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## Work Samples

### Professional Projects:

UCA Pavilion, Studio TILT  
Accelerate Places co-working space, Studio TILT  
Moscow Bus Stop, Billings Jackson Design

### Personal/Academic Projects:

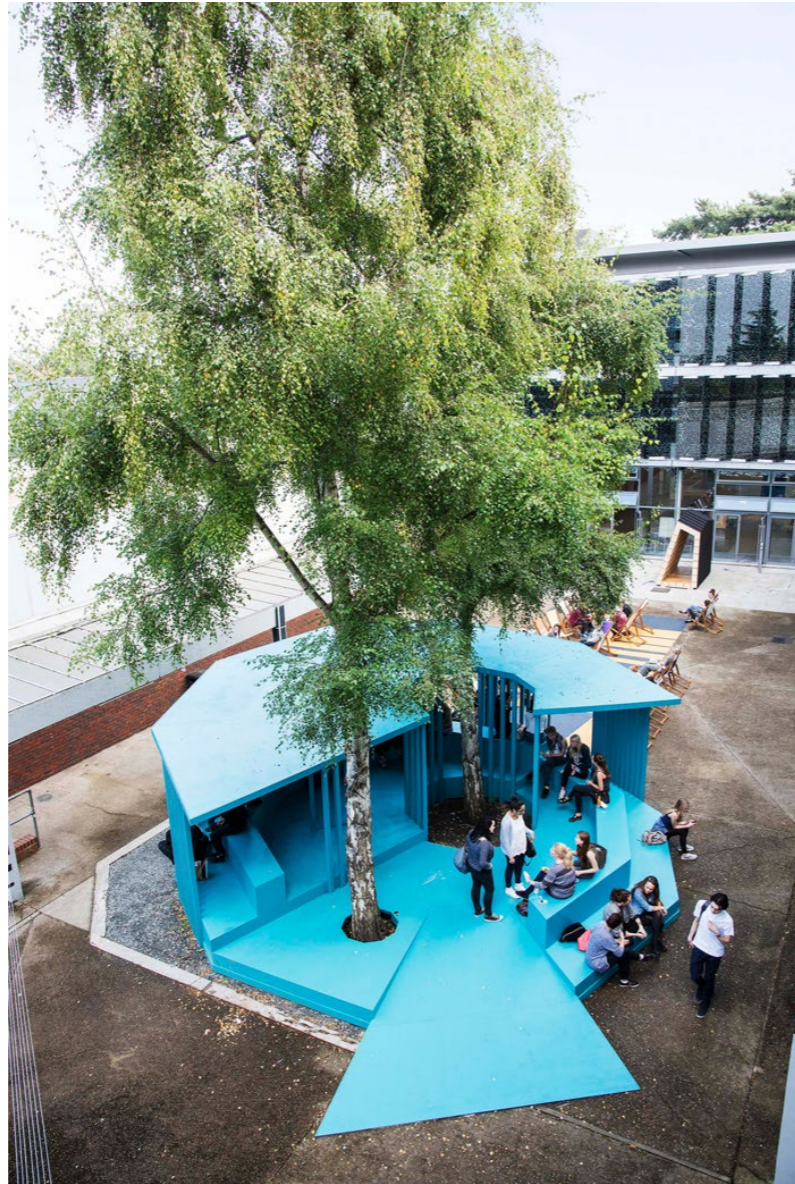
Inverted Dome  
Artificial Sky

## UCA Pavilion, Studio TILT

The overall brief for the project was to create an inspiring social hub for students where they could hang out, connect and engage creatively.

At Studio TILT, we worked closely with students and faculty members through a series of co-design workshops to interrogate the brief and collectively develop and prototype design solutions.

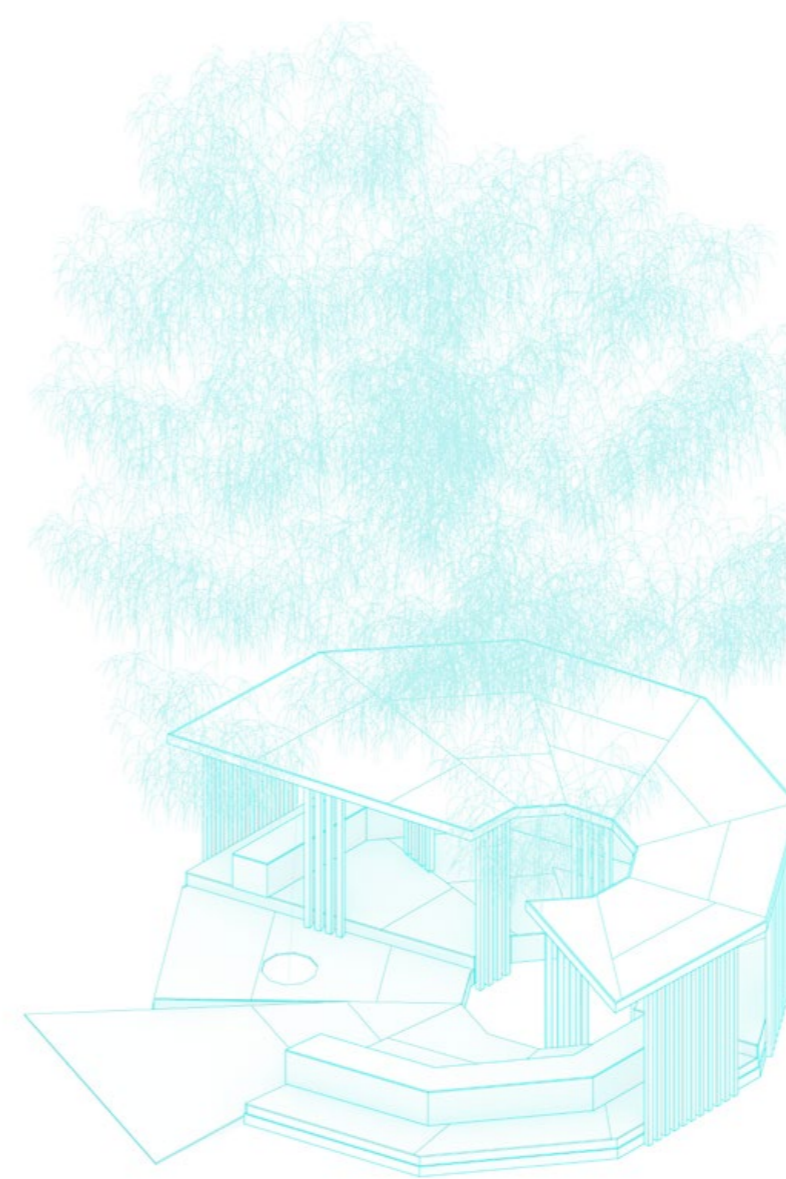
The result was the design of 'the Pier' – a landmark structure in prime position in the Quadrangle, a student-centred democratic area. The timber structure was clad in CNC cut plywood and created an artificial landscape of layers, levels and screens to form a shelter around the existing trees to accommodate a number of student-run recreational activities.



