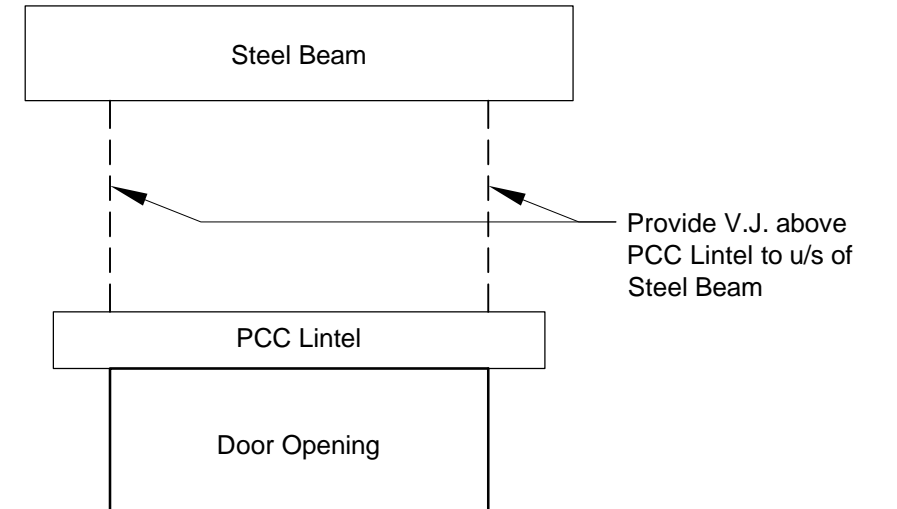


Refer to dwg. no. 0623/2011 for Ground Floor Structural Details.
Refer to dwg. no. 0623/9000 for setting out co-ordinates of columns.

