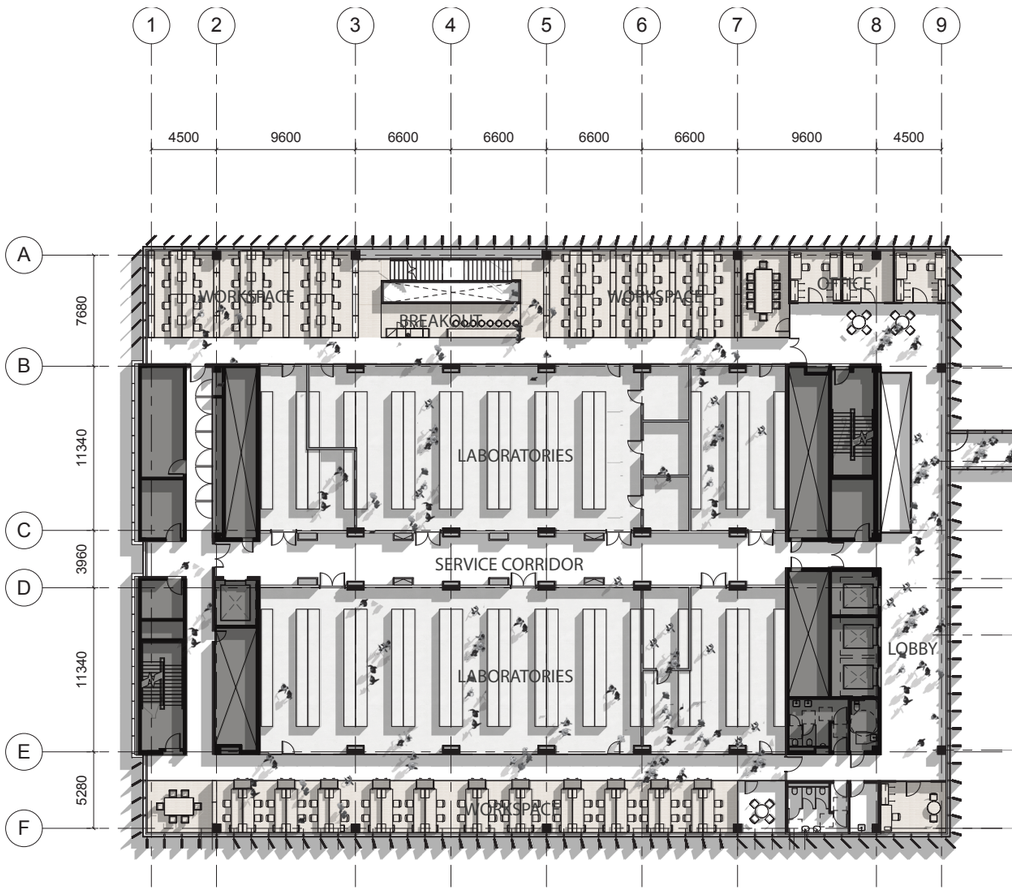