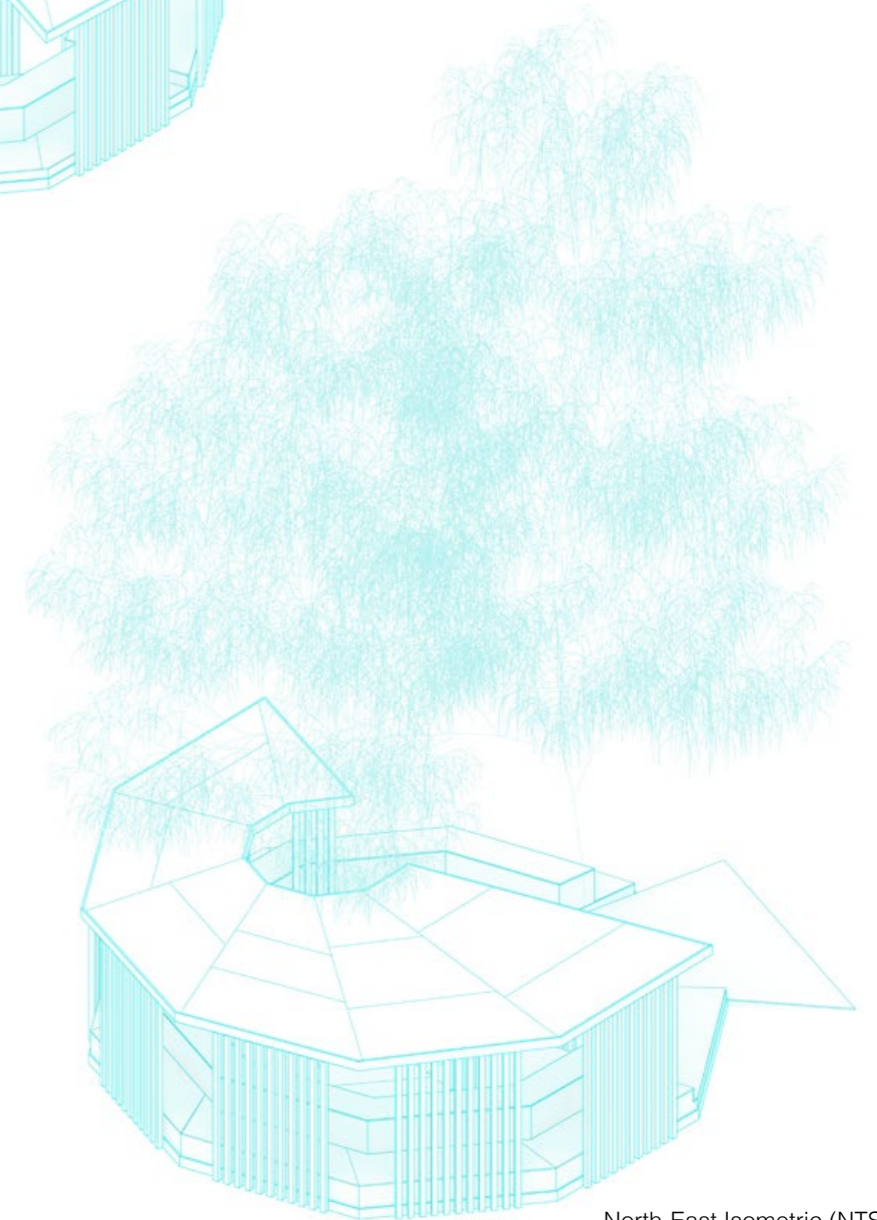
Photograph after construction (Credits: Jill Tate)



Photograph after construction (Credits: Jill Tate)



South-West Isometric (NTS)



North-East Isometric (NTS)



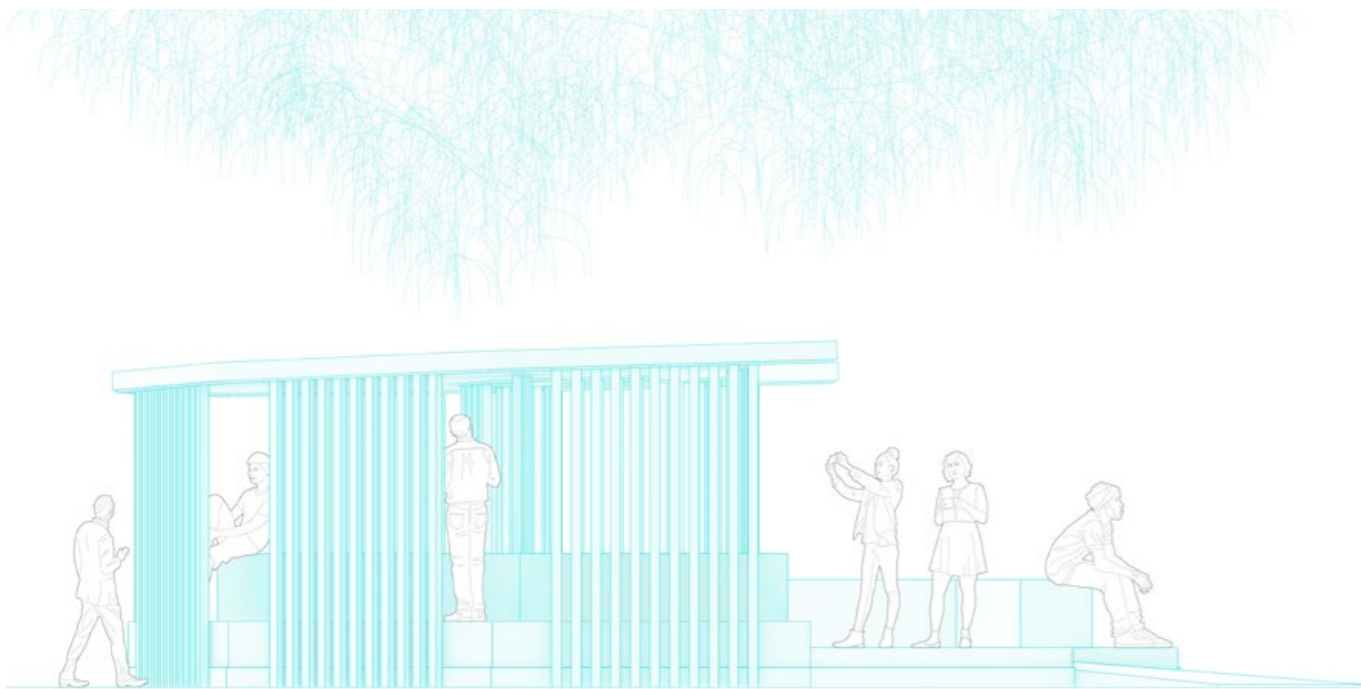
Photograph after construction (Credits: Jill Tate)



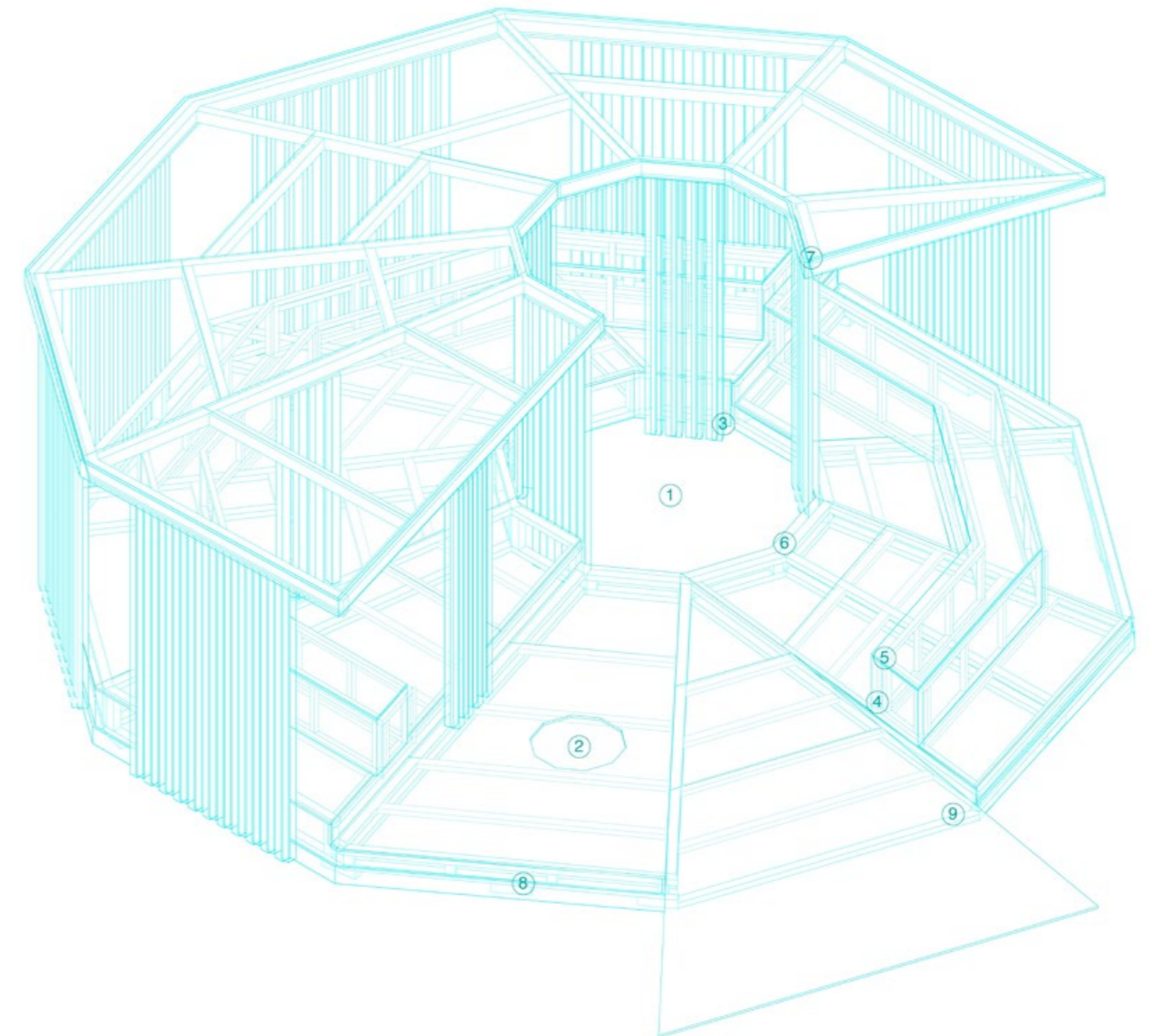
Photograph after construction (Credits: Jill Tate)



