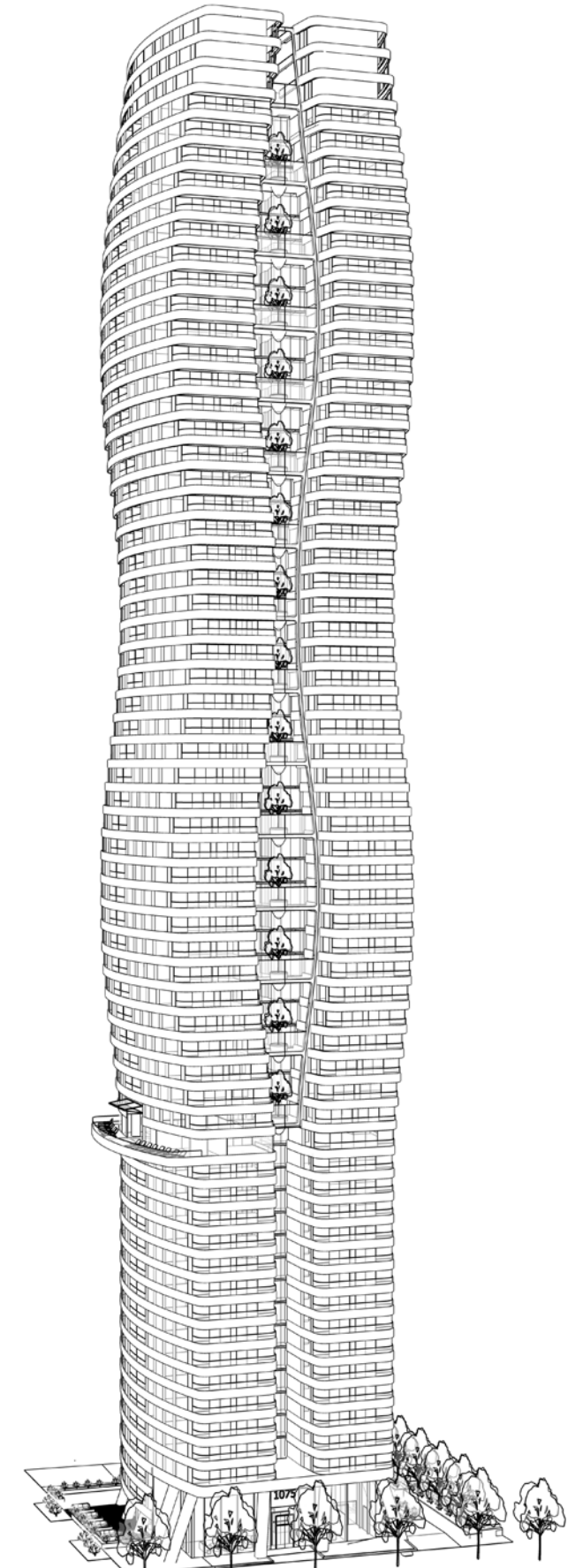
