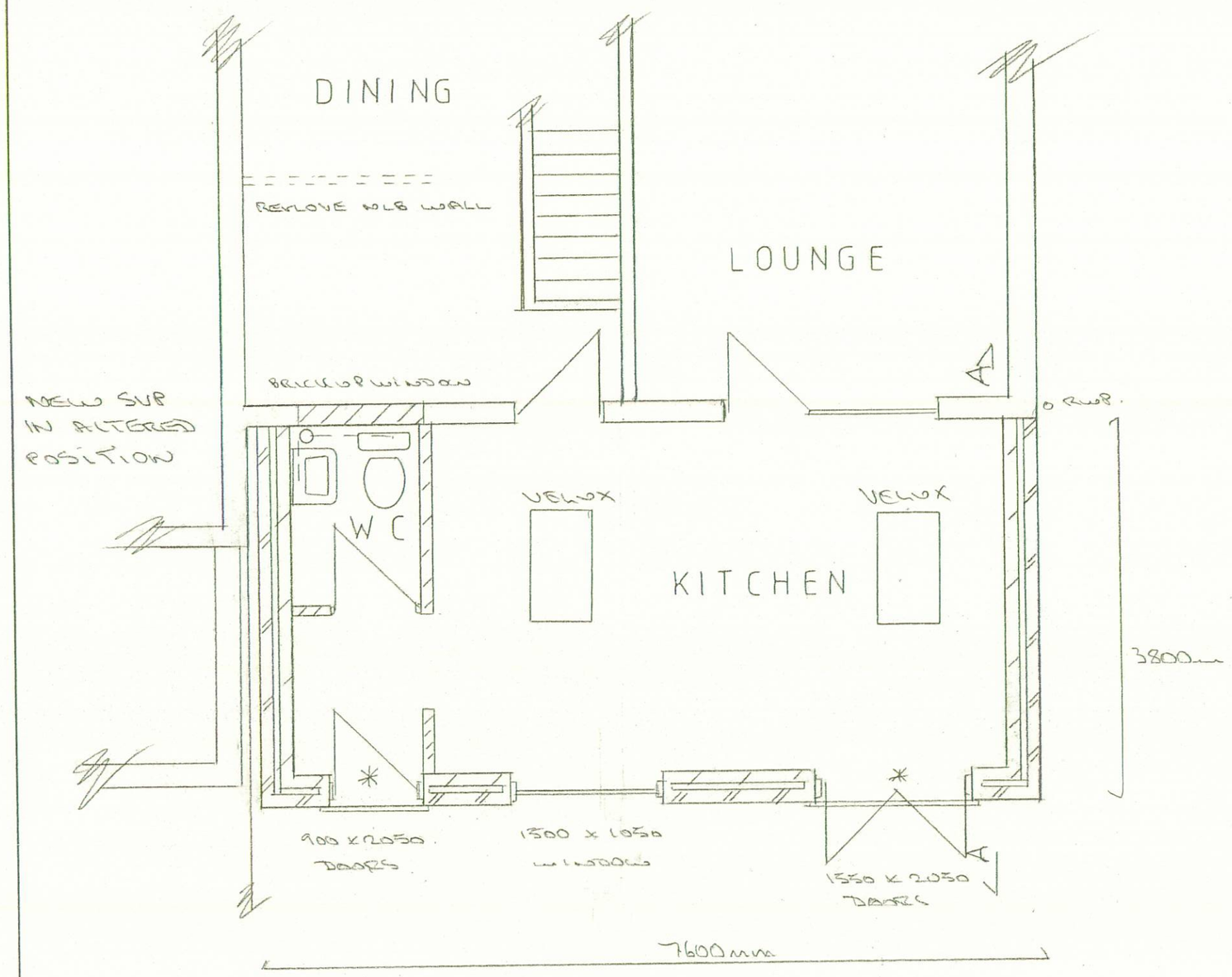
