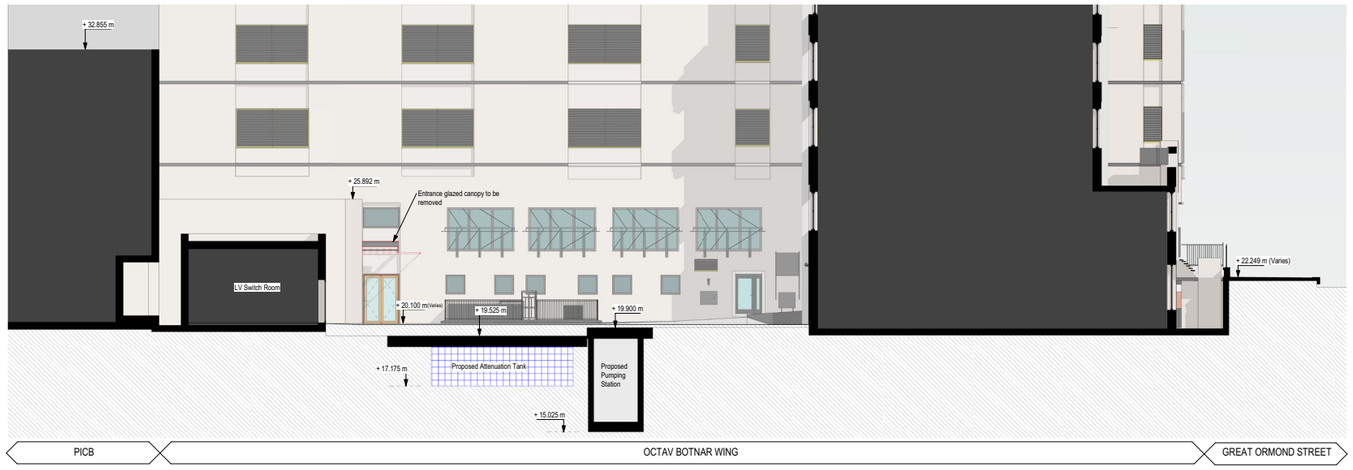
West Elevation

The West Elevation proposals in the site mobilisation phase include:

