HOUSE OF CREATIVES:
A CREATIVE CONDENSER IN BERLIN

PRESENTATION SLIDES
PUBLIC BUILDING GRADUATION STUDIO

ARNON VAN EMBDEN SPANJAARD
4434900

TU Delft

HOUSE OF CREATIVES

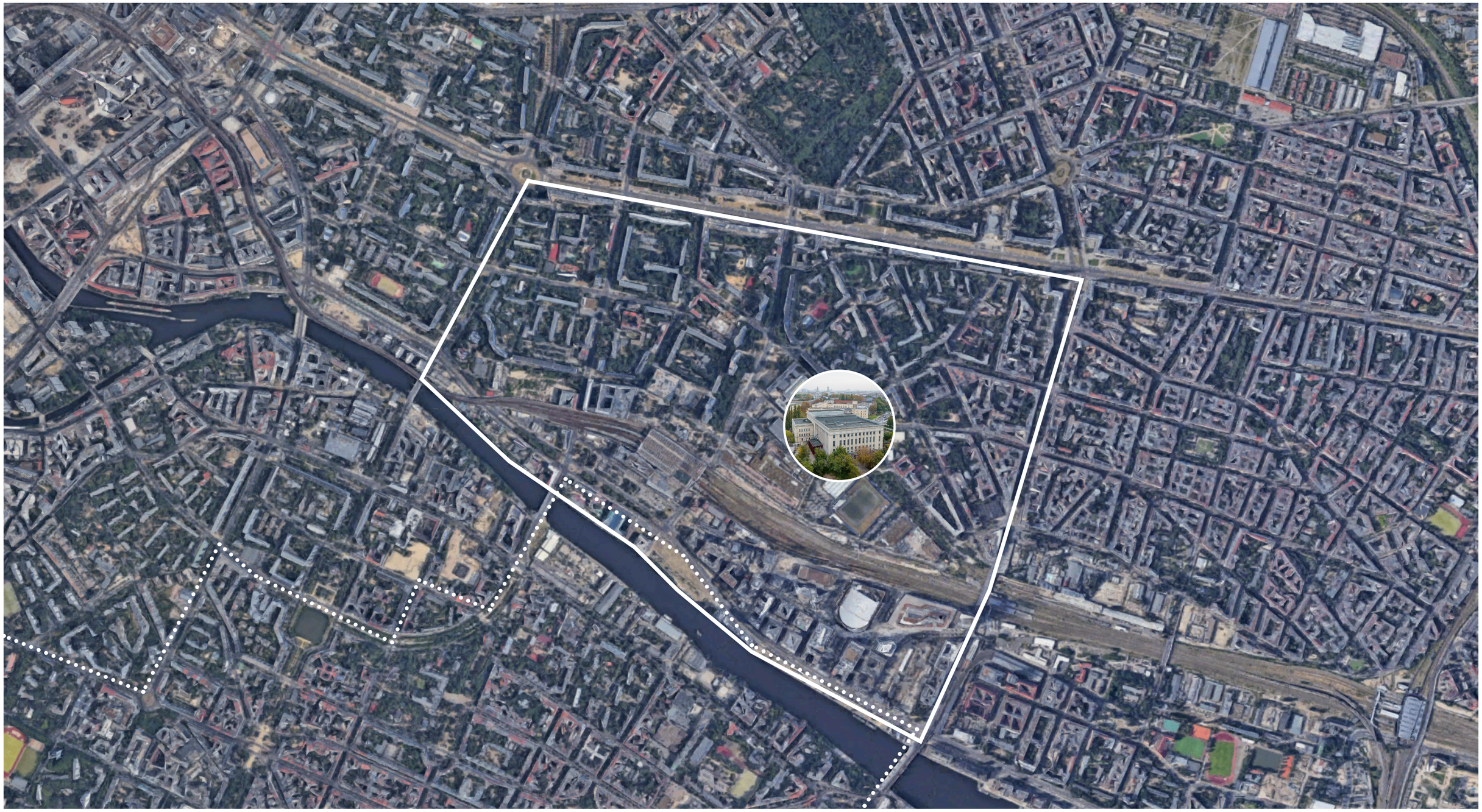
SITE

CONCEPT DEVELOPMENT

ARCHITECTURAL | PROGRAMMATIC | SPATIAL

ARCHITECTURAL DESIGN

HOUSE OF CREATIVES | FRIEDRICHSHAIN



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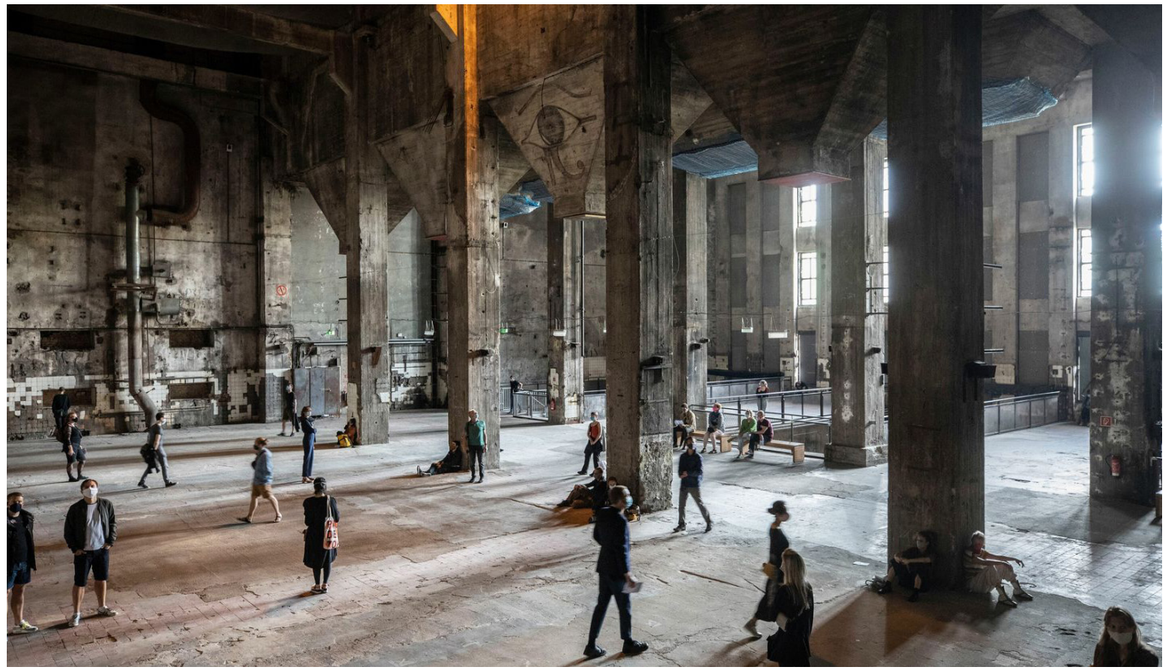
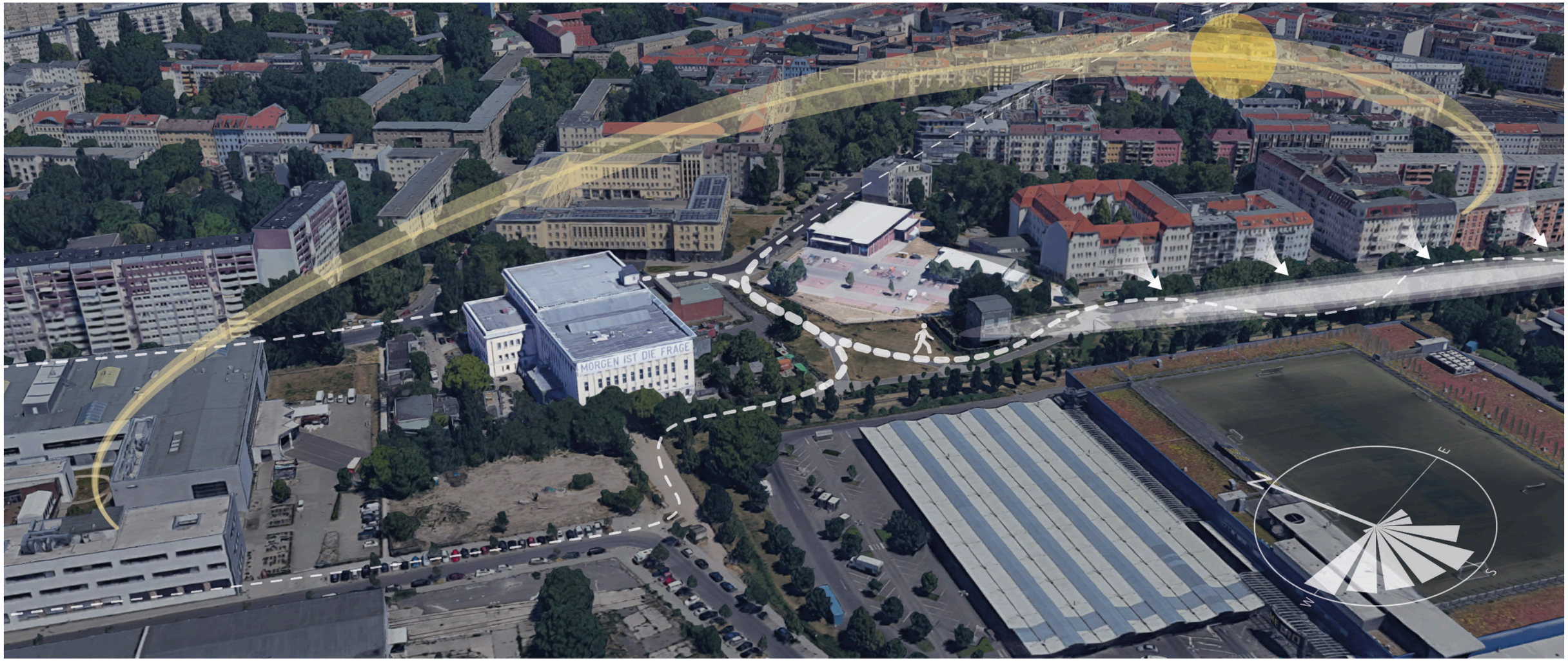


HOUSE OF CREATIVES | SITE

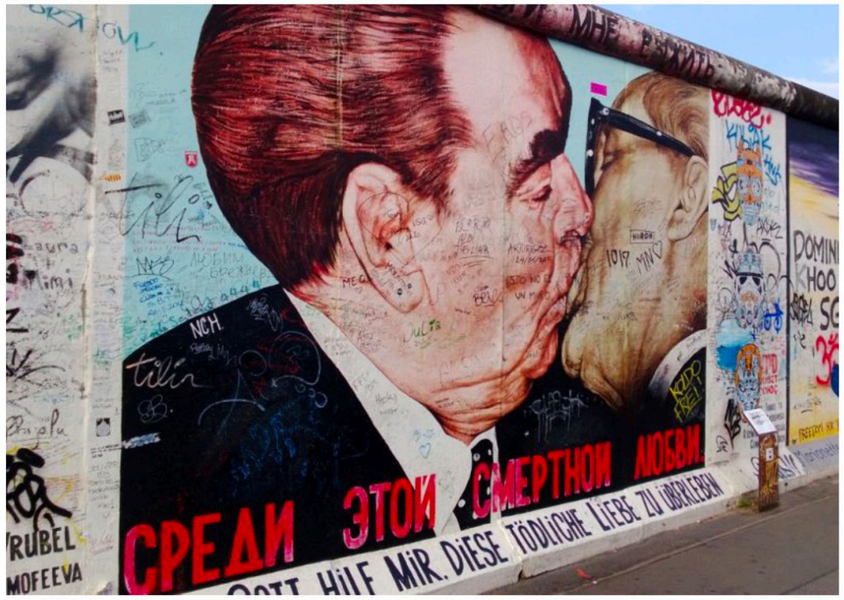
HOUSE OF CREATIVES | PROGRAMMATIC



CONCEPT DEVELOPMENT

PROGRAMMATIC | SPATIAL | ARCHITECTURAL

HOUSE OF CREATIVES | BERLIN



HOUSE OF CREATIVES | PROGRAMMATIC

The Architecture of Community-driven Creative Hubs

Arnon van Embden Spanjaard
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Introduction & Relevance:

In recent years, the term 'hub' has captured the imagination of policy makers, politicians, urban planners, developers, academics and architects. Tied to a broader trending hyperbole about creativity, creative hubs have come to be presented as an unquestionably 'good thing', a cure for all economic ills. A creative hub is interpreted as a place, either physical or virtual, which brings creative people together and provides space and support for networking, business development and community engagement within the creative, cultural and tech sectors.

Problem Statement:

Todays literature on creative hubs is surprisingly scarce and mostly focusses on the typical creative hubs as co-working spaces, led by entrepreneurs, which are build around a certain economic interest. Recently, a different type of creative hubs has emerged, which is community-driven. Unlike the entrepreneurial-led co-working spaces that represent enterprises renting out individualised workspaces to creative professionals, the community-driven ones are usually non-profit ventures that accommodate creatives with a kind of social and even political proximity between them. These community-driven creative hubs can play an important role in our future cities and, seen as building program, require insight on architectural conditions.

Methodology:

This research focusses on the community-driven creative hubs within the context of the Media Spree, which is a redevelopment plan in East-Berlin improving the city's creative industries. By doing research on this creative hub type from an architectural point of view, a (new) building typology will be introduced. The research will be accomplished through an elaborate literature study, supported by an analysis of relevant reference projects (if any). Additionally, a design research following the principals of 'research by design' will be carried out to explore the community-driven creative hub as a building typology. The aim of the research is to provide a clear understanding of the meaning and potential of community-driven creative hubs and set guidelines for the design of this (new) building typology.

Bibliography

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Avdikos, V. & Iliopoulou, E. (2019). Community-Led Coworking Spaces: From Co-location to Collaboration and Collectivization. Creative Hubs in Question, 111–129. https://doi.org/10.1007/978-3-030-10653-9_6

Gill, R., Pratt, A. C. & Virani, T. E. (2019). Creative Hubs in Question: Place, Space and Work in the Creative Economy (Dynamics of Virtual Work) (1st ed. 2019). Palgrave Macmillan.

Jakob, D. (2010). Constructing the creative neighborhood: Hopes and limitations of creative city policies in Berlin. City, Culture and Society, 1(4), 193–198. https://doi.org/10.1016/j.ccs.2011.01.005

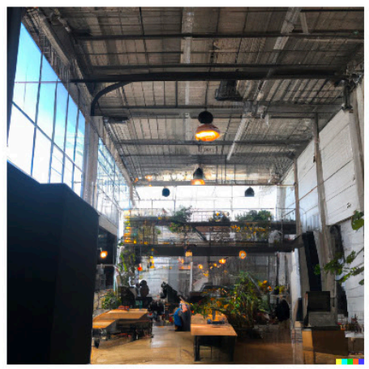
Lee, D. (2019). Creative Hubs, Cultural Work and Affective Economies: Exploring 'Unspeakable' Experiences for Young Cultural Workers. Creative Hubs in Question, 69–88. https://doi.org/10.1007/978-3-030-10653-9_4

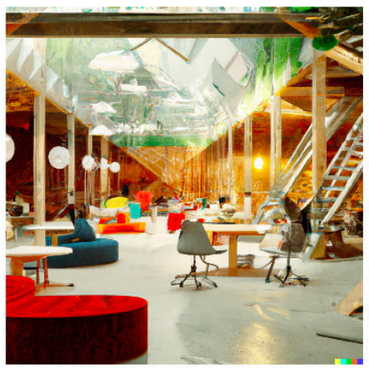
Merkel, J. (2019). Curating Strangers. Creative Hubs in Question, 51–68. https://doi.org/10.1007/978-3-030-10653-9_3

Morgan, G. & Woodriff, J. (2019). Herding Cats: Co-work, Creativity and Precarity in Inner Sydney. Creative Hubs in Question, 29–50. https://doi.org/10.1007/978-3-030-10653-9_2

Porter, L. & Shaw, K. (2013). Whose Urban Renaissance?: An international comparison of urban regeneration strategies. Taylor & Francis.

Puchta, D. (2010). The Berlin Creative Industries. Gabler Verlag] Gwv Fachverlage Gmbh.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"THE ARCHITECTURE OF COMMUNITY-DRIVEN CREATIVE HUBS"

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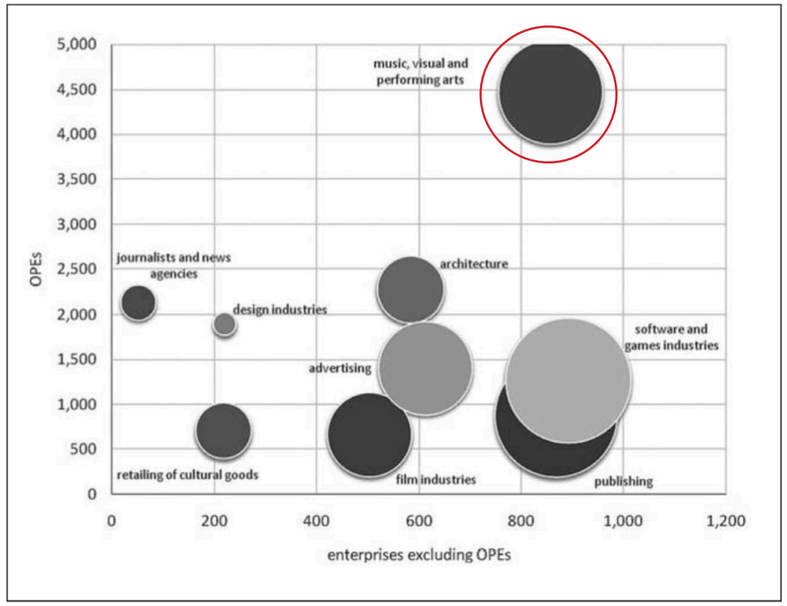


Figure 4: The Berlin Creative Industries – Enterprises, OPEs and Employees

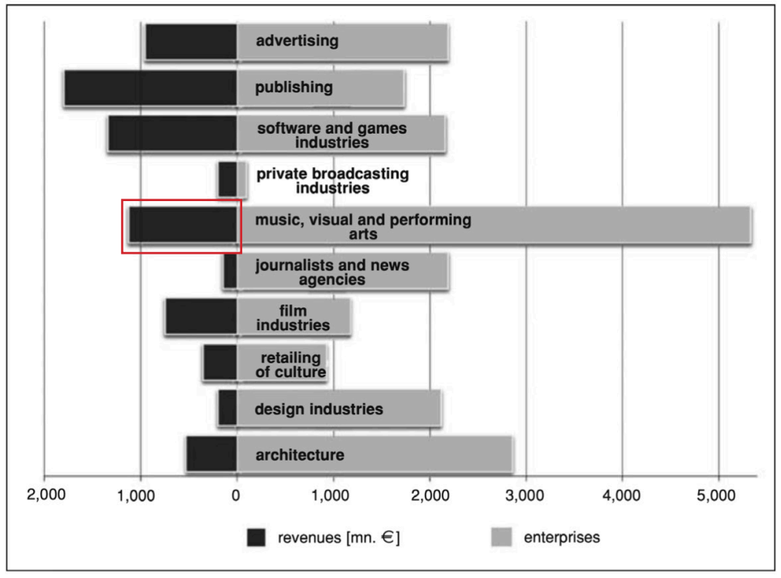


Figure 5: The Berlin Creative Industries – Enterprises and Revenues [mn. €]

Table 16: Music, Visual and Performing Arts – Employees

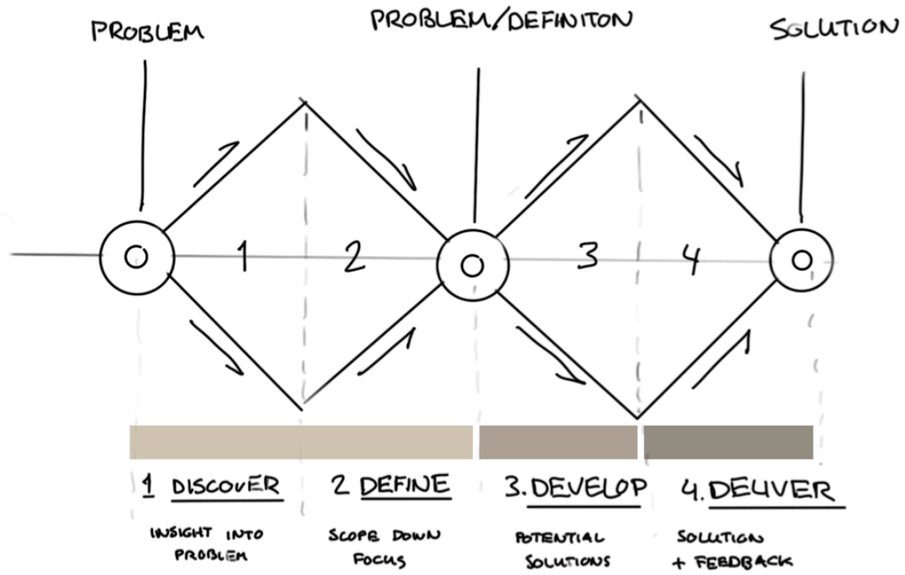
economic sectors	enterprises				revenues [th. €]			
	total	%	OPEs	%	total	%	OPEs	%
theater ensembles	16	0.3	4	0.1	16,047	1.4	584	0.1
ballet groups, orchestras, chapels, choirs	60	1.1	7	0.2	38,744	3.4	2,921	0.7
freelance visual artists	629	11.8	595	13.3	56,129	5.0	50,834	12.9
freelance restorers	137	2.6	121	2.7	12,955	1.1	7,577	1.9
freelance composers and processors of music	230	4.3	198	4.4	31,284	2.8	17,766	4.5
freelance writers	719	13.5	709	15.9	50,184	4.4	49,091	12.4
freelance stage-, film-, radio- and TV-artists	1,699	31.9	1,649	36.9	140,366	12.4	133,152	33.7
freelance artists	89	1.7	75	1.7	5,246	0.5	4,551	1.2
theater- and concert managers	133	2.5	51	1.1	178,162	15.8	8,084	2.0
operas, theaters, concert halls and similar institutions	20	0.4	5	0.1	53,909	4.8	295	0.1
varieté and cabaret	12	0.2	3	0.1	2,820	0.2	160	0.0
technical support for cultural services	436	8.2	397	8.9	66,835	5.9	29,718	7.5
showmen and amusement parks	57	1.1	48	1.1	12,643	1.1	9,715	2.5
dance schools	82	1.5	57	1.3	10,191	0.9	5,959	1.5
supply of other cultural and entertainment services	87	1.6	56	1.3	41,852	3.7	4,126	1.0
Photography	401	7.5	357	8.0	46,768	4.1	32,383	8.2
photo laboratories	38	0.7	22	0.5	21,651	1.9	2,600	0.7
discotheques and dance halls	51	1.0	37	0.8	18,746	1.7	5,845	1.5
libraries and reader circles	4	0.1	–	–	1,766	0.2	–	–
sculpture and masonry	62	1.2	38	0.8	14,420	1.3	6,206	1.6
artist blacksmiths	20	0.4	12	0.3	26,078	2.3	958	0.2
manufacturing of adornment from noble metal	35	0.7	–	–	10,624	0.9	–	–
manufacturing of gold- and silversmith products	84	1.6	–	–	7,545	0.7	–	–
manufacturing of musical instruments	43	0.8	31	0.7	65,189	5.8	22,301	5.6
supply of other services for entertainment, recreation and leisure	185	3.5	–	–	200,789	17.8	–	–
total	5,329	100	4,472	100	1,130,943	100	394,826	100

Source: Bundesagentur für Arbeit, Statistik-Service Ost and own calculations

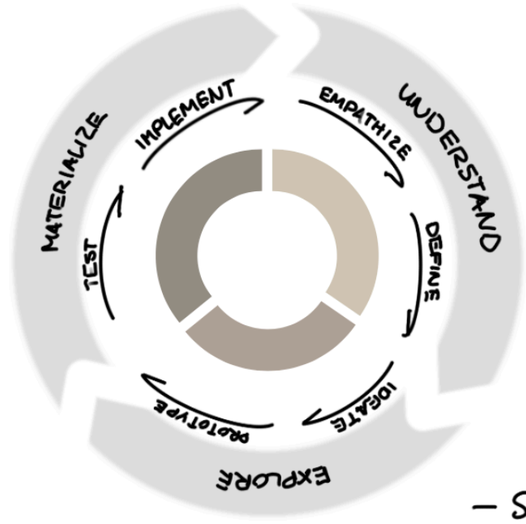
‘MUSIC, VISUAL AND PERFORMING ARTS’

Puchta, D. (2010). The Berlin Creative Industries. Gabler Verlag] Gwv Fachverlage Gmbh.

