# 5 The Grove, Highgate Structural Method Statement (SMS)

## constructure

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#### QUALITY MANAGEMENT

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**REVISION NOTES:** 

P4: Drawings updated to reflect consented plans, text updated accordingly

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#### 1. INTRODUCTION

Constructure Ltd were appointed in March 2021 for structural advice on the proposed refurbishment works to No. 5, The Grove, Highgate. This report has been produced to satisfy Condition 5 of the listed building consent planning application (ref: 2021/2717/L). It details the outline approach that will be taken to safeguard the integrity of the building and adjacent structures.

Prior to works commencing on site, all internal structure will be exposed to confirm the condition and nature of the existing building. This assists to reliably inform the structural design and construction sequence. Initial non-intrusive investigations appear to show the building in a good and sound condition, with no signs of structural distress or disrepair, and as such in its current condition and form is fully suitable for refurbishment.

#### 2. THE SITE

#### 2.1. BRIEF DESCRIPTION OF SITE

The site is located in Highgate, with Hampstead Heath lying to the west/southwest. The property is accessed directly off The Grove with a gravel parking area to the front. To the southeast is Highgate Cemetery, and at the rear to the west are the expansive grounds of Witanhurst Mansion and ancillary buildings. To the northeast there is an underground service reservoir between The Grove and Highgate West Hill. To the rear of the building is a large 'L' shaped garden split in to two main areas. The upper terrace garden is approximately 15m x 30m and is separated from the lower garden (approximately 30m x 40m) with a high masonry retaining wall.

#### 2.2. THE EXISTING BUILDING

The property is a grade II listed building, constructed initially in 1688 and then rebuilt in 1933 by notable architect C. H. James. It has been reported that the property underwent a full refurbishment in the 1980's and then again in the early 2000's.

The structure consists of 3 storeys above ground and a lower ground floor level that opens onto the garden. The building is of traditional construction with external/internal masonry walls and timber floors. Non load bearing partitions are formed from timber studwork. The roof is formed from a hollow clay pot slab, a technique commonly found around the 1930's when the building was rebuilt. There are two outcropping gable roof sections tiled in clay.

Minor structural alterations are to be carried out as part of the refurbishment works (detailed in section 3.0). All intended retained elements are considered adoptable with only light repair expected in the event of the exposure of hidden defects.

#### 3. STRUCTURAL METHOD STATEMENT

#### 3.1. DESCRIPTION OF THE PROPOSED WORKS

The proposed refurbishment generally comprises minor structural alterations throughout the building. A brief description has been provided for each element of the works. The proposed construction method is provided with the knowledge of a detailed method statement from a Temporary Works Engineer prior to works commencing. All detailed proposals provided at a later stage will be reviewed by Constructure, as the Permanent Works Structural Engineer.

#### 3.1.1. OVERVIEW

Generally, the historic fabric is to be retained as part of the refurbishment with the main works to be carried out internally. The principle structural alterations include the following; new openings in internal load bearing walls, removal of non-original chimney, removal of existing staircase and replacement with new and amendments to facilitate a large new sash window.

#### 3.1.2. EXTERNAL WALLS / PARTY WALLS

The external and party walls are constructed from solid masonry.

Minor alterations are proposed to the existing openings within the external walls. The south elevation wall adjacent to the staircase will require new lintels (Catnic or similar) in order to enlarge the existing openings. While the landings of the stair are to be removed, these are not currently providing restraint to this wall due to the span of the joists and lack of restraint straps or ties, and the short span between buttressing adjacent walls means there will be no negative effects arising from the reconfiguration of the staircase and the reinstatement of the enlarged window.

#### 3.1.3. INTERNAL WALLS

The main structural works that are to be carried out internally are to the walls along gridlines 4 & C (refer to Appendix A for drawings). New steelwork is to be installed to replace existing load bearing masonry, re-supporting the existing structure above while maintaining stability. During the works, the floors will be temporarily propped with suitably braced scaffold/acrow props. The adjacent existing walls will need to be propped laterally. Once the temporary structure is in place, needle beams can be carefully installed at high level ensuring the existing masonry can be carefully dismantled to allow the new steelwork to be installed. Once the new permanent structure is fully fixed in place, and preloaded where necessary to avoid cracking, the temporary structure can be removed.

New steelwork to support these works sit within the depth of the existing floors and is similar to other steel interventions within the building that were carried out during the 1980s and 2000s works. New lintels in concrete are to match those already installed within the house, some original and others from more recent refurbishment works.

#### 3.1.4. FLOORS

Generally, the existing floor joists are to be retained at each level

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Where new steel beams are introduced, existing joists will need to be trimmed as necessary and re-supported on the new steelwork with proprietary metal joist hangers.

#### 3.1.5. ROOF

The existing roof is to be retained. Where the non-original chimney is to be removed, the void is to be infilled with new steel and timbers and the roof finished to match existing.

The flat roof is formed from a hollow clay pot slab. Where new rooflights are to be formed, new steel beams are to be introduced to trim the openings. Due to the span of the slab at this level no temporary propping is required to form the roof lights, the opening will be carefully diamond cut and locally broken out, taking care to reduce vibration as far as possible so as to maintain the integrity of the remaining slab.

#### 3.1.6. STAIRS

The existing staircase is positioned centrally in the building with solid masonry walls on each side. The wall on the south side is external with alterations to be made to the existing windows. The existing arrangement allows the staircase to be carefully dismantled without extensive temporary works, though a crash deck is to be installed to prevent falling debris posing a safety risk. The sequence of works described below will need to be carefully followed without deviation. Ultimately, the procedure for removing the existing staircase and installing the new one is straightforward with minimal implications on the existing fabric. All other permanent structural works are to be in place prior to starting the staircase installation.

1. Ensure that all other new permanent structural elements are in place prior to works commencing on the main staircase. New permanent structural steelwork will be providing restraint to the cross walls around the stair core with the timber floors (acting as a diaphragm) also restraining the walls at each level

2. Temporary scaffold is to be installed on the south facade to assist the modifications to the new large window opening. This opening and scaffold will be used for stair components to enter the building

3. Carefully remove the existing stairs in a top down sequence, with the crash deck reduced in height as the work progresses

4. Install/construct the new stair (detail design by specialist) from ground floor up. Landing steelwork is to be installed first, supported on the masonry side walls, which will in turn support the new stair structure

5. Remove scaffold and any other temporary props that were installed to assist the stair installation  $% \left[ \left( {{{\left( {{{\left( {{{\left( {{{{}}} \right)}} \right.} \right.} \right)}_{{\left( {{{\left( {{{\left( {{{}} \right)}} \right)}_{{\left( {{{}} \right)}}} \right)}_{{\left( {{{}} \right)}}}} \right)} \right]$ 

6. Make good any damage to brickwork etc. and install finishes to Architect's detail

Removal of the stair will not impact the external wall in the permanent or temporary condition. The wall is restrained by the adjacent cross-walls. The existing half landings are not bearing in to this external wall nor are any restraint straps installed and therefore are not providing any additional restraint.

The new stair is to be framed in steelwork and supported off steel beams at each floor level and half landing. These new beams will span between the load bearing masonry either

side of the new staircase. The stair design will be as shown on sketches SK-200 And SK-201 in appendix A.

#### 3.1.7. CHIMNEY

The non-original chimney is to be removed completely. This should be carried out carefully by dismantling the chimney stack at roof level first and then continuing the work down to lower ground level. Temporary propping will be provided as required to support floor plates or masonry while these works are carried out.

#### 3.2. SEQUENCE OF WORKS

LTS, the appointed Main Contractor, will be required to review this report with their team to propose their sequence of working prior to work commencing on site. This will strictly follow the parameters set out in this report, will be reviewed by Constructure as the Project Structural Engineer for compliance, and shall be monitored throughout the duration of the works.

A number of the structural alterations can be carried out simultaneously and therefore a site specific construction sequence is to be determined by the appointed Contractor.

To ensure that building remains stable throughout the works, the existing staircase must not be replaced until all other major structural works are completed.

#### 4. TEMPORARY WORKS

Temporary Works have been designed to facilitate these works. The appointed Contractor will still need to carry out their own temporary works design which will be submitted to the project structural engineer for comment and ensure that the proposals within this report are carefully followed.

The Contractor will be responsible for the design, erection and maintenance of all temporary works to ensure the stability of excavations and adjacent structures at all times.

#### 5. SUMMARY

The building is in a good and sound condition, with no signs of structural distress or disrepair, and as such in its current condition and form is fully suitable for refurbishment. All intended retained elements are considered adoptable with only light repair expected in the event of the exposure of hidden defects. Should any part of the building be found to contain hidden defects these will be reviewed on site by the Structural Engineer who shall remain engaged throughout the project.

The proposal to replace the existing staircase will not have an impact on the existing structure and its stability and integrity.

Consideration has been given to the need to ensure the structural stability and integrity of the historic fabric. The sequences noted in section 3 of this report demonstrate that the proposed works can be undertaken satisfactorily without impairing the stability or integrity of the existing structure.

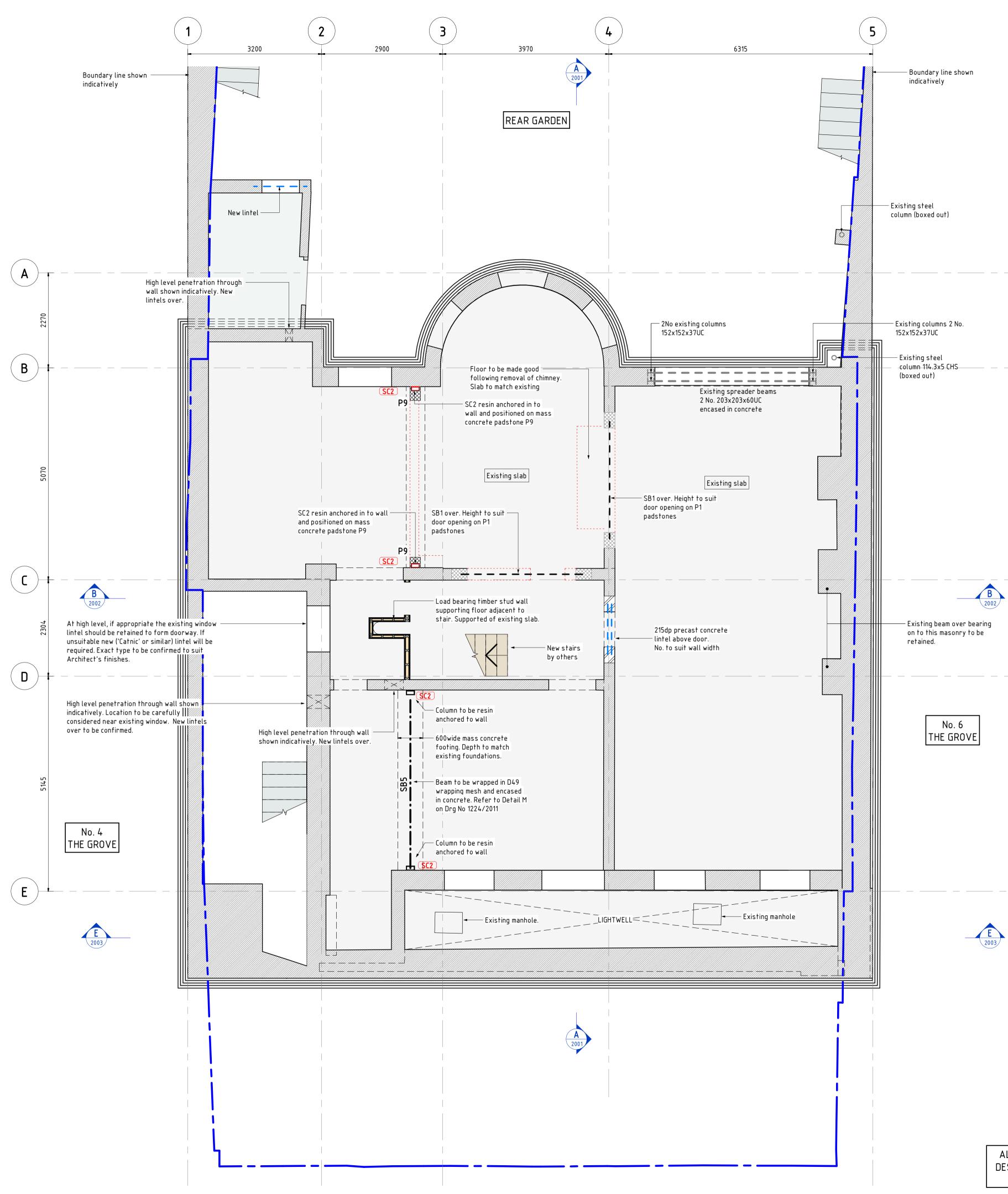
Once complete, the new permanent structure will provide a robust and secure support without detriment to the overall building stability.

08/08

#### APPENDICES.

APPENDIX A - PROPOSED STRUCTURAL PLANS
2124_1991_T7 - Lower Ground Floor
2124_1001_T5 - Upper Ground Floor
2124_1011_T4 - First Floor
2124_1021_T4 - Second Floor
2124_1031_T4 - Flat Roof Plan
2124_1032_T2 - Pitched Roof Plan
2124_2001_T4 - Section A-A
2124_2002_T4 - Section B-B
2124_2012_T4 - Details & Sections
2124-SK-200 - Stair details
2124-SK-201 - Landing & stair details

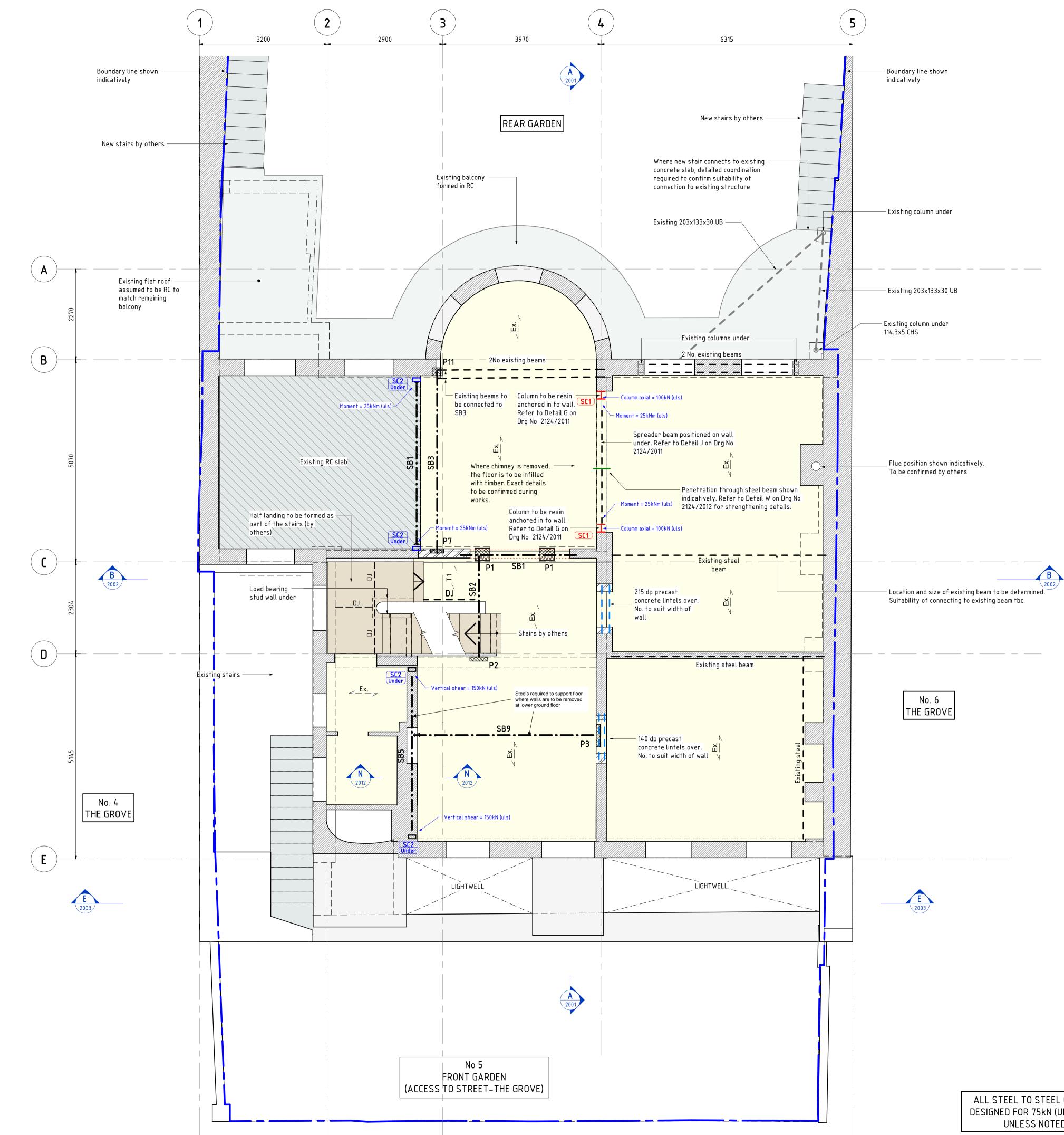
Lintels to match and replace existing concrete lintels where door openings are to be made wider



