

5.7 APPEARANCE - FACADE DESIGN

5.7.4 MAIN WALL TYPE 02 - RECESSED INFILL NORTH/SOUTH

The recessed infill north/south acts as a recessive vertical slot, creating a contrasting shadow gap effect to the 'planar blades', breaking down the vertical proportions. This wall type is a combination of back-painted and insulated opaque glass and fixed triple glazed vision panel.'

In addition, this wall type features brise soleil providing shade from the direct sun during summer, whilst allowing low-level sun to enter the buildings.

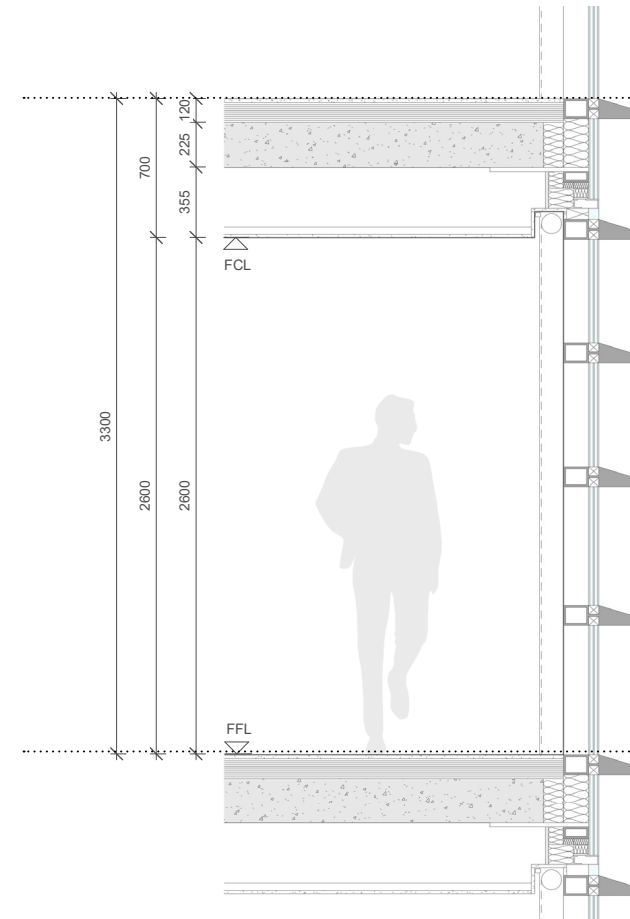


FIGURE 188. Section

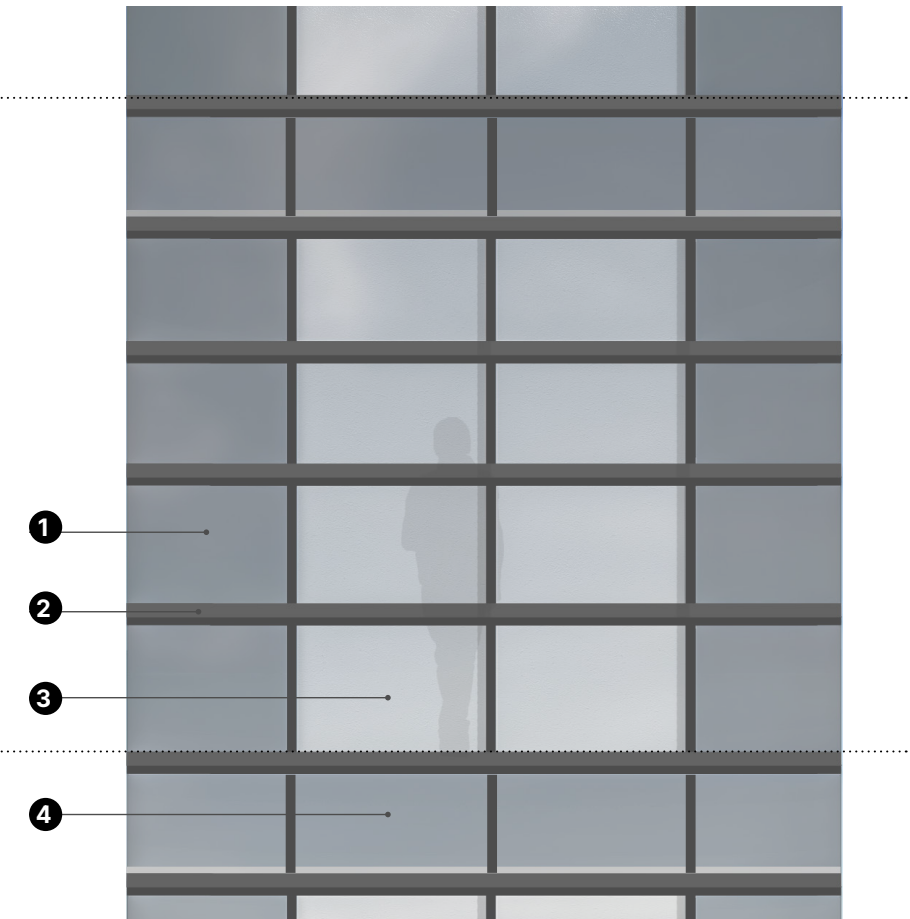


FIGURE 190. Elevation

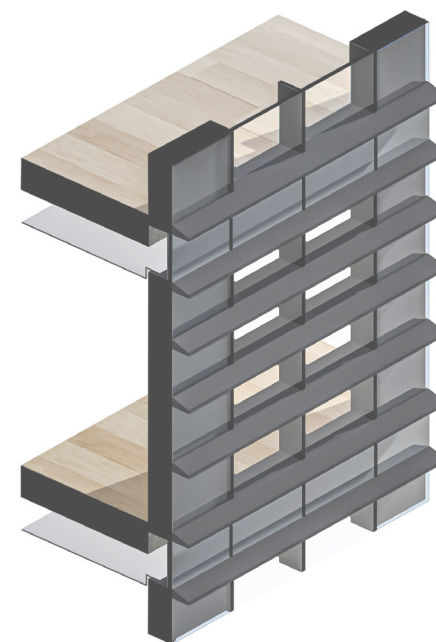


FIGURE 189. Axonometric View

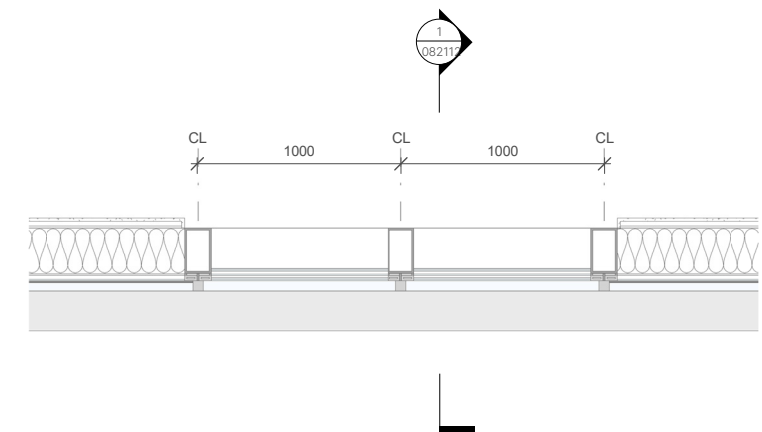


FIGURE 191. Plan

- ① Back-painted & insulated opaque glass, colour dark grey
- ② Dark grey coloured aluminium projected louvres or brise-soleil
- ③ Triple glazed fixed unit, vision panel
- ④ Back-painted opaque glass spandrel panel, colour dark grey

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5.7.5 MAIN WALL TYPE 03 - RECESSED INFILL EAST/WEST

The recessed infill (east-west) wall type features opaque glass panels with aluminium fins on the external side to provide shading from the sun and reducing heat gain. When compared to horizontal louvres, vertical louvres are ideal on the east and west elevations as the angle of the sun is typically lower.

The triple glazing is vertically shaded by a continuous vertical fin to accentuate the slender proportion. Other forms of passive design approaches such as additional backing insulation and thermally-broken framing system (bespoke with input from specialist supplier) have been carefully considered in the facade design.

