

**Architecture  
Portfolio of  
Selected Works  
Academic +  
Professional  
2020  
Asher Caplan**

# *Infinite Places*

I seek to create places that are full of flexibility, adaptability and resilience. Luxury comes from spaces and from the ability to take over and situate as each individual requires. Infinite places are a constant building project, not a built work, they are regenerative. The architecture I work to create carries on its life through the ground that it

occupies, the raw material used to create it, and the people that inhabit the space. The infinite is simply that it is not finite, not fixed, but my work is a constant discovery and open framework for living, working and playing.

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# PERFORMANCE DESIGN + BUILDING SCIENCE

## Waring School

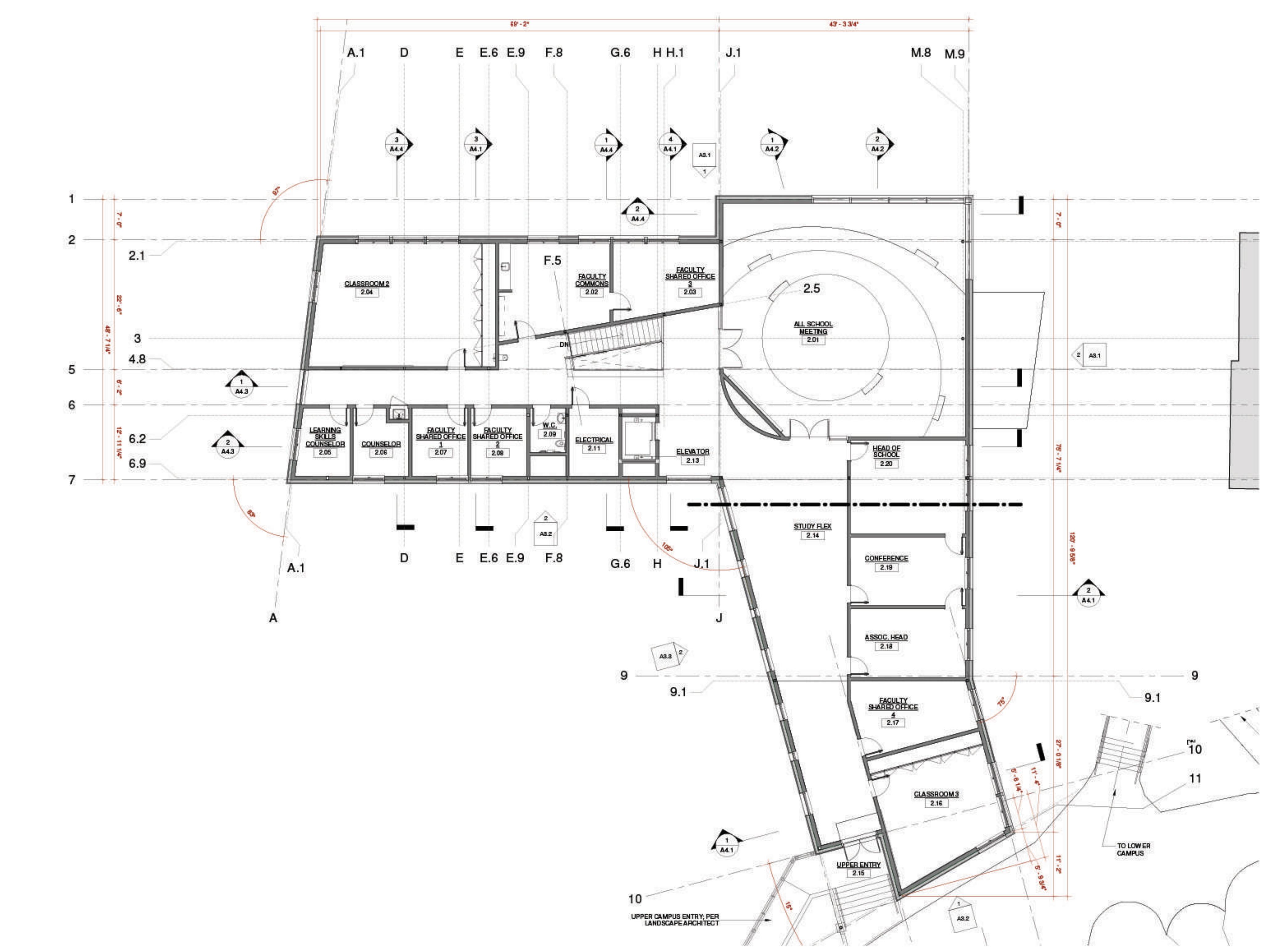
Office: OPAL

Location: Waring, MA, USA

Program: Educational

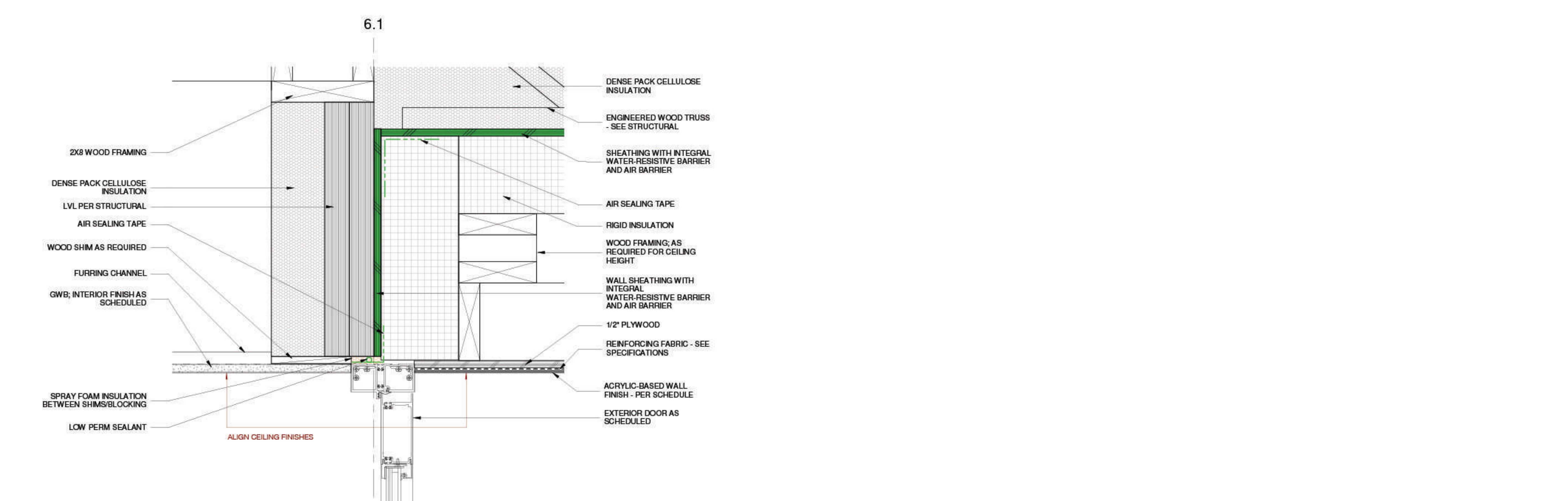
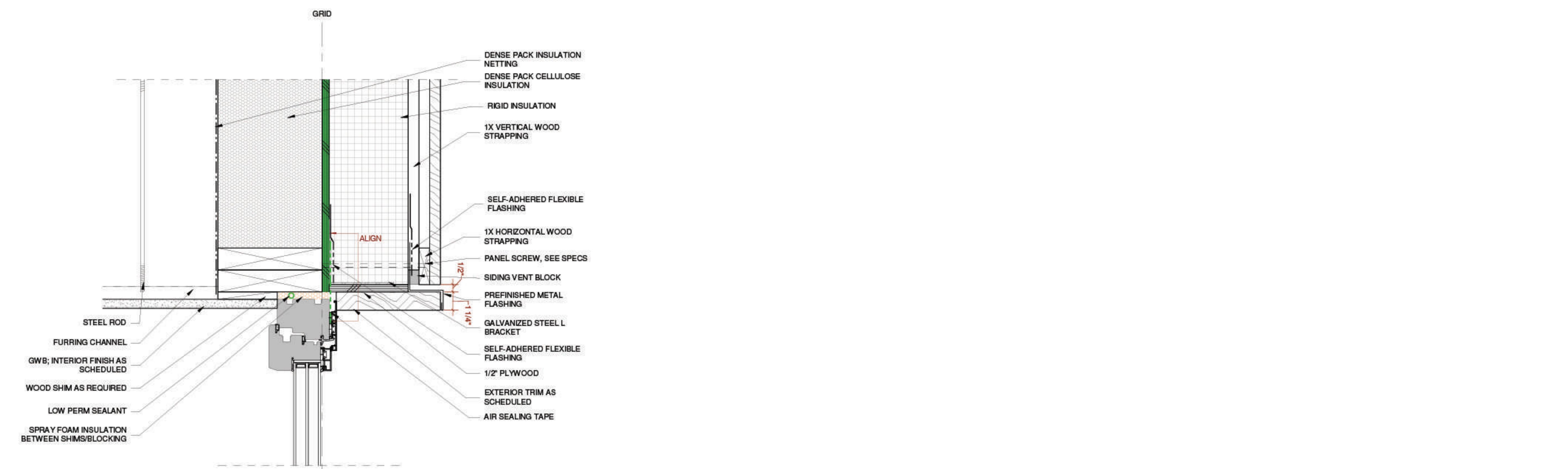
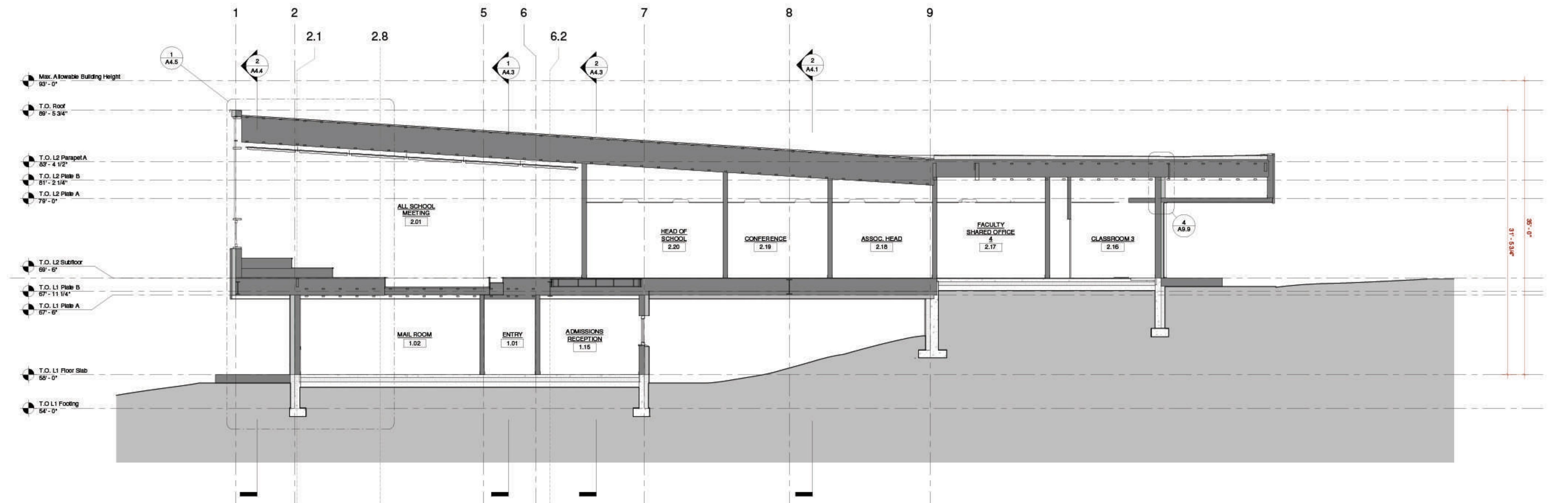
Phase: Construction documentation delivery

Role: Came in to work with existing design and deliver a CD set. Worked with pricing, manufacturing, engineering, clients to meet deadline and budget.