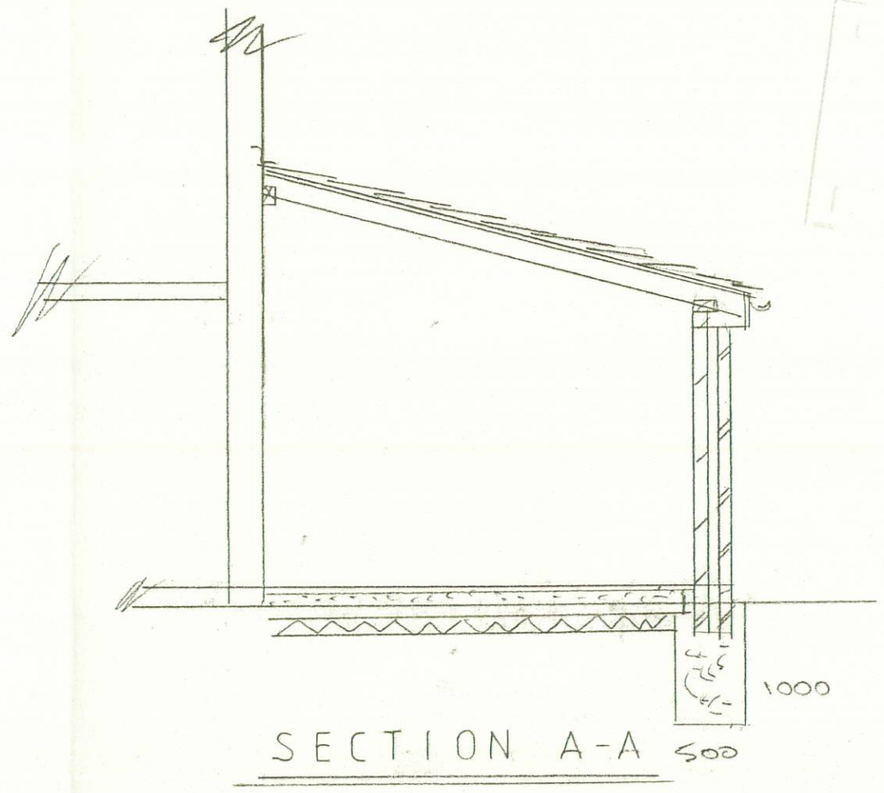
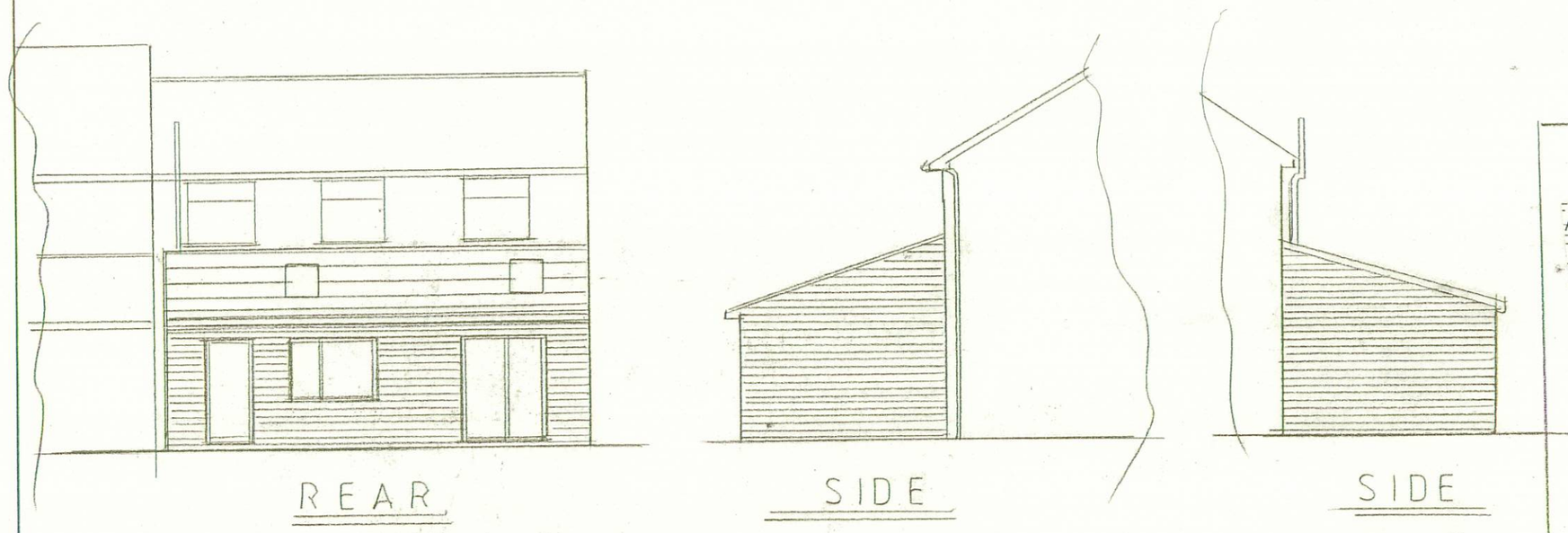
