



Key (Works to Walls).

- Existing load-bearing wall.
- New Blockwork / brickwork load-bearing wall.
- New non-loadbearing blockwork wall.
- New non-loadbearing studwork wall.

Existing Internal load bearing walls, steel stool installation.
 A continuous slot is created at the base of existing internal load bearing walls, using steel stools installed in an underpinning type sequence to provide temporary support to the walls. The new ground floor slab is then installed through the slot created. Refer to ground floor enabling works drawing and steel stool installation sequence drawing for further detail.

Ground floor slab.
 Suspended ground floor slab under full footprint of existing house. Slab spans between perimeter retaining wall and permanent basement columns. Permanent columns to be installed on foundations at basement level constructed in 'underpin' type excavations.

203 x 203 x 46 UKC (S275)
 Steel beam supports rear wall over ground floor opening.

New window opening cut.
 p.c. builderswork lintels over.

Lintels over bi-fold doors to be 'Extra Heavy Duty' Catnic CX90/100 or similar approved. Final lintel design and selection should be by the lintel manufacturer, with selection to suit Architect cavity width requirements.

10 Clorane Gardens
Structural scheme.
Ground floor – Structural Alterations.
K697 – SK2 Rev B 19/1/16

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RC Ground beams 600 deep x 450 wide, between pad bases, bearing at same formation level as basement.

Beam block suspended floor. Double 150 deep beams at 427mm centres.

Lintels 'Heavy Duty' Catnic CH90/100 or similar approved.

New cavity block walls to form single storey extension.

p.c. builderswork lintels over new store area.

Steel column below.

RC suspended slab. 250mm thk

Steel column below.

RC suspended slab. 250mm thk

RC suspended slab. 250mm thk

Steel column below.

Line of basement under.

Ground Floor Plan
 (Scale 1:50 @ A1)