Top: Rendering of project

Bottom: Construction second level plan



Top: Section through bridge  
Bottom: Passivehaus detailing

## Chewonki

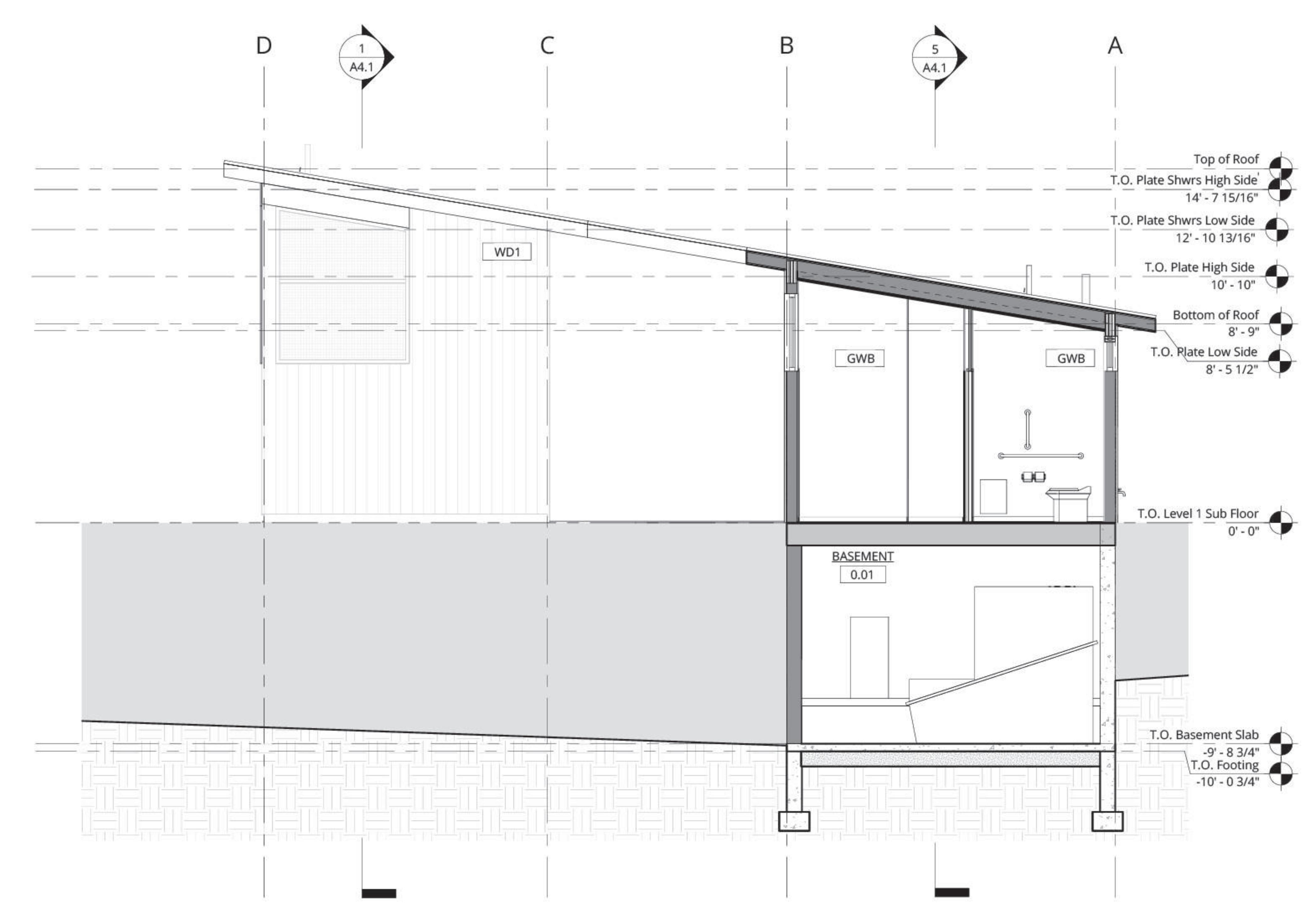
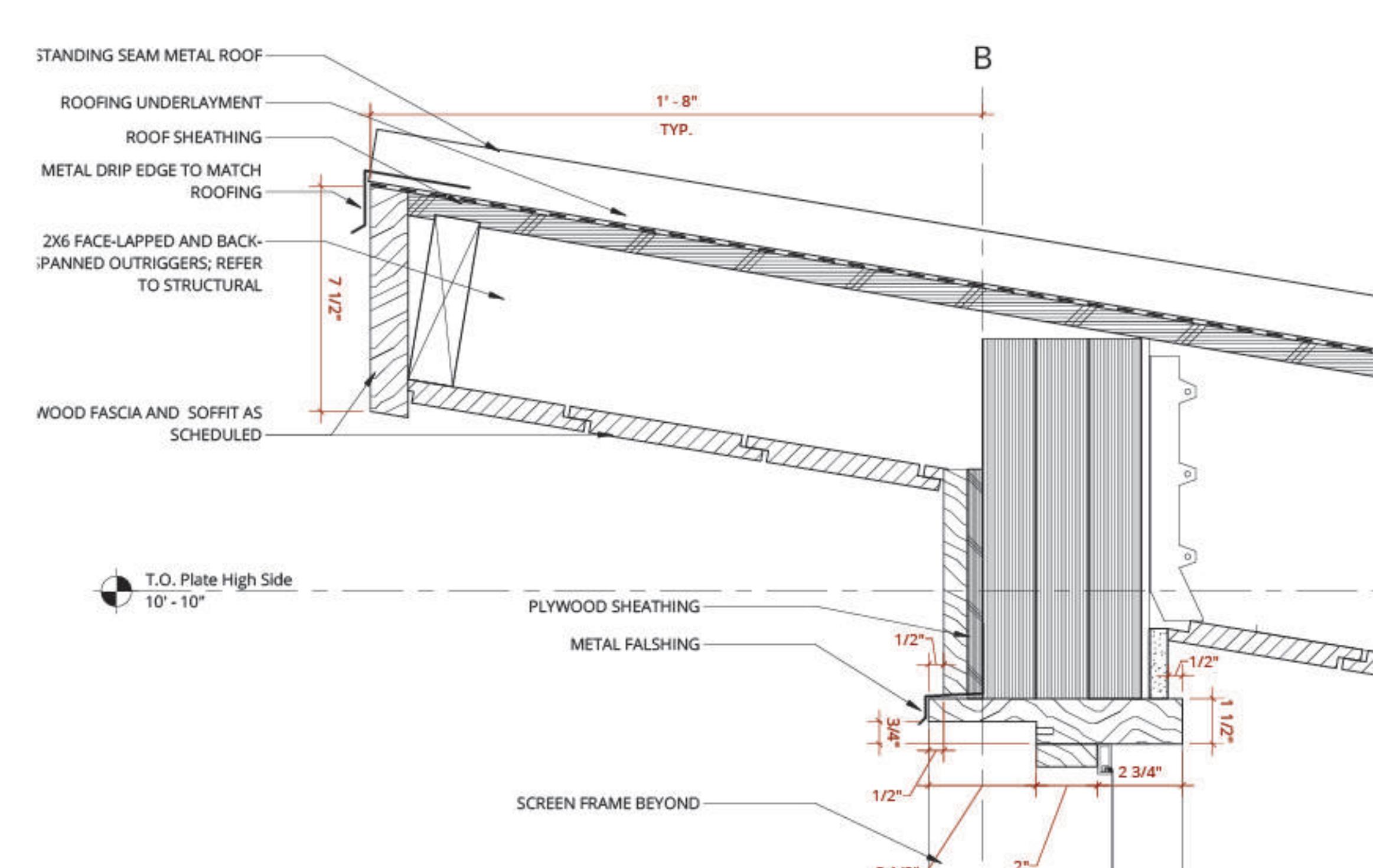
Office: OPAL

Location: Wiscasset, ME, USA

Program: Institutional

Phase: Construction documentation delivery

Role: Came in to work with existing design and deliver a CD set. Worked with pricing, manufacturing, engineering, clients to meet deadline and budget.



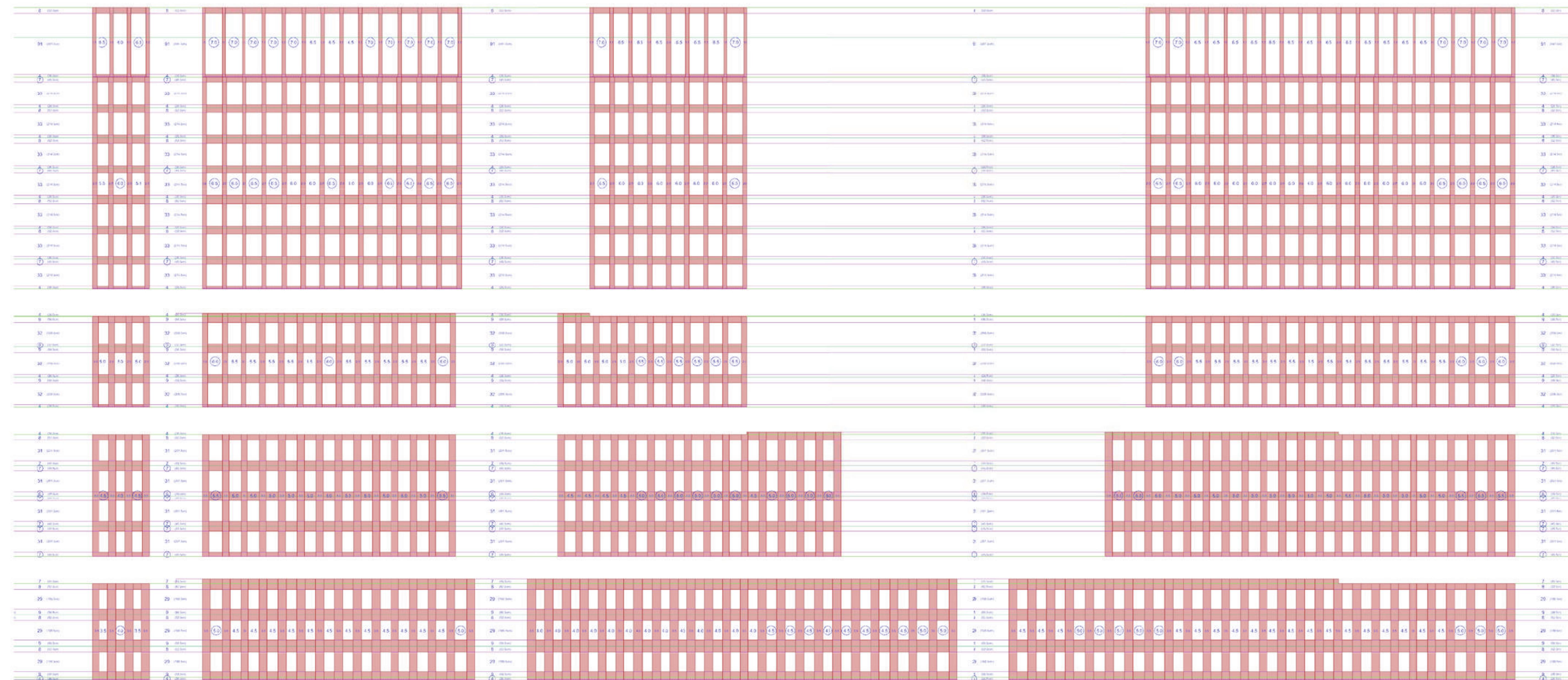
Top left: Typical rake detail  
Top right: Construction progress  
Bottom: Construction section showing composting toilet

