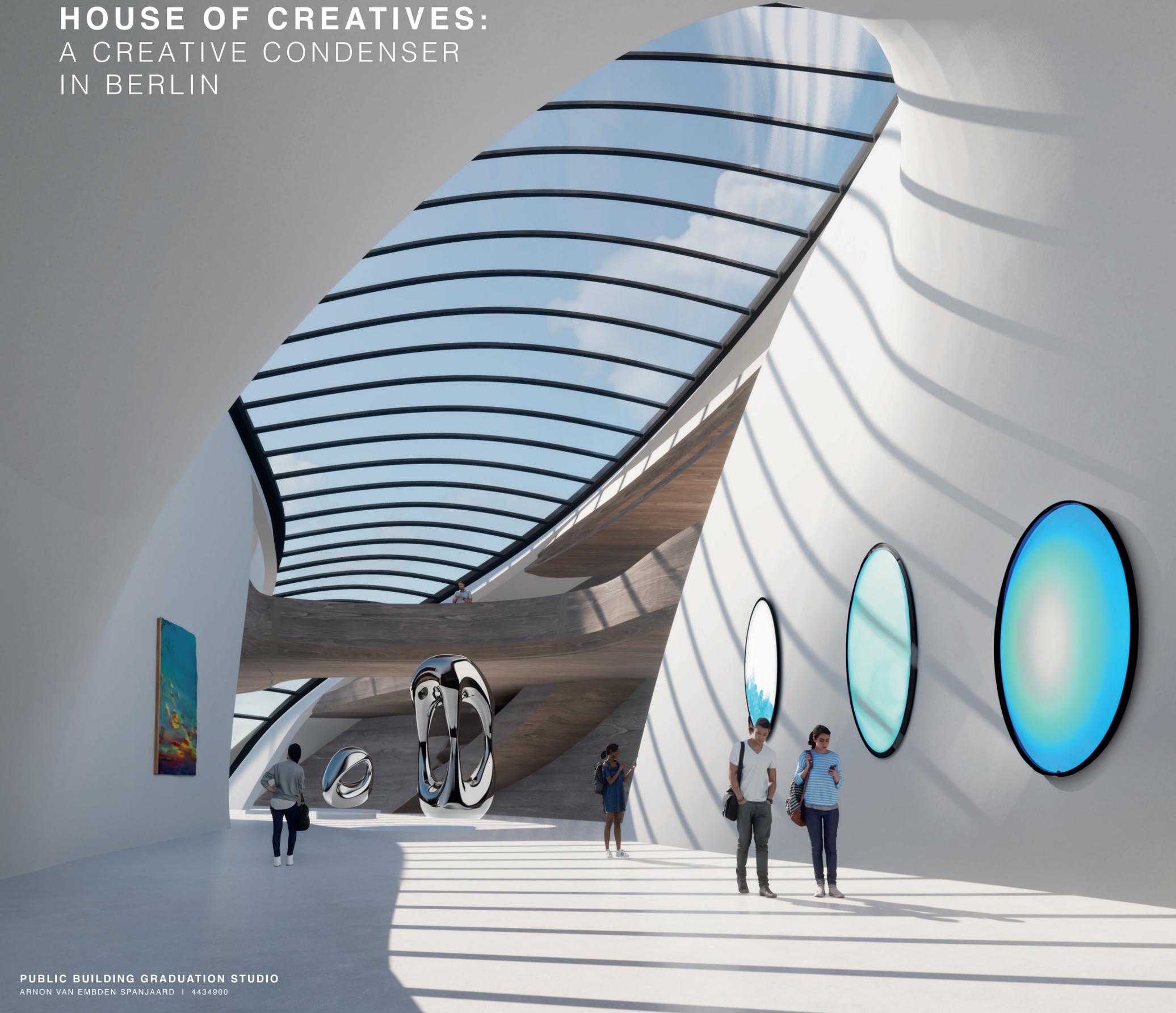
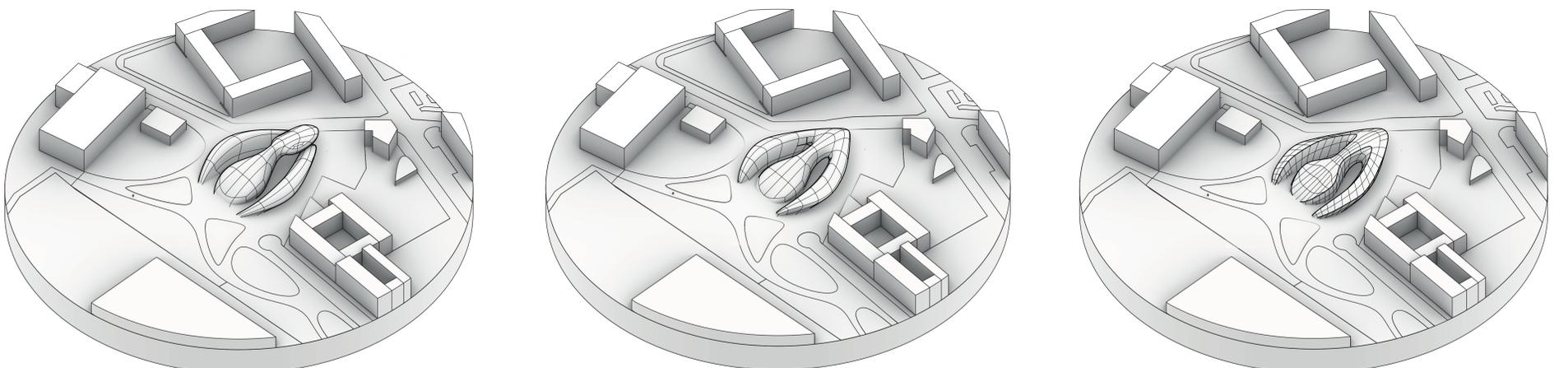
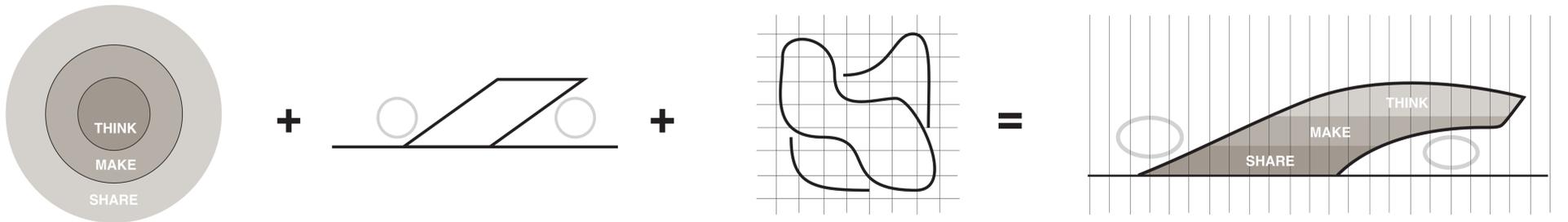


