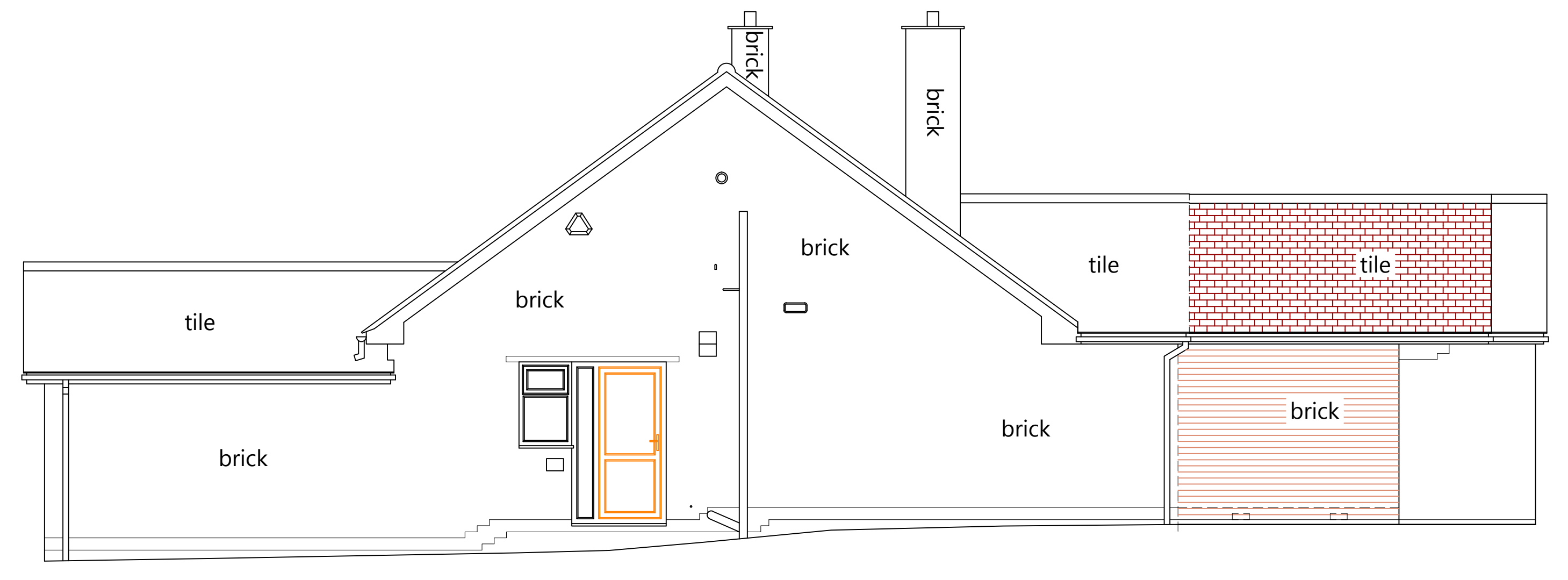


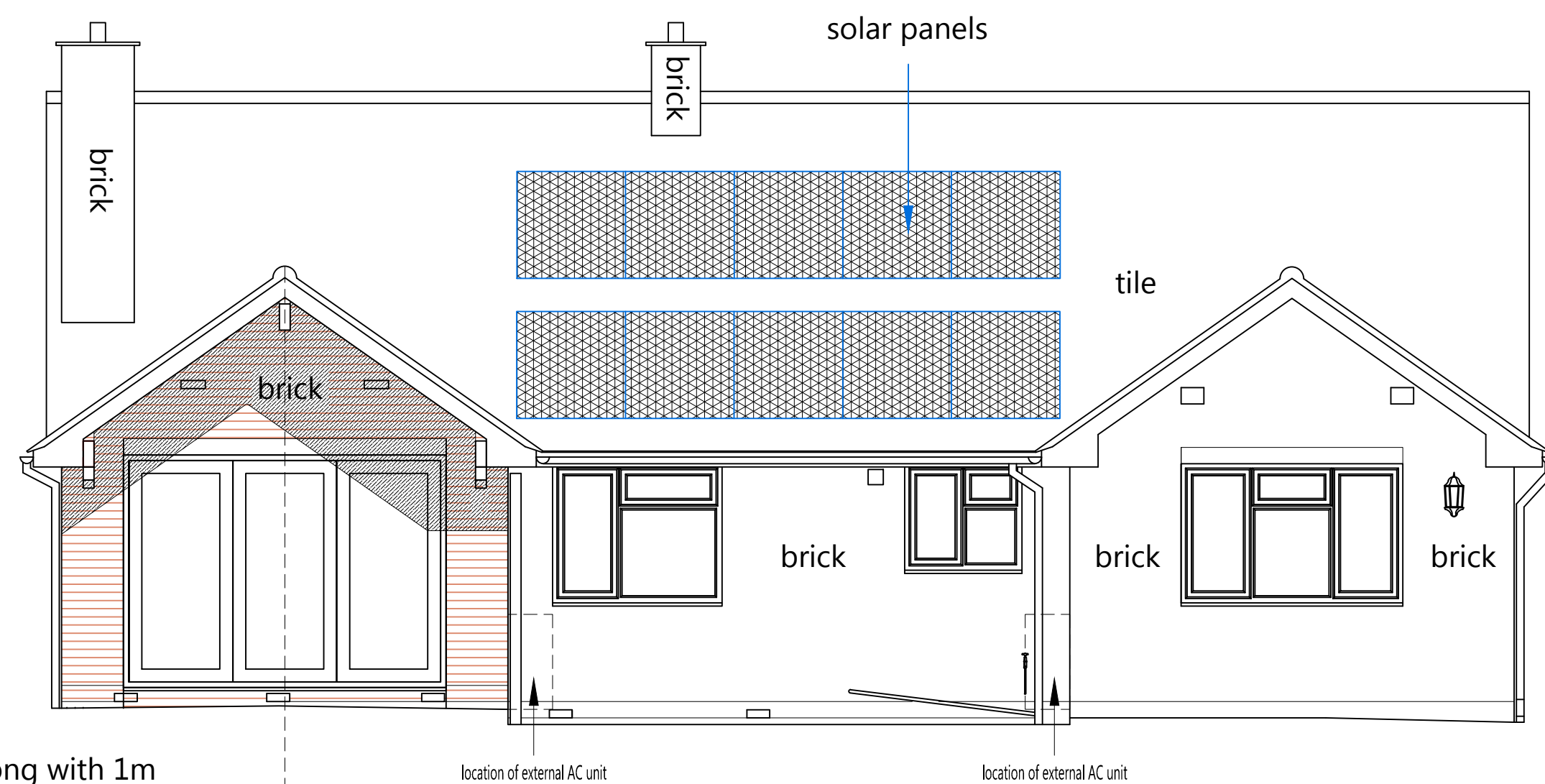
Elevation 1 **NORTH EAST**



Elevation 2 **NORTH WEST**