# COMPUTATIONAL DESIGN + BIM

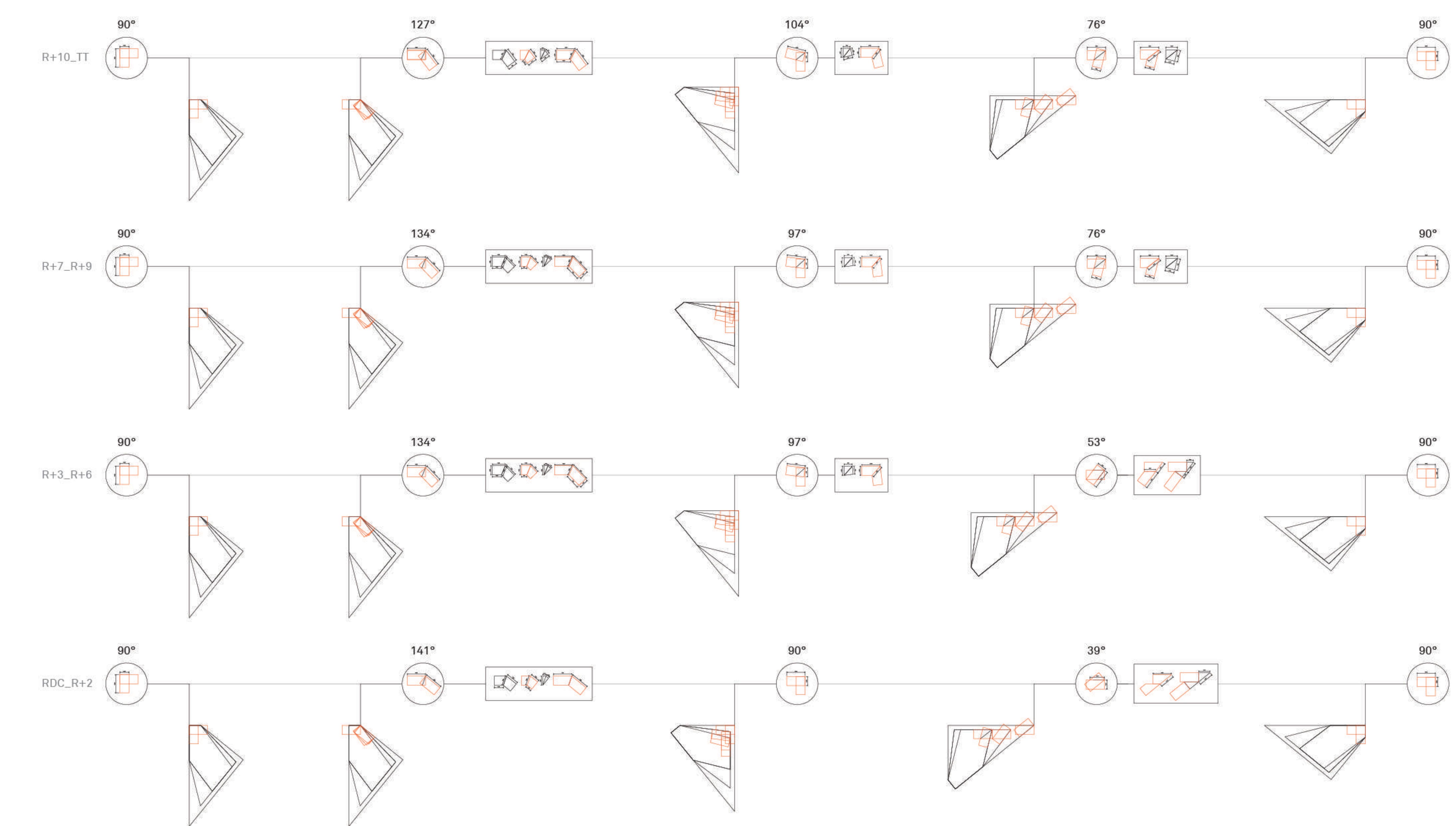
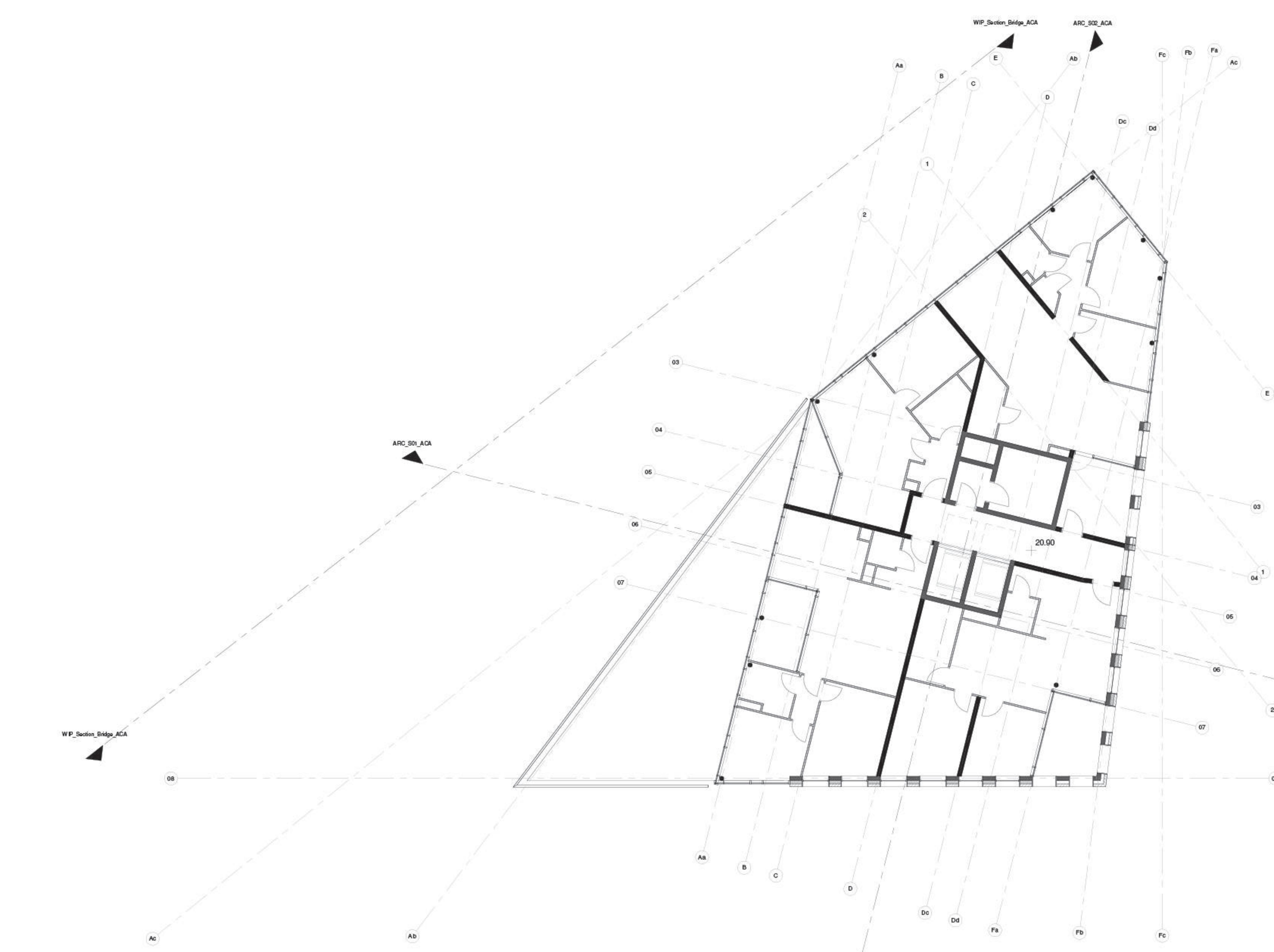
**Torre Strasbourg**  
Office: KCAP Architects & Planners  
Location: Strasbourg, France  
Program: Residential  
Phase: Delivery of BIM model post competition win  
Role: Work to translate a competition win to a BIM model for construction. Utilizing Grasshopper to translate 2D drawings to BIM model through F.lux and Dynamo. The brick as a module, the tower is an icon, how to use tools to refine an architectural idea.



Top: Rendering of competition proposal  
Bottom: Axonometric of BIM model after



Top: Unfolded elevation detailing brickwork  
Bottom: Window detailing



Top: Typical floor plan BIM  
Bottom: Corner detailing of brickwork

# ARCHITECTURAL + URBAN DESIGN

## Zentrum Neumatt

Office: KCAP Architects & Planners

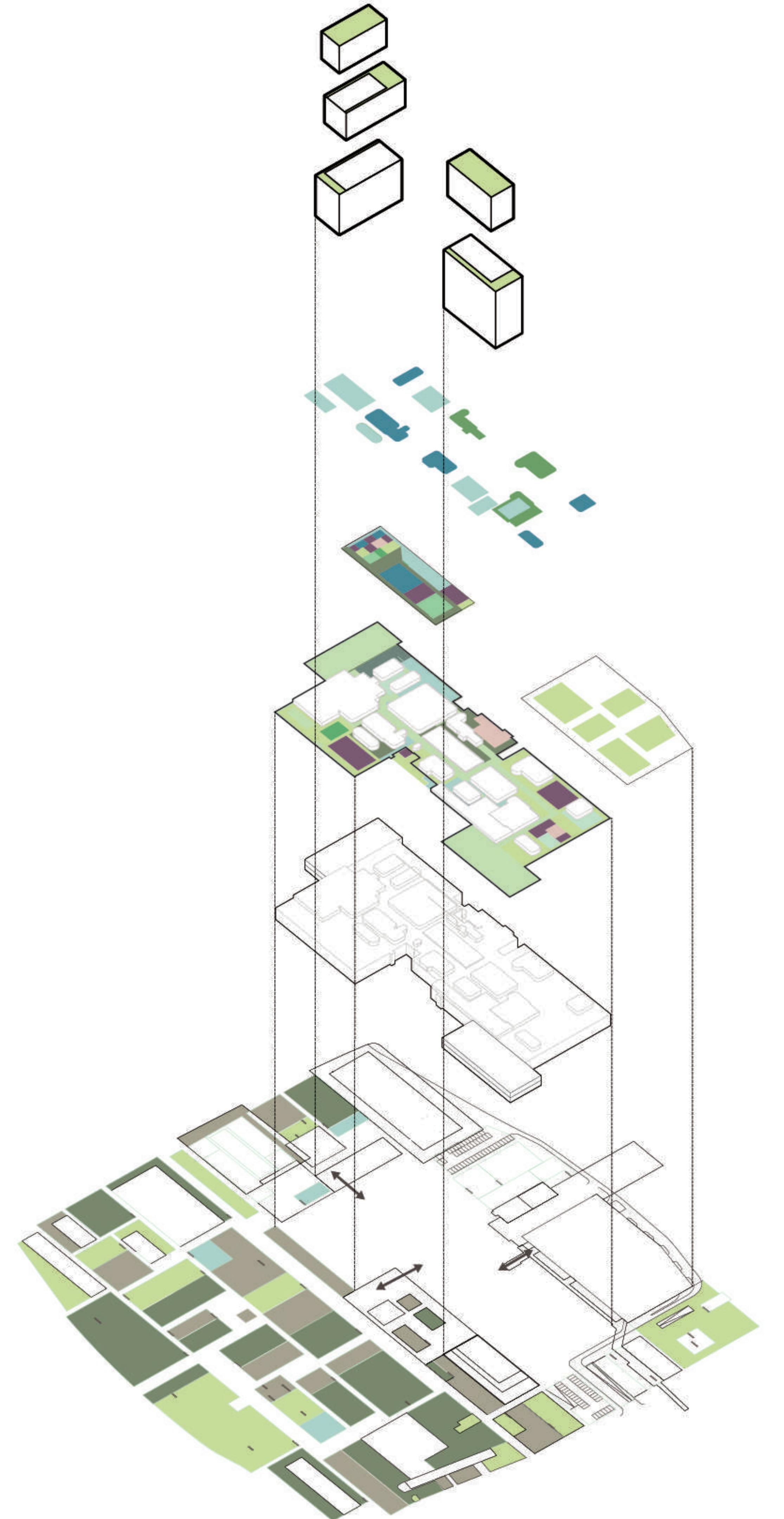
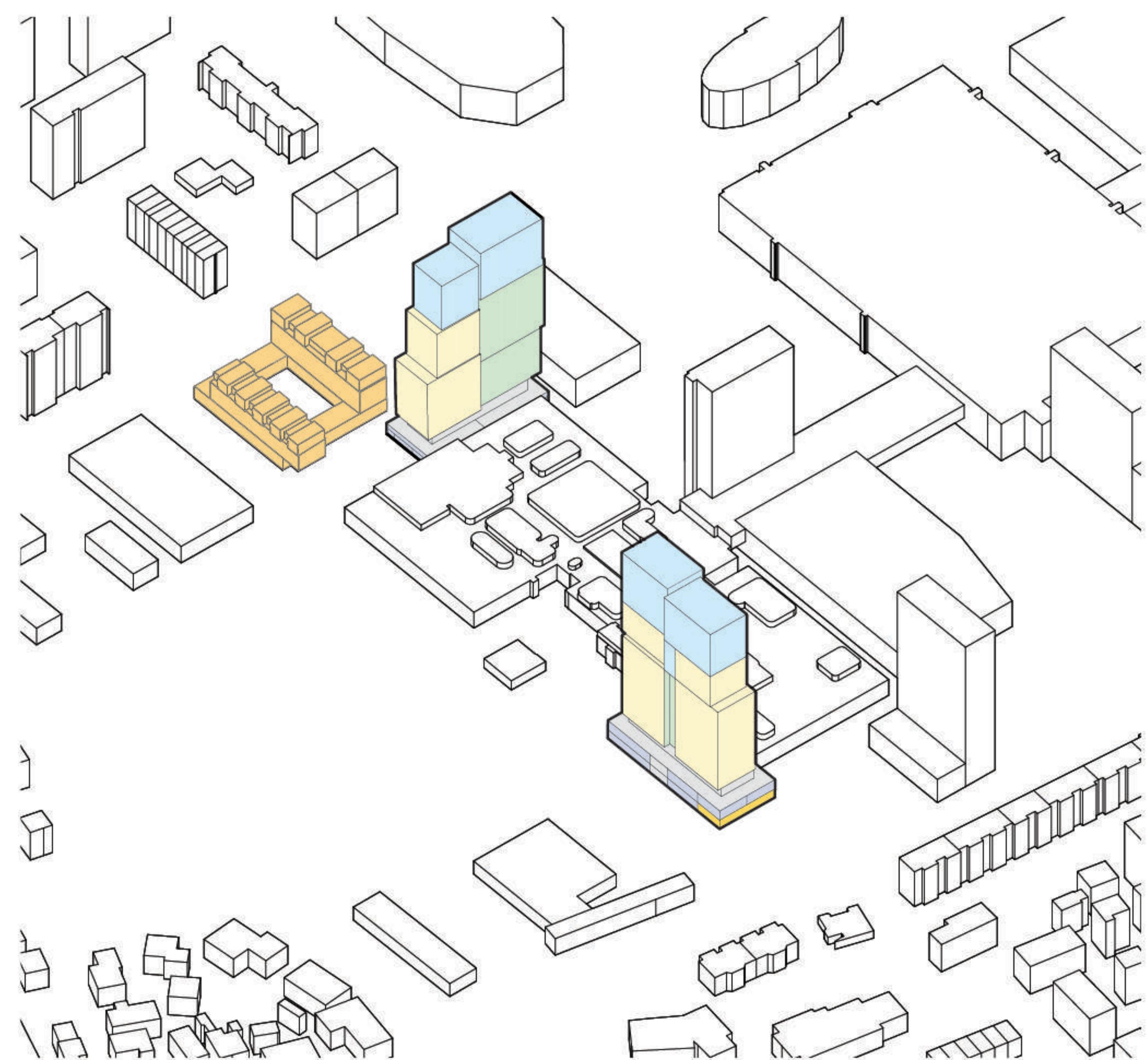
Location: Spreitenbach, CH

