7.3 LEVEL 01

The School reception, administration and Head of School areas are reconfigured but retained in their current location in the northern wing, which is considered the most appropriate position to reinforce the School's identity in this part of the campus. A large breakout area is provided at the reception area, connecting directly to the main circulation route through the building and large meeting rooms adjacent. Upgraded staff toilet and shower facilities occupy the south-west corner of this wing.

CATS are located in the eastern side of the existing north-wing, with direct links to the main circulation route, northern stair and new central stair.

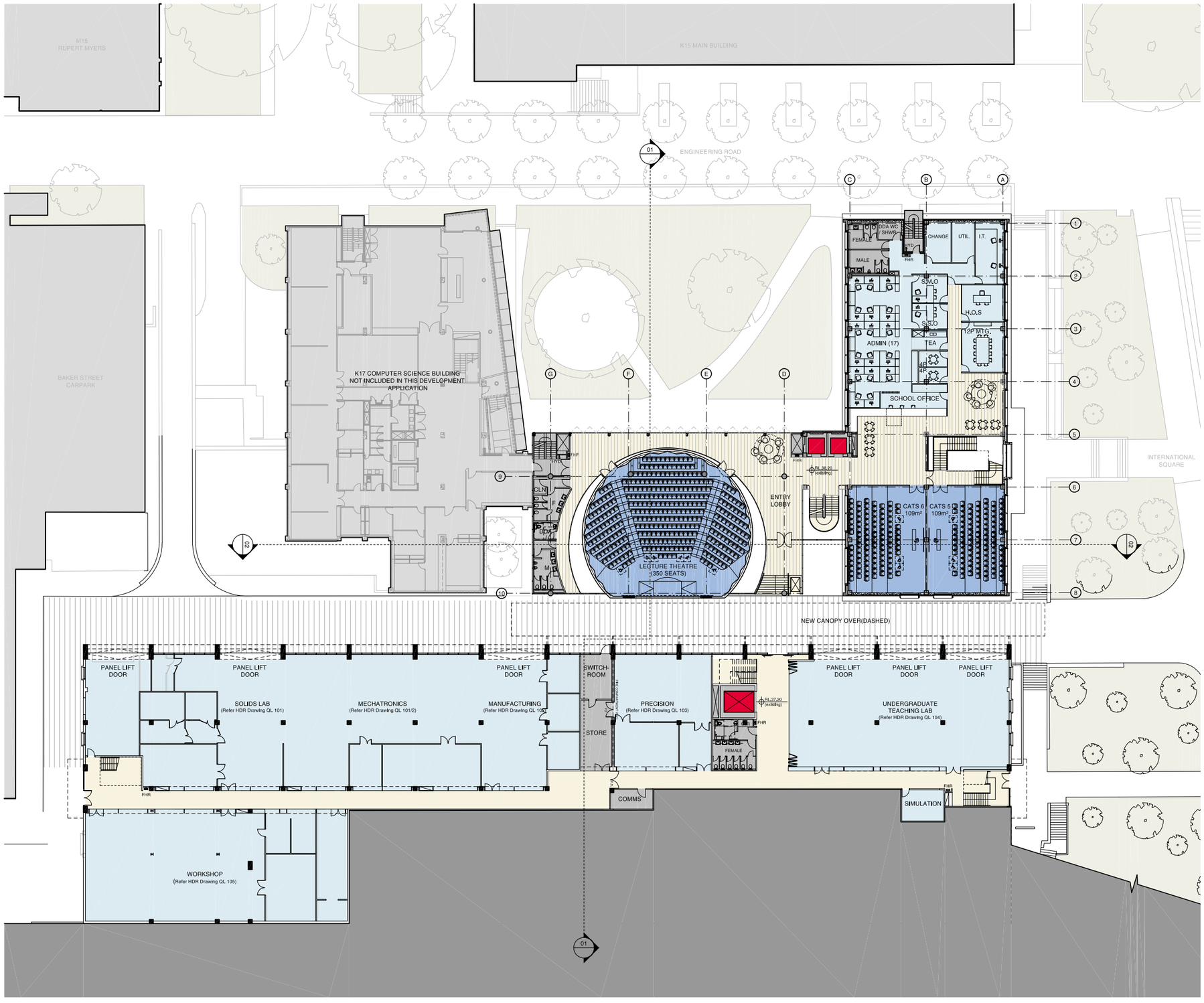
The new south wing houses the upper part of the 350 seat lecture theatre. A student common and circulation to the western edge of this wing provides access to the upper level of the theatre while also linking Building J17 with the adjacent Building K17. Operable glazed walls overlook the John Lions Gardens, providing access to views, natural light and natural ventilation.