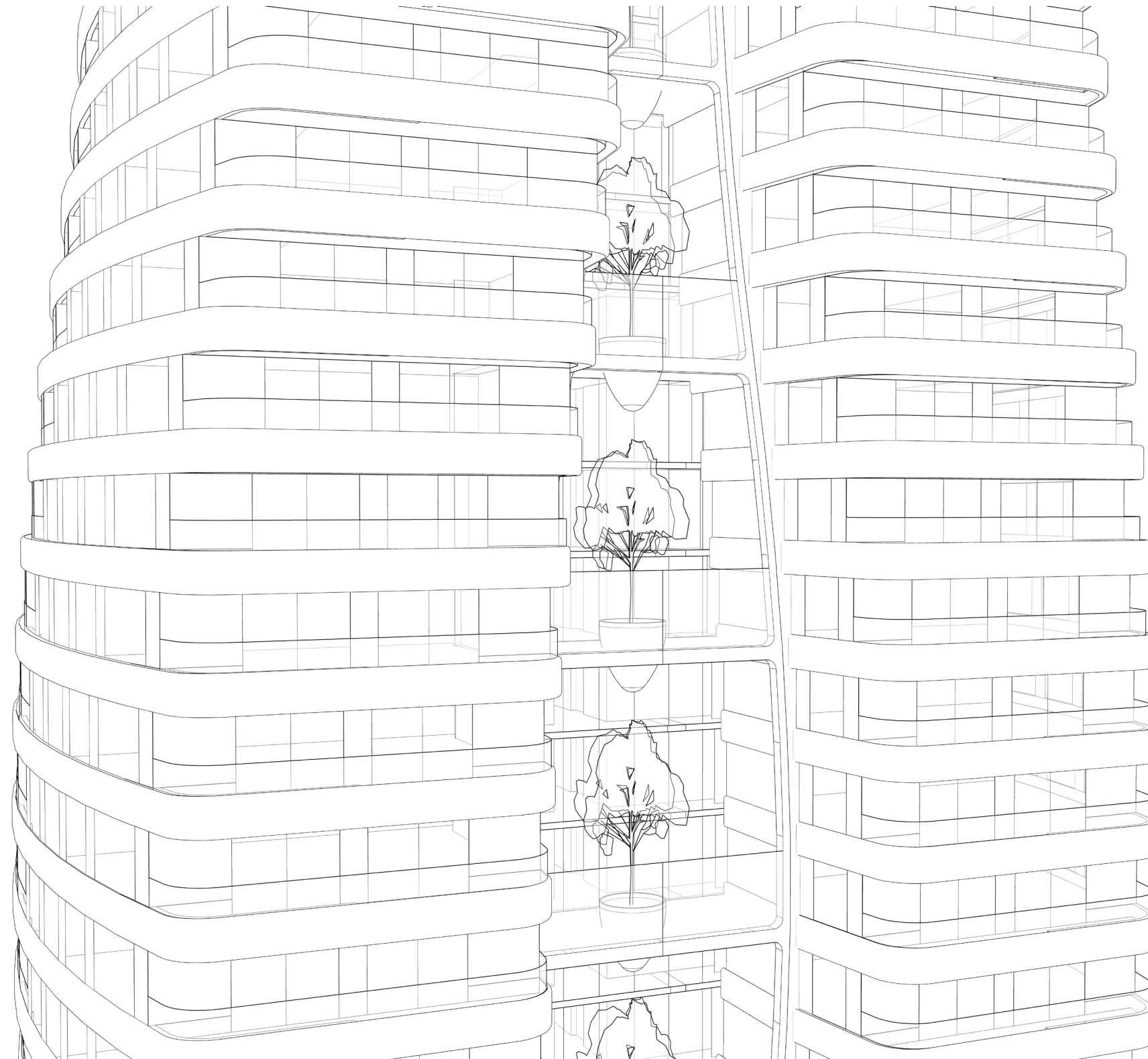