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<ul> <li>Structure under.</li> <li>Reinforced concrete section.</li> <li>Reinforced concrete surface.</li> <li>Mass concrete.</li> <li>Mass concrete.</li> <li>Blockwork.</li> <li>Blockwork.</li> <li>Timber stud wall.</li> <li>Timber stud wall.</li> <li>Obenotes crank in beam.</li> <li>D</li> <li>Double-up joists.</li> <li>Demotifion lines.</li> </ul> STEEL WORK COLUMNS SC1 UC203x203x46 SC2 RHS200x100x10 STEELWORK BEAMS SB1 UC203x203x46 SB2 UC152x152x37 SB3 UB203x102x23 SB5 UC254x254x73 SB6 UC152x152x37 SB3 UB203x102x23 SB5 UC254x254x73 SB6 UC152x152x37 SB3 UB203x102x23 SB5 UC254x254x73 SB6 UC203x203x60 SB7 UB203x133x30 PADSTONE SCHEDULE P1 300 lg, 150 dp, (width to suit wall) MC padstone. P2 450 lg, 100 wd, 225 dp MC padstone. P3 560 lg, 300 dq, 225 dp MC padstone. P4 201 1000 lg, 100 wd, 225 dp MC padstone. P9 250 lg, 330 ud, 225 dp MC padstone. P9 250 lg, 330 ud, 225 dp MC padstone. P9 250 lg, 330 ud, 225 dp MC padstone. P1 300 lg, 100 wd, 225 dp MC padstone. P1 250 lg, 330 ud, 225 dp MC padstone. P1 250 lg, 330 ud, 225 dp MC padstone. P2 250 lg, 330 ud, 225 dp MC padstone. P3 560 lg, 350 dp, width to match wall. MC padstone. P4 250 lg, 330 ud, 225 dp MC padstone. P1 250 lg, 200 wd. 225 dp MC padstone. P1 250 lg, 200 wd. 225 dp MC padstone. P1 200 x 50 C24 timber joist span (all tbc. following full strip out). Ex. Pritched roof assumed to be formed from timber with hollow clay pot floor forming 2nd floor ceiling. T1 42.02.22 JFJ TG Issued for Tender T3 60.12.21 JFJ TG Issued for Tender T3 61.22.1 JFJ TG I	Legend :																																																																																																																																		
<ul> <li>Reinforced concrete surface.</li> <li>Reinforced concrete surface.</li> <li>Mass concrete.</li> <li>Blockwork.</li> <li>Blockwork.</li> <li>Timber stud wall.</li> <li>Moment frame connection.</li> <li>Denotes crank in bean.</li> <li>DJ - Double-up joists.</li> <li>Demolition lines.</li> </ul> STEEL WORK COLUMNS SSC1 UC203x203x46 SS2 RHS200x100x10 STEEL WORK BEAMS SB1 UC203x203x46 SS2 UC152x152x37 SB3 UB203x102x23 SB5 UC254x25x473 SB6 UC203x203x66 SB7 UB203x102x23 SB5 UC254x25x473 SB6 UC203x203x66 SB7 UB203x102x23 SB7 UB203x132x30 PADSTONE SCHEDULE P1 300 lg, 150 dp. (width to suit wall) MC padstone. P2 450 lg, 100 wd, 225 dp MC padstone. P3 560 lg, 300 dp. 225 dp MC padstone. P4 250 lg, 330 wd, 225 dp MC padstone. P9 250 lg, 330 wd, 225 dp MC padstone. P9 250 lg, 330 wd, 225 dp MC padstone. P9 250 lg, 330 wd, 225 dp MC padstone. P1 300 lg, 100 wd, 225 dp MC padstone. P1 250 lg, 330 wd, 225 dp MC padstone. P2 10 1000 lg, 100 wd, 225 dp MC padstone. P3 250 lg, 330 wd, 225 dp MC padstone. P3 250 lg, 330 wd, 225 dp MC padstone. P3 250 lg, 330 wd, 225 dp MC padstone. P4 250 lg, 100 wd, 225 dp MC padstone. P3 250 lg, 320 wd, 225 dp MC padstone. P4 250 lg, 100 wd, 250 dp MC padstone. P3 250 lg, 320 wd, 225 dp MC padstone. P1 200 x 50 C24 timber joist span (all tbc. following full strip out). Ex. OF FILOOR LEGEND Ex. TENDER ISSUE Status T1 14.09.22 JFJ TG Issued for Tender T4 22.02.22 JFJ TG Issued for Tender T4 22.05.21 FJ TG Issued for Tender T4 22.05.21 FJ TG Issued for Tender T4 20.72.1 ET TG Issued for Information T1 14.07.21 ET TG Issued for Information T1 42.07.21 ET TG Issu	<u>////////////////////////////////////</u>	-	-																																																																																																																																
<ul> <li>Reinforced concrete surface.</li> <li>Mass concrete.</li> <li>Blockwork.</li> <li>Blockwork.</li> <li>Timber stud wall.</li> <li>Timber stud wall.</li> <li>Moment frame connection.</li> <li>Denotes crank in beam.</li> <li>D.</li> <li>Denotes crank in beam.</li> <li>D.</li> <li>Demolition lines.</li> </ul> STEEL WORK COLUMNS SC1 UC203x203x46 SC2 RHS200x100x10 STEEL WORK BEAMS		_																																																																																																																																	
-       Blockwork.         -       -       Brickwork.         -       -       Timber stud wall.         -       -       Moment frame connection.         -       -       Denotes crank in beam.         DJ       -       Double-up joists.         -       Demotition tines.         STEEL WORK COLUMNS         SC1       UC203x203x46         SC2       RHS200x100x10         STEEL WORK BEAMS		-																																																																																																																																	
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<ul> <li>Timber stud wall.</li> <li>Moment frame connection.</li> <li>Denotes crank in beam.</li> <li>DJ - Double-up joists.</li> <li>Demolition lines.</li> </ul> STEEL WORK COL UMNS SC1 UC203x203x46 SC2 RHS200x100x10 STEEL WORK BEAMS SB1 UC203x203x46 SB2 UC152x152x37 SB3 UB203x102x23 SB5 UC254x254x73 SB5 UC254x254x73 SB6 UC203x203x60 SB7 UB203x103x30 PADSTONE SCHEDULE P1 300 lg, 150 dp. (width to suit wall) MC padstone. P2 450 lg, 100 wd, 225 dp MC padstone. P3 560 lg, 100 wd, 225 dp MC padstone. P7 330 lg, 100 wd, 225 dp MC padstone. P1 250 lg, 330 wd, 225 dp MC padstone. P1 250 lg, 330 wd, 225 dp MC padstone. P1 250 lg, 300 wd, 225 dp MC padstone. P1 250 lg, 300 wd, 225 dp MC padstone. P1 250 lg, 300 wd, 225 dp MC padstone. P3 560 lg, 100 wd, 225 dp MC padstone. P3 250 lg, 300 wd, 225 dp MC padstone. P1 200 vs 0 C24, timber joist span (all tbc. following full strip out). Ex. Denotes existing floor joist span (all tbc. following full strip out). Ex. Denotes existing floor forming 2nd floor ceiling. 11 200 x 50 C24, timber joist span (all tbc. following full strip out). Ex. Denotes existing floor forming 2nd floor ceiling. 11 200 x 50 C24, timber joist span (all tbc. following full strip out). Ex. Denotes existing floor forming 2nd floor ceiling. 11 200 x 50 C24, timber joist span (all tbc. following full strip out). Ex. Denotes existing floor forming 2nd floor ceiling. 11 200 x 50 C24, timber joist span (all tbc. following full strip out). Ex. Denotes existing floor forming 2nd floor ceiling. 11 200 x 50 C24, timber joist span (all tbc. following full strip out). Ex. Denotes existing floor forming 2nd floor ceiling. 11 200 x 50 C24, timber joist span (all tbc. following full strip out). Ex. Denotes existing floor forming 2nd floor ceiling. 11 1	$\times$	🔨 - Bloc	kwork.																																																																																																																																
- Moment frame connection.     Denotes crank in beam.     DJ - Double-up joists.     Demolition lines.  STEEL WORK COLUMNS SC1 UC203x203x46 SC2 RHS200x100x10  STEEL WORK BEAMS SB1 UC203x203x46 SB2 UC152x152x37 SB5 UC254x254x73 SB5 UC254x254x73 SB6 UC203x203x60 SB7 UB203x103x30  PADSTONE SCHEDULE P1 300 lg, 150 dp. (width to suit wall) MC padstone. P2 450 lg, 100 wd, 225 dp MC padstone. P3 560 lg, 300 dq, 225 dp MC padstone. P3 560 lg, 300 dq, 225 dp MC padstone. P4 300 lg, 150 dp. (width to match wall. MC padstone. P7 330 lg, 100 wd, 225 dp MC padstone. P3 560 lg, 300 dq, 225 dp MC padstone. P4 50 lg, 300 dq, 225 dp MC padstone. P4 250 lg, 300 dq, 225 dp MC padstone. P4 250 lg, 300 dq, 225 dp MC padstone. P5 250 lg, 300 dq, 225 dp MC padstone. P1 250 lg, 200 wd. 225 dp MC padstone. P1 250 lg, 200 wd. 225 dp MC padstone. P1 250 lg, 200 wd. 225 dp MC padstone. P1 250 lg, 200 wd. 225 dp MC padstone. P1 250 lg, 200 wd. 225 dp MC padstone. P3 560 lg, 100 wd, 500 dp MC padstone. P4 500 lg, 300 dg, 255 dp MC padstone. P5 250 lg, 300 dg, 255 dp MC padstone. P1 250 lg, 200 wd. 225 dp MC padstone. P1 250 lg, 200 wd. 225 dp MC padstone. P1 250 lg, 200 wd. 225 dp MC padstone. P1 250 lg, 200 wd. 225 dp MC padstone. P1 250 lg, 200 wd. 225 dp MC padstone. P1 250 lg, 200 wd. 225 dp MC padstone. P1 250 lg, 200 wd. 225 dp MC padstone. P1 250 lg, 200 wd. 225 dp MC padstone. P1 1 250 lg, 200 wd. 225 dp MC padstone. P1 250 lg, 200 wd. 225 dp MC padstone. P1 250 lg, 200 wd. 225 dp MC padstone. P1 250 lg, 200 wd. 225 dp MC padstone. P1 250 lg, 200 wd. 225 dp MC padstone. P1 250 lg, 200 wd. 225 dp MC padstone. P1 250 lg, 200 wd. 225 dp MC padstone. P1 250 lg, 200 wd. 225 dp MC padstone. P1 250 lg, 200 wd. 225 dp MC padstone. P1 250 lg, 200 wd. 225 dp MC padstone. P1 250 lg, 200 wd. 225 dp MC padstone. P1 250 lg, 200 wd. 225 dp MC padstone. P1 250 lg, 200 wd. 225 dp MC padstone. P1 250 lg, 200 wd. 225 dp MC padstone. P1 250 lg, 200 wd. 225 dp MC padstone. P1 250 lg, 200 x50 C24 timber joists @ 400 c/c. with 25mm ply glued & screwe		– Bricł	(work.																																																																																																																																
<ul> <li>Denotes crank in beam.</li> <li>Duble-up joists.</li> <li>Demolition lines.</li> </ul> STEEL WORK COLUMNS SC1 UC203x203x46 SC2 RHS200x100x10 STEEL WORK BEAMS SB1 UC203x203x46 SB2 UC152x152x37 SB3 UB203x102x23 SB5 UC254x254x73 SB6 UC203x203x60 SB7 UB203x133x30 PADSTONE SCHEDULE P1 300 lg, 150 dp. (width to suit wall) MC padstone. P2 450 lg, 100 wd, 225 dp MC padstone. P3 560 lg, 350 dp. width to match wall. MC padstone. P7 330 lg, 100 wd, 225 dp MC padstone. P8 560 lg, 350 dp. width to match wall. MC padstone. P9 250 lg, 300 wd, 225 dp MC padstone. P1 1000 lg, 100 wd, 225 dp MC padstone. P3 560 lg, 300 dp. vidth to match wall. MC padstone. P4 250 lg, 200 wd. 225 dp MC padstone. P5 250 lg, 300 wd, 225 dp MC padstone. P1 200 lg, 000 wd, 225 dp MC padstone. P3 560 lg, 300 dp. vidth to match wall. MC padstone. P4 250 lg, 200 wd. 225 dp MC padstone. P1 200 lg, 000 wd, 225 dp MC padstone. P1 200 lg, 000 wd, 225 dp MC padstone. P1 200 lg, 200 wd. 225 dp MC padstone. P1 200 lg, 200 wd. 225 dp MC padstone. P1 200 lg, 200 wd. 225 dp MC padstone. P1 200 x 50 C24 timber joist span (all tbc. following full strip out). Ex.Roof Pirtched roof assumed to be formed from timber with hollow clay pot floor forming 2nd floor ceiling. 11 200 x 50 C24 timber joists (@ 400 c/c. with 25mm ply glued & screwed over. Status TENDER ISSUE T7 14.09.22 JFJ TG Issued for Tender T6 26.02.22 JFJ TG Issued for Tender T3 16.12.21 JFJ TG Issued for Tender T2 06.12.21 JFJ TG Issued for Tender T2 06.12.21 JFJ TG Issued for Tender T3 16.12.21 JFJ TG Issued for Tender T3 16.12.21 JFJ TG Issued for Tender T1 2.05.21 ET TG Issued for Tender T1 4.07.21 ET TG Issued for Tender T1 4.07.21 ET TG Issued for Tender T0 Issued for Tender		_ – Timb	er stud wal	l.																																																																																																																															
DJ       - Double-up joists.         - Demolition lines.         STEEL WORK COL UMNS         SC1       UC203x203x46         SC2       RHS200x100x10         STEEL WORK BEAMS	<b>_ · _</b>	– Mom	ent frame c	onnection.																																																																																																																															
-       Demolition lines.         STEEL WORK COLUMNS         SC1       UC203x203x46         SC2       RHS200x100x10         STEEL WORK BEAMS	-X-	🗕 – Deno	ites crank i	n beam.																																																																																																																															
STEEL WORK COLUMNS         SC1       UC203x203x46         SC2       RHS200x100x10         STEEL WORK BEAMS         SB1       UC203x203x46         SB2       UC152x152x37         SB3       UB203x102x23         SB5       UC254x254x73         SB6       UC203x203x60         SB7       UB203x102x23         SB5       UC254x254x73         SB6       UC203x203x60         SB7       UB203x133x30         PADSTONE SCHEDULE       Ex.         P1       300 1g, 100 wd, 225 dp MC padstone.         P3       S60 1g, 100 wd, 225 dp MC padstone.         P3       250 1g, 330 wd, 225 dp MC padstone.         P10       100 000 dg, 250 dp MC padstone.         P10       200 1g, 200 wd. 225 dp MC padstone.         P10       200 1g, 200 wd. 225 dp MC padstone.         P10       200 1g, 200 wd. 225 dp MC padstone.         FLOOR		-																																																																																																																																	
SC1         UC203x203x46           SC2         RHS200x100x10           STEELWORK BEAMS	L	_ – Demo	olition lines																																																																																																																																
SC1         UC203x203x46           SC2         RHS200x100x10           STEELWORK BEAMS	STEELW	ORK COLU	MNS																																																																																																																																
STEELWORK BEAMS         SB1       UC203x203x46         SB2       UC152x152x37         SB3       UB203x102x23         SB5       UC254x254x73         SB6       UC203x203x60         SB7       UB203x133x30         PADSTONE SCHEDULE       Image: Comparison of the second of the	SC1		U																																																																																																																																
SB1       UC203x203x46         SB2       UC152x152x37         SB3       UB203x102x23         SB5       UC254x254x73         SB6       UC203x203x60         SB7       UB203x133x30         PADSTONE SCHEDULE         P1       300 lg, 150 dp. (width to suit wall) MC padstone.         P2       450 lg, 100 wd, 225 dp MC padstone.         P3       560 lg, 100 wd, 225 dp MC padstone.         P7       330 lg, 100 wd, 225 dp MC padstone.         P8       560 lg, 350 dp, width to match wall. MC padstone.         P9       250 lg, 330 wd, 225 dp MC padstone.         P10       1000 lg, 100 wd, 500 dp MC padstone.         P11       250 lg, 200 wd. 225 dp MC padstone.         P10       1000 lg, 100 wd, 500 dp MC padstone.         P11       250 lg, 200 wd. 225 dp MC padstone.         P11       250 lg, 200 wd. 225 dp MC padstone.         P11       250 lg, 200 wd. 225 dp MC padstone.         P11       250 lg, 200 wd. 225 dp MC padstone.         P11       200 x 50 C24 timber joist span (all tbc. following full strip out).         Ex.       Denotes existing floor joist span (all tbc. following full strip out).         Ex.       Denotes existing floor is sumed to be formed from timber with hollow clay pot floor forming 2nd floor ceiling.				nszuux100x10																																																																																																																															
SB2       UC152x152x37         SB3       UB203x102x23         SB5       UC254x254x73         SB6       UC203x203x60         SB7       UB203x133x30    PADSTONE SCHEDULE          P1       300 lg, 150 dp. (width to suit wall) MC padstone.         P2       450 lg, 100 wd, 225 dp MC padstone.         P3       560 lg, 100 wd, 225 dp MC padstone.         P4       300 lg, 150 dp. (width to match wall. MC padstone.         P7       330 lg, 100 wd, 225 dp MC padstone.         P8       560 lg, 350 dp, width to match wall. MC padstone.         P9       250 lg, 330 wd, 225 dp MC padstone.         P1       1000 lg, 100 wd, 500 dp MC padstone.         P1       250 lg, 200 wd. 225 dp MC padstone.         P1       250 lg, 200 wd. 225 dp MC padstone.         P1       250 lg, 200 wd. 225 dp MC padstone.         P1       200 x 50 C24 timber joist span (all tbc. following full strip out).         Ex.Roof       Pitched roof assumed to be formed from timber with hollow clay pot floor forming 2nd floor ceiling.         T1       200 x 50 C24 timber joists @ 400 c/c. with 25mm ply glued & screwed over.         Status       TENDER ISSUE         T7       14.09.22       JFJ       TG         10.10.4.22       JFJ       I		ORK BEAM		C203x203x46	•																																																																																																																														
SB5       UC254x254x73         SB6       UC203x203x60         SB7       UB203x133x30         PADSTONE SCHEDULE       Image: Constraint of the suit wall) MC padstone.         P1       300 lg, 150 dp. (width to suit wall) MC padstone.         P2       450 lg, 100 wd, 225 dp MC padstone.         P3       560 lg, 100 wd, 225 dp MC padstone.         P7       330 lg, 100 wd, 225 dp MC padstone.         P9       250 lg, 330 wd, 225 dp MC padstone.         P1       1000 lg, 100 wd, 500 dp MC padstone.         P9       250 lg, 200 wd. 225 dp MC padstone.         P10       1000 lg, 100 wd, 500 dp MC padstone.         P11       250 lg, 200 wd. 225 dp MC padstone.         P11       250 lg, 200 wd. 225 dp MC padstone.         P11       250 lg, 200 wd. 225 dp MC padstone.         P11       250 lg, 200 wd. 225 dp MC padstone.         P11       250 lg, 200 wd. 225 dp MC padstone.         P11       250 lg, 200 wd. 225 dp MC padstone.         P11       250 lg, 200 wd. 225 dp MC padstone.         P12       Denotes existing floor joist span (all tbc. following full strip out).         Ex.       Denotes existen floor forming 2nd floor ceiling.         T1       200 x 50 C24 timber joists (@ 400 c/c. with 25mm ply glued & screwed over.         Stat																																																																																																																																			
