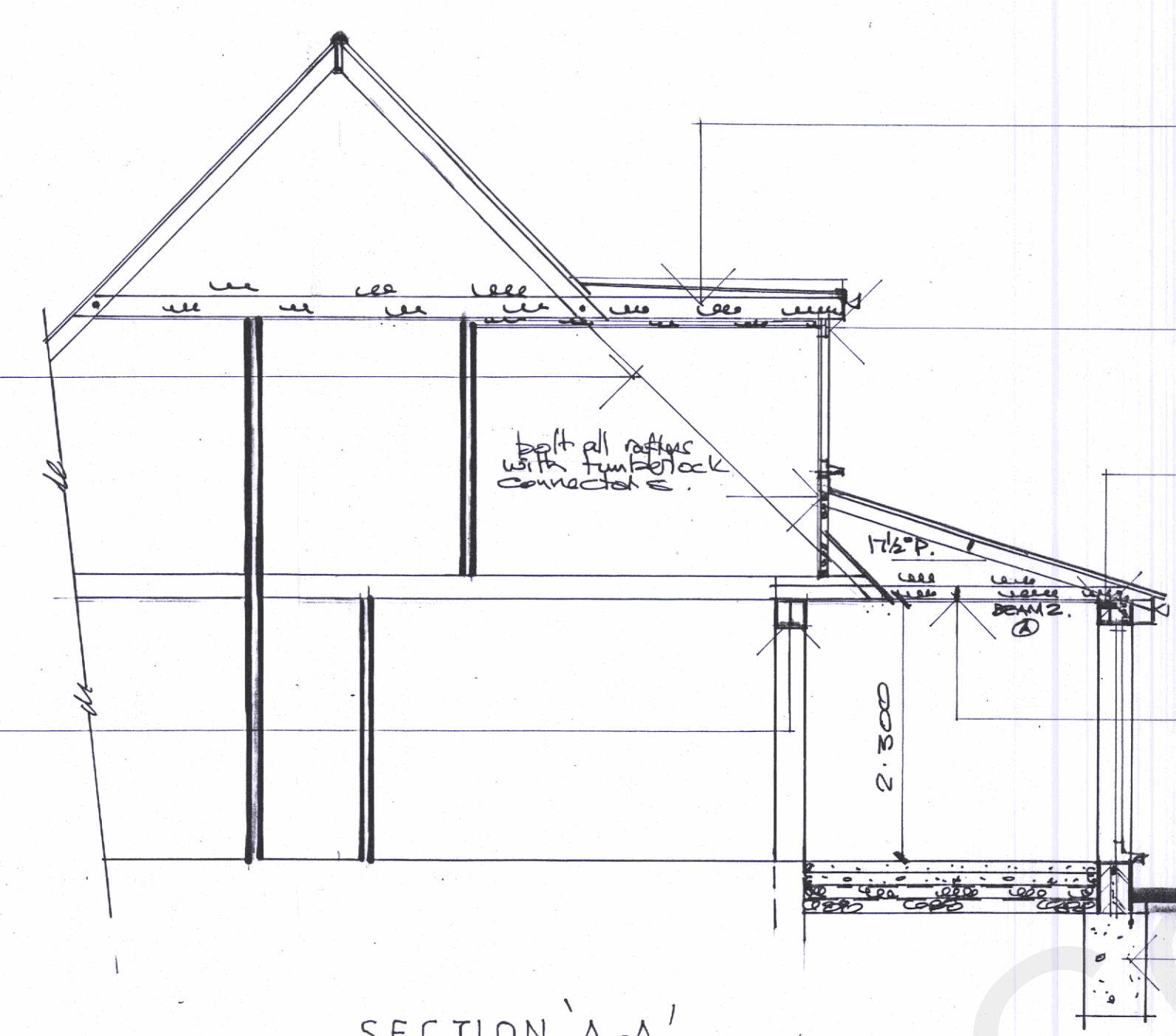


CB 3043.02 REV. A



PROPOSED REAR EXTENSION

Skellings ($U = 0.18 \text{ w/m}^2\text{k}$)
Insulate with Kingspan K7 90mm thk between rafters and K7 50mm thk under rafters



COLD DECK ROOF ($U = 0.18 \text{ w/m}^2\text{k}$)
1. 3-layer high performance 'Torch On' roofing felt. Mineral top layer on 12mm thk shuttering ply on 150 x 50 joists @ 400mm centres with Kingspan K7 insulation board 100mm thk between joists and 60mm thk boarding underneath joists with 12.5mm thk plasterboard & set UPVC ventilated soffits all round.

