passivhaus

a quality assured methodology for designing low energy homes

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Erneley Close – Longsight, Manchester. EnerPHit

EnerPHit / Passivhaus principles

Continuous super-insulation
Airtightness
Controlled ventilation & heat recovery
Use of PHPP

EnerPHit Certification requirements

Specific Space Heat Demand 25 kWh/m2.yr

Specific Primary Energy Demand 120 + kWh/m2.yr

Airtightness of 1.0 ach @ 50Pa or lower

< 25 C for under 10% of the year





Erneley Close – Longsight, Manchester. Existing Context



























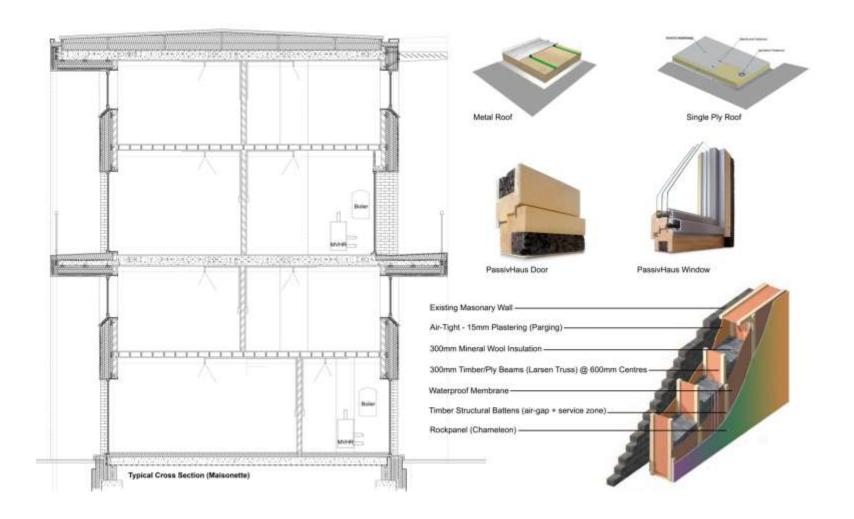