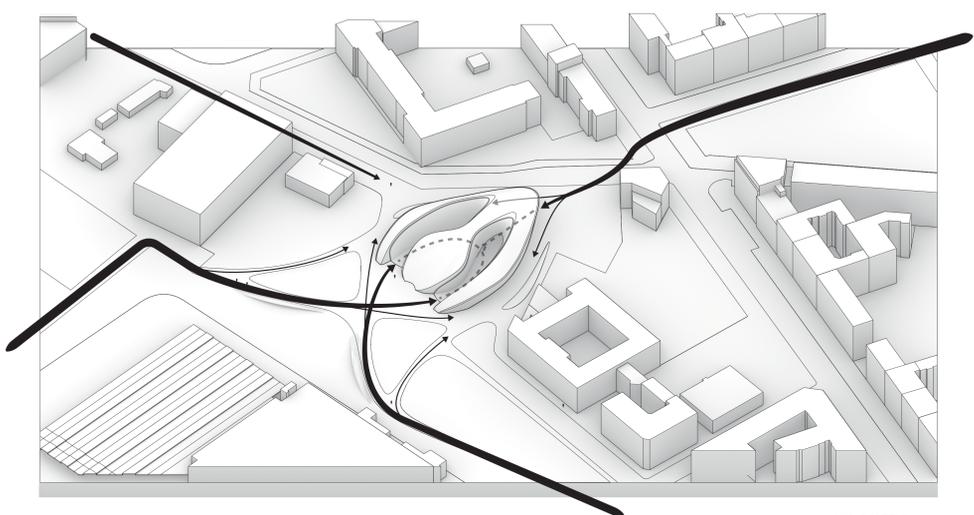
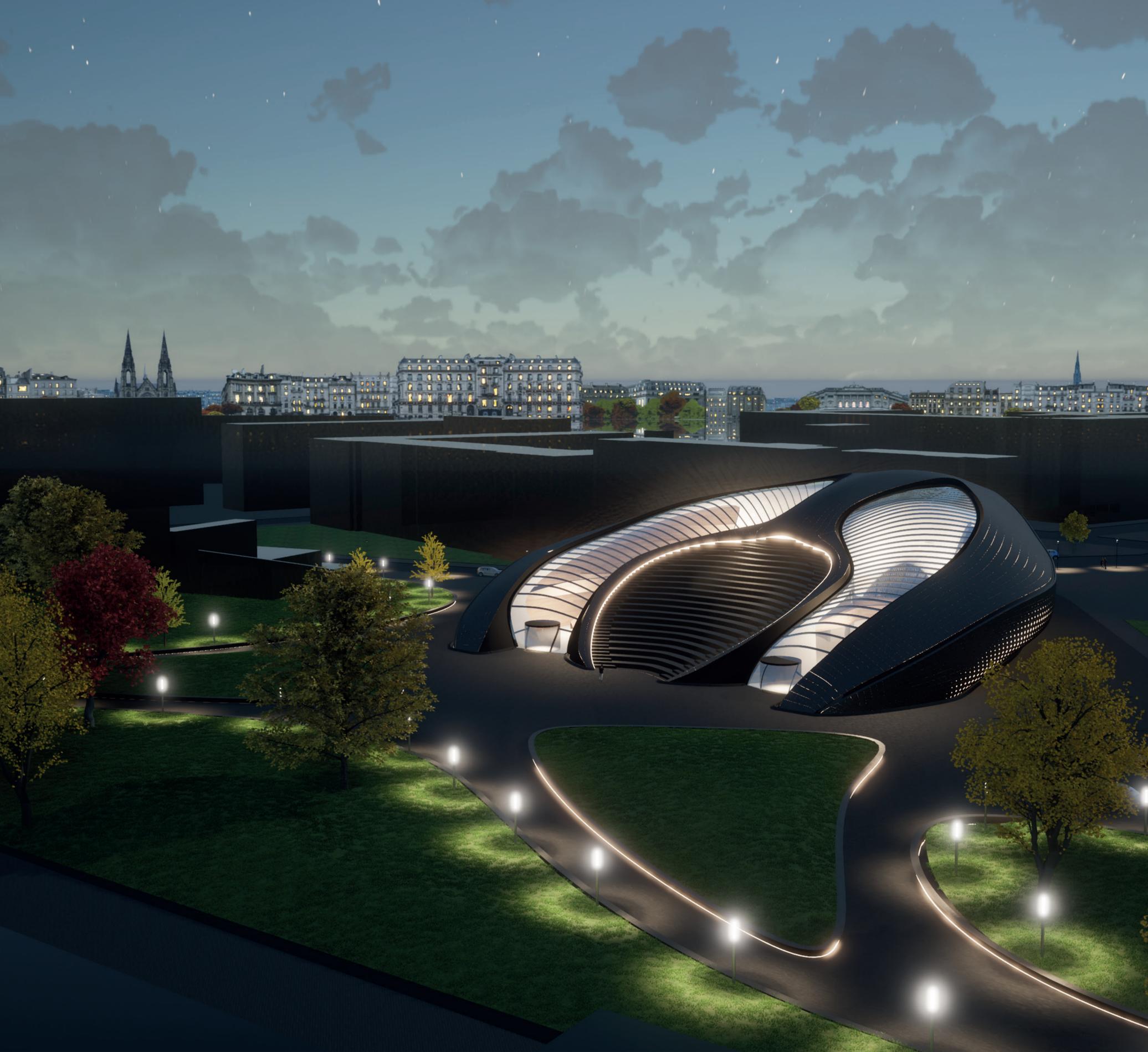
HOUSE OF CREATIVES: A CREATIVE CONDENSER IN BERLIN



