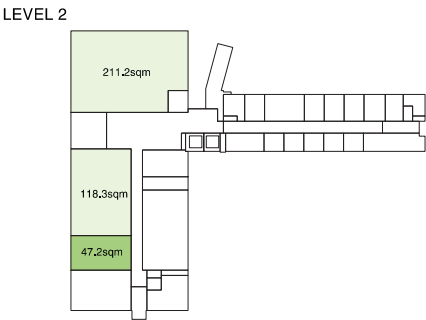


5.0 DESIGN DESCRIPTION

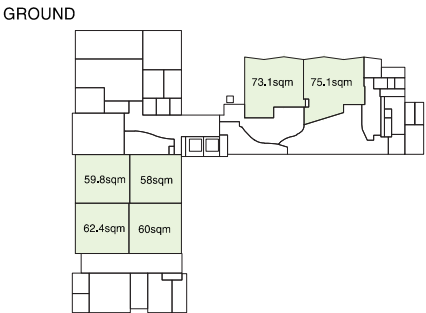
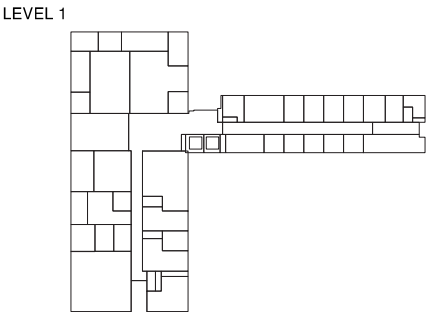
BUILDING J17 - TEACHING

The Centrally Allocated Teaching Spaces (CATS) are located on Levels 3 & 4, requiring external students to walk through the building. UNSW policy is to locate CATS on the ground floor. Computer Laboratories are located on the Ground floor, limiting the activation of this level, as well as Levels 2,3 & 5.

