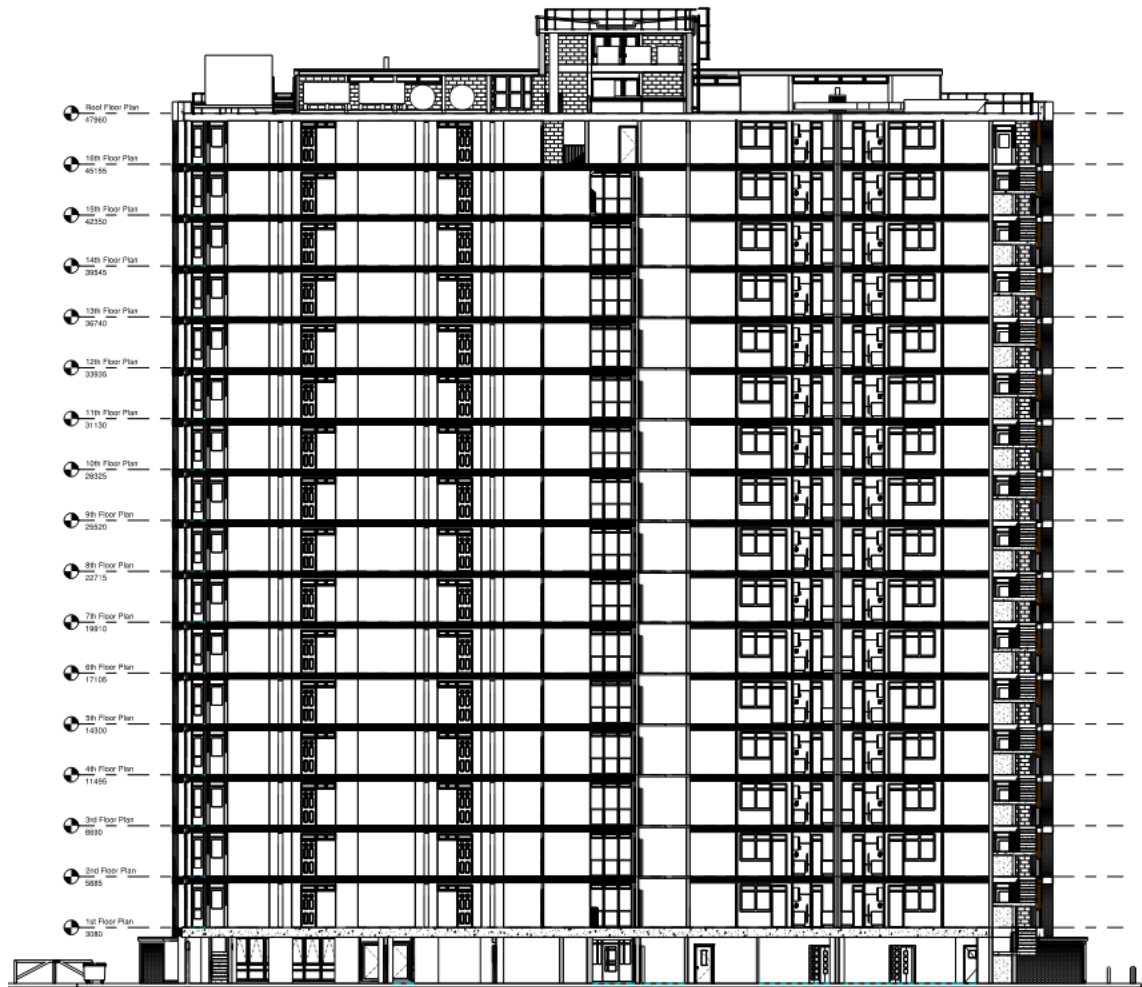


Fire statement form

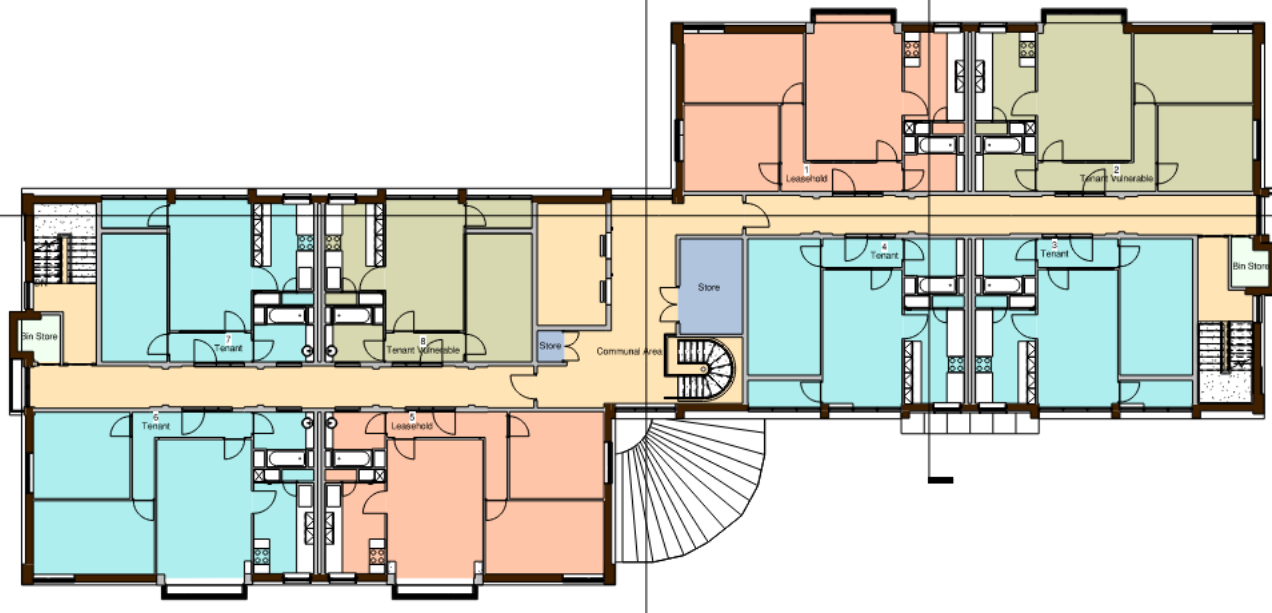
Application information	
1. Site address line 1	Kenneth Robbins House
Site address line 2	Northumberland Park
Site address line 3	Haringey
Town	London
County	
Site postcode (optional)	N17 0QA
2. Description of proposed development including any change of use (as stated on the application form):	Kenneth Robbins House is a 17-storey tower block development that is located in Haringey, London. The building has an approximate height of 45.1m (ground floor to topmost occupied floor level). On the ground floor level there are 2 x community centres, 3 x staff offices, ancillary areas and several communal areas. The floor levels 1-16 of the building comprise of residential apartments. The building layout and apartments are illustrated in the figures below. The ground, first, fifteenth and sixteenth floor levels are served by three stairways while the remaining floor levels (2-14) will be served by two protected stairways. All floor levels are served by two lifts which are located in the centre of the building. Due to the height of the building, all floor levels will be served by a firefighting shaft (fire-fighting stair and fire-fighting lift) and a wet riser main.
3. Name of person completing the fire statement (as section 15.), relevant qualifications and experience. Guide: no more than 200 words	Athanasios Melandinos is a professionally qualified engineer with 18 years of research and practical experience in the field of fire engineering and structural fire engineering. During his professional career Athanasios has provided fire strategies, fire risk assessments, fire safety management plans, external wall assessments, construction reviews, due diligence reports, structural fire engineering assessments and smoke modelling designs for over 300 projects in the UK and abroad. Athanasios holds the following Academic and Professional qualifications: • MEng(Hons) Civil and Structural Engineering – University of Bradford UK (2002); • MSc Structural Engineering – University of Surrey UK (2003); • PhD Civil Engineering – University of Manchester UK (2007);