A generous connection to Willis Lane is provided in the new wing, allowing seamless circulation between the Willis Annexe, Willis Lane and Building J17. With the new central new stair in Building J17 located adjacent, and the School office nearby, this connection is seen as a key component in linking the School's two buildings (J17 and J18).

Willis Lane is pedestrianised and reworked to provide level access into the Willis Annexe, while a canopy is introduced to allow for weather protection for those moving between the buildings.

A new lift and stair core is introduced into Willis Annexe opposite the connection to J17, while the northern bays of the Willis Annexe are opened up with large panel lift doors and given over to a large Undergraduate Teaching Lab, activating the junction of Willis Lane and International Square.

Large open-plan laboratories are proposed south of the core in Willis Annexe. Extensively glazed on both the Willis Lane facade and on the internal public corridors these labs will showcase the School's research, promote collaboration and introduce daylight and natural ventilation into what was an interior once dominated by enclosed spaces, windowless corridors and limited visual inter-connection with outdoor space.



PROPOSED LEVEL 01 PLAN

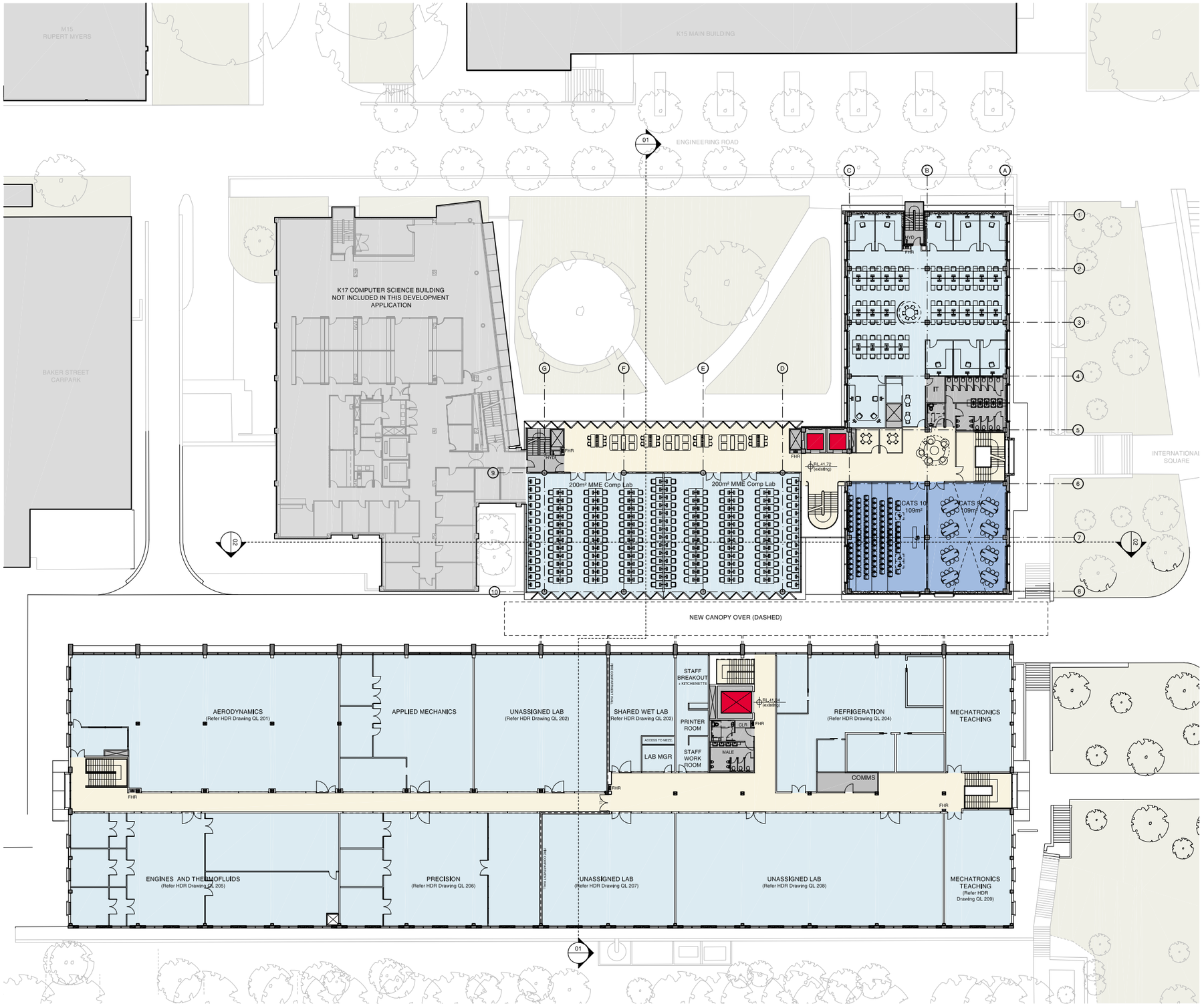
BATESSMART

7.4 LEVEL 02

Level 02 of Building J17 houses an academic area in the western side of the north wing. This area locates academic and research offices along the internal perimeters, allowing open plan, postgraduate (HDR) workstations access to natural light and ventilation. The glazed offices assist in providing high levels of visual inter-connectivity with the open plan workstations. Interspersed with breakout spaces, this layout encourages collaboration between academics, research staff and research students. New toilet facilities occupy the area south of the existing northern stair.

The new south wing is occupied by the School's computer based teaching facilities, while the adjacent student common over-looks the John Lions Garden.

Level 02 of the Willis Annexe is given over to large open-plan laboratories, accessed via a glazed central corridor.



PROPOSED LEVEL 02 PLAN

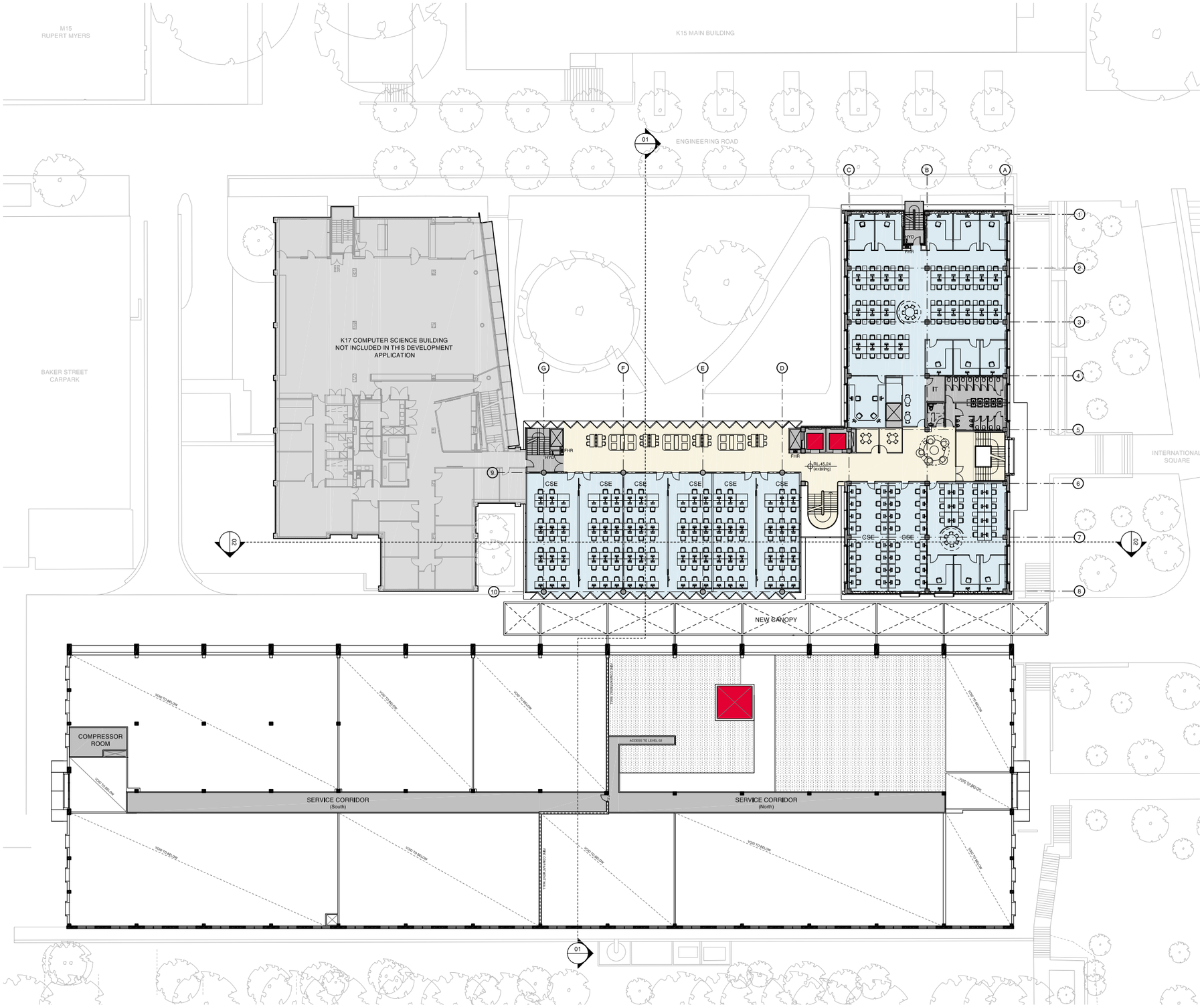
BATESSMART.

