

London School of Hygiene and Tropical Medicine - Keppel St.

Phase3B: Central wing - L4, L5 & L6 D&A: Removal of Original Doors

This document is additional information on the removal of original doors within the LSHTM Ph3B proposed scheme to supplement the Design and Access Statement submitted for the Planning Application #2022/4935/P.

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6.10

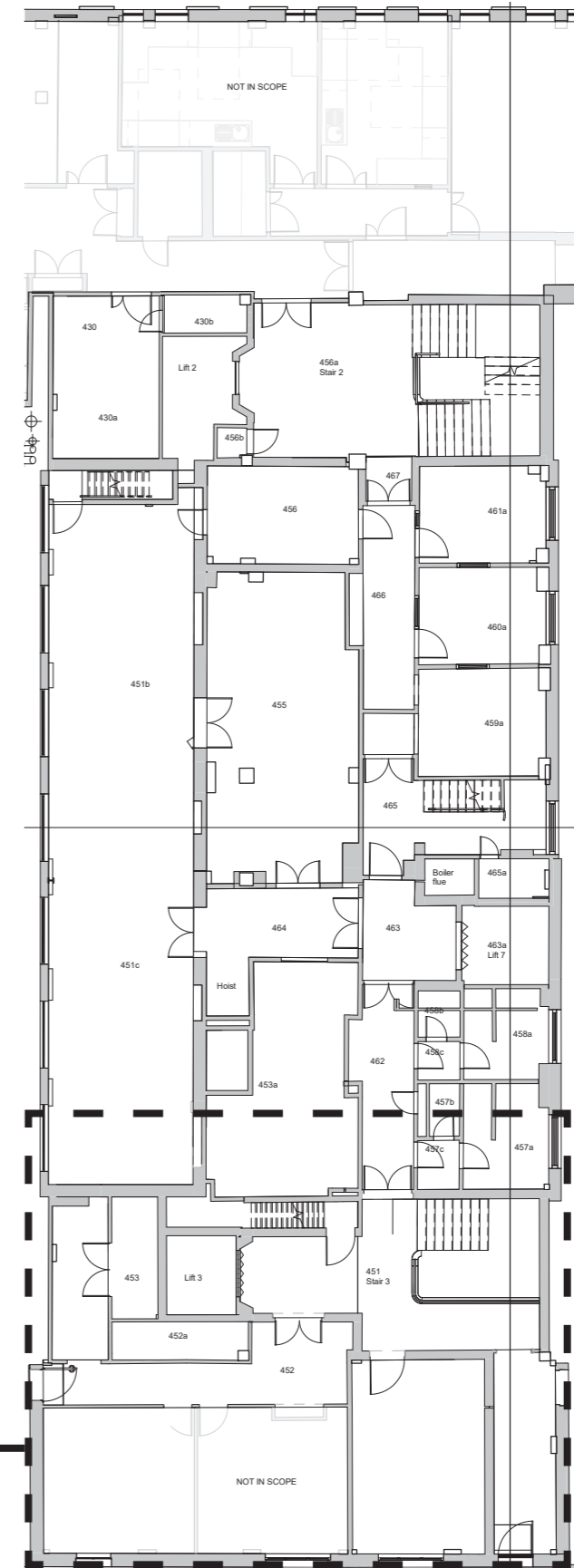
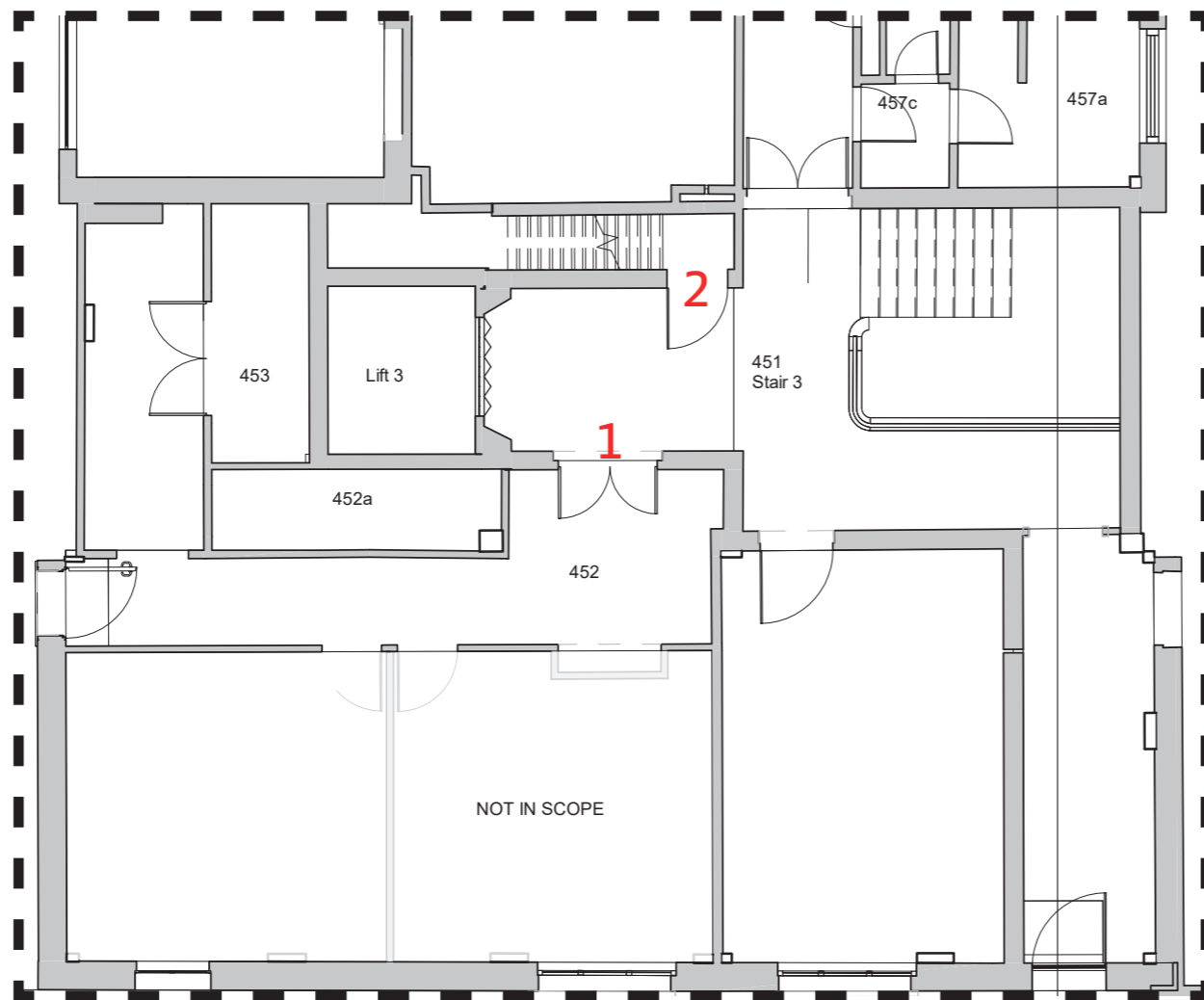
Removal of Original Doors