HOUSE OF CREATIVES | PROGRAMMATIC



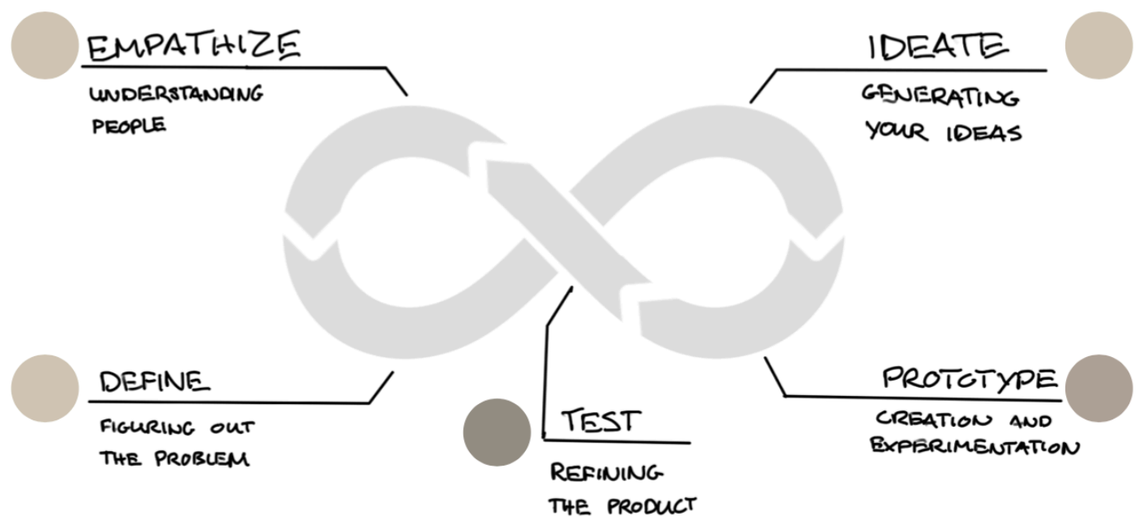
— B.H. BANATHY (1996)



— SARAH GIBBONS (2016)
NNGROUP

1. PREPARATION : "GATHERING MATERIAL"
2. INCUBATION : "LET YOUR UNCONSCIOUS CULTIVATE"
3. ILLUMINATION : RECOGNIZE & EXPERIENCE THE IDEA
4. VERIFICATION : PREPARING FOR OTHERS TO EXPERIENCE

— HERBERT LUI



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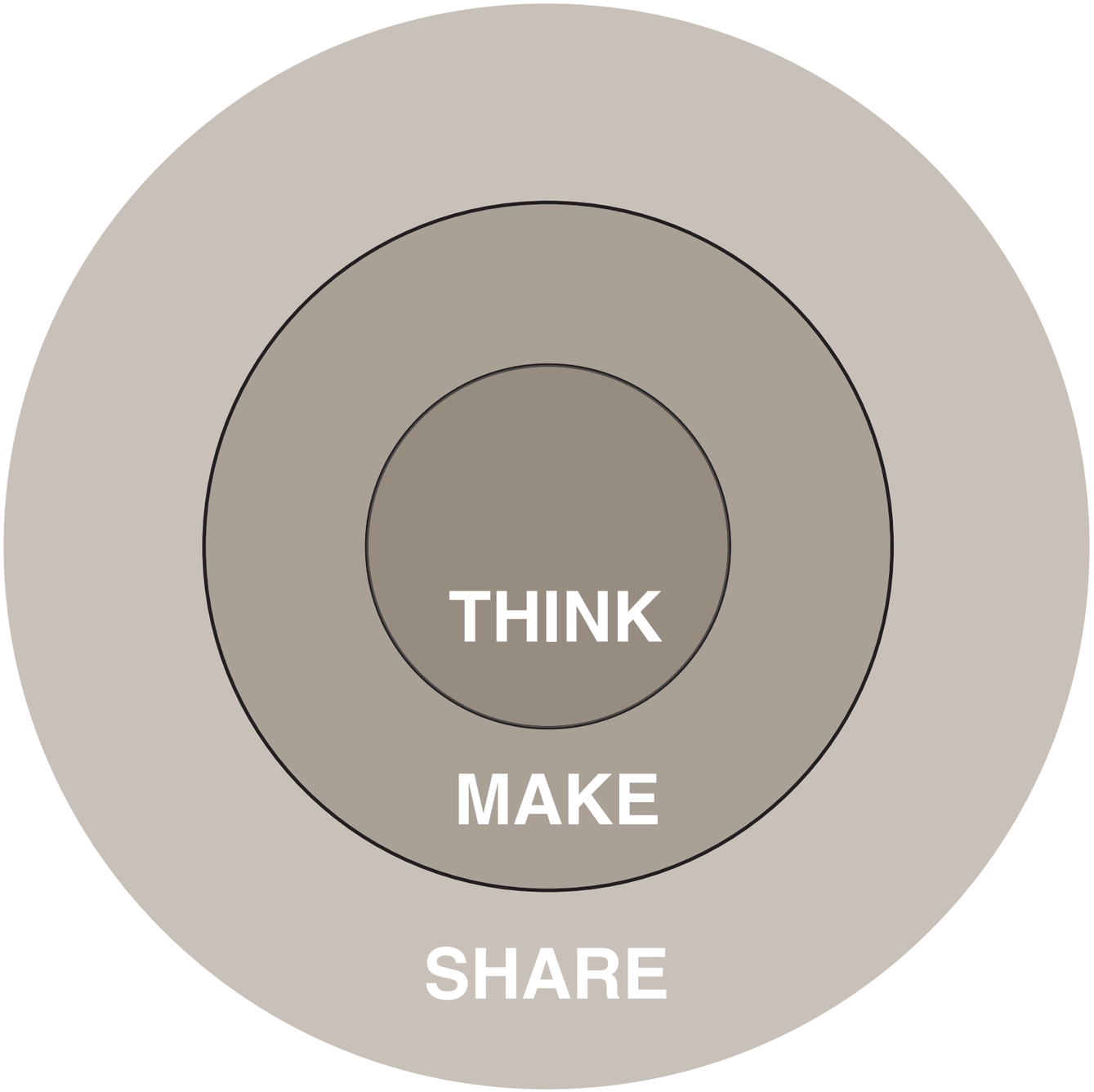

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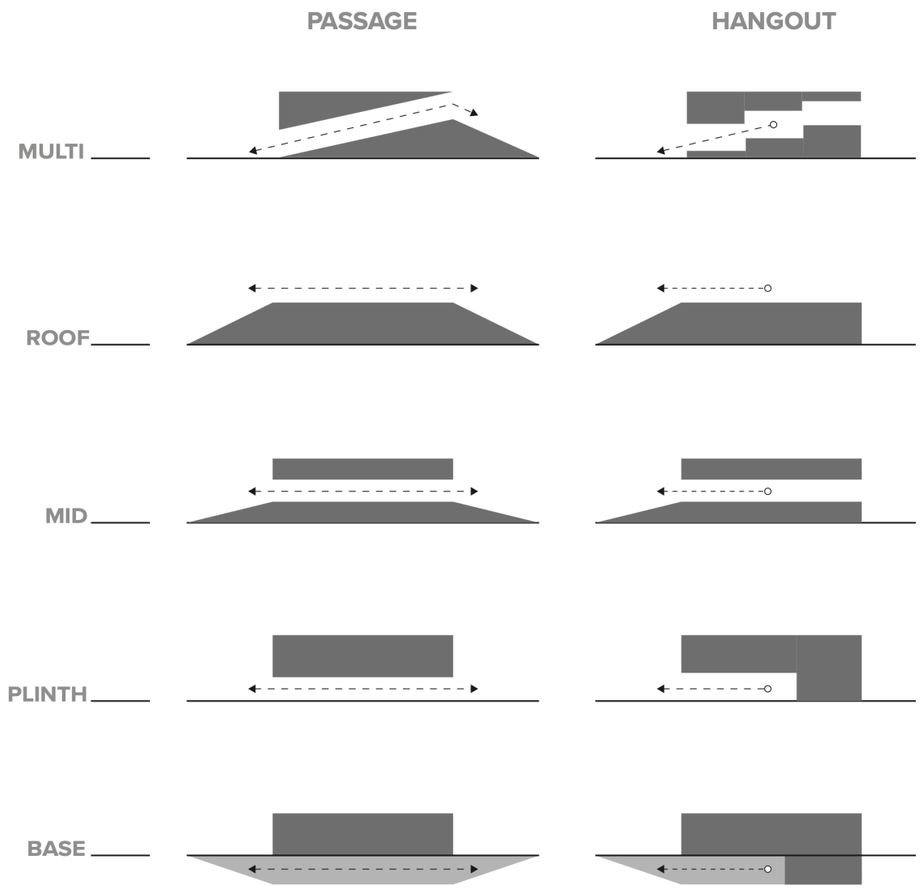

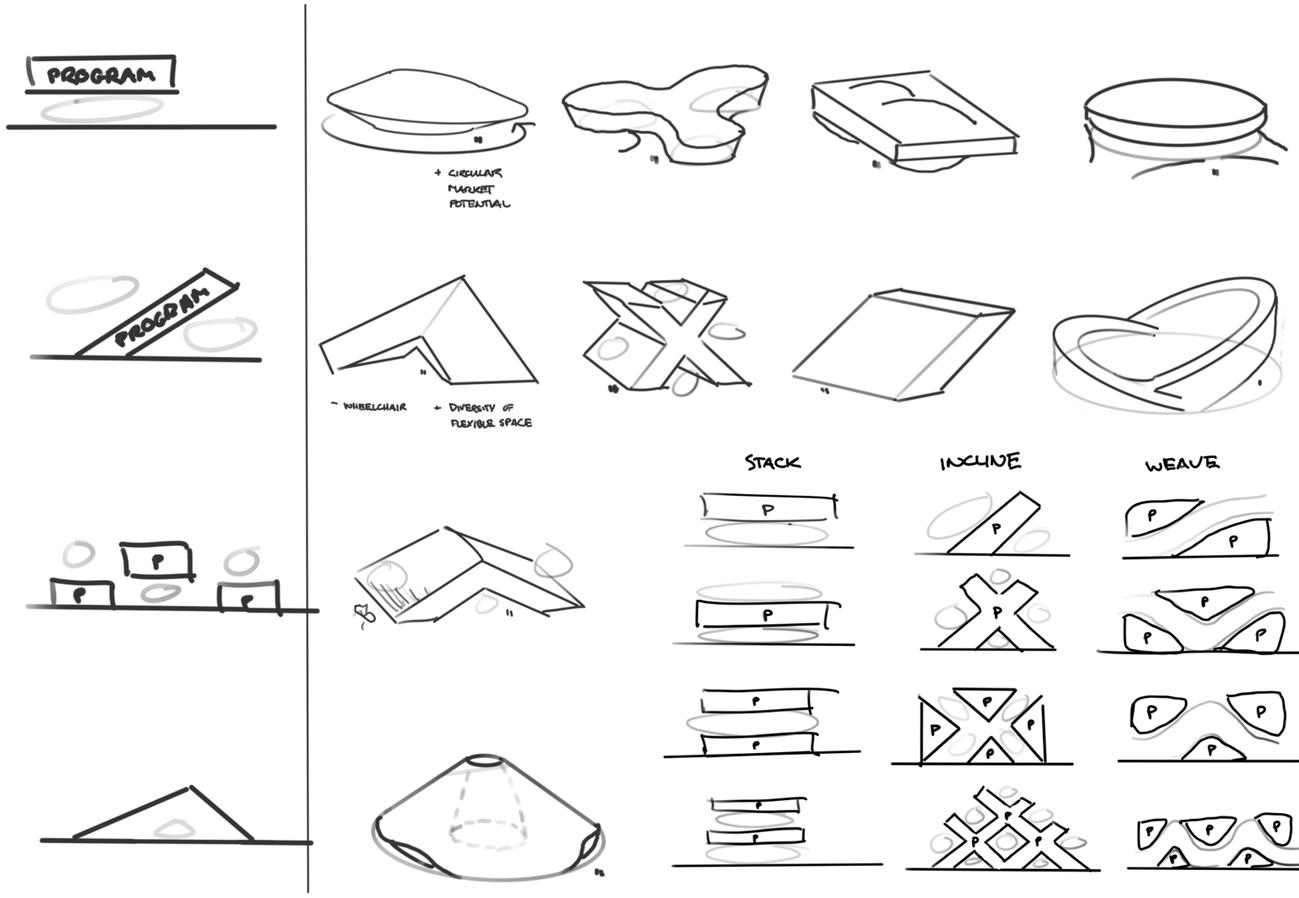

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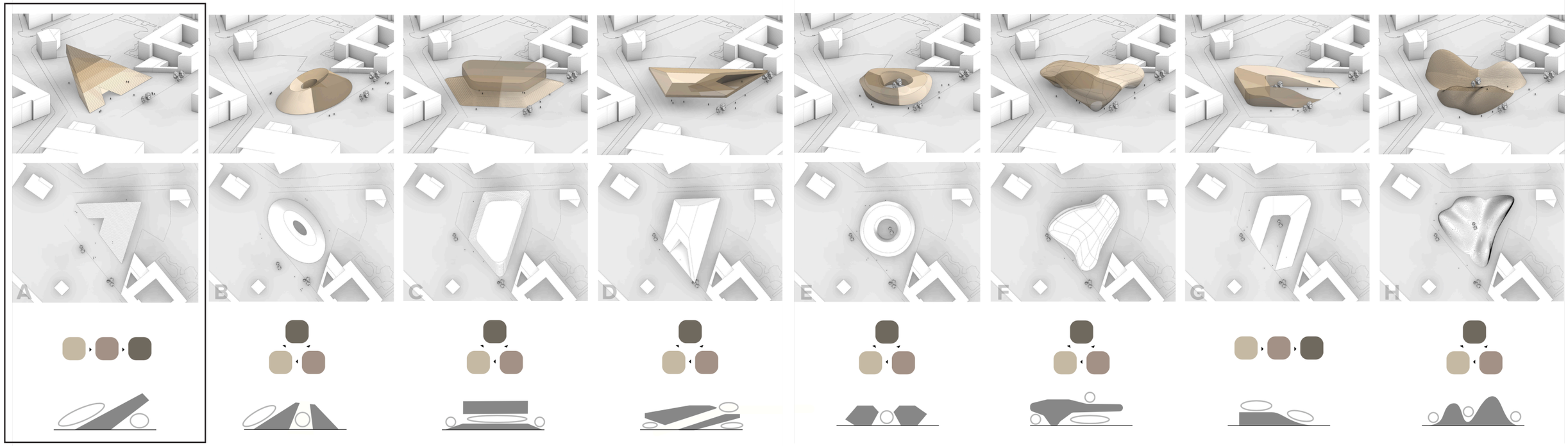

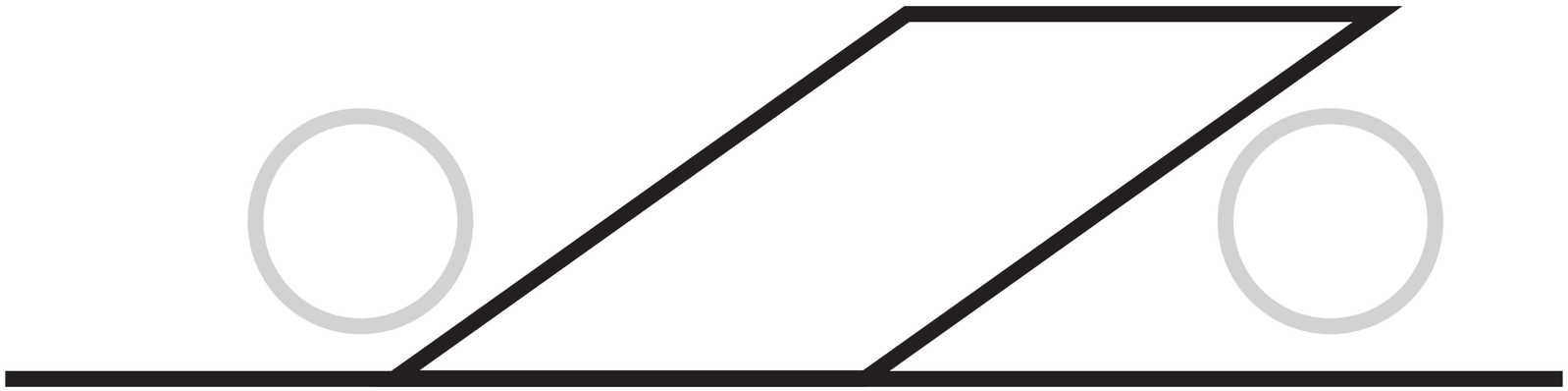

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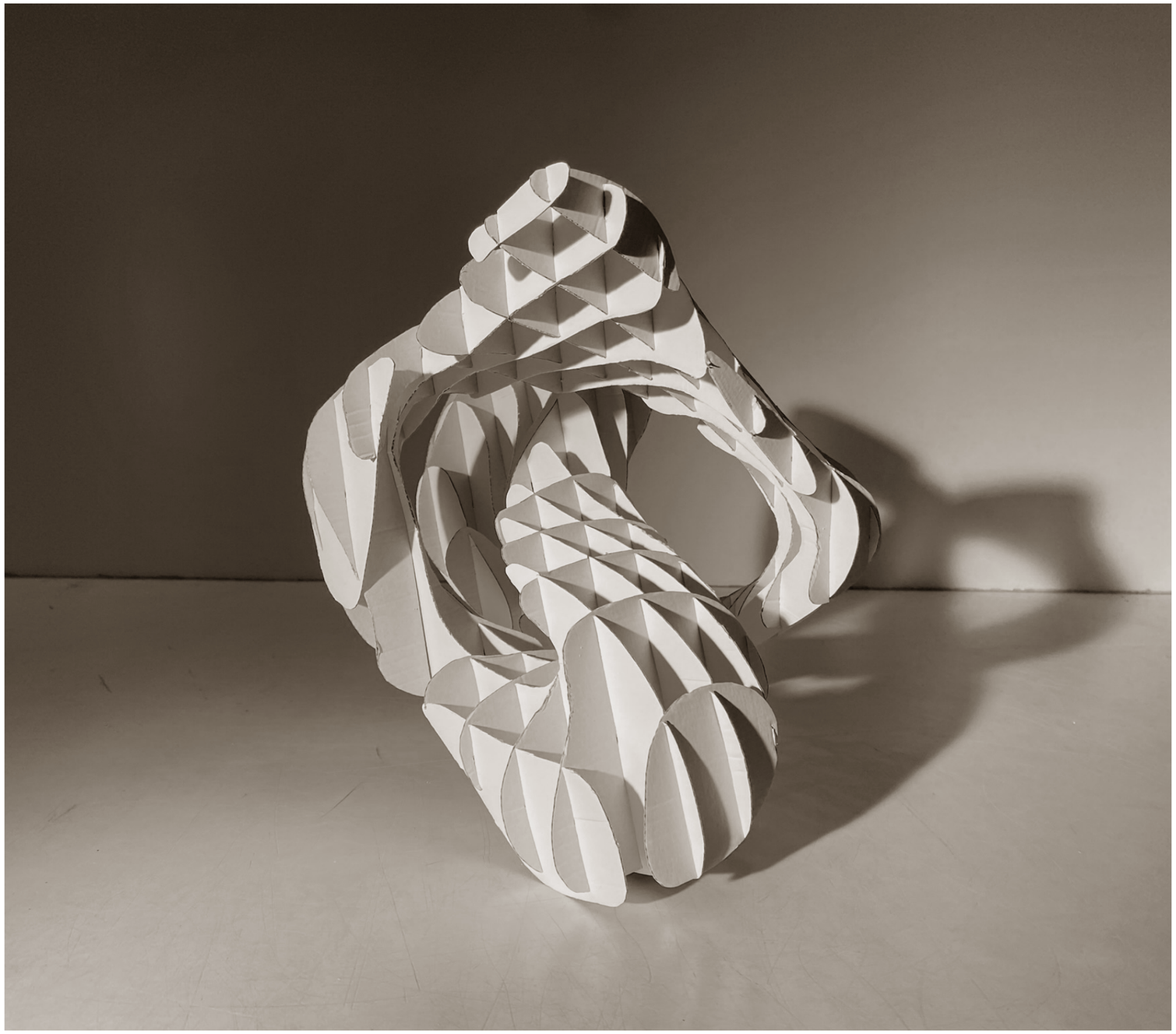