7.5 LEVEL 03

Level 03 of Building J17 houses an academic area in the western side of the north wing of J17, and introduces academic areas into the eastern side of this wing. Consultation rooms are located adjacent the lifts to facilitate meetings with academics and undergraduate students.

The new south wing is occupied by Faculty of Engineering computer based teaching facilities, while the adjacent student common over-looks the John Lions Garden.

A service corridor is provided above the corridor of Willis Annexe to provide flexibility in services.



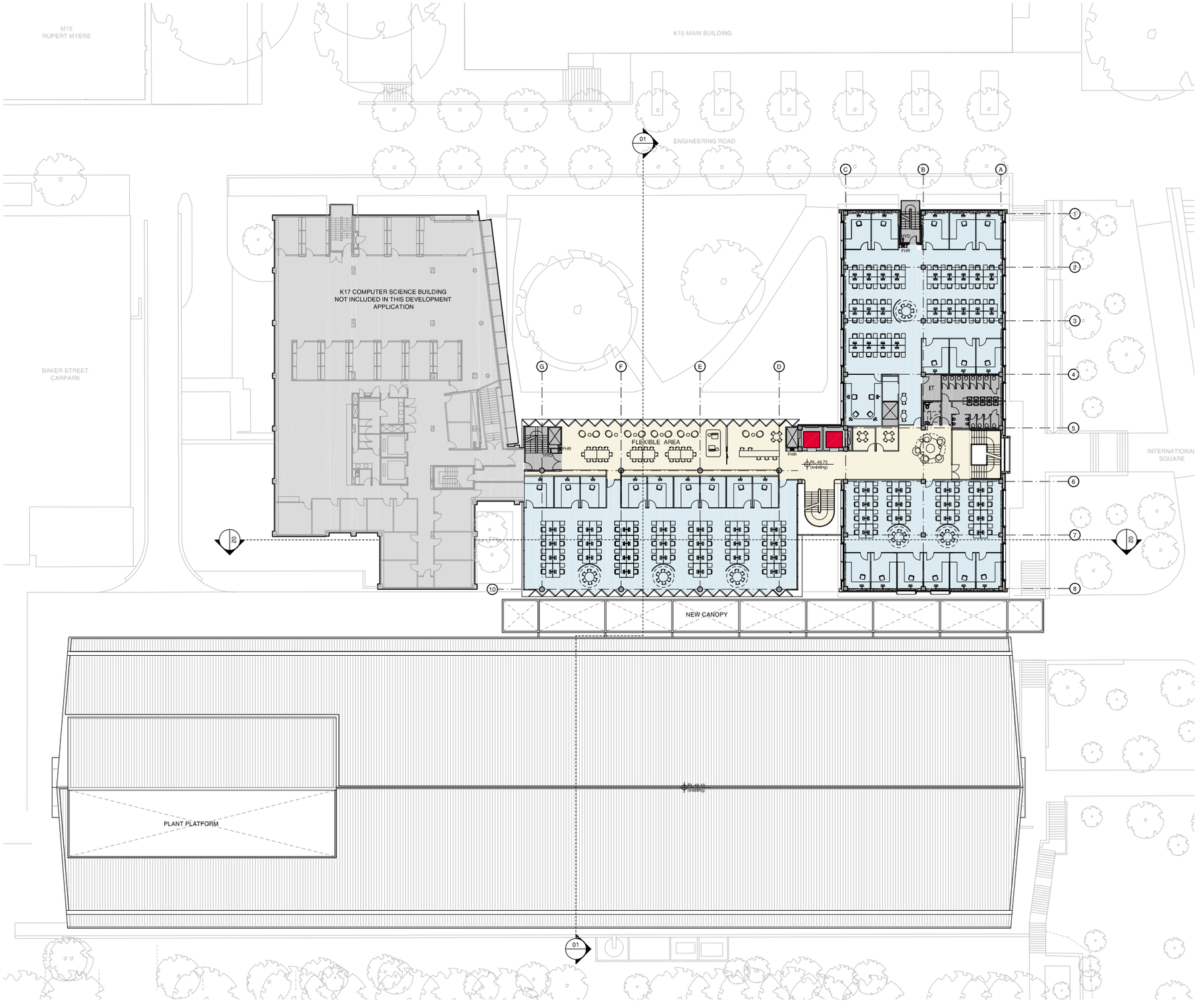