SB7       UB203x133x30         PADSTONE SCHEDULE       Image: Constraint of the suit wall) MC padstone.         P2       450 lg, 100 wd, 225 dp MC padstone.         P3       560 lg, 300 wd, 225 dp MC padstone.         P4       300 lg, 150 dp, width to suit wall) MC padstone.         P7       330 lg, 100 wd, 225 dp MC padstone.         P8       560 lg, 350 dp, width to match wall. MC padstone.         P9       250 lg, 230 wd, 225 dp MC padstone.         P10       1000 lg, 100 wd, 500 dp MC padstone.         P11       250 lg, 200 wd. 225 dp MC padstone.         P11       250 lg, 200 wd. 225 dp MC padstone.         P11       250 lg, 200 wd. 225 dp MC padstone.         P11       250 lg, 200 wd. 225 dp MC padstone.         P11       250 lg, 200 wd. 225 dp MC padstone.         P11       250 lg, 200 wd. 225 dp MC padstone.         P11       250 lg, 200 wd. 225 dp MC padstone.         P11       250 lg, 200 wd. 225 dp MC padstone.         P11       250 lg, 200 wd. 225 dp MC padstone.         P12       Denotes existing floor joist span (all tbc. following full strip out).         Ex.       Denotes existing floor joist span (all tbc. following full strip out).         Ex.Roof       Pitched roof assumed to be formed from timber with hollow clay pot floor forming 2nd floor ceiling.	SB5		U	C254x254x73																																																																																																																															
P1300 lg, 150 dp. (width to suit wall) MC padstone.P2450 lg, 100 wd, 225 dp MC padstone.P3560 lg, 100 wd, 2025 dp MC padstone.P7330 lg, 100 wd, 225 dp MC padstone.P8560 lg, 350 dp, width to match wall. MC padstone.P9250 lg, 330 wd, 225 dp MC padstone.P101000 lg, 100 wd, 500 dp MC padstone.P11250 lg, 200 wd. 225 dp MC padstone.P11250 lg, 200 wd. 225 dp MC padstone.P11250 lg, 200 wd. 225 dp MC padstone.FLOOR LEGENDPitched roof assumed to be formed from timber with hollow clay pot floor forming 2nd floor ceiling.T1200 x 50 C24 timber joists @ 400 c/c. with 25mm ply glued & screwed over.StatusTENDER ISSUET114.09.22JFJTGIssued for TenderT4.02.22JFJTGIssued for TenderT4.02.22JFJTGIssued for TenderT1200 x 50 C24 timber joists @ 400 c/c. with 25mm ply glued & screwed over.StatusTENDER ISSUET1200 x 50 C24 timber joists @ 400 c/c. with 25mm ply glued & screwed over.StatusTENDER ISSUET114.09.22JFJTG <tr< td=""><td></td><td></td><td></td><td></td><td></td></tr<>																																																																																																																																			
P1300 lg, 150 dp. (width to suit wall) MC padstone.P2450 lg, 100 wd, 225 dp MC padstone.P3560 lg, 100 wd, 200 dp MC padstone.P7330 lg, 100 wd, 225 dp MC padstone.P8560 lg, 350 dp, width to match wall. MC padstone.P9250 lg, 330 wd, 225 dp MC padstone.P101000 lg, 100 wd, 500 dp MC padstone.P11250 lg, 200 wd. 225 dp MC padstone.P11250 lg, 200 wd. 225 dp MC padstone.P11250 lg, 200 wd. 225 dp MC padstone.FLOOR LEGENDPitched roof assumed to be formed from timber with hollow clay pot floor forming 2nd floor ceiling.T1200 x 50 C24 timber joists @ 400 c/c. with 25mm ply glued & screwed over.StatusTENDER ISSUET114.09.22JFJTGIssued for TenderT4.02.22JFJTGIssued for TenderT4.02.22JFJTGIssued for TenderT1200 x 50 C24 timber joists @ 400 c/c. with 25mm ply glued & screwed over.StatusTENDER ISSUET1200 x 50 C24 timber joist @ 400 c/c. with 25mm 	ραπςτη																																																																																																																																		
P3       560 lg, 100 wd, 300 dp MC padstone.         P7       330 lg, 100 wd, 225 dp MC padstone.         P8       560 lg, 350 dp, width to match wall. MC padstone.         P9       250 lg, 330 wd, 225 dp MC padstone.         P10       1000 lg, 100 wd, 500 dp MC padstone.         P11       250 lg, 200 wd. 225 dp MC padstone.         P11       250 lg, 200 wd. 225 dp MC padstone.         P11       250 lg, 200 wd. 225 dp MC padstone.         FLOOR LEGEND       Pitched roof assumed to be formed from timber with hollow clay pot floor forming 2nd floor ceiling.         T1       200 x 50 C24 timber joists @ 400 c/c. with 25mm ply glued & screwed over.         Status         TENDER ISSUE         Ti 14.09.22 JFJ TG Issued for Tender         T6 26.04.22 JFJ TG Issued for Tender         T6 26.04.22 JFJ TG Issued for Tender         T6 Issued for Tender	P1	300 lg	, 150 dp. (wi		MC padstone.																																																																																																																														
P8560 lg, 350 dp, width to match wall. MC padstone.P9250 lg, 330 wd, 225 dp MC padstone.P101000 lg, 100 wd, 500 dp MC padstone.P11250 lg, 200 wd. 225 dp MC padstone.FLOOR LEGENDEx.Denotes existing floor joist span (all tbc. following full strip out).Ex.RoofPitched roof assumed to be formed from timber with hollow clay pot floor forming 2nd floor ceiling.T1200 x 50 C24 timber joists @ 400 c/c. with 25mm ply glued & screwed over.StatusTENDER ISSUET1TGIssued for TenderT511.04.22JFJTGIssued for TenderT422.02.22JFJTGIssued for TenderT316.12.21JFJTGIssued for TenderT206.12.21JFJTGIssued for TenderT211.121ETTGIssued for TenderT114.07.21ETT6Issued for TenderT114.07.21ETT6Issued for TenderT114.07.21ETT6Issued for TenderT114.07.21ETT6Issued for TenderT114.07.21ETT6Issued for TenderT112.05.21ETT6Issued for Information	P3		560 lg, 100 v	wd, 300 dp MC pao	lstone.																																																																																																																														
P10       1000 lg, 100 wd, 500 dp MC padstone.         P11       250 lg, 200 wd. 225 dp MC padstone         FLOOR LEGEND       Denotes existing floor joist span (all tbc. following full strip out).         Ex.       Denotes existing floor forming 2nd floor ceiling.         T1       200 x 50 C24 timber joists (a) 400 c/c. with 25mm ply glued & screwed over.         Status         TENDER ISSUE         T7       14.09.22         JFJ       TG       Issued for Tender         T6       26.04.22       JFJ       TG       Issued for Tender         T4       22.02.22       JFJ       TG       Issued for Tender         T4       22.02.22       JFJ       TG       Issued for Tender         T4       22.02.22       JFJ       TG       Issued for Tender         T2       06.12.21       JFJ       TG       Issued for Tender         T2       11.1.21       ET       TG       Issued for Information         T1       14.07.21       ET       TG       Issued for Information		560 lg,	350 dp, widt	th to match wall.	MC padstone.																																																																																																																														
FLOOR LEGEND         Denotes existing floor joist span (all tbc. following full strip out).         Ex.Roof       Pitched roof assumed to be formed from timber with hollow clay pot floor forming 2nd floor ceiling.         T1       200 x 50 C24 timber joists @ 400 c/c. with 25mm ply glued & screwed over.         Status         Status         T 14.09.22       JF J       T G       Issued for Tender         T6       26.04.22       JF J       T G       Issued for Tender         T4       22.02.22       JF J       T G       Issued for Tender         T3       16.12.21       JF J       T G       Issued for Tender         T2       06.12.21       JF J       T G       Issued for Tender         T2       06.12.21       JF J       T G       Issued for Tender         T2       11.11.21       E T       T G       Issued for Tender         T1       14.07.21       E T       T G       Issued for Information         T 1       14.07.21       E T       T G       Issued for Information		1	000 lg, 100	wd, 500 dp MC pa	dstone.																																																																																																																														
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Status       TENDER ISSUE         T7       14.09.22       JFJ         T6       26.04.22       JFJ         T6       11.04.22       JFJ         T6       11.04.22       JFJ         T6       16.12.21       JFJ         T6       16.12.21       JFJ         T6       18sued for Tender         T2       06.12.21       JFJ         T6       Issued for Tender         T2       11.11.21       ET         T7       14.07.21       ET         T6       Issued for Tender         T2       11.11.21         ET       TG         I1       14.07.21         ET       TG         I2       11.11.21         ET       TG         I3       Issued for Information         T1       14.07.21       ET         T6       Issued for Information <tr td="">       I1   <!--</td--><td>P11</td><td></td><td>250 lg, 200 v</td><td>wd. 225 dp MC pa</td><td>dstone</td></tr> <tr><td>Ex.       full strip out).         Ex.Roof       Pitched roof assumed to be formed from timber with hollow clay pot floor forming 2nd floor ceiling.         T1       200 x 50 C24 timber joists @ 400 c/c. with 25mm ply glued &amp; screwed over.         Status         TENDER ISSUE         T7       14.09.22       JFJ       TG       Issued for Tender         T6       26.04.22       JFJ       TG       Issued for Tender         T5       11.04.22       JFJ       TG       Issued for Tender         T4       22.02.22       JFJ       TG       Issued for Tender         T3       16.12.21       JFJ       TG       Issued for Tender         T2       06.12.21       JFJ       TG       Issued for Tender         T2       11.11.21       ET       TG       Issued for Tender         T1       14.07.21       ET       TG       Issued for Tender         T1       14.07.21       ET       TG       Issued for Information         T1       14.07.21       ET       TG       Issued for Tender         T1       27.05.21       ET       TG       Issued for Tender         T3       16.12.21       JFJ       TG       Issued for Information</td><td></td><td></td><td>existing fl</td><td>oor ioist snan (al</td><td>l thr. following</td></tr> <tr><td>Image: Status       with hollow clay pot floor forming 2nd floor ceiling.         Image: Status       200 x 50 C24 timber joists @ 400 c/c. with 25mm ply glued &amp; screwed over.         Status       Image: Status         T7       14.09.22       JFJ       TG         Image: Status       Image: Status       Image: Status         T7       14.09.22       JFJ       TG         Image: Status       Image: Status       Image: Status         T7       14.09.22       JFJ       TG         Image: Status       Image: Status       Image: Status         T7       14.09.22       JFJ       TG         Image: Status       Image: Status       Image: Status       Image: Status         T6       26.04.22       JFJ       TG       Issued for Tender         T4       22.02.22       JFJ       TG       Issued for Tender         T4       22.02.22       JFJ       TG       Issued for Tender         T2       06.12.21       JFJ       TG       Issued for Tender         T6       Issued for Information       Image: Status       Image: Status         T7       14.07.21       ET       TG       Issued for Information         T1       14.07.21       ET</td><td></td><td>- full strij</td><td>p out).</td><td></td><td></td></tr> <tr><td>StatusTENDER ISSUET714.09.22JFJTGIssued for TenderT626.04.22JFJTGIssued for TenderT511.04.22JFJTGIssued for TenderT422.02.22JFJTGIssued for TenderT316.12.21JFJTGIssued for TenderT206.12.21JFJTGIssued for Tender1211.11.21ETTGIssued for InformationT114.07.21ETTGIssued for Tender1127.05.21ETTGIssued for Information</td><td>Ex.Roof</td><td>- with holl</td><td>low clay pot</td><td>floor forming 2</td><td>nd floor ceiling.</td></tr> <tr><td>TENDER ISSUET714.09.22JFJTGIssued for TenderT626.04.22JFJTGIssued for TenderT511.04.22JFJTGIssued for TenderT422.02.22JFJTGIssued for TenderT316.12.21JFJTGIssued for TenderT206.12.21JFJTGIssued for Tender1211.11.21ETTGIssued for InformationT114.07.21ETTGIssued for Tender1127.05.21ETTGIssued for Information</td><td><u>_ T1</u></td><td></td><td></td><td></td><td>: with 25mm</td></tr> <tr><td>T714.09.22JFJTGIssued for TenderT626.04.22JFJTGIssued for TenderT511.04.22JFJTGIssued for TenderT422.02.22JFJTGIssued for TenderT316.12.21JFJTGIssued for TenderT206.12.21JFJTGIssued for Tender1211.11.21ETTGIssued for InformationT114.07.21ETTGIssued for InformationI127.05.21ETTGIssued for Information</td><td>Status</td><td></td><td></td><td></td><td></td></tr> <tr><td>T626.04.22JFJTGIssued for TenderT511.04.22JFJTGIssued for TenderT422.02.22JFJTGIssued for TenderT316.12.21JFJTGIssued for TenderT206.12.21JFJTGIssued for TenderI211.11.21ETTGIssued for InformationT114.07.21ETTGIssued for TenderI127.05.21ETTGIssued for Information</td><td>T7 4/ 00</td><td></td><td></td><td></td><td></td></tr> <tr><td>T422.02.22JFJTGIssued for TenderT316.12.21JFJTGIssued for TenderT206.12.21JFJTGIssued for TenderI211.11.21ETTGIssued for InformationT114.07.21ETTGIssued for TenderI127.05.21ETTGIssued for Information</td><td>T6 26.04</td><td>+.22 JFJ</td><td>TG Is</td><td>sued for Tender</td><td></td></tr> <tr><td>T206.12.21JFJTGIssued for Tender1211.11.21ETTGIssued for InformationT114.07.21ETTGIssued for Tender1127.05.21ETTGIssued for Information</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>I211.11.21ETTGIssued for InformationT114.07.21ETTGIssued for TenderI127.05.21ETTGIssued for Information</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>I1 27.05.21 ET TG Issued for Information</td><td>12 11.11</td><td>.21 ET</td><td>TG Is</td><td>sued for Informa</td><td>tion</td></tr> <tr><td>Rev Date Drawn Eng Amendment</td><td></td><td></td><td></td><td></td><td>tion</td></tr> <tr><td>Project</td><td></td><td>te Drawn</td><td>Eng A</td><td>mendment</td><td></td></tr> <tr><td></td><td>ΙΗŁ</td><td>UKUVI</td><td><u>-</u>, пы</td><td>JUAIE</td><td></td></tr> <tr><td>THE GROVE, HIGHGATE</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Ι ΠΕ ΔΚΟΥΕ, ΗΙΔΗΔΑΙΕ</td><td>LOWEF</td><td>R GROUNE</td><td>) FLOOR</td><td>PLAN</td><td></td></tr> <tr><td>THE GROVE, HIGHGATE</td><td>Drawing</td><td>No. 2124</td><td>. / 1991</td><td>Rev</td><td>Τ7</td></tr> <tr><td>LOWER GROUND FLOOR PLAN</td><td>Scale @ /</td><td>A1</td><td>1:50</td><td>Scale @ A3</td><td>1:100</td></tr> <tr><td>LOWER GROUND FLOOR PLAN Drawing No. 2124 / 1991 Rev T7</td><td>Drawn</td><td></td><td>ET</td><td>Engineer</td><td>TG</td></tr> <tr><td>LOWER GROUND FLOOR PLAN   Drawing No. 2124 / 1991   Rev   T7   Scale @ A1   1:50   Scale @ A3   1:100</td><td>٥ ٦</td><td>nst</td><td>ГИС</td><td>ture</td><td></td></tr> <tr><td>LOWER GROUND FLOOR PLAN   Drawing No. 2124 / 1991   Rev   T7   Scale @ A1   1:50   Scale @ A3   1:100</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>Drawing No. 2124 / 1991       Rev       T7         Scale @ A1       1:50       Scale @ A3       1:100         Drawn       ET       Engineer       TG</td><td></td><td>- L D - '</td><td></td><td>office@constr</td><td></td></tr>	P11		250 lg, 200 v	wd. 225 dp MC pa	dstone	Ex.       full strip out).         Ex.Roof       Pitched roof assumed to be formed from timber with hollow clay pot floor forming 2nd floor ceiling.         T1       200 x 50 C24 timber joists @ 400 c/c. with 25mm ply glued & screwed over.         Status         TENDER ISSUE         T7       14.09.22       JFJ       TG       Issued for Tender         T6       26.04.22       JFJ       TG       Issued for Tender         T5       11.04.22       JFJ       TG       Issued for Tender         T4       22.02.22       JFJ       TG       Issued for Tender         T3       16.12.21       JFJ       TG       Issued for Tender         T2       06.12.21       JFJ       TG       Issued for Tender         T2       11.11.21       ET       TG       Issued for Tender         T1       14.07.21       ET       TG       Issued for Tender         T1       14.07.21       ET       TG       Issued for Information         T1       14.07.21       ET       TG       Issued for Tender         T1       27.05.21       ET       TG       Issued for Tender         T3       16.12.21       JFJ       TG       Issued for Information			existing fl	oor ioist snan (al	l thr. following	Image: Status       with hollow clay pot floor forming 2nd floor ceiling.         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Rev Date Drawn Eng Amendment					tion																																																																																																																														
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Drawing No. 2124 / 1991       Rev       T7         Scale @ A1       1:50       Scale @ A3       1:100         Drawn       ET       Engineer       TG		- L D - '		office@constr																																																																																																																															