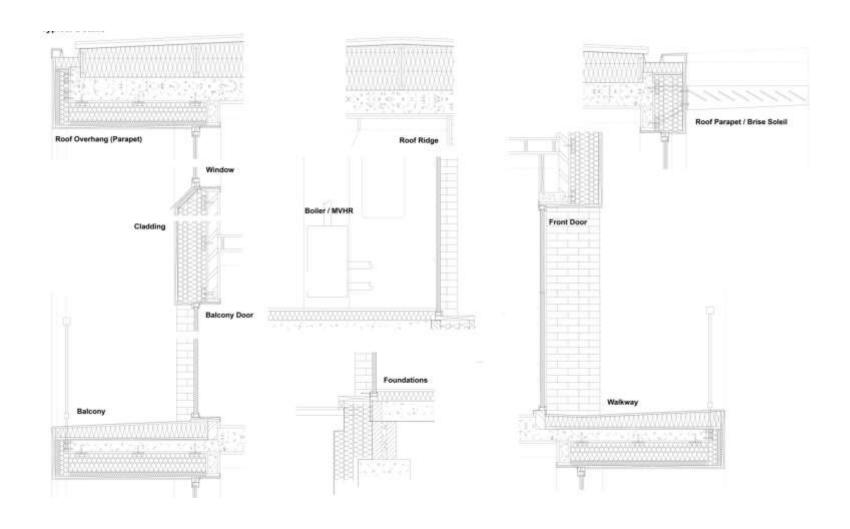
Existing Elevations



Proposed Section, pre opening up works



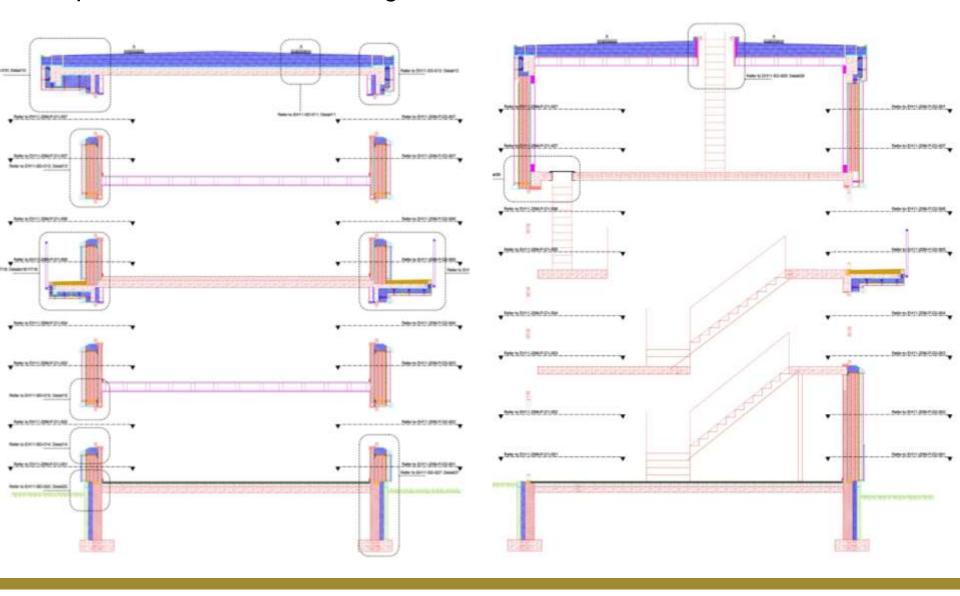
Proposed Details, pre opening up works



Proposed Elevations

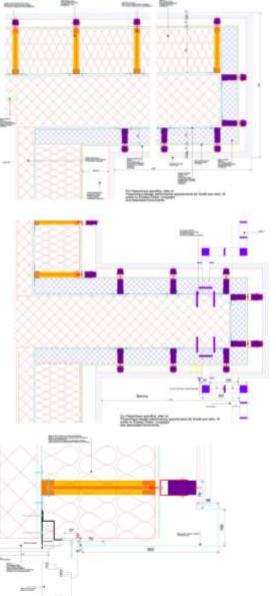


Proposed Section, Tender stage



Proposed Details, Tender stage





Erneley Close – Longsight, Manchester. 'Exposed' Context























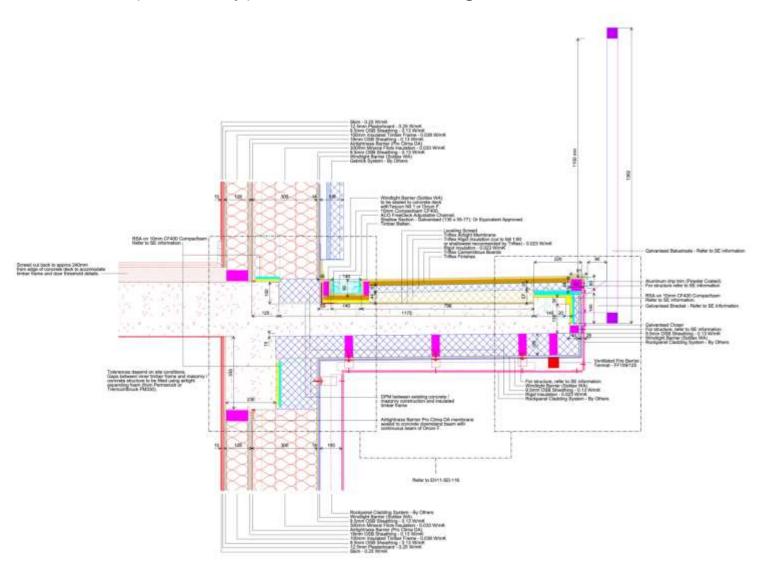




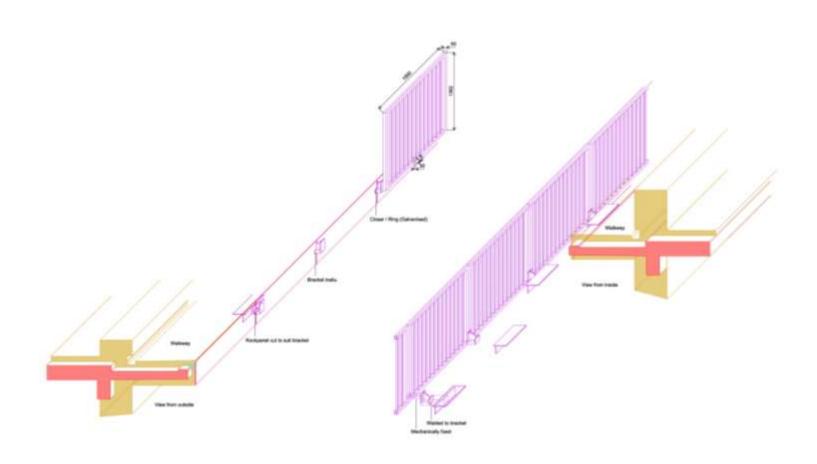




Proposed Detail (Walkway), Construction stage



Proposed Walkway, 3D assembly



Erneley Close – Longsight, Manchester. EnerPhit treatment





























