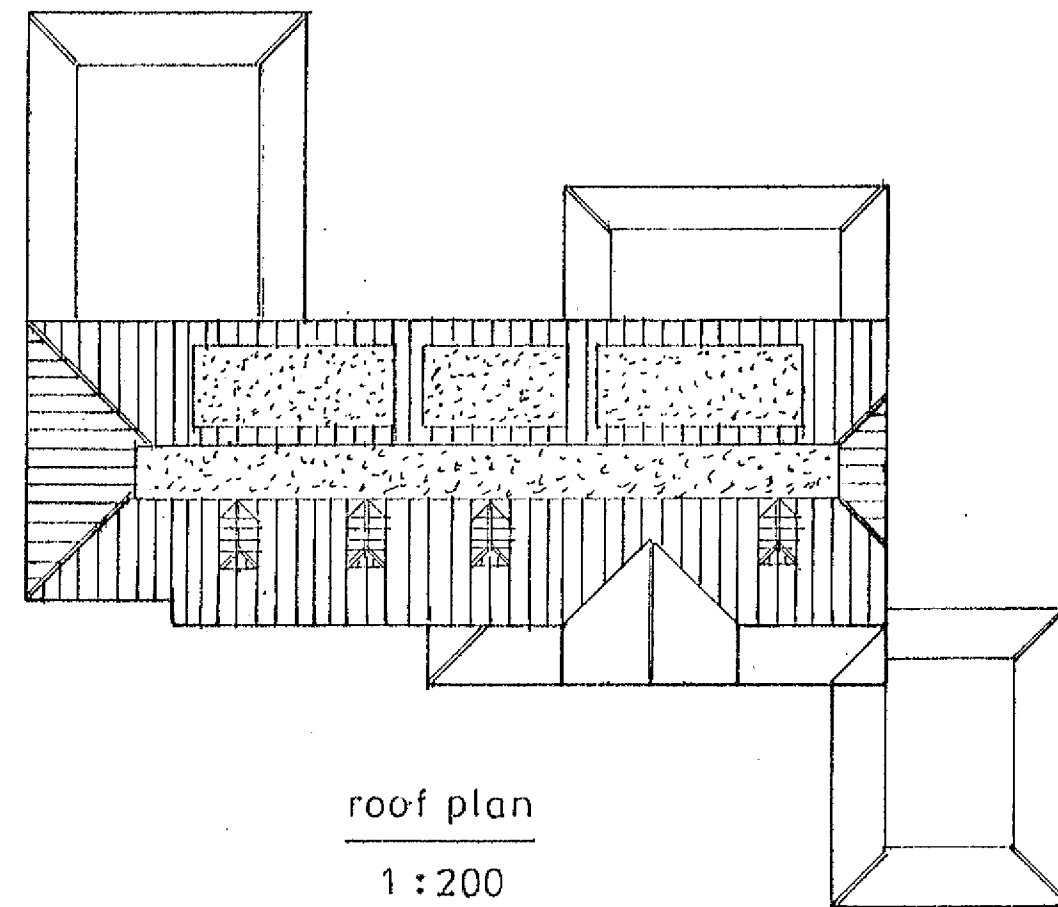
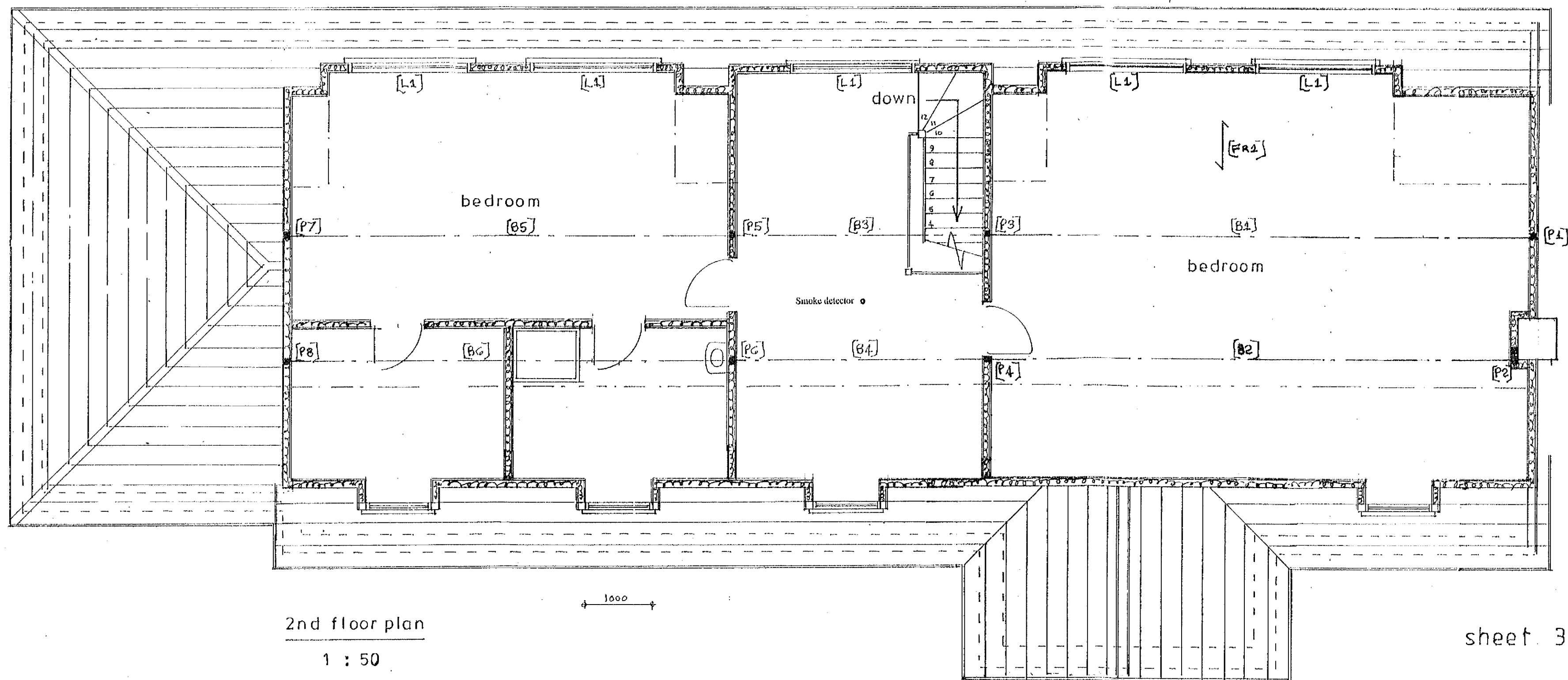




