

STRUCTURAL NOTES

Please refer to all other design drawings by others. Please refer to drg. no. 1088/300 for specification and notes relating to structural engineering designs.

Blockwork strengths to be as follows: -

From top of foundation to u/s of 1st floor - 7.3N/mm² From 1st floor and above - 3.5 or 5N/mm²

STRUCTURAL KEY

- Span direction of infill members. MJ Movement joint in brickwork only (movement joints in blockwork by supplier). IL Internal box lintels. EL External cavity lintels. 7.3N/mm² strength blockwork. 3.5N/mm² or 5.0N/mm² strength blockwork. Engineering brickwork.

All lintels to be IG lintels of similar approved. Lintel sizes to be confirmed.

Padstones: PS1 = 100 x 225 x 150 Deep, PS2 = 100 x 330 x 225 Deep, PS3 = 100 x 555 x 300 Deep, PS4 = 100 x 450 x 330 x 375 Deep L-Shape. [All padstones to be Engineering Brick Class A & Mortar Designation (I)]

Timber Members: CR = Cut Rafter (47 x 200 Deep C24 @ 450mm c/c) CJ = Ceiling Joists (47 x 175 Deep C24 @ 600mm c/c)

Strapping: All First Floor joists and Roof structure to be strapped down to the face of masonry walls below in according to recommendation of Part A Building Regulations and NHBC Standards.

Ground Floor Window Lintel Schedule

Table with 4 columns: Number, Structural Opening, Length, Member Type. Lists lintels P3GF1 to P4GF4.

Ground Floor Doors Lintel Schedule

Table with 4 columns: Number, Structural Opening, Length, Member Type. Lists door lintels P3GFD1 to P4GFD4.

First Floor Window Lintel Schedule

Table with 4 columns: Number, Structural Opening, Length, Member Type. Lists first floor window lintels P3FF1 to P4FF7.

Second Floor Window Lintel Schedule

Table with 4 columns: Number, Structural Opening, Length, Member Type. Lists second floor window lintels P3FW1 to P4FW2.

Internal Lintel Schedule

Table with 4 columns: Number, Structural Opening, Length, Member Type. Lists internal lintels P3IFL1 to P4IFL1.

Rev Amendment table with columns: Rev, Amendment, By, Date. Lists P1, P2, A.