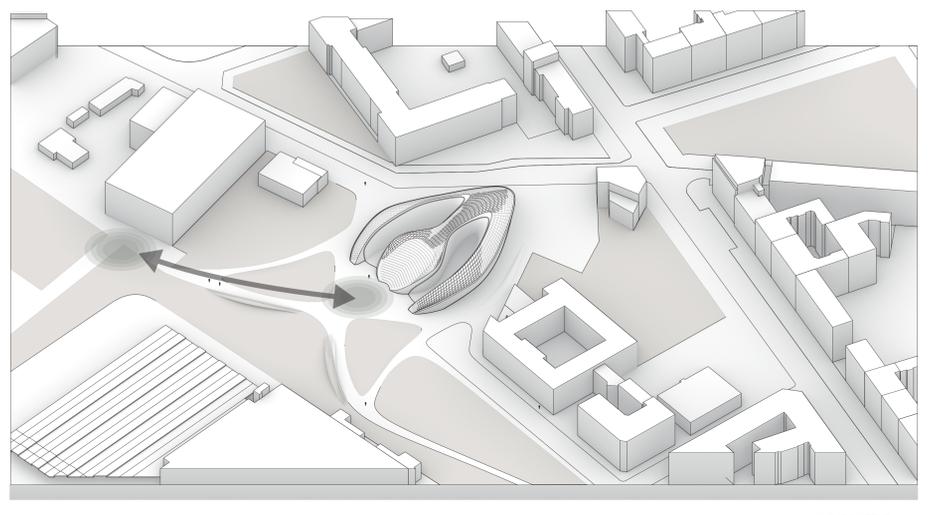
PUBLIC BUILDING GRADUATION STUDIO
ARNON VAN EMBDEN SPANJAARD | 4434900



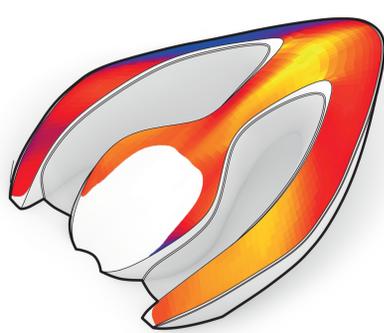
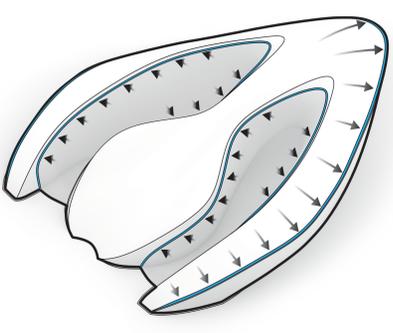
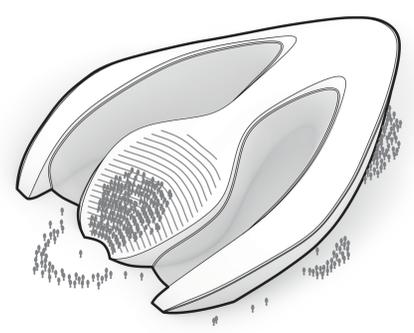
MASSING DEVELOPMENT