6.10.1 Existing L4 Floor Plan

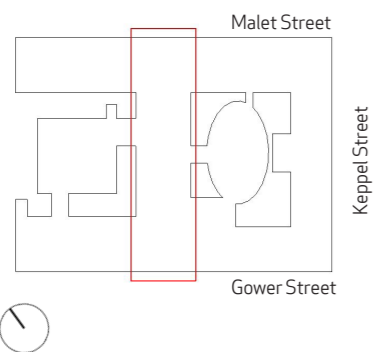
To accommodate the Gower Street Stairwell extension, the landing to Level 04 requires refurbishment works to upgrade the core to current building regulations, particularly Part B, Fire. For this upgrade, 2 door sets on Level 4, within the Gower Street Stairwell Core, which appear to be original, need to be removed and/or demolished as they are now redundant and are no longer fit for purpose to be used elsewhere within the refurbished areas.

Original doors to be removed are **Door set 1** & **Door set 2** as noted below on the existing floor plan:

See following sheet for further information on each original door set.



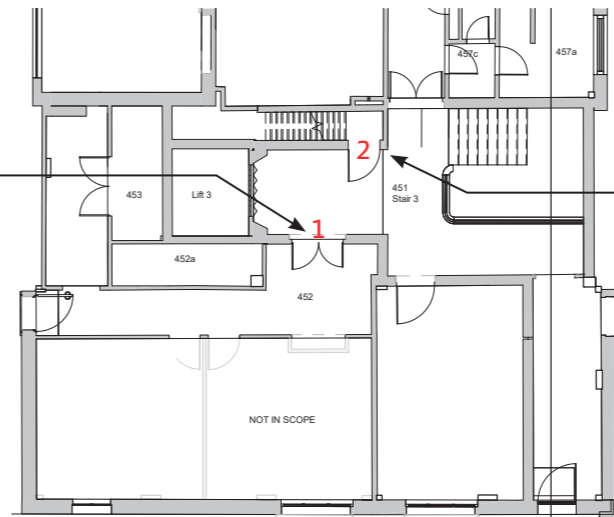
Refer to **Appendix A** for Planning drawings.



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Removal of Original Doors

6.10.2 Original Door set 1 & 2



Door set 1

This is a double door set connecting the current Gower stairwell core to the adjacent circulation corridor. Due to the proposed reconfiguration of the corridor and stairwell to accommodate the new extension it will now be made redundant.

Existing door is in poor condition due to heavy use within a main circulation corridor. Original ironmongery has not survived and there are penetrations in the door, no longer adaptable due to damage, where previous door handle/key lock was. Door seals are damaged therefore doors do not close effectively. Removing and reinstalling the door elsewhere will likely only worsen the damage to this doorset.

Although it sits within a fire escape route and is marked as fire doors, the poor condition of this double door set will not meet Part B fire regulations, Part M access requirements or LSHTM secure access and control requirements as set by Home Office for this secure area of laboratories within this scheme. Therefore this double door set is no longer fit for purpose for use within this refurbished scheme.

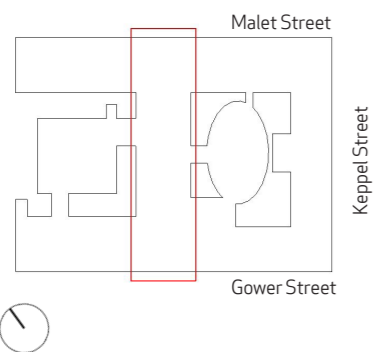
Door set 2

This is a single door set providing escape from the protected stair from Level 5 down to Level 4's Gower stair. Due to the proposed reconfiguration of the Gower Stairwell to accommodate the new extension up to Level 6, this protected stair is now made redundant and needs to be demolished to accommodate the extension, as a result the above doorset is also now made redundant.

Existing door set is in poor condition and the original ironmongery has not remained.

Although it sits within a fire escape route, it is not marked as a fire door, the poor condition of this double door set will not meet Part B fire regulations, Part M access requirements or LSHTM secure access and control requirements as set by Home Office for this secure area of laboratories within this scheme. Therefore this single door set is no longer fit for purpose for use within this refurbished scheme.

Refer to **Appendix A** for Planning drawings.



