

DECONSTRUCTION RECONSTRUCTION



EXHIBITION

ARCHITECTURAL EXPERIMENTATION

REUSE

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IV. DESIGN

I. INTRODUCTION

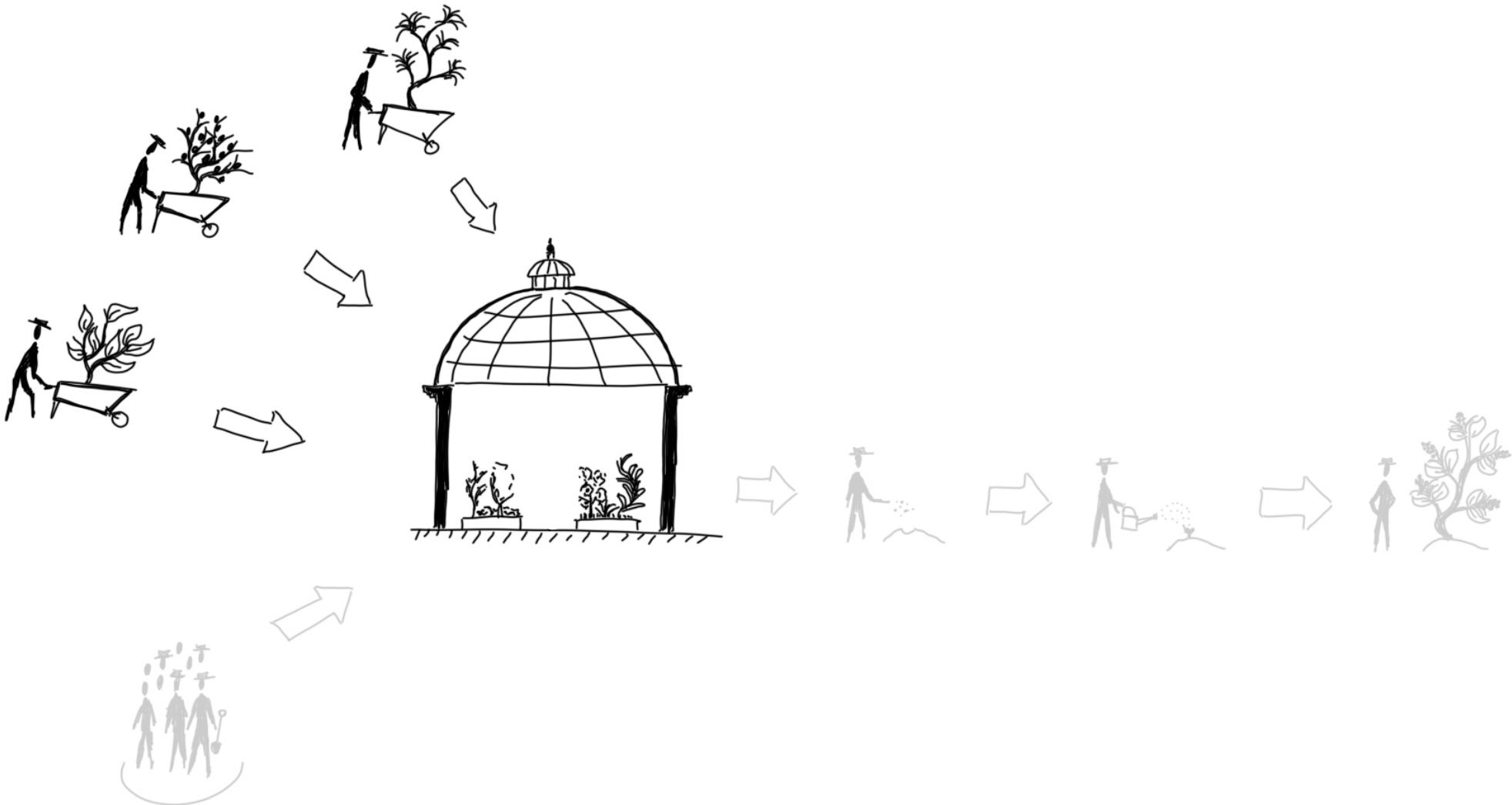
FASCINATION 1:

Biennials



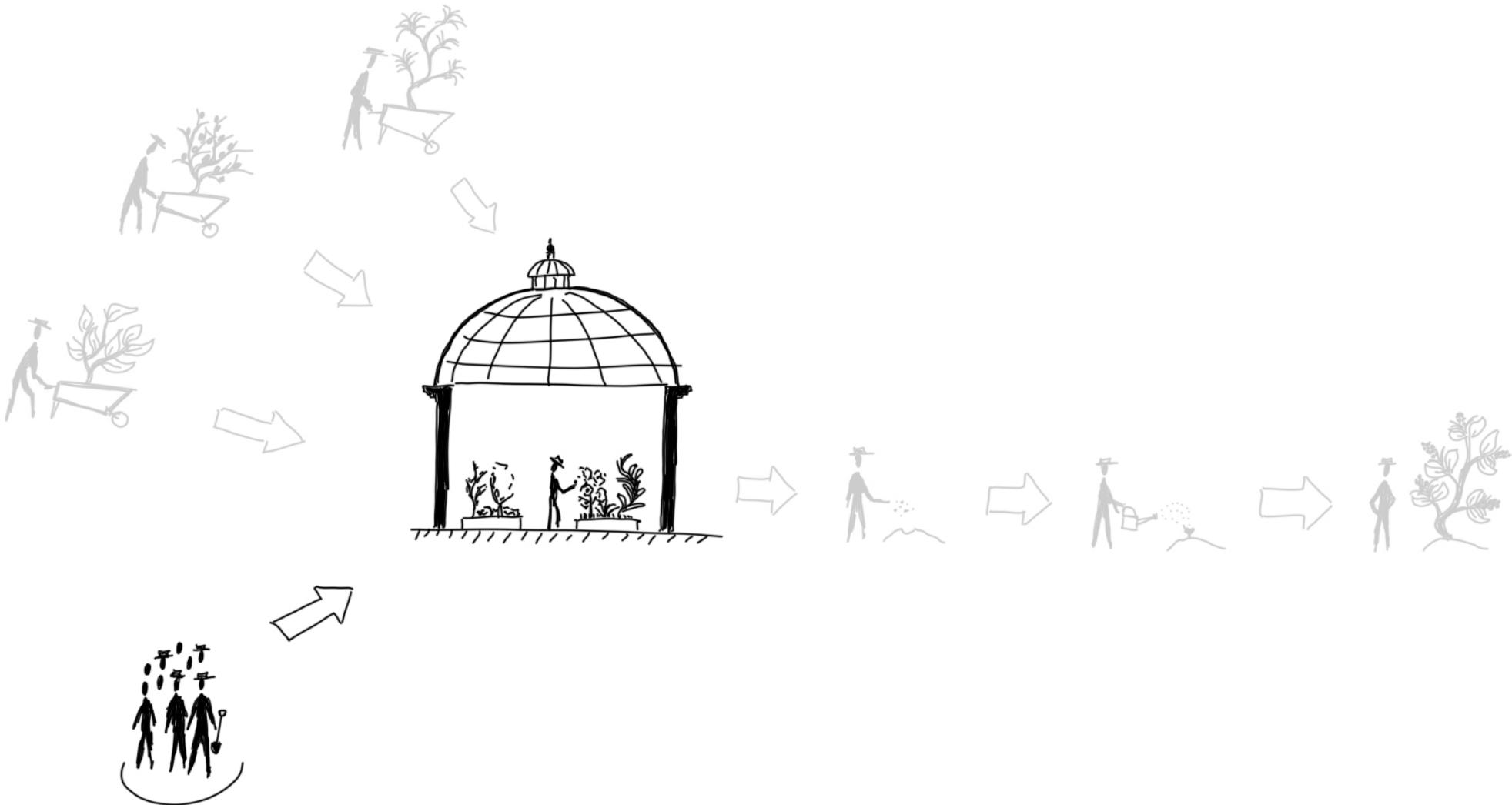
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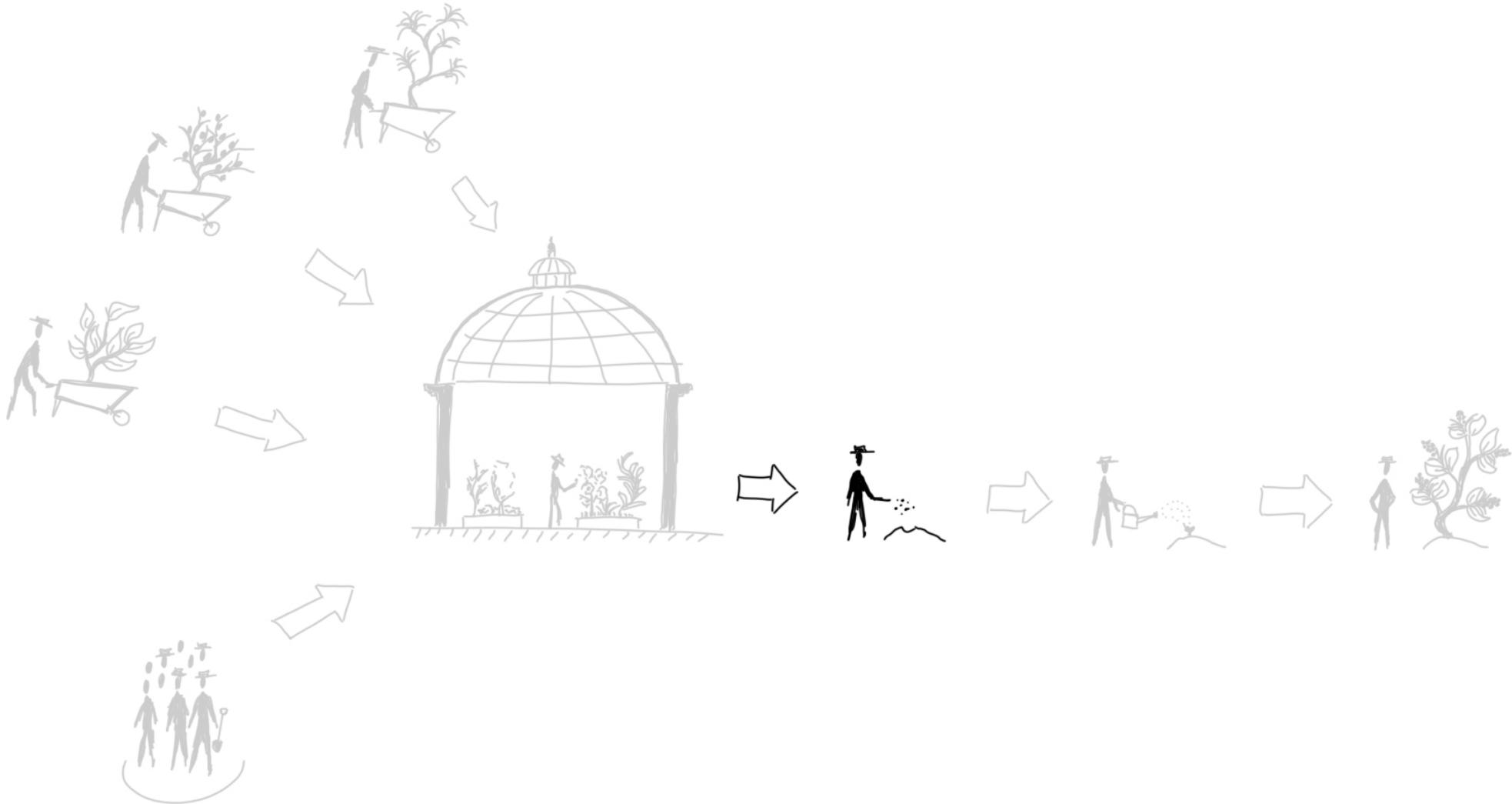
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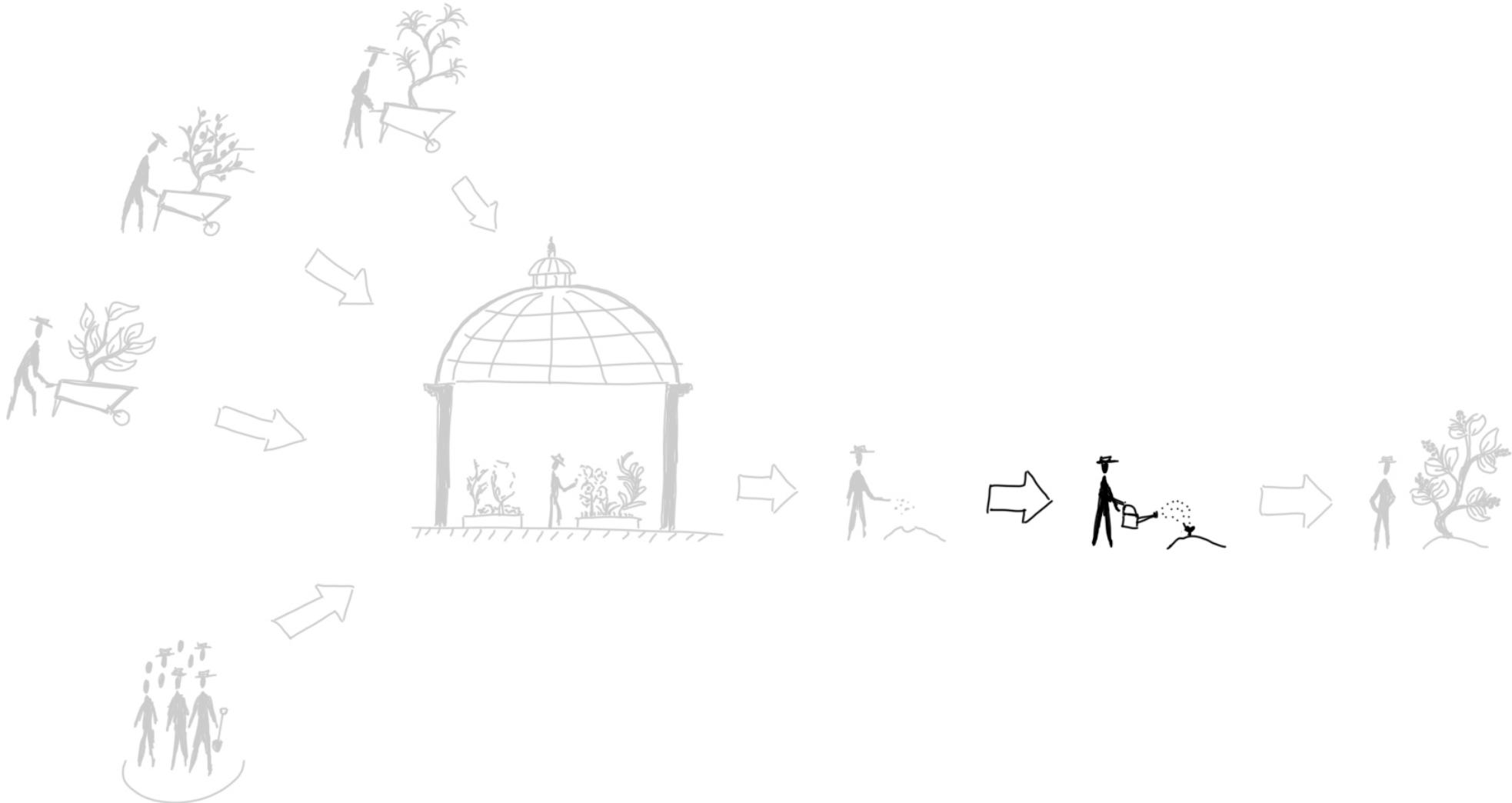
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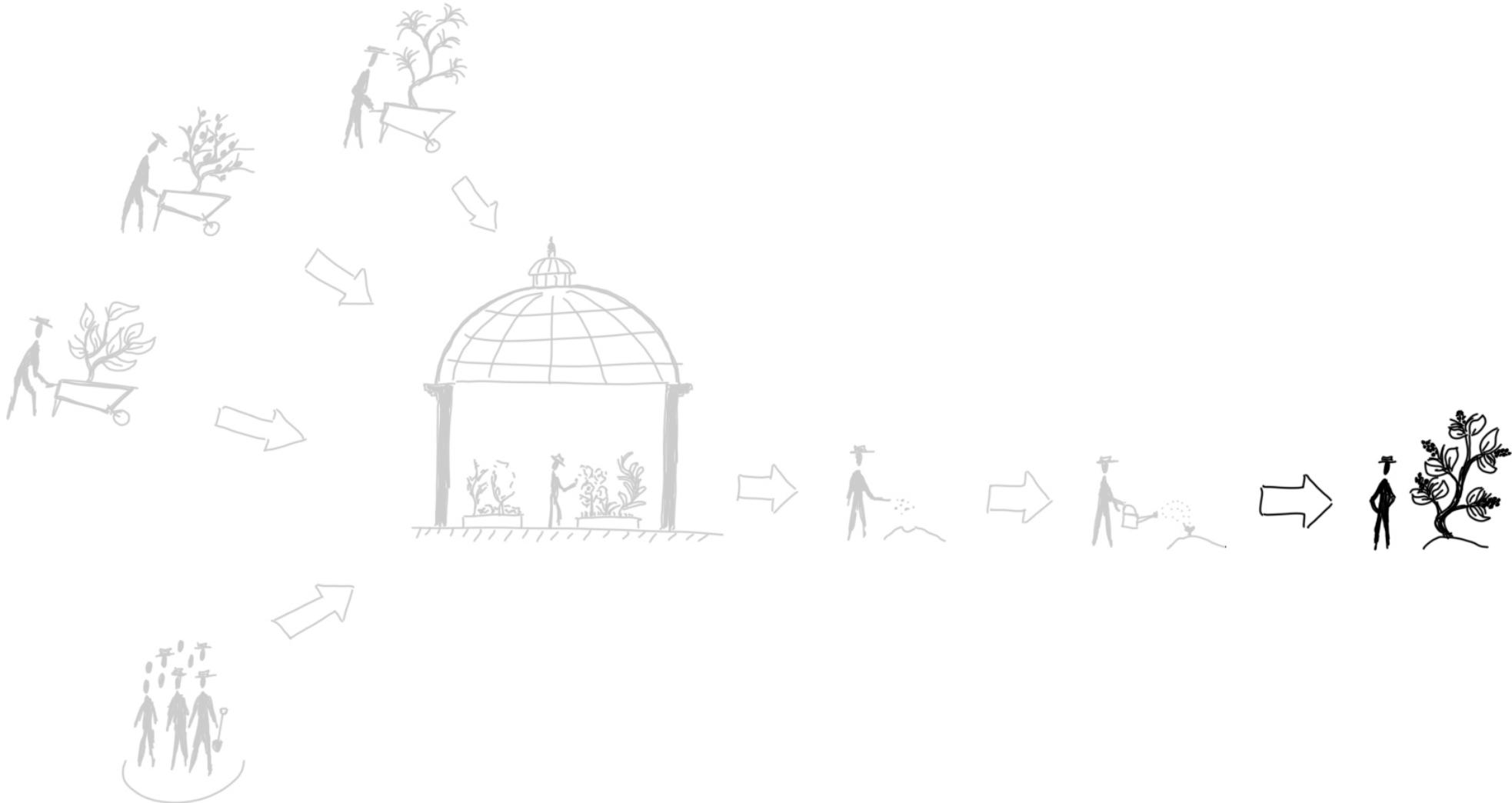
FASCINATION 1:

Biennials



FASCINATION 1:

Biennials





FASCINATION 2:

Ise Jingu









II. RESEARCH

PROBLEM STATEMENT

Critism on Dutch architecture



ze
en www.dezeen.com

"Architecture in the Netherlands has become notably boring"

Dutch architecture may be at the forefront of sustainable building practices, but Aaron Betsky feels it has rather lost its sparkle in recent years.

Aaron Betsky, 2023



H harmtilman.nl

Van Superdutch naar utterly boring architectuur - Harm Tilman

Veel aandacht kreeg ze niet, de hartekeet van Aaron Betsky op de website Dezeen. Deze doorgaans goed geïnformeerde criticus ordeelde dat de Nederlandse architectuur zijn glans heeft verloren en utterly boring (ronduit saai) is geworden. Heeft Betsky g...

Harm Tilman, 2023



c arcam.nl

Tien jaar tenderbeleid in Amsterdam - Arcam

De Nederlandse tendercultuur wordt veel besproken. Er is lof voor de Amsterdamse aanbestedingscultuur, maar ook kritiek. Op 8 oktober biedt Arcam in het kader van Form Follows Finance, het podium voor architecten, ontwikkelaars, beleidsmedewerkers en an...

Arcam, 2024

A www.architectu...



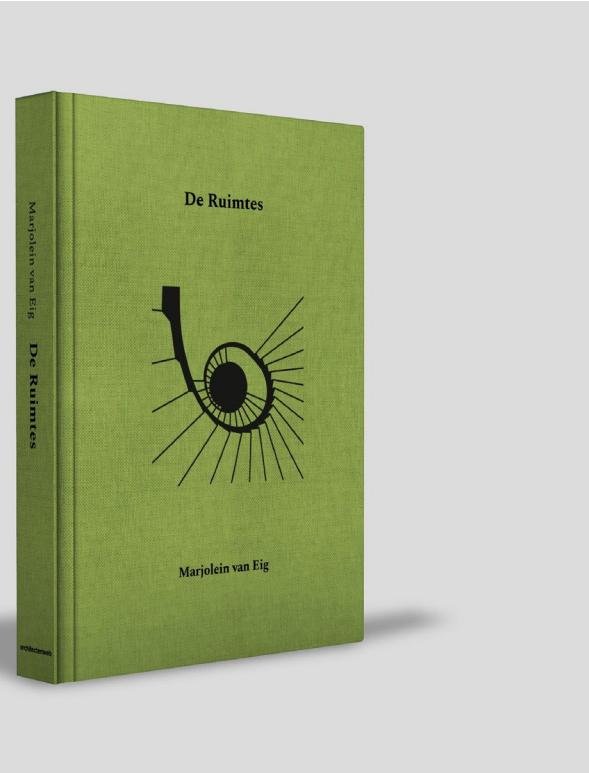
D66: Jonge architecten Rotterdam verdienen kans

Door bijzondere eisen te stellen worden Rotterdamse bureaus uitgesloten van de selectie voor het Stadskantoor.

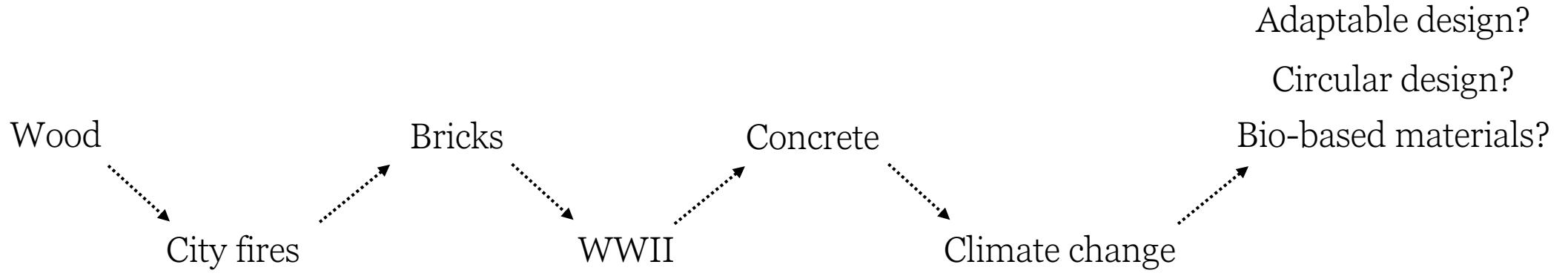
Redactie ArchitectuurNL, 2009

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Critism on Dutch architecture



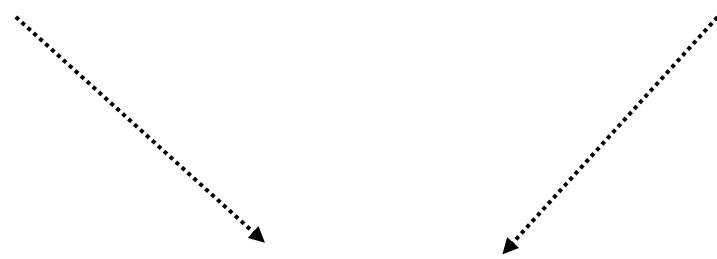
PROBLEM STATEMENT



DESIGN PROPOSAL

Lost talent of younger
architectural practices

Need for more experimental
architecture



A space for younger architectural practices to
experiment and exhibit through a biennial

RESEARCH QUESTION

What are the conditions and strategies to create a space for revitalizing architecture in the Netherlands, while providing opportunities for younger architectural practices?

BIENNIAL

1. VENICE BIENNALE ARCHITETTURA

Venice, Italy



2. BIENAL DE SÃO PAULO (IBIRAPUERA PARQUE)

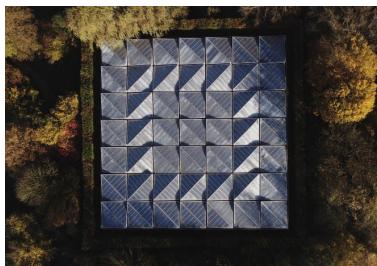
São Paulo, Brazil



MUSEUM PARK

3. INSEL HOMBROICH

Neuss, Germany



4. PARC DE LA VILLETTÉ

Paris, France



CREATIVE DISTRICT

5. HEMBRUG

Zaandam, The Netherlands



6. KEILEKWARTIER

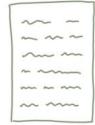
Rotterdam, The Netherlands



① GOALS

Objectives, mission,
target groups

TEXT



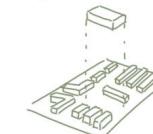
② CONTEXT

Location, scale, connection with
the city, historical significance

2D MAPS



3D MAPS



③ DESIGN APPROACH

Architectural style, spatial organisation,
movement, atmosphere

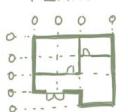
/

Architectural
diagrams

+

Experience

PLANS



AXO'S



SECTIONS



PHOTO COLLAGE

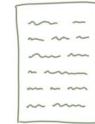


PHOTOS

④ IMPACT

Social, cultural, economical,
environmental

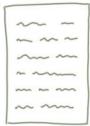
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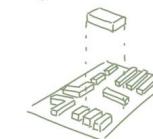
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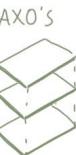
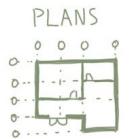


③ DESIGN APPROACH

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+

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⑤ CONCLUSION

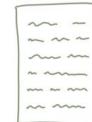
SOFT
ATLAS

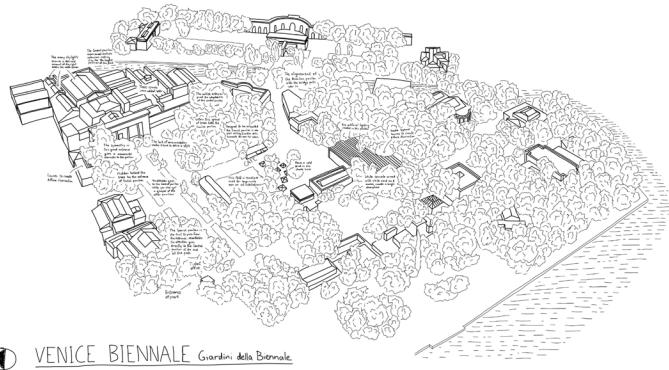


④ IMPACT

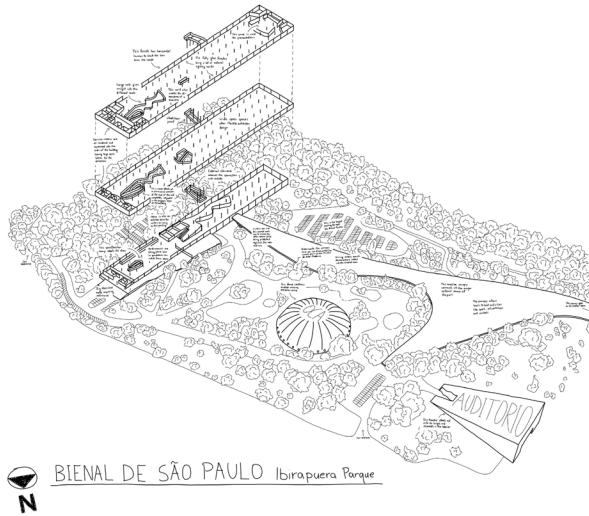
Social, cultural, economical,
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TEXT

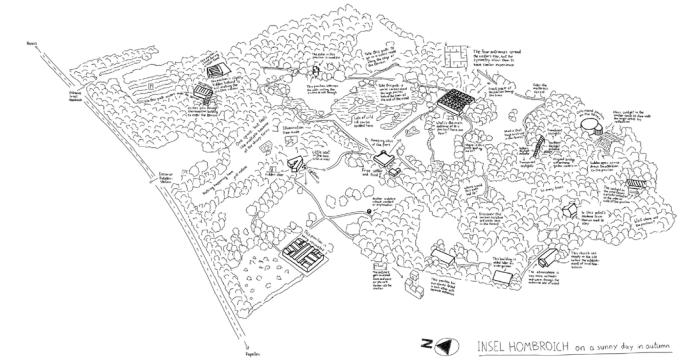




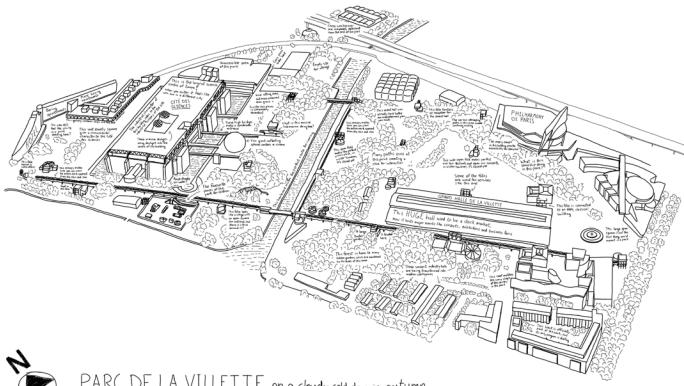
VENICE BIENNALE Giardini della Biennale



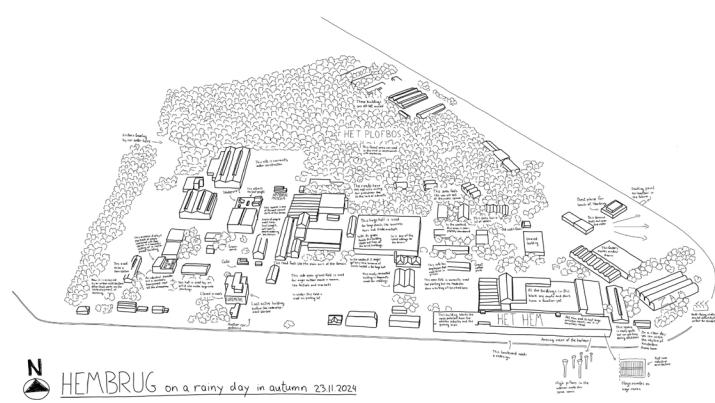
BIENAL DE SÃO PAULO Ibirapuera Parque



INSEL HOMBROICH on a sunny day in autumn



PARC DE LA VILLETTE on a cloudy, cold day in autumn



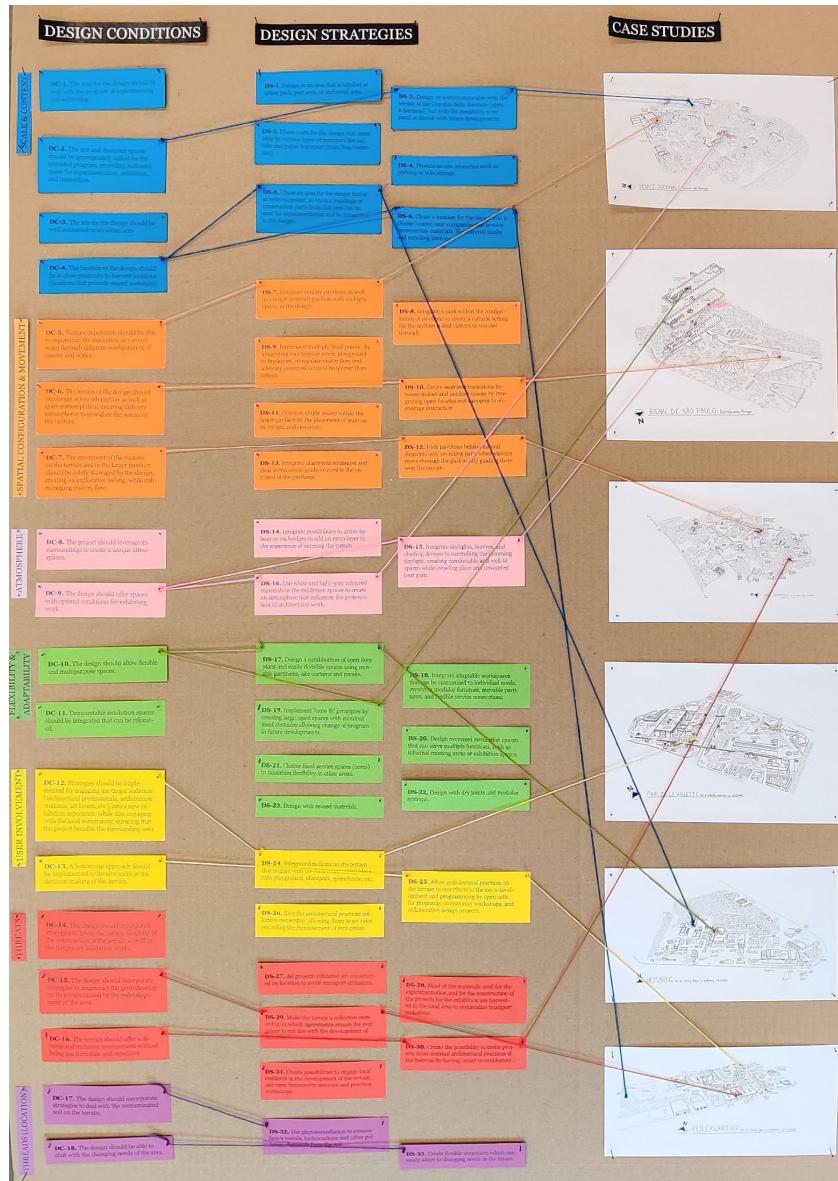
HEMBRUG on a rainy day in autumn 23.11.2024



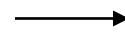
KEILEKWARTIER on a rainy day in autumn - 27.11.2024

CONCLUDING PRODUCTS

1. List of design conditions → what was working (or not) in the case studies
2. List of design strategies → why it was working (or not) in the case studies
3. Soft atlas → visual overview of design strategies and personal experiences of the case studies



DC-5. Visitors should be able to experience the exhibition in various ways through different configuration of spaces and scales.



DS-7. Integrate smaller pavilions as well as a larger (central) pavilion with multiple spaces in the design.

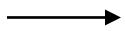


Central Pavilion, Venice Biennale



Map, Venice Biennale

DC-6. The terrain of the design should encourage active interaction as well as quiet contemplation, creating different atmospheres to stimulate the senses of the visitors.



DS-8. Integrate a park within the configuration of pavilions to create a natural setting for the architects and visitors to wander through.



Giardini della Biennale, Venice Biennale



Cafe, Insel Hombroich

DC-10. The design should allow flexible and multipurpose spaces.



Biennal Pavilion, São Paulo

→ **DS-18.** Integrate adaptable workspaces that can be customized to individual needs, involving modular furniture, movable partitions, and flexible service connections.

→ **DS-20.** Design oversized circulation spaces that can serve multiple functions, such as informal meeting areas or exhibition spaces.



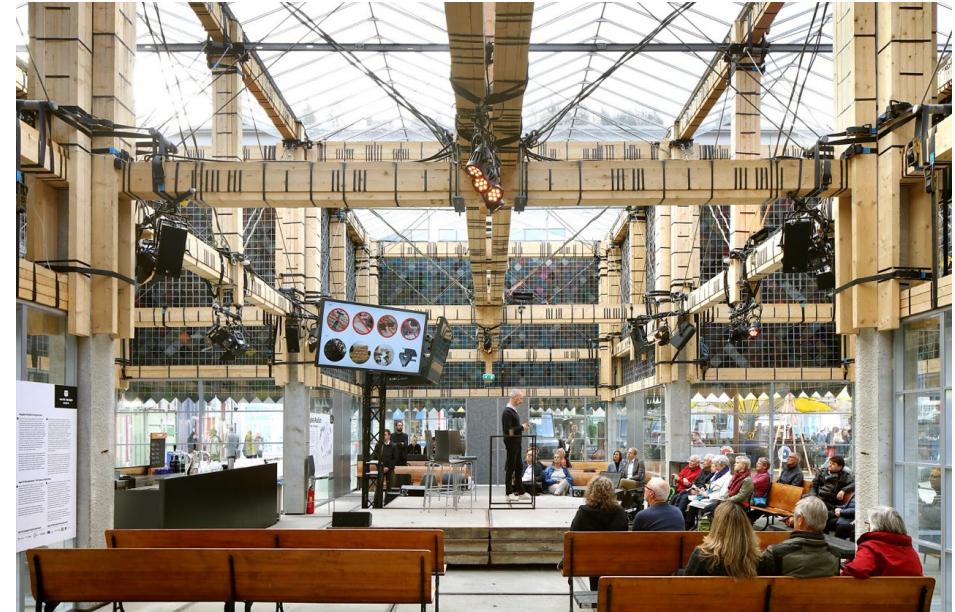
Work studios at Keilewerf, Keilekwartier

DC-11. Demountable exhibition spaces should be integrated that can be relocated.



Finnish Pavilion, Venice Biennale

- **DS-22.** Design with dry joints and modular systems.
→ **DS-23.** Design with reused materials.



People's Pavilion at DDW, Eindhoven

DC-12. Strategies should be implemented for engaging the target audience (architectural professionals, architecture students, art lovers, etc.) into a new exhibition experience, while also engaging with the local community, ensuring that the project benefits the surrounding area.



DS-24. Integrate functions on the terrain that engage with the local community, like a cafe, playground, skatepark, greenhouse, etc.

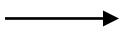


Playground, Parc de la Villette



Basketball field, Parc de la Villette

DC-2. The site and designed spaces should be appropriately scaled for the intended program, providing sufficient space for experimentation, exhibition, and interaction.



DS-2. Design on a site that has the possibility to expand or shrink with future developments.



Ibirapuera park, São Paulo



Giardini della Biennale, Venice Biennale

DC-4. The location of the design should be in proximity to harvest locations.



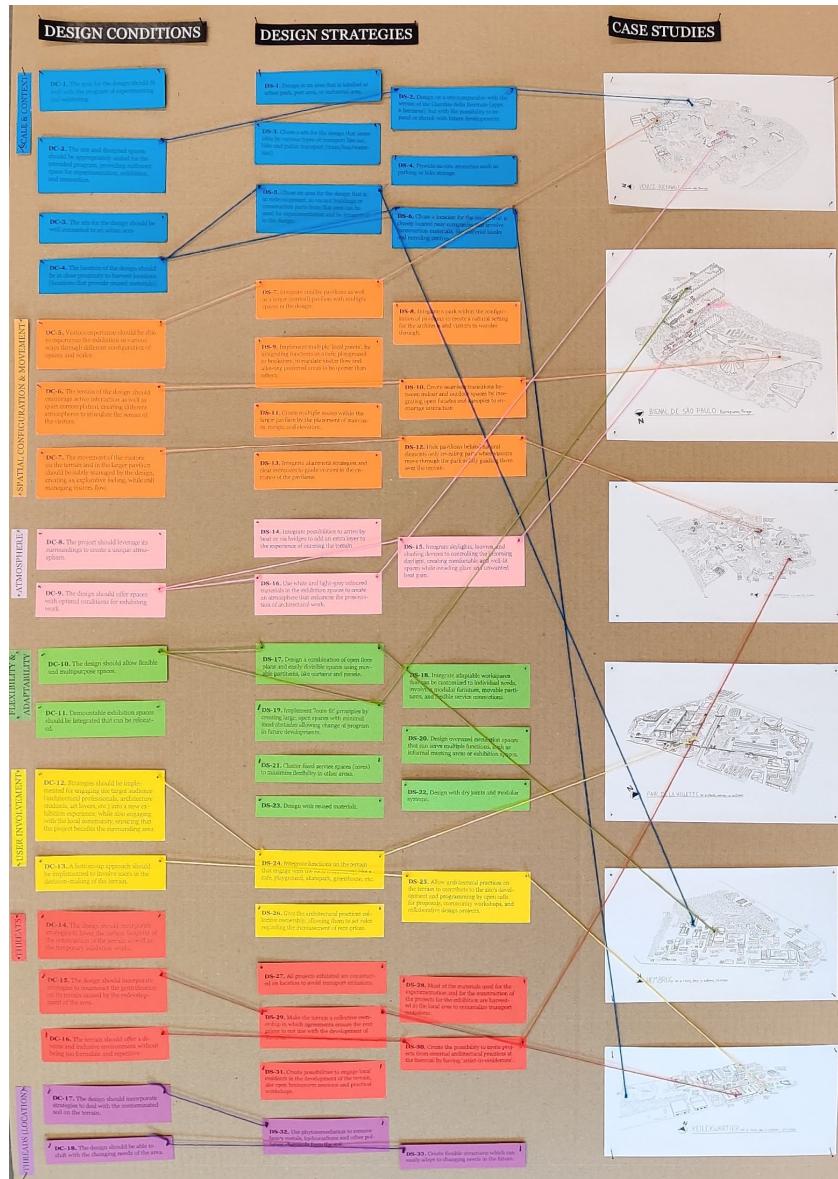
DS-5. Choose an area for the design that is in redevelopment, so vacant buildings or construction parts from this area can be used for experimentation and be integrated in the design.



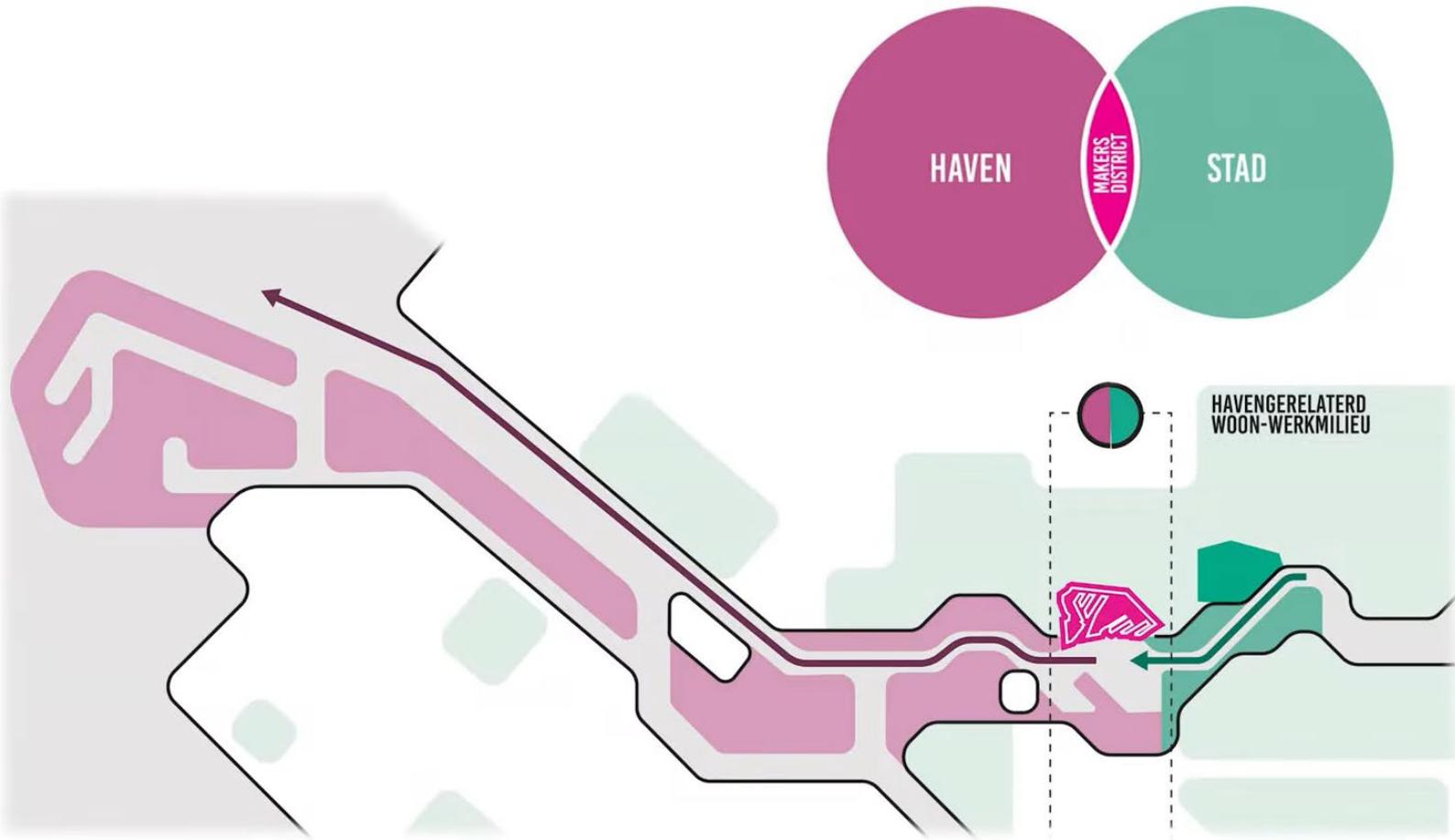
Vacant building, Hembrug



Industrial area around Keilepand, Keilekwartier

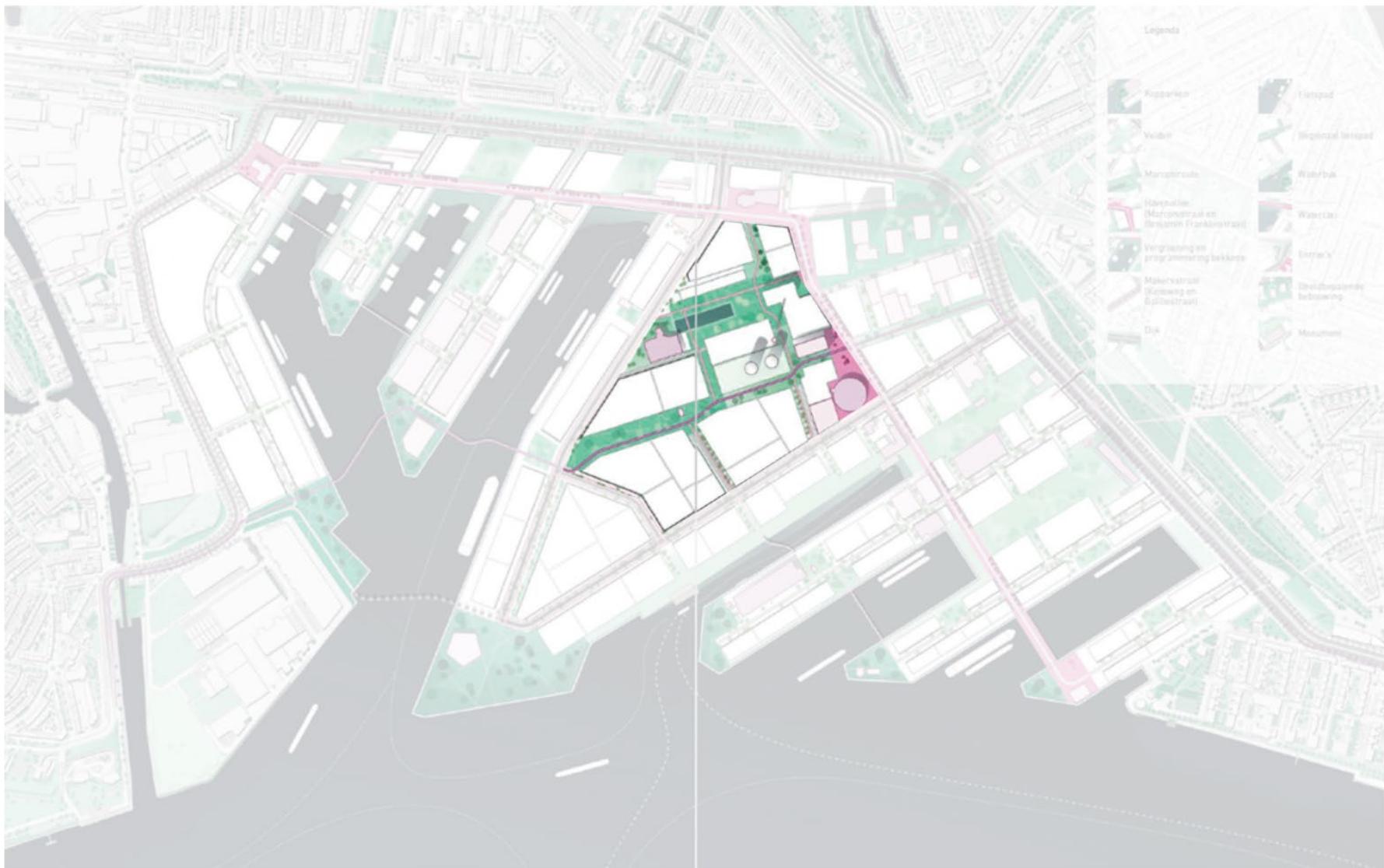


LOCATION: ROTTERDAM



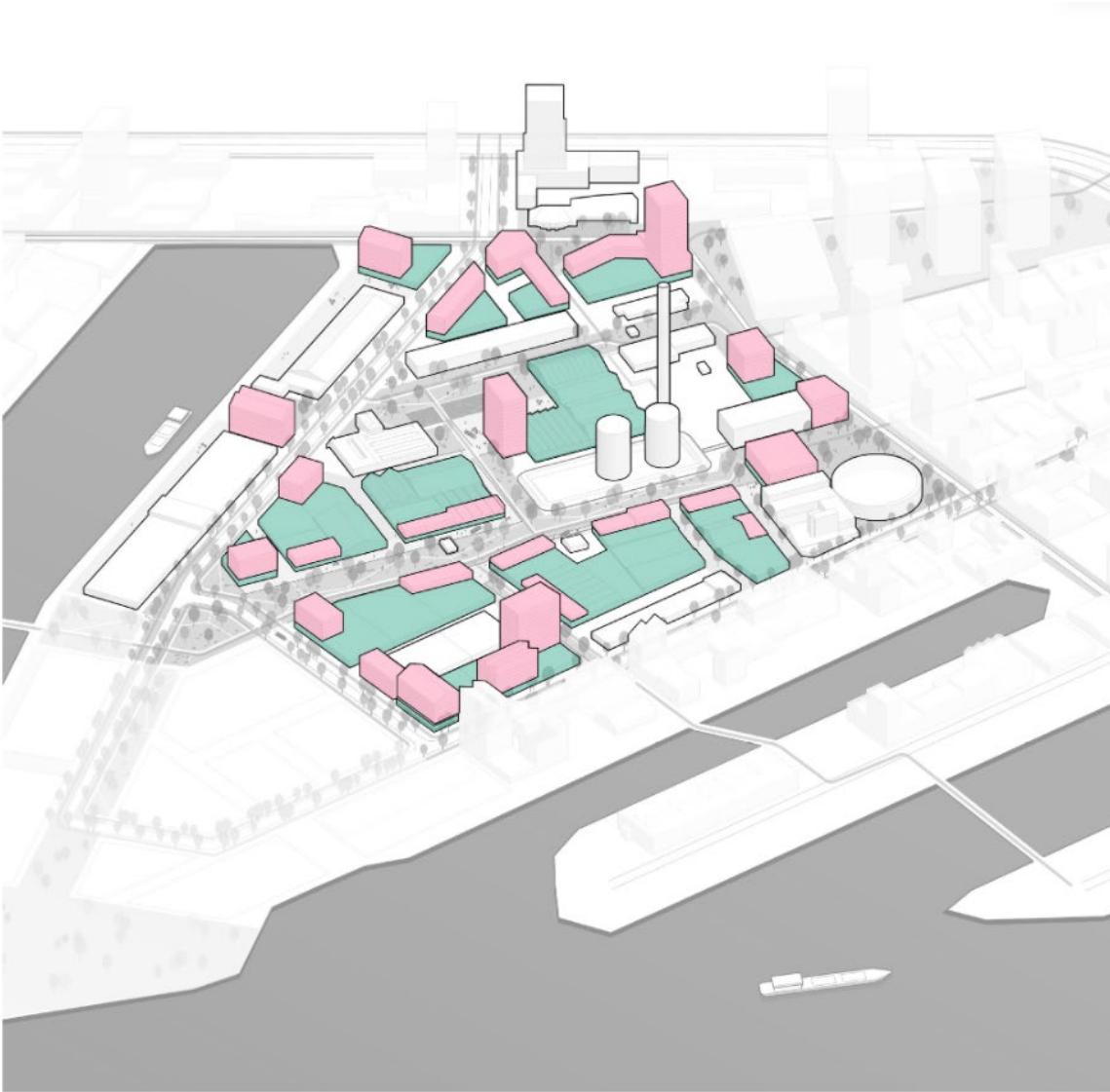
Ruimtelijk Raamwerk M4H, DELVA Landscape Architecture | Urbanism

MASTERPLAN M4H DISTRICT





GALILEIPARK



Kantoren / stedelijk onderwijs / kennis / lab



Maken / productie

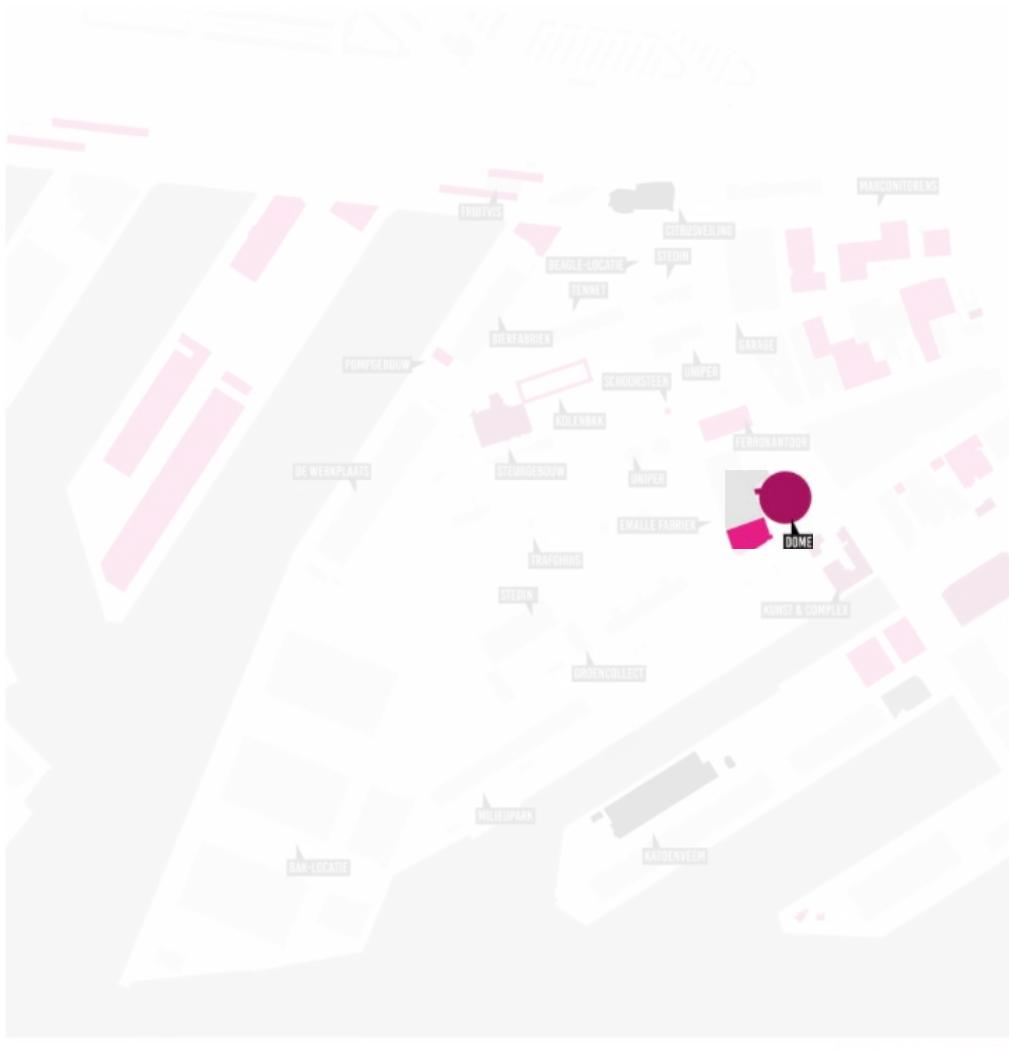
MONUMENTS



- Rijksmonument
- Gemeentelijk monument
- Toekomstig gemeentelijk monument
- Beeldbepalend object

Monumenten en beeldbepalende bebouwing
volgens de Cultuurhistorische verkenning Merwe-
Vierhavens (2017, Evelien van Es)

MONUMENTS



Rijksmonument



Gemeentelijk monument



Toekomstig gemeentelijk monument

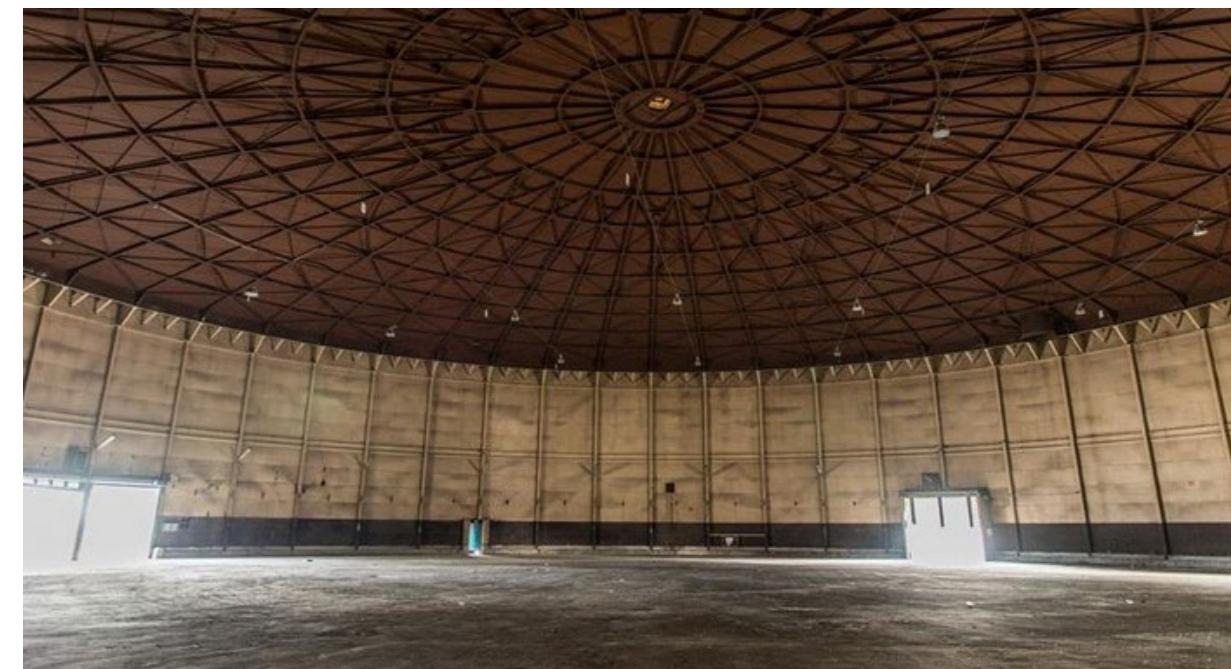
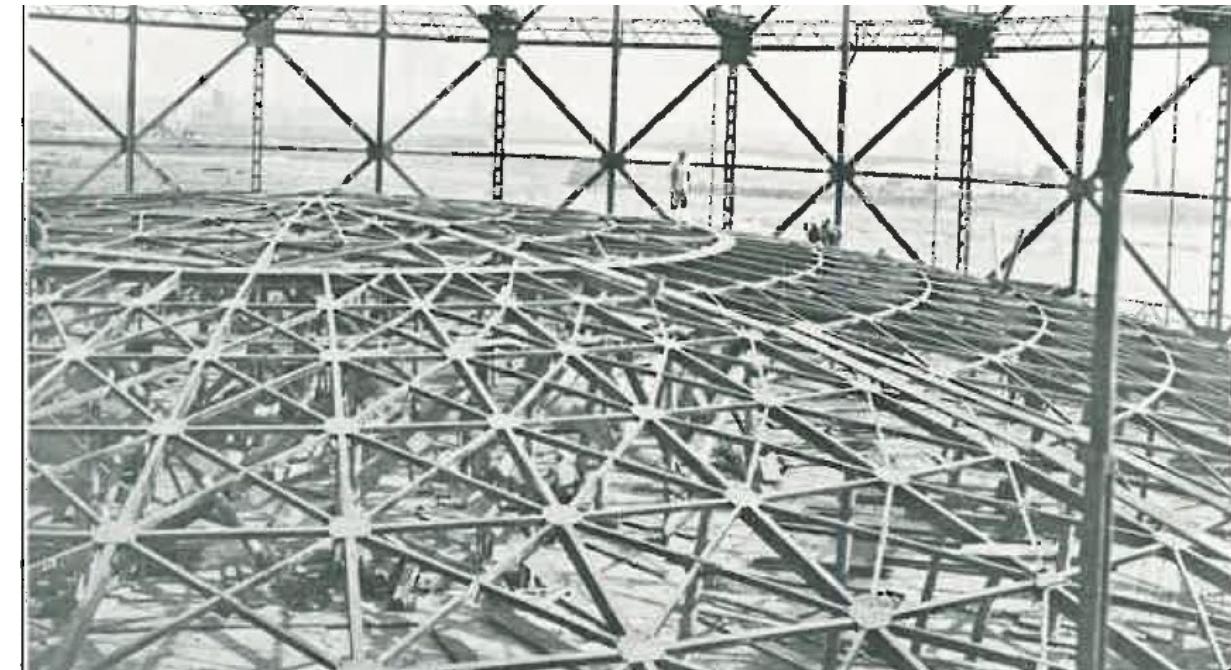


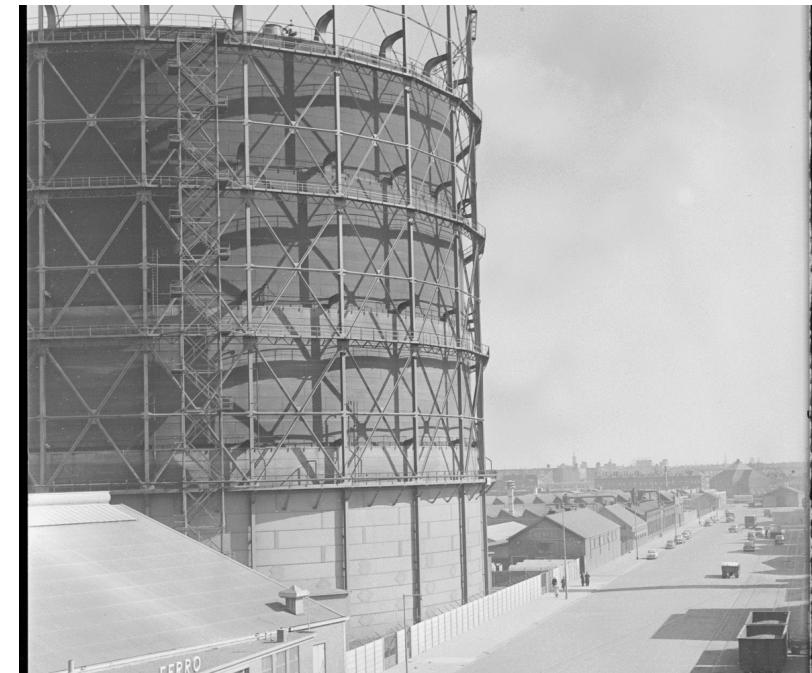
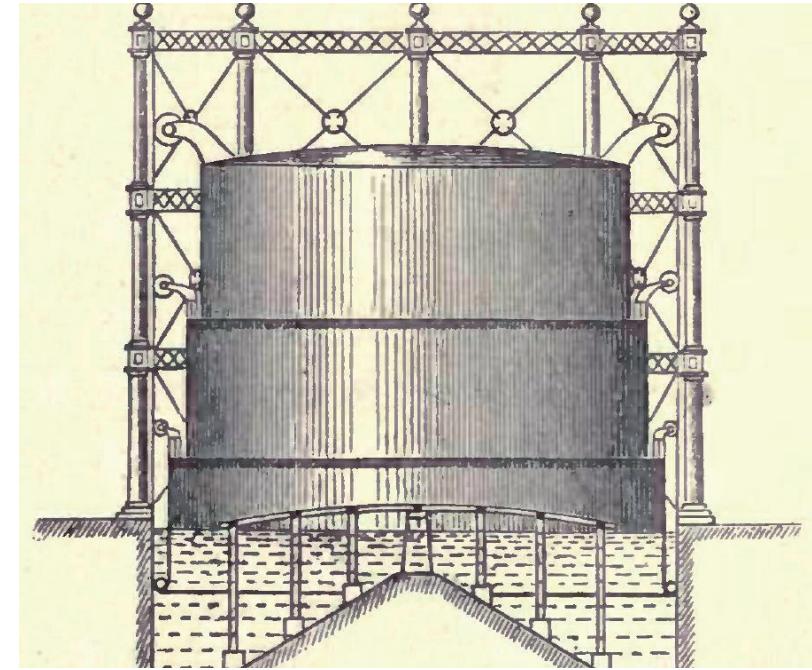
Beeldbepalend object

Monumenten en beeldbepalende bebouwing
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DESIGN PROPOSAL

Lost talent of younger
architectural practices

Need for more experimental
architecture

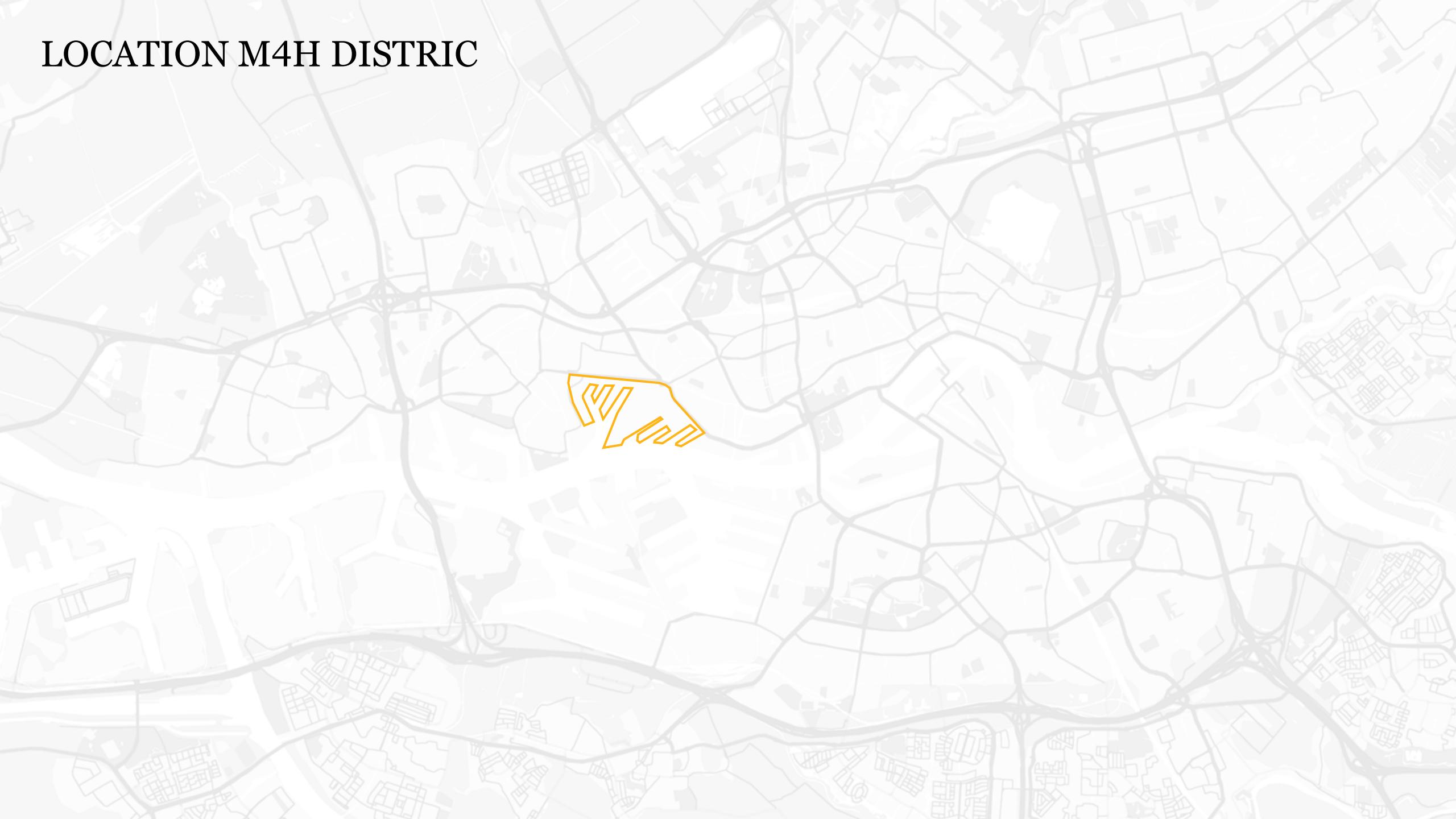


A space for younger architectural practices to
experiment and exhibit through a biennial