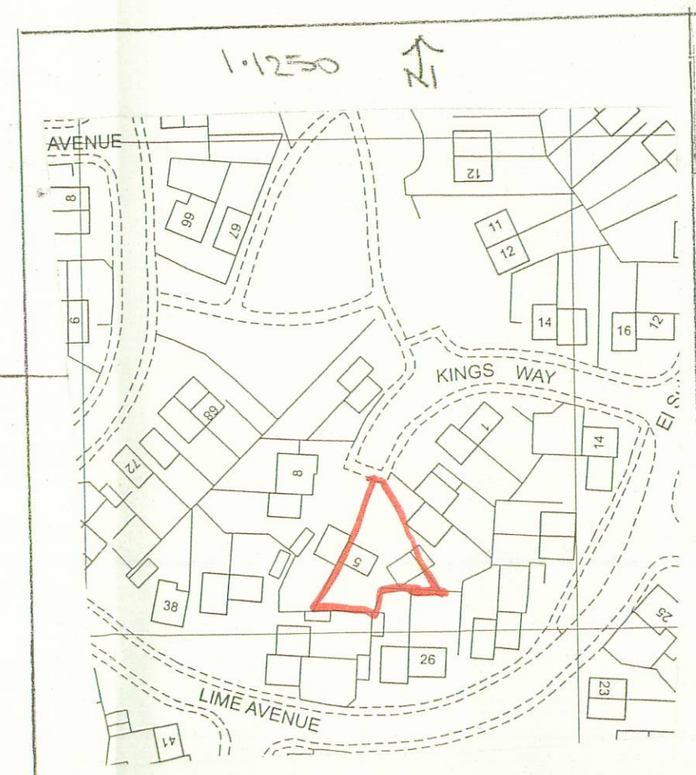


