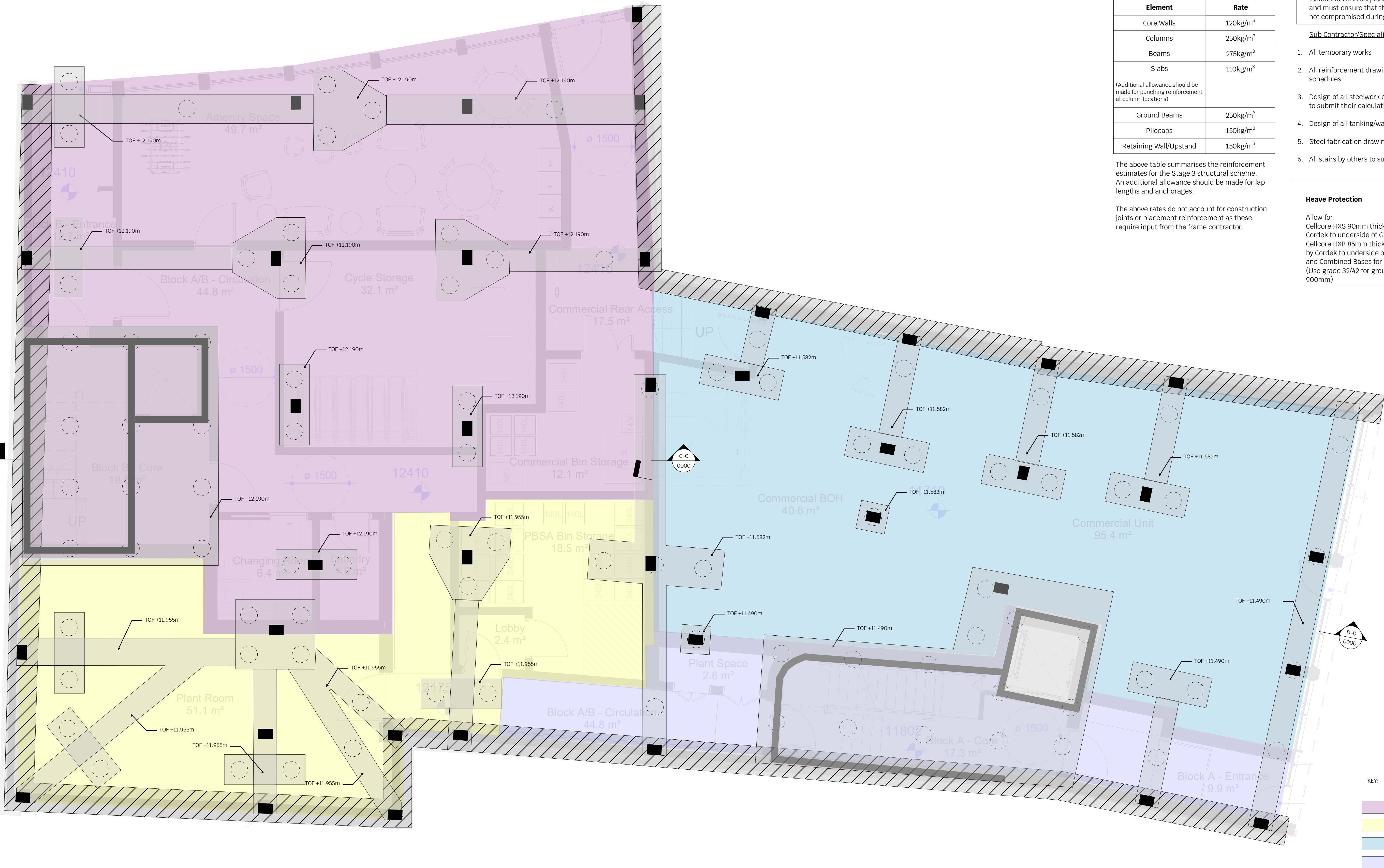




Reinforcement Estimates	
Element	Rate
Core Walls	120kg/m ³
Columns	250kg/m ³
Beams	275kg/m ³
Slabs	110kg/m ³
(Additional allowance should be made for punching reinforcement at column locations)	
Ground Beams	250kg/m ³
Pilecaps	150kg/m ³
Retaining Wall/Upstand	150kg/m ³

The above table summarises the reinforcement estimates for the Stage 3 structural scheme. An additional allowance should be made for lap lengths and anchorages.

The above rates do not account for construction joints or placement reinforcement as these require input from the frame contractor.

The contractor shall be responsible for the design, installation and sequencing of all temporary works and must ensure that the stability of the structure is not compromised during the works

Sub Contractor/Specialist Design Elements

1. All temporary works
2. All reinforcement drawings and bar bending schedules
3. Design of all steelwork connections, the fabricator is to submit their calculations to building approval
4. Design of all tanking/waterproofing
5. Steel fabrication drawings
6. All stairs by others to support 5kN/m² imposed load

Heave Protection

Allow for:
Cellcore HXS 90mm thick, grade 7/10 void former by Cordek to underside of Ground Floor Slab
Cellcore HXB 85mm thick, grade 24/32" void former by Cordek to underside of Ground Beams, Pile Caps and Combined Bases for Cores.
(Use grade 32/42 for ground beams deeper than 900mm)

Notes

1. This drawing is to be read in conjunction with all relevant architects & engineers drawings and specifications
2. Do not scale from this drawing

Key:

- Denotes 450 Ø Specialist designed pile
- ▭ Proposed RC Ground Beam/Pile Cap Foundation
- ▬ Proposed RC Column
- ▬ Proposed RC Core Wall
- ▨ Proposed Underpinning Sequence to Party Wall TBC



All Party Wall substructure details are indicative and based on very limited and inconclusive information provided. Further investigations to be provided by Contractor to inform Engineer of all findings. Design to be amended as required and finalized. Foundations and all corresponding details are subject to Party Wall agreement.