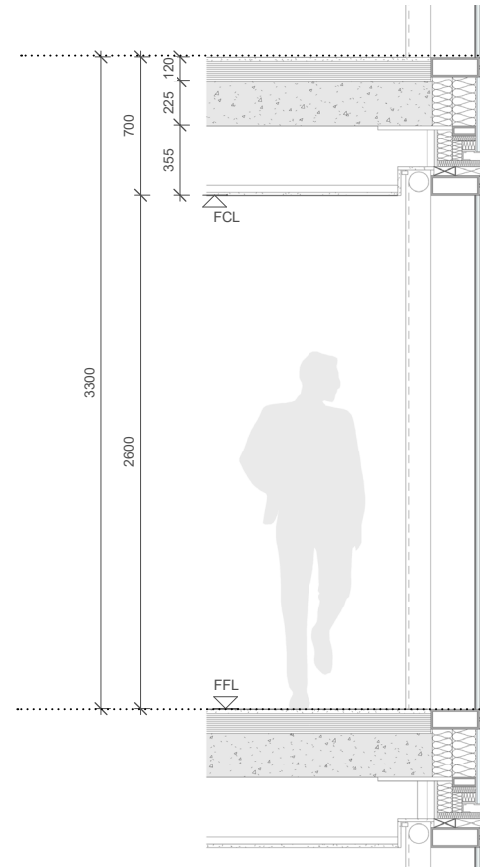


FIGURE 192. Section - Vision Panel

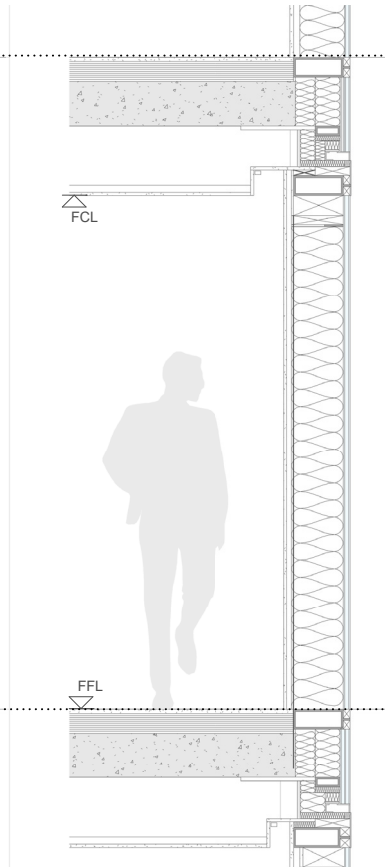


FIGURE 193. Section - Solid Panel

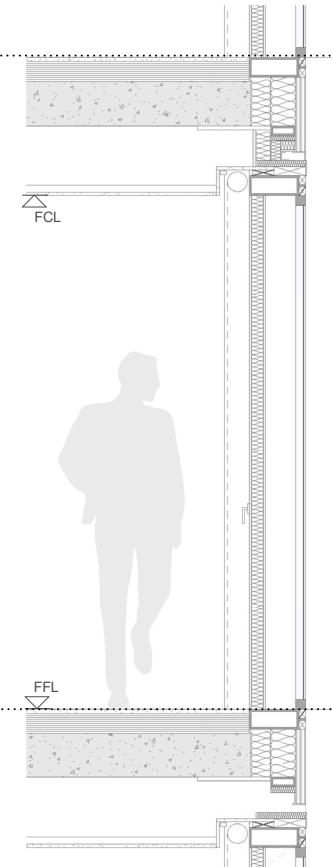


FIGURE 194. Section - Openable and Louvred Panel

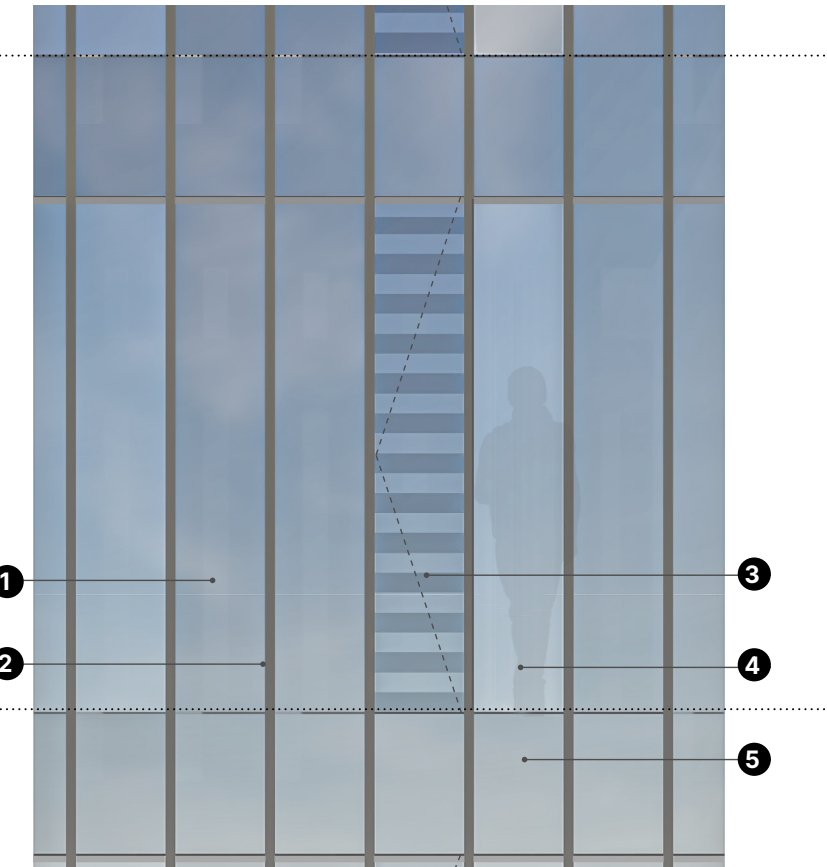
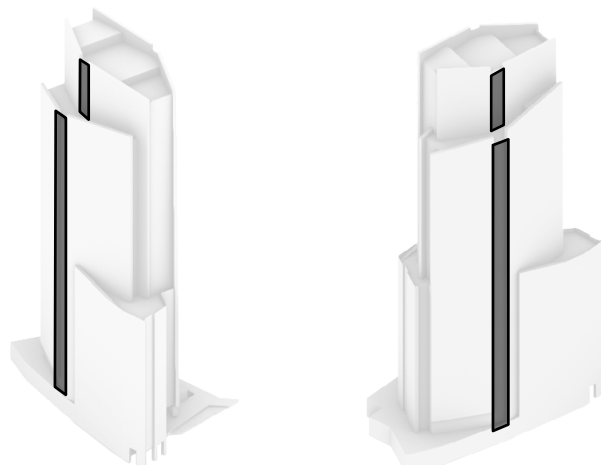


FIGURE 195. Elevation



- ① Back-painted & insulated opaque glass, colour dark grey
- ② Dark grey coloured aluminium projected mullions
