Project:	**University College London – AHU Replacement at 1-19 Torrington Place**	Job No:	
Subject:	**Access and Design Statement**		
Prepared by:	**Graham Bonnett**	Date:	**05-06-13**

Introduction

This section of the building is currently ventilated by a number of air-handling plants which are old and past their economic lifespan. Due to their age, they are also using considerably more energy than a modern system. This project seeks to address these issues by the replacement of the existing plant with new efficient plant and combine several plants into one more efficient plant. This will tidy the roof area and provide a more visually acceptable solution. The new single AHU incorporates heat recovery, which makes the unit physically bigger than the existing smaller plant – this is the reason for the UCL deciding that planning permission should be sort.

Access

The access to the present plant is through a well formed permanent staircase with no health and safety issues. As the maintenance requirements of the new plant will be the same or less than the existing plant, it is not considered that any changes are required to the entrance route.

The flat roof, onto which the plant is located, is bounded by the building on one side and a high parapet on the other sides – it is considered safe in its present form.

The opportunity is being taken, however, to update the lighting to the flat roof to improvement maintenance activities at night.

The initial plant replacement will be carried out by crane from Torrington Place.

Design

The new air-handling plant is designed to current Building Regulations and UCL's own standards, which exceed Building Regulation. For instance, Building Regulations require a fresh-air rate of 10 litres/second/person, whereas UCL's requirements are 12 l/s/person.

Energy models have indicated that the replacement plant will represent a significant CO2 reduction to the present scheme.

Signed: AECOM___ _____ 05-06-13

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