

PROJECT CASE STUDY

BRENTFORD

OVERVIEW

This installation at Kew Bridge Rise in Brentford was completed for Hill Partnerships. Here we supplied our **Series 3** plant deck with integrated acoustic screening and an acoustic roof, which attenuated the noise of the ASHPs to be within the planning conditions. This **Baffle400** roof also allowed 75% free area to prevent recirculation for the ASHPs inside the enclosure. This installation delivered a non-penetrating solution with integrated acoustic screens which was fully compliant with both technical specifications and planning requirements.

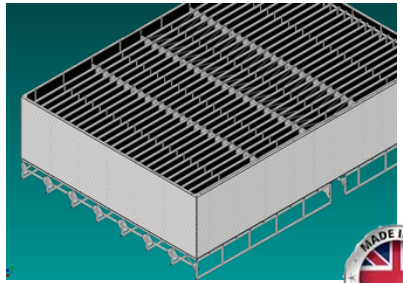
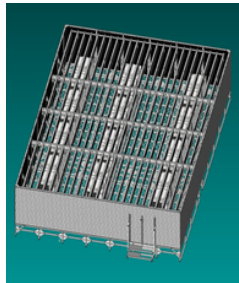
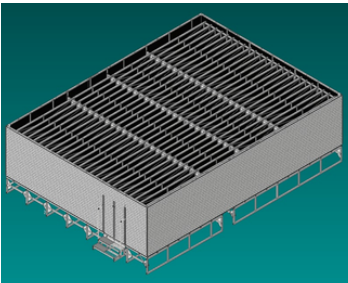
CLIENT - HILL GROUP

PRODUCT DESCRIPTION - *Series 3* platform with 2.4m high **Peacemaker** screens & **Baffle400** roof.

Market Sector - Residential

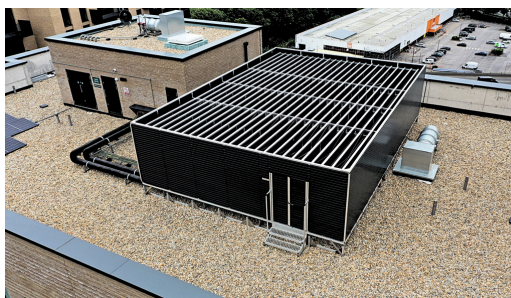
KEY FEATURES

- **Series 3** platform for a secure, non-penetrating rooftop solution.
- **Peacemaker** panels providing a $R_w-14\text{db} + \text{NRC}$ 1.0 reduction.
- **Baffle400** roof to allow 75% free area inside the enclosure.
- **Standard Screens** PPC slats to visually conceal plant equipment.
- Conforms to **BS EN 516 2006** and **BS EN 1090-3 2008**



Configured Platforms





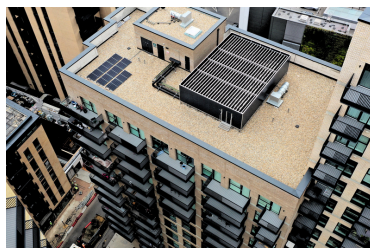
INSTALLATION

To streamline the installation process and minimize disruption on site, the enclosure's base and side panels were pre-fabricated in our factory in Leeds. This approach not only ensured higher precision and quality control but also significantly reduced the time and labor required during the final installation. The installation was carried out by JS Wright, who we guided through the installation process.



DESIGN

The Series 3 plant deck has been used on this project, to raise the Mitsubishi ASHPs off the roof level and allow airflow underneath the screens. This system is also completely freestanding and sits on top of the waterproofing layer of the inverted roof buildup, removing the need for any roof penetrations or weathering details. Integrated into this plant deck is the Standard Screen aesthetic option with the acoustically absorptive Peacemaker backing. The roof over the units is constructed from our Baffle400 acoustic product, which gives a Rw7dB reduction and a high free area of 75%.



See below QR codes to our Specification Sheets for all our products used in this job

Click or scan



Series 3



Peacemaker



Project Video

ConfiguredPlatforms