2. No. 150 x 80 joists framing gutter head

100 x 50 mm. treated timber wall plate to be shaped to wall @ max. 2.00 M. CTR

1500 mm long batt strips @ max 2.00 M. CTR with 100 x 50 mm. solid nogging between joists

Foundations to be taken down to 100 mm of drain with depth 1000 and to S.T.G. approval.

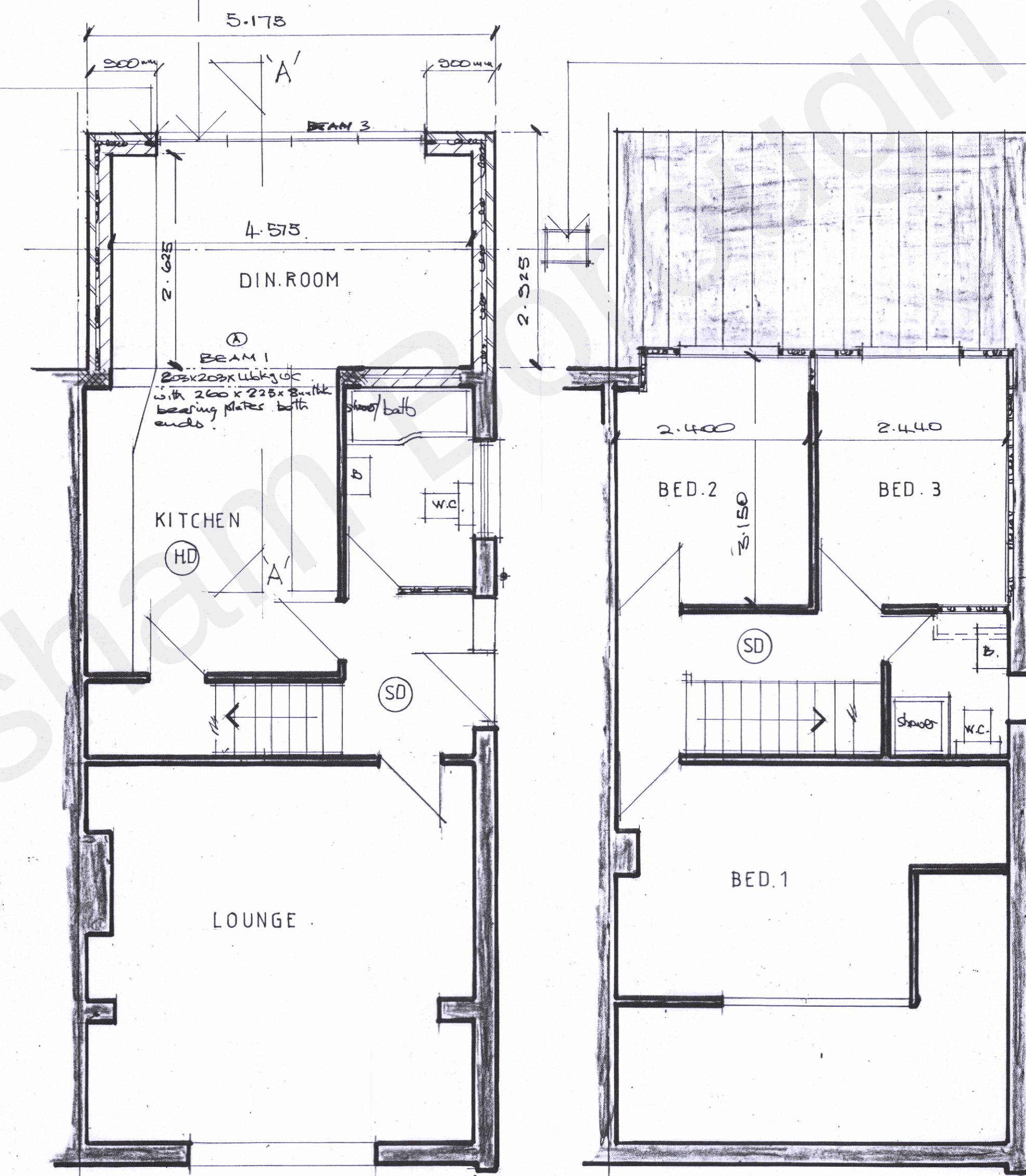
existing manhole to be re-sited clear of extension. Min. 500 mm. make good drain run with flexible couplings both ends.

