

20 September 2017

**Graham Jahn AM**

City of Sydney  
Town Hall House  
456 Kent Street  
Sydney NSW 2000

Dear Graham,

**Development Application for Inner Sydney High School (SSD 7610)**

Northrop, as the vertical transport consultant working on the Inner Sydney High School development provide the following discussion around the comments provided by City of Sydney.

**Lifts and Equity of Access**

In order to mitigate the impact of high rise vertical circulation in education facilities, the vertical transport strategy has been developed to promote alternate circulation usage in addition to supplementary movement from three-off lifts.

Of the three main lifts (Lift 1 -3), three floors are being designated "Destination Floors" (in addition to the Ground Floor entrance). These floors are freely accessible via lifts for all students, without the added requirement of swipe cards. These Destination Floors are Level 1, Level 4 Terrace and Level 8 Terrace.

In order to ensure the school is able to accommodate students with low and/or difficult mobility, non-destination floors are to be accessible via swipe card. As each student will have a swipe card for the building, students (and staff) in this category (overall 1-2% of the student body) will have swipe cards with the ability to:

- a) Call the lift from any floor;
- b) Use the lift to access any floor;

The operational flow of the building is intended to function as the following two examples. Student A is able to freely use stairs in the building, with Student B only able to use wheelchair accessible areas.

**Student A:** Enters the school via Ground Floor to attend a Period 1 class on Level 9. Student A calls the lift and is able to take it up to Level 8, then using circulation stairs to access their class on Level 9. For Period 2, the student leaves their class on Level 9, takes stairs down to Level 8 to call a lift to Level 4. Once on Level 4, the student uses circulation stairs to reach their Level 3 classroom.

**Student B:** Enters the school via Ground Floor to attend a Period 1 class on Level 9. Student B calls the lift and use their additional-access swipe card to take the lift directly to Level 9. For Period 2, the student leaves their class on Level 9 and is able to call a direct lift (to Level 9) and take it down to Level 3 via the additional-access swipe card.

Yours Sincerely



Shaun Burgess  
Electrical Engineer | Vertical Transport Consultant  
Northrop Consulting Engineers Pty Ltd  
T: 02 9241 4188  
D: 02 9156 3077