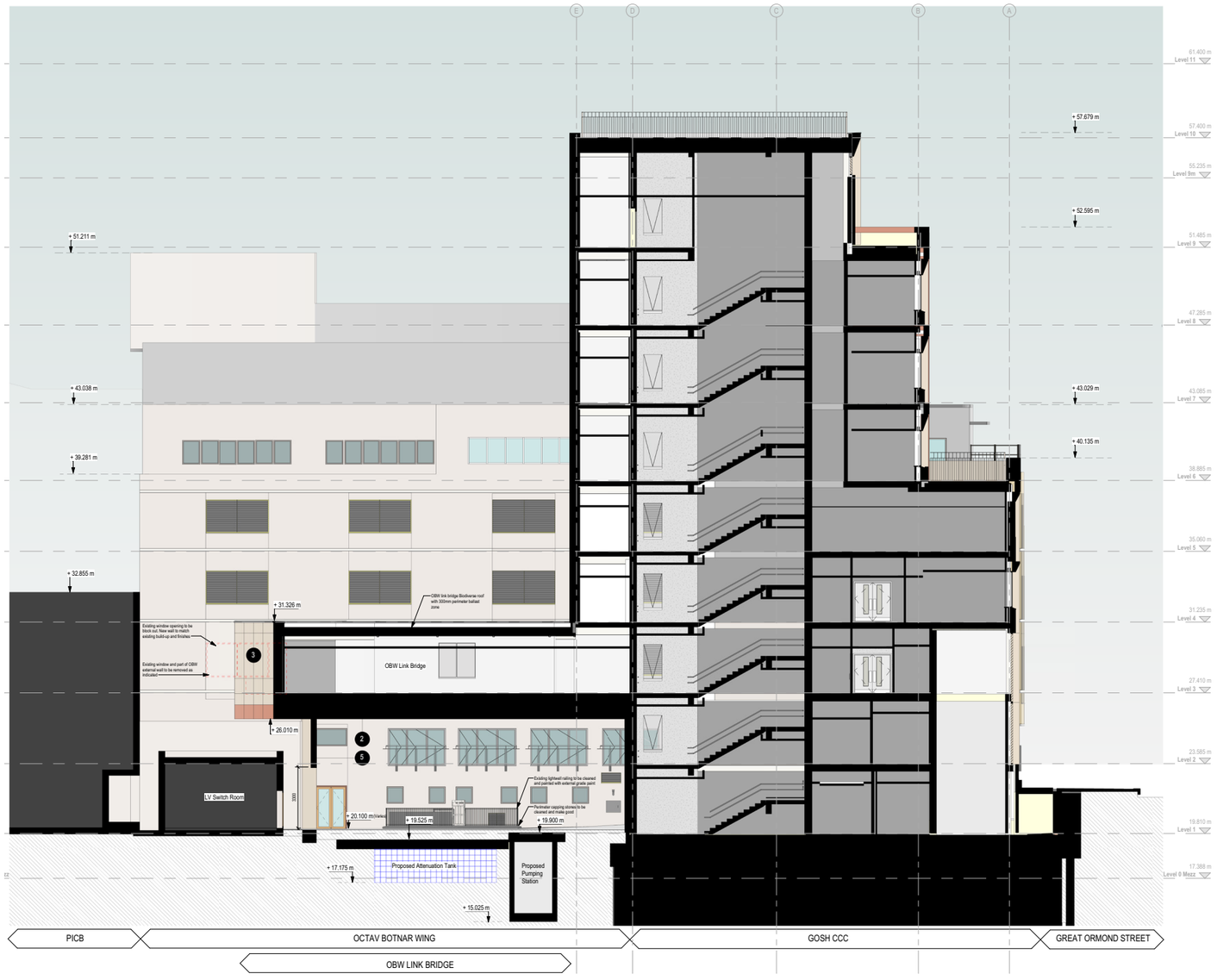
- Installation of subterranean tanks and pumping station, cover slabs and proposed tarmac finish above
- Application of privacy film to sensitive windows facing proposed construction activity

The GOSHCCC West Elevation proposals include:

- Activation of subterranean installations
- Removal of the existing reinforced concrete wall, its glazed canopy and medical gas plant room to its north and replacement with a new supporting wall containing a large plant access door opening (future plant replacement)
- Construction of the link bridge and making good at interfaces with PICB and OBW
- Cosmetic upgrades to the perimeter railings around the services lightwell