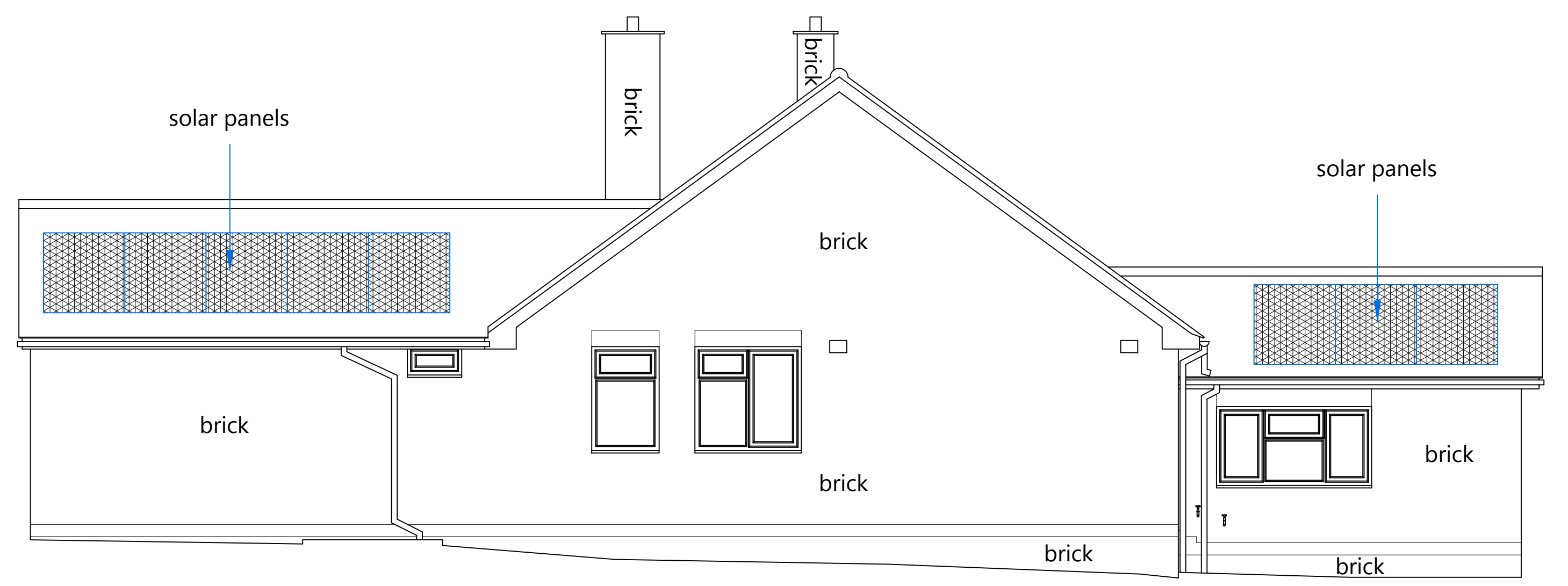
Extension 2720 long with 1m overhanging verge to roof to provide solar shading