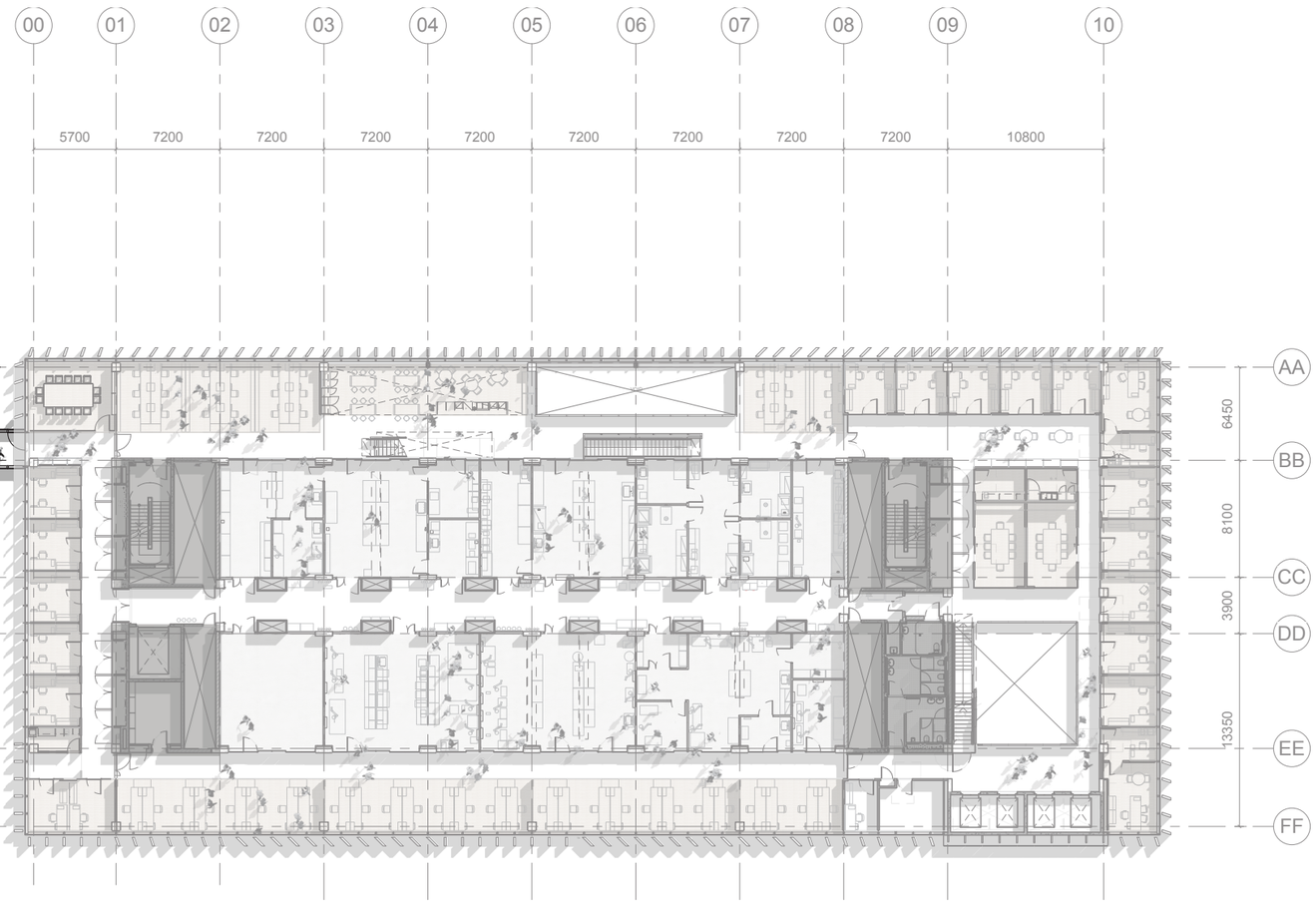
SCIENCE AND ENGINEERING BUILDING