PROPOSED LEVEL 01 PLAN

BATESSMART.™

7.6 LEVEL 04

The proposed refurbishment of 04 provides an academic area to the full north wing of the building.

Academic areas occupy the new south wing at this level, while a flexible staff area, incorporating a kitchenette, meeting tables and informal seating overlooks the John Lions Gardens.

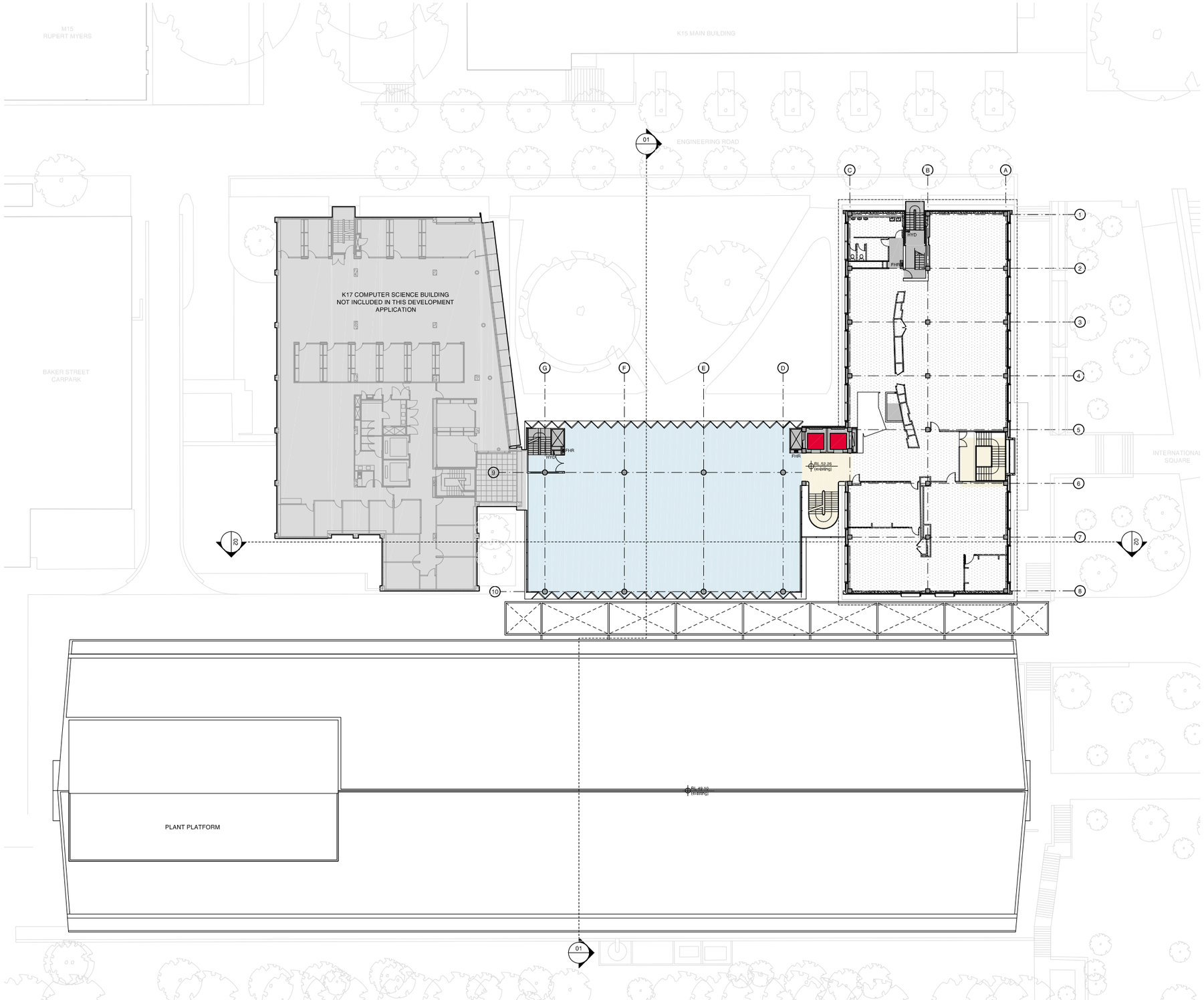


PROPOSED LEVEL 02 PLAN

7.7 LEVEL 05

Housing a design studio and academic area, no change is proposed to the existing north wing of the building, with the exception of the extension of the western stair to provide egress to the roof level.