Site Mobilisation



Proposal

North Elevation

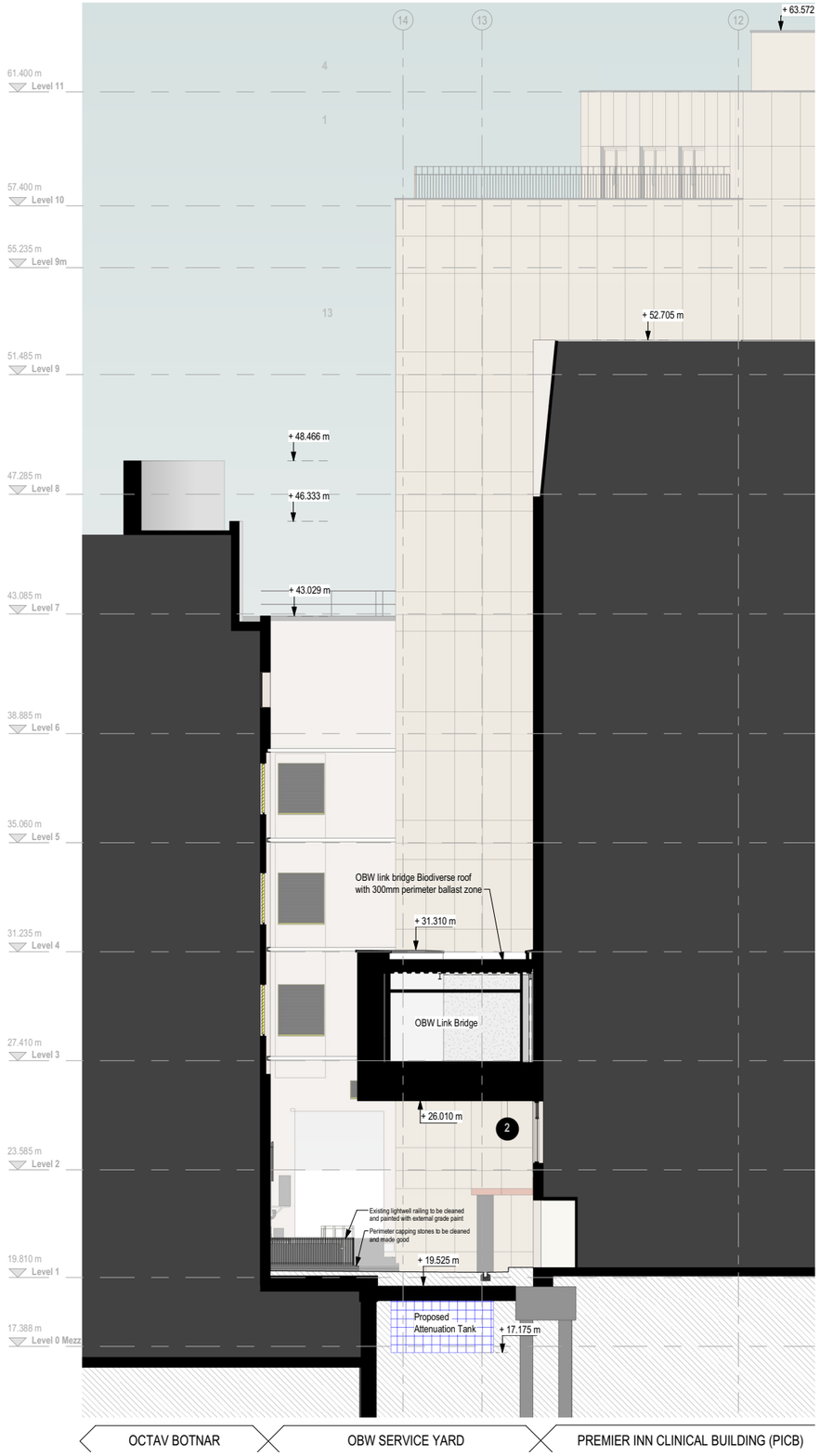
The North Elevation proposals in the site mobilisation phase include:

- Application of privacy film to sensitive windows facing proposed construction activity
- Installation of subterranean tanks and pumping station, cover slabs and proposed tarmac finish above.
- The ducting of an existing louvre on the north facing elevation of OBW to high level to protect it for the duration of demolition works.

The GOSHCCC North Elevation proposals include:

- Removal of the Frontage Building to enable GOSHCCC Construction
- Activation of subterranean installations
- Construction of the link bridge and making good at interfaces with PICB and OBW
- Cosmetic upgrades to the perimeter railings around the services lightwell
- Removal of duct to OBW Louvre (reinstate existing condition)