	• CEng Engineering Council UK (Registration Number: 605283) – Year of Award 2013; • MIFireE (Registration Number: 051017) – Year of Award 2013; • MCIBSE (Registration Number: 043678) – Year of Award 2013; • MIMechE (Registration Number: 80258636) – Year of Award 2015. Athanasios is also keeping up to date with his Continuous Professional Development as part of his commitment to the UK Engineering Council.
4. State what, if any, consultation has been undertaken on issues relating to the fire safety of the development; and what account has been taken of this. Guide: no more than 200 words	An initial assessment of the fire safety features of the building has been undertaken by a qualified fire engineer in order to satisfy all B1 to B5 functional requirements of the Building Regulations. The outcome of this assessment was that the development needed to show a selected number of fire safety features in order to comply with functional requirements of the Building Regulations.
5. Site layout plan with block numbering as per building schedule referred to in 6. (consistent with other plans drawings and information submitted in connection with the application)	
Site layout plan is: inserted in the form	

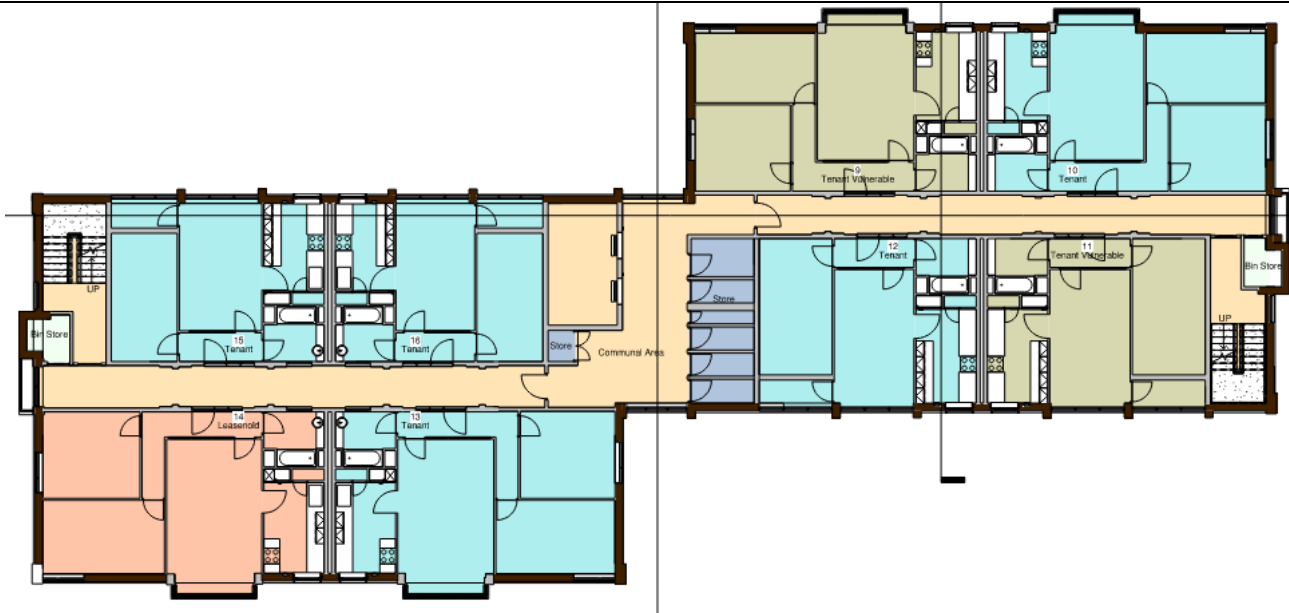


Building Elevation

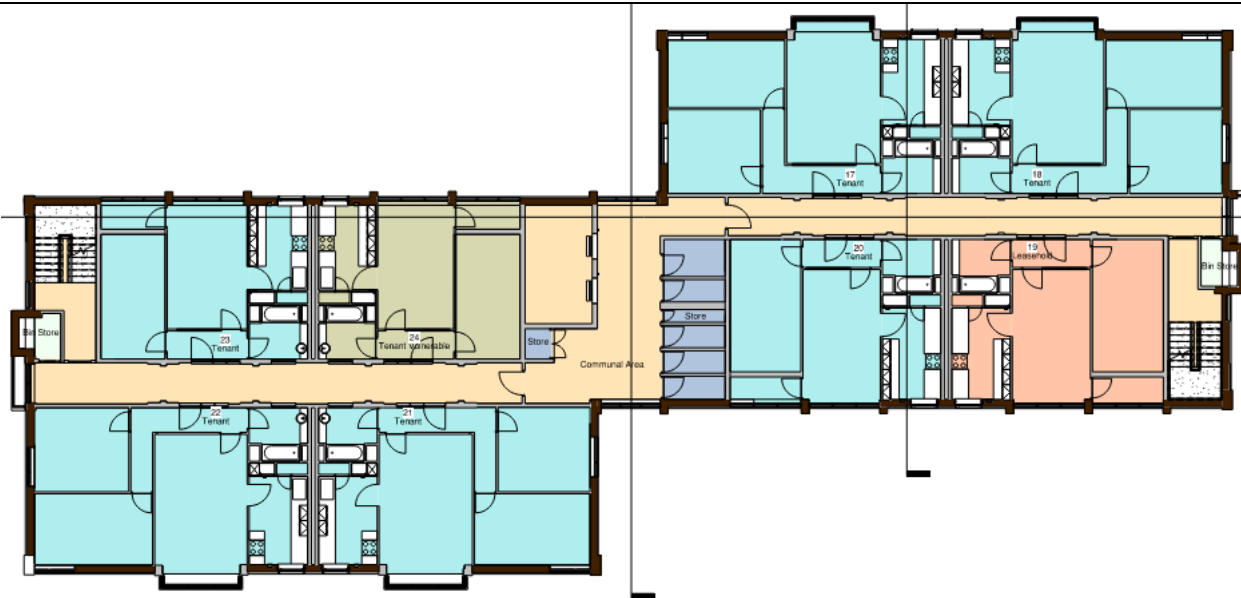




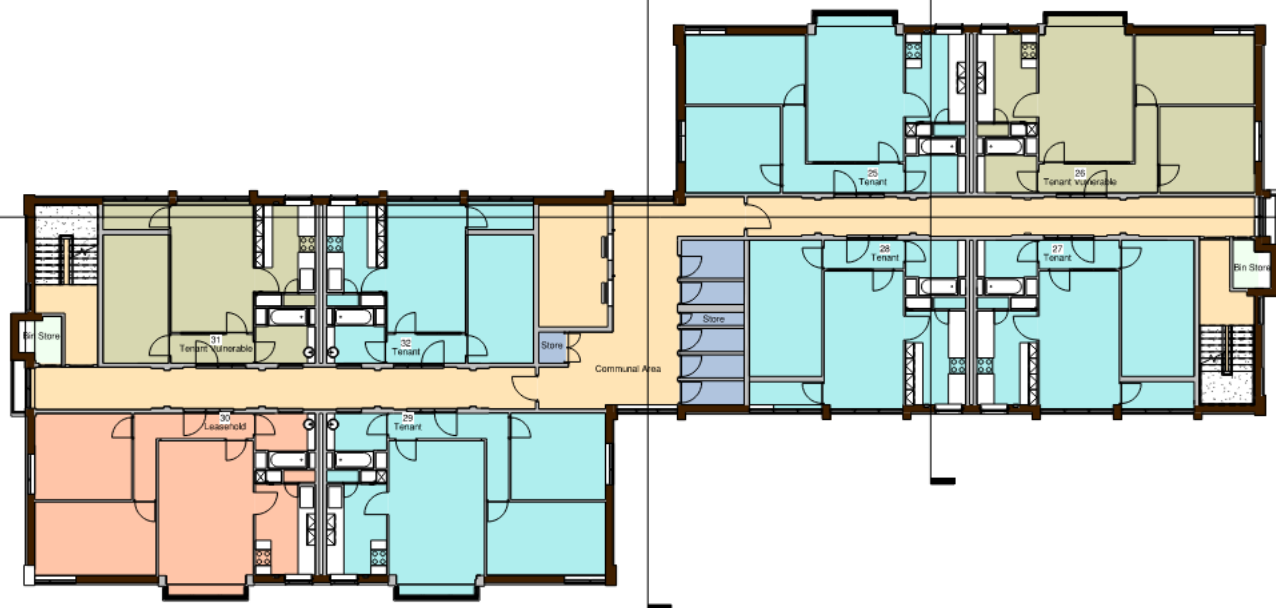
First Floor Plan



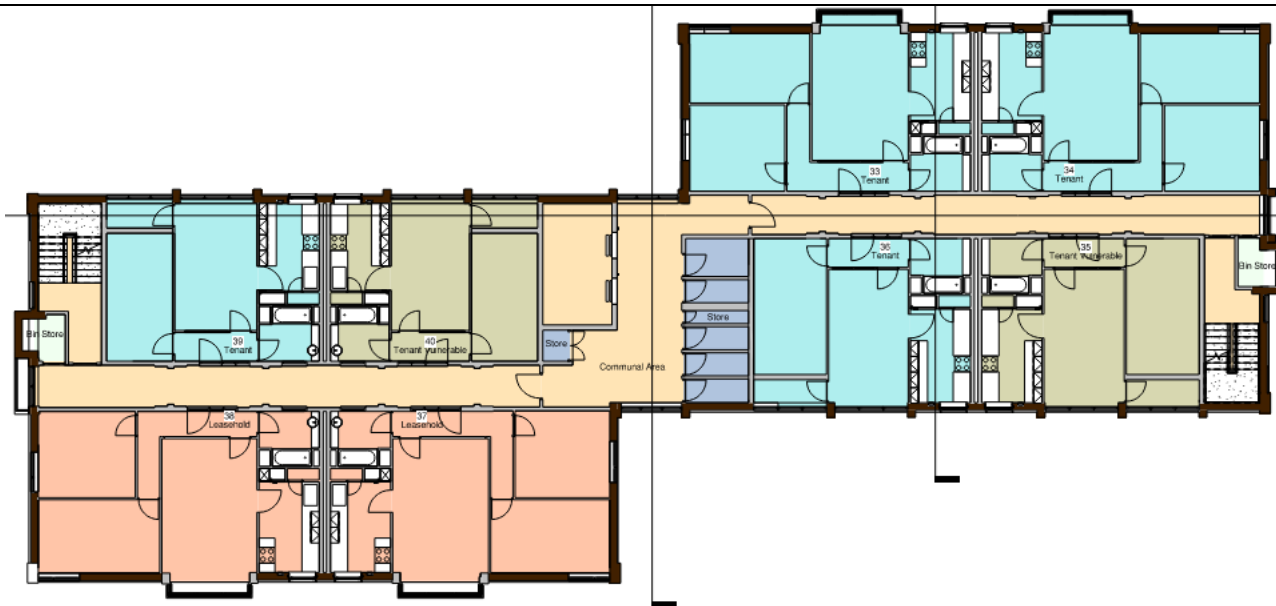
Second Floor Plan



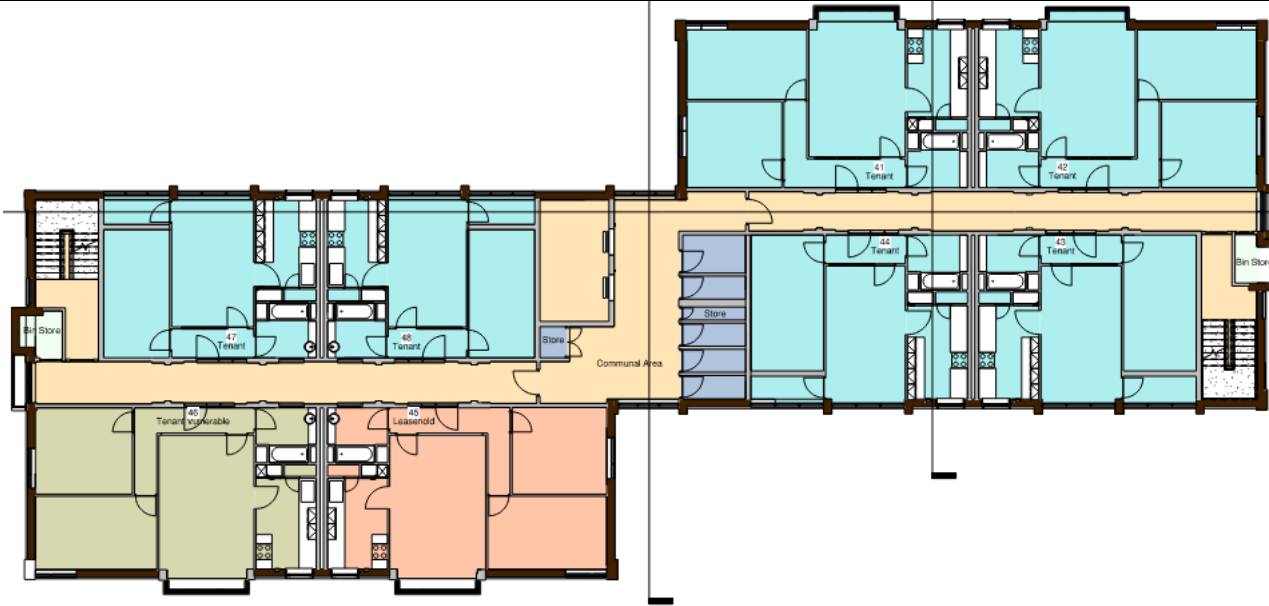
Third Floor Plan



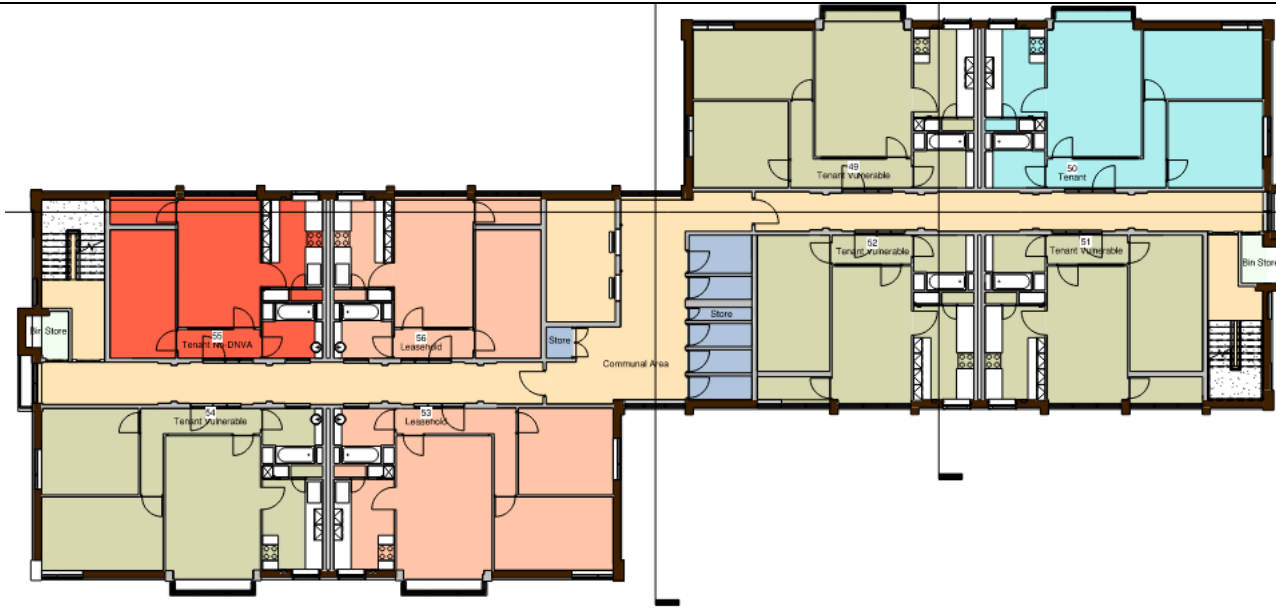
Fourth Floor Plan



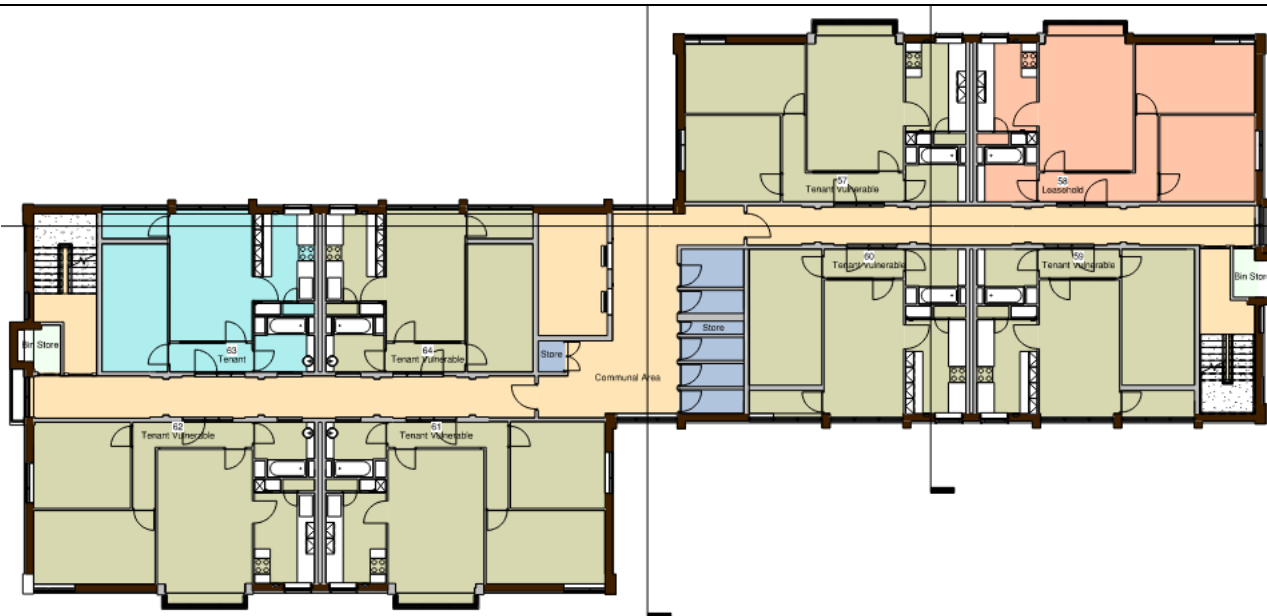
Fifth Floor Plan



Sixth Floor Plan



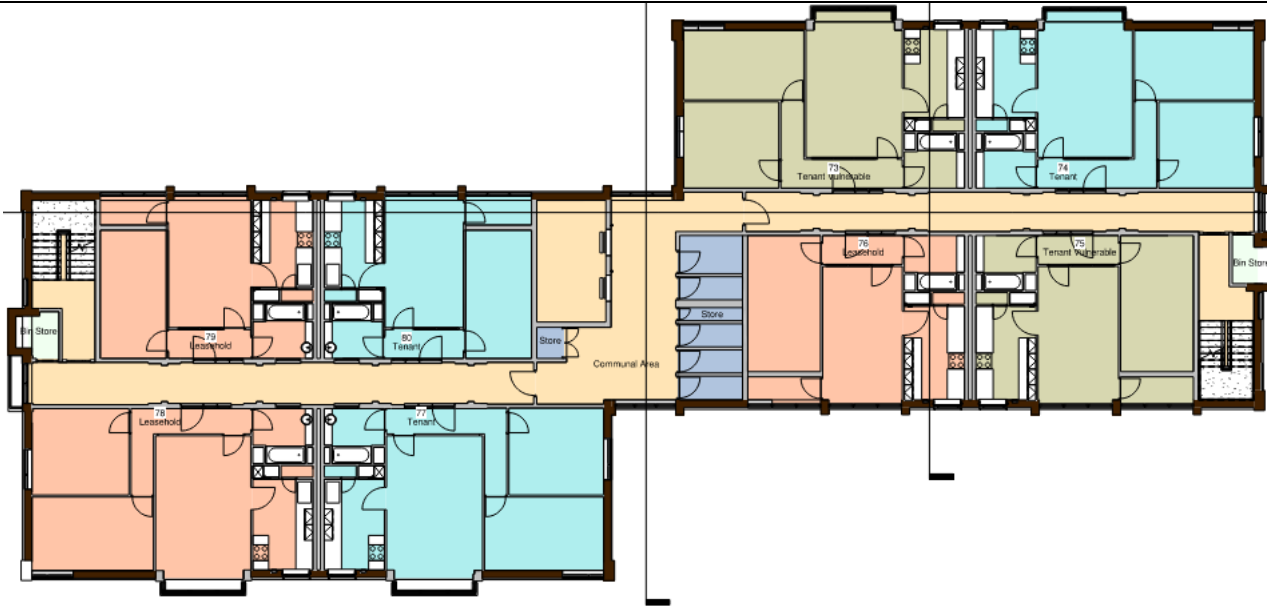
Seventh Floor Plan



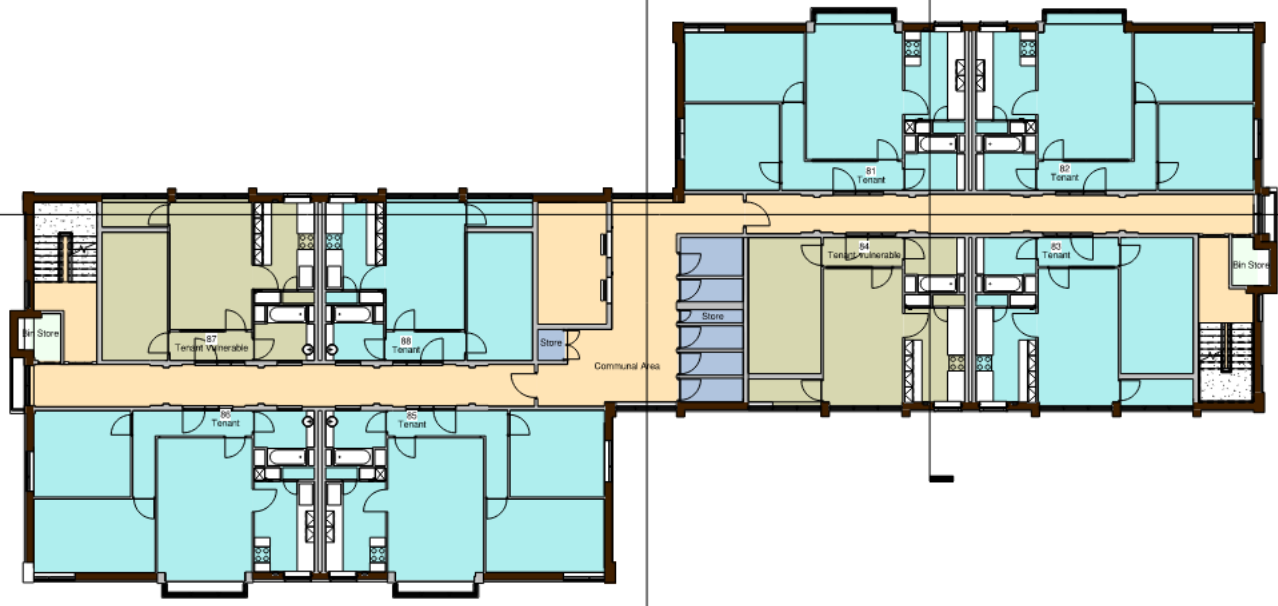
Eighth Floor Plan



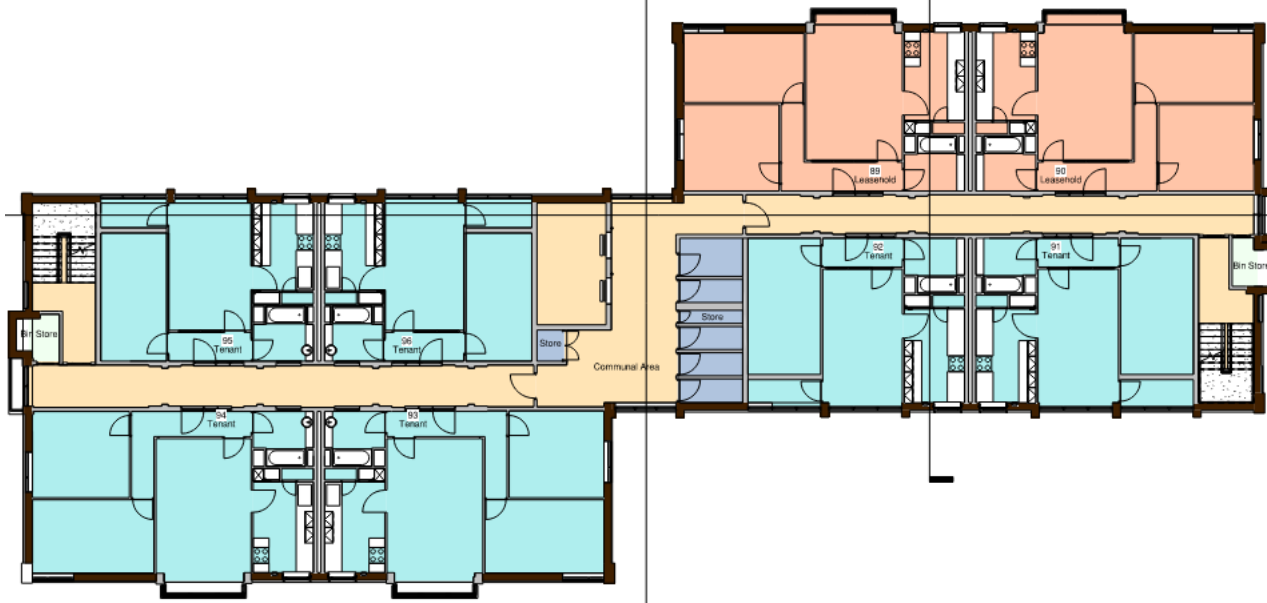
Ninth Floor Plan



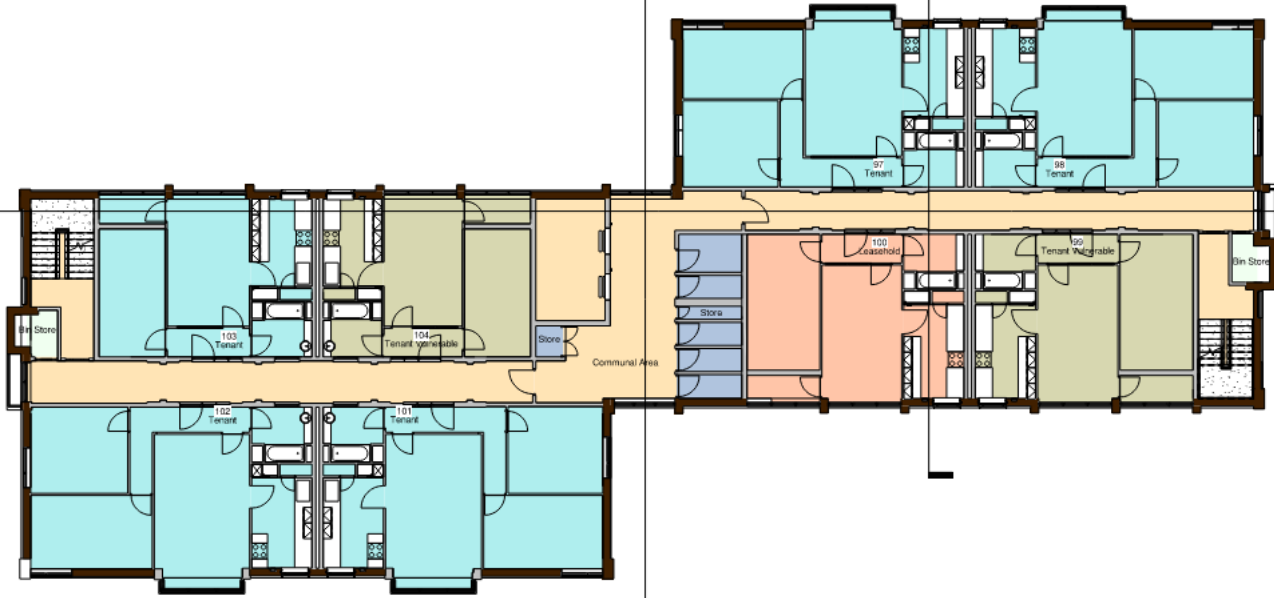
Tenth Floor Plan



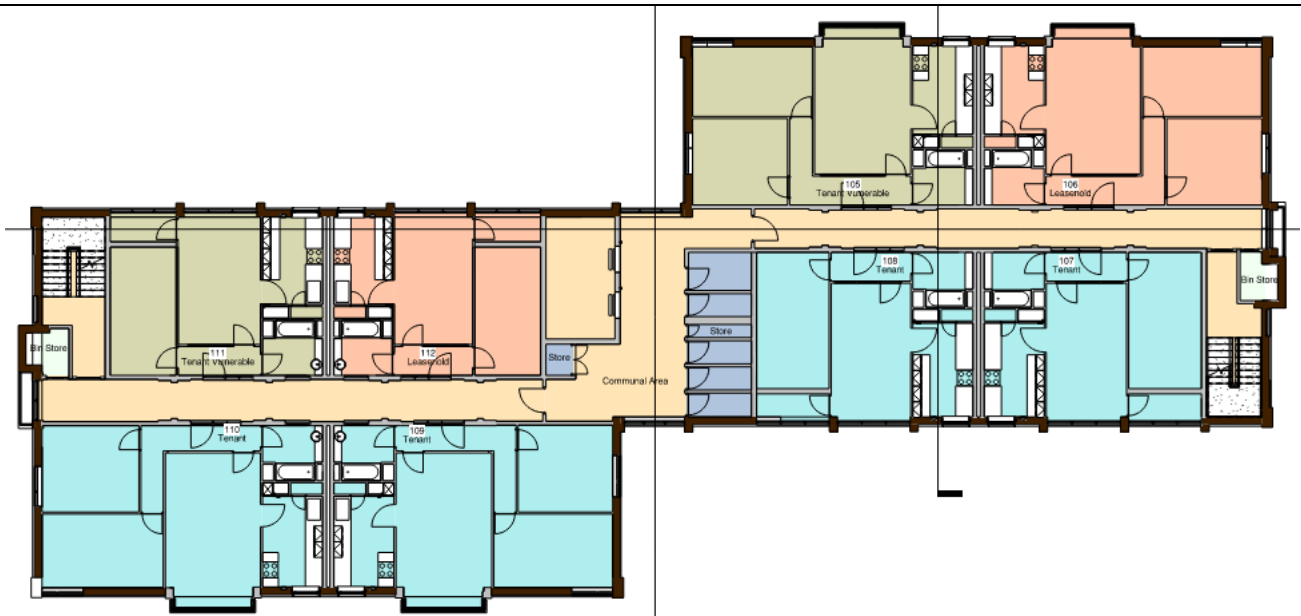
Eleventh Floor Plan



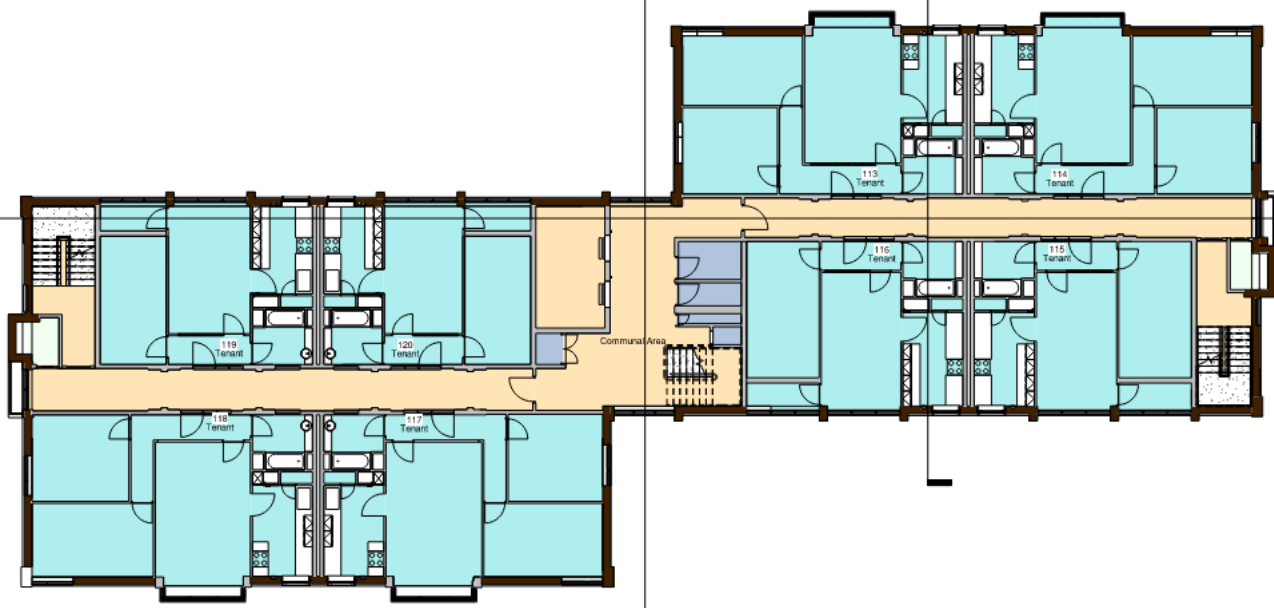
Twelfth Floor Plan



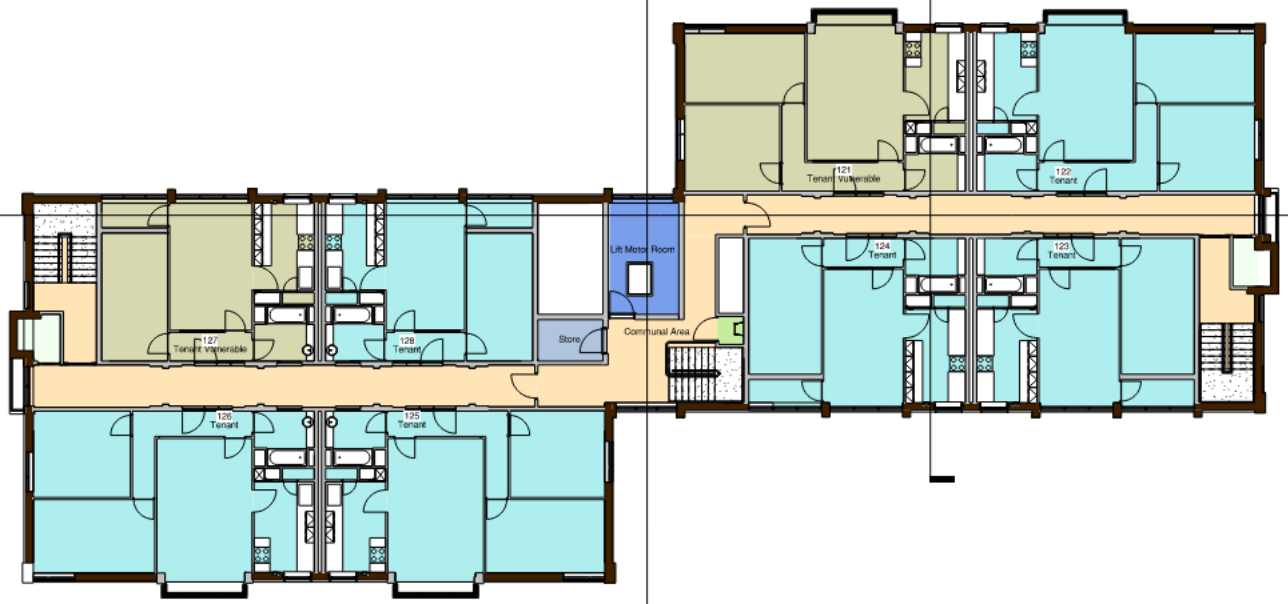
Thirteenth Floor Plan



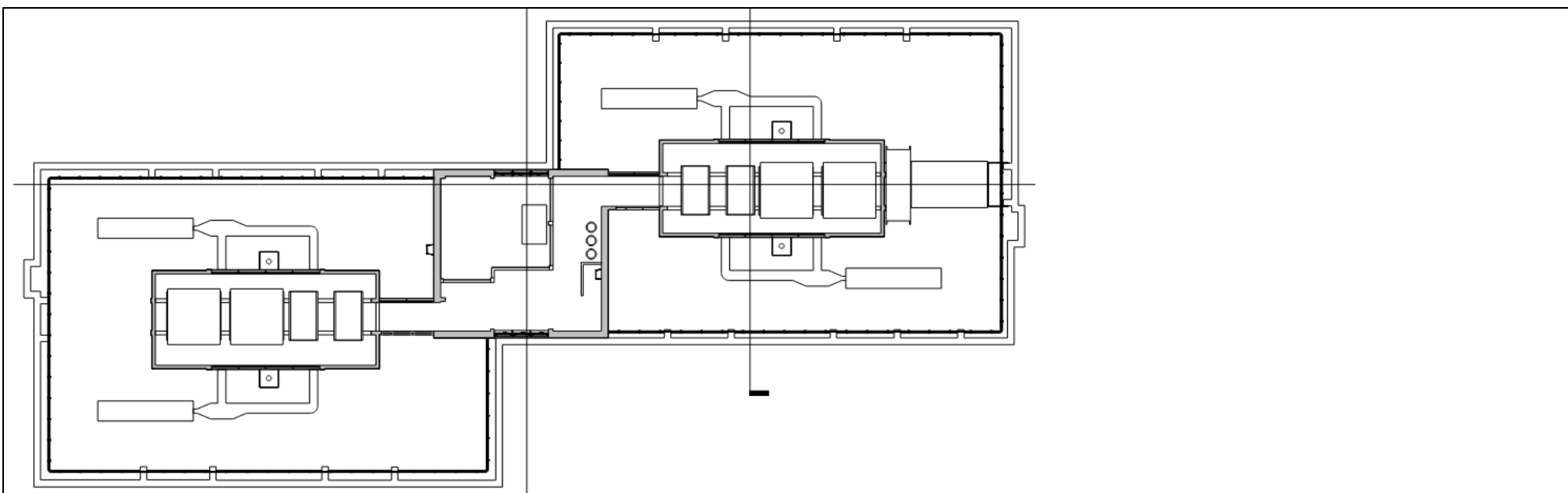
Fourteenth Floor Plan



Fifteenth Floor Plan



Sixteenth Floor Plan



Roof Floor Plan