WARNING RISK
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COMPULSORY RISK
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PROHIBITIVE RISK
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INFORMATION RISK
Indicates a residual risk for information

P5	08.03.24	EB	EB	For Comments
P4	20.12.23	EB	EB	For Comments
Rev	Date	Drwn	Chkd	Amendments
Drawing status		Preliminary		



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STRUCTURAL / CIVIL ENGINEERS

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Job Title

807 High Road
Tottenham,
N17 8ER

Drawing Title

Ground Floor Plan

Project Company Zones Level Type Role Number

807HR - SYM - XX - 00 - DR - S - 0990

Scale: **1 : 50 @ A1**

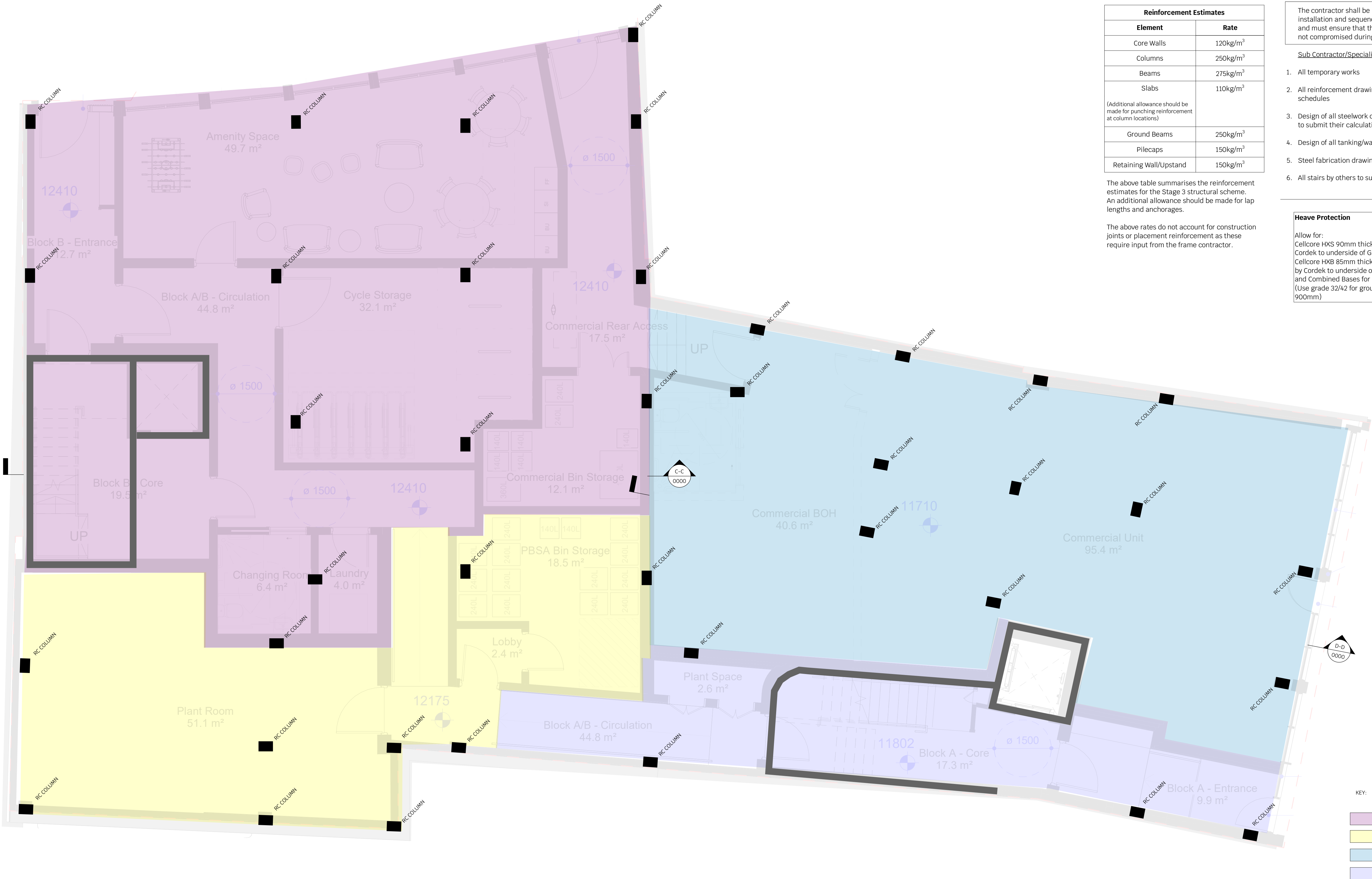
Date: **Oct 2022**

Drawn by: **EB**

Checked: **EB**

Revision :

P5



Reinforcement Estimates	
Element	Rate
Core Walls	120kg/m³
Columns	250kg/m³
Beams	275kg/m³
Slabs	110kg/m³
(Additional allowance should be made for punching reinforcement at column locations)	
Ground Beams	250kg/m³
Pilecaps	150kg/m³
Retaining Wall/Upstand	150kg/m³

The above table summarises the reinforcement estimates for the Stage 3 structural scheme. An additional allowance should be made for lap lengths and anchorages.

The above rates do not account for construction joints or placement reinforcement as these require input from the frame contractor.

The contractor shall be responsible for the design, installation and sequencing of all temporary works and must ensure that the stability of the structure is not compromised during the works

Sub Contractor/Specialist Design Elements

1. All temporary works

2. All reinforcement drawings and bar bending schedules

3. Design of all steelwork connections, the fabricator is to submit their calculations to building approval

4. Design of all tanking/waterproofing

5. Steel fabrication drawings

6. All stairs by others to support 5kN/m² imposed load

Heave Protection

Allow for:
Cellcore HXS 90mm thick, grade 7/10 void former by Cordek to underside of Ground Floor Slab
Cellcore HXB 85mm thick, grade 24/32" void former by Cordek to underside of Ground Beams, Pile Caps and Combined Bases for Cores.
(Use grade 32/42 for ground beams deeper than 900mm)

- KEY:
- 250mm RC Slab - SSL 12.190m
 - 250mm RC Slab - SSL 11.955m
 - 250mm RC Slab - SSL 11.582m
 - 250mm RC Slab - SSL 11.490m

