



## ELEPHANT & CASTLE



Approximately **26% of the total designed steel will be reclaimed**, with **160 tonnes of embodied carbon saved**

- Redevelopment of the 1960's Elephant & Castle Shopping Centre and adjacent University Arts London site
- Steel reuse strongly supported by main contractor, client and designer, with the overarching goal to achieve a low-carbon solution
- The re-use steelwork is across 3 buildings: E2 & E3 (residential) & E4 (commercial)
- EMR provide the material list with every section having full Materials Passports, accepted by the engineer & client

**MULTIPLEX** **wsp** **AAM**

## BRENT CROSS SUBSTATION



Early design team involvement meant that approximately **50% of the steel frame** was sourced from **re-purposed steel** - 45 tonnes and **100 tonnes of embodied carbon saved**

- Creation of a dynamic structure and form, with sustainability key to the project
- Early engagement to create a visually uplifting structure that creates a local landmark and supports place-making
- 21m high and 115m circumference steel structure
- Conveying a sense of movement
- Working with local designers to showcase the future Brent Cross Town

**GALLDRIS** **ARUP** **IF\_DO**

## ONE EXCHANGE SQUARE



90% of the existing structure will be retained, having **50% lower embodied carbon** than a typical building of comparable size, with approximately **7,600 tonnes of embodied carbon saved**

- Extensive reuse & enhancement of three quarters of the existing façade
- 420,000 sq ft of high quality commercial space, 20,000 sq ft of retail & 34,000 sq ft of external accessible space
- Designed to meet tenants' high sustainability & wellness demands
- 100% electric project & Net Zero Carbon in operation, using intelligent façade design & mechanical services to manage operational energy use

**MULTIPLEX**

**HEYNE  
TILLET  
STEEL**

**fletcher  
priest  
architects**