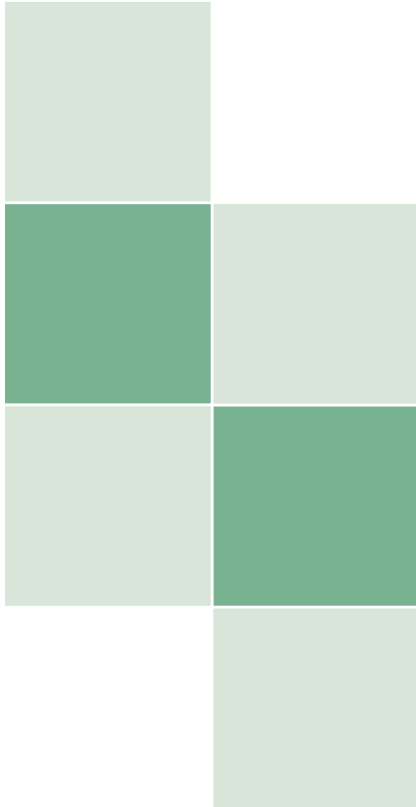




New Century Hall A3 Units

Basement (B2) Mechanical and Electrical Services



Ref: 1475 R001 Rev 0 Date: 10/12/2020

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Revision Record

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10/12/2020	1457 R001	0	CW	ML

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1.0 Introduction

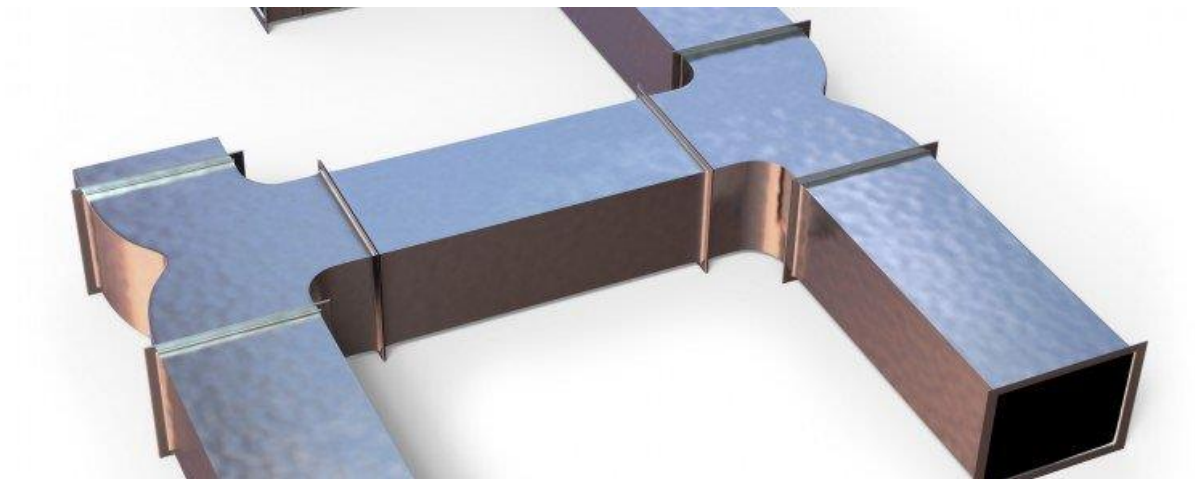
The purpose of this document is to provide a high level outline of the principle mechanical and electrical services installations proposed at New Century Hall, NOMA estate with particular focus on the Basement level B2 installations.

2.0 Ventilation Services

Smoke clearance ventilation to the Basement B2 level is provided by ventilation ductwork which is approximately 900x900 installed at high level.

The ductwork will need to be fire rated and will have an off-white finish (as standard).

