

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. Movement joint in brickwork only (movement joints in blockwork by supplier). Internal box lintels. 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 Rafters (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 P1GFW1 through P2GFW4.

Ground Floor Doors Lintel Schedule

Table with 4 columns: Number, Structural Opening, Length, Member Type. Lists door lintels P1GFD1 through P2GFD4.

First Floor Window Lintel Schedule

Table with 4 columns: Number, Structural Opening, Length, Member Type. Lists first floor window lintels P1FFW1 through P2FFW7.

Second Floor Window Lintel Schedule

Table with 4 columns: Number, Structural Opening, Length, Member Type. Lists second floor window lintels P1SFW1 through P2SFW2.

Internal Lintel Schedule

Table with 4 columns: Number, Structural Opening, Length, Member Type. Lists internal lintels P1GFL1 through P2SFL1.

Ground Floor Steel Beams Schedule

Table with 5 columns: Number, Style, Opening, Length, Notes. Lists ground floor steel beams B2(P1) and B2(P2).

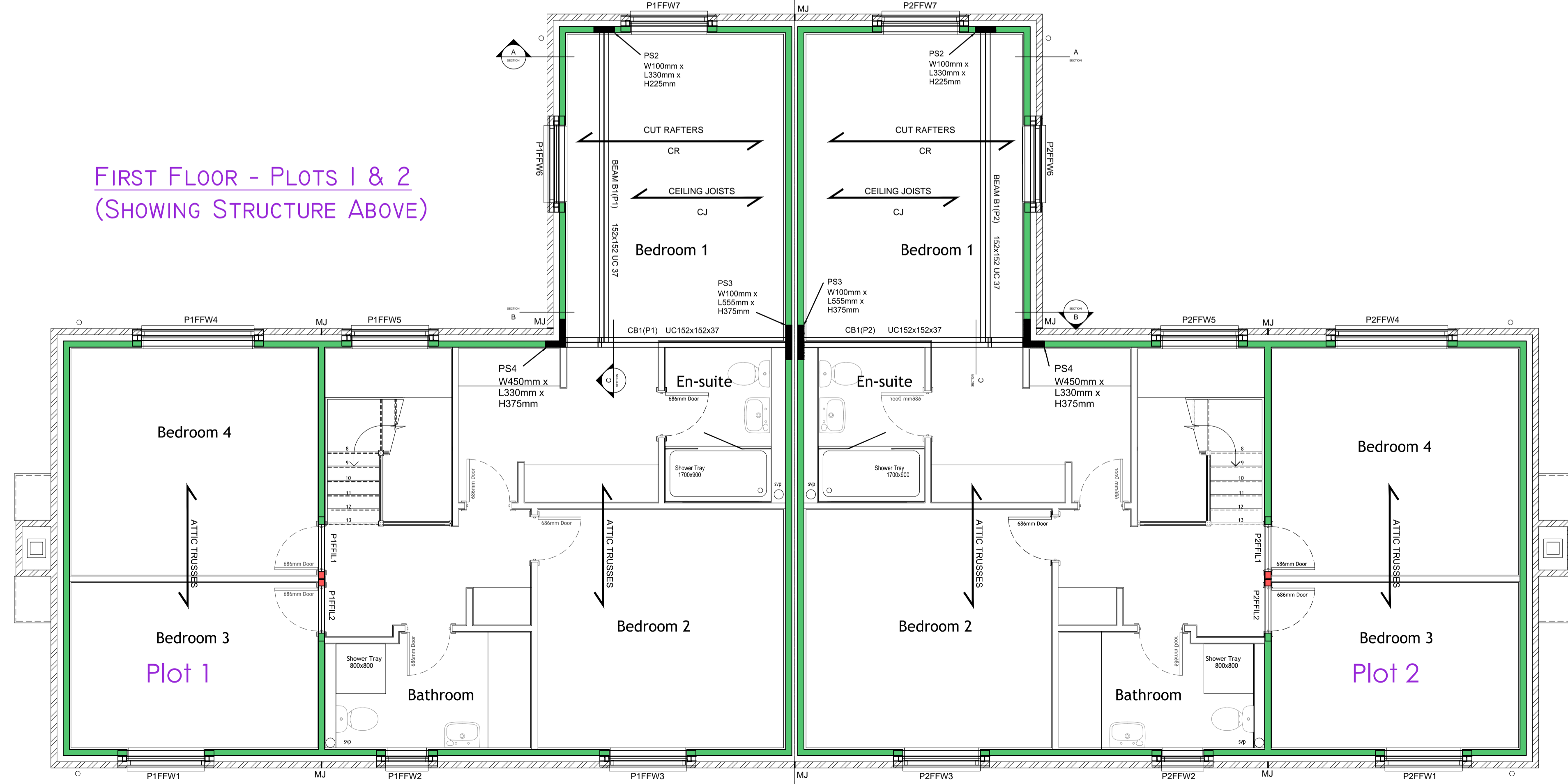
First Floor Steel Beams Schedule

Table with 5 columns: Number, Style, Length, Notes. Lists first floor steel beams CB1(P1) and CB1(P2).

GROUND FLOOR - PLOTS 1 & 2 (SHOWING STRUCTURE ABOVE)



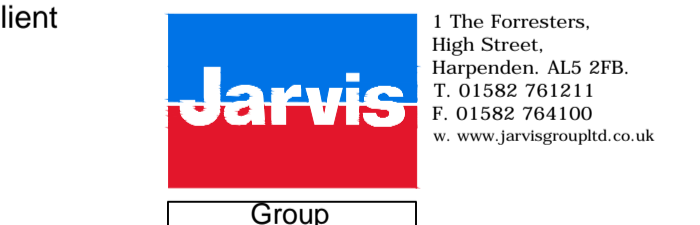
FIRST FLOOR - PLOTS 1 & 2 (SHOWING STRUCTURE ABOVE)



Rev Amendment table with columns: Rev, Amendment, By, Date. Shows revision P1 and A.



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Drawing: STRUCTURAL ENGINEERING Proposed Superstructure For Plots 1 & 2 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 - 303 A

STATUS: CONSTRUCTION

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