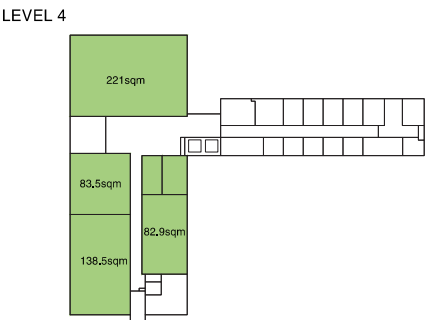


Teaching:
Computer Lab

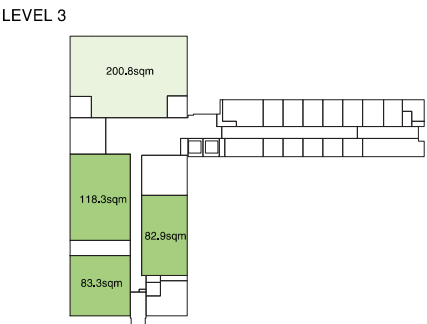
CATS:
Tutorial Room
Lecture Theatre



Teaching:
Computer Labs

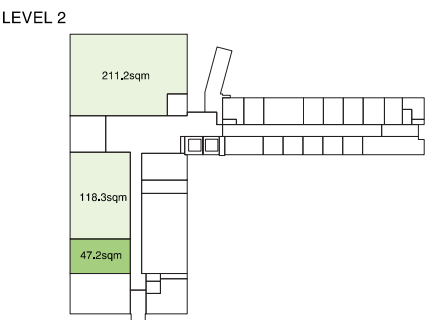


CATS:
Lecture Theatres



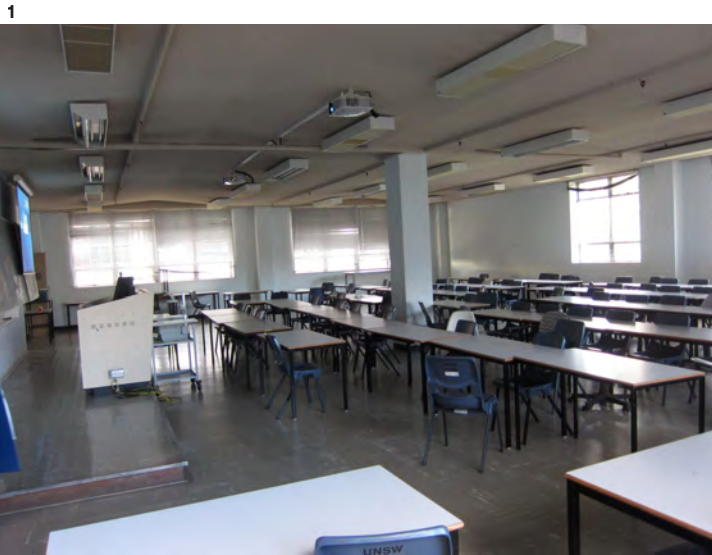
Teaching:
Computer Lab

CATS:
Tutorial Room
Lecture Theatre



Teaching:
Computer Lab

CATS:
Tutorial Room
Lecture Theatre



1/ Image of J17 CATS
2/ Image of J17 CATS

CATS

Teaching

3.3 BUILDING ANALYSIS

BUILDING J17 - CIRCULATION/AMENITY

The narrow ‘L’ shaped double loaded corridors provide an efficient circulation, however lacks opportunities for social interaction, informal learning and collaborative space associated with modern learning.



