

Design & Access Statement

for

New Substation Enclosure

at

**Pfizer Global Supplys
New Lane
Havant**

for

**Pfizer Global Supplys
New Lane
Havant
Hampshire
PO9 2NG**

prepared by



**Axis Architecture Ltd.
The Old Post Office
Station Road
Wickham
Hampshire
PO17 5JA**

Introduction

The site is part of the Pfizer Global Supply's distribution centre located on New Lane in Havant. The proposed development area is situated on the northern edge of the site adjacent to an existing substation building. To the south of the site are the main Pfizer industrial buildings, which are finished in profiled metal cladding (fig.1) and low brick plinths.



Fig. 1 - Surrounding Buildings on Pfizer Site

To the north of the site there is the northern boundary planted with trees, beyond which is another industrial estate with profiled metal clad buildings.

Design Requirement

The existing brick built substation building currently houses both high and low voltage electrical supplies (Fig.2). The applicant intends to separate the high and low voltage equipment by constructing a new enclosure and transfer some of the electrical equipment into it. The aim of this is to provide a safer work environment in which low voltage maintenance can be carried out separately and independently of high voltage operations.



Fig. 2 - Existing Substation Building

Design Solution

The new proposed enclosure is situated adjacent to the existing structure to minimise additional service routes. Its footprint is smaller than existing building but its mono-pitch ridge height will sit approximately 450mm above the existing flat roof to provide a better opportunity to weather-proof the new structure against the existing building.

The surrounding buildings on the site are predominantly clad in profiled metal sheeting, with associated flashing and brick plinth details (Fig.1). The new enclosure will be finished externally in a matching profiled metal cladding to match as closely as possible the shape and colour of the surrounding building's cladding.

The enclosure will be situated in the same position as a previously demolished small building/structure. The remaining walls remnants and floor slab will be removed and replaced with properly constructed foundations and damp-proofed floor slab (Fig.2). Existing rainwater drainage is present which will be utilised for the new enclosure.

There are currently cables entering the existing building at high level (fig.2). These will be adjusted to accommodate the new enclosure and a new cable tray to service the new enclosure will be fixed to the southern and western elevations of the new enclosure at the same level that the existing services enter the existing building.

Access

No special provision has been made to allow wheelchair access to the new enclosure as the maintenance processes undertaken will require able-bodied personnel.

There will be no additions to the workforce as a result of this extension and the enclosure will only be housing electrical substation equipment. Therefore no additional parking provisions have been considered.

Flooding

A desk study of the site on the Environment Agency Website would suggest that there is no flood risk indicated from the river running along New Lane.