Program: Residential + Mixed use

Phase: Competition

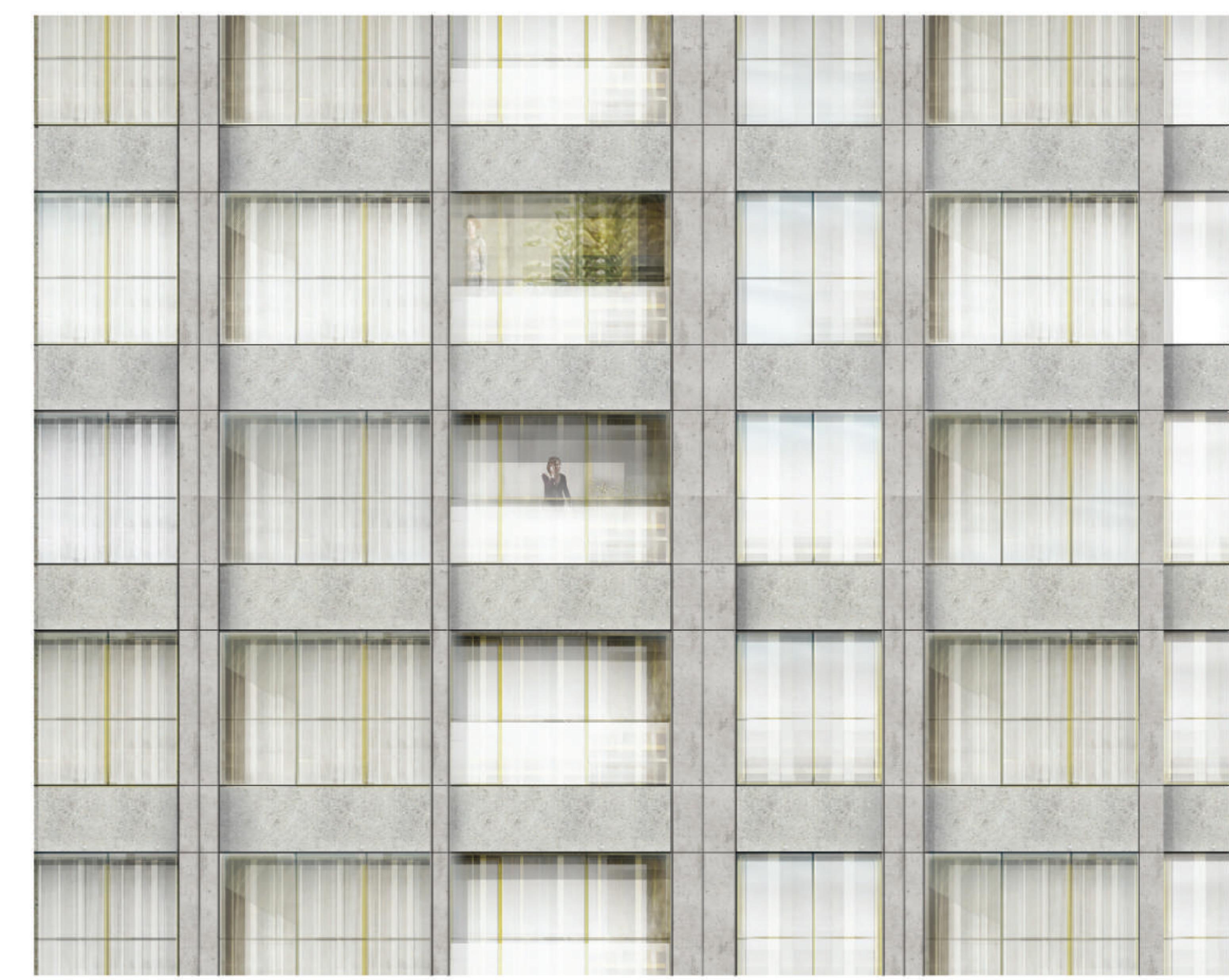
Role: How to design the shopping centre of the future, and integrate it with an existing neighborhood destination.

Two towers for vertical living and leisure integrated.



Top left: Programmatic diagram  
Top right: Landscape diagram

Bottom: Rendering of the proposal



# MASTERPLANNING + HEALTHCARE

## Kantonspital Luzern

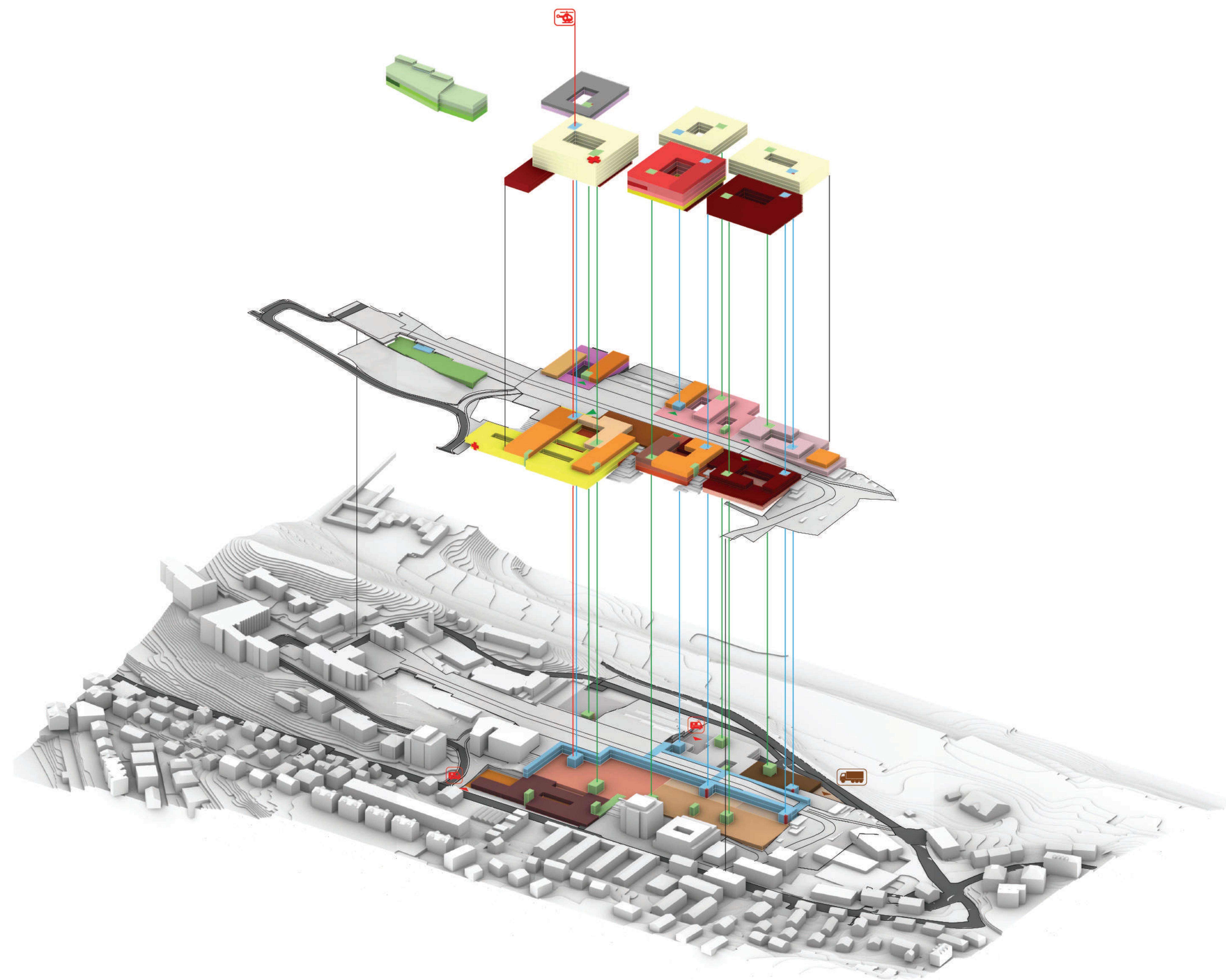
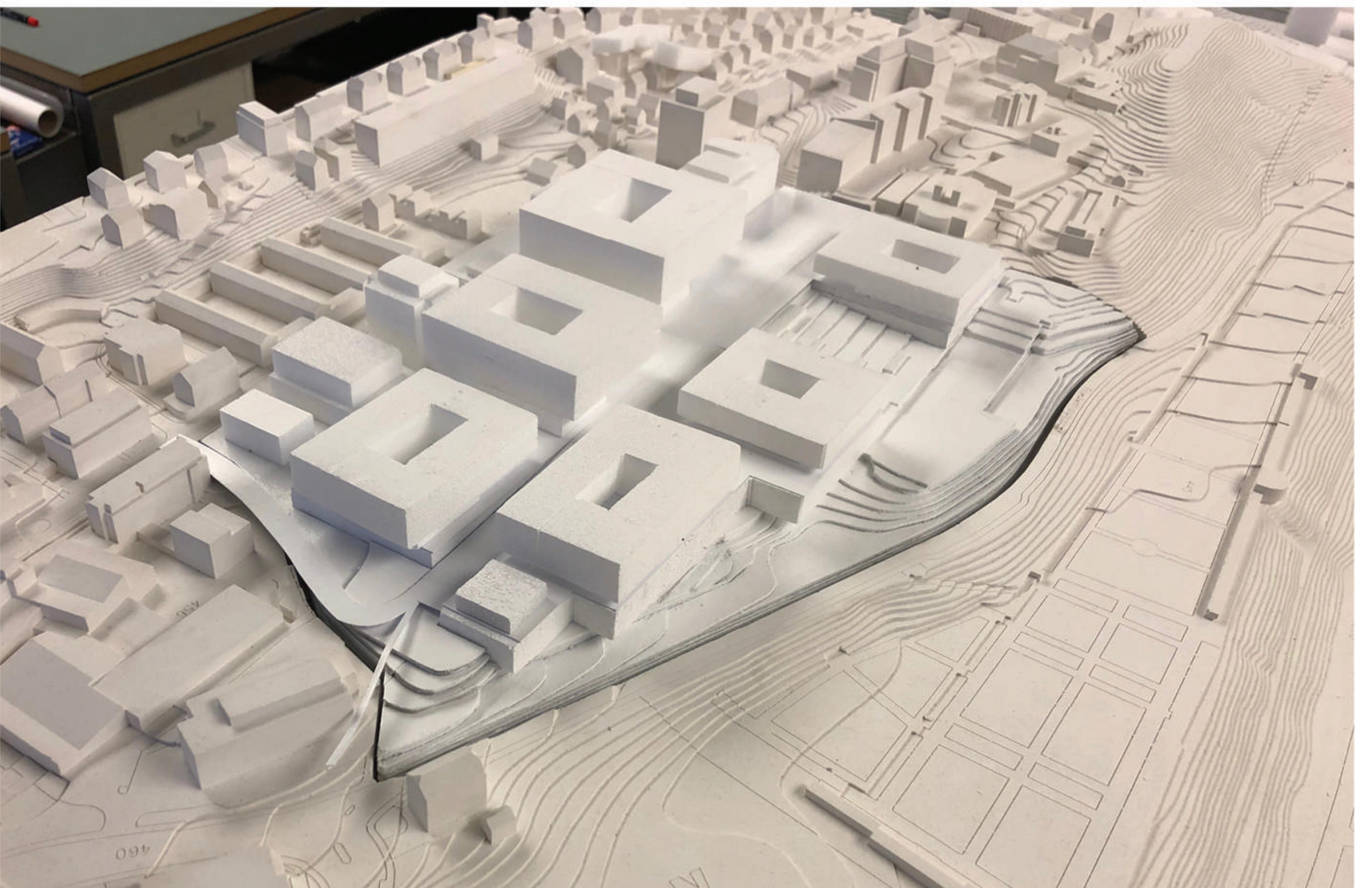
Office: KCAP Architects & Planners

Location: Lucern, CH

Program: Hospital Masterplan

Phase: Study

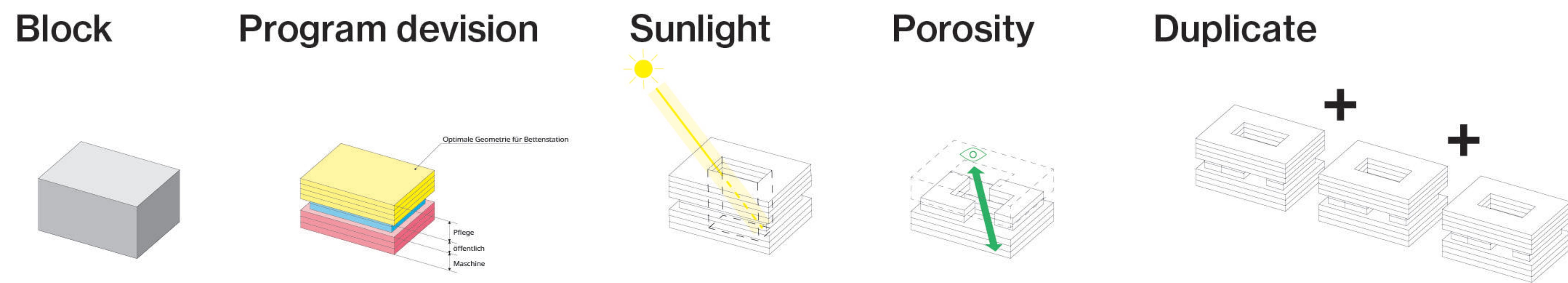
Role: An existing hospital campus developed in three workshops. To phase buildings over time and to adjust the infrastructure with the changing health landscape. Flexibility and adaptability, ad infinitum.



