

Project Spotlight: Roof Hatch Installation



The Challenge

Our client required a safe and practical access solution to enable the replacement of a high-voltage transformer located within a third-floor plant room.

Due to the size and weight of the equipment, conventional internal access routes were not suitable. A method was needed that would allow the transformer to be lifted into position without compromising building safety, operational continuity, or the integrity of the existing structure.

Project Overview

Following initial discussions and a detailed site review, a roof-based access solution was identified as the most viable approach.

This required the careful formation of an opening within the existing roof structure and the installation of a bespoke roof access hatch, designed specifically to accommodate the lifting operation while maintaining long-term weatherproofing and compliance with safety requirements.

Delivery and Completion

A safe working area was established on site and fixed scaffolding was installed to the external elevation to provide secure access for the works.

Once precise measurements were confirmed on site, an opening approximately 3000mm x 1600mm was formed within the roof structure.

A bespoke aluminium double-leaf roof access hatch was then installed, including all associated kerbs, flashings and seals, ensuring the roof's integrity was fully maintained throughout the process.

An aerial night photograph of a building with a corrugated metal roof. The roof is illuminated from below, creating a strong contrast with the dark sky. A small, rectangular, light-colored structure is visible on the roof. The building's facade is made of red brick and is partially covered in scaffolding. A street lamp is visible in the background, casting a warm glow on the surrounding trees and ground.

Finishing Touches

On completion of the installation, photographic records were taken for documentation and compliance purposes. All debris and waste materials were carefully removed from site and disposed of off-site, leaving the area clean, safe and ready for the planned transformer replacement.

The completed access solution now provides a robust, weather-tight and future-proof route for high-level plant access.

Find out more



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