




1. 1No. Engineering brick
2. 330 x 100 x 150 dp Grade C20P mass conc
3. 330 x 225 x 150 dp Grade C20P mass conc
4. 675 long over all (irregular on plan) x 100 x 225 deep Grade C20P mass conc

G1 2No. 125 x 65 PFC (x 15kg/m each). Webs centrally pre-drilled with 14mm diameter holes @ 600cc



PRELIMINARY  
SUBJECT TO LOCAL  
AUTHORITY APPROVAL

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PROJECT

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TITLE

## Basement Alterations: Structural Arrangements & Details

DRAWN CW	AUTHORISED	SCALE 50 20	PROJECT NO. 207011A
STAGE 1	STORAGE	DATE Nov 11	DRAWING NO. 01

1 - PRELIM 2 - INFO 3 - APPR 4 - TENDER 5 - BUILDING REGS 6 - CONST 7 - AS BUILT

Underpin Notes

### 1. Construction Sequence.

a) Excavate underpin base depth shown below existing ground level  
Clean of all loose material from the underside of the existing foundation.

b) Pour base and leave for one day before pinning up tight with 1:3 cement/sand mortar, semi-dry and well rammed.

c) Repeat for all bases in sequence.

2.Remove all excess materials from site and leave clean and tidy.

3.If the condition of the existing footing is poor, temporary props may be required.

#### 4. Concrete mixes for underpin bases

a) For ready mix concrete (obtained from a B.R.C.A. approved depot): Concrete to be grade C35 with a minimum cement content of 300 kg./m. cubed, and a maximum free water/cement ratio of 0.60 using S.R.P.C. (20mm. maximum aggregate).

b) For concrete mixed on site, in suitable conditions, the mix to contain the following per cubic metre:

The water shall contain sufficient water to achieve a maximum slump of 75mm.

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