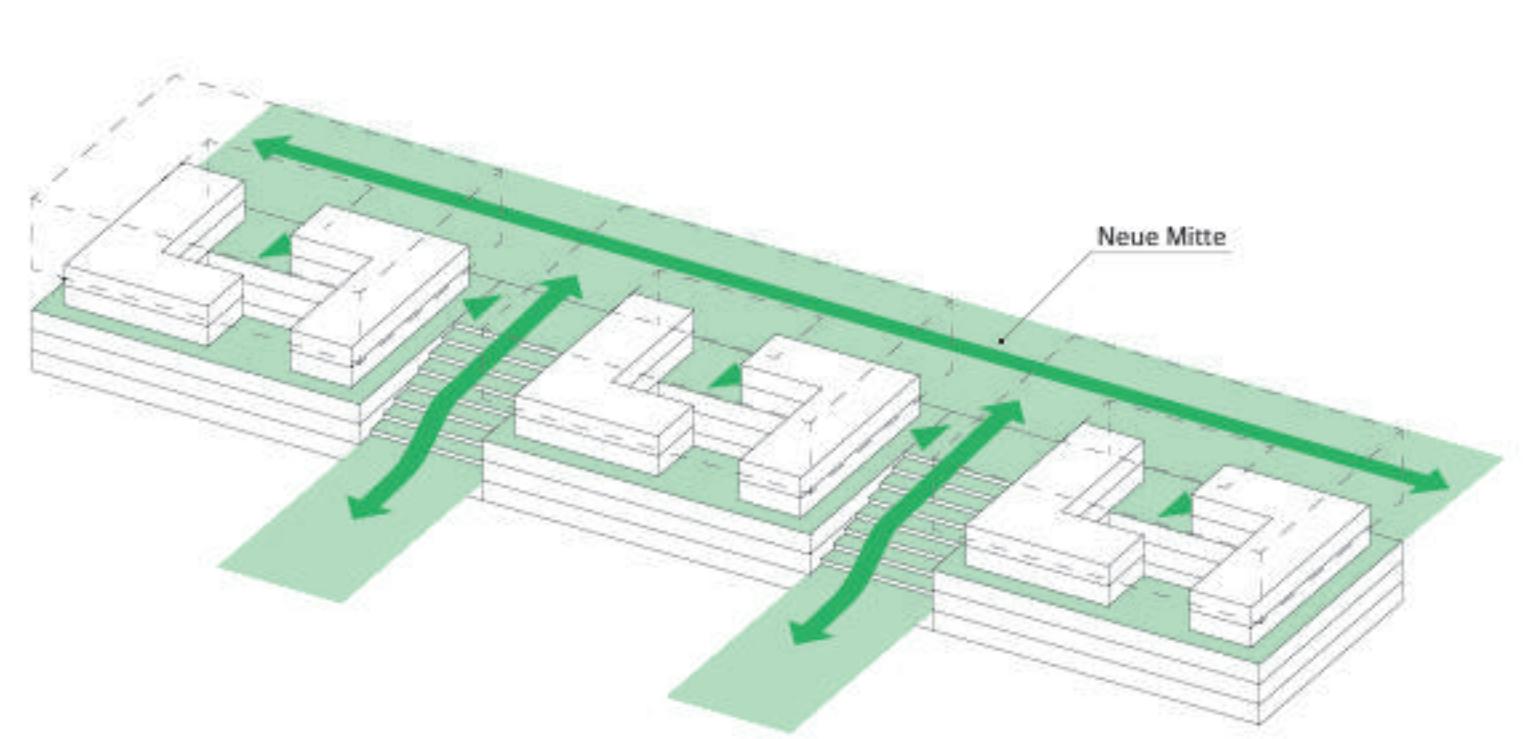
Top: Model of project

Middle: Exploded axonometric of project

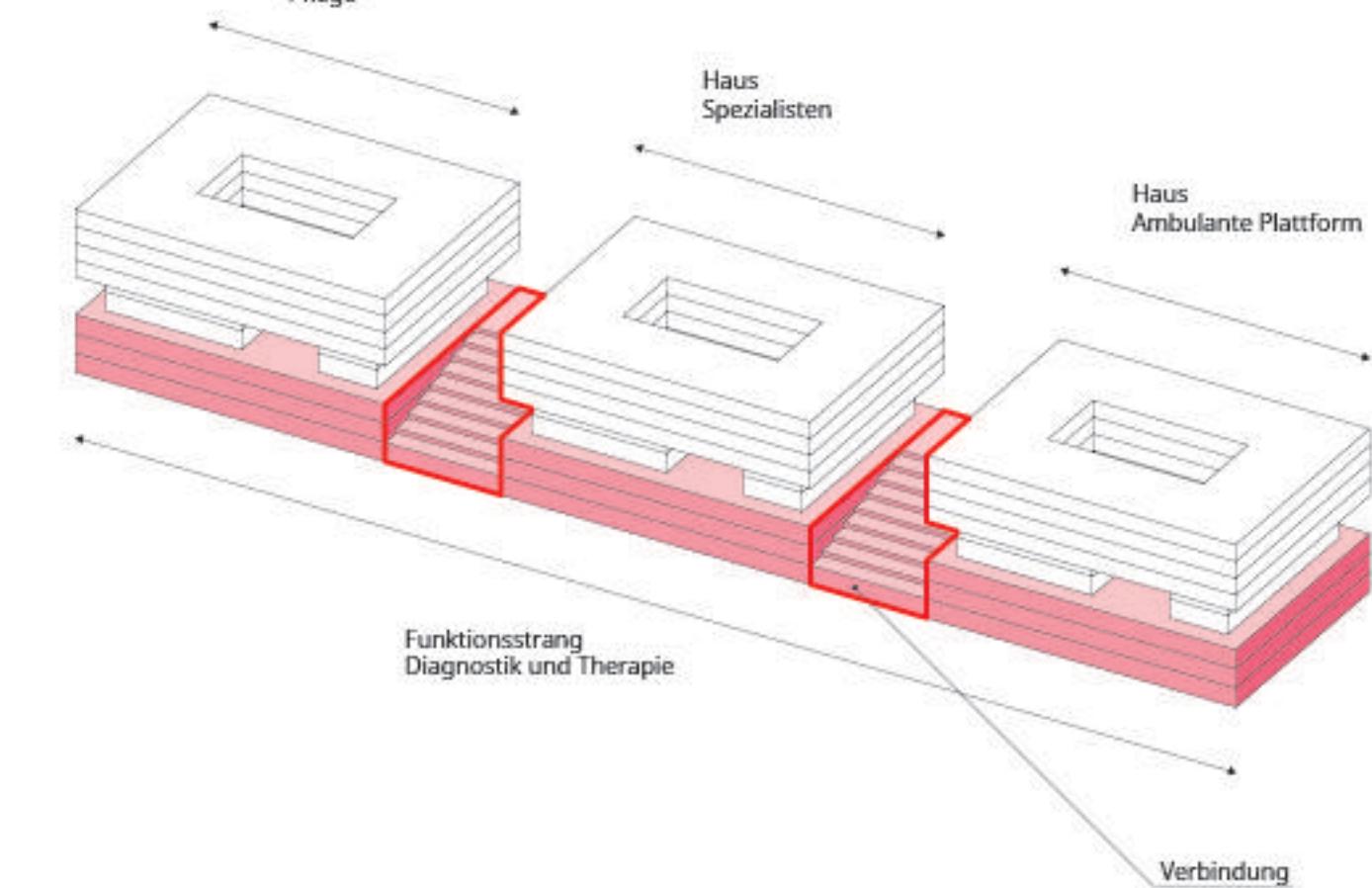
# MATERIALITY + TECTONICS



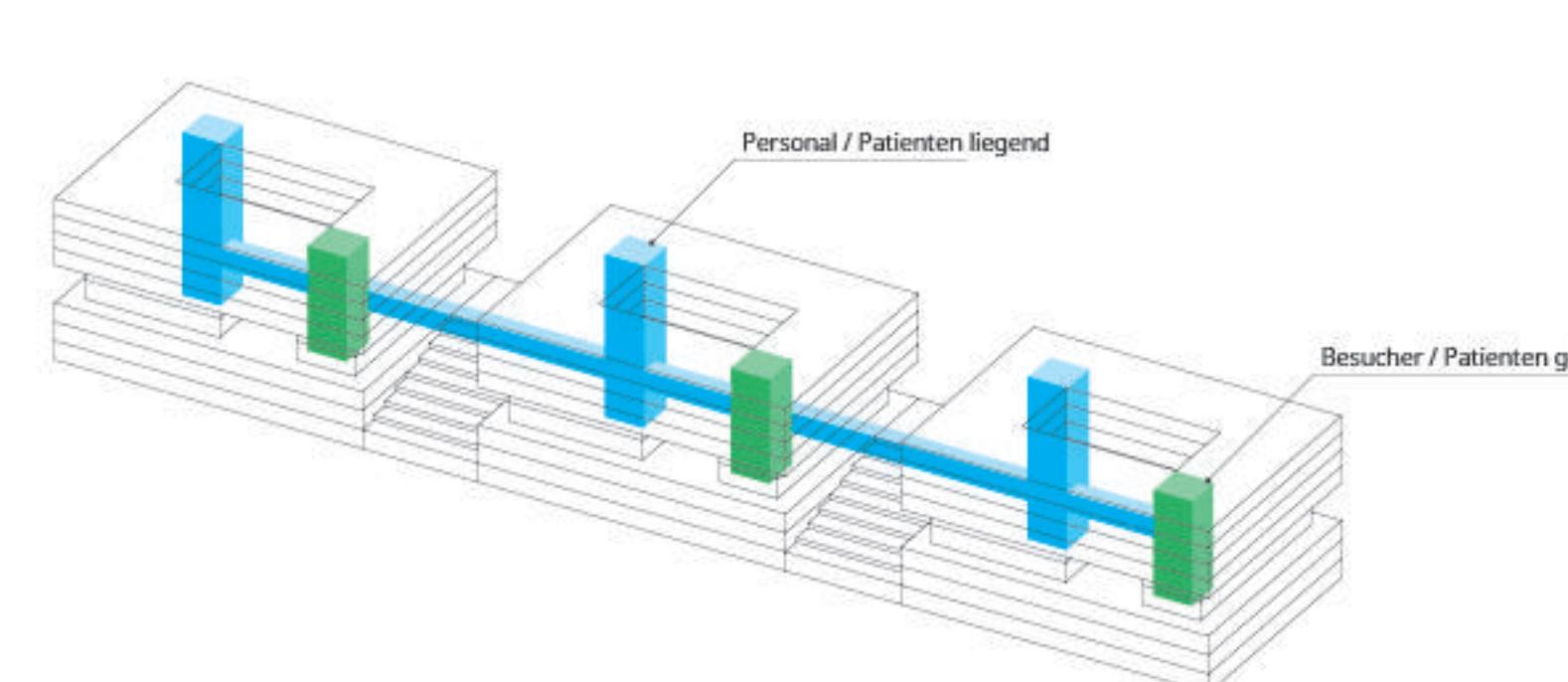
Green corridors



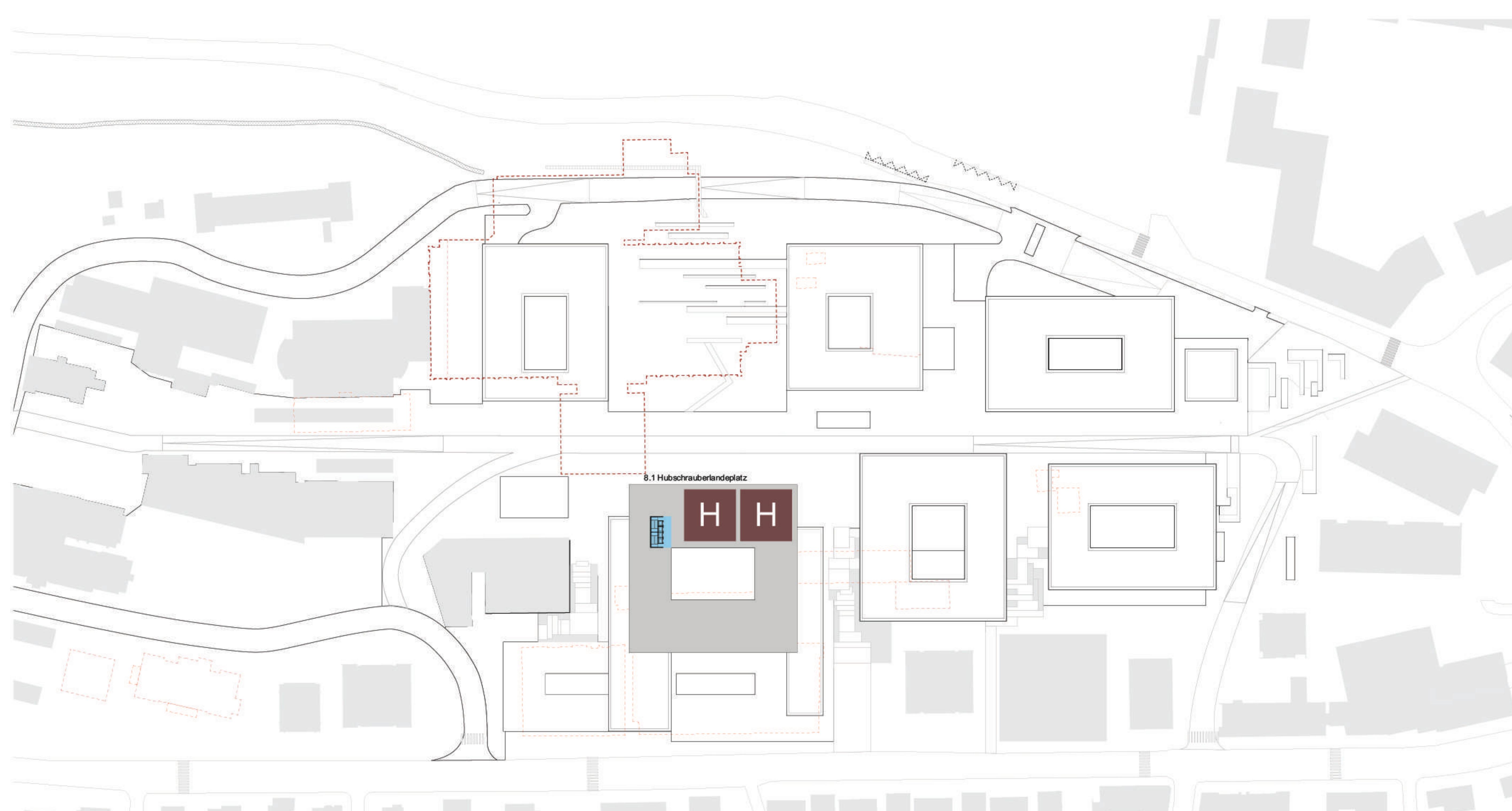
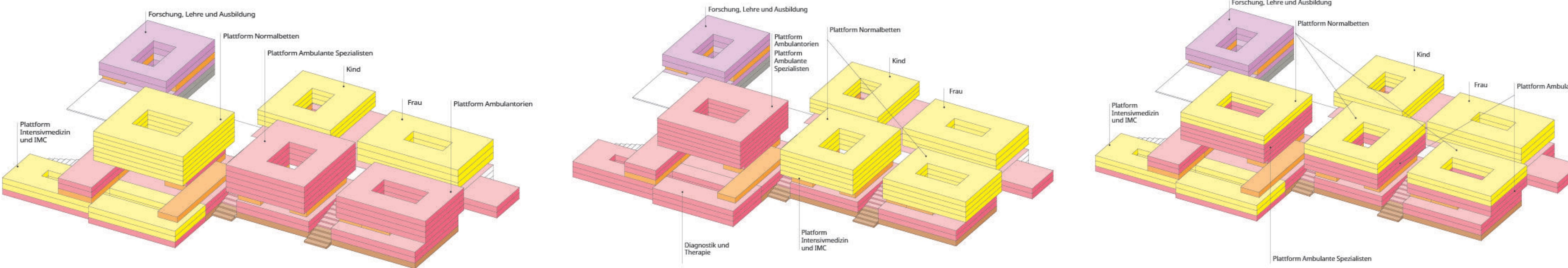
Common machine



Inner connections



Flexibility



Top: Concept diagrams  
Bottom: Site plan