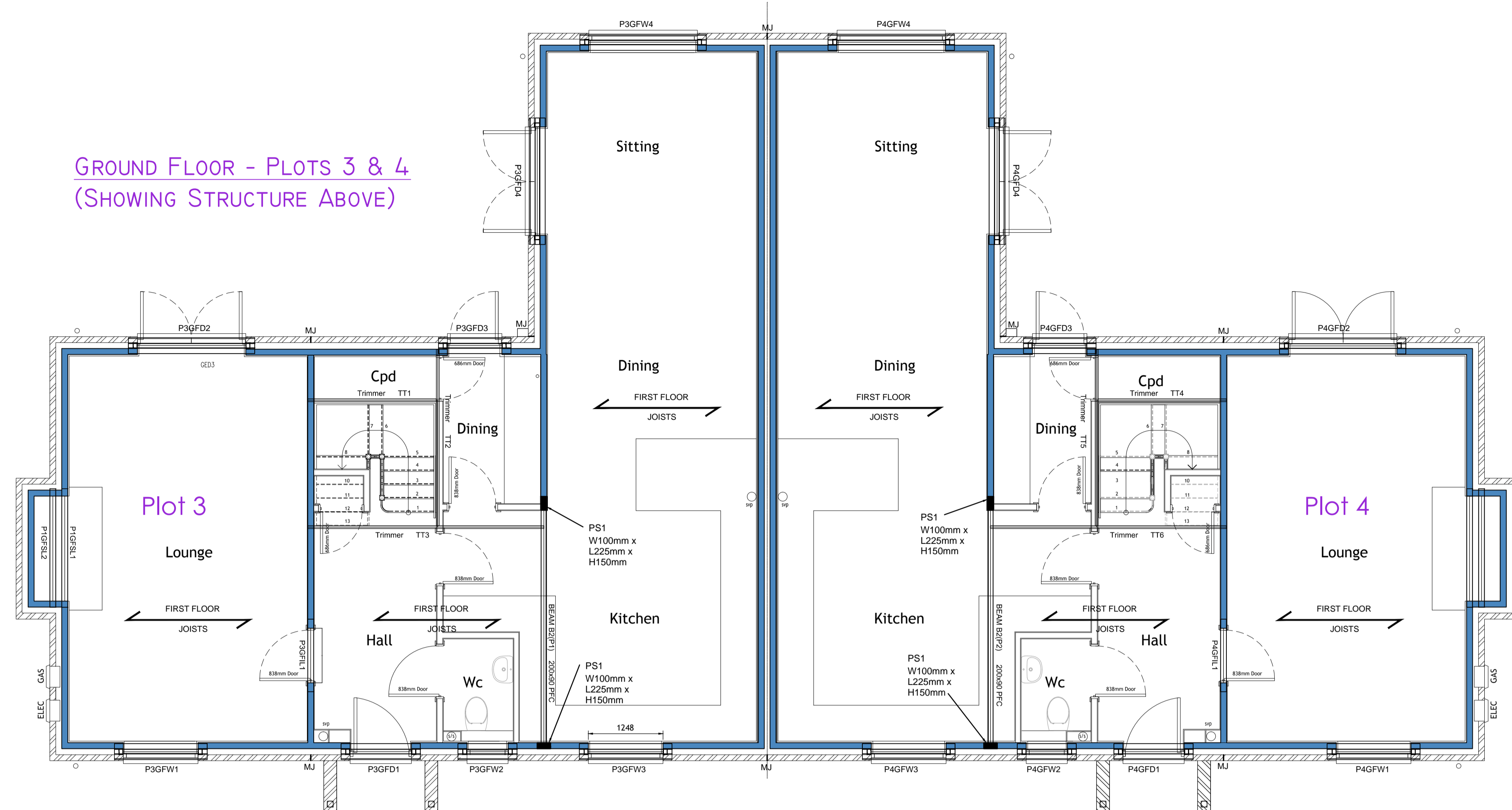
Ground Floor Steel Beams Schedule

Table with 4 columns: Number, Style, Opening, Length, Notes. Lists ground floor beams B2(P3) and B2(P4).

