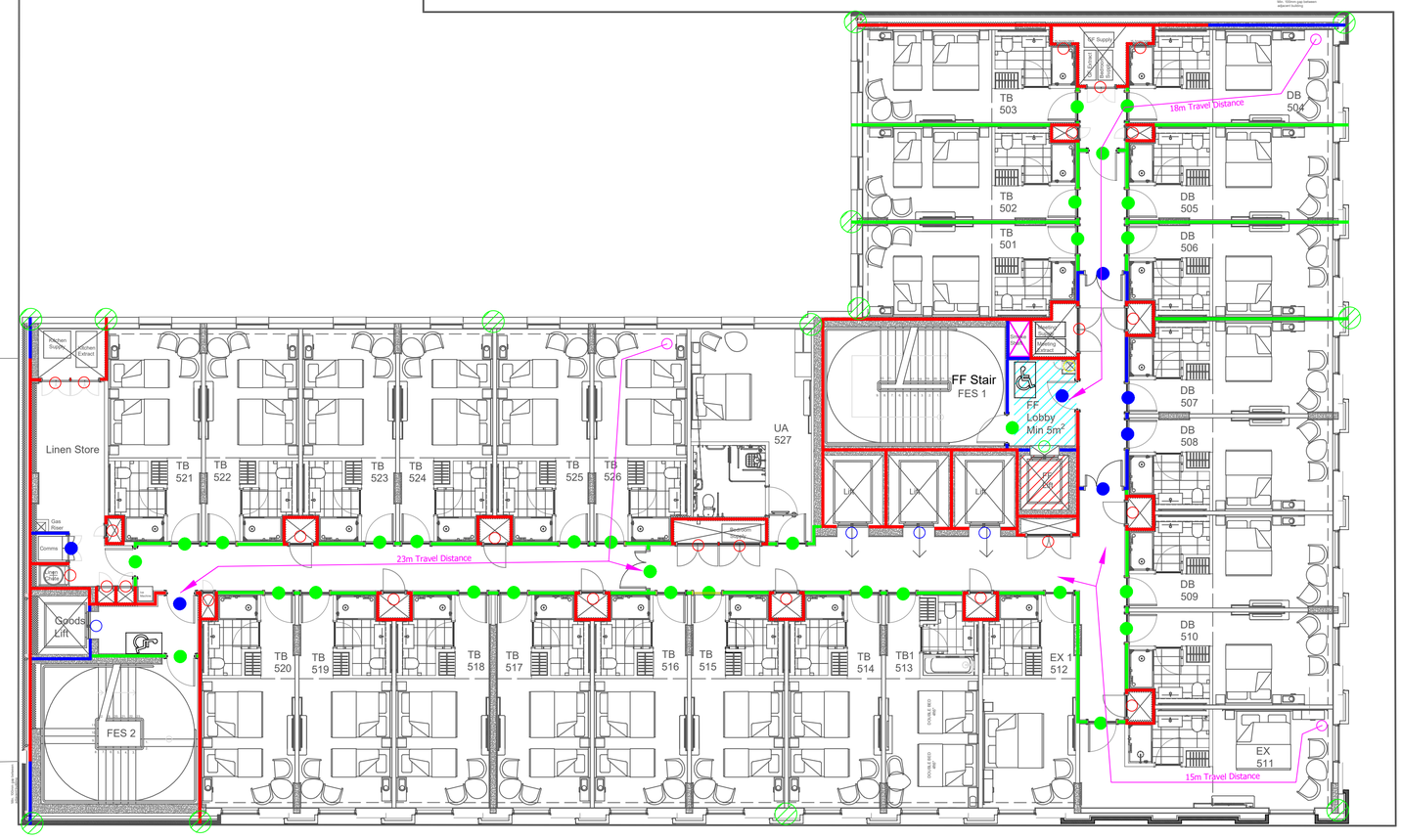
This is not a construction drawing. Do not scale from this drawing.
Refer to architect or structural engineer for construction details.
This drawing should not be manipulated, edited or otherwise presented
without the written consent of Jeremy Gardner Associates Belfast Limited.