The new south wing is left vacant, providing the University with flexible space for future expansion.



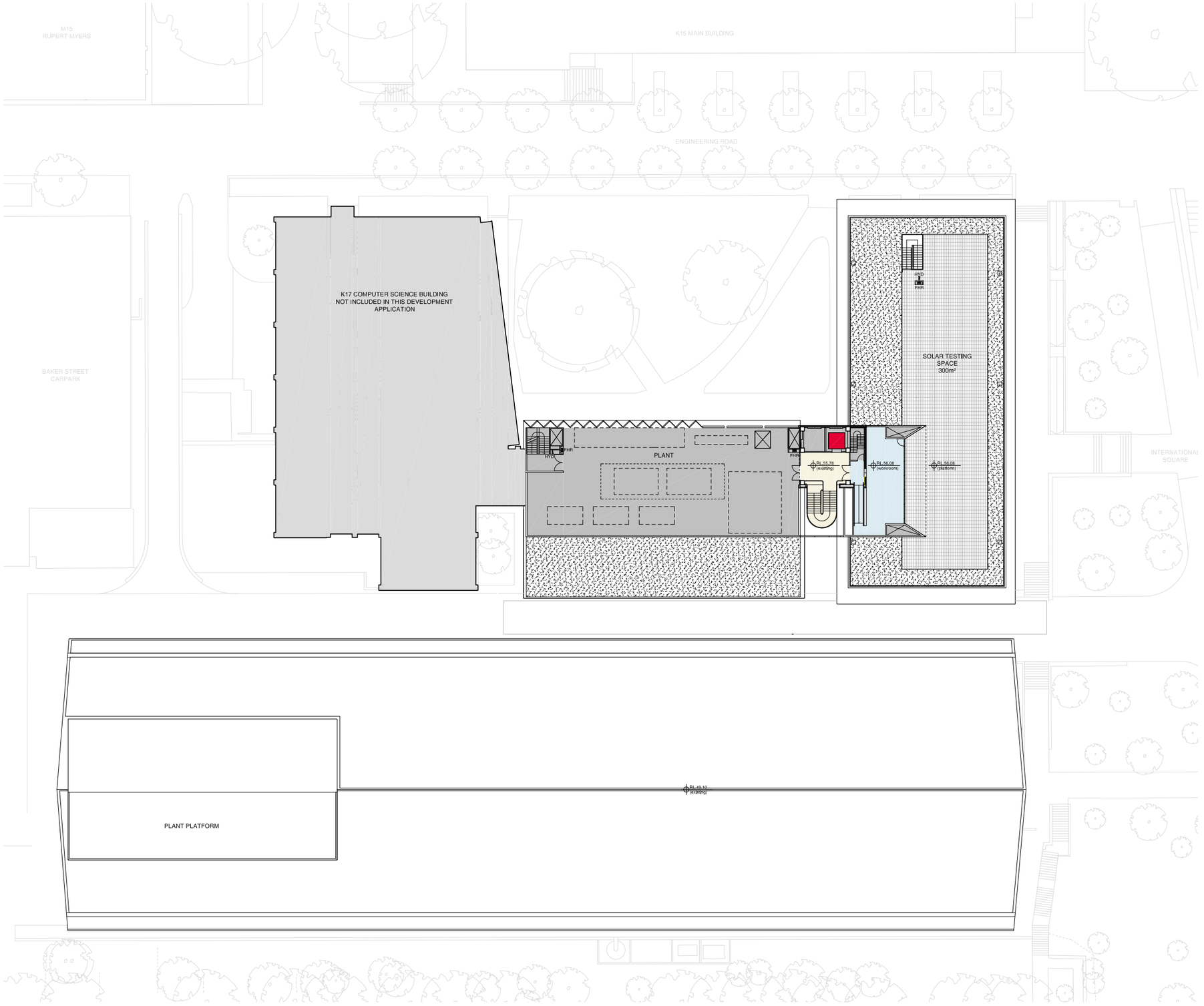
PROPOSED LEVELS 03 AND 04 PLAN

7.8 LEVEL 06

The solar laboratory currently occupying the existing roof level of J17 is reworked to provide for a large flexible laboratory platform, which conceals services and provide for level access. An existing lift is extended, within the existing tower, to the roof level to provide level access to the solar laboratory.

