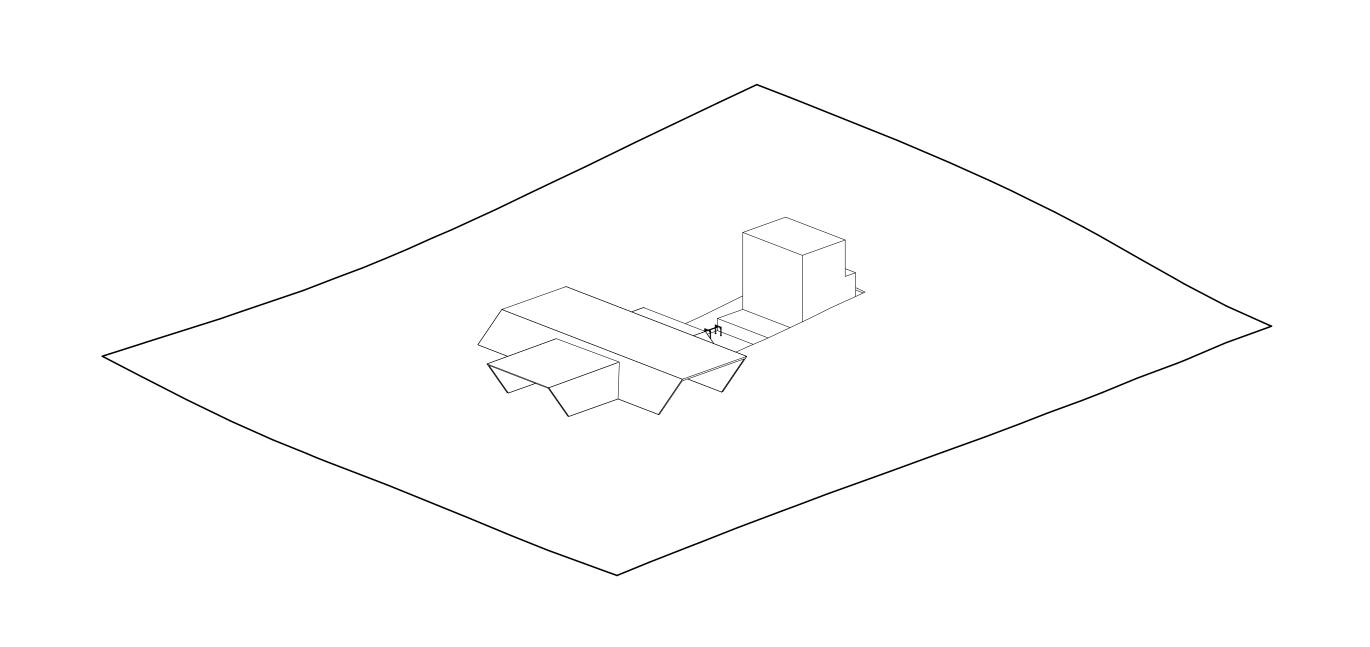




Design Intentions: Scales



Urban Strategy



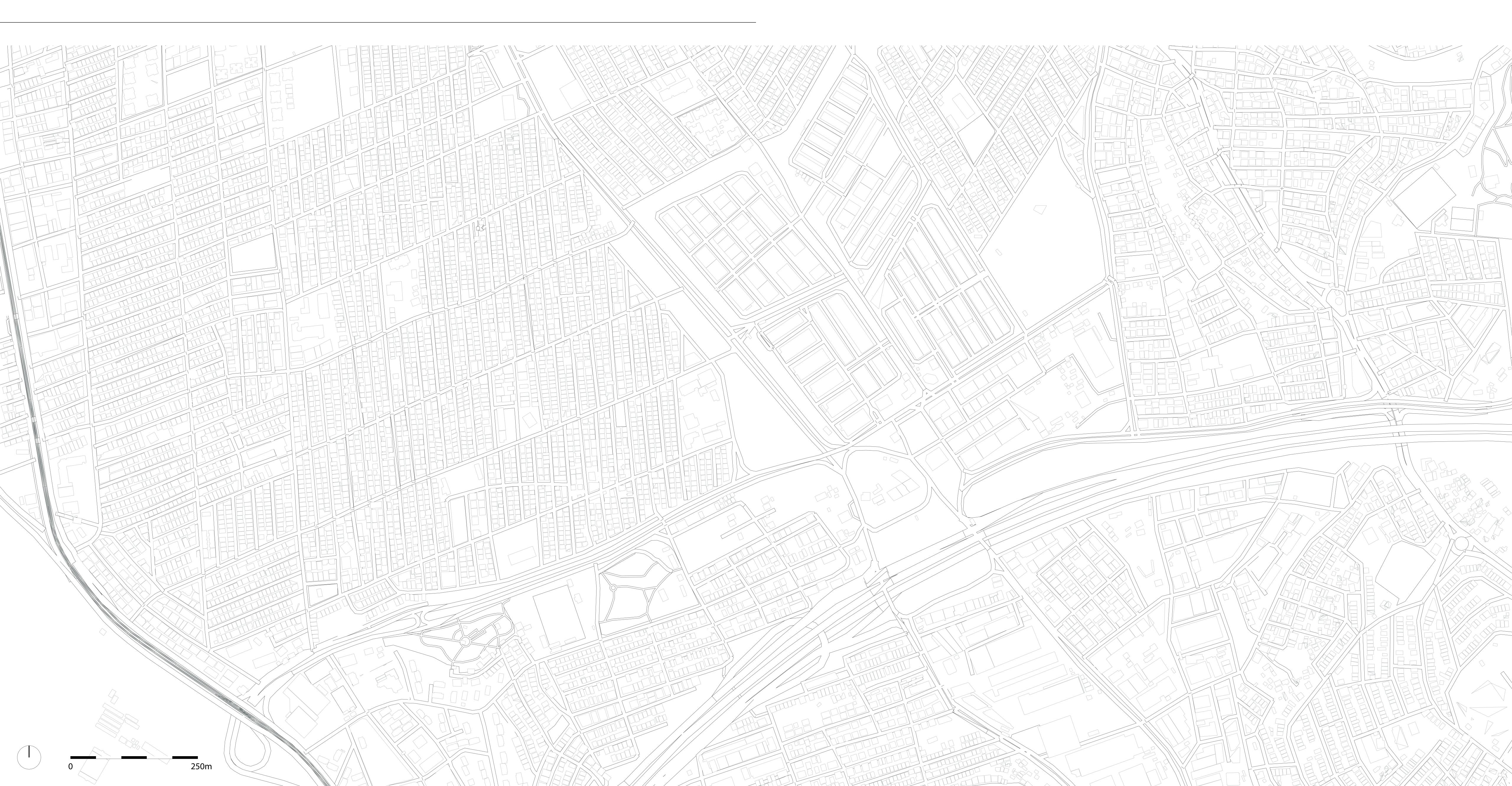
Building Design

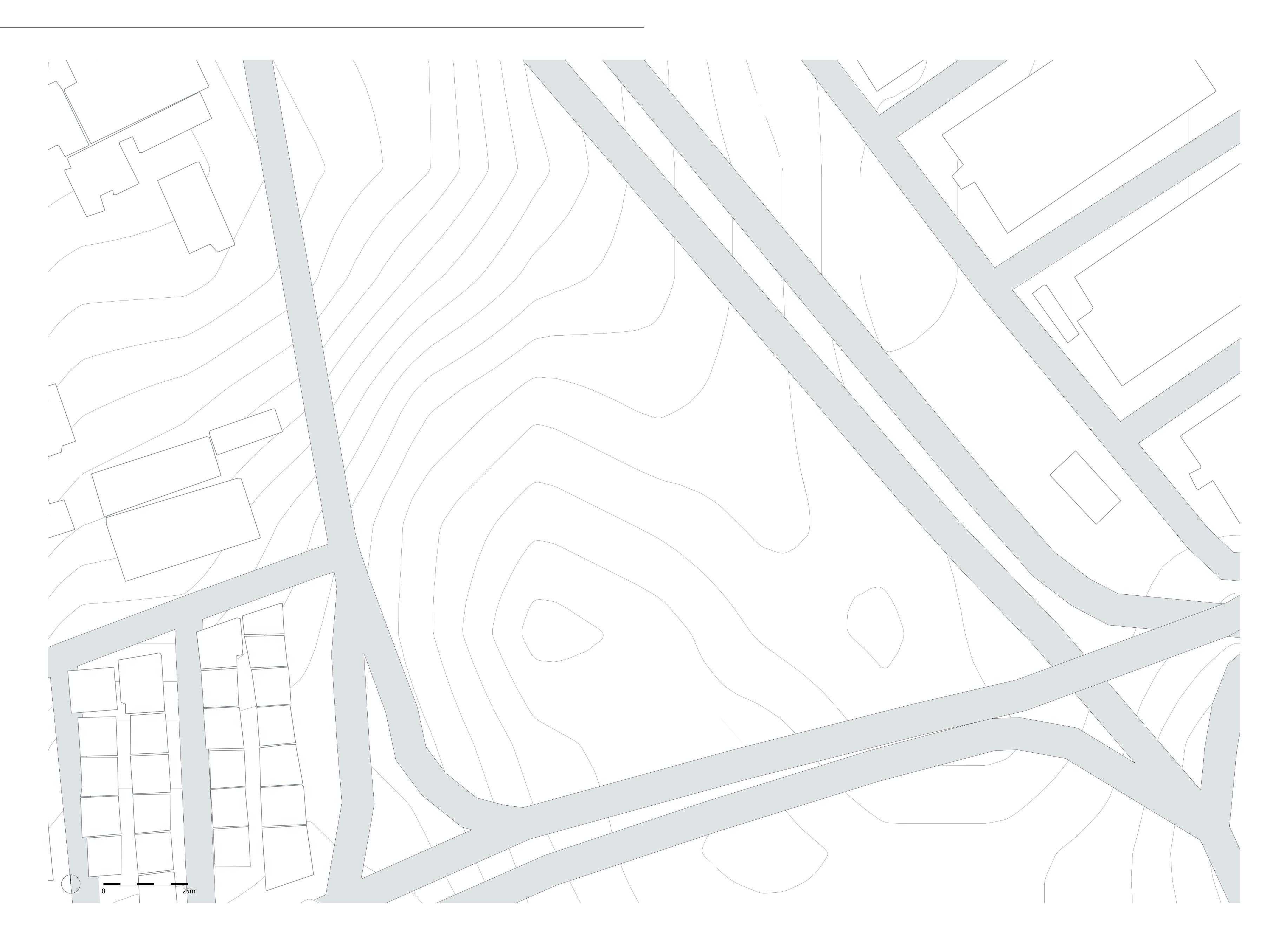


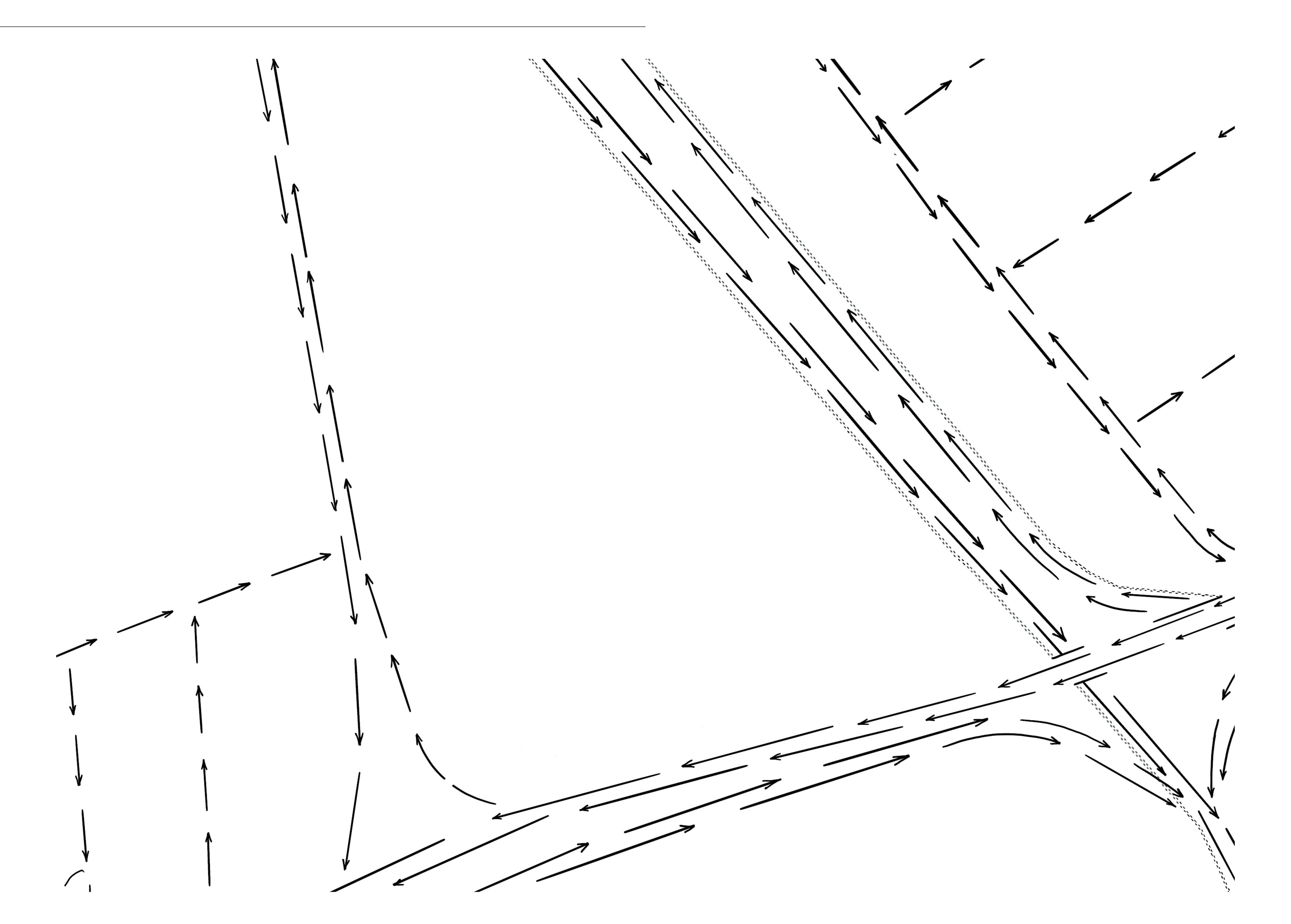
Human Scale

Urban Strategy

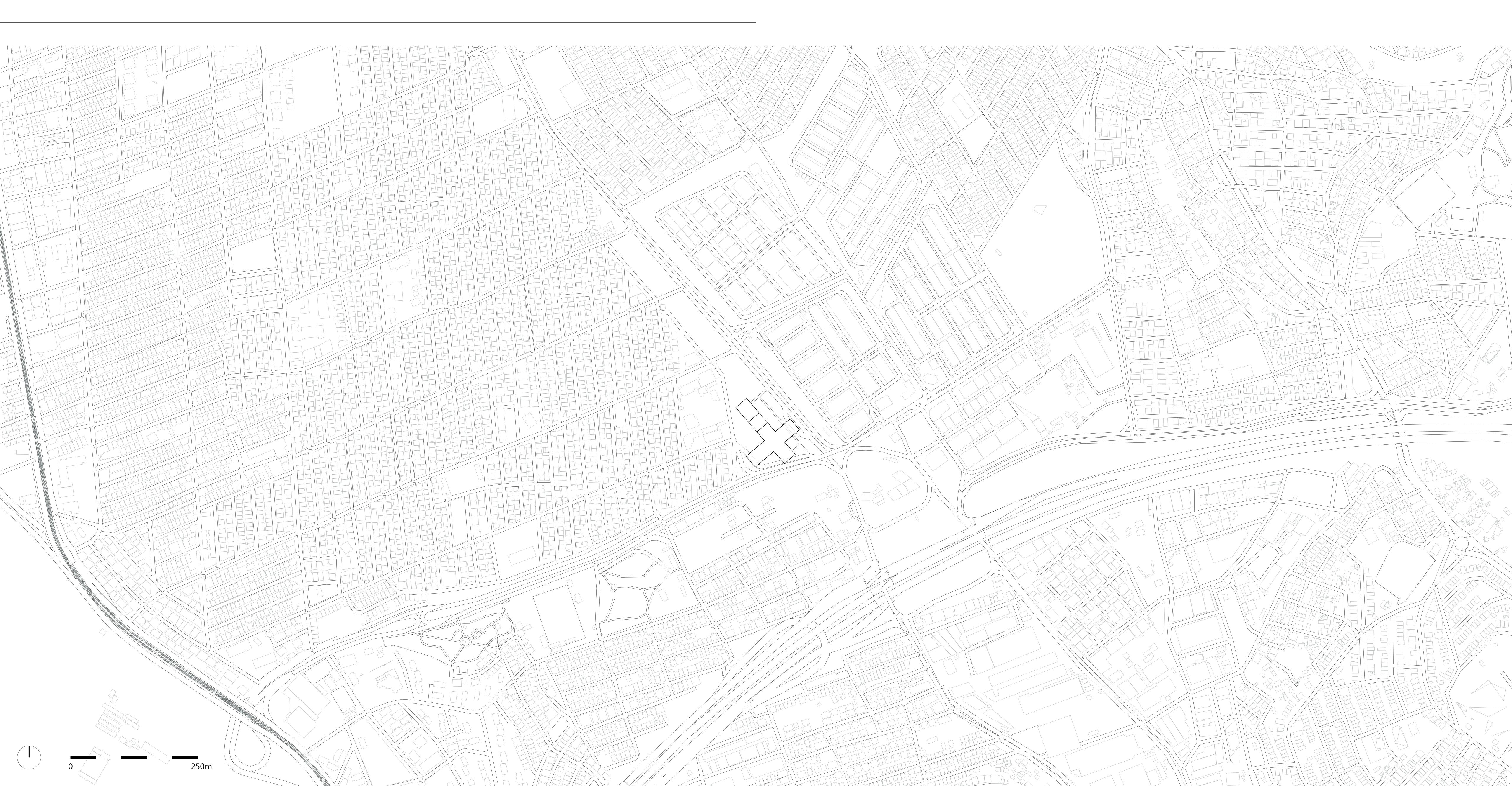