Photograph after construction (Credits: Jill Tate)



Front Elevation (NTS)



Isometric view of the structural diagram (NTS)

## Accelerate Places co-working space (Blenheim Chalcot), Studio TILT

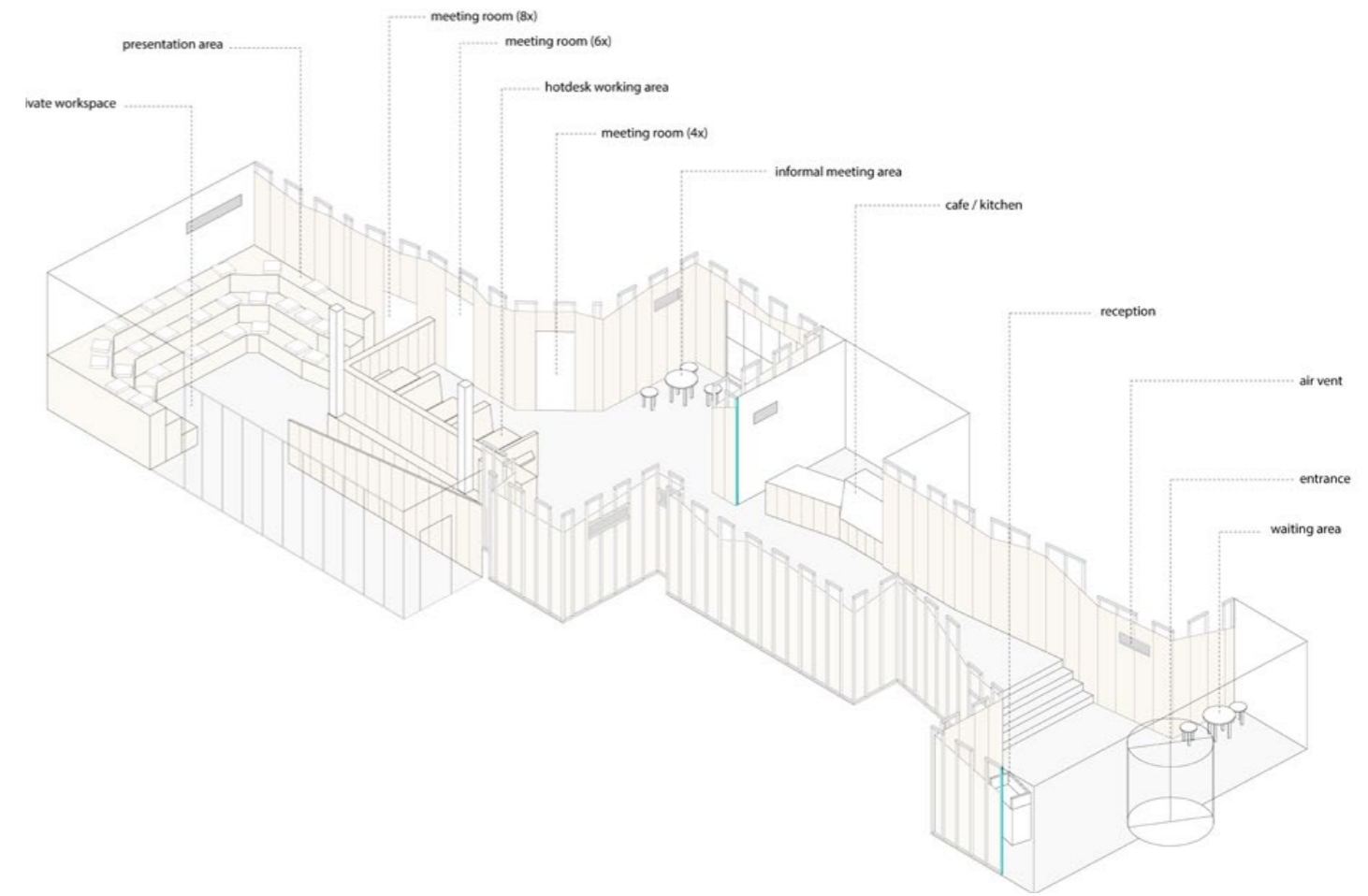
Working with Accelerate Places, Studio TILT was asked to create an inspiring co-working space at the center of Nottingham, England.

Working with the shell of an existing building in the heart of Nottingham, Studio TILT created an atmosphere across all the spaces that are distinct and exciting. The space is contemporary, flexible, practical and delivered in tight coordination with the business model created a need to develop the first floor plans that are dense and cost-effective but also dynamic and flexible.

Studio TILT produced a design for the reception, ground floor and first floor that maximised the flexibility of a relatively small space, thereby creating a sense of increased space in reception and ground floor – providing storage, formal/informal meeting spaces and a cafe. We mixed natural and other sustainable materials and combined the existing steel load-bearing framework to create a contemporary space that reflects a distinct character.



Photograph after completion (Credits: Jill Tate)



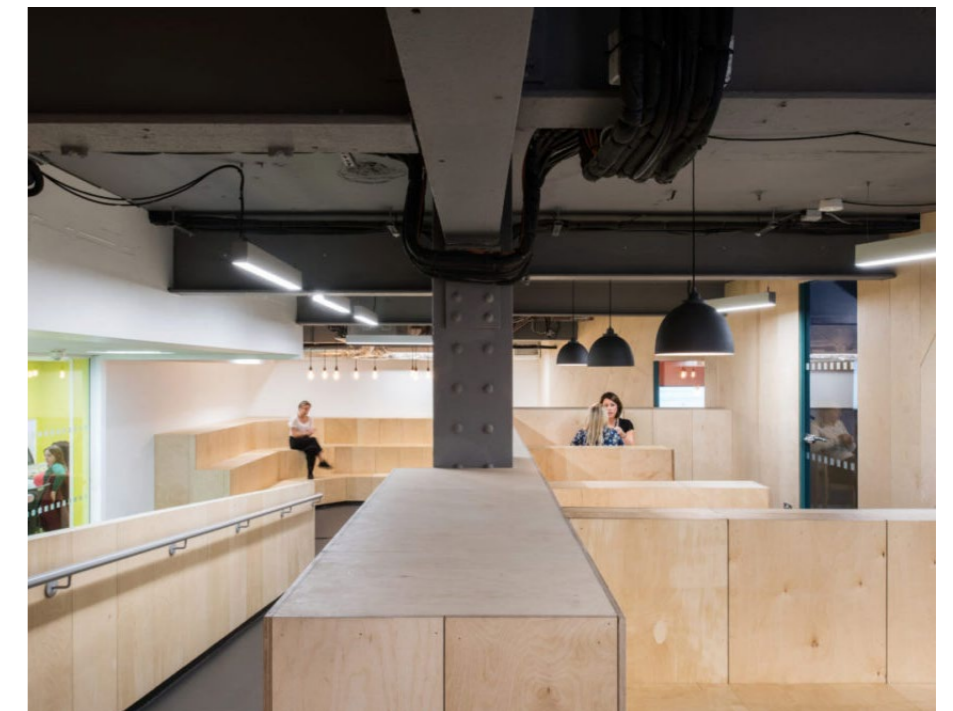
Diagrammatic isometric (NTS)



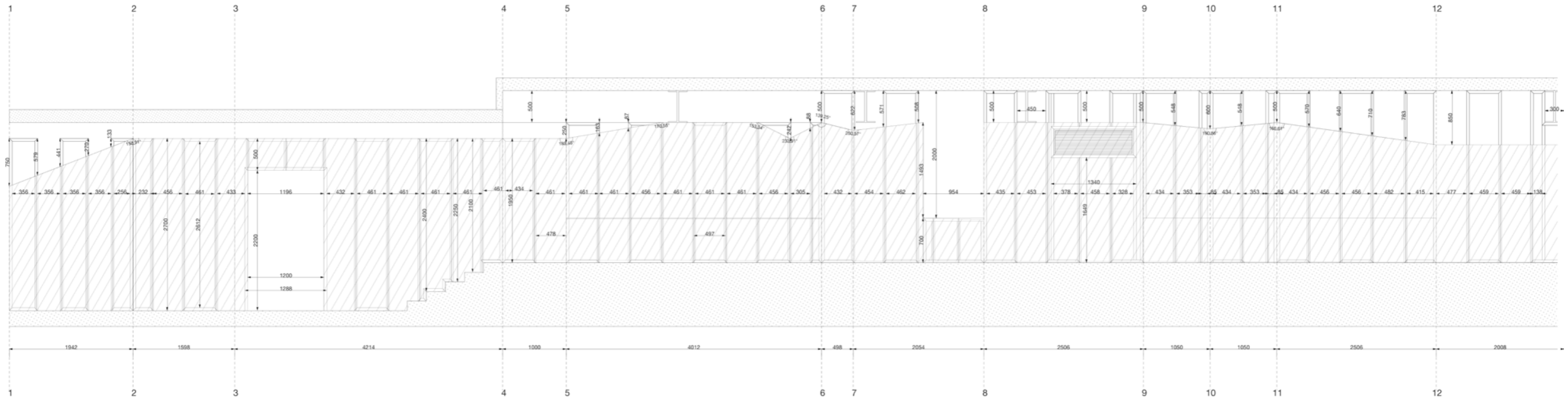
Photograph after completion (Credits: Jill Tate)



Photograph after completion (Credits: Jill Tate)



Photograph after completion (Credits: Jill Tate)



Flattened Section of the developed design (NTS)

The birch-plywood interior was designed to playfully extend through the ground floor, connecting the formal/informal spaces within. These interconnected spaces encouraged collaboration through enticing expected and unexpected encounters between visitors, creating a continuous space buzzing with activity and conversation.



