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Method Statement for Basement Works

- 1) Remove sliding / opening doors and fixed glass panels at ground floor. Put to one side for re-use.
- 2) Install 203UC46 beam between existing party walls, under retained steel post. Drive in steel shims to ensure a tight support.
- 3) Excavate to rear and left hand side, installing trench sheeting - say 250 wide sheets at 1m c/c, vertically, propped off existing structure, using 'Accro' props or similar approved.
- 4) Continue excavating, lowering the trench sheets as excavation continues. Release one prop at a time, to lower that particular trench sheet to excavated level and tighten up the prop before moving on to the next trench sheet.
- 5) On completion of the excavation, provide A393 mesh reinforcement to top and bottom of base slab, 75mm cover against earth, 50mm cover to top. Provide T12 bent bars at 200mm c/c, as wall started r bars. Each leg to be 1200mm long, overall length 2400mm.
- 6) Cast base slab, 300mm thick, C30 concrete, will be vibrated to ensure good compaction.
- 7) Place polythene strips against trench sheets
- 8) Reposition 'Accro' props to facilitate wall construction.
- 9) Provide A393 mesh reinforcement to each face of 300mm thick concrete walls, 75mm cover to external face (earth side) and 50mm cover to inside face, with T10 corner bars at 200mm c/c, vertical spacing. Each leg 600mm overall bar length 1200mm. Provide the same corner bars along the top edge for roof slab construction.
- 10) Provide ply shuttering, suitably braced, to inside face of wall.
- 11) Cast concrete wall, 300mm thick and vibrate for compaction.
- 12) Shutter roof slab, reinforce with A393 mesh, top and bottom, cover 500mm each face. Overall thickness to be 250mm. Provide appropriate propping to shuttering.
- 13) Cast concrete roof.
- 14) After 14 days or when concrete has achieved adequate strength, remove props and shuttering. Extract trench sheeting.