Urban Scale: Site



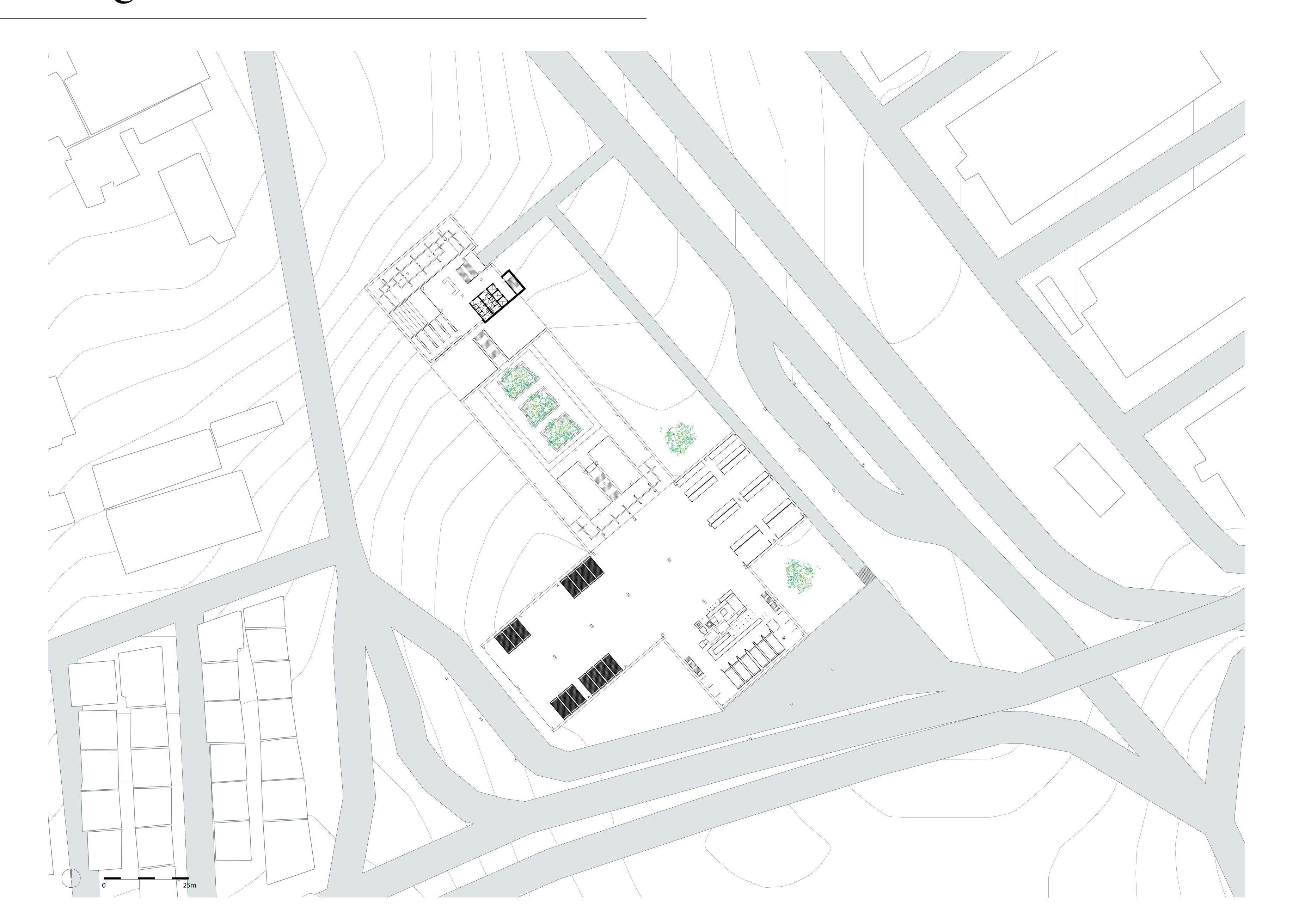


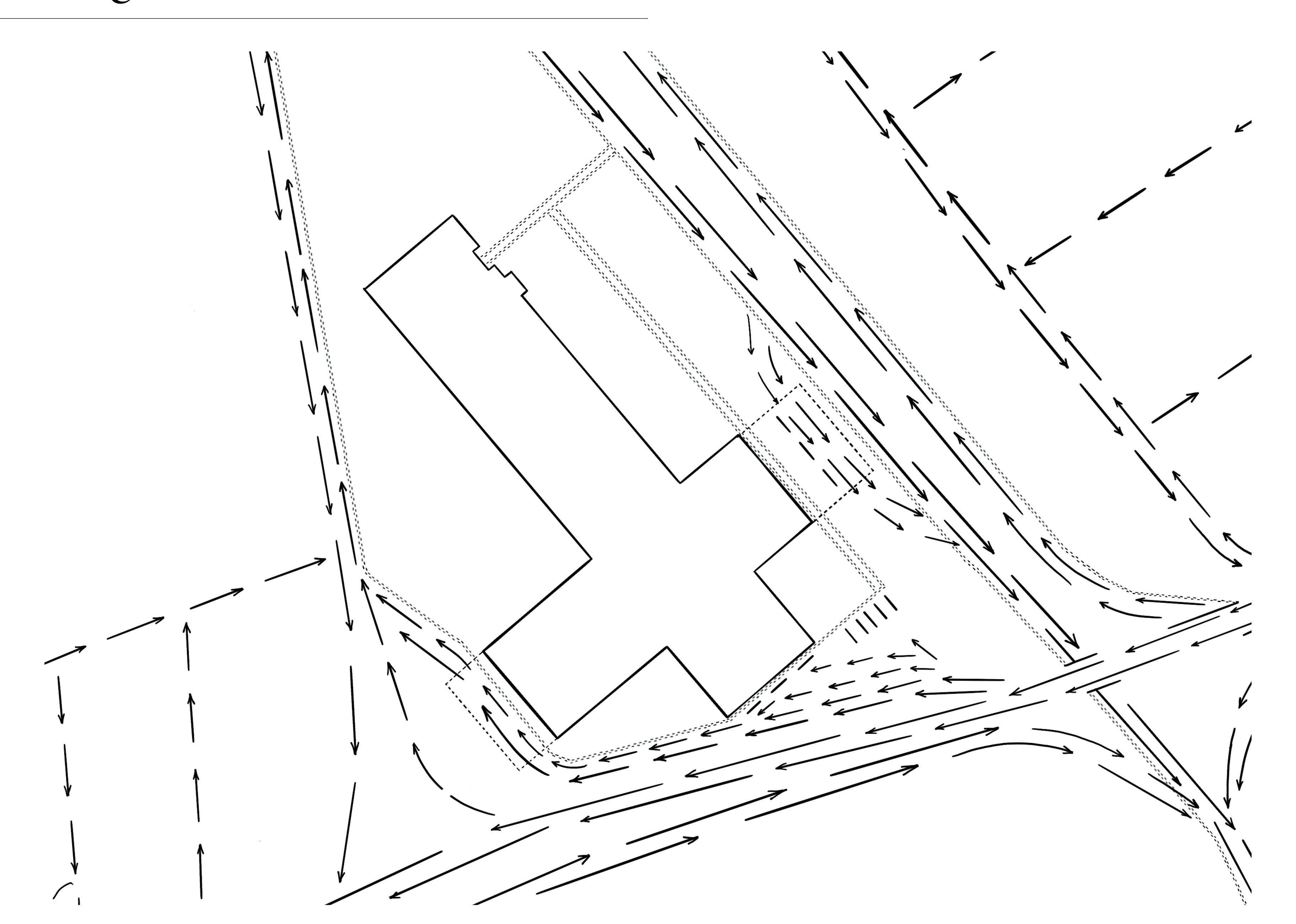


Urban Scale: Site

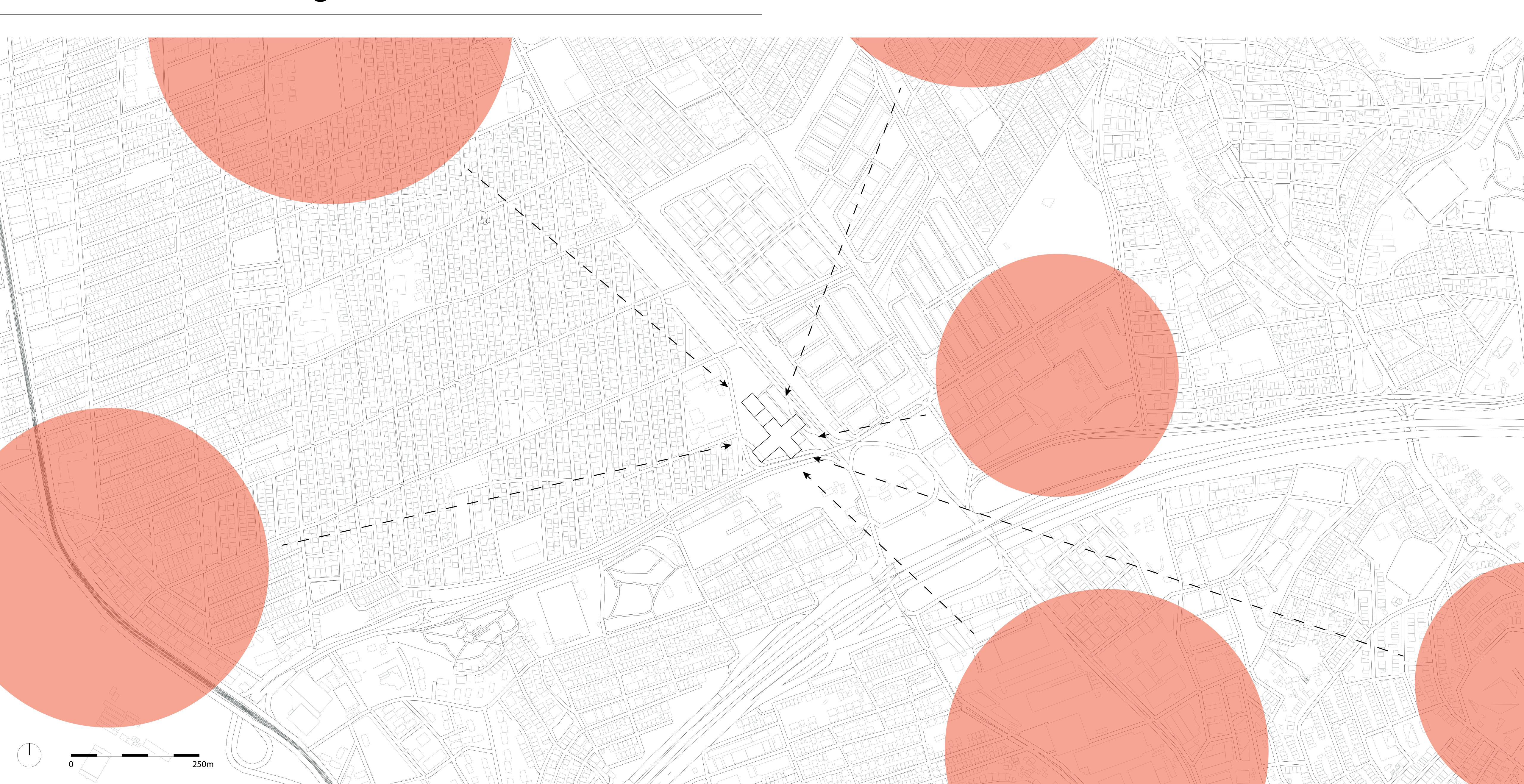


Urban Scale: Logistics



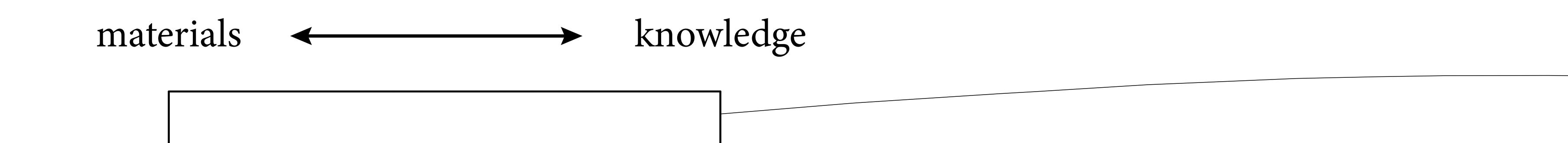


Urban Scale: Logistics

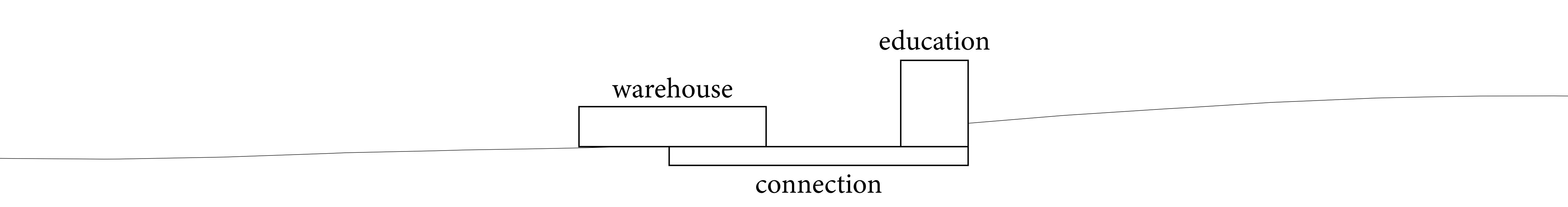


