

5(c): Fire tender access has been provided as per Building Regulations Technical Guidance Document Part B – Fire Safety guidelines. In particular **Table 5.1** of TDG-B reads as follows;

Table 5.1 Vehicle access to buildings			
Volume of building (m) ³	Height of top storey above ground (m)	Provide vehicle access	Type of appliance
up to 7.000	under 10	at rate of 2.4 m in length for every 90m ² of ground floor area	pump
	over 10	to 15 % of perimeter	high reach
7.000-28.000	up to 10	to 15% of perimeter	pump
	over 10	to 50% of perimeter	high reach
28.500-56.000	up to 10	to 50% of perimeter	pump
	over 10	to 50% of perimeter	high reach
56.000-85.000	up to 10	to 75% of perimeter	pump
	over 10	to 75% of perimeter	high reach
over 85.000	up to 10	to 100% of perimeter	pump
	over 10	to 100% of perimeter	high reach

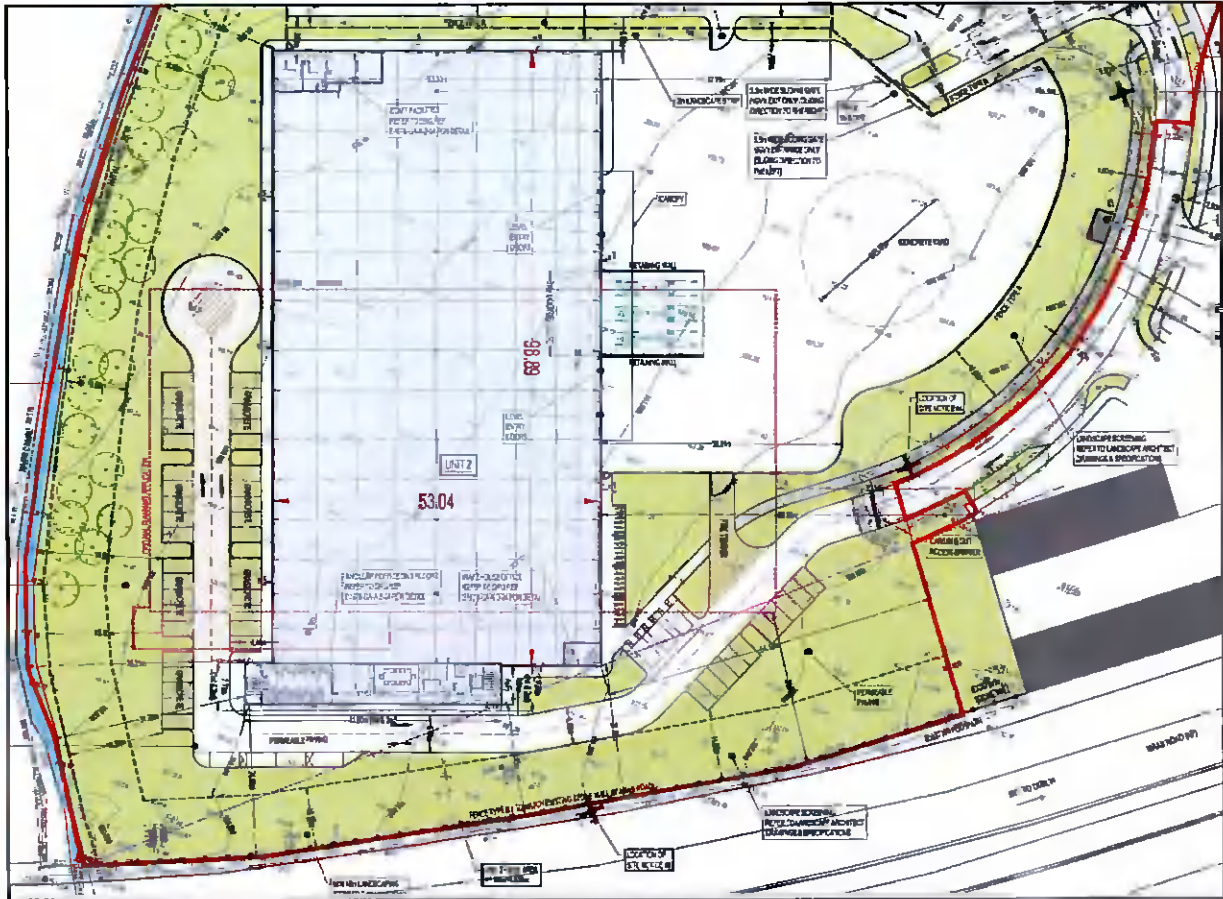
The warehouse compartment of Unit 2 measures 98.89m x 53.04m between cladding faces internally with an average height to the underside of the roof cladding from finished floor level of 14.17m. Therefore, the volume of this compartment for fire tender circulation considerations is 74.323m³.

With reference to the above table as highlighted, 75% building perimeter is applicable for fire tender access. We calculate we have provided 82% of building perimeter fire tender circulation based on the building footprint dimensions noted above. Therefore, the site plan as presented is in compliance with the Building Regulations Part B Fire Safety **Table 5.1 – Vehicle Access to Buildings**.

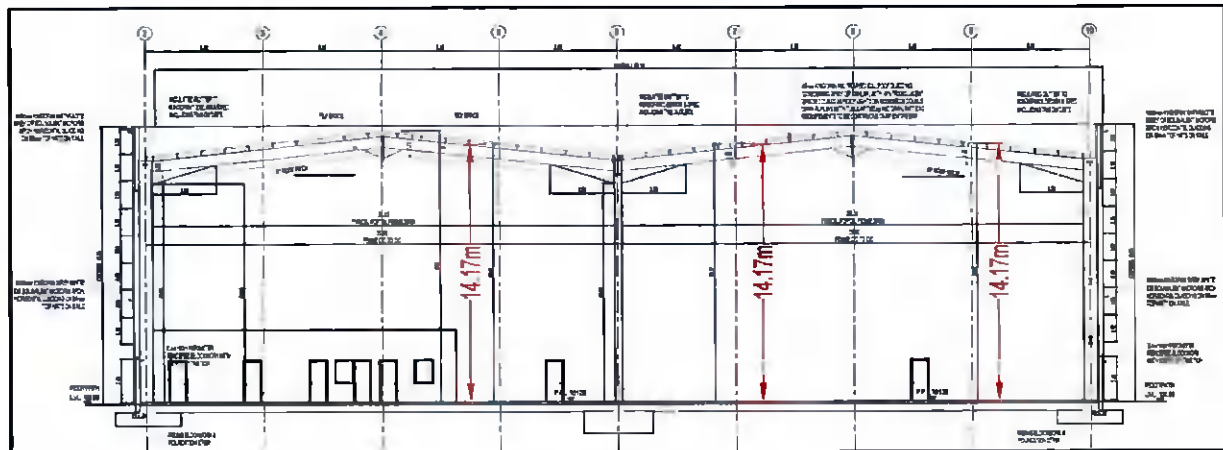
Due to the larger volume of Unit 1 we have provided 100% fire tender access as originally presented.

In conclusion, the building volume considered in this normal approach to fire tender access assessments is the warehouse compartment. If the separate compartment of the adjoined three storey office/ staff facilities were added to the building volume, an additional 2.954m³ would be added to the warehouse volume of 74.323 m³. This resulting in an overall volume of 77.277m³ which still remains **below the "75% to 100%"** level of 85.000 m³.

Please refer to dimensioned inserts overleaf (Site Plan – Extract Unit 2 and Section 2-2) showing the dimensions used in the above calculations.



Site Plan – Extract Unit 2.



Section 2-2.