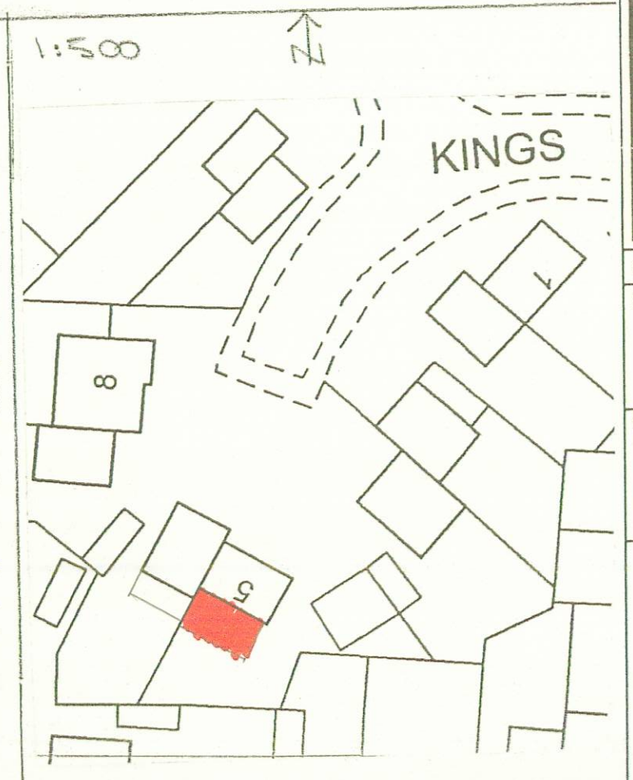


SECTION A-A



REAR SIDE SIDE





Foundations- Min' 1000 mm DP' & 500 mm wide conc strip. To invert of drains on firm subsoil. Minimum 2 course blue brick DPC external skin. Bitumen felt DPC internal skin and block walls. Ensure 225 mm clear cavity below lowest wall DPC.Floor and wall DPC continuous, minimum 150mm above ground level. Final levels to be agreed with inspector prior to backfill.

. **Floor** - U value 0.2, 150 mm sand blinded hardcore, 1200 gg poly DPM,+ 500gg DPM, 100mm Cellotex or similar floor Ins', with 20mm over below screed. 100 mm OS conc. , 50 mm screed float finish. Floor ins" continuous with wall ins".

Walls - 300-mm cavity walls.0.3 U value. Facing brick to match house, 100 mm cavity filled with drytherm, Celcon blocks, 2course blue brick DPC ext skin, bit felt DPC int skin continuous with floor ins, plaster and skim walls, stainless steel cavity ties at 450 vertical & 750 horizontal centres, doubled up around doors, windows and corners, Minimum returns of 665mm. Close cavity at eaves with tray, at door and window reveals with thermabate. Insulated I.G lintels over Ext. doors & windows. R. C lintels over Int. doors & to protect drains, under walls. Tie in with furfix.

Mono roof- 0.2 U value, Open void no ceiling, Aprox 15 degree pitch. Redland regent tiles, 38 x 19 battens,Tyvec breathable felt, 175 x 50 rafters at 400 ctrs, (Double up around Velux.) birds mouthed and bolted to 100 x 50 wallplate at top and bottom. 90 mm Cellotex rigid ins between and 40mm over rafters . Plasterboard and skim .150mm lead flashing up stand at roof wall joint. 100mm gutter and 65mm down pipe to storm drain or soak away .(Check if acceptable to BRE 365 5M from property) Gable end lateral restraint ties at 1200mm ctrs across 3 rafters.

. **Plumbing & Drainage** – All to BSEN 12056. Under ground drains 100 mm Supasleeve(under dwelling 150 mm conc. protection & bed in 'P' gravel) Wastes 40 mm & 75 mm DP' resealing traps. Foul drains to fall 1: 40. Storm drains to fall 1: 80. SVP 100mm vinal taken 900mm above eaves.

Doors & Windows-UPVC double glazed, 16 mm air gap & 8000 mm ² trickle vents. Soft Low E coating. Rubber gaskets. (also loft hatch) . All glazing within 800mm of floor level to be safety glass BS6206.

* = safety glass BS6206.

All new radiators to have TRVs.

Thermally seal around all pipes and ducts passing thru external walls.

Do not encroach boundaries.

Check drains & dimensions prior to commencement

All work to local authority standards.

All rooms to have 1\20th floor area openable ventilation.

RSJs 150mm bearing onto 2 course blue brick padstones. 2 x 12.5 mm plasterboard and gypsum skim. Any Calculations necessary to be submitted 28 days prior to start of work.

All Electrical work to be NIC certified.

Part P- All electrical work to be installed and tested by qualified contractor prior to completion. BS 7671 certification. All new light fittings to be energy efficient .

Kitchen –Ventaxia = 30 litres per second air flow.

Smoke alarm mains fed with battery back up to be installed in hallway. To BS 5839-6-2004 Part B.

WC- Ventaxia 15 litres per second air flow connected to light pull cord. 15 minute overrun. 100mm air gap under door.

Drawing Title

SINGLE STOREY REAR EXTENSION. INT' WC,

DATE 4/09

DRAWING No:- 1498/4/09

SCALE:- 1: 50 1: 100

CLIENT:- MR. BOOT. 5 KINGSWAY, GROBY LEICESTER LE6 0YJ

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