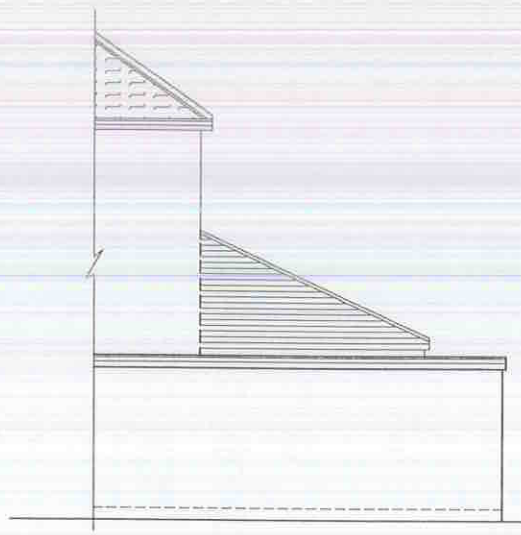


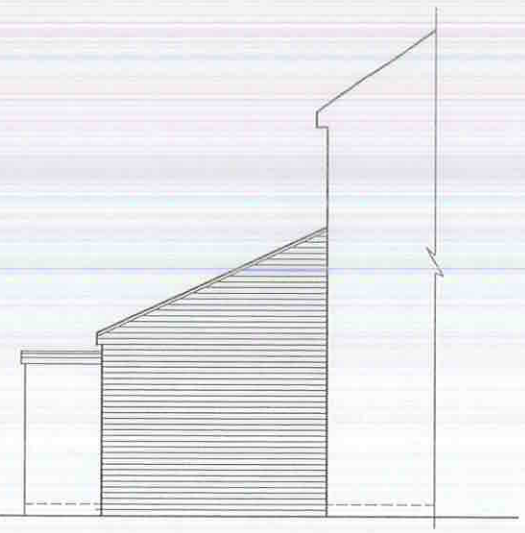
Existing Rear Elevation



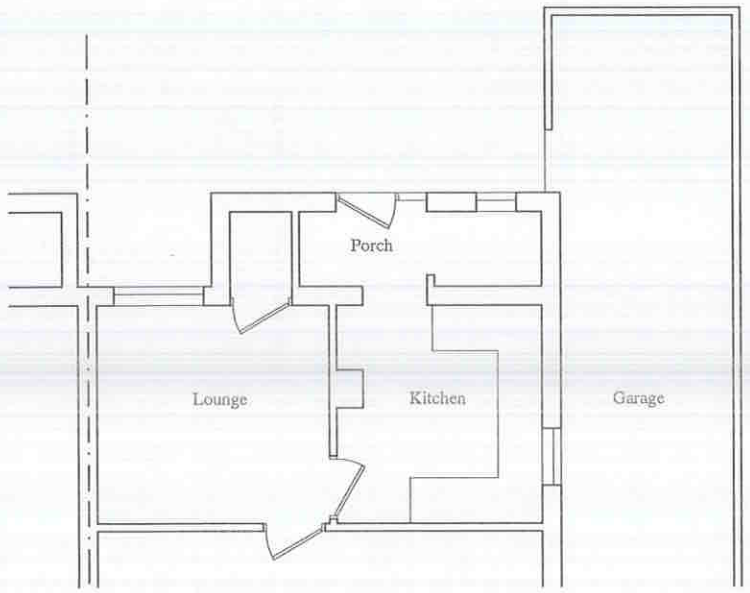
Proposed Rear Elevation



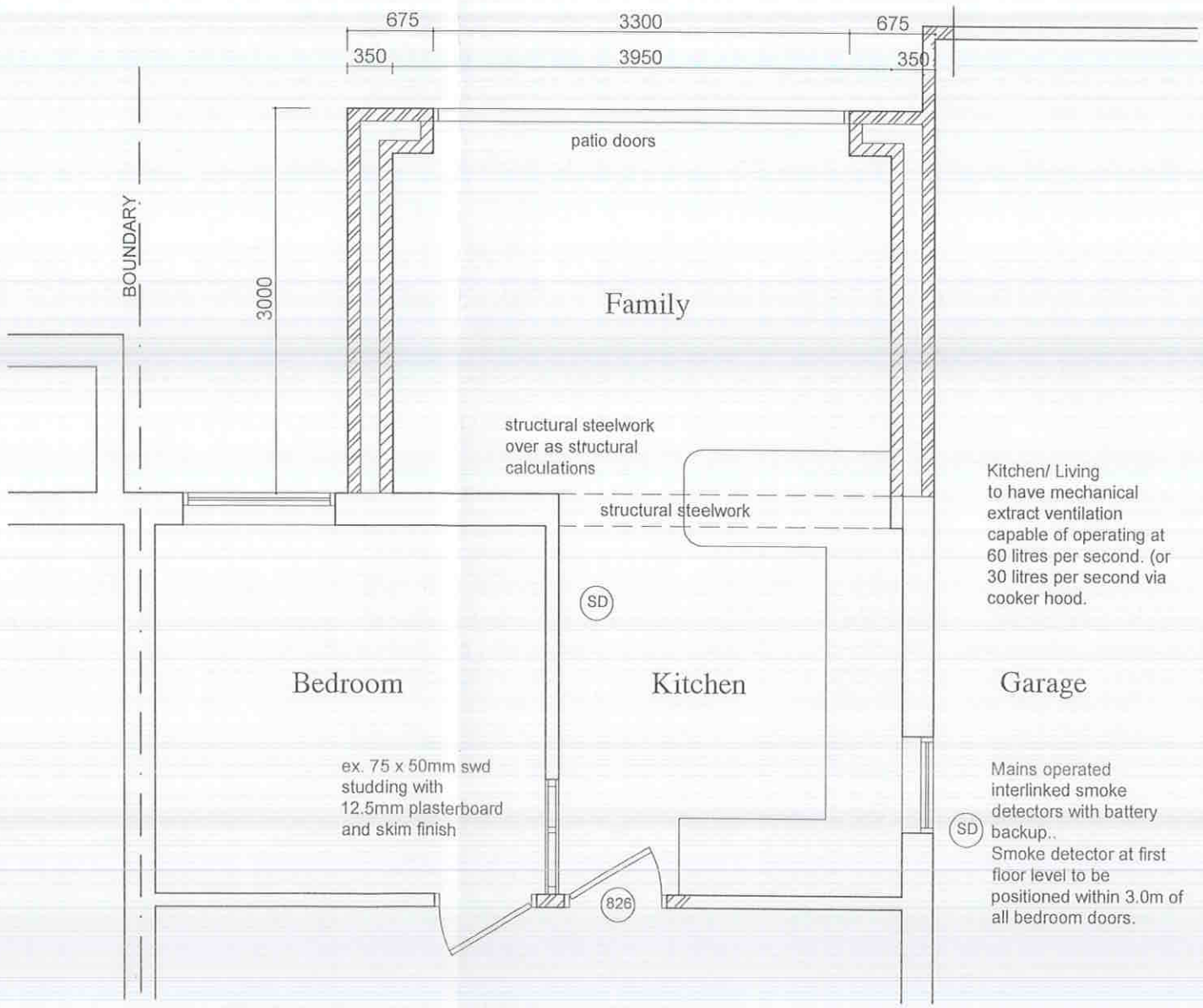
Proposed Side Elevation



Proposed Side Elevation



