

PROPOSED EXTENSION

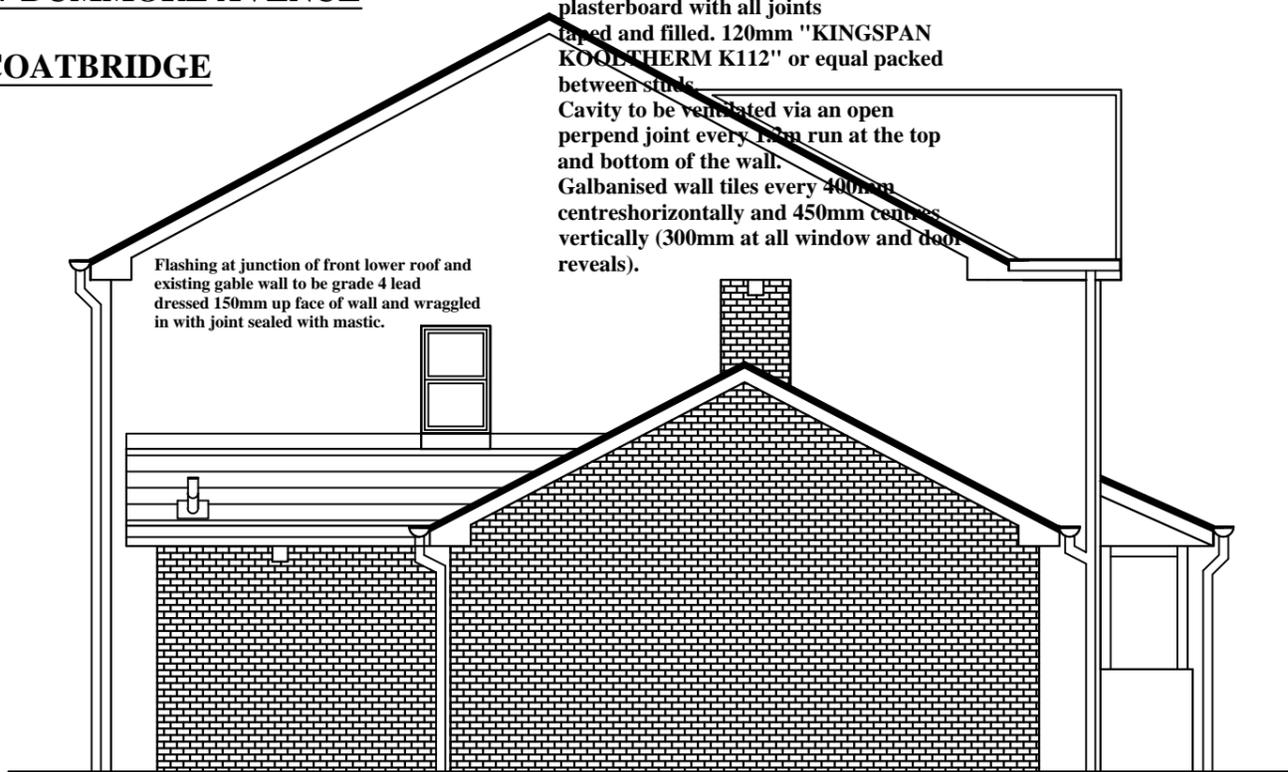
TO DWELLING AT

57 DUMMORE AVENUE

COATBRIDGE

Existing bathroom window to be blocked up using 100mm facing brickwork (to match existing), 50mm cavity, internal leaf of "KINGSPAN NILVENT.17" breather membrane on 19mm thick sheathing ply on 140x50mm C16 grade timber studs @ 600mm centres lined with polythene vapour barrier and 12.5mm plasterboard with all joints taped and filled. 120mm "KINGSPAN KOOLTHERM K112" or equal packed between studs. Cavity to be ventilated via an open perpend joint every 1.5m run at the top and bottom of the wall. Galbanised wall tiles every 400mm centres horizontally and 450mm centres vertically (300mm at all window and door reveals).