LOCATION M4H DISTRIC



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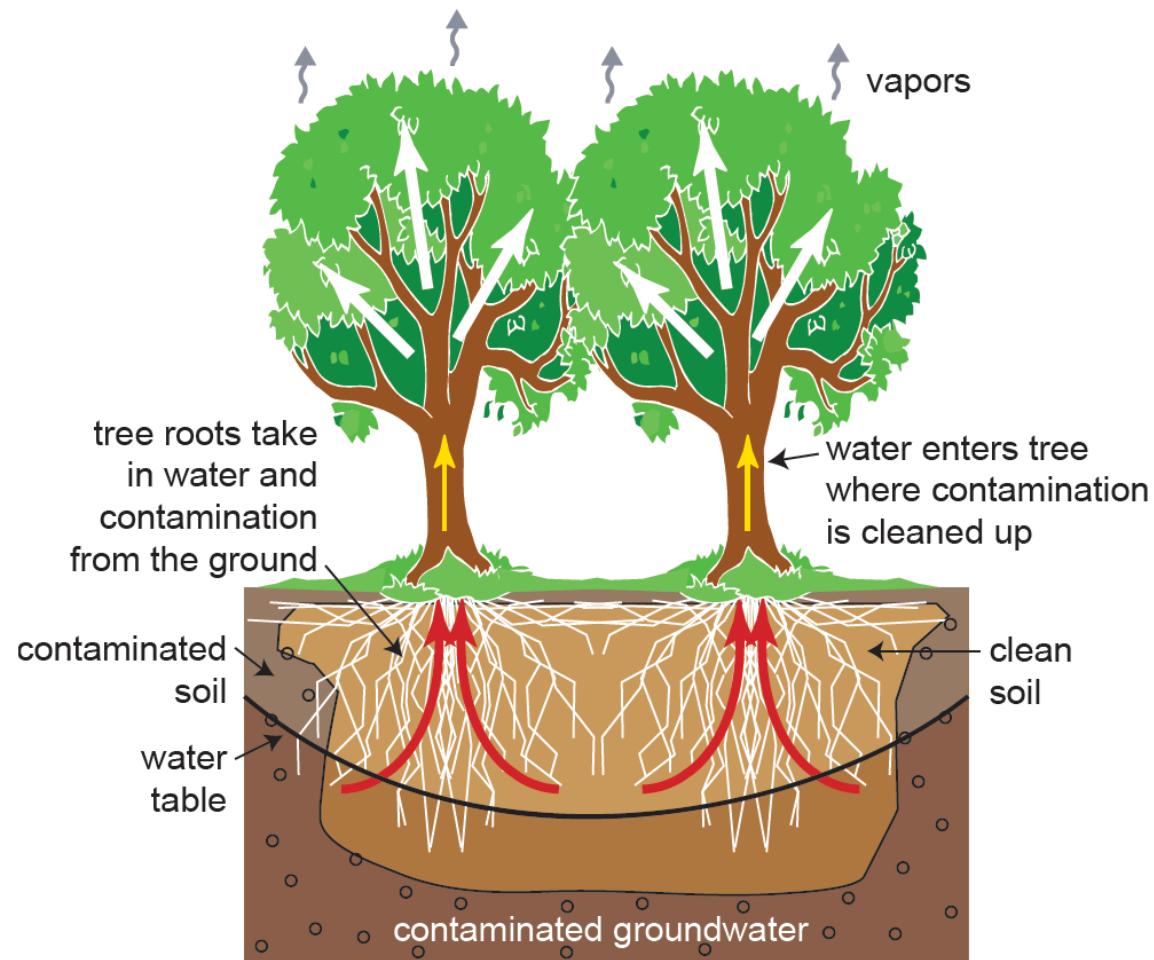
LOCATION GALILEIPARK



SOIL REMEDIATION



PHYTOREMEDIATION



SUITABLE PLANTS FOR PHYTOREMEDIATION IN M4H

Plant	Photo	Description	Heavy Metal Accumulator	Hydrocarbon Degrader	Salt-Tolerant	Seize
Willow (<i>Salix species</i>)		These are excellent for heavy metal uptake, grow quickly, and are well-adapted to wet conditions. They are also relatively easy to propagate.	Yes	No	No	L
Poplars (<i>Populus spp.</i>)		Similar to willows, poplars are fast-growing and effective at accumulating heavy metals.	Yes	No	No	L
Sunflowers (<i>Helianthus annuus</i>)		While annuals, they are very effective at absorbing heavy metals and can be used in rotation with other plants. They are also very effective at removing radioactive cesium and strontium.	Yes	No	No	M
Indian mustard (<i>Brassica juncea</i>)		This is a well-known hyperaccumulator of heavy metals like lead, cadmium, and zinc.	Yes	No	No	S
Grasses (Poaceae family)		Many grasses, such as ryegrass and fescue, can stimulate microbial degradation of hydrocarbons in the soil.	No	Yes	No	S
Reed canary grass (<i>Phalaris arundinacea</i>)		Tolerant of wet conditions and effective at degrading hydrocarbons.	No	Yes	No	S
Sea lavender (<i>Limonium vulgare</i>)		A native halophyte that can thrive in saline conditions.	No	No	Yes	S
Sea aster (<i>Aster tripolium</i>)		Another native halophyte that is tolerant of salt and can help stabilize soil.	No	No	Yes	S
Saltmarsh grass (<i>Spartina spp.</i>)		While not native, certain Spartina species are highly salt-tolerant and can be used in specific situations.	No	No	Yes	M
Legumes (Fabaceae family)		Plants like clover and alfalfa can fix nitrogen in the soil, improving soil fertility and structure.	No	No	No	S-M







Central
pavilion



Material
pavilion

Central
pavilion

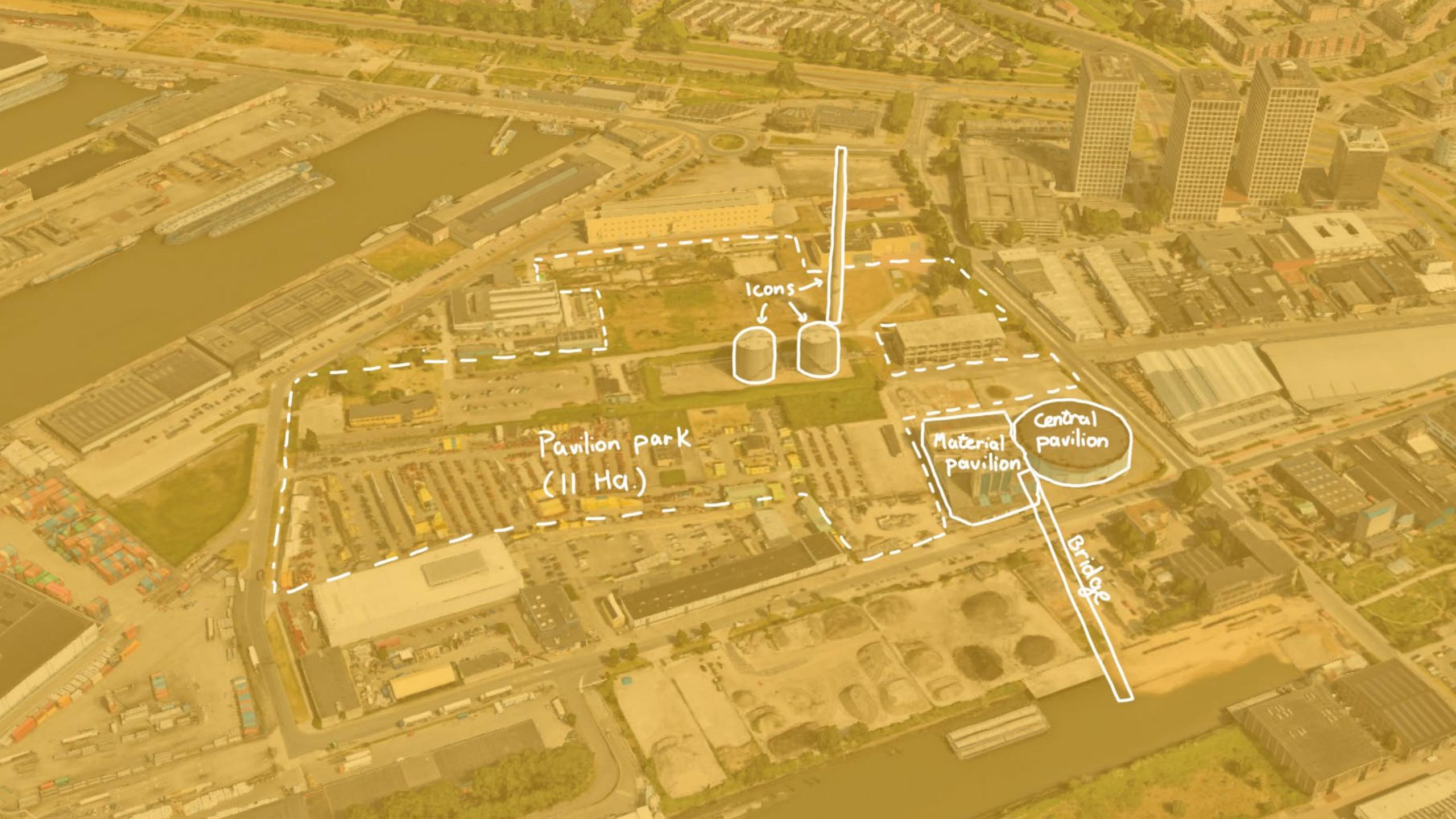


Material
pavilion

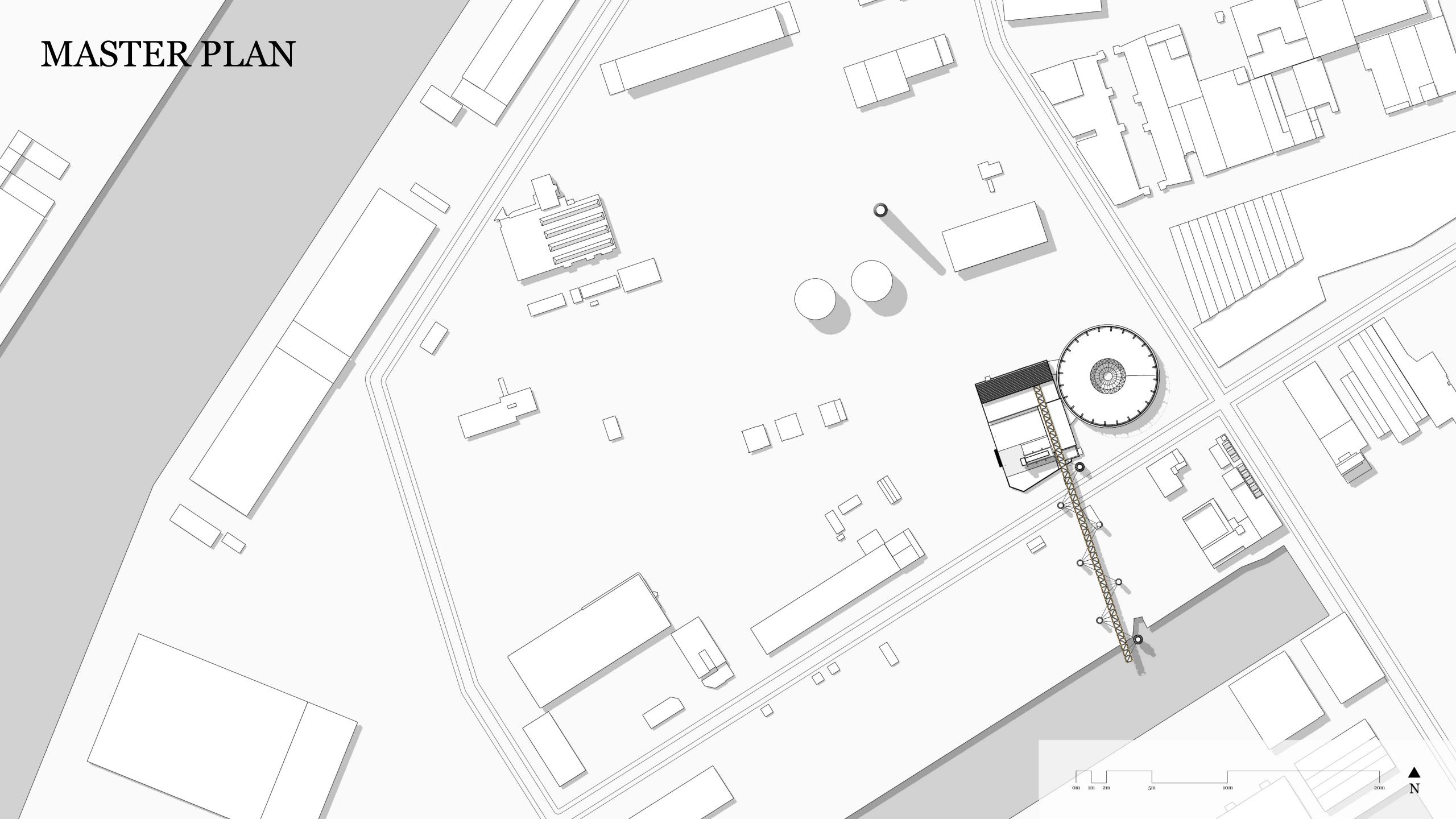
Central
pavilion

Bridge

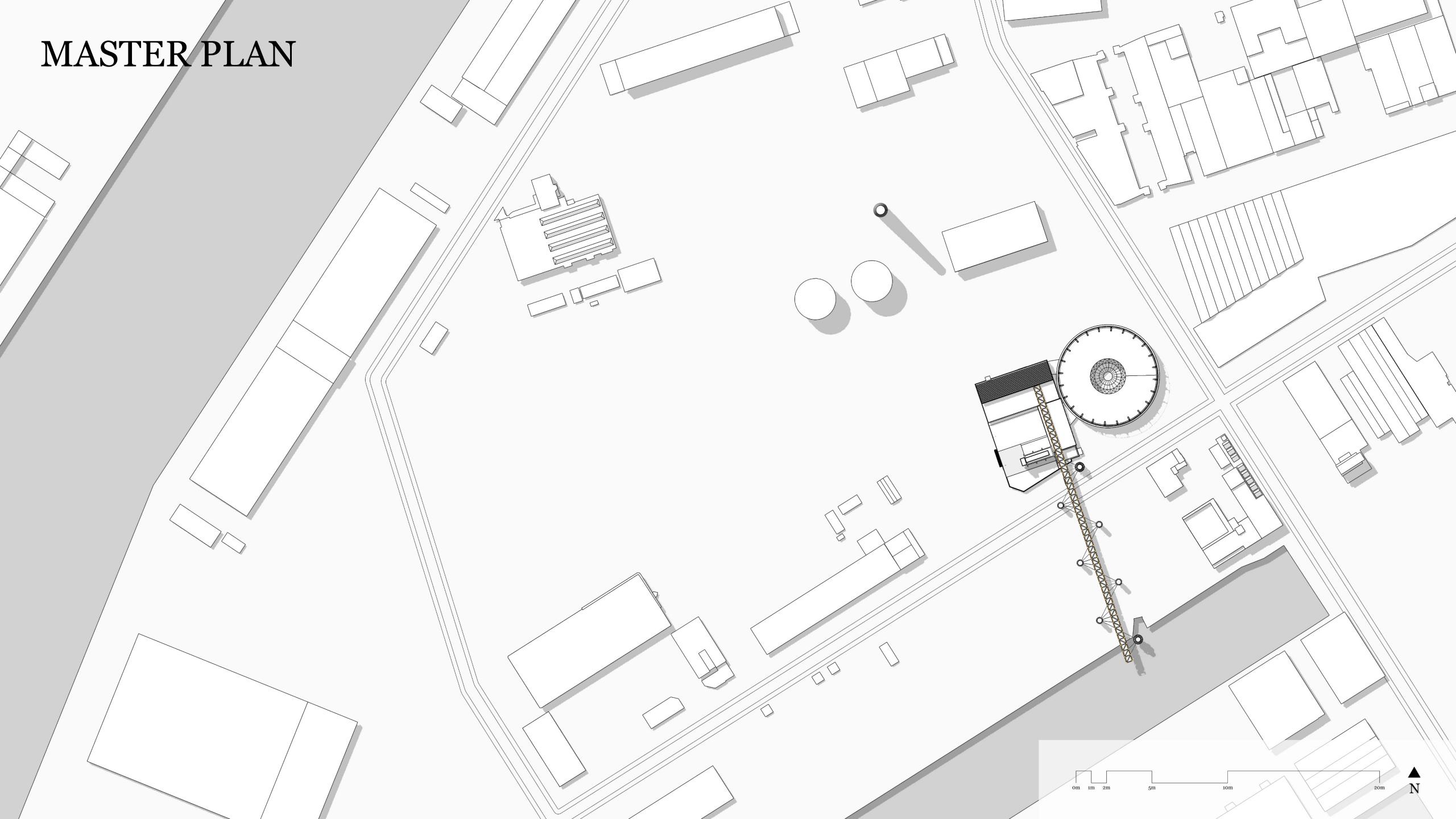




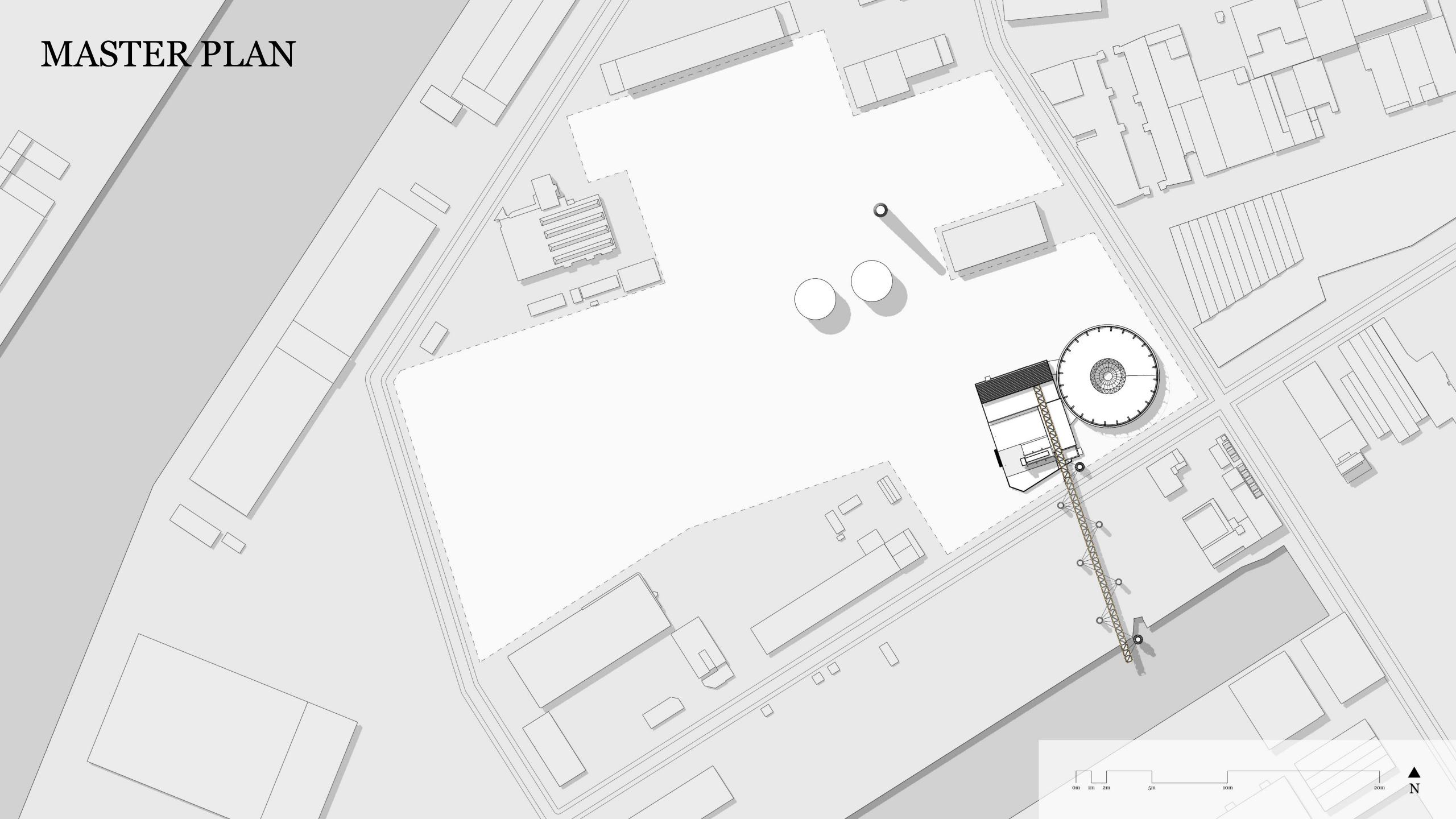
MASTER PLAN



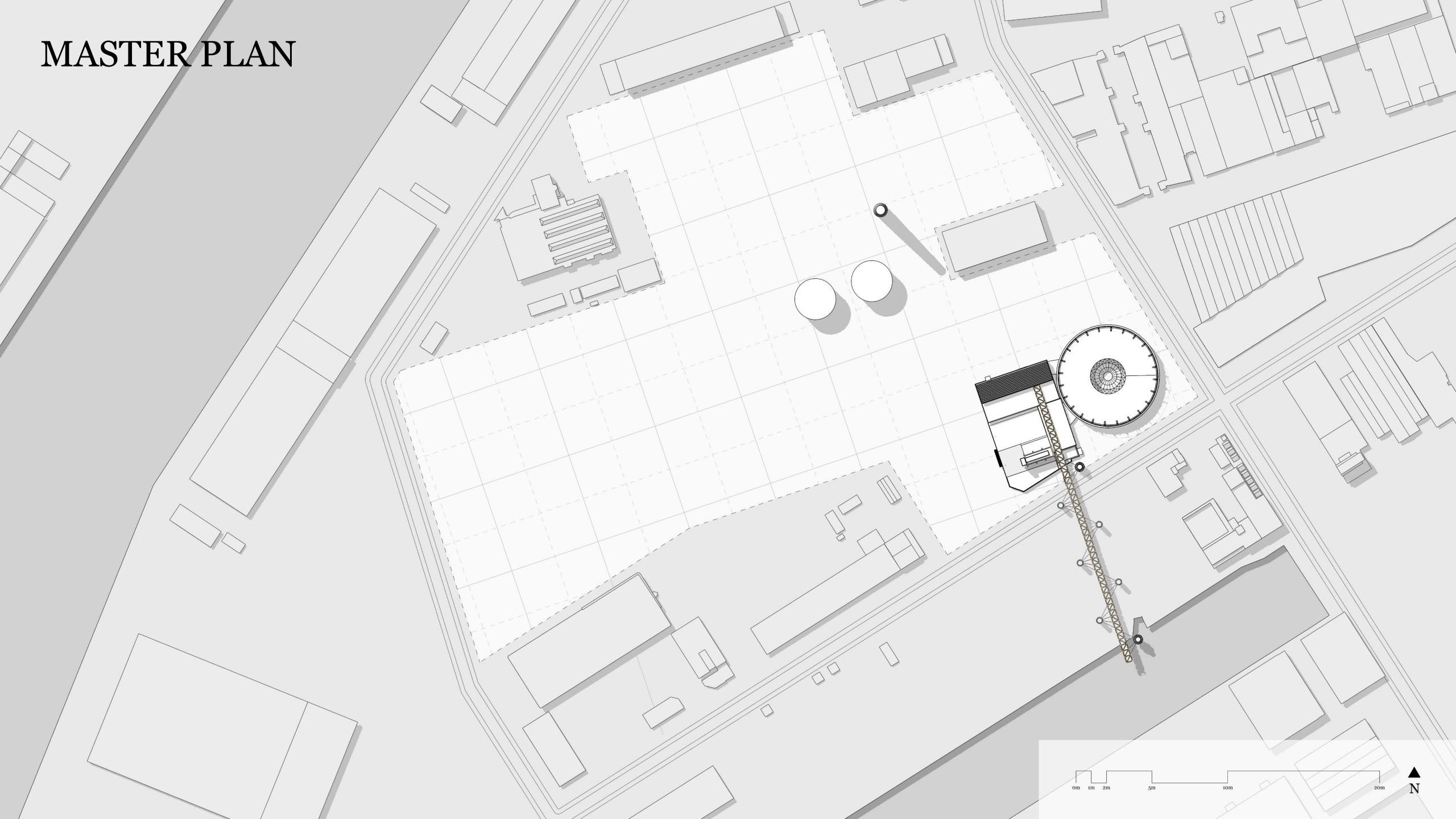
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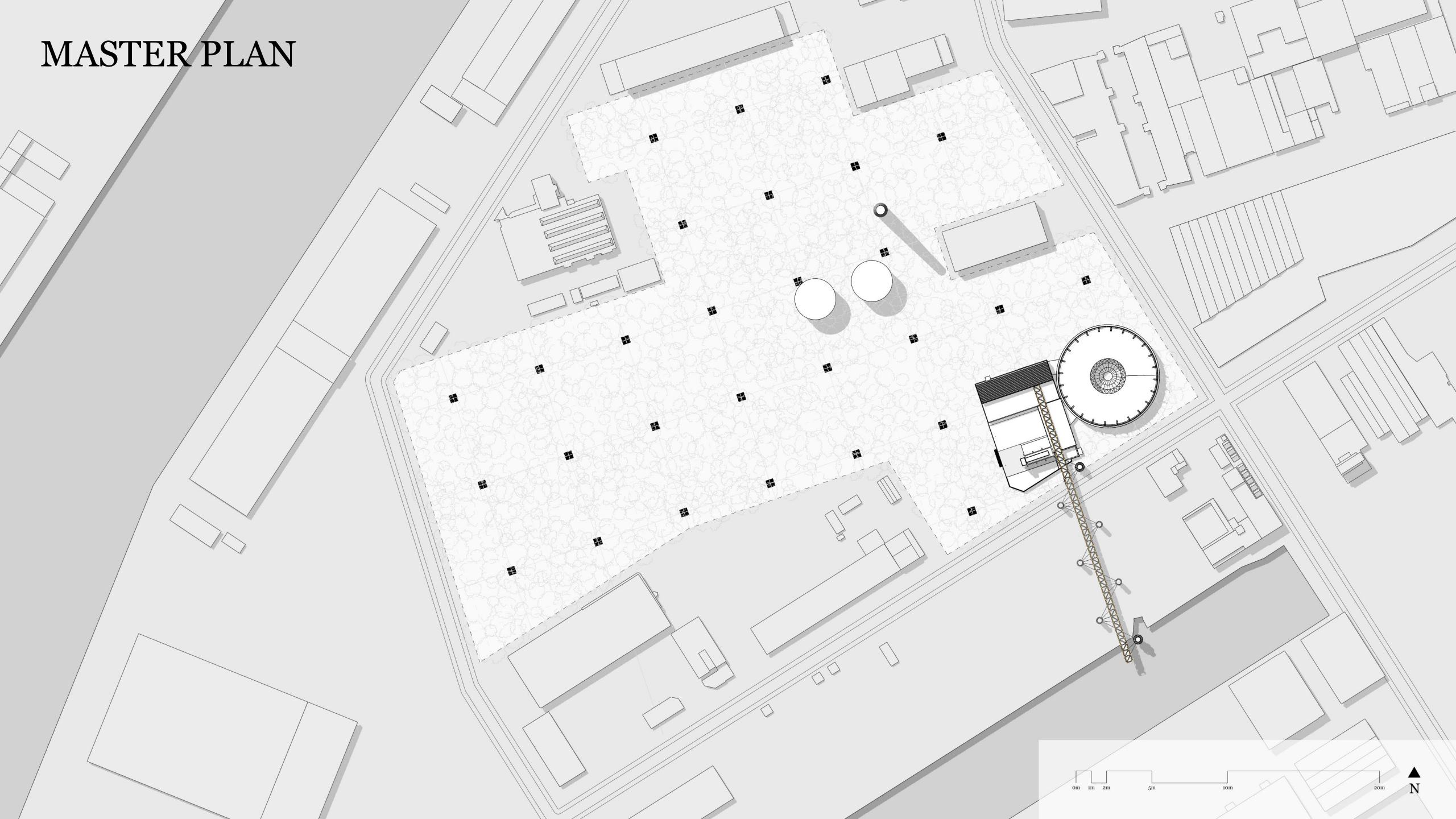
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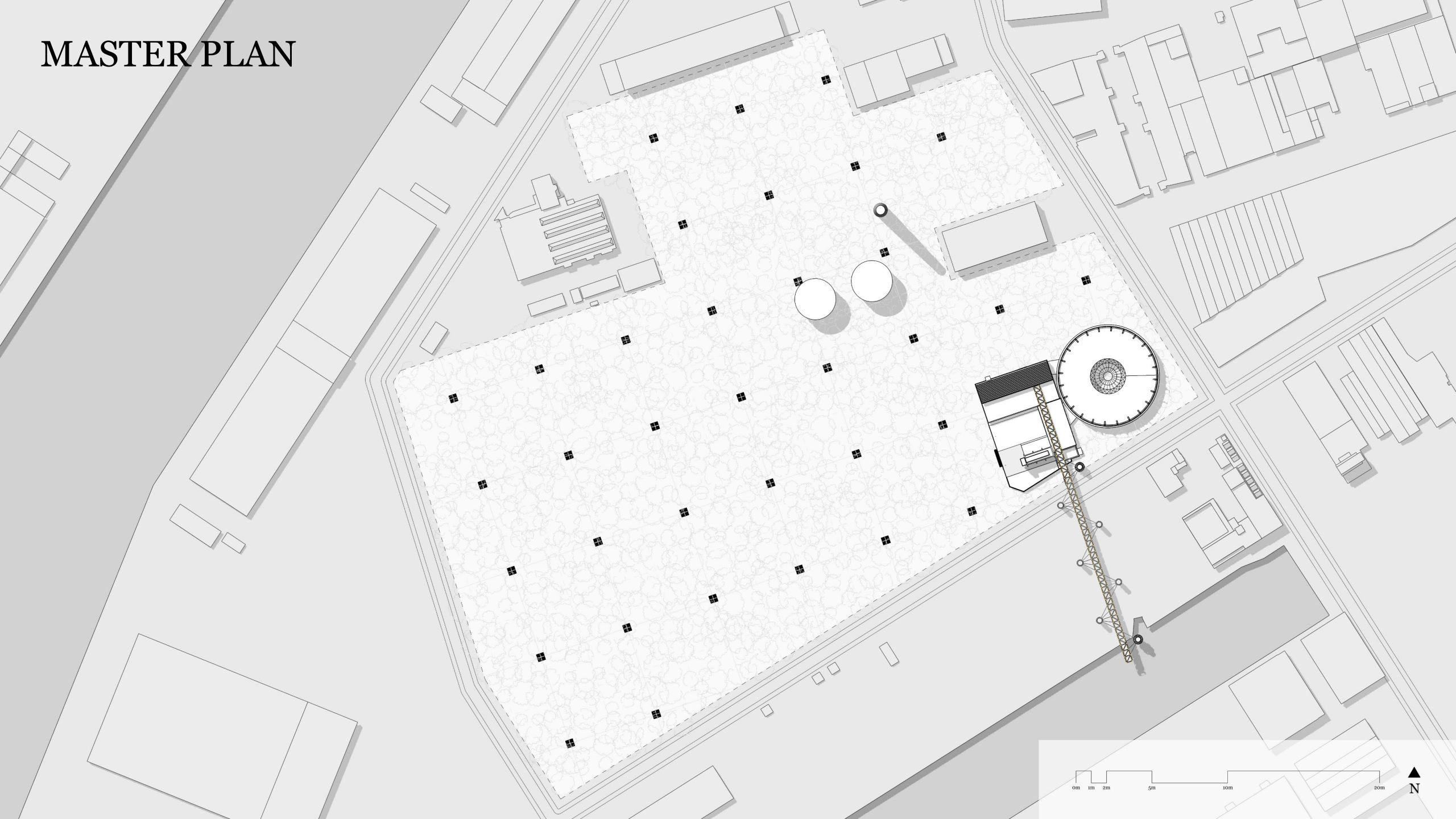
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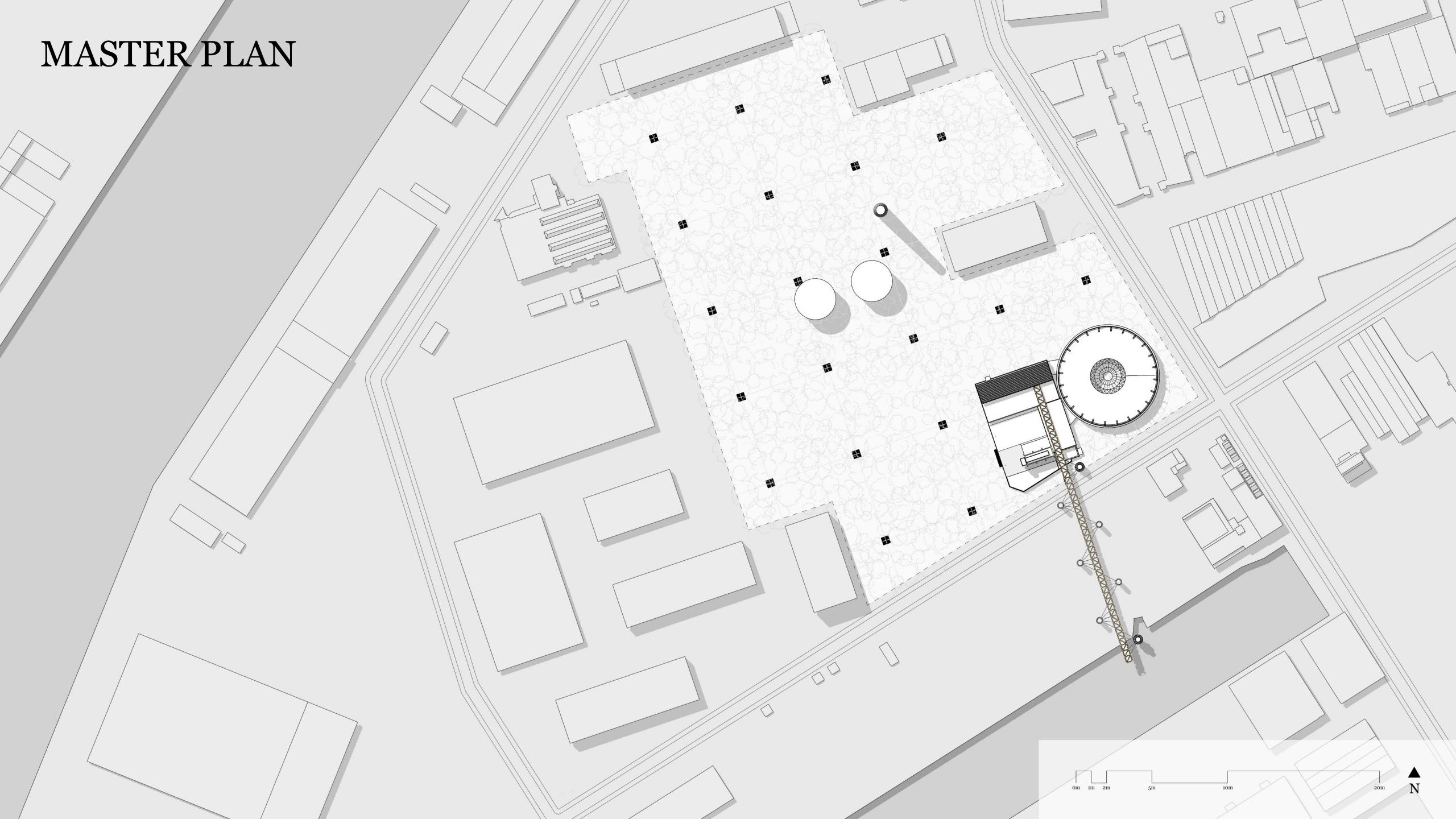
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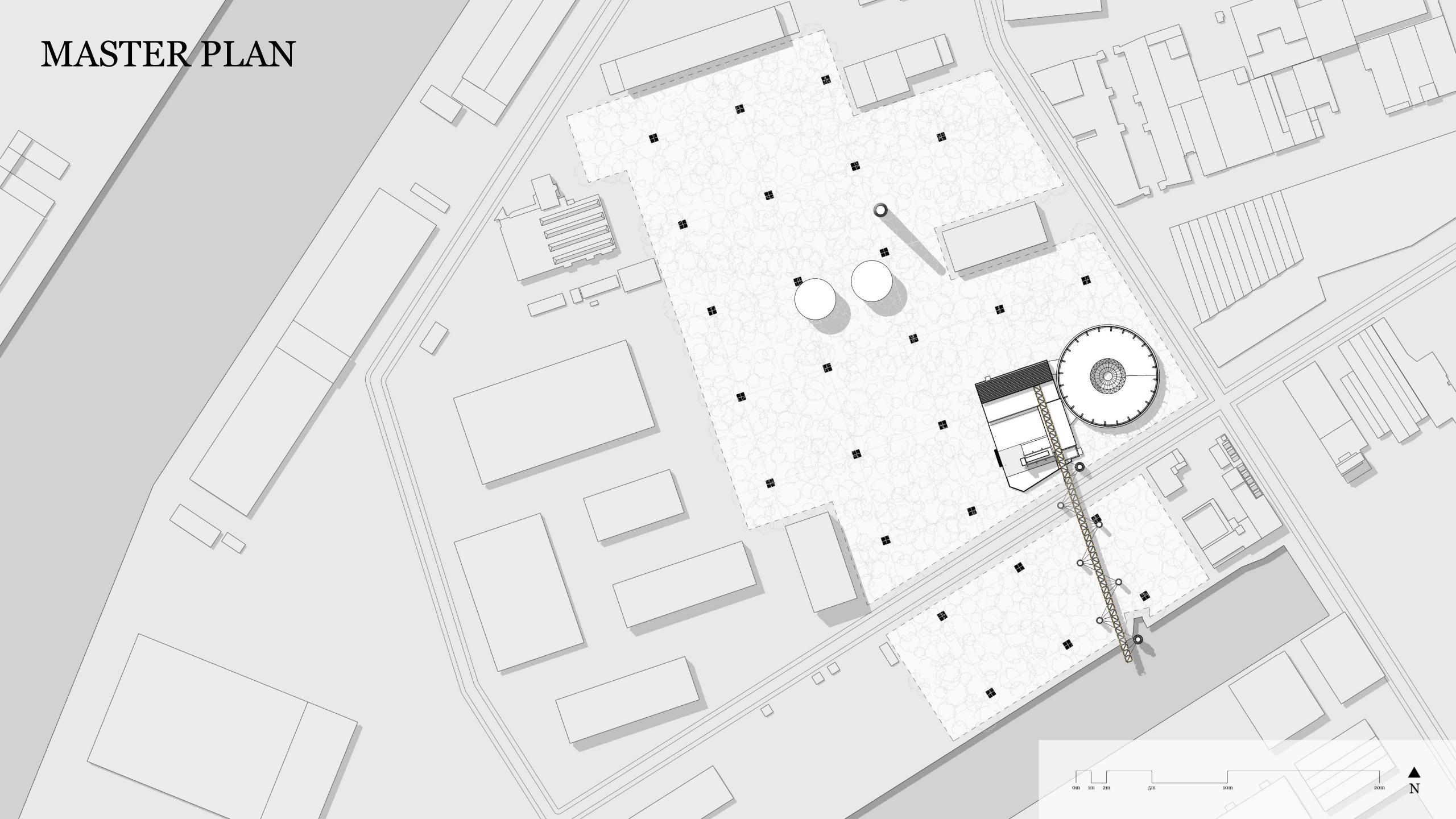
0m 1m 2m 5m 10m 20m

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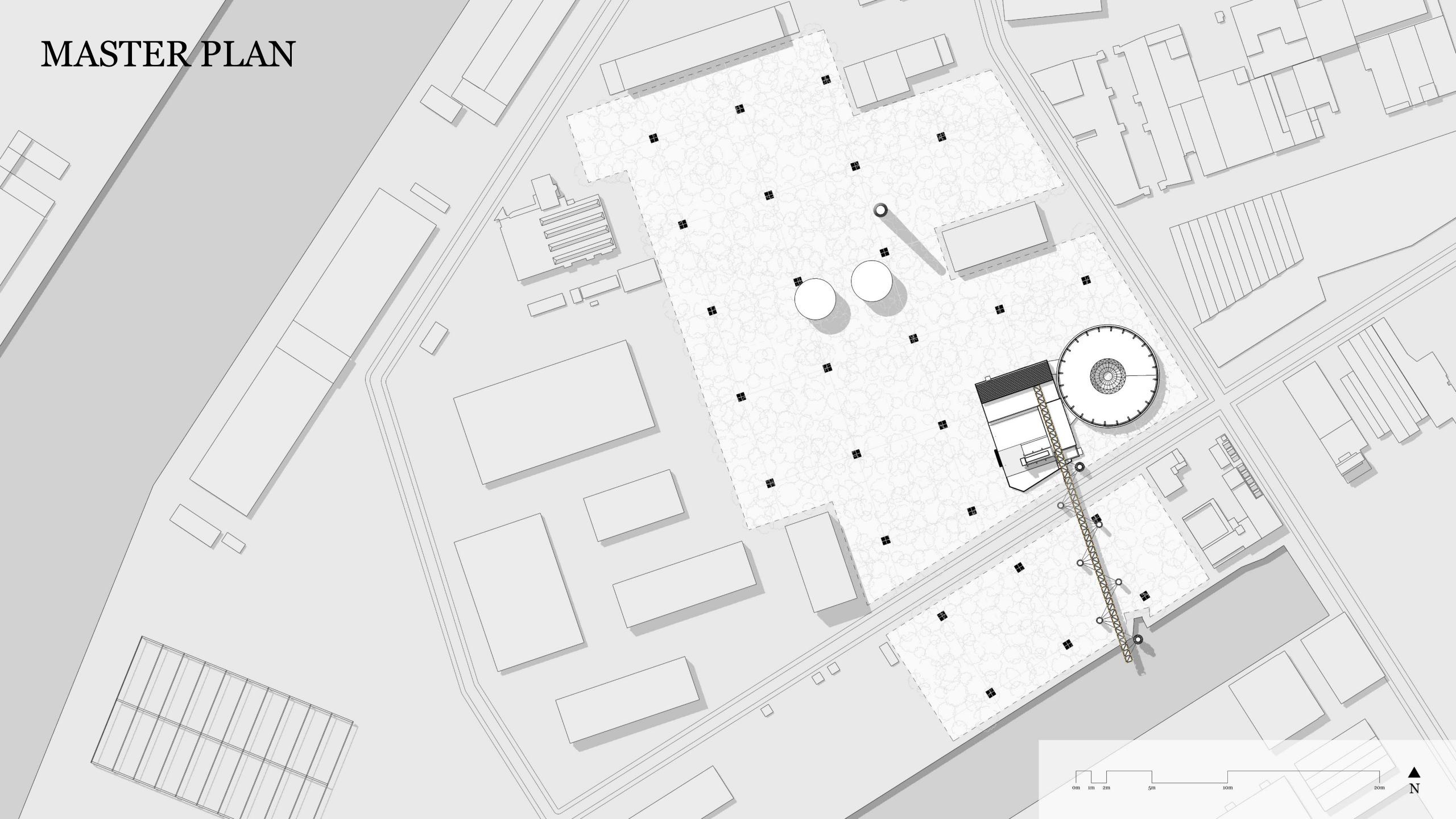
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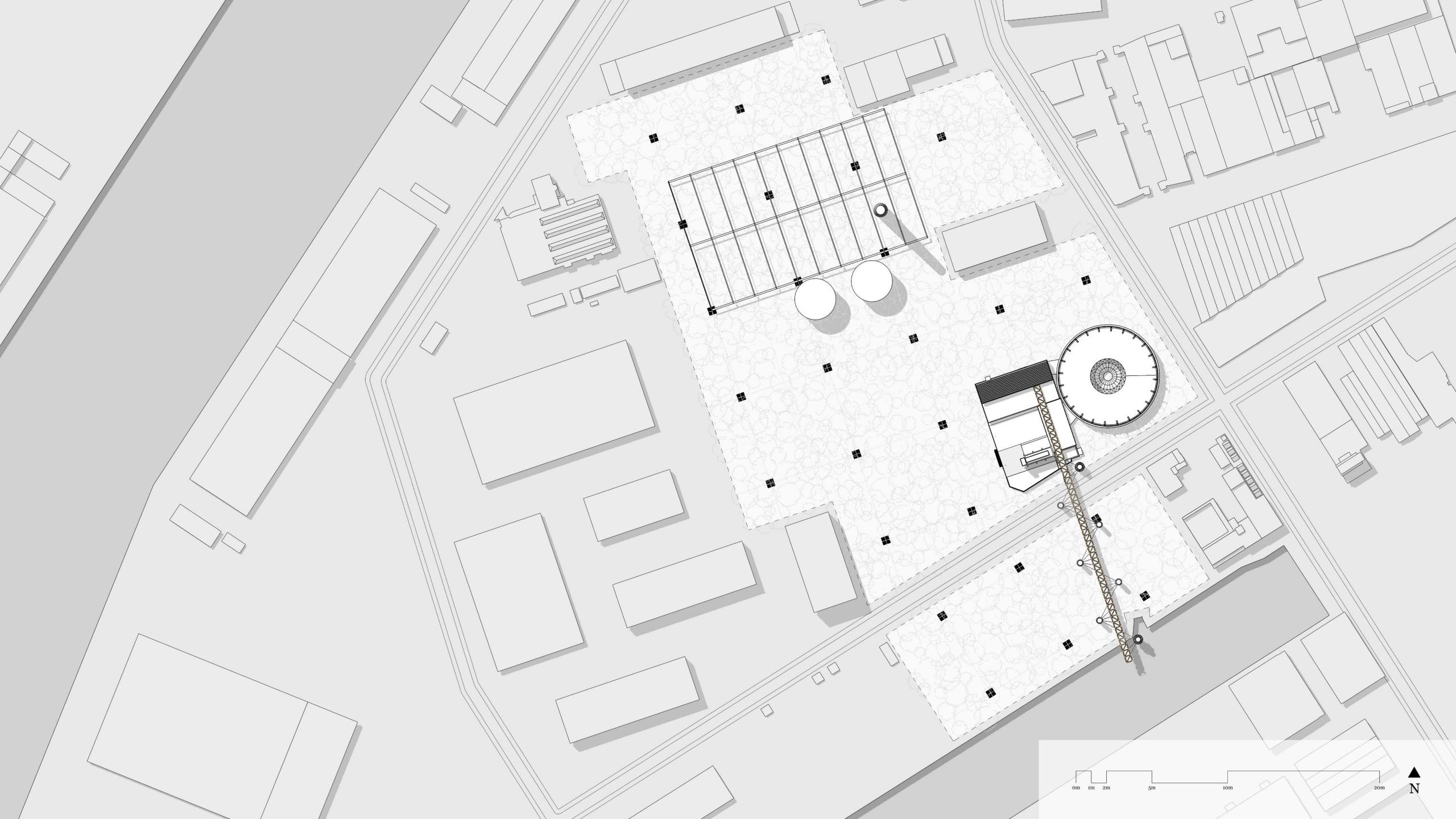


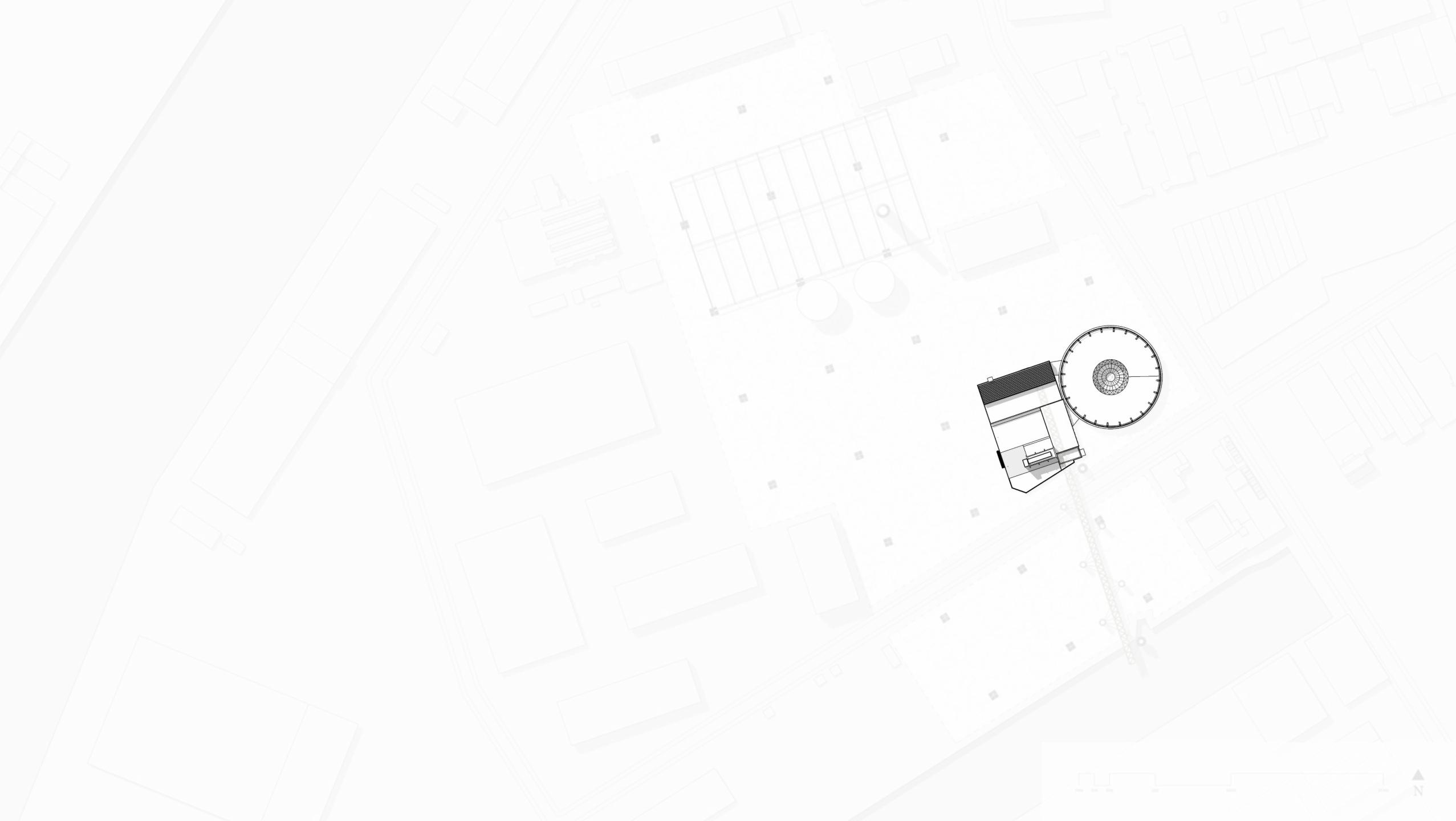
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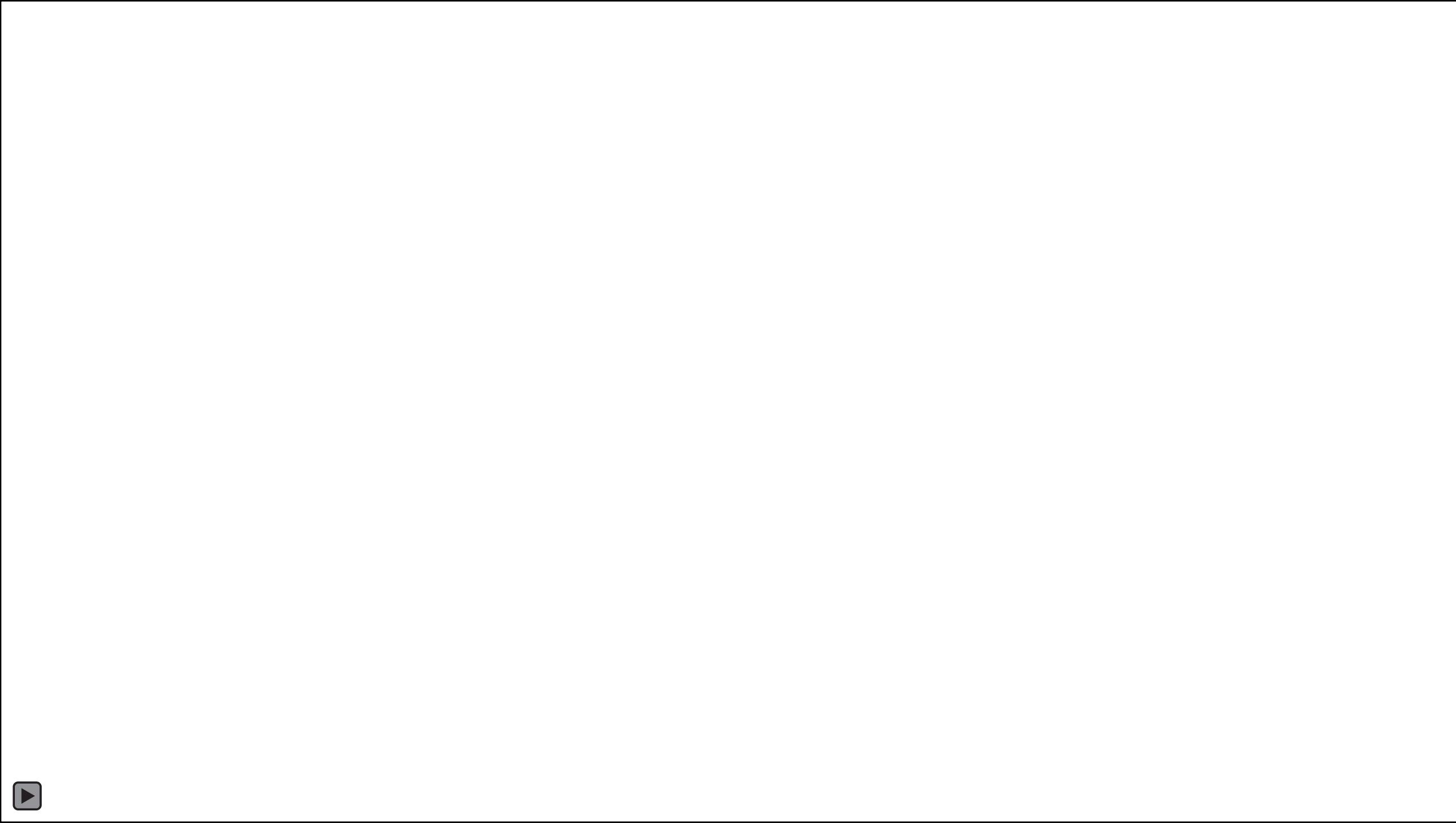


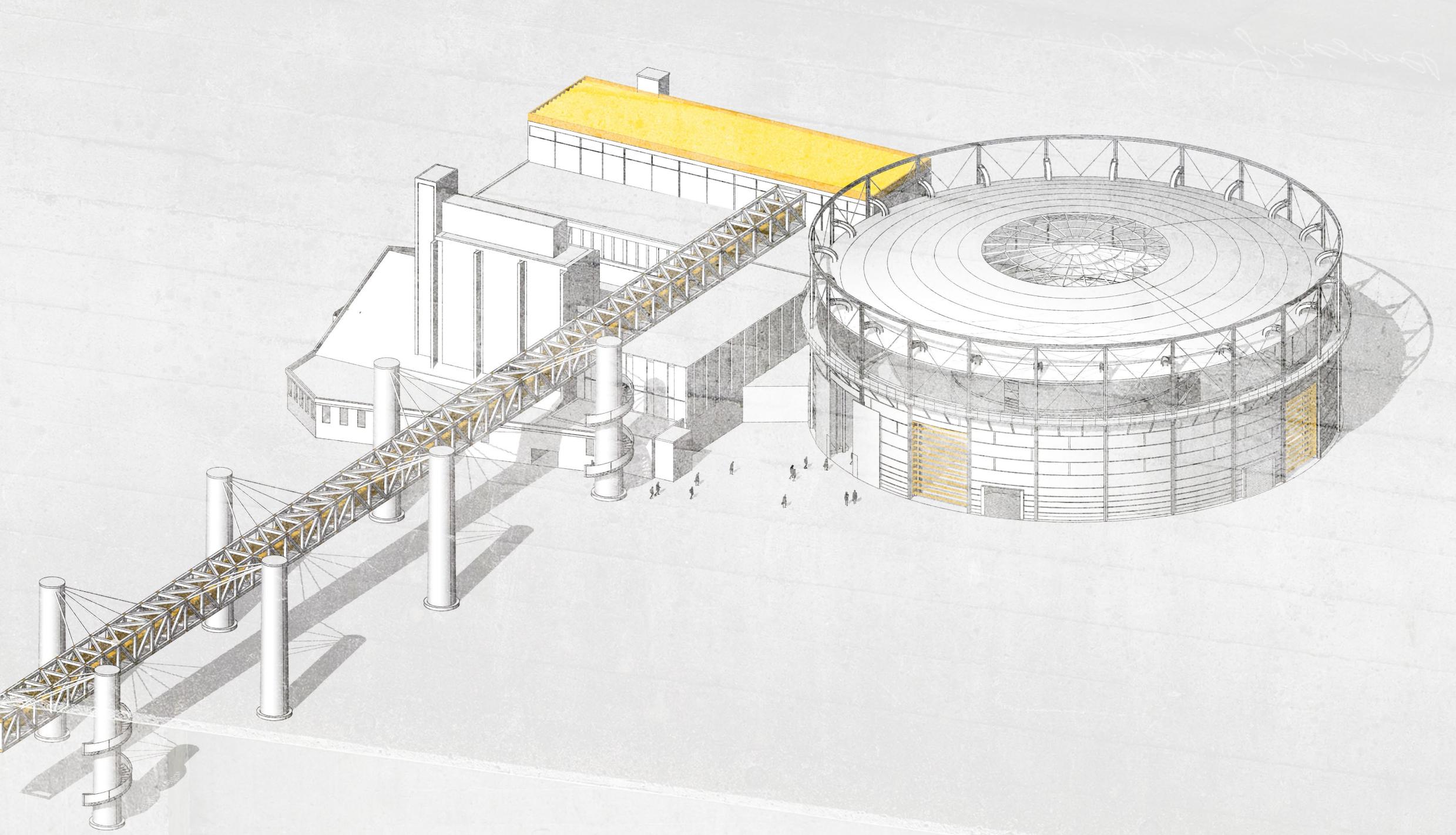
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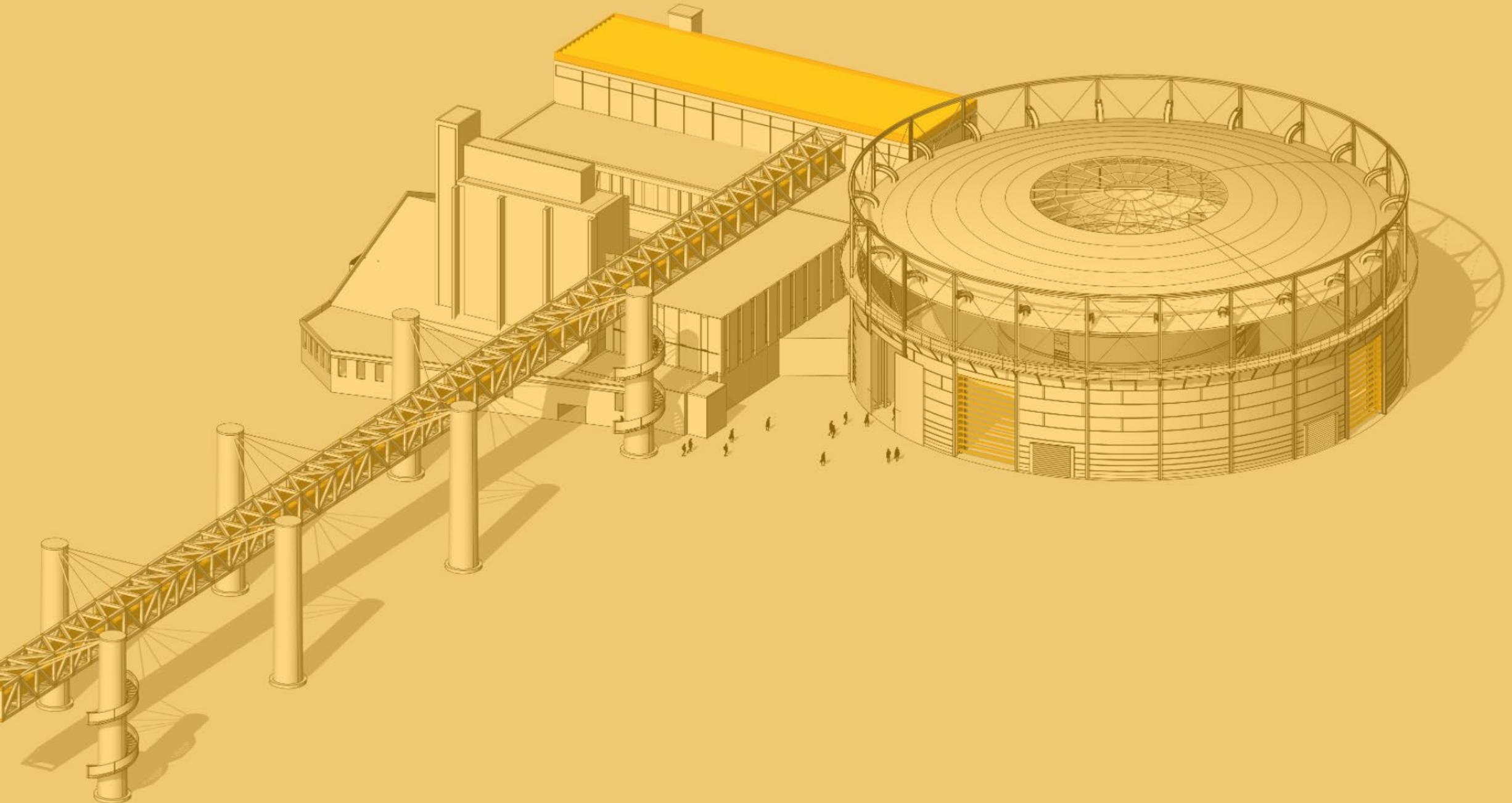


