PROPOSED SINGLE-STOREY REAR EXTENSION TO PROVIDE A LOUNGE DINING AREA

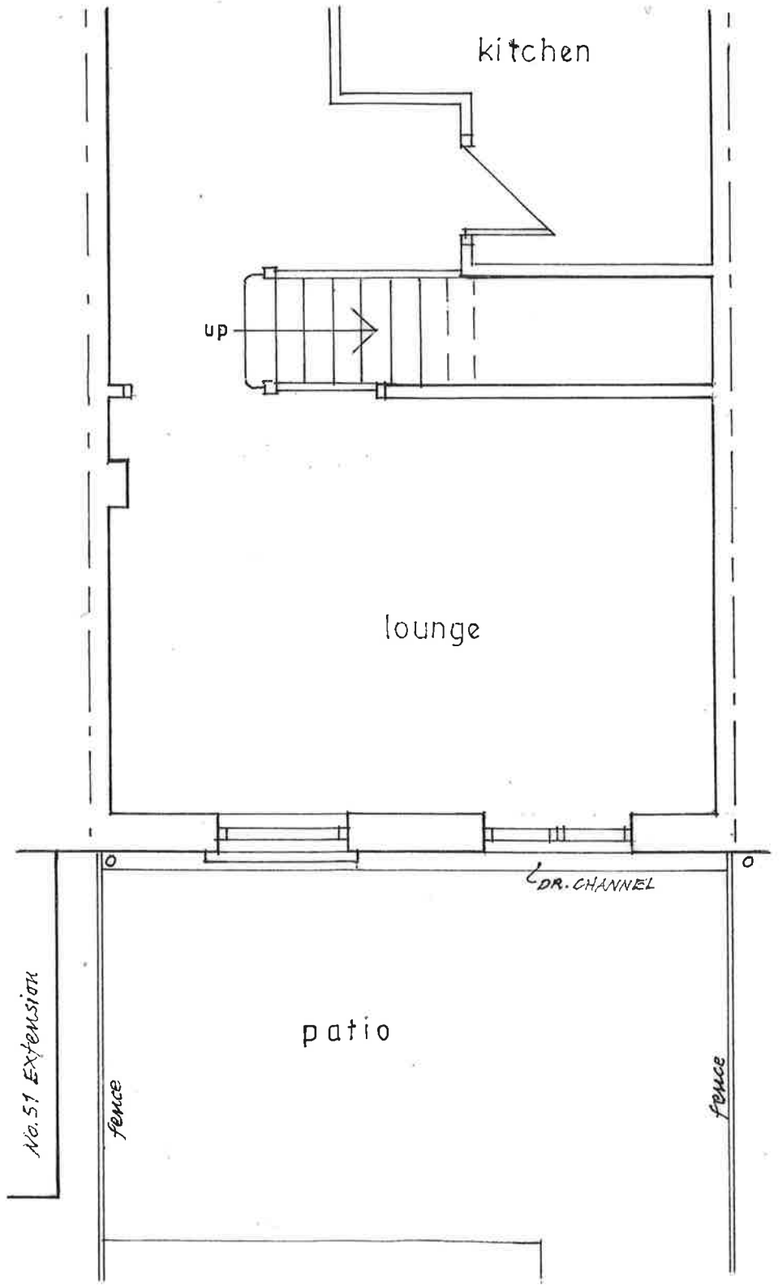
SITE: 49 GREENSIDE DRIFT, SOUTH SHIELDS NE33 3ND

CAVITY WALLS
Red brickwork outer leaf to match the existing house brick. 100mm cavity filled with insulation board with a thermal conductivity of 0·32 w/m²K. 100mm Concrete blockwork inner leaf with a conductivity of 0·15 w/m²K, and a 52·2 insulated PIR plasterboard finish (40mm PIR + 12·5mm plasterboard). Cavity insulation to be taken right to the top of the cavity. Stainless steel wall ties at 5 No. per M², at 750mm vertically and 450mm horizontally. Horizontal damp-proof course min. 150mm from the 'finished' ground level. Horizontal and vertical dpc's to all openings. Close cavities at the jambs with insulated cavity closer. U-value to the walls to achieve 0·18 w/m²K.

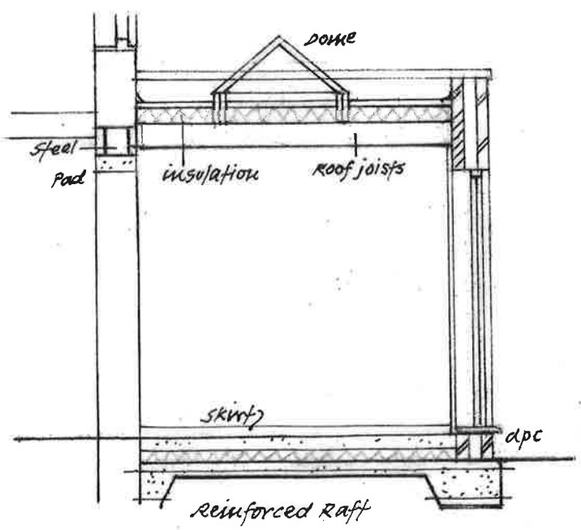
FOUNDATIONS
A reinforced raft is required for the extension. Calculations are to be provided to Building Control for the steel dimensions and their bearings.



existing rear elevation 1:50



existing ground floor 1:50



section 1:50