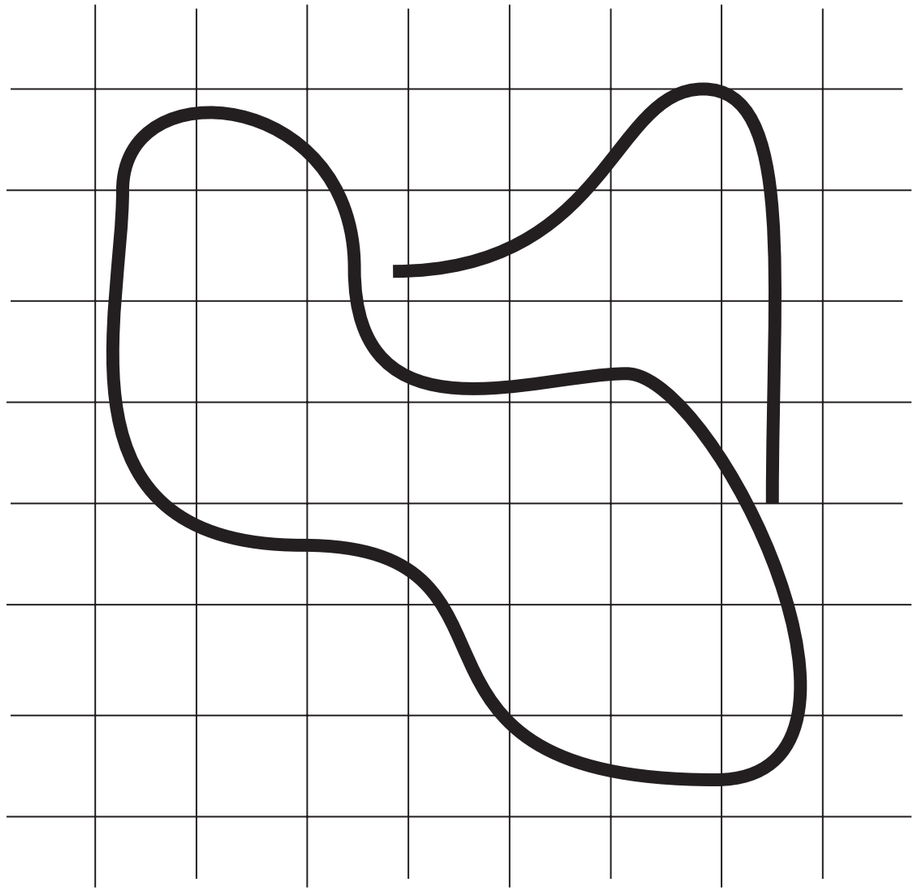

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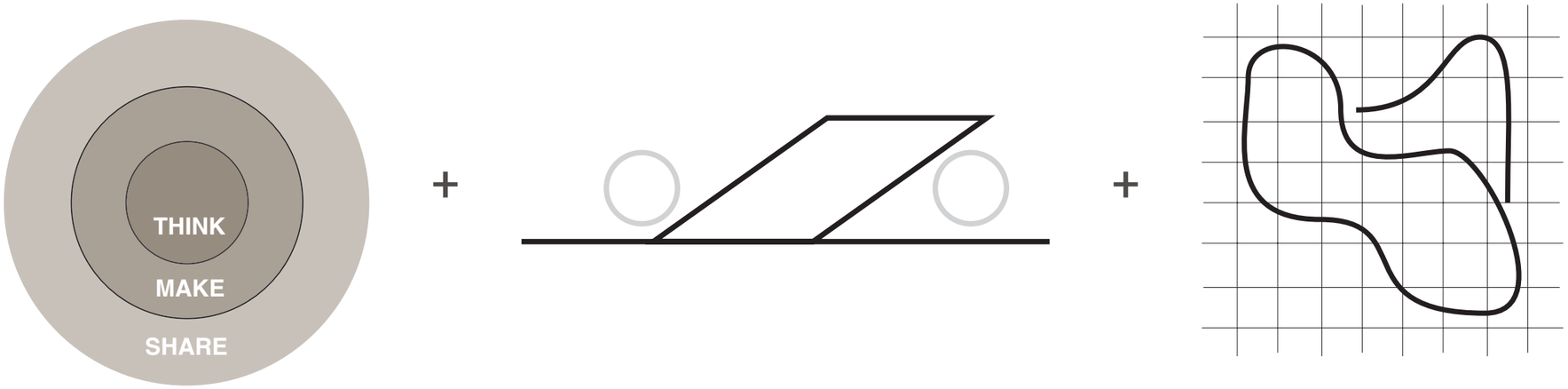

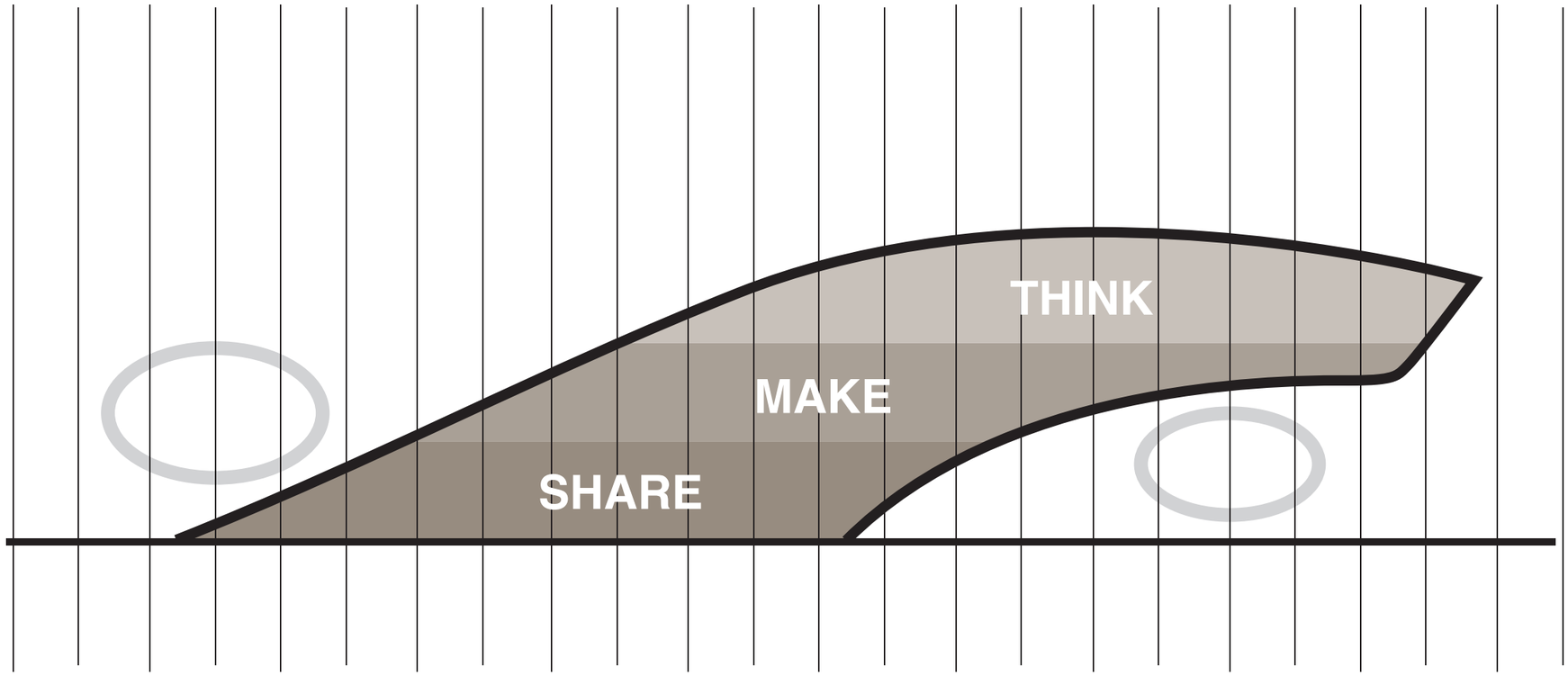

CREATIVE CONDENSER: A CATALYST FOR THE CREATIVE COMMUNITY

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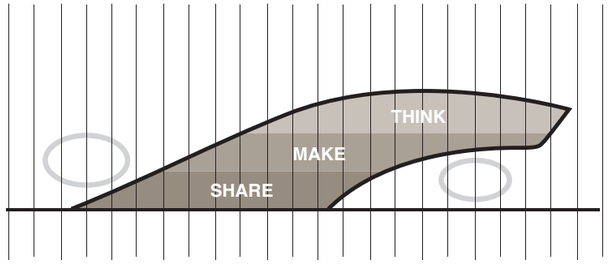

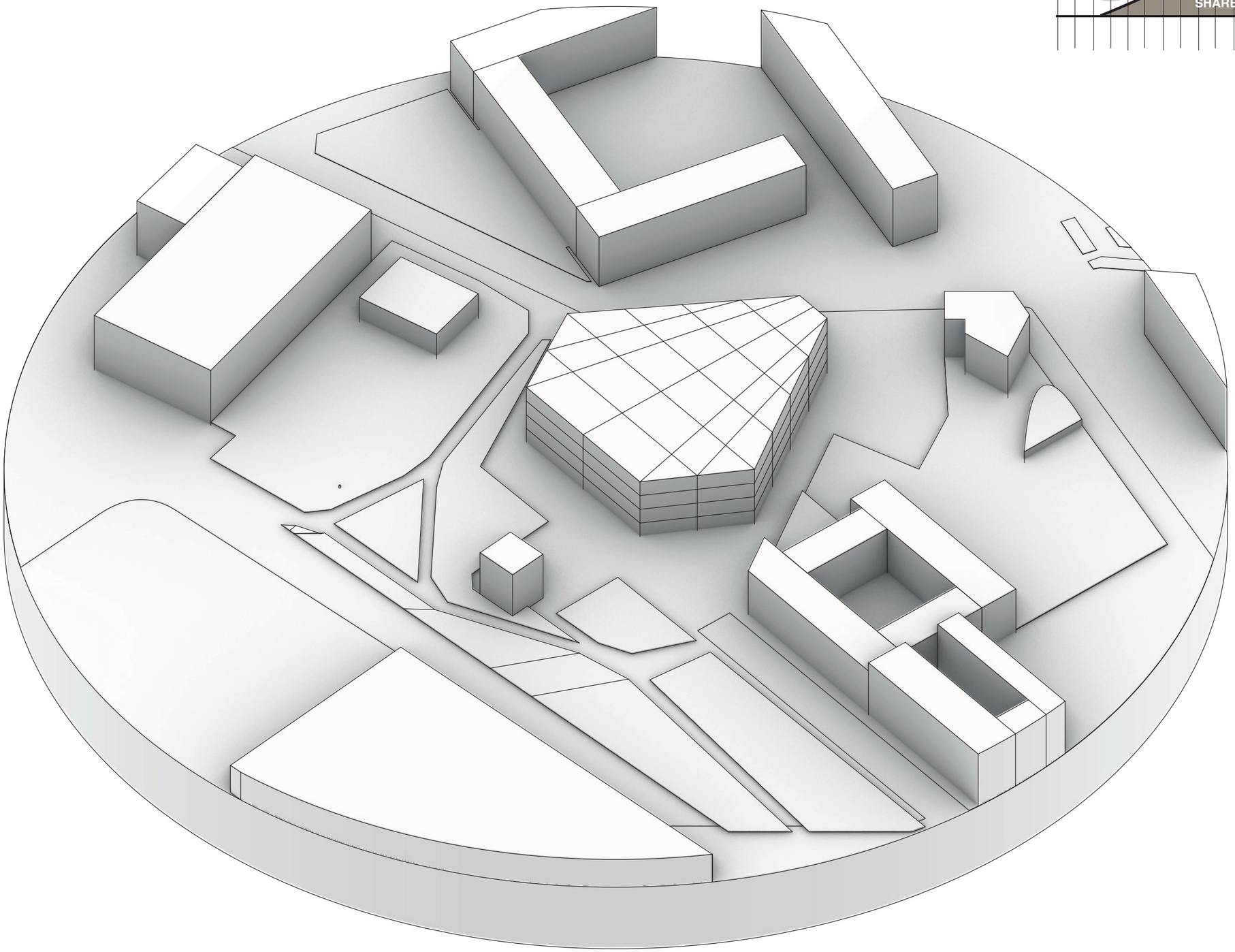

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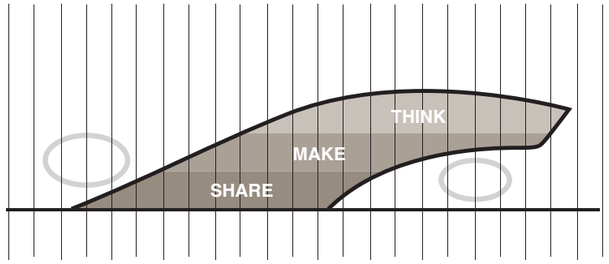

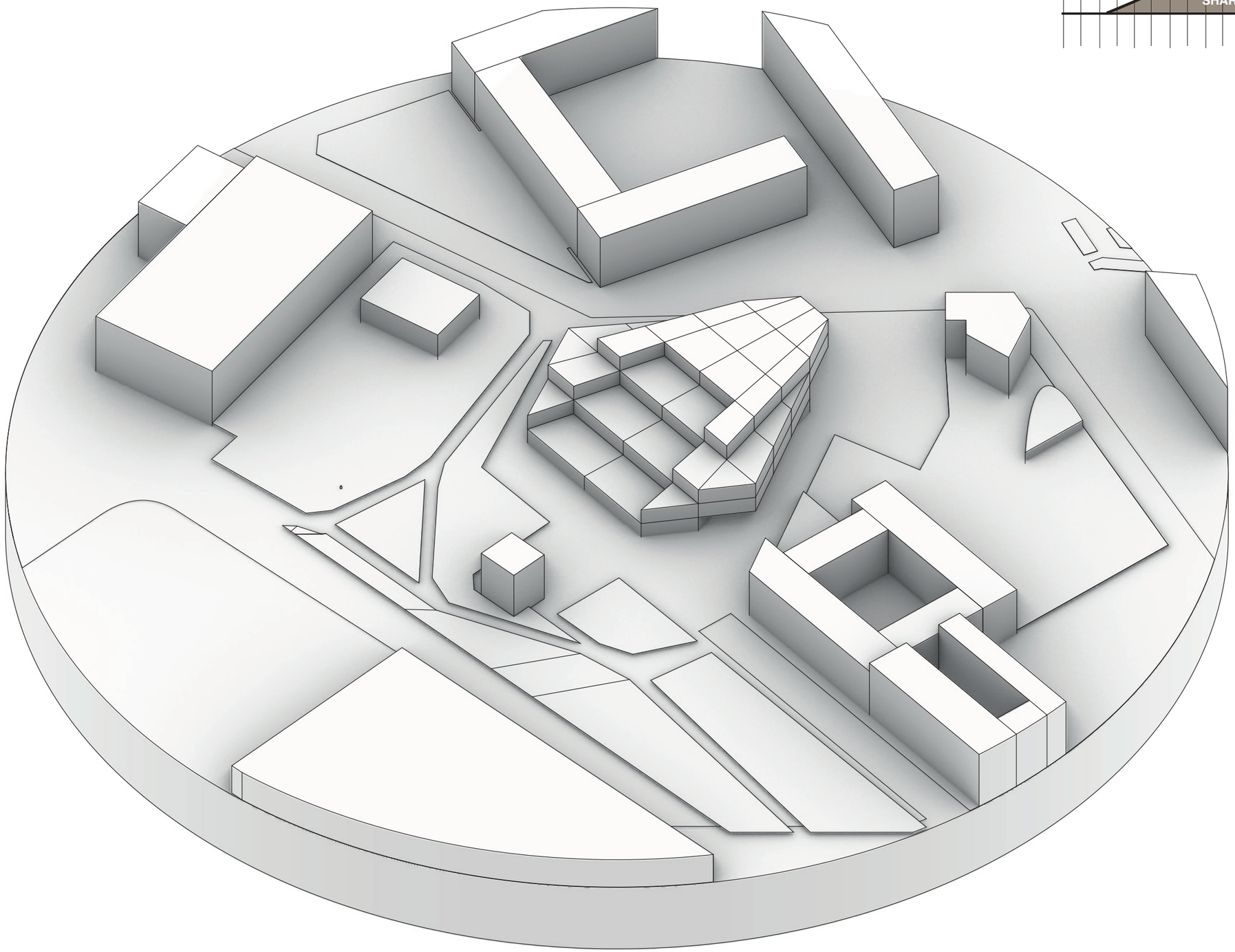

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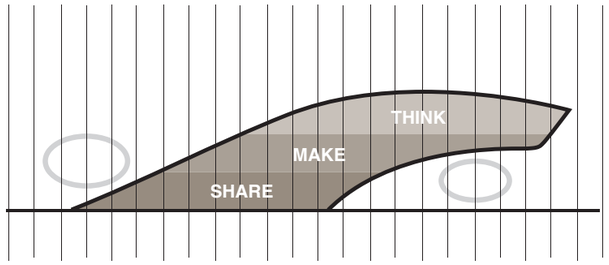

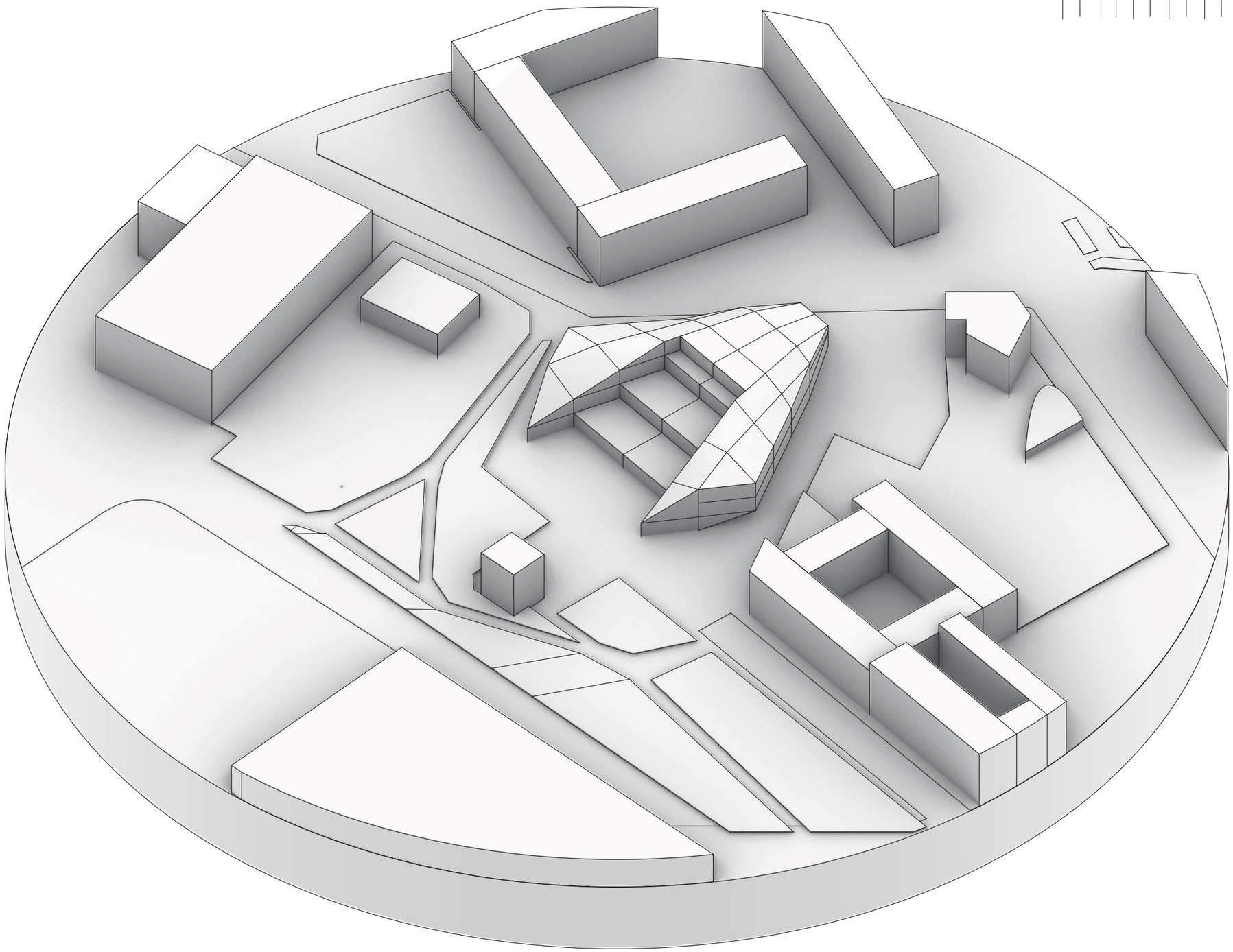

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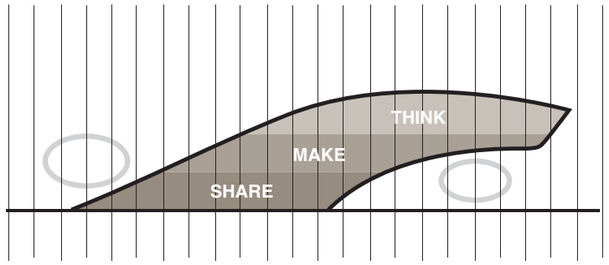

