

Method Statement for Installation of Additional Air Conditioning at Margam Crematorium

Tim Edwards, March 2024

Introduction

This document has been prepared following approval of Listed Building Consent Reference P2023/0779. Its purpose is to address a Pre-commencement condition of approval.

Pre-Commencement Conditions

3. No works shall begin until a method statement for the installation of the air-conditioning units has been submitted to and approved in writing by the Local Planning Authority. The method statement shall include details of how the air-conditioning units will be installed and fixed to the building and the measures to be taken to secure and protect the interior and exterior features against accidental loss or damage. The work shall thereafter be carried out in accordance with the approved method statement.

Reason:

In the interest of protection of the Listed Building and to comply with Policy SP21 of the Neath Port Talbot Local Development Plan.

The NPTCC Mechanical and Electrical department have developed equipment and fixing details in collaboration with F&T Refrigeration Ltd. noted in the following documents:

- Margam Crem-RAMS 41
- Margam-M01
- Margam-M02
- Daikin FTXM-N
- Daikin FUA-A_RZASG_Datasheet_112AA

Method Statement for the Installation of Air-conditioning Units

1. Office, Air conditioning

Equipment, locations as drawing M01:

- 5 nr. air conditioning units located as dwg. Margam-M01. Models FTXM35R and FTXM25R (refer to Daikin Room Air Conditioner, Installation Manual). Locations as drawing M01.
- 2 nr. condenser units at Roof

Fixing:

- Screw fix Mounting Plate to plastered walls in offices as described in the attached Daikin Room Air Conditioner, Installation Manual. Indoor units are fitted to the mounting plates.
- Cables and ducting to rise into the ceiling void at offices and bracket fixed to the existing structure.
- Cables and ducting to pass through separating wall between Offices and Cremation Room Minimise internal drill holes for the passage of pipes and cables for the continuation of routes shown on drawings M01 and M02
- Install visible cable tray in the Cremation Room with anchor fixings to ceiling, drop rods, unistrut and containment tray, as described in the attached RAMS 41 doc. Item 2.1.2
- Ceiling/roof penetrations to be made via an existing roof light in the Cremation Room, with a purpose made 'Cravat' style opening to be made weather tight.
- Cantilever brackets to be fixed to the interior of the Parapet wall for the purpose of locating 2 condenser units. Re. dwg M01.

Protection of Listed Building features:

- Any modifications and cutting to be carried out in a pre-identified area. Protect Listed Building features against accidental loss or damage by avoiding contact and use of protective covers
- Ensure that the fixings are correct for the fabric of the building – In the event of uncertainty, the task will be stopped and reported to the Supervisor &/or Site Manager.
- Identify the equipment required to work at height (podium step, access platform, step ladder etc. Avoid contact with Listed Building features
- Condenser Units, other materials and equipment to be raised onto the roof and positioned by means of mechanical plant for the purpose of avoiding contact with the building fabric.
- Operative's access to the roof is via an existing maintenance ladder.

2. Cremation Room, Spot Cooling

Equipment, locations as drawing M02:

- 2 number Ceiling Fans (re. FUA-A_RZASG_Datasheet_112AA)
- 2 number condenser units at Ground Level

Fixing:

- Fixed to the Cremation Room ceiling with unistrut cross members and drop rods to the existing structural steel.
- Visible cabling and ducting to be screw fixed to the ceiling and internal wall with brackets
- Cabling and ducting to exit at low level through a contemporary window panel
- Outdoor Units fixed to ground within the existing Services Area and shielded from public view by existing installations and fencing

Protection of Listed Building features:

- Any modifications and cutting to be carried out in a pre-identified area. Protect Listed Building features against accidental loss or damage by avoiding contact and use of protective covers
- Ensure that the fixings are correct for the fabric of the building – In the event of uncertainty, the task will be stopped and reported to the Supervisor &/or Site Manager.
- Identify the equipment required to work at height (podium step, access platform, step ladder etc. Avoid contact with Listed Building features

Items 6 and 7 of the Heritage Impact Statement and LBC Approved Plans are no longer required following detail design liaison with specialist contractor