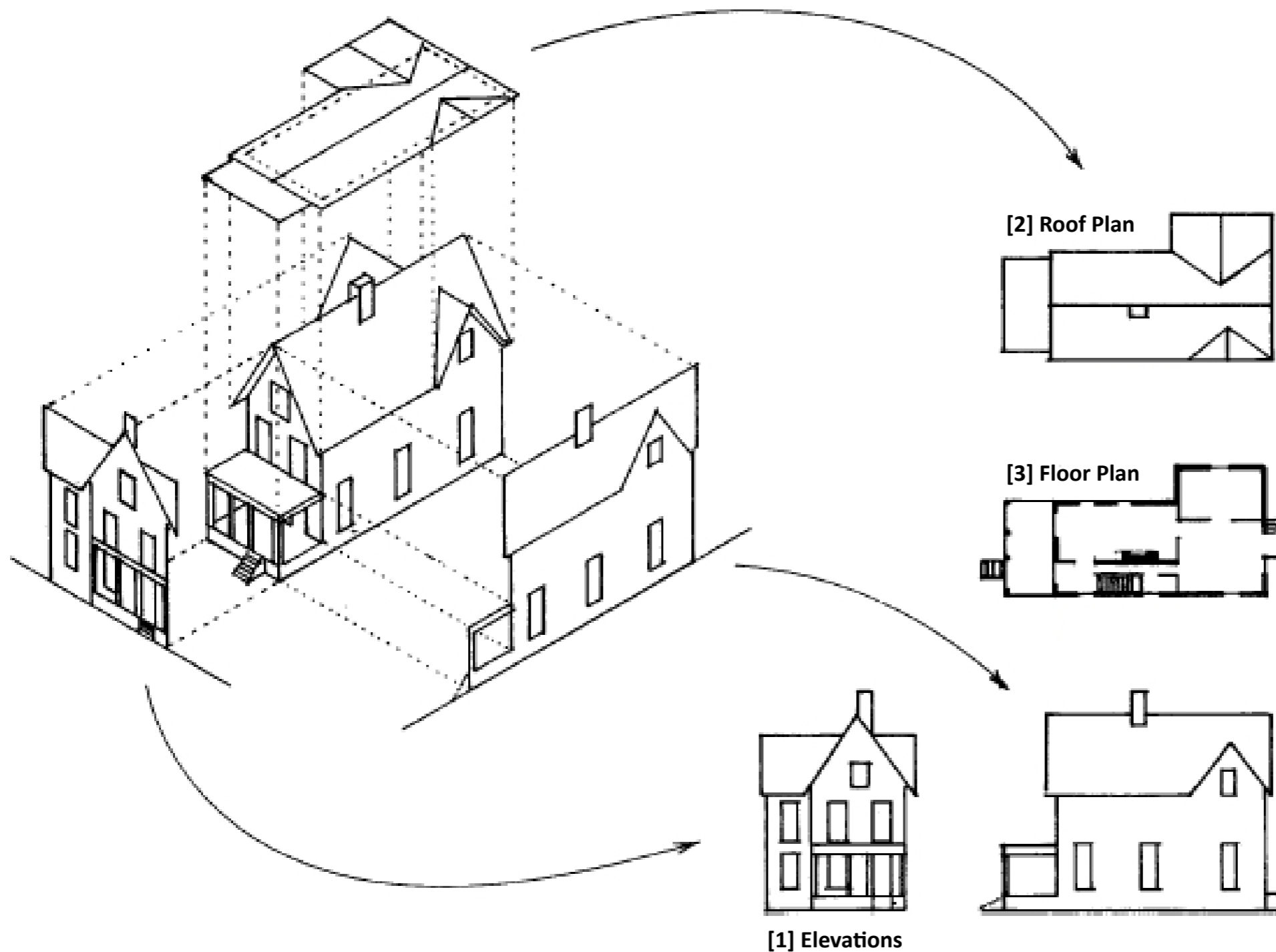


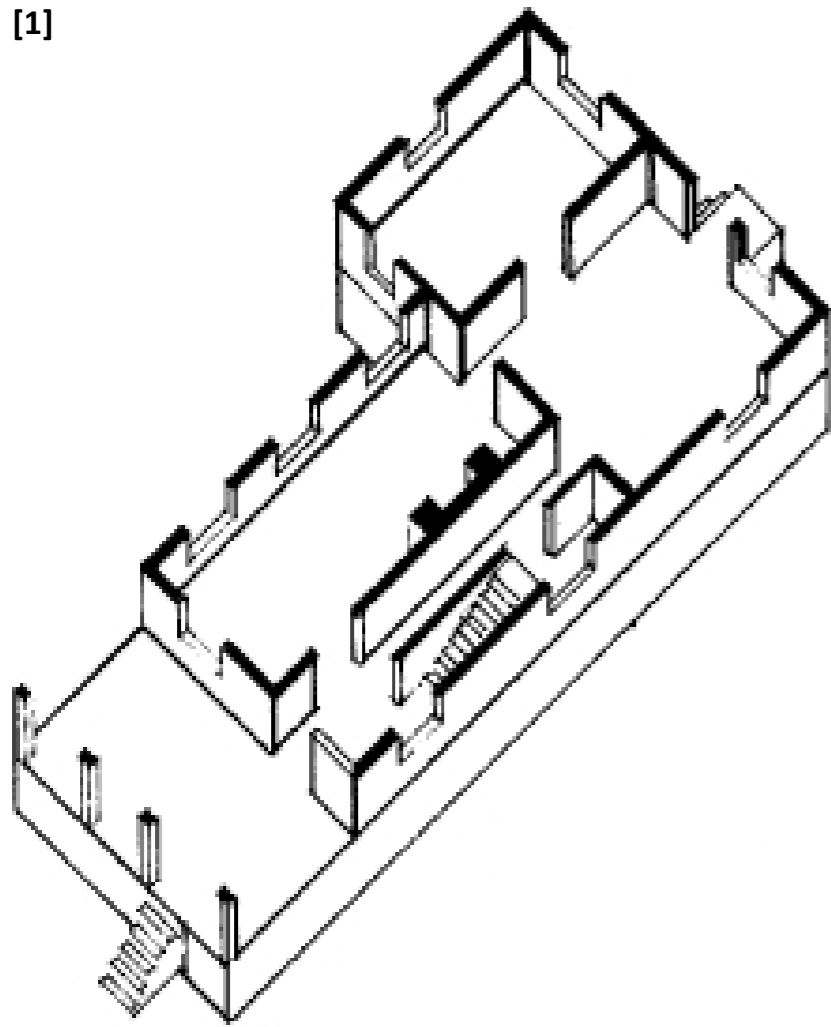
# How to Read Architectural Drawings



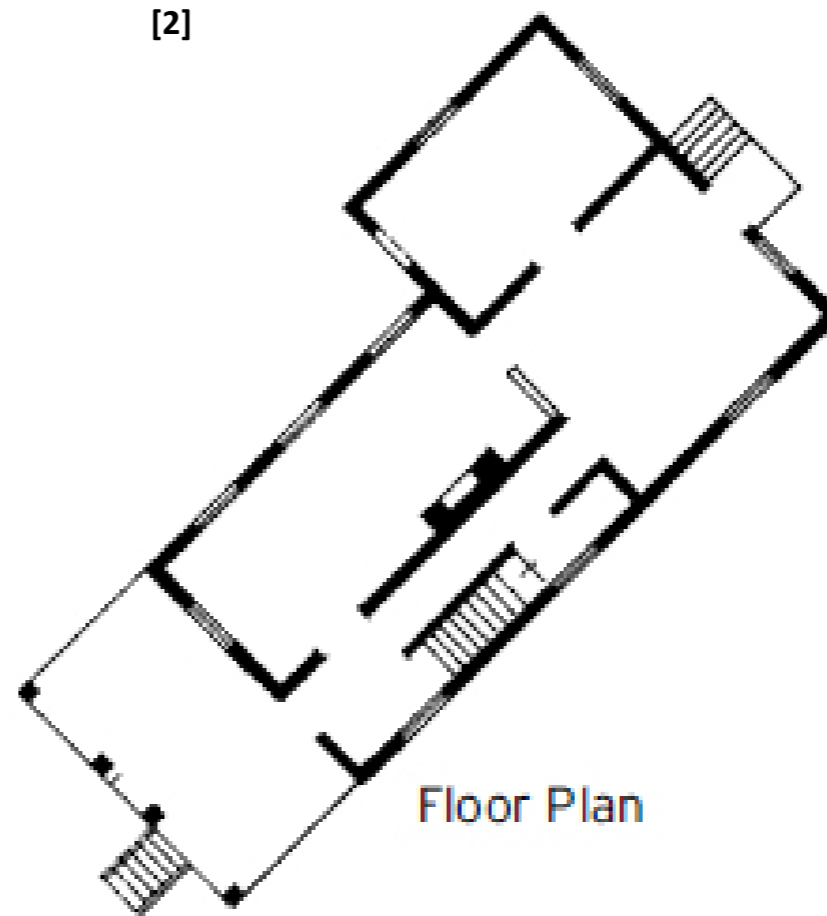


- Elevations are **external**
- Plans can be used to show '**internal**' or '**external**' and is a view from above
- For example roof plan or landscape plan look at '**external**'. But a floor plan is '**internal**' spaces

[1]

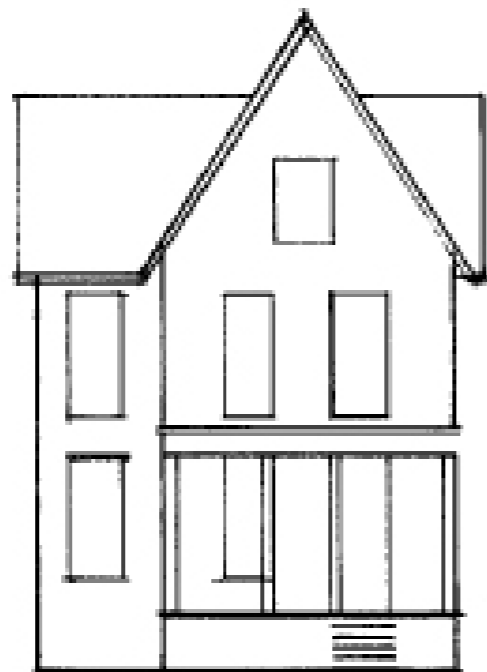


[2]



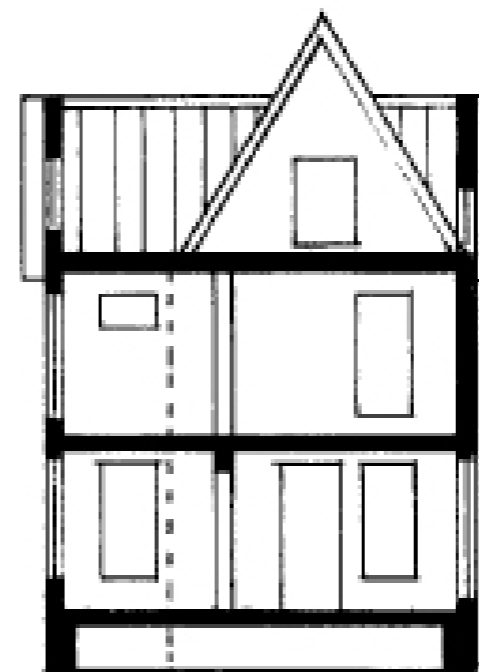
#### Plan:

