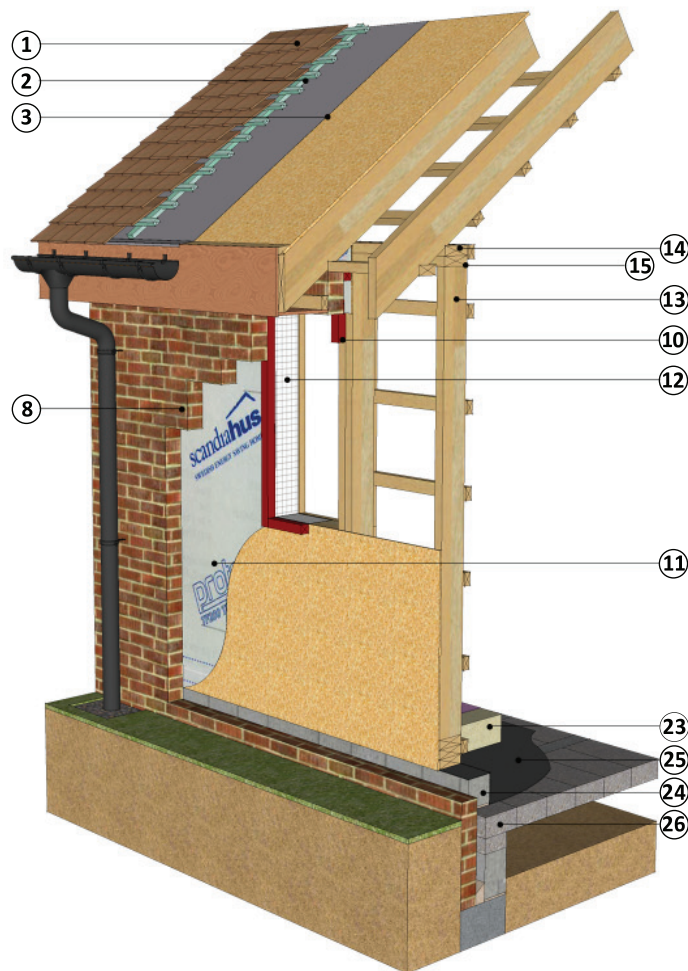


TIMBER FRAME CONSTRUCTION



ROOF BUILDUP - U-value 0.14 W/m²K

- ① • ROOF TILES
- ② • TIMBER BATTENS & COUNTER-BATTENS
- ③ • OSB SARKING & BREATHER MEMBRANE
- ④ • ROOF RAFTERS - 222mm x 47mm
- ⑤ • ACTIS HYBRIS INSULATION - 155mm BETWEEN RAFTERS
- ⑥ • ACTIS HCONTROL MULTIFOIL & VAPOUR CONTROL LAYER FIXED TO STUDWORK BEHIND HORIZONTAL 38mm x 63mm BATTENS & SERVICE VOID
- ⑦ • PLASTERBOARD

EXTERNAL WALL BUILDUP - U-value 0.16 W/m²K

- ⑧ • BRICKWORK (or alternative material)
- ⑨ • 50mm CAVITY
- ⑩ • CAVITY CLOSERS
- ⑪ • OSB SHEATHING & TF200 THERMO REFLECTIVE BREATHER MEMBRANE
- ⑫ • REINFORCED VAPOUR CONTROL LAYER
- ⑬ • TIMBER FRAME - 147mm x 47mm
- ⑭ • HEAD BINDER PLATE
- ⑮ • PANEL PLATE
- ⑯ • 2x SOLE PLATES
- ⑰ • ACTIS HYBRIS INSULATION - 105mm BETWEEN STUDS
- ⑱ • ACTIS HCONTROL MULTIFOIL & VAPOUR CONTROL LAYER FIXED TO STUDWORK BEHIND HORIZONTAL 38mm x 63mm BATTENS & SERVICE VOID
- ⑲ • PLASTERBOARD

GROUND FLOOR BUILDUP - U-value 0.12 W/m²K

- ⑳ • FLOOR FINISH
- ㉑ • 50mm SCREED
- ㉒ • VAPOUR CONTROL LAYER LAPPED UP OUTER EDGE OF SCREED AND ONTO ACTIS HCONTROL LAYER
- ㉓ • 150mm RIGID INSULATION
- ㉔ • 140mm x 140mm CONCRETE UPSTAND
- ㉕ • DAMP PROOF MEMBRANE LAPPED UP OUTER EDGE OF INSULATION AND INTO DAMP PROOF COURSE
- ㉖ • BLOCK & BEAM (or alternative structural base)