## ALL STEEL TO STEEL CONNECTIONS TO BE DESIGNED FOR 75kN (ULS) VERTICAL SHEAR UNLESS NOTED OTHERWISE

Lintels to match and replace existing concrete lintels where door openings are to be made wider



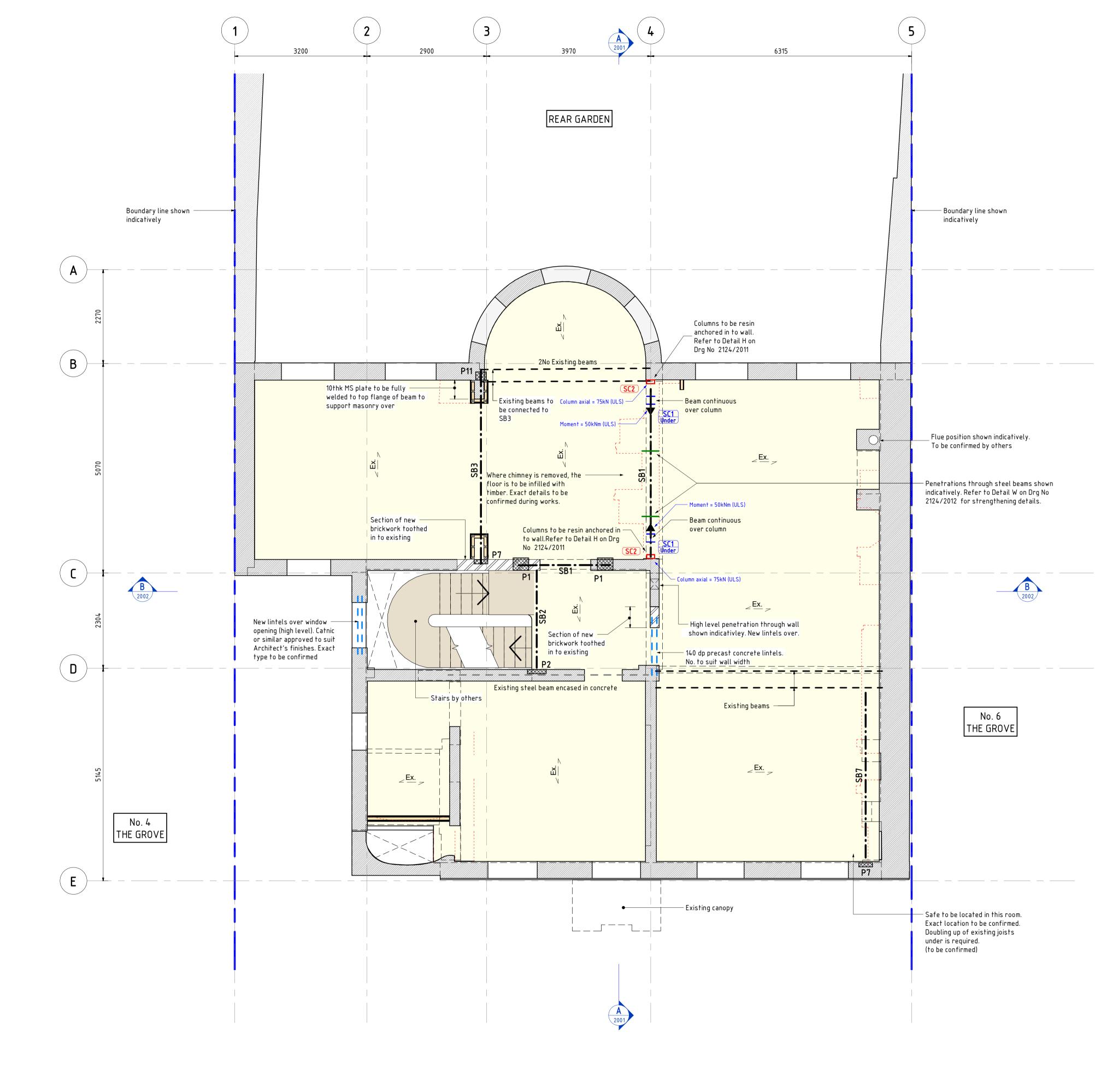
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colu	umn should be 100mm wide @ A1 or 50mm wide @ A3.		
Legend :			
	- Existing structure.		
	- Structure under.		
	- Reinforced concrete section.		
	- Reinforced concrete surface.		
۹	- Mass concrete.		
$\times$	- Blockwork.		
" <i>        </i>	- Brickwork.		
	<ul> <li>– Timber stud wall.</li> <li>– Moment frame connection.</li> </ul>		
<b>—X—</b>	<ul> <li>Denotes crank in beam.</li> </ul>		
	– Double-upjoists. – Demolition lines.		
	- Bemothon times.		
	IRK COLUMNS	-	
SC1	UC203x203x46	-	
SC2	RHS200x100x10		
STEELWO	RK BEAMS		
SB1 SB2	UC203x203x46 UC152x152x37	_	
SB3	UB203x102x23	-	
SB5 SB6	SB5         UC254x254x73           SB6         UC203x203x60		
SB7	UB203x133x30	_	
		_	
P1 P2	300 lg, 150 dp. (width to suit wall) MC padstone. 450 lg, 100 wd, 225 dp MC padstone.	-	
P3 P7	560 lg, 100 wd, 300 dp MC padstone. 330 lg, 100 wd, 225 dp MC padstone.	_	
P8 P9	560 lg, 350 dp, width to match wall. MC padstone. 250 lg, 330 wd, 225 dp MC padstone.	_	
P10	1000 lg, 100 wd, 500 dp MC padstone.	_	
P11	250 lg, 200 wd. 225 dp MC padstone		
FLOOR LE	EGEND		
Ex.	Denotes existing floor joist span (all tbc. following full strip out).		
Ex.Roof	Pitched roof assumed to be formed from timber	-	
	with hollow clay pot floor forming 2nd floor ceiling. 200 x 50 C24 timber joists @ 400 c/c. with 25mm	-	
<u></u>	ply glued & screwed over.		
		ļ	
Status	TENDER ISSUE		
T5 14.09.2	22 JFJ TG Issued for Tender		
T4 11.04.2	22 JFJ TG Issued for Tender	_	
T3 22.02.2 T2 06.12.2		_	
12 11.11.2	21 ET TG Issued for Information	_	
T1 14.07.2 I1 27.05.2			
Rev Date			
Project			
	GROVE, HIGHGATE		
-	/	J	
-	,,		
-	//		
THE C	GROUND FLOOR PLAN		
THE C			
UPPER (	GROUND FLOOR PLAN		
THE C	GROUND FLOOR PLAN		
UPPER (	GROUND FLOOR PLAN o. 2124 / 1001 Rev T5		
THE C	GROUND FLOOR PLAN o. 2124 / 1001 Rev T5 1 1:50 Scale @ A3 1:100		
THE C UPPER ( Drawing No Scale @ A1 Drawn	GROUND FLOOR PLAN o. 2124 / 1001 Rev T5 1 1:50 Scale @ A3 1:100 ET Engineer TG		
THE C UPPER ( Drawing No Scale @ A1 Drawn	GROUND FLOOR PLAN o. 2124 / 1001 Rev T5 1 1:50 Scale @ A3 1:100		