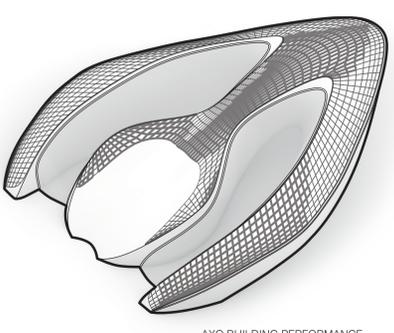
AXO CONTEXT



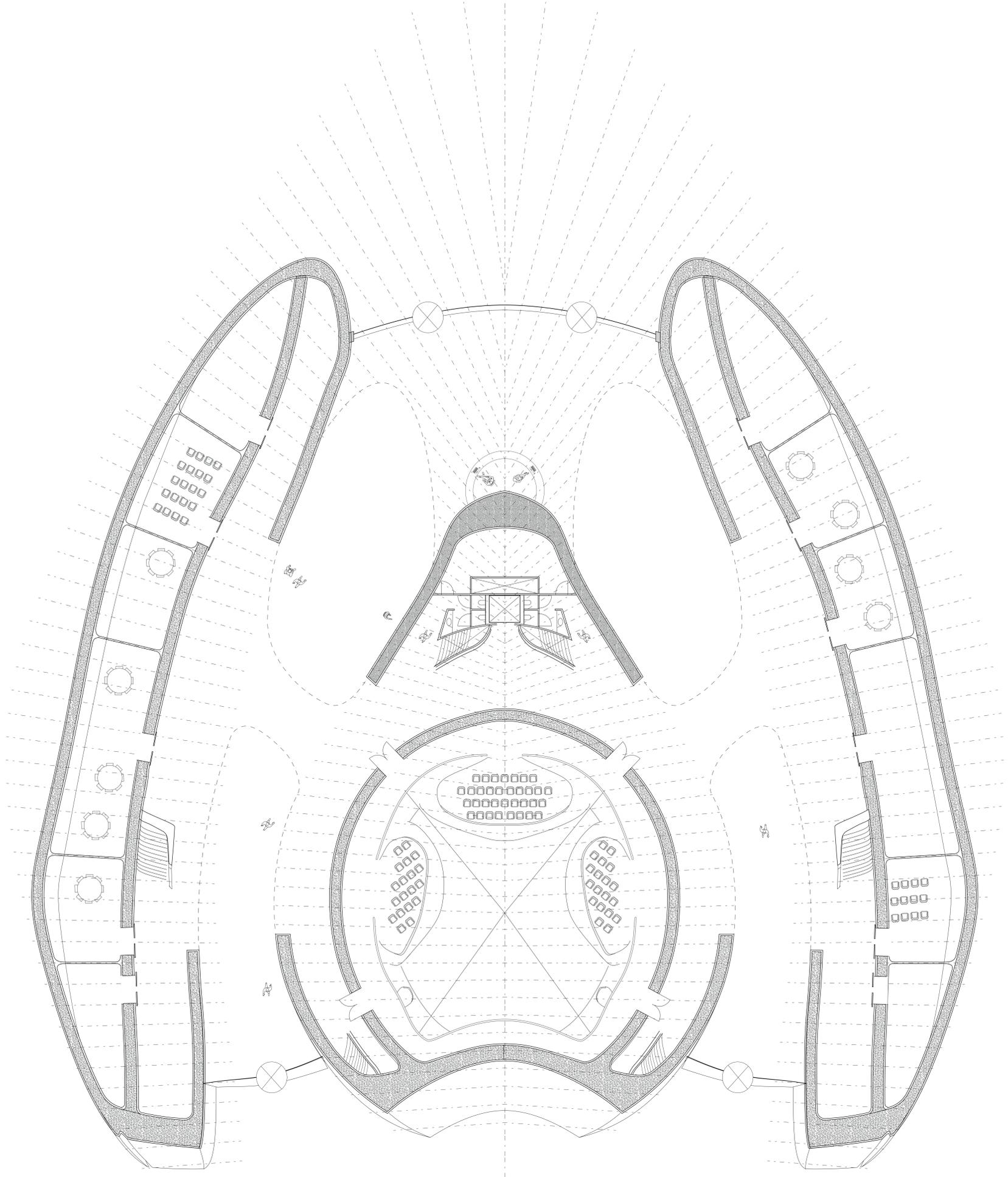
AXO CONTEXT



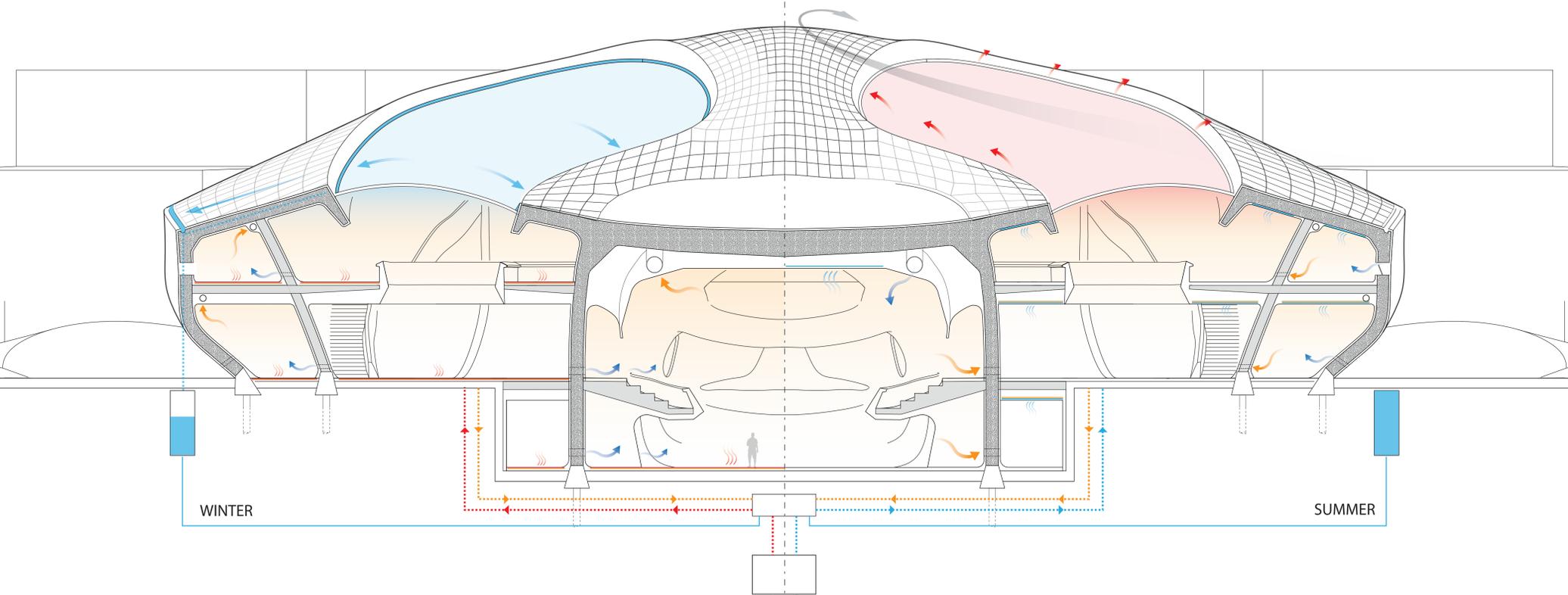
HOURS
4350
4050
3900
3750
3600
3450
3300
3150
3000
2800