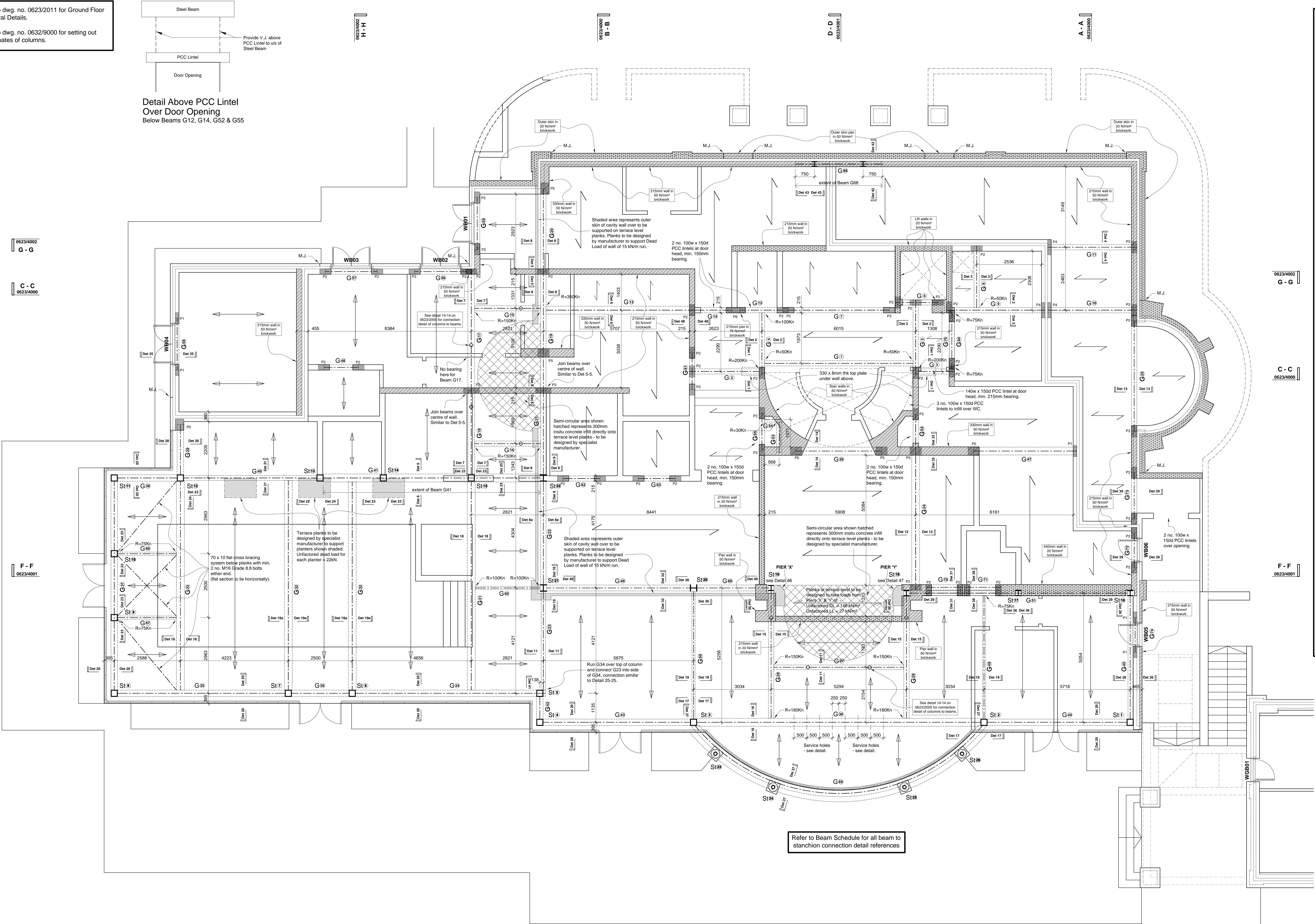


Detail Above PCC Lintel Over Door Opening Below Beams G12, G14, G52 & G55

0623/4002 G - G

C - C 0623/4000

F - F 0623/4001



Refer to Beam Schedule for all beam to stanchion connection detail references

Basement Floor Plan showing: - Ground Floor Structure

0623/4002 H - H

0623/4000 B - B

D - D 0623/4001

A - A 0623/4000

- NOTES**
- Concrete block padstones below beam bearing of min strength 21N/m². Beams to have full bearing on padstones.
- | Padstone Ref | L | W | D |
|--------------|-----|-----|----------------|
| P1 | 440 | 140 | 215mm |
| P2 | 440 | 215 | 215mm |
| P3 | 600 | 215 | 215mm |
| P4 | 600 | 140 | 215mm |
| P5 | 440 | 330 | 215mm |
| P6 | 755 | 215 | 215mm |
| P7 | 560 | 215 | 215mm |
| P8 | 880 | 215 | 215mm |
| P9 | 440 | 100 | 215mm |
| P10 | 330 | 330 | 215mm |
| P11 | 440 | 140 | 215mm (curved) |
- Inner skin of cavity walls and all blockwork walls from basement to roof plate level to be in blocks of strength 7.3 N/m² set in 1:1:6 mortar (cement : lime : sand) unless noted otherwise.
- Cavity lintels to have minimum 150mm end bearing or as otherwise noted on drawing and to be installed in accordance with manufacturer's details.
- Where first floor spans are parallel to external walls, floor plates are to be built-in to wall to act as lateral restraint.
- Steel beams are to be located within depth of structural floor zone unless stated otherwise, and are to be fitted with ms support brackets where supporting end bearing of floor units. Floor units to have min. 75mm end bearing onto brackets. Refer to detail section showing bearing arrangement.
- All internal block walls are to be fully bonded to external walls.
- Use Catnic C856XA lintels above all single door openings in 140mm walls unless otherwise noted on plan.
- Arrows denote direction of span of 200mm deep hollow core concrete floor units in Ground floor zone to be designed by specialist manufacturer for unfactored D.L. = 3.60 kN/m² and L.L. = 1.50 kN/m² in addition to self weight of floor and non-loadbearing walls.
- Note: D.L. of 3.60 kN/m² contains an allowance of 1.0 kN/m² for partitions.
- Arrows denote direction of span of 200mm deep hollow core concrete floor units in Terrace zone to be designed by specialist manufacturer for unfactored D.L. = 4.55 kN/m² and L.L. = 2.50 kN/m² in addition to self weight of floor, planters, external walls and in situ concrete all as noted.
- Arrows denote direction of span of 250mm deep hollow core concrete floor units in Ground floor zone to be designed by specialist manufacturer for the following unfactored loadings:
- 1) D.L. = 2.60 kN/m² and L.L. = 1.50 kN/m²
 - 2) Loading from piers 'X' and 'Y' as noted on plan.
 - 3) 300mm in situ concrete infill as noted on plan.
 - 4) Self weight of planks and any non loadbearing partitions shown on the drawings.
- Arrows denote direction of span of 250mm deep hollow core concrete floor units in Terrace zone to be designed by specialist manufacturer for the following unfactored loadings:
- 1) D.L. = 4.55 kN/m² and L.L. = 2.50 kN/m²
 - 2) Planters as shown on plan.
 - 3) Self weight of planks.
- Denotes walls & piers in bricks of strength 70 N/m² set in 1 : 1 : 3 mortar. (Cement : Lime : Sand)
- Denotes walls & piers in bricks of strength 50 N/m² set in 1 : 1 : 3 mortar. (Cement : Lime : Sand)
- Denotes walls & piers in bricks of strength 20 N/m² set in 1 : 1 : 3 mortar. (Cement : Lime : Sand)
- R = 15KN etc Denotes ultimate beam reactions for steel fabricator to design and detail appropriate connections. No connection to have less than 4no. M16 Grade 8.8 bolts.
- V.J. Denotes vertical tied joint in wall with wall ties at 225mm crs. vertically.
- M.J. Denotes movement joint (see elevations).

B	250mm deep planks incorporated.	15.08.13
A	Construction Issue.	10.07.13

Revision Date



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Project
Overby, St Georges Hill
 Title

Ground Floor Structure Plan

Construction		
Scale	Drawn	Date
1:50	sh	Mar. '13
Job number	Drawing number	Revision
0623	2004	B

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