

Foundations

Supply and fix minimum 200mm thick strip foundations in C20 concrete max in accordance with Local Building Control ; contractor may adopt trench fill if desired (and agreed with Building Control) to:

Walls up to ground level

Build new sub-structure brickwork in class PA engineering brickwork in 1:3 cement:sand with plaster up to DPC level to all new cavity walls.

Walls above ground

Cavity to be 102.5 facing brick work, 100mm cavity, 90mm collar hems/leaves 21 insulation (or equivalent), 100mm silexon standard block inner leaf with 12.5mm plasterboard on dabs to give a U value of 0.18 w/m2K. Movement joints to be staggered every 2250mm vertically in accordance with manufacturers recommendations. The cavity is to be filled with 225mm dense DPC.

Wall ties are to be stainless steel to BS EN48-1 & DD40-2 spaced at 750mm horizontally and 225mm vertically at reveals.

Internal block walls are to be 100mm standard block. Partition noggin @ 1/2 height 100mm x 50mm sw studs @ 400mm centres with horizontal noggin @ 1/4 height 100mm x 50mm sw studs @ 400mm centres above reveals. Include cavity Triv W-type wall holes at 500mm centres above dpc level to all elevations, including linels.

Extension Floor slab
150mm compact hardcore, 50mm sand blinding rolled to accept Visqueen, 1500 gauge Visqueen lapped to DPC, with 100mm Kingspan Thermafloor T770 insulation. Provide 38mm insulation between floor slab and wall perimeter. Provide A1/2 mesh @ 23 up from base. All to achieve U value of 0.18 W/m2K.

Holding down straps
300x5mm gpm straps fixed to wall plates at 1.2m centres and continued 500mm down walls, secured to floor joists with 100mm x 50mm sw studs @ 400mm centres, secured to masonry to restrain extension and porch roof.

Steel work

Refer to structural engineer design and calculations

Linels

Canic Co 90/100 linels over new openings to suit span plate bearing, wall construction and loadings with 150mm min. bearing. Entire linel is suitable for use in connection with brickwork in excess of 5m to be checked and supported by Structural Engineers calculations.

Cavity wall ties

100mm x 50mm sw studs @ 400mm centres with horizontal noggin @ 1/4 height 100mm x 50mm sw studs @ 400mm centres above reveals. Include cavity Triv W-type wall holes at 500mm centres above dpc level to all elevations, including linels.

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Riched roof structure
Supply and fix girters with downpipes. Include for all brackets, nonferrous forgings stop ends, beams and gutters as required (rainwater pipes and gullys) drainage. Gutter to accommodate falls of any magnitude.

Electrical Installations

All new electrical work to be carried out by NICEIC qualified electrical engineer in accordance with Part P of the Building Regulations and to current IEE Regulations.

Ventilation
Kitchen lighting to be provided to ensure 1500h lux area night ventilation. Allow for new / kitchen mechanical extraction to achieve min. 20l/s over hole to vent to outside air.

Windows & Glazed Doors

Double glazing to new openings to be 4x rated fixed (low E, soft coat and 50) with 20mm argon filled gap between panes (U value 1.4 W/m2C). Window and door set energy rating to be Band B or better.

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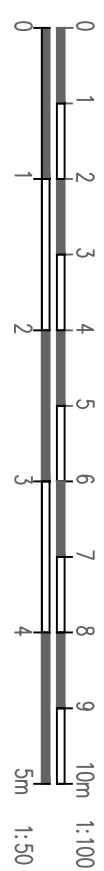
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Health & Safety Responsibilities
Health & safety responsibilities on site, and during all construction works associated with this owner. All site operative to be provided with and wear recognised protective clothing, head gear and equipment.