- ③ Back-painted glass louvred panel over opaque openable panel, colour dark grey
- ④ Triple glazed fixed unit, vision panel
- ⑤ Back-painted opaque glass spandrel panel, colour dark grey

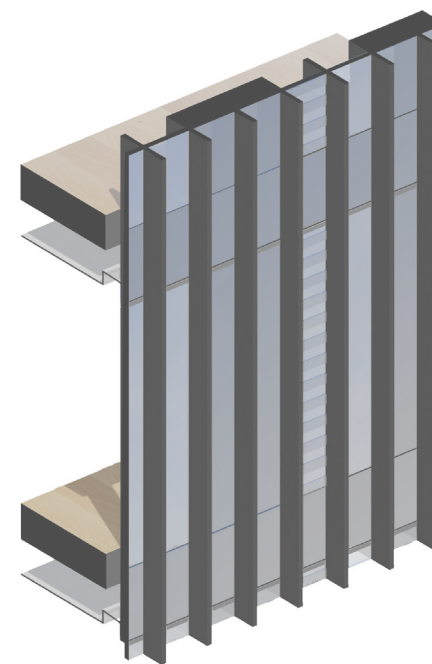


FIGURE 196. Axonometric View

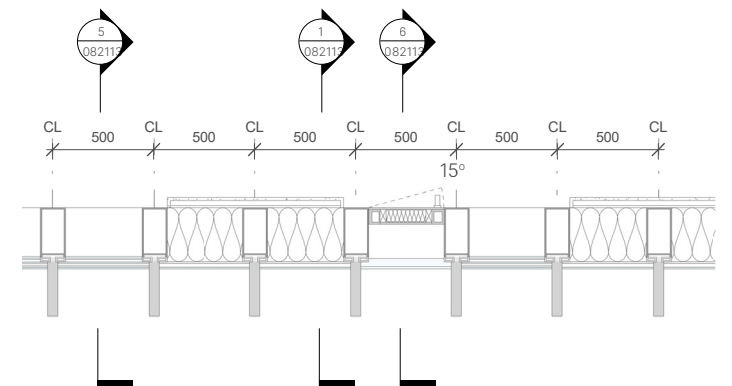


FIGURE 197. Plan

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5.7.6 MAIN WALL TYPE 04 - RECESSED INFILL BALCONIES