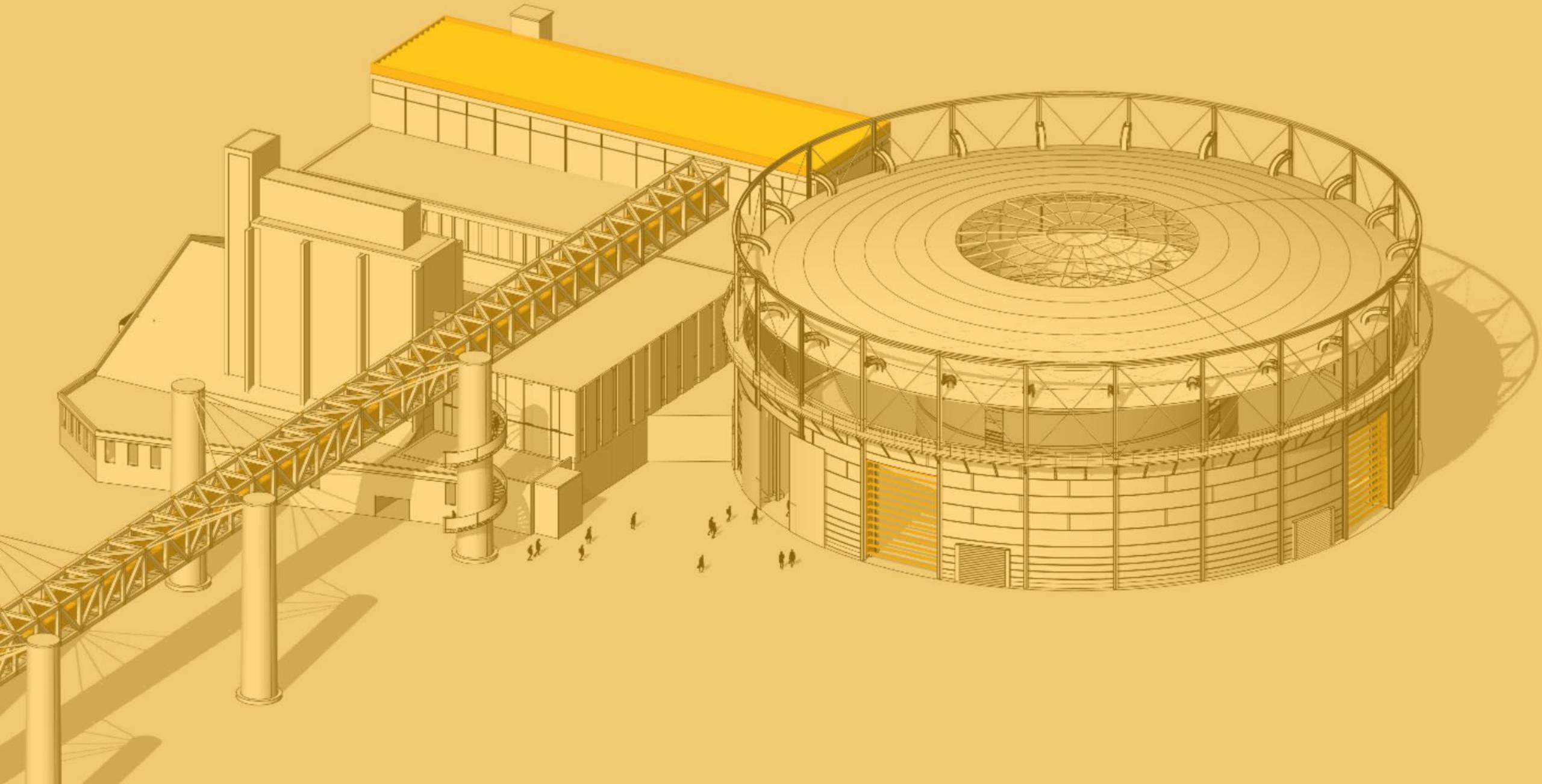


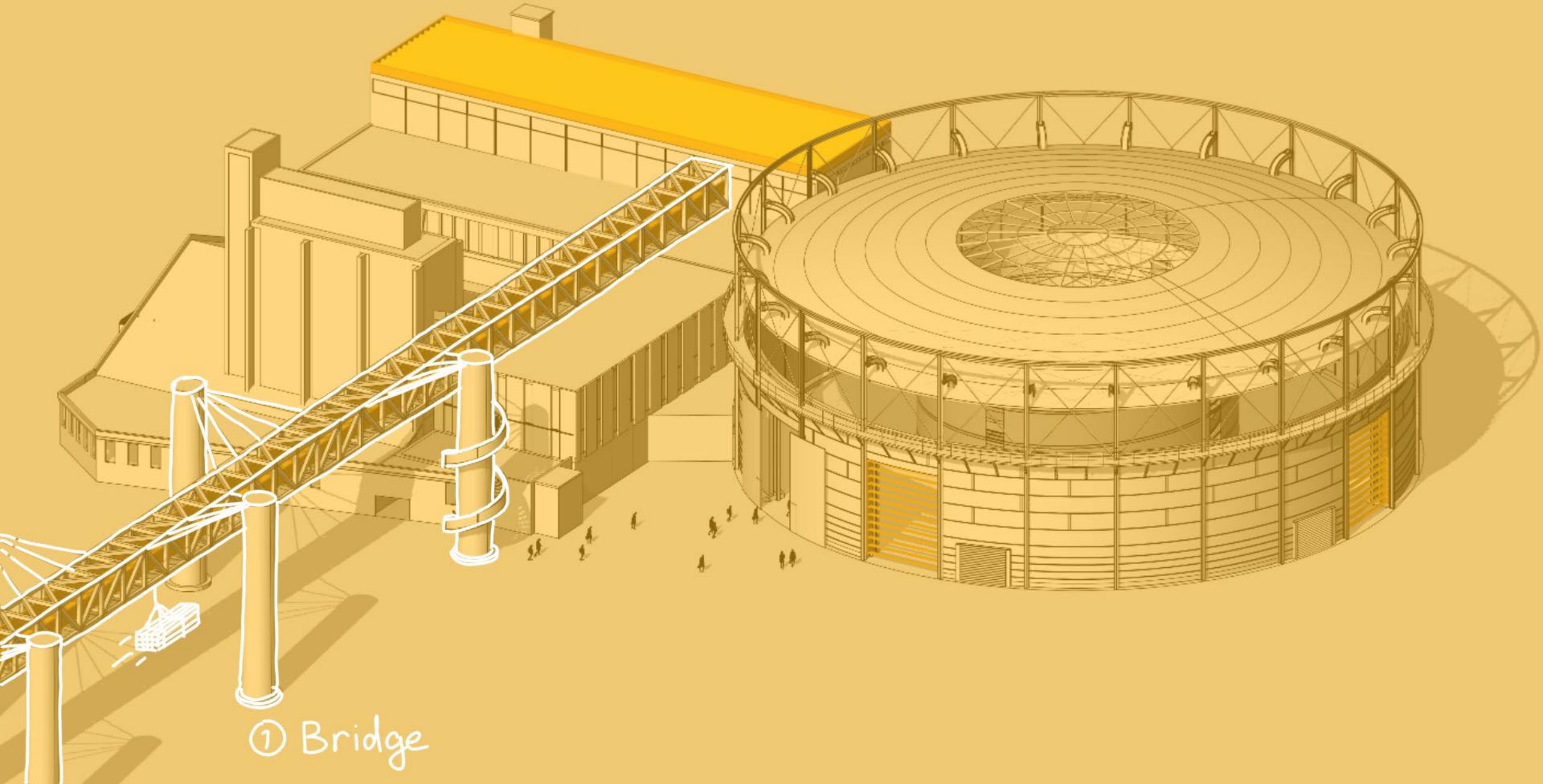






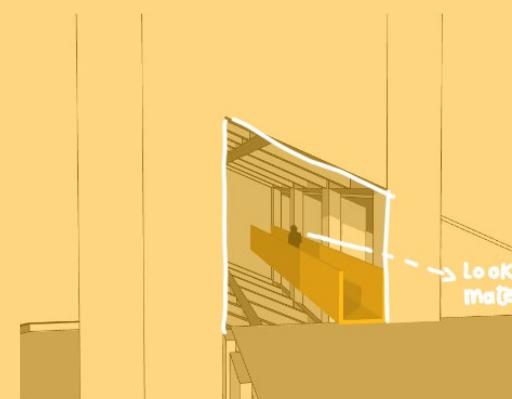
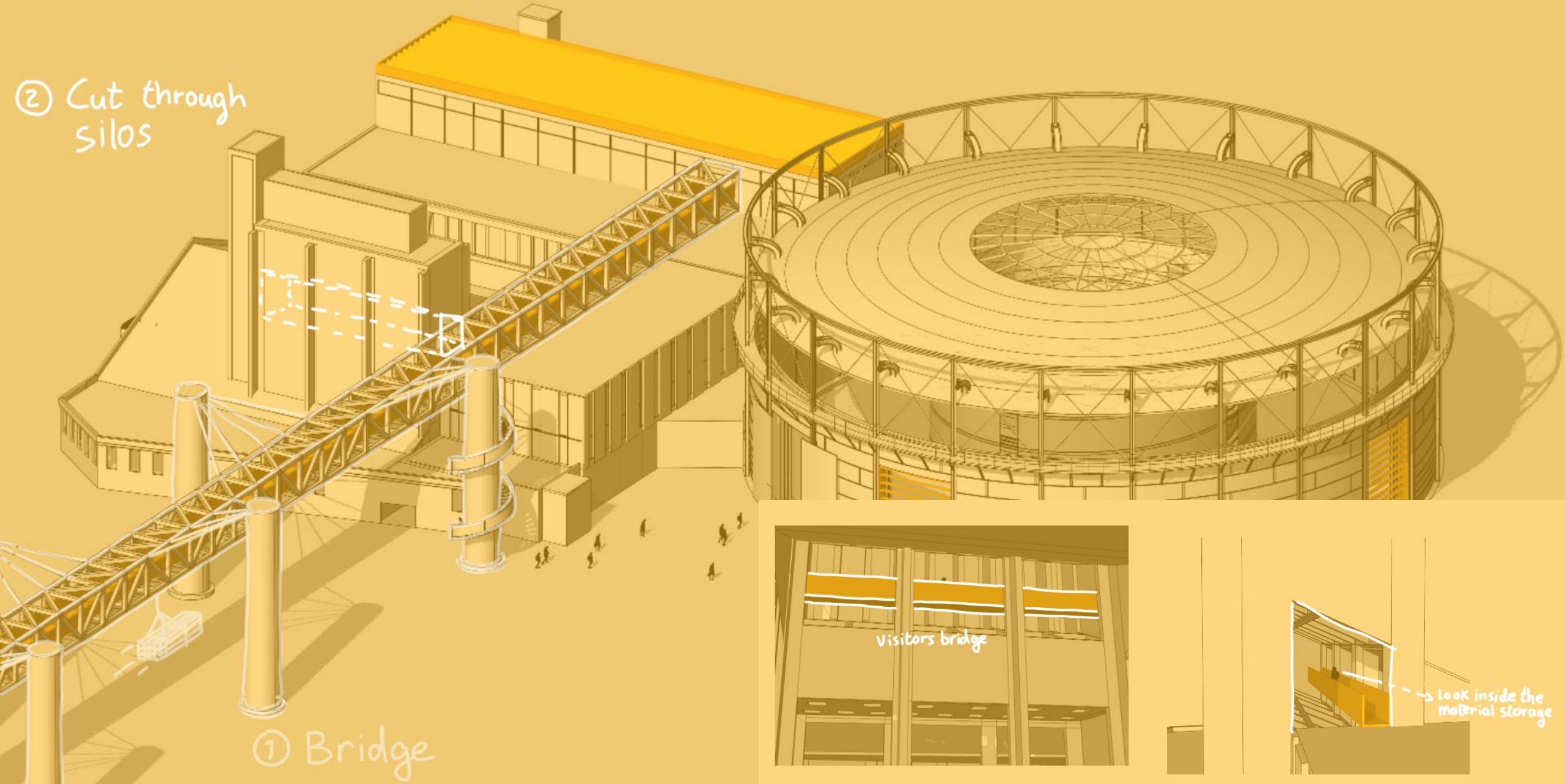


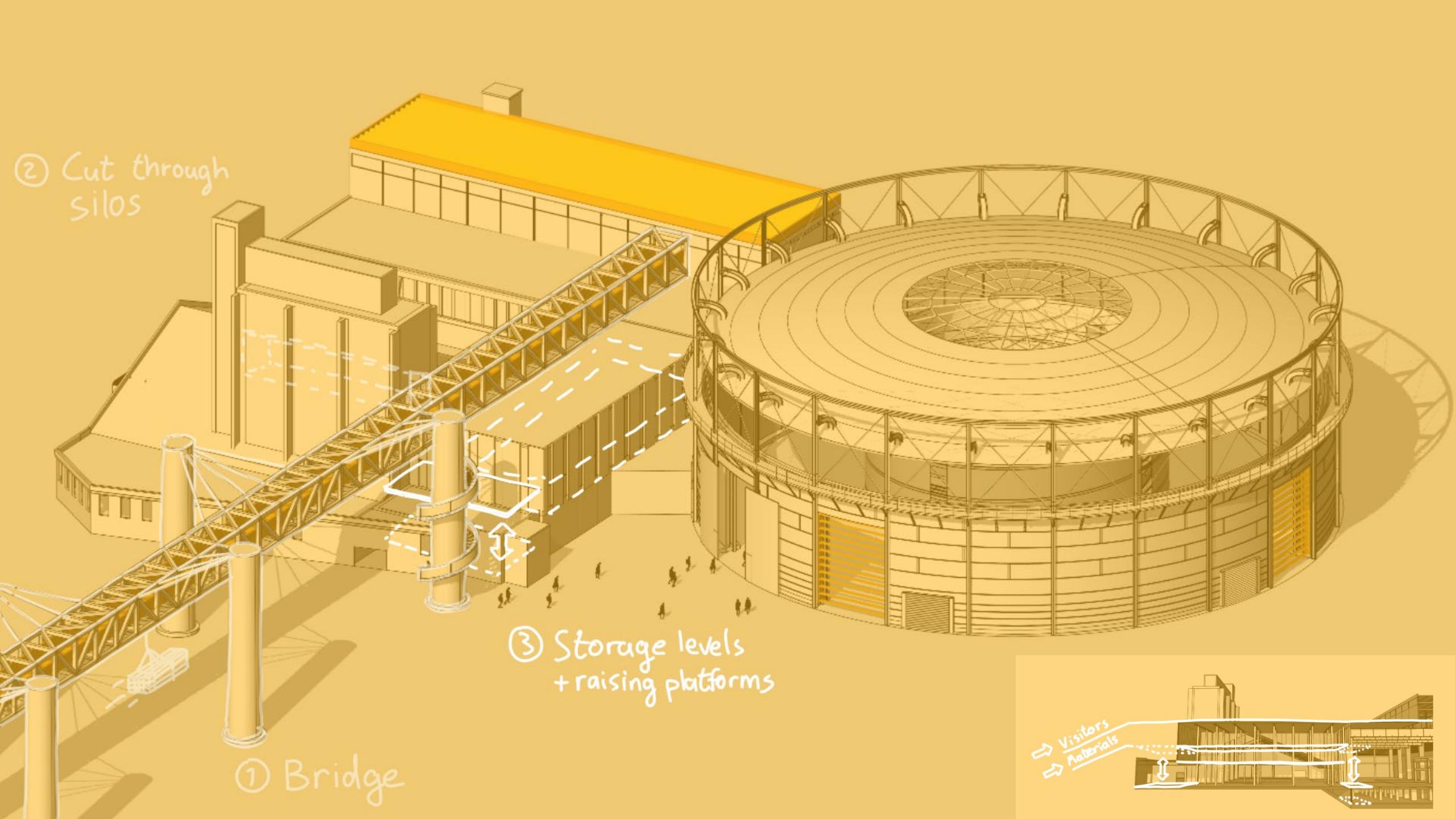


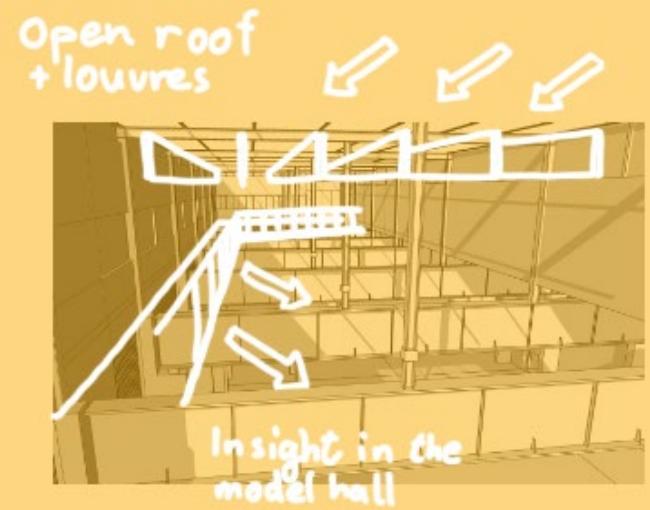
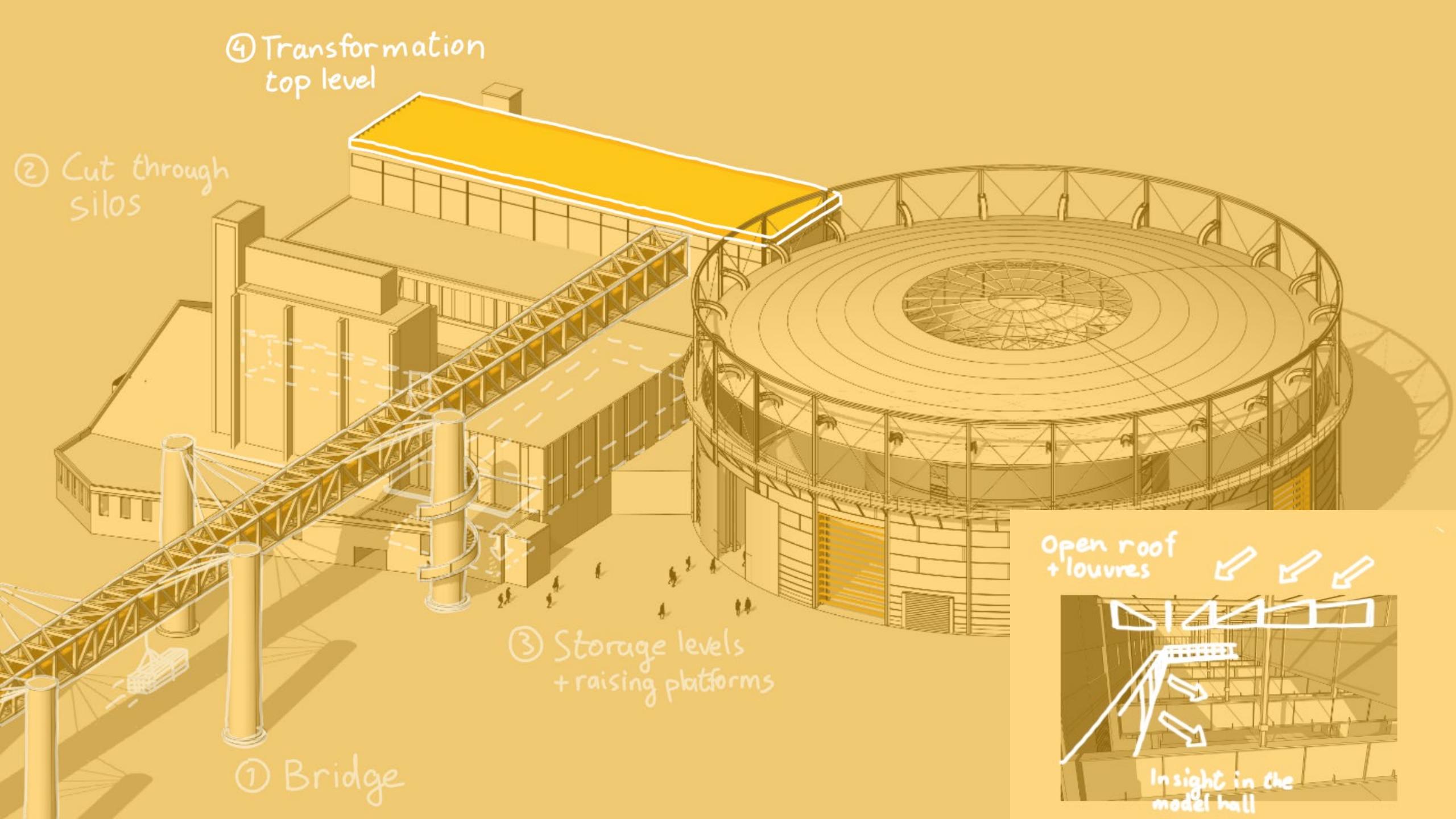


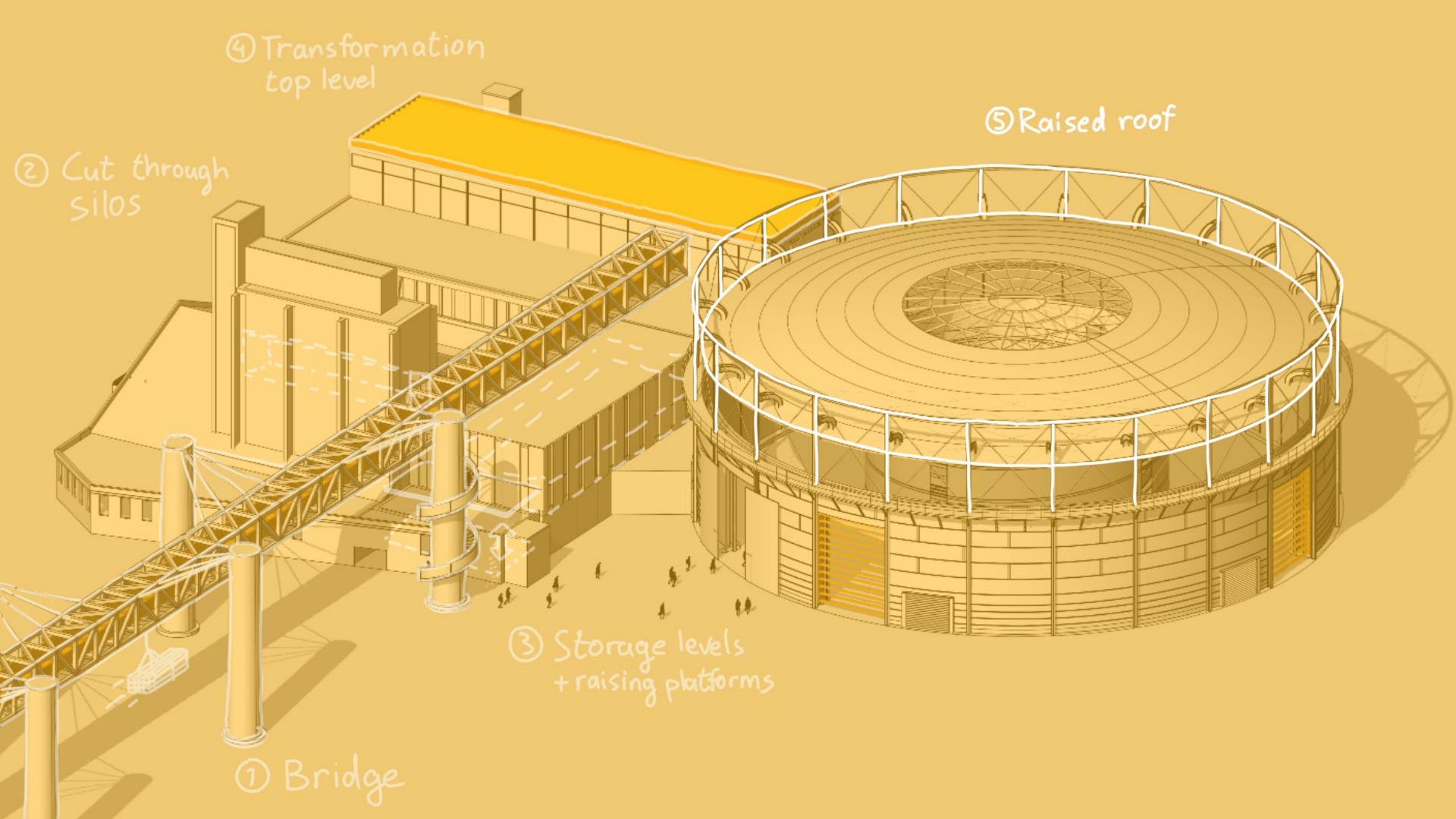
① Bridge

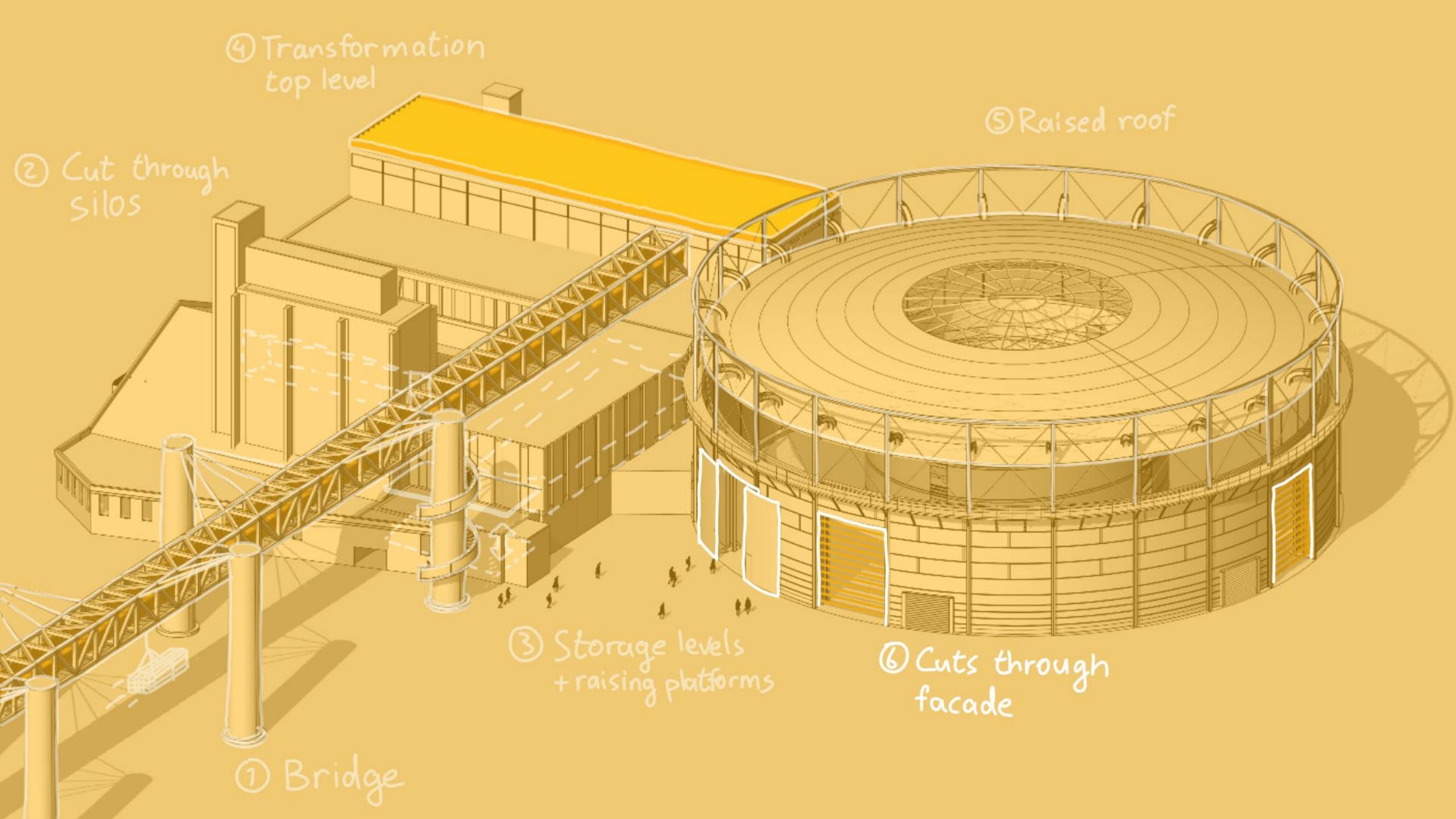
② Cut through
silos

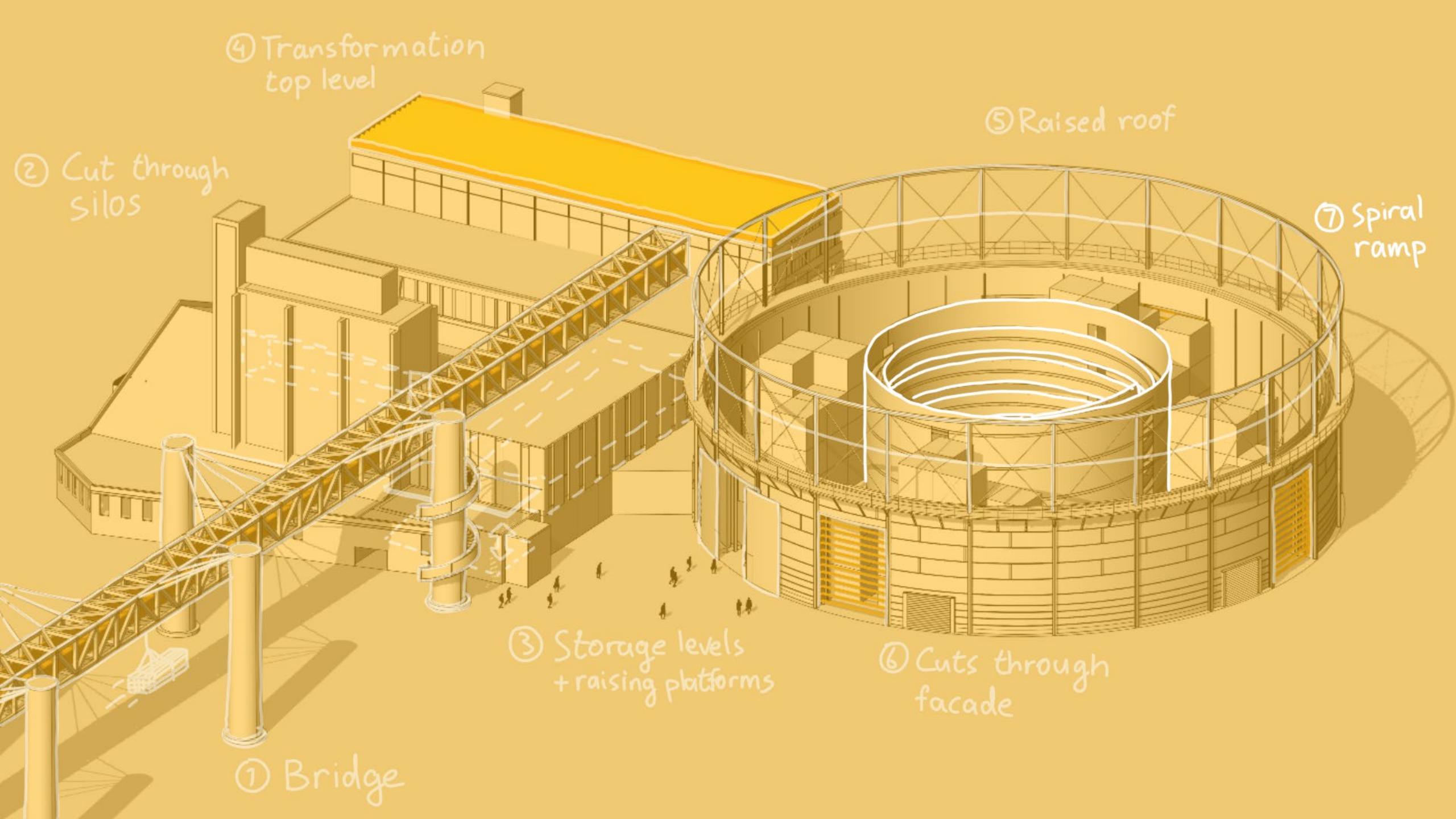


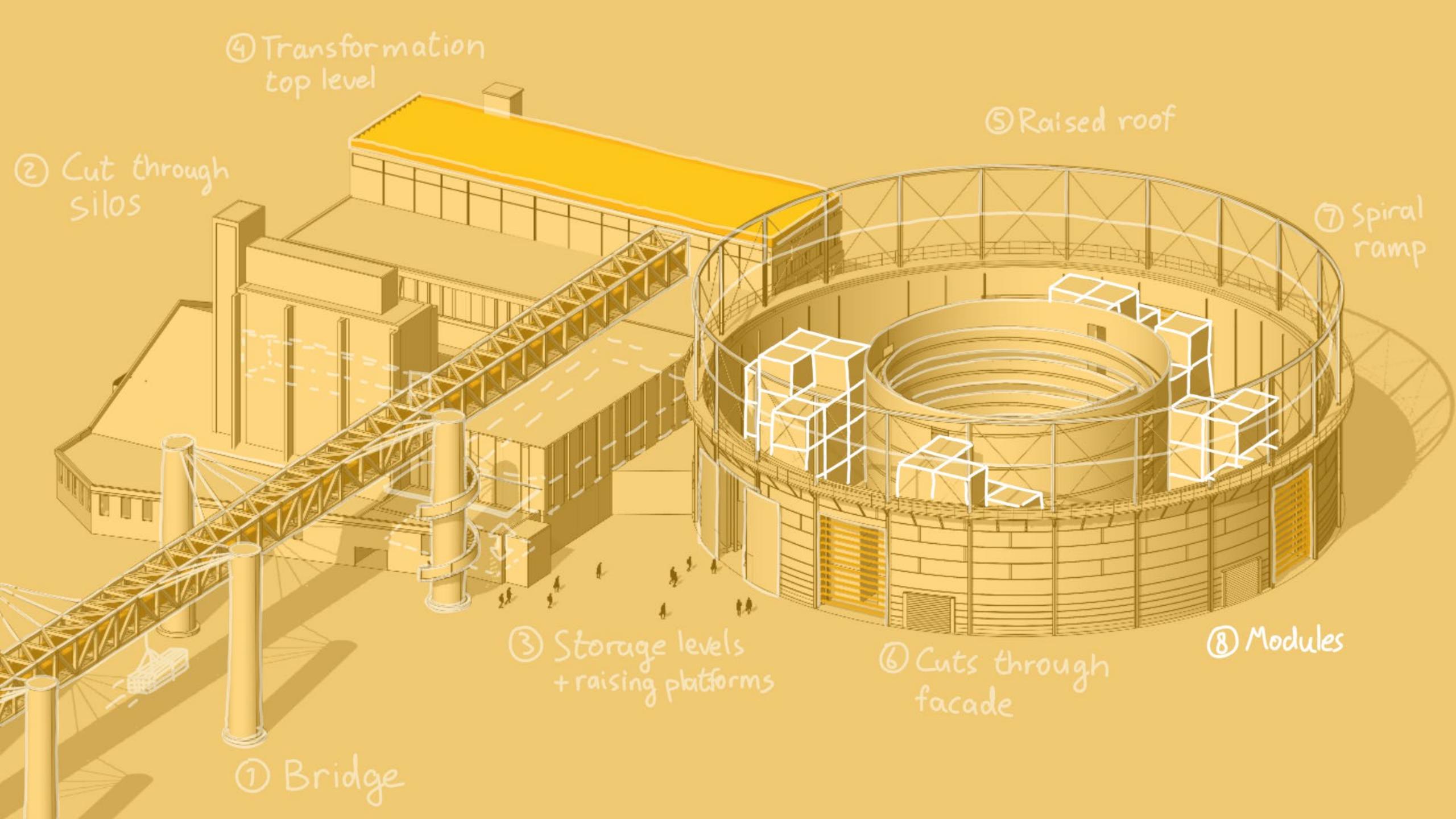


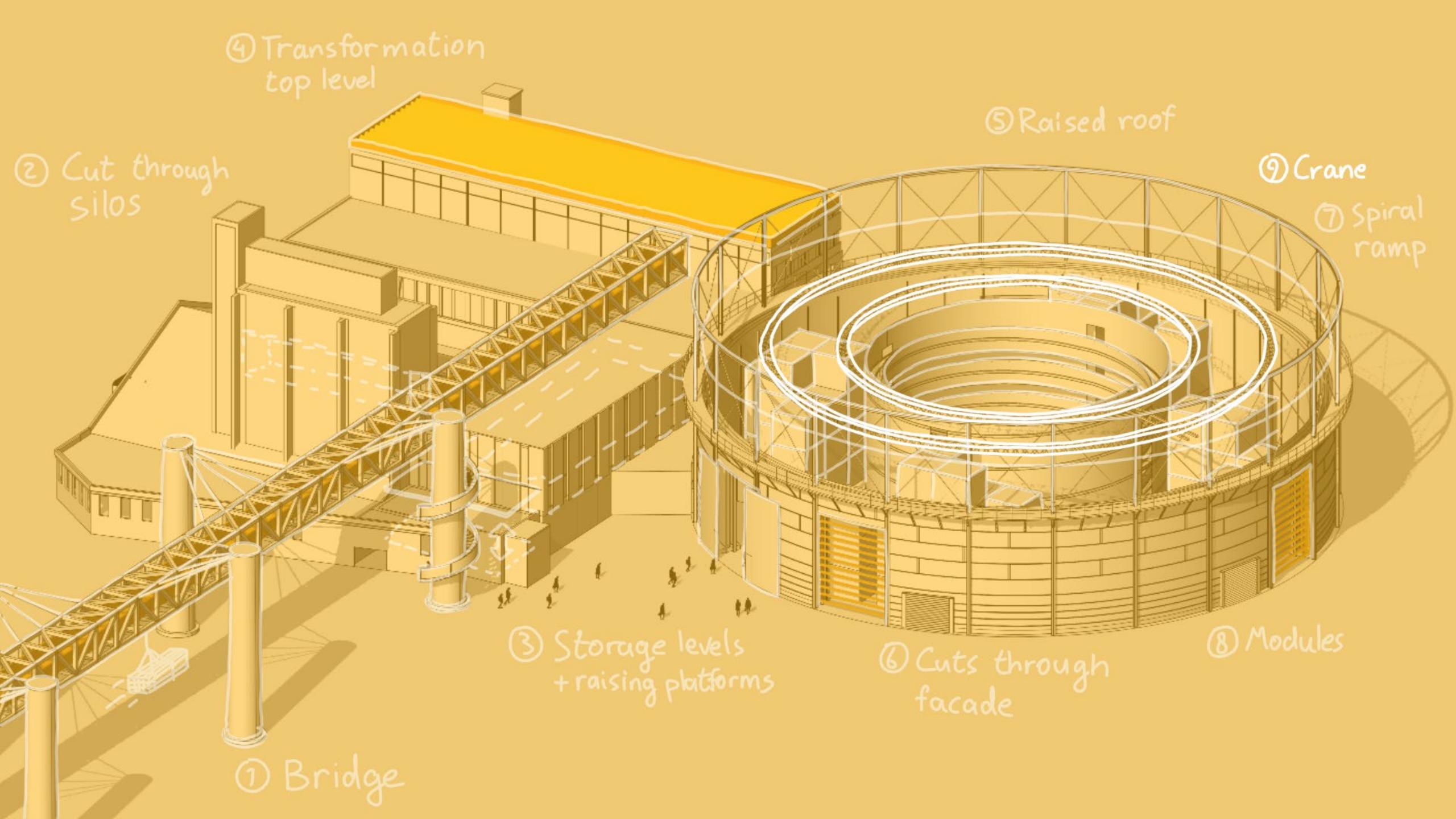


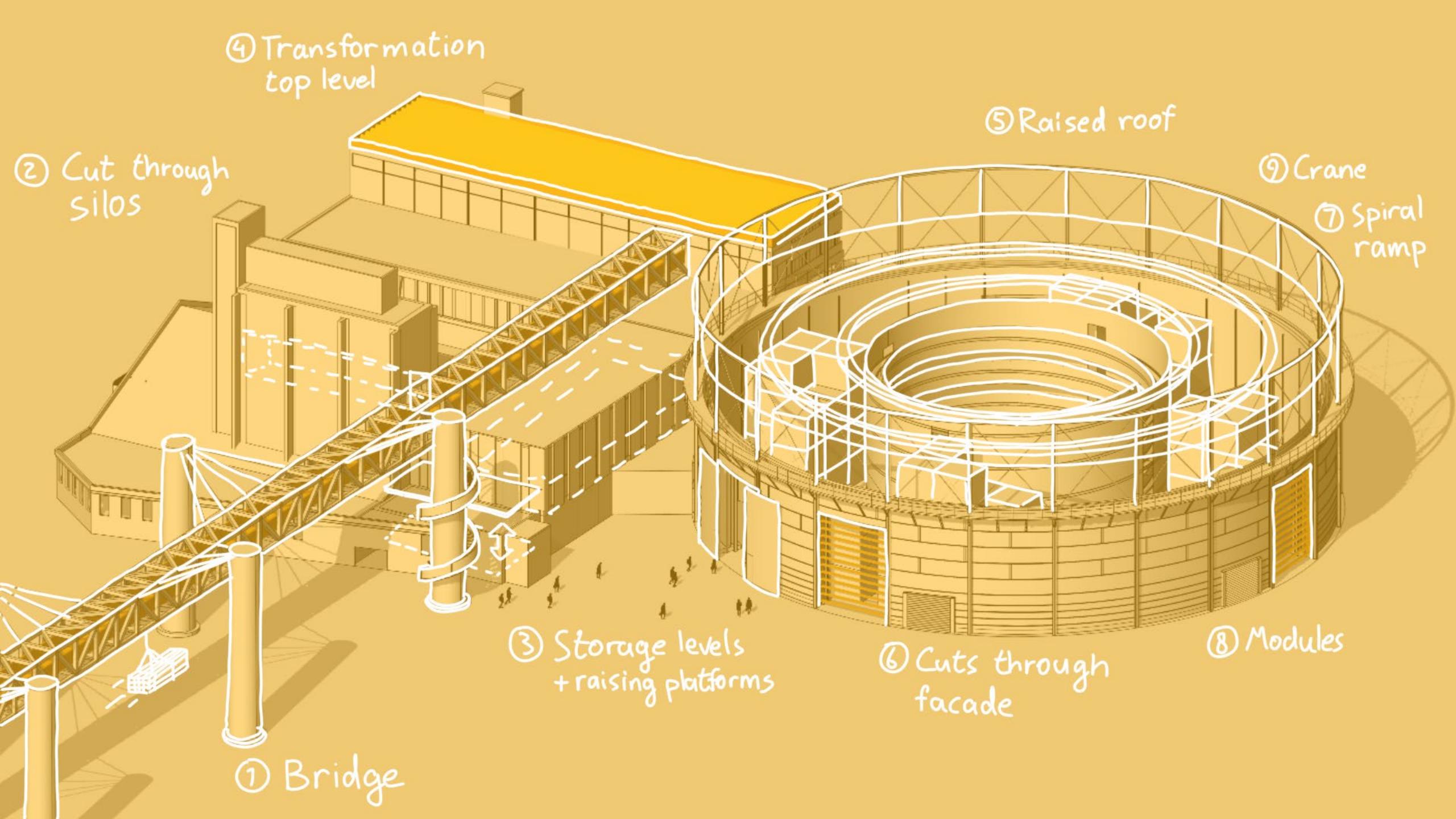


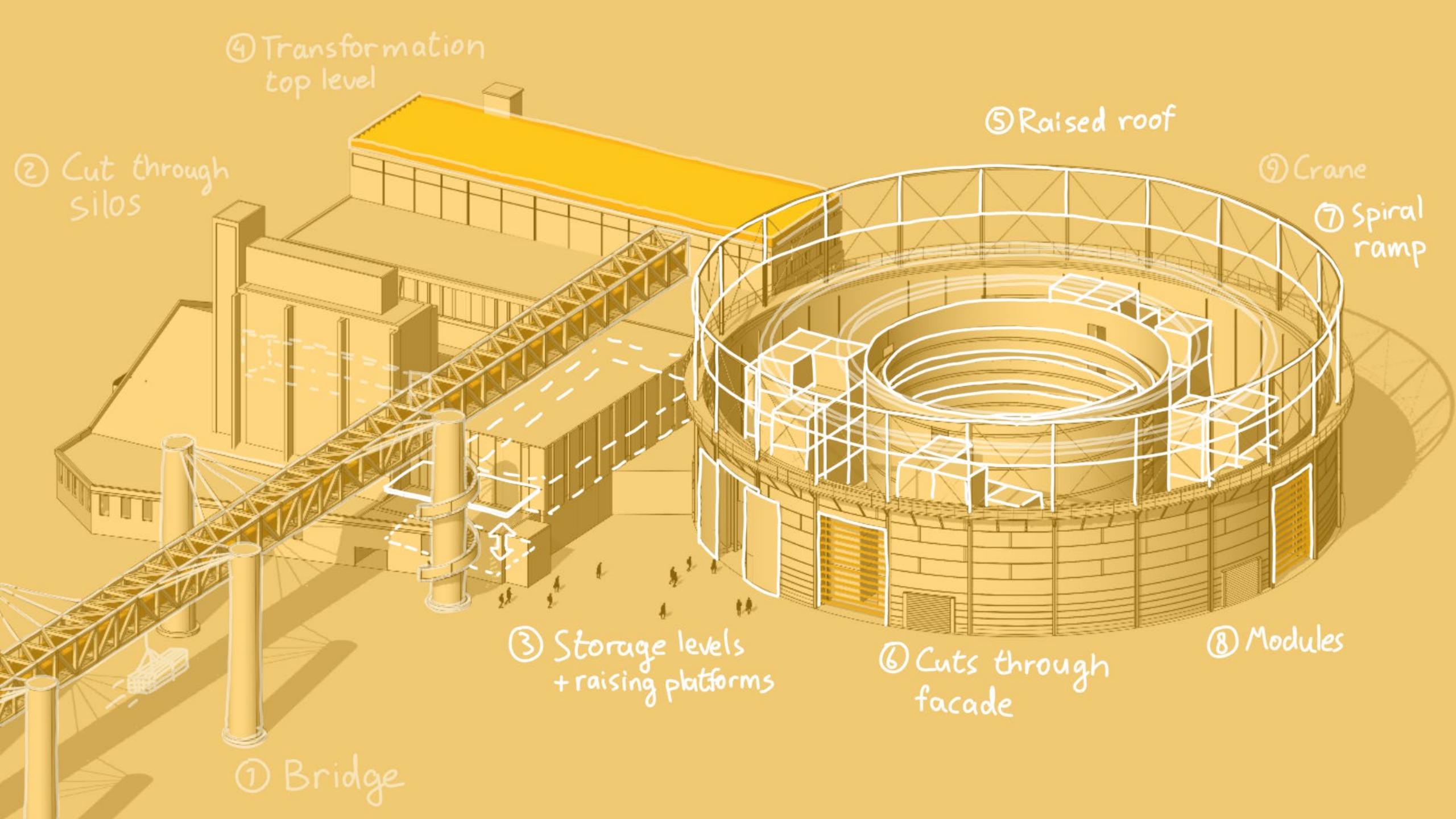








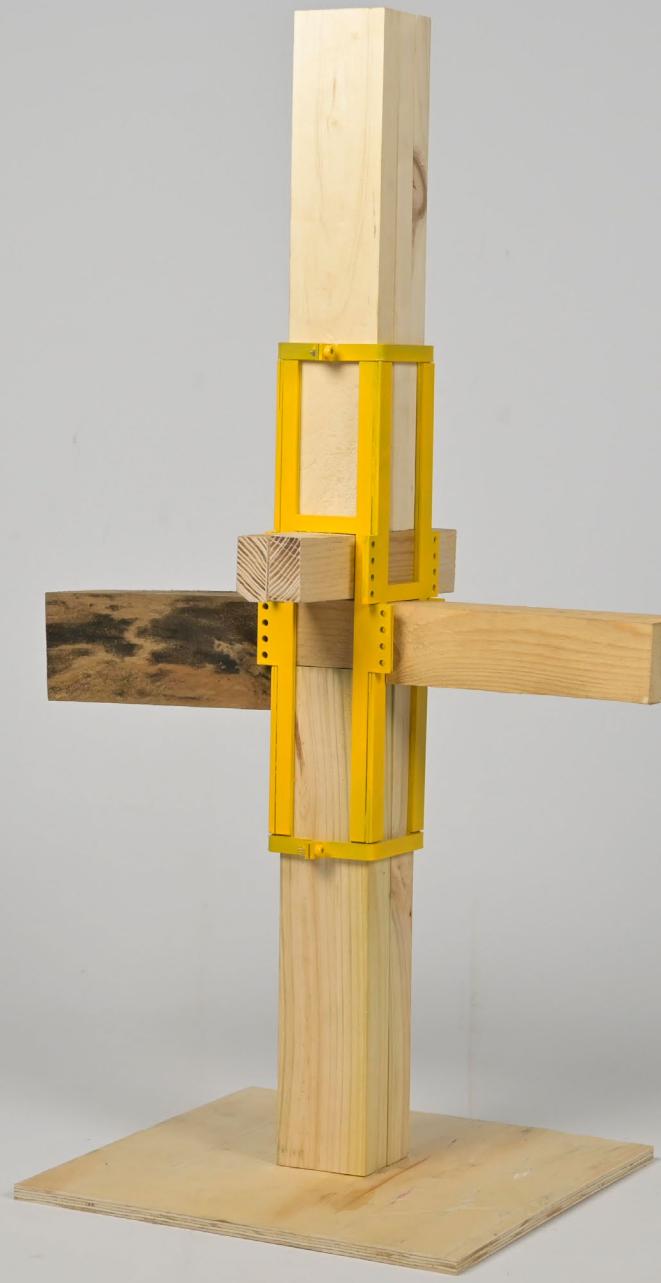


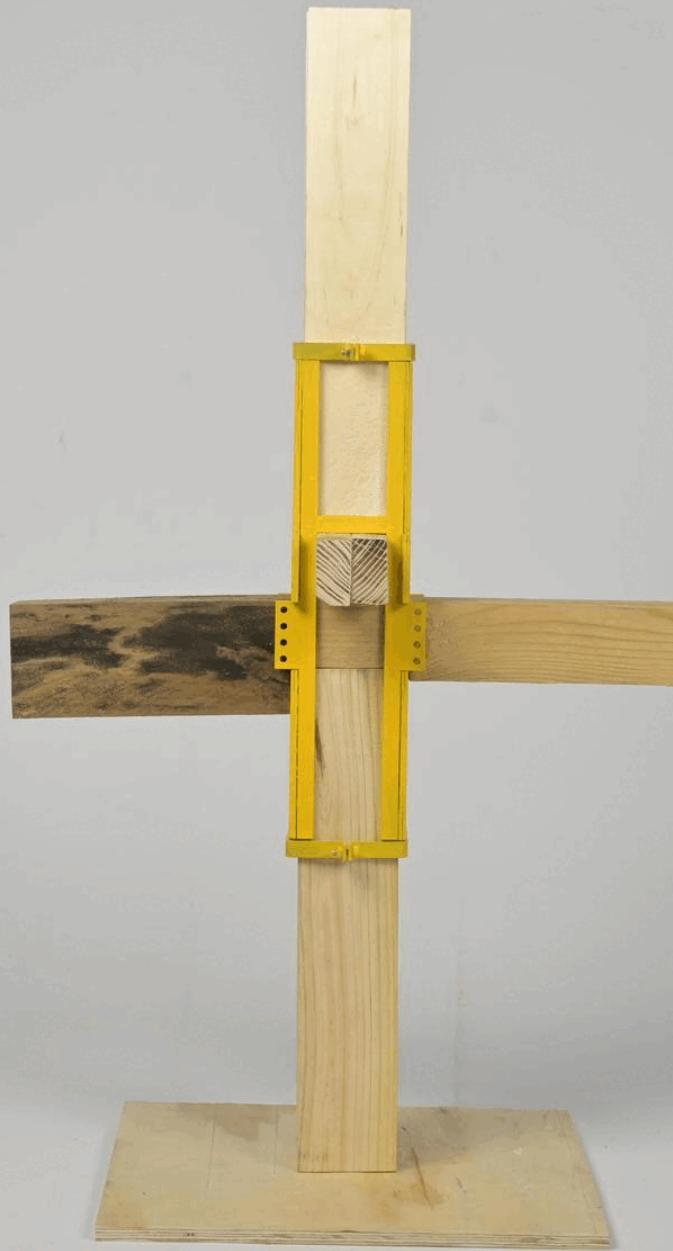


THE CENTRAL PAVILION





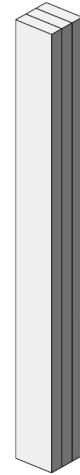


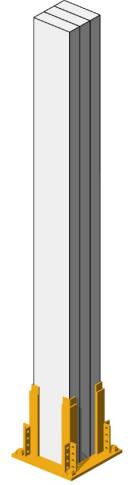


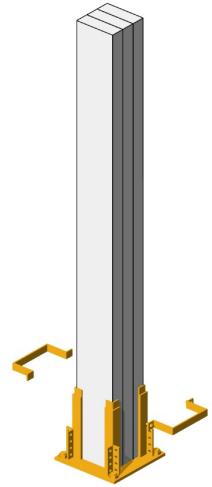


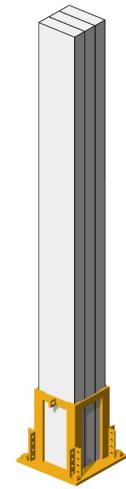


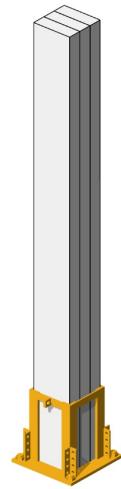


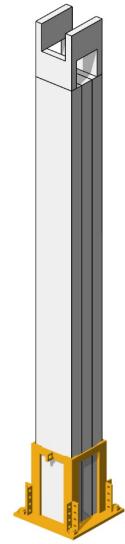


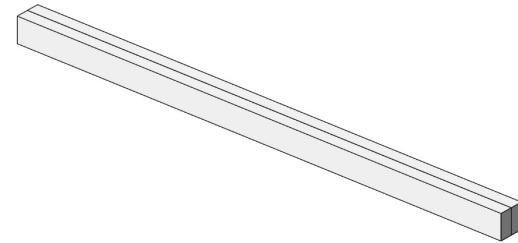
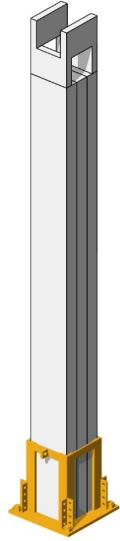
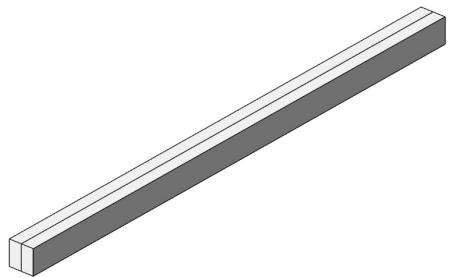


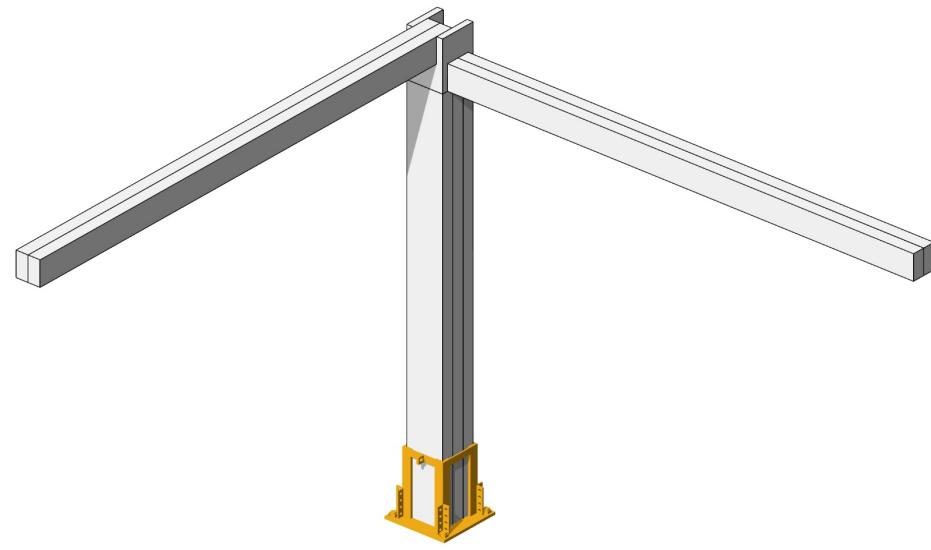


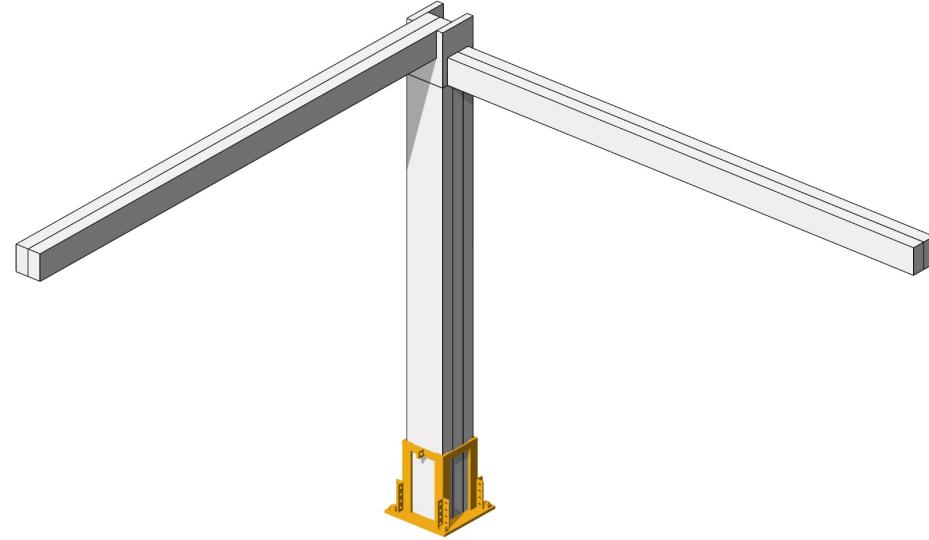


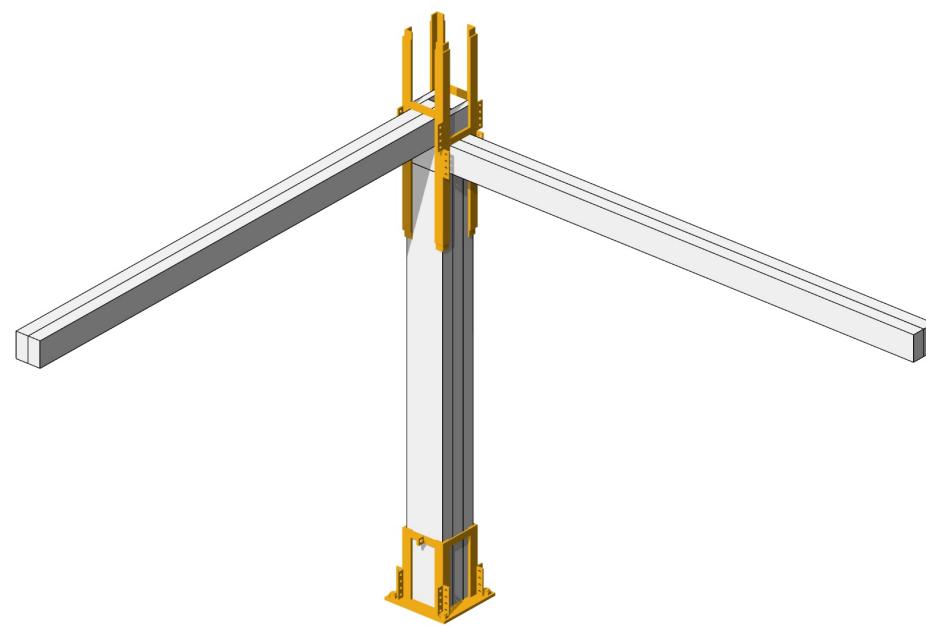


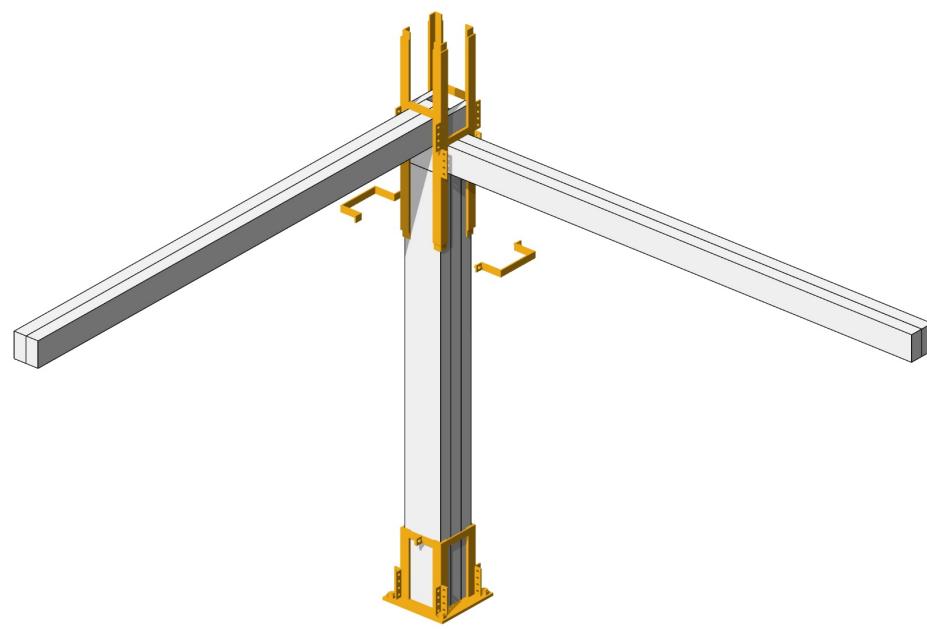


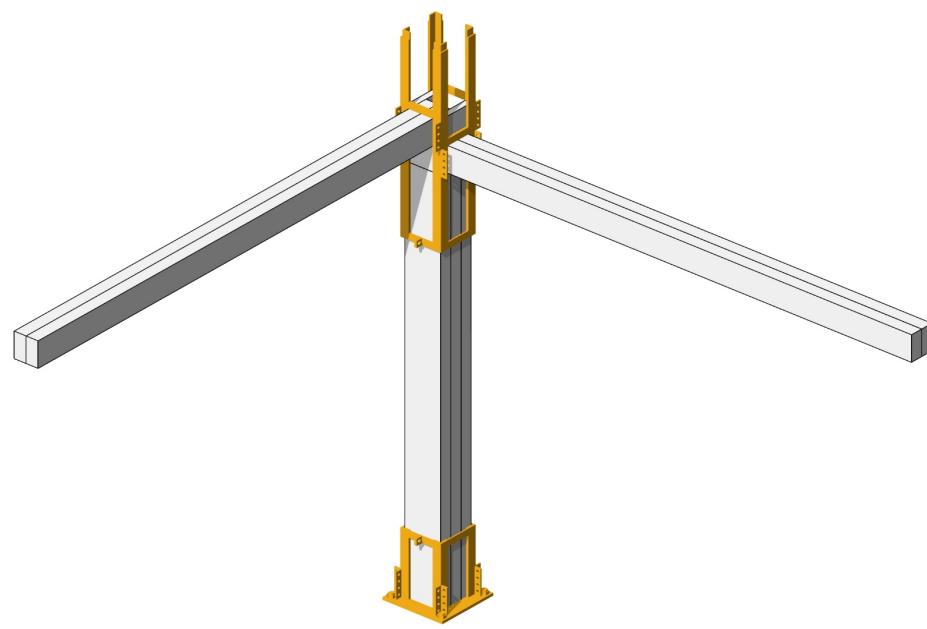


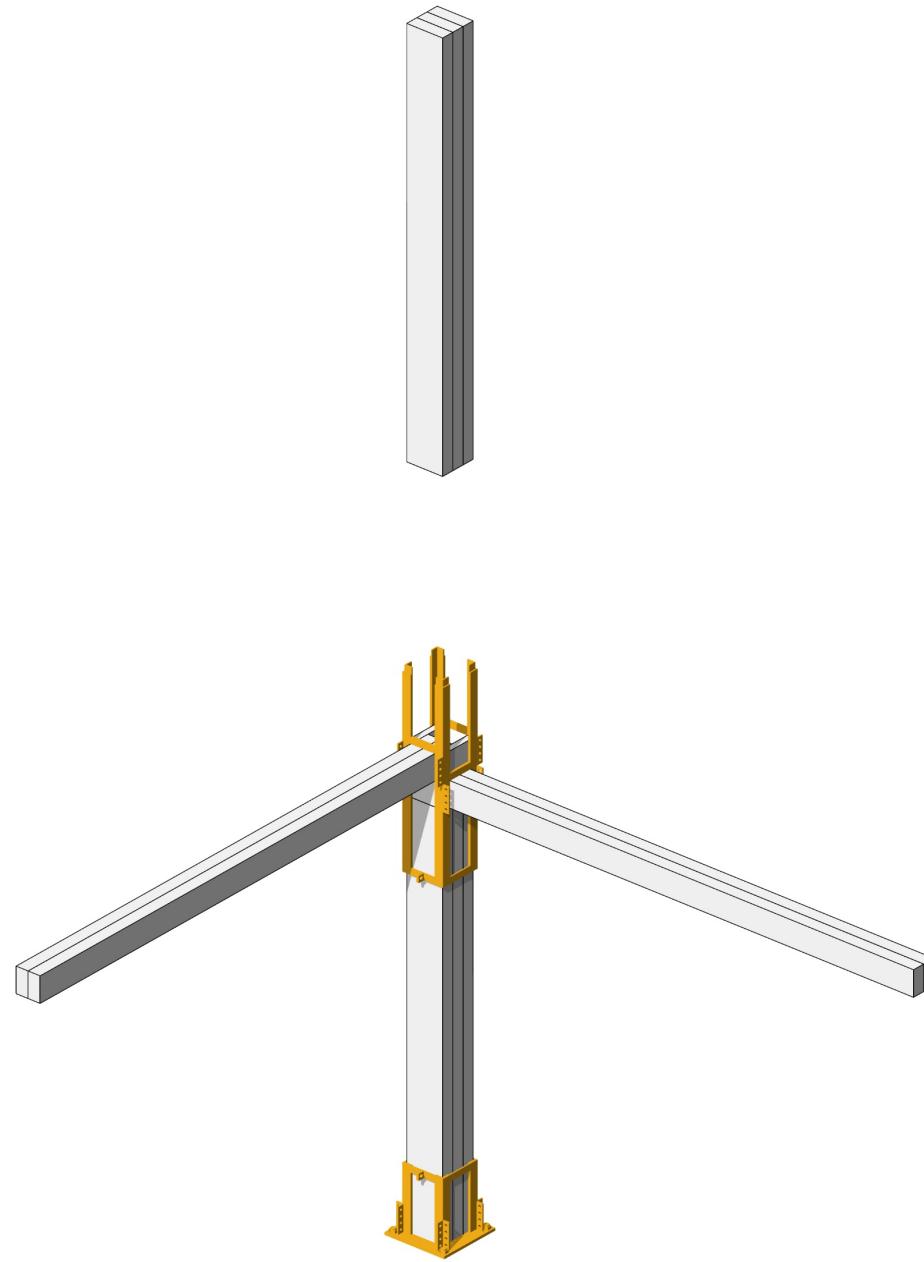




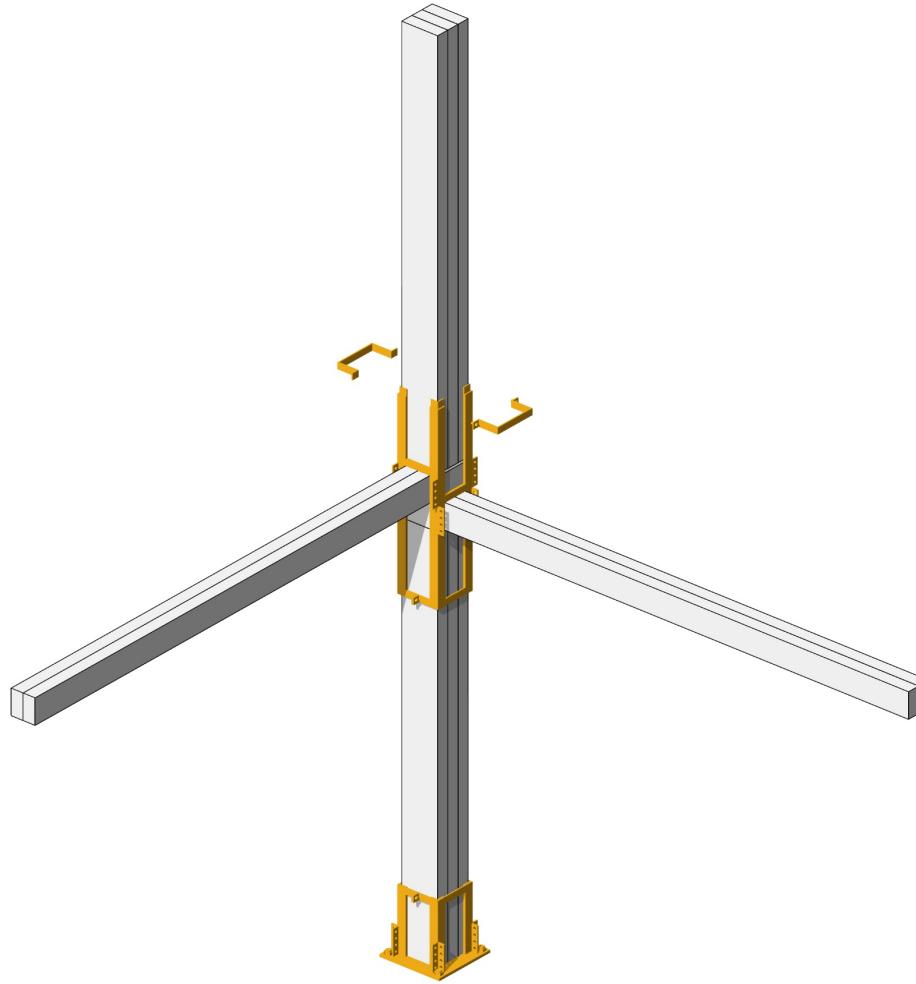




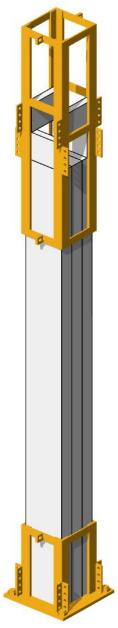


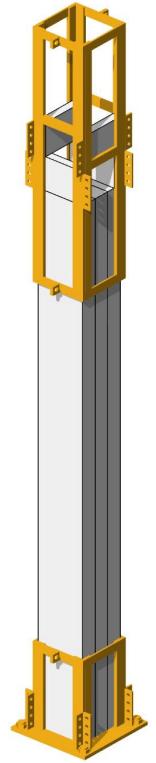


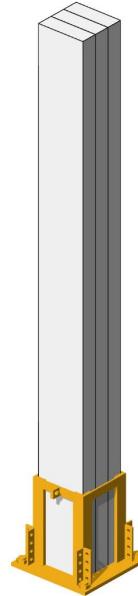
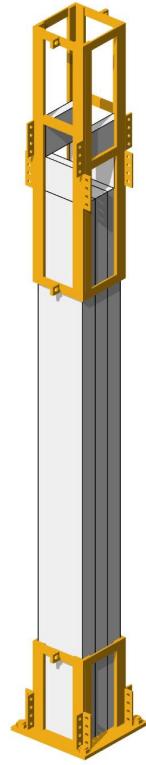
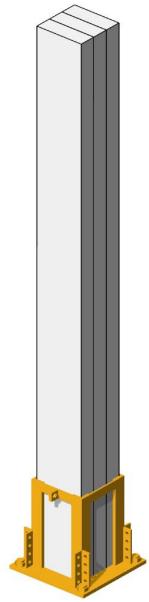