## 11.0 Facade Design





## 11.0 Facade Design

Thermally broken window frame modules with opaque spandrel panels

Non-standard stainless steel panel to allow for stepped façade

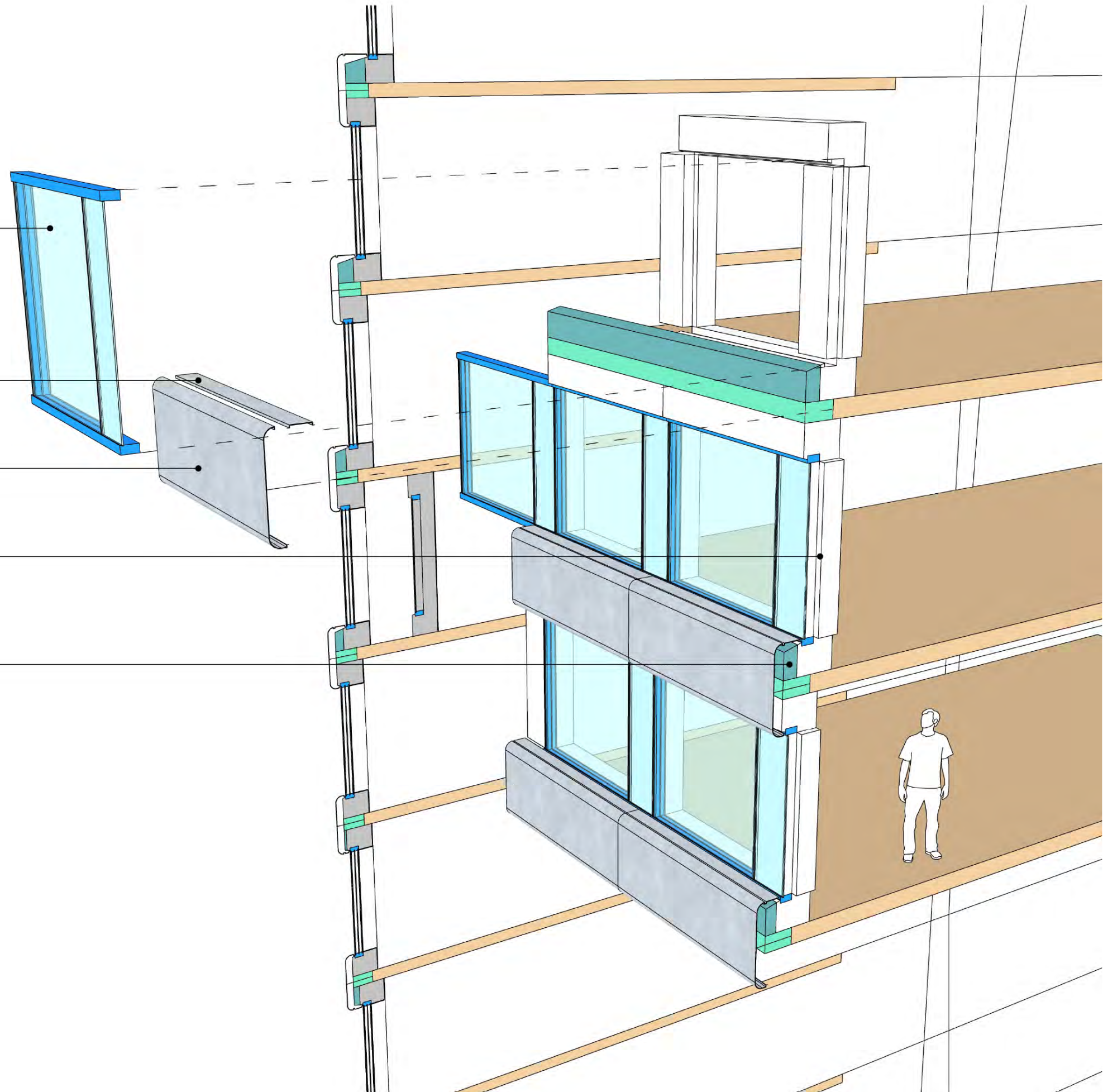
Angel hair finish on metallic cladding rain screen

