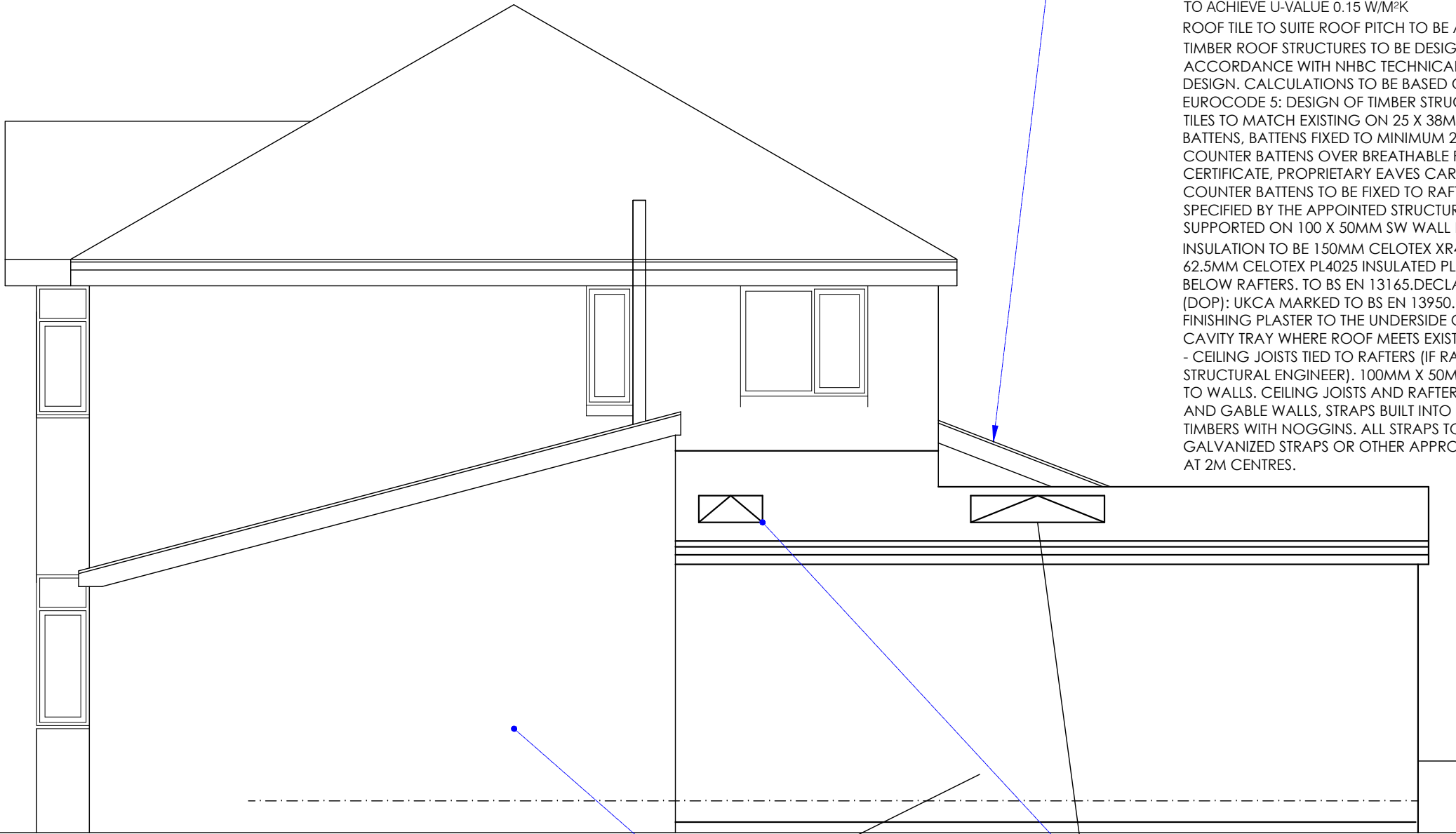




PITCHED ROOF
TO ACHIEVE U-VALUE 0.15 W/M²K
ROOF TILE TO SUITE ROOF PITCH TO BE AGREED WITH CLIENT
TIMBER ROOF STRUCTURES TO BE DESIGNED BY AN ENGINEER IN
ACCORDANCE WITH NHBC TECHNICAL REQUIREMENT R5 STRUCTURAL
DESIGN. CALCULATIONS TO BE BASED ON BS EN 1995-1-1:2004
EUROCODE 5: DESIGN OF TIMBER STRUCTURES (+A2:2014). ROOFING
TILES TO MATCH EXISTING ON 25 X 38MM TANALISED SW TREATED
BATTENS, BATTENS FIXED TO MINIMUM 25MM THICK TREATED VERTICAL
COUNTER BATTENS OVER BREATHABLE FELT TO RELEVANT BBA
CERTIFICATE, PROPRIETARY EAVES CARRIER SYSTEM TO BE INSTALLED.
COUNTER BATTENS TO BE FIXED TO RAFTERS AS DESIGNED AND
SPECIFIED BY THE APPOINTED STRUCTURAL ENGINEER. RAFTERS
SUPPORTED ON 100 X 50MM SW WALL PLATES.
INSULATION TO BE 150MM CELOTEX XR4000 BETWEEN RAFTERS AND
62.5MM CELOTEX PL4025 INSULATED PLASTERBOARD (50+12.5MM)
BELOW RAFTERS. TO BS EN 13165. DECLARATION OF PERFORMANCE
(DOP): UKCA MARKED TO BS EN 13950. FINISH WITH 3MM SKIM COAT OF
FINISHING PLASTER TO THE UNDERSIDE OF ALL CEILINGS. PROVIDE
CAVITY TRAY WHERE ROOF MEETS EXISTING WALL. RESTRAINT STRAPPING
- CEILING JOISTS TIED TO RAFTERS (IF RAISED COLLAR ROOF CONSULT
STRUCTURAL ENGINEER). 100MM X 50MM WALL PLATE STRAPPED DOWN
TO WALLS. CEILING JOISTS AND RAFTERS TO BE STRAPPED TO WALLS
AND GABLE WALLS, STRAPS BUILT INTO CAVITY, ACROSS AT LEAST 3
TIMBERS WITH NOGGINS. ALL STRAPS TO BE 1200 X 30 X 5MM
GALVANIZED STRAPS OR OTHER APPROVED TO BS EN 845-1 (+A1:2016)
AT 2M CENTRES.

EXTERNAL WALL
TO ACHIEVE MIN U-VALUE REQUIRED OF 0.18 W/M²K
WALL CONSTRUCTED USING BRICKWORK TO MATCH
EXISTING AT LEAST 225MM THICK. INSULATE WALL ON
THE INSIDE USING 125MM CELOTEX GA4000
INSULATION. FINISH WITH 12.5MM PLASTERBOARD
OVER VCL AND 3MM SKIM COAT OF FINISHING
PLASTER. BATTEN OUT TO PROVIDE A NOMINAL 25MM
CAVITY BETWEEN THE MASONRY AND INSULATION
(50MM CAVITY TO BE PROVIDED IF REQUIRED BY
BUILDING CONTROL).
WALL INTO BE PROVIDED WITH A VANDEX SLURRY
INTERNALLY IF REQUIRED BY BCO.

ROOFLIGHT
TO ACHIEVE MIN U-VALUE REQUIRED OF 0.14 W/M²K