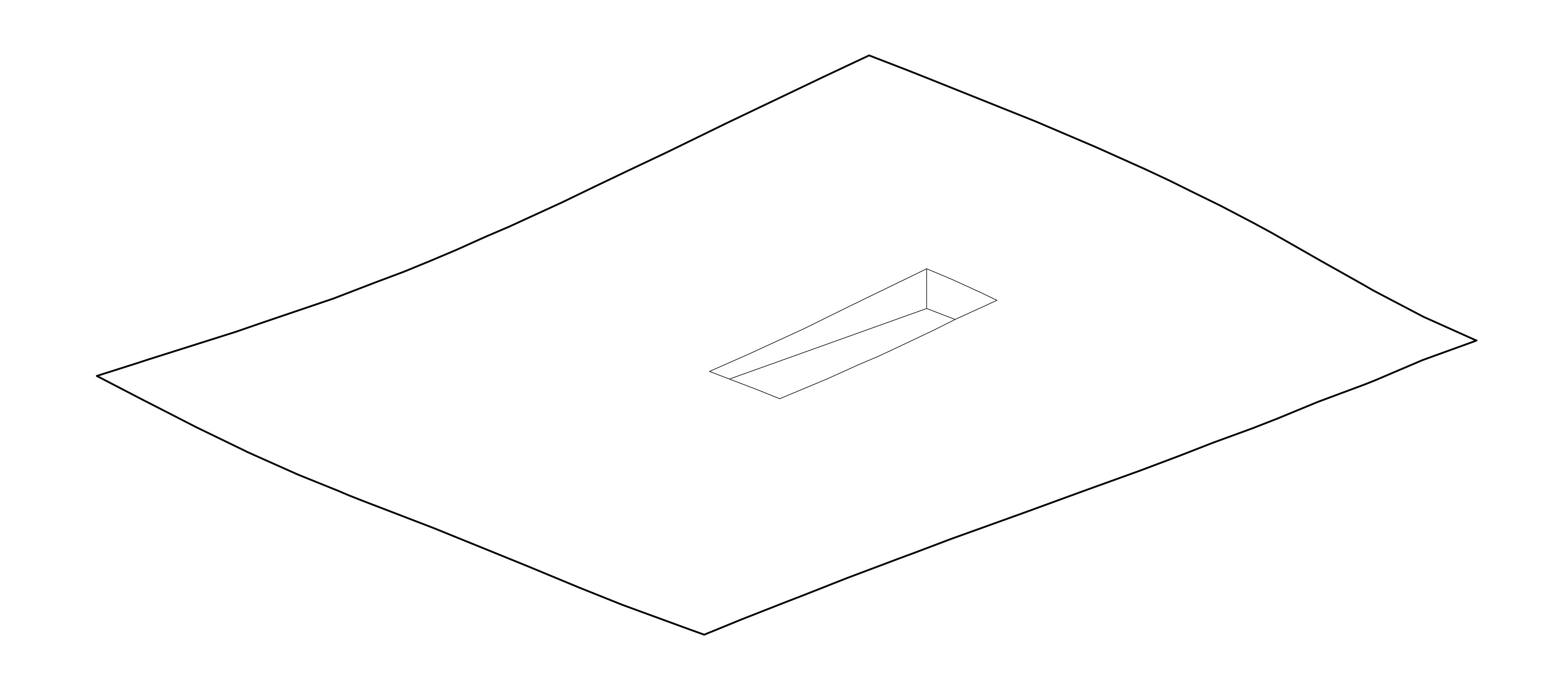
Building Design

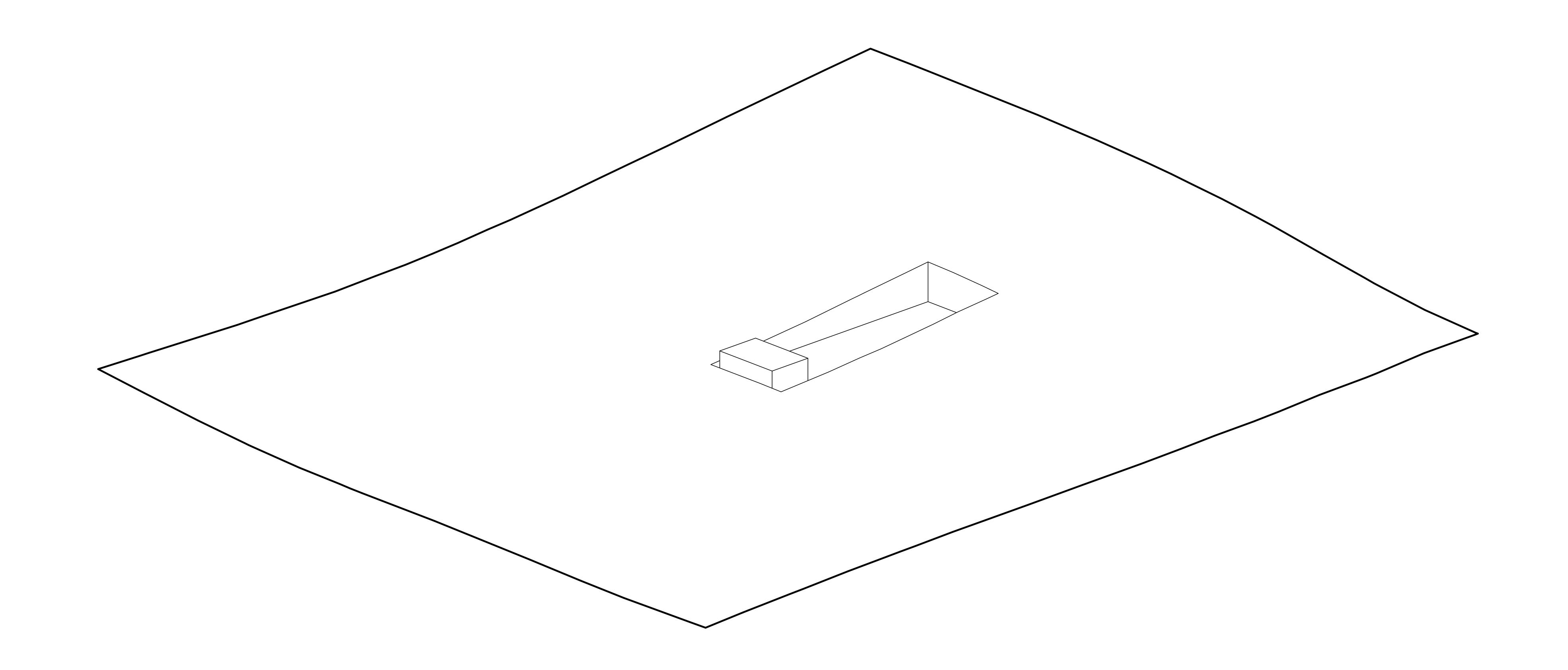
Building Design: Flow of Resources



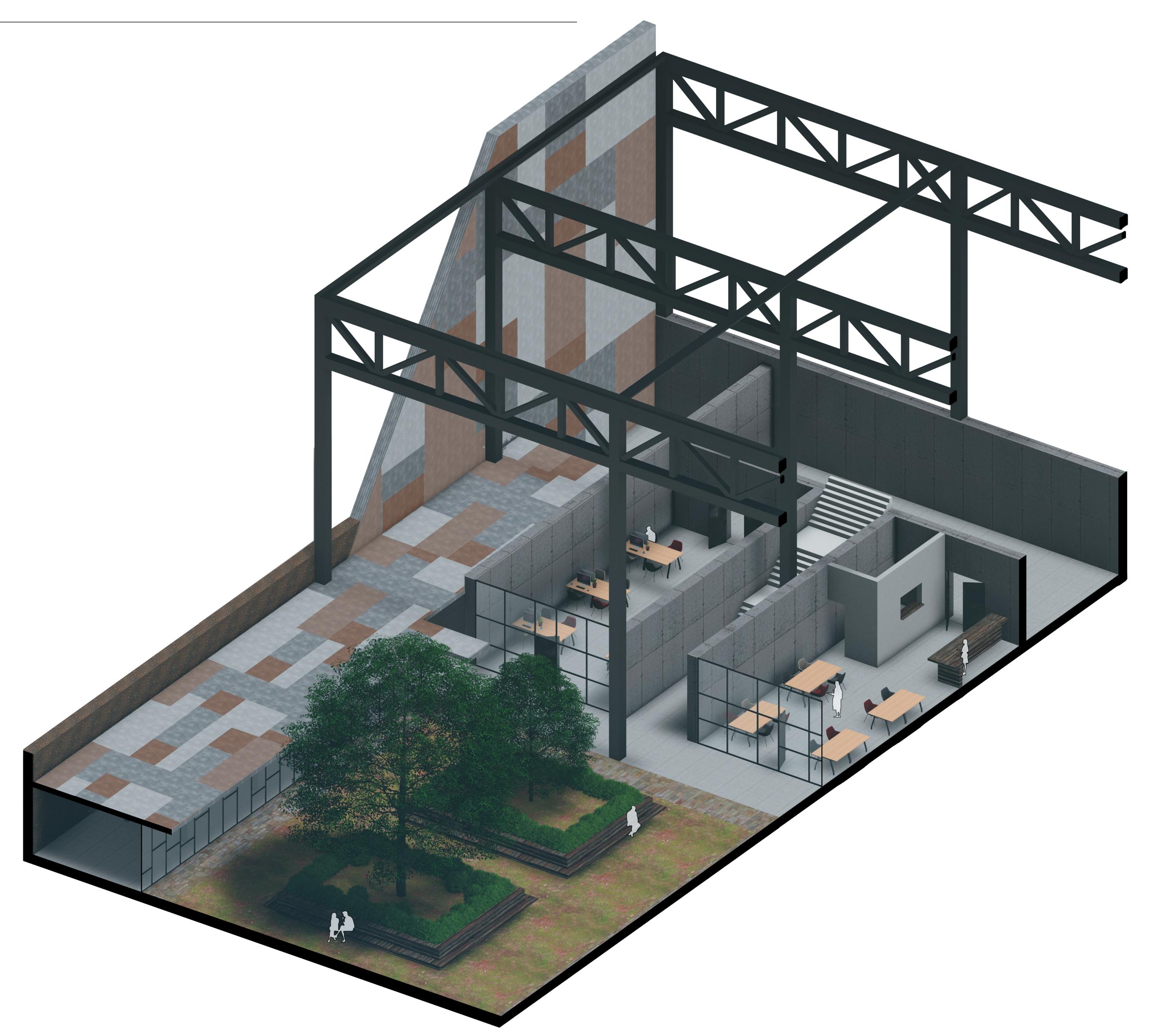
Building Design: Grouped Functions

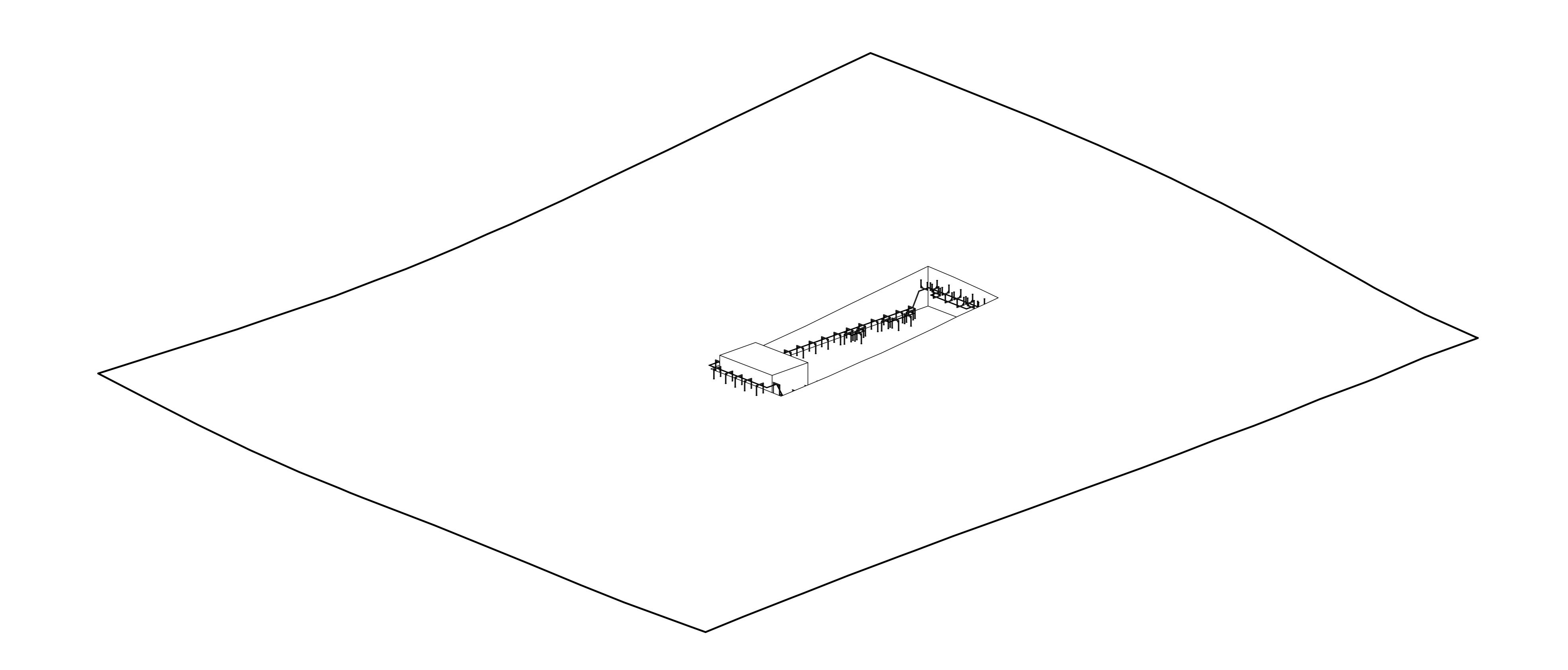


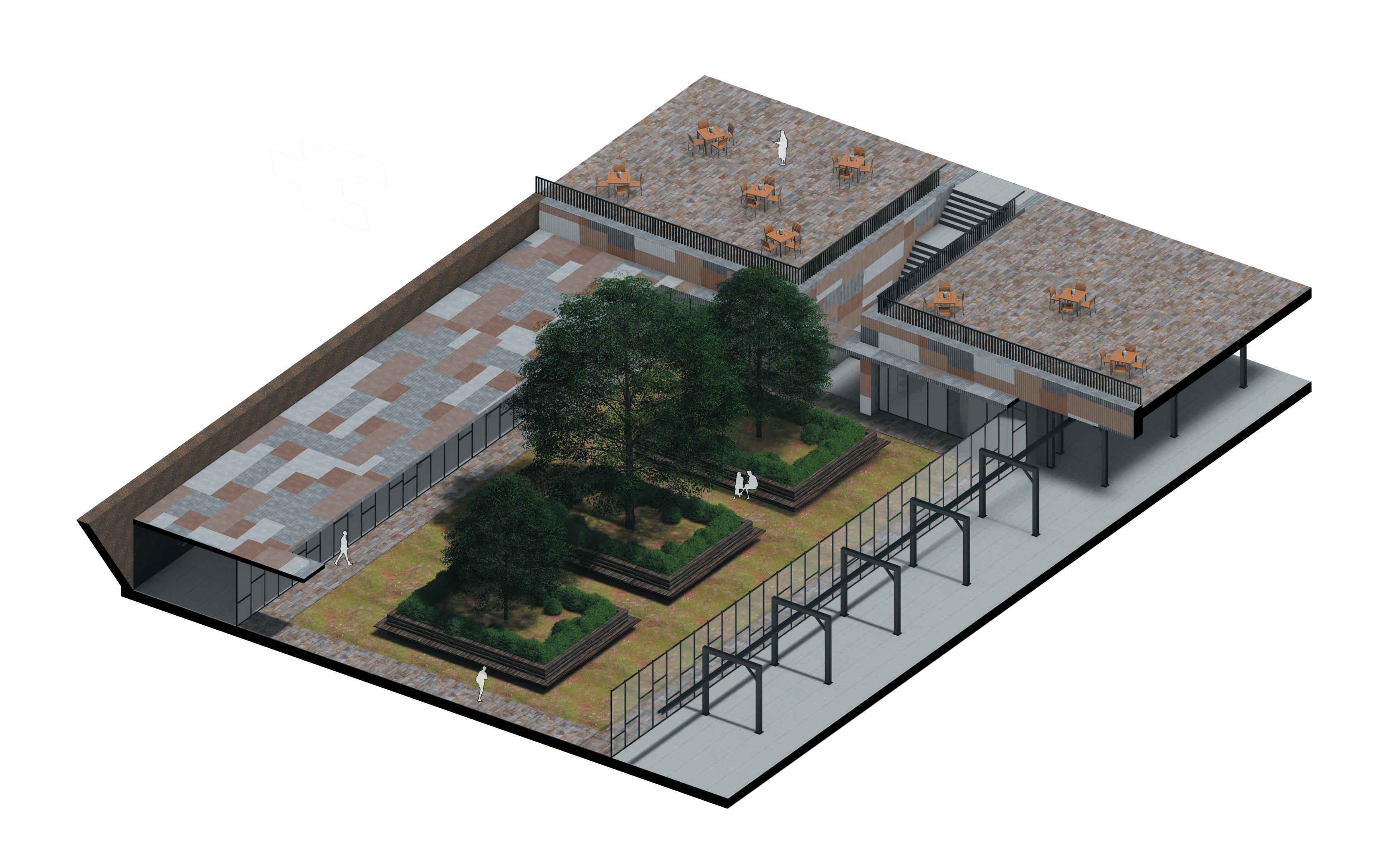


