

FARRINGTON STATION BROWN ROOF, NETWORK RAIL - ATKINS



BIODIVERSITY ENHANCEMENT OVERVIEW

As part of the design process for the improvements to Farringdon station, the new ticket hall will have a 'brown roof'. Designed to improve the biodiversity of the area, the roof will create a habitat for low invertebrate species and micro-organisms. In turn, this could potentially provide a feeding ground for Black Redstart – a protected species that has been present in the area.

The roof will be 1300m², of which around half will be 'brown', the remainder taken up with ventilation equipment for the ticket hall. The roof will also contribute to sustainable urban drainage (SUDS) by providing attenuation of heavy rainfall, and will improve the thermal insulation performance of the building, reducing heating costs.

Benefits:

- Meets local authority planning policy and helped gain planning approval
- Meets programme objectives related to the environment
- Contributes to improved biodiversity within the area
- Contributes to Sustainable Urban Drainage targets
- Provides improved thermal insulation for the ticket hall – reducing energy consumption and costs.

Our work on the brown roof helps us to demonstrate that we are implementing industry best practice in areas such as sustainability, as well as meeting our commitments in the following areas:

- Farringdon sustainability strategy; natural resource protection and environmental management
- Sustainability targets; protect and enhance biodiversity
- CEEQUAL; Ecology and biodiversity.

Fact box

Company name:
Network Rail, Atkins

Project name:
Farringdon Station brown roof

Location:
Farringdon Station, London

Biodiversity enhancement:
▪ Brown roof

Size:
700m²

Cost:
N/A

Tips:
N/A

Year completed:
2012

Categories:

- Large scale permanent