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Structural Designers

## ALL STEEL TO STEEL CONNECTIONS TO BE DESIGNED FOR 75kN (ULS) VERTICAL SHEAF UNLESS NOTED OTHERWISE

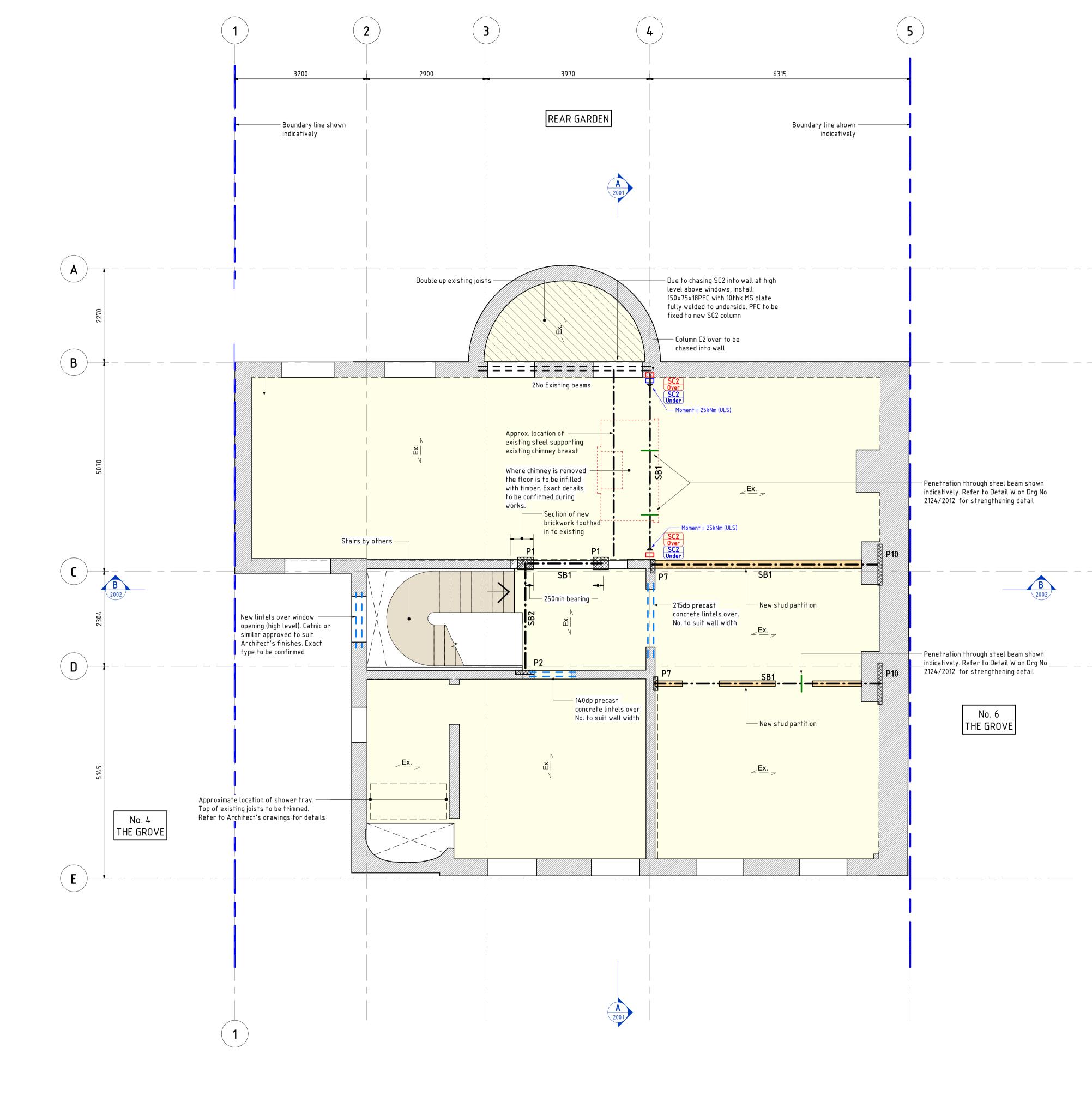
Lintels to match and replace existing concrete lintels where door openings are to be made wider



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	levant Architect's, Engineer's and Specialist's awings and specifications.
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for ha:	o not scale from this drawing in either paper or digin rm. Use written dimensions only. To check drawing s been printed to the intended scale the width of t lumn should be 100mm wide @ A1 or 50mm wide @ A3
Legend :	
	_ Existing structure.
	<ul> <li>Structure under.</li> <li>Reinforced concrete section.</li> </ul>
_	<ul> <li>Reinforced concrete section.</li> <li>Reinforced concrete surface.</li> </ul>
	– Mass concrete.
	– S – Blockwork.
	– – Brickwork.
	– Timber stud wall.
	- Moment frame connection.
<b>X-</b>	🗕 – Denotes crank in beam.
	_ Double-up joists.
L	– Demolition lines.
STEEL WO	ORK COLUMNS
SC1	UC203x203x46
SC2	RHS200x100x10
STEELWC SB1	DRK BEAMS
SB2 SB3	UC152x152x37 UB203x102x23
SB5 SB6	UC254x254x73 UC203x203x60
SB7	UB203x133x30
PADSTON	NE SCHEDULE
P1 P2	300 lg, 150 dp. (width to suit wall) MC padstone 450 lg, 100 wd, 225 dp MC padstone.
P3 P7	560 lg, 100 wd, 225 dp MC padstone. 330 lg, 100 wd, 225 dp MC padstone.
P7 P8 P9	560 lg, 350 dp, width to match wall. MC padstore 250 lg, 330 wd, 225 dp MC padstore.
P10 P11	250 tg, 550 wd, 225 dp Hc padstone.           1000 lg, 100 wd, 500 dp MC padstone.           250 lg, 200 wd. 225 dp MC padstone
FLOOR LI	
Ex.	Denotes existing floor joist span (all tbc. follow
Ex.Roof	<ul> <li>full strip out).</li> <li>Pitched roof assumed to be formed from timber</li> </ul>
	<ul> <li>with hollow clay pot floor forming 2nd floor ceil</li> <li>200 x 50 C24 timber joists @ 400 c/c. with 25mm</li> </ul>
<u></u>	ply glued & screwed over.
Status	TENDER ISSUE
Status T4 14.09. T3 22.02.	.22 JFJ TG Issued for Tender
T4 14.09. T3 22.02. T2 06.12.	.22       JFJ       TG       Issued for Tender         .22       JFJ       TG       Issued for Tender         .21       JFJ       TG       Issued for Tender
T4       14.09.         T3       22.02.         T2       06.12.         I2       11.11.2         T1       14.07.	.22JFJTGIssued for Tender.22JFJTGIssued for Tender.21JFJTGIssued for Tender21ETTGIssued for Information.21ETTGIssued for Tender
T4       14.09.         T3       22.02.         T2       06.12.         I2       11.11.2	.22JFJTGIssued for Tender.22JFJTGIssued for Tender.21JFJTGIssued for Tender21ETTGIssued for Information.21ETTGIssued for Tender.21ETTGIssued for Information.21ETTGIssued for Information.21ETTGIssued for Information
T4       14.09.         T3       22.02.         T2       06.12.         I2       11.11.2         T1       14.07.         I1       27.05.         Rev       Date         Project	.22JFJTGIssued for Tender.22JFJTGIssued for Tender.21JFJTGIssued for Tender21ETTGIssued for Information.21ETTGIssued for Tender.21ETTGIssued for Information.21ETTGIssued for Information.21ETTGIssued for InformationeDrawnEngAmendment
T4       14.09.         T3       22.02.         T2       06.12.         I2       11.11.2         T1       14.07.         I1       27.05.         Rev       Date         Project	.22JFJTGIssued for Tender.22JFJTGIssued for Tender.21JFJTGIssued for Tender21ETTGIssued for Information.21ETTGIssued for Tender.21ETTGIssued for Information.21ETTGIssued for Information.21ETTGIssued for Information
T4 14.09. T3 22.02. T2 06.12. 12 11.11.2 T1 14.07. 11 27.05. Rev Date Project THE (	.22JFJTGIssued for Tender.22JFJTGIssued for Tender.21JFJTGIssued for Tender21ETTGIssued for Information.21ETTGIssued for Tender.21ETTGIssued for Information.21ETTGIssued for Information.21ETTGIssued for InformationeDrawnEngAmendment
T4 14.09. T3 22.02. T2 06.12. 12 11.11.2 T1 14.07. 11 27.05. Rev Date Project THE (	22     JFJ     TG     Issued for Tender       22     JFJ     TG     Issued for Tender       21     JFJ     TG     Issued for Information       21     ET     TG     Issued for Information       e     Drawn     Eng     Amendment
T4 14.09. T3 22.02. T2 06.12. 12 11.11.2 T1 14.07. 11 27.05. Rev Date Project THE ( FIRST F	22 JFJ TG Issued for Tender 22 JFJ TG Issued for Tender 21 JFJ TG Issued for Tender 21 ET TG Issued for Information 21 ET TG Issued for Information e Drawn Eng Amendment GROVE, HIGHGATE FLOOR PLAN
T4       14.09.         T3       22.02.         T2       06.12.         12       11.11.2         T1       14.07.         I1       27.05.         Rev       Date         Project       THE (         FIRST F         Drawing N	22 JFJ TG Issued for Tender 22 JFJ TG Issued for Tender 21 JFJ TG Issued for Tender 21 ET TG Issued for Information 21 ET TG Issued for Information e Drawn Eng Amendment GROVE, HIGHGATE FLOOR PLAN
T4       14.09.         T3       22.02.         T2       06.12.         12       11.11.2         T1       14.07.         I1       27.05.         Rev       Date         Project       THE (         FIRST F         Drawing N         Scale @ A         Drawn	22       JFJ       TG       Issued for Tender         .22       JFJ       TG       Issued for Tender         .21       JFJ       TG       Issued for Tender         .21       ET       TG       Issued for Tender         .21       ET       TG       Issued for Information         e       Drawn       Eng       Amendment         GROVE, HIGHGATE       FLOOR PLAN       Image: Second

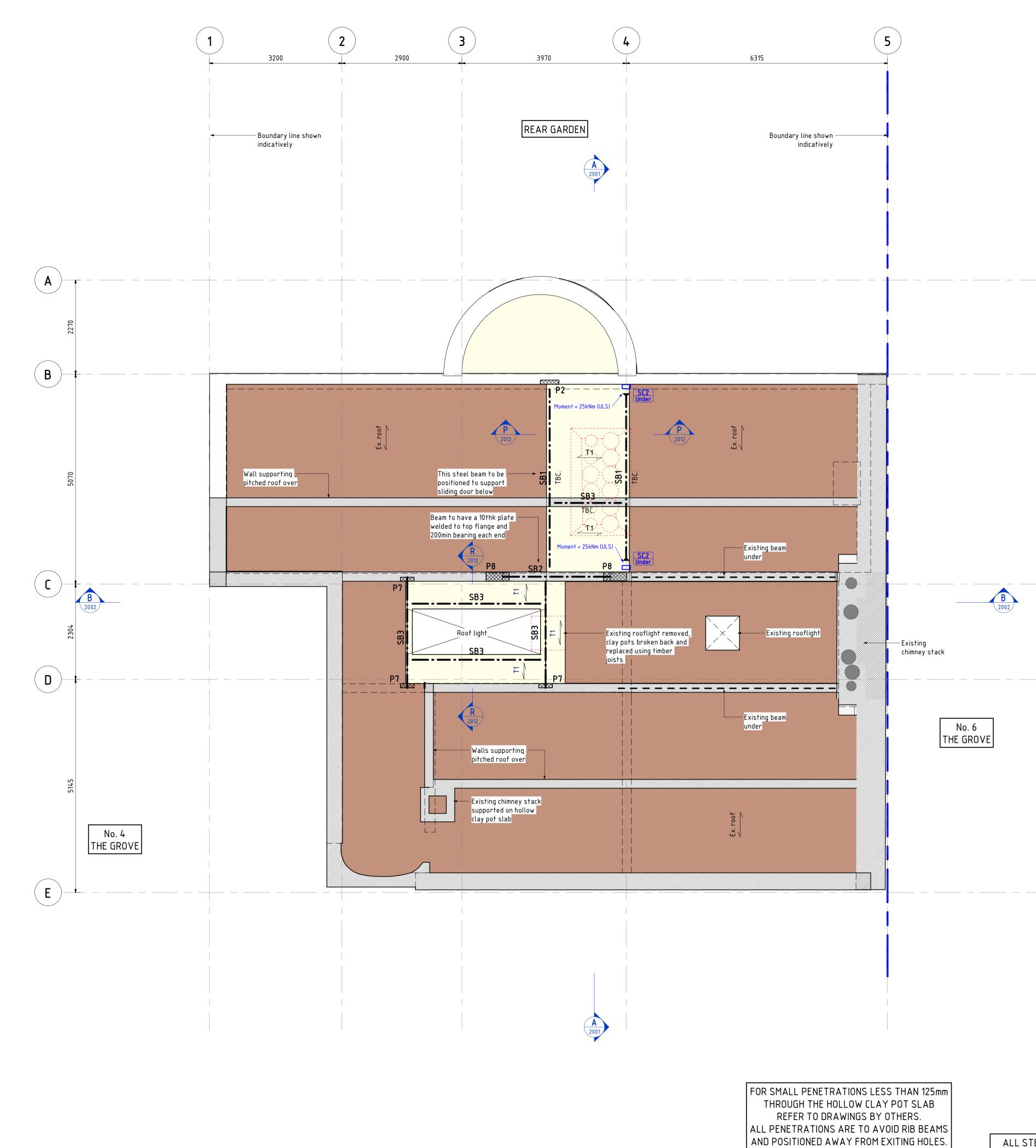
## ALL STEEL TO STEEL CONNECTIONS TO BE DESIGNED FOR 75kN (ULS) VERTICAL SHEAR UNLESS NOTED OTHERWISE

Lintels to match and replace existing concrete lintels where door openings are to be made wider



