

The Rylands MEP & Architectural Reuse Story

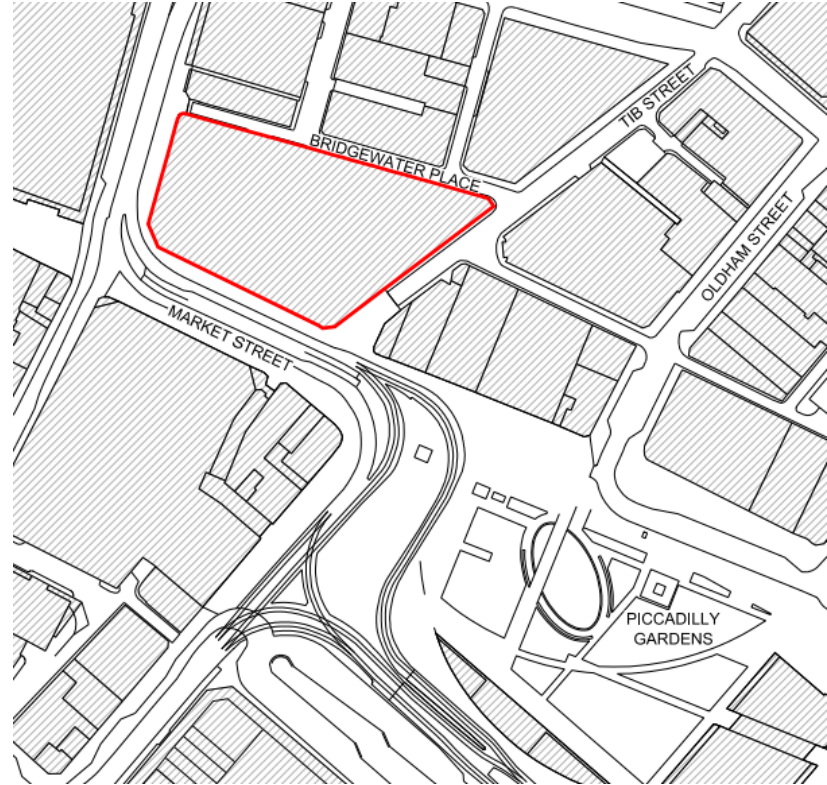


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MAX FORDHAM

Rylands, Manchester





BUILDING FOR THE FUTURE: NET ZERO CARBON – EMBODIED CARBON & CIRCULAR ECONOMY

RIBA 2030 Climate Challenge target metrics for non-domestic buildings

RIBA Sustainable Outcome Metrics	Current Benchmarks	2020 Targets	2025 Targets	2030 Targets	Notes
Embodied Carbon kgCO ₂ e/m ² 	1100 kgCO ₂ e/m ² (M4i benchmark)	< 800 kgCO ₂ e/m ²	< 650 kgCO ₂ e/m ²	< 500 kgCO ₂ e/m ²	RICS Whole Life Carbon (A-C) 1. Whole Life Carbon Analysis 2. Using circular economy Strategies 3. Minimum offsetting using UK schemes (CCC)

- Embodied Carbon Target at the time of planning submission 600 kgCO₂e/m²
- 95% of strip-out waste diversion from landfill i.e. to be reused or recycled
- At least 20% by volume, or 30% by weight of stripped out material to be reused

Key milestones



0.75 tonnes of electronic waste avoided



7 tonnes worth steel reused, also importantly supporting a charity to continue reuse work in refurbishing engines



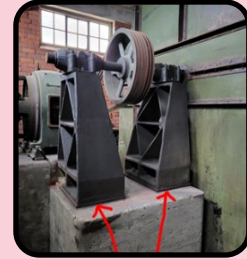
>550 lights remanufactured with <75% upfront carbon to new Supporting a start up with stock and enabling wider industry use



>12 tonnes of steel parts recovered Supporting SME involved in refurbishment of equipment



A pallet of bricks, recovered for reuse within the new build



Historic items & machines of merit retained on-site, as a material bank for future tenant fit out

Two generators





LED lights recovered and sent for remanufacturing



Shop spotlights are reused at art school

19/09/2023 / In Circular Lighting Report / By Ray Molony



A set of outdated spotlights from a Manchester department store have been reused in an art school in a remanufacturing project by Scottish firm EGG Lighting.

Can now be specified in your scheme!

Reman-Ready Lighting

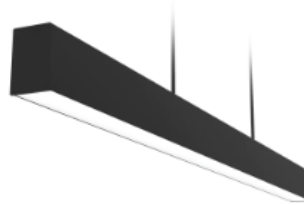
Reman-Ready Lighting features pre-owned lights that are in excellent condition and ready for remanufacturing to meet your specifications. Upon request, we can remanufacture these lights to like-new condition according to your specific needs. Each light comes with a 5-year warranty and has been tested according to BS 8887 standards.



Spotlight



Recessed Downlight



Linear



Planor Linear

9 Escalators



Originally retained but...



Unistruts, hangers & Cable trays