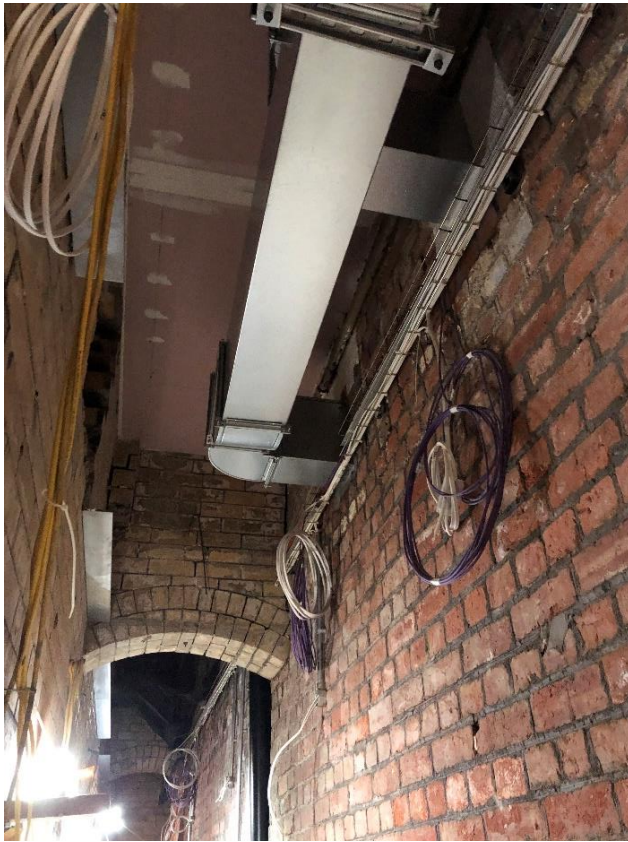
Typical image below of a ductwork installation.



The smoke clearance ventilation will extend to the areas indicated on drawing no. 1457-B2-5701.

Bin Store Ventilation to Basement B2 will be provided by a single ductwork system, approximately 500x500, installed at high level.

The ductwork will be installed at high level, refer to typical image below: -



3.0 Piped Services

Basement B2 is provided with an automatic sprinkler system. The sprinkler pipework is typically finished red and will range in size from 25mm up to 150mm in diameter.

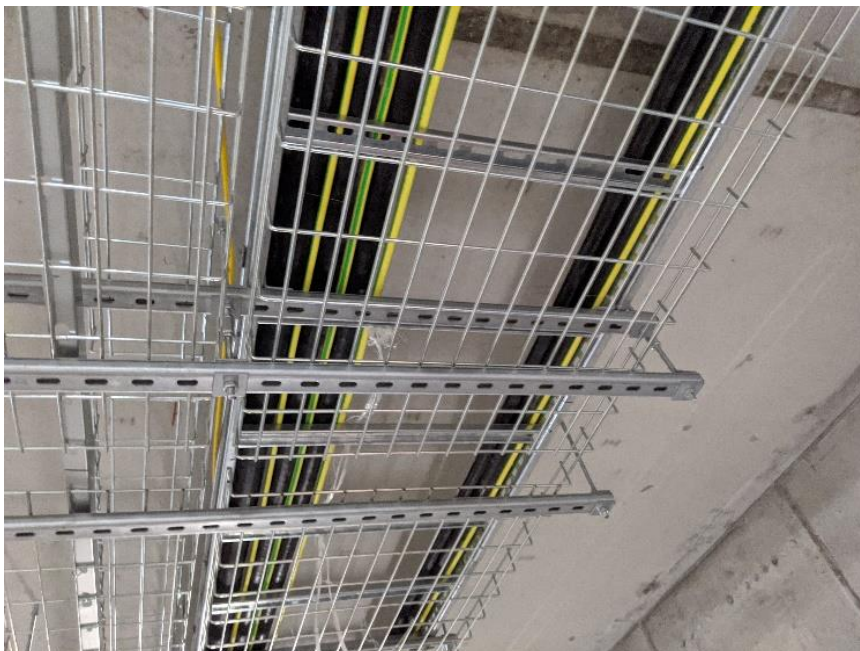
The sprinkler pipework and sprinkler heads will be installed at high level to ensure full coverage of the sprinkler spray head pattern, refer to typical images below: -



4.0 Electrical Services

A series of metal trays to support and safely distribute power, light and fire alarm cables as required. The cable support trays will be a galvanised metal finish with self-colour fixings to the soffit.

Refer to typical images below: -



The lighting will generally be provided by linear lighting which will either be fixed to cable tray or suspended from the soffit. Refer to typical image below: -

