



DRAINAGE; All new & existing drains to be encased in 150mm concrete and bridged by RC lintels where passing through walls/foundations. All new drains to be bedded in 150mm pea shingle.

EXTERNAL WALLS; 112mm brick external skin, 85mm Dritherm cavity batts and inner skin of 100mm thermalite turbo blocks (1:1:6 mortar). Insert galv. wall ties @ 450mm CRS vertically and 900mm CRS horizontally and at every block at reveals to all openings and at floor level @ min. of 150mm above g.l. and lapped into existing DPC.

FLOOR; Min. 150mm consolidated hardcore with 50mm sand blinding with 1200 gauge DPM over and min. 125mm concrete floor with A193 mesh, 1:2:4 mix. Finish floor with a 65mm screed with chicken wire mesh at mid depth on 120mm Celotex insulation on 500 gauge polythene. (Void below floor to be made up with hardcore backfill)

PITCHED ROOF; 50 x 175mm rafters @ 400mm CRS and 50 x 150mm ridge with 19 x 38mm tanalised roofing battens on roofing felt. Ceiling joists to be 50 x 175mm C24 timbers @ 400mm CRS with 12.5mm f/b plasterboard & skim. Provide 250mm glass fibre insulation between ceiling joists and provide continuous Glidevale□ strip vents in soffit for ventilation of new pitched roof.

VENTILATION; Provide min. ventilation opening to all rooms of 1/20th of floor area.

STEELWORK; Provide half hour fire protection to all new steel beams with 2 layers of 12.5mm

of 1.6w/m2k)

1. RW to connect to ex surface water system if available or soakaway @ 5m away if no sw drain available (6m in clay soil) (100mm upvc u/ground drain @1:40 fall to soakawaymin. 1m x 1mx 1m deep with hardcore backfill for adequate rainage of rainwater, & top soil over)
2. Sink waste 40mm w/pipe with 75mm deep seal trap with rodding eye at bends/changes of direction
3. D/glazed windows to achieve min U value of 1.6 W/m2K for timber or plastic frame
4. Energy efficient lighting to be provided in acc. with AD 'L'
5. All new drainage in 100mm upvc bedded in 150mm pea shingle all around, 1:40 fall
6. Cavities to be closed with an insulated cavity closer (i.e. Thermabate)
7. Use 120mm Celotex floor insulation to achieve max. U value of 0.25W/m2K
8. All new glazing to comply with app. doc. 'L' with argon filled glazed units, 'K' glass
9. Ventilation to existing timber floor of house to be maintained with 150x225mm pvc air bricks in new extension ducted through new concrete floor to ex airbricks with min 100 sq. mm cross sectional area of ducting @ max 1.8 metre ctrs
10. SR cement to be used for all work below ground level & below DPC
11. DPC to be lapped into existing DPC of house & kept at 150mm above adjacent ground level
12. Foundation depths in accordance with current Zurich guide with 50mm claymaster on inner face of foundation where depth in excess of 1.5m
13. Foundation concrete to be min 1:2:4 mix with S.R. cement
14. New cavity wall to be connected to existing with Furfix wall connector
15. New roof to connect to cavity wall with 30x5mm m.s. restraint straps @ max. 1.8 mtr ctrs fixed to wall plate

	Drg. No. STV/1809	
No.	Revision /Issue	Date

Firm Name and Address

Project Name and Address

<p>Project first floor side/rear extension & front porch</p>		Sheet
<p>Date 12-10-21</p>		02
<p>Scale 1:50</p>		