Site Mobilisation



Proposal

3.3 Engineering Proposals

Structural Engineering

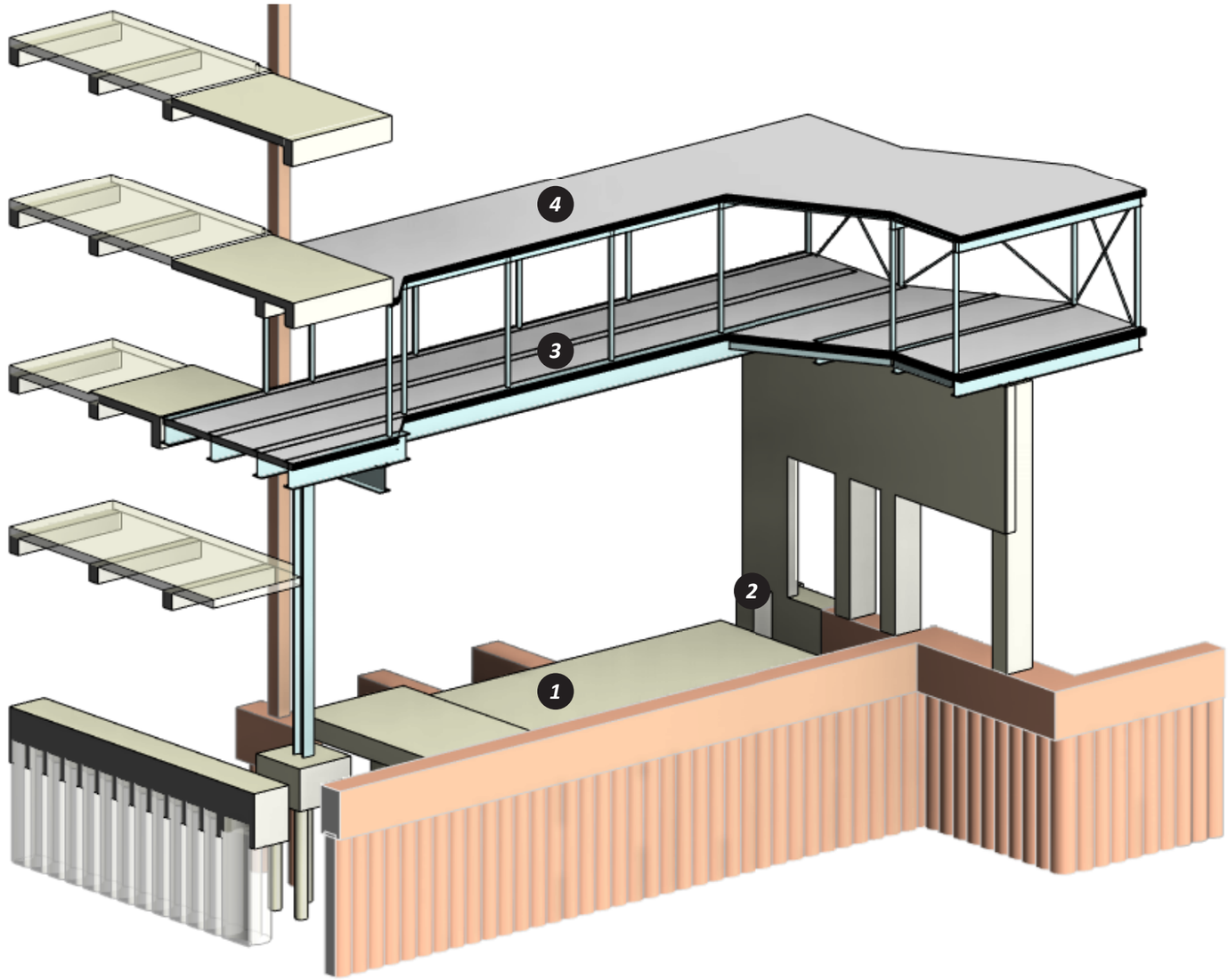
Structural proposals are appended to this document and include:

1. A cover slab to provide support above the proposed subterranean attenuation tanks and pumping station

2. A new RC ground beam that is dowelled into the ground beam of the existing to enable an extended replacement supporting wall structure to the north of the services yard

3. Steelwork proposals to form the single storey link bridge, which span between the proposed GOSHCCC and new supporting wall noted above. It is noted that the piers of the supporting wall have been carefully coordinated to provide a large plant replacement opening in the wall (existing hospital strategy requires the removal of the plant room roof) and the location of these piers informs the angle of the link bridge footprint (right angle turns are undesirable for bed movement)

4. A lightweight steel and composite deck arrangement to form the walls and roof of the link bridge.



Axonometic view of the proposed Link Bridge Structure