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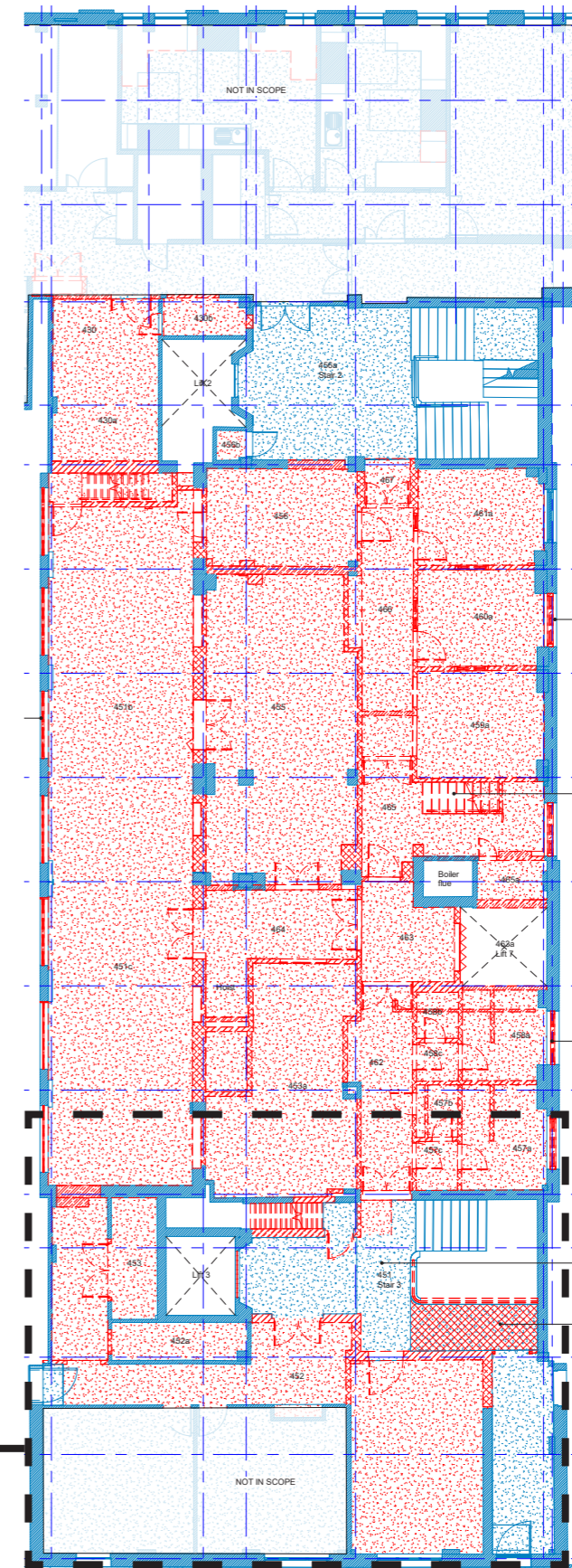
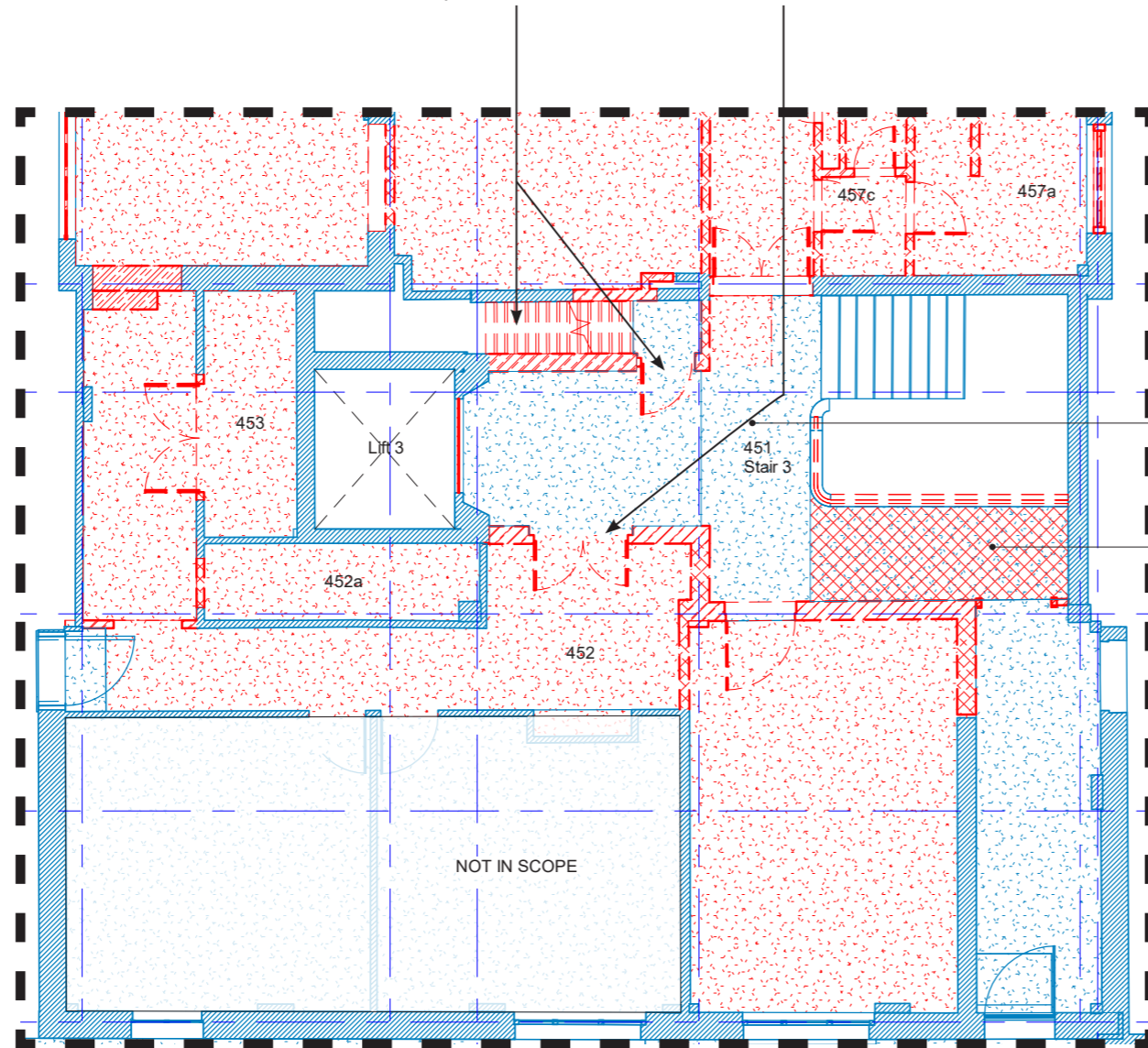
Removal of Original Doors