FITTED IN ACCORDANCE WITH MANUFACTURER'S
SPECIFICATION AND DETAIL

PROPOSED SIDE ELEVATION

1m 0m

1:200 0 2 4 6 8 10 metres

1:100 0 1 2 3 4 5 metres

1:50 0 0.5 1 1.5 2 2.5 metres

1:20 0 0.2 0.4 0.6 0.8 1 metres

Notes



ICE Arch Ltd take no responsibility for any dimensions obtained by scaling from this drawing. If no dimension is shown the recipient must ascertain the dimension specifically from the Architect or by site measurement. Supplying this drawing in digital form is solely for convenience and no reliance may be placed on digital data. All data must be checked against hard copy. Dimensions must be checked on site. Any discrepancies must be reported to the Architect immediately.

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Drawings to be read in conjunction with Structural Engineers, Mechanical and Electrical Engineers, Specialist Manufacturers and Sub-contractors drawings and specification.

These drawings have been prepared without the benefit of exposing underlying construction and therefore assumptions have been made. Prior to commencement the contractor must contact ICE Arch Ltd to agree the necessary scope of investigation works, to confirm on site conditions. It should be noted that the results of these investigations may require the drawings and structural design to change.

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NOTE: PLANS TO BE READ IN CONJUNCTION WITH STRUCTURAL ENGINEERS, M&E ENGINEERS, LANDSCAPE ARCHITECT'S AND SPECIALIST SUPPLIERS/ MANUFACTURERS DRAWINGS AND DETAILS

NOTE: DO NOT SCALE OFF THIS DRAWING. ALL DIMENSIONS AND SETTING OUT TO BE CONFIRMED PRIOR TO WORK COMMENCING. DIMENSIONS DO NOT INCLUDE PLASTER UNLESS REFERRED TO AS FINISHED. FIGURED DIMENSIONS TO BE FOLLOWED IN PREFERENCE TO SCALE.

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Revision	Comment	Date
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Drawing
PROPOSED ELEVATION 2: SIDE

Drawn by AT-S	Scale 1:50 @ A3	Drawing Number 220101 - 201	Drawing Revision BR7
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