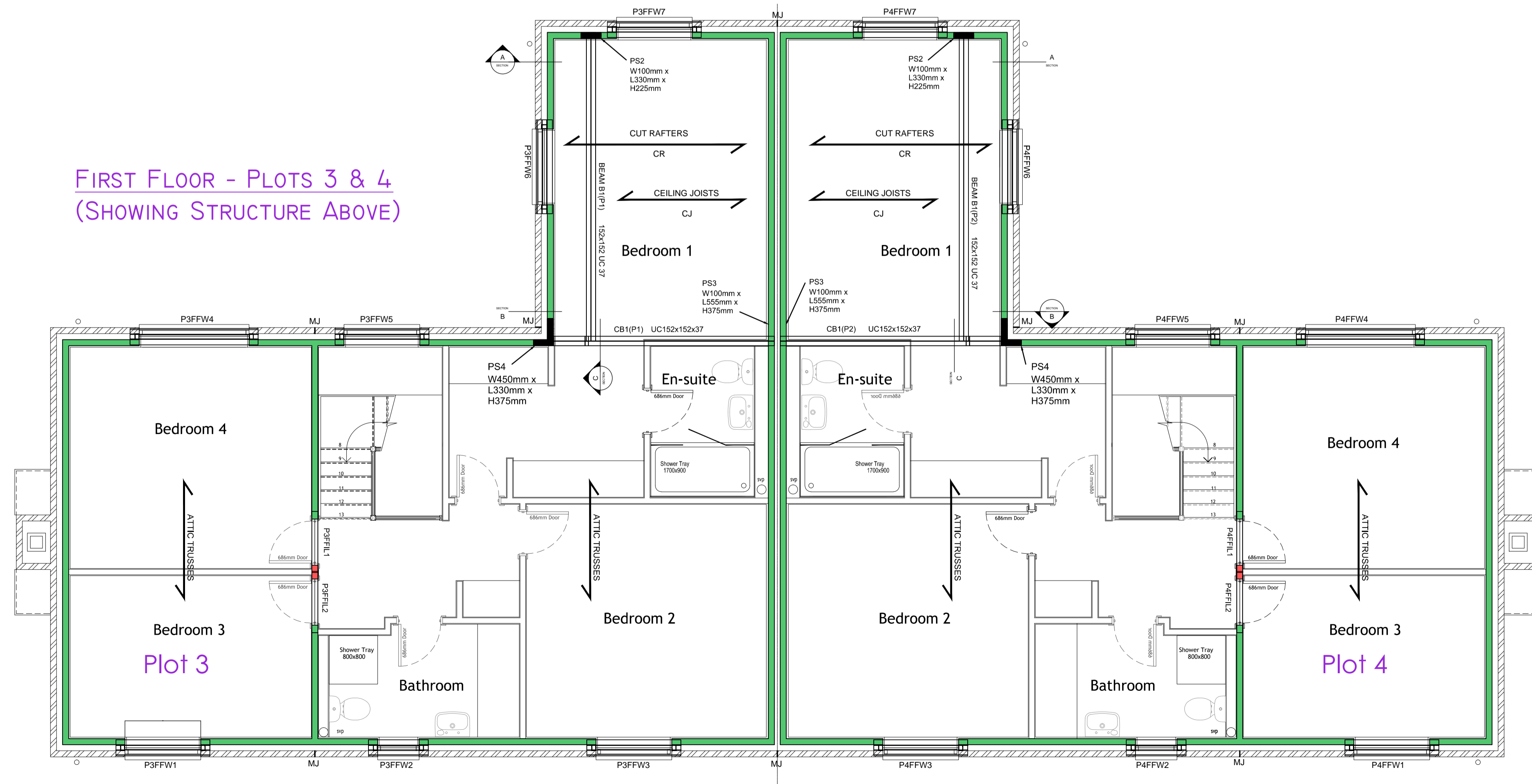
First Floor Steel Beams Schedule

Table with 4 columns: Number, Style, Length, Notes. Lists first floor beams B1(P3) and B1(P4).

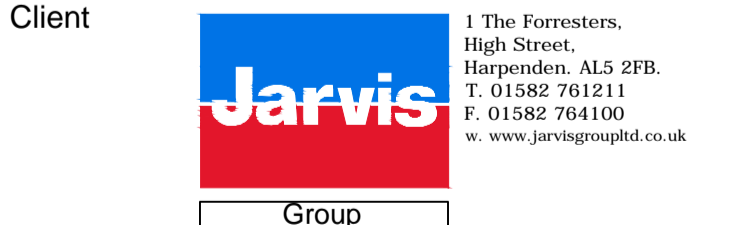
GROUND FLOOR - PLOTS 3 & 4 (SHOWING STRUCTURE ABOVE)



FIRST FLOOR - PLOTS 3 & 4 (SHOWING STRUCTURE ABOVE)



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Client: Jarvis Group. Drawing: STRUCTURAL ENGINEERING Proposed Superstructure For Plots 3 & 4 Above Ground & First Floors. Project: Six Tunnel Farm, Gaddesden Row, Hemel Hempstead. Scale: 1:50 @ A1. Date: 17.10.11. Approved: AA. Drawing no: 1183 - 304 A

STATUS: CONSTRUCTION

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