AXO BUILDING PERFORMANCE



GROUND FLOOR
FLOOR PLAN 1:100

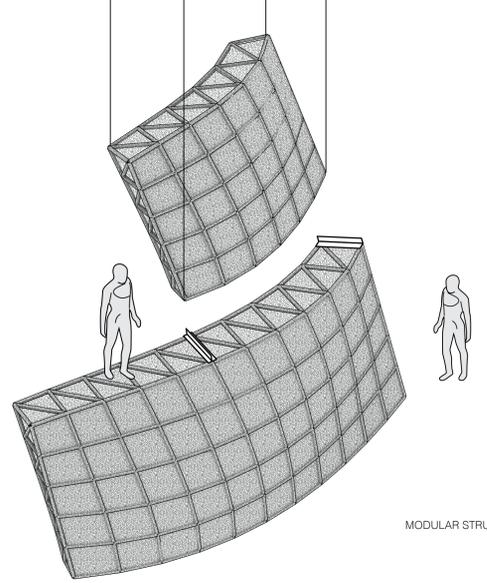
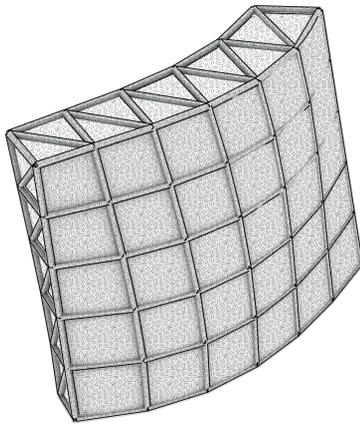
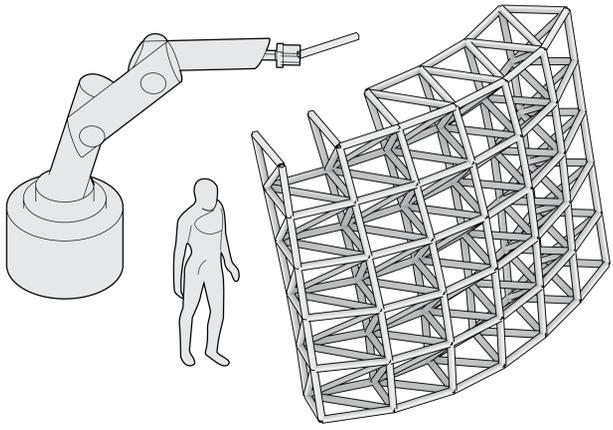


WINTER

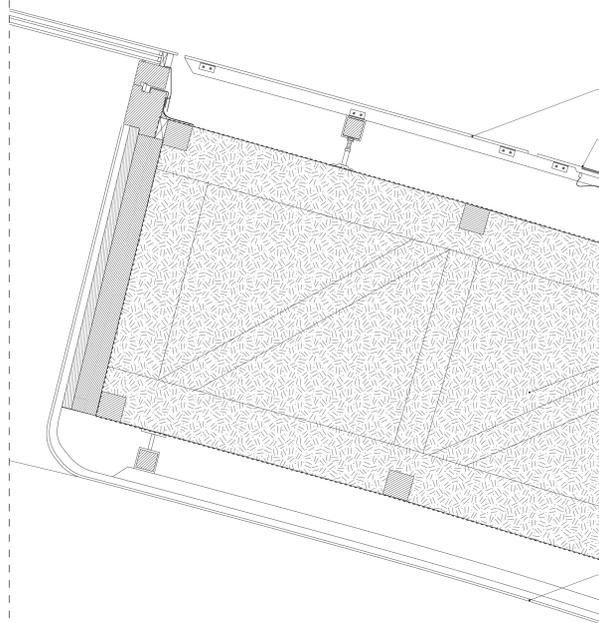
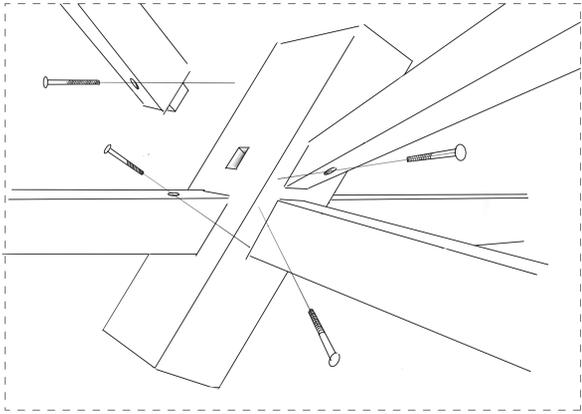
SUMMER