Photograph after completion (Credits: Jill Tate)



Photograph after completion (Credits: Jill Tate)



Photograph after completion (Credits: Jill Tate)

## Moscow Bus-Stops, BJD

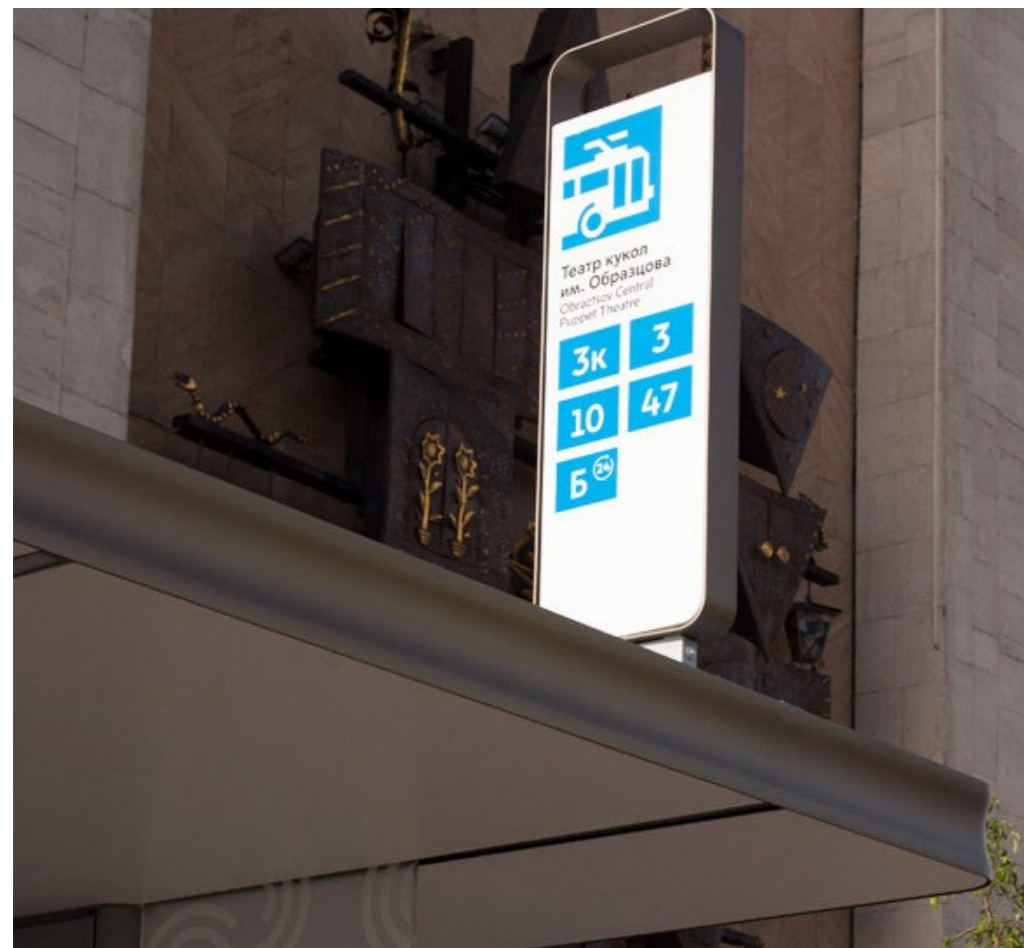
The Moscow Department of Transport and Road Infrastructure Development commissioned Billings Jackson to design a bus shelter and real-time information system for the streets of Moscow.

Using a distinctive and refined material palette, the bus-stop looked to create high quality design in Moscow's built-environment which appraised and revitalised Moscow's rich context.

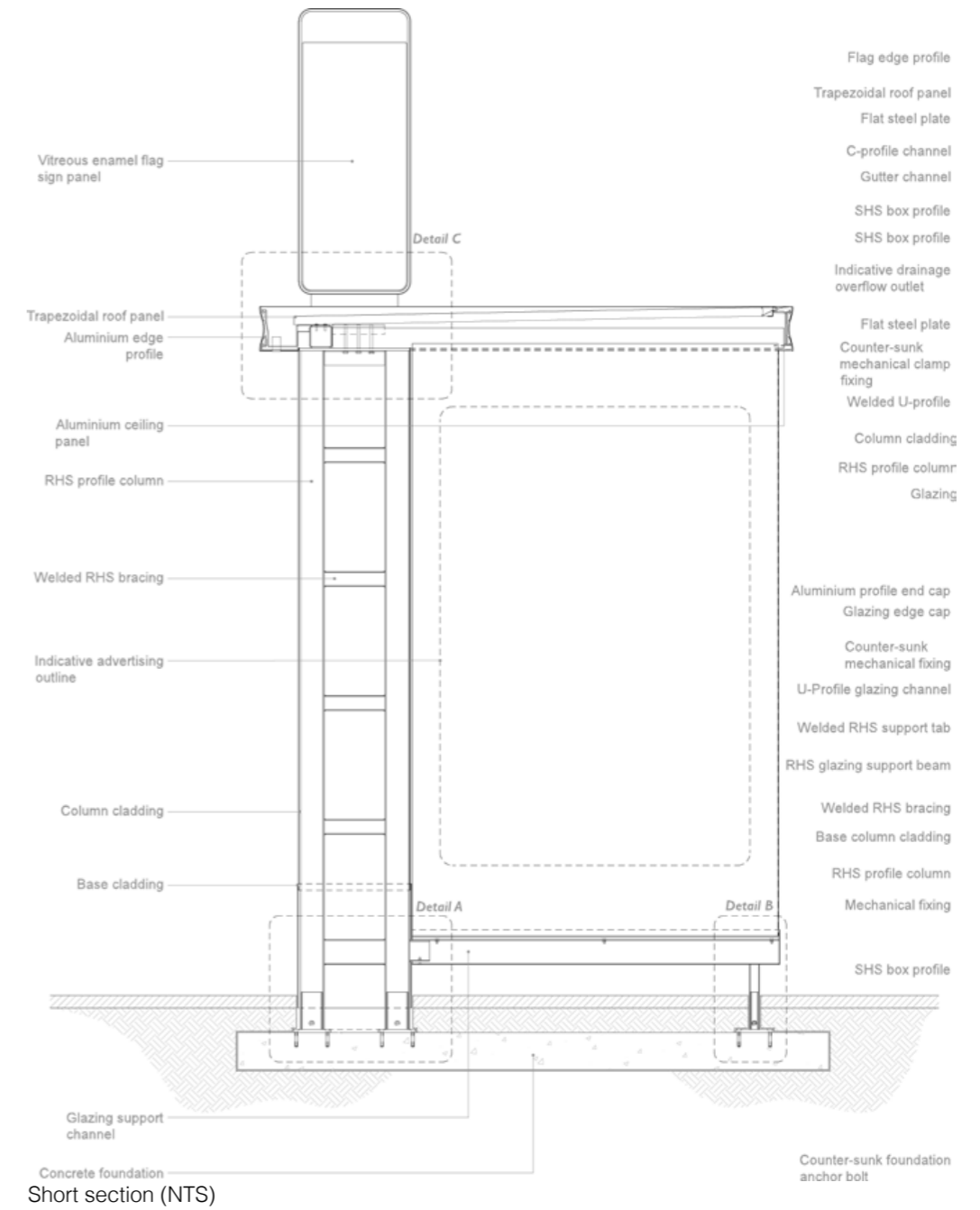
Complementing the way-finding totems, this project was part of a larger framework agreement with the Department of Transport in producing various products both within the Metro and on the streets of Moscow, including Tram stations, Bike Hire hubs, River boat piers, and urban furniture such as benches.