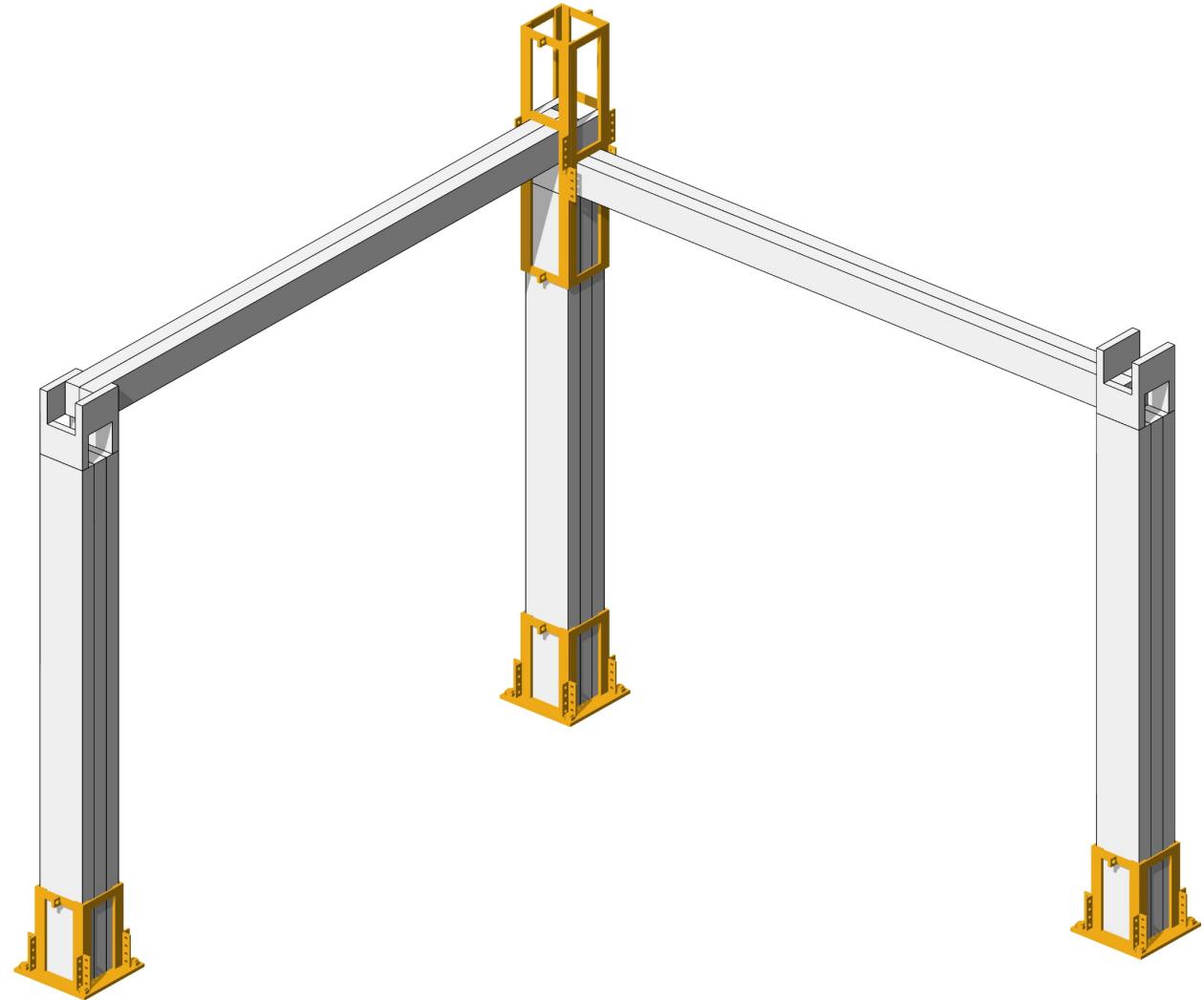


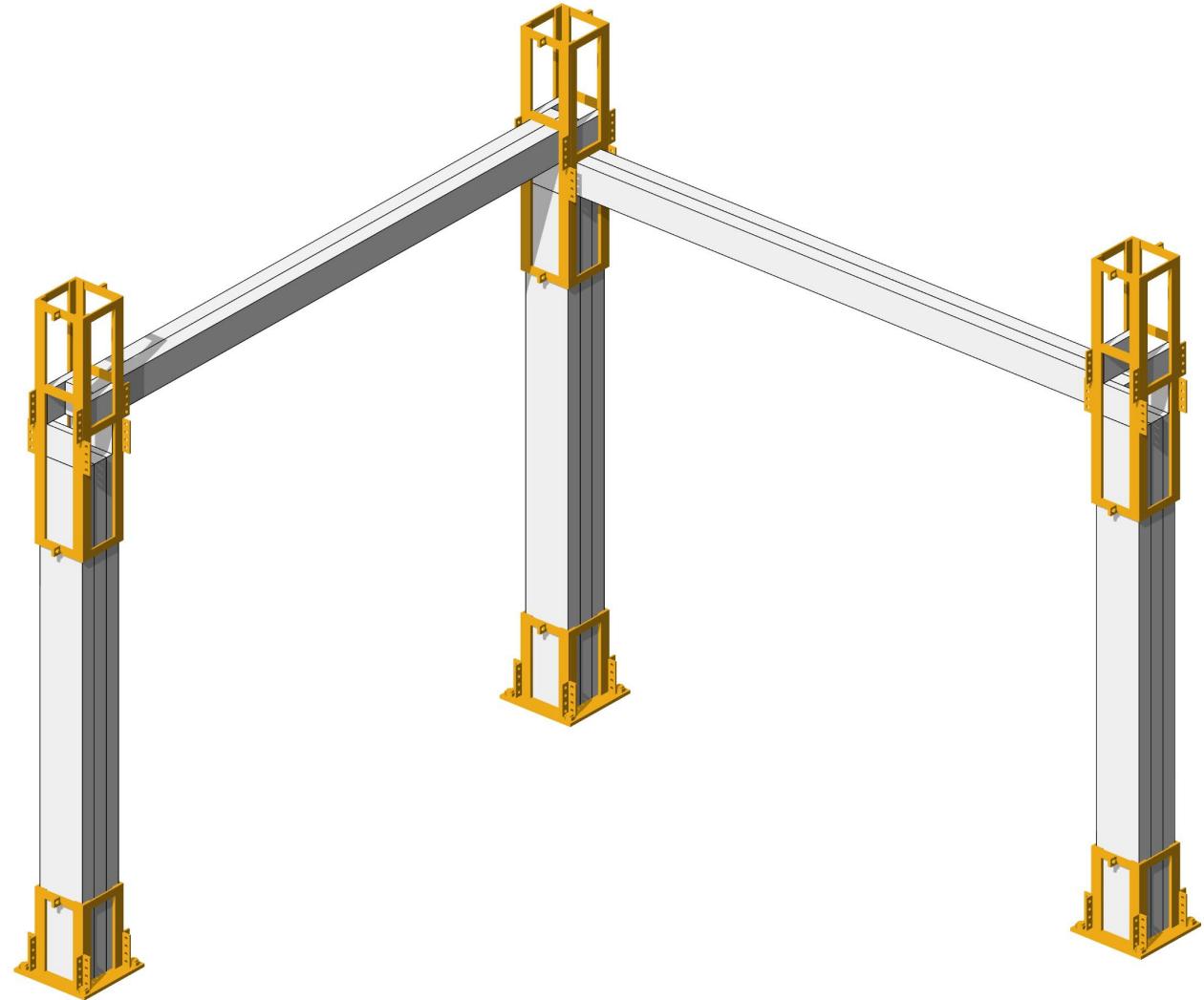


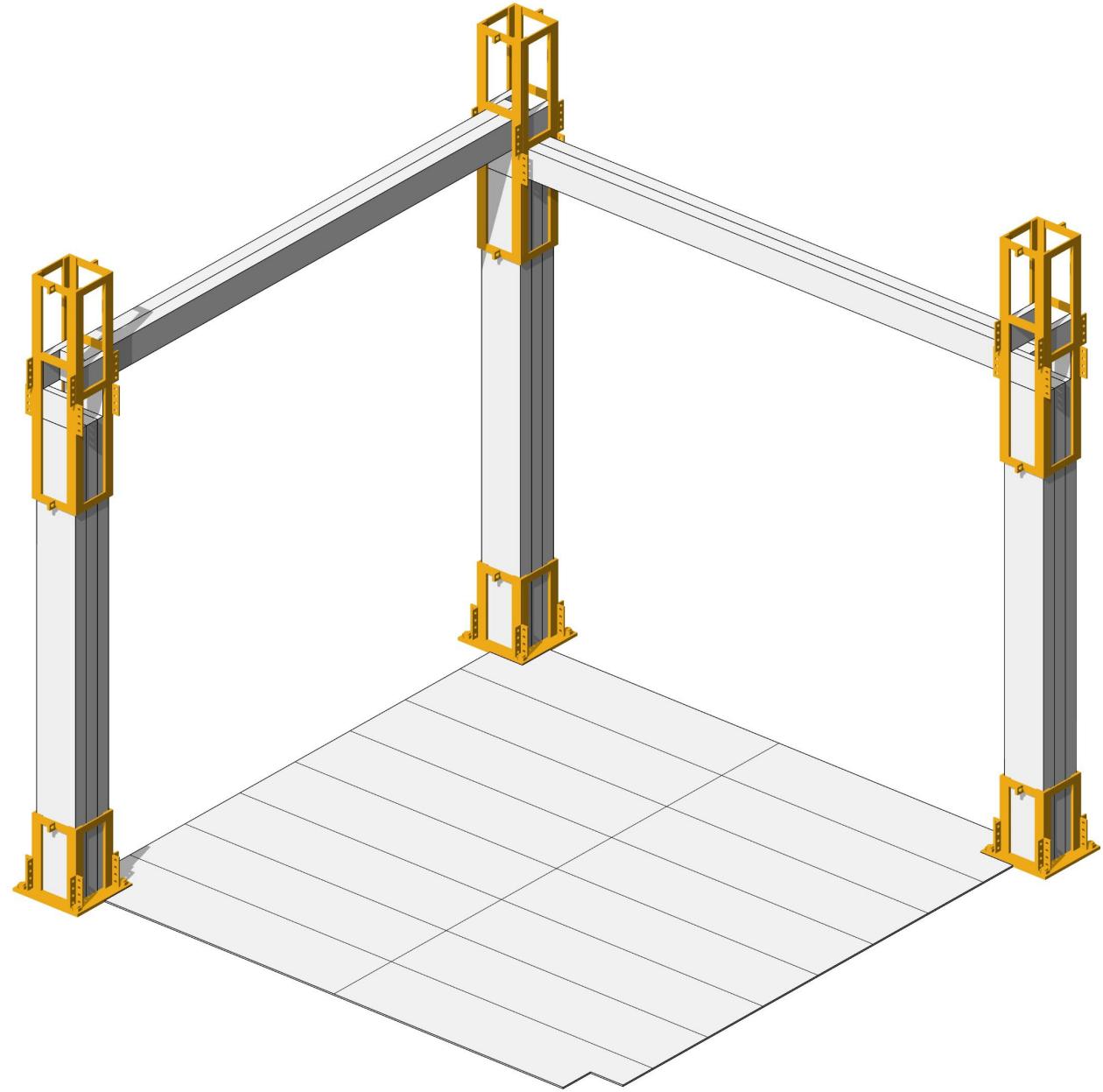


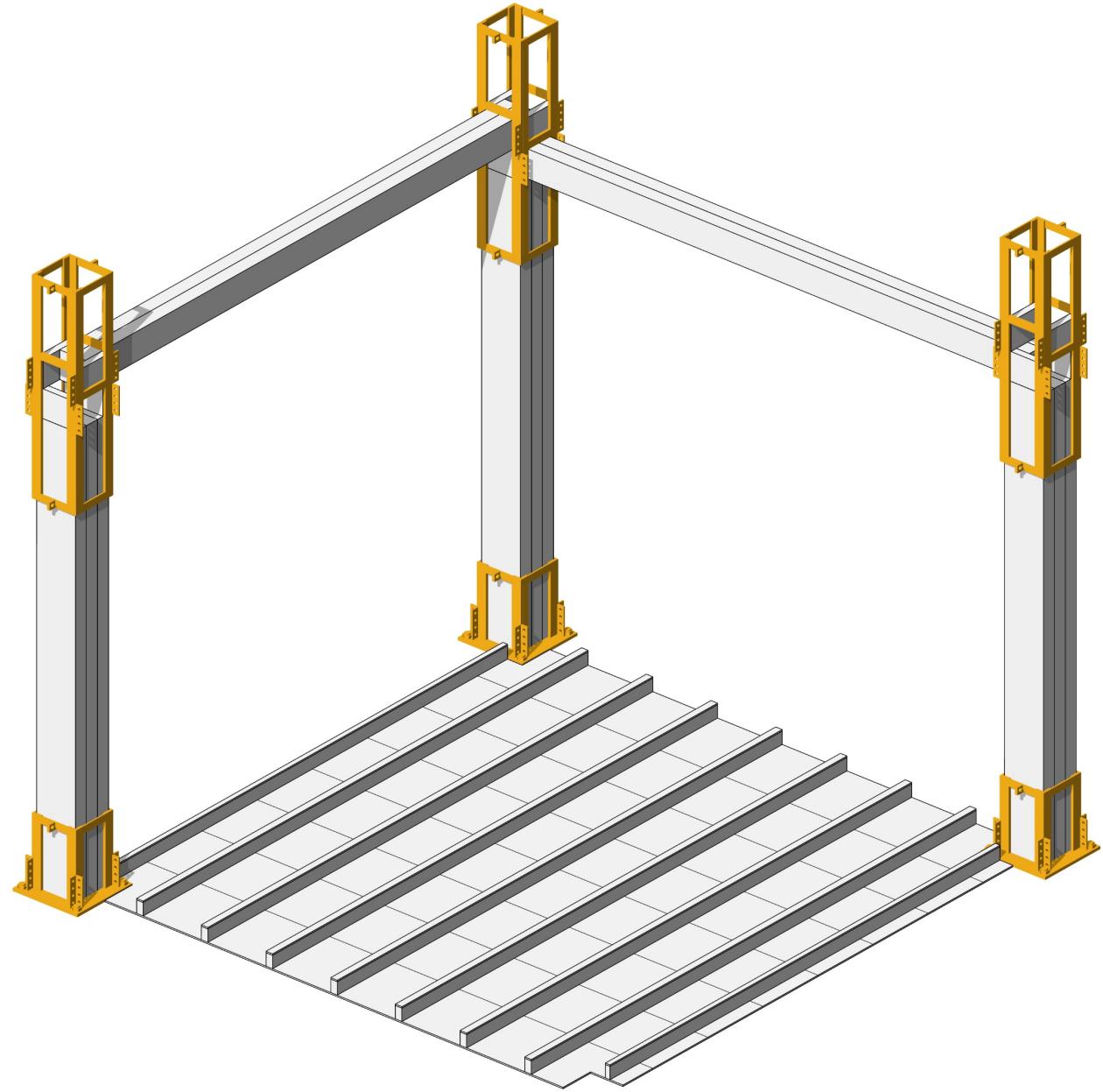


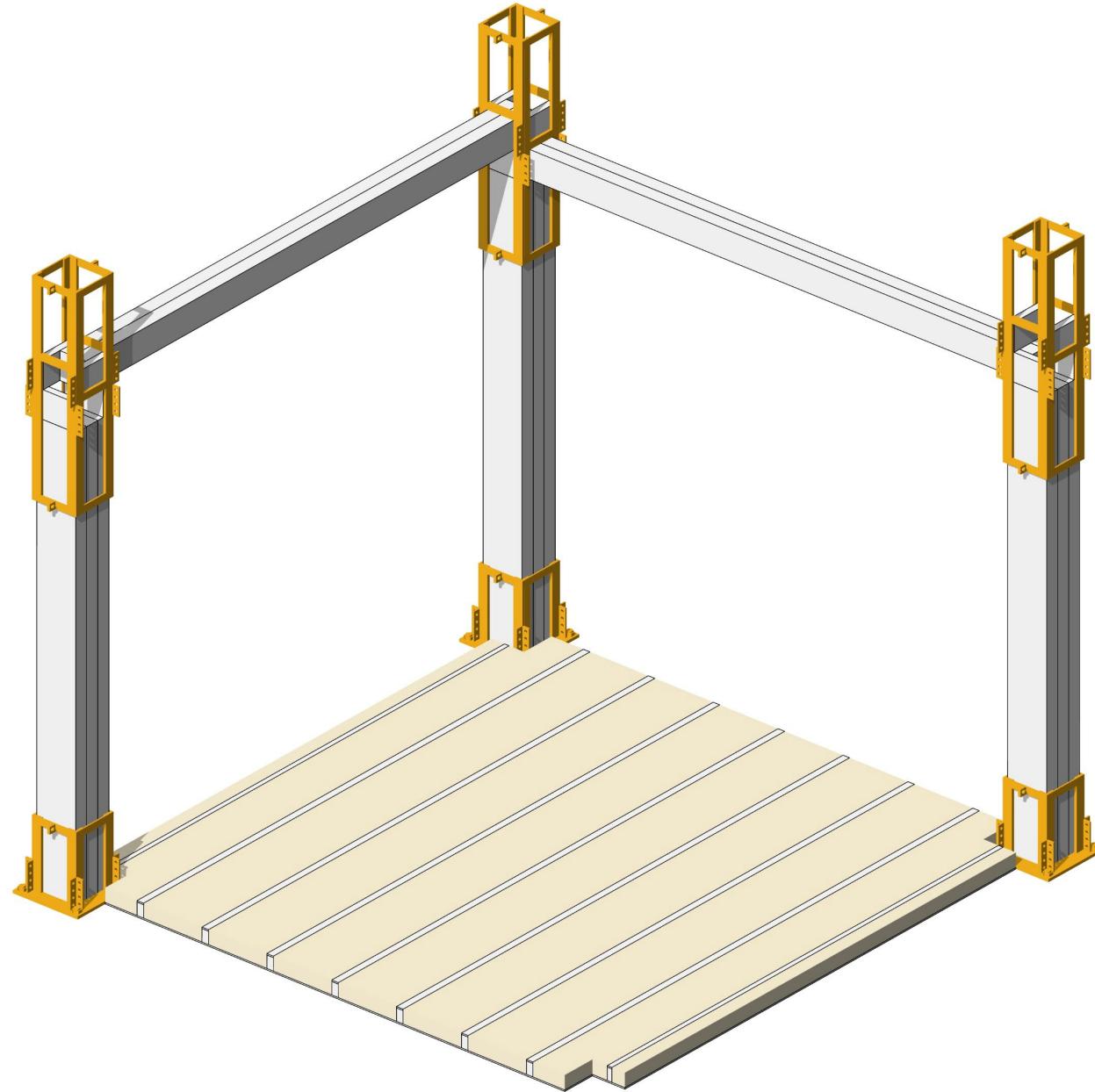


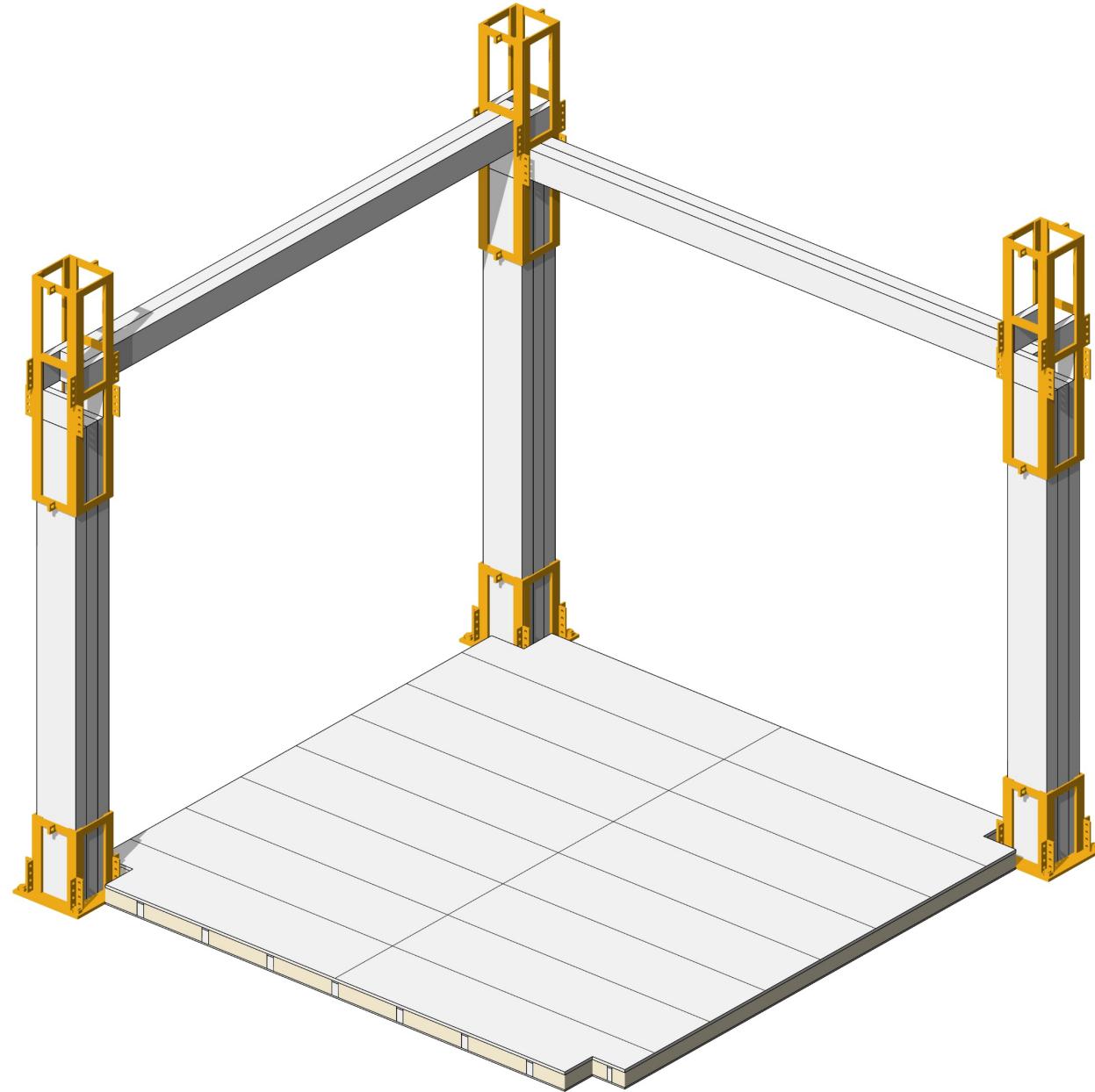


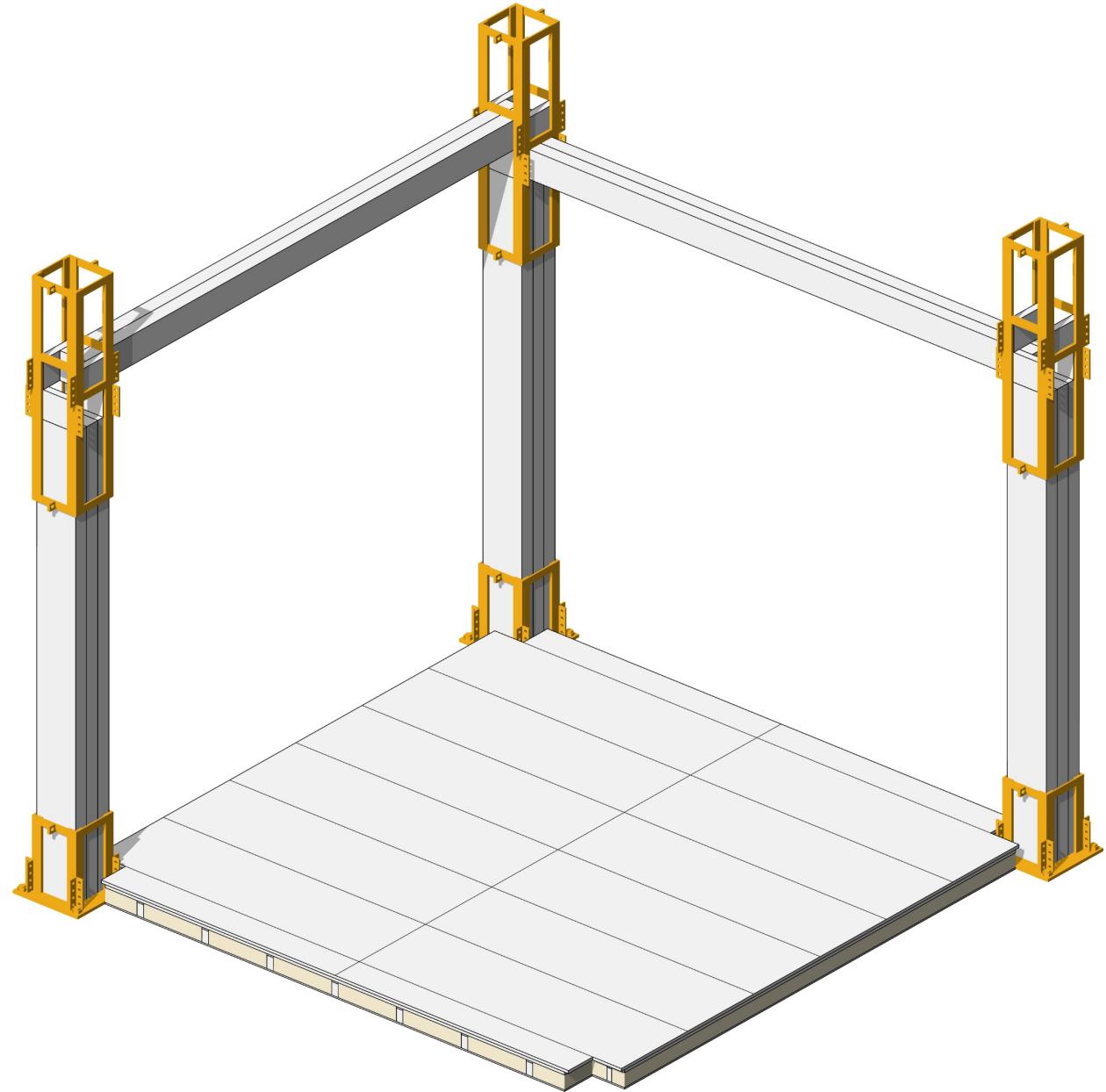


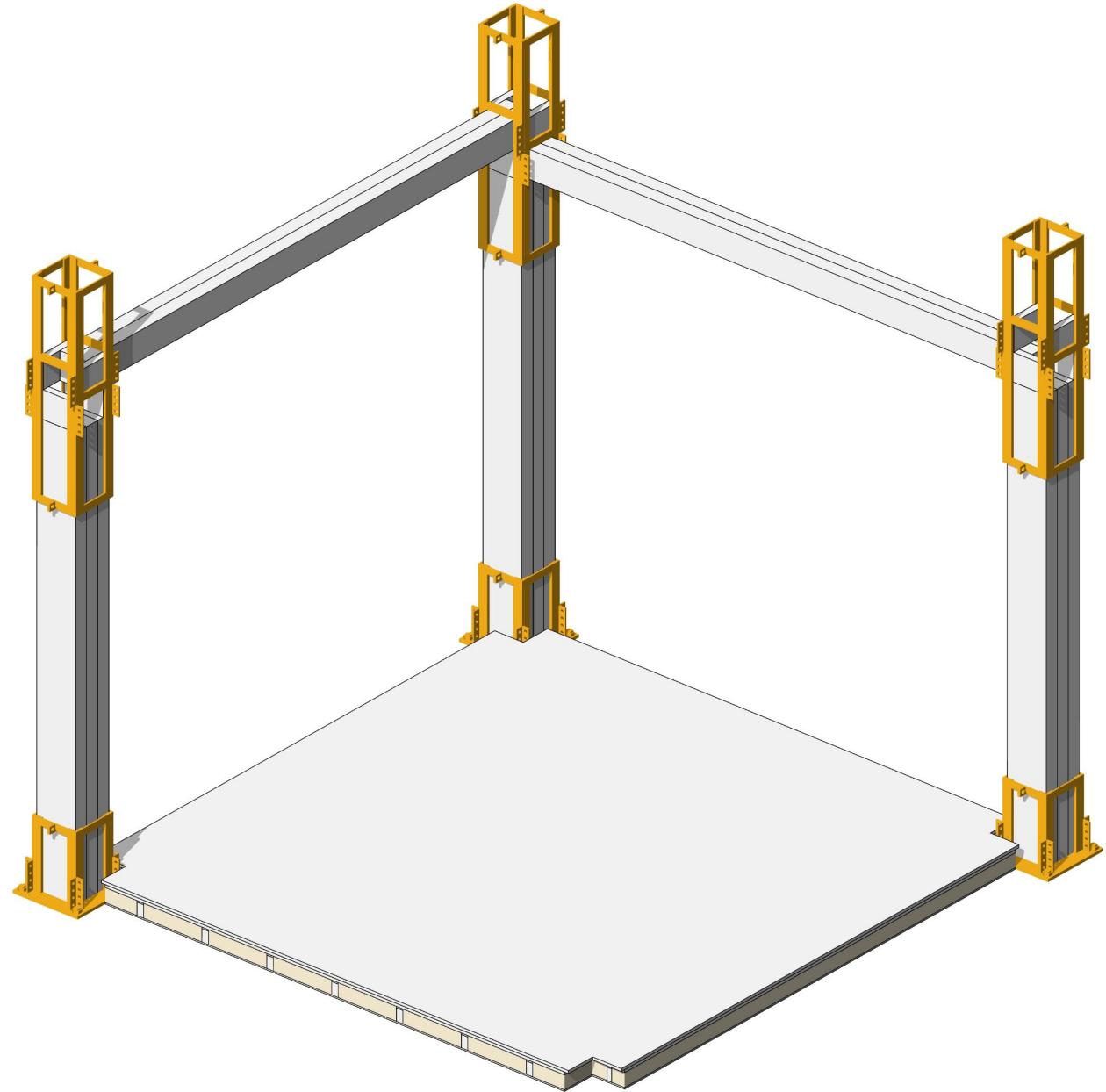


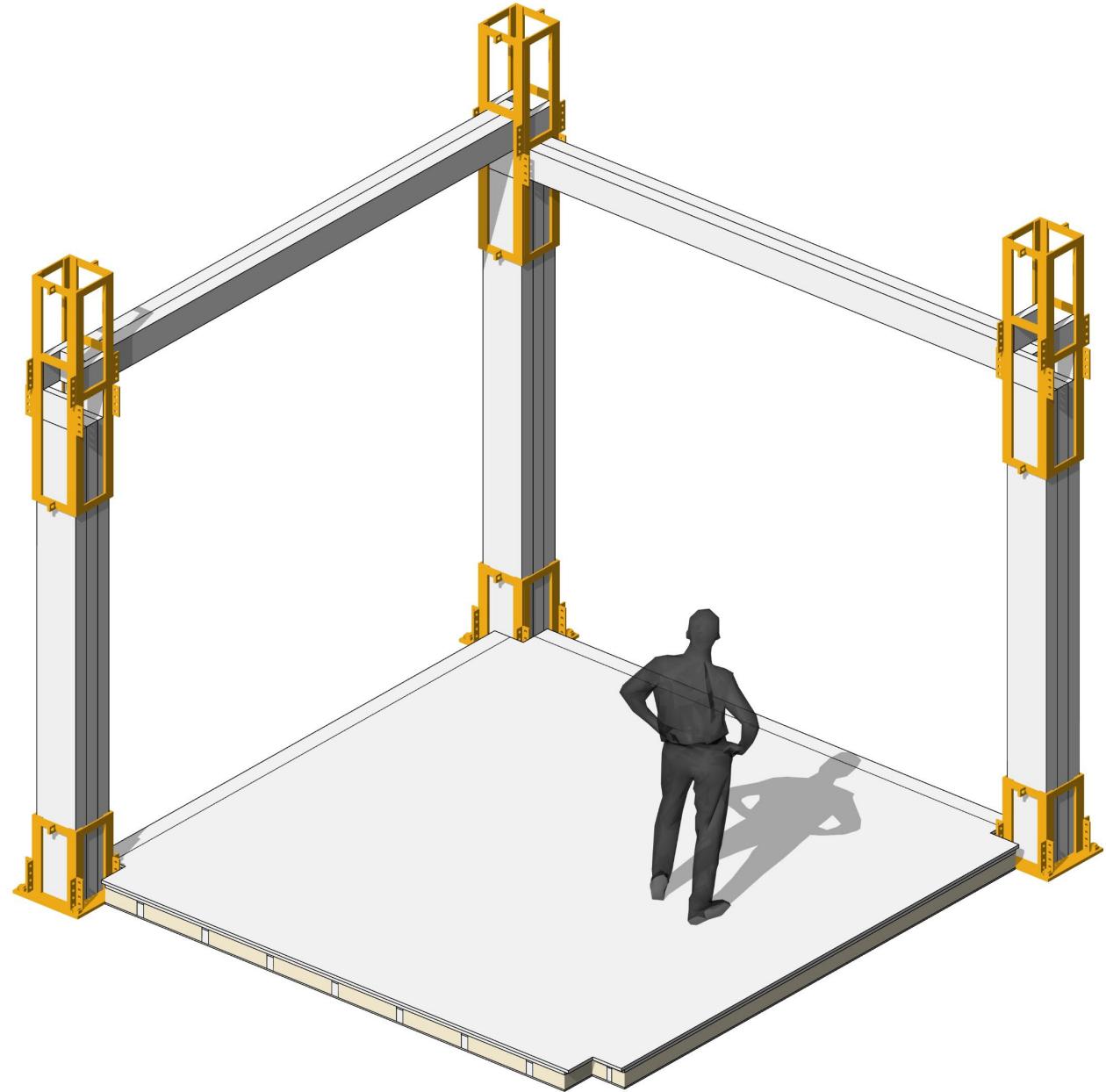






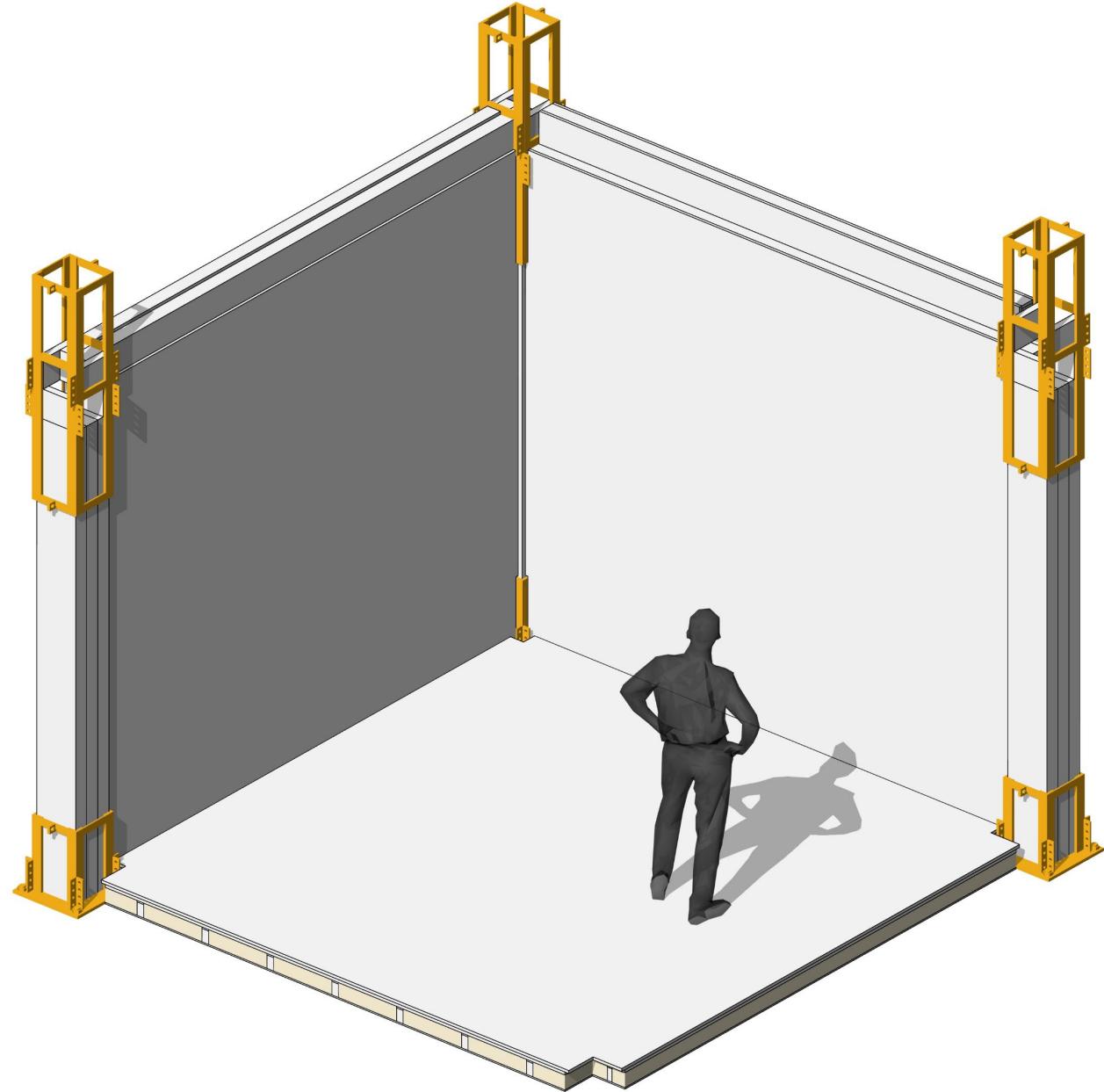


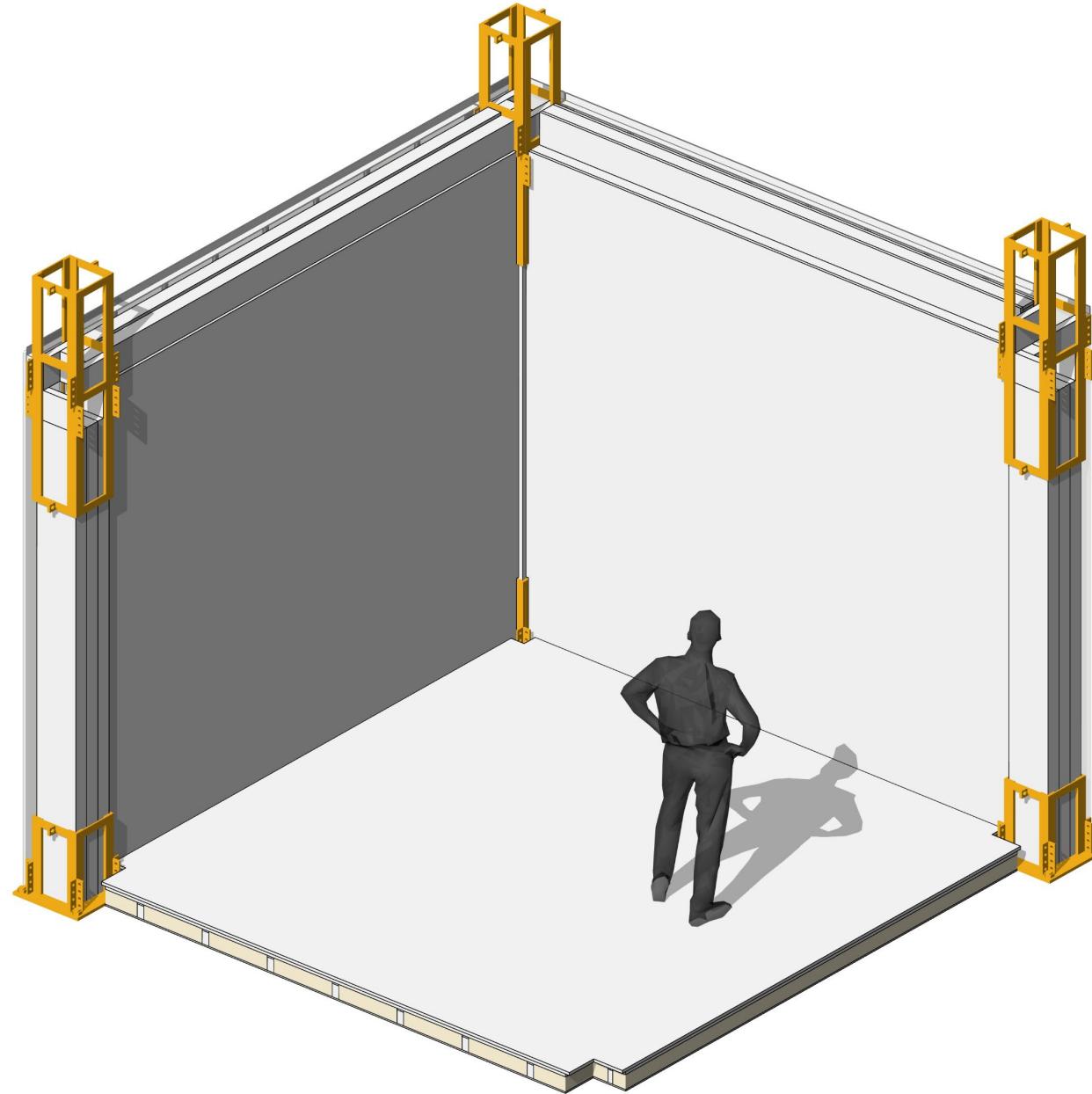


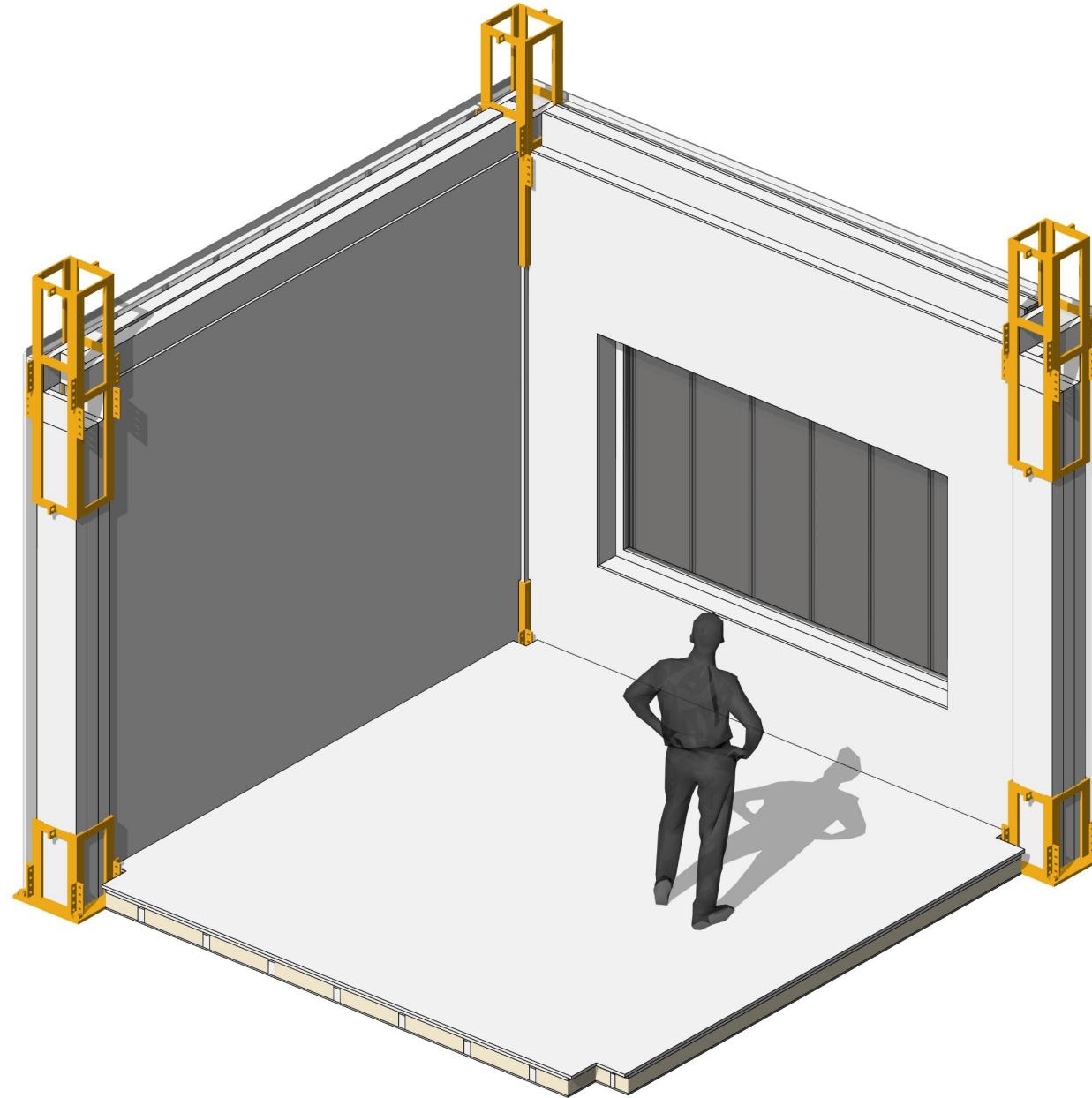


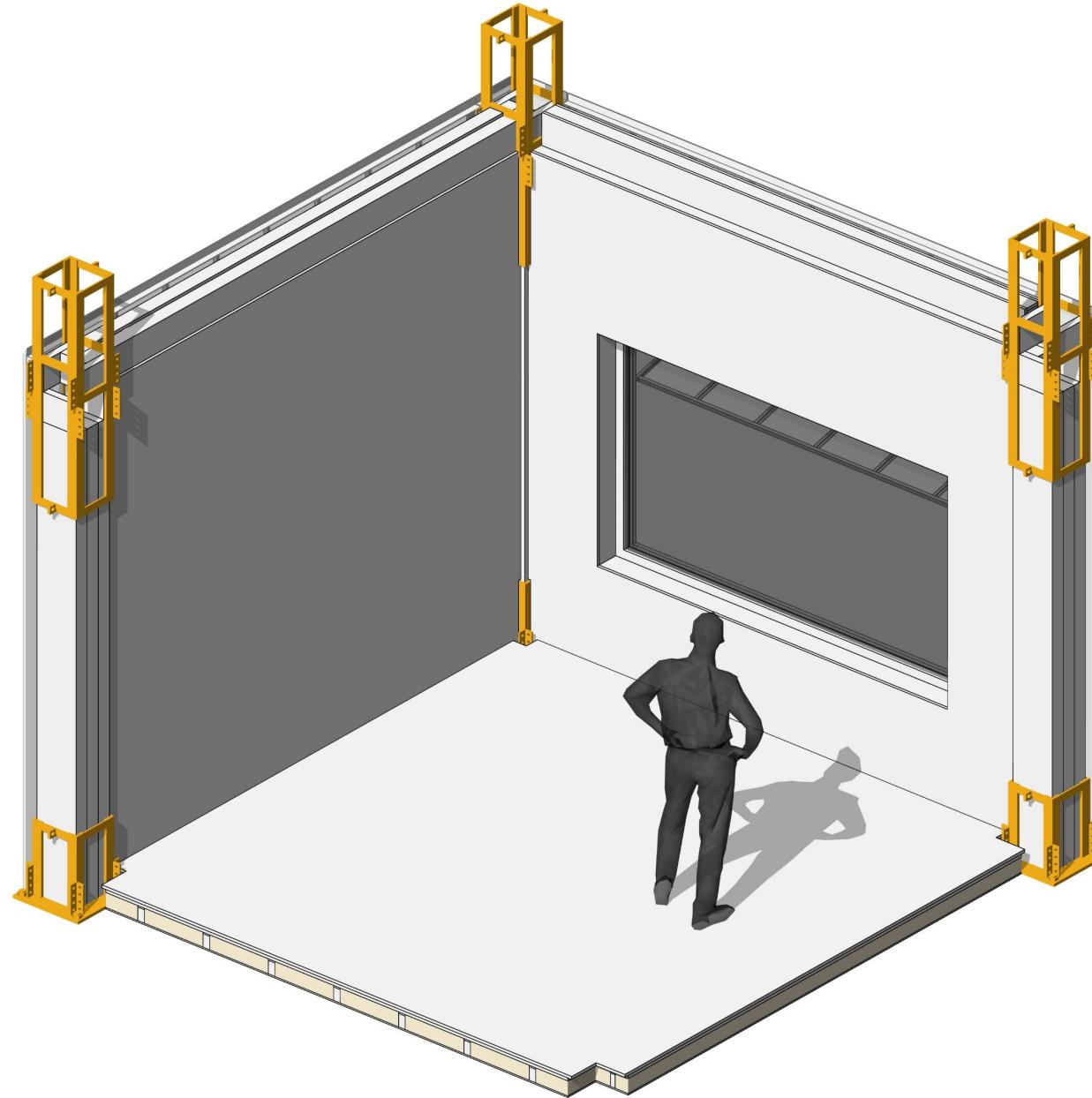


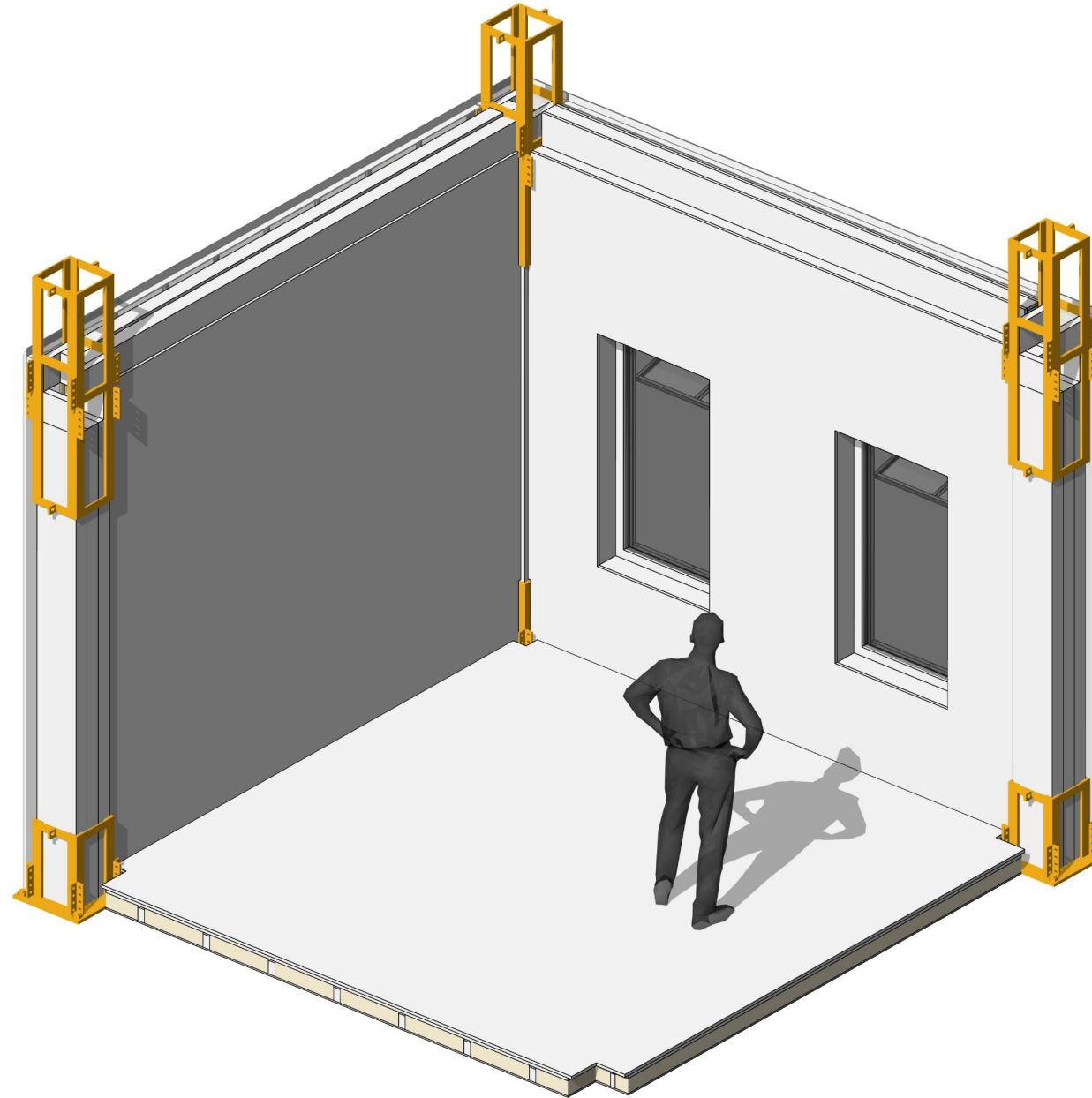


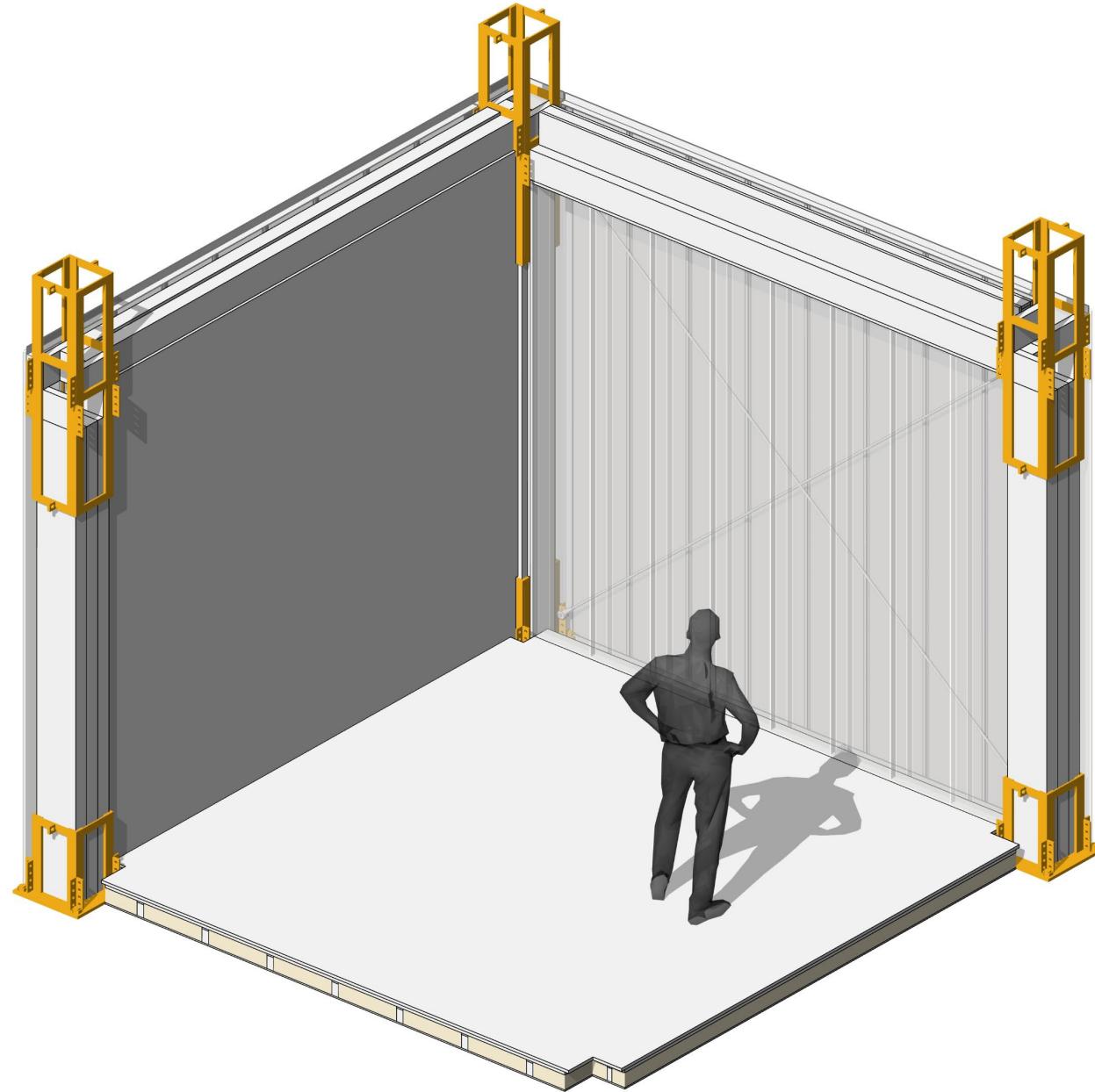








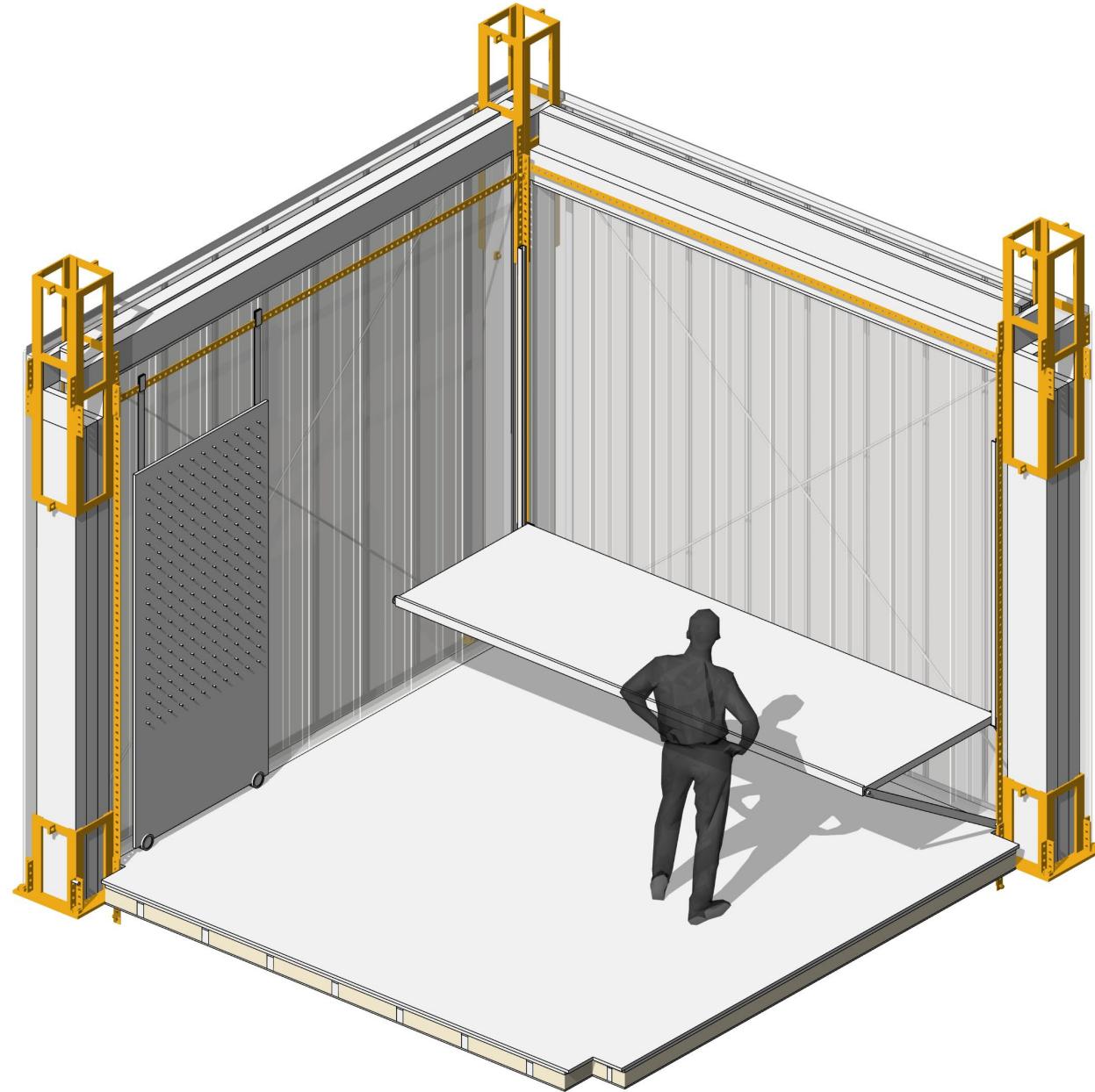


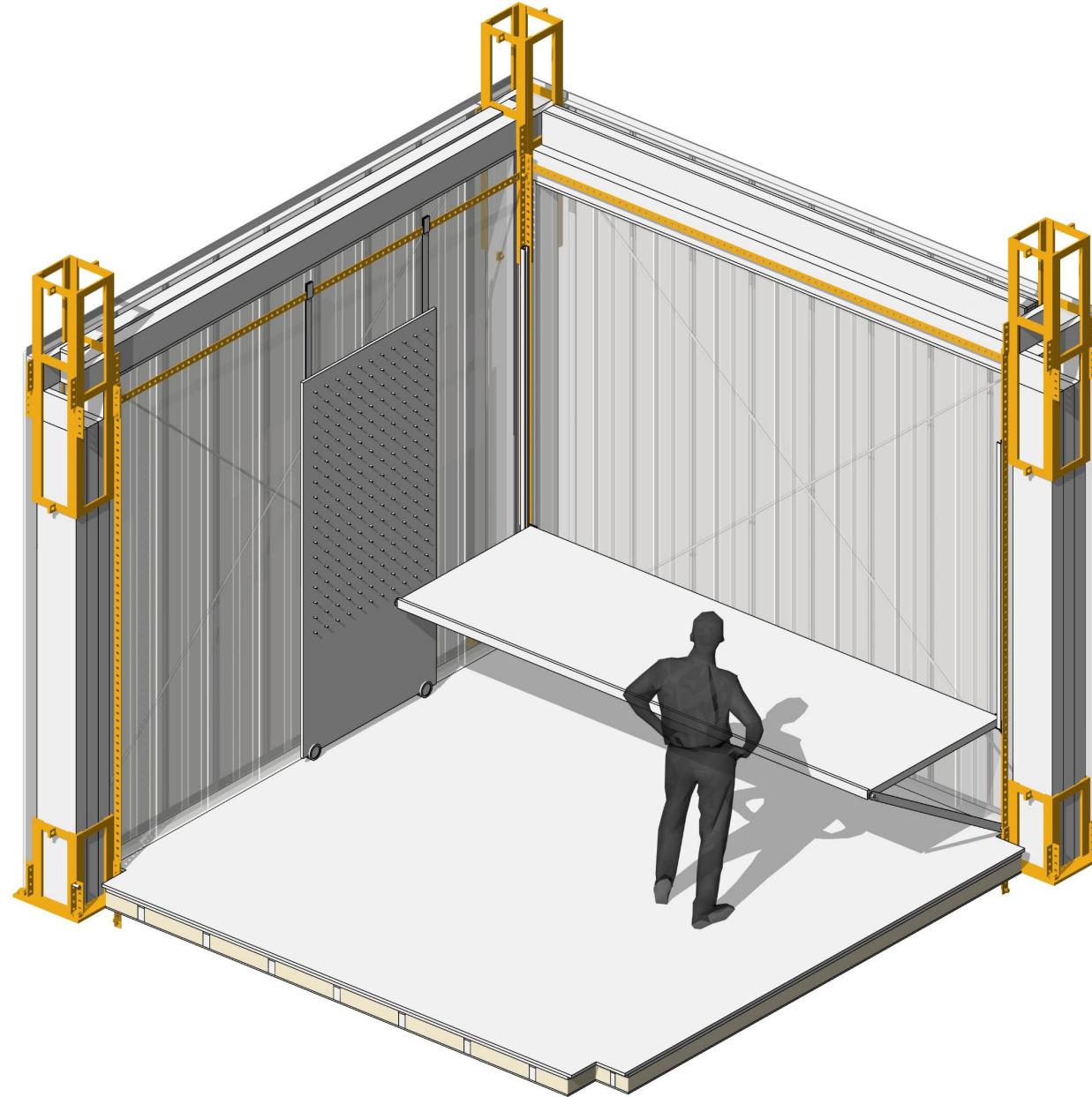




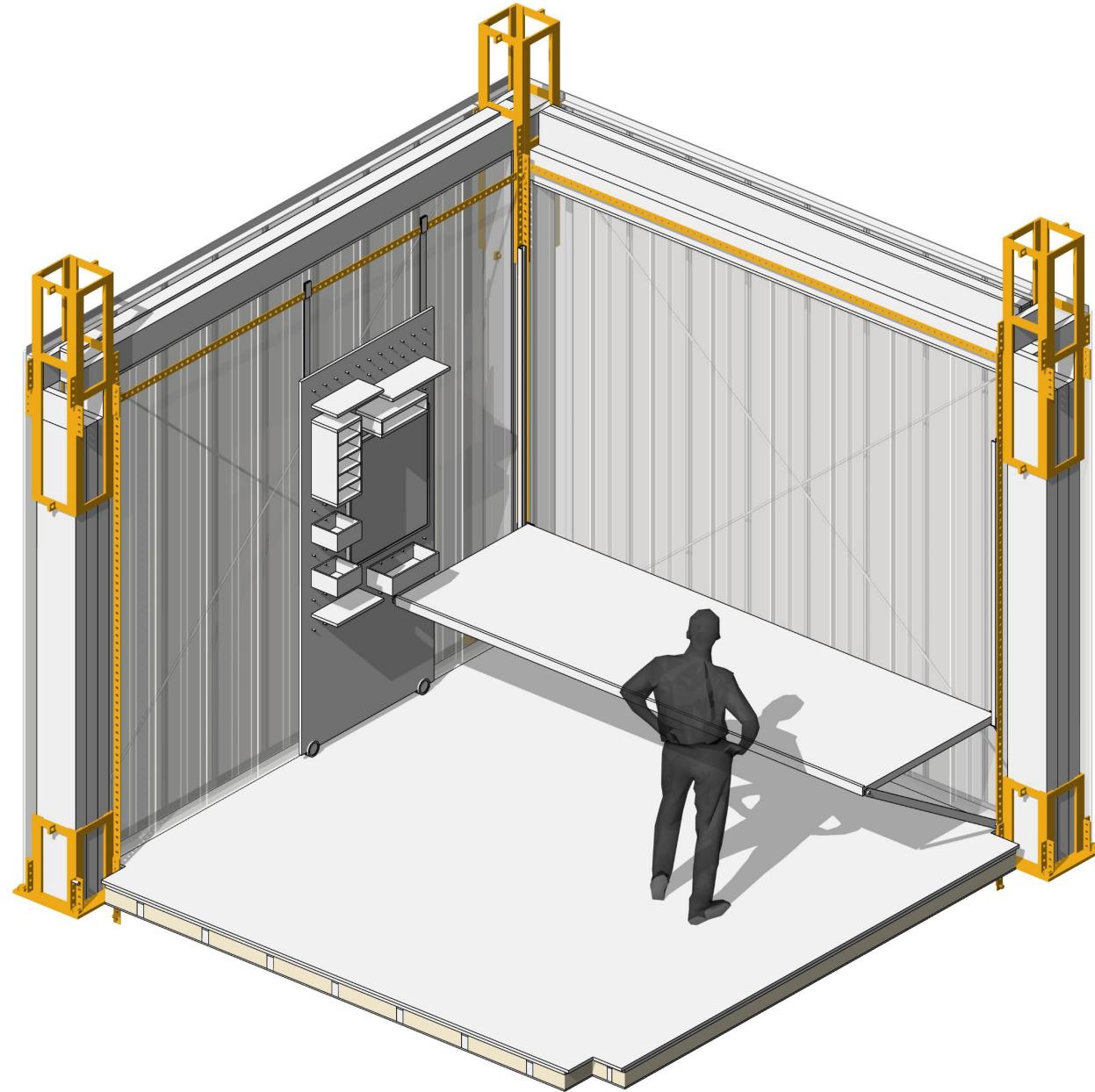




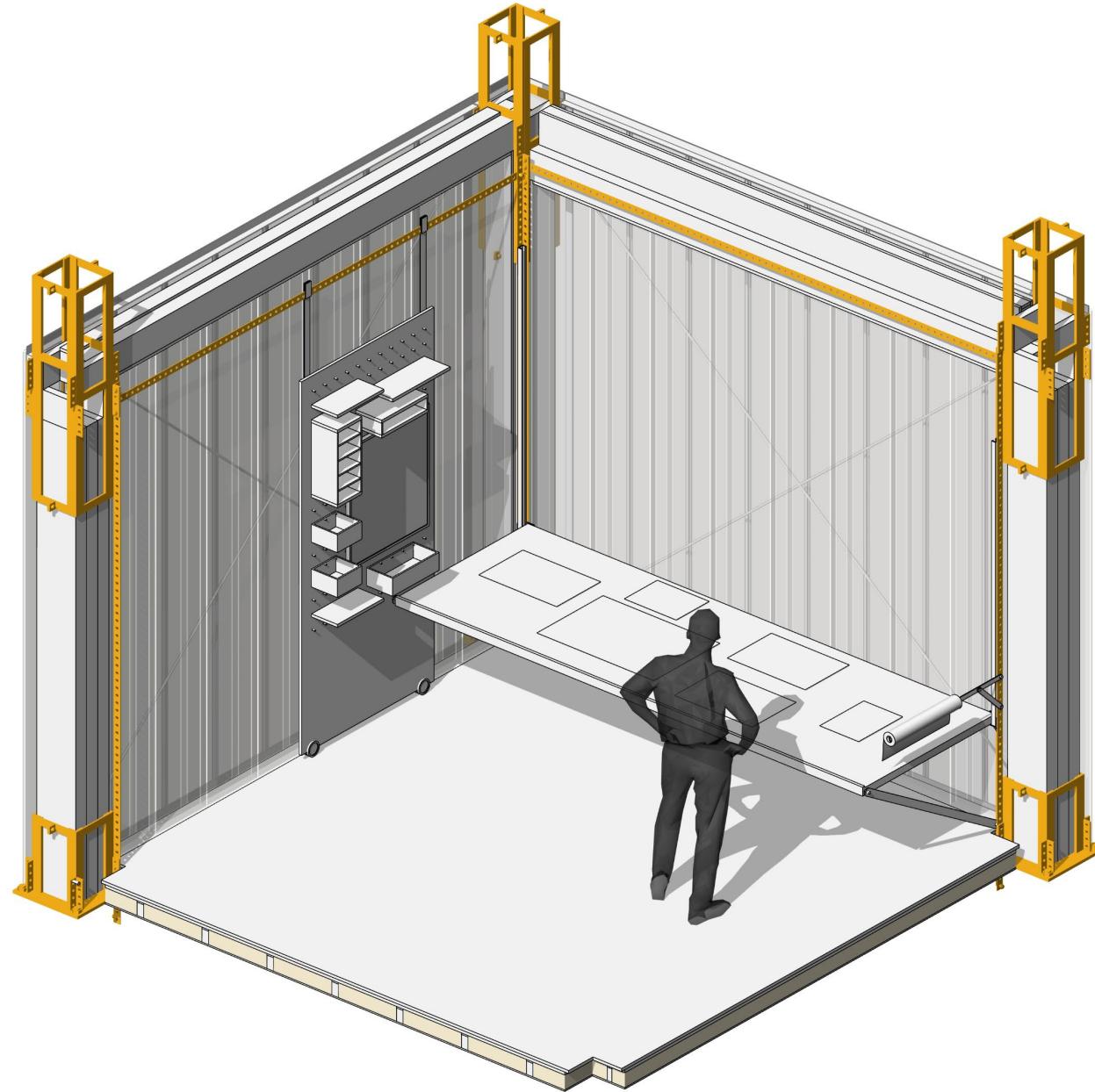


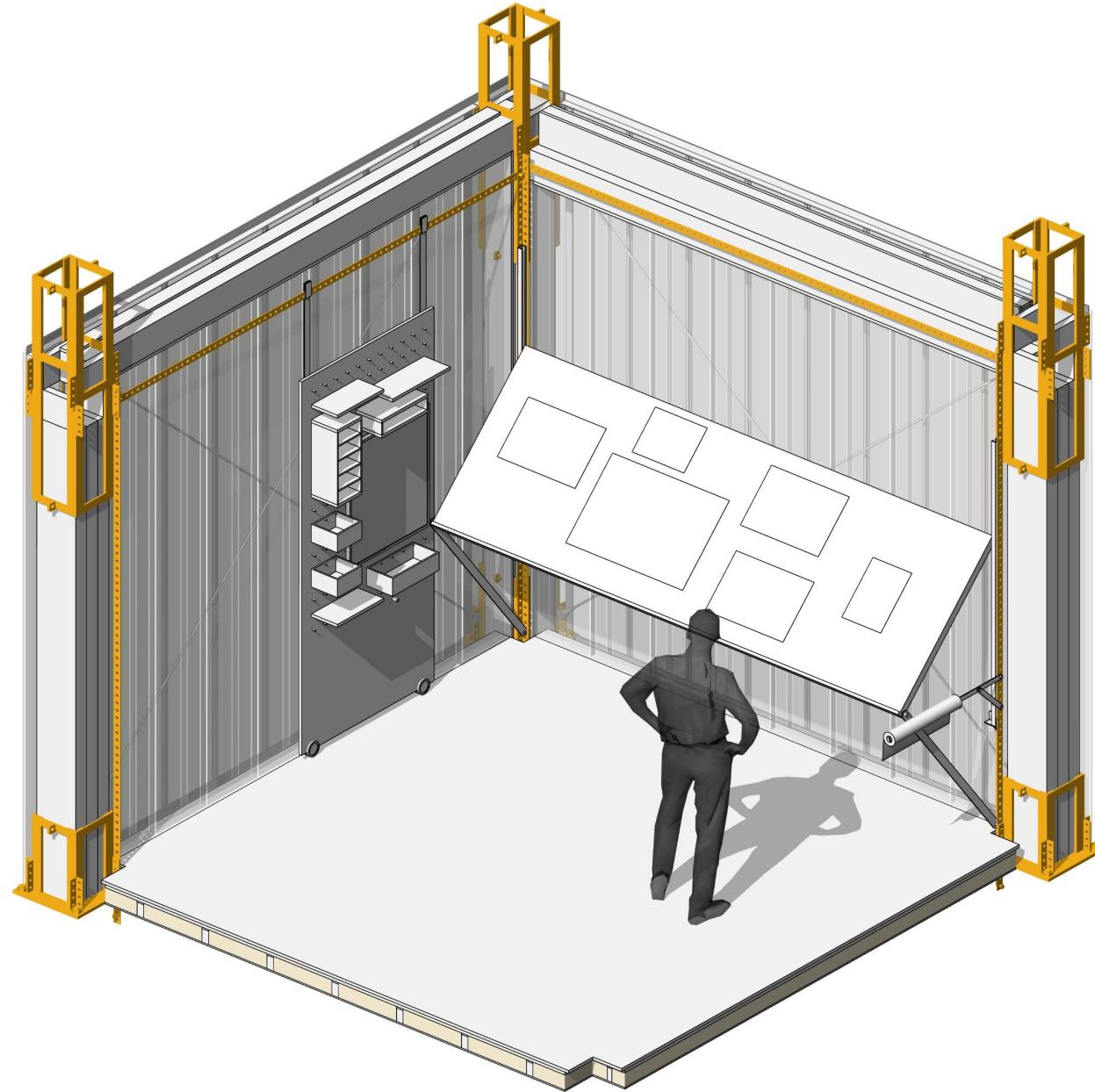


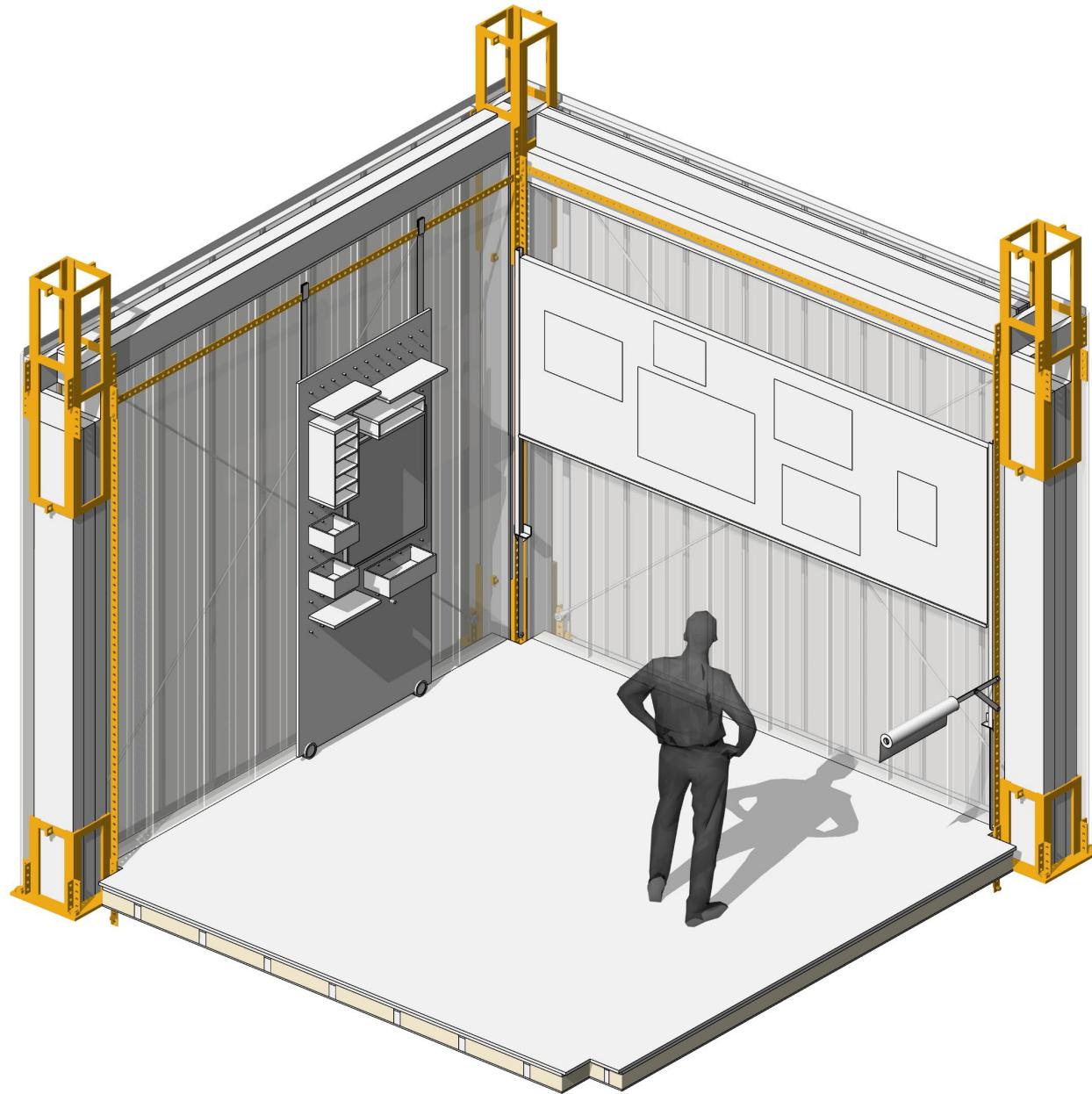