- A horizontal 'cut' usually at +1m from floor level
- A thick or filled line indicates what has been cut through



[3]

Elevation

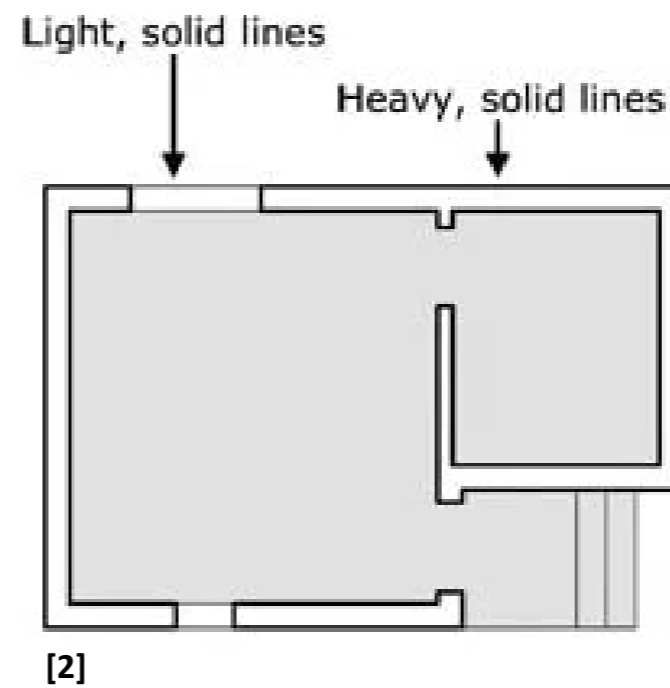
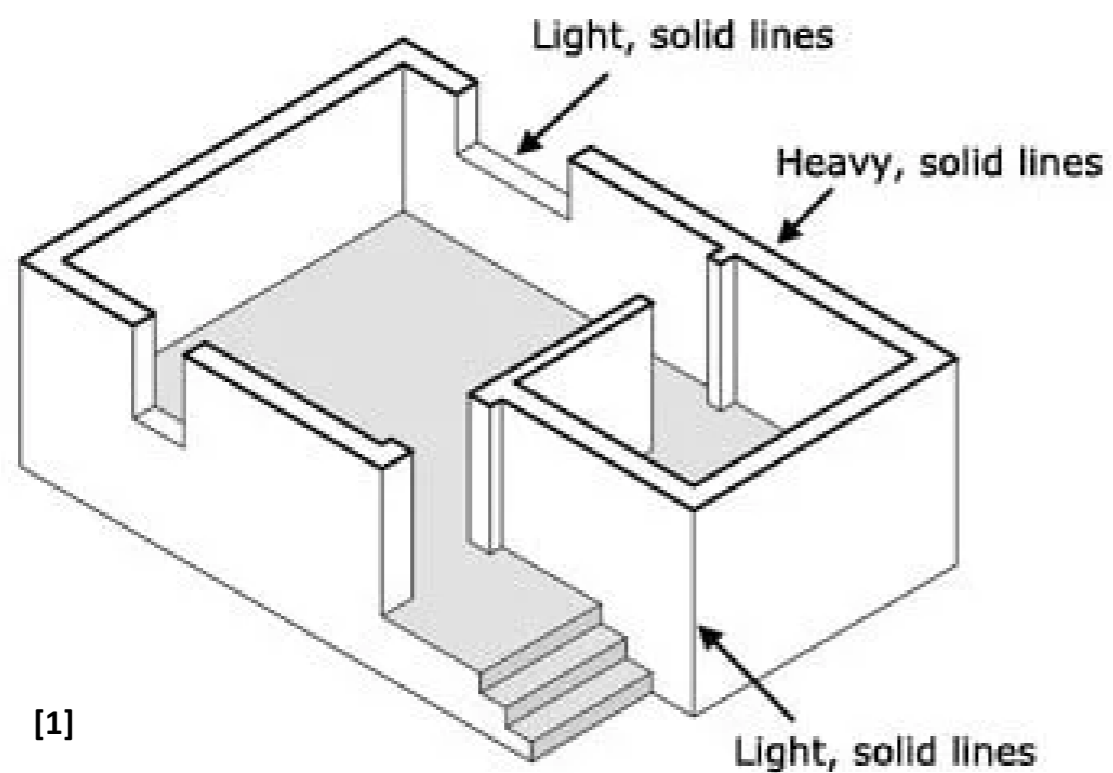


[4]

Section

#### Section:

- A 'cut' or vertical slice through the building
- A thick or filled line indicates what has been cut through



### Line weights:

- Used as a tool to communicate what's being cut through, and what's in the 'distance'

Site Plans: are used to  
situate a project



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Notes

Site boundary

Revision	Date	Drawn by	Checked by	Description
Scale	Size	Date First Issue		
1:200	A1	14/08/19		
Drawn by	Checked by			
CR	AM			

Project  
Lewisham Temporary and  
Supported Living Accommodation.  
Mayow Road, London. SE23

Drawing  
Proposed Site Location Plan

Drawing number  
18047-PL-MAY-SI-001

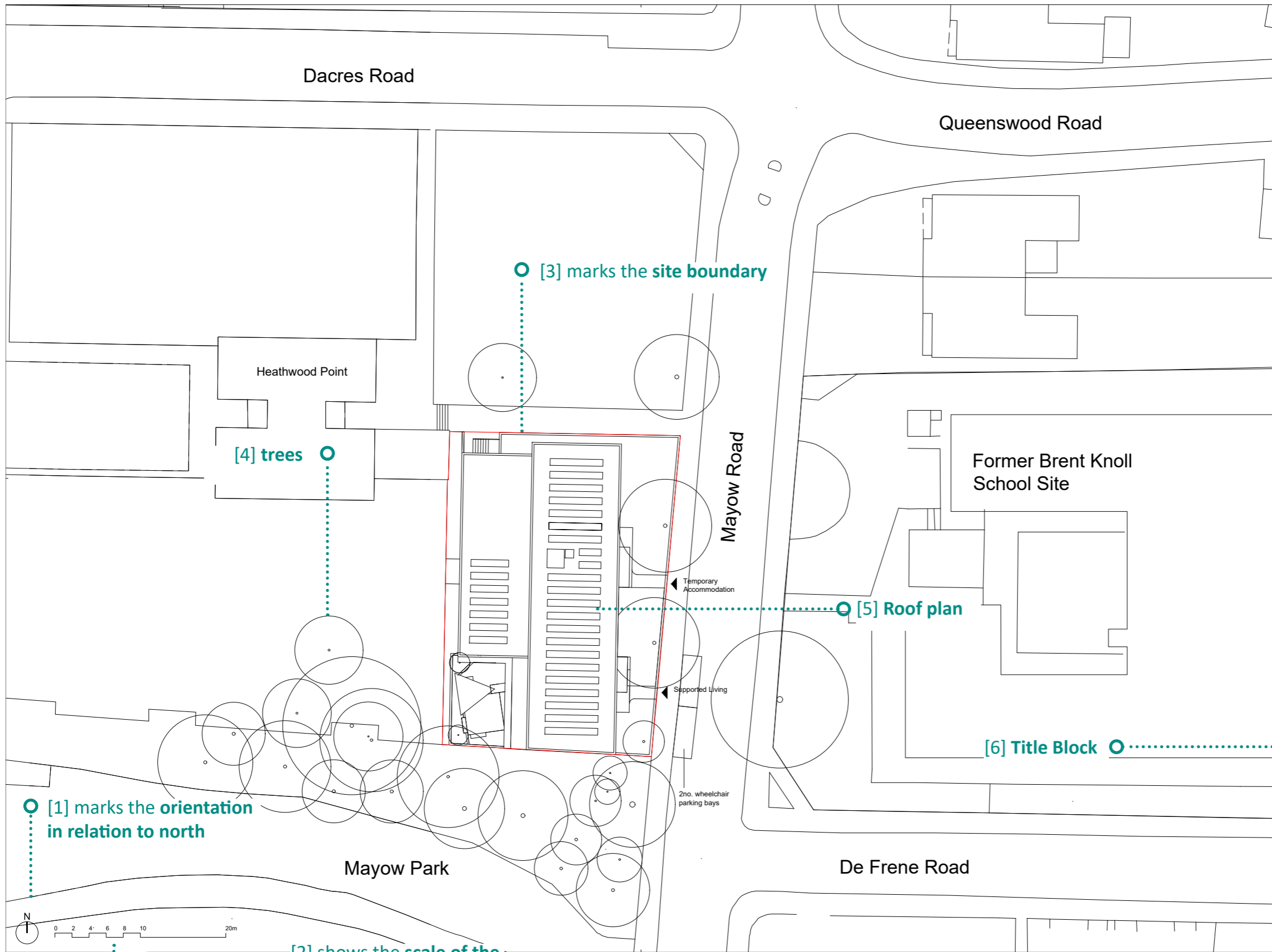
Revision  
-

Status  
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Lewisham Temporary and Supported Living Accommodation.  
Mayow Road, London. SE23

**Drawing**  
Proposed Site Location Plan

**Drawing number**  
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Floor Plans: are used to convey internal spaces, layouts and access



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Project  
Lewisham Temporary and  
Supported Living Accommodation.  
Mayow Road, London. SE23

Drawing  
Ground Floor Plan

Drawing number  
18047-MAY-PL-GA-001

Revision

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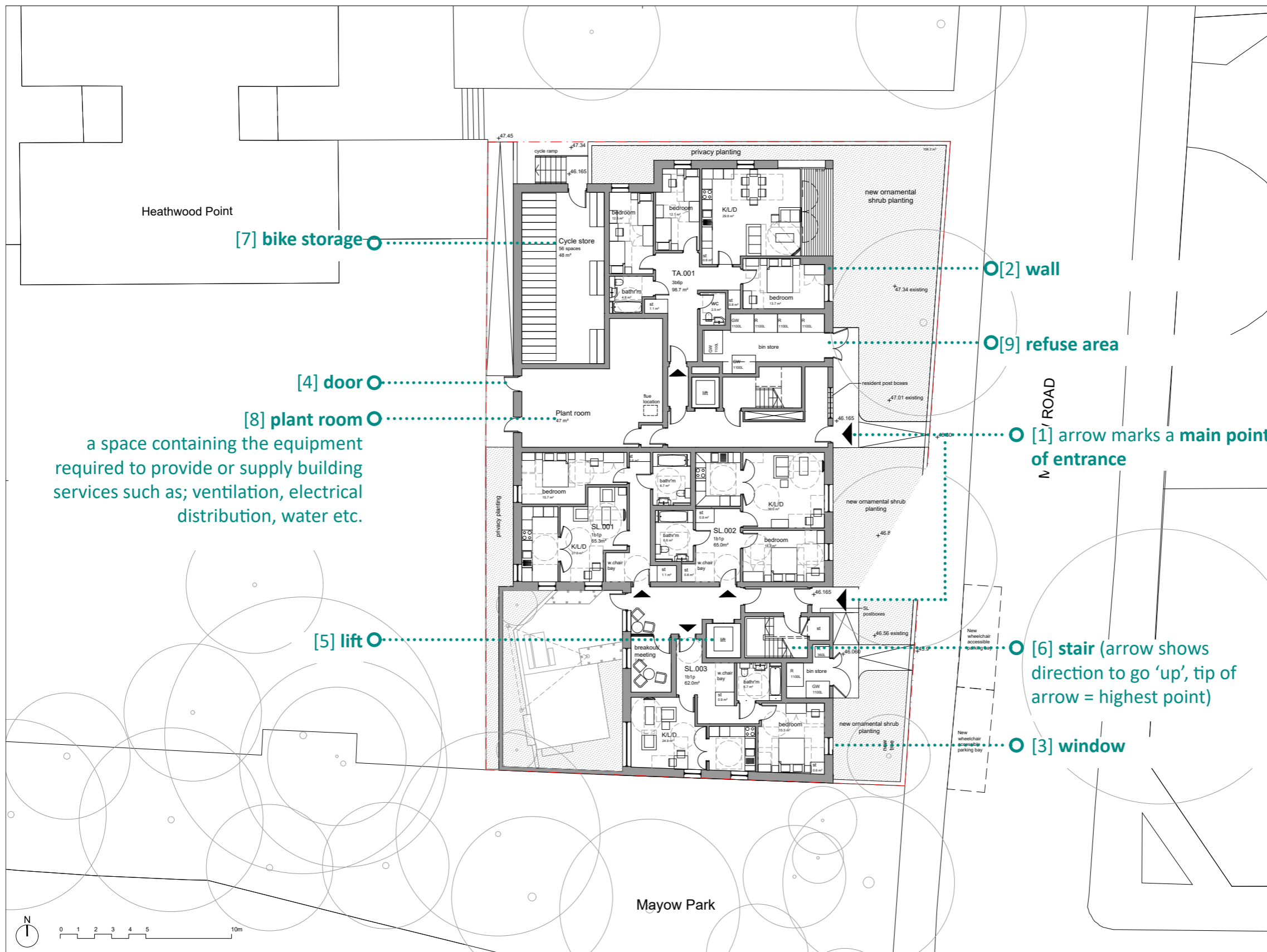
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Mayow Road, London. SE23