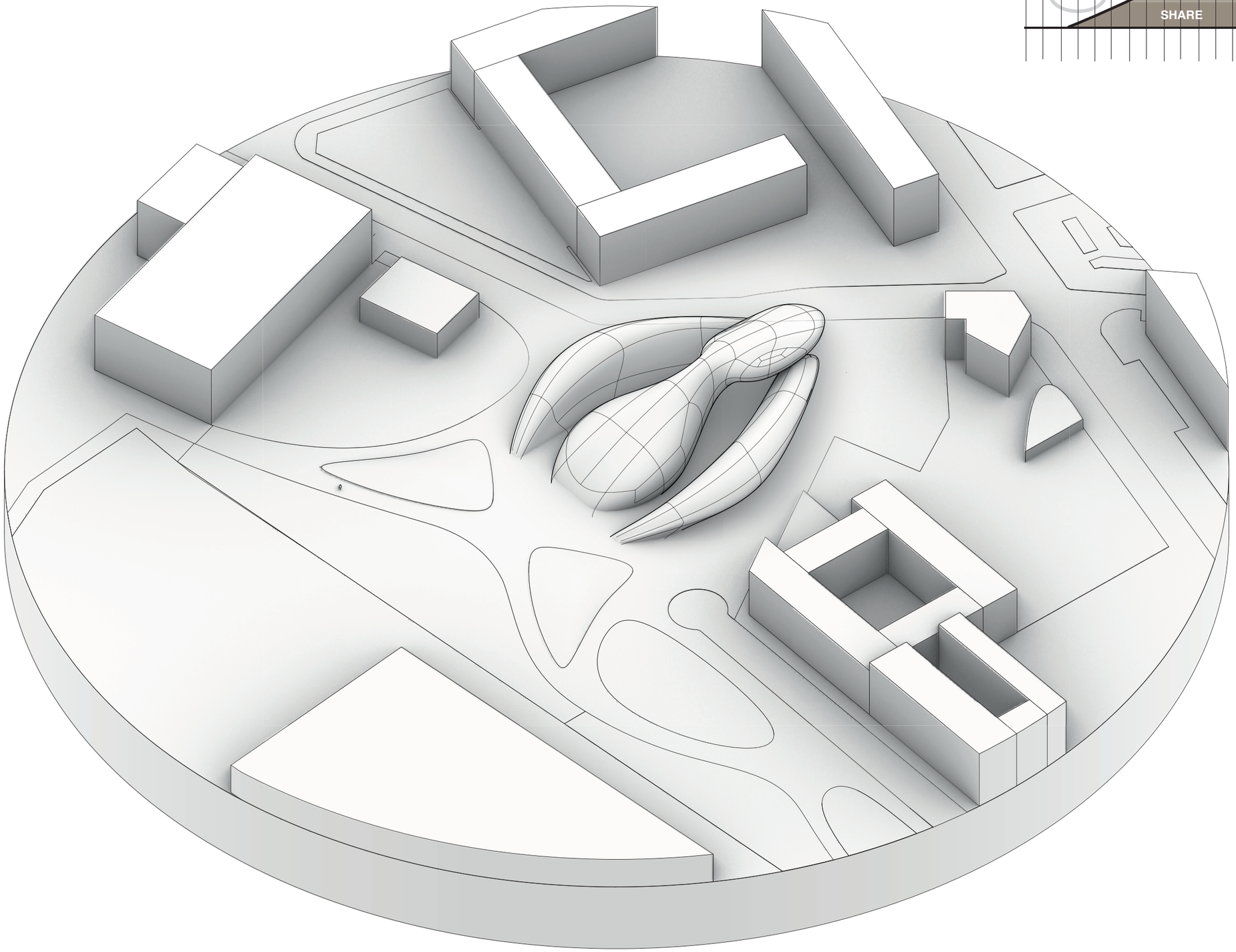

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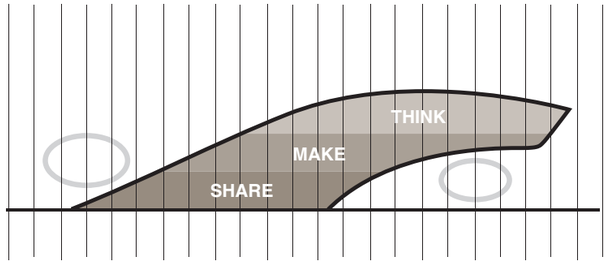

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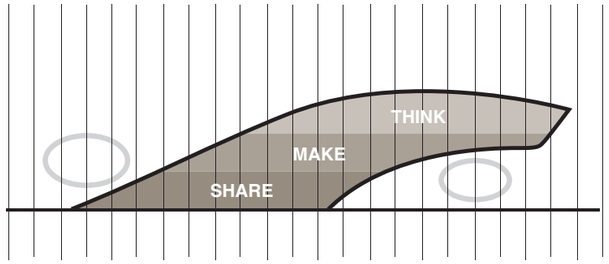
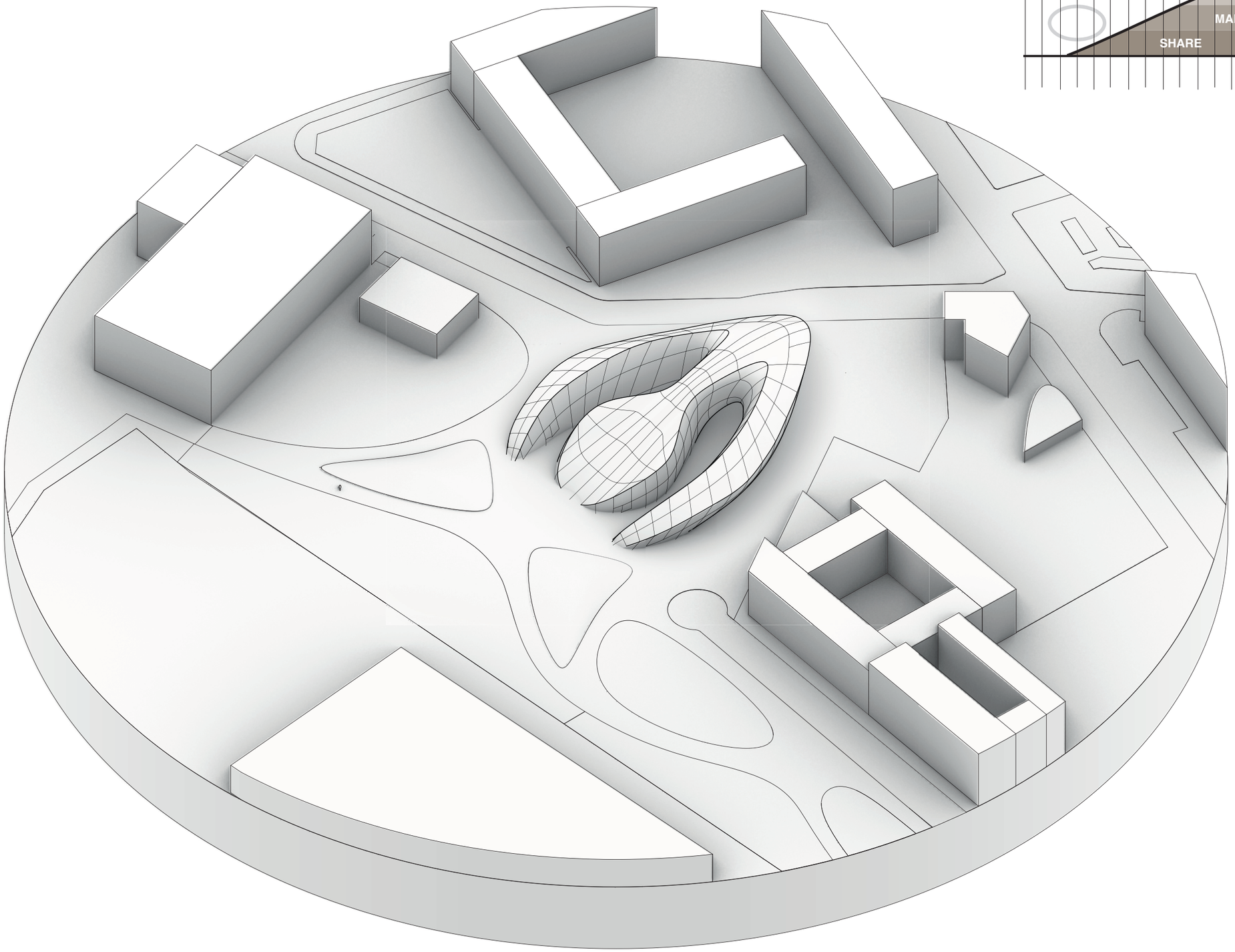
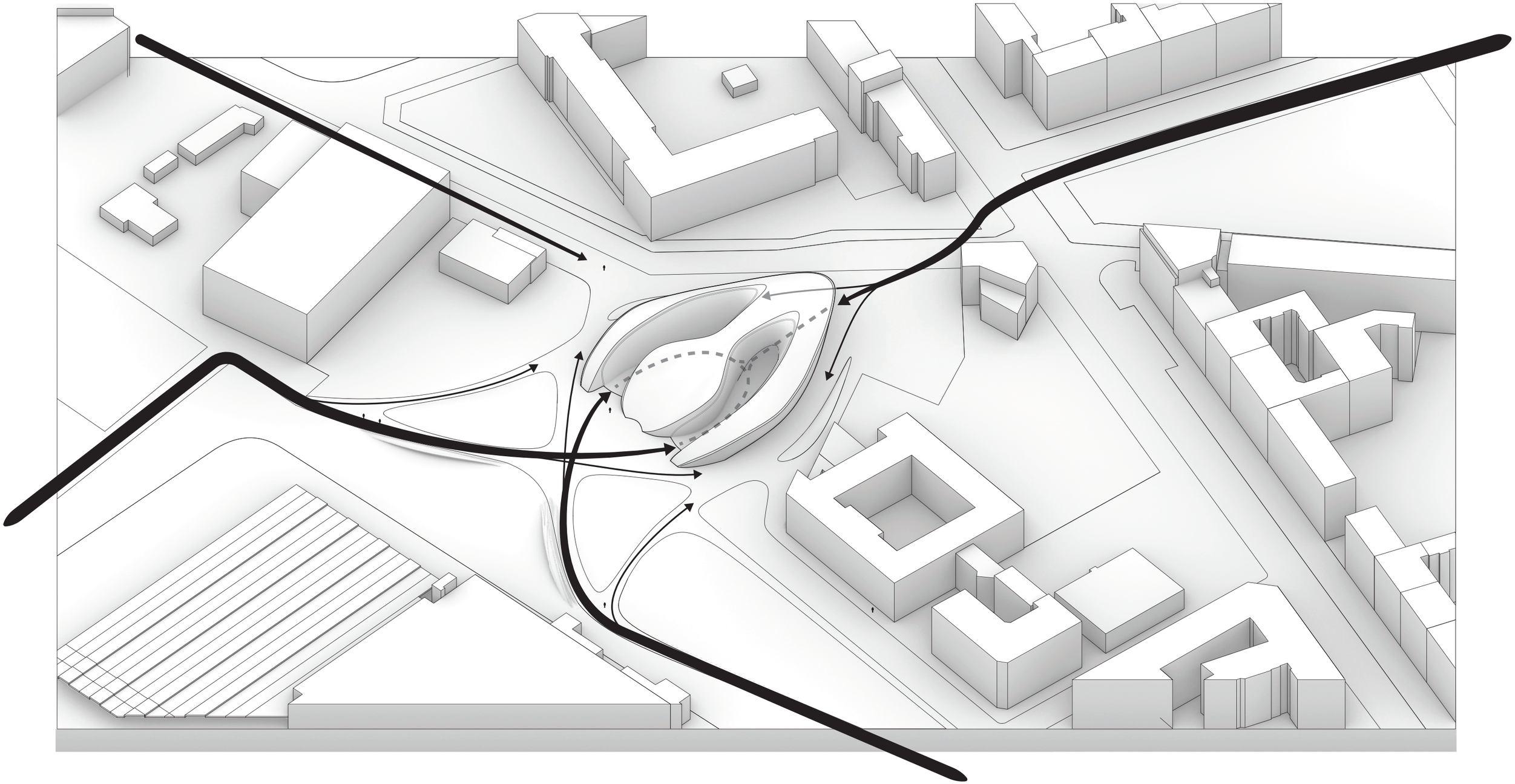
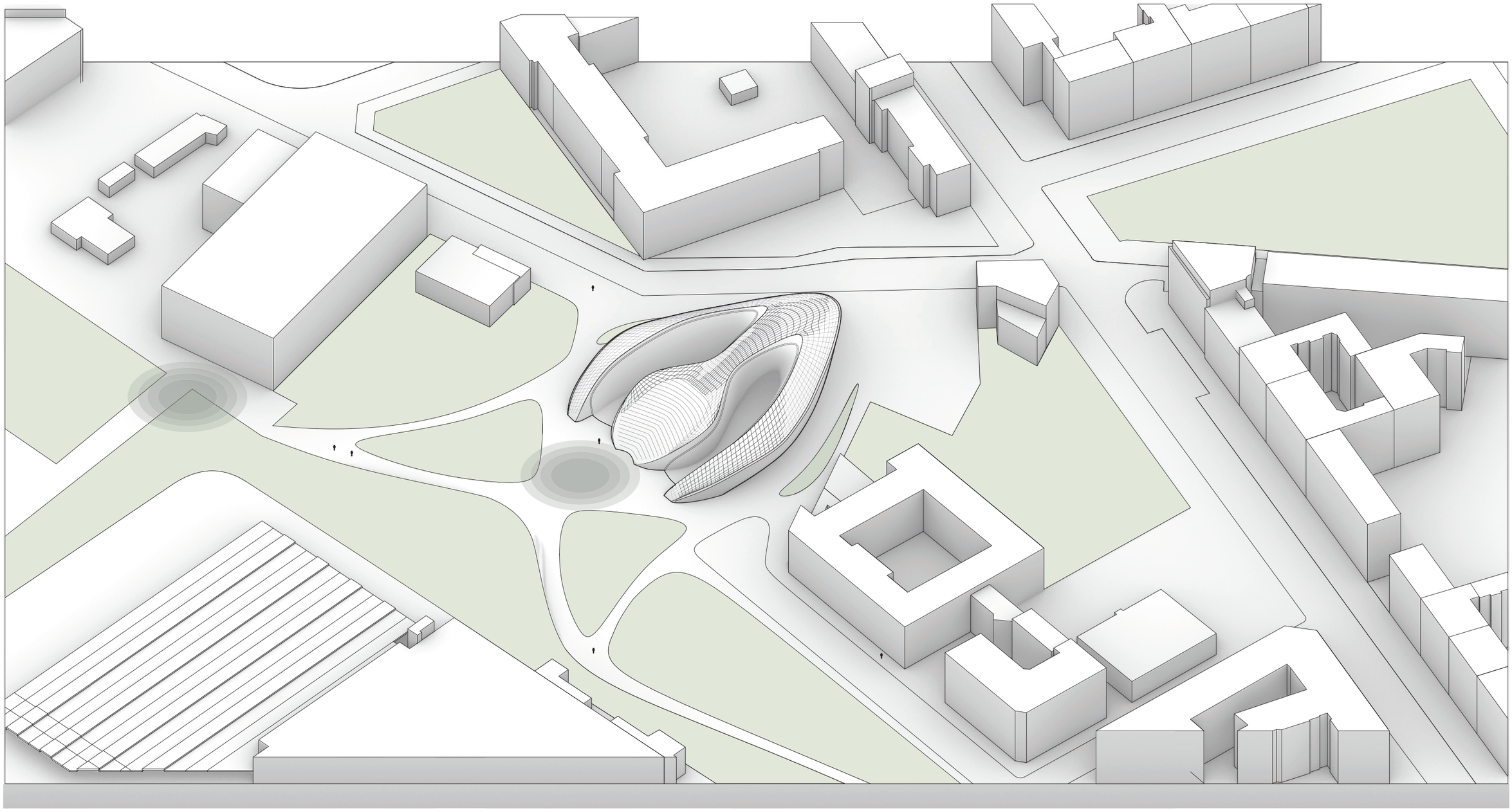