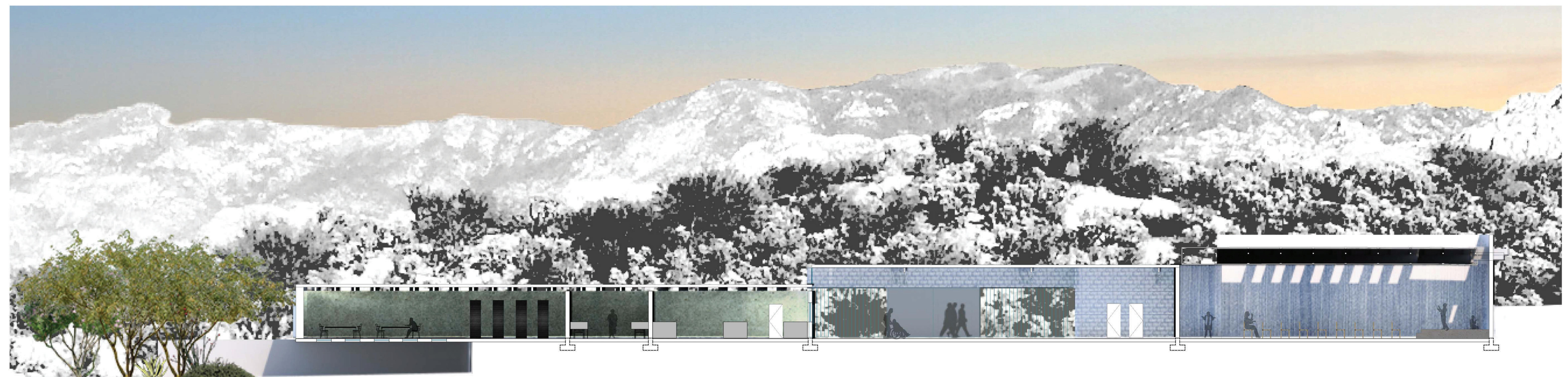
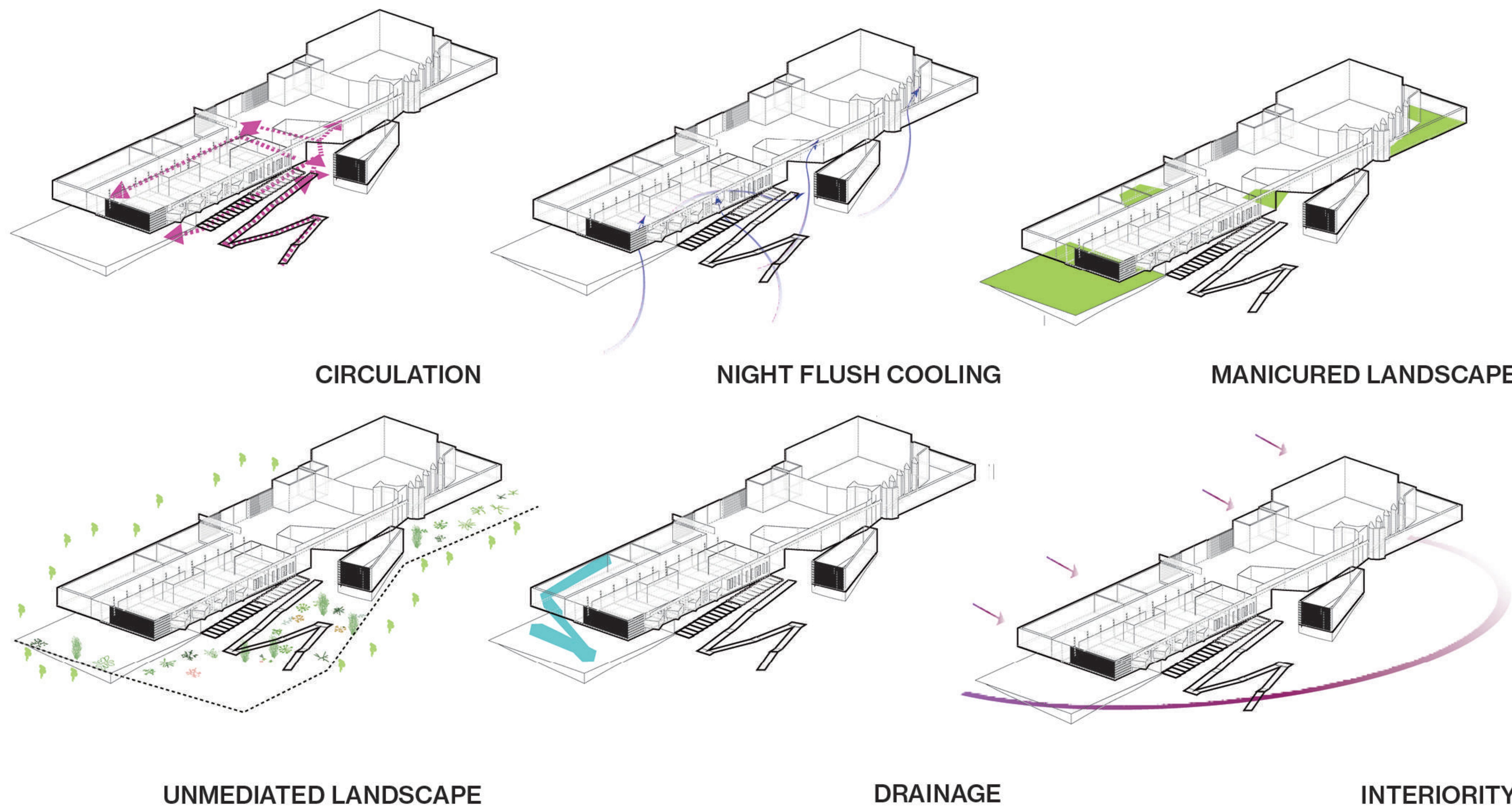
## Transcendental Space

Advisor: Paul Reimer

Location: Tucson, AZ

Program: Non-secular campus

Role: To design with the tectonics, to deliver a community space. To design in place and deliver a project in a special site. One long procession in plan. The roof and material as a transition from the sky to the earth. The architecture as the medium.