Flashing at junction of front lower roof and existing gable wall to be grade 4 lead dressed 150mm up face of wall and wraggled in with joint sealed with mastic.



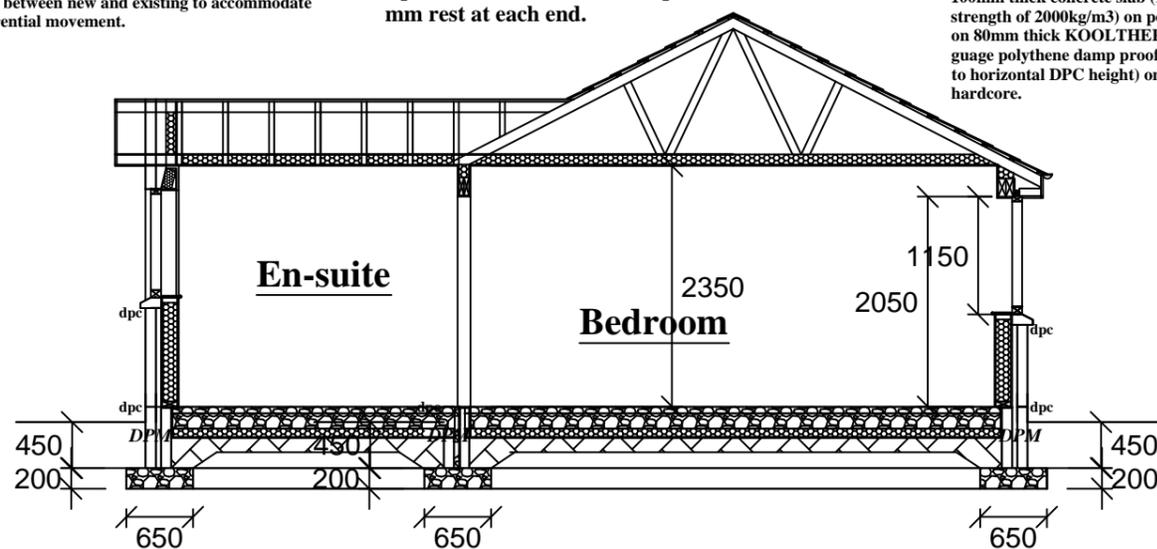
PROPOSED SIDE ELEVATION (1:50)

Foundations to extension and infill panel to be concrete strip foundations designated mix RC 30 (of dimensions shown) laid at level of existing foundation or 450mm below existing or finished ground level whichever is the lower, on ground with a safe allowable bearing capacity of 75 KN/m². If an excavation non-traditional foundations are exposed a Structural Engineer to be consulted immediately. Flexible movement joint to be fitted between new and existing to accommodate differential movement.

New lintols over window openings to be 2 Nos 200x50mm C16 grade timber joists bolted together using 8mm diam. rawlbolts at 600mm centres, supported on 2 No. 100x50mm C16 grade timber cripple studs on inner leaf. On outer leaf to be "CATNIC TYPE CN29" or equal bedded in mortar and provided with 150 mm rest at each end.

Underbuilding walls to be two leaves of External leaf of 100mm thick brickwork, 50mm cavity, Inner leaf of 140mm thick dense block (&.3N) Cavity to be filled upto ground level with lean mix concrete. External leaf to be of 100mm thick facing brickwork (to match existing) above ground level upto ground floor height.

New ground floor to be 65mm sand/cement screed on 100mm thick concrete slab (1:2:4 mix with minimum strength of 2000kg/m³) on polythene separation layer on 80mm thick KOOLTHERM 103 insulation on 1200 gauge polythene damp proof membrane (dressed up to horizontal DPC height) on 100mm thick consolidated hardcore.



PROPOSED SECTION (1:50)

50x50mm SW timber cavity barriers to be provided at every cavity junction and head. Also provided at all floor levels. "Thermabate" or equal insulated cavity barriers to be provided around all new door and window openings.