MATERIAL SCIENCE AND ENGINEERING BUILDING

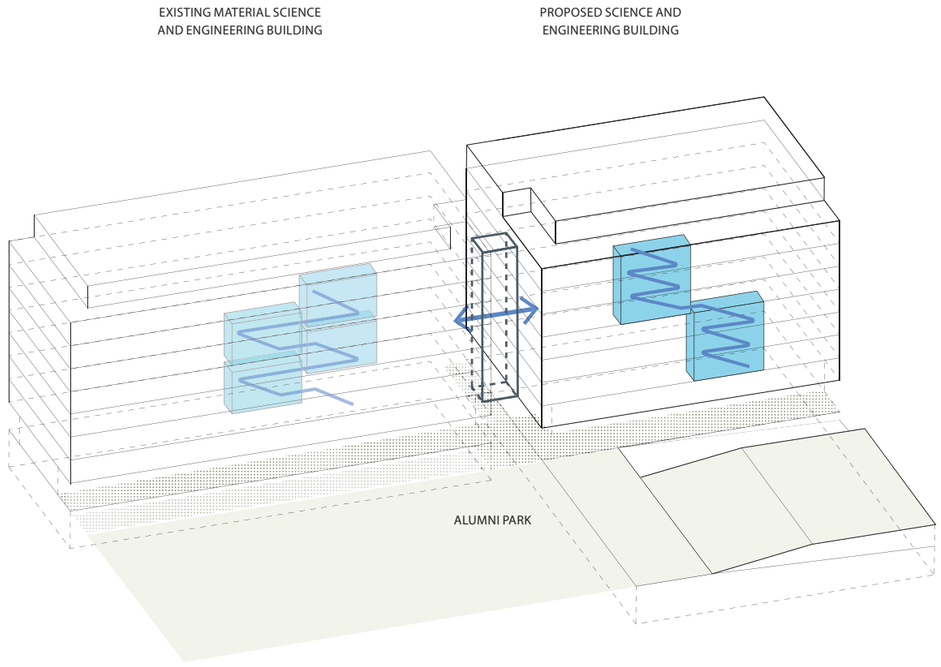


TYPICAL UPPER FLOORPLATE NOT TO SCALE

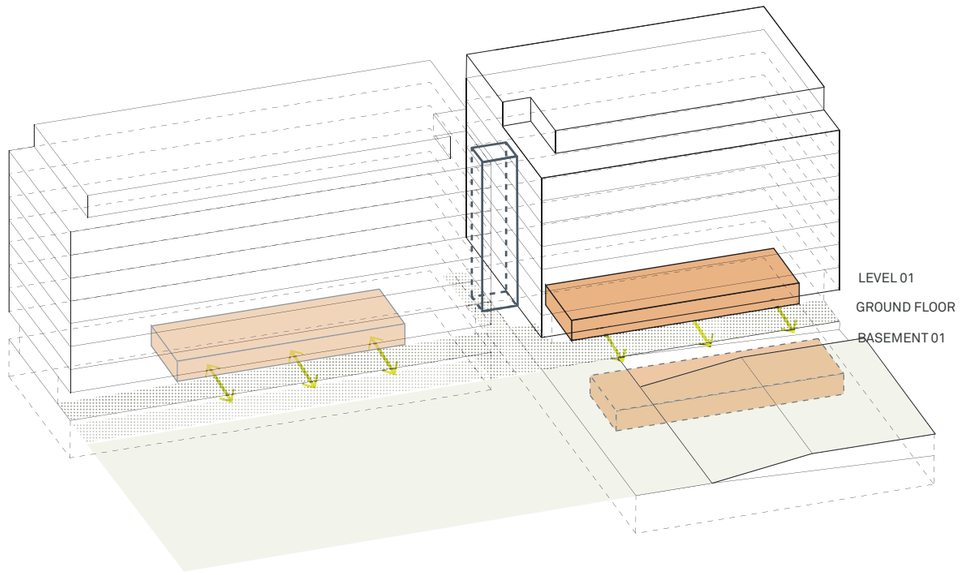
4.2 Collaboration Strategy

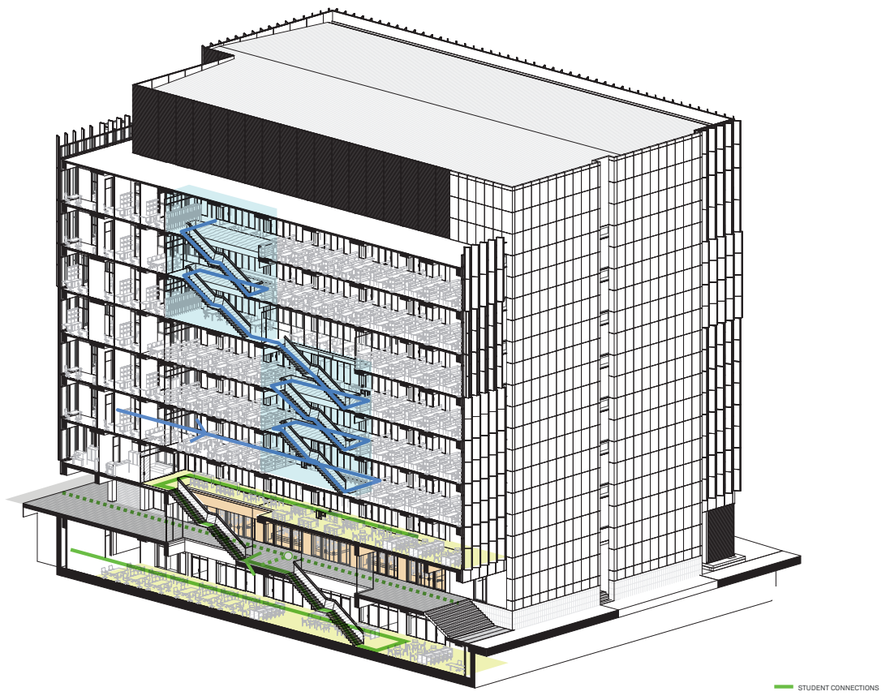
Principles of MSEB are adapted to foster communities as the basis of collegiate spirit. The narrow office zone creates a concentrated spine of population, emphasizing proximity and accessibility. Similar to MSEB a distribution of pocket voids along the northern edge opens up visual connections between the floors and forms places for hot desks and breakout immediately adjacent to offices and laboratories.

Interconnection between the two buildings will be provided via a bridge link on every level which will enable sharing of infrastructure and break-out spaces. The bridge link allows to extend the lobby of the new building over both buildings as a shared public zone with academic offices located on either side. Existing break-out spaces and meeting rooms in MSEB will be used by both buildings allowing for interaction and collaboration between the three schools.