Fire Legend

- 120 minute fire resisting separating wall / construction enclosing stair cores / lifts
- 60 Minute fire resisting compartment wall
- 30 Minute fire resistance
- 120 minute fire door without smoke seals
- 60 minute fire door incorporating smoke seals
- 60 minute fire door without smoke seals
- 30 minute fire door incorporating smoke seals
- 30 minute fire door without smoke seals
- 1.0sqm AOV at head of stair
- 0.6-0.8sqm Mechanical Smoke Shaft in accordance with BS EN 12101
- OV — 0.5sqm Manually Openable Vent on External Wall
- Indicative fire mains inlet location
- Dry fire mains outlet
- Travel Distance (m)
- Location of vertical cavity barrier
- Location of firefighting lift
- Zone which will be vented via a mechanical smoke shaft in accordance with BS EN 12101-3
- Location of temporary waiting space incorporating an emergency voice communication system complying with BS 5839-9.
- Store separated from firefighting stair with construction achieving 120 minutes fire resistance.



FIRE DOORS
All fire doors will be self closing and incorporate smoke seals except for lift doors and service riser doors. Service riser fire doors will be kept locked shut.

SERVICE RISERS
Compartmentation will be maintained at all service risers either by forming protected shafts or alternatively by horizontal fire separation at each floor level to maintain the required 120 minutes fire resistance. Any service riser not shown to form a protected shaft will be horizontally fire separated.

FIRE DAMPER
Any ductwork penetrations passing through fire resisting barriers to be appropriately protected to maintain the integirty of the fire resisting barrier in line with the recommendations of the Non-Domestic Technical Handbook.

FIRE STOPPING
Fire stopping to penetrations through fire resisting construction including walls, floors and cavity barriers to have equal fire stopping or collar as required.

The dry riser in the firefighting shaft will be fire stopped at each floor level.

CAVITY BARRIERS
Cavity barriers will be provided in all concealed spaces as outlined in the Non-Domestic Technical Handbook including vertically where illustrated on plans. Except where vertical cavity barriers are provided at the junction of compartment walls with external walls, the location of other vertical cavity barriers is indicative and may be subject to the distance between vertical cavity barriers not exceeding 20m. Partitions between bedrooms to be carried full storey height. Alternatively, walls between bedrooms which do not continue full storey height will be provided with cavity barriers. Cavity closers will be provided around any openings such as window and door frames within the building elevation. These cavity closers may be formed of steel (at least 0.5mm thick) or timber (at least 38mm thick).

Cavity barriers will be provided between each compartment floor.

AUTOMATIC FIRE DETECTION
The building will be provided with an automatic fire detection system achieving L1 standard in accordance with BS 5839-1.

MANUAL OVERRIDES
The mechanical smoke shaft and vents highlighted on this drawing will be provided with manual overrides at Ground and Thirteenth Floor near the firefighter access point.

OTHER FIRE SAFETY SYSTEMS
Emergency lighting will be provided in accordance with BS 5266-1 and will be provided thoughout common areas and any external escape routes to illuminate escape in these areas in the event of mains failure. A separarate system will be provided for the stairs.

Exit signs will be provided in line with Non-Domestic Technical Handbook and BS 5499-1 and 4. Suitable signage will also be provided for disabled refuges.

EXTERNAL WALL CLADDING
External wall cladding less than 1m from the relevant boundary for external fire spread will be non-combustible. External wall cladding more than 1m from the relevant boundary will be non-combustible or achieve a low risk reaction to fire classification as described in Annex 2.E of the Non Domestic Technical Handbook. Insulation will be non combustible.

This drawing does not address any additional requirements set out in documents such as Brand Standards or Insurer Policies

This drawing is to be read in conjunction with the fire engineering report (CGS331/R2) submitted with the building warrant application to Glasgow City Council's Building Standards and the Scottish Fire and Rescue Service in support of the alternative means of compliance applications.

N

0 5 10 15 20

VISUAL SCALE BAR 1:100 @ A1

REV:	DESCRIPTION:	BY:	DATE:

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Fire Strategy Plans

Project	Hotel Building, Renfrew Street Broadway , Glasgow		
Drawing Title	5th, 7th & 9th Floors	BY: RMN	CHK: CMB
Scale: 1:100@ A1	Date: 28/06/19	Drawing No.: DB/775/FS/106	Revision: -