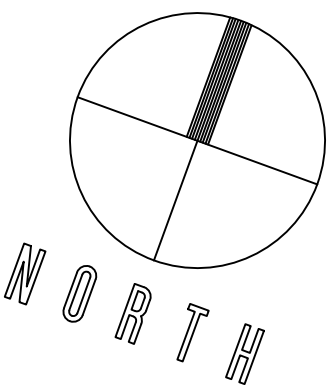


Do not scale from this drawing. All dimensions are to be checked and verified on site and all discrepancies reported to 5PA Architects Ltd prior to any construction work taking place. This drawing is the property and copyright of 5PA Architects Ltd and cannot be reproduced without permission.

The contractor shall allow for all materials and work necessary to complete the works as intended whether indicated or not on specifications or drawings.



▲ Loading Doors

▲ Personnel Doors

▲ Fire Exit Doors

(All escape doors should open in the direction of escape)

Approved Document B (Building other than dwellings)

Number of occupants and exits

2.9 The building design should be based on the number of occupants. If the number is not known, use the appropriate floor space factors (Appendix D)

Table 2.2 gives the minimum number of escape routes and exits from a room or storey for different numbers of occupants. This number is likely to be increased by the need to observe travel distances and other practical considerations.

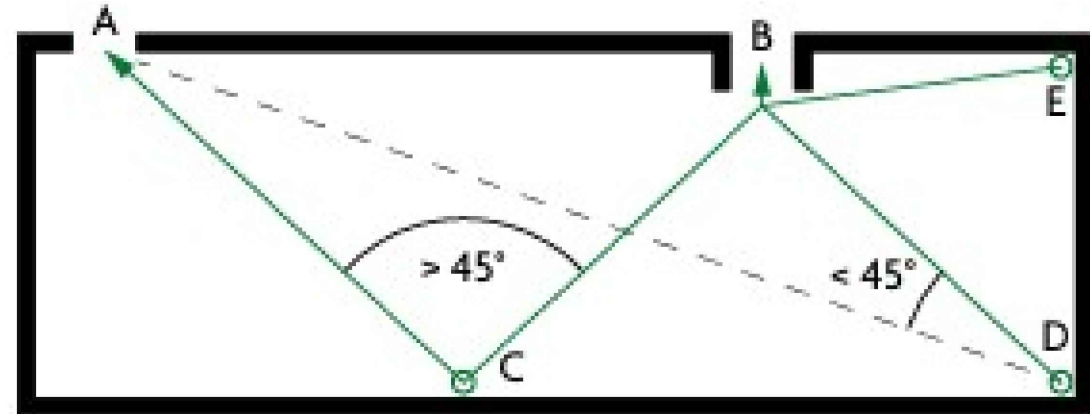
The width of escape routes and exits is given in paragraph 2.18.

Table 2.2 Minimum number of escape routes and exits from a room, tier or storey	
Maximum number of people	Minimum number of escape routes/ exits
60	1
600	2
More than 600	3

Alternative escape routes

2.10 Alternative escape route should satisfy one of the following criteria.

- They are in directions 45 degrees or more apart (Diagram 2.2).
- They are in directions less than 45 degrees apart, but separated from each other by fire resisting construction.



Alternative escape routes are available from C because angle ACB is 45 degrees or more and therefore distance CA or CB (whichever is the less) should be no more than the maximum travel distance given for alternative escape routes.

Alternative escape routes are not available from D because angle ADB is less than 45 degrees (therefore see Diagram 2.1).

There is also no alternative escape route from E.

Table 2.3 - minimum door width of 1050mm to be clear of obstruction. Structural opening of door will be approx. 1250mm to accommodate door leaf of 1050mm.

Calculating exit capacity:

2.21 Where multiple storey exits are available, fire might prevent one from being used. Remaining exits need to be wide enough for all occupants, so when using Table 2.3, the largest exit should be discounted.

2.22 To calculate how many people two or more available exits (after discounting) can accommodate, add together the maximum numbers of people that each exit width can accommodate. For example, three exits each 1050mm wide accommodate $3 \times 220 = 660$ people.

Appendix D, item 14. Storage and warehousing = 30m² per person per exit. (you must exclude one exit when calculating)

If the unit is subdivided then the calculations will need to be rerun.

In all instances, prior to the building being occupied it is important to have a qualified fire engineer review the premises and produce a fire strategy.

