

Ground Floor Window Lintel Schadula

Schedule				
Number	Structural Opening	Length	Member Type	
P3GFW1	1220mm	1650mm	IG L1/S 100 or similar approved.	
P3GFW2	650mm	1050mm	IG L1/S 100 or similar approved.	
P3GFW3	1220mm		IG L1/S 100 or similar approved.	
P3GFW4	1790mm		IG L1/S 100 or similar approved.	
P4GFW1	1220mm	1650mm	IG L1/S 100 or similar approved.	
P4GFW2	650mm	1050mm	IG L1/S 100 or similar approved.	
P4GFW3	1220mm	1650mm	IG L1/S 100 or similar approved.	
P4GFW4	1790mm	2100mm	IG L1/S 100 or similar approved.	

Ground Floor Doors Lintel Schedule

Number	Number Structural Opening		Member Type	
P3GFD1	1023mm	1350mm	IG L1/S 100 or similar approved.	
P3GFD2	1810mm	2100mm	IG L1/S 100 or similar approved.	
P3GFD3	910mm	1200mm	IG L1/S 100 or similar approved.	
P3GFD4	1810mm	2100mm	IG L1/HD 100 or similar approved.	
P4GFD1	1023mm	1350mm	IG L1/S 100 or similar approved.	
P4GFD2	1810mm	2100mm	IG L1/S 100 or similar approved.	
P4GFD3	910mm	1200mm	IG L1/S 100 or similar approved.	
P4GFD4	1810mm	2100mm	IG L1/HD 100 or similar approved.	

First Floor Window Lintel

Schedule					
Number	Structural Opening	Length	Member Type		
P3FFW1	1220mm	1650mm	IG L1/XHD 100 or similar approved		
P3FFW2	650mm	1050mm	IG L1/S 100 or similar approved.		
P3FFW3	1220mm	1650mm	IG L1/XHD 100 or similar approved		
P3FFW4	1790mm	2100mm	IG L1/XHD 100 or similar approved		
P3FFW5	1220mm	1650mm	IG L1/XHD 100 or similar approved		
P3FFW6	1220mm	1650mm	IG L1/S 100 or similar approved.		
P3FFW7	1220mm	1650mm	IG L1/S 100 or similar approved.		
P4FFW1	1220mm	1650mm	IG L1/XHD 100 or similar approved		
P4FFW2	650mm	1050mm	IG L1/S 100 or similar approved.		
P4FFW3	1220mm	1650mm	IG L1/XHD 100 or similar approved		
P4FFW4	1790mm	2100mm	IG L1/XHD 100 or similar approved		
P4FFW5	1220mm	1650mm	IG L1/XHD 100 or similar approved		
P4FFW6	1220mm	1650mm	IG L1/S 100 or similar approved.		
P4FFW7	1220mm	1650mm	IG L1/S 100 or similar approved.		

Second Floor Window Lintel Schedule

Number	Structural Opening	Length	Member Type			
P3SFW1	650mm	1050mm	IG L1/S 100 or similar approve			
P3SFW2	650mm	1050mm	IG L1/S 100 or similar approve			
P4SFW1	650mm	1050mm	IG L1/S 100 or similar approve			
P4SFW2	650mm	1050mm	IG L1/S 100 or similar approve			

I	nternal Li	ntel	Schedule
Number	Structural Opening	Length	Member Type
P3GFIL1	910mm	1200mm	IG Box 100 or similar approved.
P3GFSL1	1750mm	1950mm	Stressline Lintel R22A 100 x 220
P3GFSL2	1750mm	1950mm	Stressline Lintel R22A 100 x 220
P3FFIL1	860mm	1200mm	IG Box 100 or similar approved.
P3FFIL2	860mm	1200mm	IG Box 100 or similar approved.
P4GFIL1	910mm	1200mm	IG Box 100 or similar approved.
P4GFSL1	1 <i>75</i> 0mm	1950mm	Stressline Lintel R22A 100 x 220
P4GFSL2	1750mm	1950mm	Stressline Lintel R22A 100 x 220
P4FFIL1	860mm	1200mm	IG Box 100 or similar approved.
P4FFIL2	860mm	1200mm	IG Box 100 or similar approved.
P3SFIL1	860mm	1200mm	IG Box 100 or similar approved.
P4SFIL1	860mm	1200mm	IG Box 100 or similar approved.

Ground Floor Steel Beams Schedule

Number	Style	Opening	Length	Notes
B2(P3)	200x90 PFC	3885mm	4185mm	With timber packer within the flanges, full length
B2(P4)	200x90 PFC	3885mm	4185mm	With timber packer within the flanges, full length

First Floor Steel Beams Schedule

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Number	Style	Length	Note

B1(P3) 152x152 UC 37 TBC on Site With timber packer within the flanges to one side, full length CB1(P3) 152x152 UC 37 TBC on Site With 300 x 10mm plate welded to bottom flange, part length B1(P4) 152x152 UC 37 TBC on Site With timber packer within the flanges to one side, full length CB1(P4) 152x152 UC 37 TBC on Site With 300 x 10mm plate welded to bottom flange, part length

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 $5N/mm^2$

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 Srandards.

CITTEC®

P2 Window & door schedules amended as per Nettassets latest drawings. CST 06.08.12

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Rev Amendment

A Construction & Length of Beams B2 amended.



Drawing

STRUCTURAL ENGINEERING Proposed Superstructure For Plots 3 & 4

Above Ground & First Floors

Six Tunnel Farm, Gaddesden Row, Hemel Hepstead

Scale Date 17.10.11

1183 - 304 A

CST 26.07.12

CST 10.09.12