Notes :			
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Legend :			
	- Existing struct	иге.	
	- Structure unde		
	- Reinforced con		
	- Reinforced con		
	– Mass concrete.		
	- Blockwork.		
	– Brickwork.		
	– Timber stud wa		
	<ul> <li>Moment frame</li> <li>Denotes crank</li> </ul>		
	– Double-upjoist		
	- Demolition lines		
STEEL WO	RK COLUMNS		
SC1	l	JC203x203x46	
SC2		RHS200x100x10	
STEELWO SB1	RK BEAMS ເ	• •	
SB2 SB3		UC152x152x37	
SB3         UB203x102x23           SB5         UC254x254x73           SB6         UC203x203x60			
SB7		UB203x133x30	
	E SCHEDULE		3
P1	300 lg, 150 dp. (w	idth to suit wall) MC padsto	ne.
P2 P3		wd, 225 dp MC padstone. wd, 300 dp MC padstone.	
P7 P8		wd, 225 dp MC padstone. Ith to match wall.  MC padst	опе.
P9 P10		wd, 225 dp MC padstone. wd, 500 dp MC padstone.	
P11	250 lg, 200	wd. 225 dp MC padstone	
FLOOR LE	GEND		
Ex.	Denotes existing f full strip out).	loor joist span (all tbc. follo	owing
Ex.Roof		ned to be formed from timbe t floor forming 2nd floor ce	
T1       200 x 50 C24 timber joists @ 400 c/c. with 25mm         ply glued & screwed over.			
Status	TENDE	RISSUE	
Status T4 14.09.2 T3 22.02.2		ssued for Tender ssued for Tender	
T4     14.09.2       T3     22.02.2       T2     06.12.2	22 JFJ TG Is 21 JFJ TG Is	ssued for Tender ssued for Tender	
T4     14.09.2       T3     22.02.2       T2     06.12.2       I2     11.11.2       T1     14.07.2	22 JFJ TG 19 21 JFJ TG 19 1 ET TG 19 21 ET TG 19	ssued for Tender ssued for Tender ssued for Information ssued for Tender	
T4     14.09.2       T3     22.02.2       T2     06.12.2       I2     11.11.2	22 JFJ TG 19 21 JFJ TG 19 21 ET TG 19 21 ET TG 19 21 ET TG 19	ssued for Tender ssued for Tender ssued for Information	
T4 14.09.2 T3 22.02.2 T2 06.12.2 12 11.11.2 T1 14.07.2 I1 27.05.2 Rev Date Project	22 JFJ TG 19 21 JFJ TG 19 21 ET TG 19 21 ET TG 19 21 ET TG 19	ssued for Tender ssued for Tender ssued for Information ssued for Tender ssued for Information	
T4 14.09.2 T3 22.02.2 T2 06.12.2 12 11.11.2 T1 14.07.2 11 27.05.2 Rev Date Project THE C	22 JFJ TG 19 21 JFJ TG 19 21 ET TG 19	ssued for Tender ssued for Tender ssued for Information ssued for Tender ssued for Information	
T4 14.09.2 T3 22.02.2 T2 06.12.2 12 11.11.2 T1 14.07.2 11 27.05.2 Rev Date Project THE C	22       JFJ       TG       18         21       JFJ       TG       18         21       ET       TG       19         30       FLOOR       PLAN       19	ssued for Tender ssued for Tender ssued for Information ssued for Information Amendment HGATE	Γ4
T4 14.09.2 T3 22.02.2 T2 06.12.2 12 11.11.2 T1 14.07.2 11 27.05.2 Rev Date Project THE C SECONE	22 JFJ TG 19 21 JFJ TG 19 21 ET TG 19 21 ET TG 19 21 ET TG 19 21 ET TG 19 5 ROVE, HIG 5 ROVE, HIG	ssued for Tender ssued for Tender ssued for Information ssued for Information Amendment HGATE	Γ4.
T4 14.09.2 T3 22.02.2 T2 06.12.2 12 11.11.2 T1 14.07.2 I1 27.05.2 Rev Date Project THE C SECONE	22 JFJ TG 19 21 JFJ TG 19 21 ET TG 19 21 ET TG 19 21 ET TG 19 21 ET TG 19 5 ROVE, HIG 5 ROVE, HIG	ssued for Tender ssued for Information ssued for Information ssued for Information Amendment HGATE Rev Scale @ A3 1:	
T4 14.09.2 T3 22.02.3 T2 06.12.3 12 11.112 T1 14.07.3 I1 27.05.3 Rev Date Project THE C SECONE Drawing No Scale @ A	22       JFJ       TG       18         21       JFJ       TG       18         21       ET       TG       18         3       FLOOR PLAN       AN         0       FLOOR PLAN       1021         1       1:50       1:50	ssued for Tender ssued for Information ssued for Information ssued for Information Amendment HGATE Rev Scale @ A3 1: Engineer	100

ALL STEEL TO STEEL CONNECTIONS TO BE DESIGNED FOR 75kN (ULS) VERTICAL SHEAR UNLESS NOTED OTHERWISE

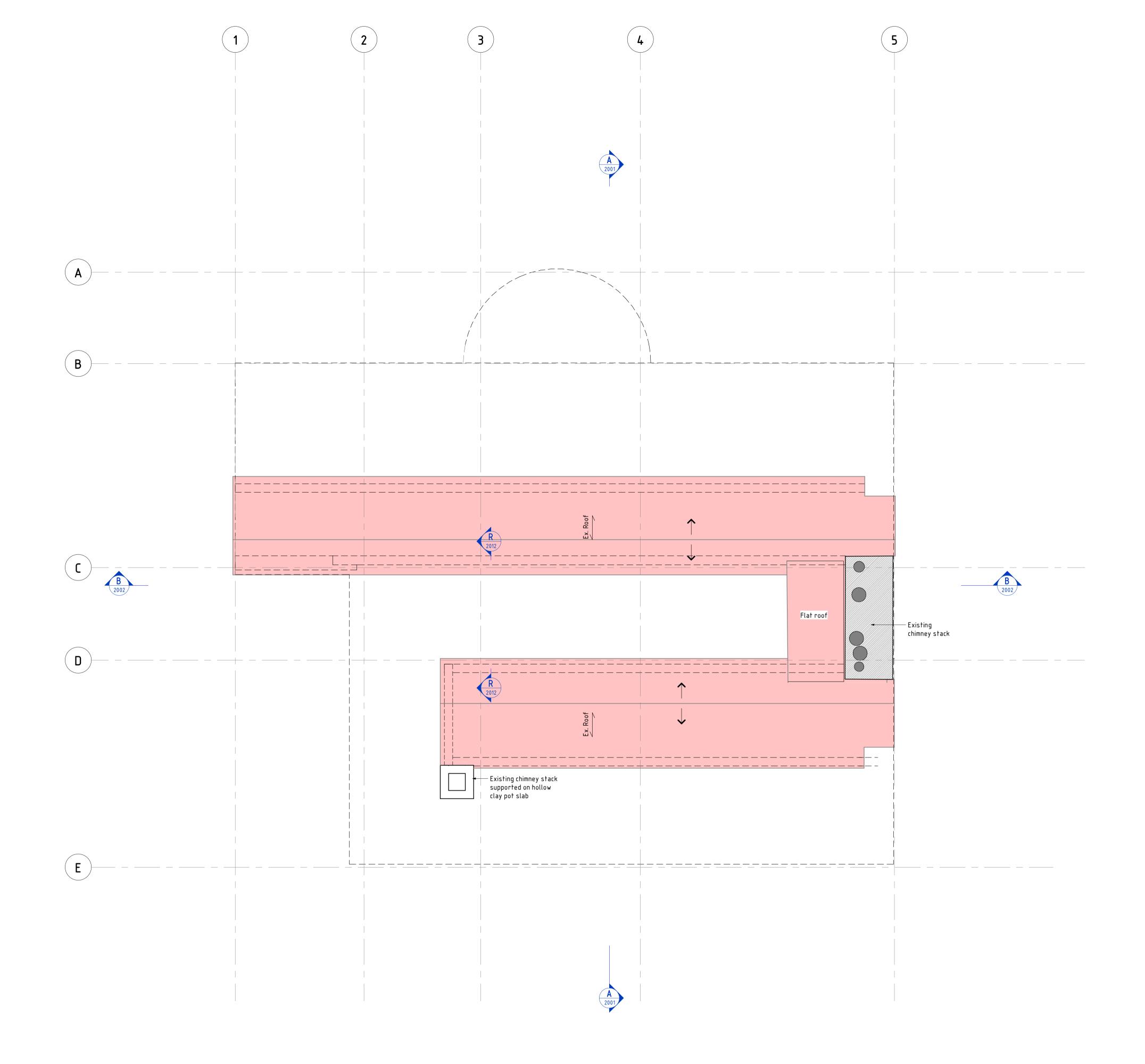


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INTEGRITY OF THE SLAB IS NOT COMPROMISED

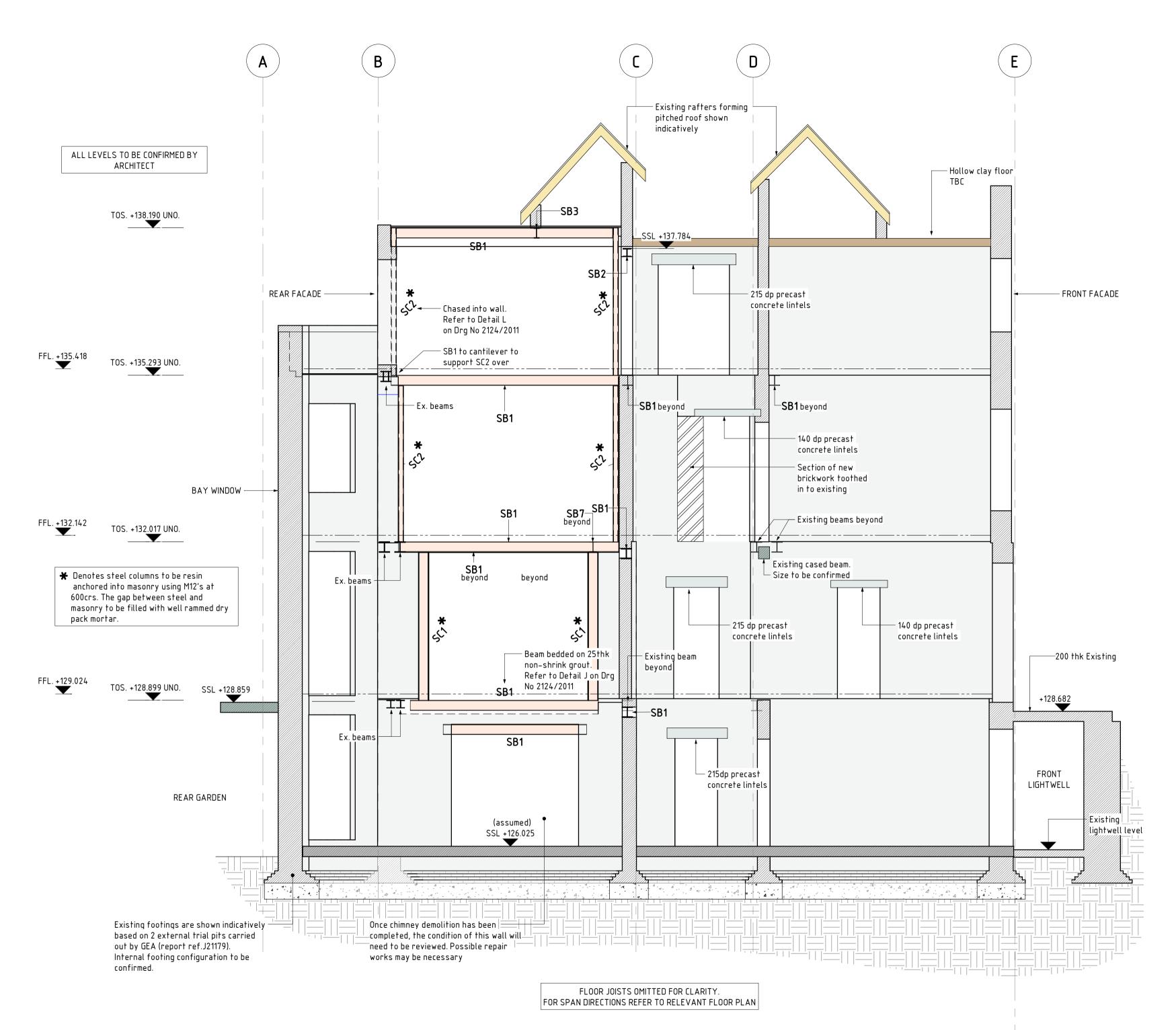
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has	been printed to	the intended scale th 0mm wide @ A1 or 50mi	e width of the		
Legend :					
	- Existing st				
	- Structure				
_		l concrete section. l concrete surface.			
d	– Mass concr				
	– Blockwork				
	– Brickwork.				
	– Timberstu	ıd wall.			
	– Momentfra	ame connection.			
<b>—————</b>		rank in beam.			
Double-up joists. Demolition lines.					
L	– Hollow clay	v not slah			
STEELWC SC1	IRK COLUMNS	UC203x203x46			
SC2		RHS200x100x10			
	RK BEAMS		••••		
SB1 SB2		UC203x203x46 UC152x152x37			
SB3 SB5 SB6	UB203x102x23 UC254x254x73 UC203x203x60				
SB7		UB203x133x30			
PARSTON	IE SCHEDULE				
P1 P2	300 lg, 150 d	p. (width to suit wall) I	MC padstone.		
P2 P3 P7	560 lg,	450 lg, 100 wd, 225 dp MC padstone. 560 lg, 100 wd, 300 dp MC padstone. 330 lg, 100 wd, 225 dp MC padstone.			
P8 P9	560 lg, 350 dp	560 lg, 350 dp, width to match wall. MC padstone. 250 lg, 330 wd, 225 dp MC padstone.			
P10 P11	1000 lg	, 200 wd, 500 dp MC pa , 200 wd. 225 dp MC pa	dstone.		
FLOOR LE					
	Denotes existi	ing floor joist span (al	l tbc. following		
LX.	full strip out).				
Ex.	with hollow clay pot floor forming 2nd floor ceiling.				
Ex.Roof		ay pot floor forming 2r	-		
		ay pot floor forming 21 imber joists @ 400 c/c	-		
Ex.Roof	200 x 50 C24 †	ay pot floor forming 21 imber joists @ 400 c/c	-		
Ex.Roof	200 x 50 C24 † ply glued & sci	ay pot floor forming 21 imber joists @ 400 c/c rewed over.	-		
Ex.Roof	200 x 50 C24 t ply glued & scr TENC	ay pot floor forming 21 imber joists @ 400 c/c	-		
Ex.Roof T1 Status T4 14.09. T3 22.02.	200 x 50 C24 t ply glued & scr TENE 22 ET TG 22 ET TG	ay pot floor forming 21 imber joists @ 400 c/c rewed over. DER ISSUE Issued for Tender Issued for Tender	-		
Ex.Roof T1 T1 Status T4 14.09. T3 22.02. T2 06.12. 12 11.11.2	200 x 50 C24 t ply glued & scr 22 ET TG 22 ET TG 21 ET TG 21 ET TG	ay pot floor forming 21 imber joists @ 400 c/c rewed over. DER ISSUE Issued for Tender Issued for Tender Issued for Tender Issued for Informa	. with 25mm		
Ex.Roof T1 T1 T4 14.09. T3 22.02. T2 06.12.	200 x 50 C24 t ply glued & scr 22 ET TG 22 ET TG 21 ET TG 21 ET TG 21 ET TG 21 ET TG	ay pot floor forming 21 imber joists @ 400 c/c rewed over. DER ISSUE Issued for Tender Issued for Tender Issued for Tender	:. with 25mm		
Ex.Roof T1 T1 Status T4 14.09. T3 22.02. T2 06.12. 12 11.12 T1 14.07. 11 27.05. Rev Date	200 x 50 C24 t ply glued & scr 22 ET TG 22 ET TG 21 ET TG 21 ET TG 21 ET TG 21 ET TG 21 ET TG	ay pot floor forming 21 imber joists @ 400 c/c rewed over. DER ISSUE Issued for Tender Issued for Tender Issued for Tender Issued for Informa Issued for Tender Issued for Informa	:. with 25mm		
Ex.Roof T1 T1 T1 T4 14.09. T3 22.02. T2 06.12. 12 11.11.2 T1 14.07. 11 27.05. Rev Date Project	200 x 50 C24 t ply glued & scr 22 ET TG 22 ET TG 21 ET TG	ay pot floor forming 21 imber joists @ 400 c/c rewed over. DER ISSUE Issued for Tender Issued for Tender Issued for Tender Issued for Informa Issued for Tender Issued for Informa	:. with 25mm		
Ex.Roof T1 T1 Status T4 14.09. T3 22.02. T2 06.12. 12 11.12 T1 14.07. 11 27.05. Rev Date Project THE (	200 x 50 C24 t ply glued & scr 22 ET TG 22 ET TG 21 ET TG	ay pot floor forming 2 imber joists @ 400 c/c rewed over. DER ISSUE Issued for Tender Issued for Tender Issued for Tender Issued for Informa Issued for Informa Amendment	:. with 25mm		
Ex.Roof T1 T1 Status T4 14.09. T3 22.02. T2 06.12. 12 11.12 T1 14.07. 11 27.05. Rev Date Project THE (	200 x 50 C24 t ply glued & scr 22 ET TG 22 ET TG 21 ET TG 20 CF PLAN	ay pot floor forming 21 imber joists @ 400 c/d rewed over. DER ISSUE Issued for Tender Issued for Tender Issued for Tender Issued for Informa Issued for Informa Amendment HIGHGATE	:. with 25mm		
Ex.Roof T1 T1 Status T4 14.09. T3 22.02. T2 06.12. 12 11.12 T1 14.07. 11 27.05. Rev Date Project THE ( FLAT R	200 x 50 C24 t ply glued & scr 22 ET TG 22 ET TG 21 ET TG 20 rawn Eng 3ROVE, H 00F PLAN	ay pot floor forming 20 imber joists @ 400 c/o rewed over. DER ISSUE Issued for Tender Issued for Tender Issued for Tender Issued for Informa Issued for Informa Amendment IGHGATE	ation		
Ex.Roof T1 T1 Status T4 14.09. T3 22.02. T2 06.12. 12 11.11.2 T1 14.07. 11 27.05. Rev Date Project THE ( FLAT R Drawing N	200 x 50 C24 t ply glued & scr 22 ET TG 22 ET TG 21 ET TG 20 rawn Eng 3ROVE, H 00F PLAN	ay pot floor forming 20 imber joists @ 400 c/o rewed over. DER ISSUE Issued for Tender Issued for Tender Issued for Informa Issued for Informa Amendment IGHGATE D31 Rev Scale @ A3	tion T4		
Ex.Roof T1 T1 Status T4 14.09. T3 22.02. T2 06.12. 12 11.12 T1 14.07. 11 27.05. Rev Date Project THE ( FLAT R Drawing N Scale @ A	200 x 50 C24 t ply glued & scr TENE 22 ET TG 21 ET TG 20 x 50 C24 t TG 22 ET TG 21 E	ay pot floor forming 20 imber joists @ 400 c/o rewed over. DER ISSUE Issued for Tender Issued for Tender Issued for Informa Issued for Informa Amendment IGHGATE D31 Rev Scale @ A3	tion T 4 1:100		
Ex.Roof T1 T1 T1 T4 14.09. T3 22.02. T2 06.12. 12 11.12 T1 14.07. 12 11.12 T1 14.07. 1 27.05. Rev Date Project THE ( THE ( Drawing N Scale @ A Drawn	200 x 50 C24 t ply glued & scr TENE 22 ET TG 21 ET TG 20 x 50 C24 t TG 22 ET TG 21 E	ay pot floor forming 20 imber joists @ 400 c/o rewed over. DER ISSUE Issued for Tender Issued for Tender Issued for Informa Issued for Informa Issued for Informa Amendment IGHGATE	tion T 4 1:100 T G		