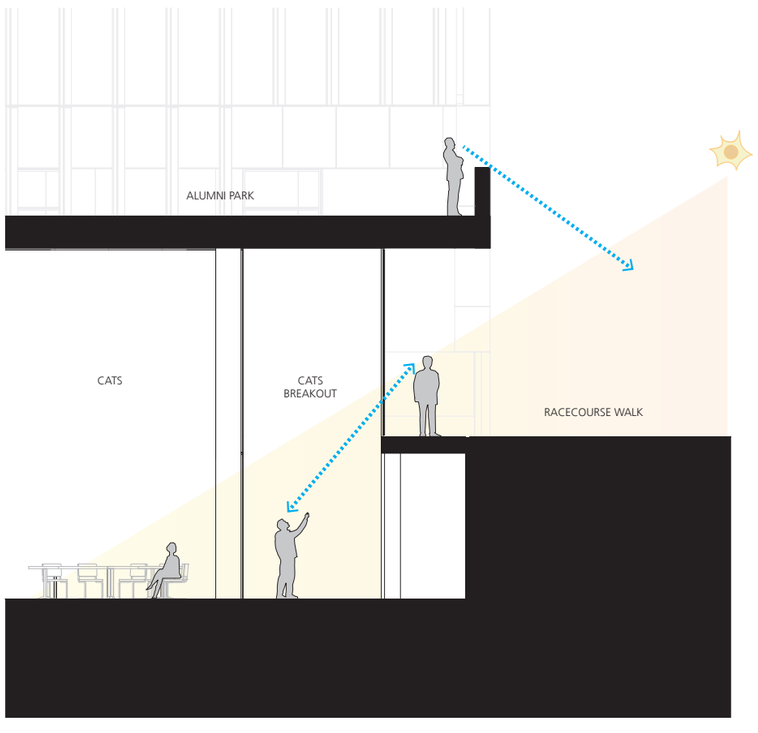
COMMUNITY SPATIAL STRUCTURE



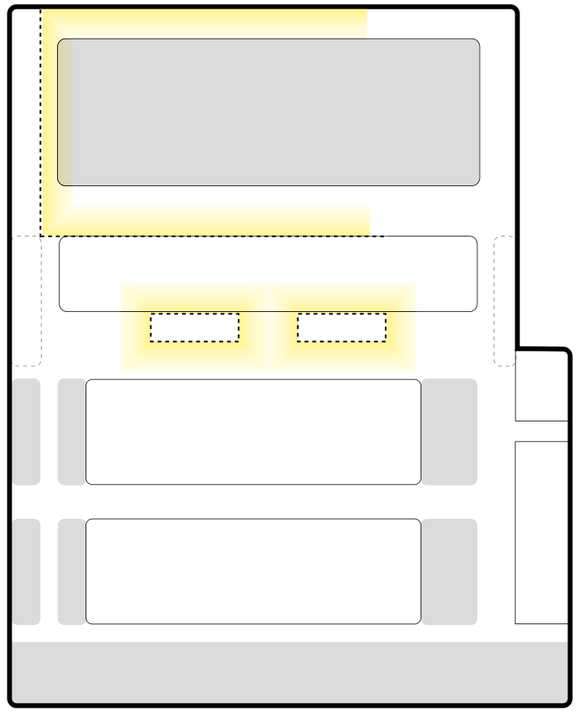


CATS INTEGRATION IN CAMPUS

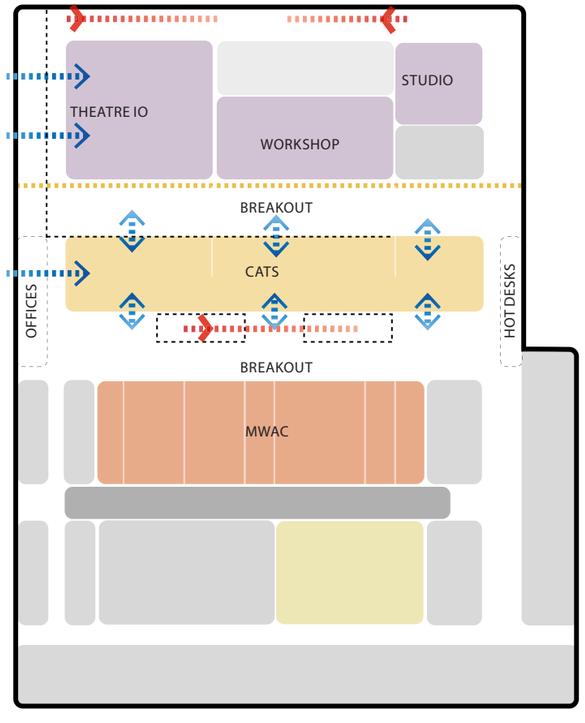
Campus wide class rooms and lecture theatres as well as the teaching spaces for the school of Chemical Engineering will be located on the lower levels of the building which allows direct access for large numbers of students from the ground floor. The covered walkways along College Walk and Racecourse Walk floor will have direct visual links to the CATs (centrally allocated teaching spaces) on the ground floor and the lower ground which will activate the ground plane and foster interaction. The campus wide student spaces on the lower ground floor will address the need for additional teaching and learning spaces on the lower campus. The Learning Environments unit is currently working on a student-led space plan for the University's Kensington and Paddington campuses. Designed to support both informal and formal learning experiences, these spaces provide opportunities for students and staff to collaborate and interact. Multiple forms of engagement including collaborative group work, technology-enabled studies and experimental spaces will be provided to support students in their activities throughout the day. Located on the lower ground floor natural light will be provided via high-level glazing on three sides of the building.



VIEW CONNECTION AND DIRECT SUN LIGHT



BASEMENT DIRECT SUN LIGHT



CAMPUS ACCESS AND VIEW CONNECTION