A small workshop/office space is incorporated into the northern end of a new plantroom, providing the solar laboratory with write-up facilities and a control room adjacent the outdoor laboratory.

The new south wing roof incorporates an enclosed plantroom, rationalising and concealing the previously exposed plant equipment.



PROPOSED LEVEL 05 PLAN

7.9 SECTION


1
2
3
3
8
9
Lift core
RL 62.387
Cooling towers
RL 61.280
Plant
RL 61.280
Level 06
RL 55.78
Level 05
RL 52.26
Level 04
RL 48.75
Level 03
RL 45.24
Level 02
RL 41.72
Level 01
RL 38.20
Level 00
RL 34.52

8.0
FACADE AND MATERIALS

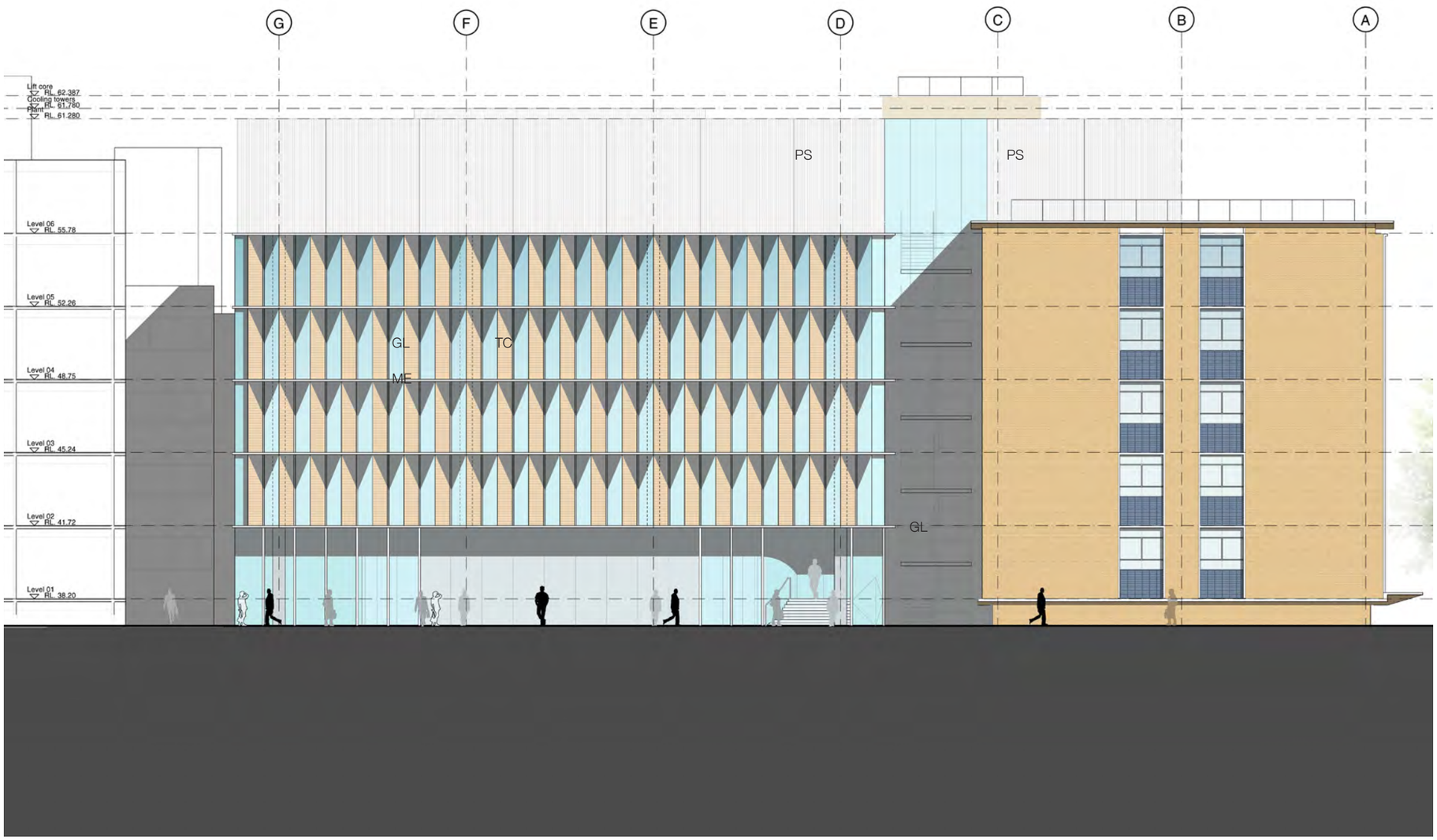
8.0 FACADE AND MATERIALS

8.1 NORTH ELEVATION_BUILDING J17

Facing University Mall, the North Facade is retained with the exception of the ground level facade elements, which are removed and replaced with new, highly transparent glazing. In removing the existing mirrored glazing, and replacing it with transparent a visual connection between the Mall and the John Lions Garden (located between Buildings J17 and K17) is reestablished, and a more welcoming ground level is offered to the Mall helping to activate this pedestrian area.

ELEVATION KEY

GL	Glazing