Notes

- This drawing is to be read in conjunction with all relevant architects & engineers drawings and specifications
- Do not scale from this drawing

! WARNING RISK
Indicates a residual risk as warning

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Indicates a residual risk requiring a compulsory action

⊘ PROHIBITIVE RISK
Indicates a residual risk requiring a prohibitive action

i INFORMATION RISK
Indicates a residual risk for information

P4	08.03.24	EB	EB	For Comments For Comments
P3	20.12.23	EB	EB	
Rev	Date	Drwn	Chkd	Amendments
Drawing status				Preliminary

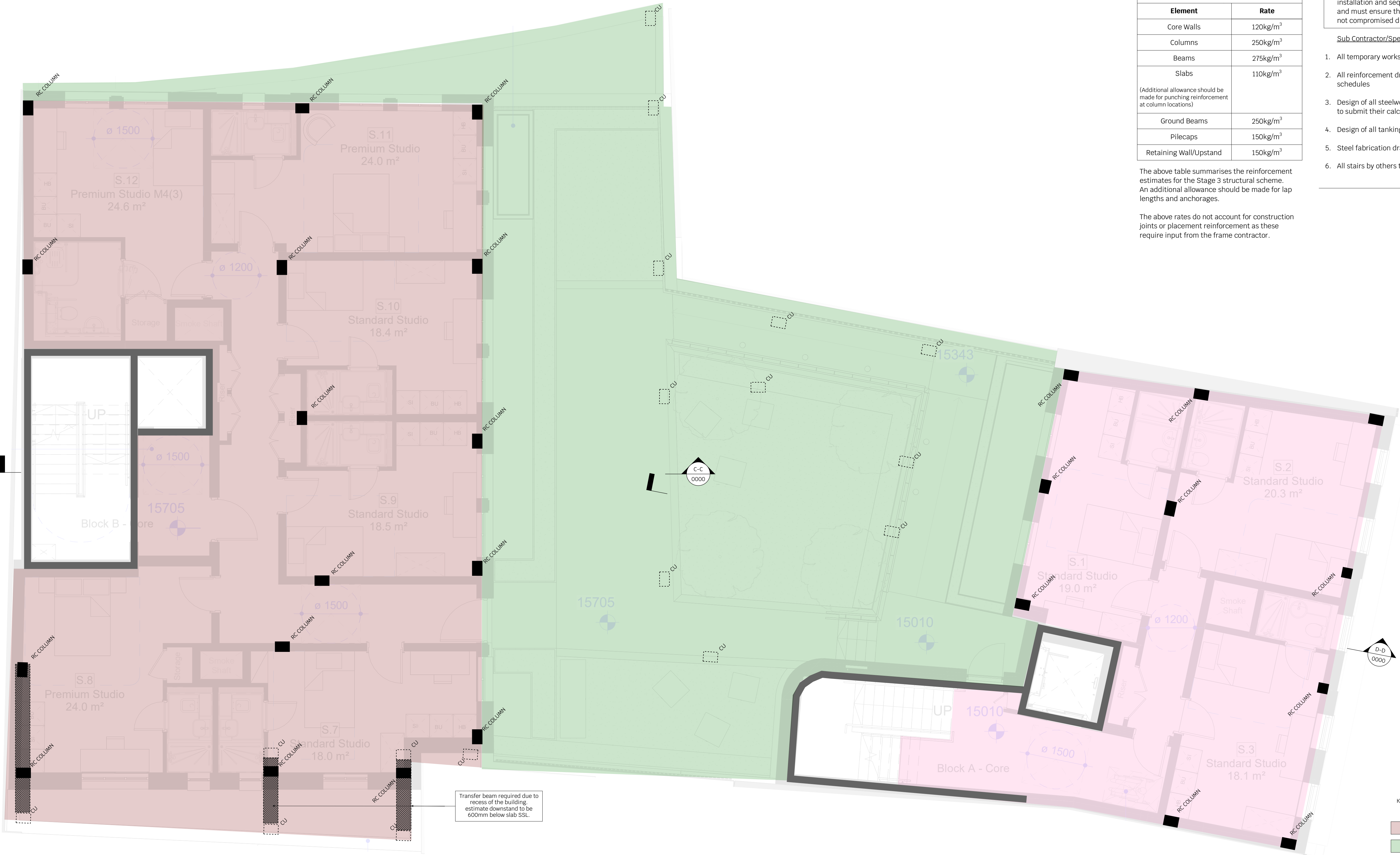


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Job Title
807 High Road
Tottenham,
N17 8ER

Drawing Title						
Ground Floor Plan						
Project	Company	Zones	Level	Type	Role	Number
807HR - SYM - XX - 00 - DR - S - 1000						
Scale: 1 : 50 @ A1		Drawn by: EB		Revision :		
Date: Oct 2022		Checked: EB		P4		



Reinforcement Estimates	
Element	Rate
Core Walls	120kg/m ³
Columns	250kg/m ³
Beams	275kg/m ³
Slabs	110kg/m ³
(Additional allowance should be made for punching reinforcement at column locations)	
Ground Beams	250kg/m ³
Pilecaps	150kg/m ³
Retaining Wall/Upstand	150kg/m ³

The above table summarises the reinforcement estimates for the Stage 3 structural scheme. An additional allowance should be made for lap lengths and anchorages.

The above rates do not account for construction joints or placement reinforcement as these require input from the frame contractor.