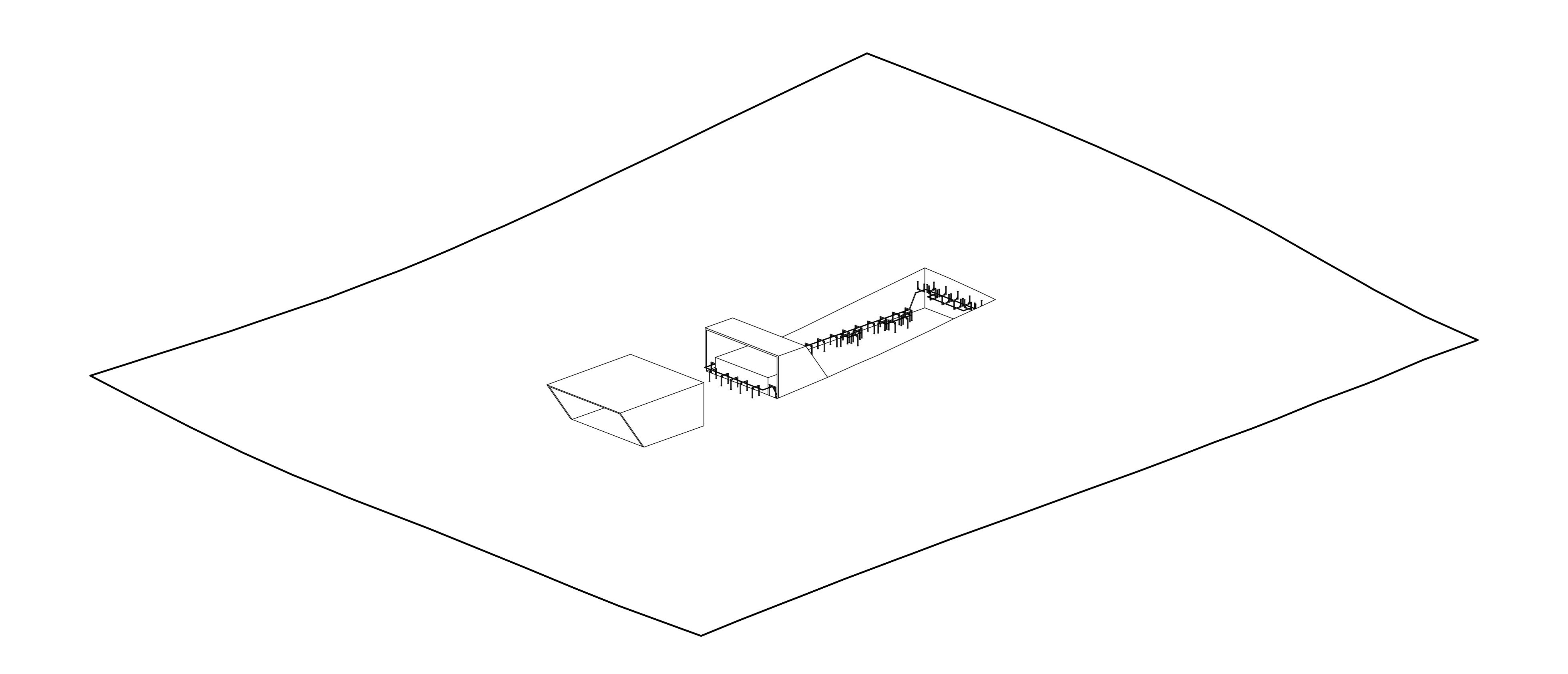


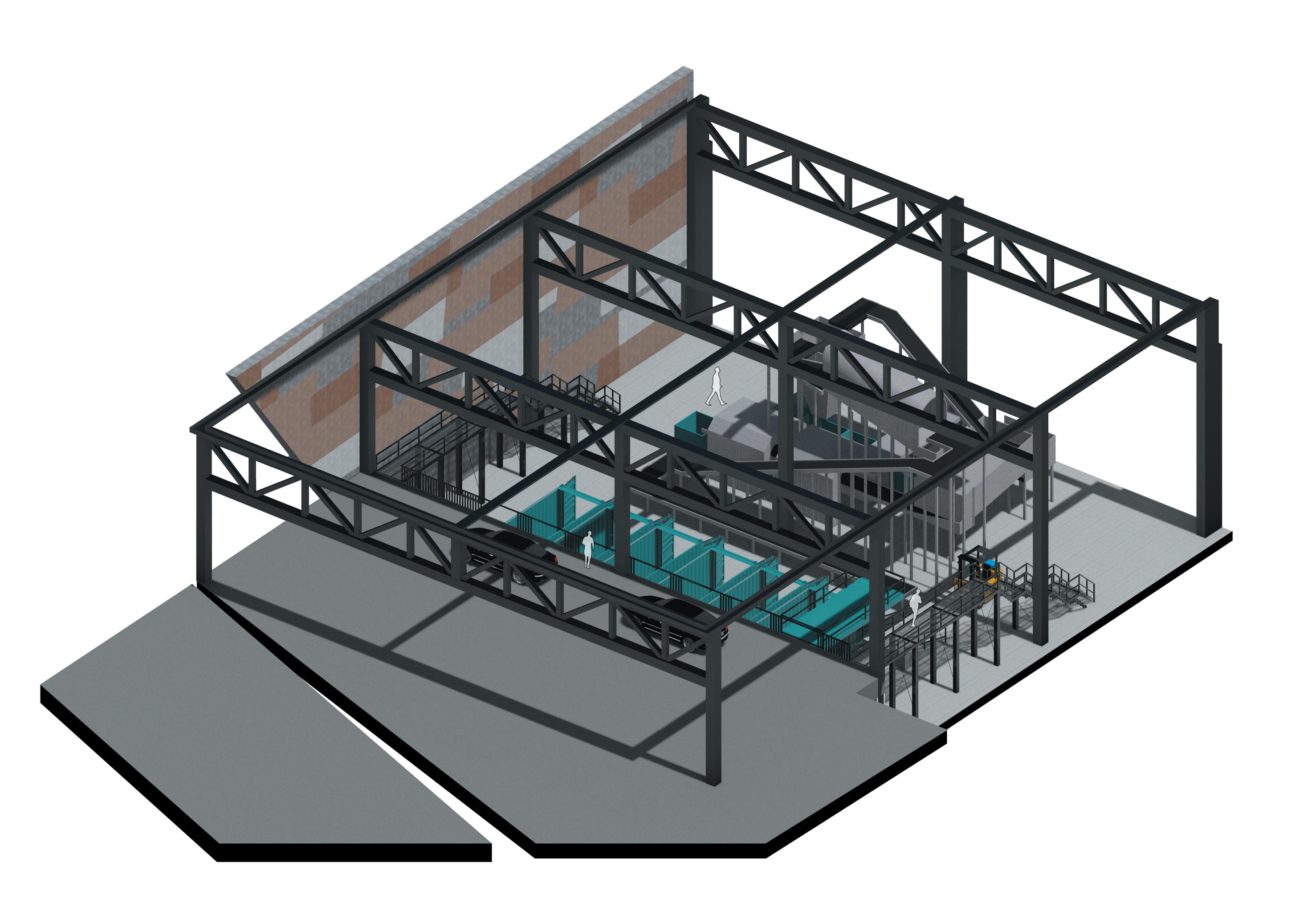
Building Design: Social

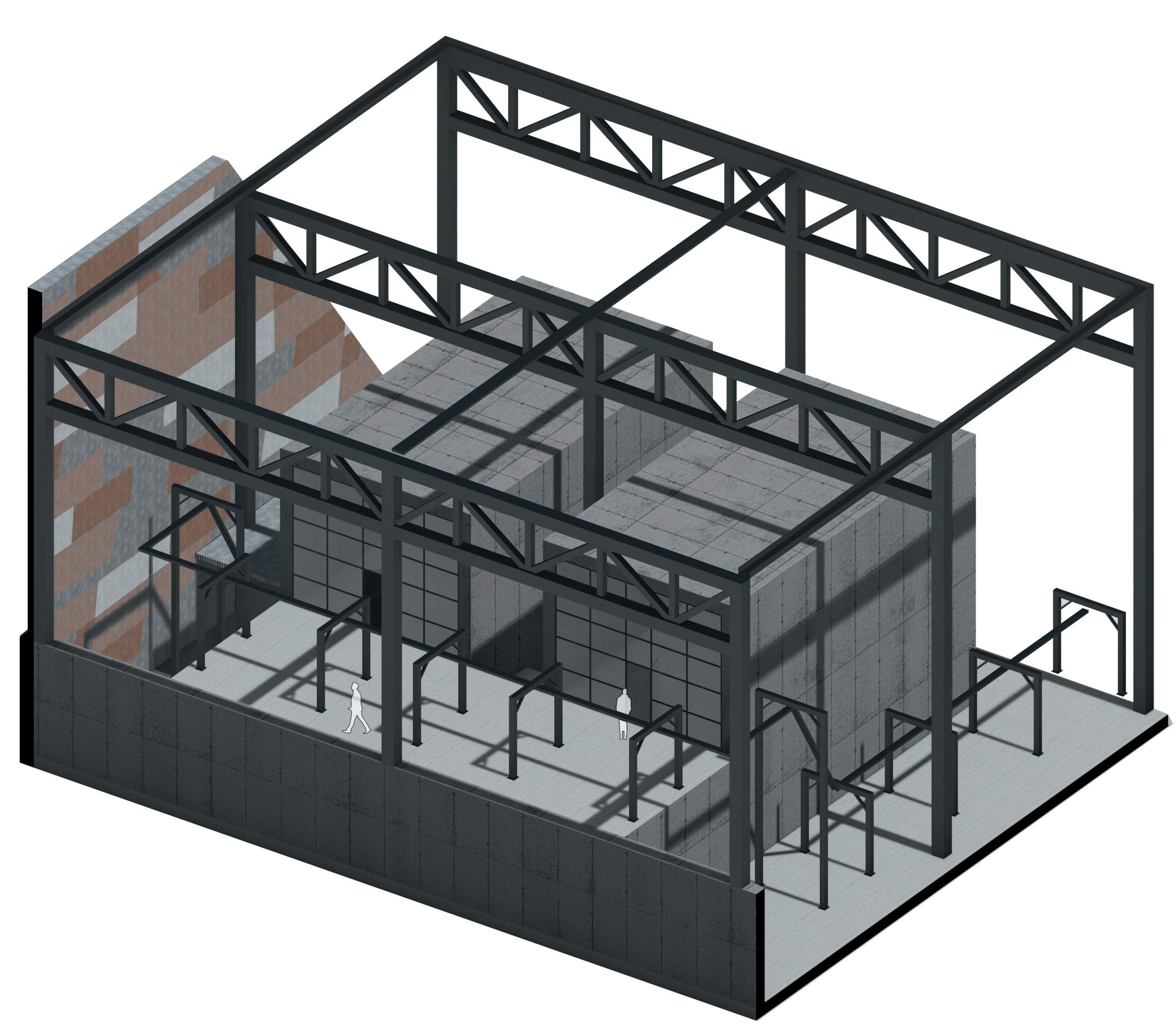


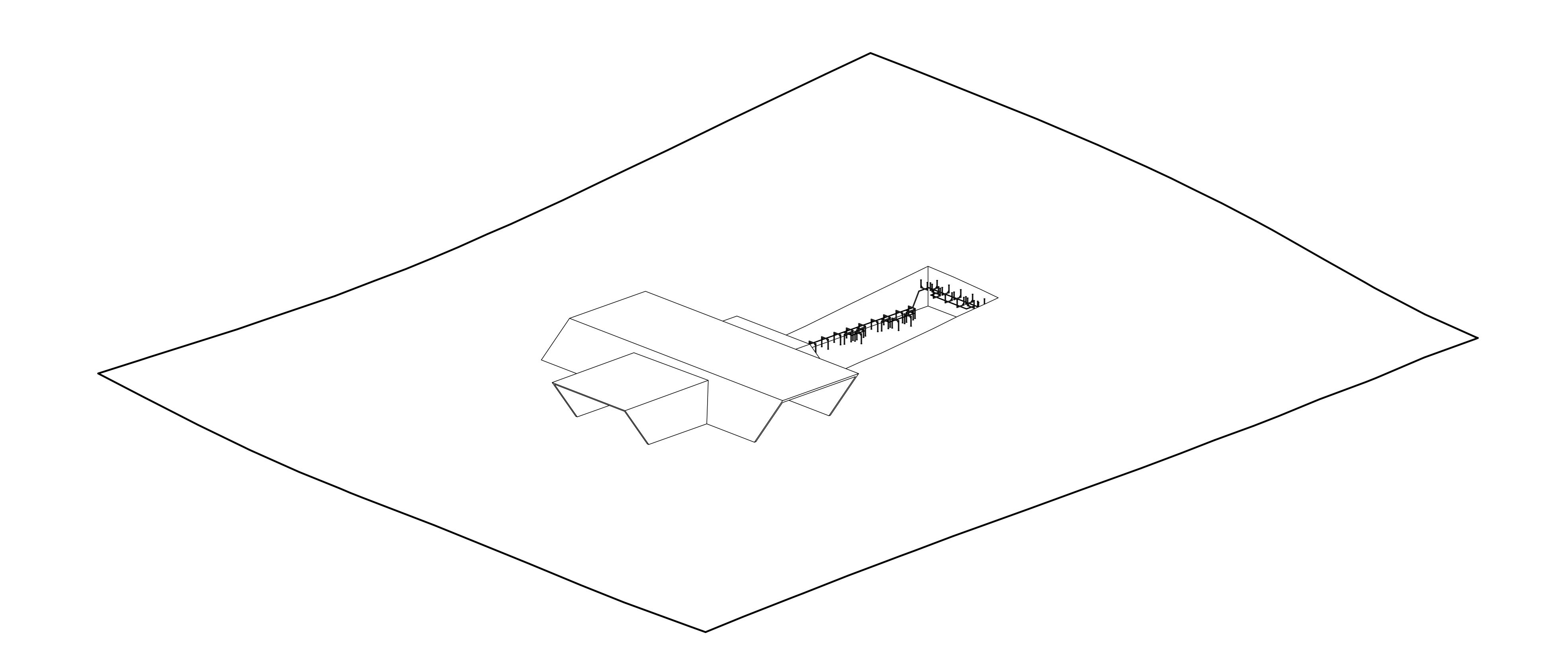




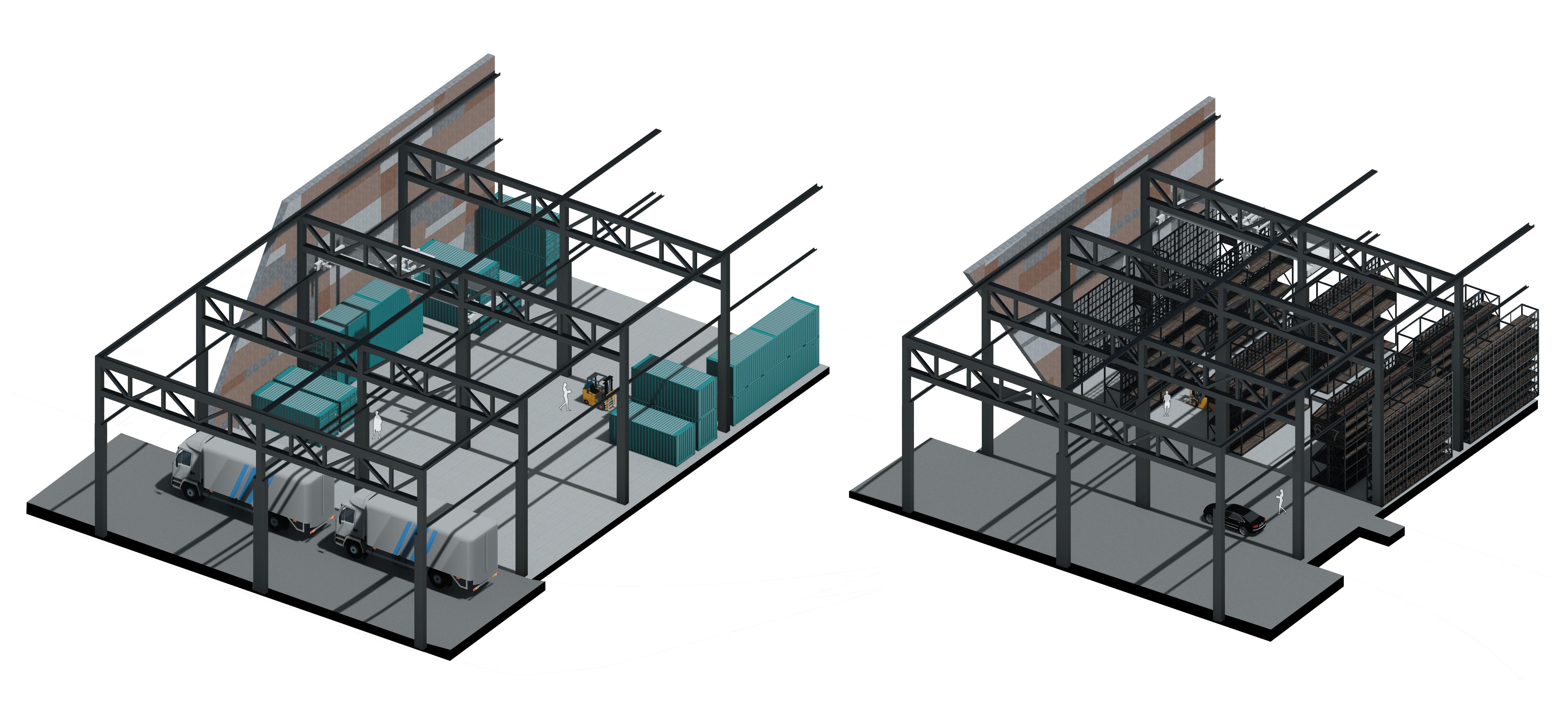


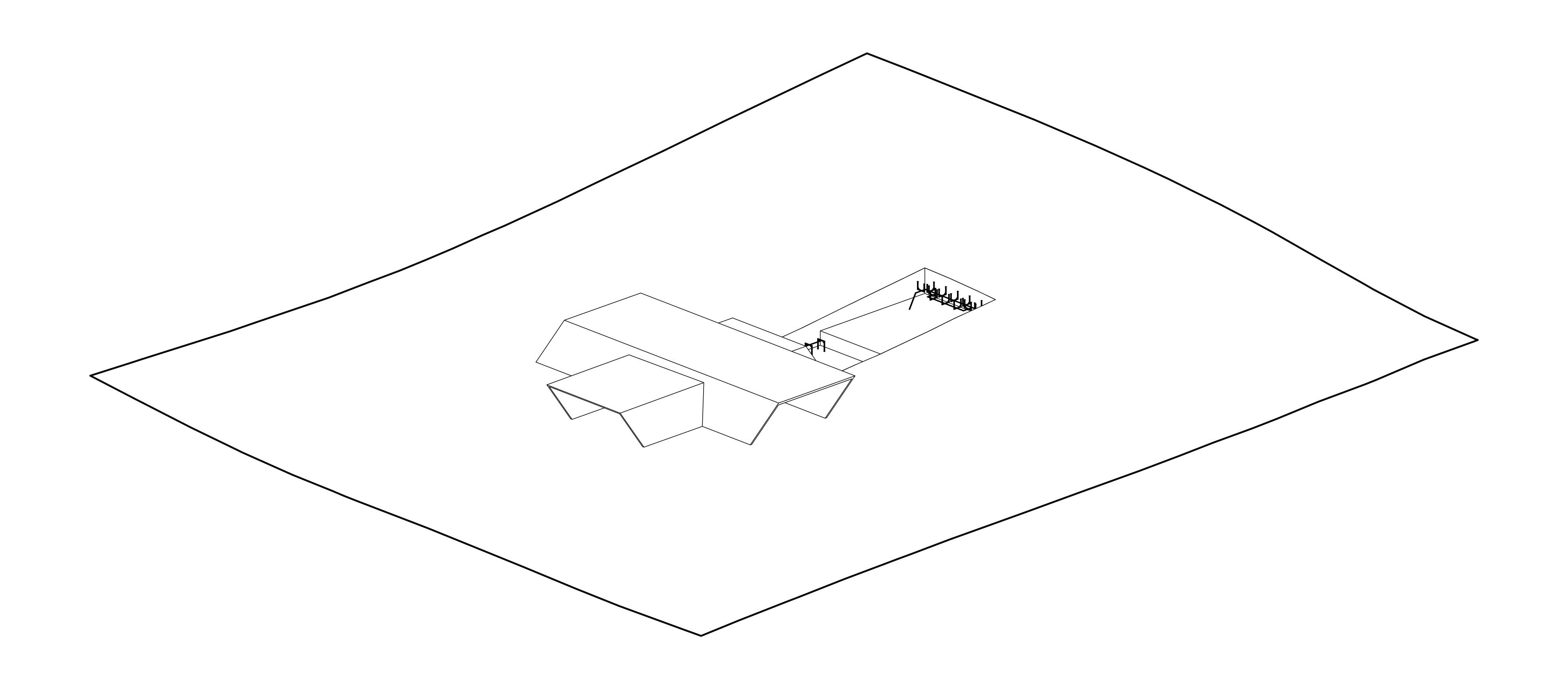


