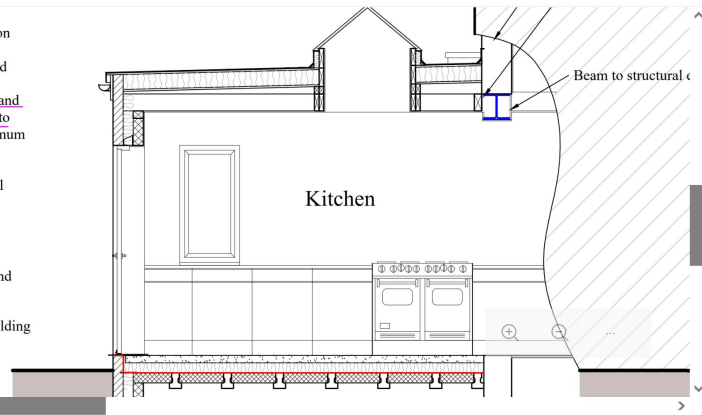


BLOCK AND BEAM WYE - Section D-D

Ground Floor:
 75mm cement/sand screed on 500 gauge polythene separation layer on 100mm CelotexGA4000 insulation on 1600 gauge sheet visqueen combined DPM and Radon barrier membrane over concrete beam and block floor to BS110 to manufacturers specification and installation details. Radon membrane to be continuous with radon cavity barrier and existing damp proof membrane. Minimum 150mm void below floor to 50mm sand blinding on 1200g sheet polythene vapour barrier. Maximum U-value for Ground Floor 0.18W/m²K (actual required 0.18W/m²K). Ground below floor treated with pre-emergent weed killer. 225mm brickwork below internal load bearing walls. Damp courses below all floor bearings. 225x75mm telescopic air bricks at 1.8m centres to ventilate suspended floor void. Cavity trays to be provided over the telescopic sub floor vents.

Floor ventilation to existing suspended floor void to be maintained and continuous with extension floor ventilation.

Beam and block floor design to be submitted to and approved by Building Control prior to installation.



details. Radon membrane to be continuous with radon cavity barrier and existing damp proof membrane. Minimum 150mm void below floor to 50mm sand blinding on 1200g sheet polythene vapour barrier. Maximum U-value for Ground Floor 0.18W/m²K (actual required 0.18W/m²K).



Fig 1



Fig 2 Cavity is dry but the extension has water – is this surface water or water table?



Fig 3 Existing DPC under dining area in the original house



Fig 4 – water on inside but not outside.



Fig 5 previous week water on inside but not on outside.



Fig 6 Old conservatory the floor beneath the wooden beams is concrete over a membrane and this showed no sign of water ingress. The trial pit holes showed the water table height