Drawing  
Ground Floor Plan

Drawing number  
18047-MAY-PL-GA-001

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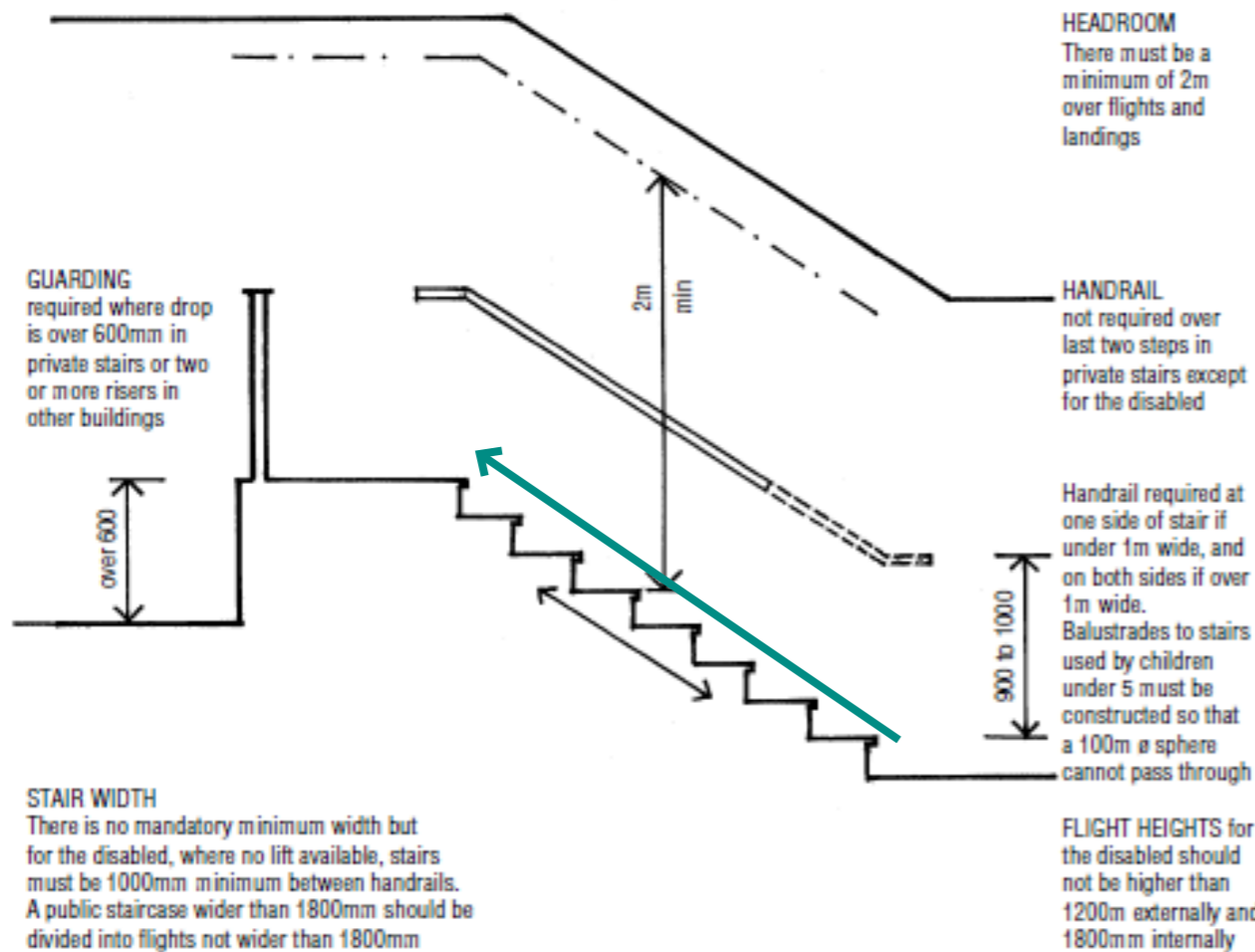
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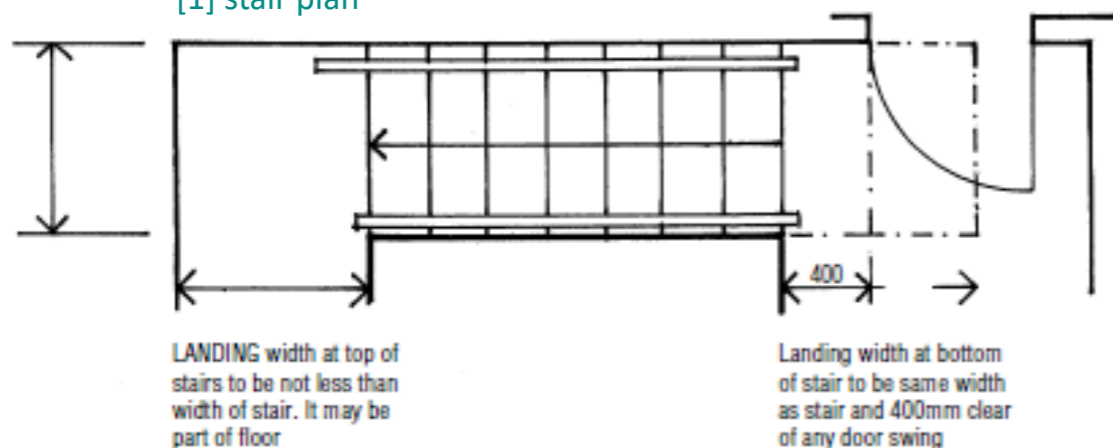
# Stairs

## Building Regulations requirements

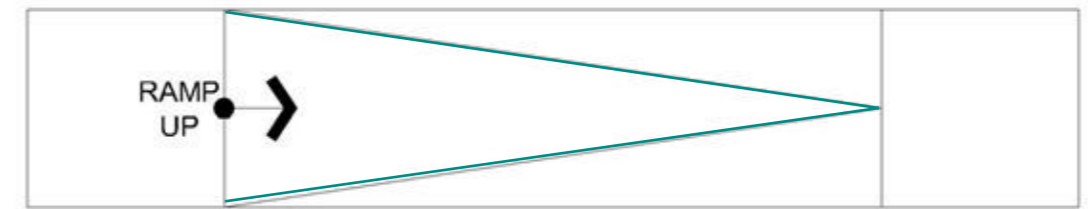
[2] stair section



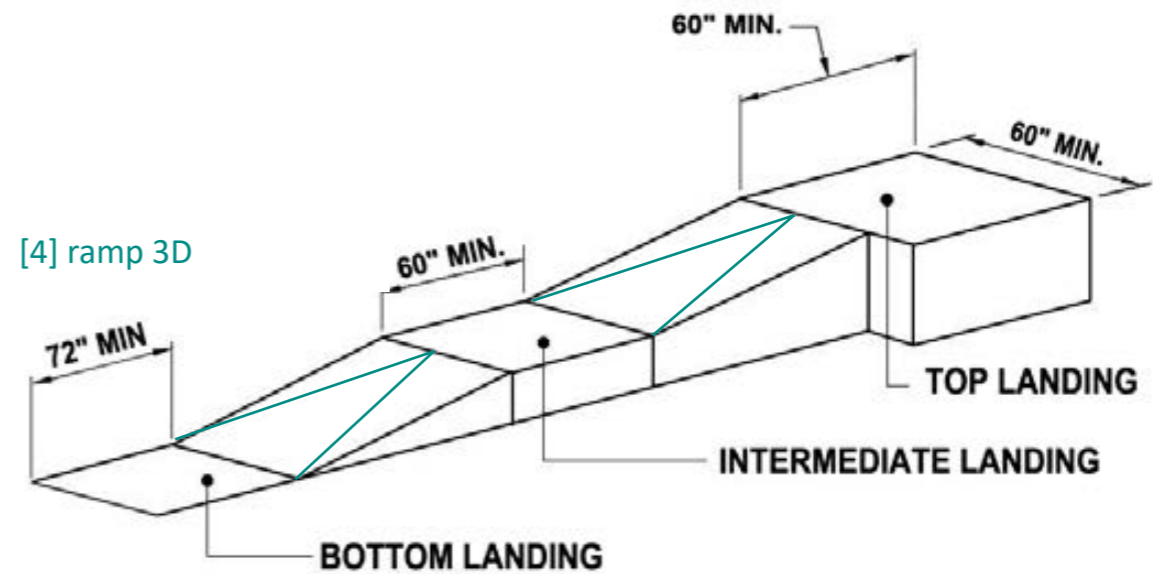
[1] stair plan



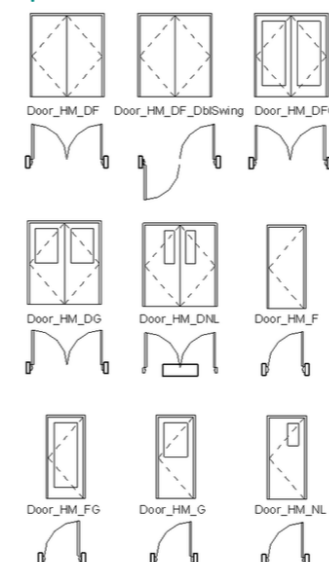
[3] ramp plan



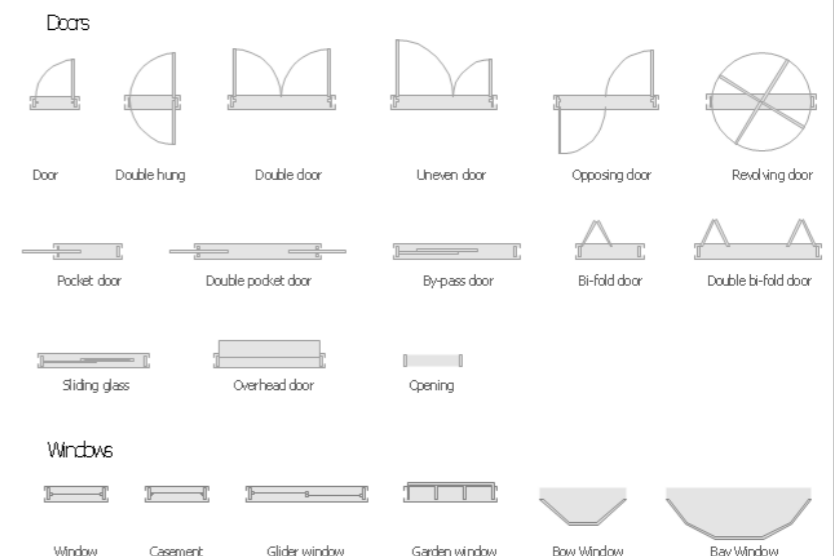
[4] ramp 3D



[5] door elevation + plan



[6] typical plan symbols





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**Project**  
Lewisham Temporary and  
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**Drawing**  
Upper Floor Plans  
(Levels 2,3,4,5)

