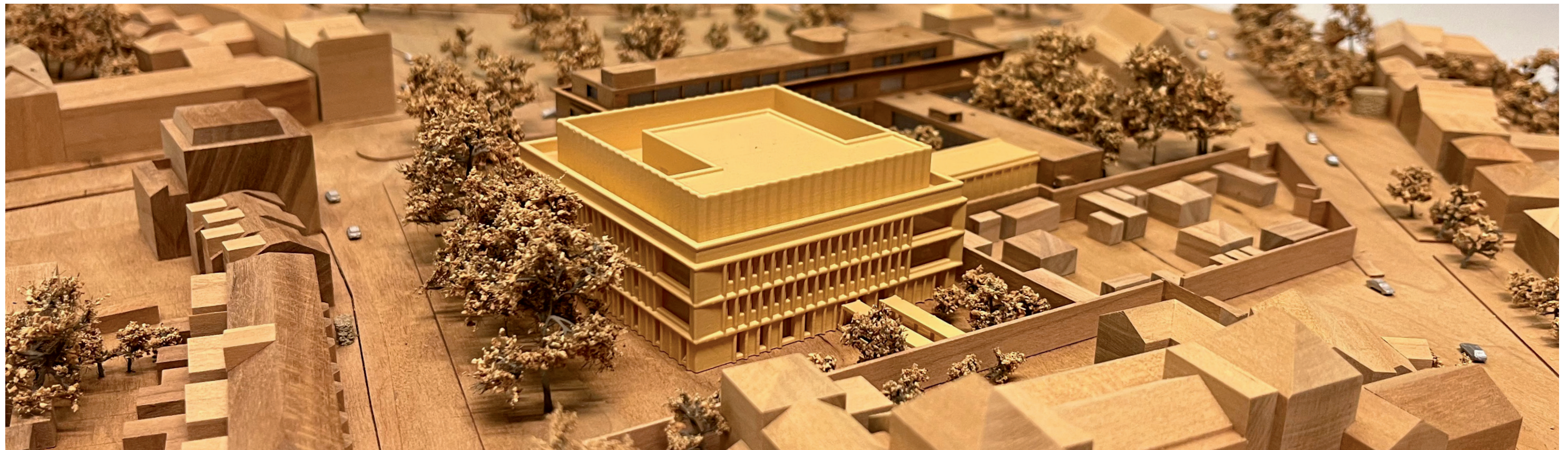


6 Architecture
6.2 Trinity Road Building
6.2.3 Building form and massing



6 Architecture

6.2 Trinity Road Building

6.2.4 Solar Control

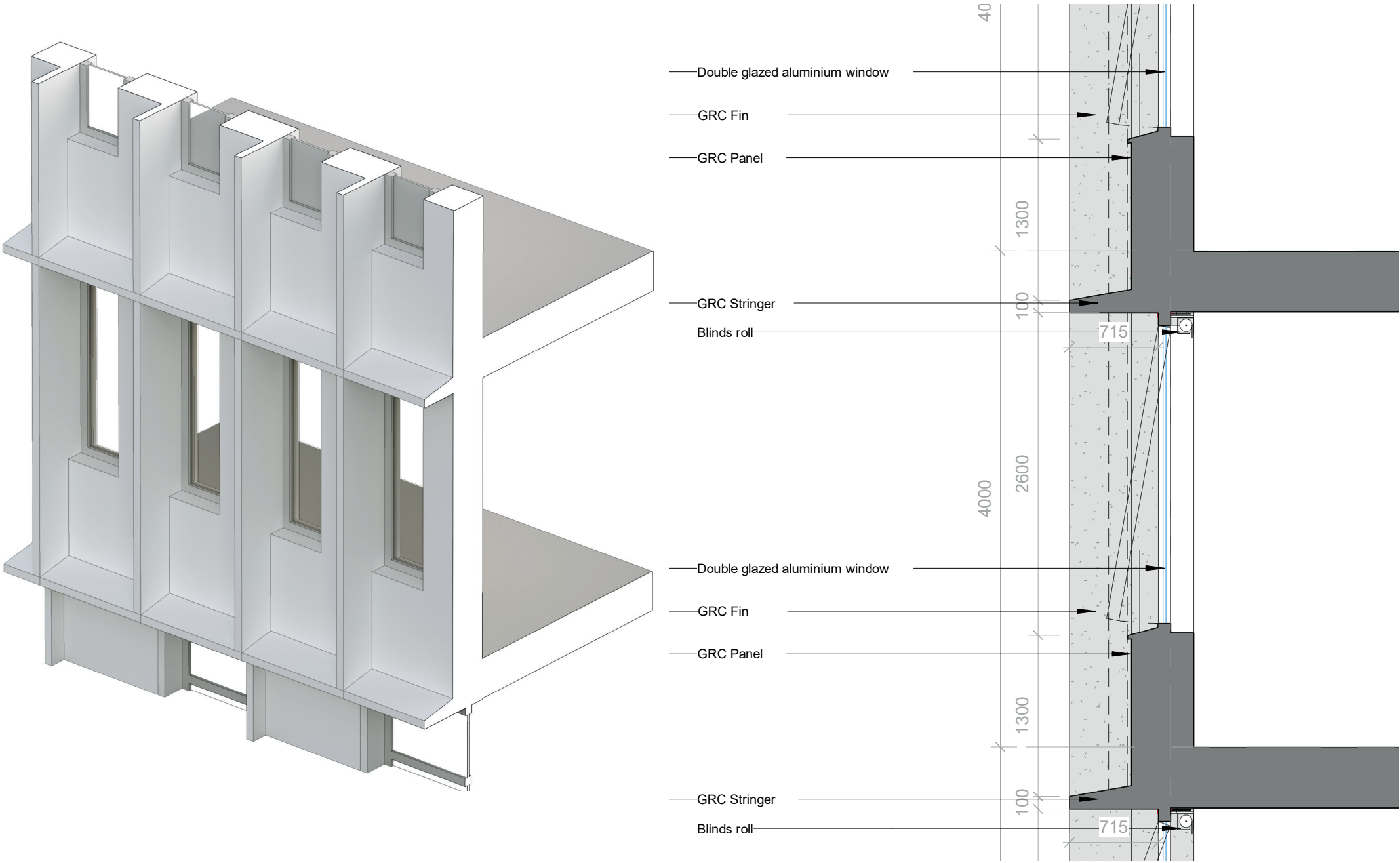
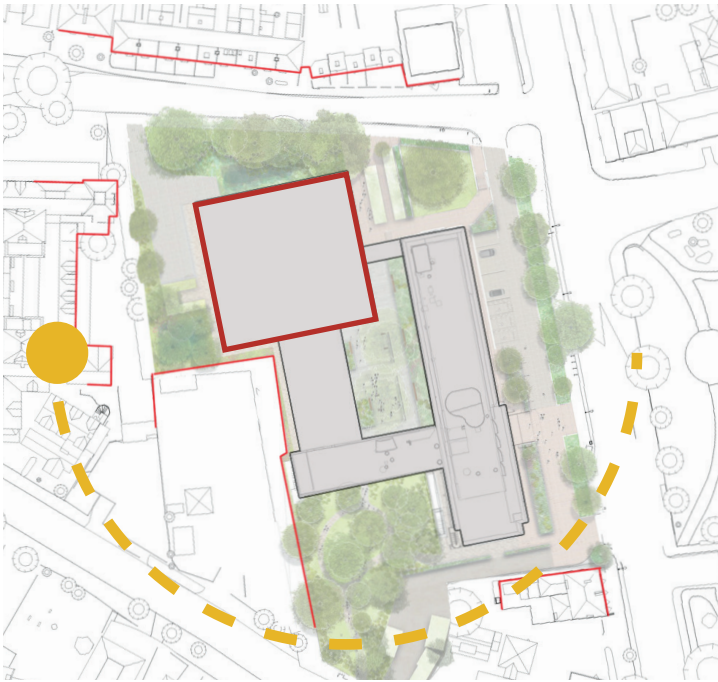
Solar control

The building envelope is 40% glazed to both maximize natural light within the interior and avoid overheating. To minimize solar gain (heat from the sun), the facade requires shading in the form of projecting vertical fins and horizontal stringers. These projecting elements will also provide an appealing pattern of light and shade. The fin spacing and positioning of adjacent windows responds to each façade's solar orientation. The window sill is aligned with desk height.

The windows, solid panels, fins and cornices are set out on a rational grid picking up on the regular panellised cladding and vertical windows of the Civic Centre attic. The grid follows a regular module, but changes on different floor levels and on different façades in response to different environmental conditions. This helps bring variety and animation to the facade and helps break down the mass of the building