The principles, concepts and approach relating to fire safety that have been applied to the development		
6. Building schedule		
Site information	Building information	Resident safety information

[illegible]

				Choose an item.	Choose an item.	Choose an item.	Choose an item.	Choose an item.	Choose an item.
				Choose an item.	Choose an item.	Choose an item.	Choose an item.	Choose an item.	Choose an item.
				Choose an item.	Choose an item.	Choose an item.	Choose an item.	Choose an item.	Choose an item.

7. Specific technical complexities

Explain any specific technical complexities in terms of fire safety (for example green walls) and/or departures from information in building schedule above

Guide: no more than 500 words

The height of the tower block presents a challenge to fire safety, but all the features of the building will be provided to satisfy B1 to B5 functional requirements of the Building Regulations. The fire strategy for the development will aim to comply with the guidance of BS 9991 and also take into account the forthcoming changes in the recently drafted BS 9991: 2023.

8. Issues which might affect the fire safety of the development

Explain how any issues which might affect the fire safety of the development have been addressed.

Guide: no more than 500 words

The development will be provided with fire safety systems that will reduce the risk in case of fire emergency. A category 4 sprinkler system will be provided throughout residential areas in accordance with BS 9251 (2021 edition). All non-residential areas will also require to be covered by a suppression system to a BS EN 12845 standard.

For all the residential apartments a category LD1 (Grade D1) fire alarm and detection system in accordance with BS 5839: Part 6 will be installed and maintained. For the common areas of the residential parts of the building a category L5 system (BS 5839: Part 1) will be provided. All non-residential areas will also be provided with an L2 system (BS 5839: Part 1).

The evacuation of the people with mobility impairments from the upper floor levels will be assisted by the use of firefighting lifts which can also be used as evac-lifts. All areas from ground floor level will be provided with level access to the outside.

