

- KEY:**
- ROOF TYPE 1**  
115MM KINGSPAN QUADCORE K51000 RW ROOF PANEL (146MM OVERALL)
  - ROOF TYPE 2**  
IKO GOLDFEAL HYBRID SYSTEM
  - GUTTER**  
PLASTISOL COATED STEEL GUTTER
  - PARAPET**  
PPC ALUMINIUM PARAPET COPING SYSTEM
  - DOWNPIPES**  
PLASTISOL COATED STEEL DOWNPIPE SYSTEM
  - FLASHING**  
IKOFASH LEAD FREE FLASHING COMPLETE WITH IKOPRO STICKALL MASTIC SEALANT
  - BRICKWORK GABLE END**  
EXISTING GABLE END WALL TO BE RAISED BY 2NO. COURSES (150MM)
  - WALL PANELS**  
73MM KINGSPAN QUADCORE K51000 RW WALL PANEL (104MM OVERALL)

- SCHEDULE OF WORKS:**
1. INFILL EXISTING ROOF OPENINGS WITH NEW STRUCTURAL DECK TO MATCH EXISTING.
  2. RAISE EXISTING BRICKWORK GABLE END BY 2NO. COURSES (150MM) TO PROVIDE A MINIMUM UPSTAND FROM THE ROOF FINISH OF 150MM. WALL TO BE 215MM THICK SOLID BRICKWORK COMPRISING 2NO. STRETCHER BOND LEAVES OF BRICKWORK TO MATCH EXISTING TIED TOGETHER. WALL TO BE POINTED IN COLOUR TO MATCH EXISTING POINTING.
  3. INSTALL 115MM (146MM OVERALL) KINGSPAN QUADCORE K51000 RW ROOF PANELS TO PITCHED SECTIONS OF ROOF INCLUDING ALL ASSOCIATED FLASHINGS ETC. U-VALUE OF 0.16W/M2K REQUIRED.
  4. INSTALL IKO GOLDFEAL HYBRID SYSTEM INCLUDING ALL ASSOCIATED FLASHINGS ETC ON EXISTING STRUCTURAL METAL DECK. U-VALUE OF 0.18W/M2K REQUIRED.
  5. INSTALL ALL NECESSARY FLASHINGS TO EXISTING BRICKWORK PARAPET WALLS.
  6. INSTALL PLASTISOL COATED STEEL GUTTER & DOWNPIPES.
  7. INSTALL PPC ALUMINIUM PARAPET COPING SYSTEM. PARAPET COPING SYSTEM TO EXTEND OUT PAST THE FACE OF THE WALL TO SHED ANY RAINWATER OFF THE FACE OF THE BRICKWORK.
  8. INSTALL 73MM (104MM OVERALL) KINGSPAN QUADCORE K51000 RW WALL PANELS TO PANELS ABOVE DOORS INCLUDING ALL ASSOCIATED FLASHINGS ETC. U-VALUE OF 0.25W/M2K REQUIRED.

- SUB-CONTRACTOR SCOPE OF WORKS:**
- THE TENDER DRAWINGS INDICATE DESIGN INTENT ONLY. THE SUB-CONTRACTOR IS RESPONSIBLE FOR REVIEWING THE INFORMATION PROVIDED TO ASCERTAIN WHETHER ANY ADDITIONAL INFORMATION IS NEEDED TO COMPLETE THE TECHNICAL DESIGN.
  - THE SUB-CONTRACTORS TECHNICAL DESIGN IS TO INCLUDE THE FOLLOWING:
    - A. ENGINEERING OF THE SYSTEM AS A WHOLE, INCLUDING STRUCTURAL CALCULATIONS FOR COMPONENTS & FIXINGS.
    - B. WIND UPLIFT CALCULATIONS.
    - C. DESIGN OF ALL SUPPORTING FRAMEWORK & FIXINGS.
    - D. DESIGN OF THE REPLACEMENT RAINWATER GOODS DEMONSTRATING THAT THEY ARE ADEQUATELY SIZED FOR THE BUILDING LOCATION & ROOF CATCHMENT AREA.
    - E. DESIGN, SEQUENCING, MANAGEMENT & PROVISION OF ALL INTERFACES WITH OTHER SUB-CONTRACTORS.
    - F. COMPLETION OF THE TECHNICAL DESIGN IS TO COMPLY WITH ALL DIMENSIONS, VISUAL REQUIREMENTS & PERFORMANCE REQUIREMENTS INDICATED ON THE TENDER DRAWINGS.
  - ANY SUPPORTING ELEMENTS WILL BE FIXED BACK TO THE EXISTING STRUCTURAL STEEL FRAME.
  - ALL FLASHINGS & PERIMETER TRIMS/CAPPINGS INDICATED ON THE TENDER DRAWINGS ARE DEEMED TO BE INCLUDED.
  - ANY ADDITIONAL ELEMENTS SUCH AS SECONDARY STEELWORK, FIXING BRACKETS, FLASHINGS ETC REQUIRED BY THE SUB-CONTRACTOR TOGETHER WITH ANY DESIGN DEVELOPMENT NECESSARY TO COMPLETE THE WORK WHICH ARE NOT INDICATED ON THE TENDER DRAWINGS MUST BE PROVIDED BY THE SUB-CONTRACTOR TO ACHIEVE A SATISFACTORY INSTALLATION IN ACCORDANCE WITH THE PRODUCT MANUFACTURERS REQUIREMENTS.