The contractor shall be responsible for the design, installation and sequencing of all temporary works and must ensure that the stability of the structure is not compromised during the works

Sub Contractor/Specialist Design Elements

1. All temporary works
2. All reinforcement drawings and bar bending schedules
3. Design of all steelwork connections, the fabricator is to submit their calculations to building approval
4. Design of all tanking/waterproofing
5. Steel fabrication drawings
6. All stairs by others to support 5kN/m² imposed load

Notes

1. This drawing is to be read in conjunction with all relevant architects & engineers drawings and specifications
2. Do not scale from this drawing



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Indicates a residual risk requiring a compulsory action



PROHIBITIVE RISK
Indicates a residual risk requiring a prohibitive action



INFORMATION RISK
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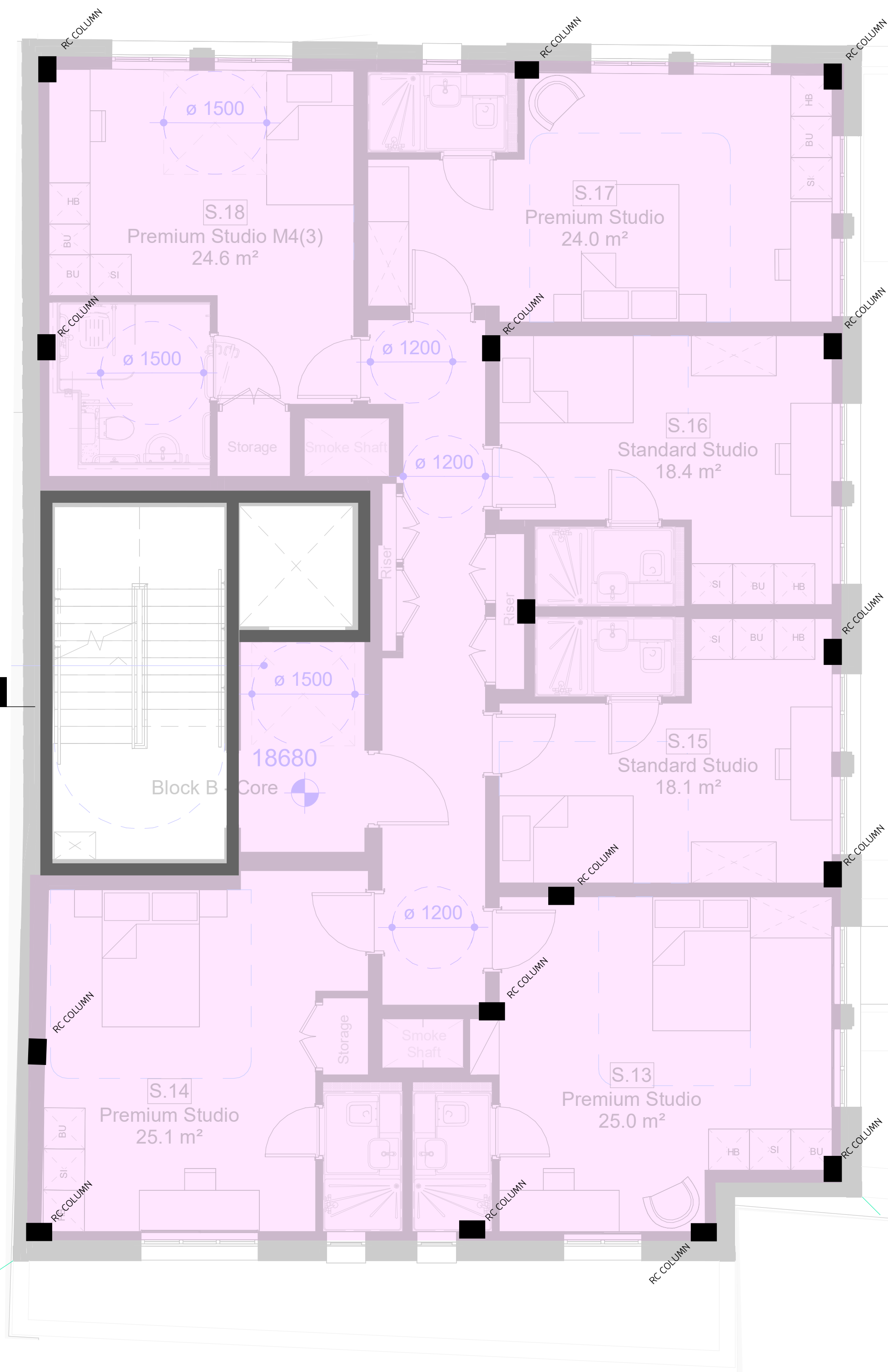
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P3	20.12.23	EB	EB	
Rev	Date	Drwn	Chkd	Amendments
Drawing status				Preliminary