DRAINAGE
1. All new drains to be 110mm Ø Marley UPVC piping encased in 150mm of peashingle.
2. R.C lintols to be built into cavity walls above new drain runs.
3. New manholes to be constructed in 225mm SP3 brick built off 150mm thk concrete base fitted with a 600 x 450mm manhole cover & frame.
4. Drains to be water & pressure tested in conjunction with L/A Building Control officer.

④ BEAM 1.
203 x 203 x 46kg LOC. spanning kitchen with 250 x 225 mm by 8 mm thick steel plate both ends.

④ BEAM 3.
152 x 88 x 16 kg UB with 255 x 6 mm thk steel plate welded to bottom flange.

Thermal-ballo ducts close to or similar.

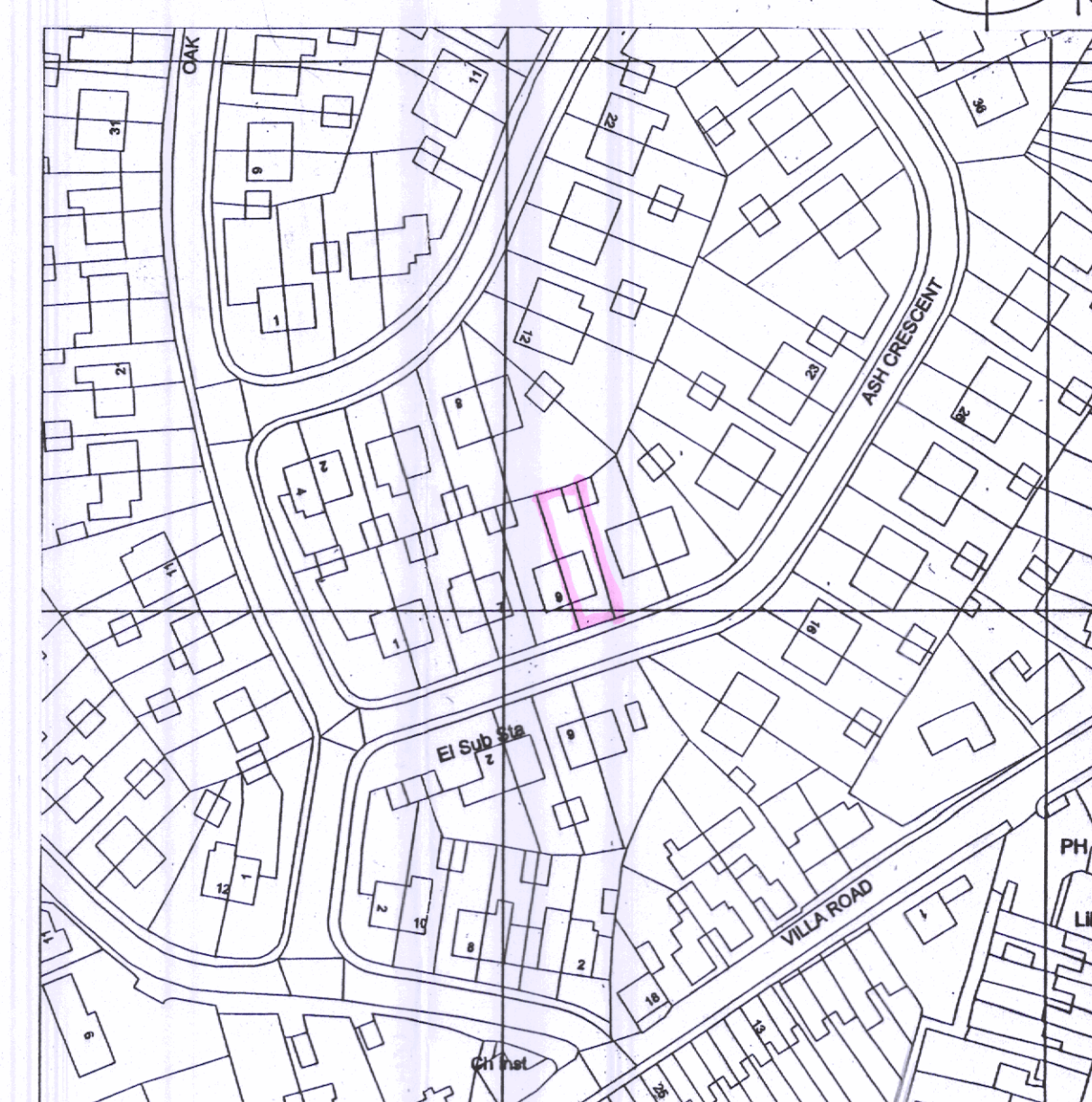


EX GRD. FLOOR PLAN

EX FIRST FLOOR PLAN

PROPOSED GRD. FLOOR PLAN

PROPOSED FIRST FLOOR PLAN



SITE PLAN
SCALE 1:1250

General Specification:

1. PITCHED ROOF ($U = 0.15 \text{ w/m}^2\text{k}$)
Tiles:- Conc. interlocking.
On 38 x 25 battens on breathable felt
Rafters 150 x 50 C24 @ 400mm CTRs.
Ceiling Joists 170 x 50
Ridge Board 200 x 50
150mm thk rockwool insulation over & between joists with 12.5mm plasterboard ceiling with plaster finish. UPVC soffit and fascia boards

2. CAV. WALLS ($U = 0.18 \text{ w/m}^2\text{k}$)
Brick outer skin with 150mm cavity with Rockwool Cavity Insulation 150mm thk 100mm thk thermolite turbo block inner skin with wall tie spacing 450 x 750 12mm thk carlite plaster finish

3. FLOOR ($U = 0.10 \text{ w/m}^2\text{k}$)