VG	Vertical slide up glazed panel door
TC	Terracotta cladding
ME	Metallic edge profile
MP	Metallic louvred panels
SD	Glazed sliding doors
PL	Platform Lift
CA	Canopy to Willis Lane
SG	Signage to future detail
PS	Plant room screening - metallic louvres



8.2 EAST ELEVATION_BUILDING J17

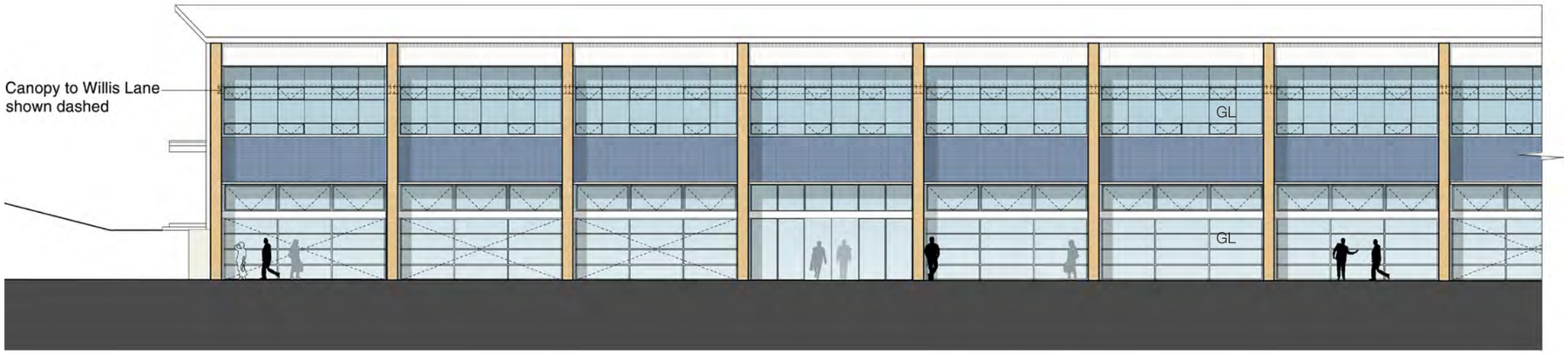
ELEVATION KEY

GL	Glazing
VG	Vertical slide up glazed panel door
TC	Terracotta cladding
ME	Metallic edge profile
MP	Metallic louvred panels
SD	Glazed sliding doors
PL	Platform Lift
CA	Canopy to Willis Lane
SG	Signage to future detail
PS	Plant room screening - metallic louvres

8.4 WEST ELEVATION_BUILDING J17

ELEVATION KEY

GL	Glazing
VG	Vertical slide up glazed panel door
TC	Terracotta cladding
ME	Metallic edge profile
MP	Metallic louvred panels
SD	Glazed sliding doors
PL	Platform Lift
CA	Canopy to Willis Lane
SG	Signage to future detail
PS	Plant room screening - metallic louvres



8.5 WEST ELEVATION_BUILDING J18

ELEVATION KEY

GL	Glazing
VG	Vertical slide up glazed panel door
TC	Terracotta cladding
ME	Metallic edge profile
MP	Metallic louvred panels
SD	Glazed sliding doors
PL	Platform Lift
CA	Canopy to Willis Lane
SG	Signage to future detail
PS	Plant room screening - metallic louvres