The recessed infill balconies are located at the higher levels, on the north and south elevation, to provide residential units with well shaded private balconies and amenity space. The balconies are positioned strategically on the south elevation to provide additional shade from the high-angle southerly sun, minimising overheating risk.

The opennable glazed doors on the balconies along with the dual aspect nature of all residential accommodation allow for natural crossflow ventilation.

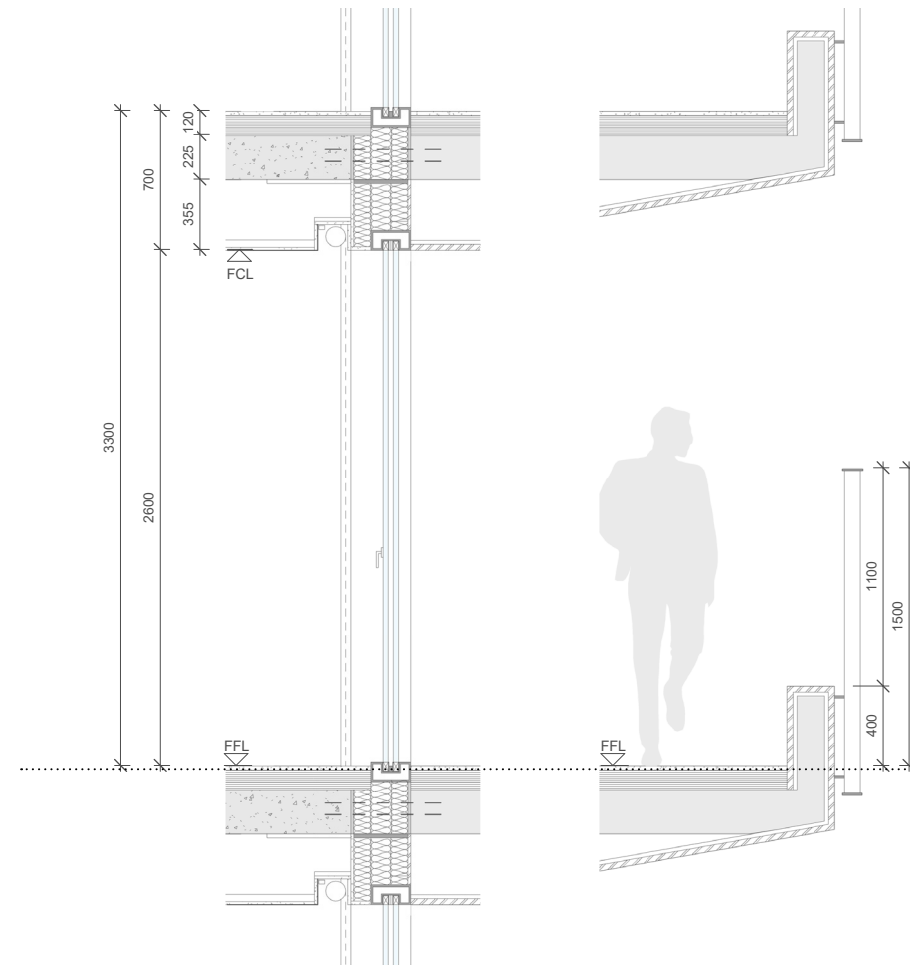


FIGURE 198. Section



FIGURE 200. Elevation

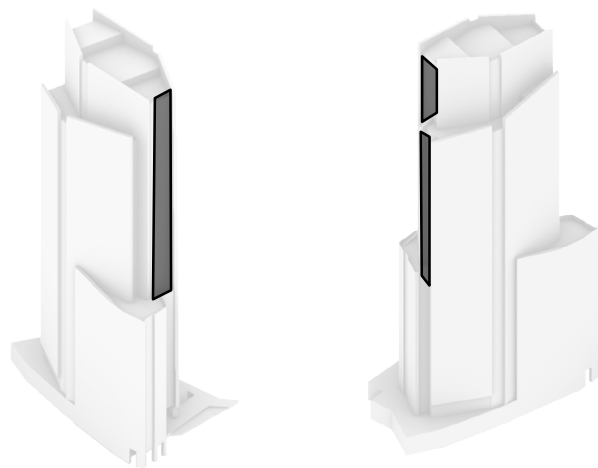


FIGURE 199. Axonometric View

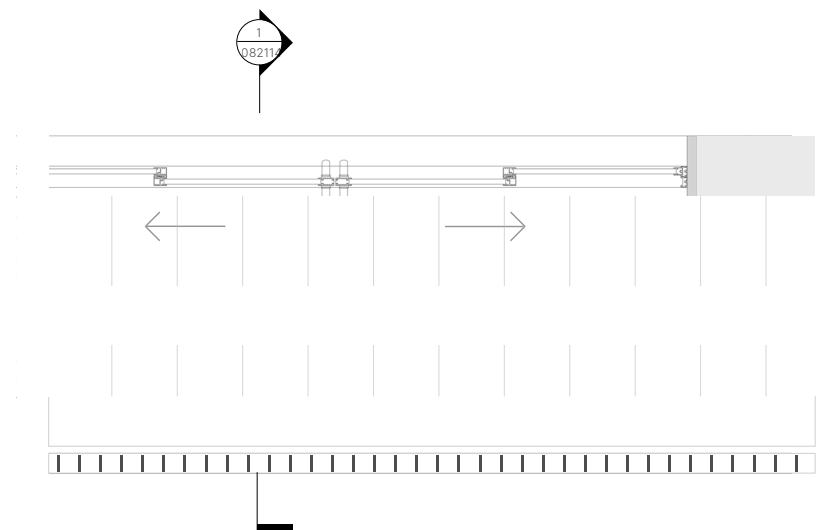


FIGURE 201. Plan

- ① Dark grey coloured aluminium triple glazed sliding door
- ② Dark grey coloured aluminium panel
- ③ Dark grey coloured vertical metal railings & balustrades
- ④ Dark grey coloured aluminium upstand

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5.7.7 MAIN WALL TYPE 05 - 'FOLDING BLADES'

The lower rise 'folding blades' adopt the similar articulation as the upper portions of the taller planar elements with subtly different metallic tones and variations to the framework to create a solid base to the building. The 'folded blade' element incorporate both a solid reeded profile aluminium panel within a frame of 200mm projecting vertical mullions to emphasize verticality and add readable texture to these facades when viewed from the ground / podium. The colour and texture within these lower rise elements relates to both the Tottenham Experience cladding and High Road historic masonry buildings.

They are folded in plan, wrapping around the façade and offset from the 'planar blades'. This wall type features both opaque fixed panels and perforated panels over the opaque openable glass. Though the limit of the openable panels are 30 degrees, this design allows for the option to have the rooms naturally ventilated.