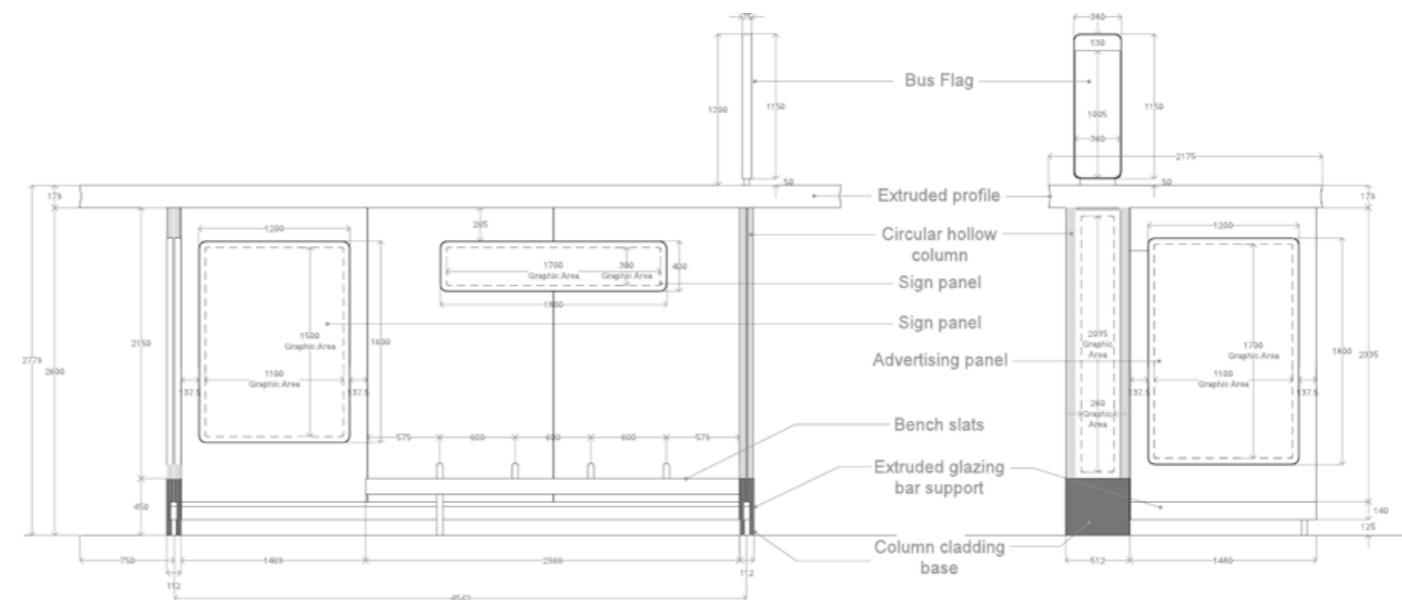
Photograph of the first-installed working prototype (Credits: BJD)



Photograph of the first-installed working prototype (Credits: BJD)



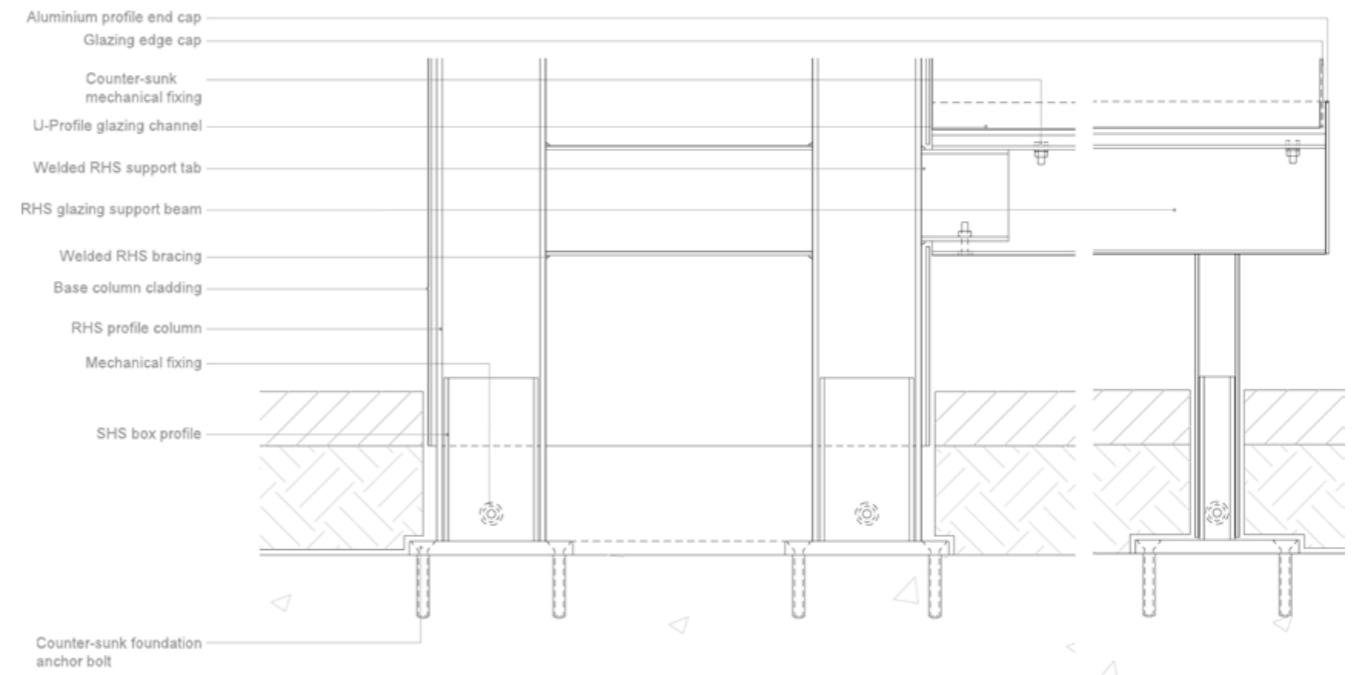
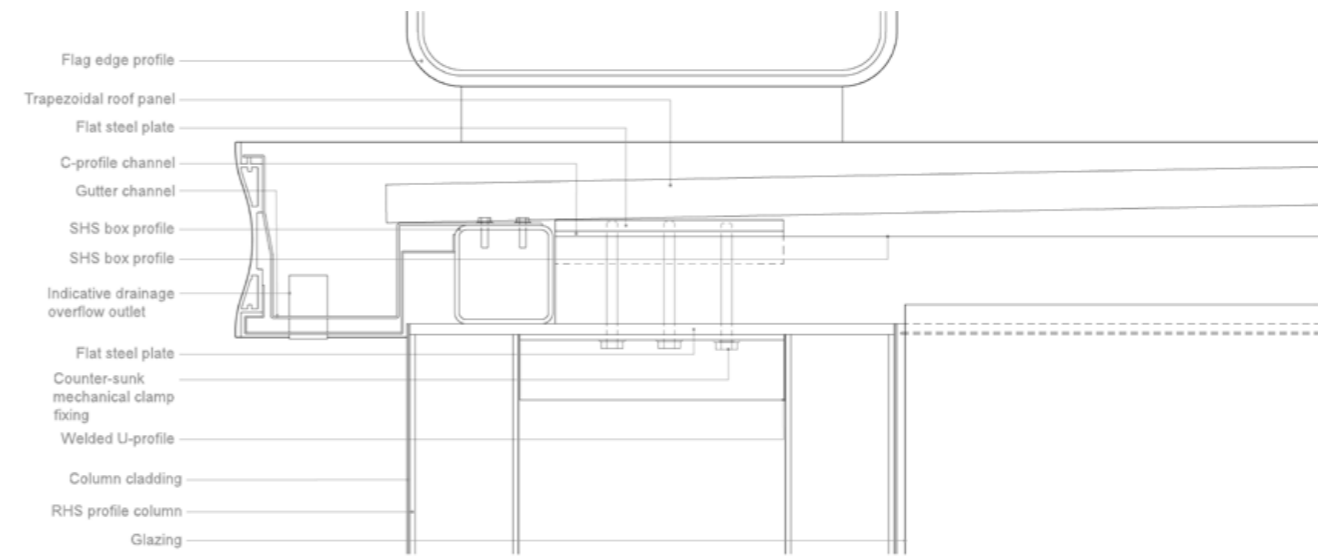
Short section (NTS)