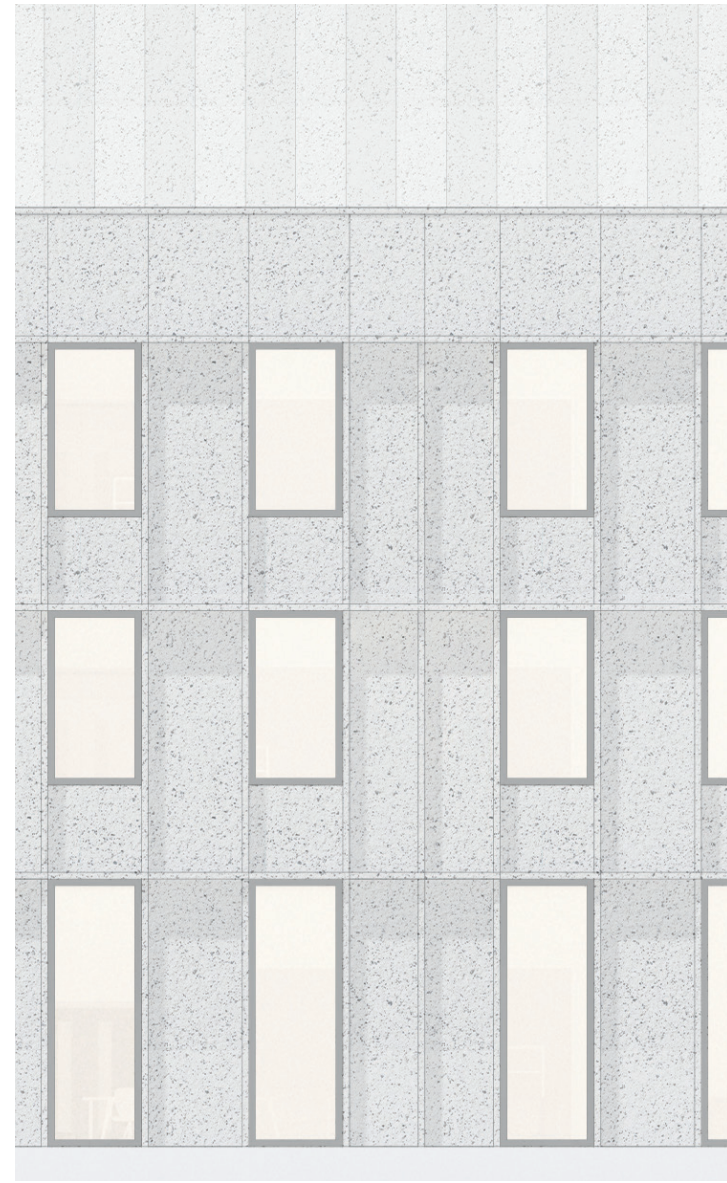
At key points around the building large picture windows are introduced to celebrate key internal spaces and allow this to be read on the elevation. This lets building users and visitors to understand the building organisation from the outside.

Site plan below

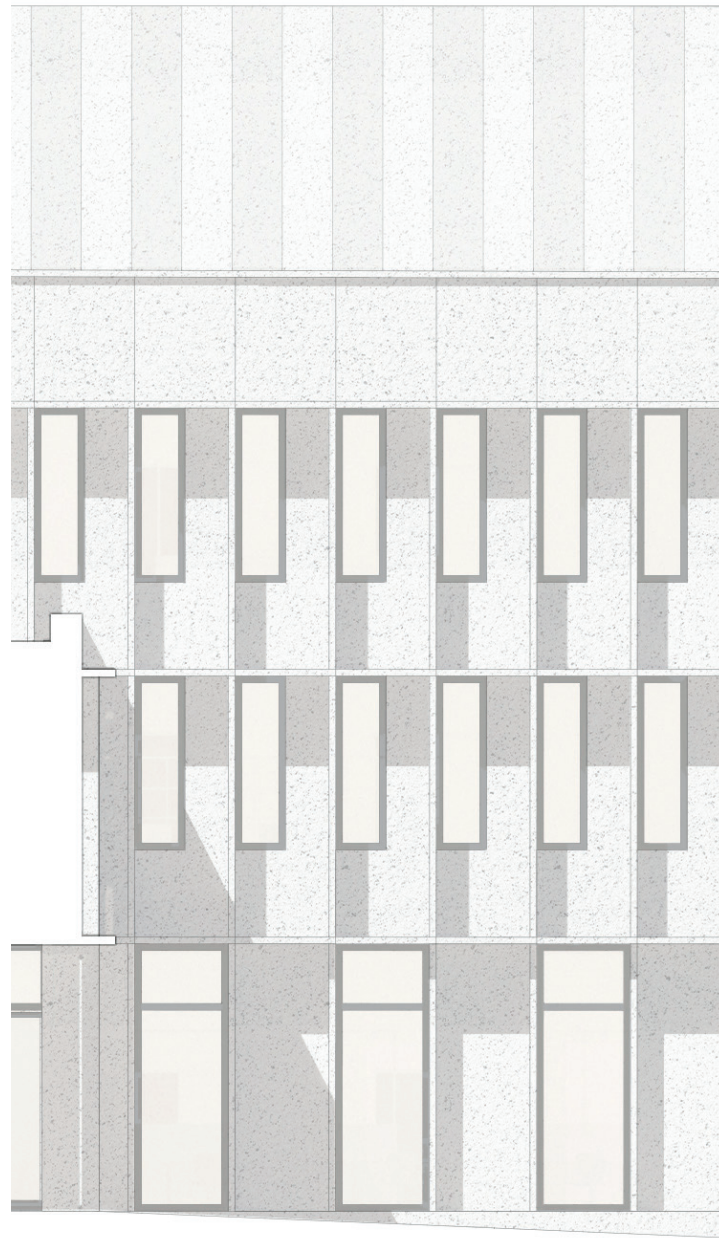
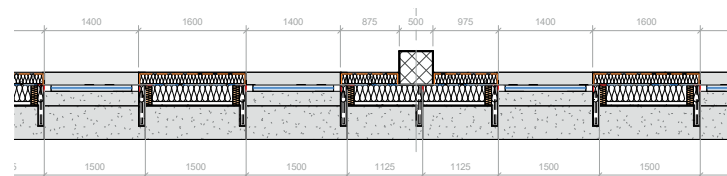