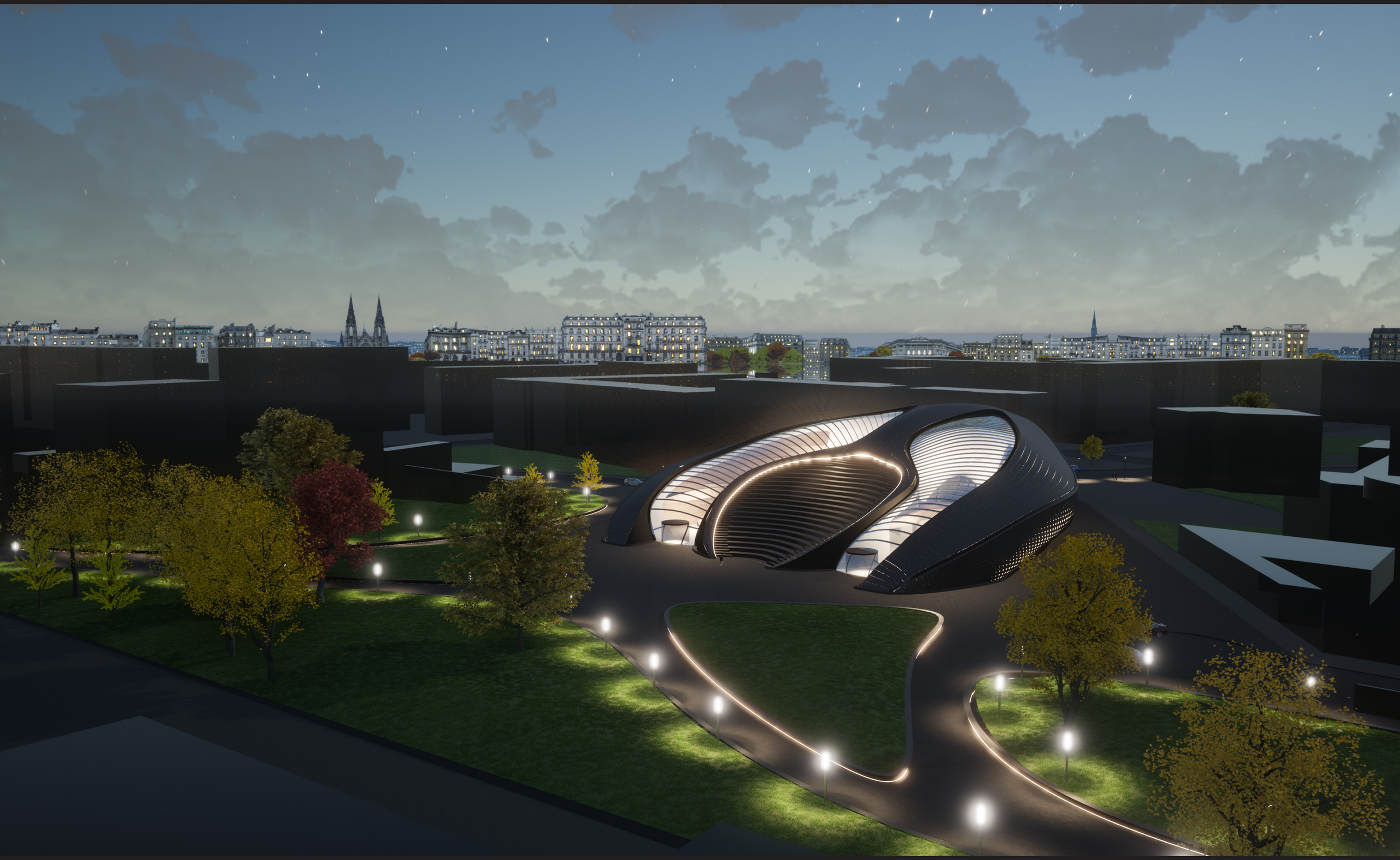


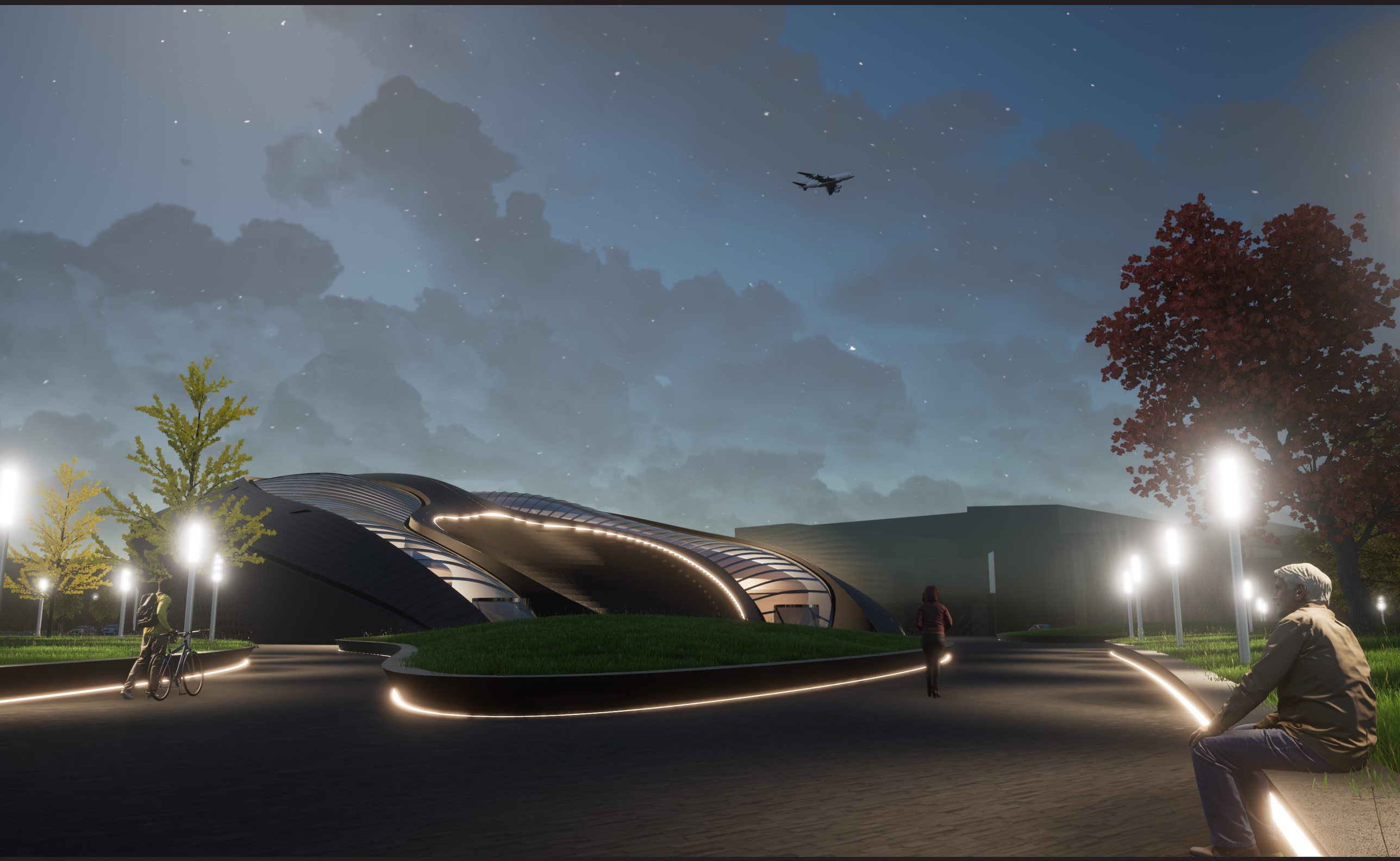
HOUSE OF CREATIVES | CONTEXT

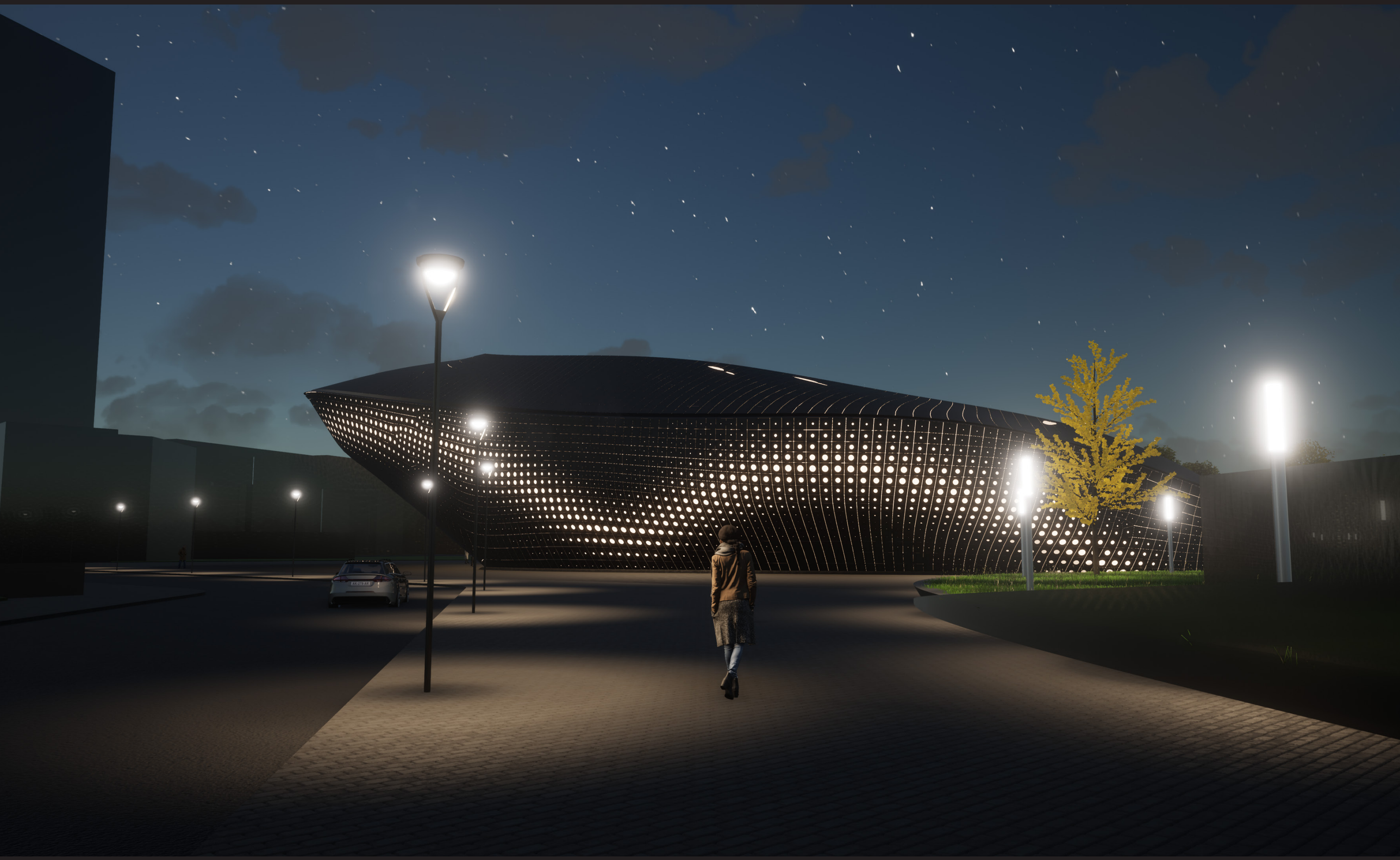


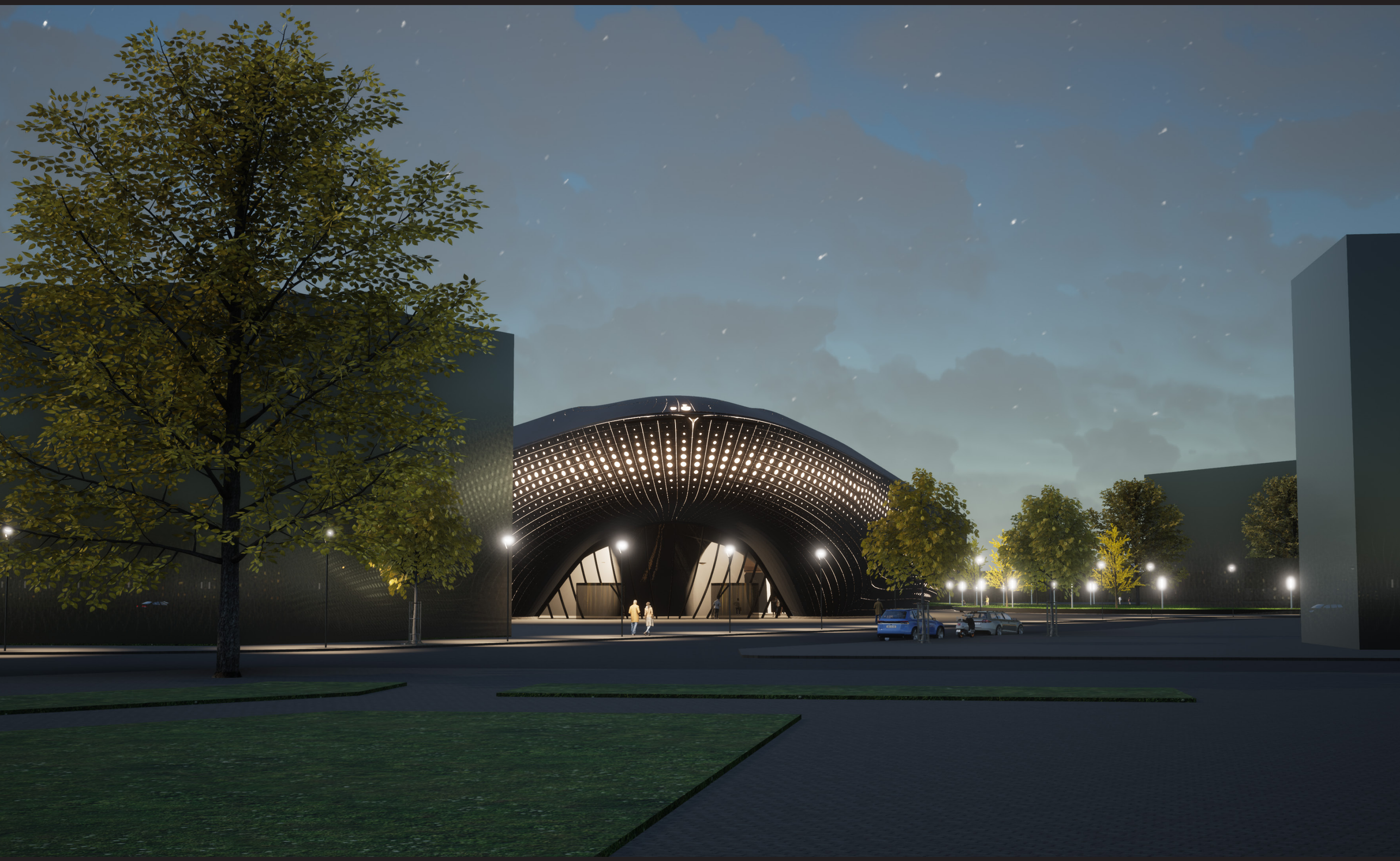
HOUSE OF CREATIVES | CONTEXT

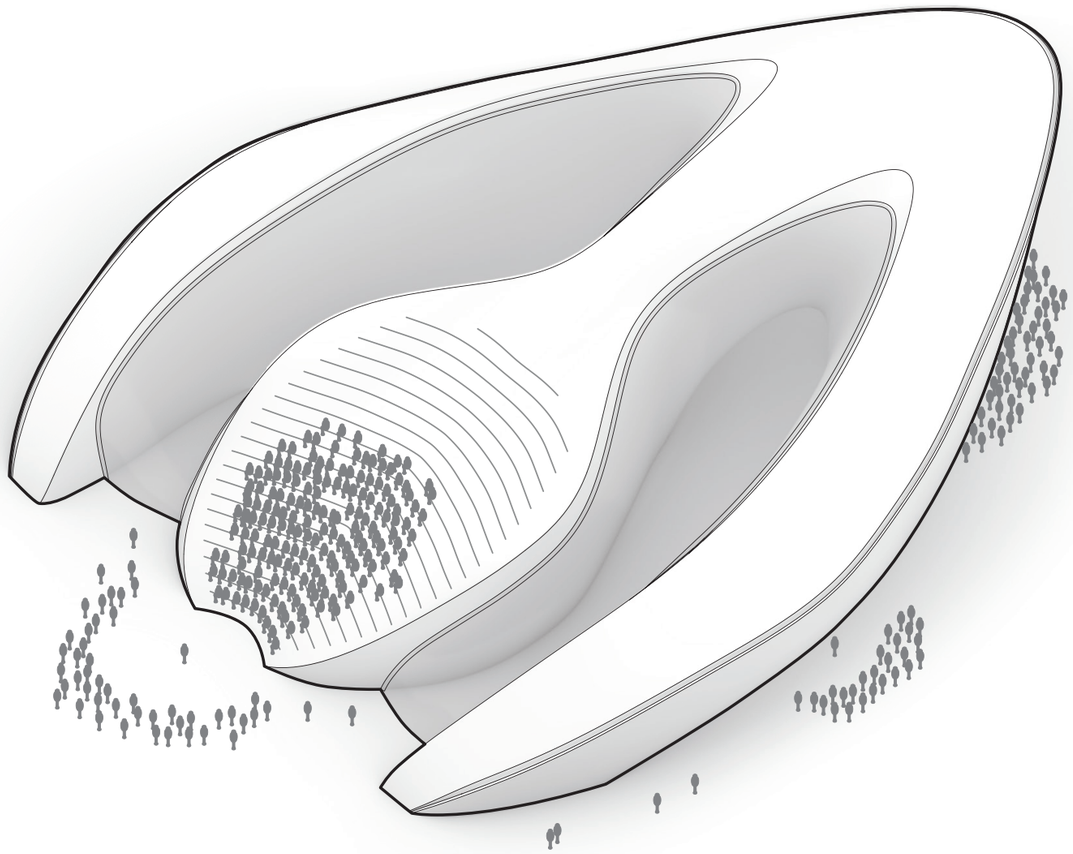


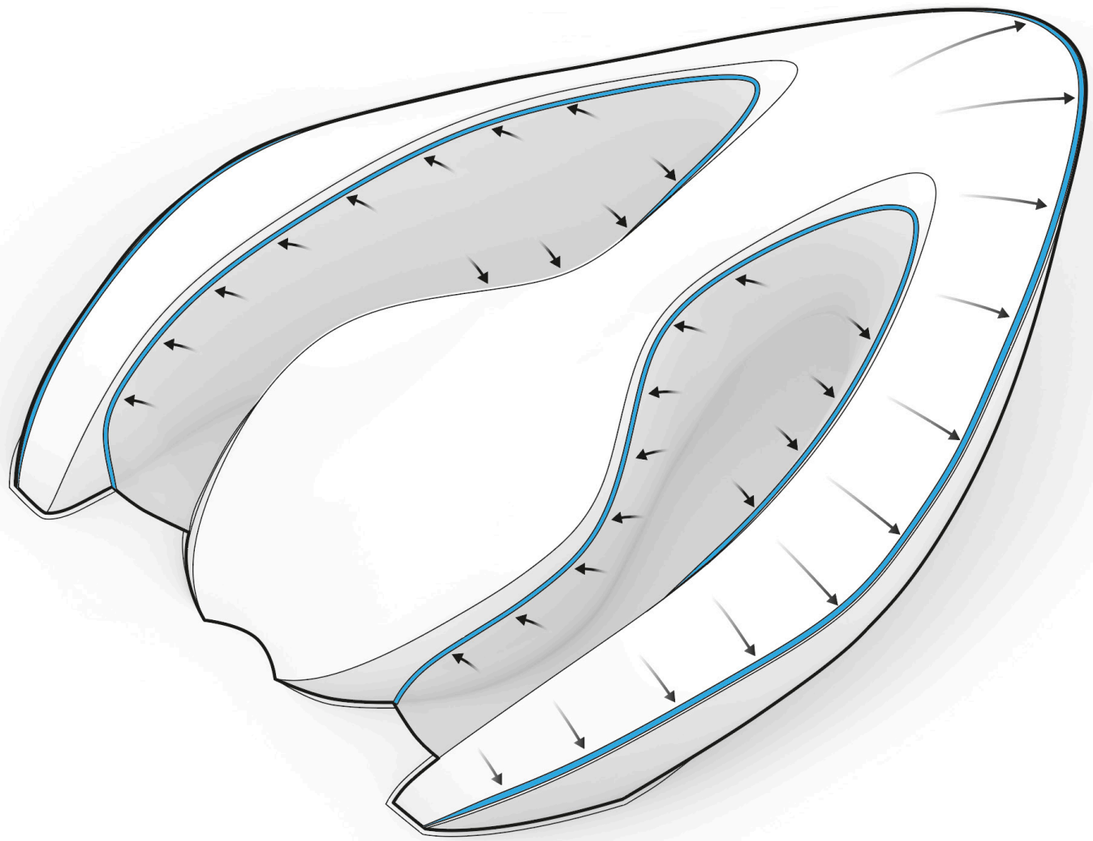












HOUSE OF CREATIVES | BUILDING PERFORMANCE

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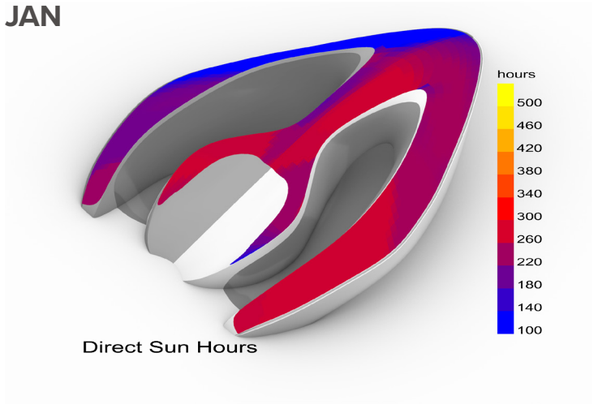

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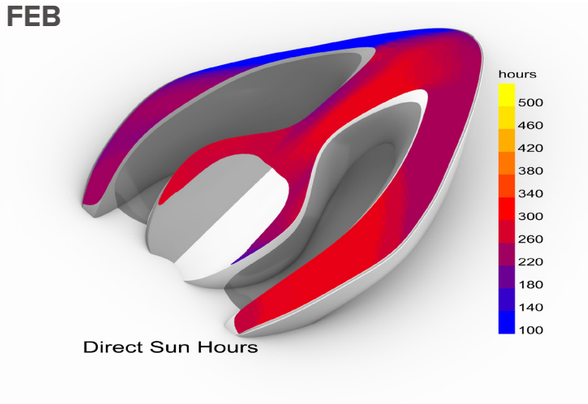

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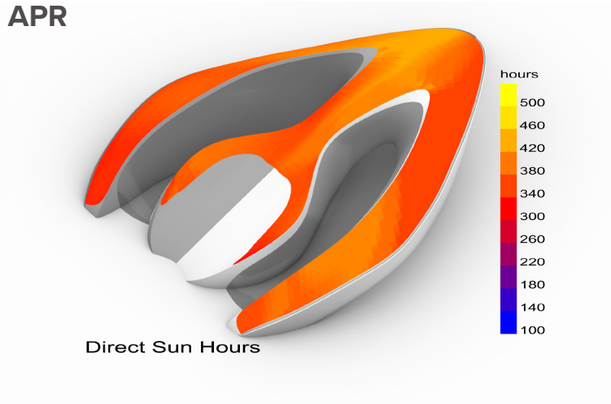

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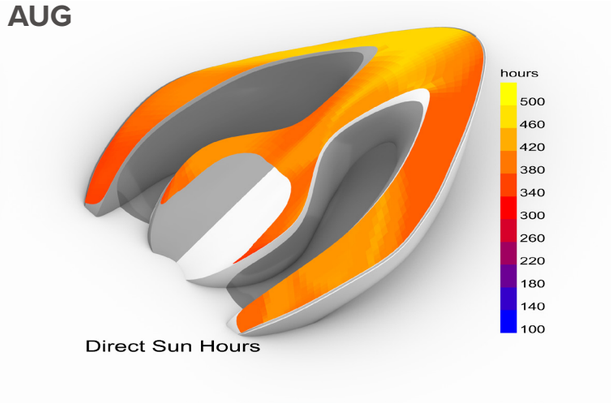
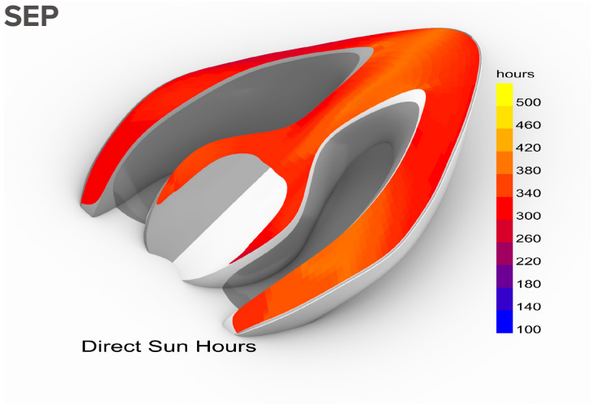
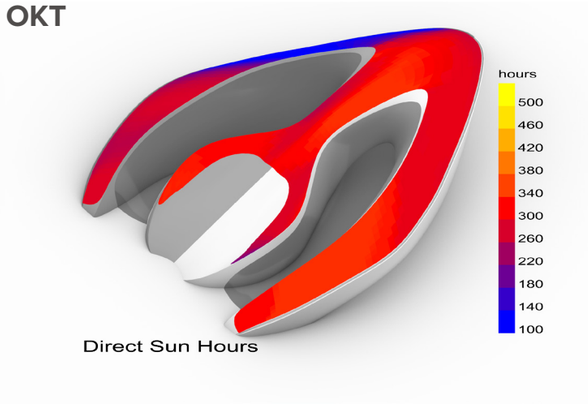