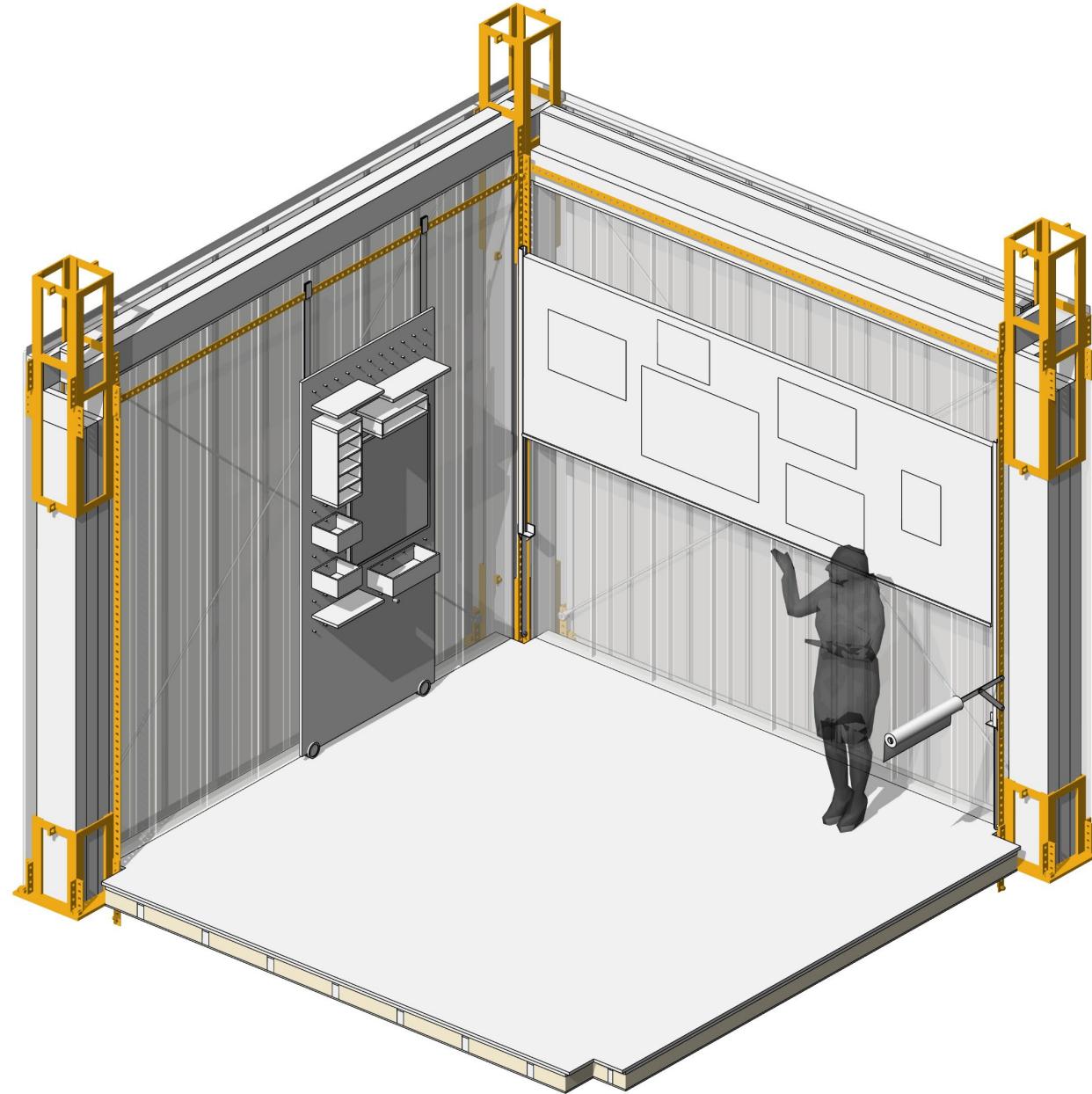


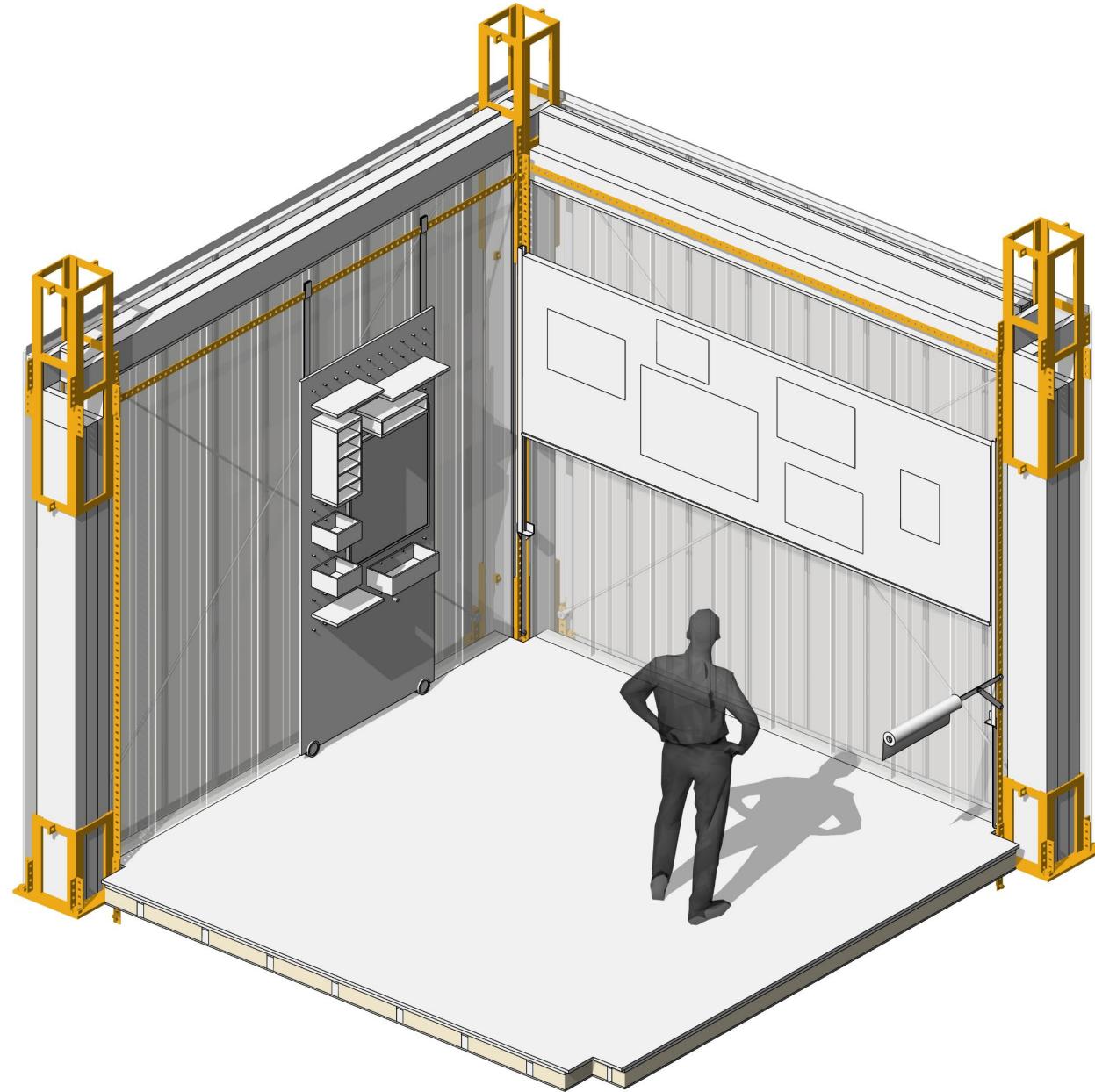


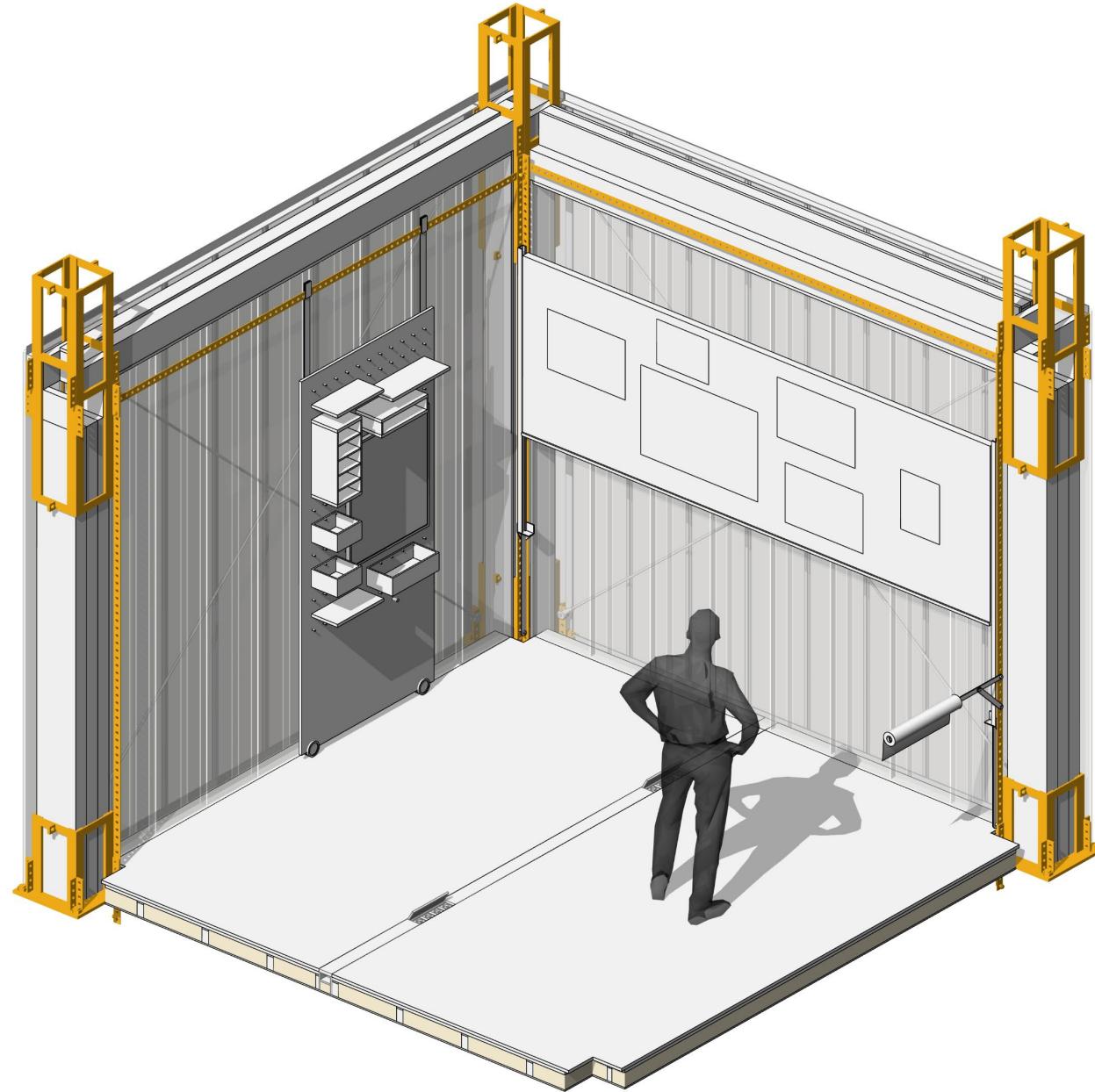


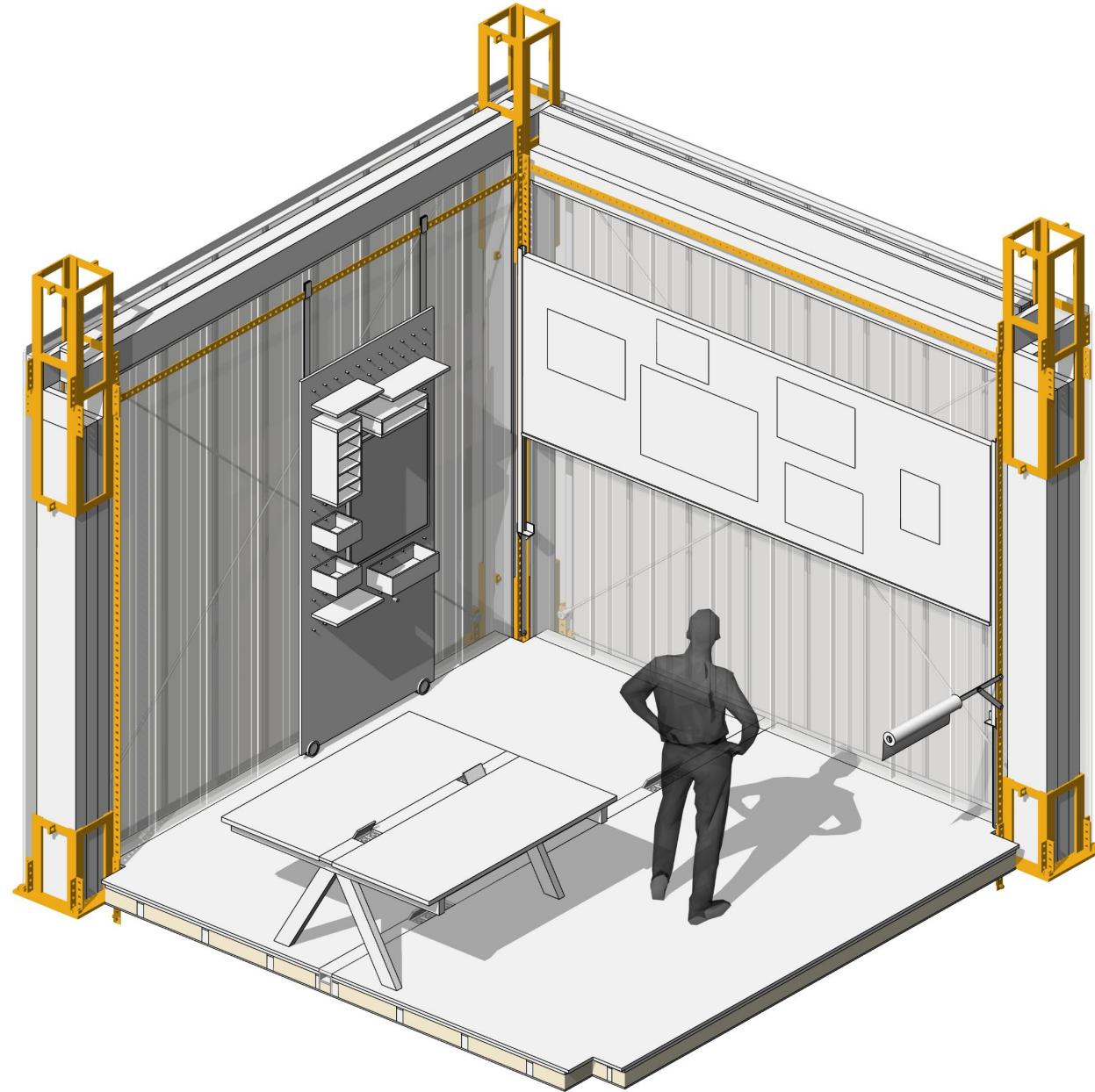


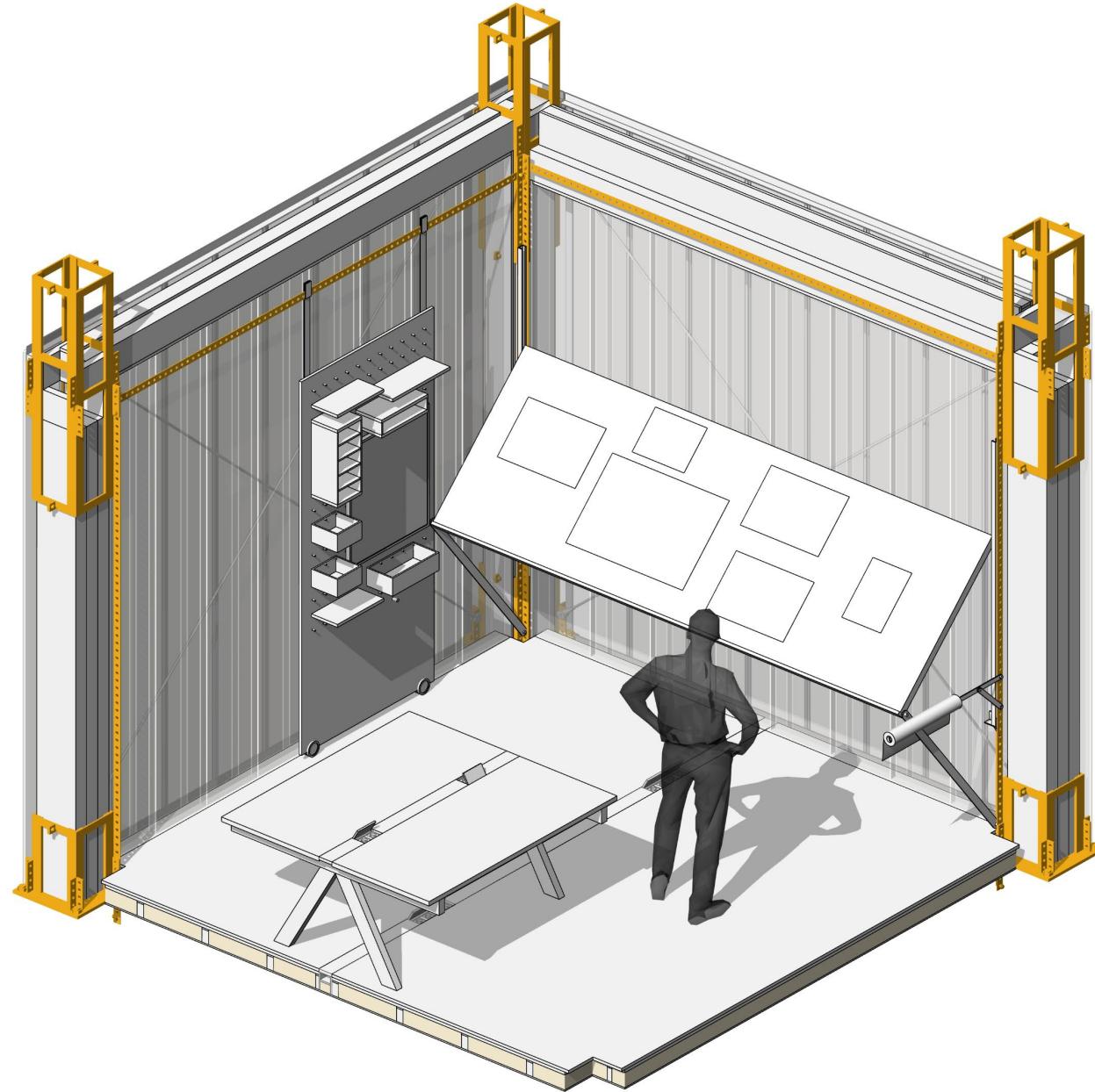




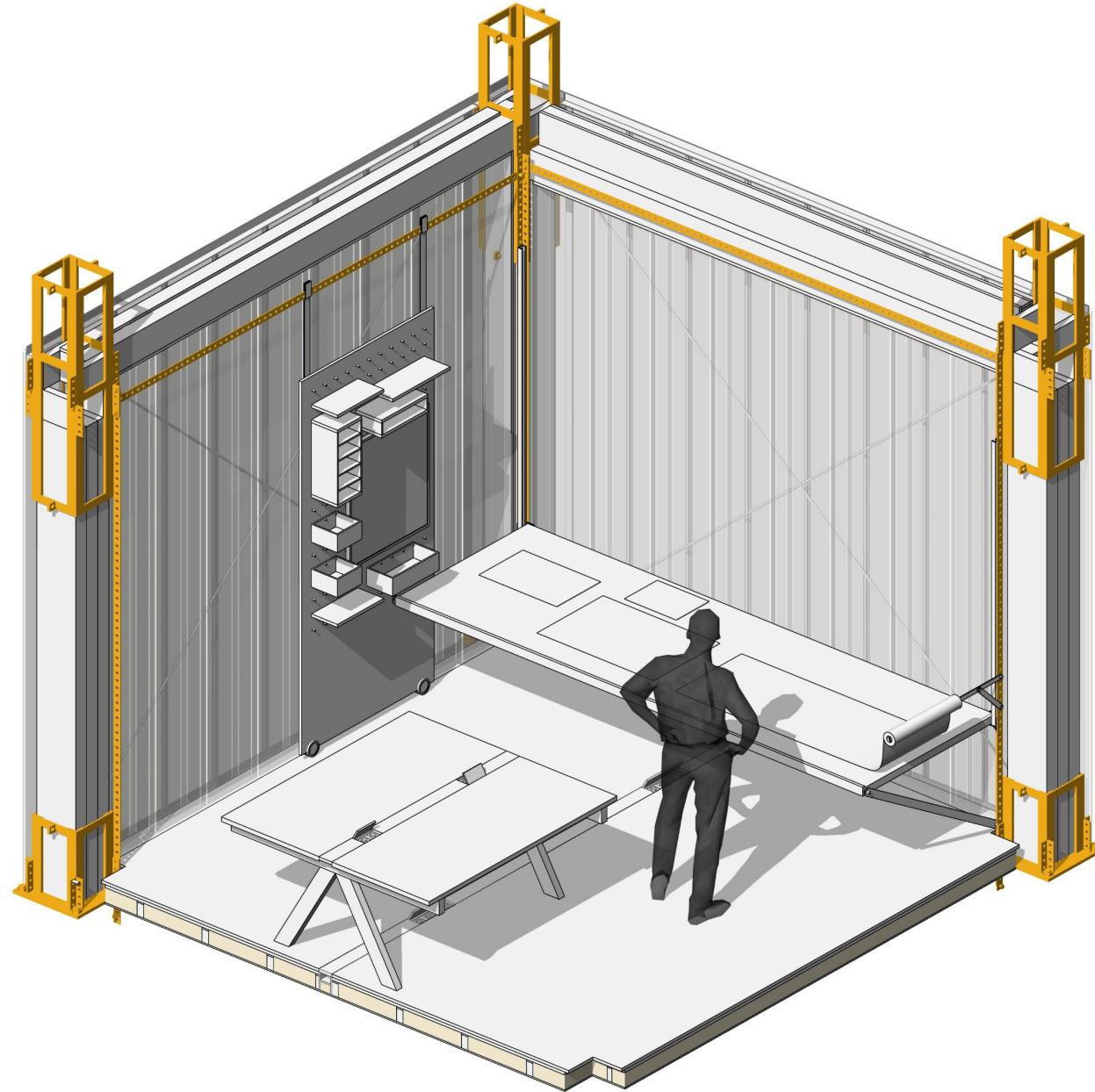




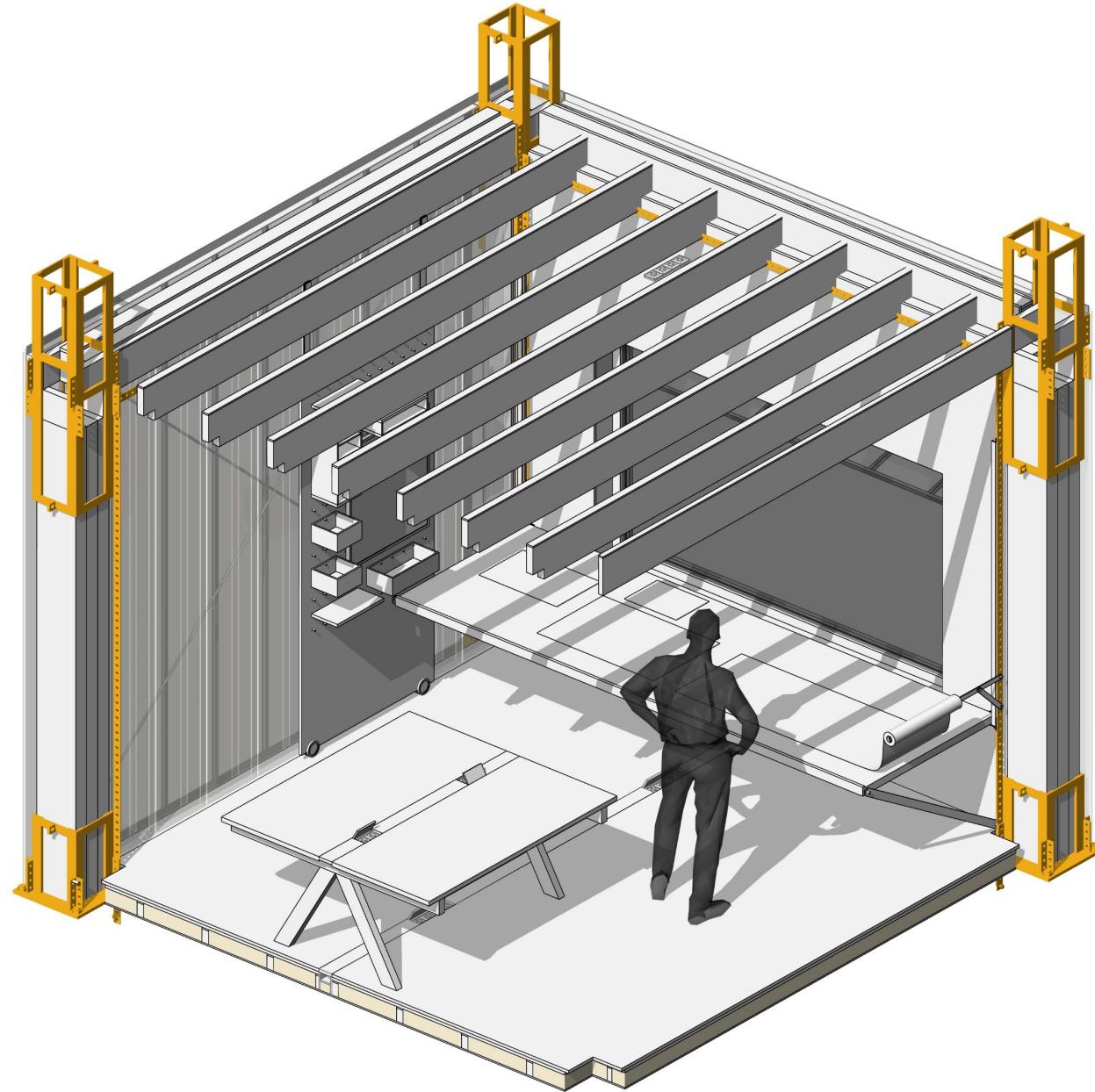


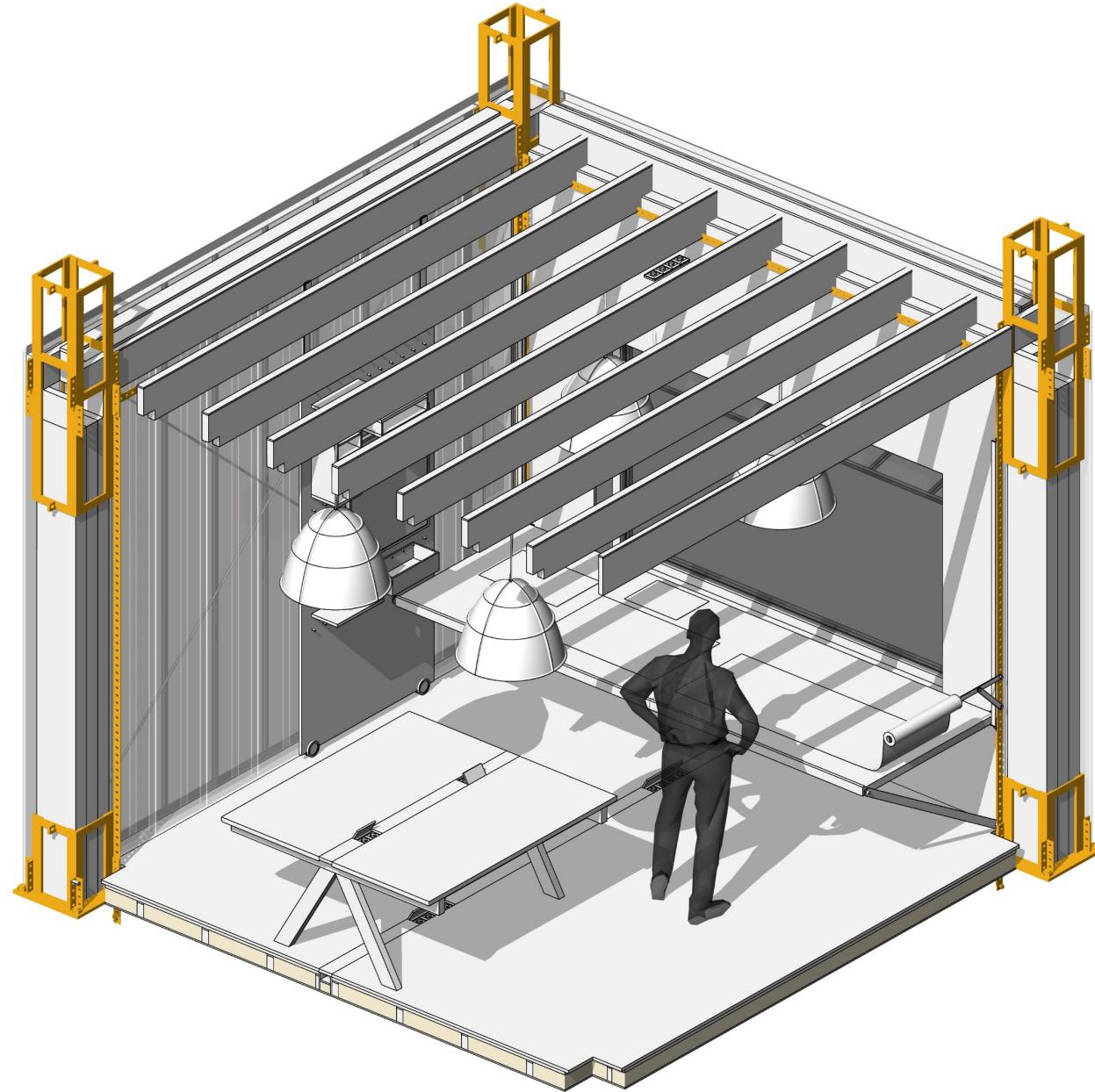


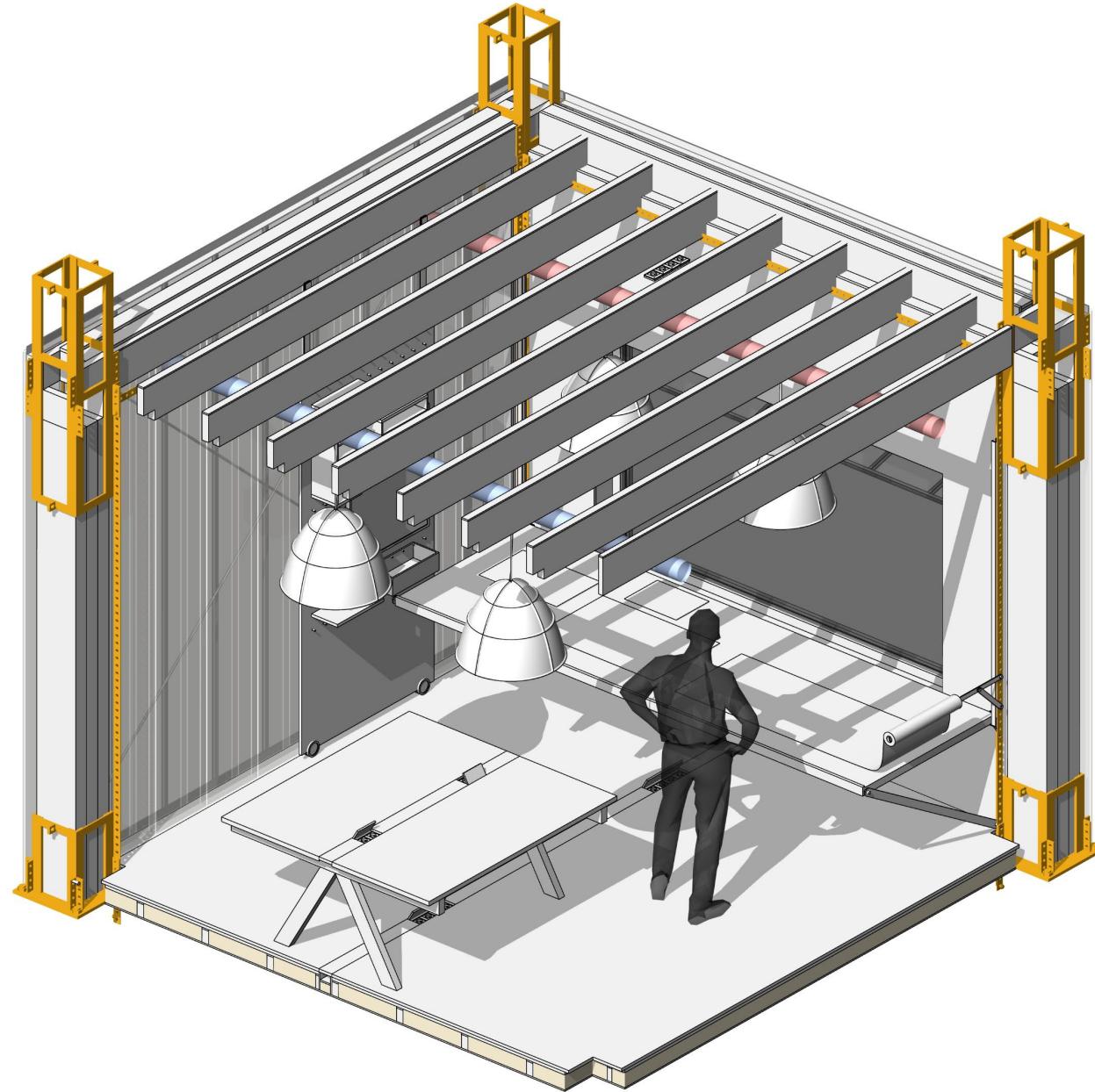


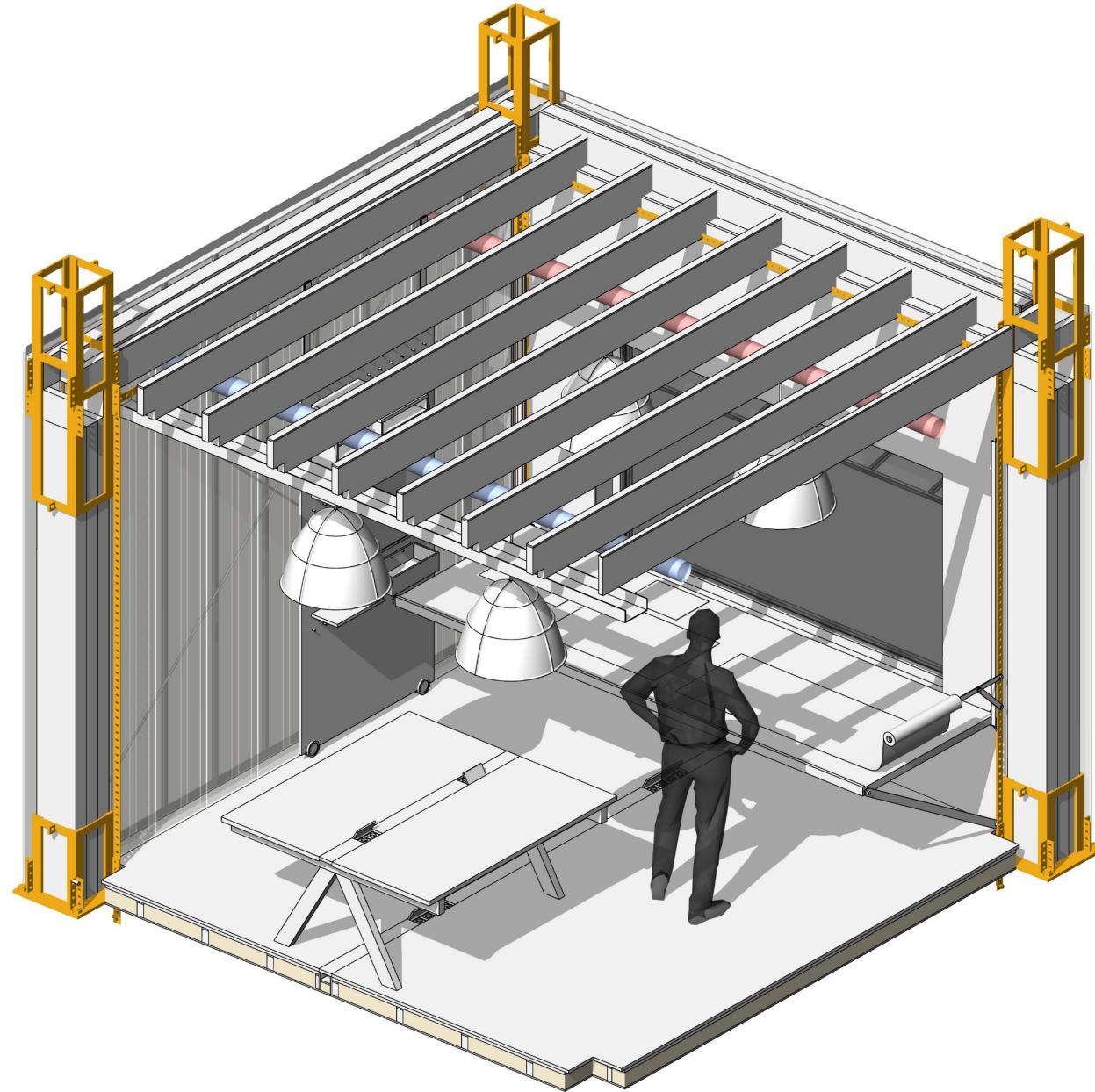


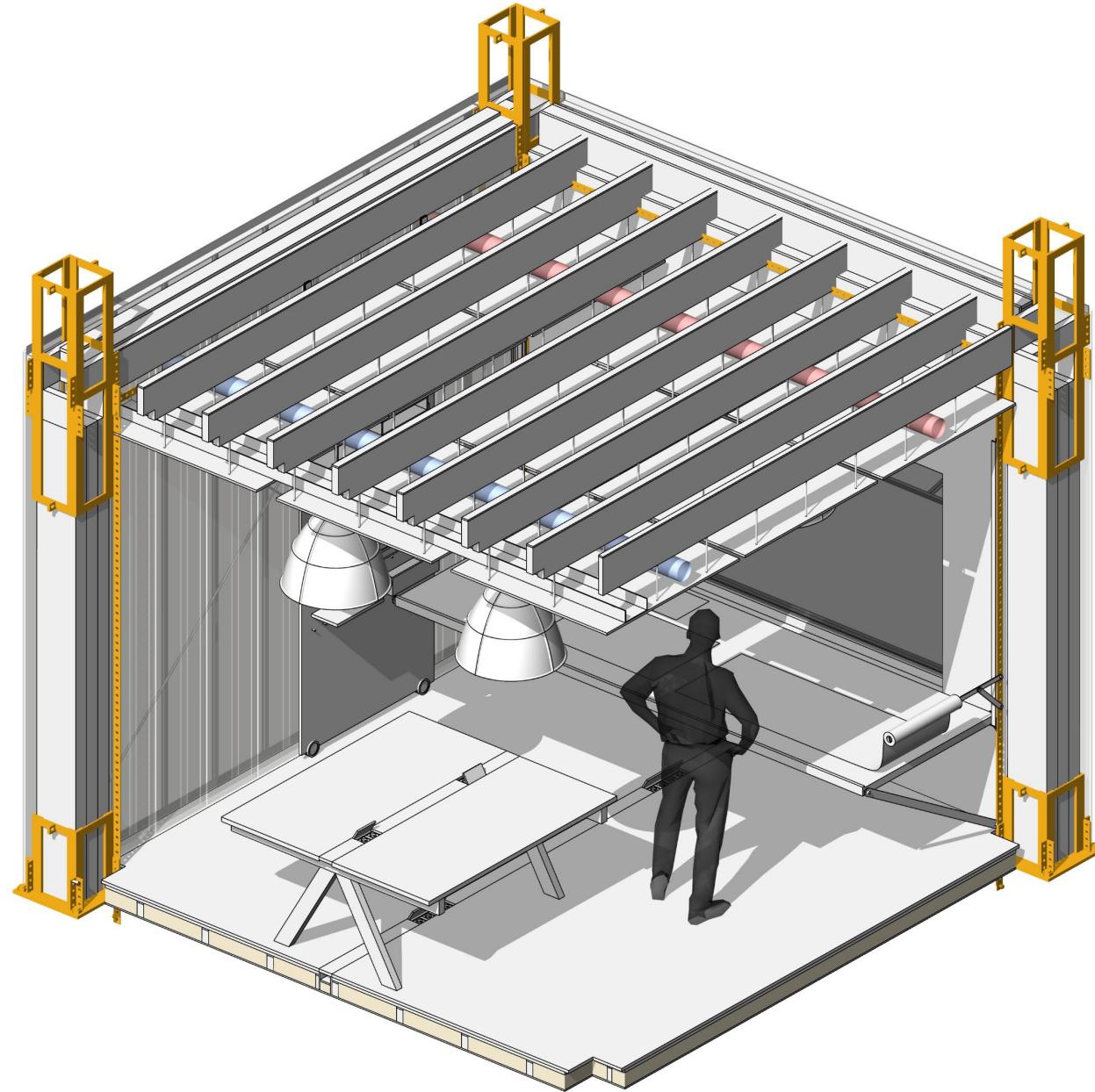


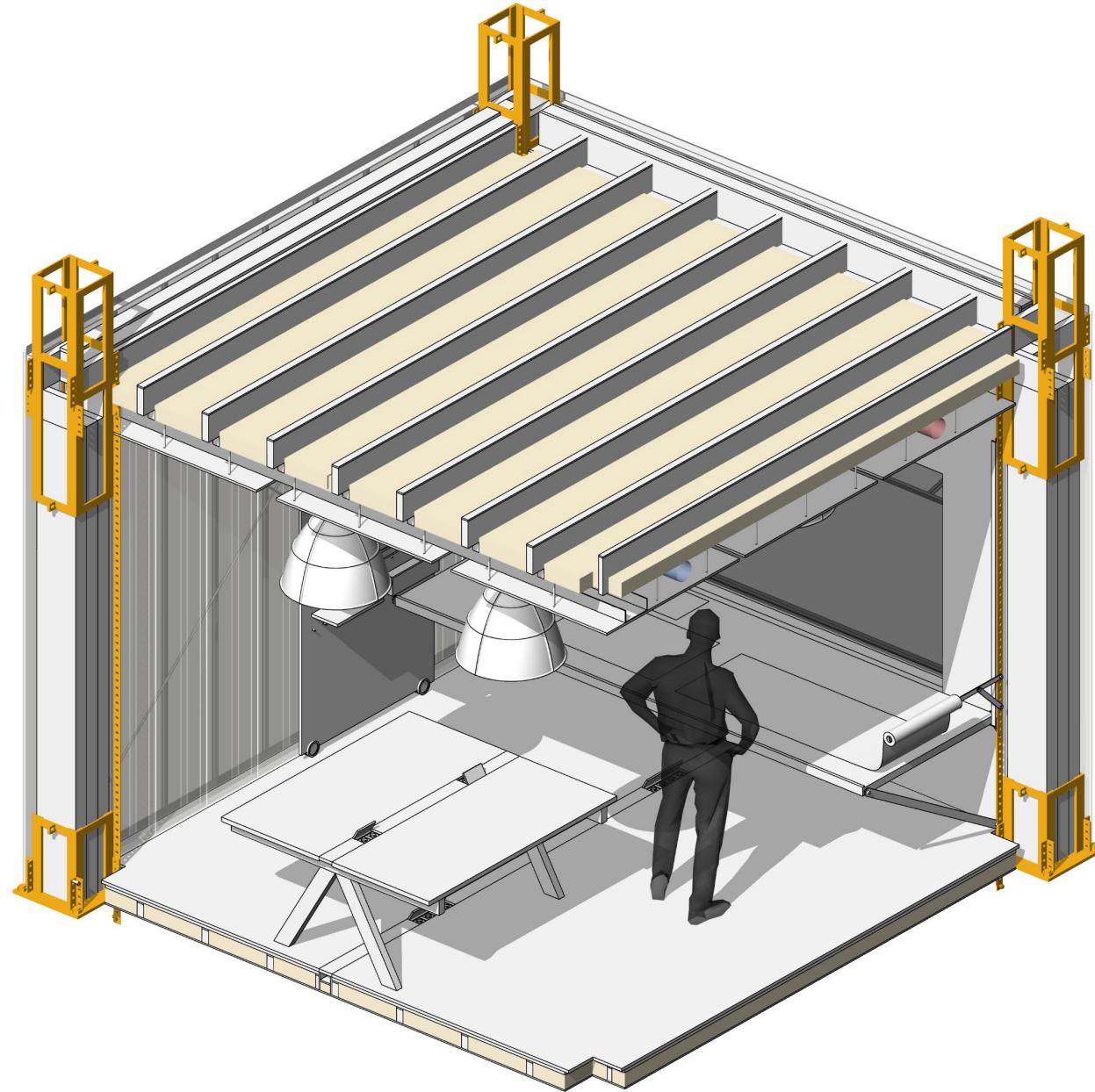


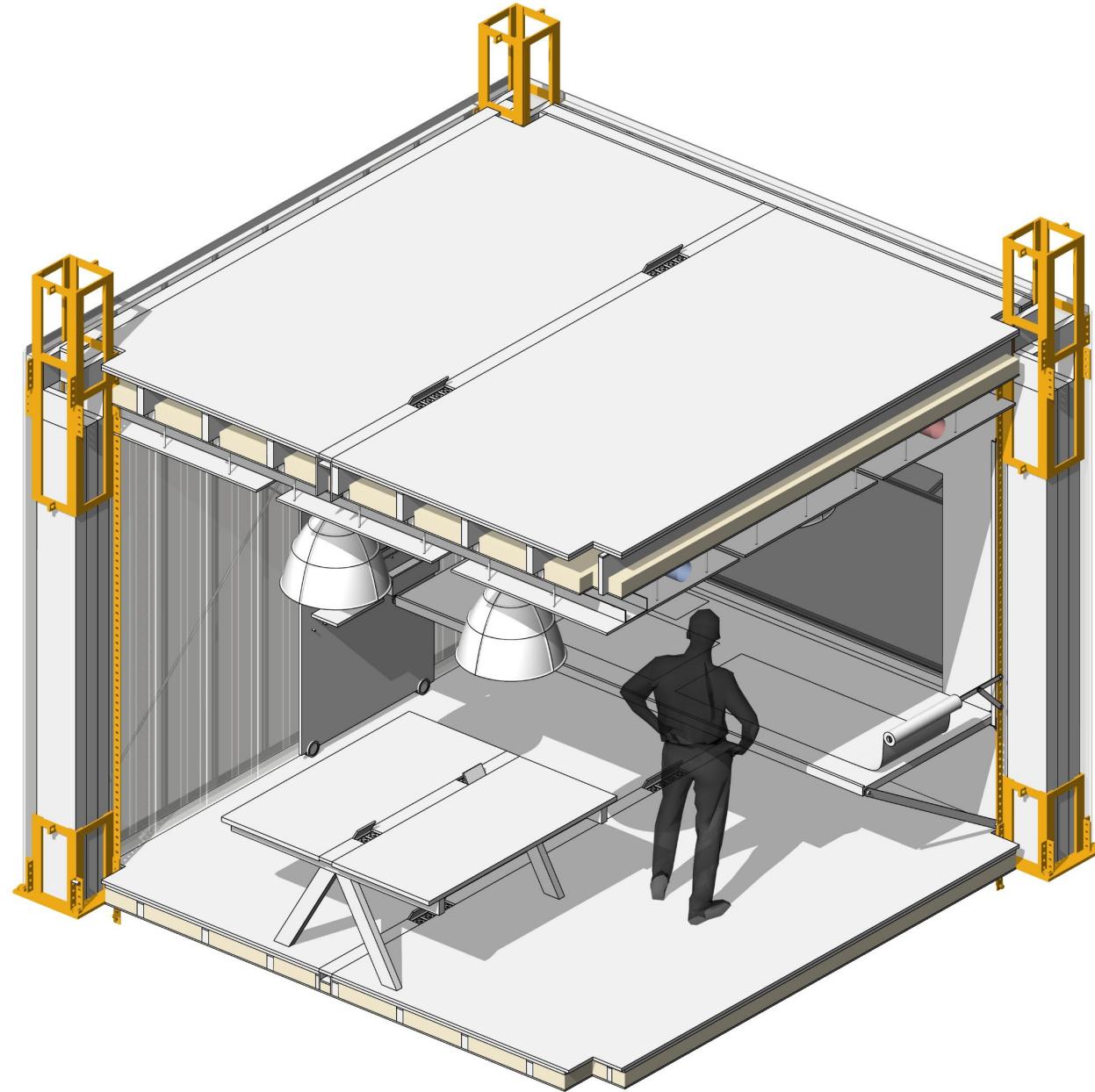


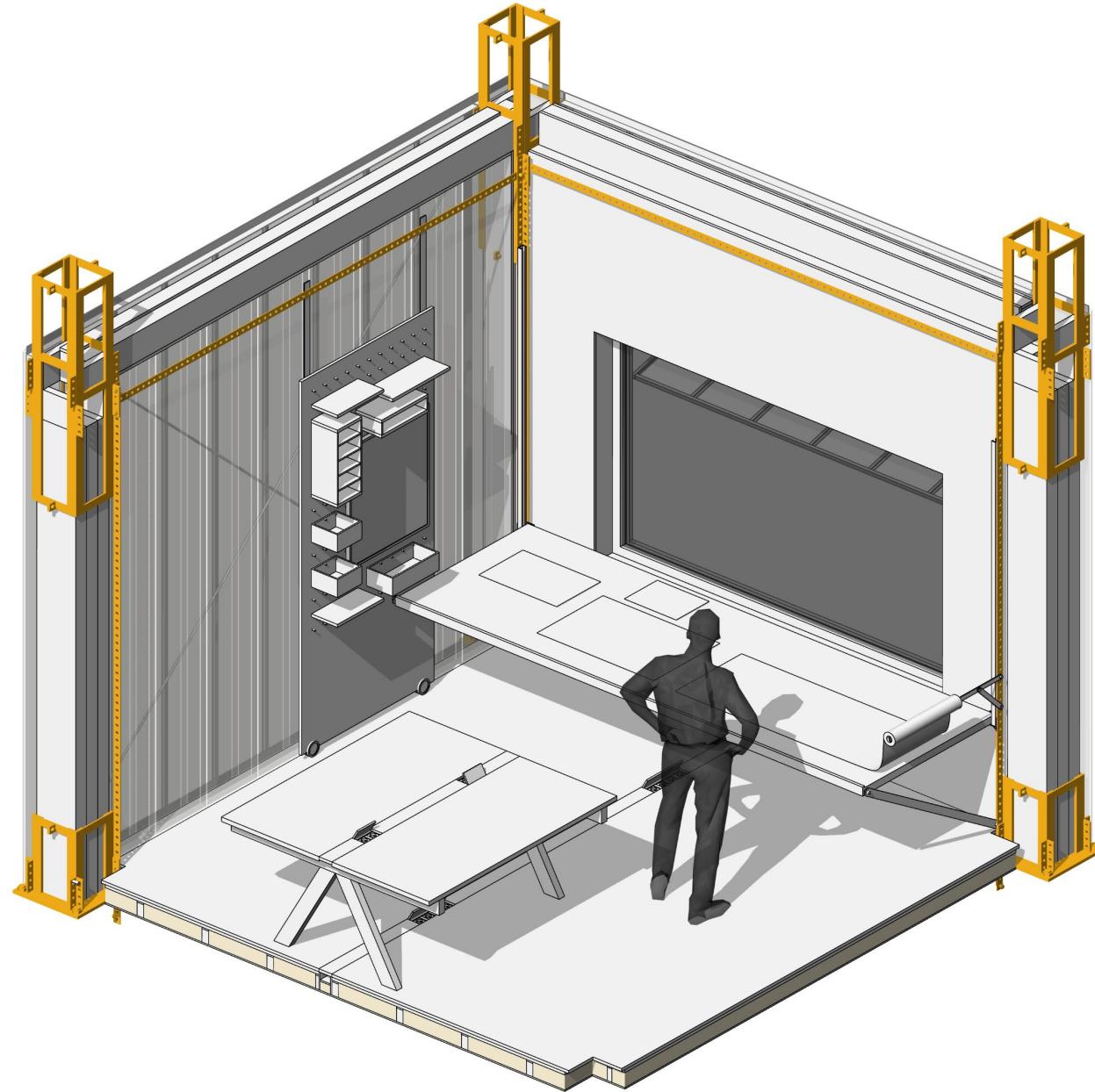


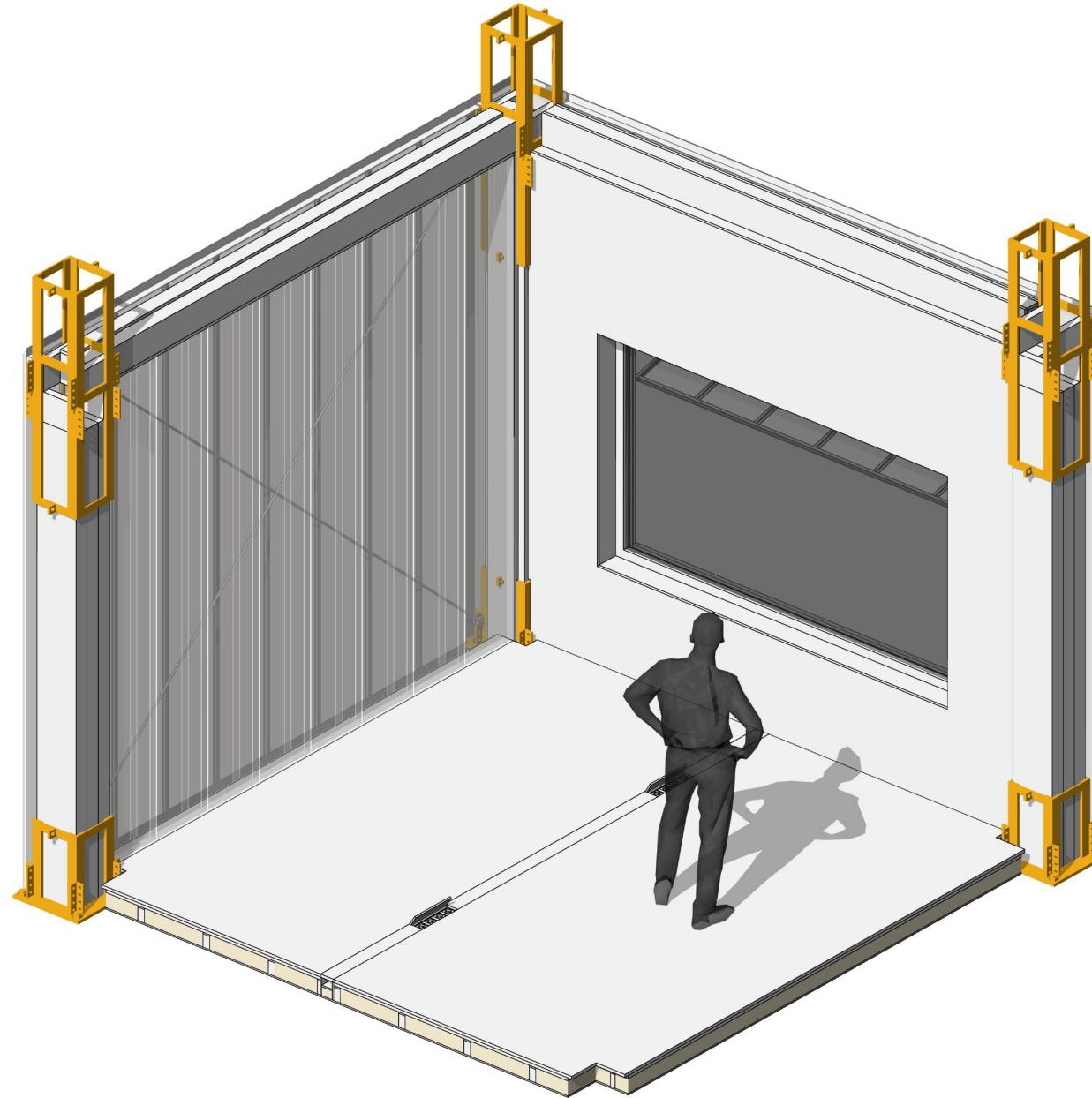


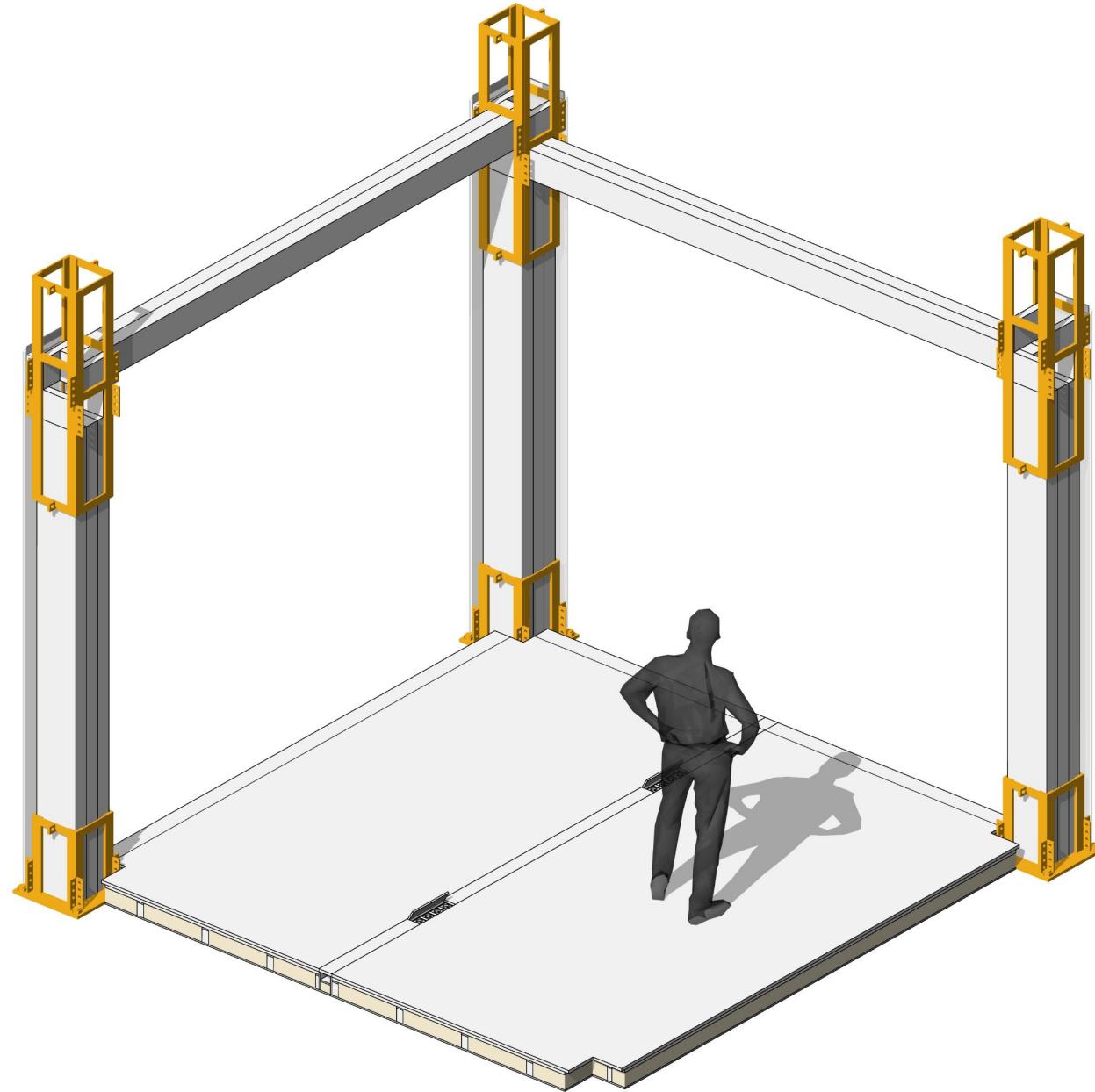


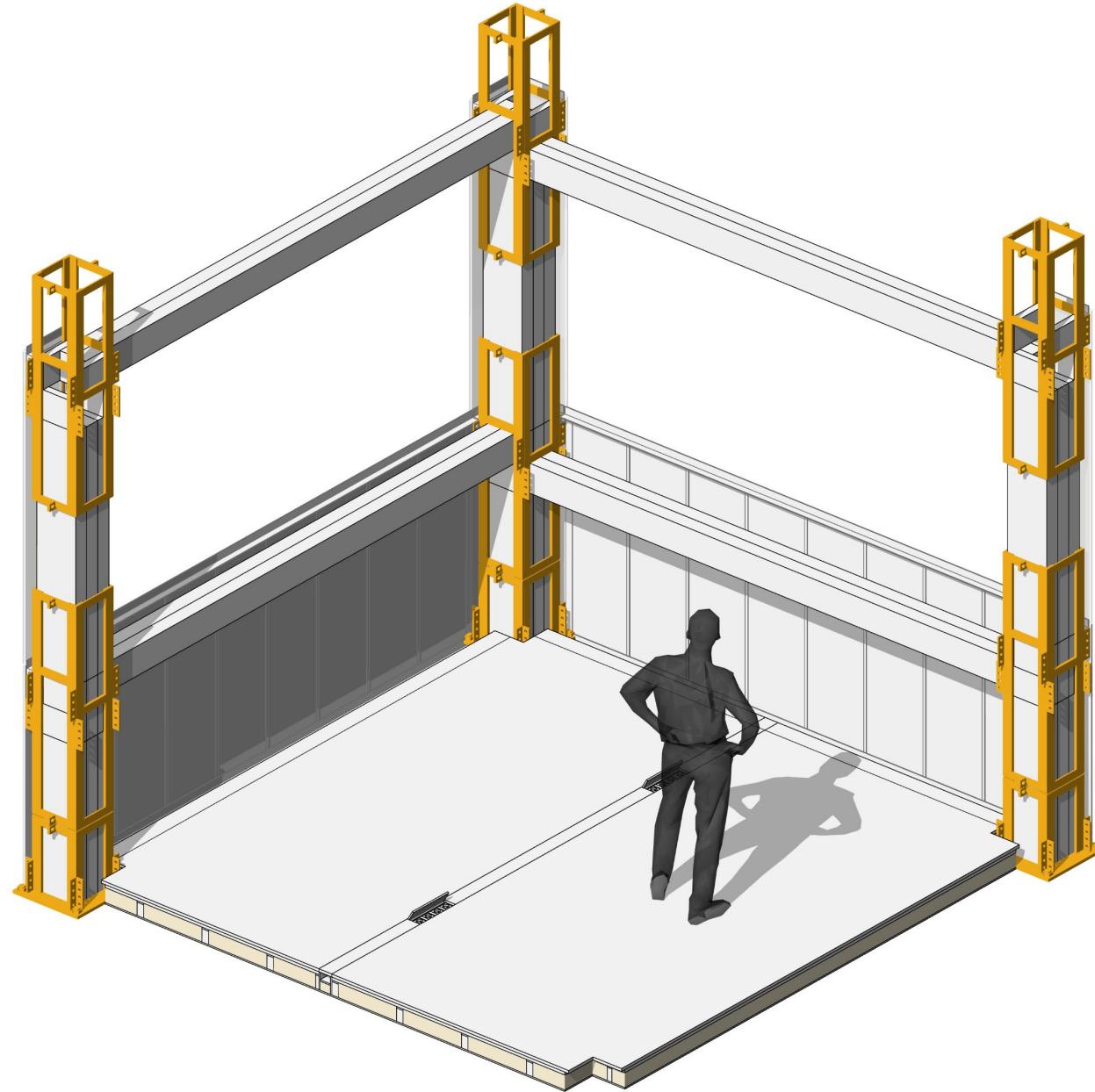


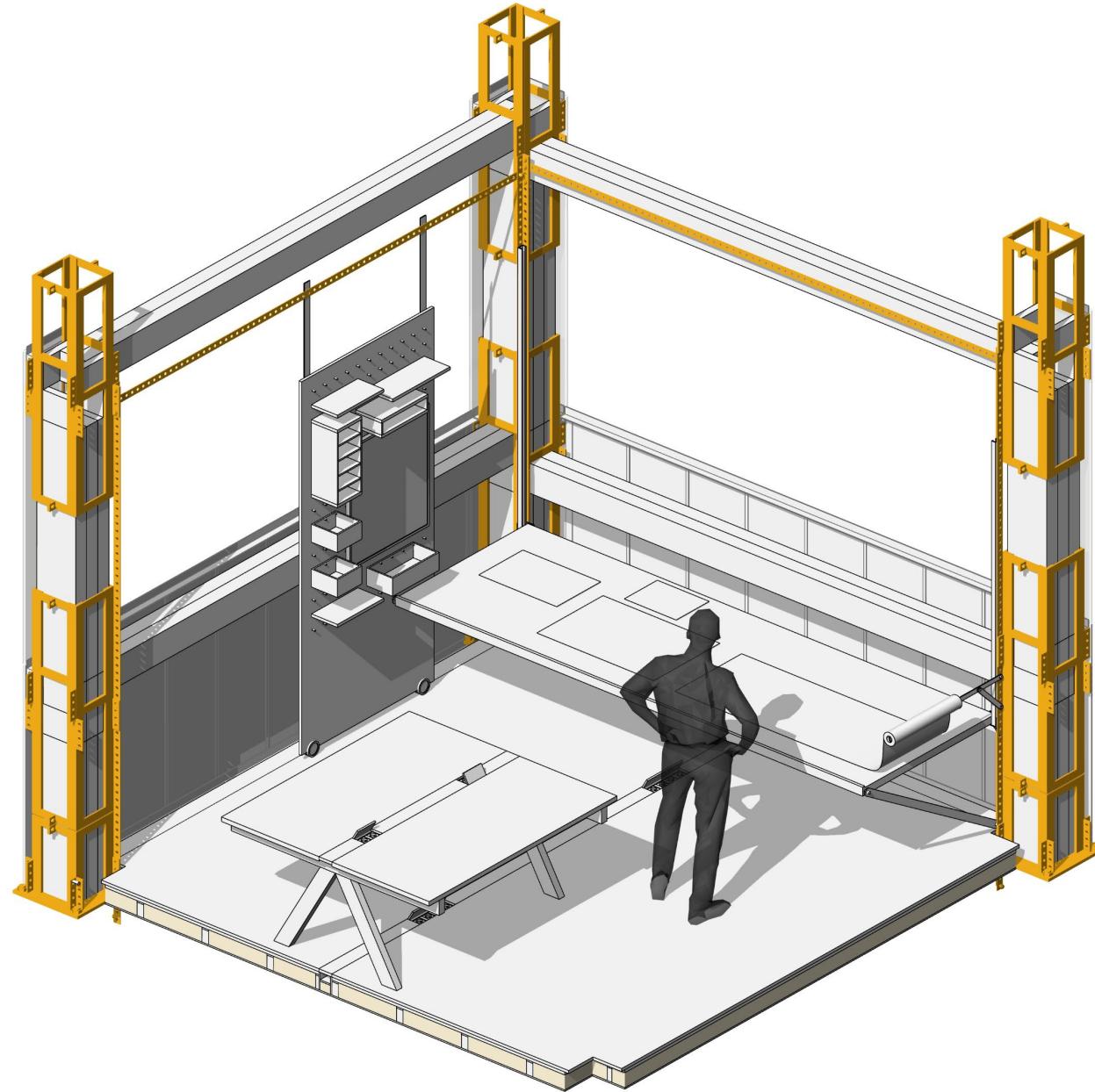


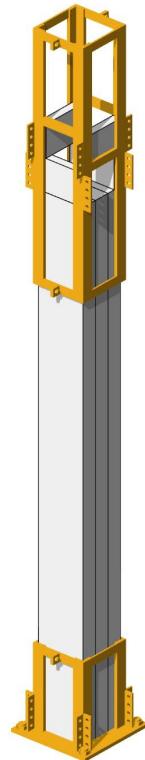
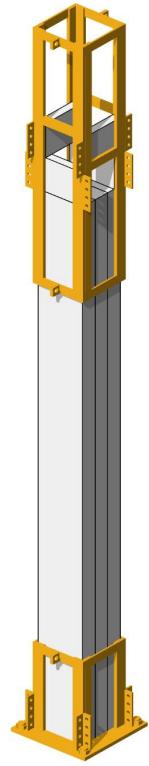
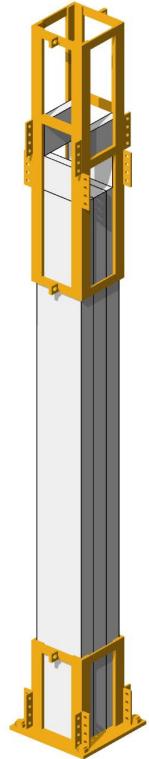