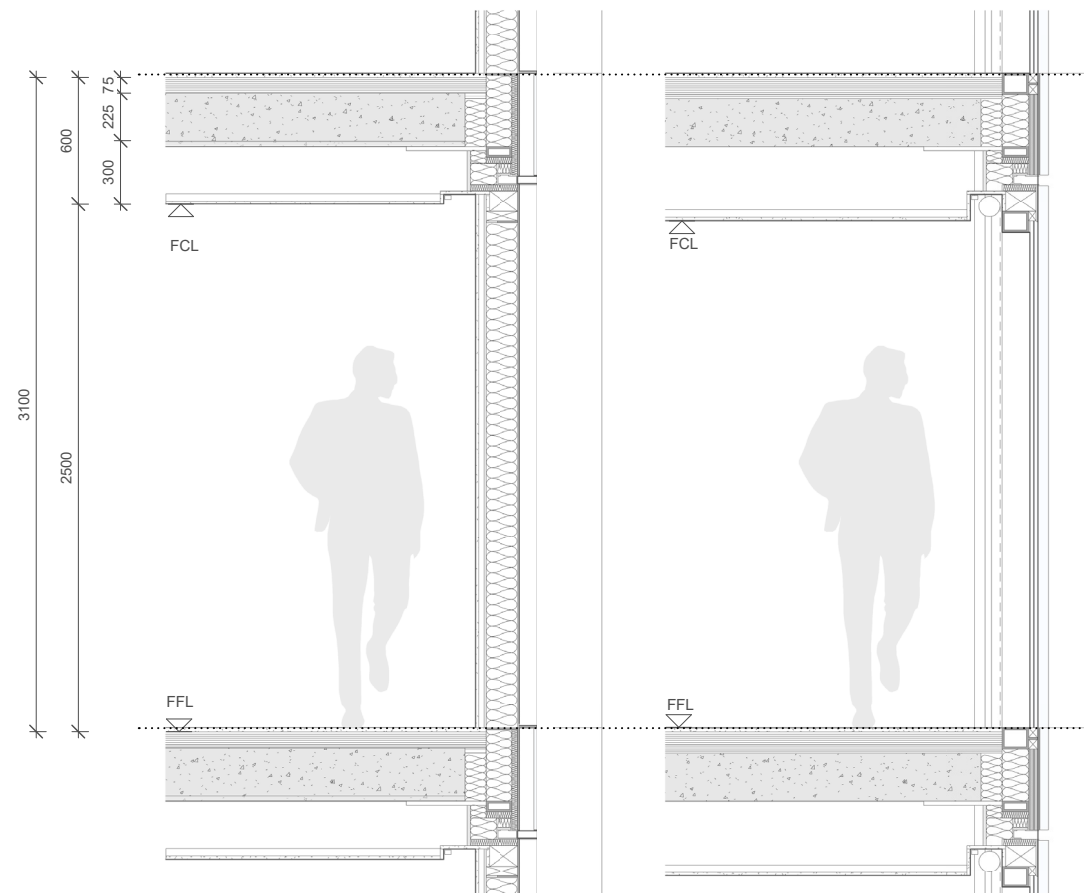


FIGURE 202. Section - Solid Panel

FIGURE 203. Section - Vision Panel

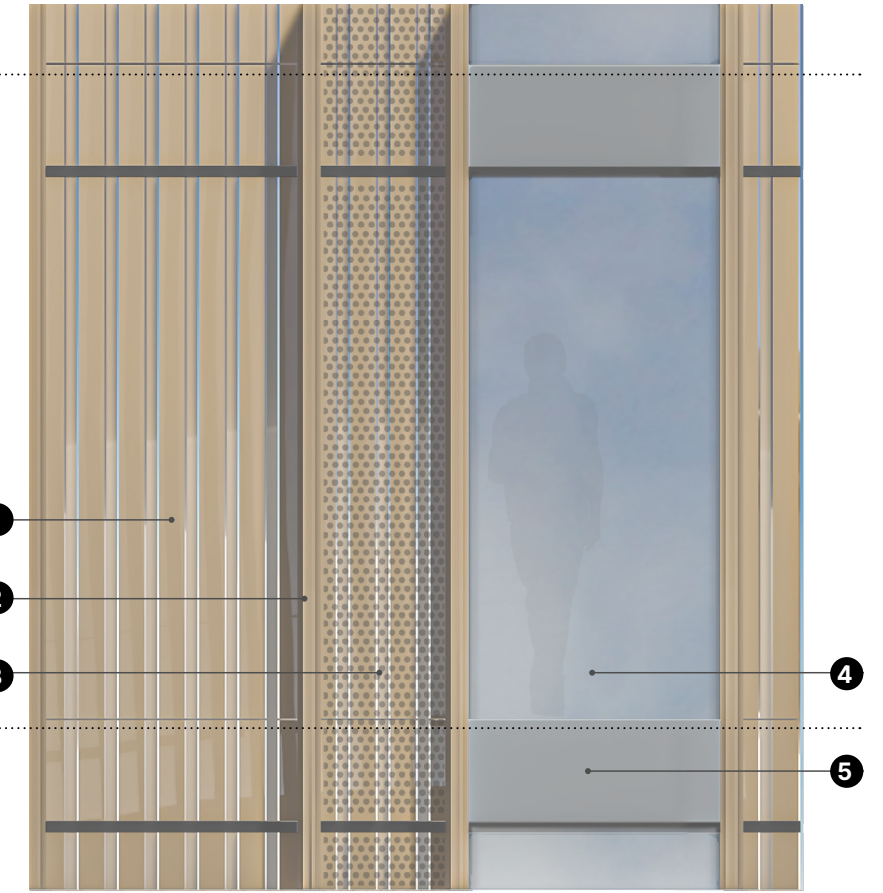
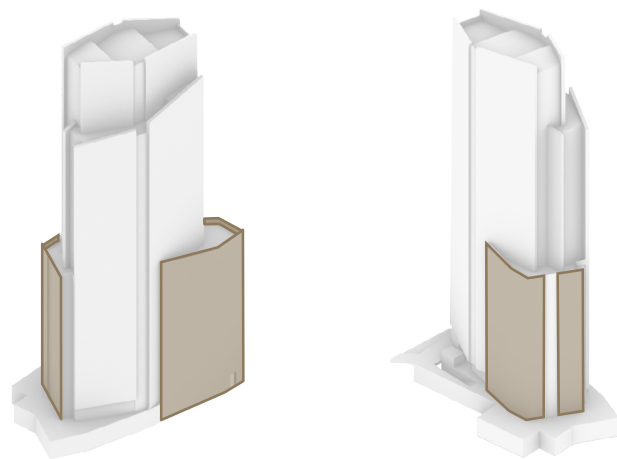


FIGURE 204. Elevation



- ① Bronze coloured profiled aluminium solid panel
- ② Bronze coloured projected aluminium fins
- ③ Bronze coloured profiled aluminium perforated panel over opaque openable panel
- ④ Triple glazed unit, vision panel
- ⑤ Back-painted opaque glass spandrel panel, colour dark grey