6.10.3 Demolition L4 Floor Plan

See below the demolition plans for Level 04.

Stair/fire escape from Level 5 down to Level 4 to be demolished, including stairwell enclosure and door to allow reconfiguration of Gower stair well core and new extension up to Level 6.

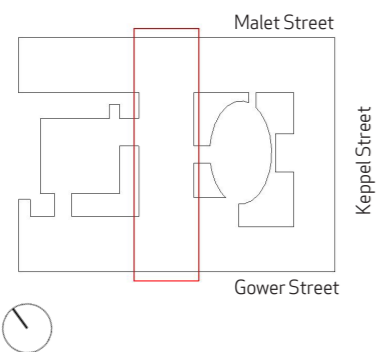
Existing circulation corridor wall to be demolished to allow reconfiguration of Gower stair well core and allow new extension up to Level 6, this includes demolition of door set below.



KEY

	Existing
	Demolition
	Floor finish / Roof covering demolition
	Slab demolished
	Not in scope

Refer to **Appendix A** for Planning drawings.



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Removal of Original Doors

6.10.4 Proposed L4 Floor Plan

Reconfiguration of Gower Core on L4 shown on proposed plan below. A new door introduced for connection between Gower Stairwell and circulation corridor. Previous corridor wall to circulation shown in red dashed line. Door set 1 is removed from demolished wall, it would be difficult to upgrade this door to meet Part B, Part M and security standards, and is too wide to fit in proposed location of proposed scheme which introduces a ramp within the corridor to create level access to L4.