CLIMATE SECTION
1:100



MODULAR STRUCTURE

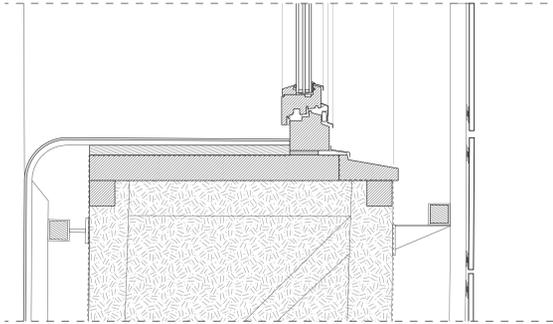


ArboBlend bioplastic, a development by Tecnar, comprises over 90% bio-polymers, and a little under 10% is a mix of inorganic mineral compounds. These minerals help protect the material from UV light. The bioplastic contains no halogens, chlorines or bromines. Oil-based components and additives are also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

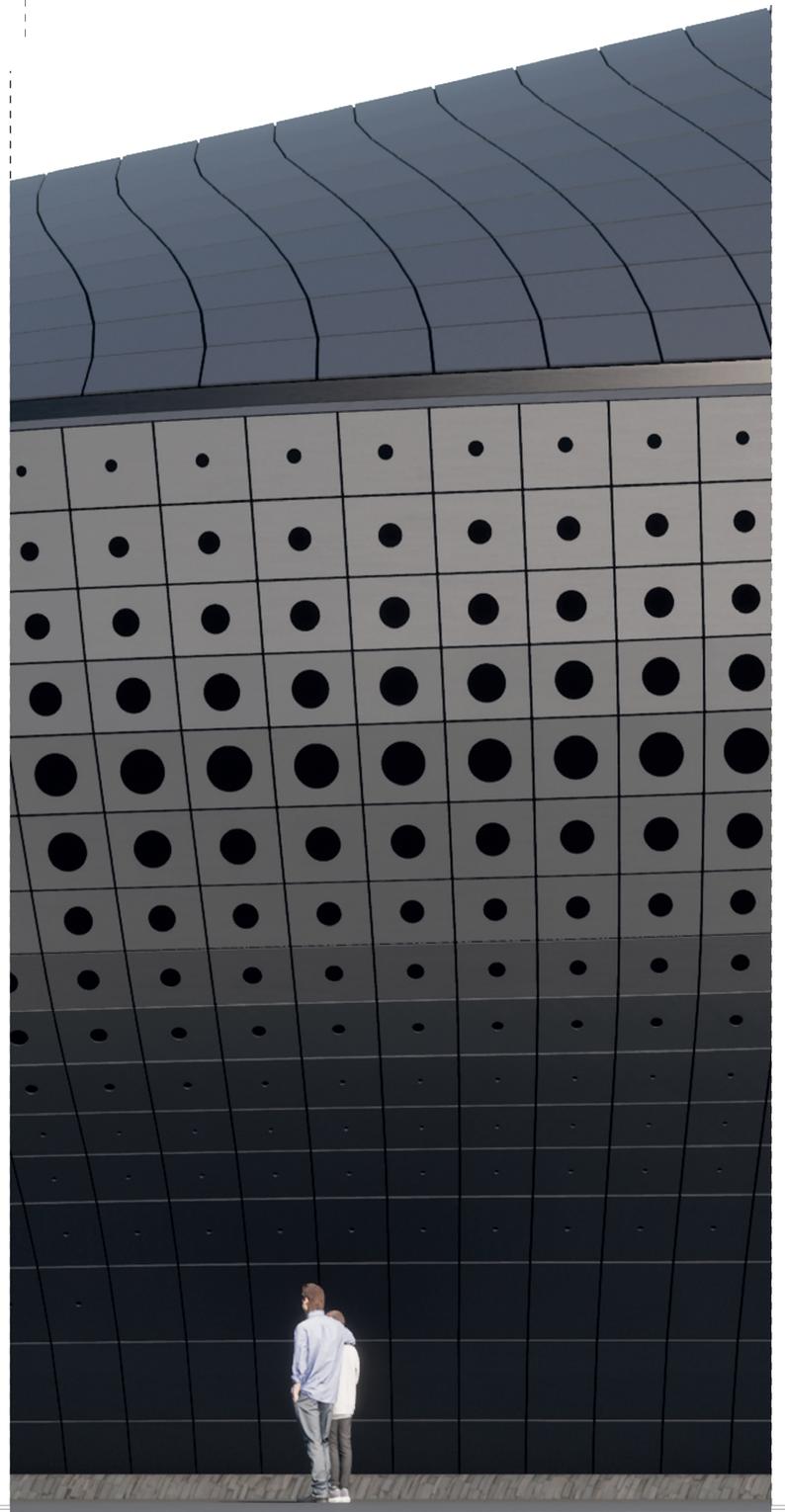
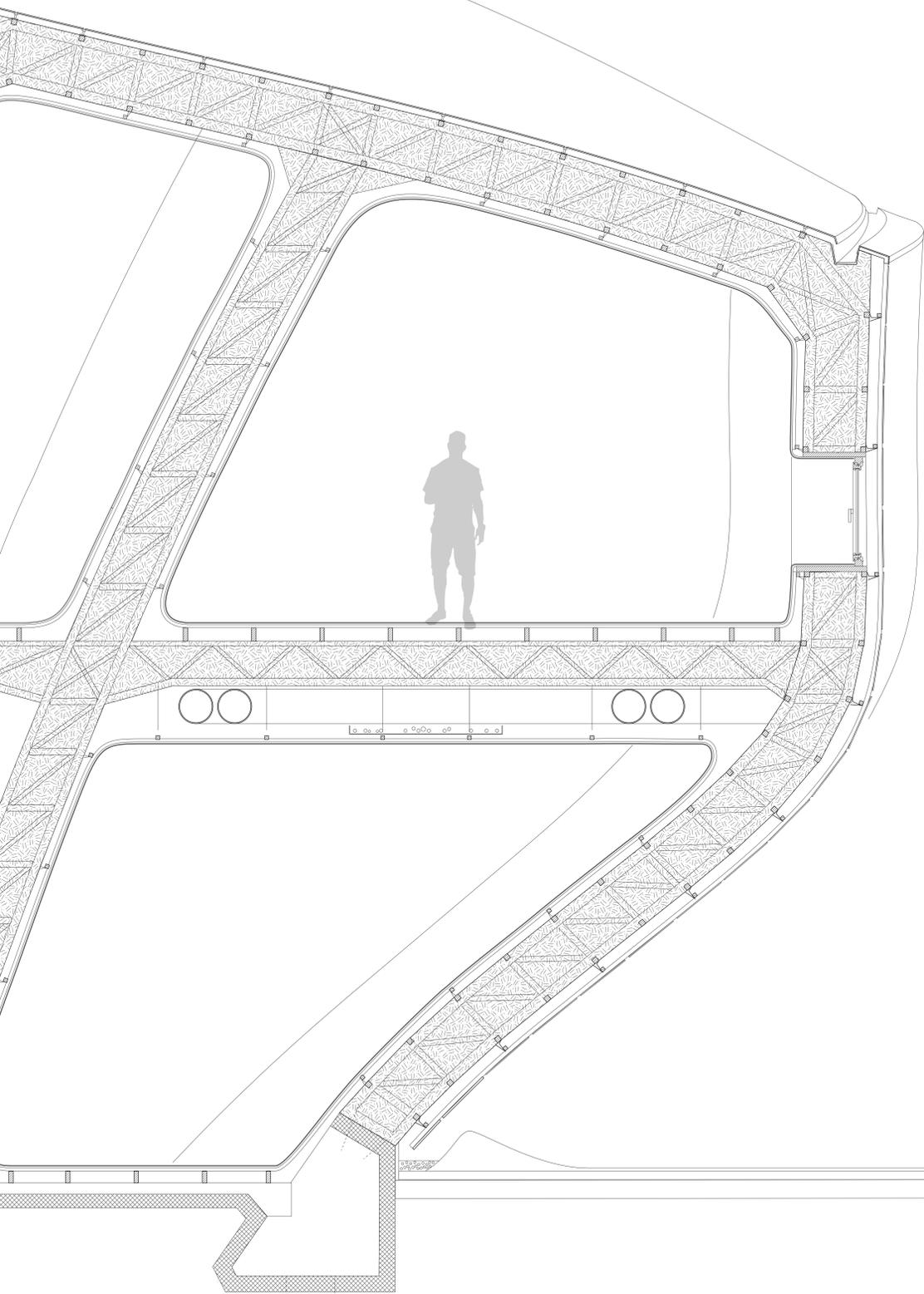
Organic Photovoltaic (OPV) panels.