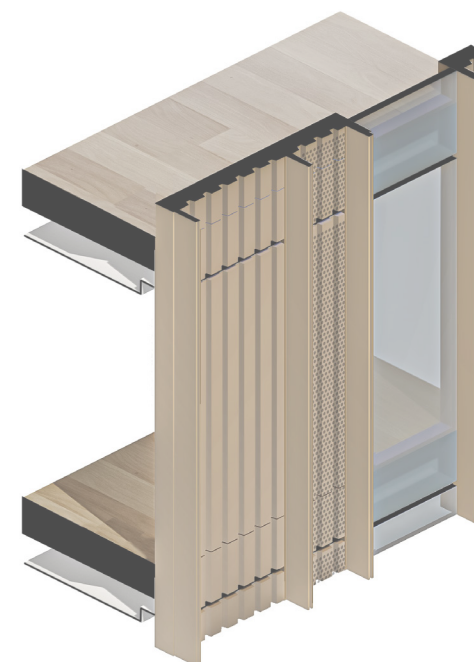


FIGURE 205. Axonometric View

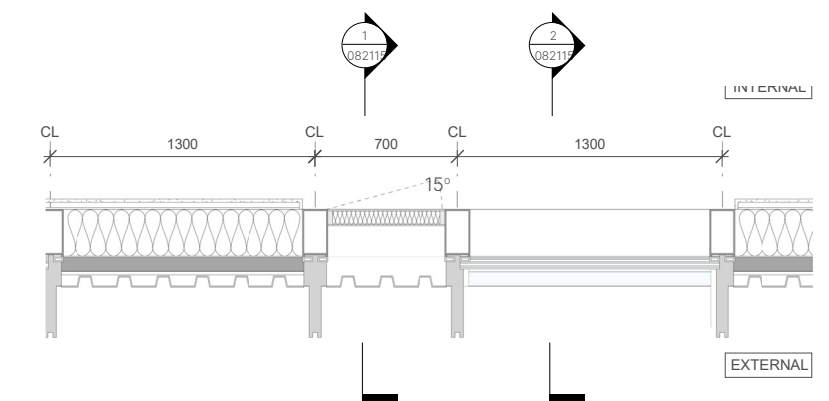


FIGURE 206. Plan

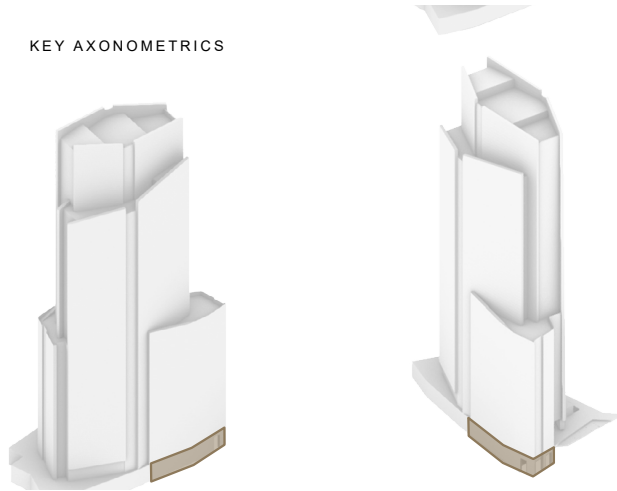
5.7 APPEARANCE - FACADE DESIGN

5.7.8 MAIN WALL TYPE 06 - PRE-CAST CONCRETE PANELS

The pre-cast concrete panels are located at the base of the building. The panels feature a recessed or inverted profile allowing the continuation of the vertical lines of the projecting fins on the building facade above.

The earthy material offers a distinction from the lighter tower elements whilst still matching the colour of the metallic cladding on the 'folding blades.' The pre-cast concrete panels provide a tactile and durable finish at the street / podium level, as a direct response to the crowd and pedestrian movement.

KEY AXONOMETRICS



- ① Bronze coloured profiled pre-cast concrete panels
- ② Bronze coloured projected fin profile
- ③ Triple glazed unit, vision panel