**Drawing number**  
18047-PL-MAY-GA-003

**Revision**

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Project  
Lewisham Temporary and  
Supported Living Accommodation.  
Mayow Road, London. SE23

Drawing  
Upper Floor Plans  
(Levels 2,3,4,5)

Drawing number  
18047-PL-MAY-GA-003

Revision

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# London Housing Design Guide

INTERIM EDITION

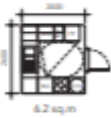
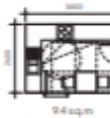





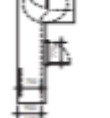

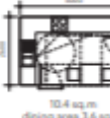

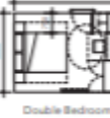

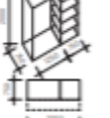

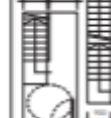


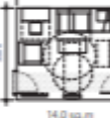
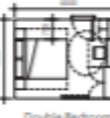


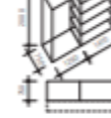



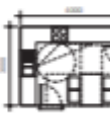

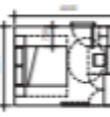

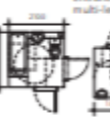

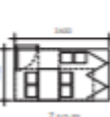

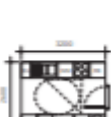
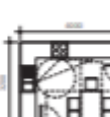








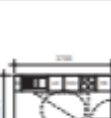
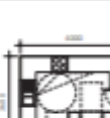










MAYOR OF LONDON

## Appendix 1 – Space Standards Study

This study of room sizes relative to designed occupancy levels is the basis of the minimum space standards (GIA) of Standard 4.1.1. To develop the space standards, each type of room was planned around the furniture listed in Appendix 2 and activity and access requirements. The GIA is the cumulative total of room areas plus an allowance for circulation and partitions.

A downloadable version of this document is available from <http://www.lda.gov.uk/publications-and-media/publications/design-guide.aspx>

	Kitchen <small>*see key to kitchen items</small>	Dining <small>dining area calculated as difference of kitchen dining and kitchen</small>	Living	Combined Kitchen/Living/Dining	Double	Twin	Single	Bathroom	Storage/Utility	Outdoor Amenity Space	Net Internal	Circulation	Partition walls allow 5%	GIA <small>(inc. amenity)</small>	Circulation Layouts <small>Plans for 3m floor to floor height 15 steps/230/230</small>
1-person	 6.2 sq.m	 9.4 sq.m dining area 3.2 sq.m	 12.0 sq.m	21 sq.m			 Bedspace 8.0 sq.m	 Shower Room 3.6 sq.m	 Storage 1p 1 sq.m	 4 sq.m	33.5 sq.m	1 Level Flat + 1.5 sq.m	2 sq.m	37 sq.m	 one level flat circulation area 6.5-12.5 sq.m
1-bed, 2-persons	 6.8 sq.m	 10.4 sq.m dining area 3.6 sq.m	 12.0 sq.m	23 sq.m	 Double Bedroom 12.0 sq.m			 Bathroom 4.4 sq.m	 Storage 2p 1.5 sq.m	 5 sq.m	41 sq.m	1 Level Flat + 6.5 sq.m	2.5 sq.m	50 sq.m	 ground level 1st level 2nd level two storey house circulation area 19 sq.m
2-bed, 3-persons	 7.5 sq.m	 11.2 sq.m dining area 3.6 sq.m	 14.0 sq.m	25 sq.m	 Double Bedroom 12.0 sq.m		 Single Bedroom 8.0 sq.m	 Bathroom 4.4 sq.m <small>required on entrance level for multi-level units</small>	 Storage 3p 2.0 sq.m	 6 sq.m	51.5 sq.m 54.5 sq.m	1 Level Flat + 6.5 sq.m 2 Storey House + 19 sq.m	3 sq.m 3.5 sq.m	61 sq.m 77 sq.m	 ground level 1st level 2nd level three storey house circulation area 25 sq.m
2-bed, 4-persons	 7.5 sq.m	 12.0 sq.m dining area 4.5 sq.m	 16.8 sq.m	27 sq.m	 Double Bedroom 12.0 sq.m	 Twin Bedroom 12.0 sq.m		 Bathroom 4.4 sq.m <small>required on entrance level for multi-level units</small>	 Storage 4p 2.5 sq.m	 7 sq.m	58 sq.m 60 sq.m	1 Level Flat + 8.5 sq.m 2 Storey House + 19 sq.m	3.5 sq.m 4 sq.m	70 sq.m 83 sq.m	 ground level 1st level 2nd level Alternative stair configuration
3-bed, 5-persons	 8.3 sq.m	 12.8 sq.m dining area 4.5 sq.m	 16.0 sq.m	29 sq.m	 Double Bedroom 12.0 sq.m	 Twin Bedroom 12.0 sq.m	 Single Bedroom 8.0 sq.m	 Bathroom + WC 6.8 sq.m <small>required on entrance level for multi-level units</small>	 Storage 5p 3.0 sq.m Option: Utility Room 3.6 sq.m	 8 sq.m	71 sq.m 72 sq.m 72 sq.m	1 Level Flat + 10.5 sq.m 2 Storey House + 19 sq.m 2 Storey House + 25 sq.m	4.5 sq.m 5.0 sq.m 5.0 sq.m	86 sq.m 96 sq.m 102 sq.m	
4-bed, 6-persons	 9.6 sq.m	 14.4 sq.m dining area 4.8 sq.m	 17.0 sq.m	31 sq.m	 Double Bedroom 12.0 sq.m	 Twin Bedroom 12.0 sq.m	 2 Single Bedroom 16.0 sq.m	 Bathroom + WC 6.8 sq.m <small>required on entrance level for multi-level units</small>	 Storage 6p 3.5 sq.m Option: Utility Room 3.6 sq.m	 9 sq.m	81.5 sq.m 82.5 sq.m 82.5 sq.m	1 Level Flat + 12.5 sq.m 2 Storey House + 19 sq.m 2 Storey House + 25 sq.m	5.0 sq.m 5.5 sq.m 5.5 sq.m	99 sq.m 107 sq.m 113 sq.m	

**Variations**

3-bed, 4-persons  
1 level flat: 70-12+(8x2)  
= 74 sq.m  
2 storey house: 83-12+(8x2)  
= 87 sq.m  
3 storey house: 87+6  
= 93 sq.m

3-bed, 6-persons  
1 level flat: 99-16+12  
= 95 sq.m  
2 storey house: 107-16+12  
= 103 sq.m  
3 storey house: 113-16+12  
= 109 sq.m

4-bed, 5-persons  
1 level flat: 86-12+(8x2)  
= 90 sq.m  
2 storey house: 96-12+(8x2)  
= 100 sq.m  
3 storey house: 102-12+(8x2)  
= 106 sq.m

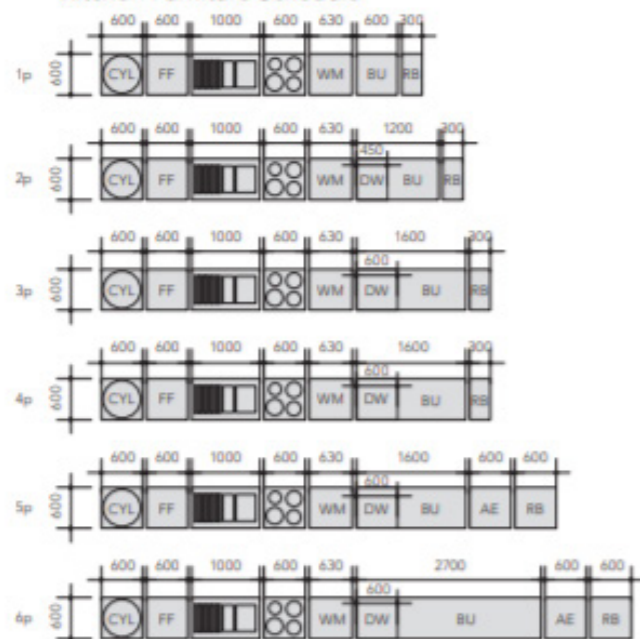
**\*Key to Kitchen Items**

AE: Auxiliary Equipment  
BU: Base Unit  
CYL: Hot Water Cylinder  
DW: Dishwasher  
DW: Dishwasher optional  
FF: Fridge Freezer  
WB: Wastegate Bin  
SU: Storage Unit  
T: Top Space  
WM: Washing Machine

## Appendix 2 - Furniture Schedule

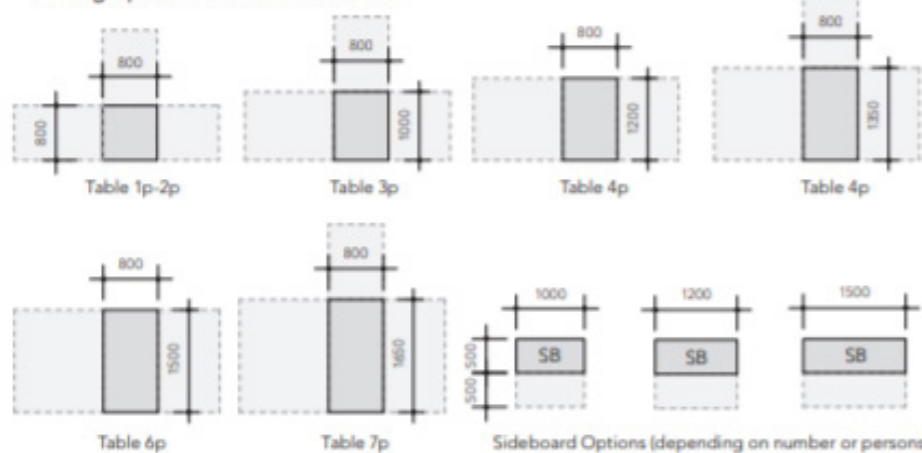
The following schedule of furniture should be shown on dwelling plans to demonstrate Requirement 4.1.2. The furniture formed the basis of the Space Standards Study in Appendix 1.

