

Listed Building Consent 2007/5230/L
Condition 21 a (xvii) Rev B
25 November 2009

**METHOD STATEMENT FOR THE RAISED FLOOR INSTALLATION
FIXED ONTO THE EXISTING TIMBER FLOOR IN
THE GRANARY BUILDING**

Nature of the Proposal

To advise how a new raised floor is to be installed off the original timber suspended floor, in the Granary Building.

Reason

To comply with Planning Condition set out under the Listed Building Consent 2007/5230/L Condition 21-a-(xvii).

Method Statement Sequence

The Granary Building is being refurbished to accommodate a library and office use. The existing timber floor structure is being retained. The buildings new life will require considerable electric, voice and data services. It is proposed that these services are laid in a containment system located off the existing timber floor. These services will be protected using a raised floor system.

The existing boards are worn and uneven. The existing surface would be unsuitable for an office or library environment.

The consultant acoustician has advised that to comply with noise reduction regulations for offices an acoustic raised floor is required. The acoustic raised floor will be constructed in accordance with the sequence set out below.

- The existing floor will be marked out identifying the position of the acoustic bases
- The acoustic bases are placed on the existing floor. To prevent the passage of noise the bases are not fixed into the existing floor,
- Packer pieces are slotted into the acoustic base until the required height is achieved.
- A timber batten, carrier rail, is placed into the formed packer piece ready to receive the new floor structure. Spacers are inserted under the timber batten for finite adjustment.
- Timber battens on packer pieces clipped into acoustic bases are placed at 600mm centres.

- A 16mm cementitious particle board is screwed to the timber battens. This board is tongue and grooved. The tongues of each board are glued before being inserted into the groove of the adjacent board.
- The cementitious particle boards are then covered with a 2mm polyethylene membrane
- A 22mm tongue and groove particle board is then overlaid on the polyethylene membrane. The board joints of the upper board are staggered half bond with the lower layer. This board is screwed through the cementitious board into the timber batten. The tongue of every board is glued before inserting into the groove of the adjacent board.
- This process is repeated over the whole floor.
- Access to floor electric boxes is provided by manufactured holes within the boards.
- The abutment to the walls is stopped 10mm short of the structure. This 10mm gap provides for thermal movement within the floor and building. The gap is filled with a compressible strip of polyethylene membrane. The filler also maintains the acoustic performance of the floor.

Junctions with Raised Floor Detailed

- Junction with glass table top first floor lightwell typical details detailed on drawing A2700
- Junction with lightwell, second floor fan coil unit detailed on drawing A2701
- Junction with lightwell fan coil unit, typical detail detailed on drawing A2702
- Junction with the lightwell, first floor, typical details detailed on drawing A2704
- Junction with lightwell details, first floor glazed table top detailed on drawing A2705
- Junction with the lightwell, typical detail short side detailed on drawing A2707
- Junction with the existing cast iron columns are detailed on drawing A2712
- Junctions with the new slot window (loading bay doors) and detailed on drawing A2778

Attached Drawings and Schedules

- Weedon Partnership Drawings

15900/G/A1026/4	Proposed First Floor – Floor Finishes
15900/G/A1027/4	Proposed Second Floor – Floor Finishes
15900/G/A1028/4	Proposed Third Floor – Floor Finishes
15900/G/A1029/4	Proposed Fourth Floor – Floor Finishes
15900/G/A1030/5	Proposed Fifth Floor – Floor Finishes
15900/G/A/2712/1	Typical Column Footing
15900/G/A2700/6	Lightwell Details ref Glass Table Top
15900/G/A2701/9	Lightwell Details ref Second Floor Fan Coil Unit
15900/G/A2702/9	Detail Sections ref Typical Lightwell Fan Coil Unit
15900/G/A2704/6	Lightwell Details ref First Floor Details
15900/G/A2705/8	Lightwell Details ref First Floor Glazed Table Top



15900/G/A2707/6

Lightwell Details ref Typical Floor Short Edge

15900/G/A2778/6

South Elevation Glazing Slots, Typical Slot Edge Detail

Electrical Services

The raised acoustic floor is fully fixed when laid. Access beneath the floor is only accessible from the manufactured holes which are provided to access the electrical containment fixed beneath the floor.

All works will be supervised by a competent supervisor.

No deviation is to be made to this method statement without it being confirmed in writing by the Construction Manager of BAM Construction.