

Condition 7F: Intrusive Investigations

References:

- Fosroc Renderoc Data Sheet
- Non-Destructive Test of Concrete Structures Using: FERROSCAN

Drawing reference:

- Floor Investigation Works Marsden St & King St Blocks Roof & 4th Floor Levels, PM-DWC-XX-DR-S001
- 6911-SRA-ZZ-04-DR-A-20104_ 3rd-4th floor
- 6911-SRA-ZZ-10-DR-A-20110_5th-10th floor

Intrusive investigations are required to determine the buildings structural capacity. The requirements for intrusive surveys is mitigated through the use Ferro scan techniques not requiring intrusive works, (methodology attached).

These will be limited to the minimal requirement as advised by the Structural Engineer.

The proposals for Intrusive investigations are limited to the following areas.

- Down stand beams to Structural Slabs level 4 and roof (Drawing attached)
- Existing Flue Riser. Level 10 (sketch attached)

Downstand Beam Investigations: Methodology

Mobile tower scaffold platforms will be used to access the area identified on the drawing. The breaking out of the existing concrete will be completed using small handheld breakers to mitigate damage to structural components of the structure.

A photographic record will be maintained, and the area offered up to structural engineers to complete an assessment of the exposed structure.

A Concrete repair will then be completed using material specified by the structural engineer Fosroc Renderoc HB 40, (specification attached).

Care will be taken with the repair to match the existing concrete finish.

Please refer to drawings:

- PM-DWC-XX-DR-S001
- 6911-SRA-ZZ-04-DR-A-20104

Existing Flue Riser (Level 10): Methodology

Opening of the existing flue riser is required to accommodate removal of existing flues and installation of new services.

Exploratory work will be undertaken sympathetically using Diamond Drilling techniques. A series of 150 mm cores will be taken to determine wall thickness and Construction. Please refer to drawing 6911-SRA-ZZ-10-DR-A-20110.

If required the core holes will be filled with Fosroc Renderoc HD 40.