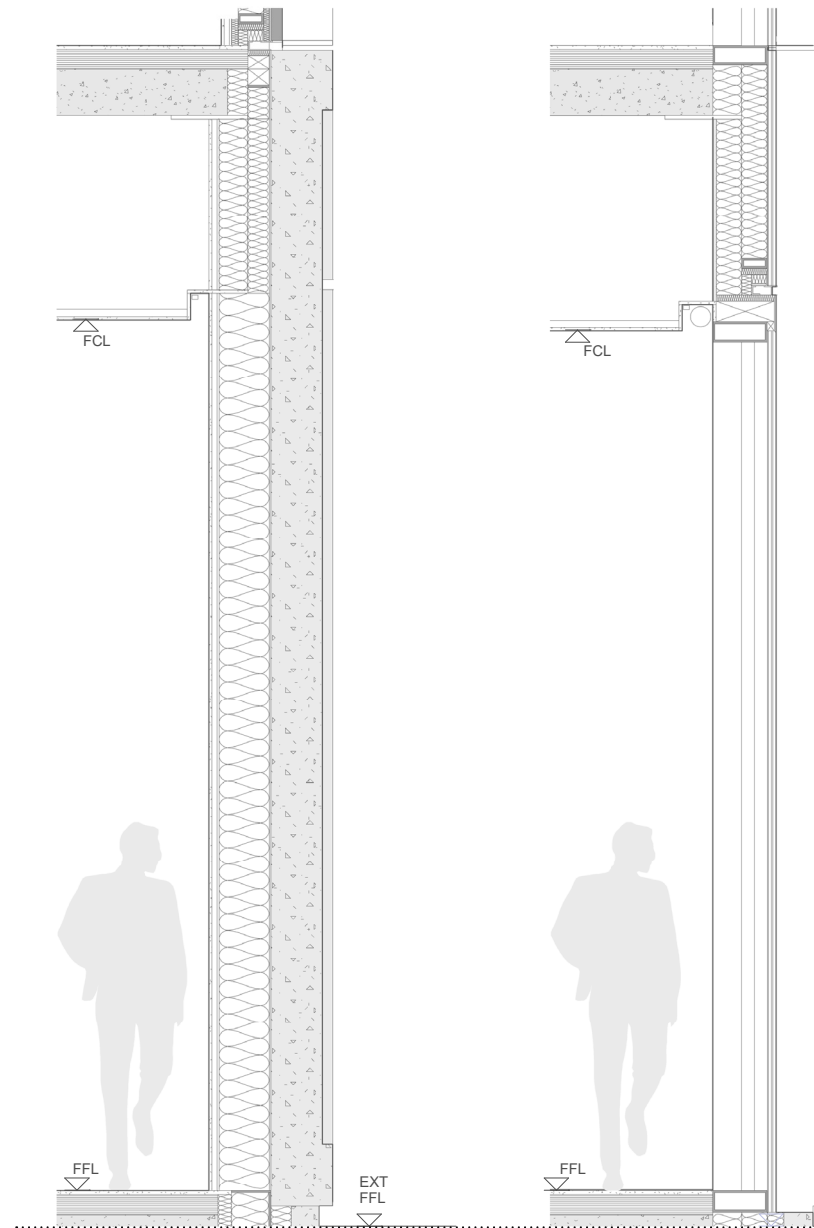


FIGURE 207. Section - Solid Panel

FIGURE 208. Section - Vision Panel

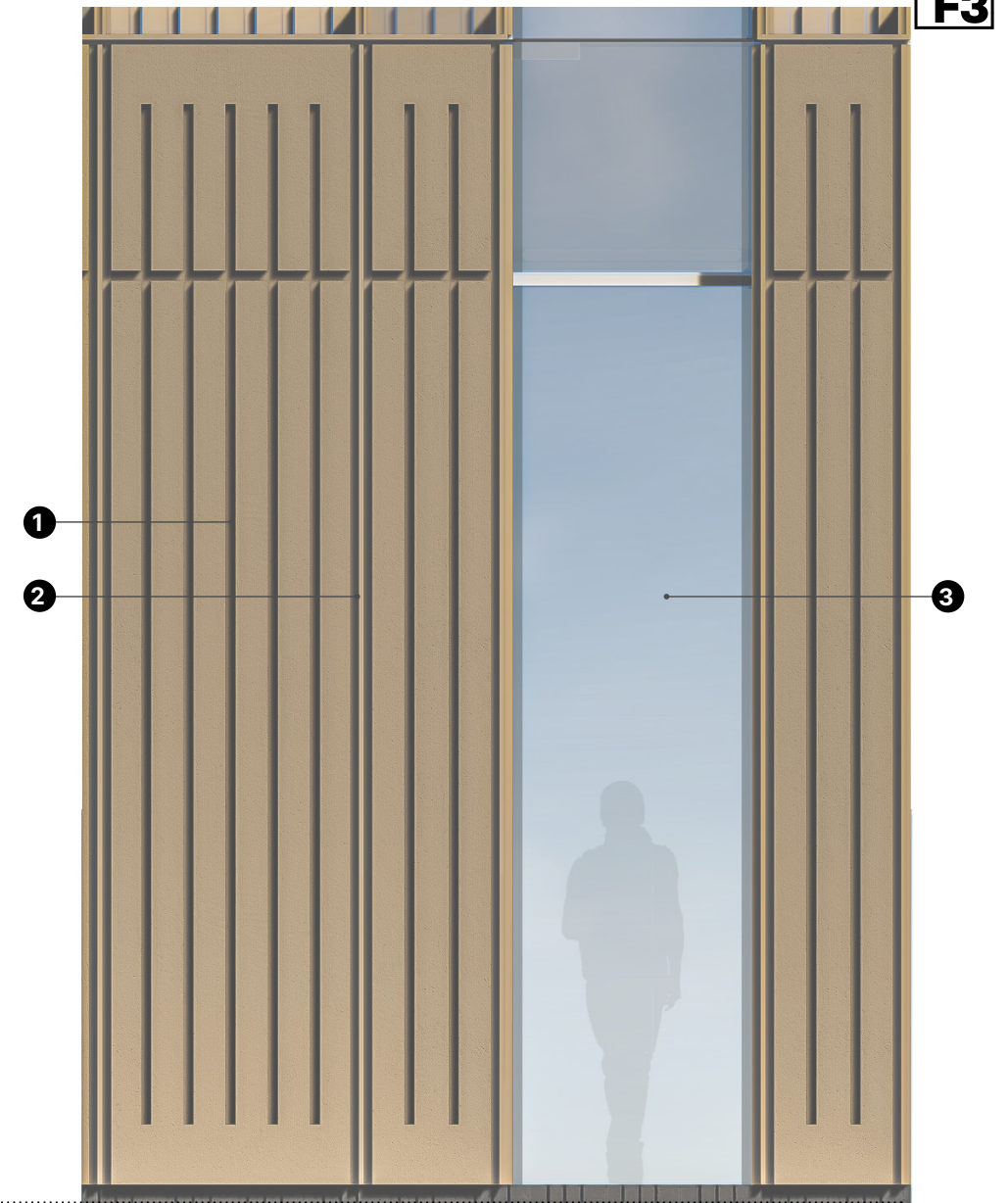