### Kitchen Furniture Schedule

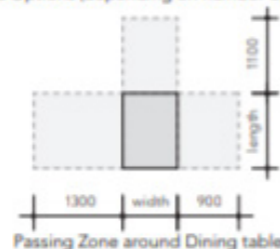
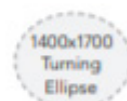


Key to Items  
 AE Ancillary Equipment  
 BU Base Unit  
 CYL Hot Water Cylinder  
 DR Drawers  
 DW Dishwasher-optional  
 FF Fridge Freezer  
 RB Recycle Bins  
 SU Storage Unit  
 T Tray Space  
 WM Washing Machine

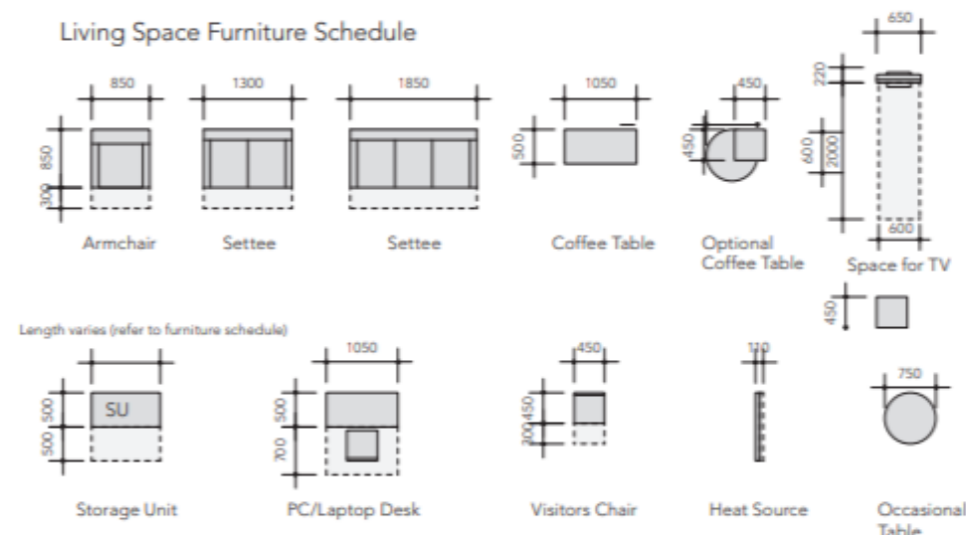
### Dining Space Furniture Schedule



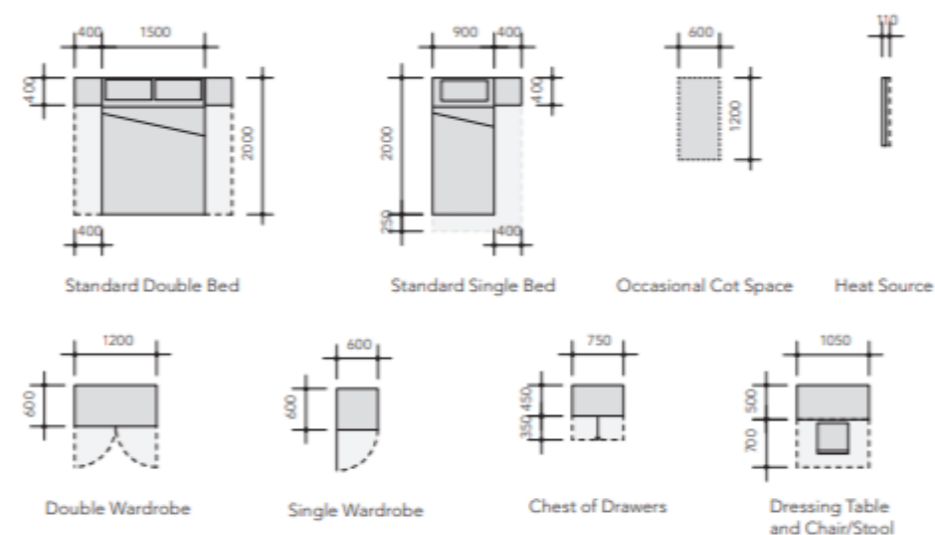
### Circulation Zones



### Living Space Furniture Schedule



### Bedroom Space Furniture Schedule



### Activity Zones



Dressing/Drying Space 700x1100



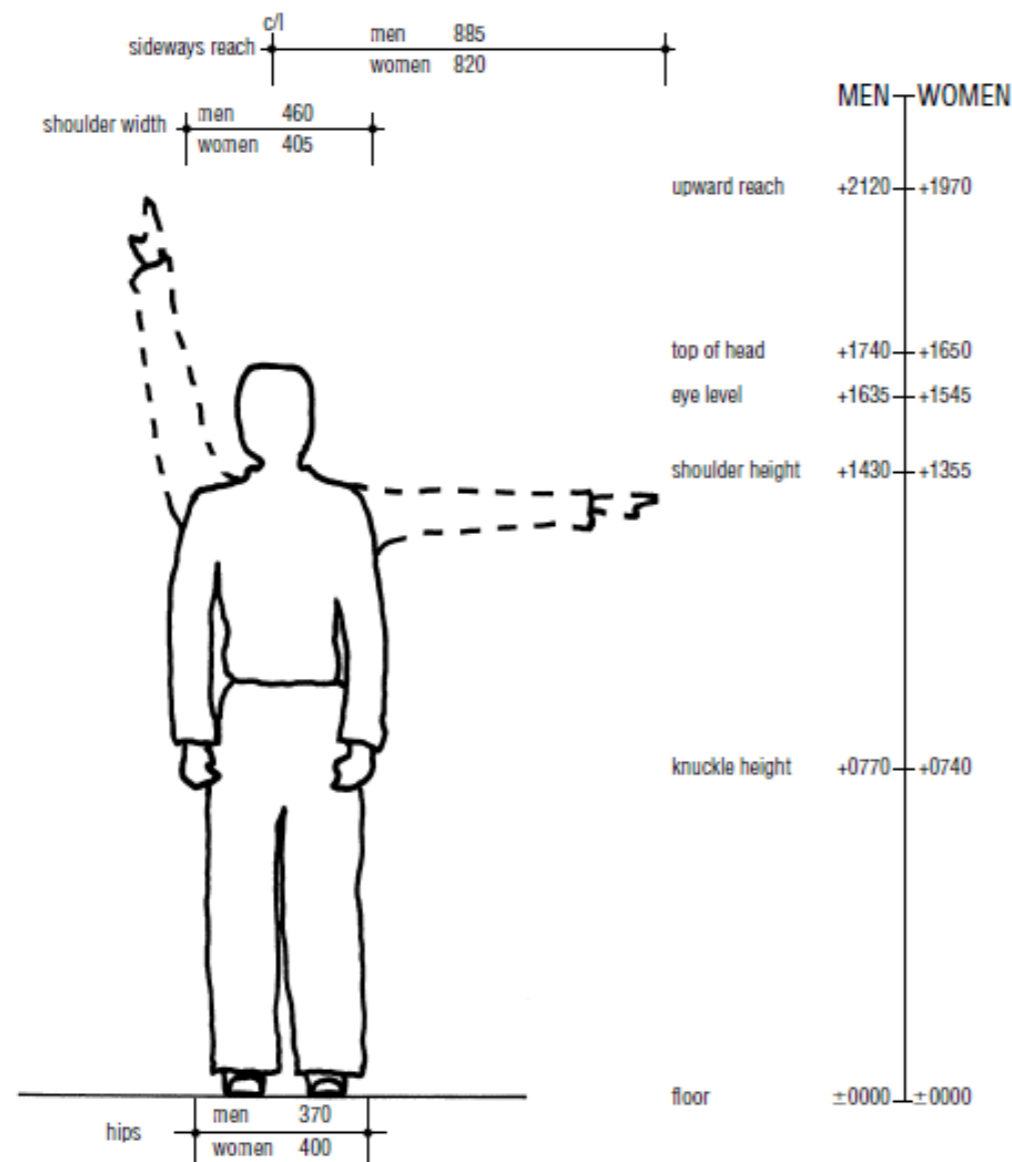
Bed Making Space 400x Length of Bedspace



## Anthropometric data

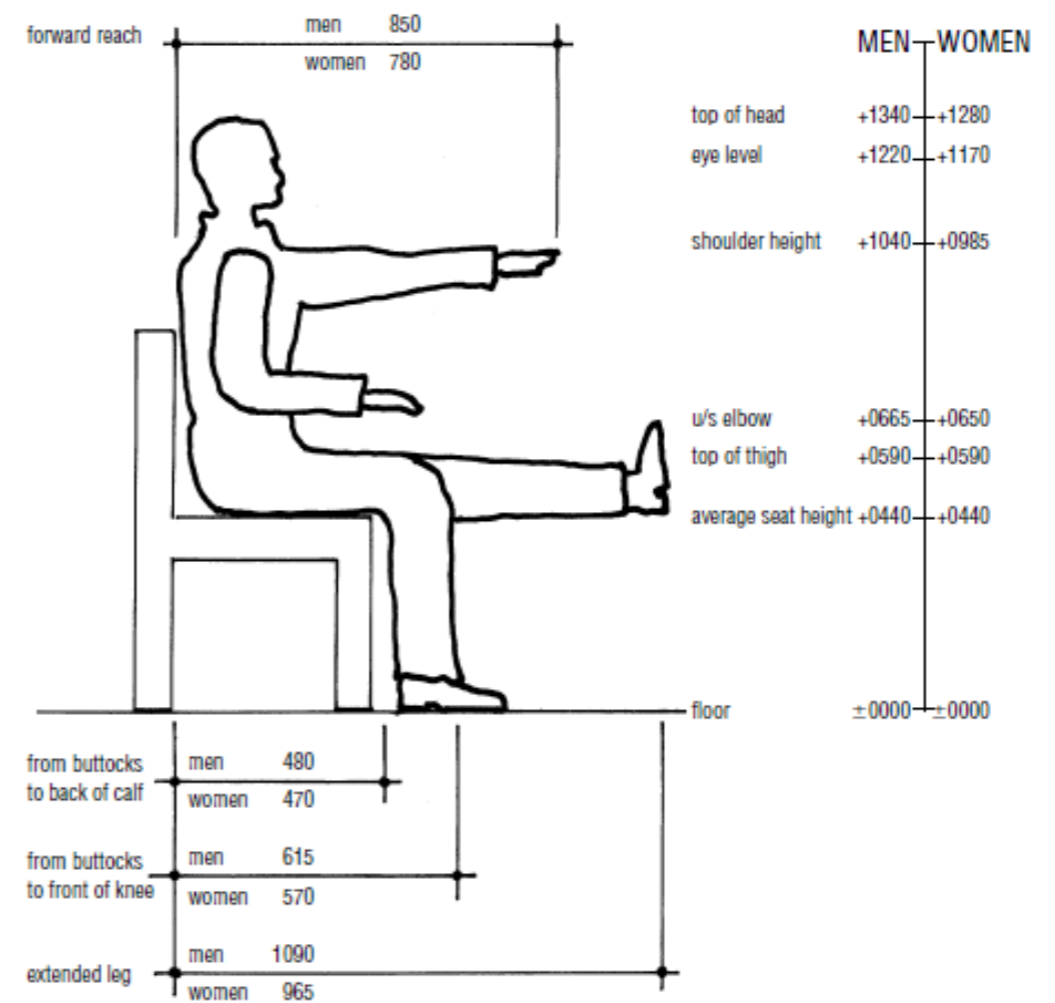
### Standing

Dimensions given are the average for British men and women. They include an allowance for clothing and shoes.