Rev A Roof Design Altered to LPA request **Sept 25**

Project
SIDE AND REAR EXTENSION TO 50 WOOD FARM HAY, STOCKBRIDGE VILLAGE, KNOWSLEY, L28 1RJ

Client
MR J D PAKKIYARASA

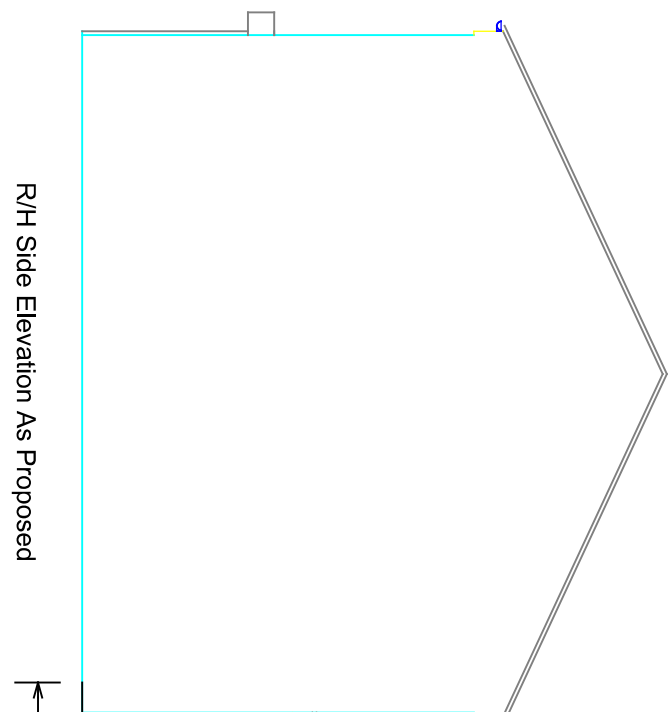