1/ Image of J17 foyer
2/ Image of J18 corridor

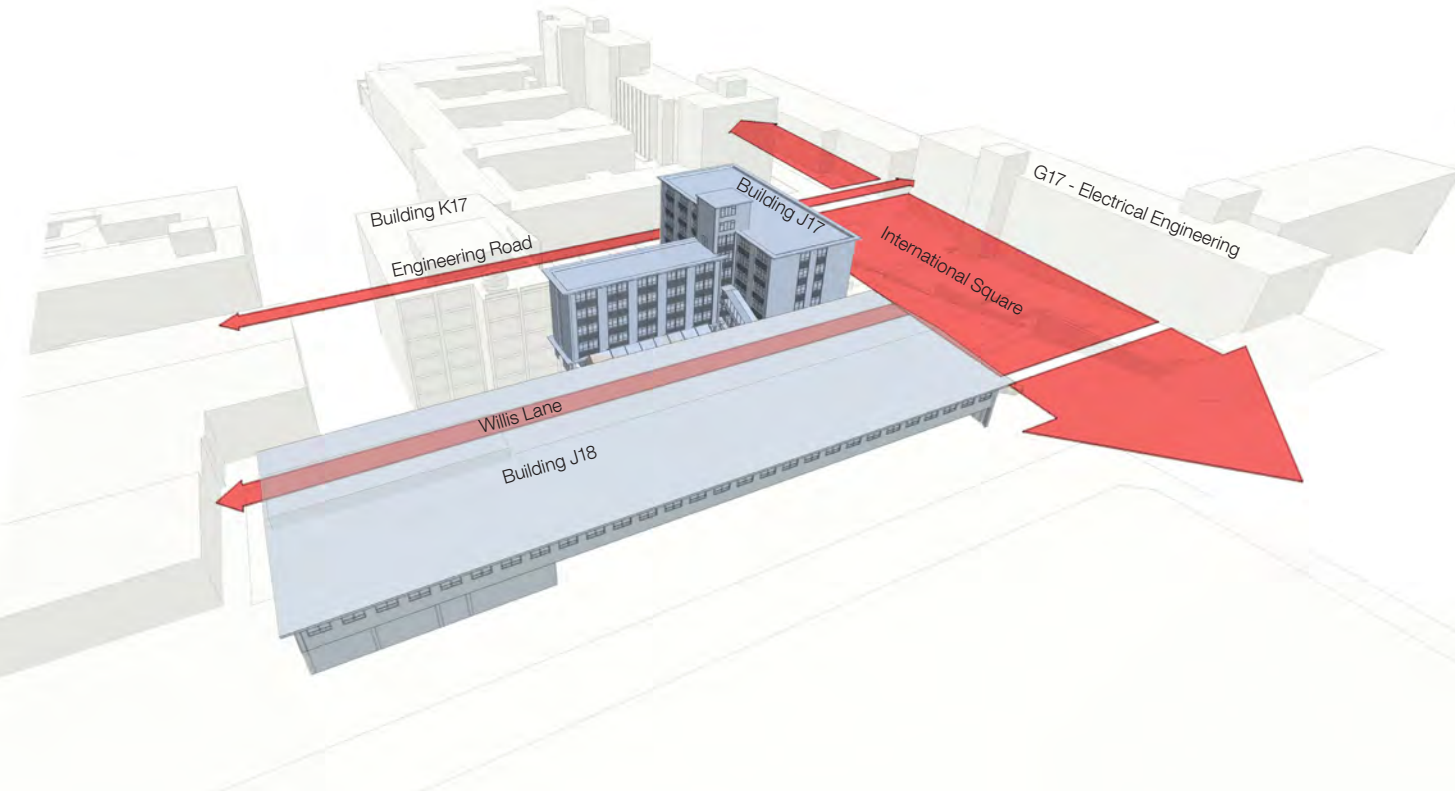


4.0 SITE ANALYSIS

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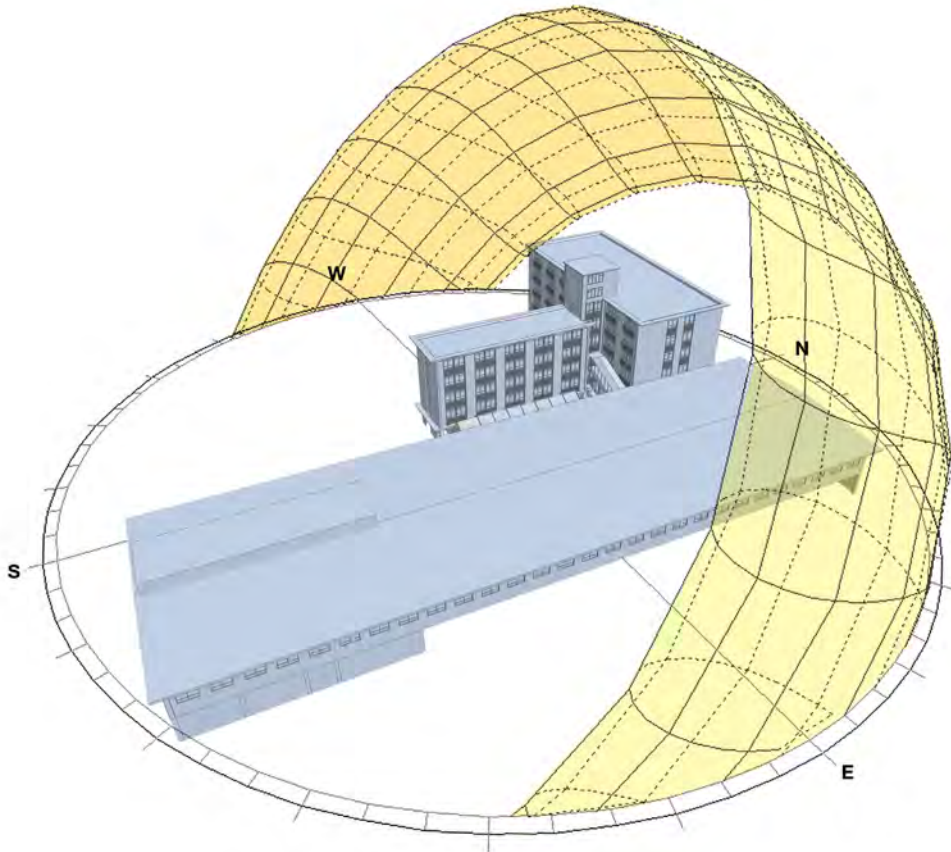
4.1 CONTEXT

J17 & J18 both have their main frontage to the University Mall, defining the southern edge of International Square, which is framed by G17 Electrical Engineering on the north side of the Mall. Willis Lane separates J17 & J18 and is currently used as a service lane. The 'L' shaped J17 frames a courtyard with K17 that faces Engineering Road.



4.2 SOLAR ANALYSIS

The northern wing of J17 has a east-west alignment, with its long elevations facing north to the Mall and south to the courtyard. The south wing of J17 & J18 have a north-south alignment and thus face predominantly east and west.



4.0 SITE ANALYSIS

4.3 TOPOGRAPHY

A significant fall occurs across the site from east to west, with the site falling 11m from Willis Street to Willis Lane. The falls results in J18 Willis Annex being partially used as a retaining structure on its east face. The site then continues to fall another 4.5m from Willis Lane to engineering Road. A retaining wall of approximately 3m on the western edge of Willis Lane accommodates the majority of the fall, while a fall across the courtyard and a small retaining wall to engineering Road accommodate the remainder.

4.4 LEGACY BUILDINGS

The buildings for the Schools of Mechanical and Electrical Engineering are part of the legacy of the UNSW campus, and represent the thinking for academic engineering buildings at the time. As such they are an important part of the history of the UNSW Campus, and indeed as a suite of buildings from the same period form an important precinct. The buildings frame International Square on the Mall and front engineering Road.