- [R1] 150 x 50mm C.16 rafters @ 400mm c/c.
 [R2] 2No 150 x 50mm C.16 rafters spiked together to roof light cheeks.
 [FR1] 125 x 50mm C.16 flat roof joists @ 400mm c/c.
 [L1] Min. 125 x 50mm C.16 timbers spiked together bearing on min. 2No studs spiked together.
 [B1] 305 x 165 x UB40 connected to [P1] & [P3] with 4No M16 bolts through 12mm thick end plate welded to post AND connected to [B3] with 4No M16 bolts through 12mm thick m.s. end plates welded to beam with connection max. 150mm from bearing.
 [B2] 305 x 165 x UB40 connected to [P2] & [P4] with 4No M16 bolts through 12mm thick end plate welded to post AND connected to [B4] with 4No M16 bolts through 12mm thick m.s. end plates welded to beam with connection max. 150mm from bearing.
 [B3] 254 x 146 x UB31 connected to [B1] as above AND to [B5] as below.
 [B4] 254 x 146 x UB31 connected to [B2] as above AND to [B6] as below.
 [B5A] 152 x 152 x UC23 connected to [B1] & [B2] with 4No M16 bolts through 12mm thick angle cleats welded to beam.
 [B5] 254 x 146 x UB31 connected to [P5] & [P7] with 4No M16 bolts through 12mm thick end plate welded to post AND connected to [B3] with 4No M16 bolts through 12mm thick m.s. end plates welded to beam with connection max. 150mm from bearing.
 [B6] 254 x 146 x UB31 connected to [P6] & [P8] with 4No M16 bolts through 12mm thick end plate welded to post AND connected to [B4] with 4No M16 bolts through 12mm thick m.s. end plates welded to beam with connection max. 150mm from bearing.
 [P1], [P2], [P3], [P4], [P5], [P6], [P7], [P8] & [P9] 80 x 80 x 3.6SHS connected to bearing/beam below with 4No M12 bolts through 120 x 300 x 12mm thick m.s. base plate welded to post.

ALTERATION OF EXISTING PLUMBING AND ELECTRICAL CIRCUITS WILL BE REQUIRED DURING INSTALLATION OF NEW FLOOR JOISTS.



sheet 3b of 6

Proposed

PROPOSED ROOF ALTERATIONS TO FORM NEW 2ND FLOOR AT 16, VICARAGE LANE,
FELPHAM FOR MR. & MRS. S. NEWMAN.

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