### Sitting

Dimensions given are the average for British men and women. They include an allowance for clothing and shoes.



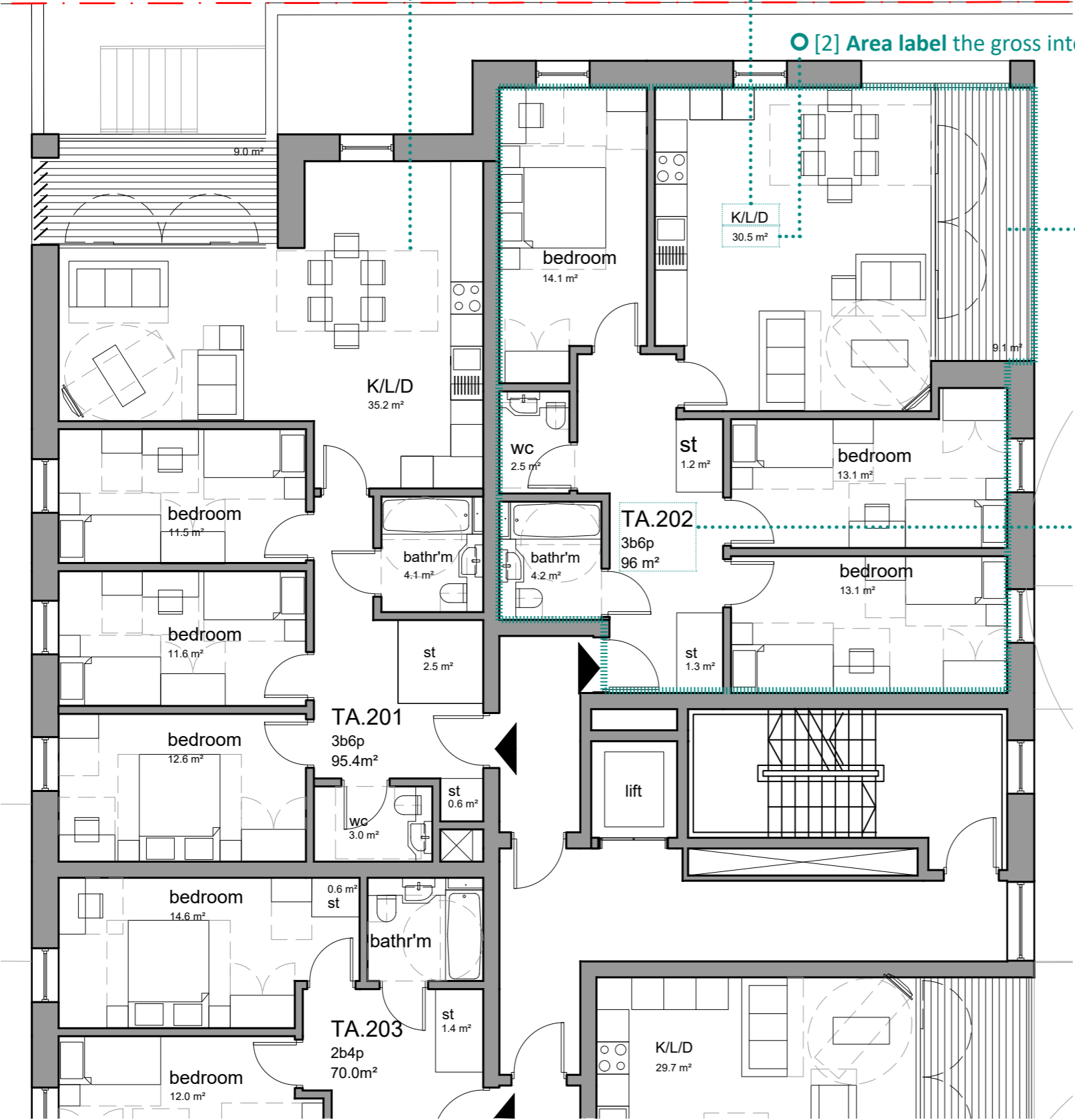
[5] Movement Zones  
area needed around  
furniture for activity/access

[1] Room label 'kitchen, living dinning'

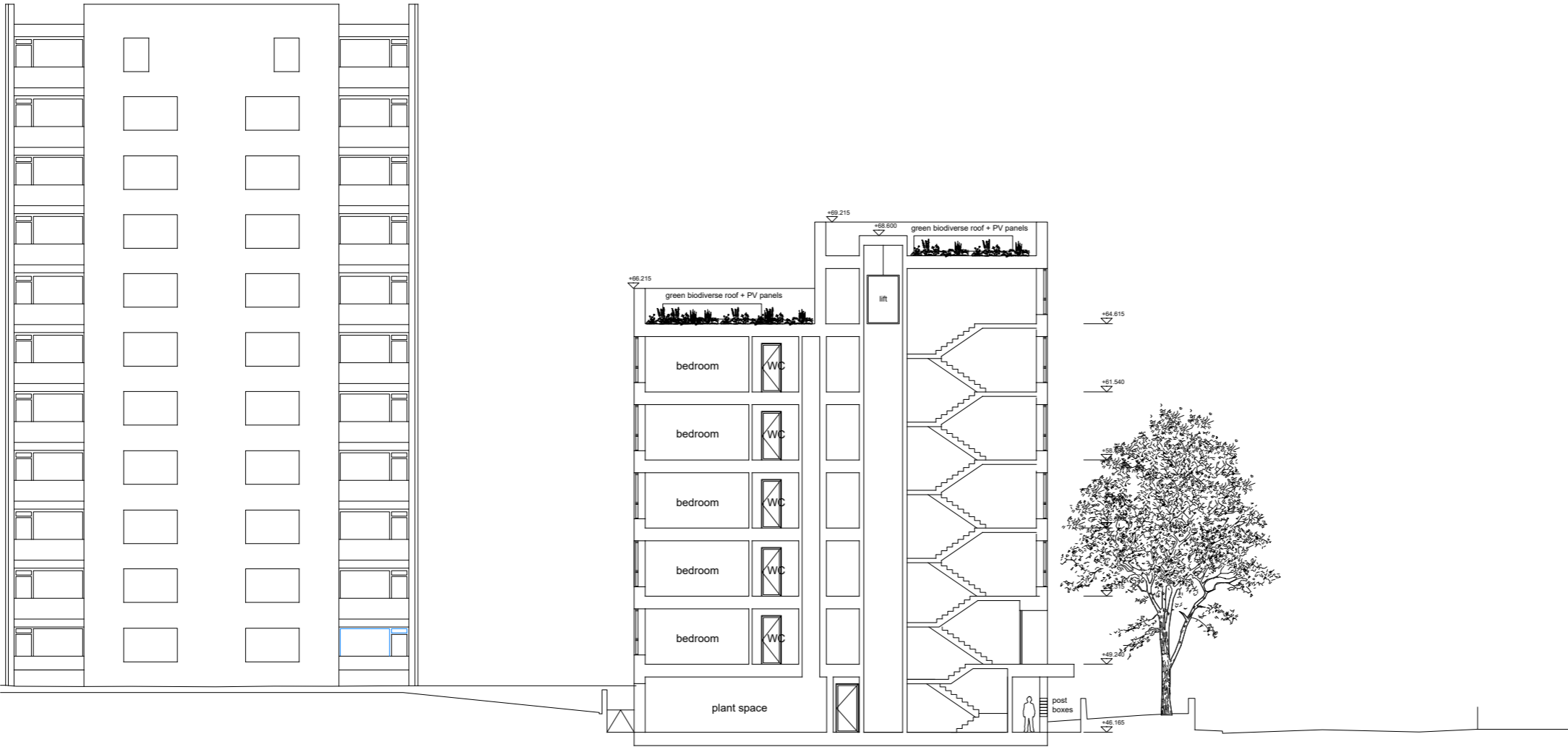
[2] Area label the gross internal area of the space

[3] Outdoor Amenity Space

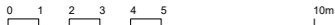
[4] Unit Type and Area '3b 6p'



Sections: are used to convey internal spaces and layouts and helps to show development in relation to other context

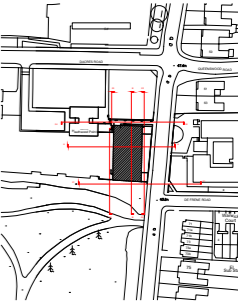


Proposed Section AA



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Key Plan  
Not to Scale

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Lewisham Temporary and  
Supported Living Accommodation.  
Mayow Road, London. SE23

**Drawing**  
Proposed Section AA

**Drawing number**  
18047-PL-MAY-SE-001

**Revision**

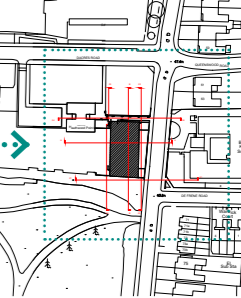
**Status**  
PLANNING

**AVANTI  
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#### Notes



Key Plan  
Not to Scale

Revision	Date	Drawn by	Checked	Description
Scale	Size	Date First Issue		
1:100	A1	14/08/19		
Drawn by	Checked by			
PL	AM			

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[7] Building in background  
is in elevation

[3] Section thicker line  
shows 'cut' through  
walls

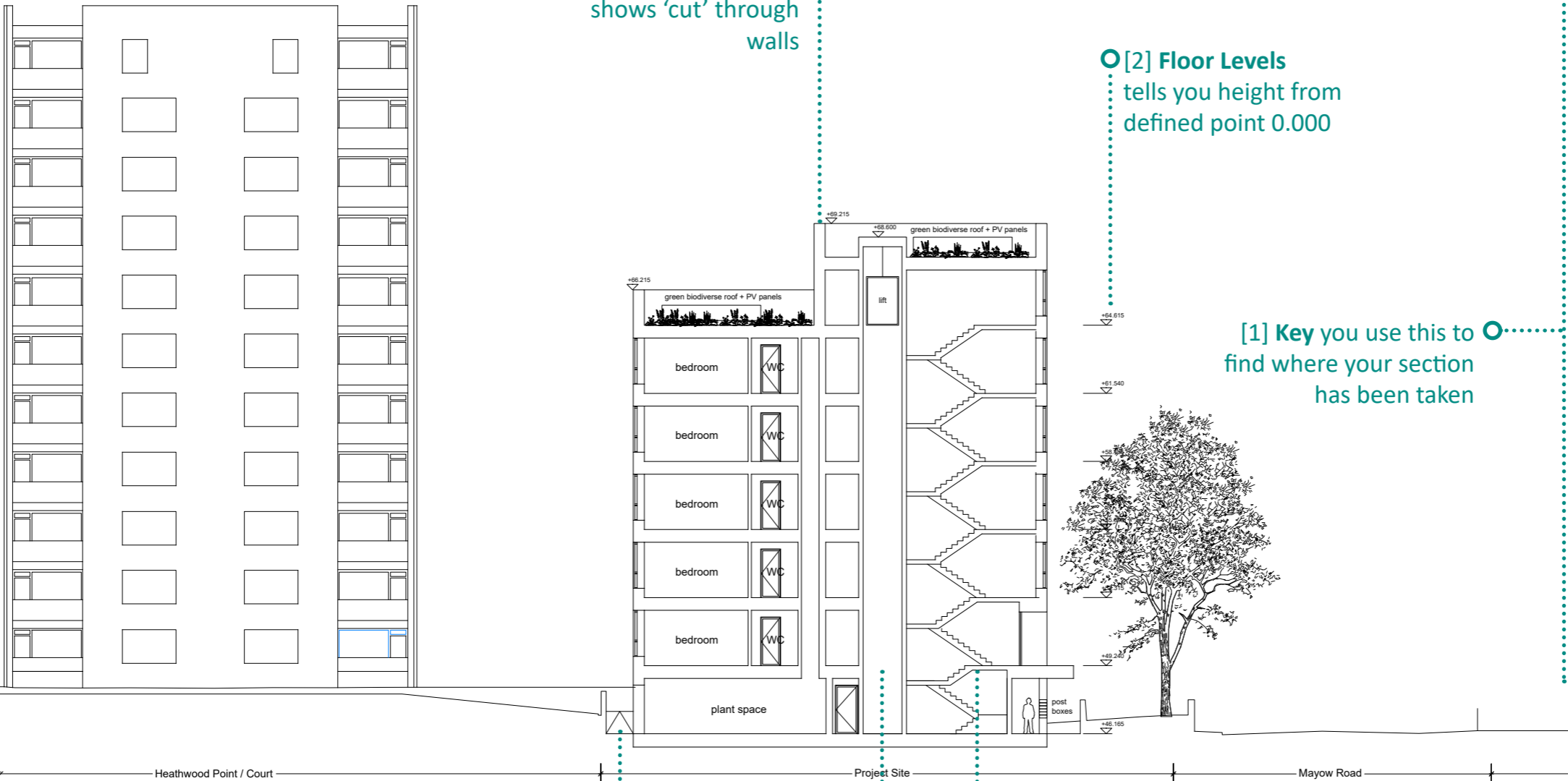
[2] Floor Levels  
tells you height from  
defined point 0.000