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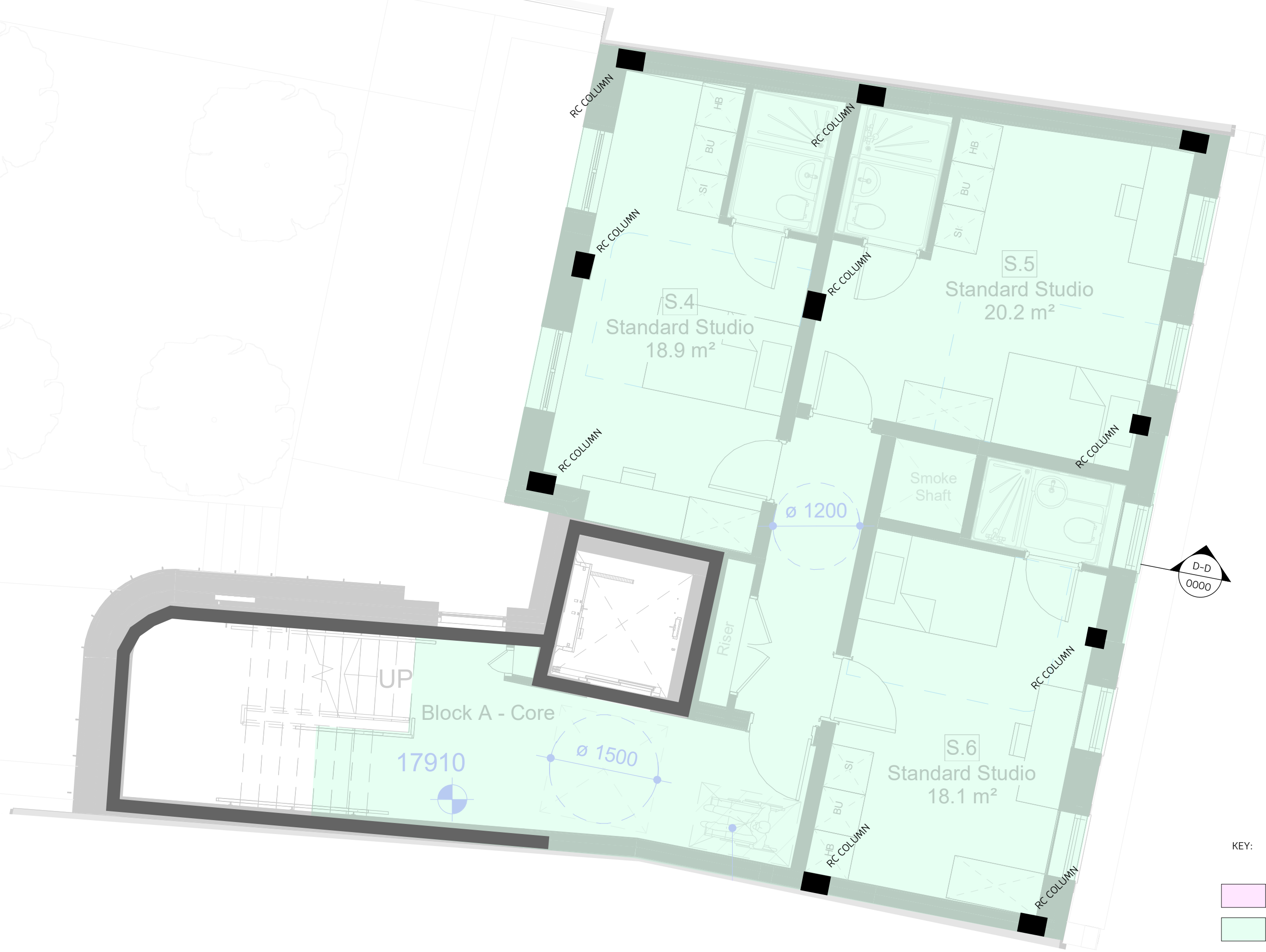
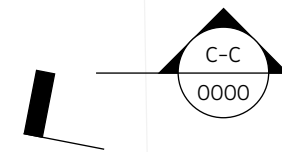
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Job Title
807 High Road
Tottenham,
N17 8ER

Drawing Title						
First Floor Plan						
Project	Company	Zones	Level	Type	Role	Number
807HR - SYM - XX - 00 - DR - S - 1010						
Scale: 1 : 50 @ A1		Drawn by: EB		Revision :		
Date: Oct 2022		Checked: EB		P4		



39



KEY:

- 225mm RC Slab - SSL 18.578m
- 225mm RC Slab - SSL 17.815m

Reinforcement Estimates	
Element	Rate
Core Walls	120kg/m ³
Columns	250kg/m ³
Beams	275kg/m ³
Slabs	110kg/m ³
(Additional allowance should be made for punching reinforcement at column locations)	
Ground Beams	250kg/m ³
Pilecaps	150kg/m ³
Retaining Wall/Upstand	150kg/m ³

The above table summarises the reinforcement estimates for the Stage 3 structural scheme. An additional allowance should be made for lap lengths and anchorages.

The above rates do not account for construction joints or placement reinforcement as these require input from the frame contractor.

The contractor shall be responsible for the design, installation and sequencing of all temporary works and must ensure that the stability of the structure is not compromised during the works

Sub Contractor/Specialist Design Elements

- All temporary works
- All reinforcement drawings and bar bending schedules
- Design of all steelwork connections, the fabricator is to submit their calculations to building approval
- Design of all tanking/waterproofing
- Steel fabrication drawings
- All stairs by others to support 5kN/m² imposed load

Notes

- This drawing is to be read in conjunction with all relevant architects & engineers drawings and specifications
- Do not scale from this drawing



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INFORMATION RISK
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P4	08.03.24	EB	EB	For Comments
P3	20.12.23	EB	EB	For Comments
Rev	Date	Drwn	Chkd	Amendments

Drawing status

Preliminary



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Job Title

807 High Road
Tottenham,
N17 8ER

Drawing Title

Second Floor Plan

Project Company Zones Level Type Role Number

807HR - SYM - XX - 00 - DR - S - 1020

Scale: 1 : 50 @ A1
Date: Oct 2022

Drawn by: EB
Checked: EB

Revision :
P4

Reinforcement Estimates	
Element	Rate
Core Walls	120kg/m ³
Columns	250kg/m ³
Beams	275kg/m ³
Slabs	110kg/m ³
(Additional allowance should be made for punching reinforcement at column locations)	
Ground Beams	250kg/m ³
Pilecaps	150kg/m ³
Retaining Wall/Upstand	150kg/m ³

