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DESCRIPTION OF SERVICES INSTALLATIONS FOR THE MECHANICAL HEATING, COOLING, ELECTRICAL AND DRAINAGE INSTALLATIONS FOR PLANNING PURPOSES.

Project: Tack Room, Building D (Tack Room), Camden Stables,
London NW1 8AH

Client: Stanley Sidings

Ref: AP334/ Description of Services for Planning/Oct 2016

Date: 17 October 2016

Status: For Information

TACK ROOM, BUILDING D, CAMDEN STABLES **OPTIMA B.E.S. Ltd**
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1. INTRODUCTION

The descriptions of services installation below focuses on the proposed mechanical, electrical and drainage services installations intended to provide relevant information for a planning submission. The descriptions should be read in conjunction with the Stephen Levrant Heritage Architecture drawings and illustrations.

The project is the minor alterations to Block D to accommodate new tenants for the building. The alterations include alterations to room layouts.

The servicing described within this document is for the mechanical ventilation, cooling/heating, electrical and drainage services.

The services drawings that should be read in conjunction with this report are:

- AP334-M100 Ground Floor Cooling/Heating & Drainage for Planning
- AP334-M200 First Floor Proposed Extract, Cooling/Heating & Drainage for Planning
- AP334-M300 Roof Level – Cooling/Heating & Drainage for planning

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2. MECHANICAL SERVICES

2.1 HEATING

Mechanical extract systems will be provided for the WC and kitchenette facility as shown on drawing AP334-M200. The make up air shall be from the door undercuts.

Each fan shall be controlled on intermittent use via the light switch with timer overrun

2.2 COOLING/HEATING SYSTEMS

It is anticipated that the tenant will install a heat pump heating/cooling system to replace the existing. The type of heat pumps and locations of condensing units are as indicated on the drawings. All interconnecting refrigeration pipework, cabling and condensate pipe shall be run on cable tray, similar to existing to provide a consistent visual image.

The sound pressure level for the selected condensing units shall not exceed 52dba so to limit the noise to below the existing condensing units being replaced. The condensing units are located in a back of house area so noise to adjacent buildings, including Building D, will not be affected.

For the store areas electric panel heaters are proposed to maintain a minimum temperature.

2.3 HOT AND COLD WATER SERVICES

The existing mains cold water service shall be extended to the new WC and kitchenette sink and hot water service shall be provided by an under sink electrical point of use heater.

2.4 DRAINAGE

The drainage to the new toilet location is indicated on the drawing with a stub stack for the WC and sink and a vent pipe and rodding access on the stack where the stub stack connects. It is proposed that the drainage will be cast iron above ground and PVC below ground to the nearest foul manhole.

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3. ELECTRICAL SERVICES

3.1 INTRODUCTION

The project requires the fitting out of new power and lighting from the existing distribution boards.

3.2 SMALL POWER

The retail unit shall be supplied with small power by the tenant from existing distribution boards to suit the tenant's requirements. The method of cabling shall include cables within galvanised conduit as the existing cabling where surface with all runs longitudinal or at right angles to the building as well as neat and tidy.

3.3 LIGHTING AND EMERGENCY

The lighting system shall be provided by the tenant incorporating LED light fittings appropriate for the building where exposed and recessed. Emergency light fittings will be provided where required.

Emergency lighting will be compliant with BS5226.

The wiring to switches will be in galvanised conduit where exposed to match existing with all runs longitudinal or at right angles to the building as well as neat and tidy.

3.4 FIRE ALARM

A fire alarm system will be provided fully compliant with BS5839. The system shall be connected of the site fire alarm system. This may be in the form of a stand-alone panel positioned in an accessible location, reporting to the main site panel from an interface or as an extension to the existing fire alarm loop.

3.5 TESTING AND COMMISSIONING

The electrical Services shall be compliant and installed within the current BS7671: 2008 + A1: 2011 the latest 17th Edition I.E.T Wiring and Building.