6.2.4 Solar Control

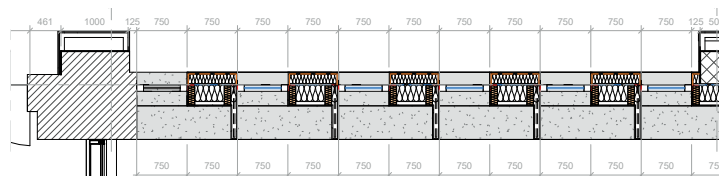
The fin spacing and positioning of adjacent windows responds to each façade's solar orientation.



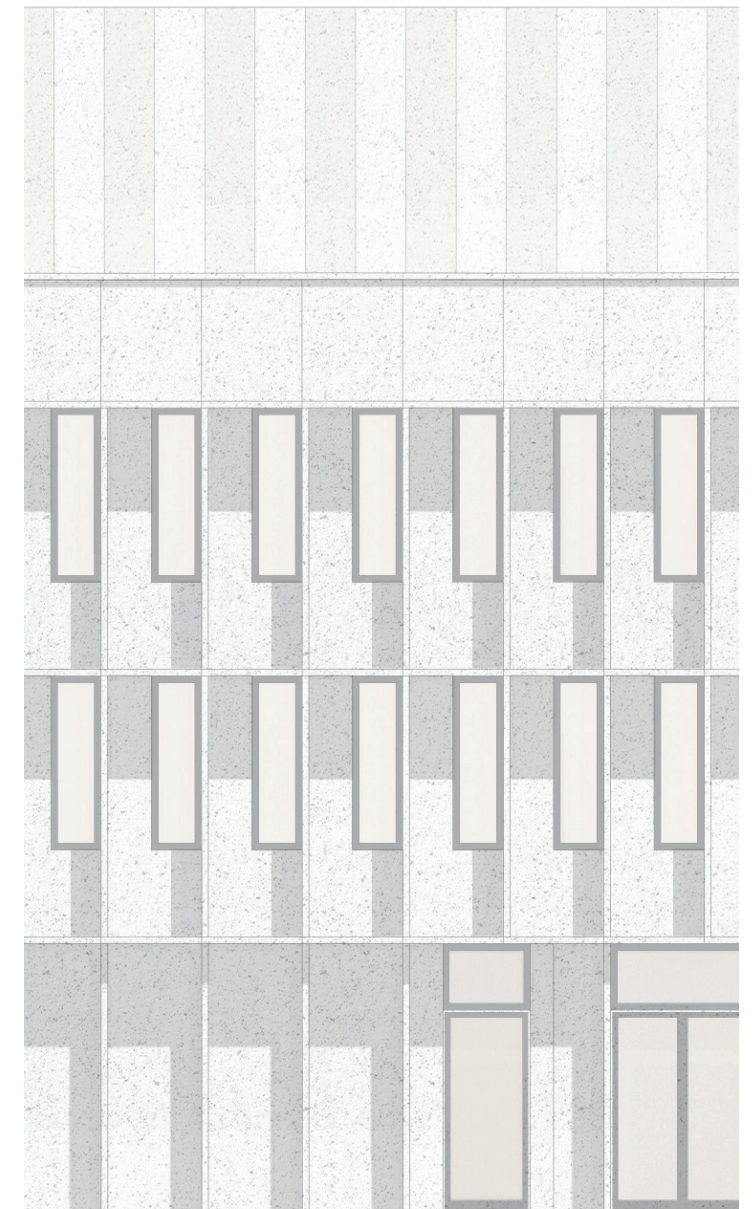
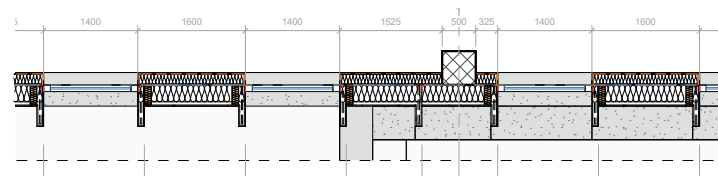
North



East



South



West