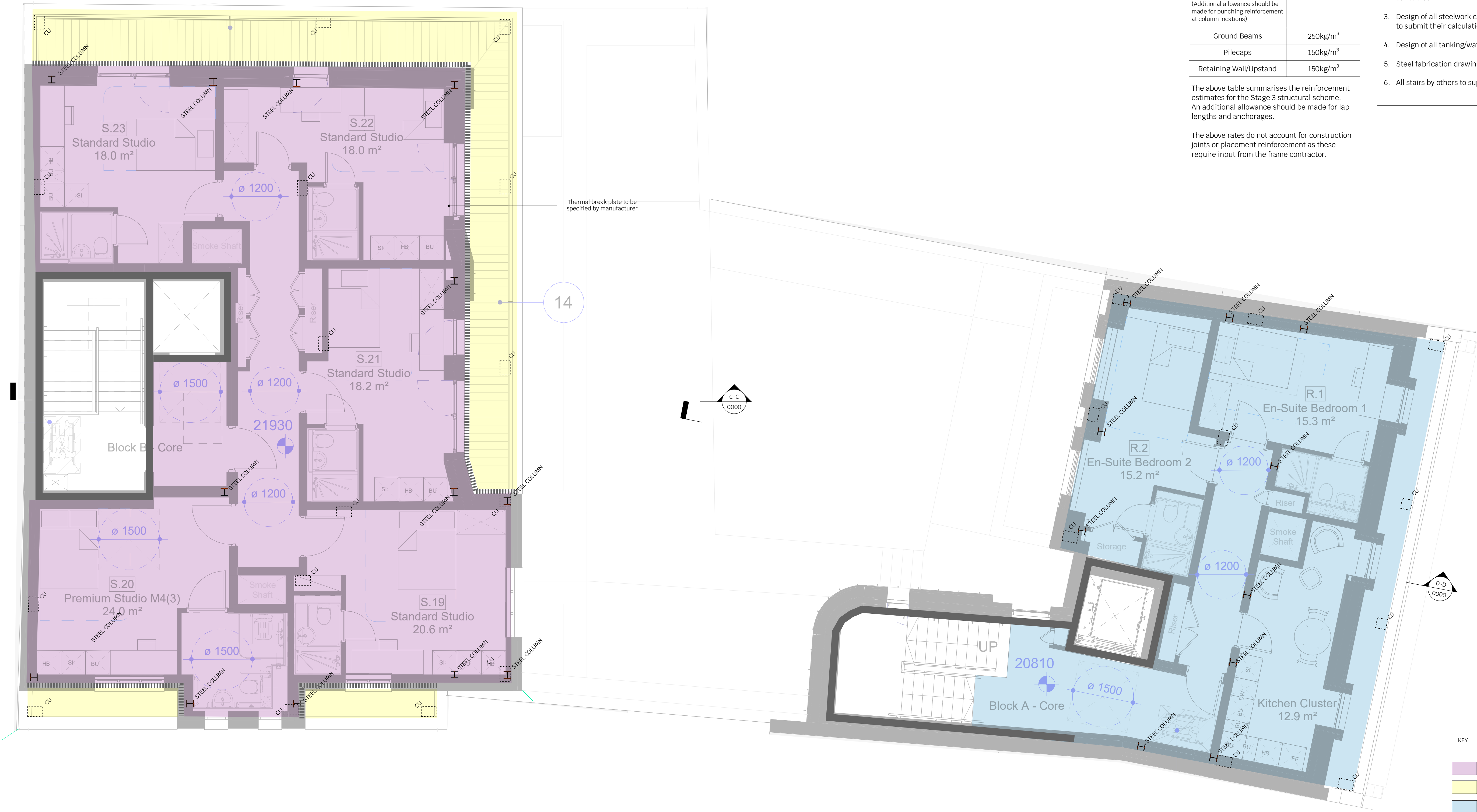
The above table summarises the reinforcement estimates for the Stage 3 structural scheme. An additional allowance should be made for lap lengths and anchorages.

The above rates do not account for construction joints or placement reinforcement as these require input from the frame contractor.

The contractor shall be responsible for the design, installation and sequencing of all temporary works and must ensure that the stability of the structure is not compromised during the works

Sub Contractor/Specialist Design Elements

1. All temporary works
2. All reinforcement drawings and bar bending schedules
3. Design of all steelwork connections, the fabricator is to submit their calculations to building approval
4. Design of all tanking/waterproofing
5. Steel fabrication drawings
6. All stairs by others to support 5kN/m² imposed load



Notes

1. This drawing is to be read in conjunction with all relevant architects & engineers drawings and specifications
2. Do not scale from this drawing

- WARNING RISK**
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- PROHIBITIVE RISK**
Indicates a residual risk requiring a prohibitive action
- INFORMATION RISK**
Indicates a residual risk for information

P4	08.03.24	EB	EB	For Comments For Comments
P3	20.12.23	EB	EB	
Rev	Date	Drwn	Chkd	Amendments
Drawing status		Preliminary		