Any roof or terrace areas that residents may be able to access will also need to be provided with an appropriate alarm system which will alert any maintenance personnel and other occupants in case of emergency.

Also, emergency lighting will be provided to ensure safe passages to all building users in case of emergency. Every escape route will be distinctively and conspicuously marked by emergency exit signage complying with recommendations of BS 5499: Part 1. In addition, the design and installation of the emergency escape lighting will be in accordance with BS 5266: Part 1.

9. Local development document policies relating to fire safety

Explain how any policies relating to fire safety in relevant local development documents have been taken into account.

Guide: no more than 500 words

No local development policies that may affect the fire safety. The design of the building will be based on BS 9991, Approved Document B and associated British Standards.

Emergency road vehicle access and water supplies for firefighting purposes

10. Fire service site plan

Explanation of fire service site plan(s) provided in 14. including what guidance documents have informed the proposed arrangements for fire service access and facilities?

Guide: no more than 200 words

In case of emergency, fire service personnel will be able to access the development via Northumberland Park and Northumberland Grove. There is also additional fire service access from the adjacent housing estate. Internally they will be able to use the firefighting shafts to access all levels of the building. The firefighting shafts will comprise of a firefighting stair, firefighting lift, dry riser, an AOV at the head of the stair and an AOV at the firefighting lobby. The firefighting shaft will also be enclosed in 120 minutes fire resistance. Provisions have been made for a firefighting appliance to be able to park within 18m from a dry riser inlet. There are four public hydrants that are located on Northumberland Park (two hydrants), Northumberland Grove (one hydrant) and the adjacent housing estate (one hydrant). All available hydrants are within 90m from a dry riser inlet at ground floor level.