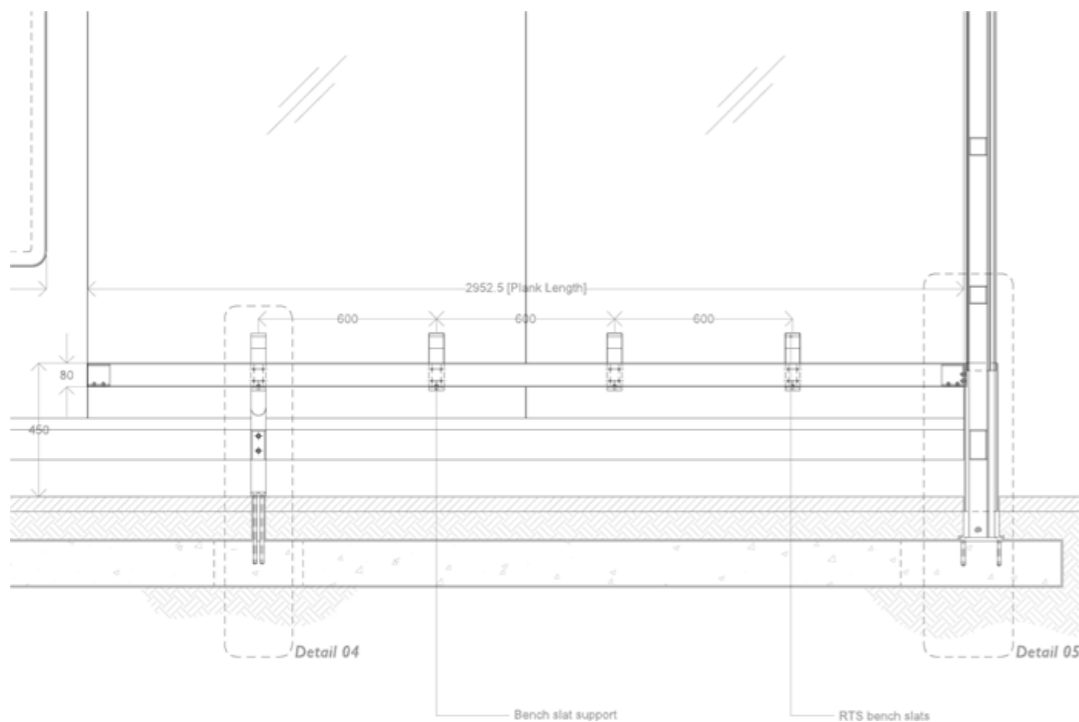
Front and side elevation (NTS)



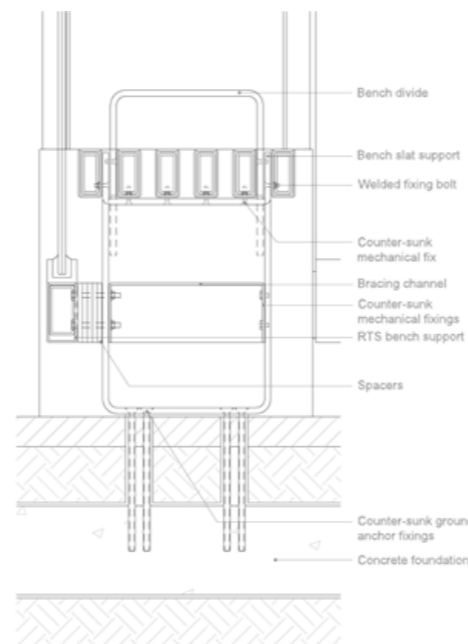
Photograph of the first-installed working prototype (Credits: BJD)



Detailed sections of ceiling and floor elements (NTS)



Detailed sections of the bench element (NTS, varying scales)



Throughout the design process we built and examined 1:1 prototypes of specific elements.

One such element was a bronze curved aluminum profile which made the iconic fascia for the bus-stop roof.

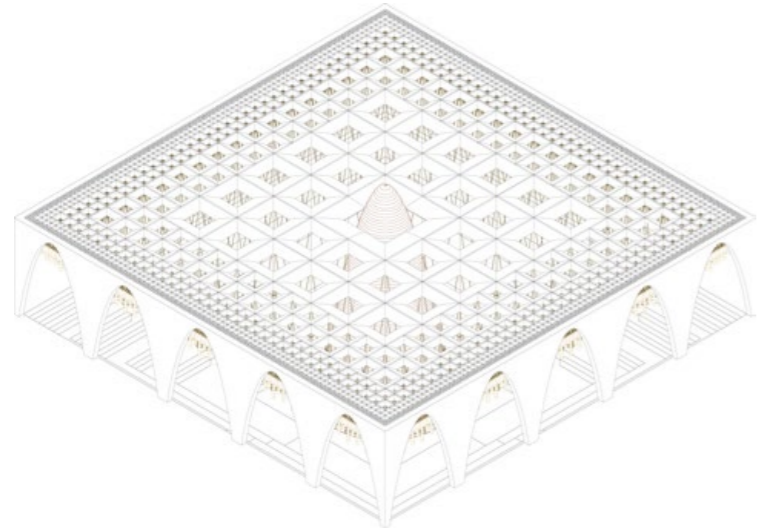


Prototype of an aluminum section during design development

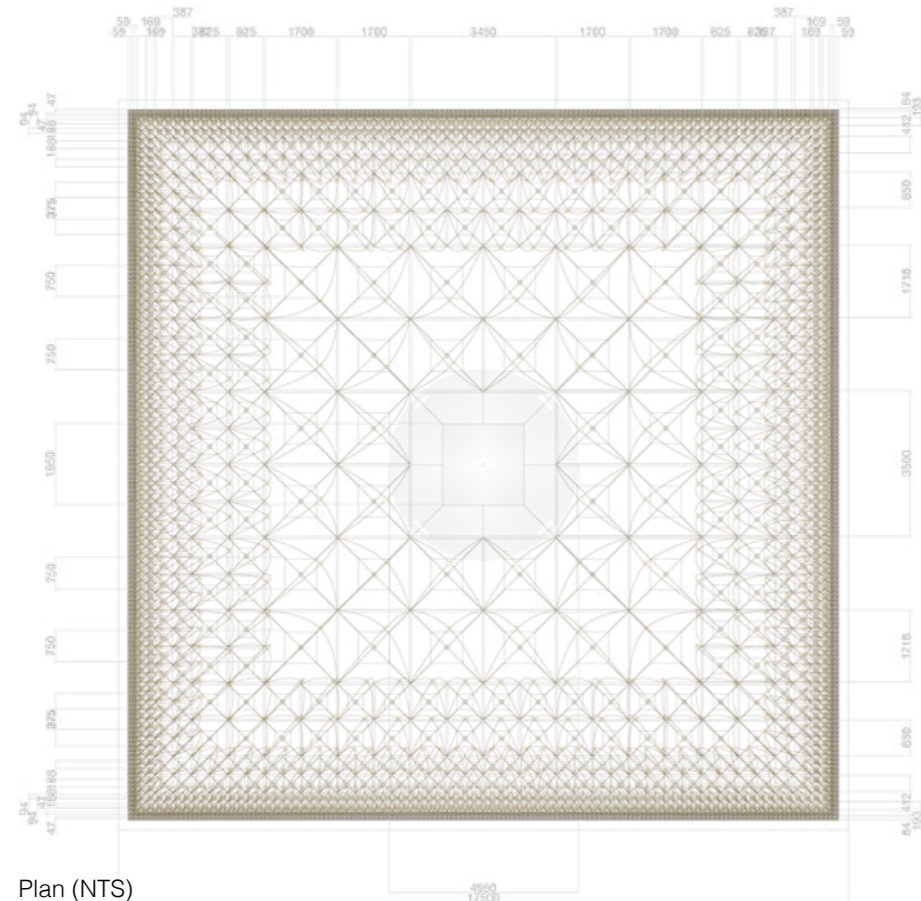
## Inverted Dome, unsubmitted competition-entry

Compelled with ever-changing perspectives and practices around death, mourning, and memorialisation, this project explores a cemetery built upon a collective notion of transience and loss.