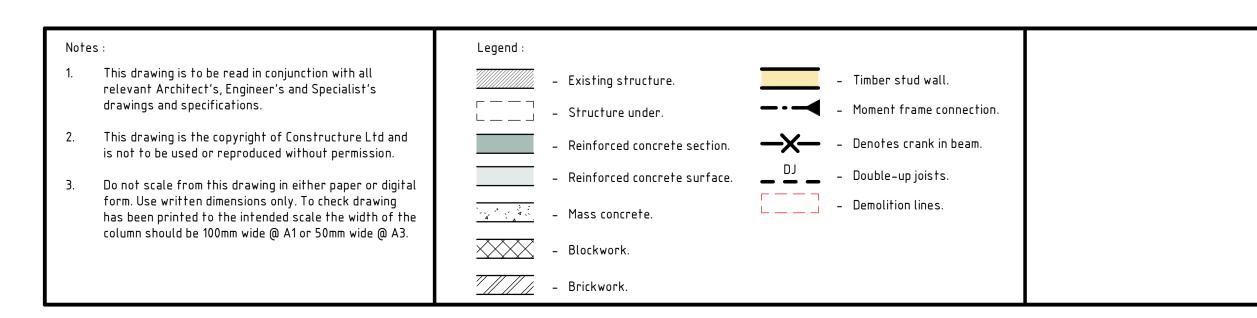
## ALL STEEL TO STEEL CONNECTIONS TO BE DESIGNED FOR 75kN (ULS) VERTICAL SHEAR UNLESS NOTED OTHERWISE



Scale @ A1 1:50 Scale @ A3 1	
Inside aving some specifications.         2.       This drawing is the copyright of Constructure LIA is is not to be used or reproduced without permission of form. Use written dimensions only. To check drawing is helmed page or different dimensions only. To check drawing is helmed page of different is structure.         Image: Structure under. <ul> <li>Reinforced concrete surface.</li> <li>Reinforced for Tender</li> <li>Rev</li></ul>	
Status TENDERISSUE     Status TENDERISSUE     1 00.00 2124 / 1032     1 06.12 21     2 1     2 1     2 10.121     3. 00.00 5 rate from his drawing in either pager or fill     2 2        2 2        2 2        2 2           2 2 <b>Status TENDERISEUSE Status TENDERISEUSE Status Status TENDERISEUSE Status St</b>	
Status TENDERISSUE   1 0.61221   2 1.602.2   3 Frickwork.     2 2   3 5.710.4 Ure under.     3 7.710.4 Ure under.   4 7.710.4 Ure under.   5 7.710.4 Ure under.   5 7.710.4 Ure under.   6 7.710.4 Ure under.   7 7	
Legend : <ul> <li>Structure under.</li> <li>Structure under.</li> <li>Reinforced concrete section.</li> <li>Reinforced concrete surface.</li> </ul> <ul> <li>Block work.</li> </ul> <ul> <li>Block work.</li> </ul> <ul> <li>Block work.</li> </ul> Status    Status     T2     14.09.22     JFJ     10     10     10     10     10     10     11     10     12      14.09.22     JFJ     10     10     10     10     10     11      10      12      14.09.22      12      13      14.09.22      14.09.22      150      16     17      18     19      10     10     10     10     12     13     14     16     17     18     19     10 <	g
Status FENDER ISSUE   Image: Status Image: Status   Image: Status Image: Status   Status Image: Status   Image: Status Image: Status <t< td=""><td></td></t<>	
Structure under.   Preinforced concrete section.   Preinforced concrete surface.   Project   THE GROVE, HIGHGATE	
Preinforced concrete section.         Preinforced concrete surface.         Preinforced concrete.         Project         THE GROVE, HIGHGATE         PITCHED ROOF PLAN         Drawing No.       2124 / 1032         Rev       Scale @ A1       1.50         Scale @ A1       1.50	
Status       TENDER ISSUE         1       14.09 22       JFJ       TG         1       14.09 22       JFJ       TG       Issued for Tender         1       06.12.11       JFJ       TG       Issued for Tender         1       06.12.21       JFJ       TG       Issued for Tender         Rev       Drawing No.       2124 / 1032       Rev       Scale @ A1       1.50       Scale @ A3       1	
Status TENDER ISSUE 1 4.09.22 JFJ TG Issued for Tender 1 06.12.21 JFJ TG Issued for Tender 1 06.12.21 JFJ TG Issued for Tender Rev Date Drawn Eng Amendment Project THE GROVE, HIGHGATE PITCHED ROOF PLAN Drawing No. 212.4 / 1032 Rev Scale @ A1 1.50 Scale @ A3 1	
Status       TENDER ISSUE         12       14.09.22       JFJ       TG       Issued for Tender         12       16.12.1       JFJ       TG       Issued for Tender         1       06.12.1       JFJ       TG       Issued for Tender         Project       THE GROVE, HIGHGATE       Project       THE GROVE, HIGHGATE         PITCHED ROOF PLAN       Scale @ A1       1.50       Scale @ A3       1	
Status       TENDER ISSUE         12       14.09.22       JF.J       TG       Issued for Tender         12       14.09.22       JF.J       TG       Issued for Tender         11       06.12.21       JF.J       TG       Issued for Tender         Rev       Date       Drawn       Eng       Amendment         Project       THE GROVE, HIGHGATE       PITCHED ROOF PLAN       Rev       Table Scale @ A3       1	
TENDER ISSUE         T2       14.09.22       JFJ       TG       Issued for Tender         T1       06.12.21       JFJ       TG       Issued for Tender         Rev       Date       Drawn       Eng       Amendment         Project       THE GROVE, HIGHGATE         PITCHED ROOF PLAN         Drawing No.       2124 / 1032       Rev         Scale @ A1       1:50       Scale @ A3       1	
T2       14.09.22       JFJ       TG       Issued for Tender         T1       06.12.21       JFJ       TG       Issued for Tender         Rev       Date       Drawn       Eng       Amendment         Project       THE GROVE, HIGHGATE         PITCHED ROOF PLAN         Drawing No.       2124 / 1032       Rev         Scale @ A1       1:50       Scale @ A3       1	
T1 06.12.21 JFJ TG Issued for Tender   Rev Date Drawn Eng Amendment   Project   THE GROVE, HIGHGATE   PITCHED ROOF PLAN   Drawing No. 2124 / 1032 Rev   Scale @ A1 1:50 Scale @ A3 1	
Project THE GROVE, HIGHGATE PITCHED ROOF PLAN Drawing No. 2124 / 1032 Rev Scale @ A1 1:50 Scale @ A3 1	
THE GROVE, HIGHGATE   PITCHED ROOF PLAN   Drawing No. 2124 / 1032   Rev   Scale @ A1   1:50   Scale @ A3	
Drawing No. 2124 / 1032 Rev Scale @ A1 1:50 Scale @ A3 1	
Scale @ A1 1:50 Scale @ A3 1	
	T2
Drawn ET Engineer	:100
	TG
constructure	
constructure.co.uk office@constructure.co. Structural Designers 020 7403 7989	

EXISTING PITCHED ROOF TO REMAIN AS EXISTING





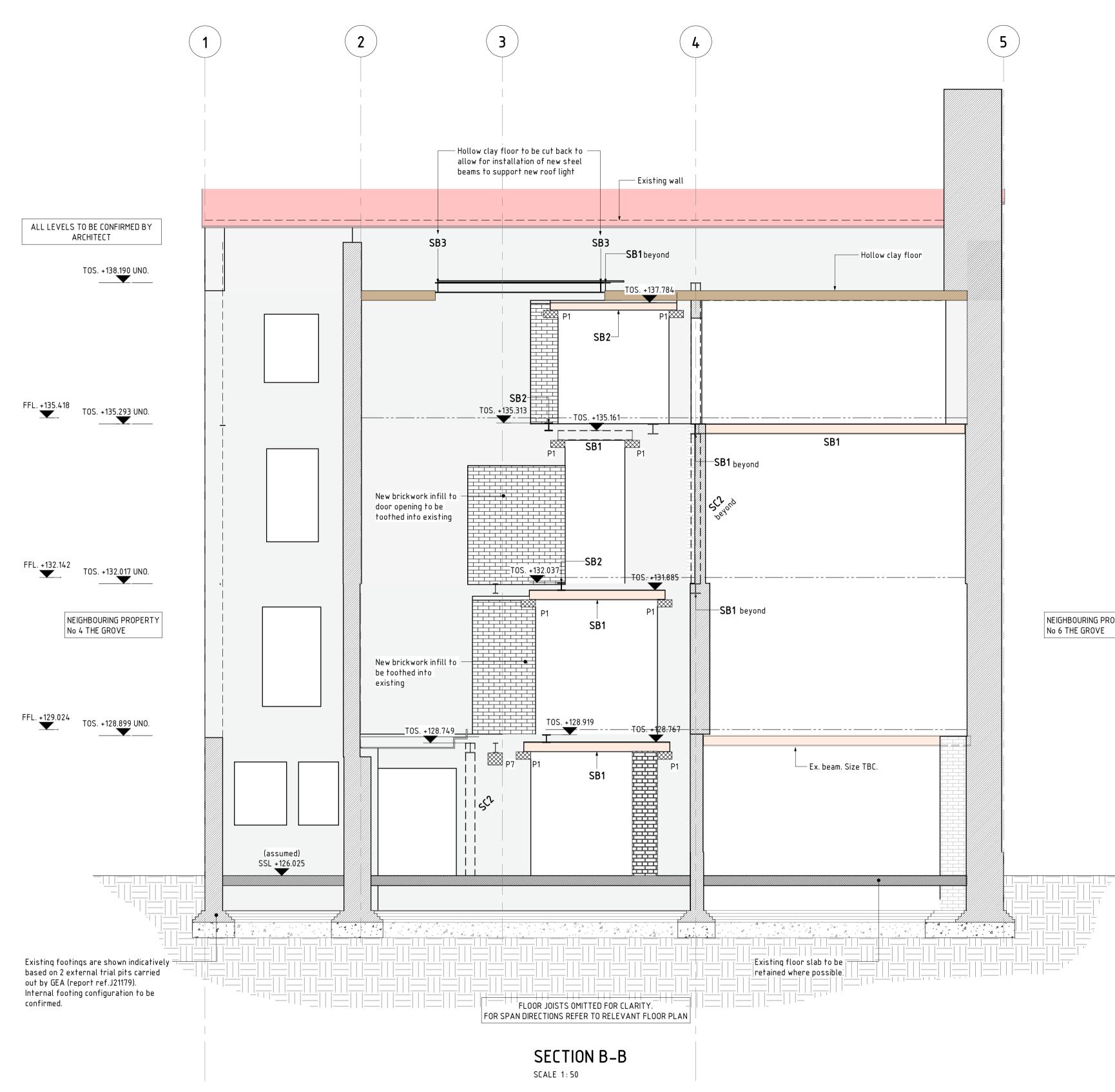


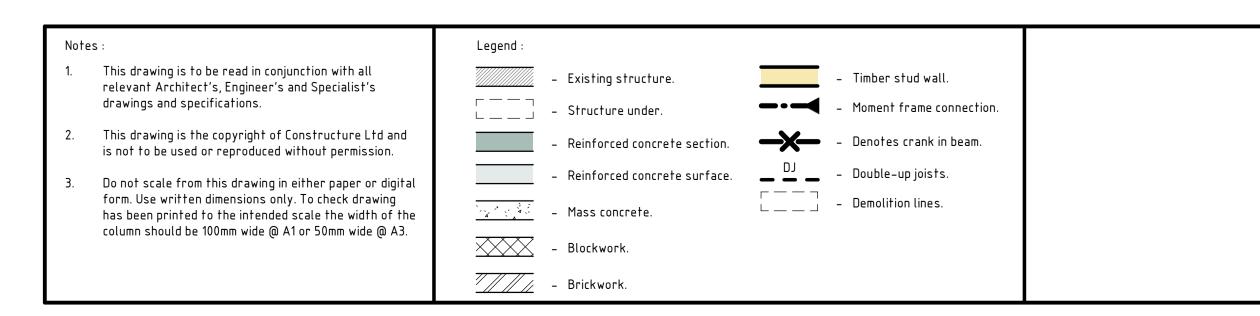
					Proj TH
Sta	itus	TE	END	ER ISSUE	
T4	14.09.22	ΕT	TG	lssued for Tender	
Т3	22.02.22	ΕT	TG	lssued for Tender	SH
Τ2	06.12.21	ΕT	TG	lssued for Tender	511
11	11.11.21	ΕT	TG	lssued for Information	
T1	08.09.21	ET	TG	lssued for Tender	
Rev	Date	Drawn	Eng	Amendment	

PADSTON	E SCHEDULE
P1	300 lg, 150 dp. (width to suit wall) MC padstone.
P2	450 lg, 100 wd, 225 dp MC padstone.
P3	560 lg, 100 wd, 300 dp MC padstone.
P7	330 lg, 100 wd, 225 dp MC padstone.
P8	560 lg, 350 dp, width to match wall. MC padstone.
P9	250 lg, 330 wd, 225 dp MC padstone.
P10	1000 lg, 100 wd, 500 dp MC padstone.
P11	250 lg, 200 wd. 225 dp MC padstone

