

SURFACE WATER DRAINAGE
New downpipe positions discharging to trapped gullies, with connections to 100 pvcu underground pipework laid to falls bedded and surrounded in 150 pea shingle and discharging to soakaway.
1.5 cubic metre soakaway to be formed minimum 5 metres from any adjoining building.

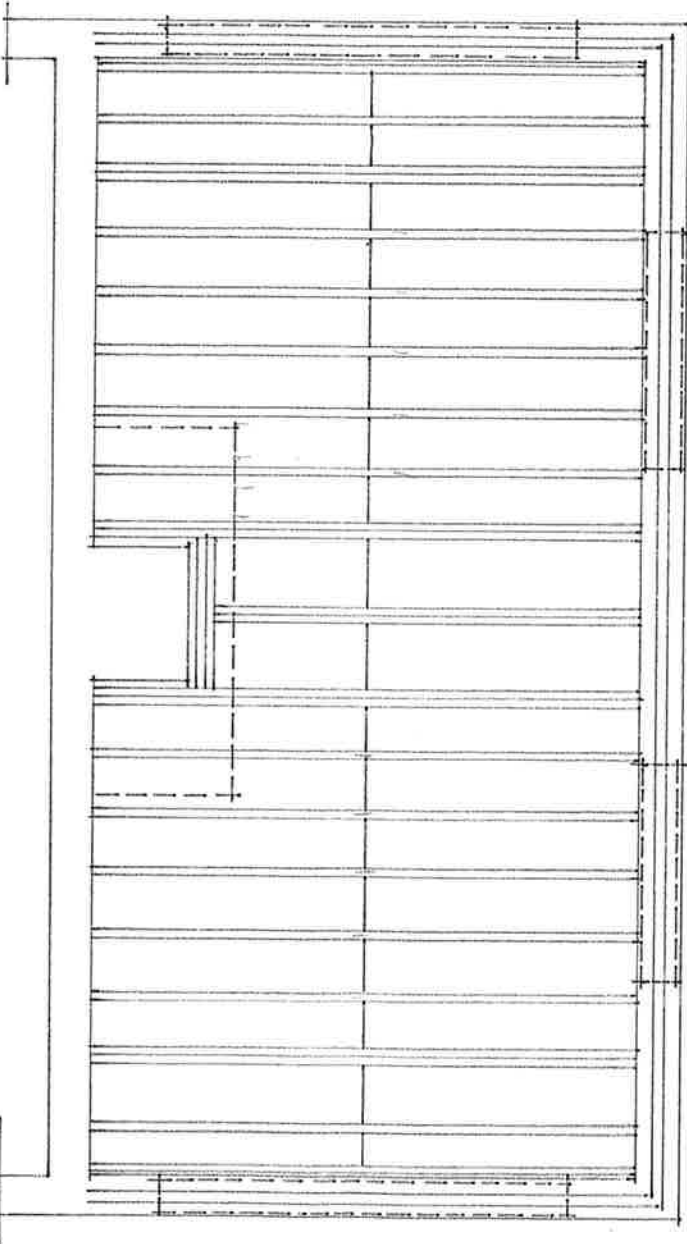
EXTERNAL WALLS BELOW DPC
Walls below DPC to be 100mm solid concrete blockwork, 102mm facing brick to external skin where exposed. DPC to be 112 Dampcore or similar. Where drains and any service connections pass through external walls, 100x68 prestressed pc lintels to be installed above.

GROUND FLOOR ALTERATIONS
Take down existing conservatory and clear away.

GROUND FLOOR
Ground floor to be 100mm mass concrete slab on 1200 gauge damp proof membrane on 150mm well consolidated sub base.

FOUNDATIONS
Strip the site of all remaining vegetable soil and pavings, excavate for trenchfill foundations min. width 500mm and to a min. depth of 1 metre, subject to approval of the foundation bottom by the Building Inspector.
Foundations to be mass concrete 500mm wide x min. 850mm depth, to 150mm below ground level. No loads to be placed on adjoining existing foundations.

DRAINAGE
All new drain runs are to be in 100 pvcu underground pipework laid to falls and bedded and surrounded in 150mm concrete where passing under the building, 150mm pea shingle elsewhere.
New inspection chamber is to be in pvcu with medium duty cover, connecting new soil pipe position to existing drainage runs as indicated.



FIRST FLOOR
All new floor joists to be 47 x 220 C24 treated sw at 400ccs, with solid noggin at midspan. Double joists each side of chimney stack minimum 50mm clearance, with double trimmer to receive intermediate joist. First floor partitions to be supported either by doubled up joists or solid noggin where the partition is at right angles to the joist.
Restraint straps to be provided at 2 metre ccs to end walls, 30x5mm galvanized steel, taken across min 3 joists and turned up or down wall and twice bolted into wall, with solid noggin between joists at strap positions.

FIRST FLOOR FINISH
In Dressing Room, 25mm C4 grade chipboard panels with tongued and grooved edges, all floor voids to be filled with Rockwool sound insulation slab minimum 150mm thick.
In En Suite Bathroom, 19mm EQ ply sheet screwed to joists and prepared to receive tiled finish.

EXTERNAL WALLS ABOVE DPC
Walls above DPC to be 100mm Toplite lightweight insulation blockwork external skin with 20mm 2 coat roughcast render to match existing, 75mm cavity fully filled with KNAUF insulation bats, internal skin 100mm Toplite lightweight insulation blocks.
Cavity ties to be stainless steel at 450 vertical and 750 horizontal centres.
Cavity wall lintels to be Catnic insulated or similar with minimum 150mm bearings. All new openings to be made with Thermabate or equivalent insulated closer, all cills to new openings to be in cut brick on edge with DPC under.

CLIENT

P DUNN

PROJECT

PROPOSED EXTENSION

26 BARRACK LANE

BOGNOR REGIS PO21 4DA

DRAWING TITLE

FOUNDATION AND FIRST FLOOR STRUCTURE PLANS

SCALE

1/50 at A3

REFERENCE

10714/06

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NOTES
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