[1] Key you use this to  
find where your section  
has been taken

[6] Ramp

[5] Lift

[4] Stair



Proposed Section AA

0 1 2 3 4 5 10m

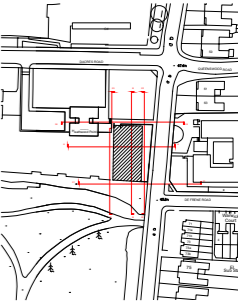
Elevations: are used to show facade/  
convey external materiality and  
finishes + scale in relation to context



02 - Proposed East Elevation

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Notes



Key Plan  
Not to Scale

Materials key

1. Vertical bonded brick horizontal band at each storey
2. Powder-coated aluminium windows
3. Steel balustrade, painted to match windows
4. Vertical fins to ground/1st floors
5. Stretcher bond brick - colour 1
6. Stretcher bond brick - colour 2
7. 20mm recessed brick course above and below horizontal brick band
8. 200mm brick reveals to windows
9. Privacy glazing to lower section of SL windows
10. Vertical brick fins
11. PPC metal coping
12. Precast concrete planters along Mayow Road and north frontage
13. Powder coated metal spandrel - colour to match windows
14. Powder coated metal canopy fascia and soffit - colour to match windows

Revision	Date	Drawn by	Checked by	Description
Scale	Size	Date First Issue		
1:100	A1	14/08/19		
Drawn by	Checked by			
PL	AM			

Project  
Lewisham Temporary and  
Supported Living Accommodation.  
Mayow Road, London. SE23

Drawing  
Proposed East Elevation

Drawing number  
18047-PL-MAY-EL-002

Status  
PLANNING

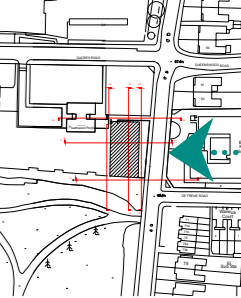
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Notes



Key Plan  
Not to Scale

Materials key

1. Vertical bonded brick horizontal band at each storey
2. Powder-coated aluminium windows
3. Steel balustrade, painted to match windows
4. Vertical fins to ground/1st floors
5. Stretcher bond brick - colour 1
6. Stretcher bond brick - colour 2
7. 20mm recessed brick course above and below horizontal brick band
8. 200mm brick reveals to windows
9. Privacy glazing to lower section of SL windows
10. Vertical brick fins
11. PPC metal coping
12. Precast concrete planters along Mayow Road and north frontage
13. Powder coated metal spandrel - colour to match windows
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[7] Building in  
background is in  
elevation

[2] Elevation  
helps to express materiality  
and external finishes

[4] Windows

[3] Balcony panels,  
doors and railings

[1] Key you use this  
to find where your  
elevation is

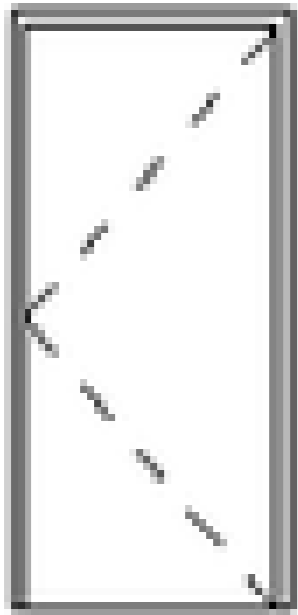
[5] Door (can see the  
dashed triangle)

[6] Planting/  
landscaping

02 - Proposed East Elevation

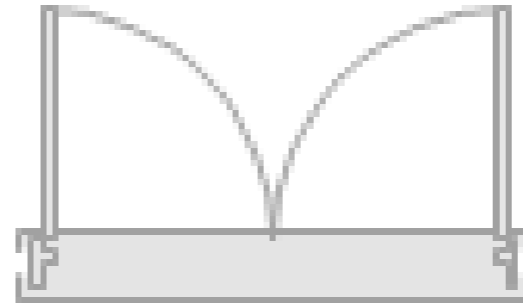
0 1 2 3 4 5 10m

# Quiz Time!

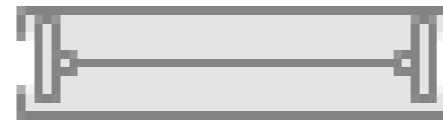


How would this door be shown in plan?

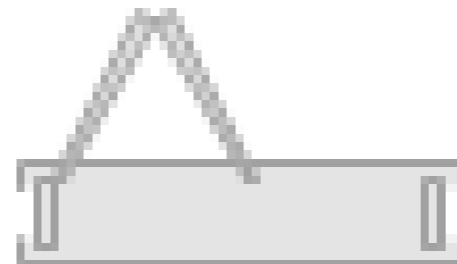
[A]



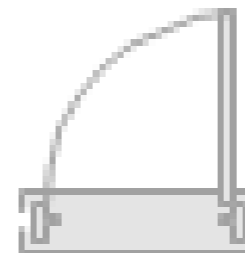
[B]



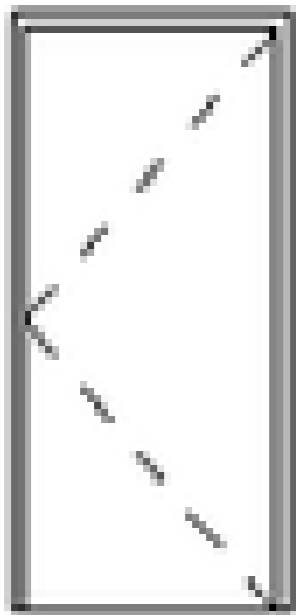
[C]



[D]

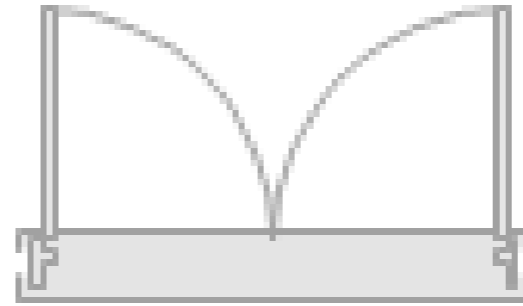


# Answer

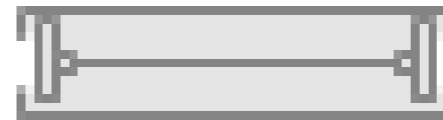


How would this door be shown in plan?

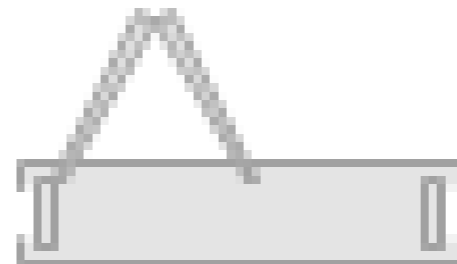
[A]



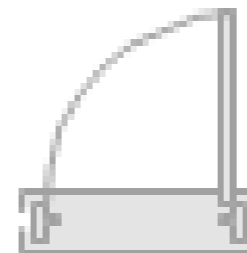
[B]



[C]



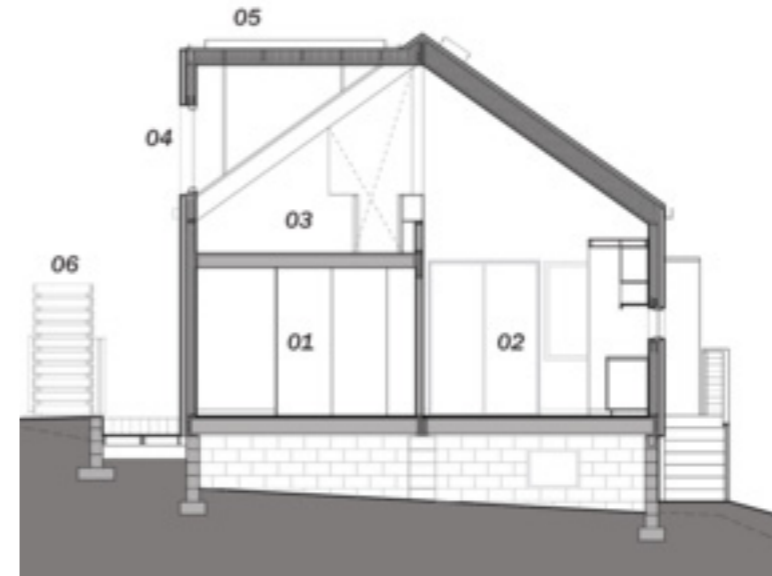
[D]



# Quiz Time!

Which one is a section?

[A]



[B]



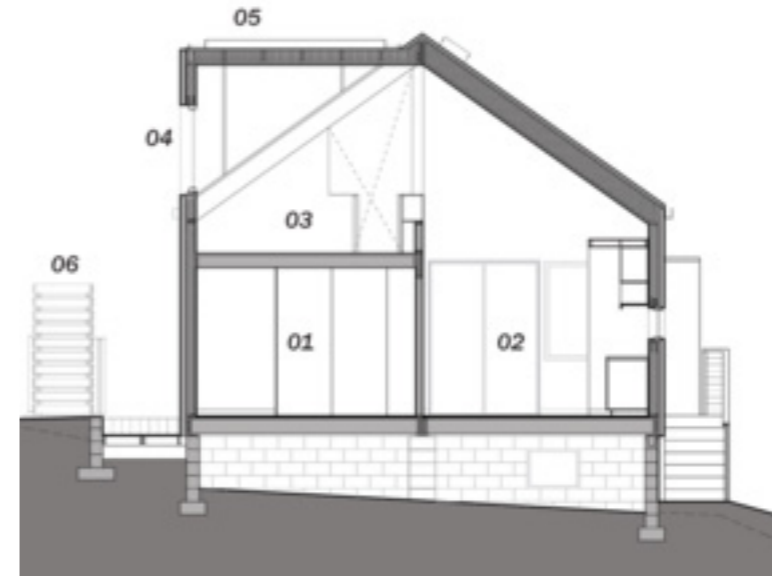
[C]



# Answer

Which one is a section?