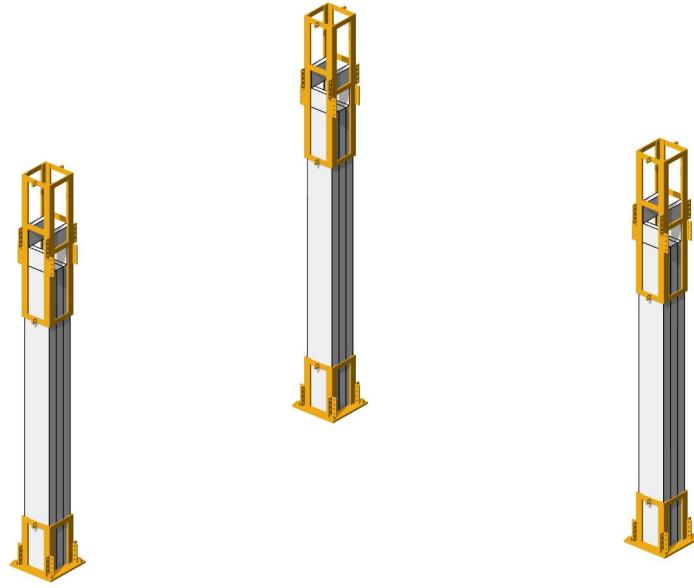




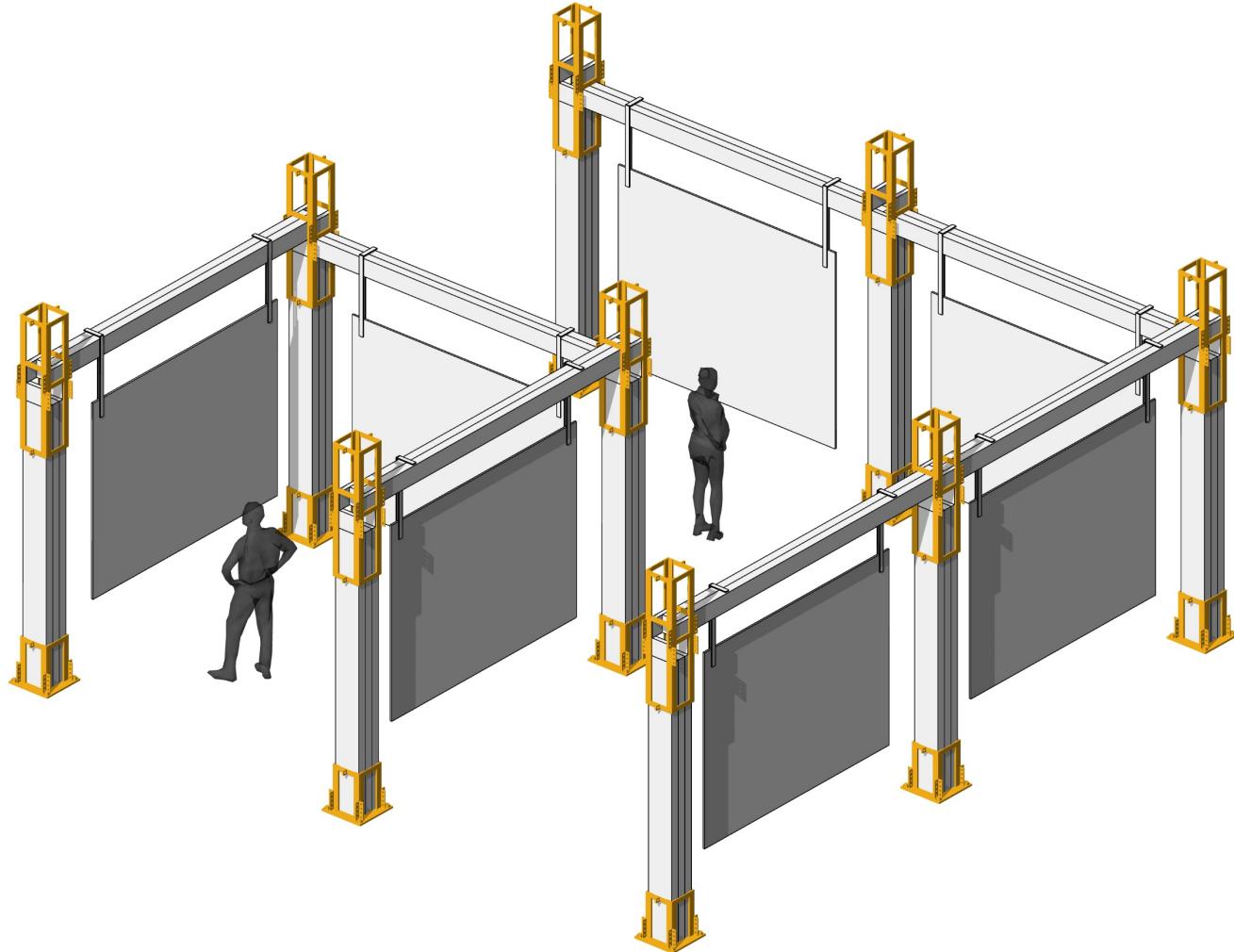


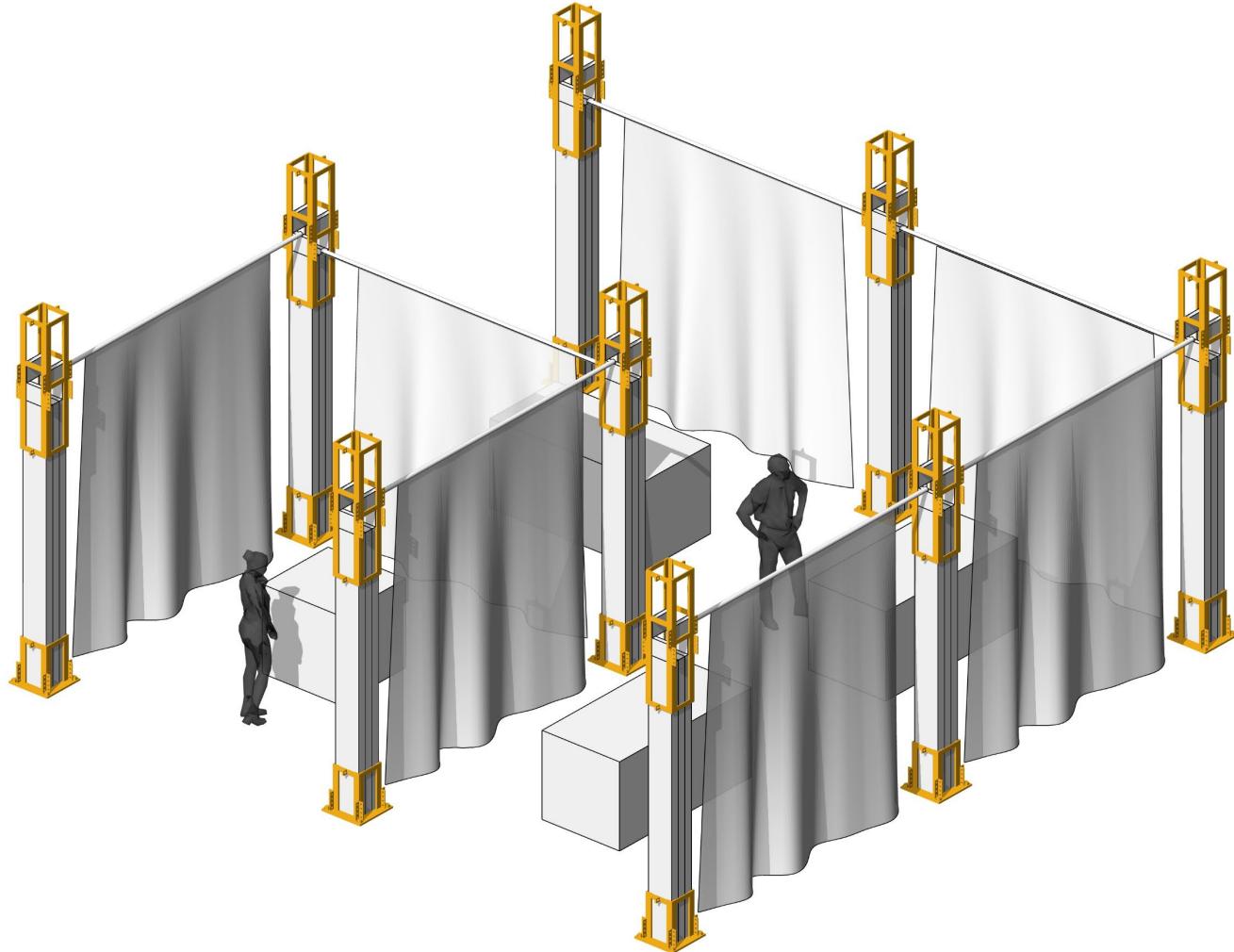


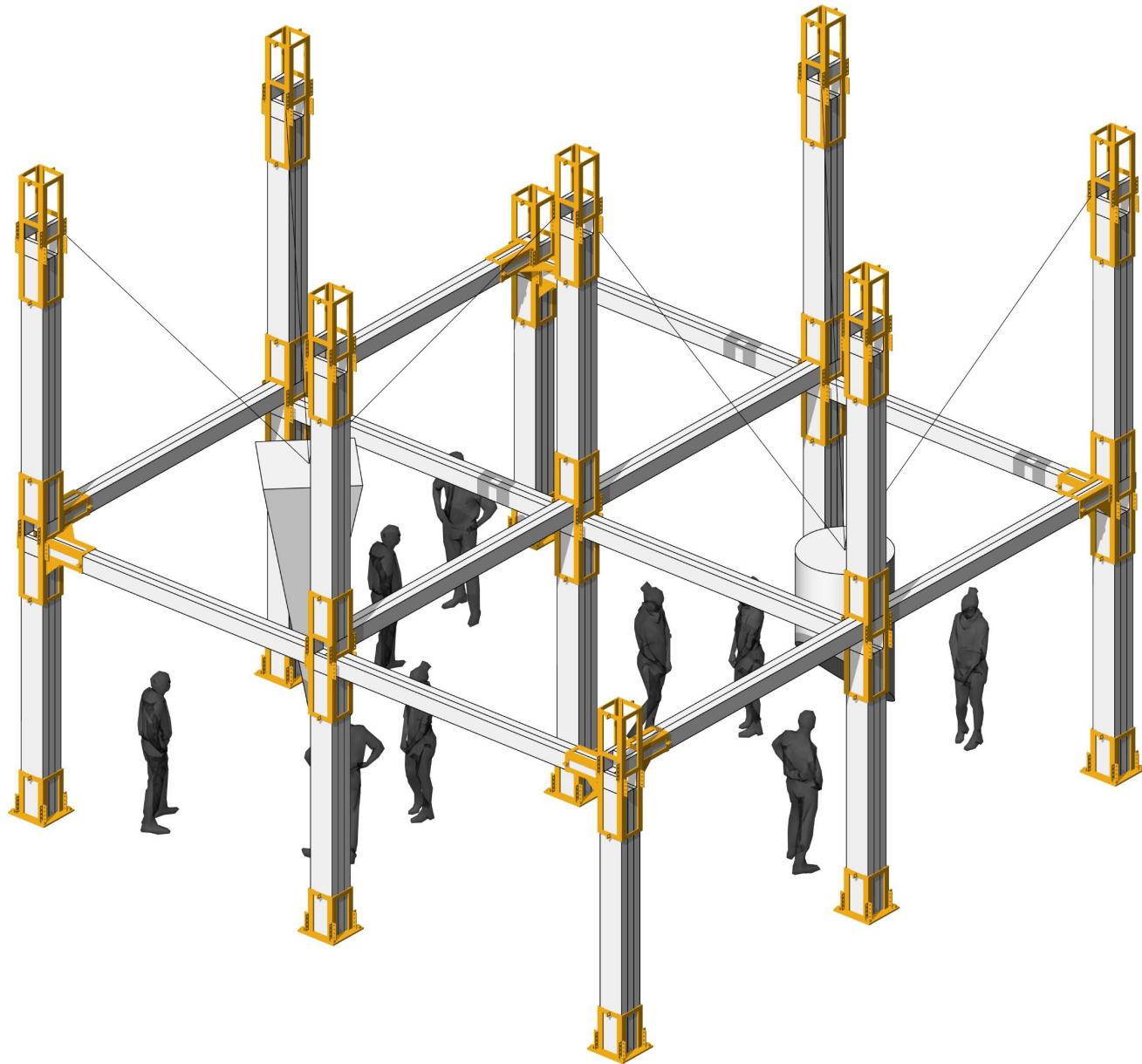


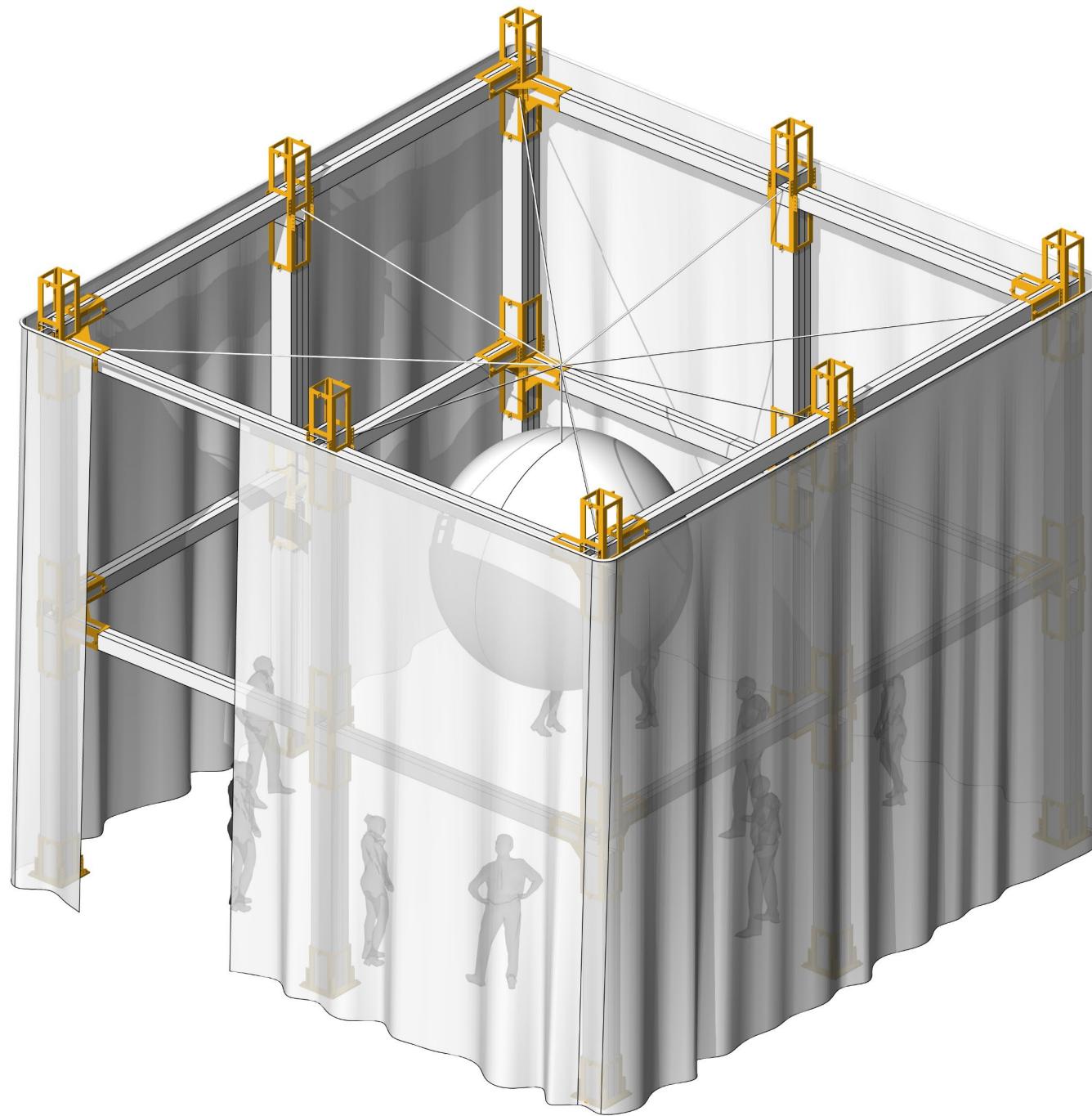


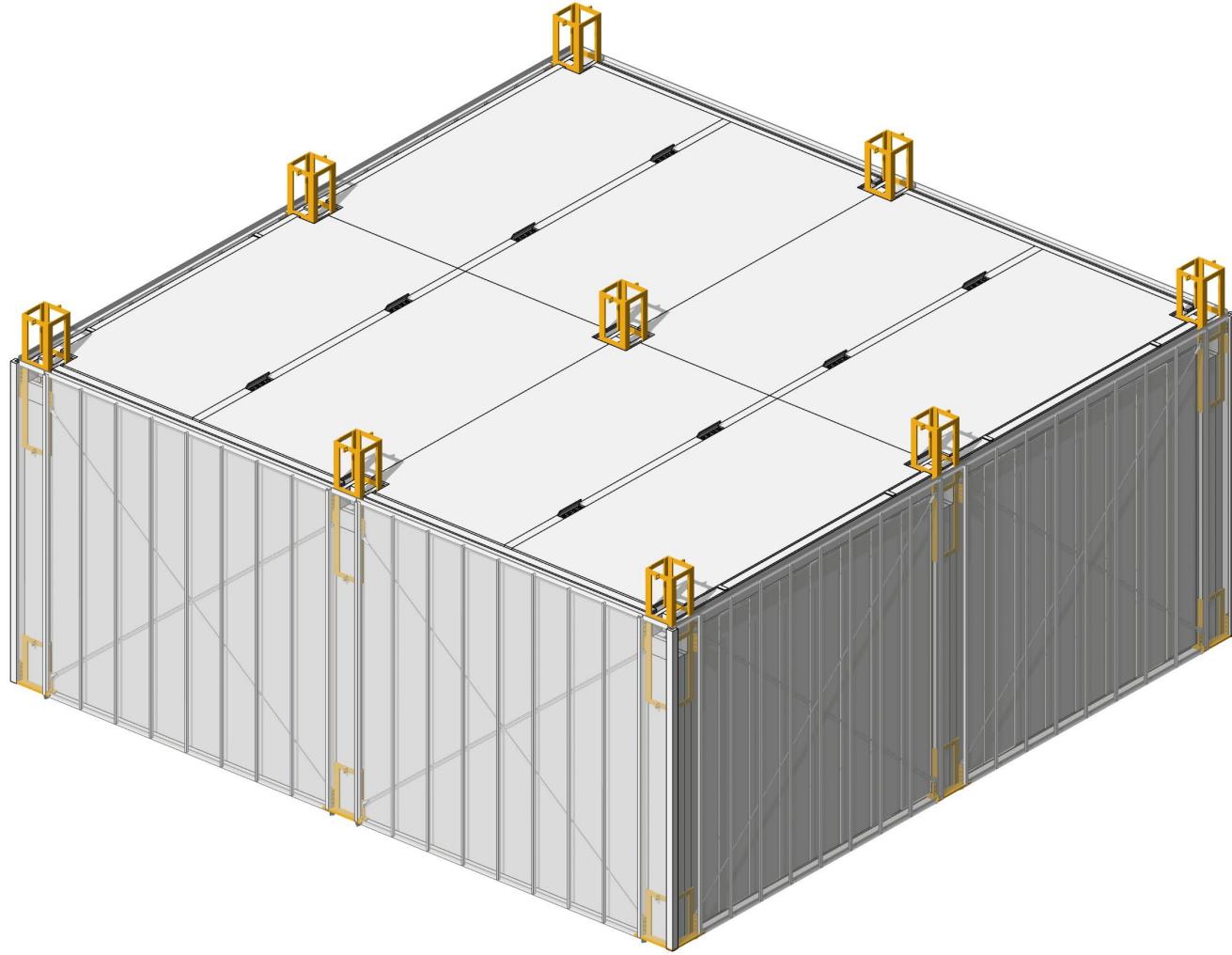


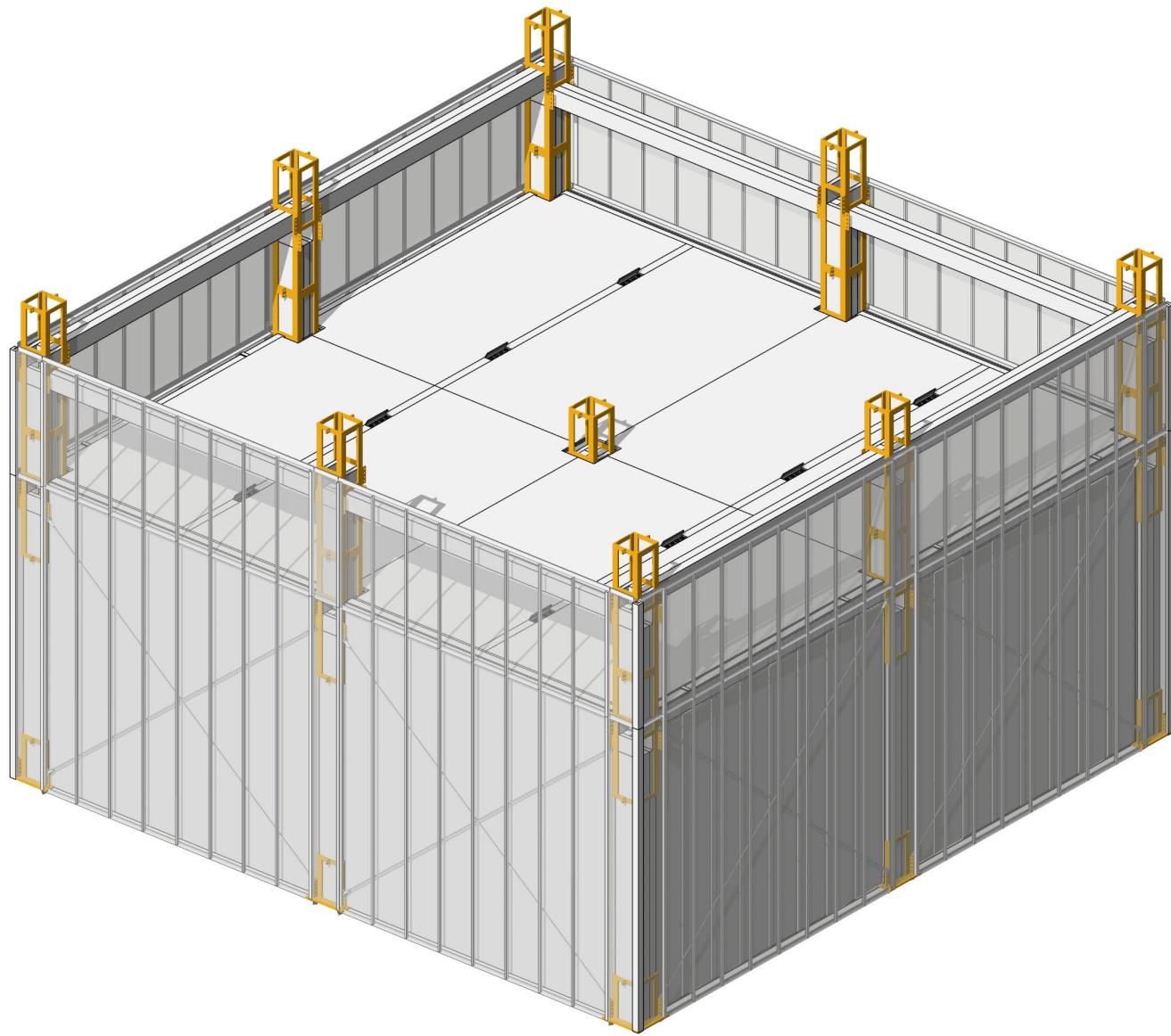


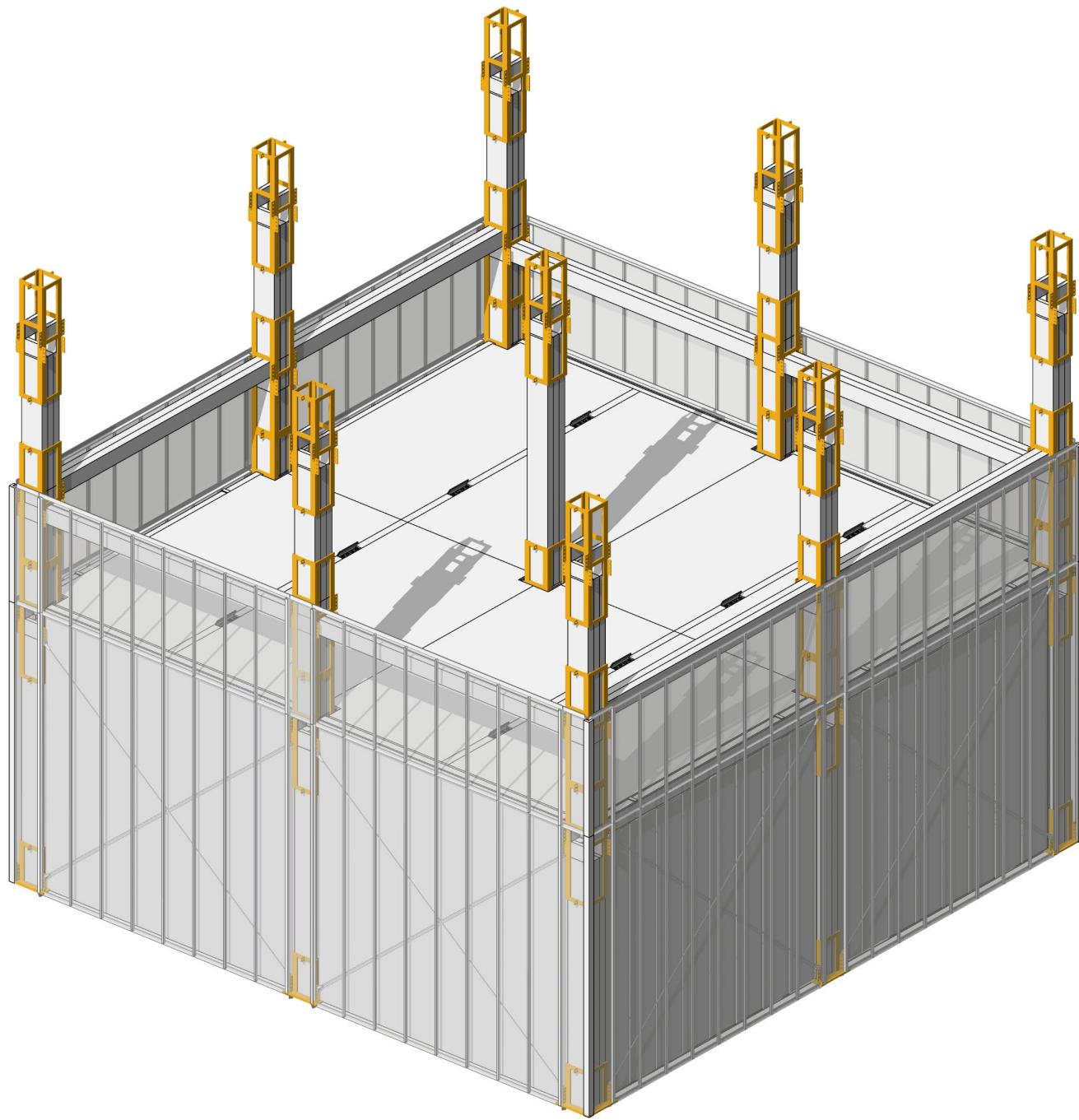


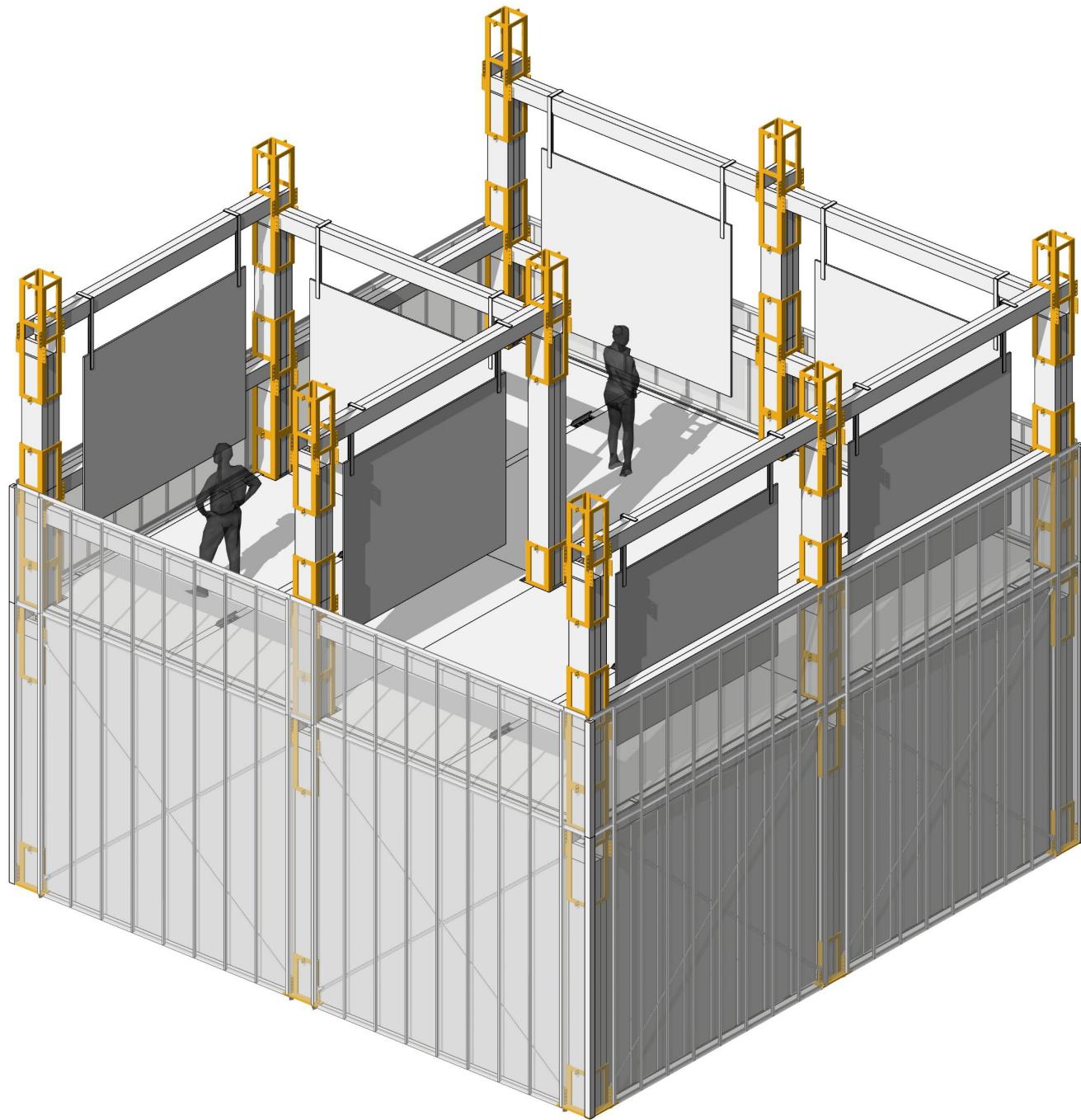


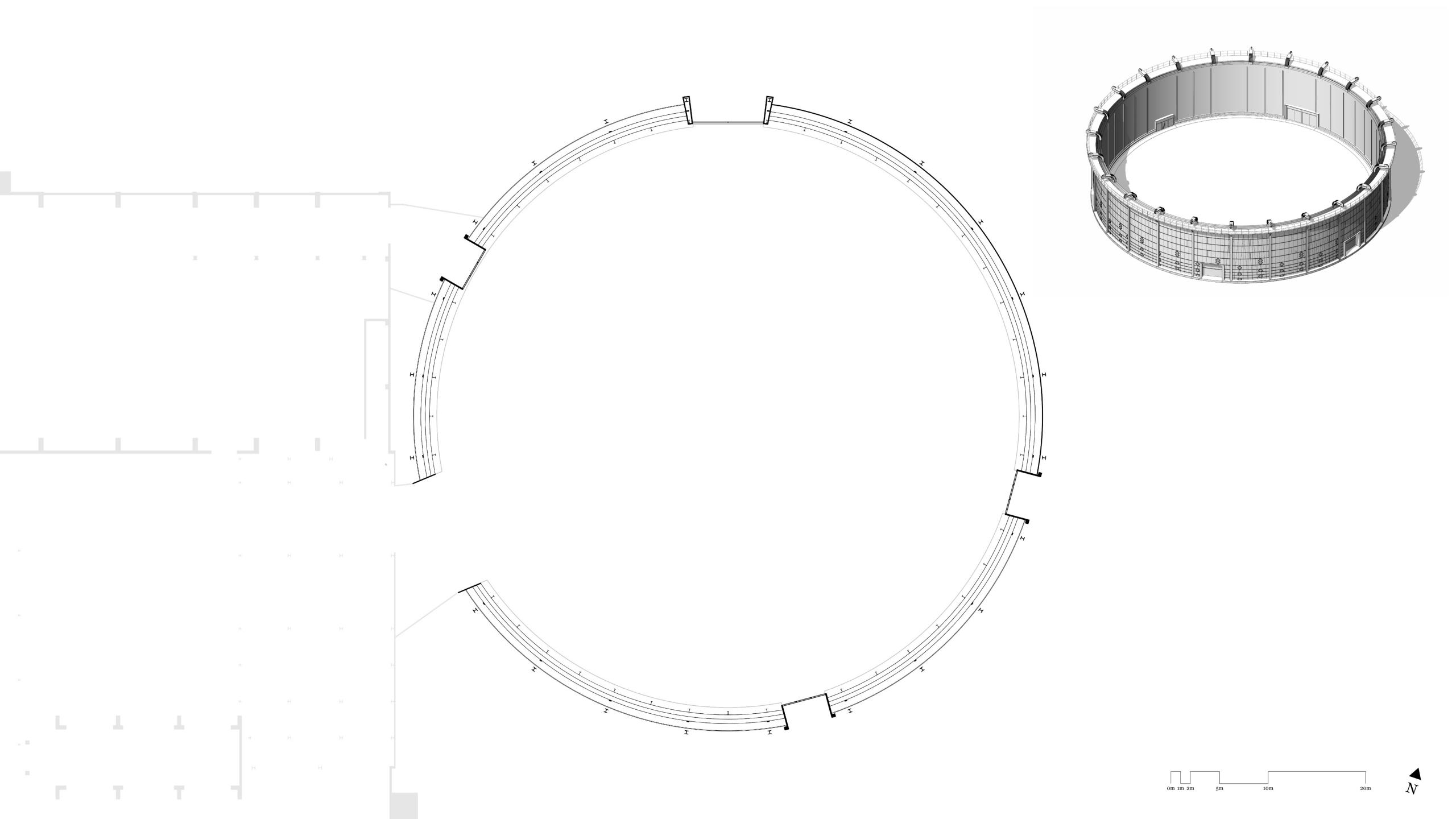


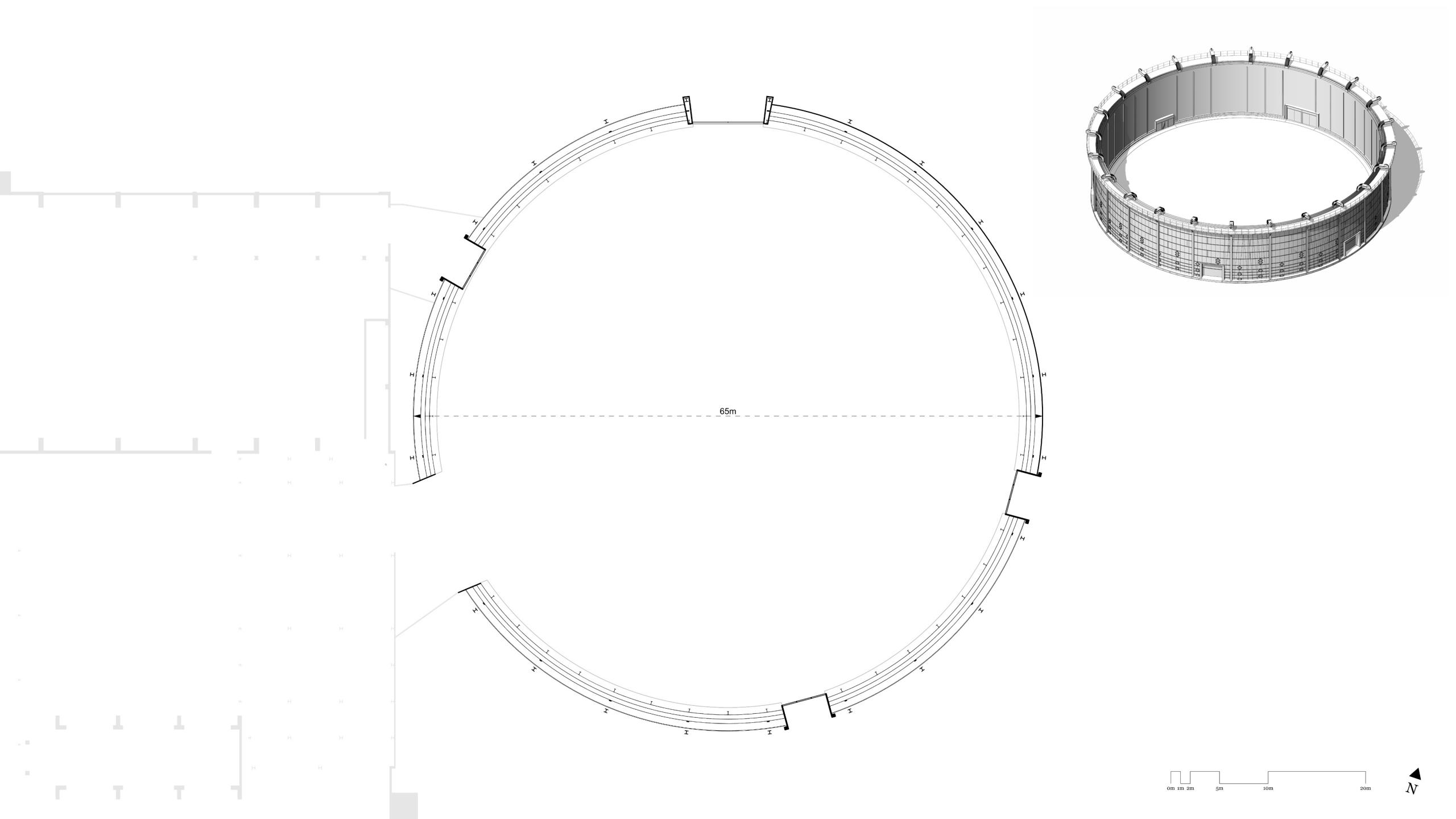


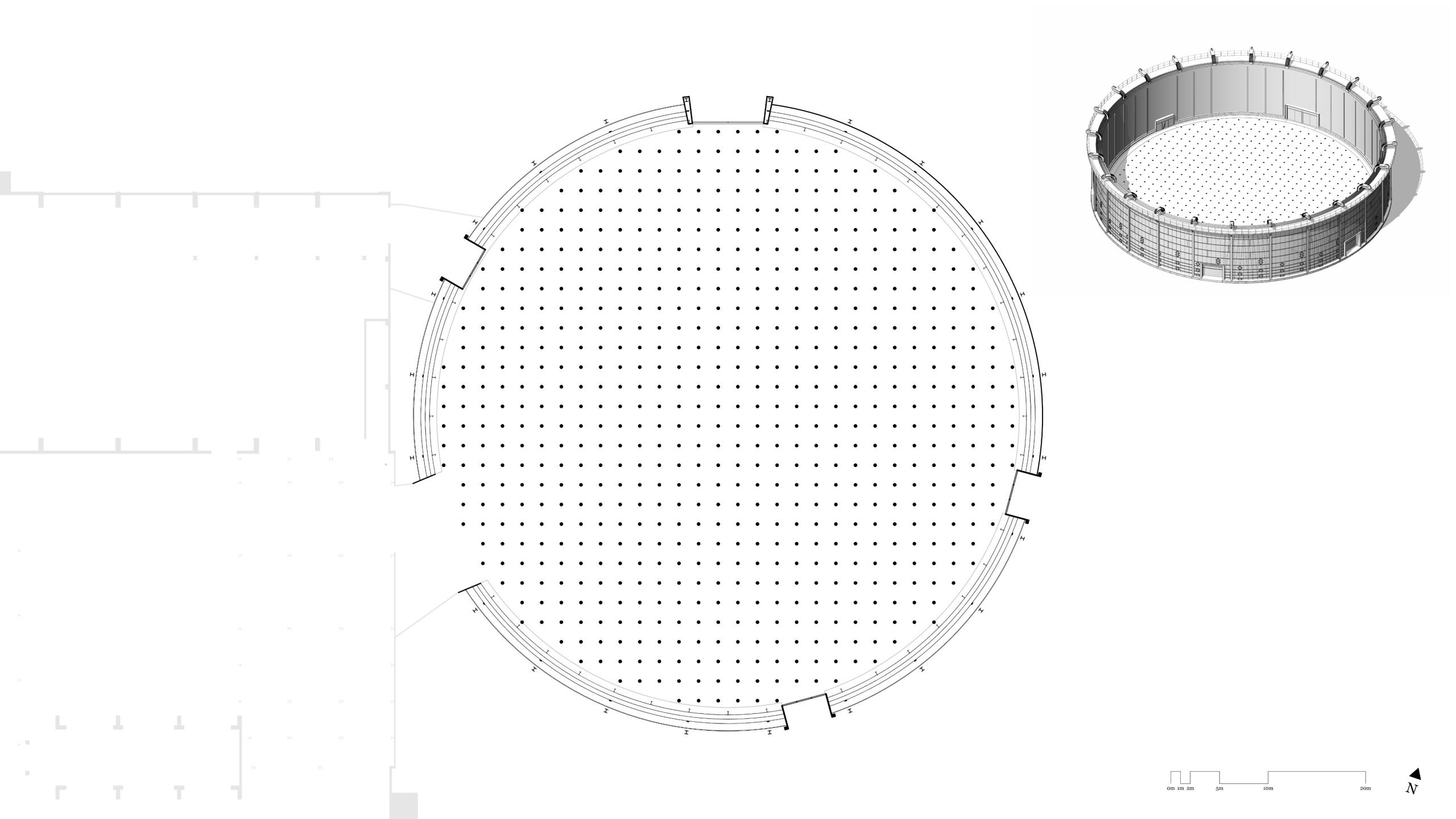


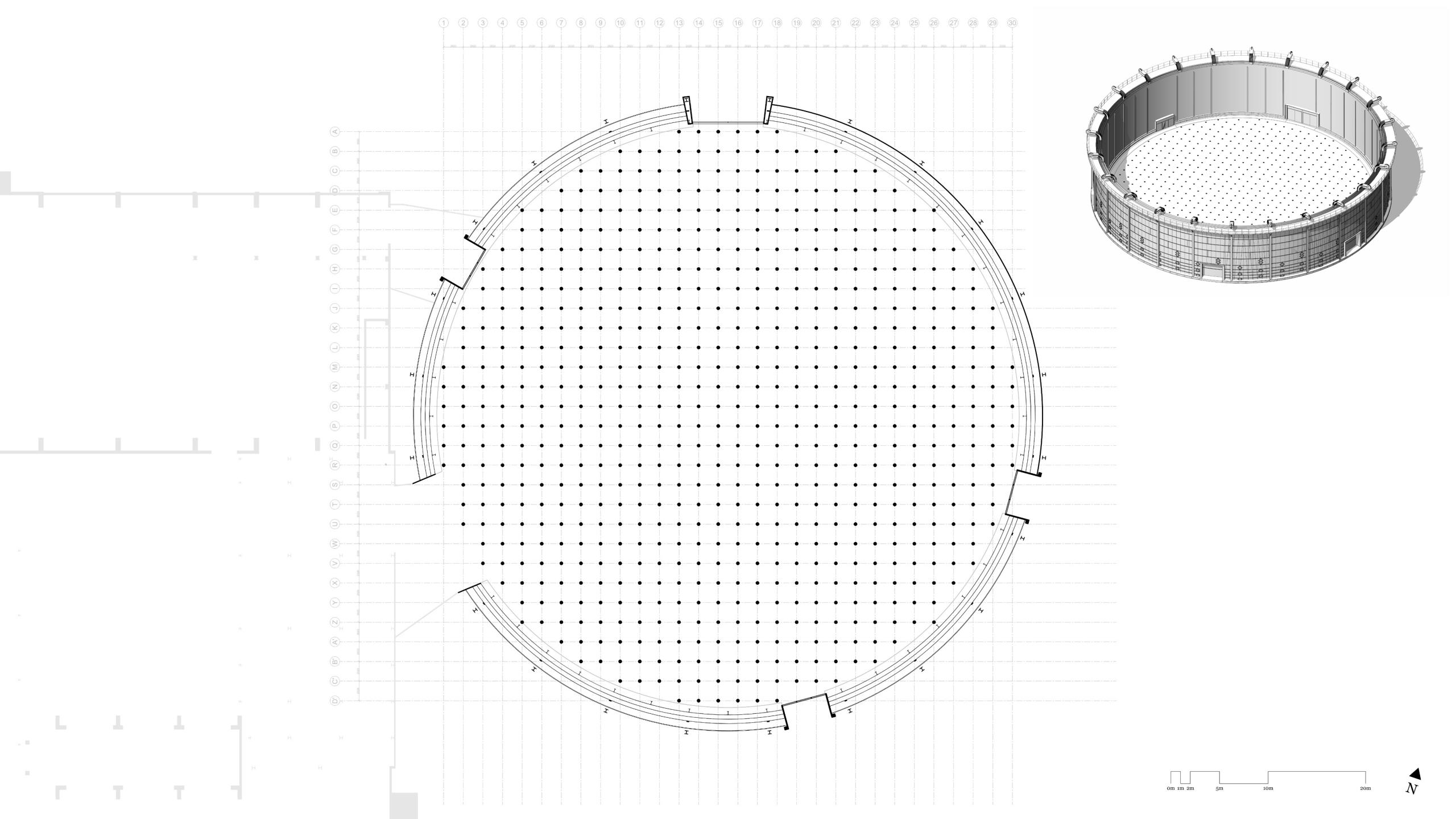


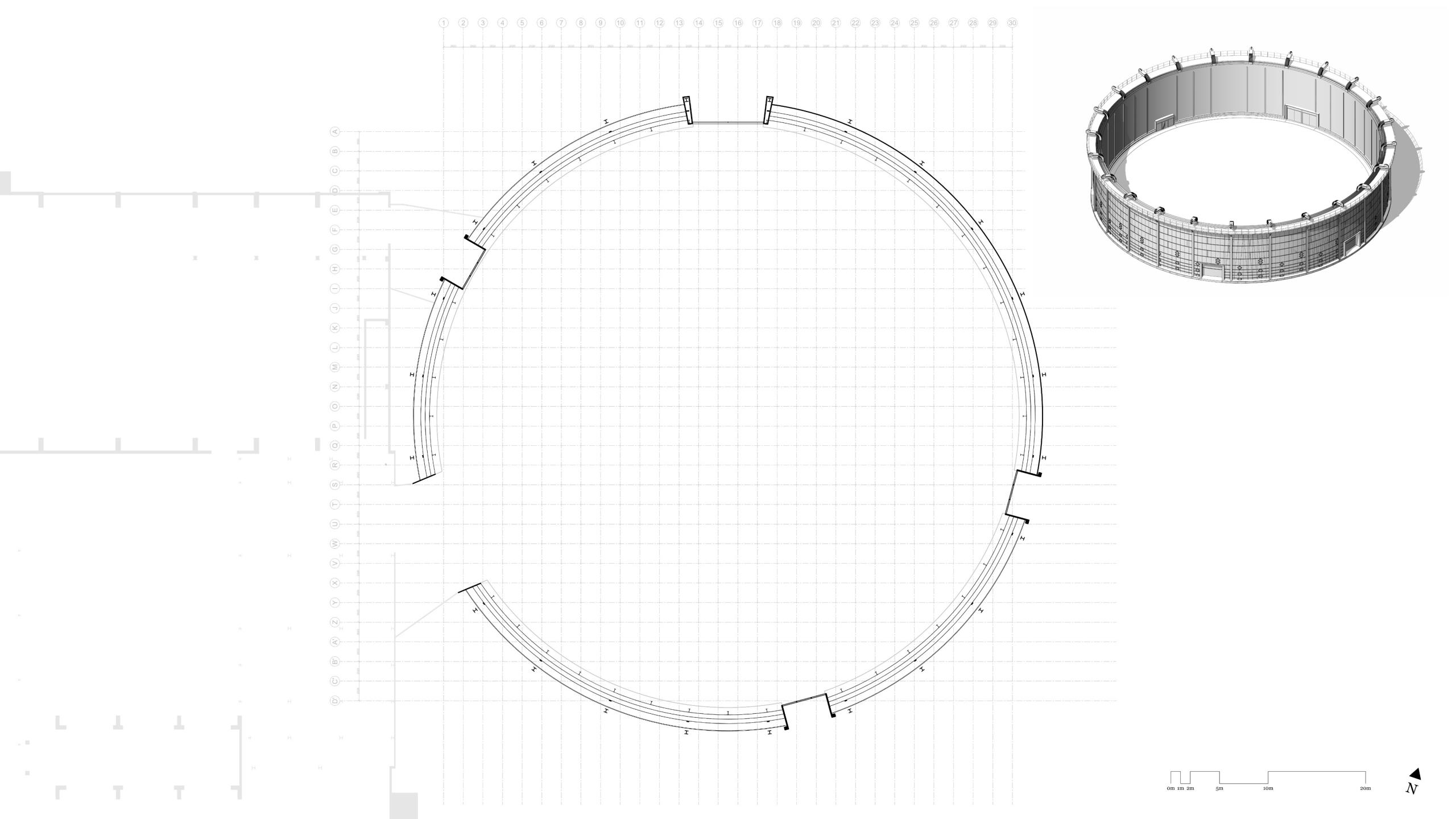