EXISTING GROUND FLOOR PLAN



PROPOSED GROUND FLOOR PLAN

NTR Design
& Build Limited

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212a Derby Road
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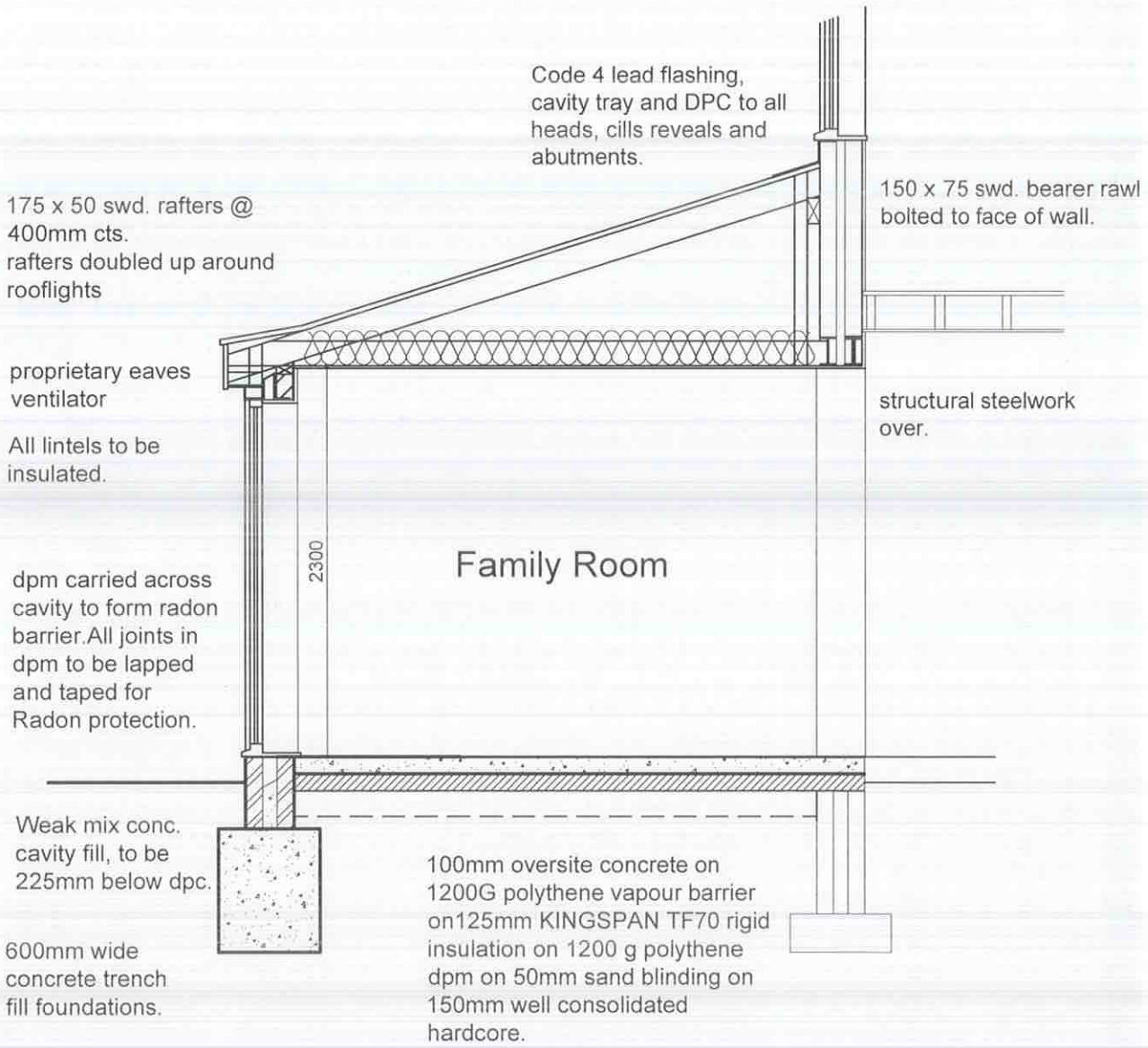
Project Title