This page: Concept rendering of Social hall

Top: Concept diagrams

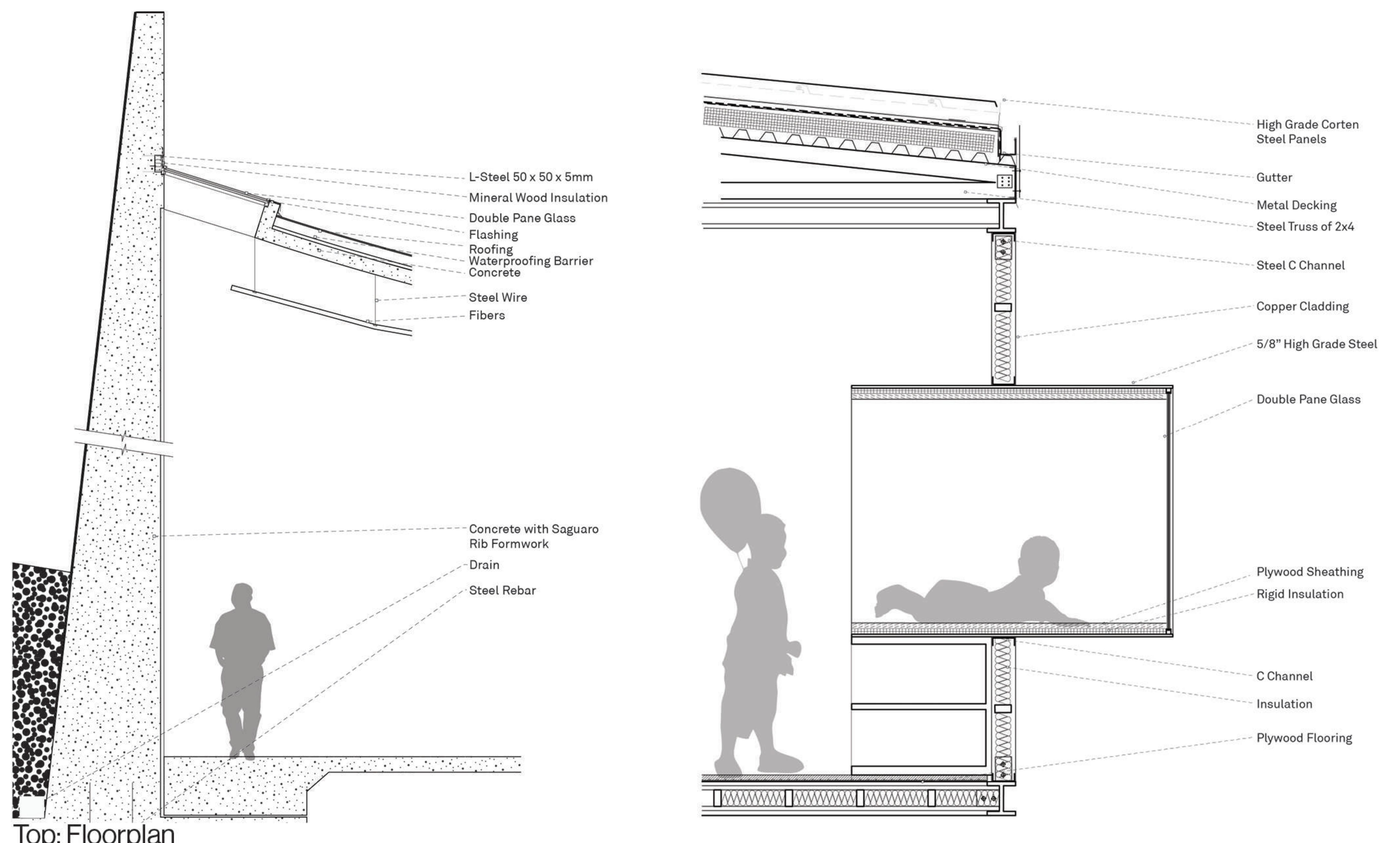
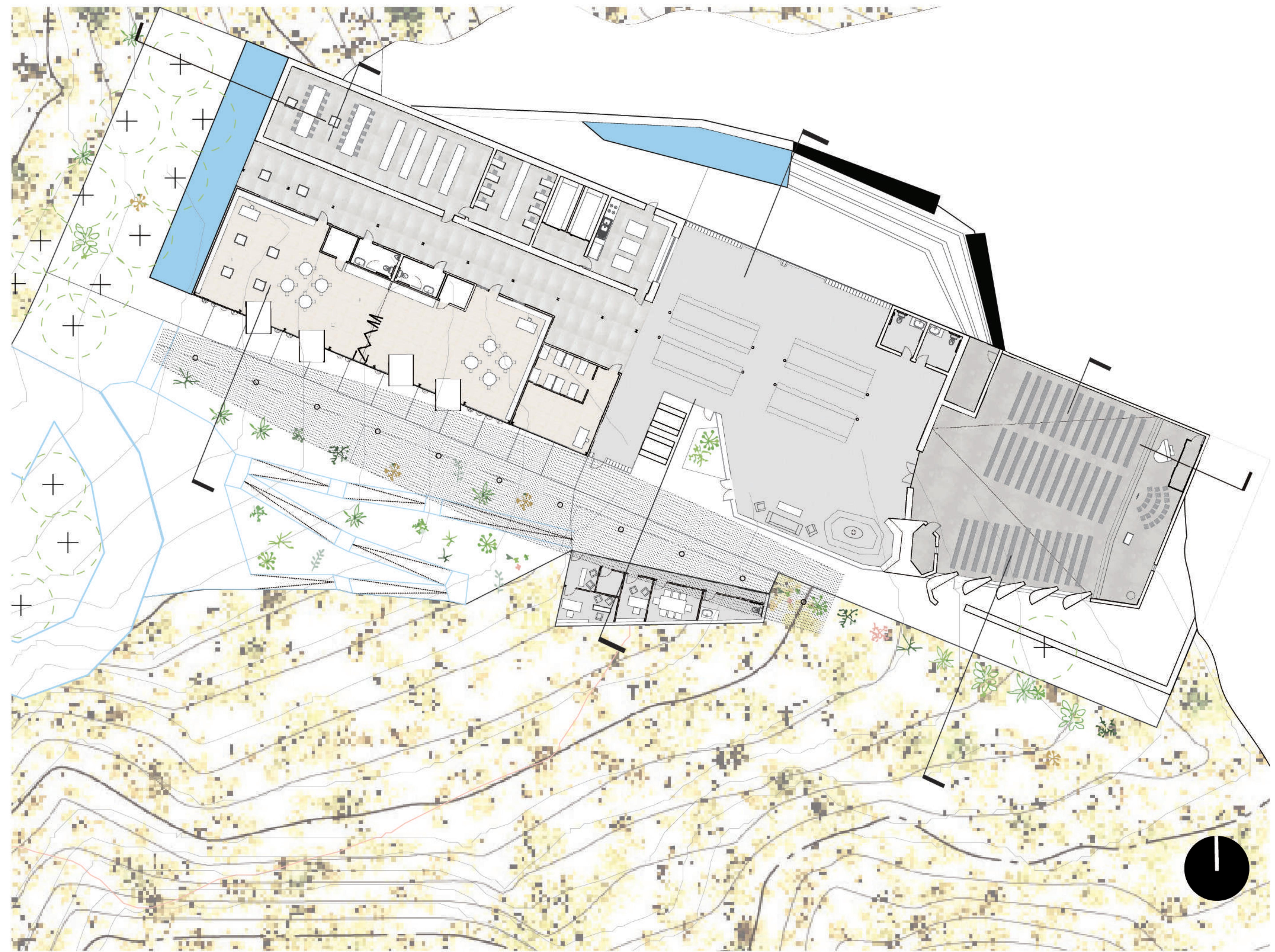
Second from top left and right: Site plan and detail through sanctuary wall

Middle left to right: Perspective entryway, courtyard and sanctuary.

Bottom: Longitudinal section



This page: Sequential diagrams from top, sanctuary, outdoor gathering, and exterior procession to social hall



Top: Floorplan  
Bottom: Building Envelope Details

**DESIGN + BUILD**

## Highlands Park Gridshell

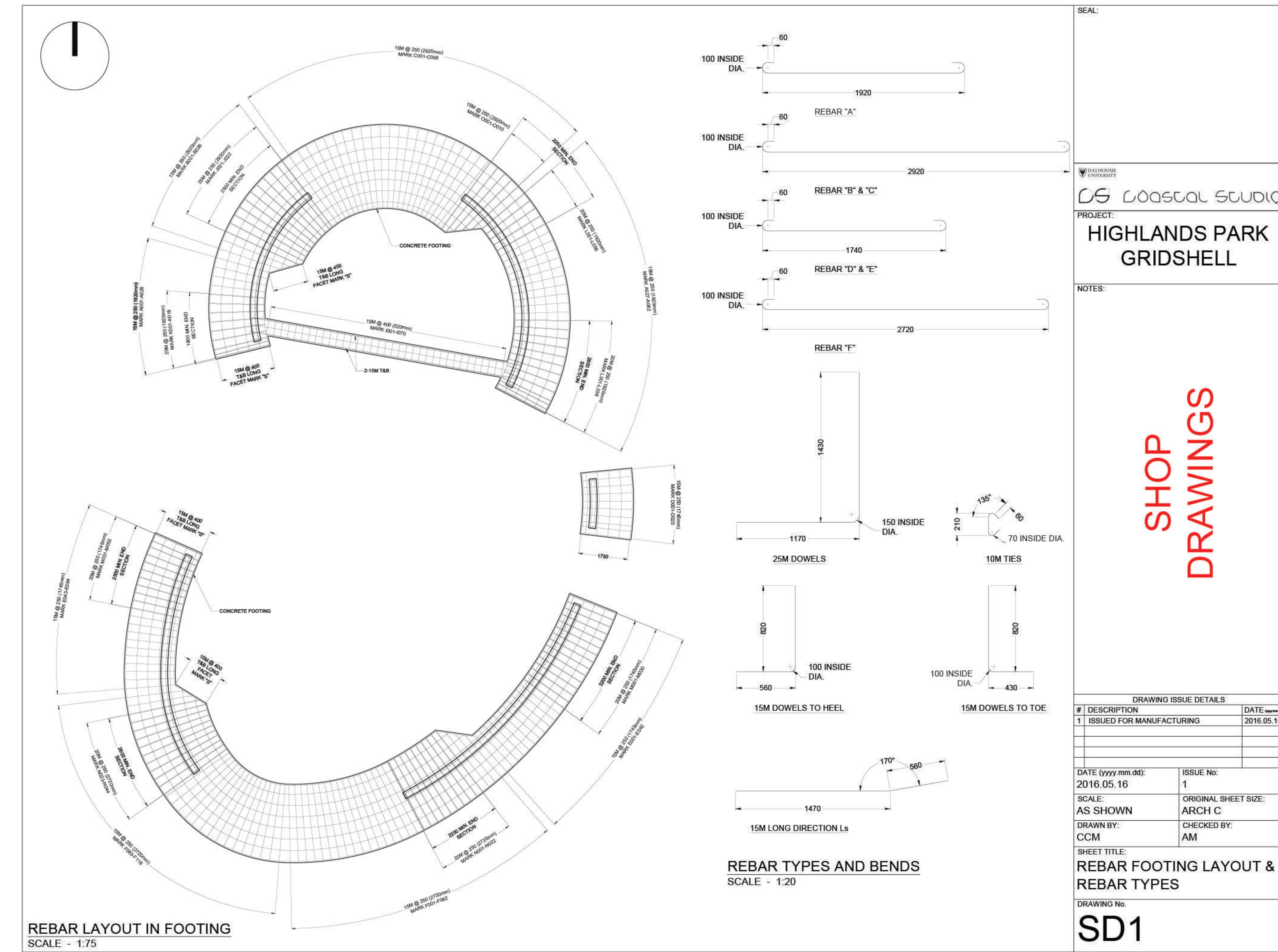
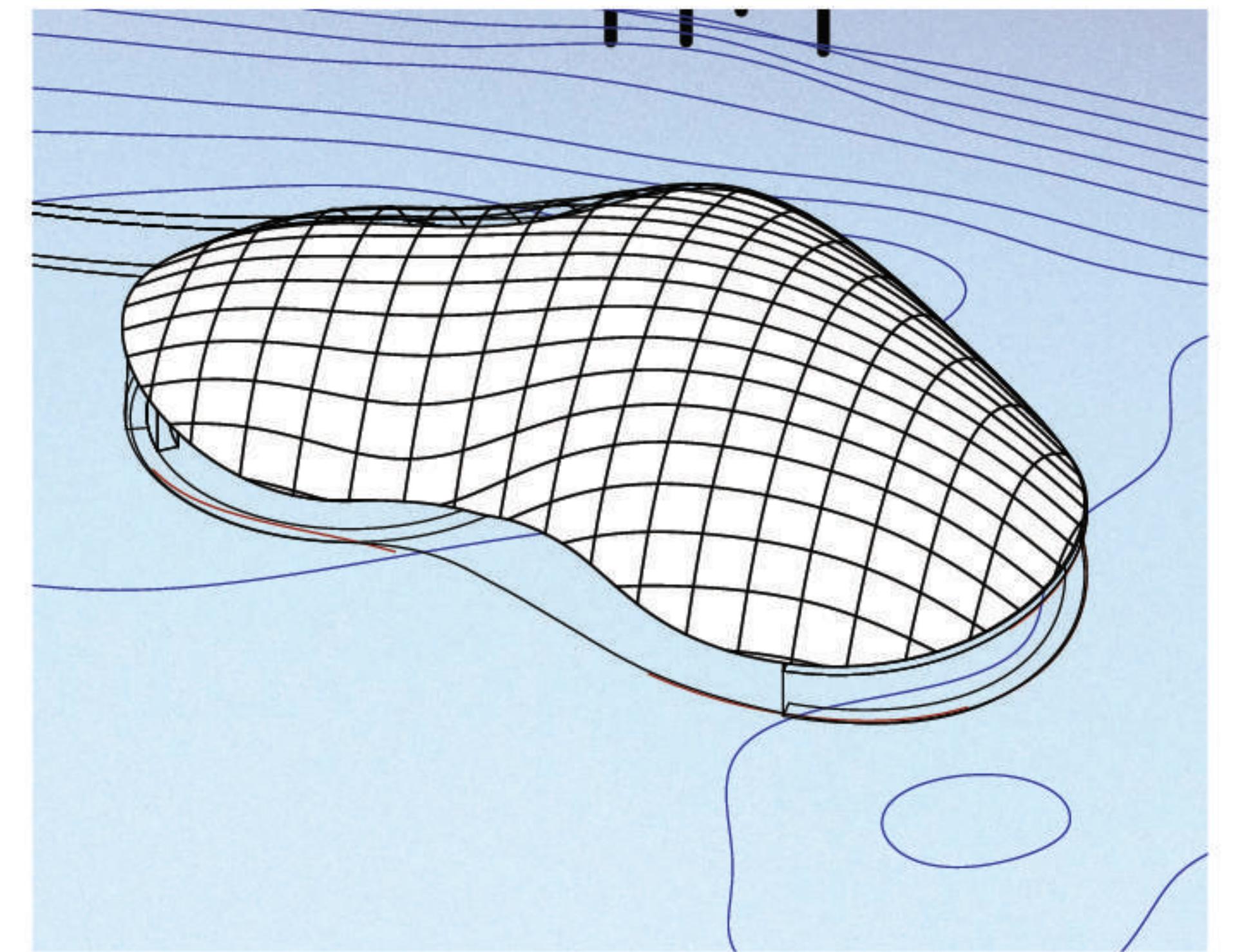
Office: Coastal Studio

Location: Cape Breton, NS

Program: Outdoor pavilion + stage

Phase: Concept to Construction

Role: The form as a result of the structure. Together as a team, with professional consultants. Designed with the parameters of the material and system to create a public pavilion in a national park.