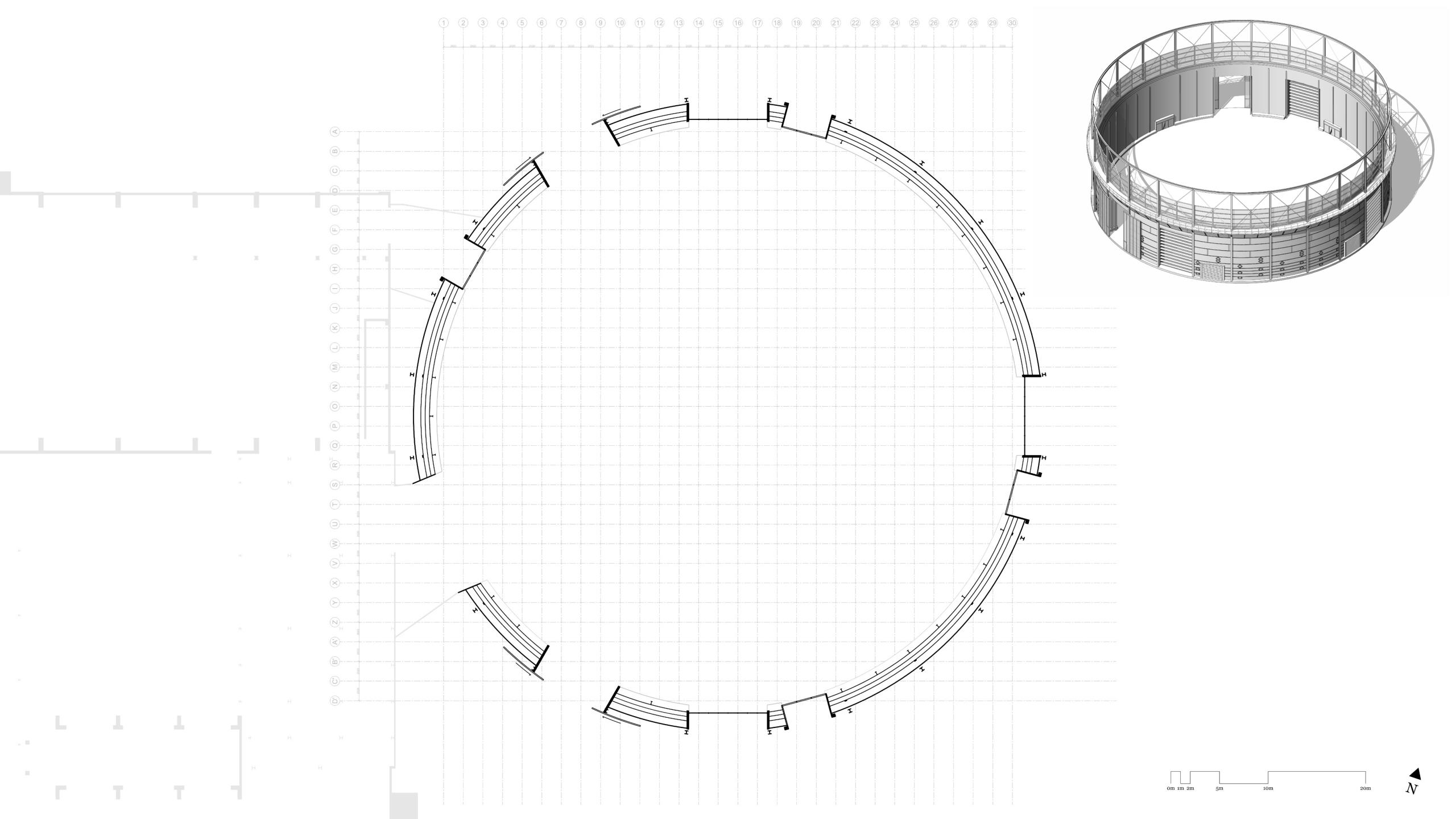


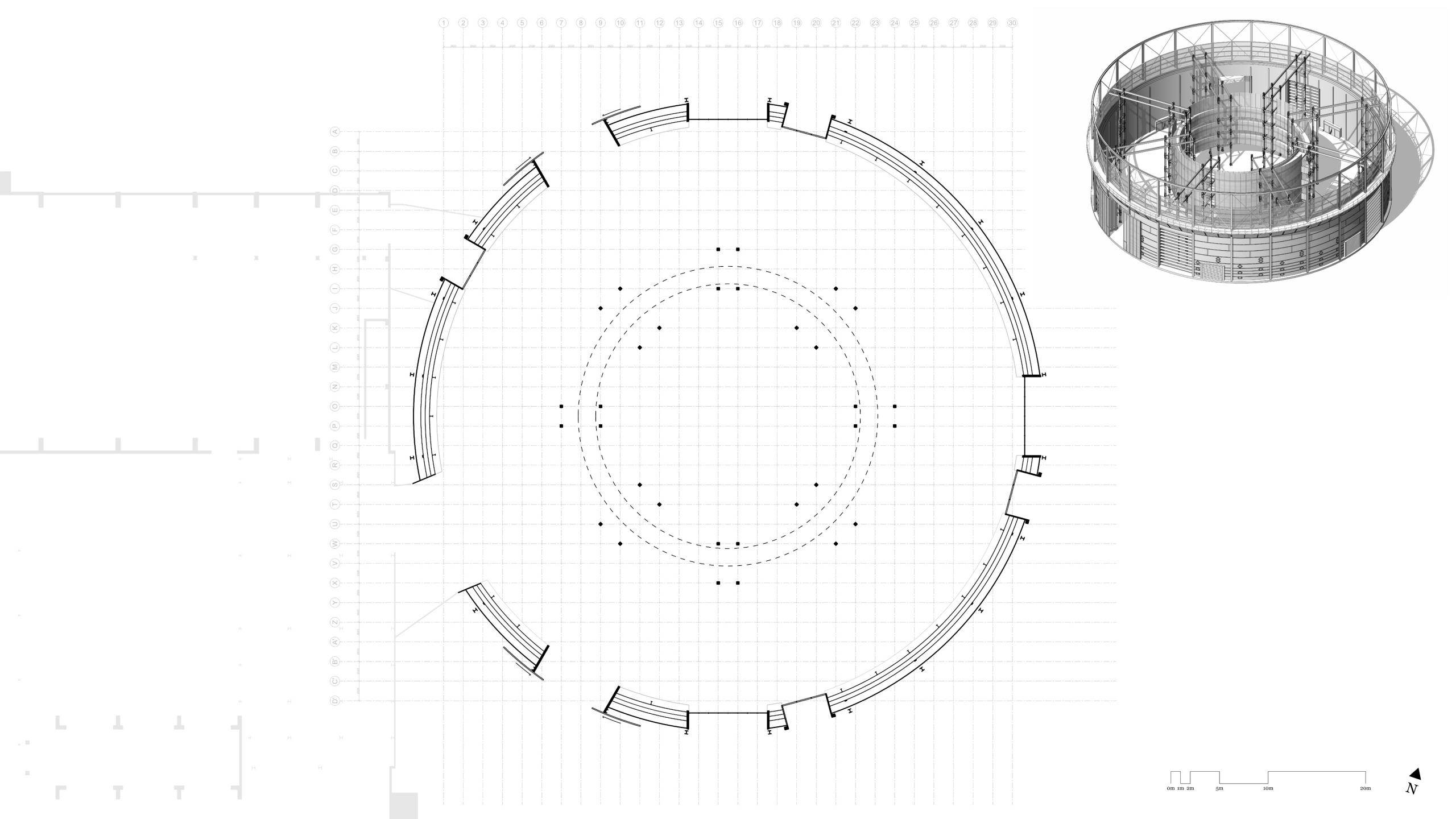


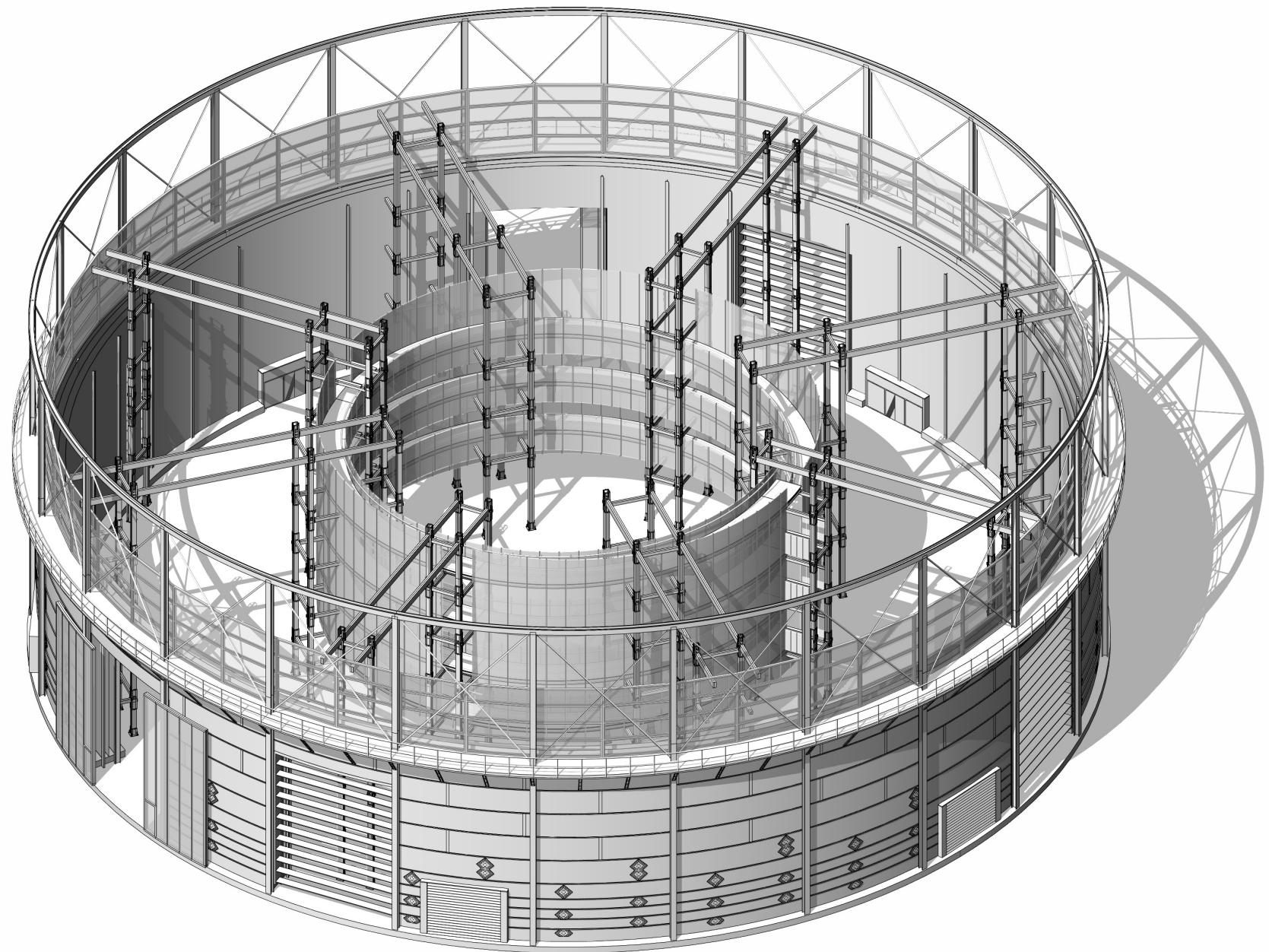


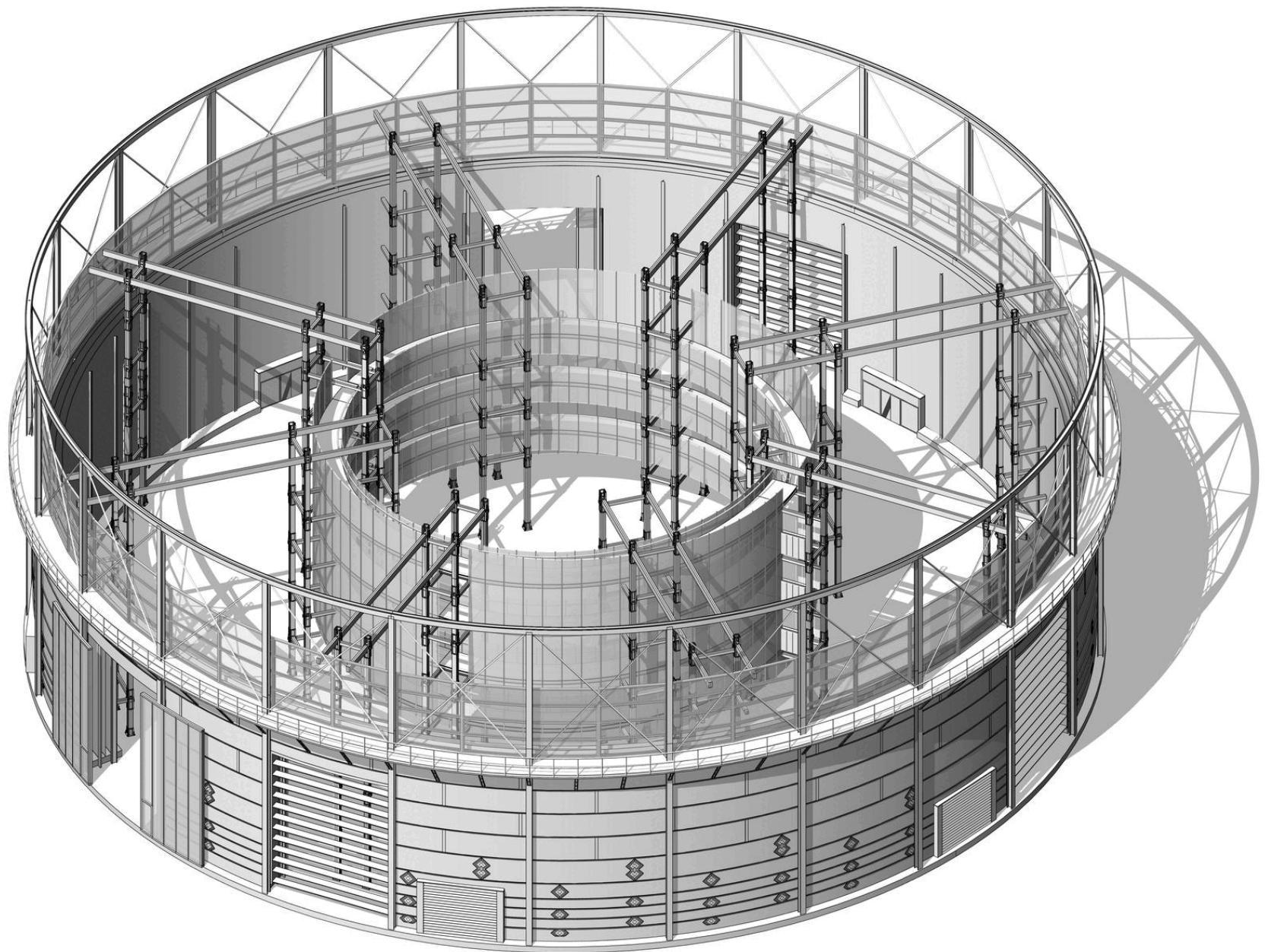




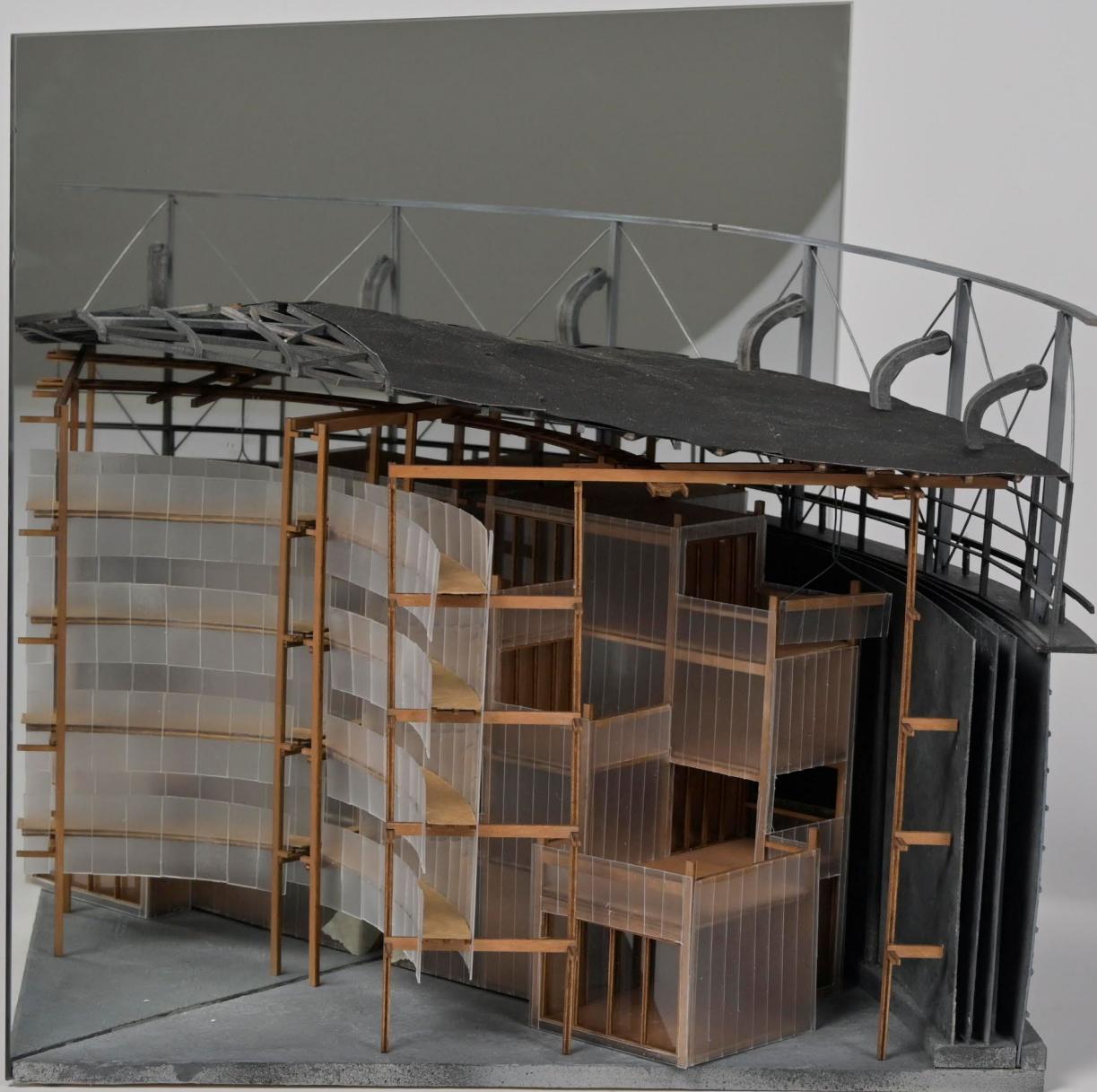


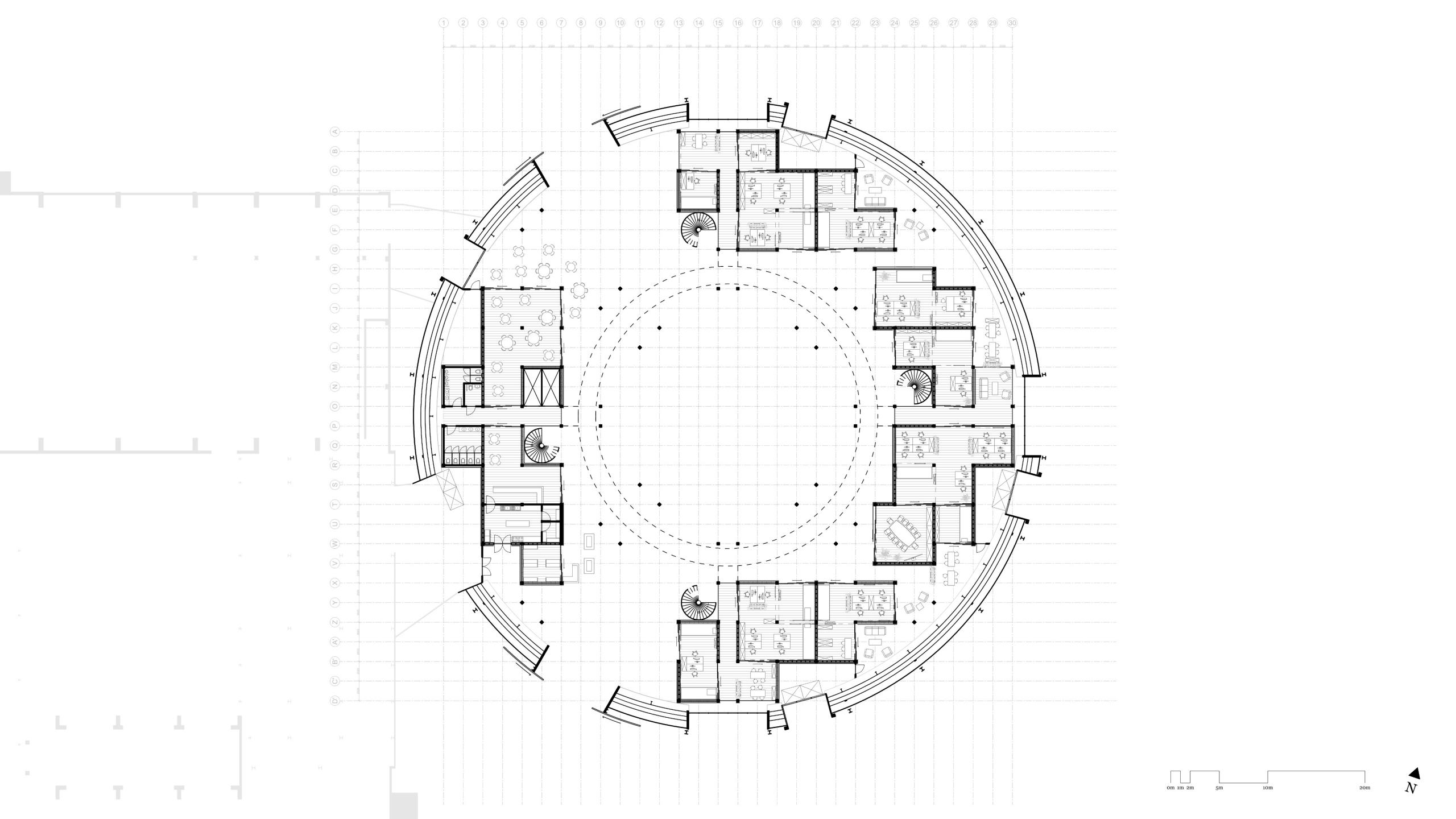




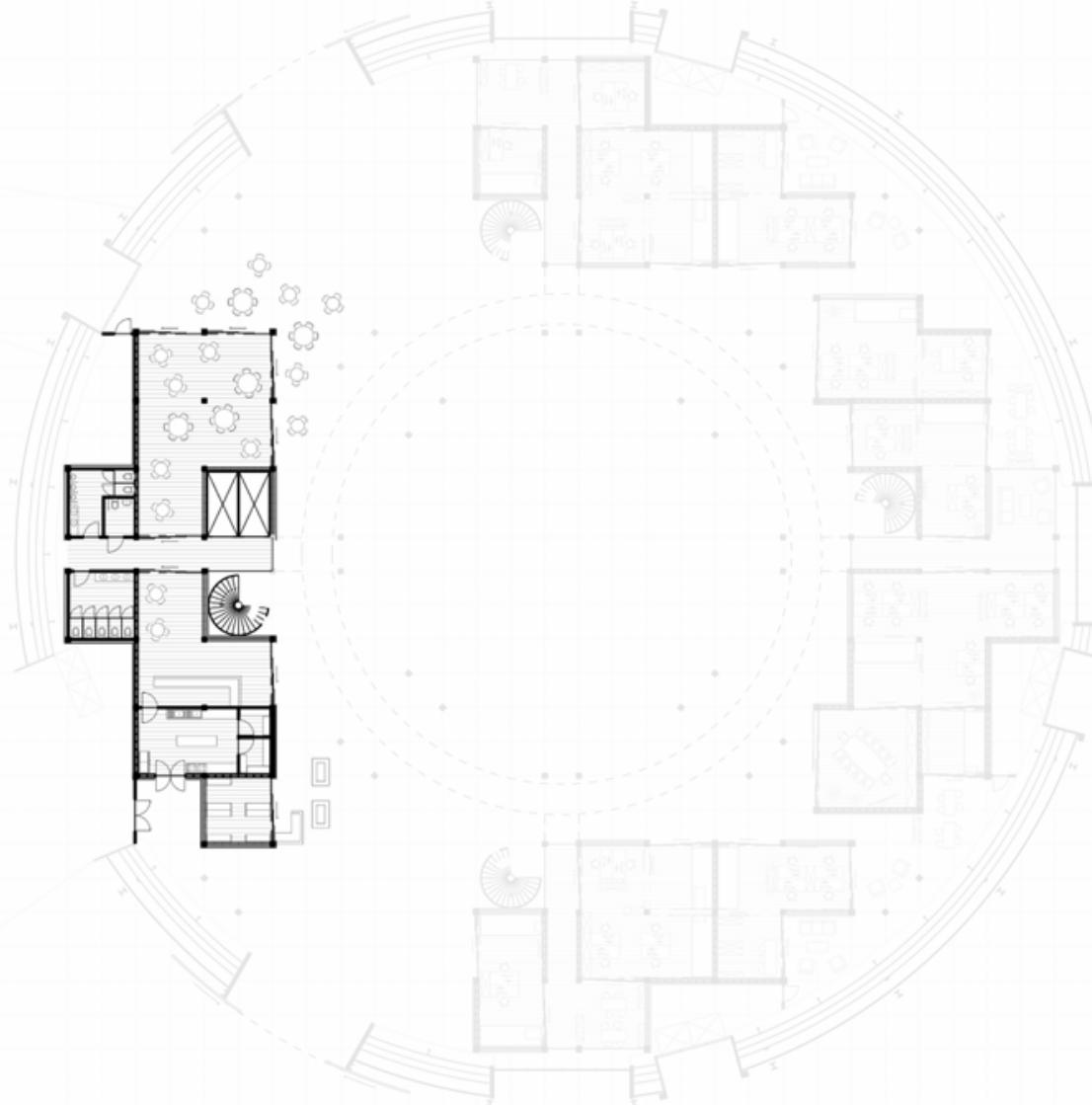






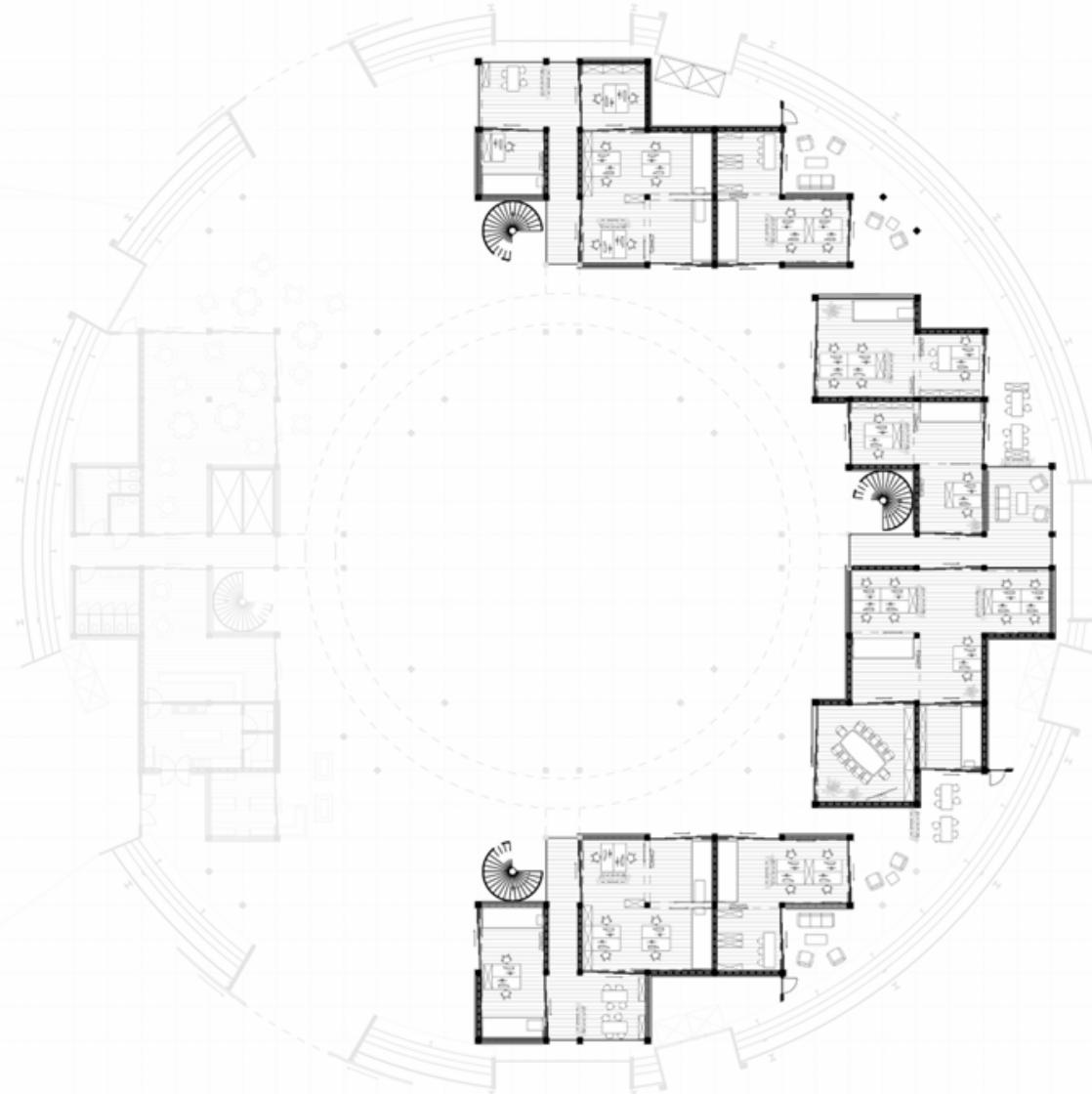


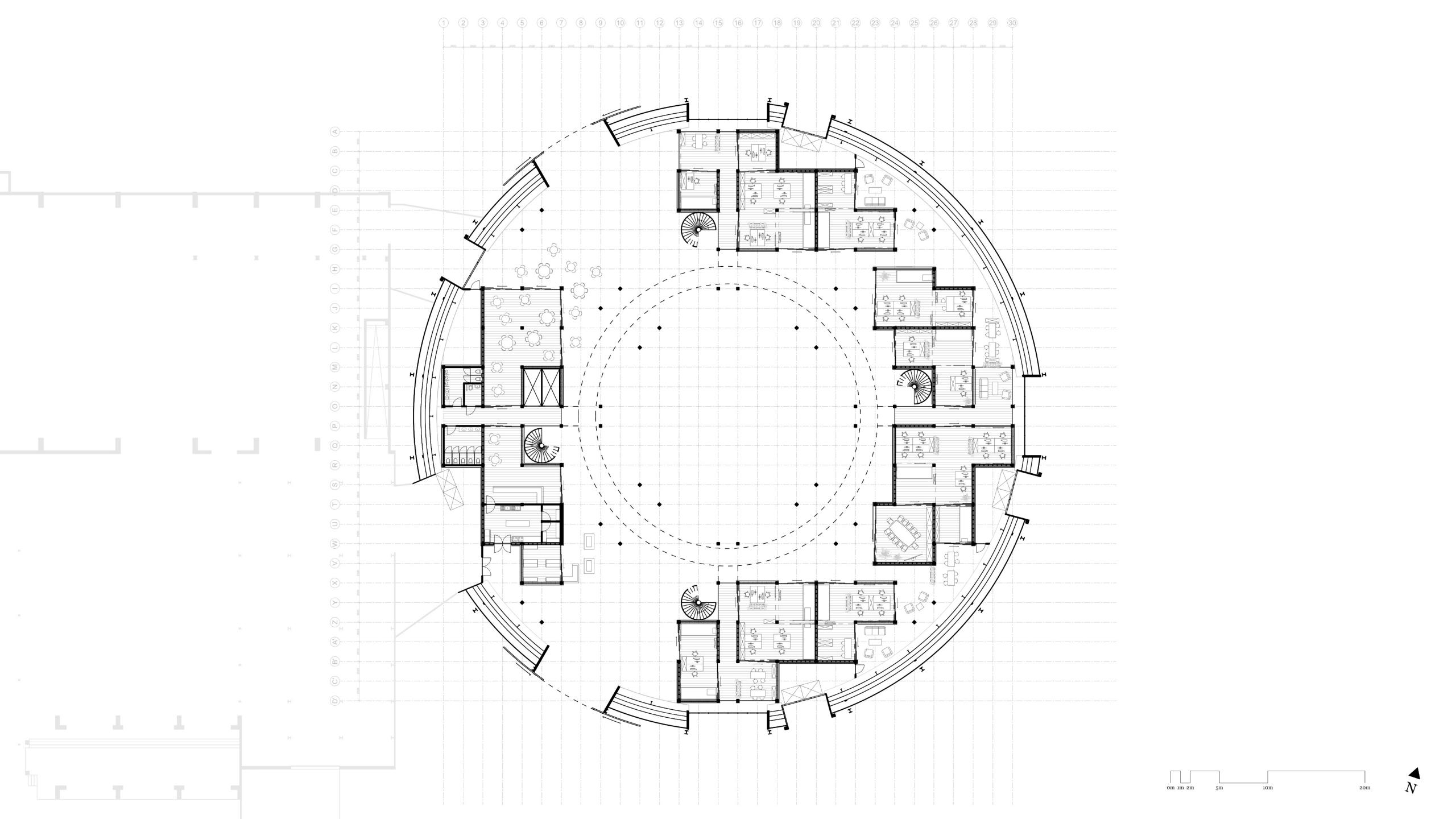
Canteen +
exhibition spaces

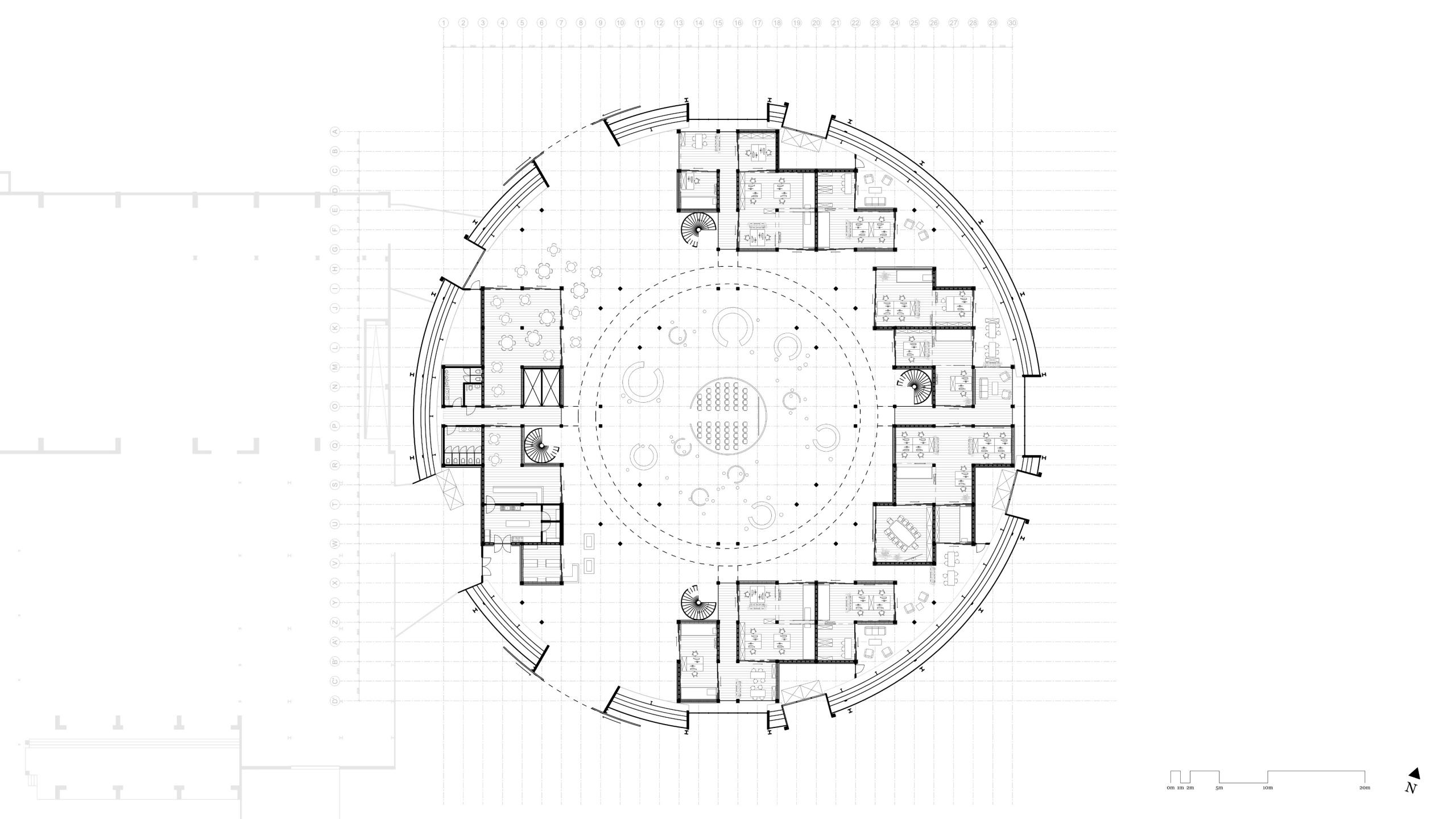


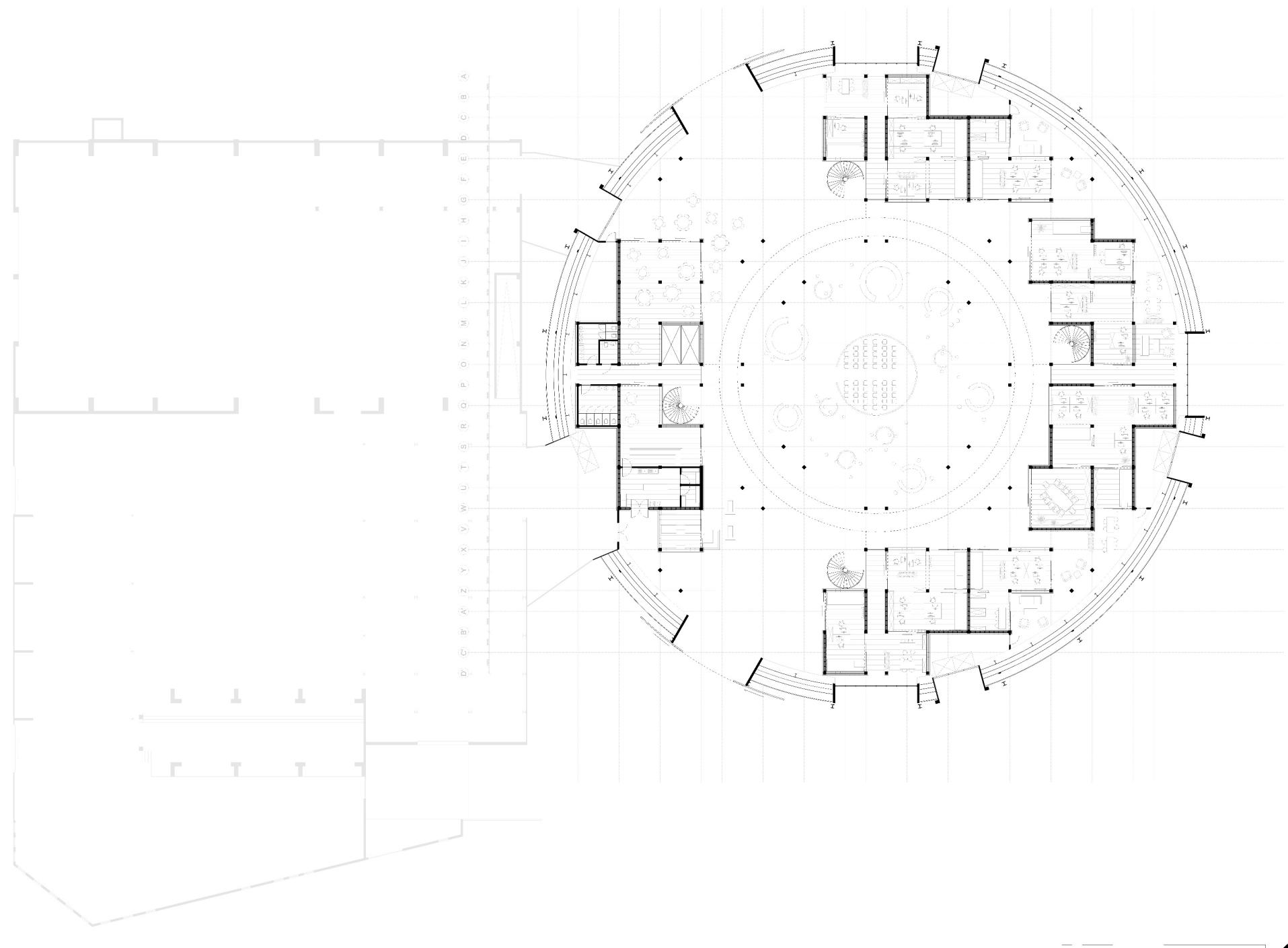
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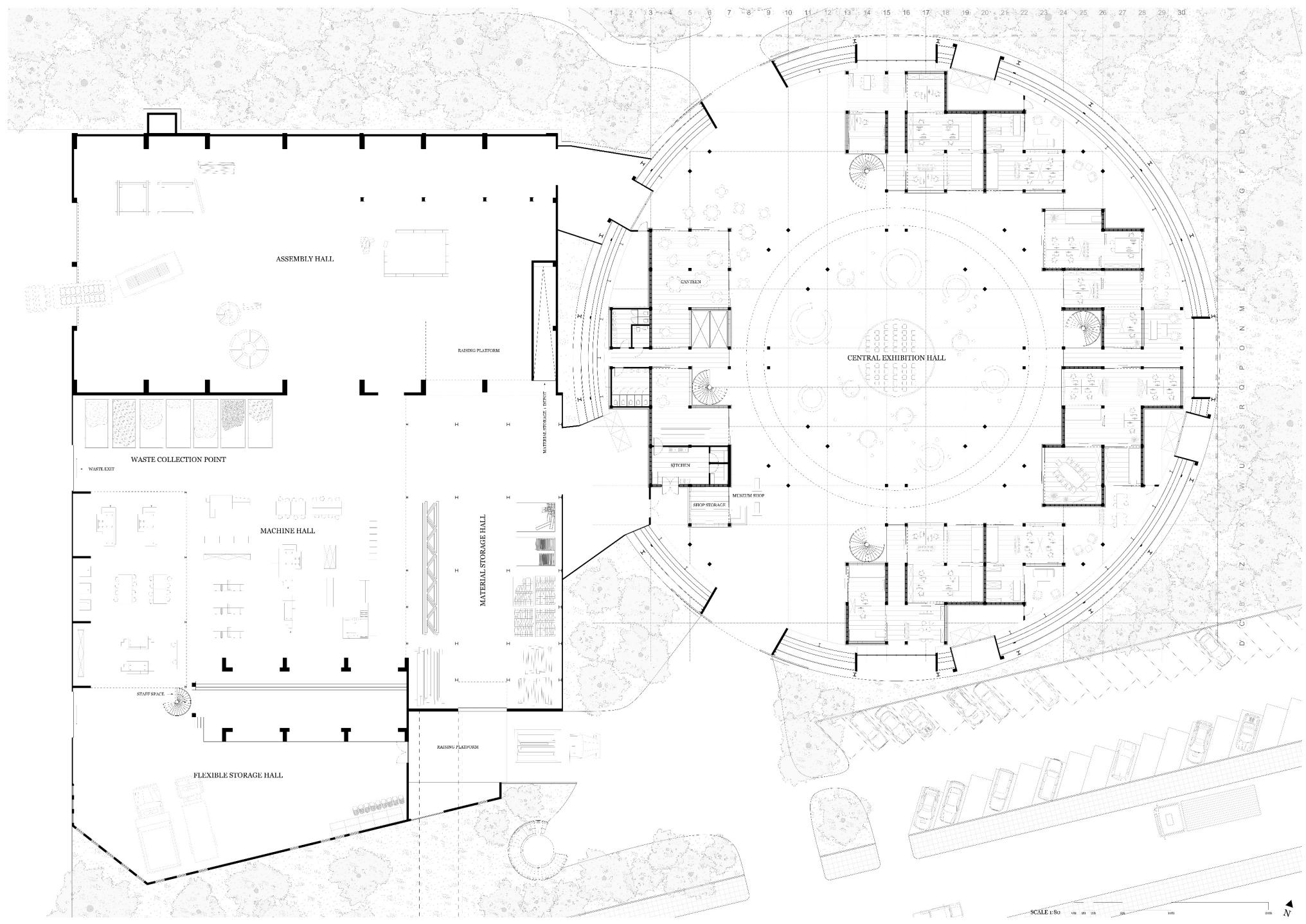
Architecture
studios