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.

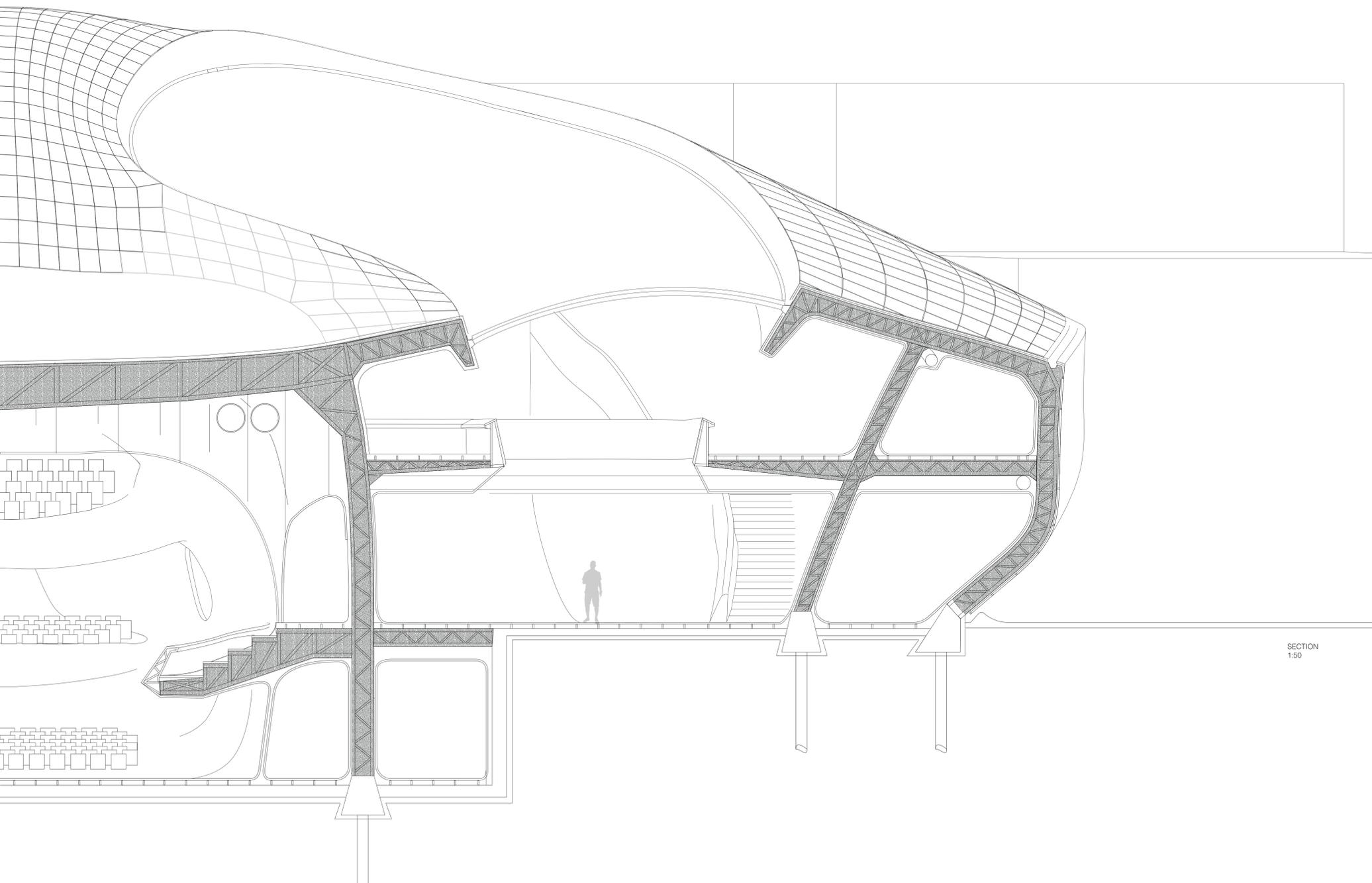
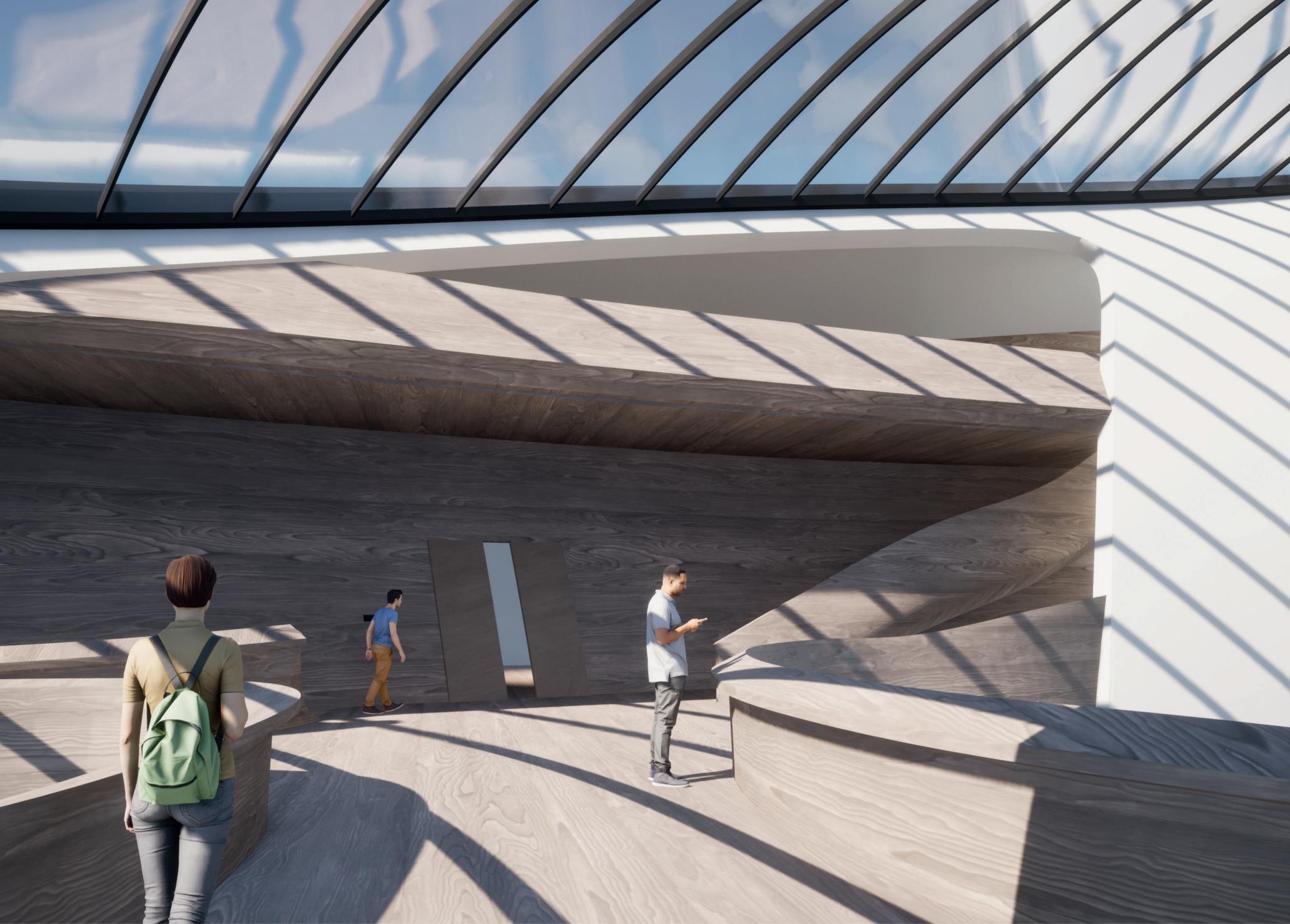
Hempcrete is a sustainable building material made from the woody core of the hemp plant mixed with a lime-based binder. It is a breathable material and has hygroscopic properties, allowing it to absorb and release moisture. This feature helps to maintain a comfortable and healthy indoor environment.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



DETAILS
1:5



FACADE DETAIL
1:20



SECTION
1:50