65mm thk cl/sand screed on min. 100mm thk concrete oversite 1:6 on 500 gauge polythene D.P.M on Kingspan TF70 100mm thk on 1200 gauge polythene D.P.M on 100mm thk type 1 roadstone well consolidated and sand binded.

4. FOUNDATIONS
600/450mm wide deep strip concrete foundations 1:2:4 with cavity brickwork up to D.P.C with SP3 bricks or concrete blocks up to ground level with lean mix cavity infill to within 2 courses of D.P.C

5. TREES AND SHRUBS ETC
No trees or shrubs in vicinity of proposed works likely to affect design of new foundations.

6. DORMA CONST'N ($U = 0.18 \text{ w/m}^2\text{k}$)
Conc. Plain tiling on 19 x 38mm battens on felt underlay on 12mm shuttering ply (with 9mm thk masterboard within 1.00 metre boundary) on 100 x 50mm stud framework with 40 mm thk Kingspan TW55 insulation between studs and 50mm thk TW55 inside of studs with 12.5mm thk plasterboard lining and set

7. Existing heating system is to be replaced by combination boiler.

8. Existing floor construction in loft already extends over left extension however client has been advised to extend 150mm Rockwool in situ into proposed area.

Rev. A Transmitted to comply with S.T.G. & ENG. CALCS SET 1/10.

Job Title
PROPOSED LOFT & REAR EXTENSION & IMPROVEMENTS AT 11, ASH CRESENT, HIGHAM, ROCHESTER, KENT. ME3 7BA

Client MR & MRS. L. MARSHALL

Dwg Title

Scale 1:50

Date MARCH 2019

C & B Designs
Architectural Designers & Consultants
12 St. Margarets Drive
Gillingham
Kent ME8 6NR
Medway: 01634 261818

Dwg No.
CB 3043.02 REV. A

© COPYRIGHT C & B DESIGNS