Level Datum 85.00m



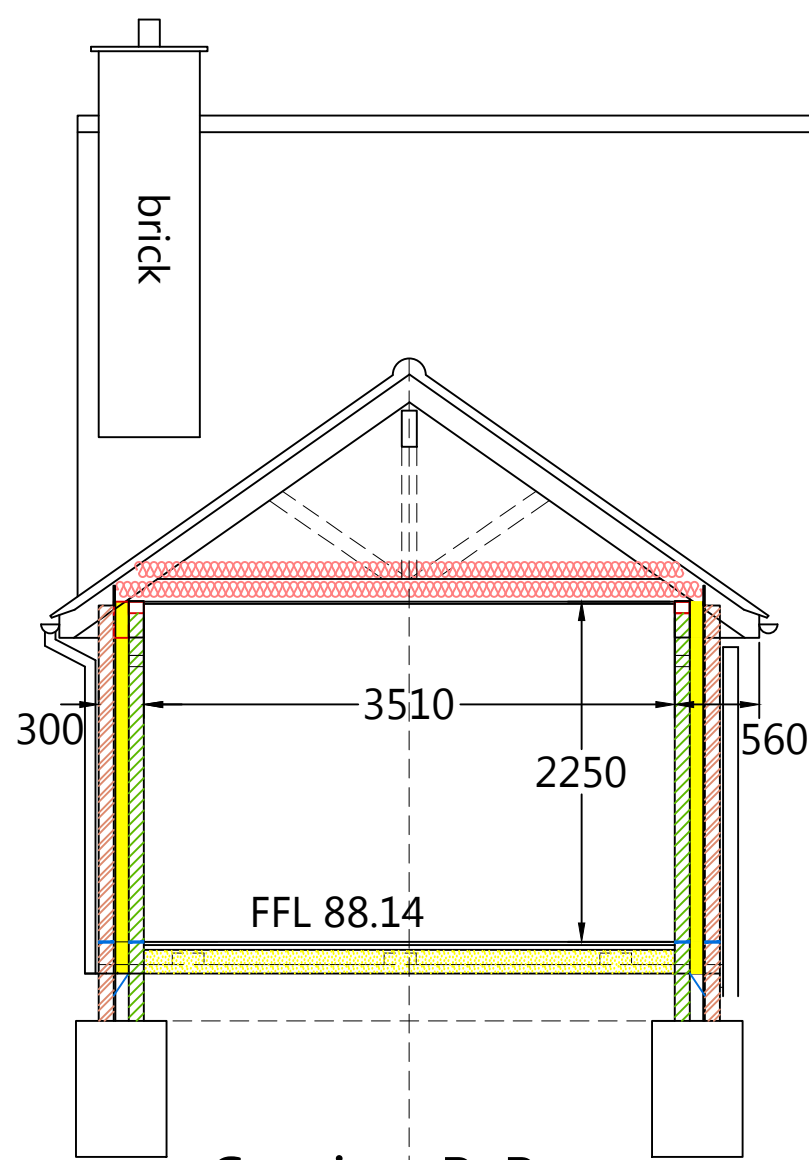
Elevation 3 **SOUTH WEST**

Extension 2720 long with 1m overhanging verge to roof to provide solar shading  
low e solar glass to new patio door



Elevation 4 **SOUTH EAST**

Level Datum 85.00m



Section B-B

**ROOF CONSTRUCTION**

roofing tiles at 36 degrees pitch to match existing  
25 x 38 treated swilling battens  
Tylek vapour permeable/untreatable underlay  
common trussed rafters span 3510, overhang 560 (see section) @ 600 c/s span  
50 x 150 ceiling joists @ 600c's span (bottom boom of trusses)  
trussed rafters to be fixed using proprietary truss shoes  
trussed rafters to be designed, installed and braced to BS 5268-3:2006  
Note cantilevering purlin bracket support to projecting gable on line of wall plate  
See structural submission for above, also ridge beam etc