FIGURE 209. Elevation

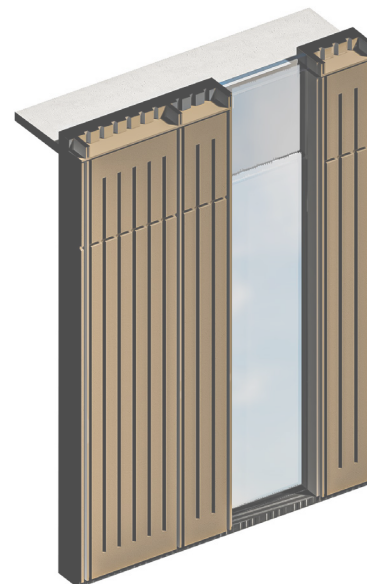


FIGURE 210. Axonometric View

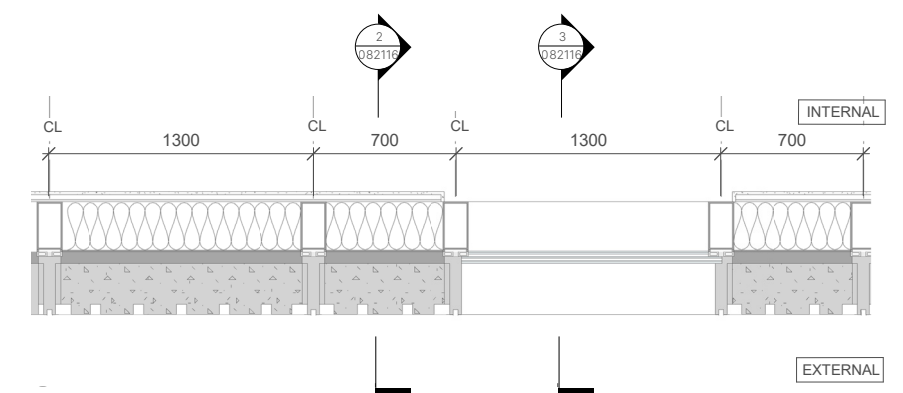


FIGURE 211. Plan