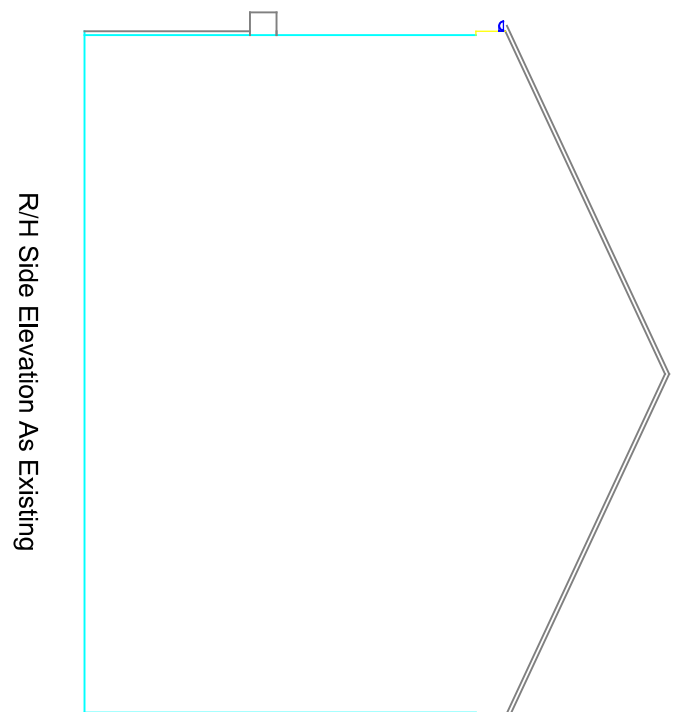
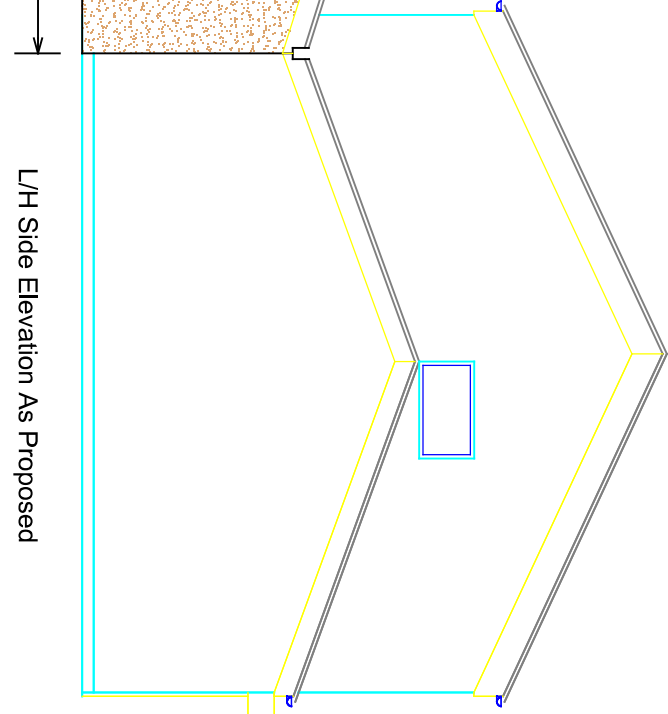
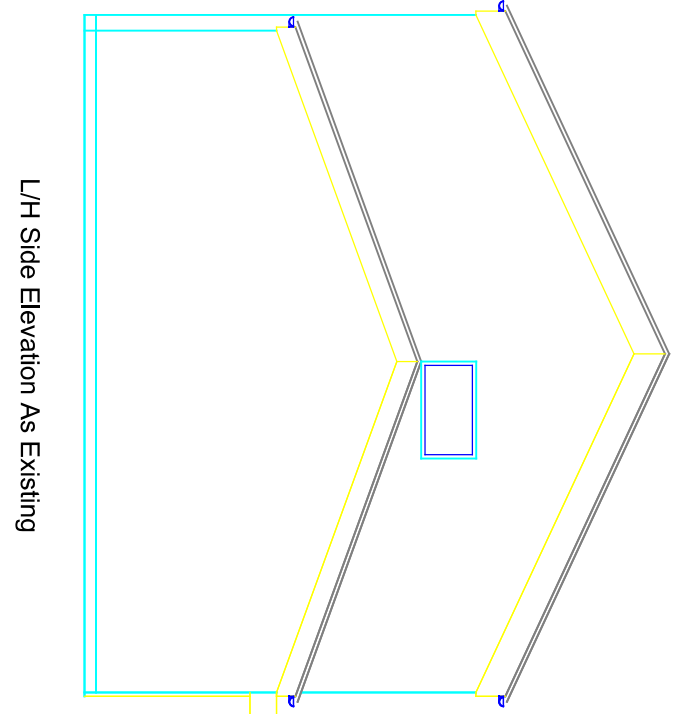
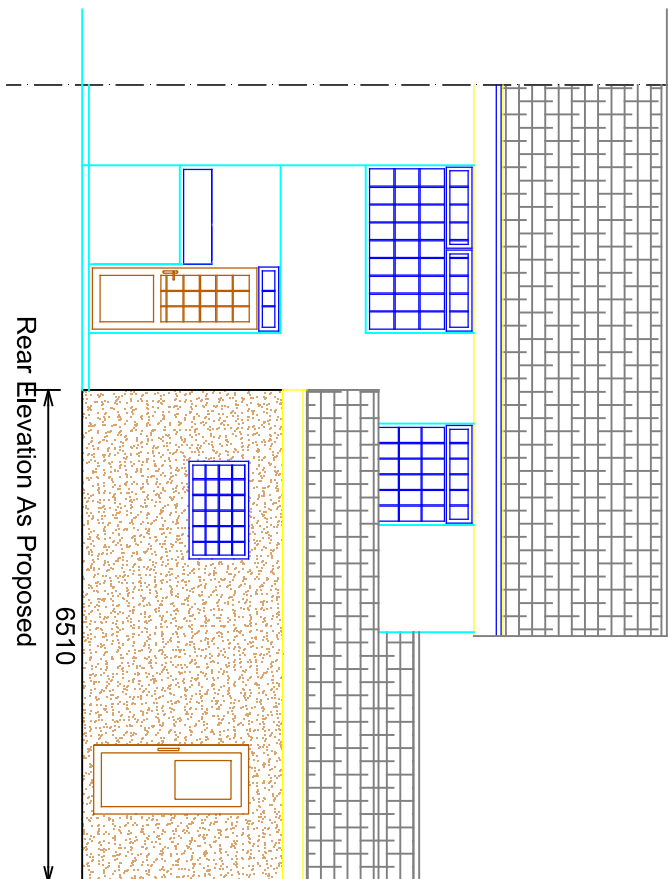
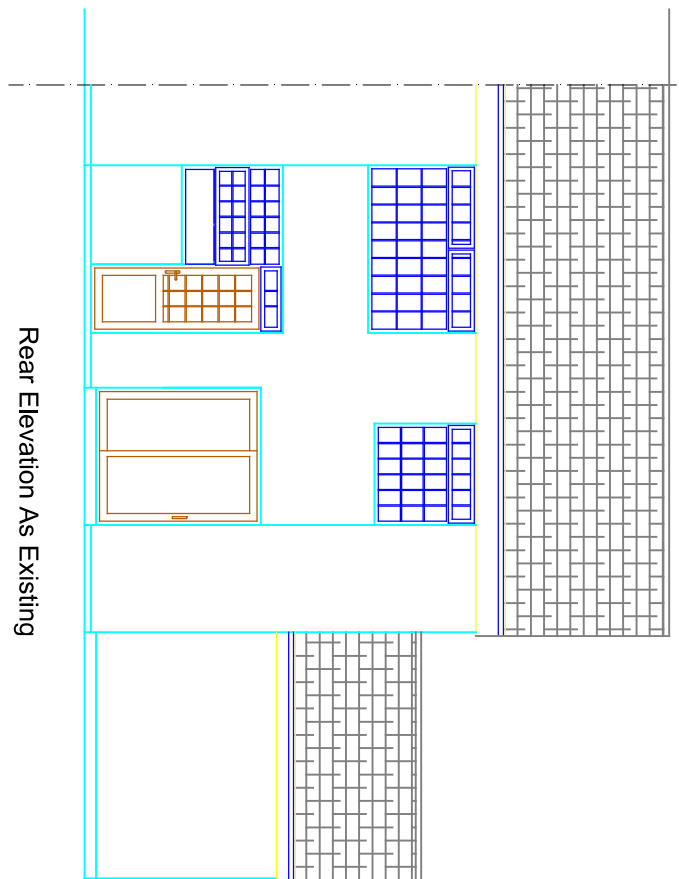