450 mm thick modular insulated sealed façade

Nonstandard insulation to allow for stepped façade

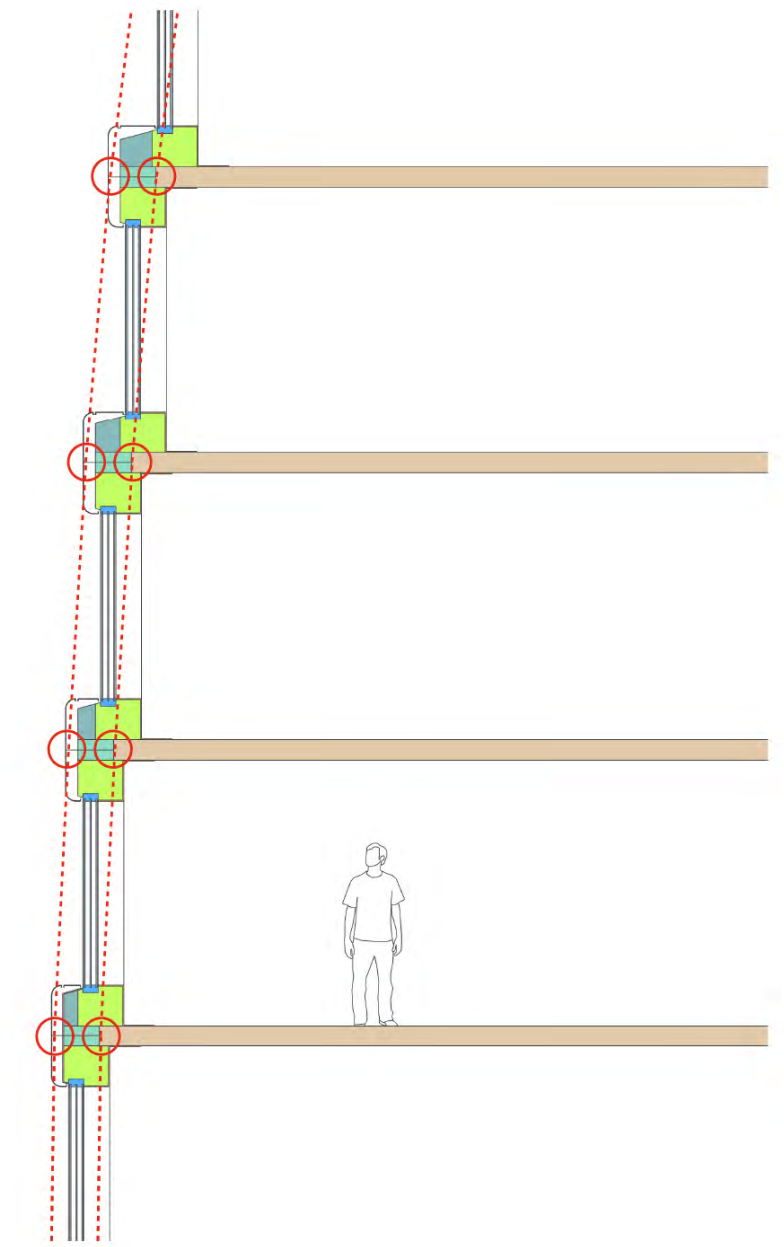
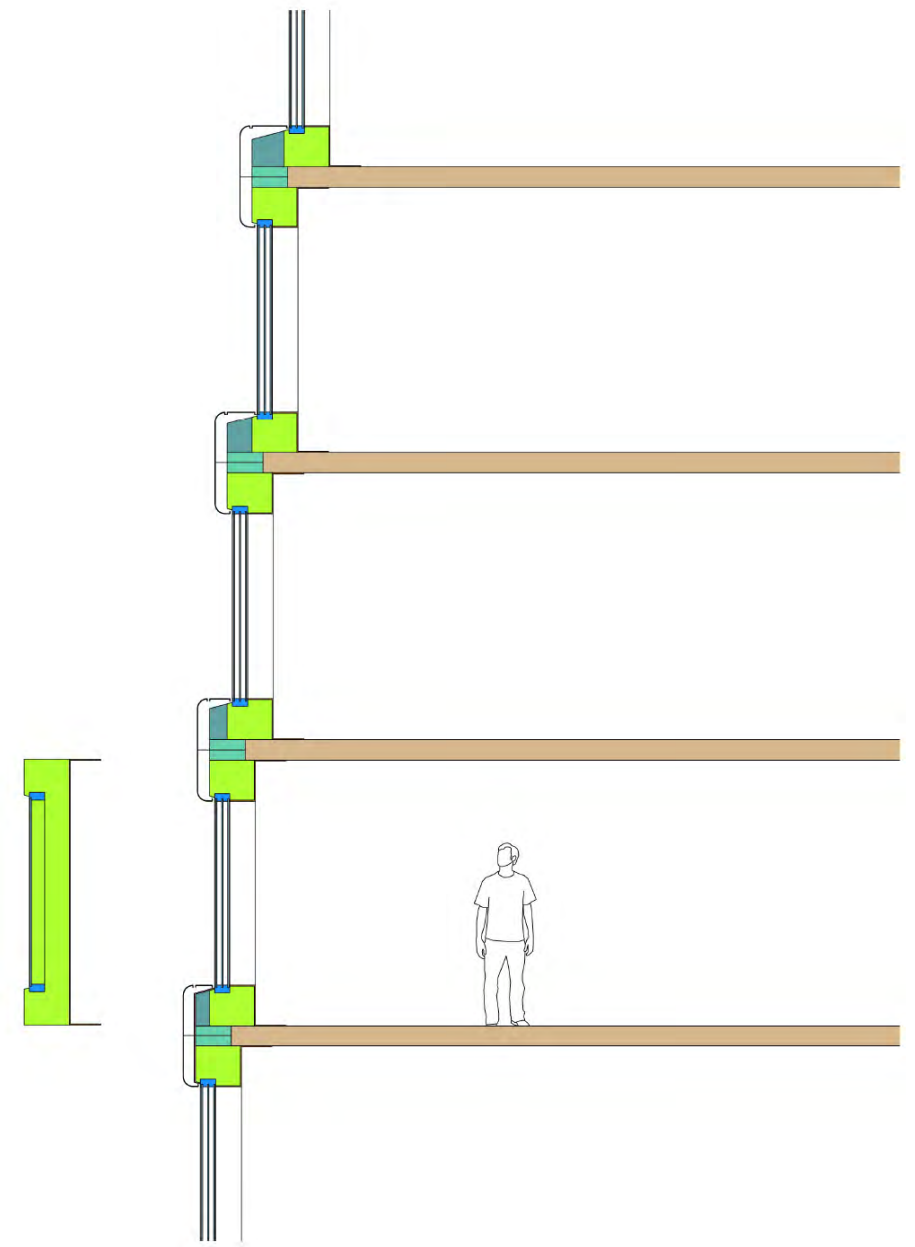
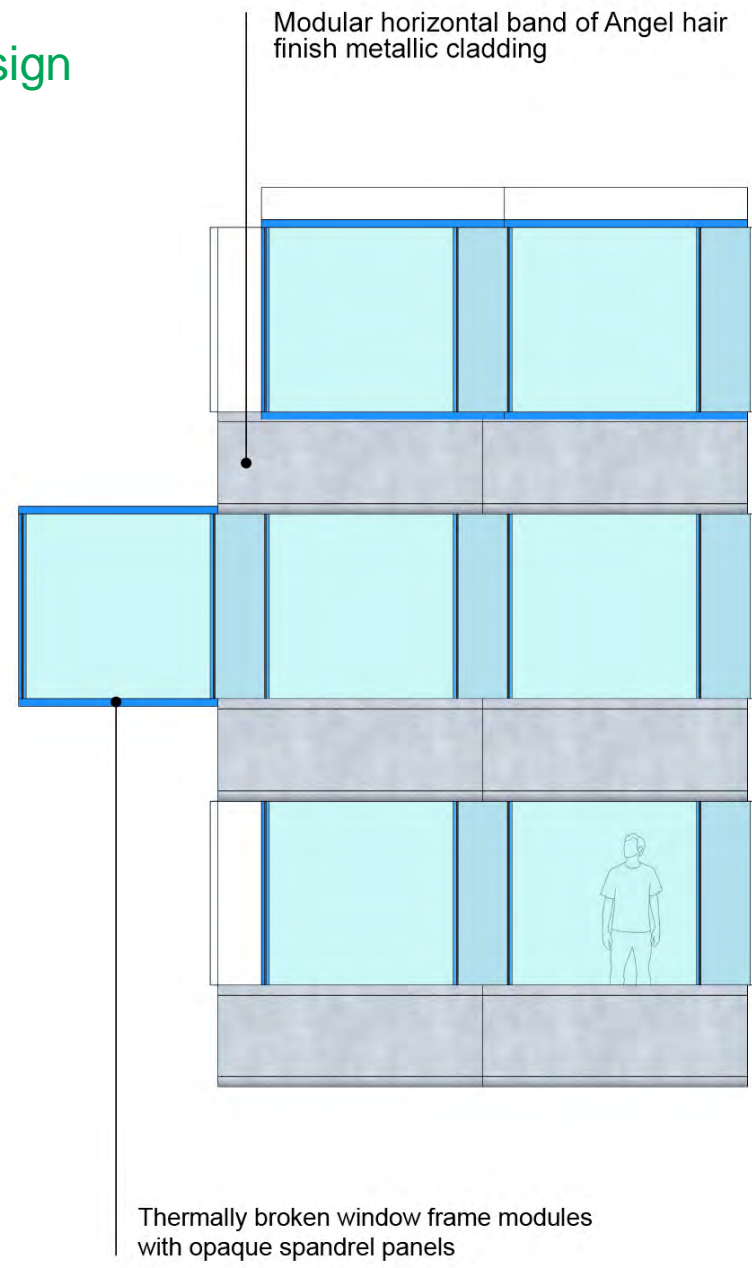
The façade of the tower has been designed to have 50% window and 50% super insulated wall. An insulated wall thickness of 450 mm has been allowed for so that the requirements of Passive House can be maintained whilst ensuring maximum glass area. The insulation will wrap the building and careful detailing will ensure thermal bridges do not occur. The façade will be sealed from the inside and then pressure tested to meet PH standards. Thermally broken triple-glazed window frames with opaque spandrel panels between will be covered by the internal insulation to help negate heat transfer.

Although the design of the tower steps vertically in a double curve, the façade components are designed with maximum repetition with the aim to allow for a modular approach to manufacture. The waterproof skin of the building runs behind the horizontal angel hair finish on metallic cladding bands which act as the visual rain screen of the building.





# 11.0 Facade Design



The facade is set out so that the rain screen is equidistant from the concrete slab edge to ensure repetition of major components and maintain the visual appearance of the curve.



Angel hair finish on metallic cladding