- PROJECT RISKS:**
1. IT IS UNKNOWN WHETHER THE EXISTING STRUCTURAL ROOF DECK WILL ACHIEVE THE MINIMUM CONTACT AREA OF 47% WHICH IS REQUIRED FOR FULLY BONDED SYSTEMS.
  2. THE CONDITION OF THE EXISTING BRICKWORK PARAPETS IS UNKNOWN & WILL ONLY BECOME APPARENT FOLLOWING REMOVAL OF THE EXISTING FLASHINGS.
  3. IT MAY BE NECESSARY TO RAISE THE HEIGHT OF THE EXISTING PARAPET DUE TO THE INCREASED ROOF DEPTH FOLLOWING THE INSULATION INSTALLATION. THIS HAS BEEN IDENTIFIED IN THE SCHEDULE OF WORKS HOWEVER IT MAY NOT BE REQUIRED IF THERE IS A SUFFICIENT UPSTAND ON TOP OF THE ROOF INSULATION.

Rev	Description	Date
P01	Planning Submission	06/01/24
P02	Building Control Submission	04/01/24
T02	Issued to Estimating. Revisions as shown.	14/09/23
T01	Issued to Estimating.	10/07/23
P03	Preliminary issue to Client for approval.	04/07/23

**North Tyneside Council**  
Design Services  
The Killingworth Site  