Fire escape stair from L5 to L4 no longer required due to new extension to main stairwell. Fire escape stair and wall to be demolished to create access from new corridor on L4, reconfigured to suit access main stairwell. Demolished wall to fire escape stair shown with red dashed line, Door set 2 is made redundant and removed from scheme.

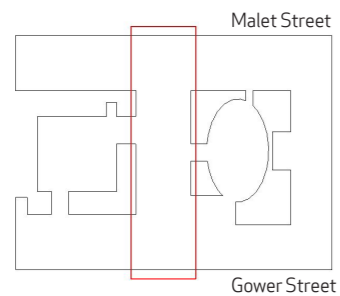
Gower stair well extended up to Level 6.

Existing door openings closed off to accommodate new stairwell extension.

New passenger lift proposed within existing goods lift shaft to create level access to L4 as part of proposed scheme for new extension to Gower Stairwell core.

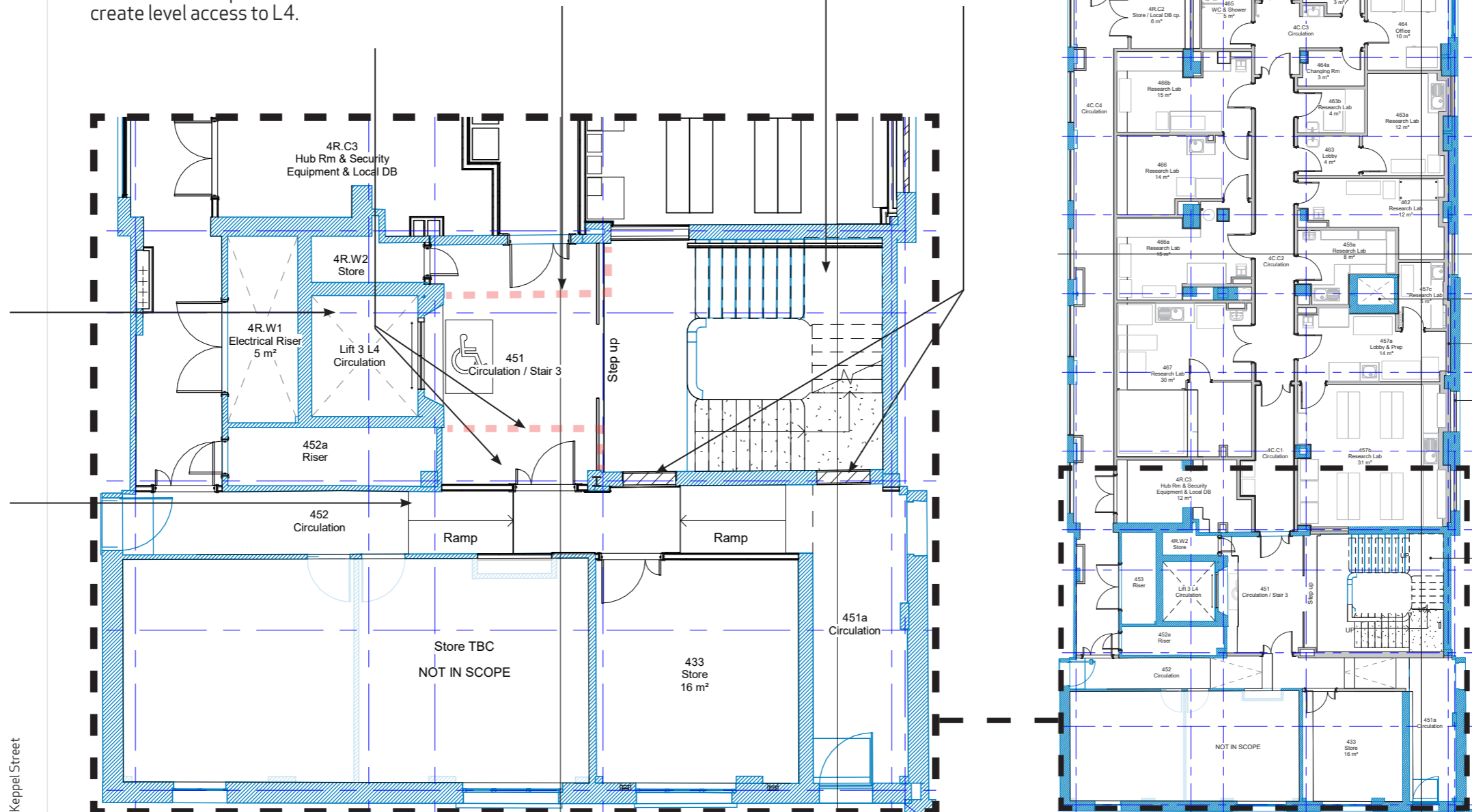
New ramps to reconfigured corridor to create level access to L4. Built within existing constraints of rooms/doors.