21 STATION ROAD, CODNOR PARK, IRONVILLE. NOTTS. NG16 599

Drawing

PROPOSED SINGLE STOREY EXTENSION
PROPOSED PLANS & ELEVATIONS

Scale	Drawn By	Revision
1:50 1:100	NTR	
Date	Drawing No	
November 2026	DM1/11/26	



Section A.A.

Roof Construction:
Interlocking concrete roof tiles, colour to match existing and with 75mm tile lap on 50 x 25mm s/wd tiling battens nailed through TYVEC breathable roofing felt to 175 x 50mm swd. rafters @ 400mm cts., 125 x 50mm swd. ceiling ties @ 400mm cts.
100 x 50mm s/wd wallplate strapped to wall at max. 2.0m cts. using 30 x 2.5mm galvanised m.s. straps.Lateral restraint provided at gable wall by 30 x 2.5mm m.s. lateral restraint straps at rafter g level at max. 2.0mm cts. taken over 3No. rafters.

Cavity Wall Construction:
350mm cavity wall construction ,comprising of 100mm outer skin of facing brickwork to match existing, 150mm cavity (with 150mm DRITHERM cavity batts) 100mm inner skin of CELCON SOLAR blockwork or equal, all to give a 'U' value of not greater than 0.18w/m2°c. Both leaves of wall to be tied together with stainless steel wall ties @ 900mm cts. horizontally and 450mm cts. vertically or to a maximum of 225mm cts at openings. Lintels over structural openings to be CATNIC CG90/100 or equal with a minimum of 150mm end bearing. Vertical and horizontal dpc's to be fitted to all external openings. THERMABATE cavity closures to be used at all new external openings.

Ground Floor Construction:
100mm oversite concrete with powerfloat finish on 1200g visqueen vapour barrier carried across cavity to form radon barrier, on 125mm KINGSPAN TF70 rigid insulation with a 25mm upstand of insulation to perimeter, on 1200g visqueen dpm on 50mm sand blinding on 150mm well consolidated hardcore.

Windows:
All new windows to be fully double glazed and to have trickle vents providing 8000mm2 ventilation. Windows to provide 1/20th floor area opening lights and 1/10th floor area glazed. Windows to be draught proofed and have a air gap of 16mm.
Double glazing to be 16mm air space units (24mm width overall)filled with argon gas, with a Low - E soft coating to achieve a U value of 1.60 W/m2 K.
All new doors and windows to be glazed with Pilkington K glass.

Foundations:
21N/mm2 concrete trench fill foundations 600mm wide, taken to same depth as existing, minimum 1.0m .

Drainage:
112mm half round guttering comnnected to existing guttering.

General:
All electrical work to meet the rquirements of Part P (Electrical Safety) and must be designed,installed,inspected and tested by a person competent to do so. An appropriate BS7671 Electrical certificate to be issued by a person competent to do so.

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Drawing
PROPOSED SINGLE STOREY EXTENSION
PROPOSED SECTION

Scale	Drawn By	Revision
1: 40	NTR	
Date	Drawing No	
November 2026	DM2/11/26	