STEELWORK COLUMNS				
SC1	UC203x203x46			
SC2	RHS200x100x10			
STEELWO	RK BEAMS			
SB1	UC203x203x46			
SB2	UC152x152x37			
SB3	UB203x102x23			
SB5	UC254x254x73			
SB6	UC203x203x60			
SB7	UB203x133x30			

ROSS SECTIONS SHEET 1	constructure			
			constructure.co.uk	



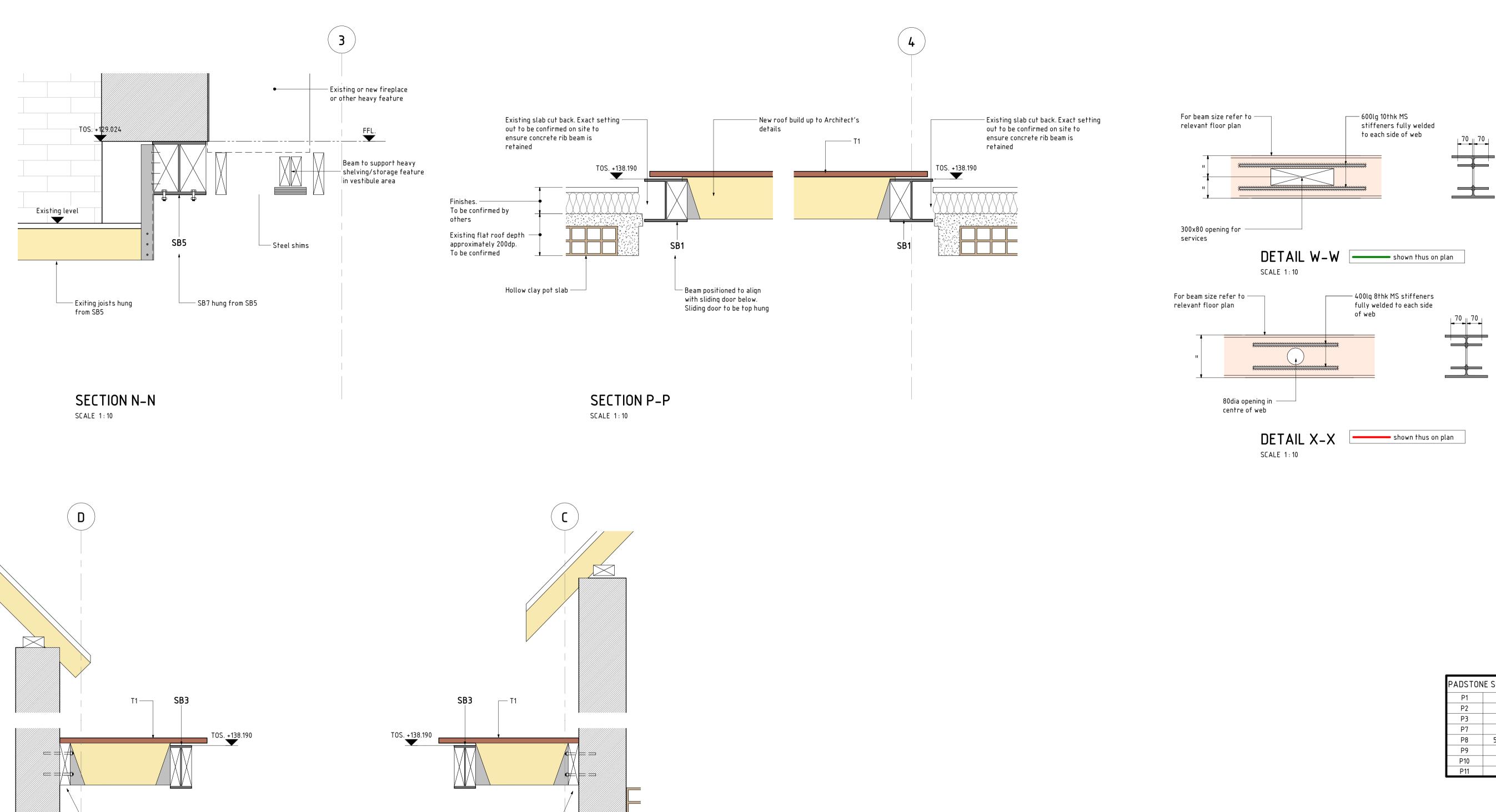


					Projec THE
Sta	tus	TI	END	ER ISSUE	
Τ4	14.09.22	ΕT	TG	lssued for Tender	CROS
Т3	22.02.22	ΕT	TG	Issued for Tender	SHEE
T2	06.12.21	ΕT	TG	Issued for Tender	JILL
11	11.11.21	ΕT	TG	Issued for Information	
T1	08.09.21	ΕT	TG	Issued for Tender	
Rev	Date	Drawn	Eng	Amendment	

PADSTONE SCHEDULE				
P1	300 lg, 150 dp. (width to suit wall) MC padstone.			
P2	450 lg, 100 wd, 225 dp MC padstone.			
P3	560 lg, 100 wd, 300 dp MC padstone.			
P7	330 lg, 100 wd, 225 dp MC padstone.			
P8	560 lg, 350 dp, width to match wall. MC padstone.			
P9	250 lg, 330 wd, 225 dp MC padstone.			
P10	1000 lg, 100 wd, 500 dp MC padstone.			
P11	250 lg, 200 wd. 225 dp MC padstone			

STEELWORK COLUMNS				
SC1	UC203x203x46			
SC2	RHS200x100x10			
STEELWO	RK BEAMS			
SB1	UC203x203x46			
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SB3	UB203x102x23			
SB5	UC254x254x73			
SB6	UC203x203x60			
SB7	UB203x133x30			

	Structural Do	esigners	constructure.co office@constru 020 7403 7989	
CROSS SECTIONS SHEET 2	constructure			
	Drawn	ET	Engineer	TG
THE GROVE, HIGHGATE	Scale @ A1	1:50	Scale @ A3	1:!00
Project THE GROVE, HIGHGATE	Drawing No.	2124 / 2002	Rev	Τ4



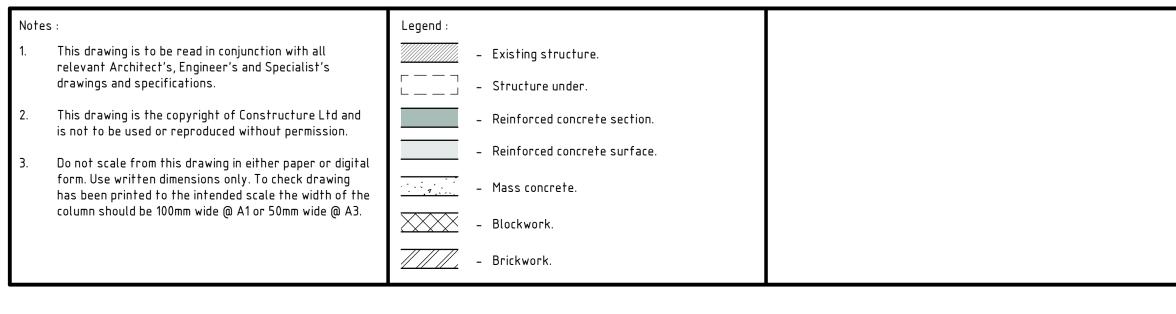
Timber wall plate fixed to masonry using 2No M10 'Hilti' resin anchors at 400crs with 80mm min embedment.



— Timber wall plate fixed to masonry

using 2No M10 'Hilti' resin anchors at

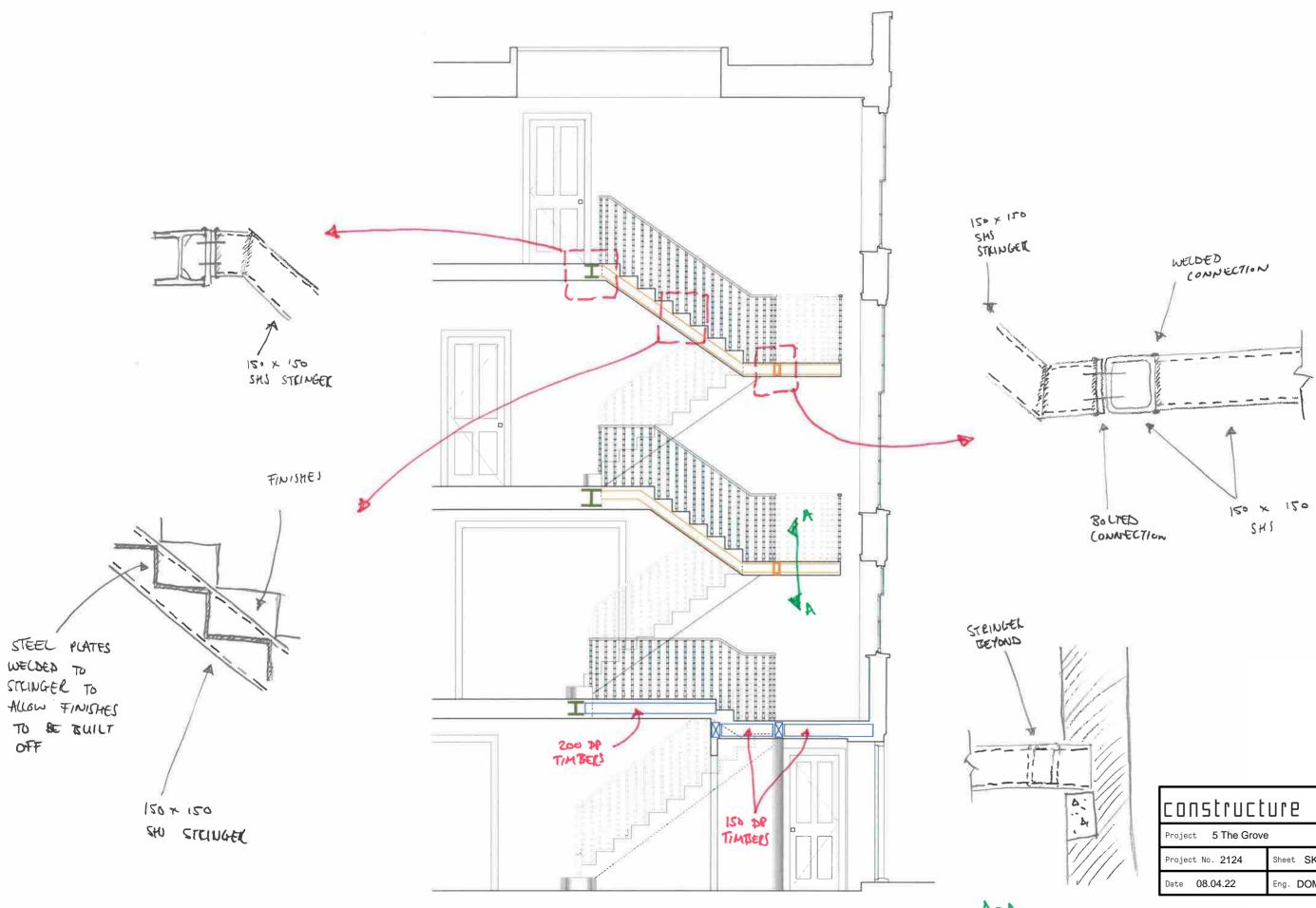
400crs with 80mm min embedment.



	Project THE GROVE, HIGHGATE	Drawing No. 2124 / 2012	<sub>Rev</sub> T4
		Scale @ A1 1:50	Scale @ A3 1:100
Status TENDER ISSUE		Drawn ET	Engineer TG
T414.09.22JFJTGIssued for TenderT311.04.21JFJTGIssued for Tender	DETAILS AND SECTIONS SHEET 2 CONSTRUCT		ture
T222.02.22JFJTGIssued for TenderT106.12.21ETTGIssued for TenderRevDateDrawnEngAmendment		Structural Designers	constructure.co.uk office@constructure.co.uk 020 7403 7989

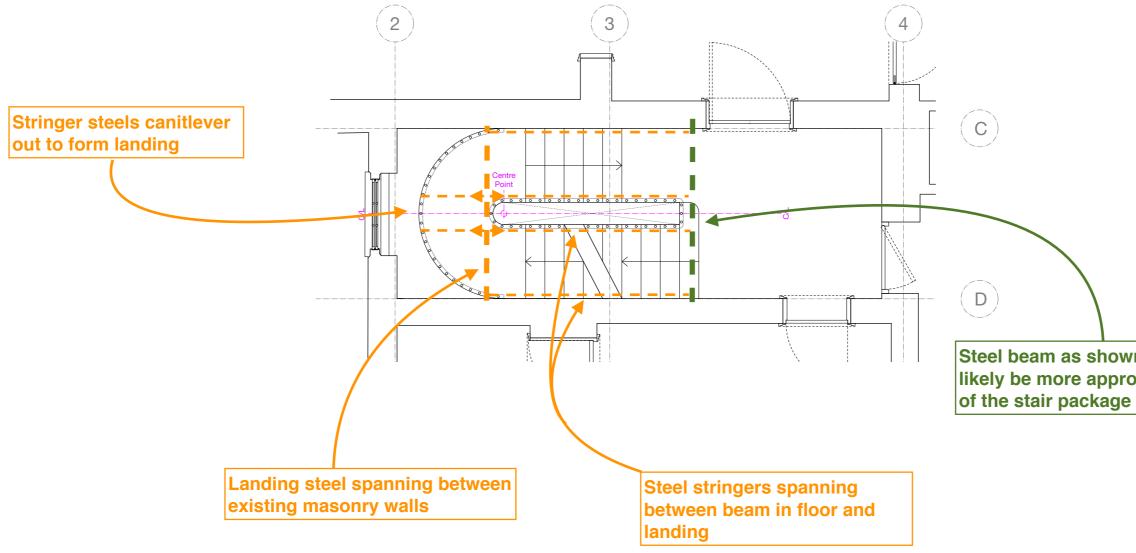
PADSTONE SCHEDULE				
P1	300 lg, 150 dp. (width to suit wall) MC padstone.			
P2	450 lg, 100 wd, 225 dp MC padstone.			
P3	560 lg, 100 wd, 300 dp MC padstone.			
P7	330 lg, 100 wd, 225 dp MC padstone.			
P8	560 lg, 350 dp, width to match wall. MC padstone.			
P9	250 lg, 330 wd, 225 dp MC padstone.			
P10	1000 lg, 100 wd, 500 dp MC padstone.			
P11	250 lg, 200 wd. 225 dp MC padstone			

STEELWO	RK COLUMNS		
SC1	UC203x203x46		
SC2	RHS200x100x10		
STEELWO	RK BEAMS		
SB1	UC203x203x46		
SB2	UC152x152x37		
SB3	UB203x102x23		
SB5	UC254x254x73		
SB6	UC203x203x60		
SB7	UB203x133x30		





constructure					
Project 5 The Grove	Project 5 The Grove				
Project No. 2124	Sheet SK-200	Rev.			
Date 08.04.22	Eng. DOM	Chk.			



TYPICAL NEW STAIR & LANDING STRUCTURE

Steel beam as shown on our drawing. Will likely be more appropriate to install as part

constructure				
Project 5 The Grove				
Project No. 2124	Sheet SK-201	Rev.		
Date 08.04.22	Eng. DOM	Chk.		