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Job Title

807 High Road

Tottenham,

N17 8ER

Drawing Title

Third Floor Plan

Project Company Zones Level Type Role Number

807HR - SYM - XX - 00 - DR - S - 1030

Scale: 1 : 50 @ A1
Date: Oct 2022

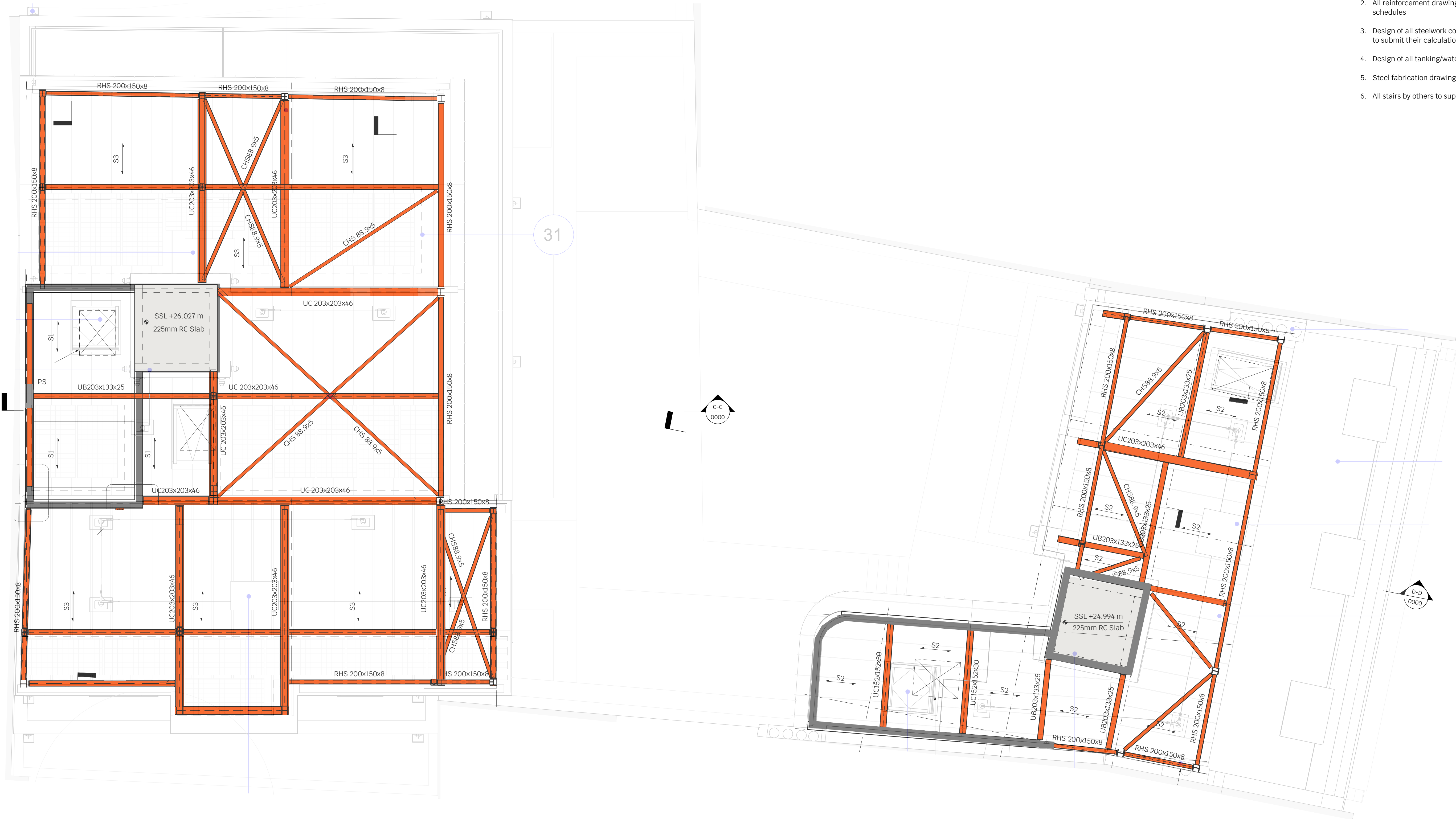
Drawn by: EB
Checked: EB

Revision :
P4

The contractor shall be responsible for the design, installation and sequencing of all temporary works and must ensure that the stability of the structure is not compromised during the works

Sub Contractor/Specialist Design Elements

1. All temporary works
2. All reinforcement drawings and bar bending schedules
3. Design of all steelwork connections, the fabricator is to submit their calculations to building approval
4. Design of all tanking/waterproofing
5. Steel fabrication drawings
6. All stairs by others to support 5kN/m² imposed load



Notes

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Legend:

- S1 Denotes span of 47x150 C24 rafters @400 C/C
- S2 Denotes span of 47x175 C24 rafters @400 C/C +18mm plywood top
- S3 Denotes span of specialist designed timber trusses (Refer to architects drawings for roof pitches)
- S4 Denotes span of specialist designed cold formed steel joists for dormer roof



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P4	08.03.24	EB	EB	For Comments
P3	20.12.23	EB	EB	For Comments
Rev	Date	Drwn	Chkd	Amendments
Drawing status		Preliminary		



