

CANNON PARK, COVENTRY

The proposed 422 space car park forms part of the new development adjacent to Cannon Park shopping centre and is surrounded on three sides by student accommodation. The car park is to be an independent structure but in close proximity to the accommodation blocks. The residential element is to be single aspect with a plain wall facing the courtyard car park and that wall is to be designated a 1-hour fire protected wall. There is to be no breach in that enclosing wall line for the three sides.

The car park is to be set within the courtyard and to be in close proximity to one adjacent wall so as to create an open ventilation wall on the other three sides. This includes an offset for both gable ends, the frontage to have a screen wall in line with the accommodation blocks but clear of the car park frontage. There is no need for elevational treatment with the car park edges only featuring vehicle and pedestrian guarding.

Typical Floor Plan	1715m ²	5% for free ventilation = 85m ²
Front Gable free ventilation		49m ²
Rear Gable free ventilation		47.5m ²
Side Open free ventilation		108m ²

This total open area is 204m² > 85m² and in opposing elevations is 2.5% i.e. 42.5m² which is achievable.

The long side which is not open will need assisted ventilation in the form of ceiling mounted 'jet' fans to ensure movement of air triggered by carbon monoxide and carbon dioxide monitors and also smoke control.

In light of the recent Liverpool Echo Arena car park fire the structure is to be given a 1-hour fire rating. The means of escape are to be compliant with requirements to not exceed 45m with alternative egress points. One escape is on the front elevation whilst the 'Fire Escape Only' core is to the rear and is to have a 1-hour rated corridor to evacuate to open air. These measures are subject to a specialist Fire Strategy Report.

There is to be maintained a full separation between the car park and the student accommodation with a 1-hour fire boundary condition and further, that in the event of either building being subject to an event, there will be no transmission of loading or structural reliance.

FOR HILL CANNON CONSULTING LLP

A handwritten signature in black ink, appearing to read 'Steve Vollar', written in a cursive style.

STEVE VOLLAR
Eur Ing BSc CEng FICE FIStructE