METHOD STATEMENT

Comfort Cooling Installations and Basement Ceilings

21 Park Square East
London

COLIN KING ASSOCIATES

24 March 2015

The Royal Naval Club and Royal Albert Yacht Club 17 Pembroke Road Portsmouth England PO1 2NT
Tel : + 44 (0)2392 – 877161 Fax : + 44 (0)2392 – 003911 E-mail : cka@talktalk.net

1 INTRODUCTION

This document has been prepared to describe the proposed Comfort Cooling system and the Architectural requirements to facilitate the installations.

2 THE SYSTEMS

The proposed systems consist of the following components:

a) 2 N^0 Condensers to be located in a Roof 'Valley'
b) Fancoils in each Bedroom, Sitting Room, Dining Room, Library, Gym and Cinema
c) Refrigerant pipework connecting between the Condensers and Fancoils.

3 THIRD FLOOR FANCOIL INSTALLATIONS

The original proposal as submitted with the Planning Application was for the Fancoils serving the third floor Bedrooms to be installed within the Roof space over with ductwork plenum connections to grilles in the rooms. However since the Planning Application was submitted this proposal has been reviewed and it is now intended that the Fancoils be mounted to the tops of purpose made wardrobes.

4 FANCOILS TO ROOMS FROM GROUND TO SECOND FLOORS

The proposals for the Fancoils associated with all Rooms from Ground to Second floors remain as per the drawings submitted with the Planning Application

5 FANCOILS TO GYM AND CINEMA

5.1 GENERAL

The proposals for the Gym and Cinema within the Basement remain basically as indicated on the drawings submitted with the Planning Application. However additional drawings indicating the form and construction of the dropped ceilings necessary to allow the Fancoils to be installed are now being submitted.

5.2 GYM FANCOIL

It is proposed that the Fancoil be of the 'horizontal' type mounted within a dropped ceiling as indicated on the drawings.

The Fancoil would have ducted supply air connections to a linear slot diffuser mounted in the plasterboard ceiling. The slot diffuser would be of the 'plaster-

in' type with minimal visible border and would be 25mm wide plus a border making a whole visible width of 51mm.

The Fancoil would be suspended via anti-vibration mounts from the existing timber joists.

The slot diffuser would be fitted with a plenum as indicated in the picture forming part of this document. The plenum is a sheet metal box designed to accept horizontal duct connections from the Fancoil.

Return air would pass through a linear grille installed to the vertical part of the dropped ceiling as indicated on the drawings, using the ceiling void as an air path. The grille would, as the slot diffuser, be of plaster-in type.

The supply air ductwork would be supported by hangers fastened to the existing timber joists.

5.3 CINEMA FANCOIL

It is proposed that the Fancoil be of the 'horizontal' type mounted within a dropped ceiling as indicated on the drawings.

The Fancoil would have a ducted connection to a linear grille installed to the vertical face of a bulkhead as indicated on the drawings. The grille would be of the plaster-in type.

Return air would pass through a second linear grille of plaster-in type as indicated on the drawings, matching the supply air grille. The return air would make use of the bulkhead as an air path.

The Fancoil would be suspended via anti-vibration mounts from the existing timber joists.

The duct connection between the Fancoil and the supply air grille would be suspended via anti-vibration mounts from the existing timber joists.

6 DROPPED CEILING CONSTRUCTION

The proposed dropped ceilings would be installed as indicated on the drawings and in the picture contained within this document and would be of metal framed type finished with 2 layers of plasterboard, taped and skimmed with plaster.

PICTURES

Linear Slot Diffusers Model Slot 20 and 25

Model 20CSlot and 25CSlot

Dimensions
Size Width
1 – 8 slots in 20mm or 25mm Slot widths.
Larger to special order if required.

Length Standard lengths up to 2400mm nominal opening size.
Linear runs will be supplied, as standard, in 2400mm long sections with end flanges as necessary. The exact length of the run will be made up with intermediate make-up sections.

Download Catalogue

Features

- 1 to 8 Slots
- 20mm or 25mm Slot widths
- Ceiling or Sidewall Applications
- Modular or Continuous Lengths
- Curved Sections
- Corner Pieces
- Adjustable Discharge Pattern
- Secret Fixing
- Matching Plenum Boxes

SLOT DIFFUSER WITH ASSOCIATED PLENUM AND DUCT CONNECTION

Gyproc MF

0.40 – 0.75 NRC Sound absorption | 57 – 64 R_w dB Airborne | 67 – 57 L_{nw} dB Impact | 30 – 120 mins

Gyproc MF is a suspended ceiling system suitable for most internal drylining applications. The fully concealed grid and ceiling lining can be used in conjunction with Gyproc plasterboards and Gyptone boards to create a seamless, monolithic appearance.

Gypframe MF7 Primary Support Channel

+

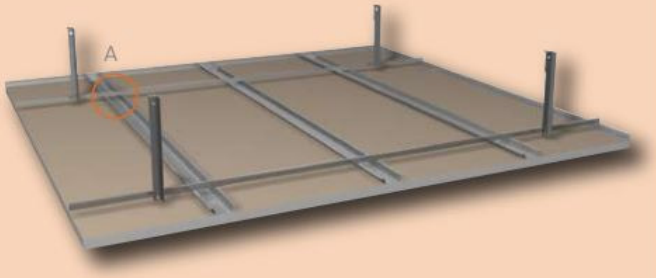
Gypframe GA1 Perimeter Support Angle

+

Gyproc Wafer Head Jack-Point Screws

+

Gypframe MF5 Ceiling Section



Key facts

- Monolithic appearance
- Suspension from concrete floors and purlins
- Durable ceiling lining
- Ventilation ducts and other services accommodated in plenum
- Simple accommodation of access panels
- Easy to create bulkheads and level change

TYPICAL METAL FRAMED PLASTERBOARD CEILING CONSTRUCTION