SEP



OKT



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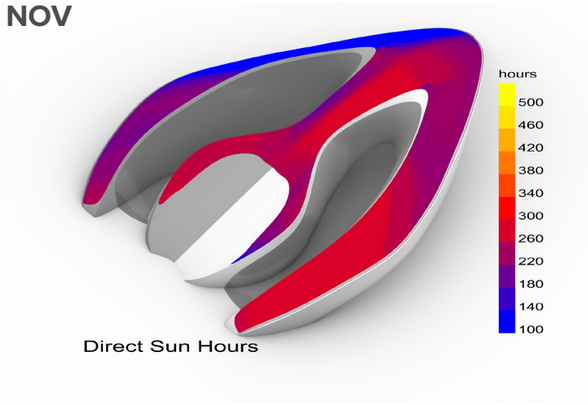
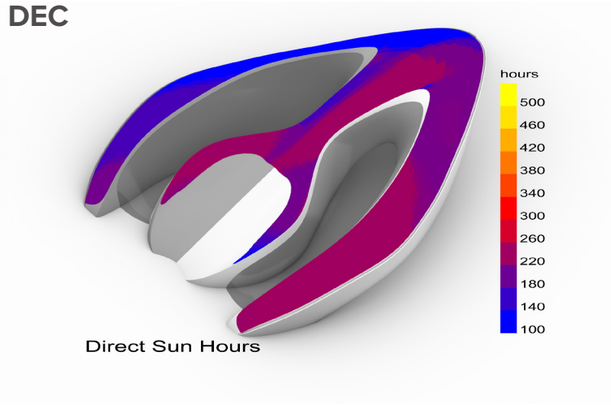
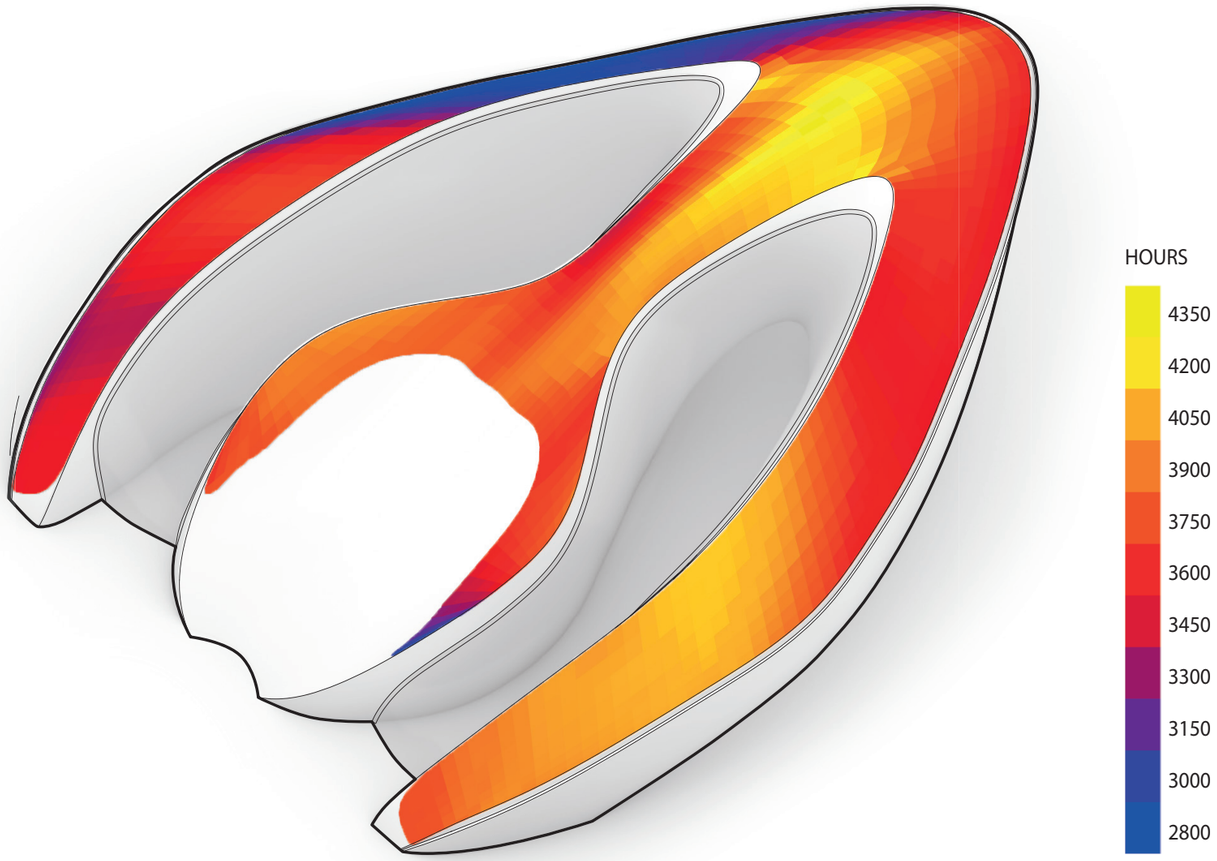
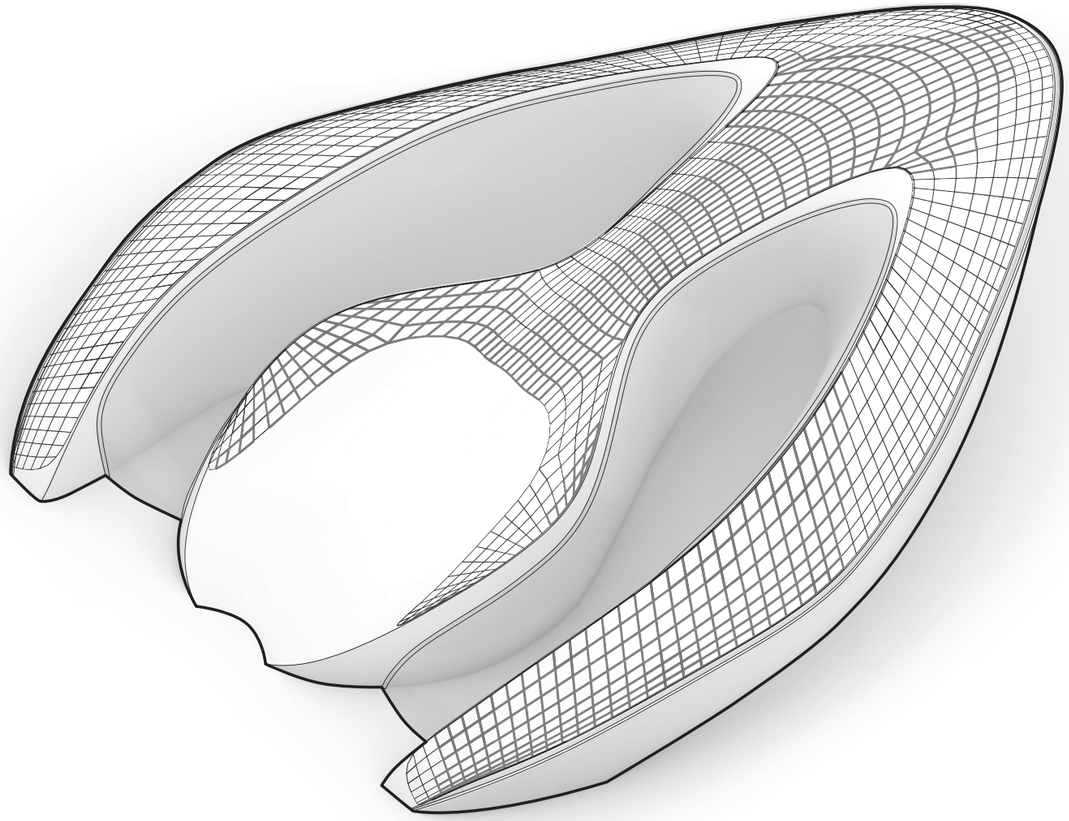