11. Emergency road vehicle access

Specify emergency road vehicle access to the site entrances indicated on the site plan

Guide: no more than 200 words

Fire appliances can access the building via Northumberland Park, Northumberland Grove and the adjacent housing estate.

Is the emergency vehicle tracking route within the site to the siting points for appliances clear and unobstructed?

yes

12. Siting of fire appliances

Guide: no more than 200 words

Fire appliances can access via Northumberland Park, Northumberland Grove and the adjacent housing estate. There are also sufficient places for the fire appliances to park around the site on public roads – unobstructed.

13. Suitability of water supply for the scale of development proposed

Guide: no more than 200 words

The surrounding roads are provided with public hydrants therefore there is sufficient water supply to deal with any fire incident.

Nature of water supply:
hydrant- public

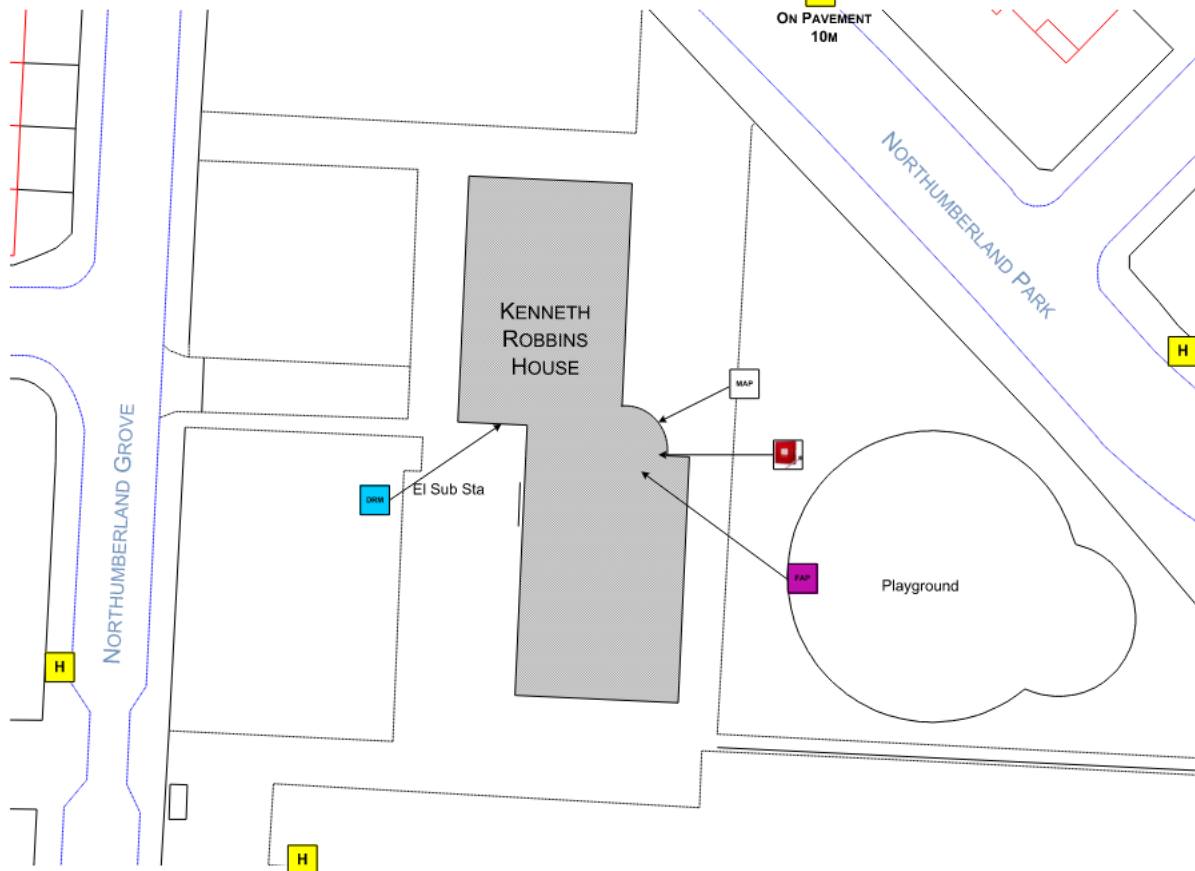
Does the proposed development rely on existing hydrants and if so are they currently usable / operable?
yes

14. Fire service site plan

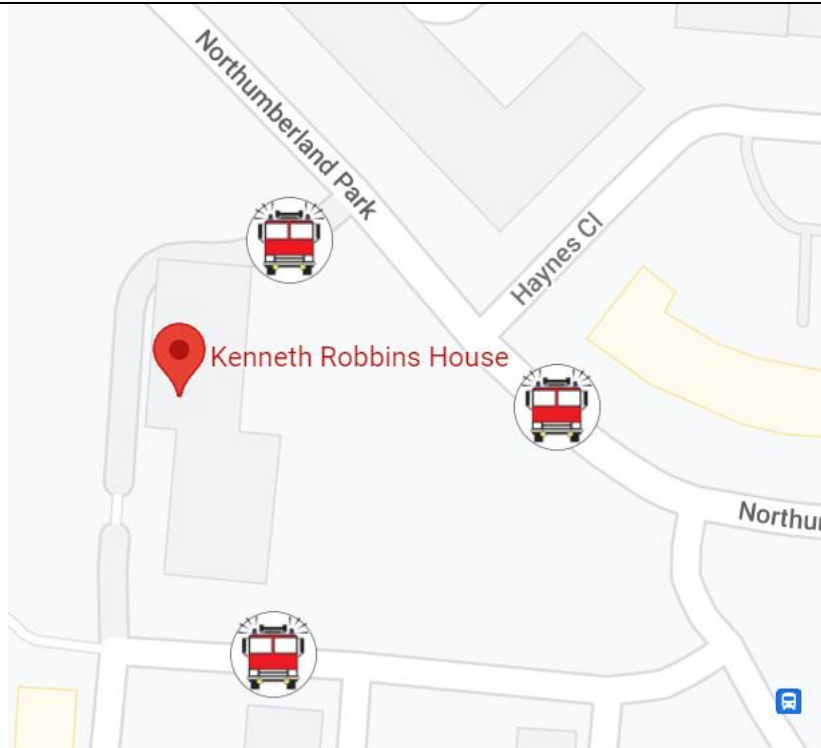
Fire service site plan is:
inserted in the form

SYMBOLS

-  This building may contain asbestos!
See asbestos register for details
-  Premises Information Box
-  Main Access Point
-  Fire Hydrant
-  Dry Rising Main
-  Fire Alarm Panel



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Fire statement completed by

15. Signature

Dr. Athanasios Melandinos MEng(Hons) MSc PhD CEng MCIBSE MIFireE MIMechE
Fire Engineer
Director – AM Pyro LTD

16. Date

23/12/2022