Block A  
Station Road  
Killingworth  
NE12 6QQ



**North Tyneside Council**

Project  
No. 9 Algeron Industrial Estate

Title  
PROPOSED ROOF PLAN,  
SECTION & DETAILS

Dwg. Status  
PRELIMINARY

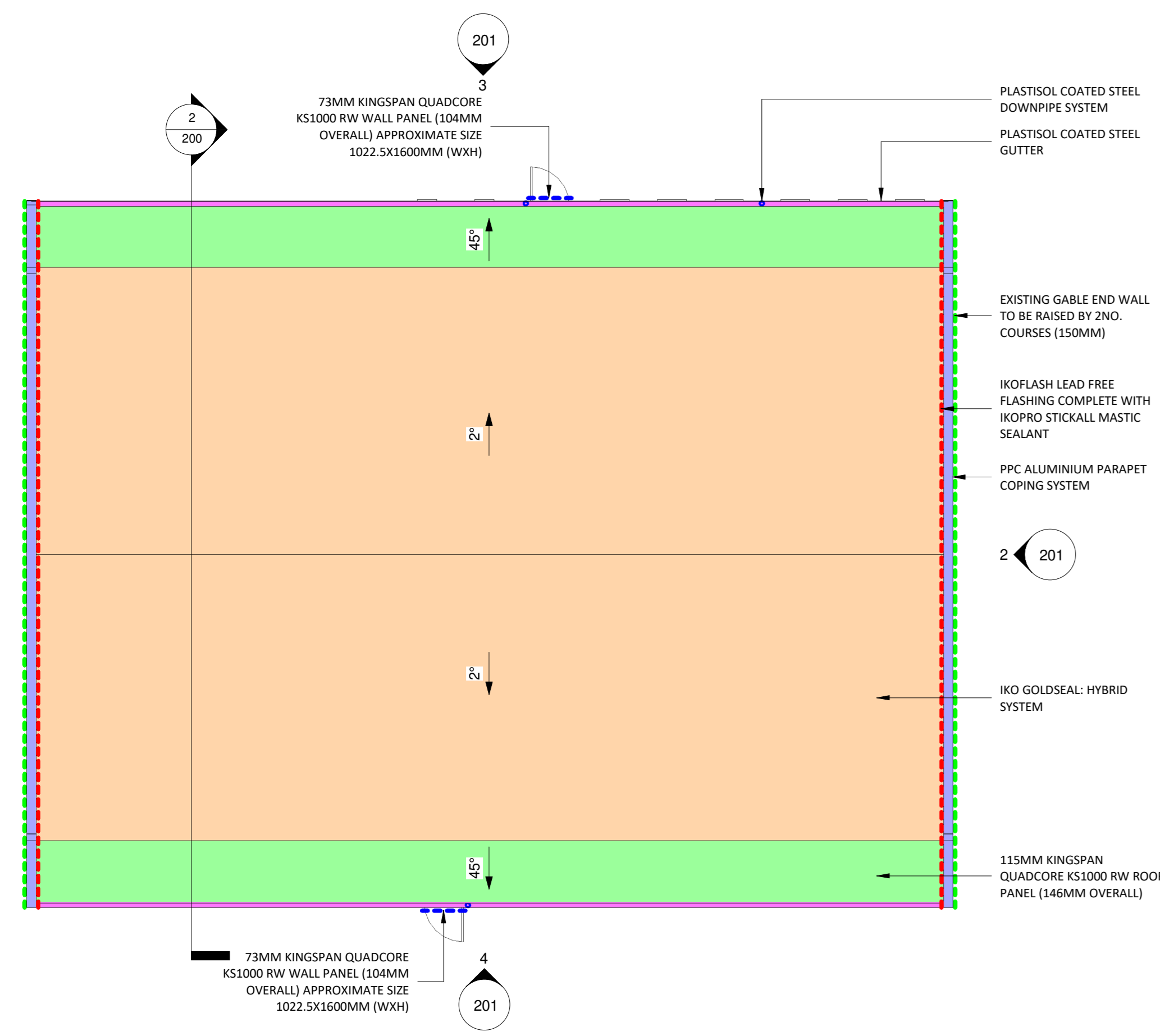
Drn. By RJe

Checked By RJe

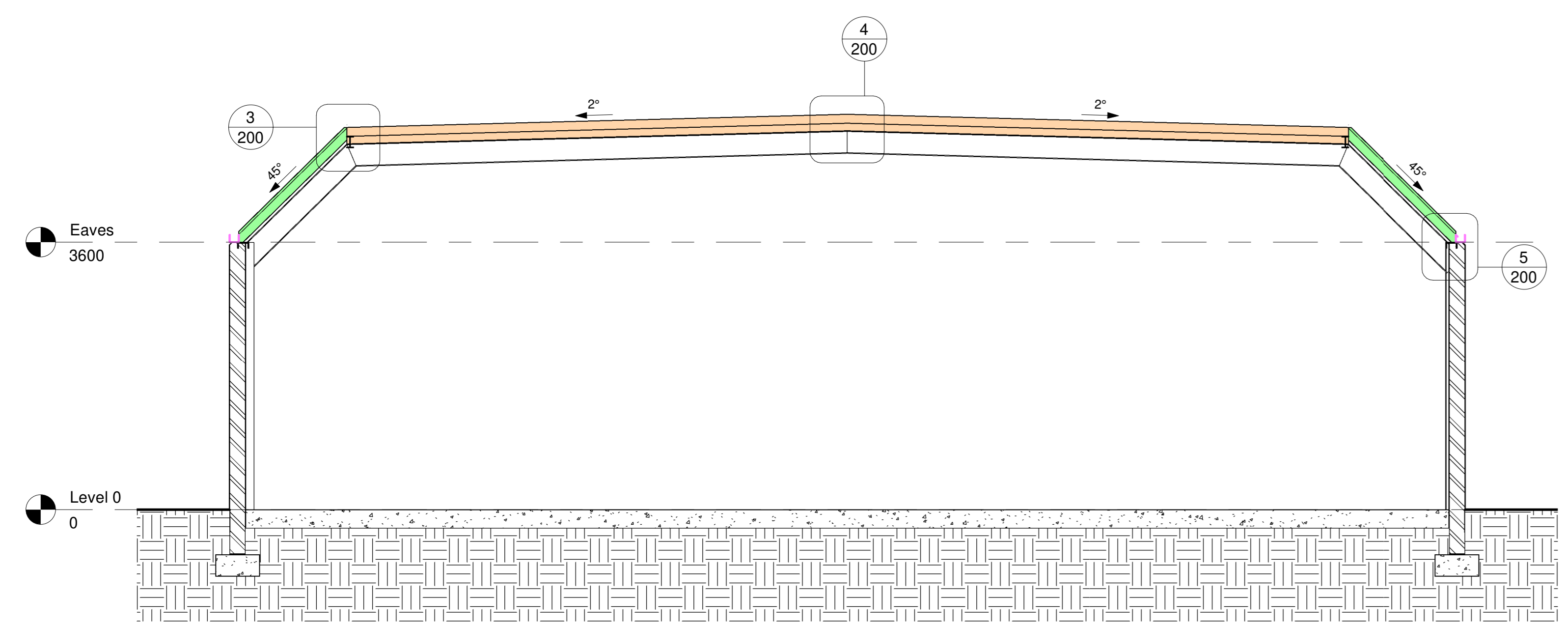
Scale As indicated @ A0

Date 01/23/07

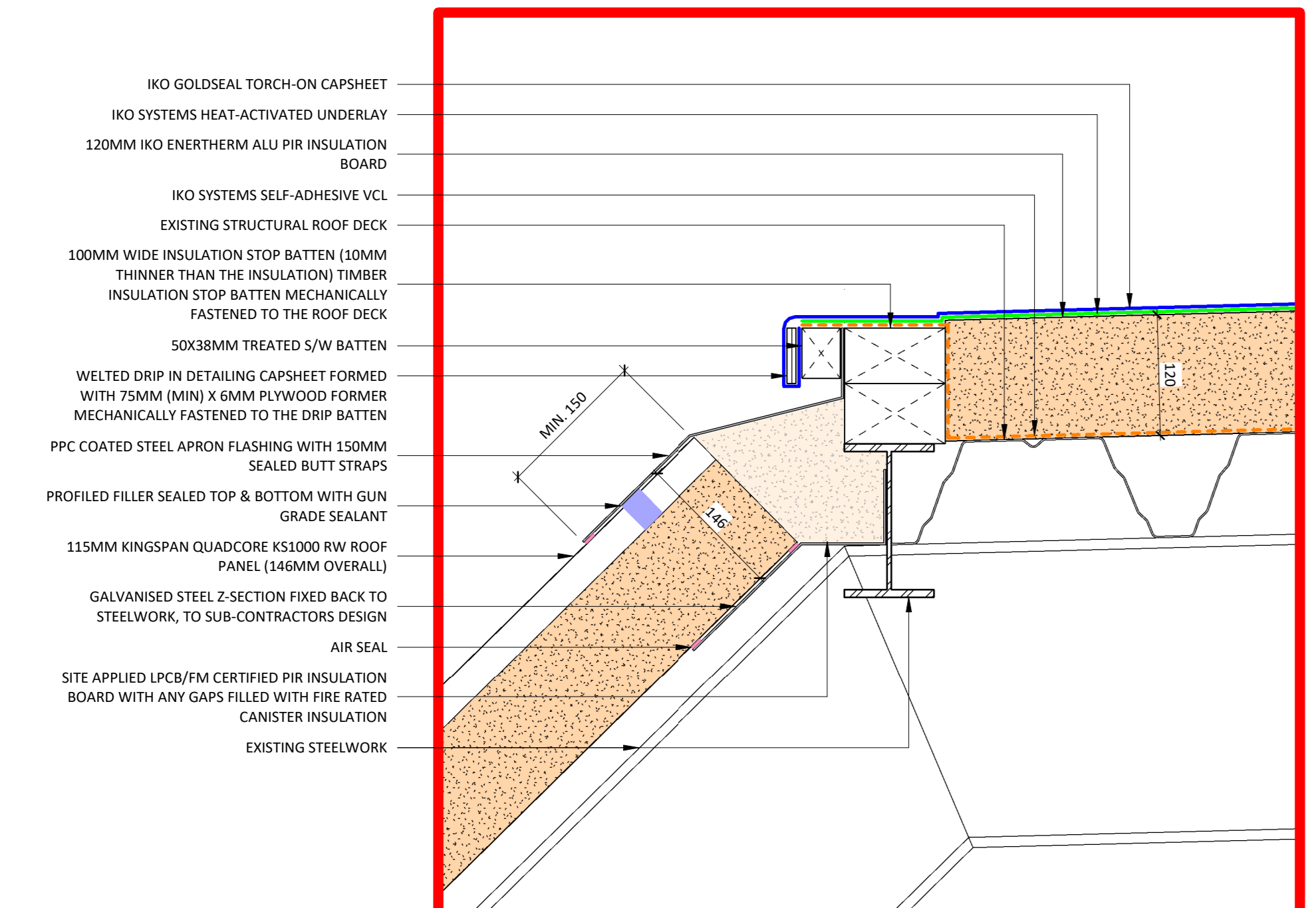
Proj Ref. - Drg. No.	REV
23-051 - 200	P03