DEC

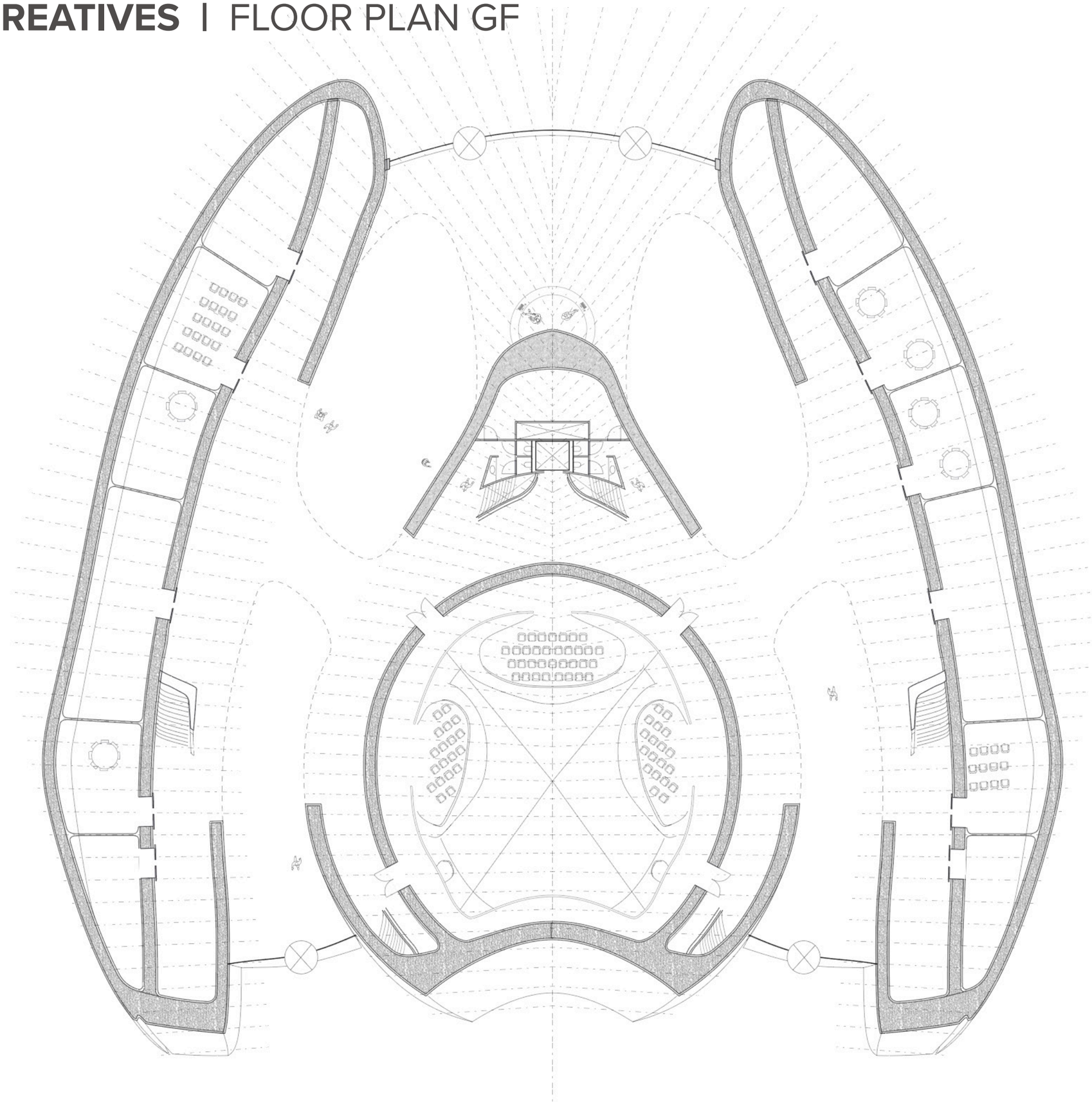


HOUSE OF CREATIVES | BUILDING PERFORMANCE

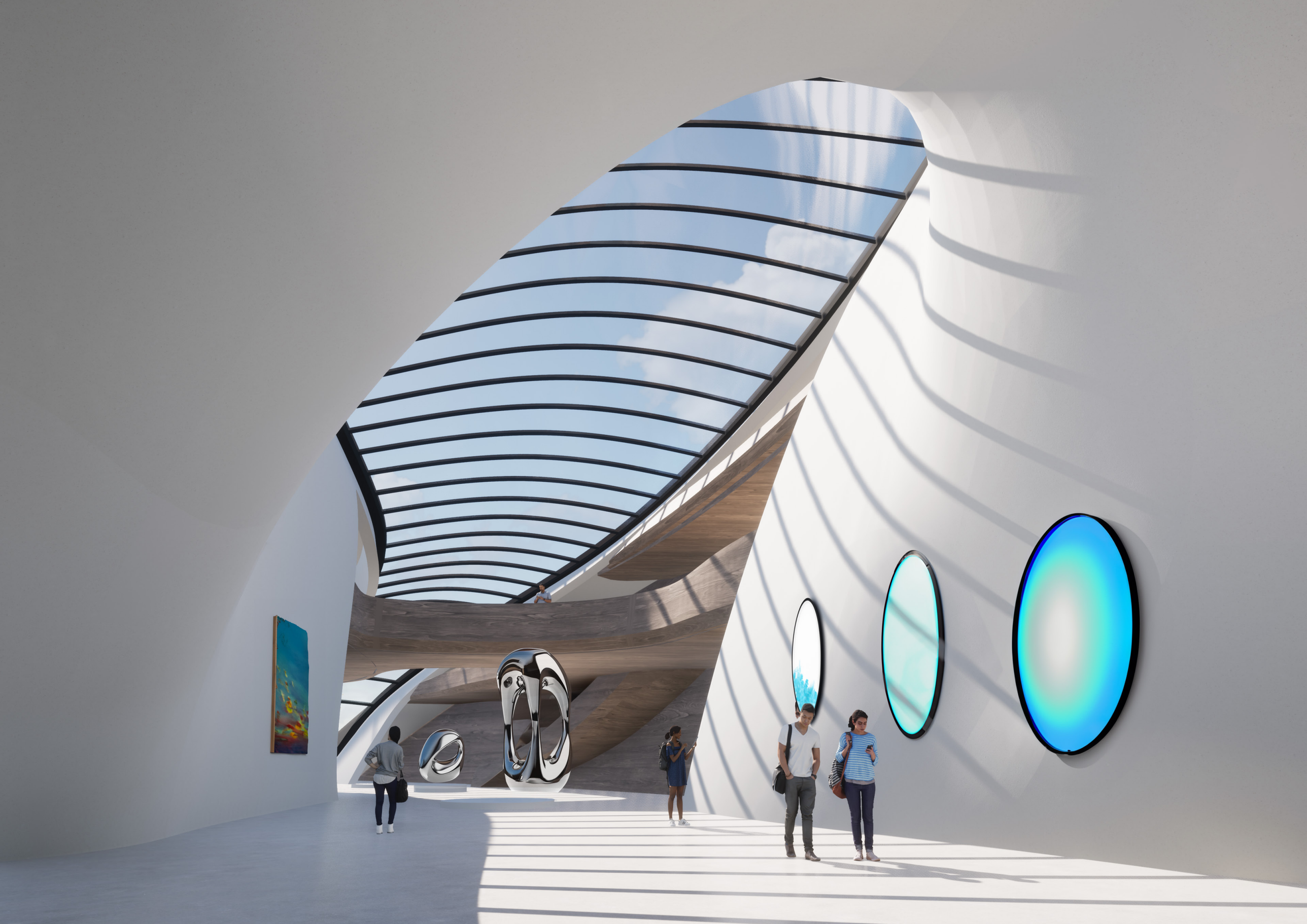


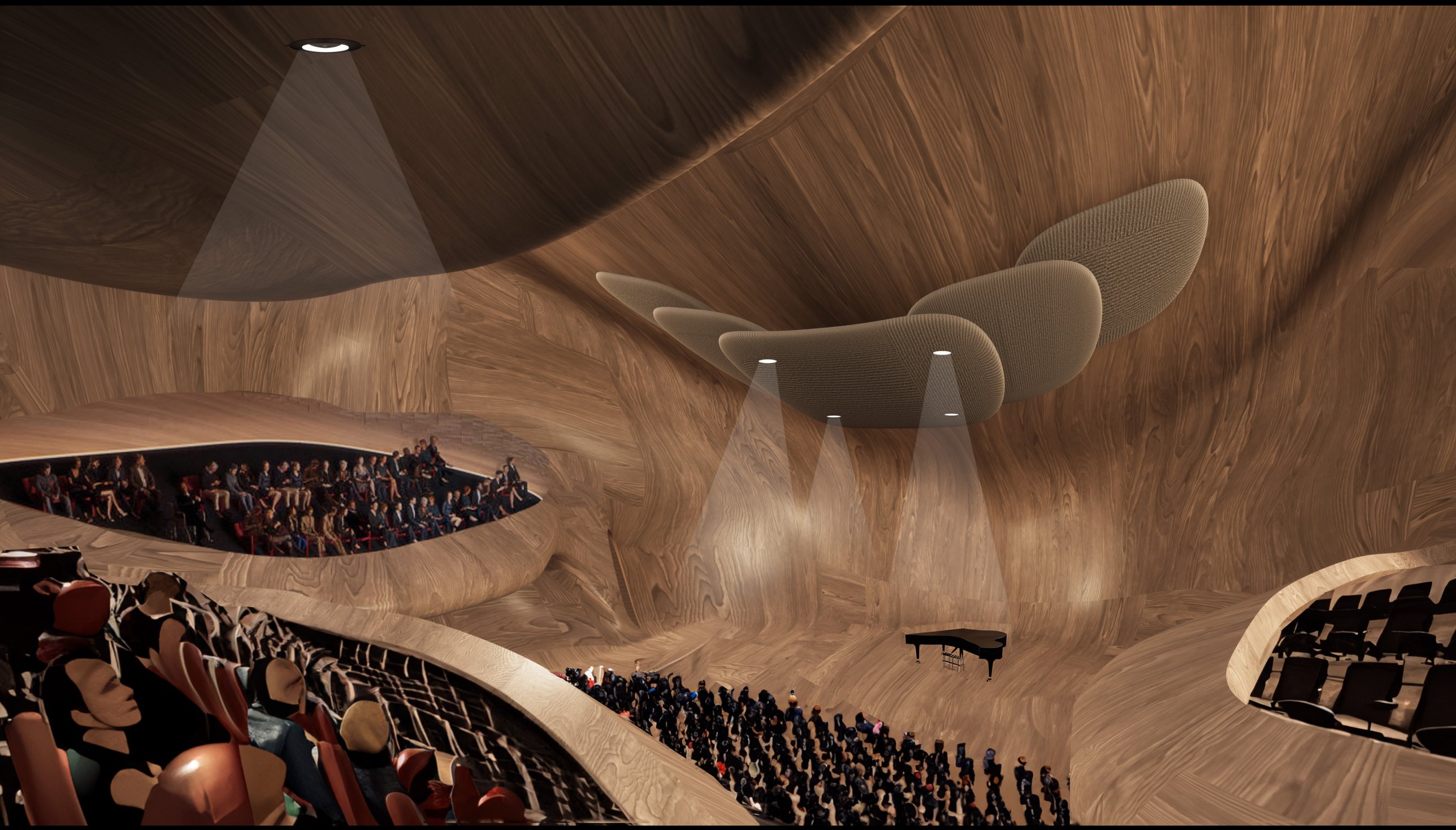


HOUSE OF CREATIVES | FLOOR PLAN GF

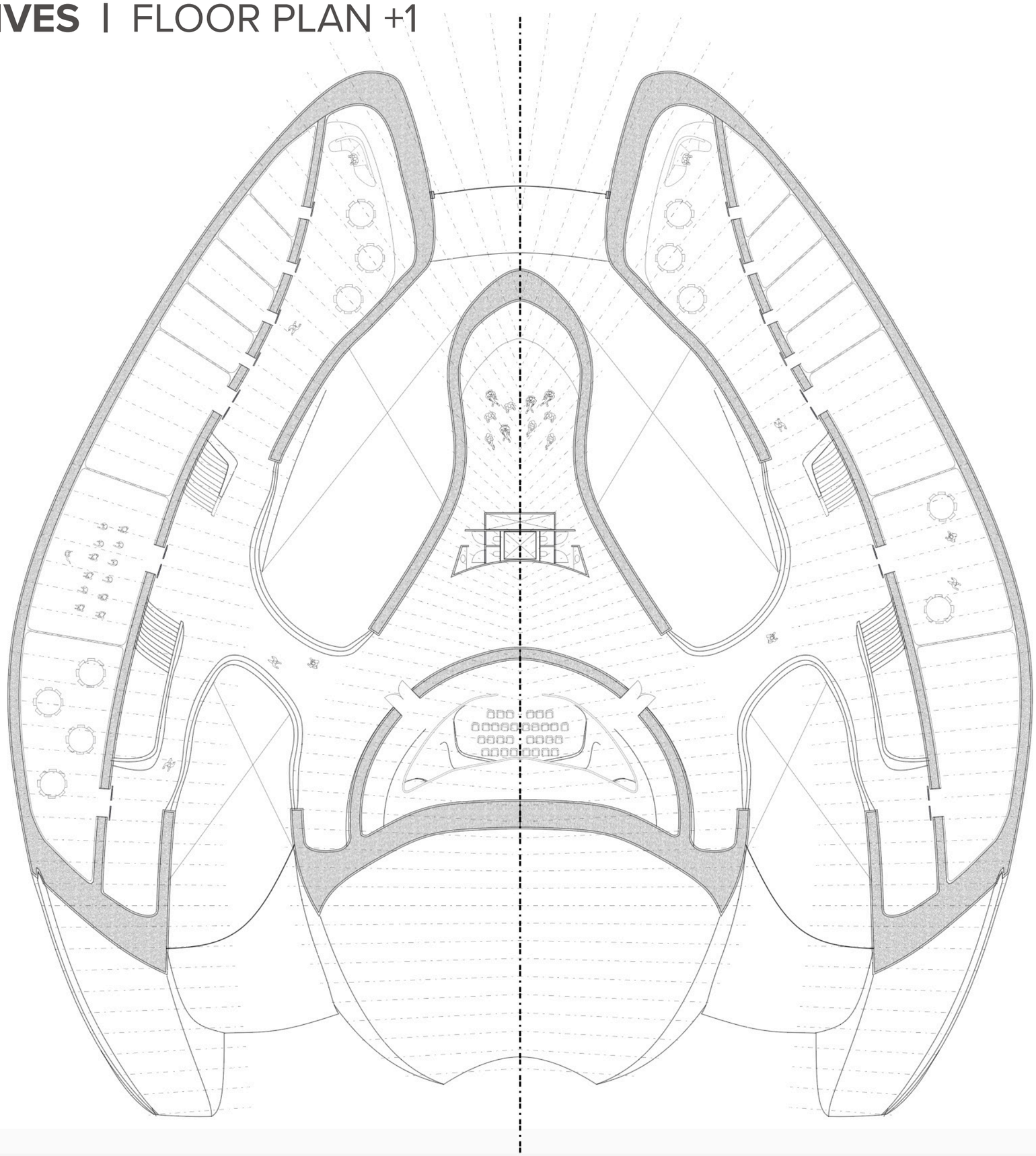


SHARE

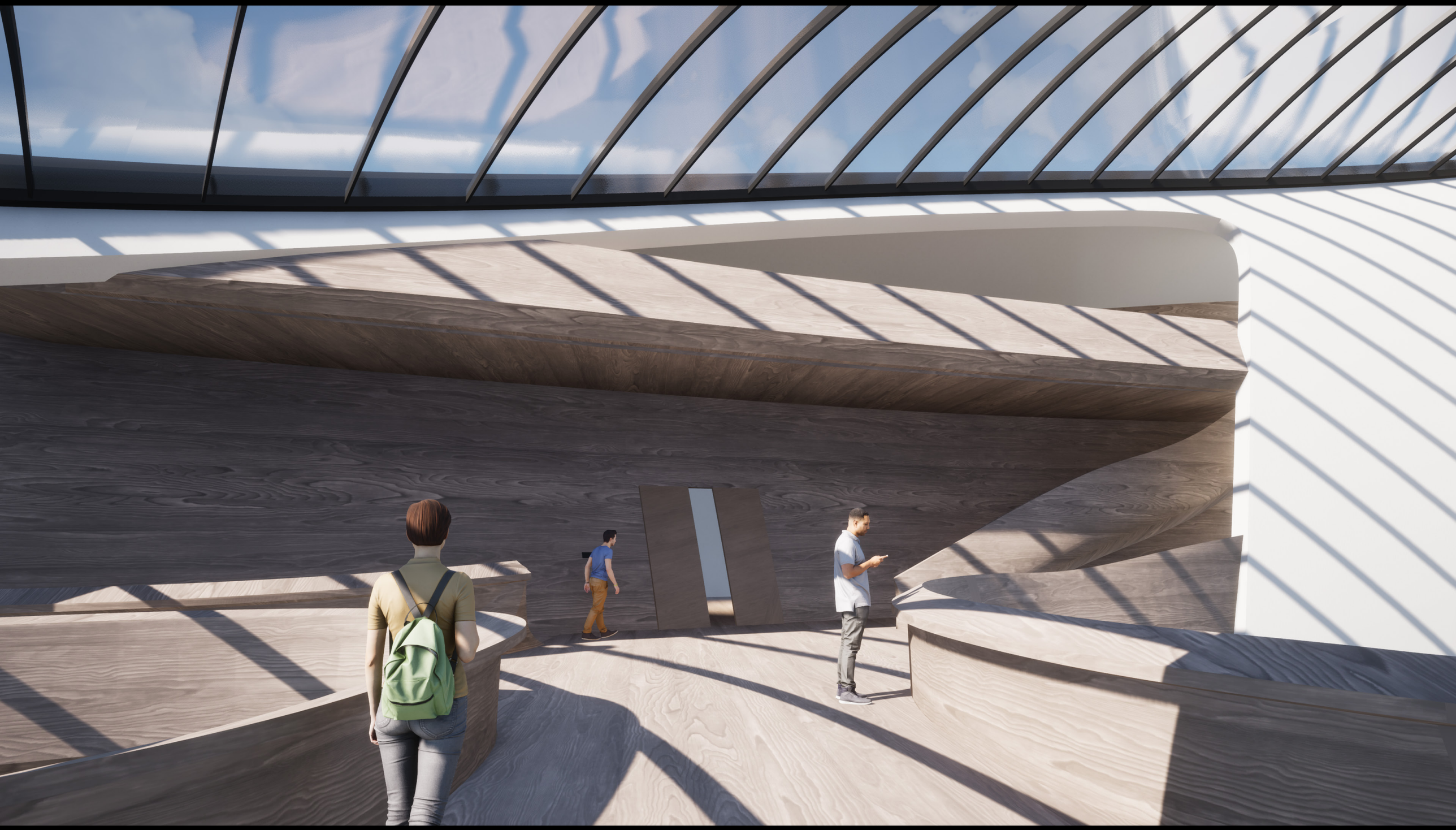




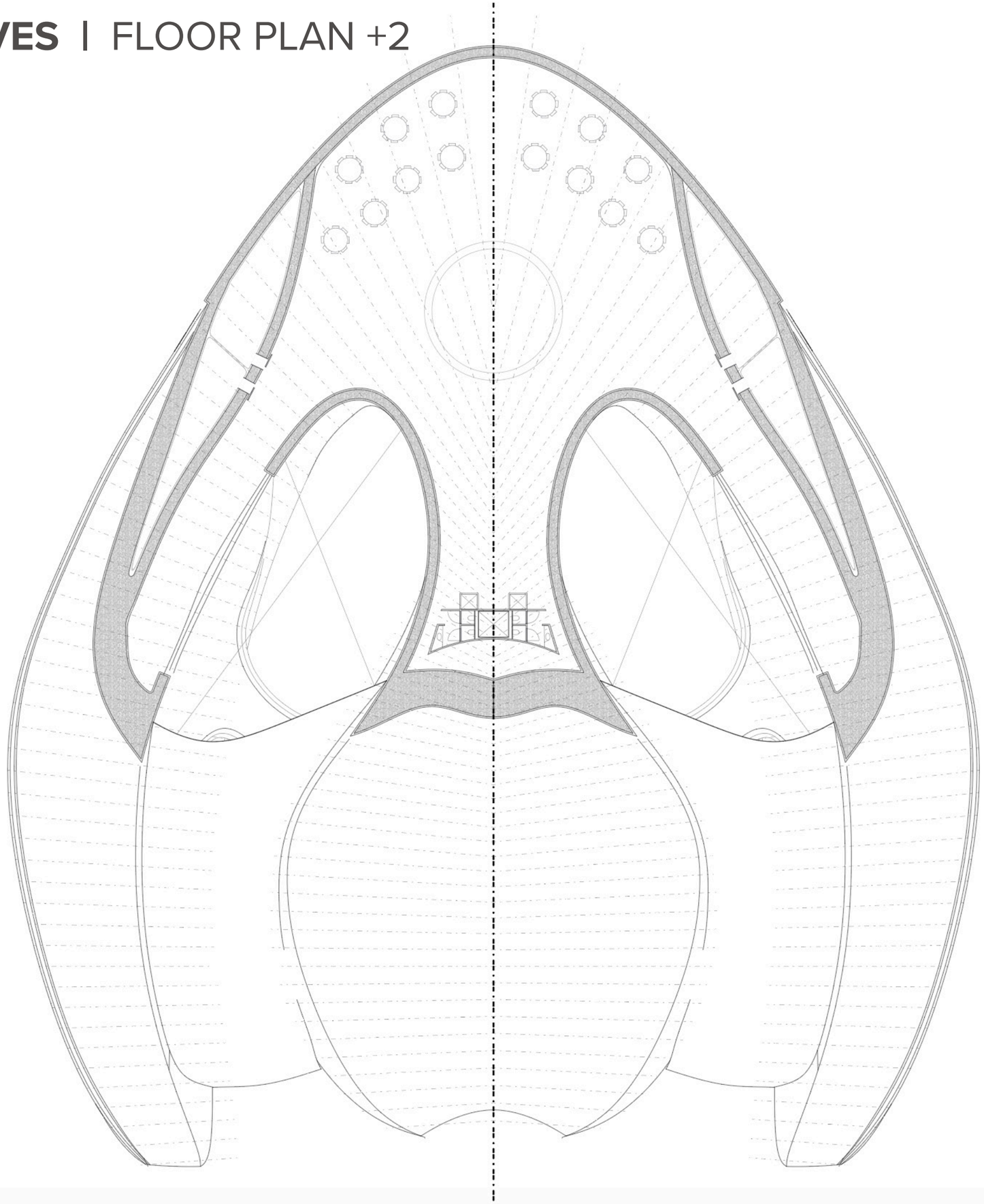
HOUSE OF CREATIVES | FLOOR PLAN +1



MAKE

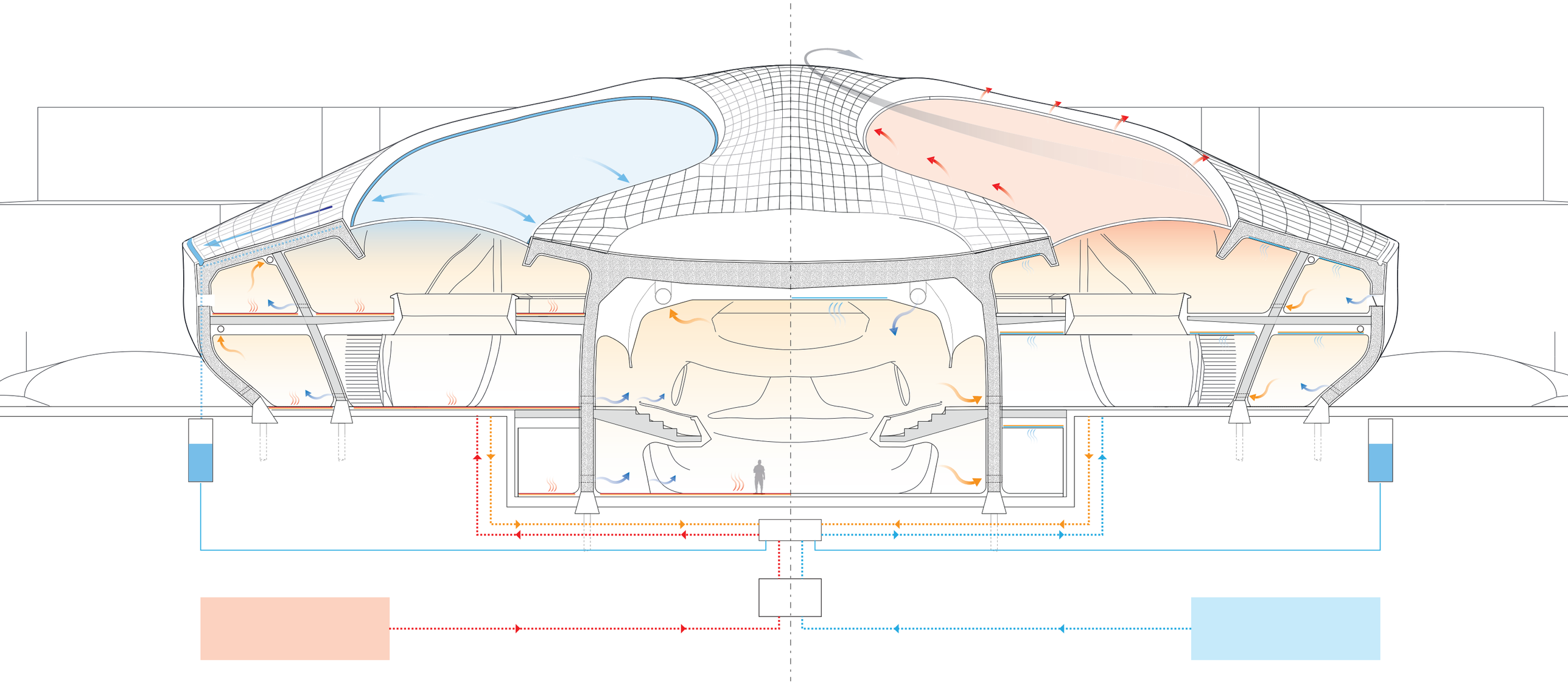


HOUSE OF CREATIVES | FLOOR PLAN +2



THINK

HOUSE OF CREATIVES | CLIMATE SECTION



WINTER

SUMMER

REINFORCED MYCELIUM COMPOSITE (RMC)

HOUSE OF CREATIVES | MYCELIUM

- LIGHTWEIGHT:
MYCELIUM-BASED BUILDING MATERIALS ARE LIGHT-WEIGHT, MAKING THEM EASY TO TRANSPORT AND HANDLE DURING CONSTRUCTION.

- SUSTAINABLE:
MYCELIUM IS A RENEWABLE RESOURCE THAT CAN BE GROWN QUICKLY AND REQUIRES MINIMAL RESOURCES, MAKING IT AN ENVIRONMENTALLY FRIENDLY BUILDING MATERIAL.

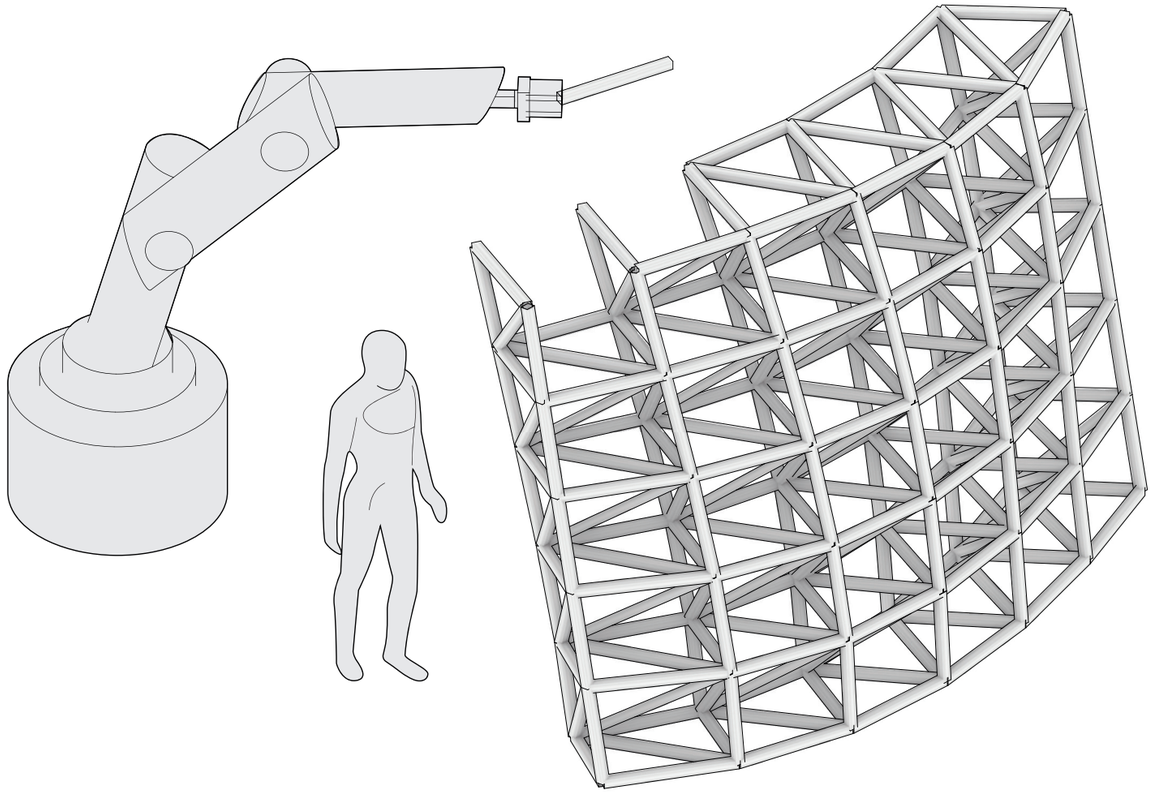
- FIRE-RESISTANT:
MYCELIUM POSSESSES INHERENT FIRE-RESISTANT PROPERTIES, REDUCING THE RISK OF FIRE HAZARDS IN BUILDINGS CONSTRUCTED WITH MYCELIUM-BASED MATERIALS.

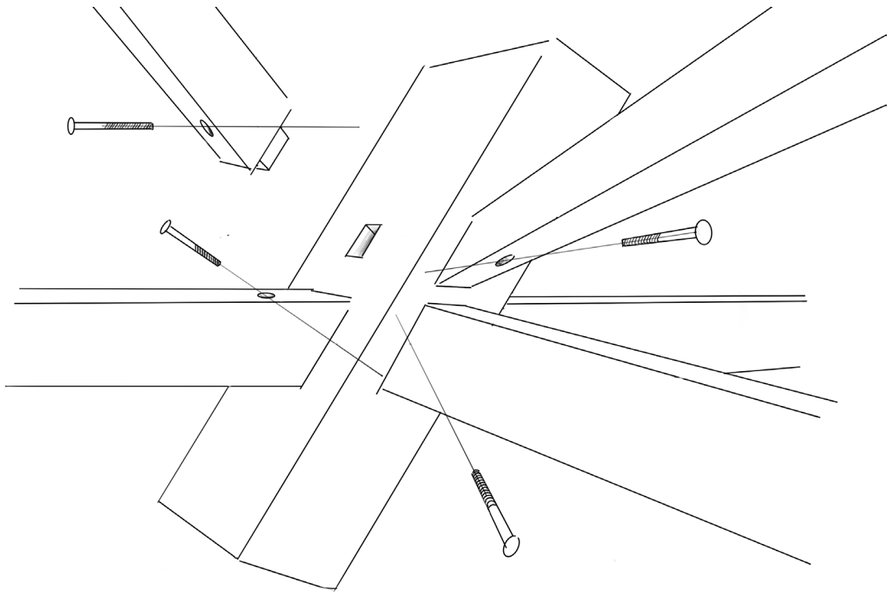
- INSULATING:
MYCELIUM MATERIALS HAVE GOOD INSULATING PROPERTIES, PROVIDING THERMAL AND ACOUSTIC INSULATION FOR BUILDINGS.

- STRONG AND DURABLE:
MYCELIUM COMPOSITES CAN BE ENGINEERED TO HAVE HIGH STRENGTH AND DURABILITY, CAPABLE OF WITHSTANDING STRUCTURAL LOADS.

- BIODEGRADABLE:
AT THE END OF THEIR LIFE CYCLE, MYCELIUM-BASED MATERIALS ARE FULLY BIODEGRADABLE, MINIMIZING WASTE AND CONTRIBUTING TO A CIRCULAR ECONOMY.

