Kitchen Supply and Extract ventilation

The new kitchen shall be provided with an extract fan consisting of Fan section, grease filters and sound attenuation. The new extract fan shall be sized to provide the design air flow rate as provided by the kitchen installer and as indicated in the mechanical schedules. Kitchen supply fan shall be mounted on anti-vibration framework supported on a big foot system and shall be located on the roof above the plantroom.

The new kitchen shall be provided with a supply fan consisting of Fan section, ePM1 70%-75% Filters section, LTHW heating coil and sound attenuation. The new supply fan shall be sized to provide 80% of the design extract air flow rate and as indicated in the mechanical schedules. The kitchen extract fan shall be mounted on anti-vibration framework supported on a bigfoot system and shall be located on the roof above the kitchen office.

The final supply and extract ventilation ductwork connections to the supply/extract canopy shall be provided by the kitchen installer.

The onboard kitchen installer is:

CKS Catering Equipment Ltd
Cornford Road
Blackpool.
FY4 4QQ
01253 791797

The contractor shall refer to the kitchen design information provided by CKS Catering Equipment prior to the selection and ordering of any equipment.

All plant, fittings and ductwork will be installed in such a way as to prevent vibration transmission through the building structure. This will generally be by the use of flexible connections, spring hangers etc.

Main Hall ventilation

The new mina hall shall be ventilated via 3No. roof mounted Monodraught Windcatchers.

Ductwork

Ductwork shall generally be as detailed in Section 5.31.02, galvanised sheet steel. All ductwork shall be manufactured in accordance with HVCA DW/144 Specification.

Fresh air intake, exhaust and supply air ductwork will be insulated with vapour seal where it is incorporated to distribute heated or cooled tempered air with the specific function of heating or cooling the internal space served. Ductwork carrying reduced temperature air will be complete with continuous vapour seal to prevent condensation. Elsewhere insulation will not be required.

Ductwork Classification

Ductwork shall be classed as Low Pressure Class A in accordance with HVCA DW 144 Specification.

Flexible Ductwork

Flexible ductwork shall be installed and shall be as detailed in Section 5 U19 of this Specification.

Flexible ductwork shall be installed on the connections to all grilles and diffusers.

Flexible Joints

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