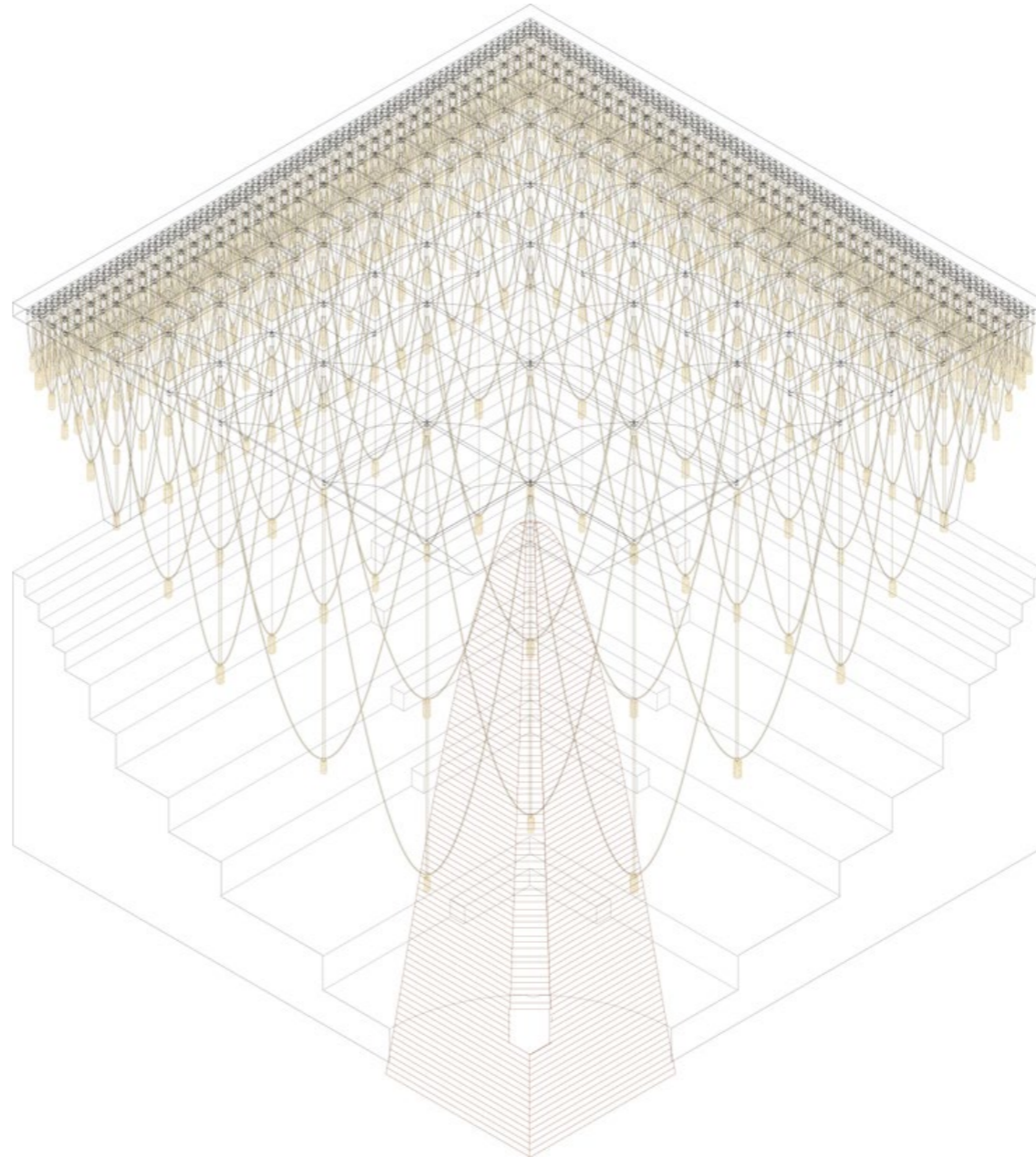
By playfully re-imagining a crematorium, the design includes a kiln, assembly, and memorialisation area, and creates a shared ceremonial space for these elements.



Overview isometric (NTS)



Plan (NTS)

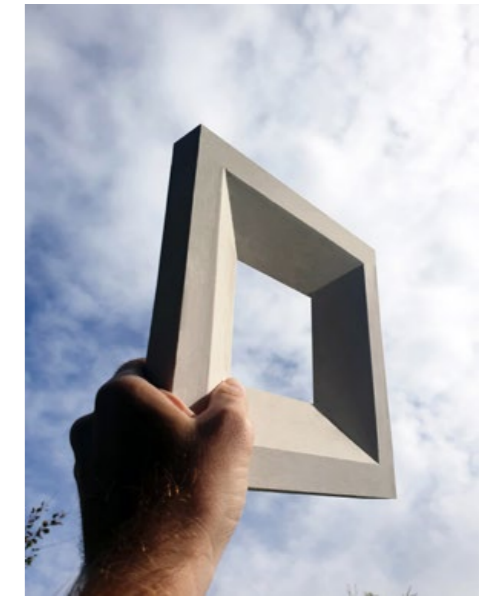


Box-cut section isometric (NTS)

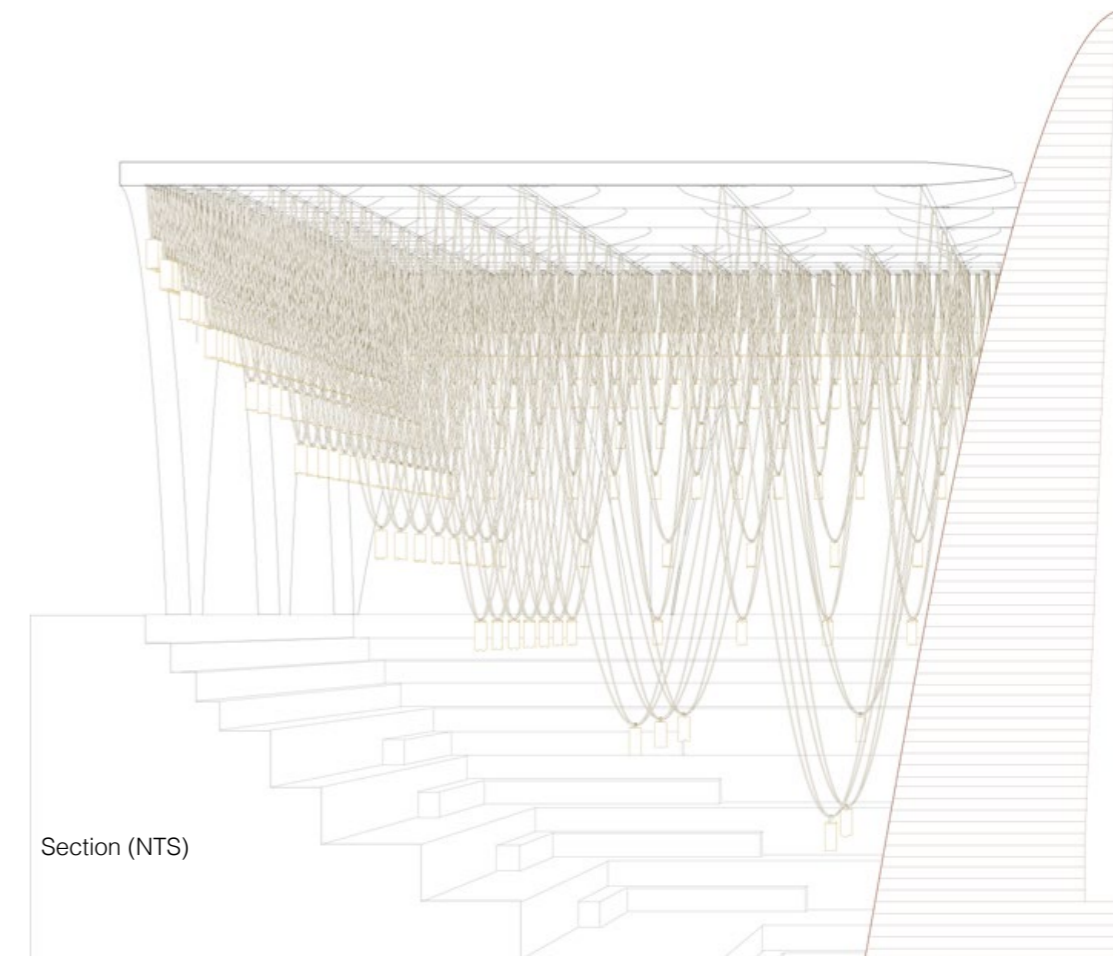
The roof provides a frame to the sky; an seemingly infinite boundless space in which the ashes of loved ones will be released.

Hung from the roof, an inverted dome was created through hanging ropes. These ropes then provide a place to hang vessels which slowly release ash into the atmosphere.

At the center, a large kiln for cremation is made of stacked slate, providing a monolithic central point to the space.



1:4 Jesmonite prototype of a roofing element



Section (NTS)



## Artificial Sky, 1st Year Project from MA Architecture

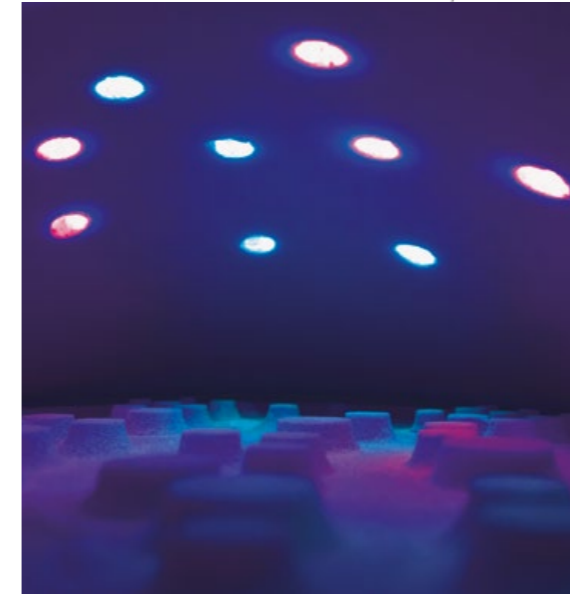
The project Artificial Sky is a technical exploration into artificial day-cycles within an interior environment.