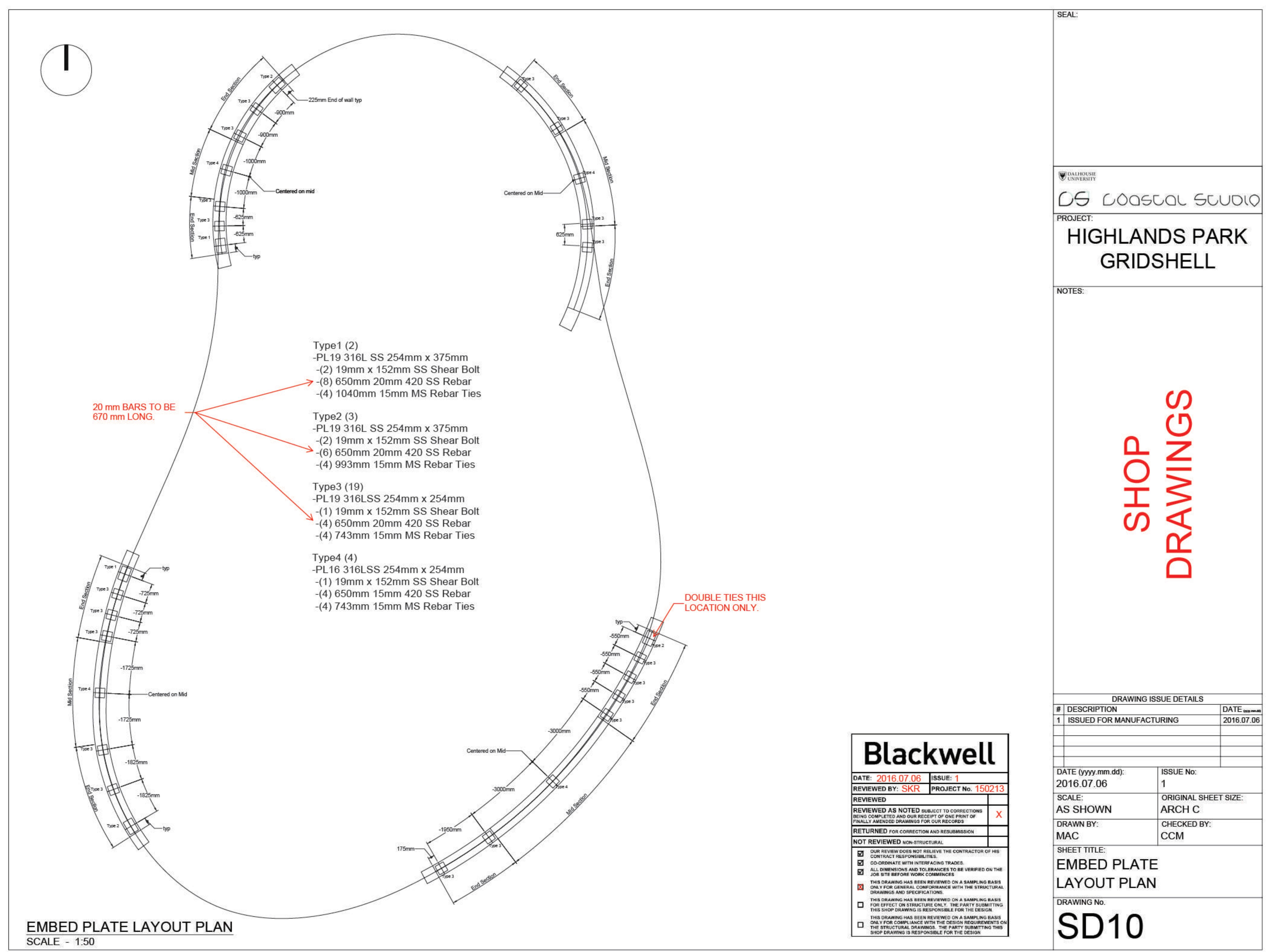
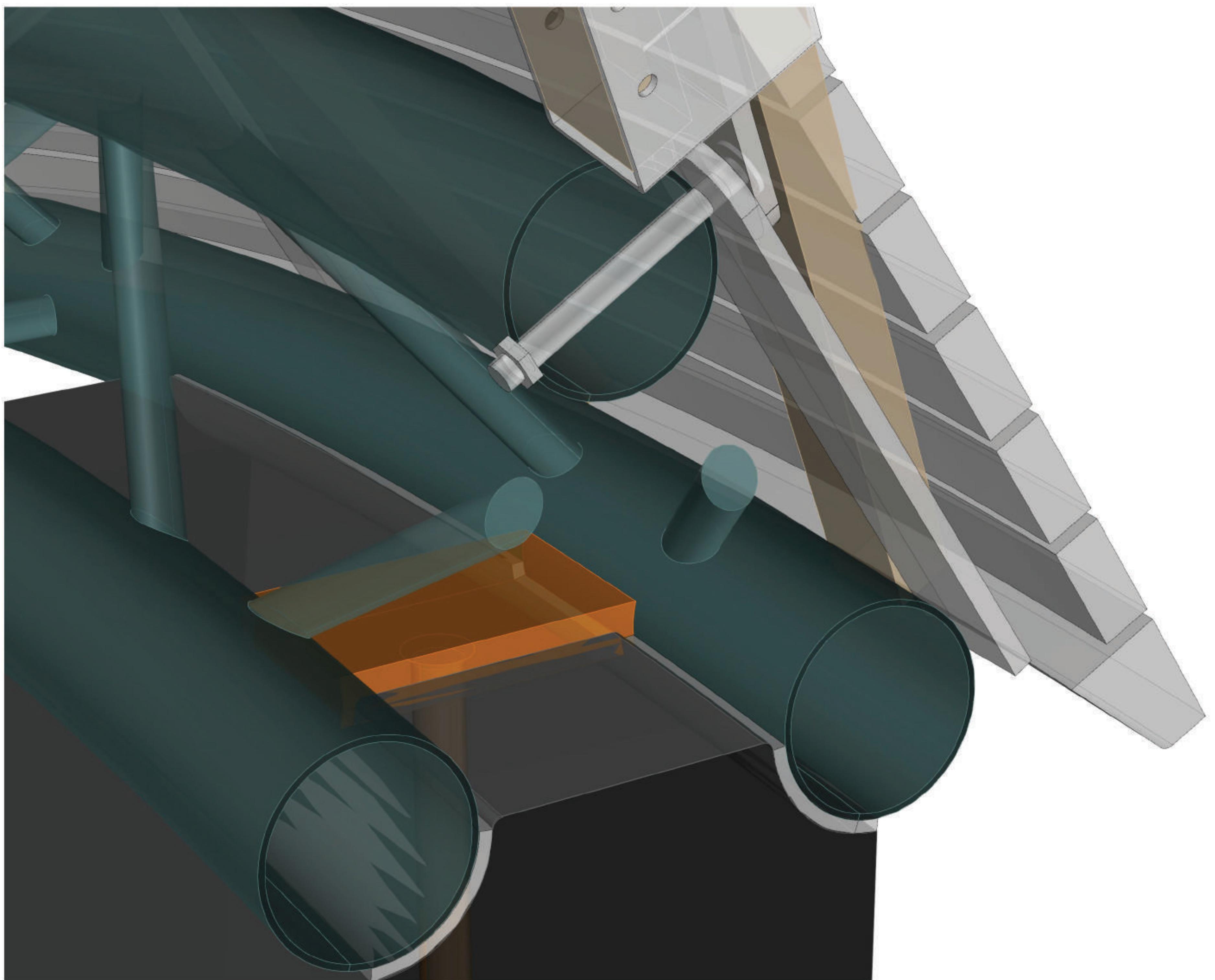
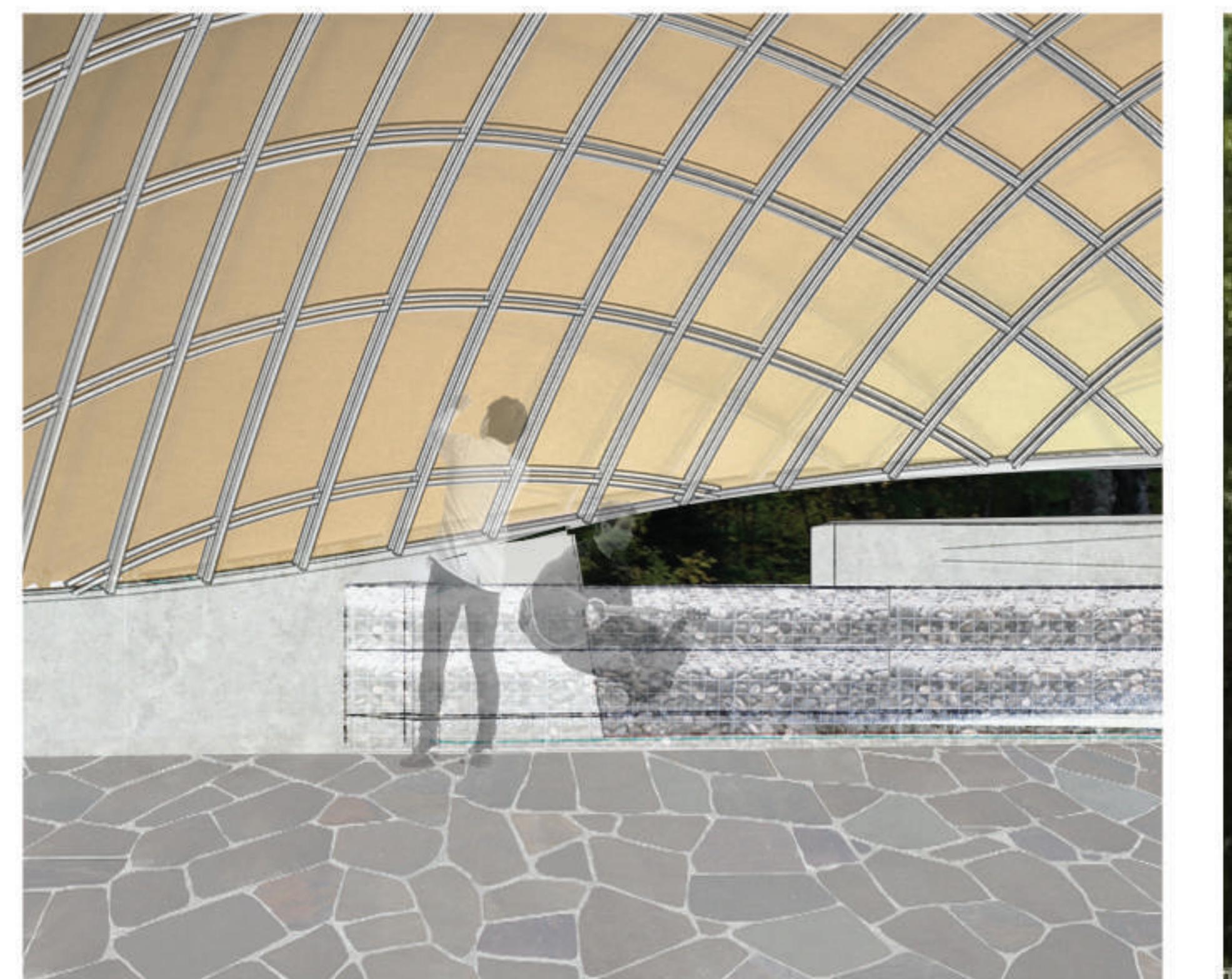


Top left: Axon of model  
Top right: Process shot

Bottom: Rebar shop drawing



This page: Process shot



Top left: Interior perspective  
Top right: Process interior shot

Bottom: Top plate shop drawing

Top: Edge beam detail  
Bottom: Process edge  
beam to gridshell detail

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