

4.3 Vehicular Access and Service

Vehicular access to the new loading area on Union Road is proposed via a circular route from Gate 2. It allows access for an Articulated Vehicles to the new Bulk Gases Fill point on the ground floor of SEB and preserves access to the existing Liquid Nitrogen tank in MSEB.

The Precinct Chemical Store as part of the proposed Science and Engineering Building will interface with the requirements of adjacent buildings. It will provide facilities for a shared store for Chemicals and Gases, consumables and equipment for Laboratories that will be used in G11/MWAC, MSEB and SEB. The Precinct Store will be split between basement level and ground floor while chemical stores and bulk gases tanks are located on the ground floor and dry stores in the basement.

The combined delivery and loading area of SEB and MSEB defines a dedicated back-of-house zone on Union Road. Two loading bays for medium rigid vehicles will be provided to allow for off-street unloading. The goods lift in the South-Western Core will service all floors of SEB. Large equipment will be moved with a folk lift or trolley from the loading bay to the goods lift.

4.4 Accessibility

The new Science and Engineering Building sits within a significant pedestrian traffic route connecting the future Light Rail Stop with the upper campus and Gate 2 with the Mall. At the intersections of these two main connections the new lobby provides access to the new building and the existing Material and Science building. Strategically the position of the lobby between the two buildings services researchers from both building and takes advantage of beneficial adjacencies. Students will be able to directly access the teaching levels on the ground floor, the lower ground floor and on Level 01 from the colonnade which forms part of College Walk. Accessible access from Gate 2 to the lobby and to Union Road is provided along the North-South pedestrian passageway while a ramp parallel to College Walk overcomes the level change from Racecourse Walk to Alumni Park.

Aside from the main building lobby the entrance on Third Avenue provides direct access to the public performance spaces on the lower ground floor where an acoustic and spatial barrier to the teaching and learning spaces is desired.