HOUSE OF CREATIVES | DIGITAL FABRICATION

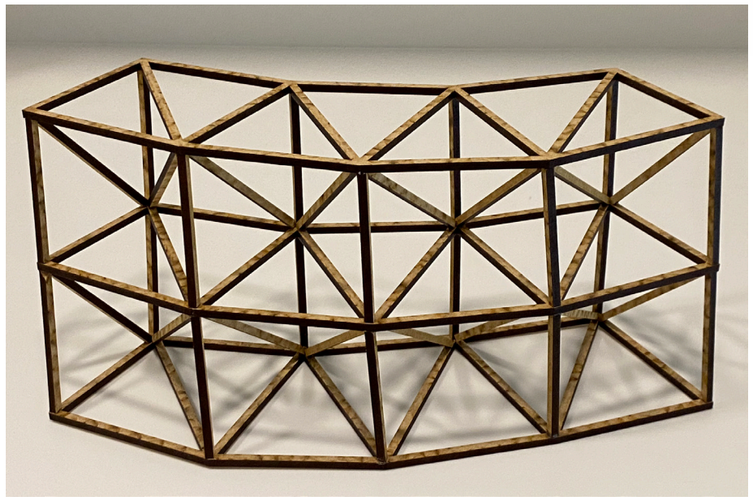




HOUSE OF CREATIVES | MYCELIUM GROWTH

GROWN bio

MYCELIUM COMPOSITE:
- HENNEP WASTE
- MYCELIUM SPORES



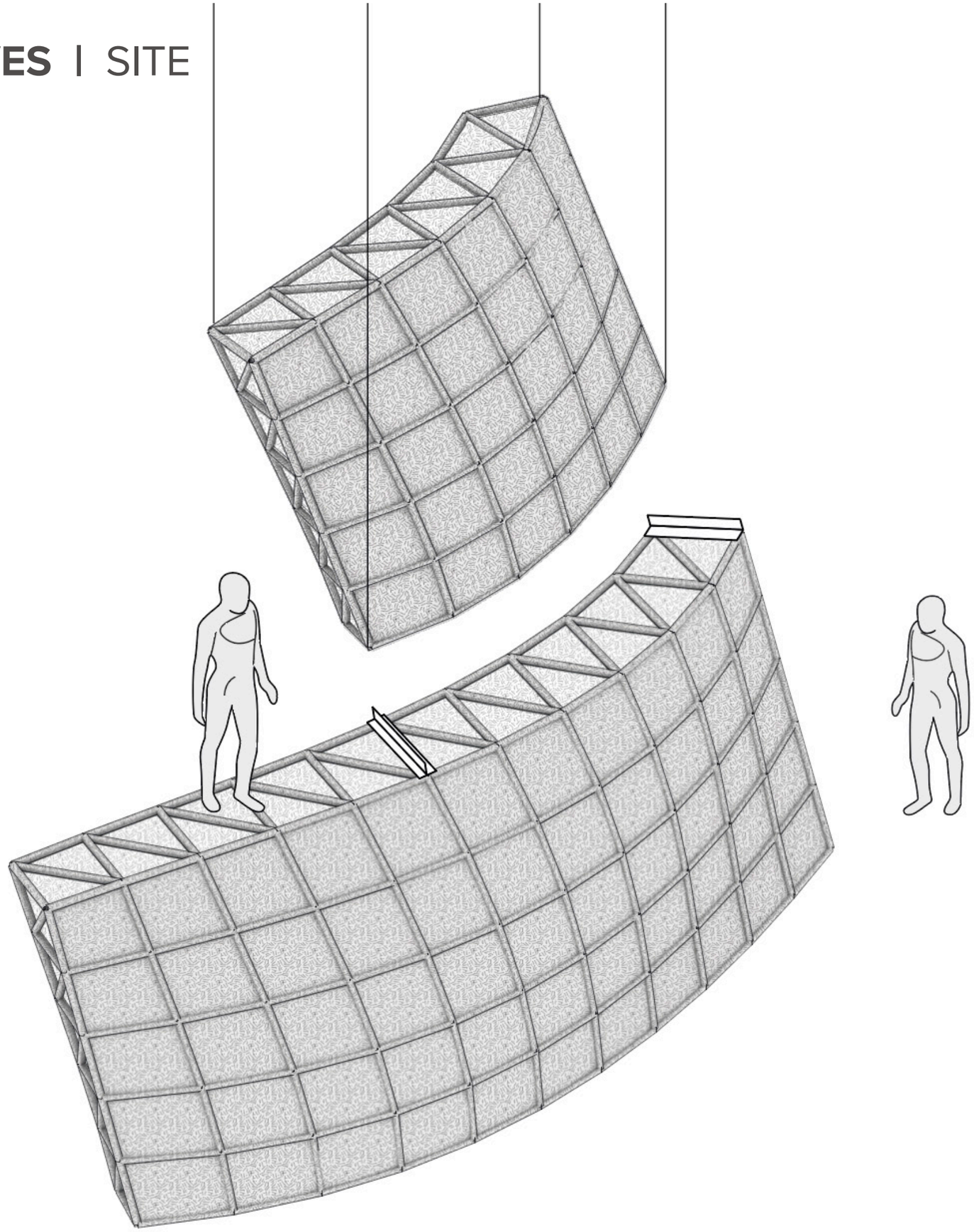
STRUCTURAL MODULE

FILL WITH
MYCELIUM COMPOSITE

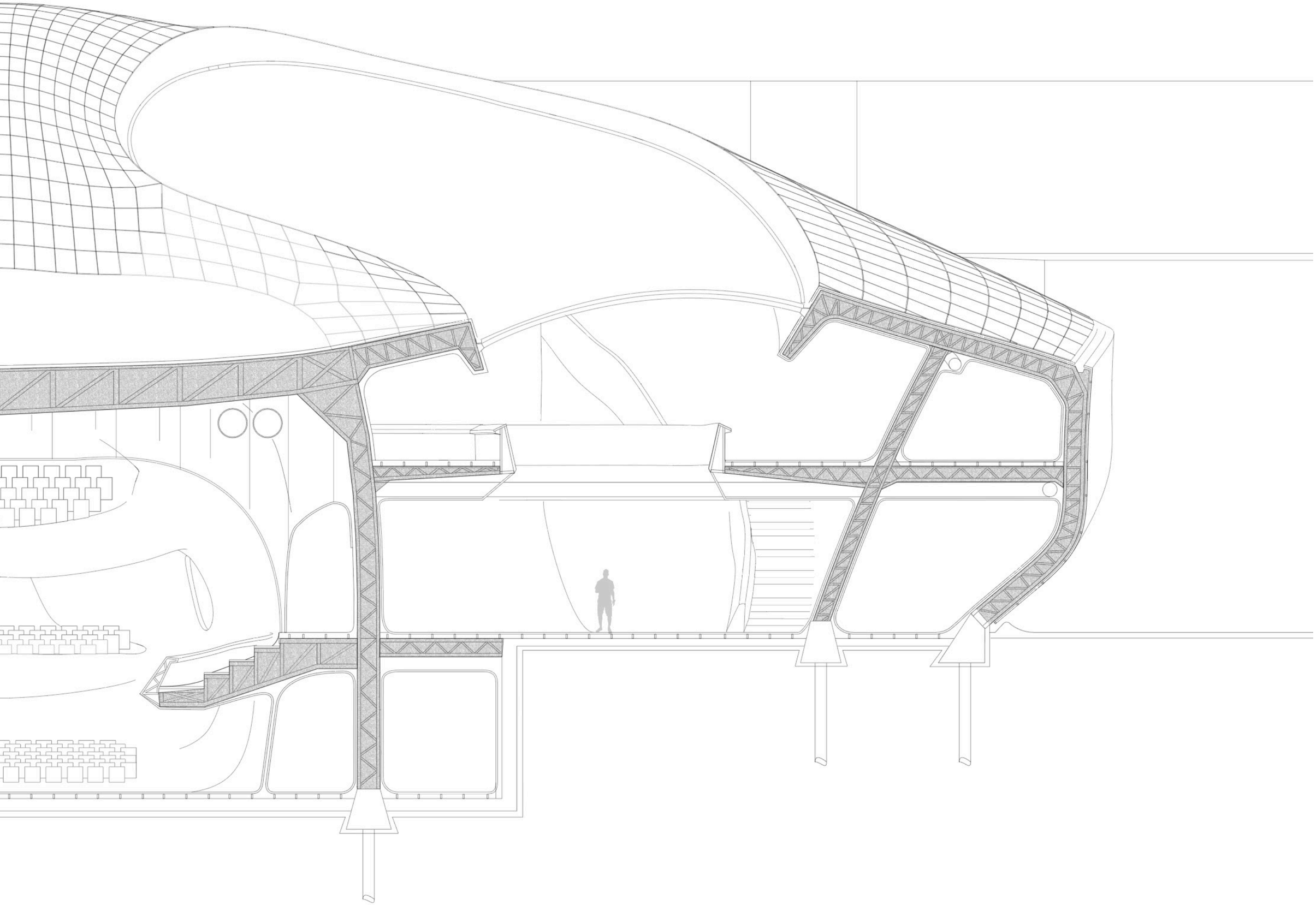
GROW
@
24-26*C
3-5 DAYS

DRY
@
40*C
3-4 HOURS
+
80*C
2 HOURS

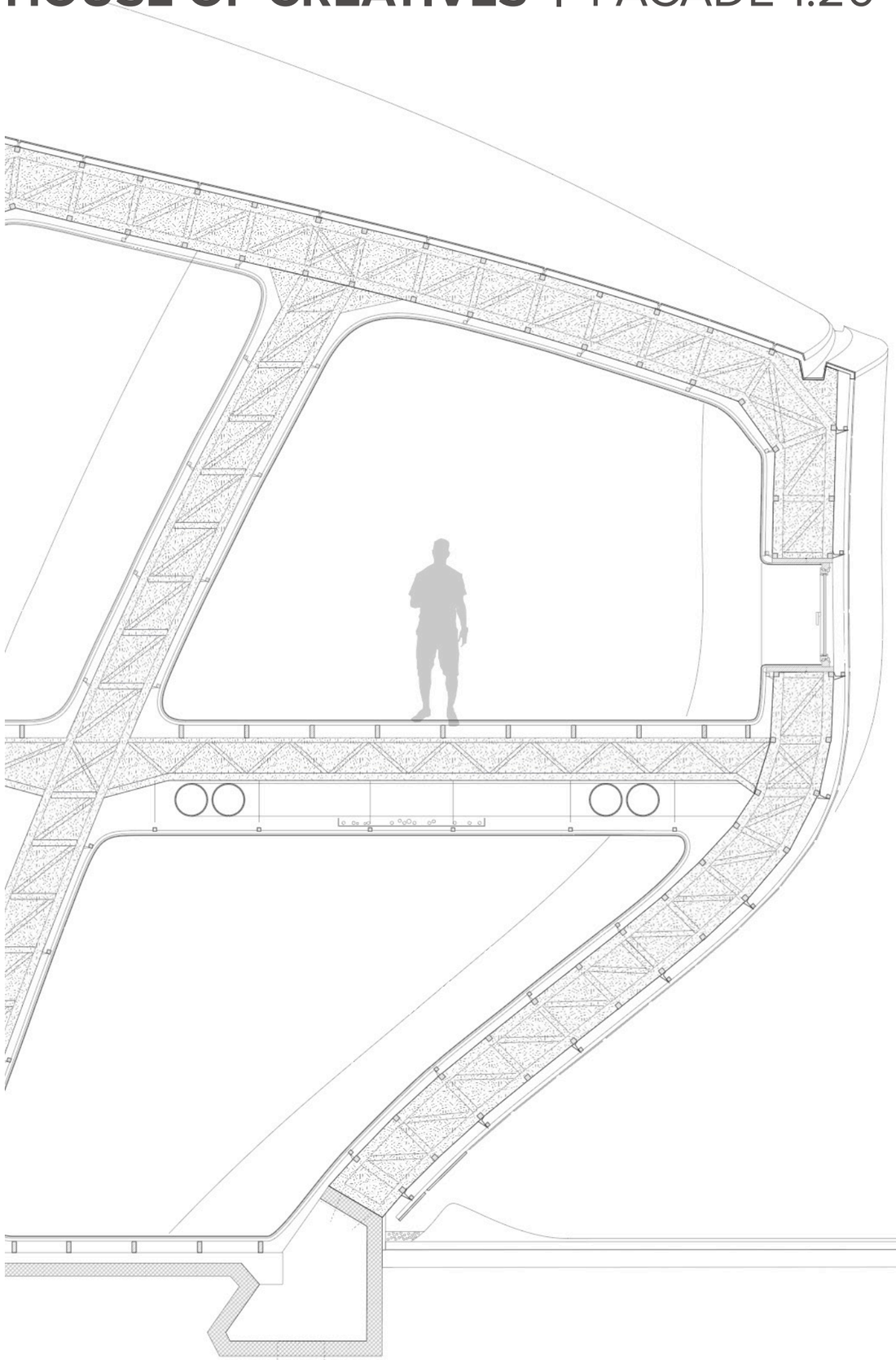
HOUSE OF CREATIVES | SITE

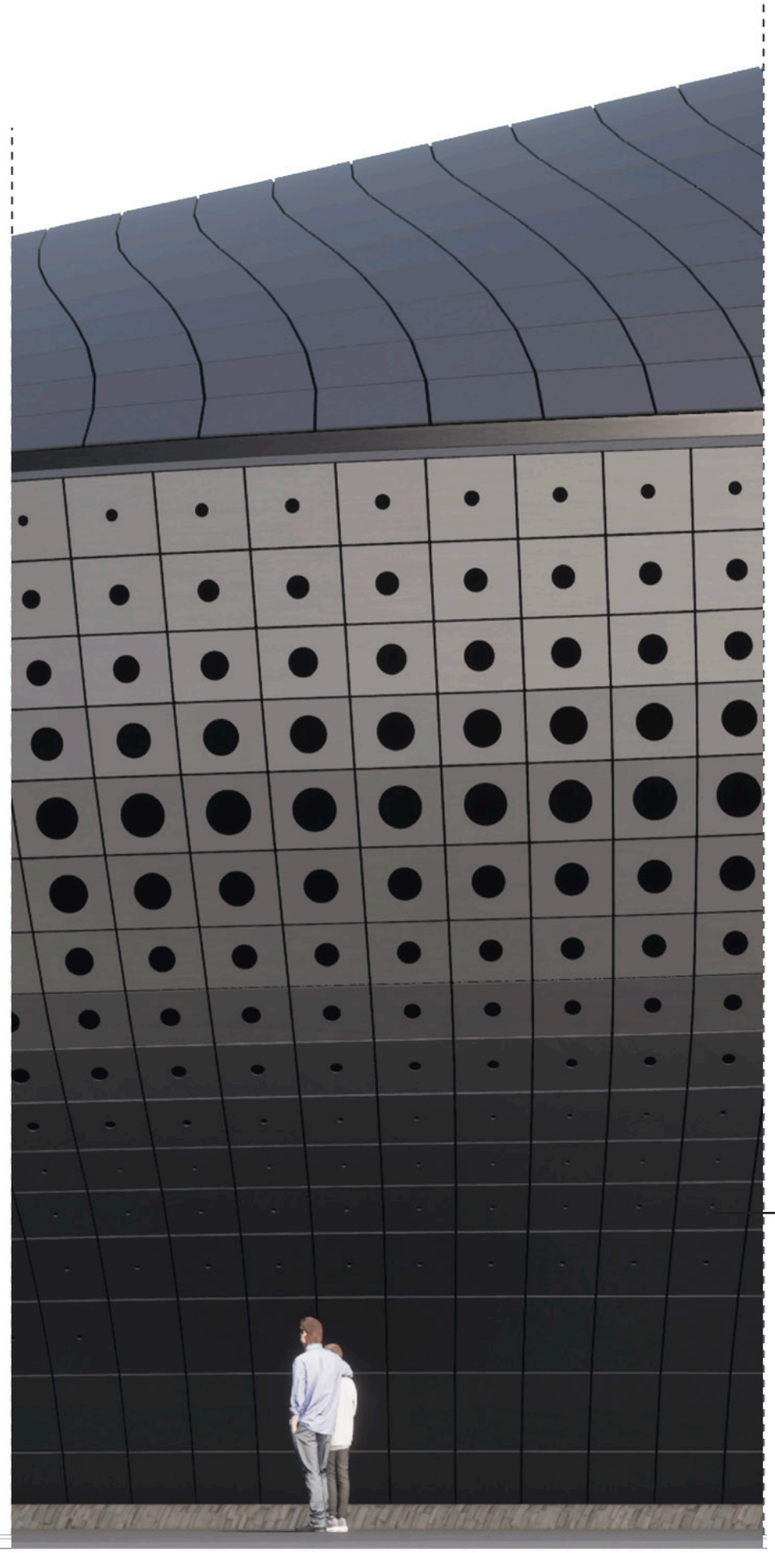


HOUSE OF CREATIVES | SECTION 1:50

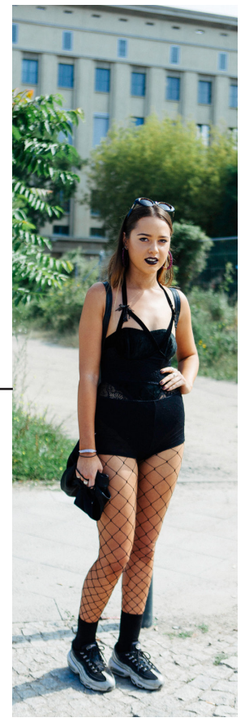


HOUSE OF CREATIVES | FACADE 1:20

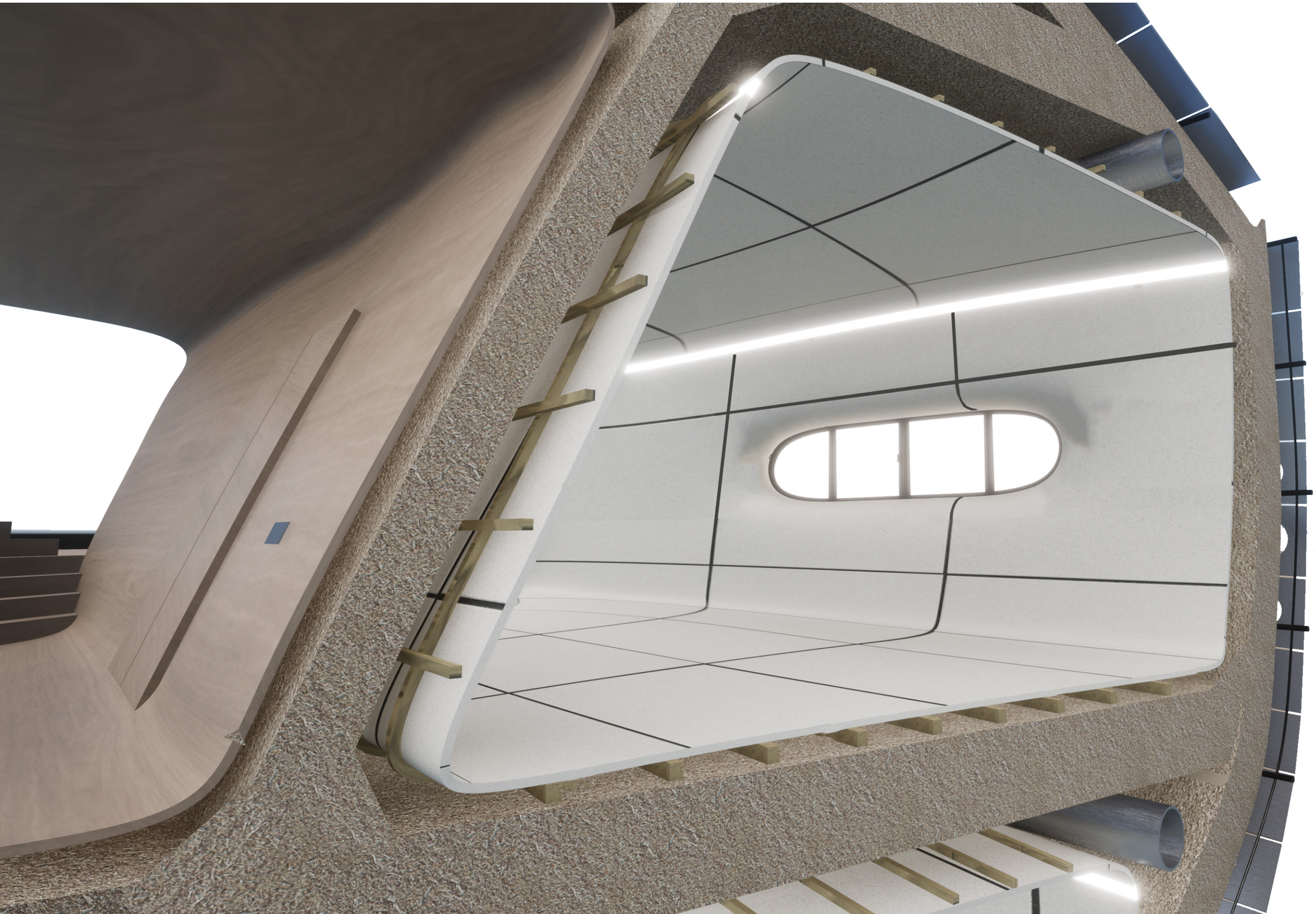




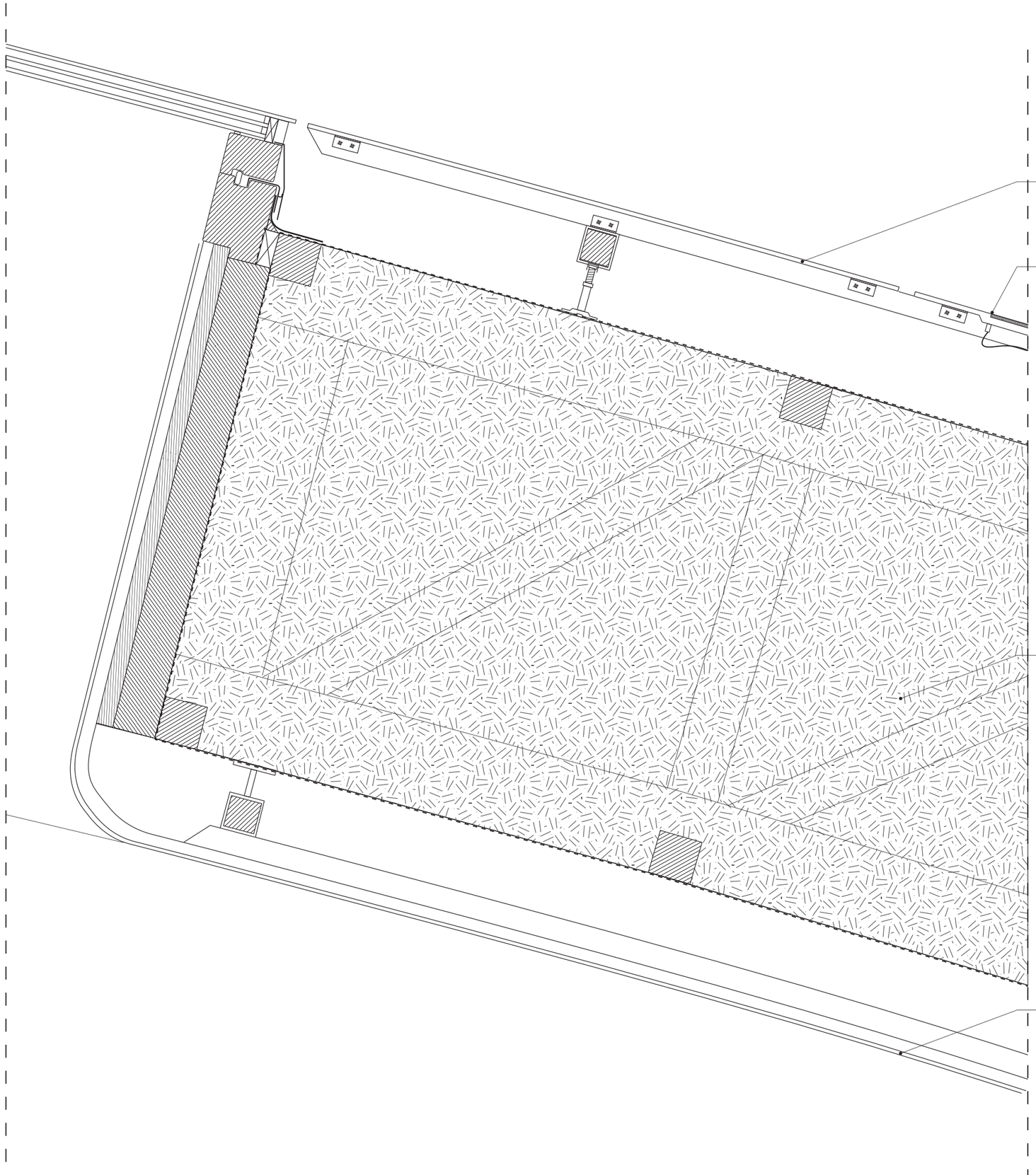
FACADE DETAIL
1:20



HOUSE OF CREATIVES | FRAGMENT



HOUSE OF CREATIVES | FACADE 1:5



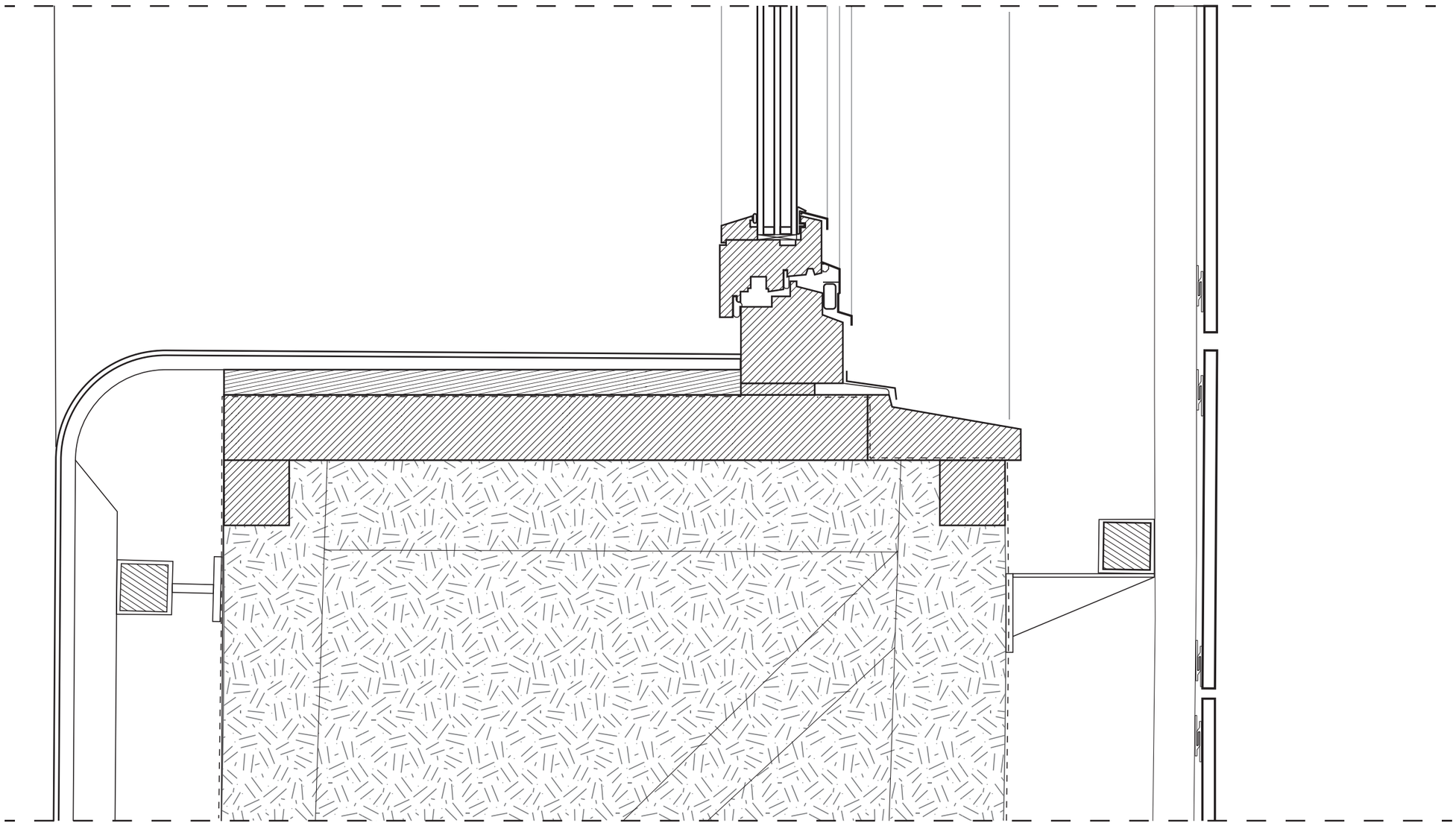
ArboBlend bioplastic, a development by Tecnaro, comprises over 90% bio-polymers, and a little under 10% is a mix of inorganic mineral compounds. These minerals help protect the material from UV light. The bioplastic contains no halogens, chlorines or bromines. Oil-based components and additives are also kept to a minimum, meaning that recycling is both easier and cleaner than normal.

Organic Photovoltaic (OPV) panels.

Reinforced Mycelium Composite (RMC). A first study of digitally fabricated wooden reinforcement combined with mycelium composite. The mycelium not only functions as a high quality insulating material, but it also supports the wooden reinforcement by growing into, and attaching to, the wooden elements. The composite consists of hemp fiber with a length of 5-15mm, making a stronger composite.

Hempcrete is a sustainable building material made from the woody core of the hemp plant mixed with a lime-based binder. It is a breathable material and has hygroscopic properties, allowing it to absorb and release moisture. This feature helps to maintain a comfortable and healthy indoor environment. Additionaly, it has good acoustic insulation properties, reducing sound transmission and improving the overall acoustic comfort within the building.

HOUSE OF CREATIVES | ROOF 1:5



HOUSE OF CREATIVES:
A CREATIVE CONDENSER IN BERLIN

ARNON VAN EMBDEN SPANJAARD
4434900

TU Delft