Refer to **Appendix A** for Planning drawings.



Keppel Street

Gower Street



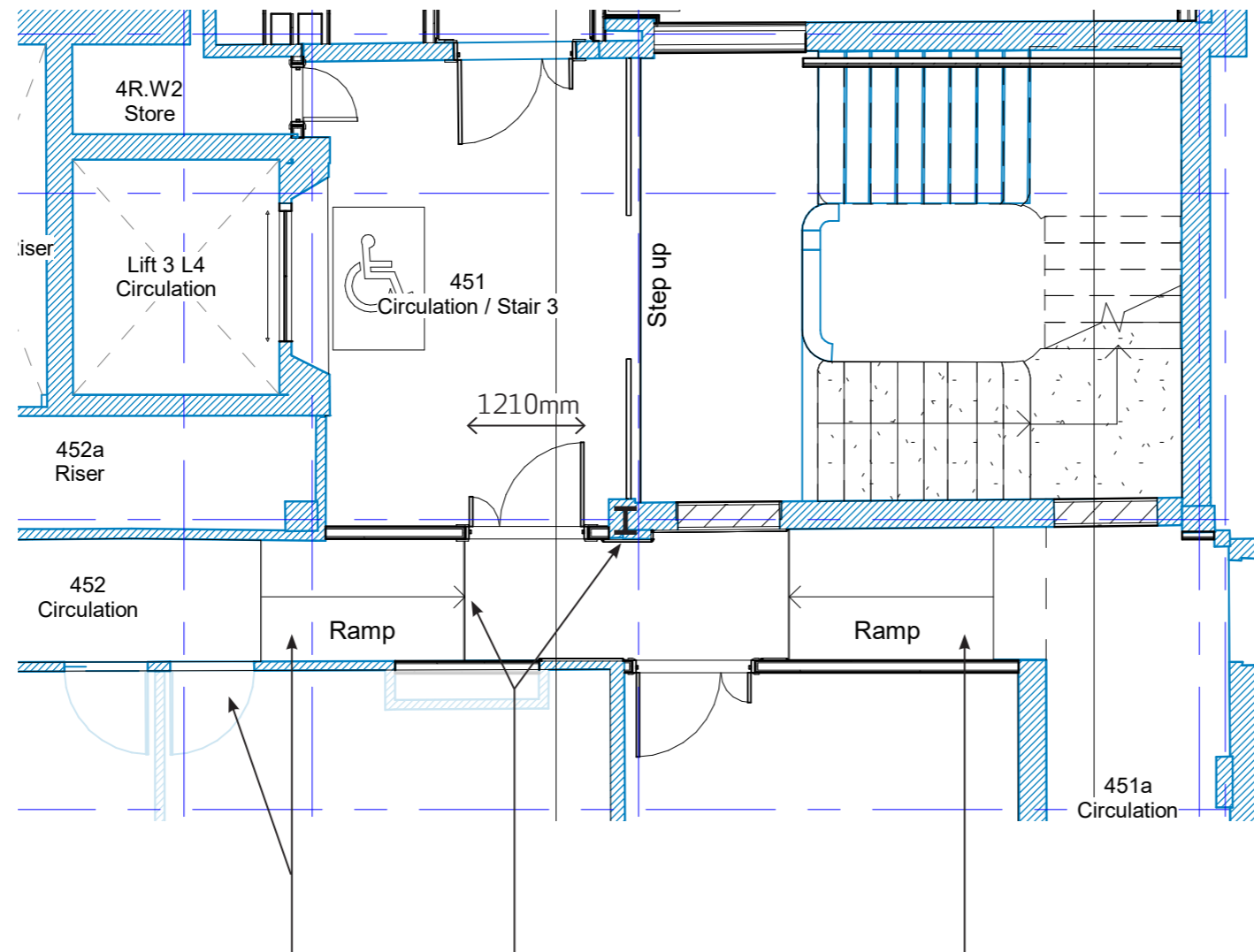
KEY

- Existing
- Proposed

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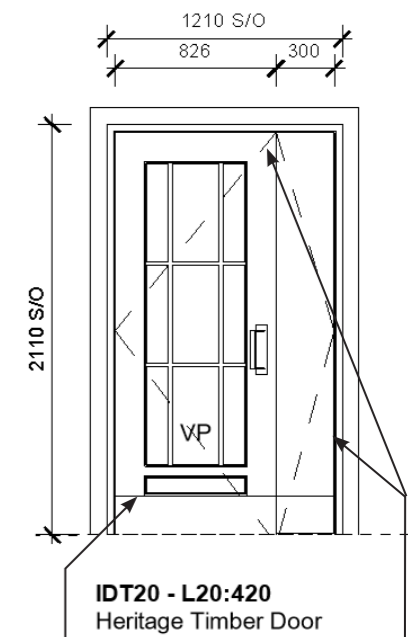
Removal of Original Doors

6.10.5 New door to Level 4 Gower Stairwell Core



The door sets proposed to the Level 4 Gower Stairwell core are not replacing any existing original doors. New walls are built to form the main stair core extension. The doors within this circulation space are designed to align with the heritage style of original doors within circulations and cores within LSHTM, see drawing adjacent which show the design of new leaf and a half doors for Level 4 core. This logic is also applied to L5 and L6 Gower stairwell cores.

The original doorset within this core on L4 is a double door set, and of a different design to the majority of the original doors found within LSHTM. The proposed door will not be a double doorset due to constraints outlined on the adjacent plan but will instead be a leaf and a half. Therefore for consistency the proposed door has been designed to imitate the more common design of original door sets as a leaf and a half. See images below.