Alternative roof structure (to match existing) - cut rafter roof  
spanning from wall plate to ridge beam (see structural submission)  
50 x 150 rafters @ 600c's span  
50 x 150 ceiling joists @ 600c's span  
150 x 50 hanger and 200 x 50 binder hung from ridge  
Note - existing lintel above patio door to be removed and beam inserted above ceiling level  
with 100 x 100 prop to ridge beam  
galv steel restraint straps from gable to extend 1800 and be tied to min 3 rafters  
located at centre of rafters

Min 300mm crown roll roof insulation between and over truss ceiling joists  
Roof to give U value of 0.15 W/sqm deg C  
Ceilings from 15mm plasterboard and skim to align with existing  
Wall plate to roof to be held down with galvanized m.s straps  
5 x 30 x 750mm at max 2m c/s (2no straps in this instance)

The ridge tiles are to be installed using a proprietary dry fix system  
providing roof ventilation in accordance with manufacturer's recommendations  
Install proprietary continuous eaves vent tray system to meet NHBC requirements  
Fascias and soffits to match existing - painted finish  
Guttering to be extended to match existing  
rain water from extension to be taken to water but for garden irrigation  
surplus to be taken to soakaway in rear garden area min 5m away from building or boundary

**FLOOR CONSTRUCTION** - suspended timber floor to match existing  
22+g floor decking, 200 x 50 treated sw floor joists @ 400c's  
joists hung on proprietary joist hangers  
150mm celotex XR 4000 between joists retained by chicken wire / battens attached to base of joists  
New floor construction to give U value of 0.18 W/sqm deg C  
void beneath floor to be ventilated using brick vents to match existing construction  
excavated site area to have all organic matter and weeds removed and be treated with weedkiller  
void beneath floor to be min 300 deep and finished with weak mix oversite concrete

Electrical Alterations - amendments to existing installation  
To be undertaken by competent person and receive Part P certification

**WALL CONSTRUCTION**

100mm facing brickwork to match existing, 100mm cavity with 90mm Celotex Thermoclose 21 insulation,  
retaining 10mm low emissivity cavity as per celotex detail  
100mm blockwork inner leaf (medium density)  
plastered internally, skim finish to align with existing finished wall surface  
s.s ties at 600c's horizontally, 450 vertically  
External wall to give U value of 0.18 W/sqm deg C  
Wall insulation taken down to ground level to lap slab edge insulation  
(to minimize thermal bridging)  
Wall plates 75 x 100 sw trapped down to inner leaf at 2m c's with galv metal straps  
Keystone insulated lintels over windows etc  
S/K-110 for wide cavity, blockwork inner leaf