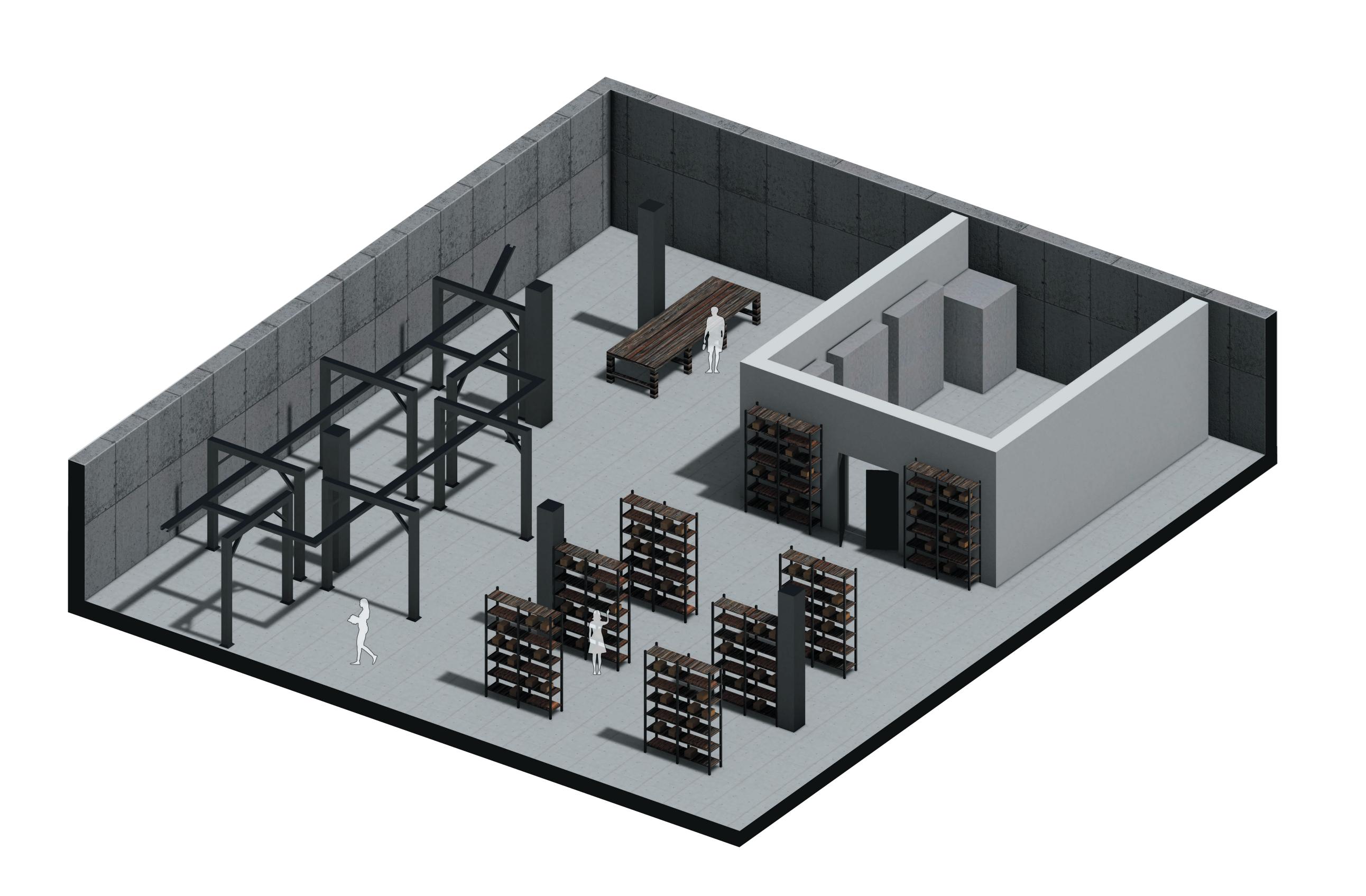


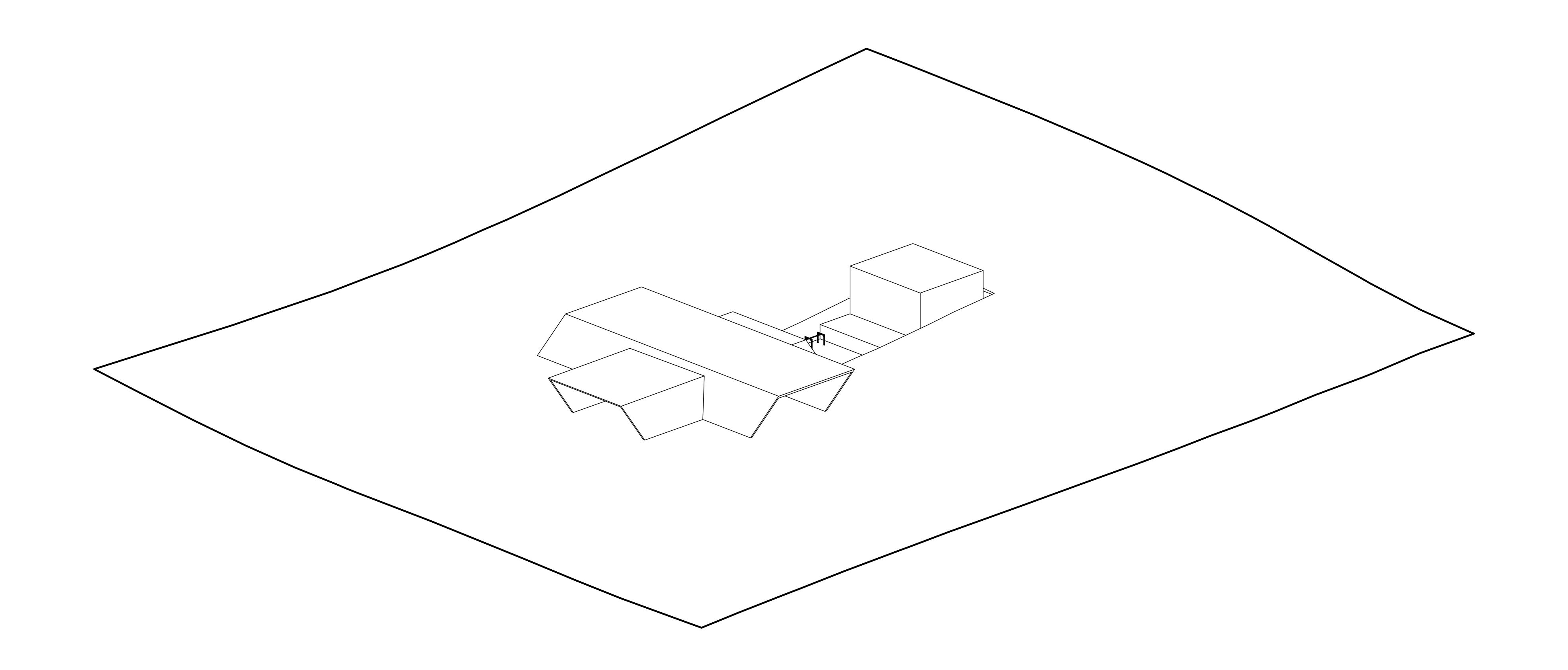


Building Design: Truck Bay + Storage

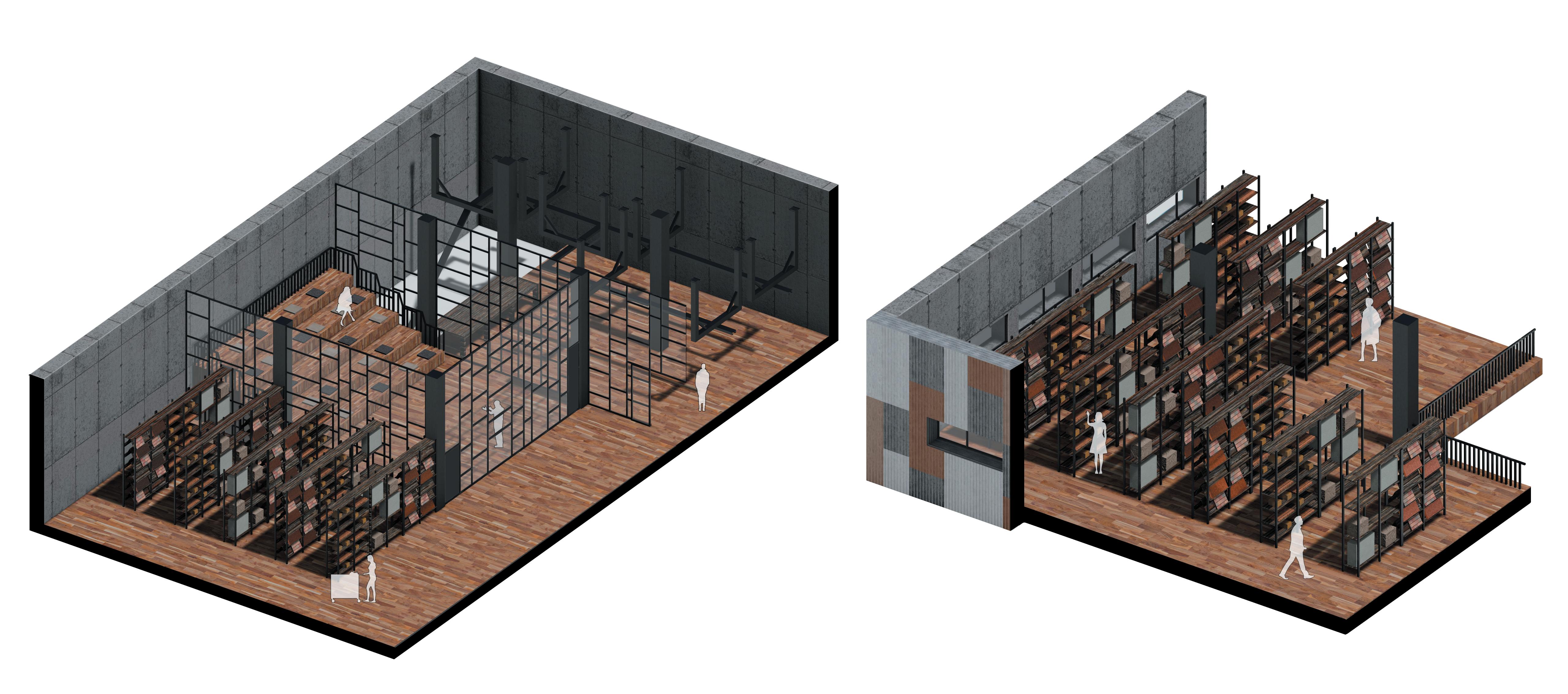


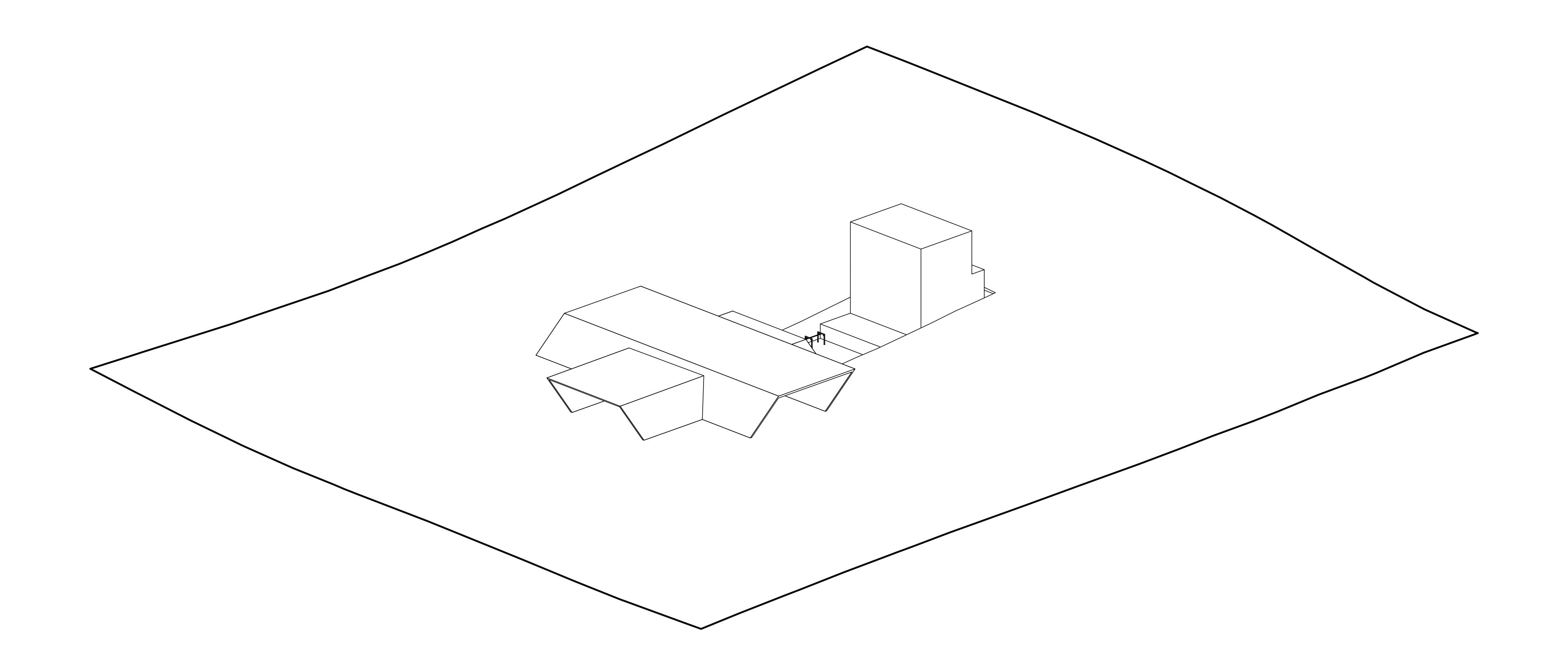






Building Design: Material Library



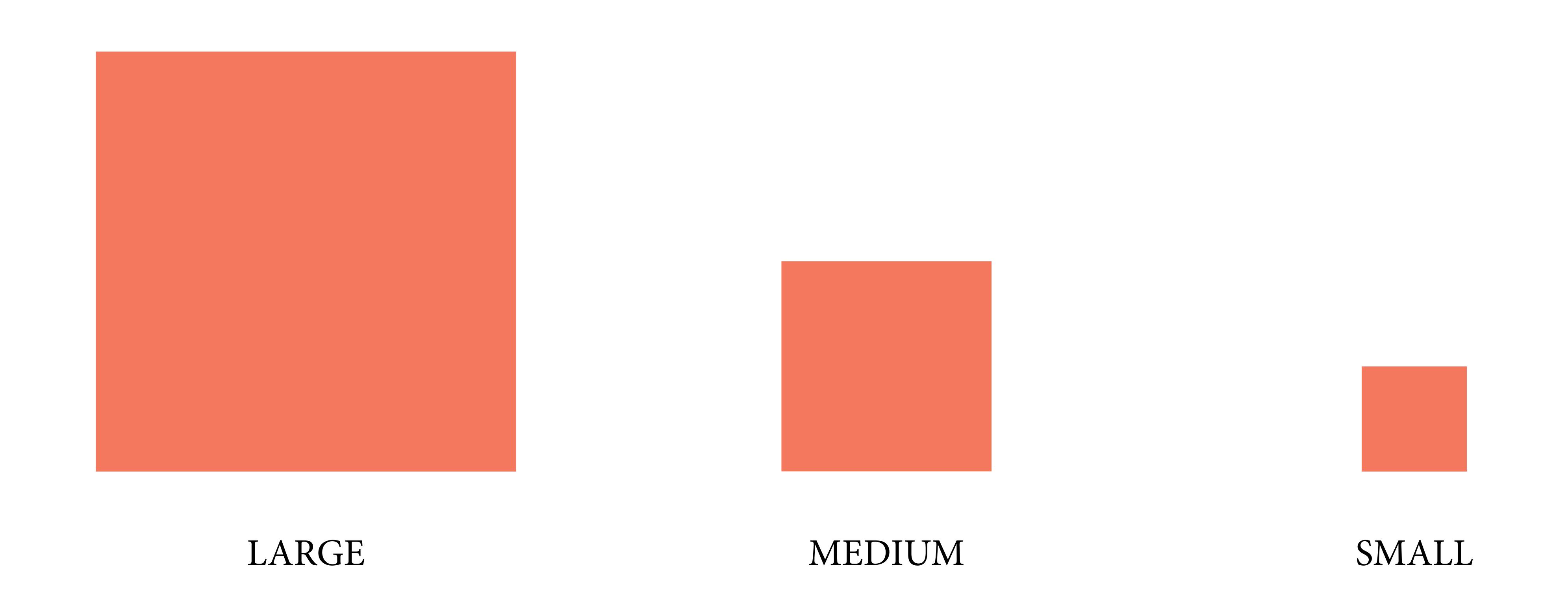


