

**Notes:**

**1. Guidance**  
It is currently proposed to adopt a simultaneous evacuation strategy. It is therefore proposed to adopt guidance in Approved Document B Volume 2 purpose group 2(b) Residential Other for means of escape. This approach is subject to agreement with the approving authority.

**2. Minimum Required Stair Width**  
Total occupancy is estimated at 434 people – 16 floors for East Wing, 8 floors for West Wing;  
Based on this, the minimum required stair width for each stair is 1100mm

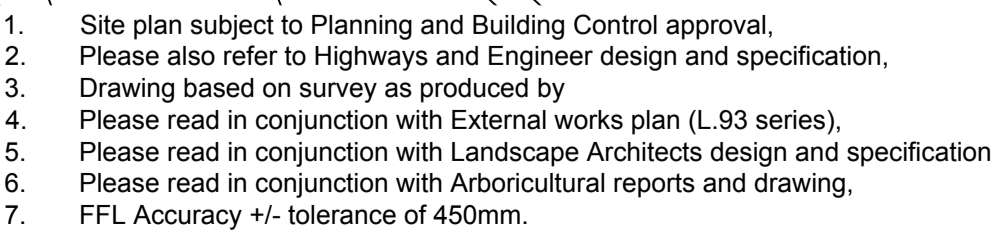
**3. Elements of Structure**  
As the building is over 30m in height, elements of structure are to be provided with 120 minutes fire resistance.

**4. Fire Fighting Facilities**  
As the development exceeds 18m in height and a floor plan exceeding 900m<sup>2</sup> the development is to be provided with at least 2 fire fighting shafts including;


- Fire Fighting Stair
- Fire Fighting Lift
- Ventilated Fire Fighting Lobby
- Fire Main - if the building height is over 50m a wet rising main is to be provided

**5. Fire Suppression**  
The proposed building is considered as a shared multi-occupancy residential building. A sprinkler system in a shared multi-occupancy residential building should be designed and installed in accordance with BS 9251:2021.

It is proposed the sprinkler system is to meet the requirements of a Category 4 system in accordance with BS 9251:2021 for residential buildings 18m or higher.



- |          |            |                                 |                  |
|----------|------------|---------------------------------|------------------|
| P3       | 26.09.2022 | AMENDED TO SUIT DESIGN FEEDBACK | AA               |
| P2       | 12.09.2022 | AMENDED TO SUIT DESIGN FEEDBACK | AA               |
| P1       | 05.09.2022 | FIRST ISSUE                     | AA               |
| REVISION | DATE       | COMMENTS                        | AUTHOR / CHECKED |

|  |   |                           |                               |
|--|---|---------------------------|-------------------------------|
| <b>EXPEDITE</b><br><br>CARDIFF OFFICE<br>8 Village Way, Greenmeadows Springs<br>Business Park, Cardiff, CF15 7NE<br>t: 02920 098655<br><br>EXETER OFFICE<br>35 Southway East<br>Exeter, EX1 1AP<br>t: 01392 691631 | <b>TITLE</b><br>PROJECT BLUE DRAGON - SITE 2<br>ON BEHALF OF CARDIFF 6th FORM COLLEGE |                           |                               |
|  | <b>DETAIL</b><br>GA FLOOR PLAN - SECOND (TYPICAL)                                     |                           |                               |
| <b>RIBA</b> <br><br>www.expediteps.com  | <b>DATE</b><br>SEPTEMBER 2022   | <b>SCALE</b><br>1:250 @A1 |                               |
|  | <b>DRAWING NO.</b><br>AS21.65.L.02.02.220905.sk1                                      | <b>REV</b><br>P3          | <b>AUTHOR / CHECKED</b><br>AA |
|  | <b>DRAWING - STATUS</b><br>PRELIMINARY  |                           |                               |