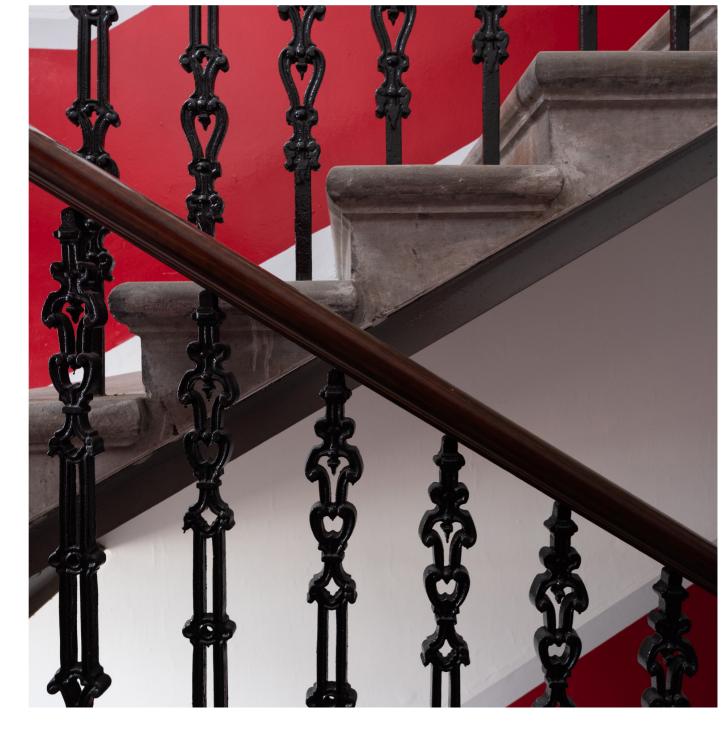
107 Niddrie Road

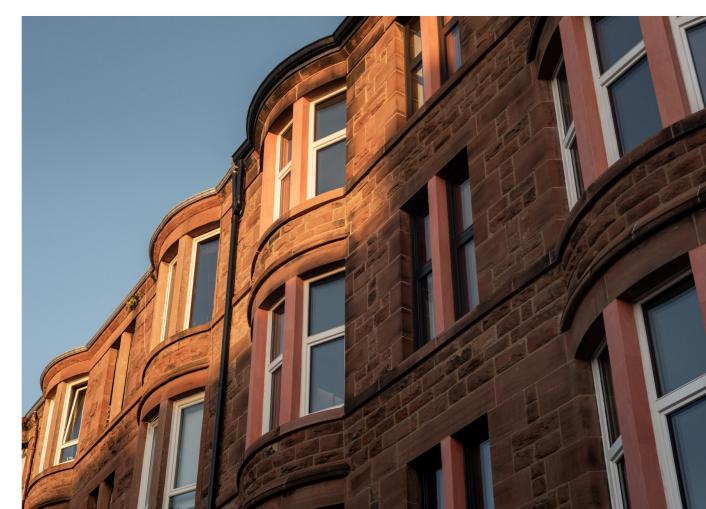


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Finalist

Project category





107 Niddrie Road is a pre-1919 red sandstone tenement building with 8 housing association owned one bedroom flats, designed to EnerPHit retrofit standards.

It has high levels of insulation and airtightness combined with new heating and ventilation systems. These energy efficient measures drastically reduce energy bills for the tenants while providing them with the healthiest possible internal environment.



Key info

Project name: 107 Niddrie Road

Project location: Glasgow,

Scotland

Building completion date: 10/2022

Building size (sqm): 440

Construction cost (approx.): £1.14 million

Construction type: Pre-1919 sandstone tenement retrofit

Building use: Residential

Project team

Architect/designer: John Gilbert Architects

Client: Southside Housing Association

Contractor: CCG

Consultants: Design
Engineering Workshop,
Passivhaus Associates, WARM,

Thermal Image UK

Product manufacturers/ suppliers: Green Building Store, K Systems, Ultimate Insulation, Paul Heat Recovery, Mitsubishi, Vaillant, Recoup, KEIM

Highlights

Designed to EnerPhit standard, with heating demand reduced to 25.9kWh/m2/year, 90% lower than a typical sandstone tenement.

Natural building products specified where possible, eg wood fibre insulation, timber frame windows, lime parge coating and sheep's wool insulation.

70% reduction in CO2 produced per m2 (average across the 8 flats).

Housing association owned.

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