



P2000078

University of London - Senate House

Structural Specification - Enabling Works

SPC S 001_EW

FIRST Issue

Building Design Partnership

Date: 18/08/2006

Revision: -

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FORMATION OF HOLES IN NEW RISERS

1. Examination of available archive drawings and a limited number of intrusive surveys have shown the existing floor construction at the various floor levels in the areas of risers R1.1 and R3.1 to comprise the following:-
 - 32mm thick teak floorboards supported by
 - 100 x 50 timber joists at 330 crs. supported by
 - 100 x 75 cross timber joists at 1300 crs. supported by
 - 95 x 75 x 230 concrete stools at 775 crs. supported off
 - Concrete rib and hollow pot construction, 185 thick, spanning on to concrete cased steel beams or load-bearing brickwork. Hollow pots 250 square x 150 deep approximately. Main concrete ribs 100 wide at 350 crs.
2. In the area of riser R4.1 the archive information indicates a floor finish thickness of 90mm over the standard concrete rib and hollow pot construction. No details are available of the make-up of the finish.
3. At each location and level of the new risers establish the layout of the concrete rib and hollow pot construction by the removal of ceiling plaster from the soffit of the floor.
4. Carefully remove hollow pots as shown on the structural drawings using non-percussive drilling. Leave surrounding concrete and hollow pot surfaces clear of any projections or protrusions using hammer and chisel.
5. Carefully remove remaining 35mm concrete thickness non-percussive stitch drilling. Leave surrounding concrete surfaces clear of any projections or protrusions using hammer and chisel.