



## Our consulting process for high-performance Passive House projects

### DESIGN PROCESS

#### PH Stage 1

**Review** – initial review & comment on the site, brief and initial concept design

**Guide** – provide passive house guidance and support to the architect/designer

#### PH Stage 2 – Concept

**Review** – review & comment on the current design

**Model** – initial modelling using designPH & PHPP software

**Guide** – provide specification requirements for the thermal & airtight envelope (incl windows & doors) & the ventilation system

**Iterate** – repeat the above if necessary

#### PH Stage 3 – Detailed

**Review** – review & comment on the current design, specification & construction detailing

**Model** – detailed modelling using designPH & PHPP software. And thermal bridge modelling for heat loss & condensation risk using Flixo software

**Guide** – passive house product and component selection, liaise with specialist suppliers

**Submit** – collate & submit pre-construction information to the passive house building certifier



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## CONSTRUCTION PROCESS

### PH Stage 4

### PH Stage 5

**Tender** – assist with PH tender requirements and contractor selection

**Contract** – review contract and advise on PH requirements

\* This stage is most relevant for commercial projects

**Observation** – site visits at key stages to observe adherence to PH requirements

**Support** – answer contractor PH queries, check & vet any variations

**Model** – update modelling for variations, site testing & commissioning results

**Testing** – blower door tests at close-in & practical completion

**Submit** – collate & submit construction information to the certifier

**Note** – ventilation commissioning must be undertaken strictly in accordance with PH requirements. We do not offer this service, check that it will be done by the builder or ventilation supplier.