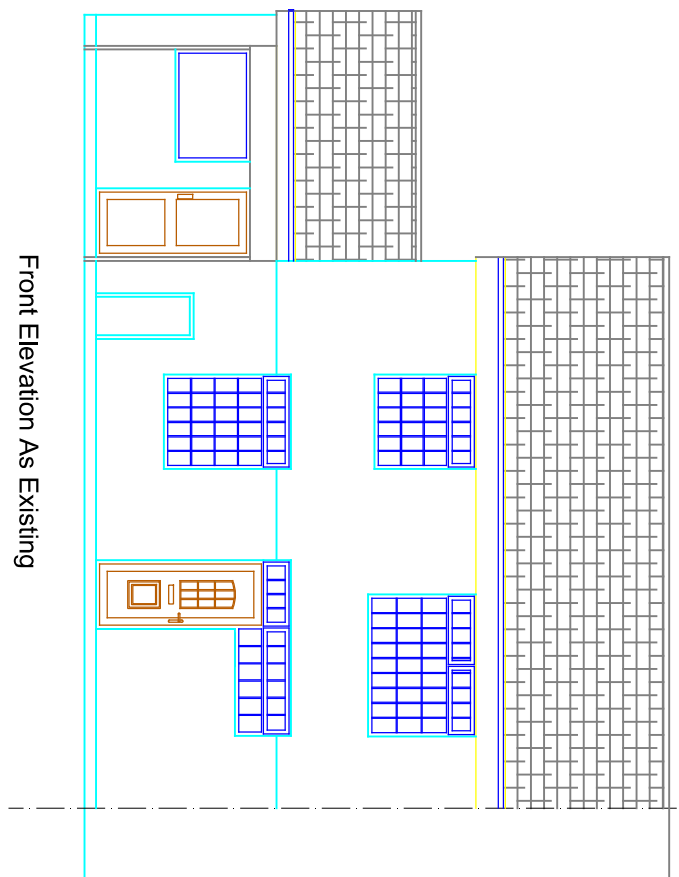
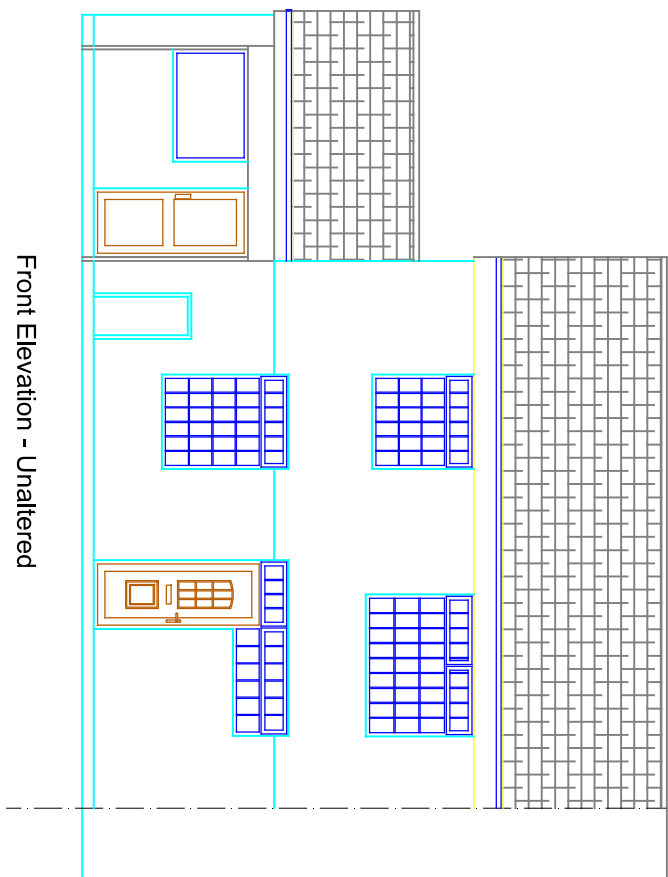
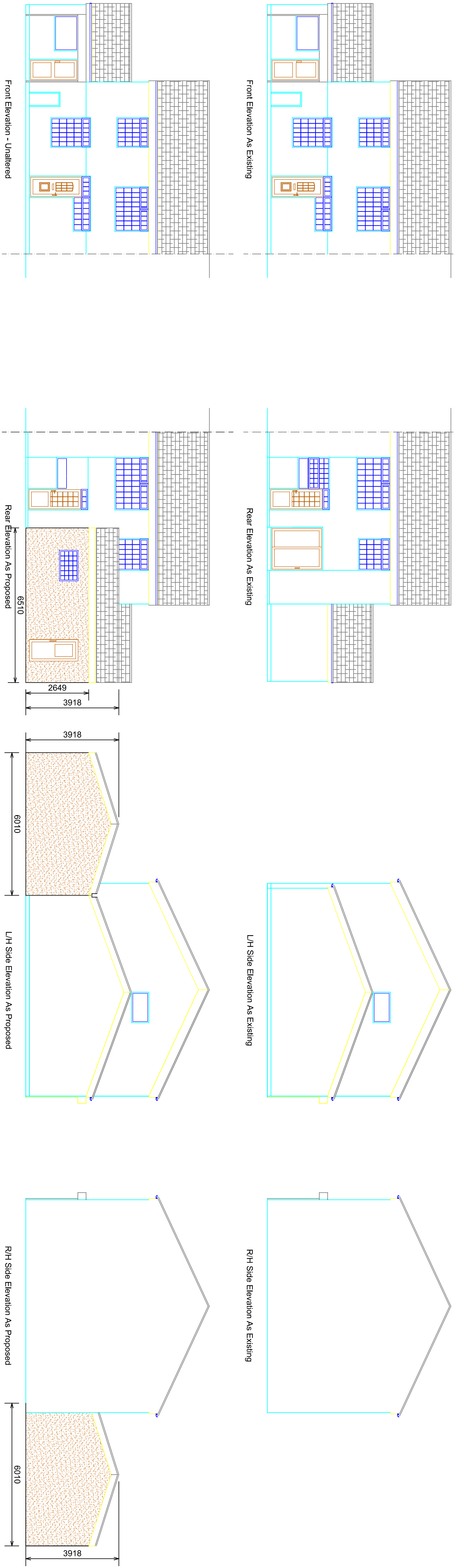
Contract No.	Dwg. No.	Revision	Scale	1:50 & 1:100	@ A1
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Drawing Title
EXISTING AND PROPOSED PLANS - REV A

MAT DESIGN LIMITED
Town Planning & Building Control Consultants

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Denotes Steelwork to Structural Engineers Design