The primary driver to the project was the design of a 8500m2 dome which simulates the sky with lighting panels and spotlights. Due to the sheer size of the lighted dome, the technical studies explored the design and prototype of a unique architectural scale TIR-lens spotlight which did not require cooling or vast energy supplies.

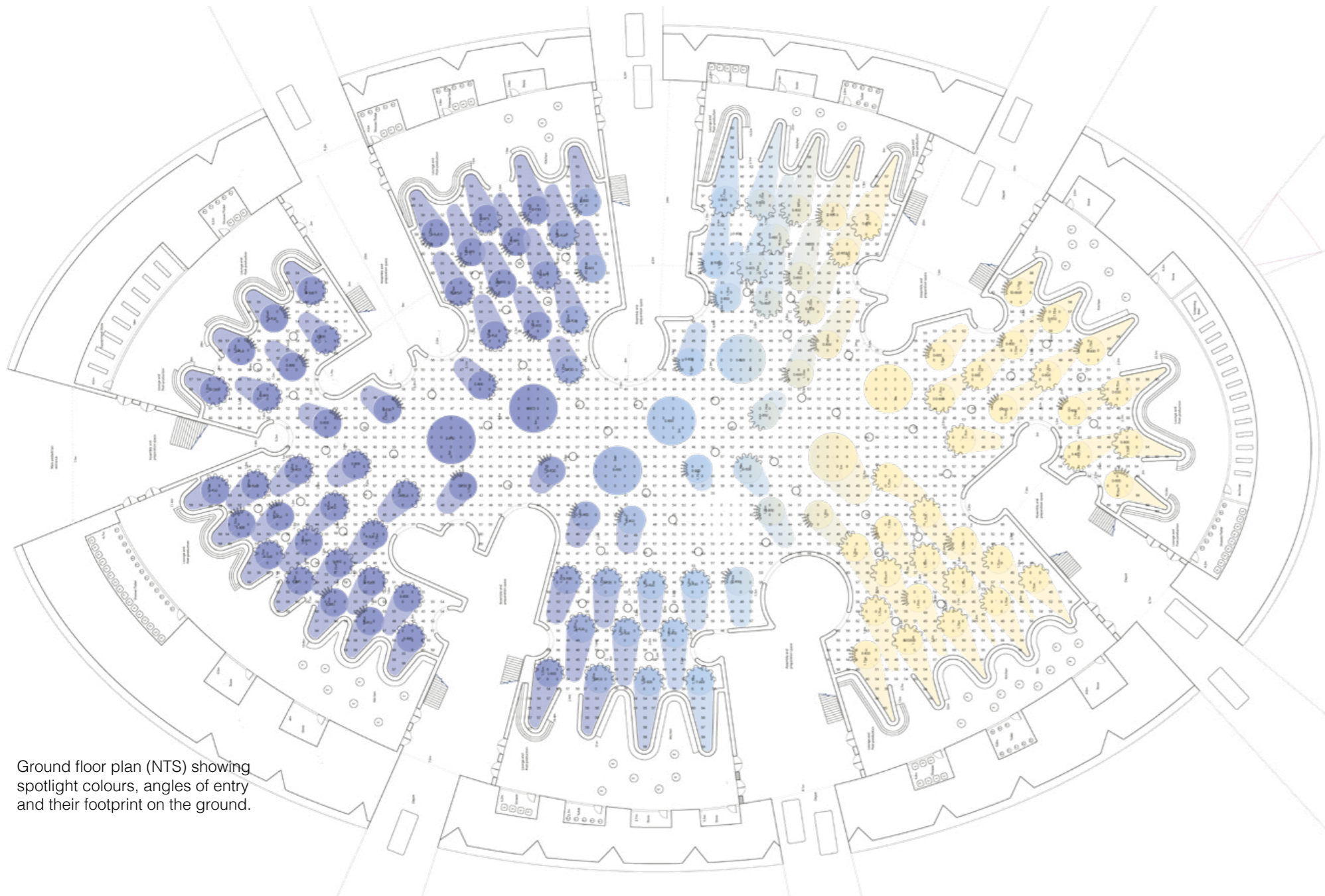
Under the artificial sky, the building accommodates a community of up to 750 people who live virtual existences, where their way of living and working has subsequently lost relevance to local time-zones, collapsing time.



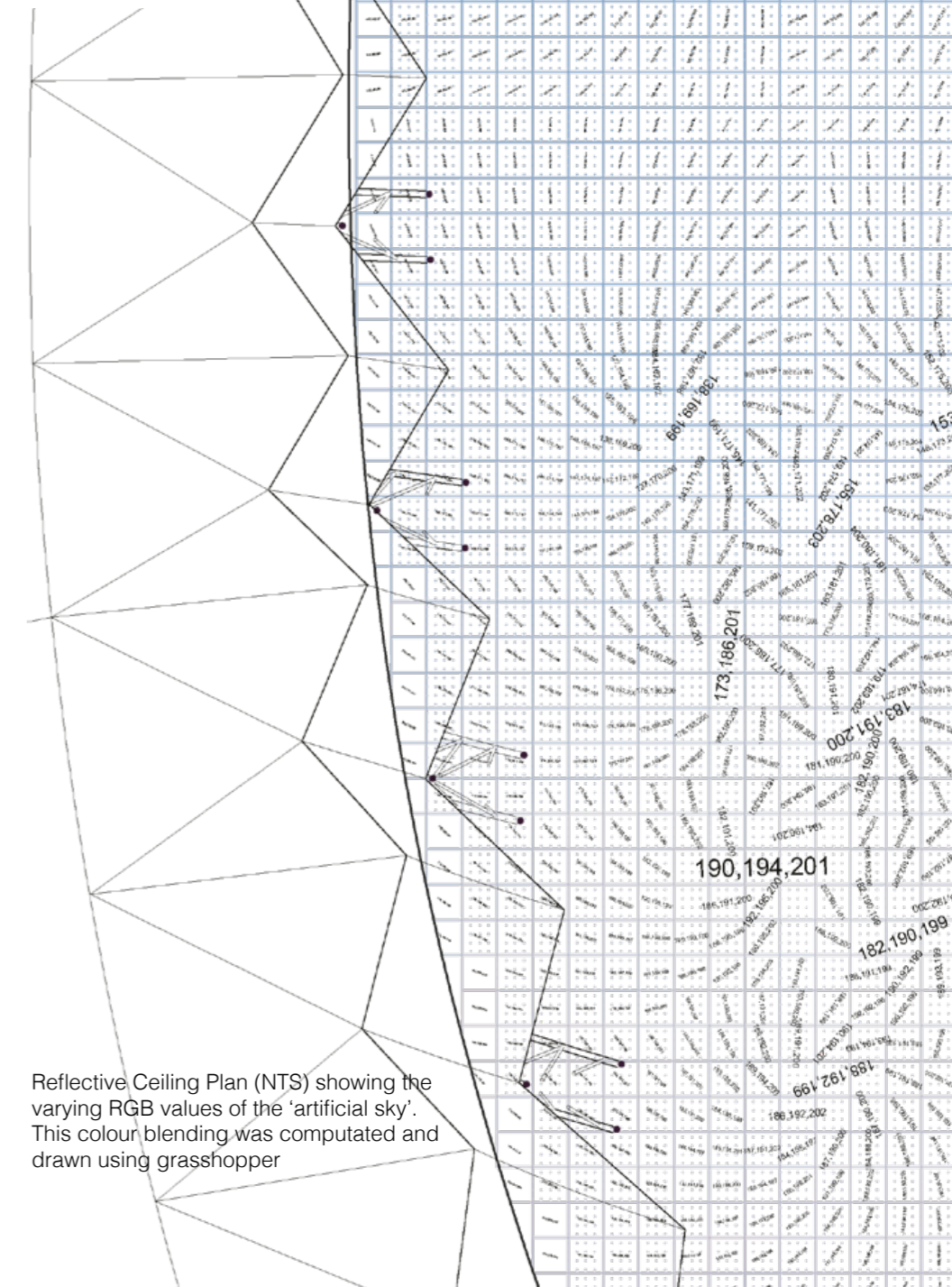
Rendering of the ground floor



Concept model of the upper floor plinth made of CNC-milled polyurethane dense foam.



Ground floor plan (NTS) showing spotlight colours, angles of entry and their footprint on the ground.



Reflective Ceiling Plan (NTS) showing the varying RGB values of the 'artificial sky'. This colour blending was computed and drawn using grasshopper