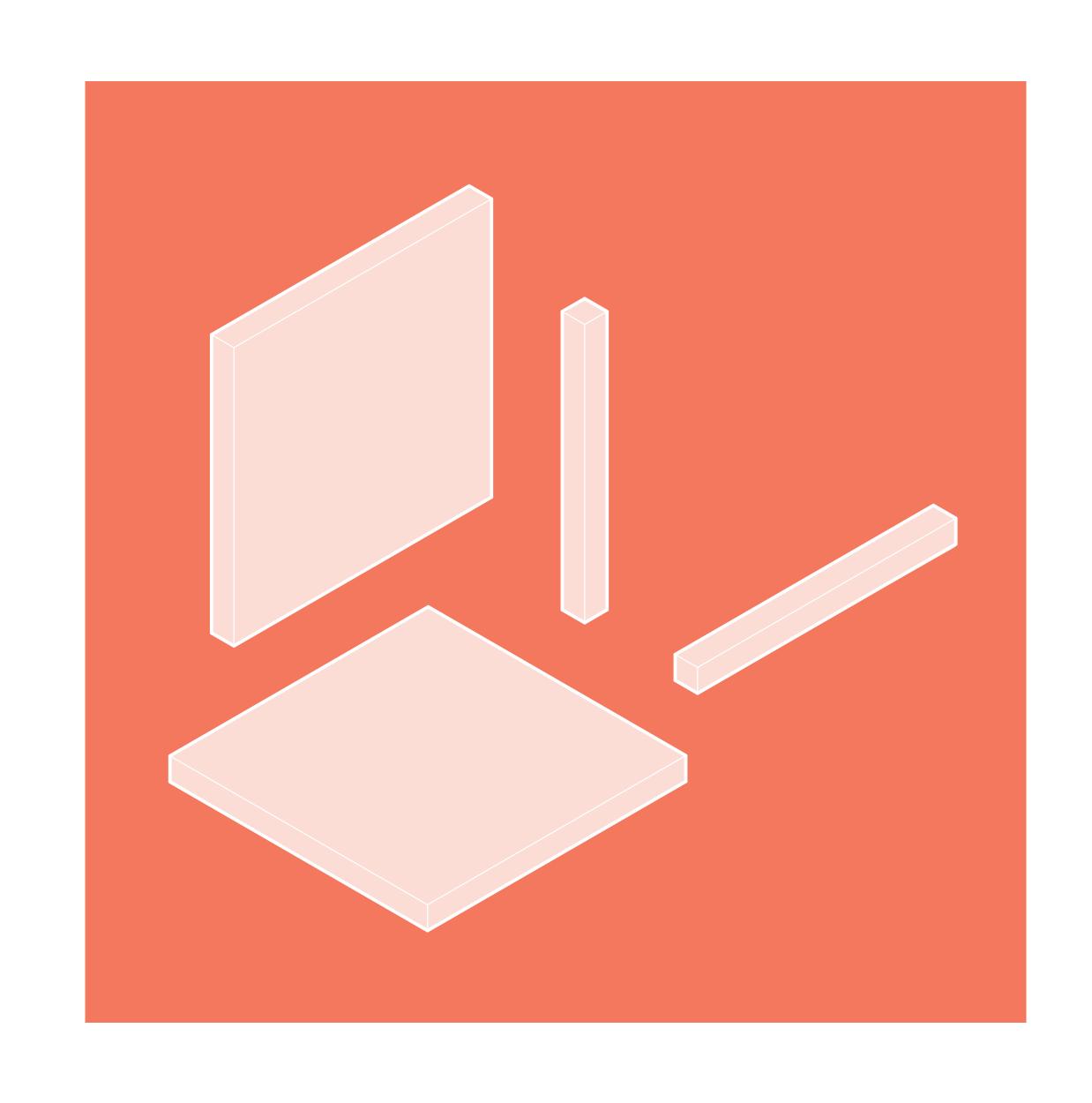
Building Design: Education





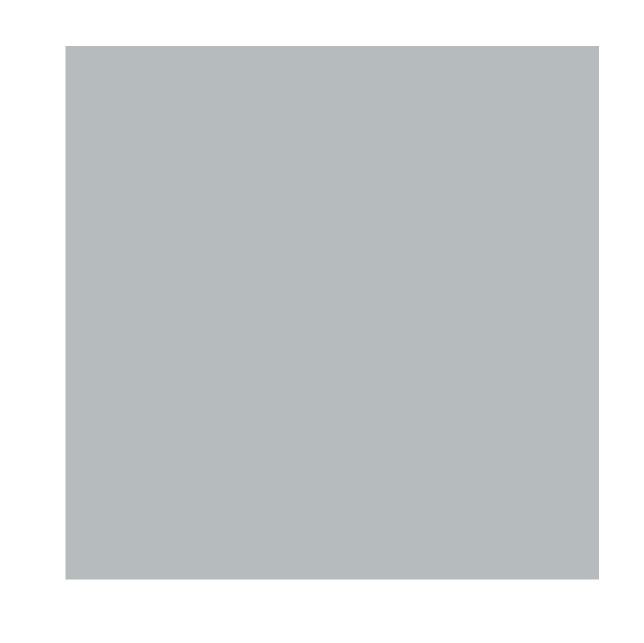
Human Scale





LARGE

STRUCTURAL columns, beams, floor / wall elements

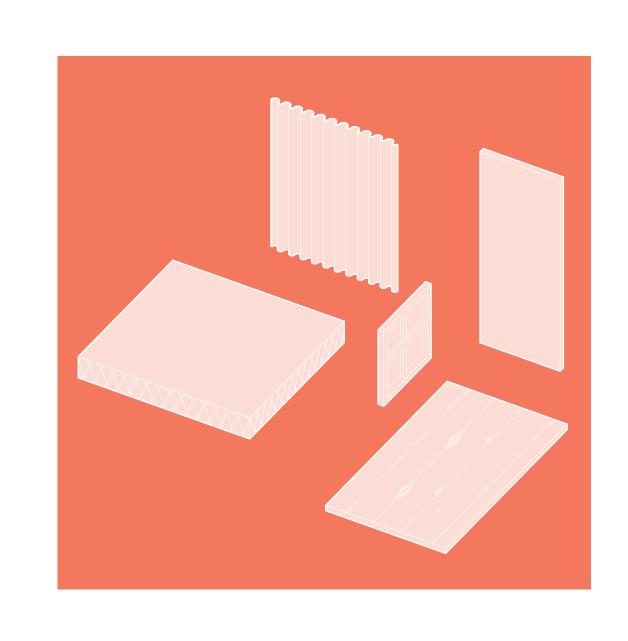


MEDIUM



SMALL







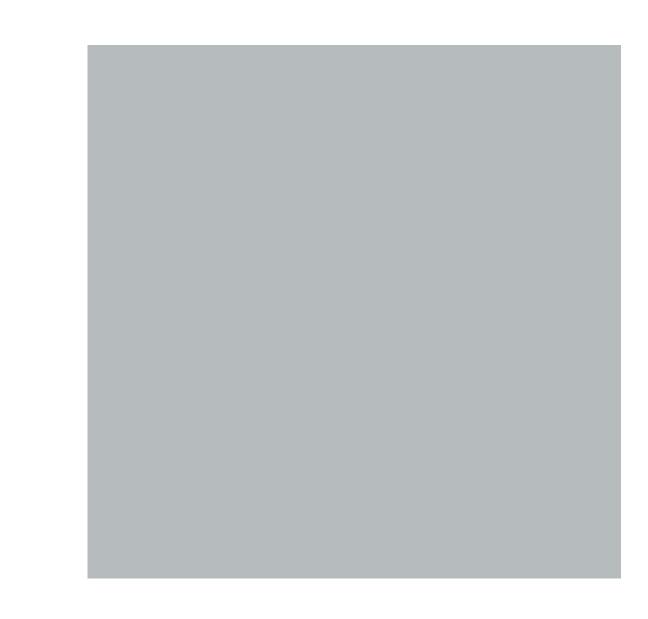
LARGE