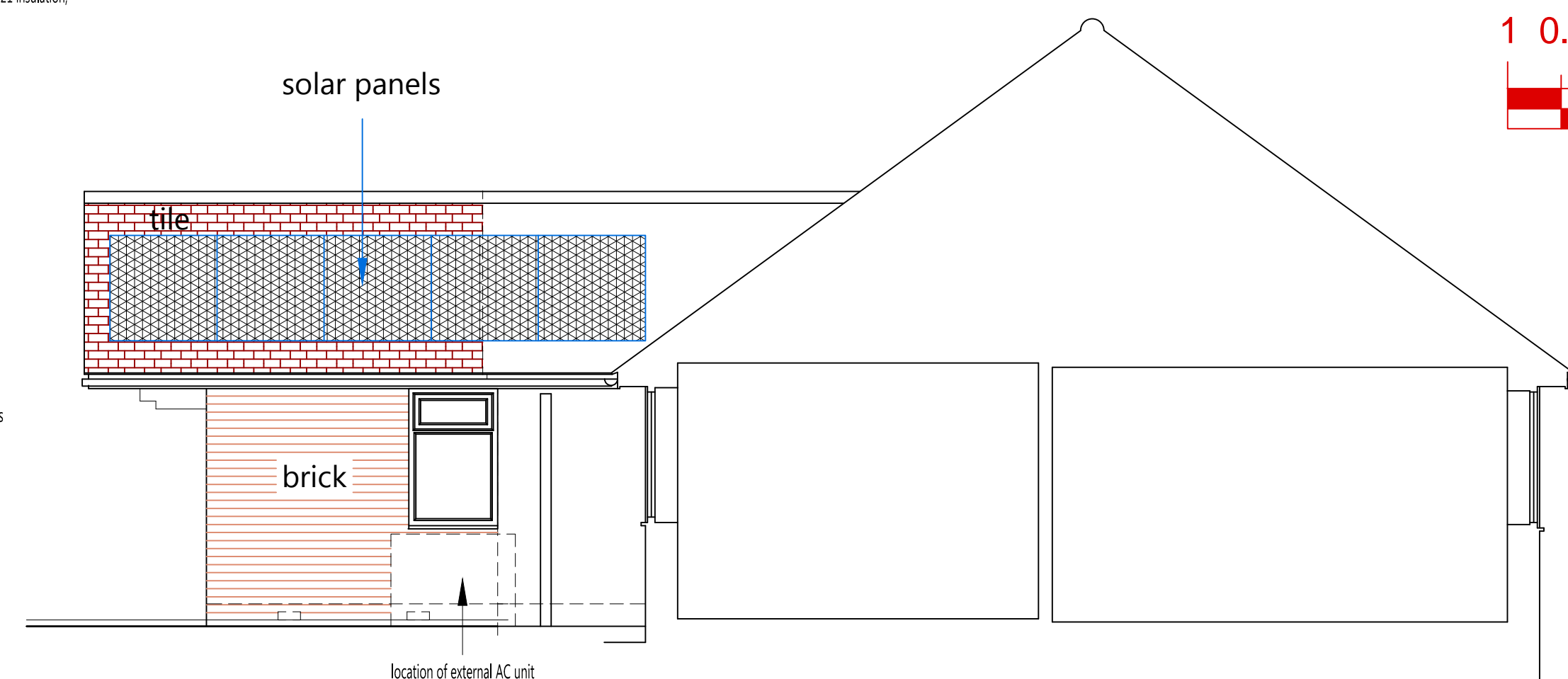
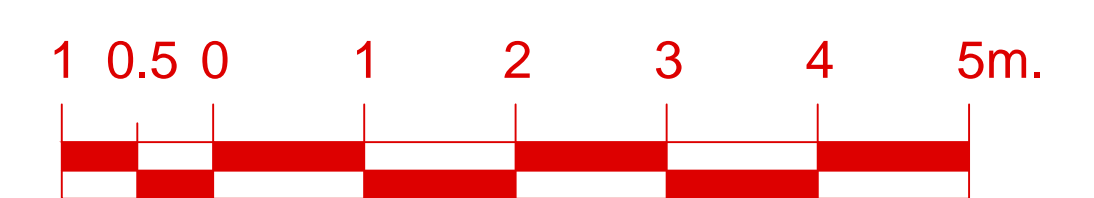
Provide proprietary cavity closers around all window  
and door openings as per the Building Control Specification  
New windows fixed securely into the structural opening  
with M10 x 150mm long proprietary frame fixers  
New windows/ glazed doors to achieve a maximum  
U value of 1.4 W/sqm K to Part L of the building regs

Note - new windows from Ljpac to match extg with trickle vents to building reg requirements  
Note - new lz folding doors by Schuco or similar approved - see plan for suggested spec  
with trickle vents to building reg requirements  
Door and window reveals to be lined with insulated weedboard panels  
to minimize thermal bridging and discoloration arising from condensation

Trench fill foundation as the specification.  
Formation level to be a minimum 1000 mm  
below ground level actual depth to be  
agreed on site with Building Control Officer  
Note - eccentric foundation to end elevation to avoid transgressing line 3m from ST drain  
New d.p.c. minimum 150 mm above finished ground level  
All new internal wall plasterwork is to be prepared and where  
necessary primed (see Dulux's recommendations). It is to be  
painted with one mist coat and then two full coats of  
Dulux Trade Vinyl Matt Emulsion paint.

**ROBUST DETAILS**  
Contractor to ensure robust, airtight details are used throughout  
Sillings to match existing to be sealed to wall / floor with airtight sealant  
window openings to be sealed using proprietary airtight sealing tape  
wall insulation to project below floor insulation to ensure integrity of insulated envelope  
wall insulation to be contiguous with roof insulation and sealed to same  
using blocking between rafters and airtight sealing tape

**SCALE**



Extension 2720 long with 1m overhanging verge to roof to provide solar shading

Section A-A

Level Datum 85.00m

**MAB Architecture**

Mike Butterworth Dip Arch. R.I.B.A Chartered Architect  
3 Alpha House, Farmer Ward Road, Kenilworth CV8 2ED  
Tel: 01928 859007

**Description:**

PROPOSED EXTENSION

19 PARK HILL  
KENILWORTH  
CV8 2JG

PROPOSED ELEVATIONS AND SECTION

1:100@A3  
Scale: 1:50@A1 Date: 08/23 Drawn: MAB  
Drawing No. 2044/13 B