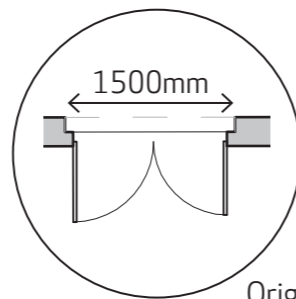


Door proportions, vision panels, mullions and beading details to imitate original doors throughout LSHTM as shown in image below. No top light or side lights due to size restrictions in this location.

New ramps to reconfigured corridor to create level access to L4. Built within existing constraints of existing rooms/doors, at minimum length to meet Part K Building Regulations

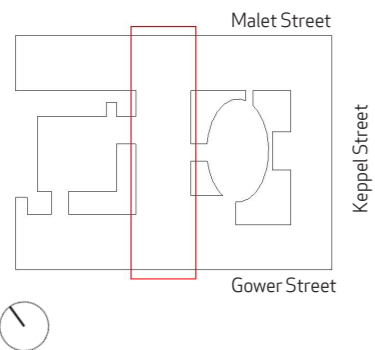
New door located between proposed ramp and existing structural constraint (column), limiting width of proposed door. Original Door set 1 is 1500mm width whereas this opening only allows maximum 1210mm width.

New ramps to reconfigured corridor to create level access to L4. Built within existing constraints of existing rooms/doors, at minimum length to meet Part K Building Regulations



Original door set 1

Refer to **Appendix A** for Planning drawings.



Original door set 1



Original door sets found throughout LSHTM