[A]



[B]

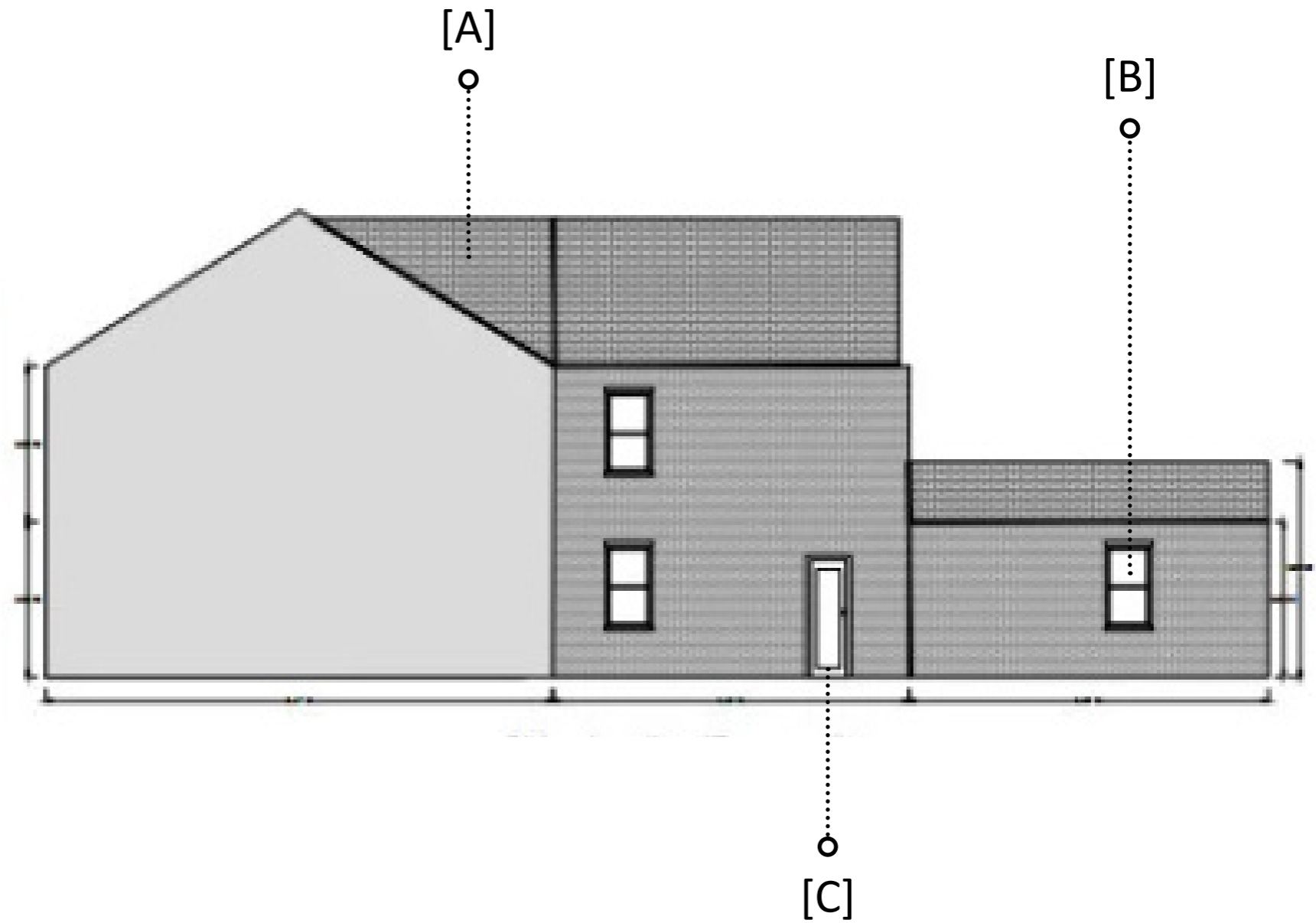


[C]



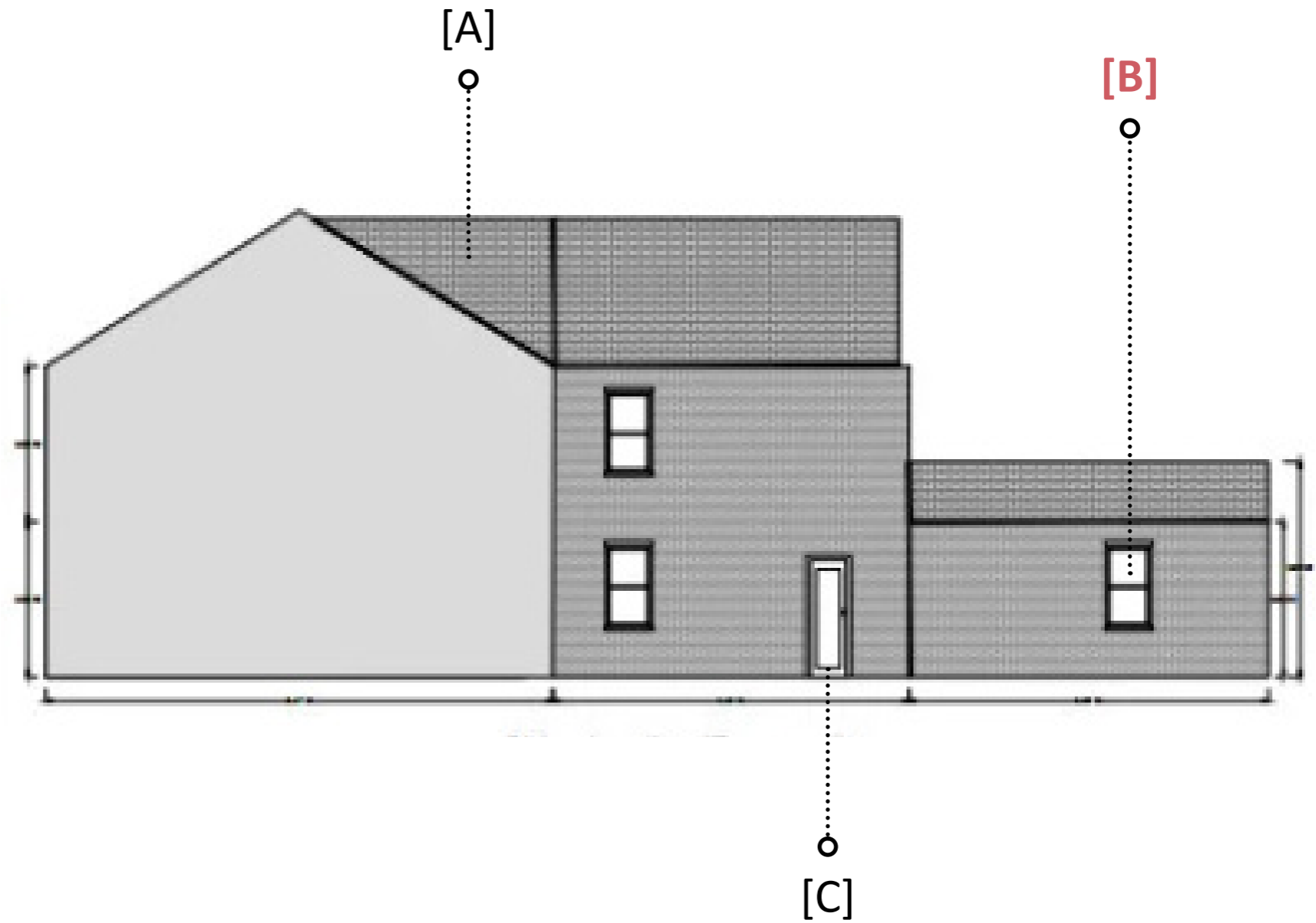
# Quiz Time!

Which one is a window?

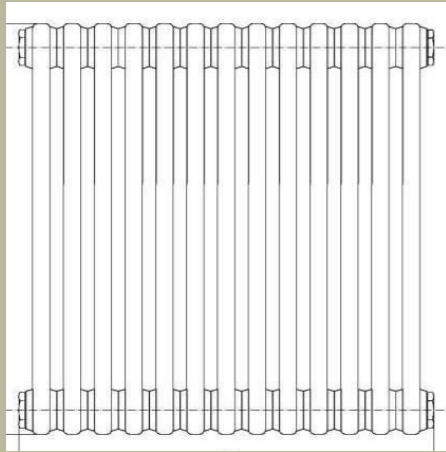


# Answer

Which one is a window?

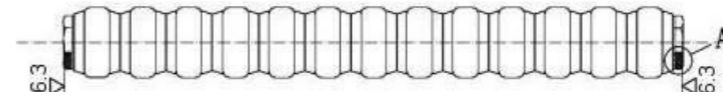


# Quiz Time!



How would this radiator be shown in plan?

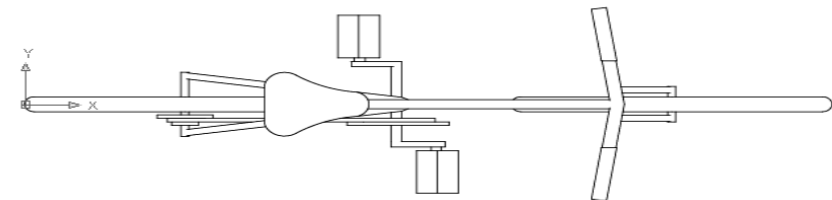
[A]



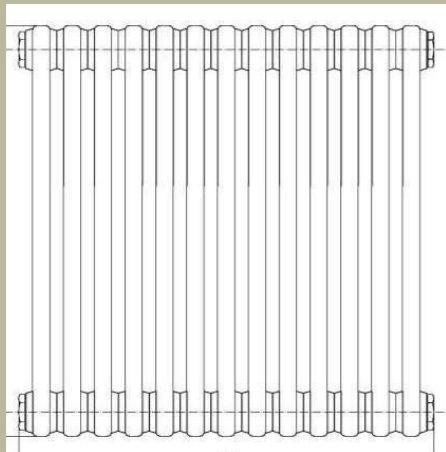
[B]



[C]

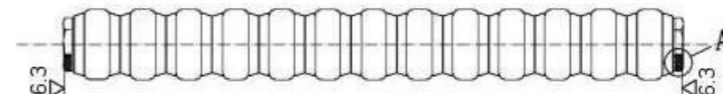


# Answer



How would this radiator be shown in plan?

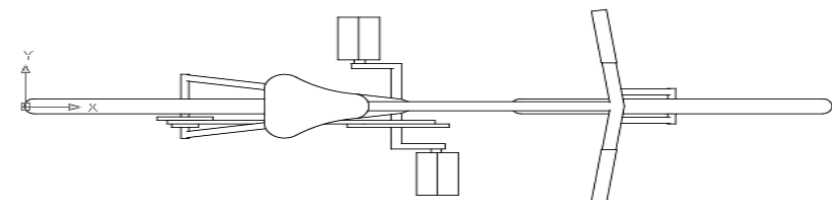
[A]



[B]



[C]



Any  
Questions?