P02 Updated doors 01.04.25

P01 First issue 11.03.25

Revisions

5PA CHARTERED ARCHITECTS

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Project
Fruit Show Business Park
Pattenden Lane, Marden
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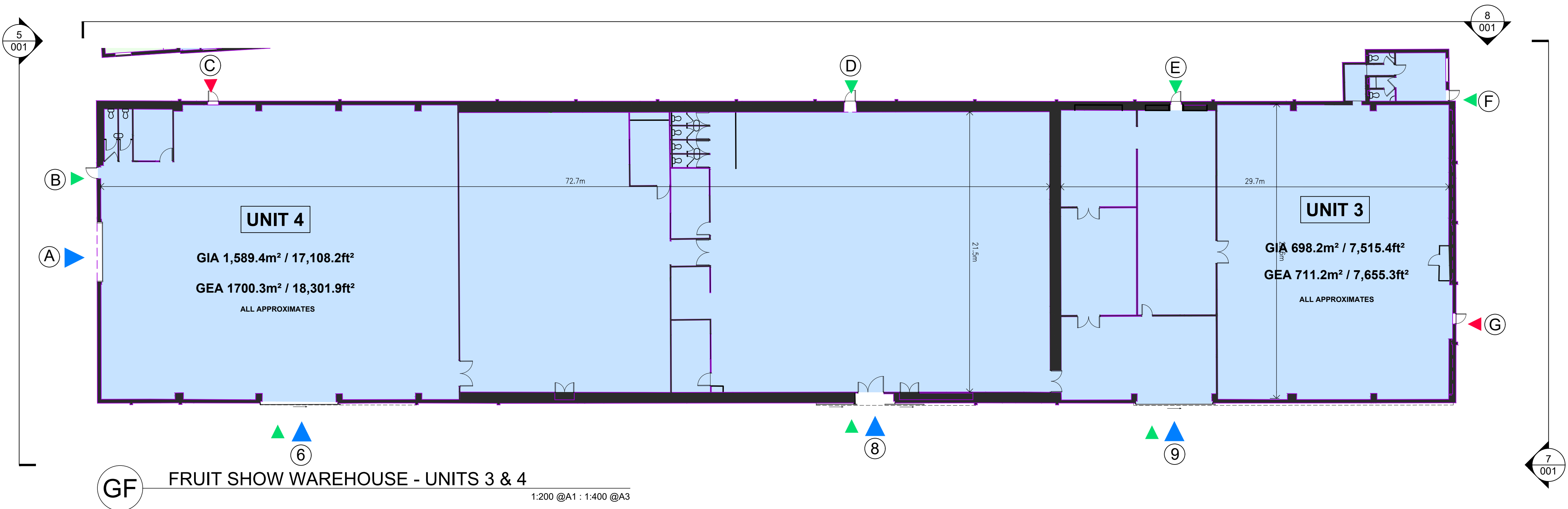
Title
Fruit Show Business Park
Units 1,2,3,4
PROPOSED

Revision	Drawn by	Checked	Date
P02	5PA	5PA	APRIL 2025

Drawing Status	Scale
PRELIMINARY	1:200 @A1 - 1:400 @A3

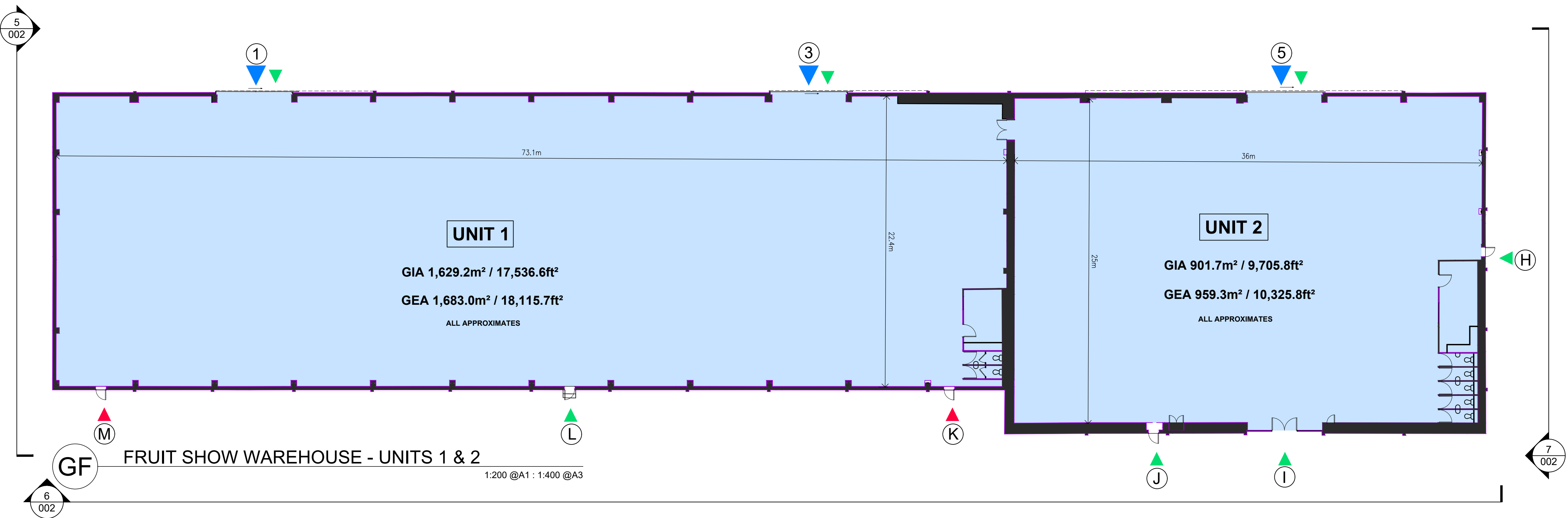
Drawing Number

9603-A-Z-GF-00-002



FRUIT SHOW WAREHOUSE - UNITS 3 & 4

1:200 @A1 : 1:400 @A3



FRUIT SHOW WAREHOUSE - UNITS 1 & 2

1:200 @A1 : 1:400 @A3