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Job Title

807 High Road
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N17 8ER

Drawing Title

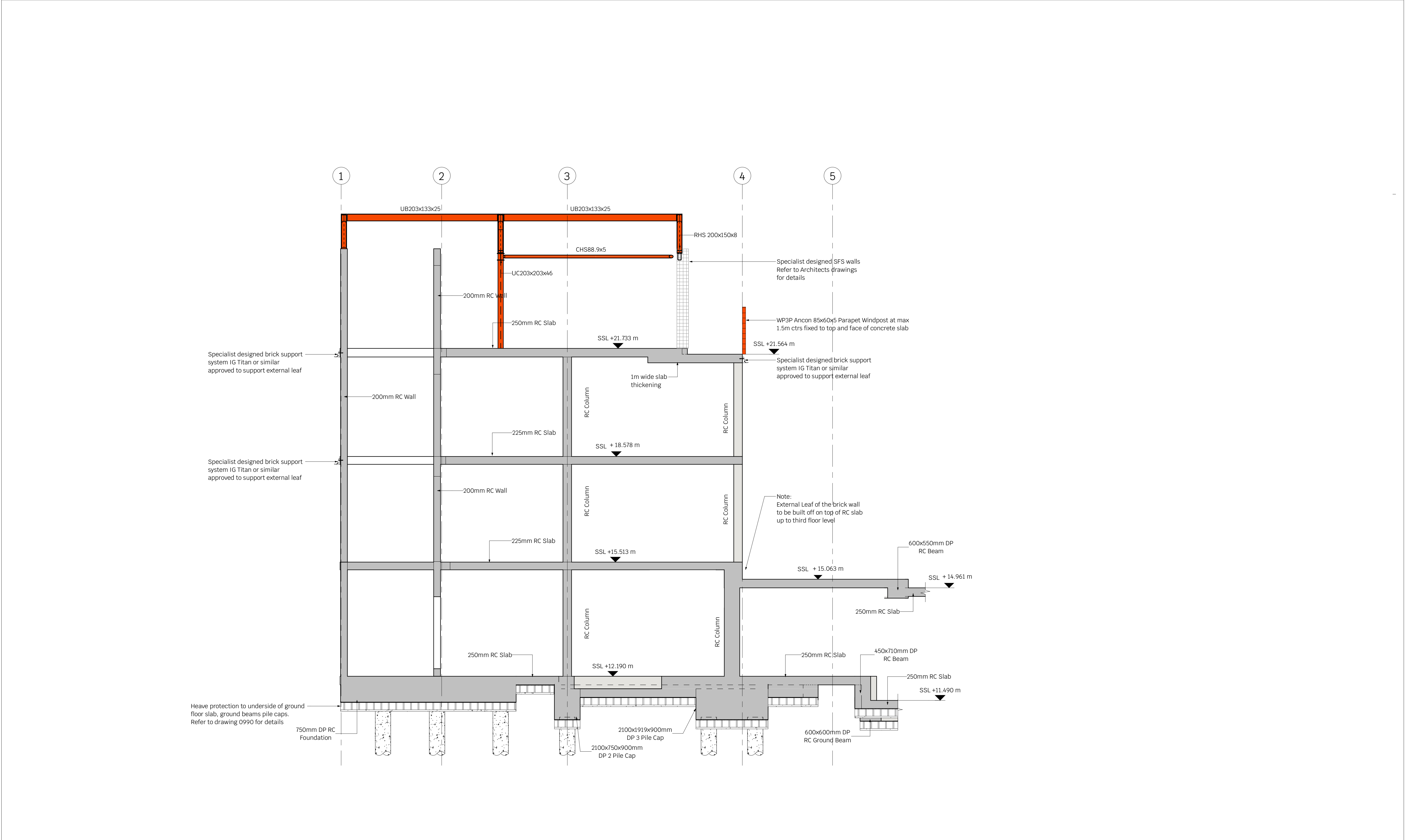
Roof Plan

Project Company Zones Level Type Role Number

807HR - SYM - XX - 00 - DR - S - 1040

Scale: 1 : 50 @ A1
Date: Oct 2022

Drawn by: EB
Checked: EB
Revision :
P4



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P4

08.03.24

EB

EB

For Comments

P3

20.12.23

EB

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For Comments

Rev

Date

Drwn

Chkd

Amendments

Drawing status

Preliminary

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Job Title

807 High Road

Tottenham,

N17 8ER

Drawing Title

Section C-C

Project

Company

Zones

Level

Type

Role

Number

807HR - SYM - XX - 00 - DR - S - 2002

Scale: 1 : 50 @ A1

Drawn by: EB

Revision :

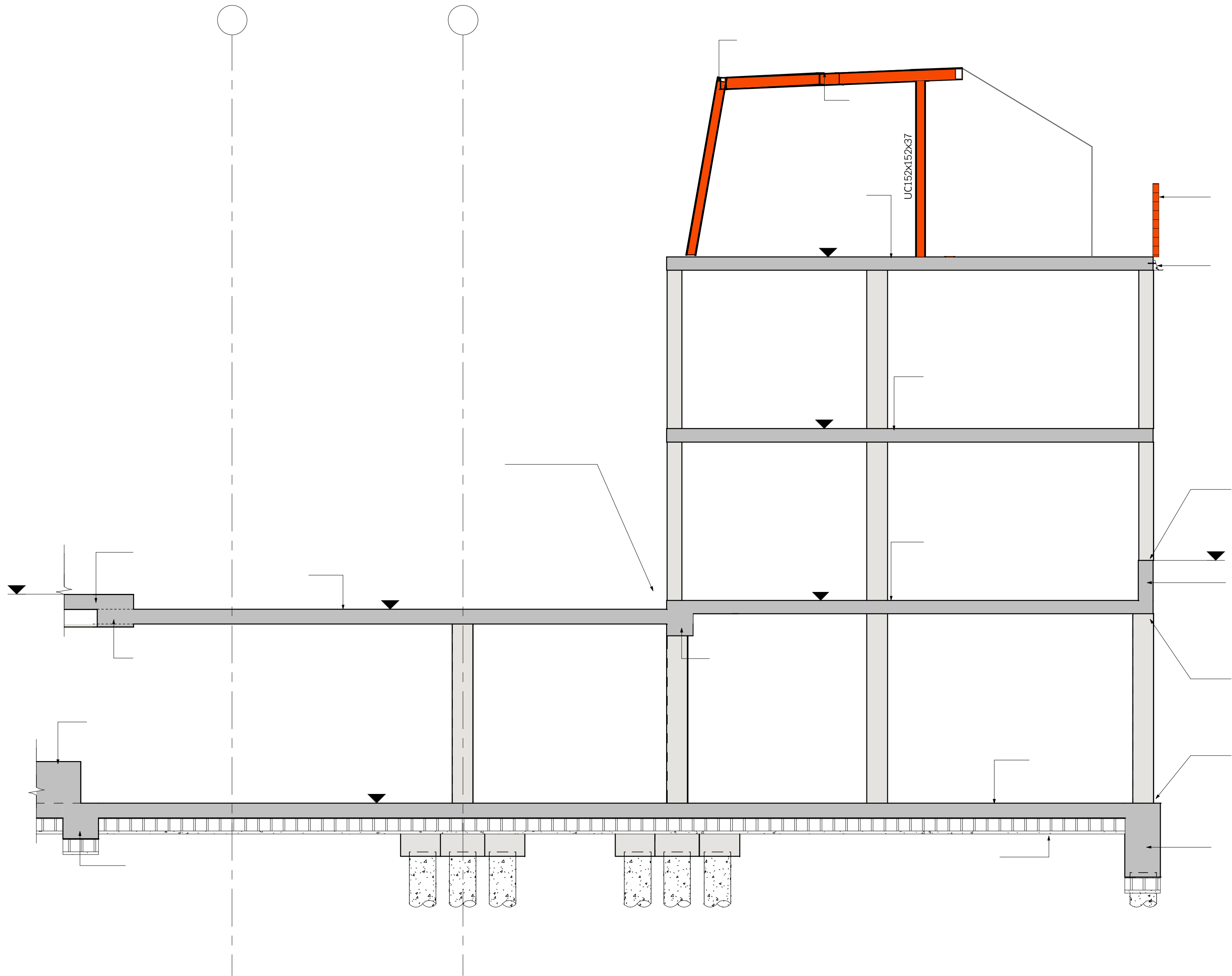
Date: Oct 2022

Checked: EB

P4

Company No. 5873122 VAT Registration No. 894 2993 61

Registered In England And Wales



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INFORMATION RISK
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P4	06.03.24	EB	EB	For Comments For Comments
P3	20.12.23	EB	EB	
Rev	Date	Drwn	Chkd	Amendments
Drawing status				Preliminary



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Job Title
807 High Road
Tottenham,
N17 8ER

Drawing Title

Project Company Zones Level Type Role Number

807HR - SYM - XX - 00 - DR - S - 2003

Scale: 1 : 50 @ A1
Date: Oct 2022
Drawn by: EB
Checked: EB
Revision :
P4