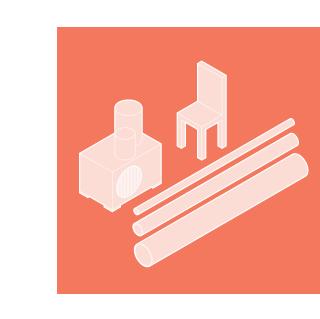
MEDIUM

SMALL

SKIN
plate materials, windows,
doors, insulation







LARGE

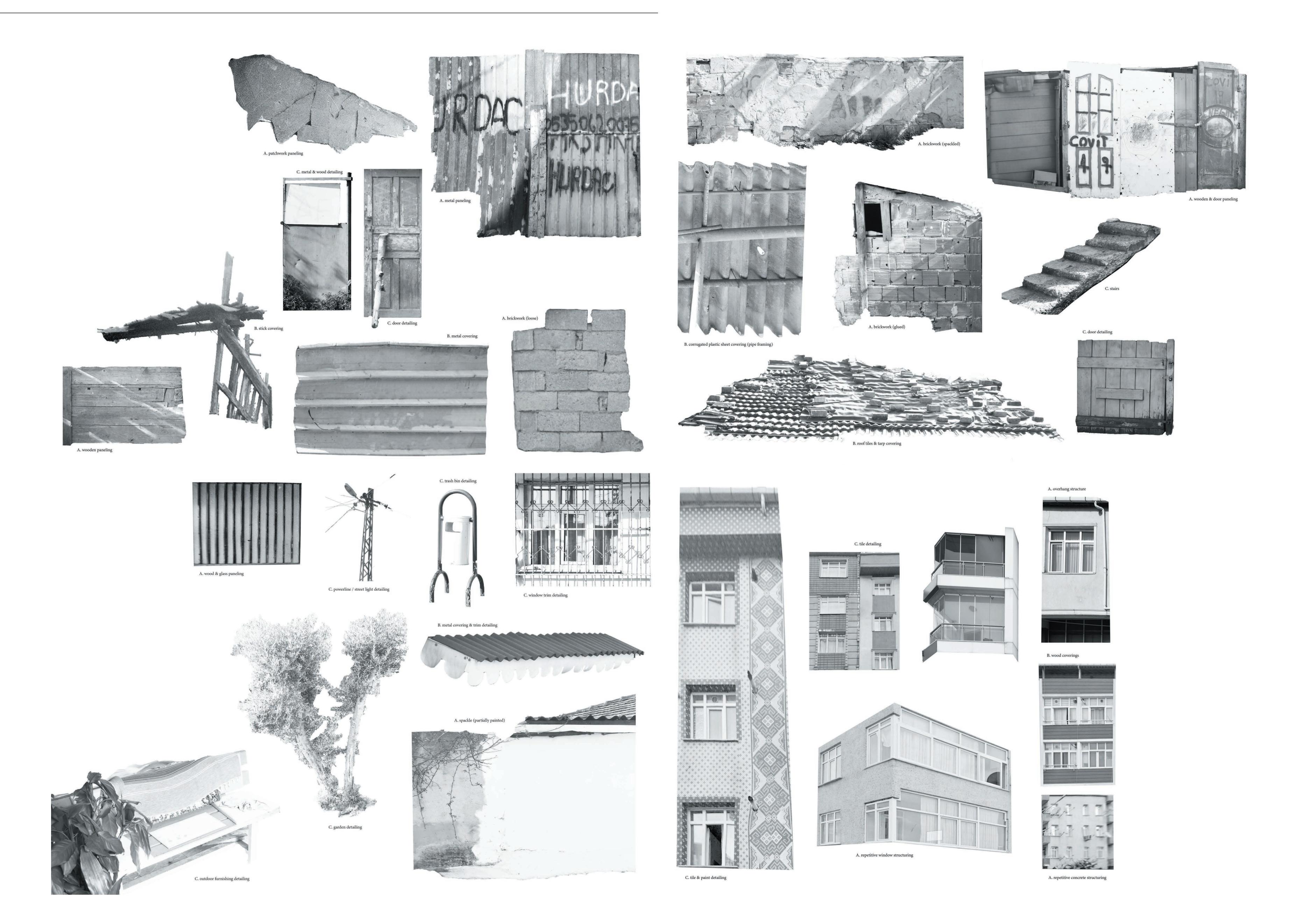
MEDIUM

SMALL

SYSTEMS energy / water distribution, ventilation

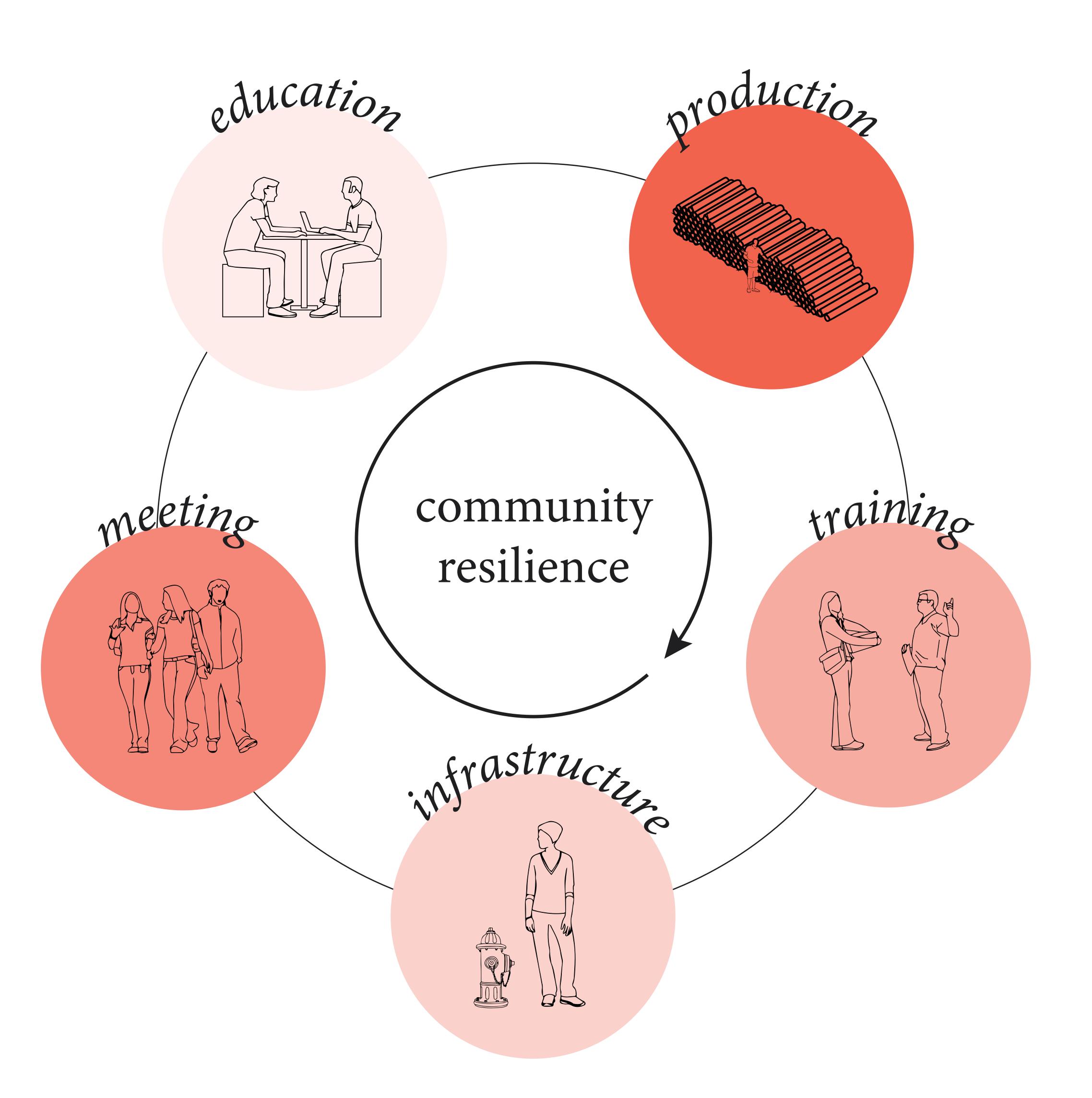
STUFF furniture, wiring, tubing