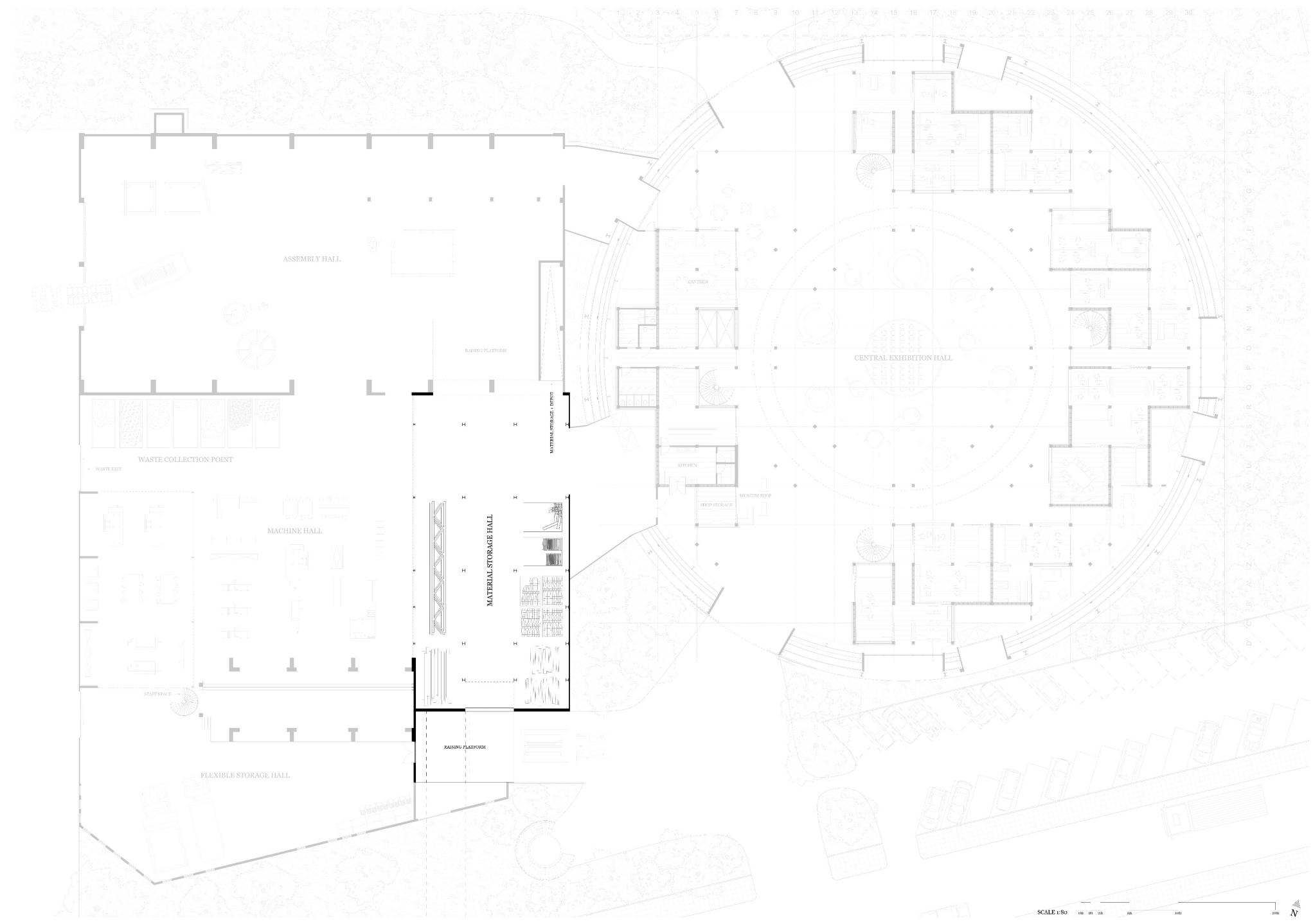


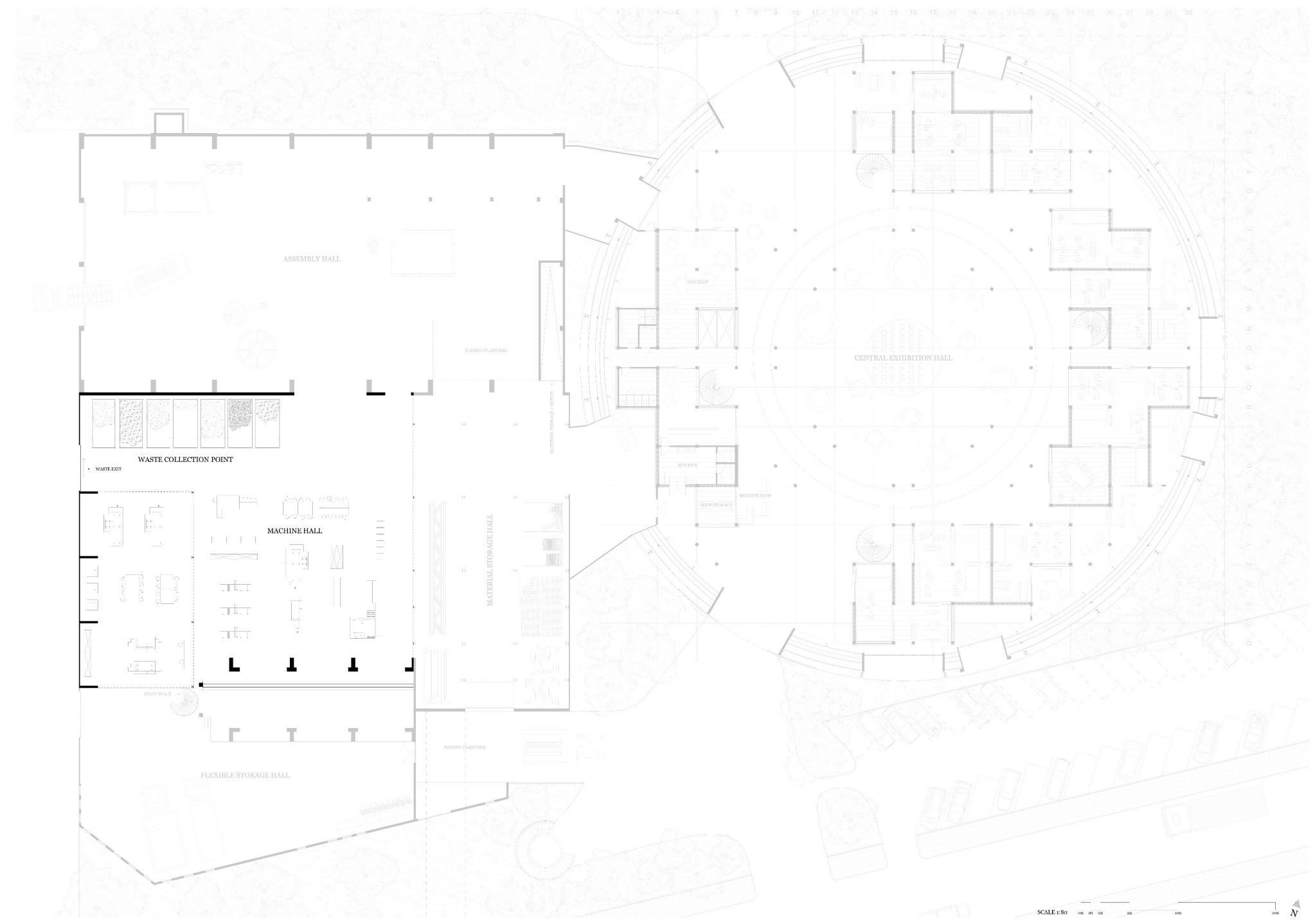


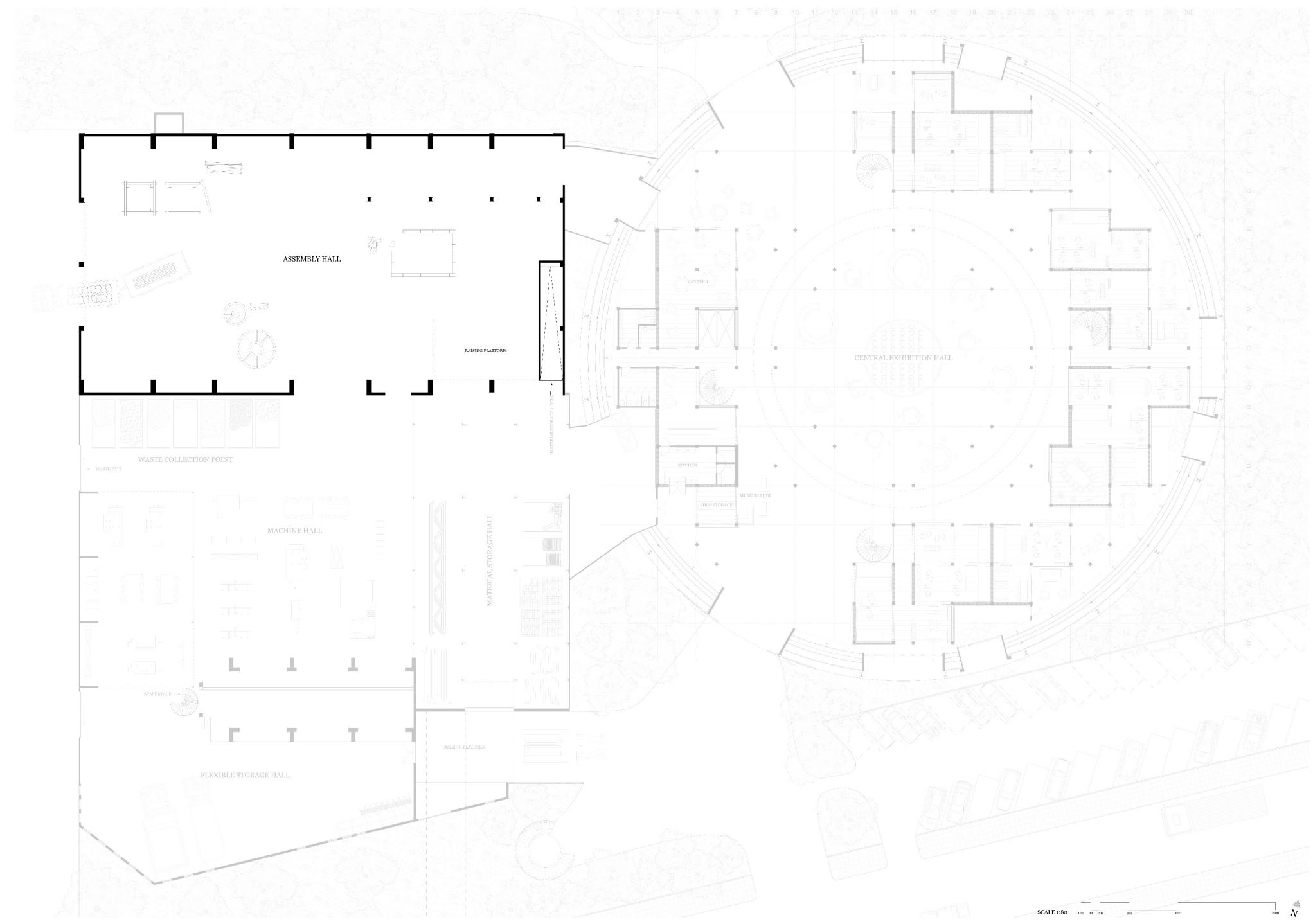


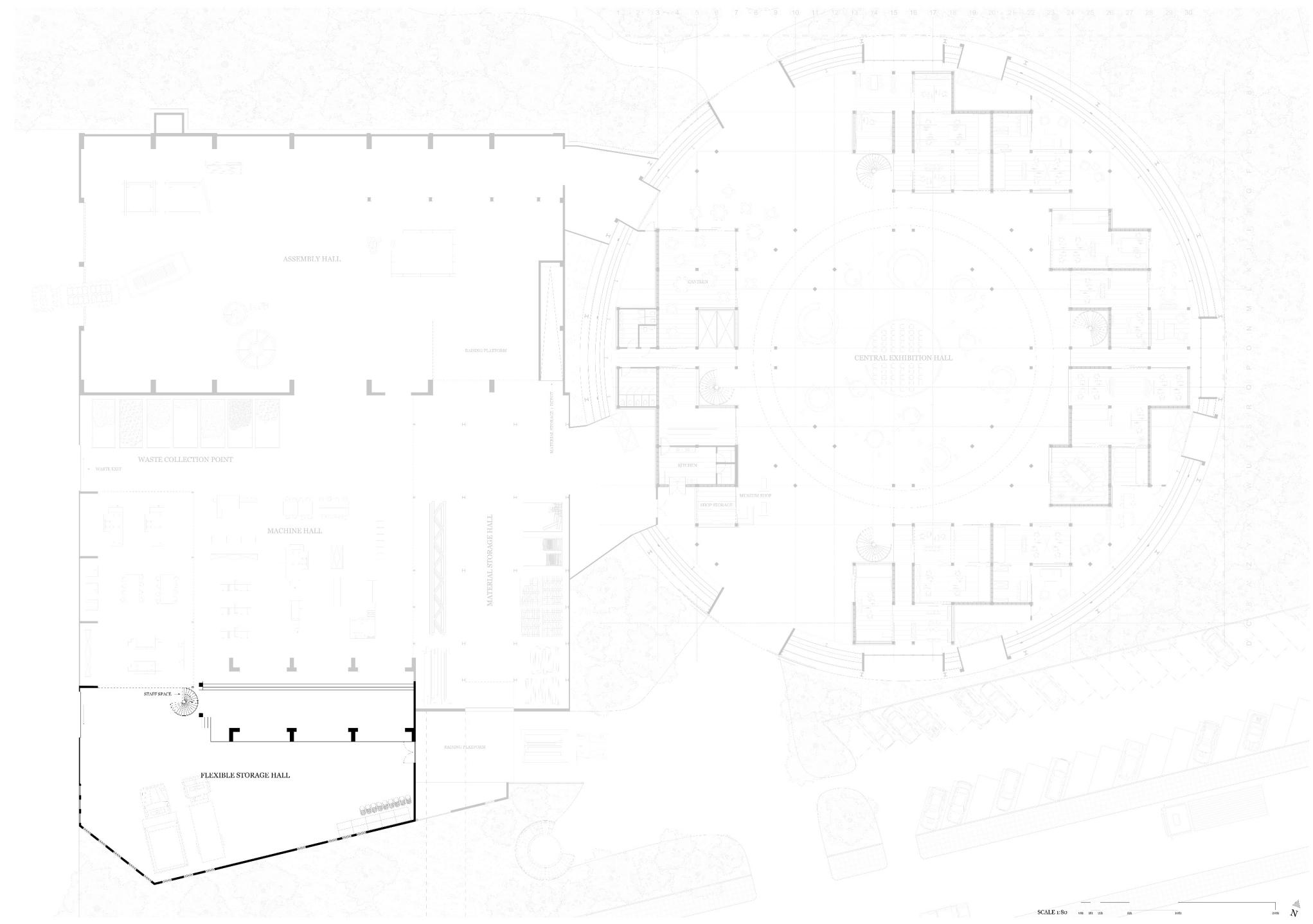


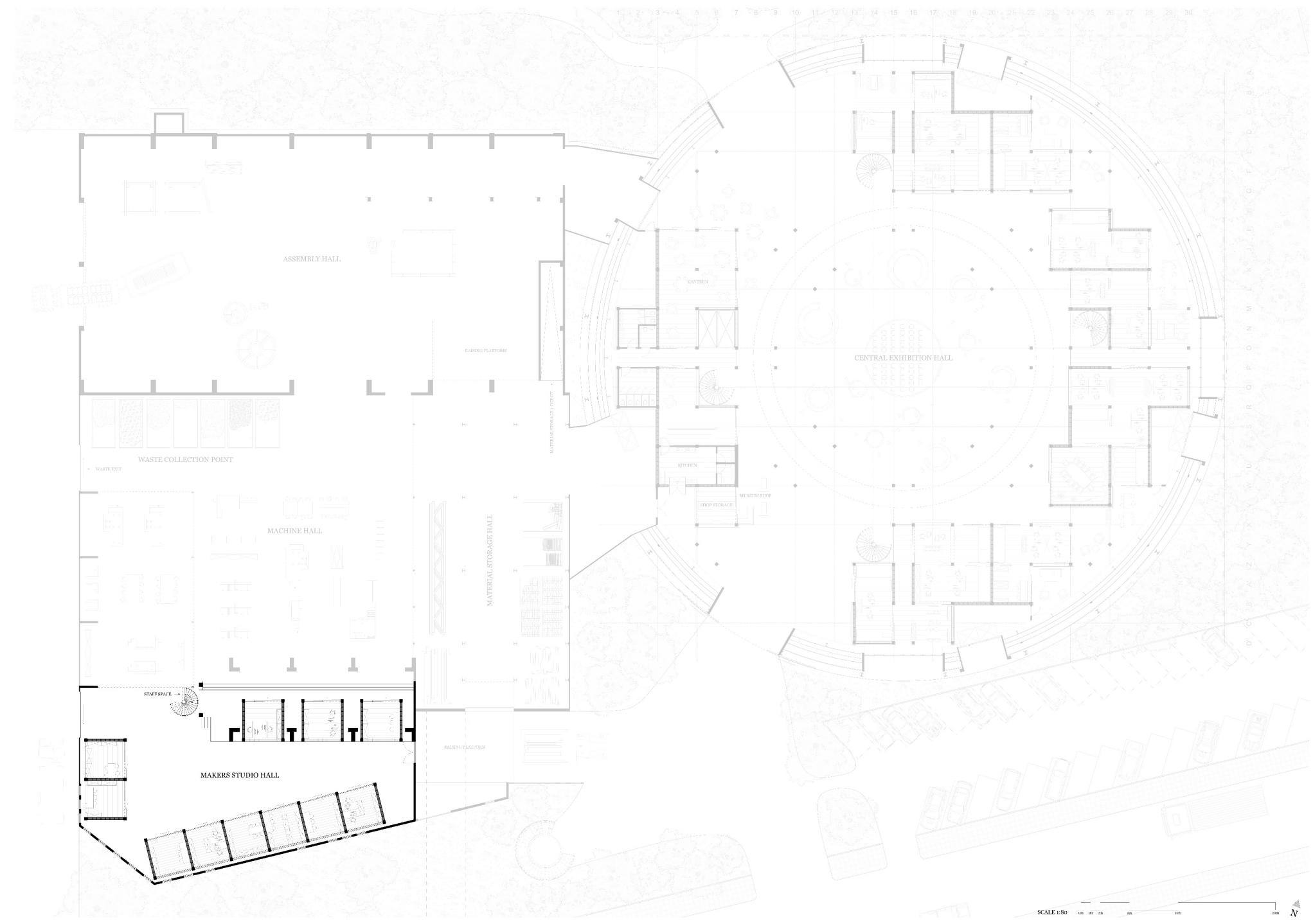


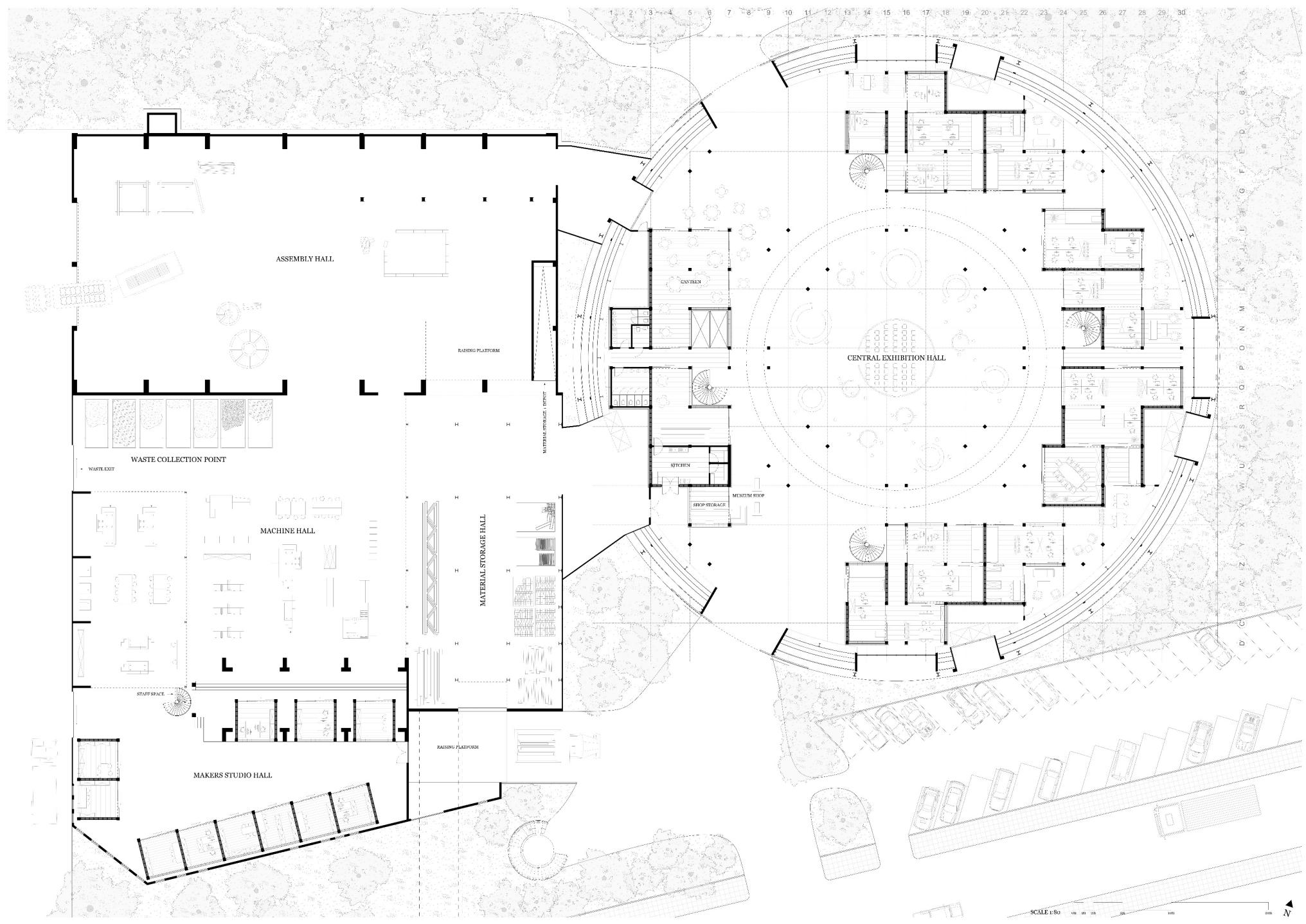


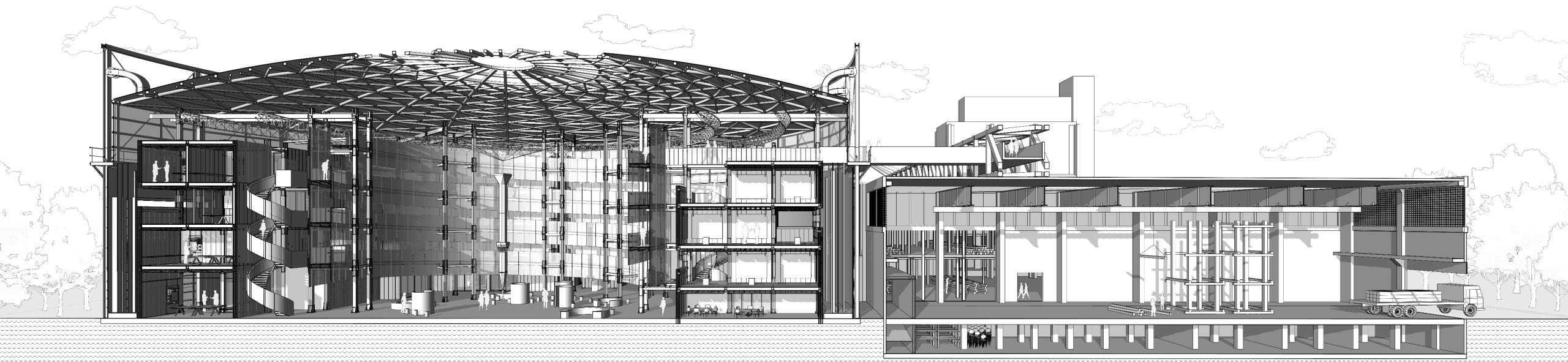






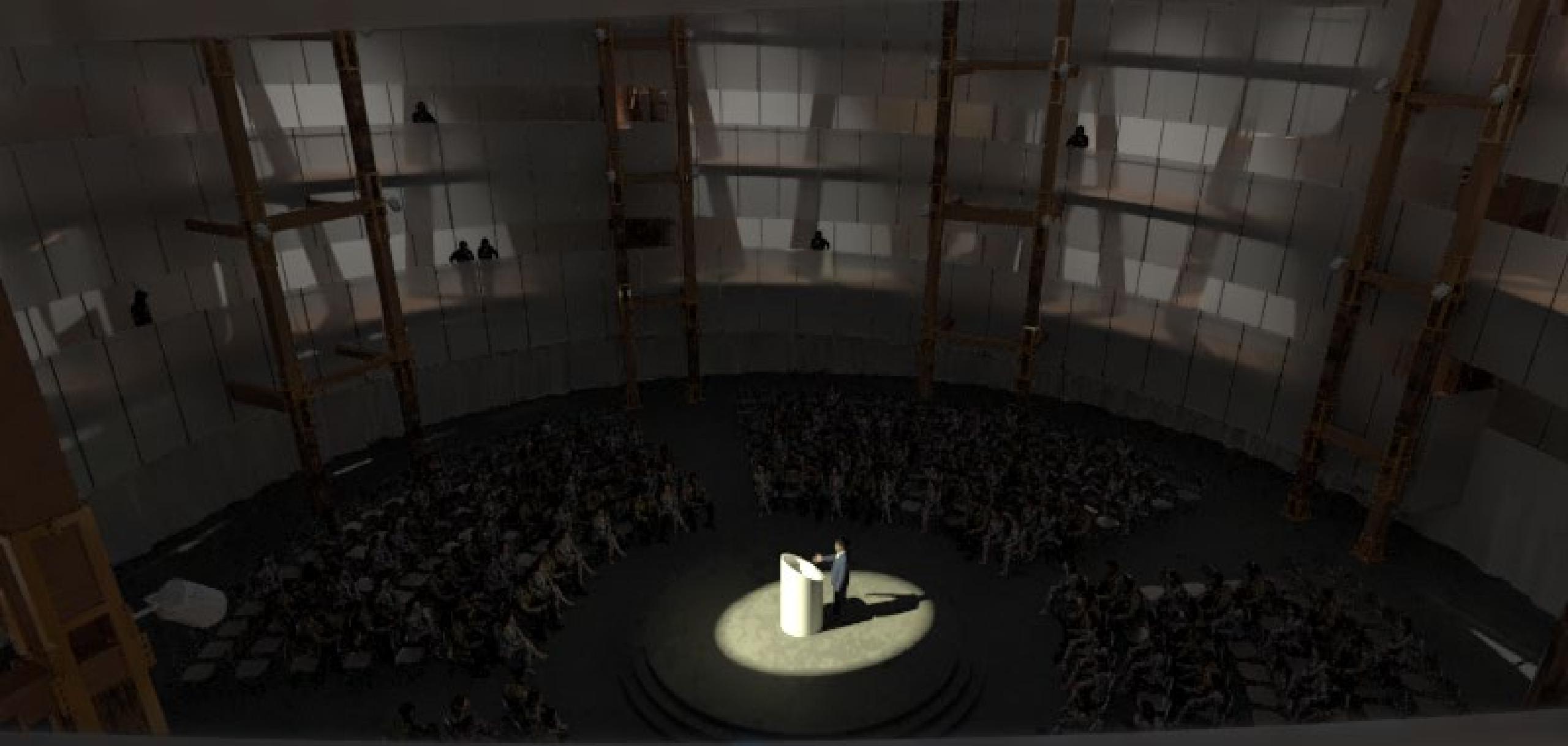


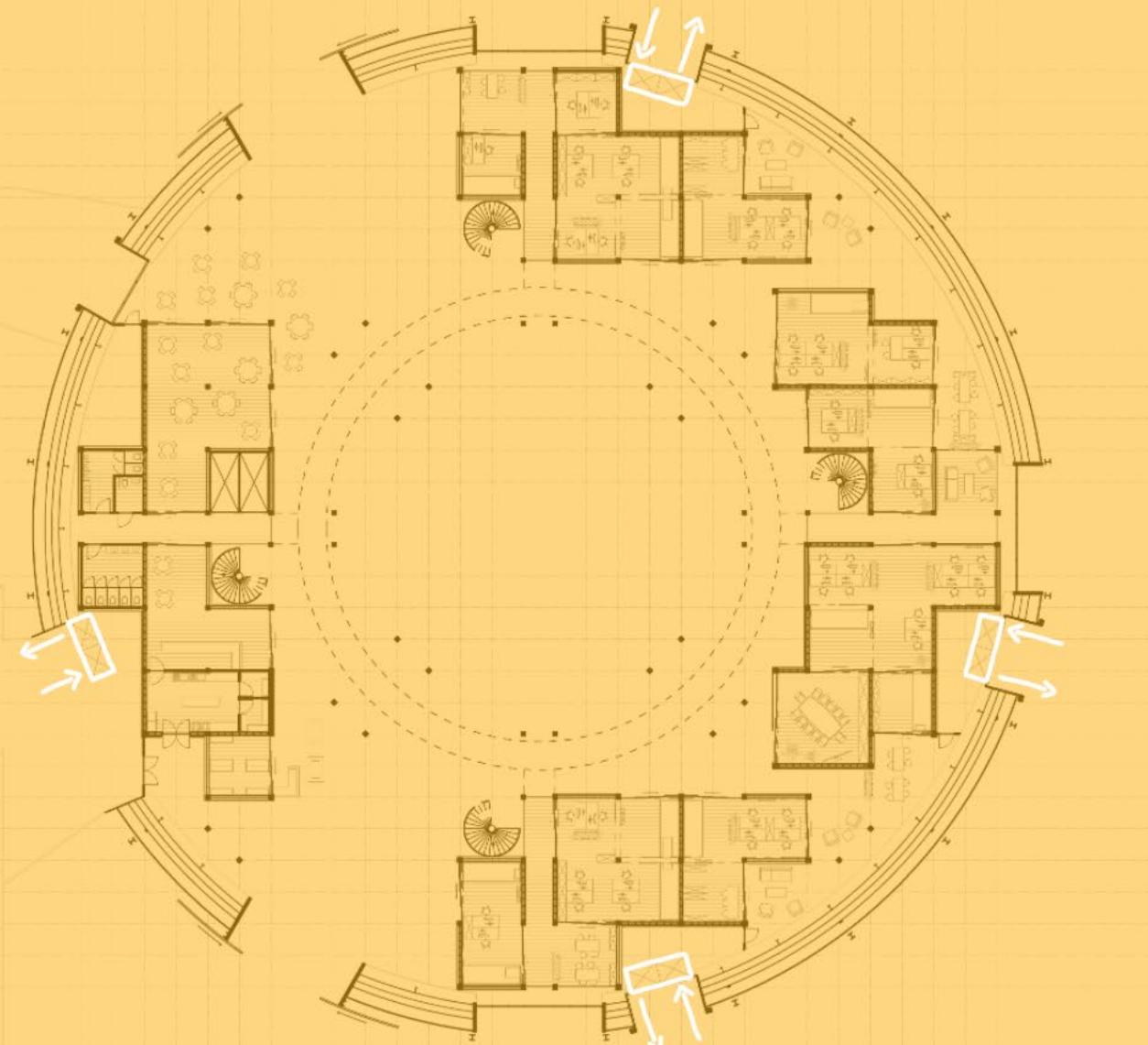






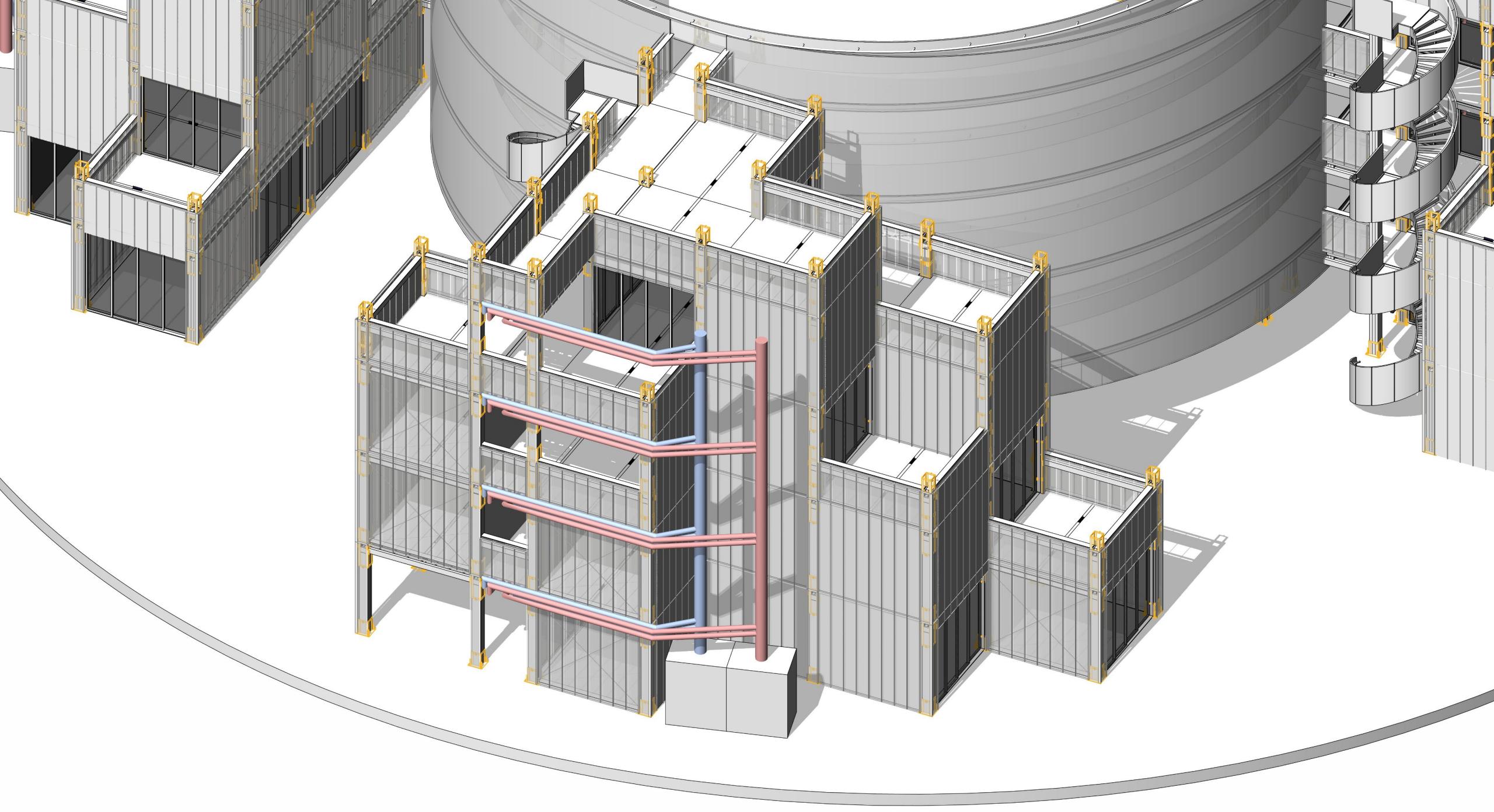


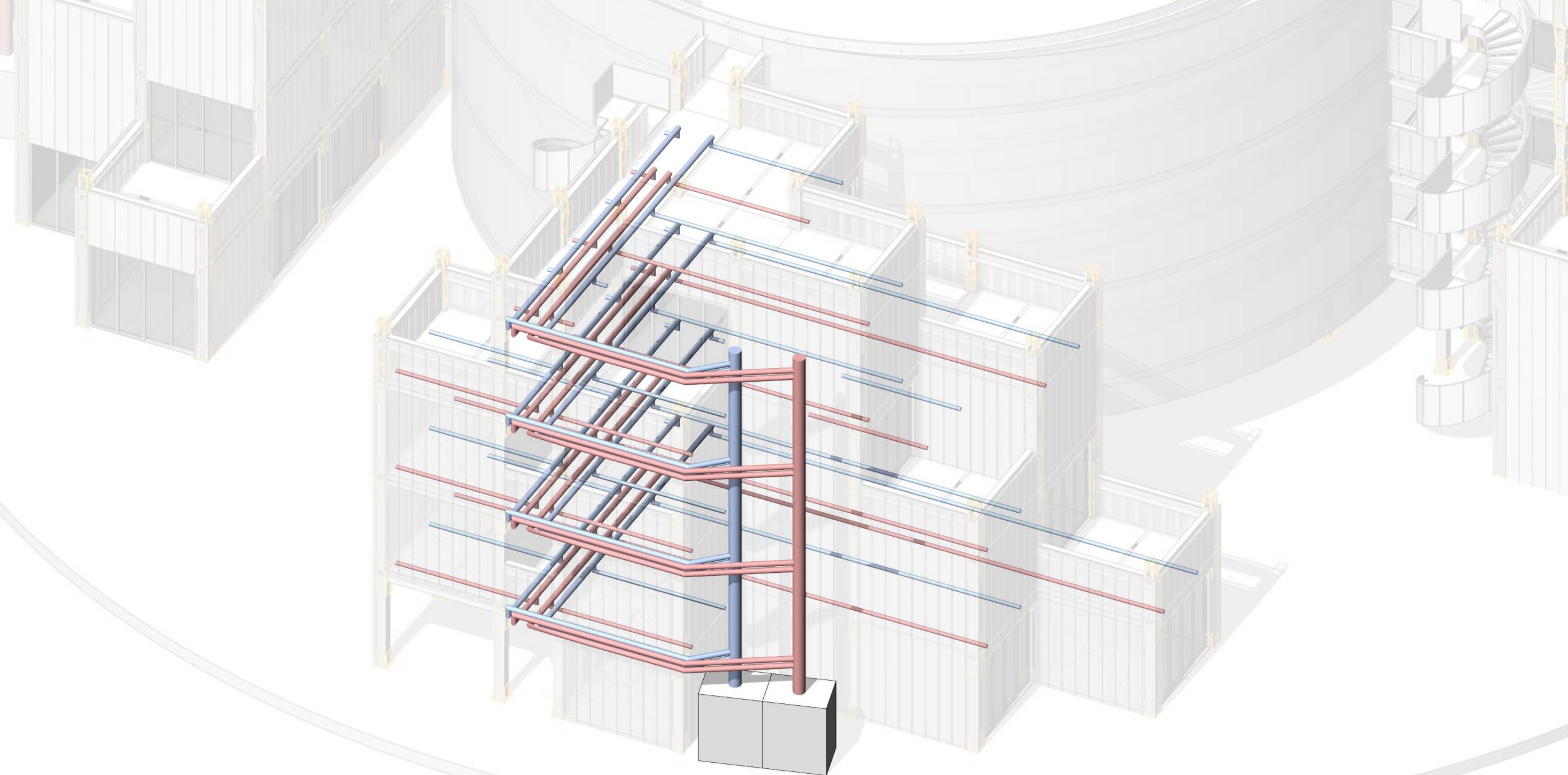


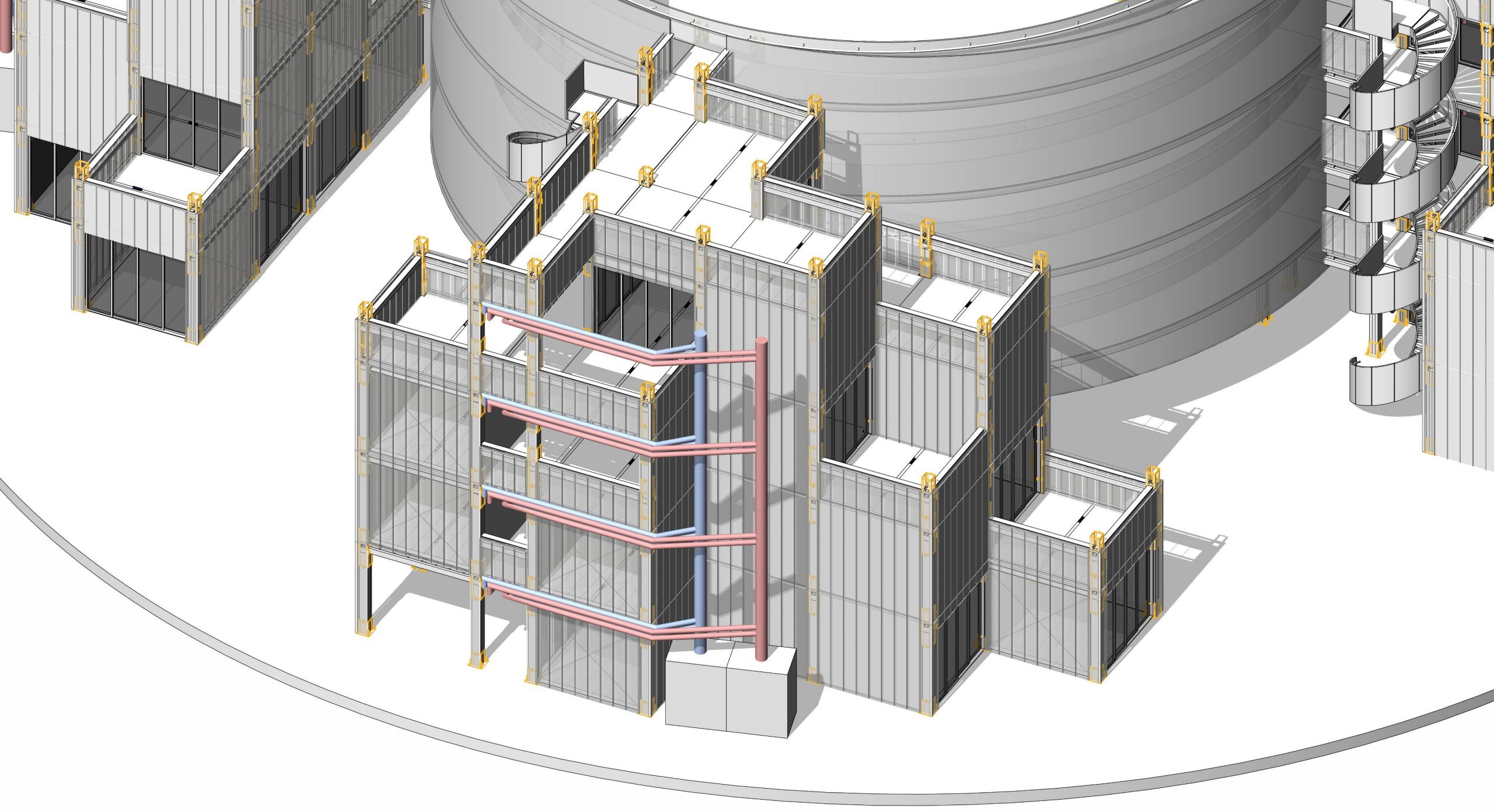


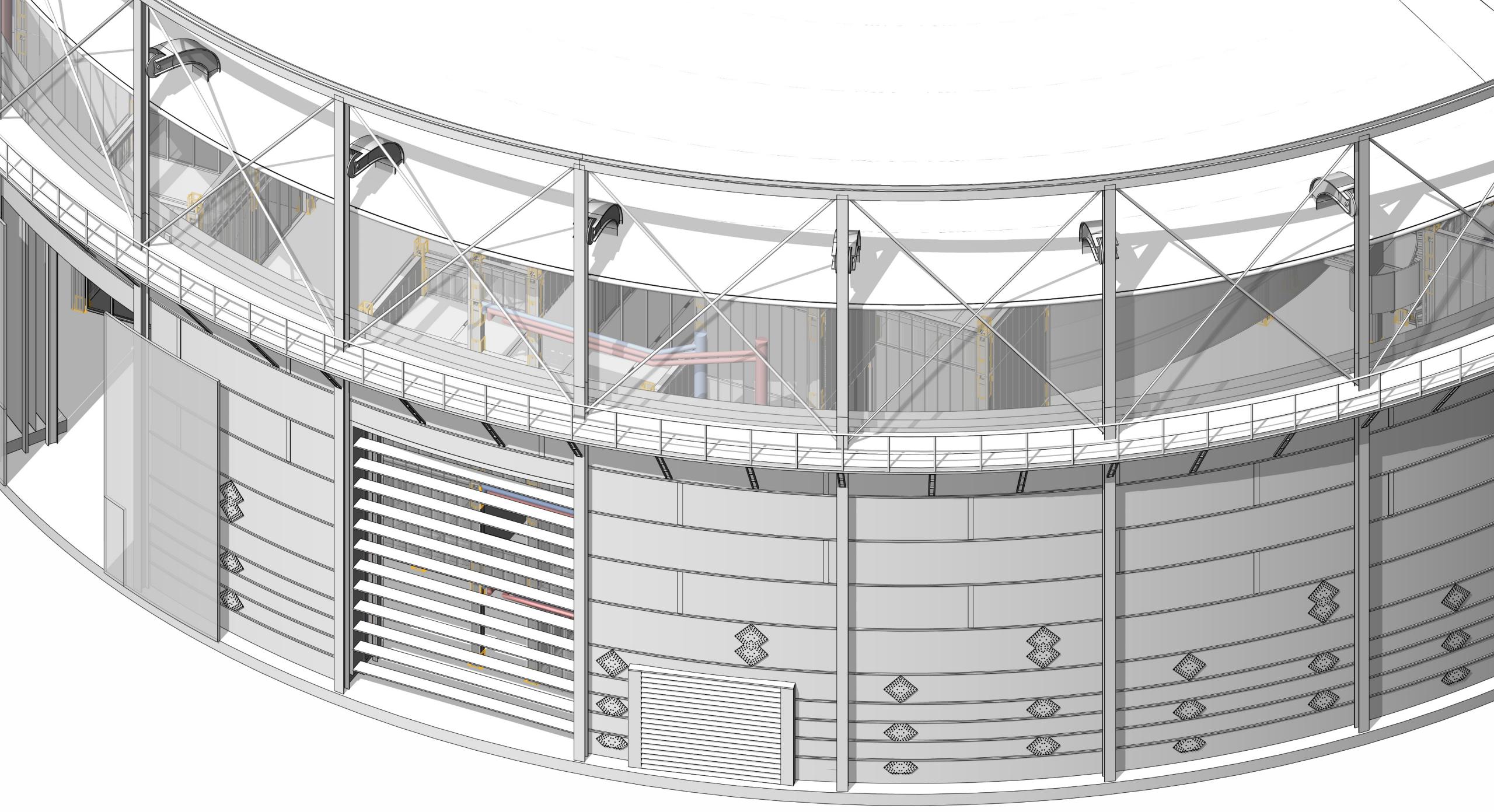
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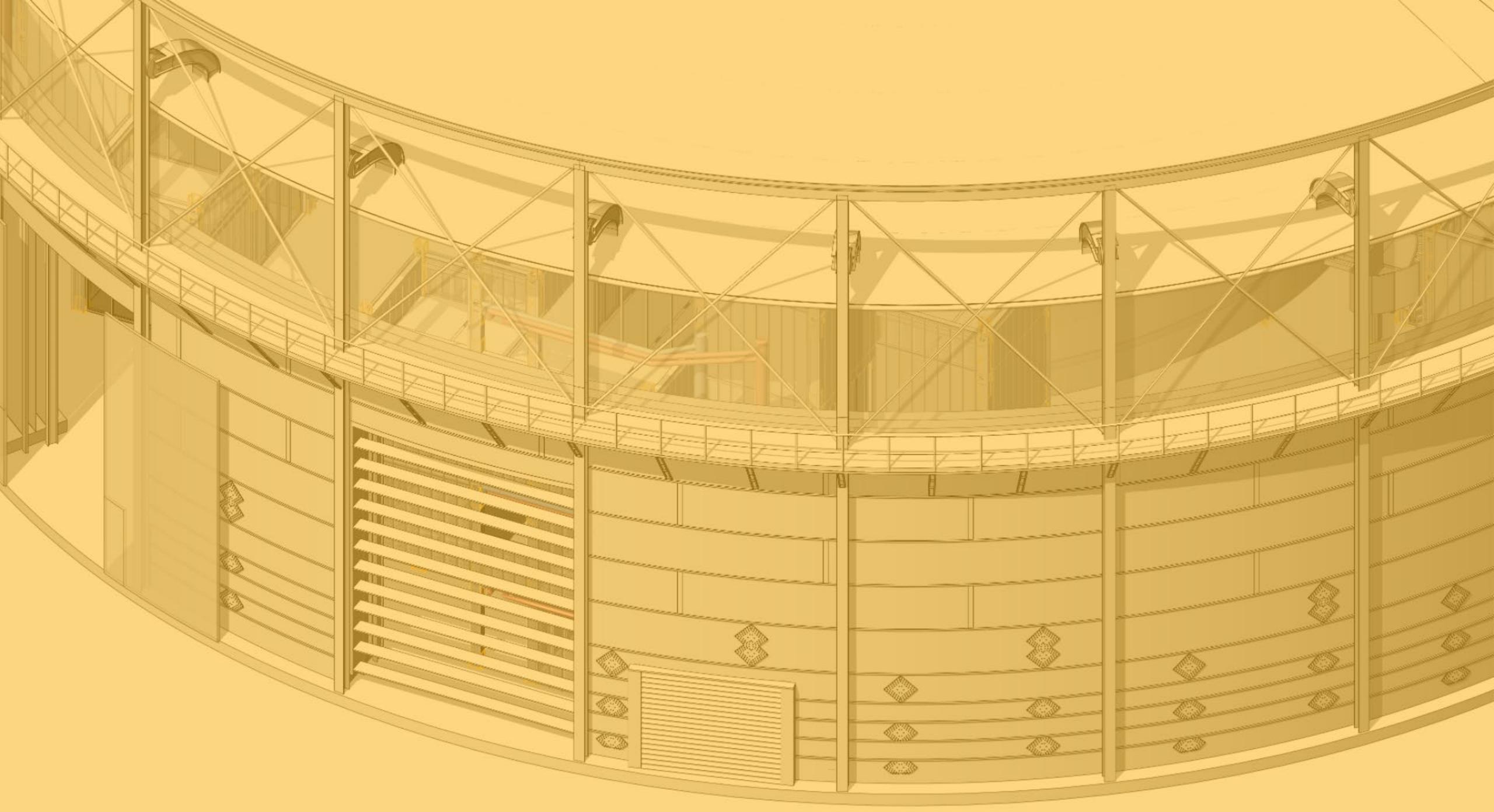
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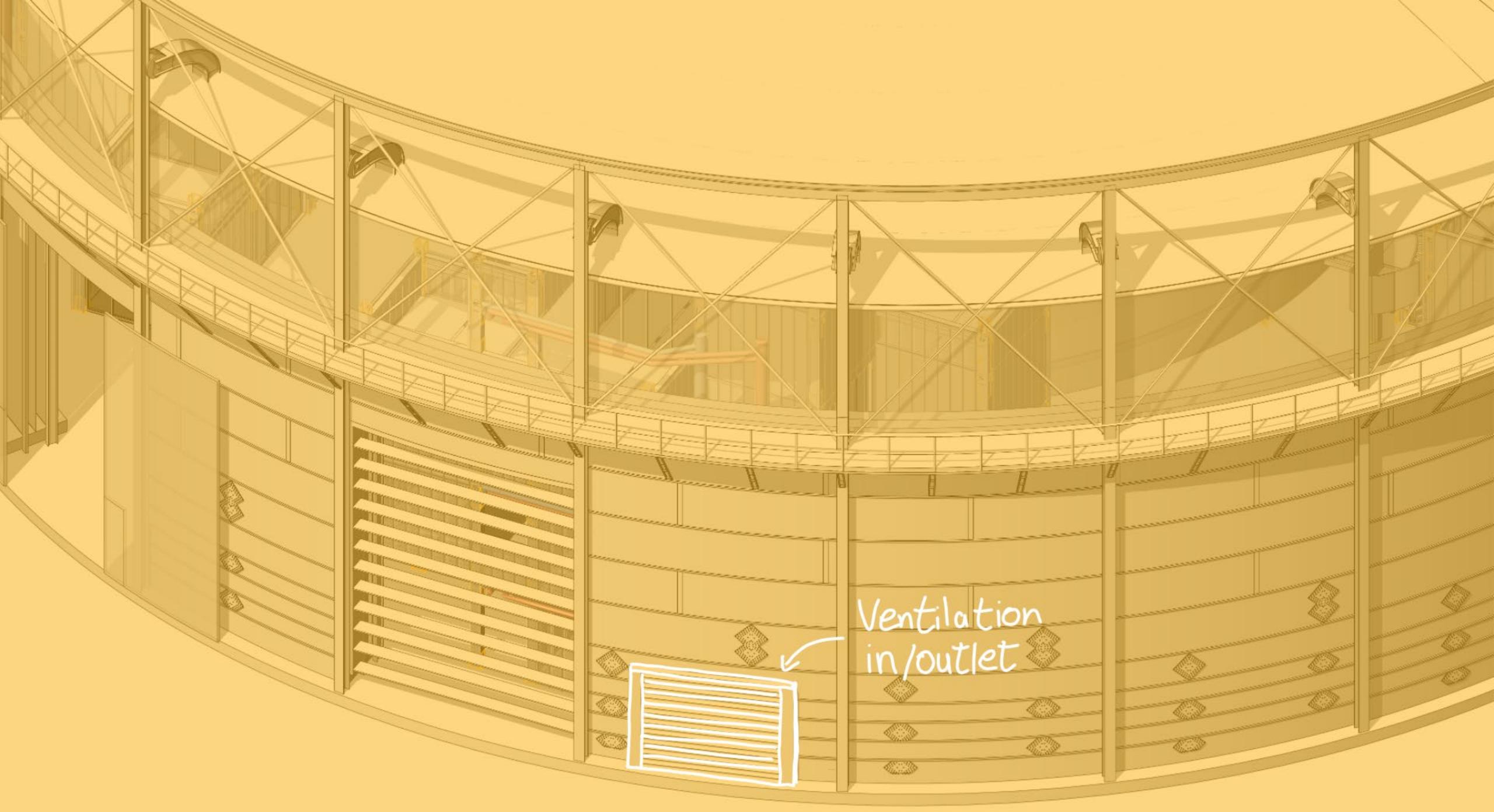




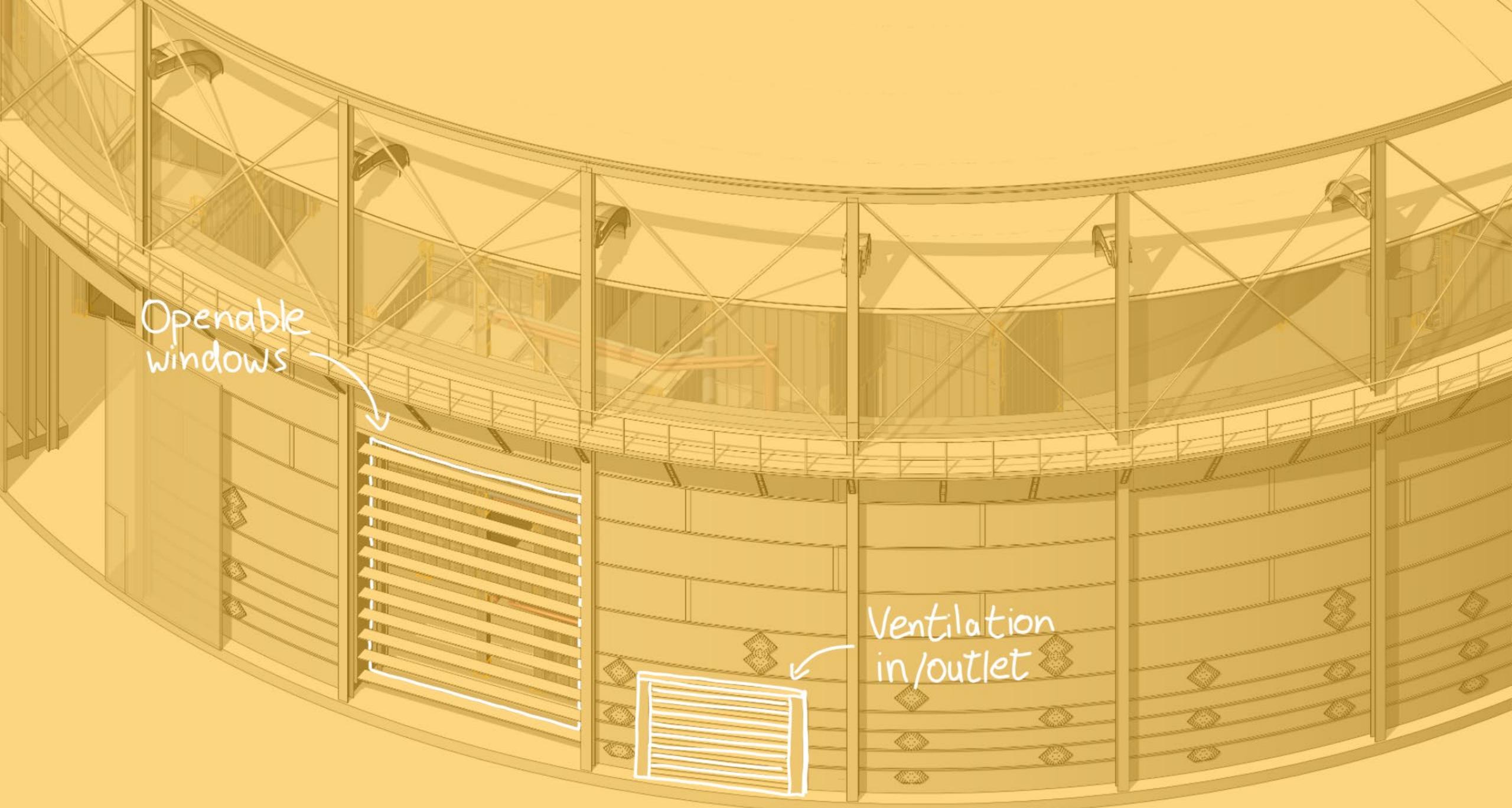


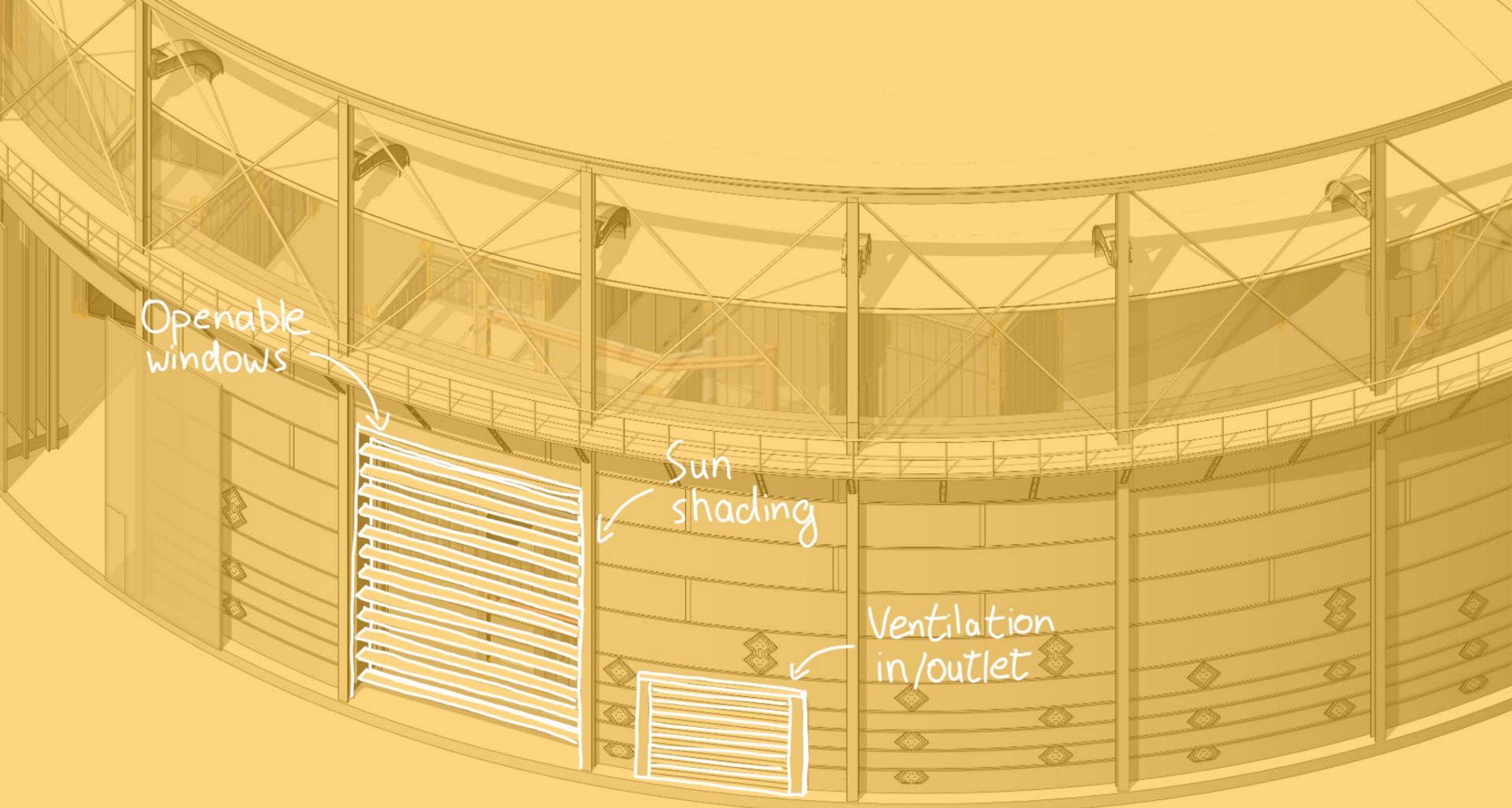


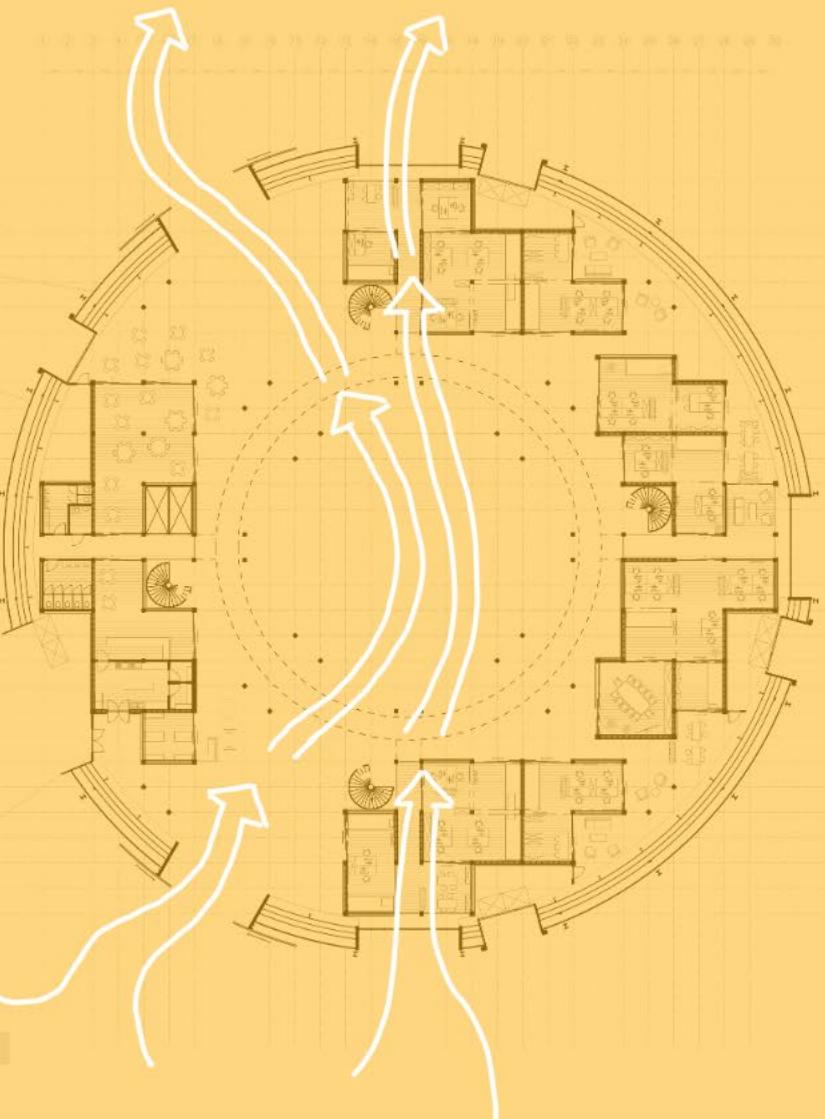




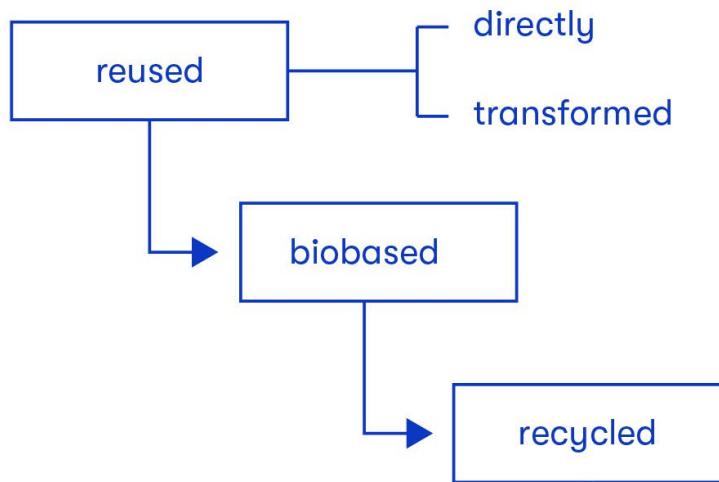
Ventilation
in/outlet



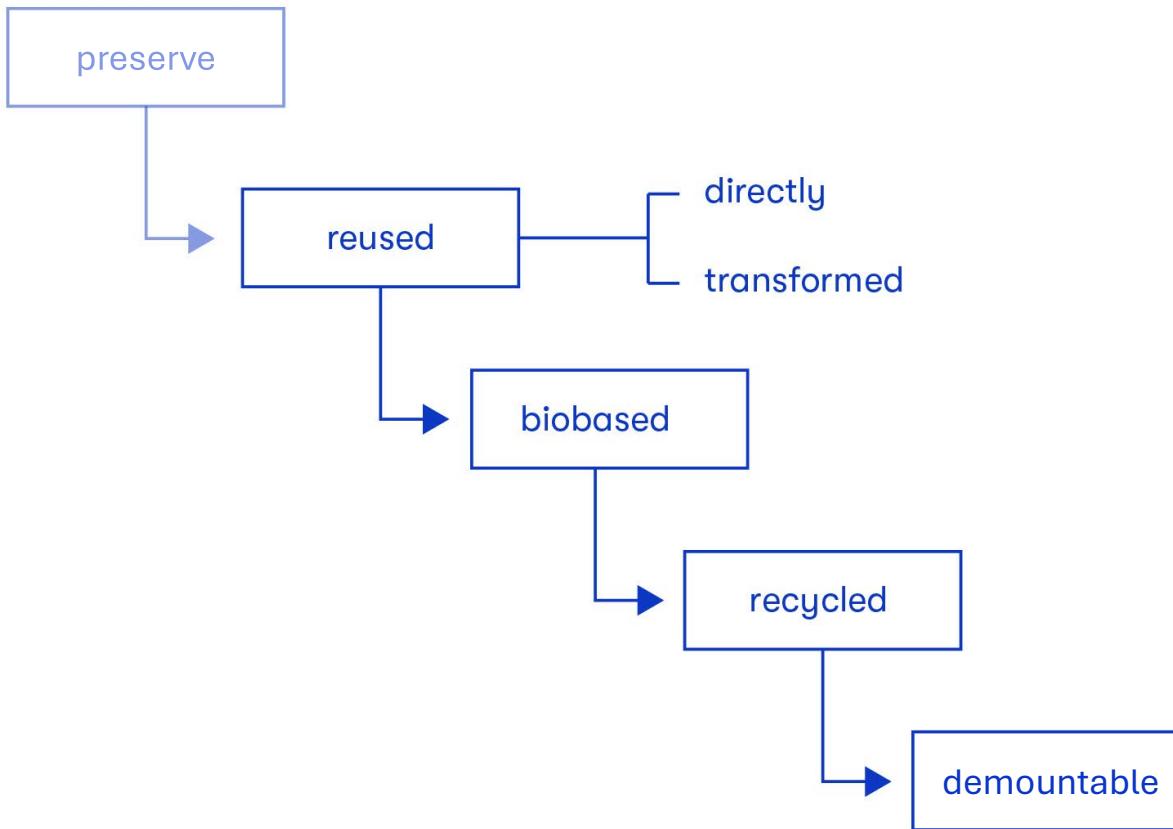




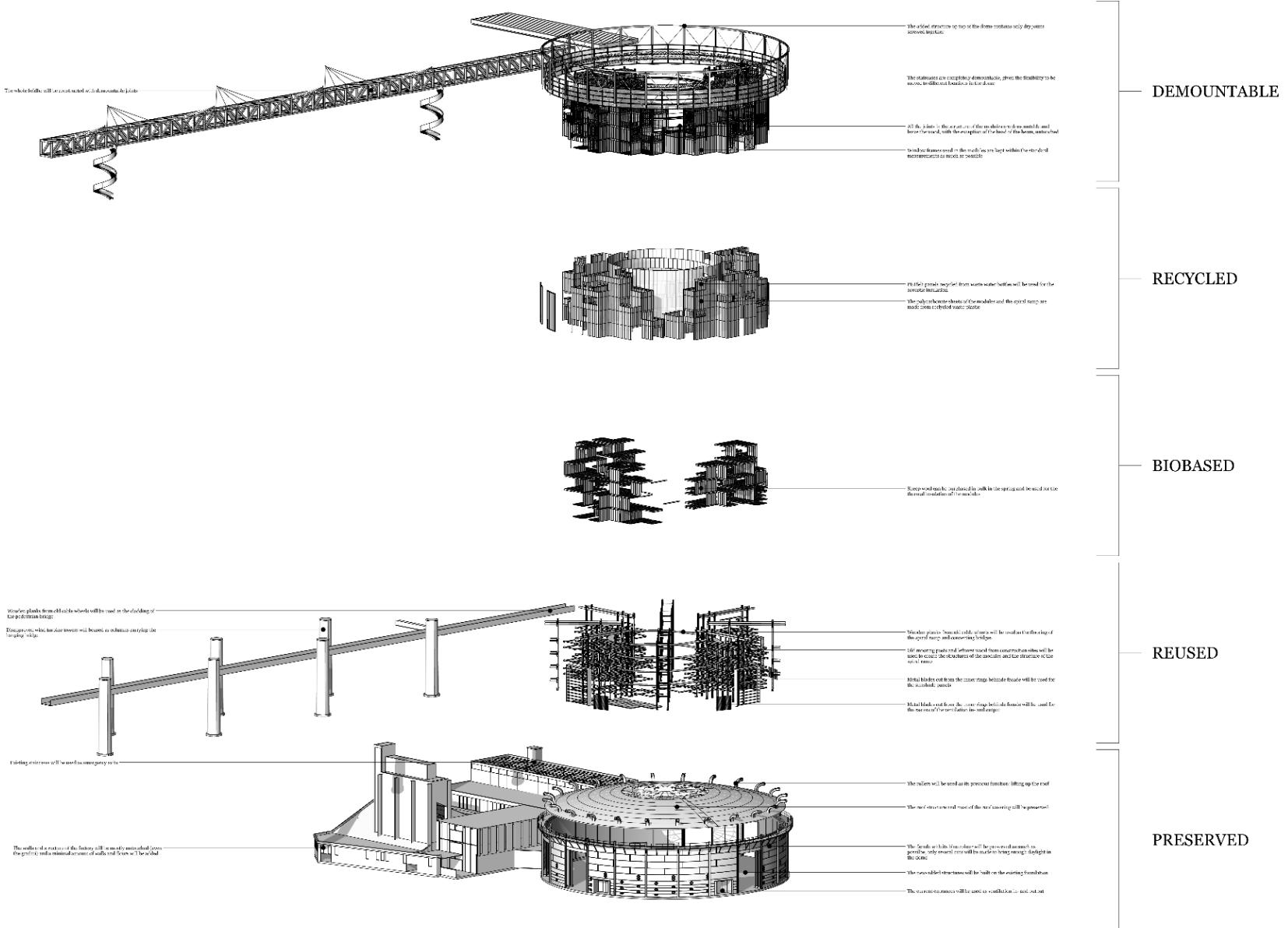
CIRCULARITY



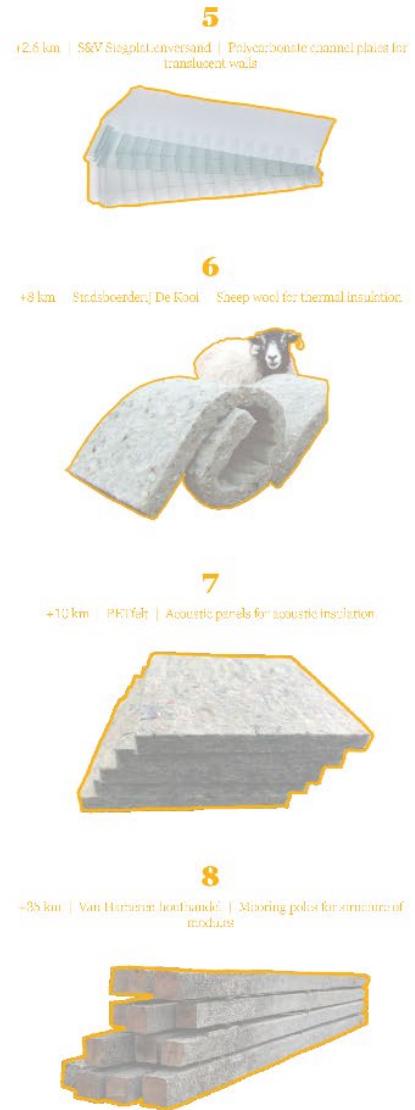
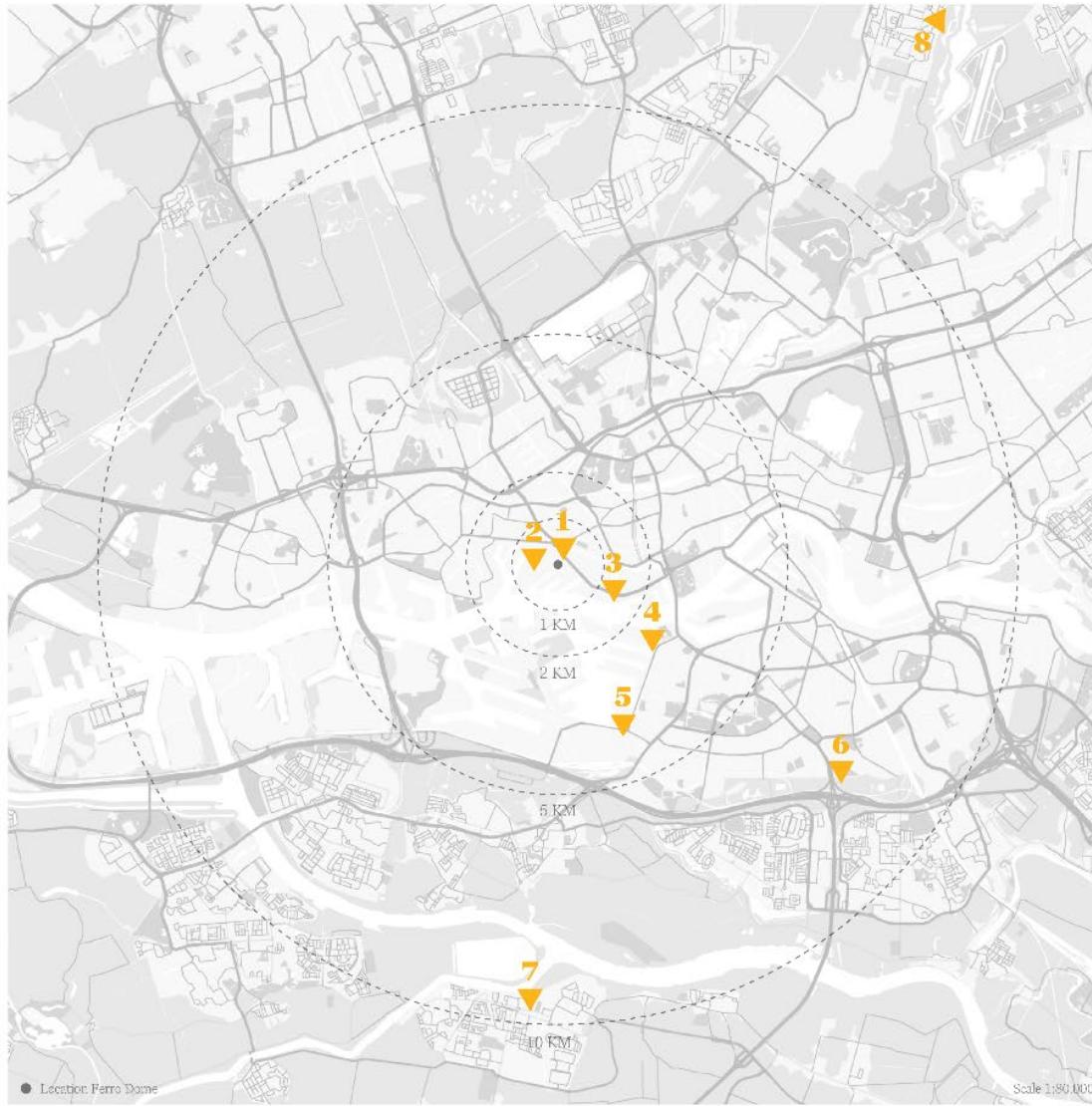
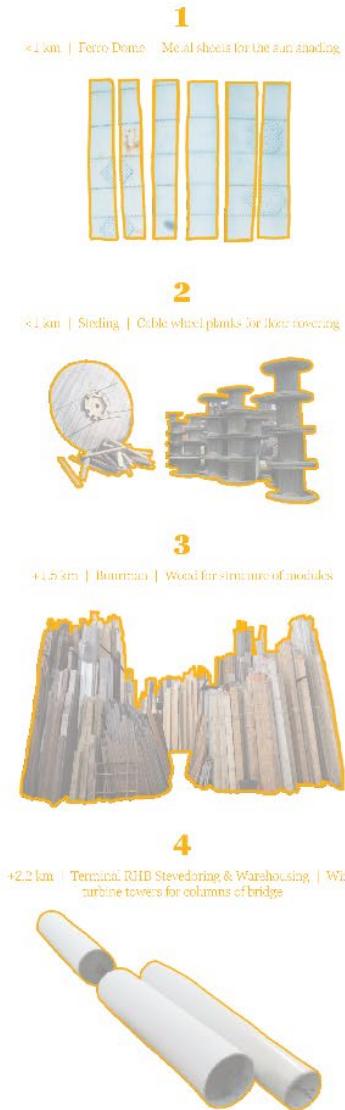
CIRCULARITY



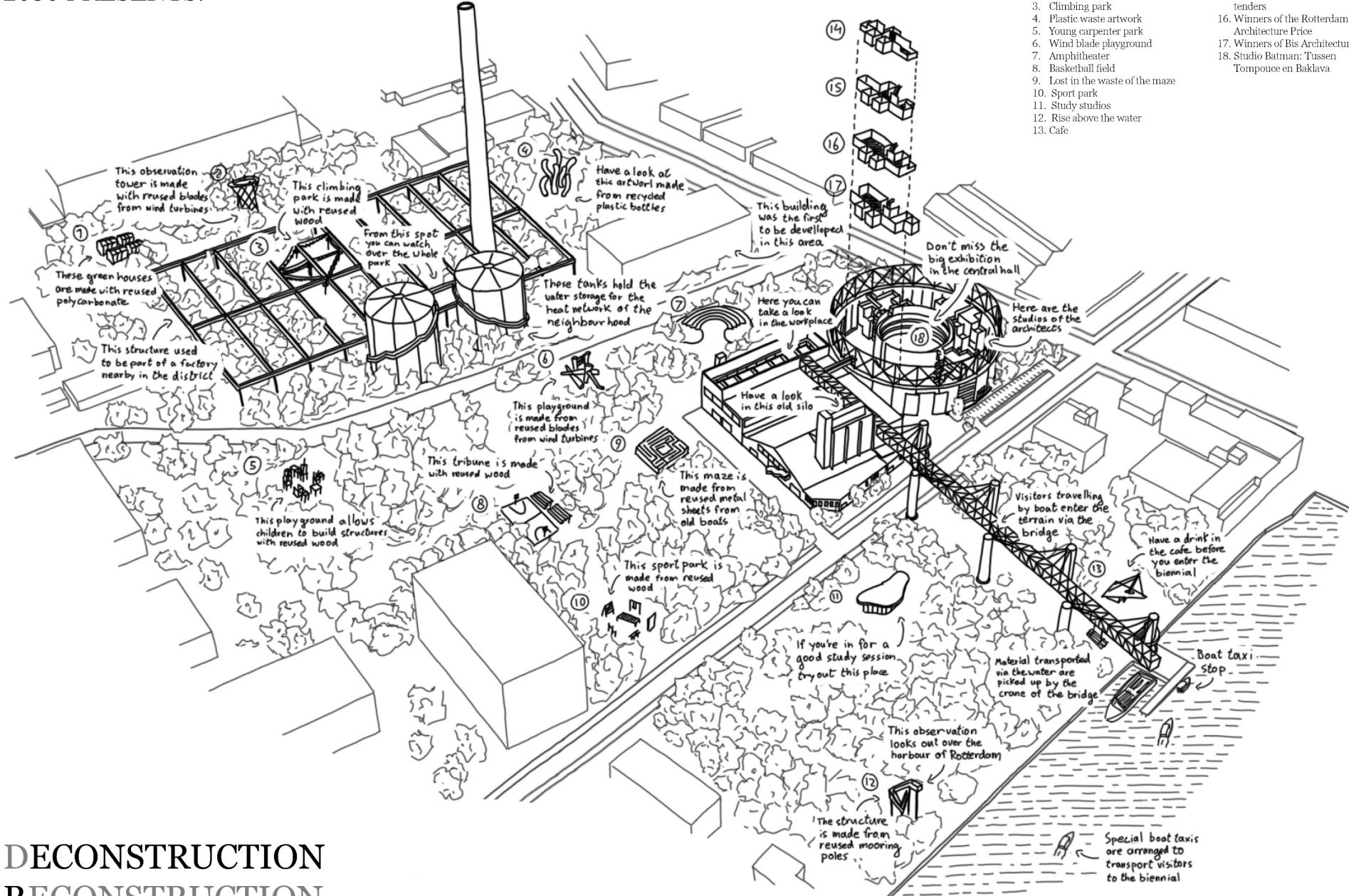
LAYERS OF CIRCULARITY



HARVEST MAP

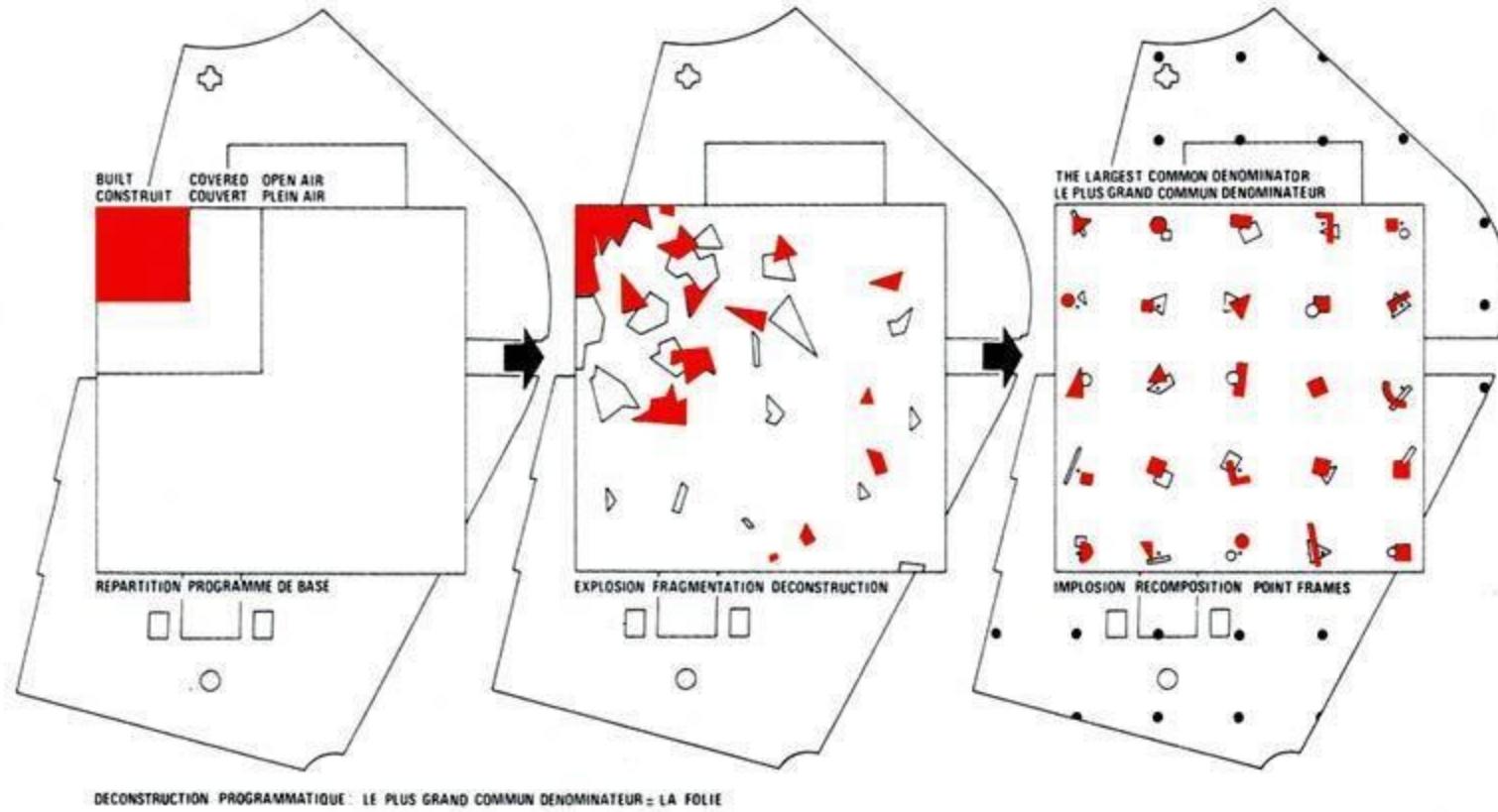


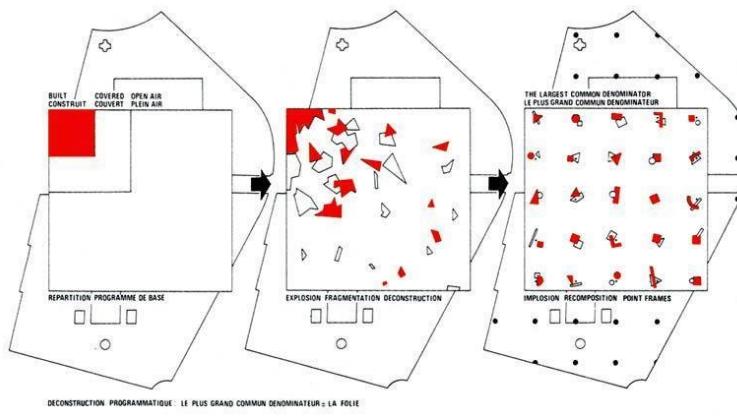
THE ROTTERDAM BIENNIAL
2030 PRESENTS:

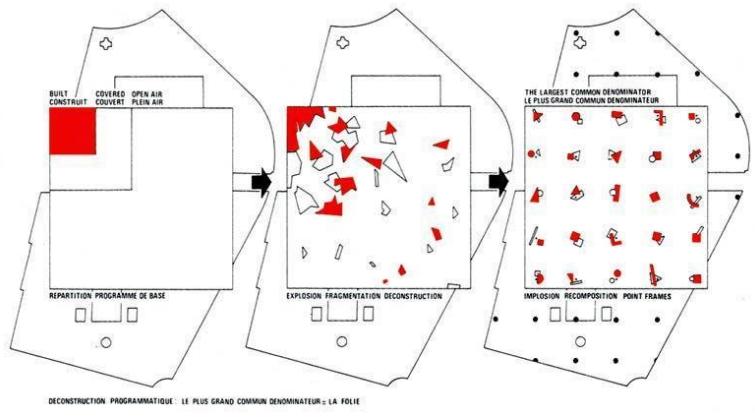


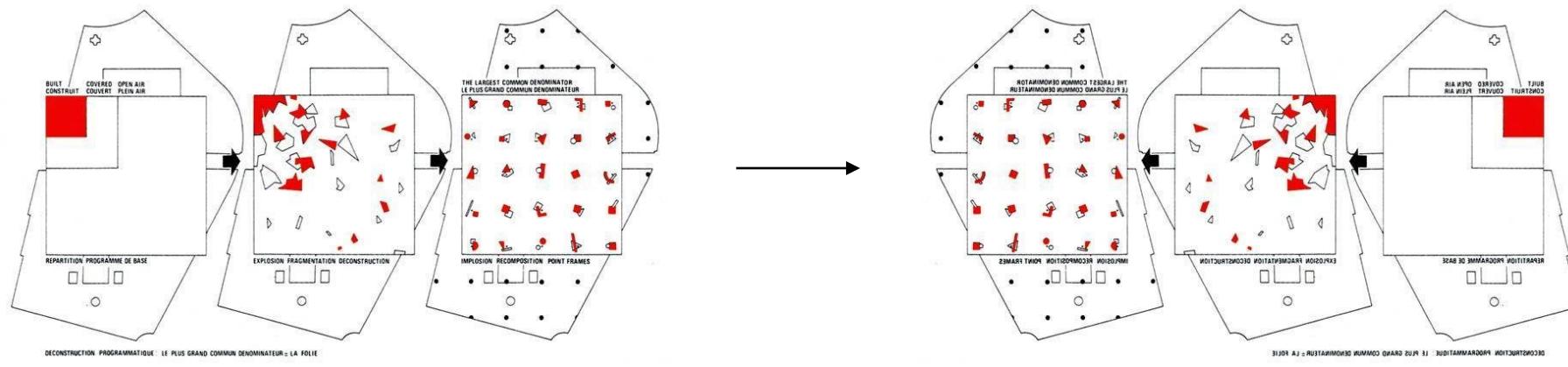
DECONSTRUCTIVISM ARCHITECTURE

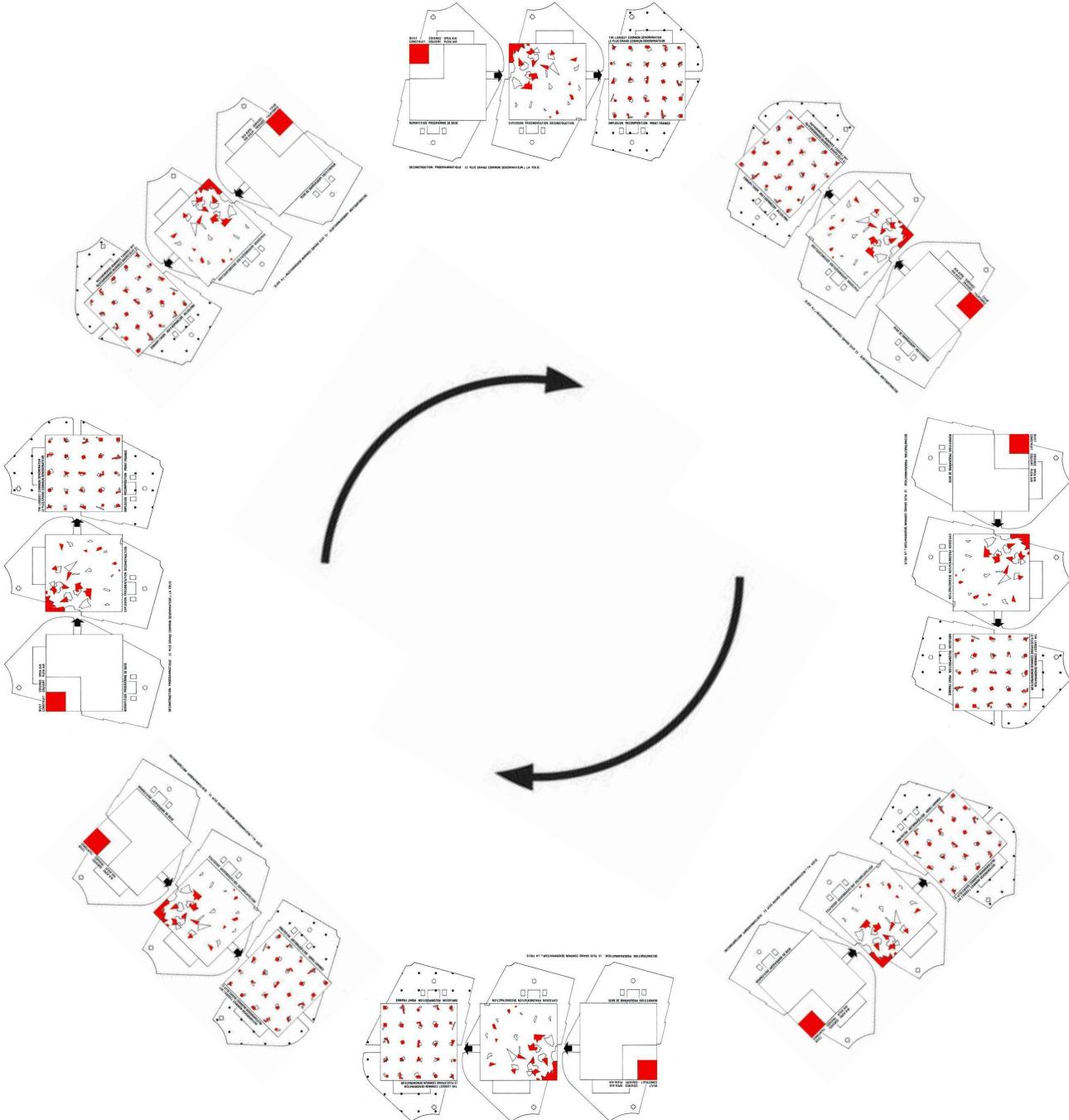
The philosophy behind deconstructivism in architecture is to **question the traditional architectural concepts of shape, function and structure**. They also create more expressive, engaging buildings that reflect their culture and social context.











DECONSTRUCTIVISM

DECONSTRUCTIVISM
RECONSTRUCTIVISM

DECONSTRUCTION RECONSTRUCTION



EXHIBITION

ARCHITECTURAL EXPERIMENTATION

REUSE

DECONSTRUCTION RECONSTRUCTION



EXHIBITION

ARCHITECTURAL EXPERIMENTATION

REUSE