Human Scale: Existing Materials



Conclusion

Conclusion: Community Resilience



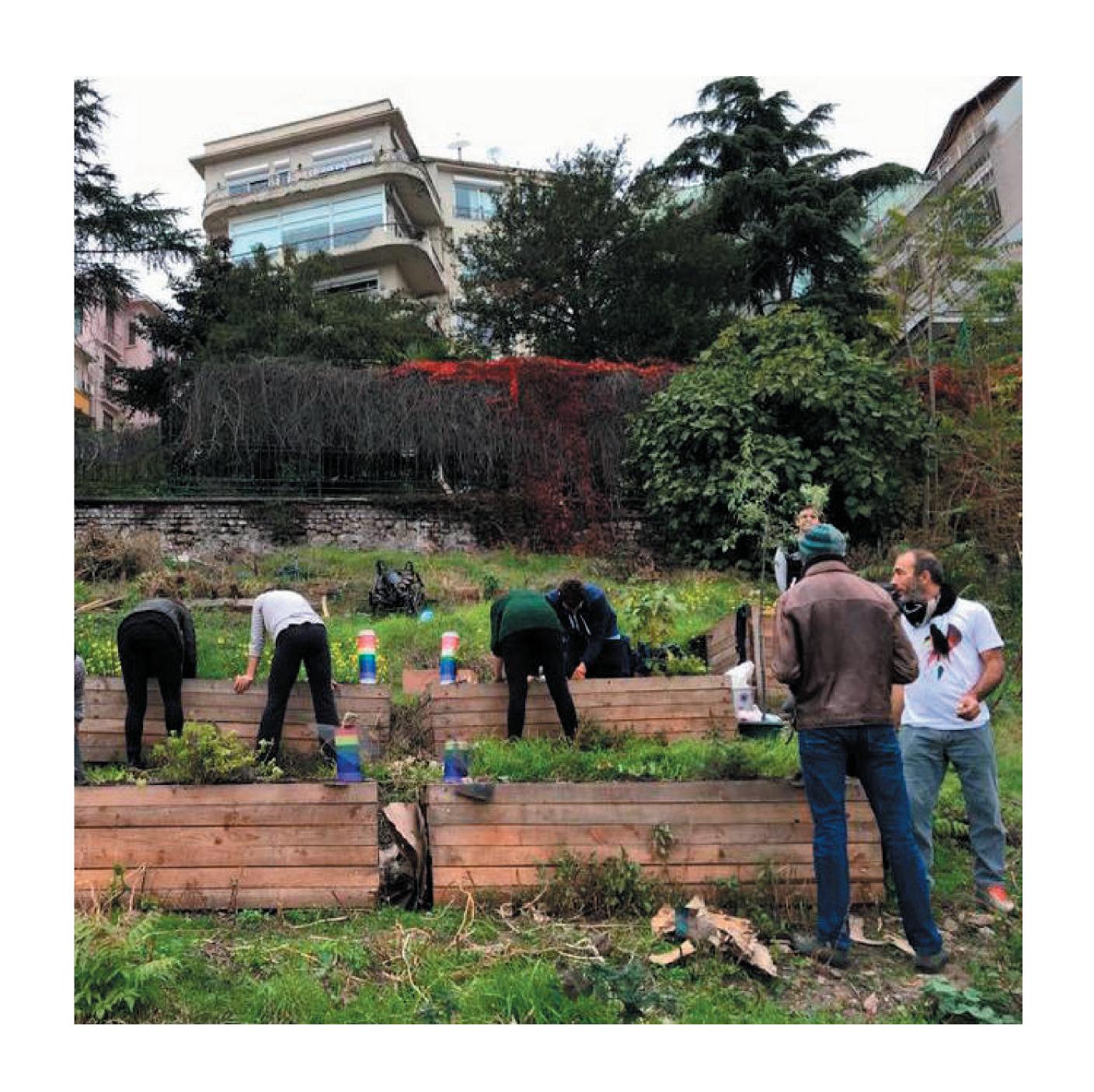
Conclusion



Identity



Community



Self Sufficiency

Conclusion

The City

as a

Center for Resources

The Building

as a

Center for Resources

The People

as a

Center for Resources