**1 PROPOSED ROOF PLAN**  
1 : 100

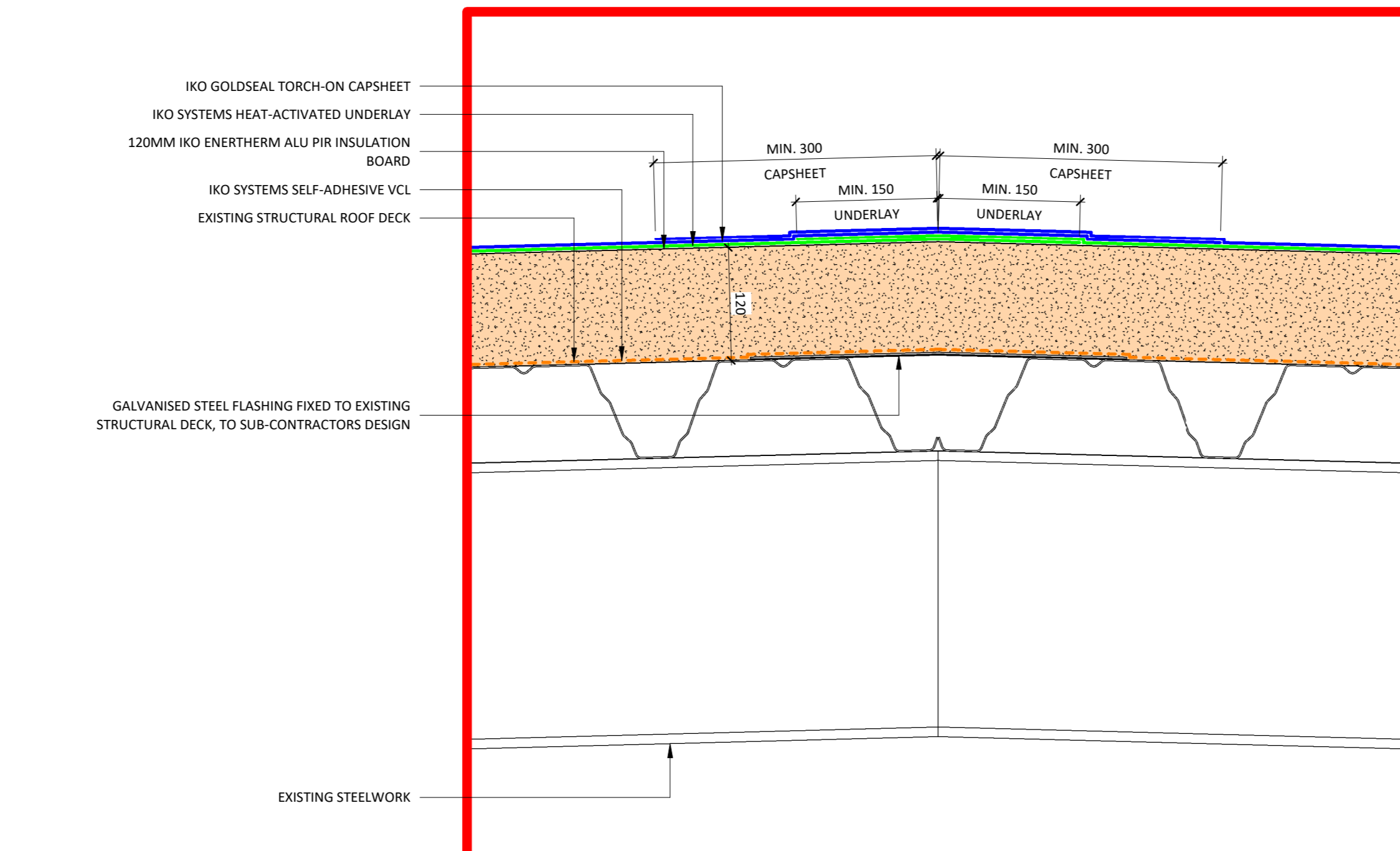


**2 PROPOSED SECTION 1-1**  
1 : 50



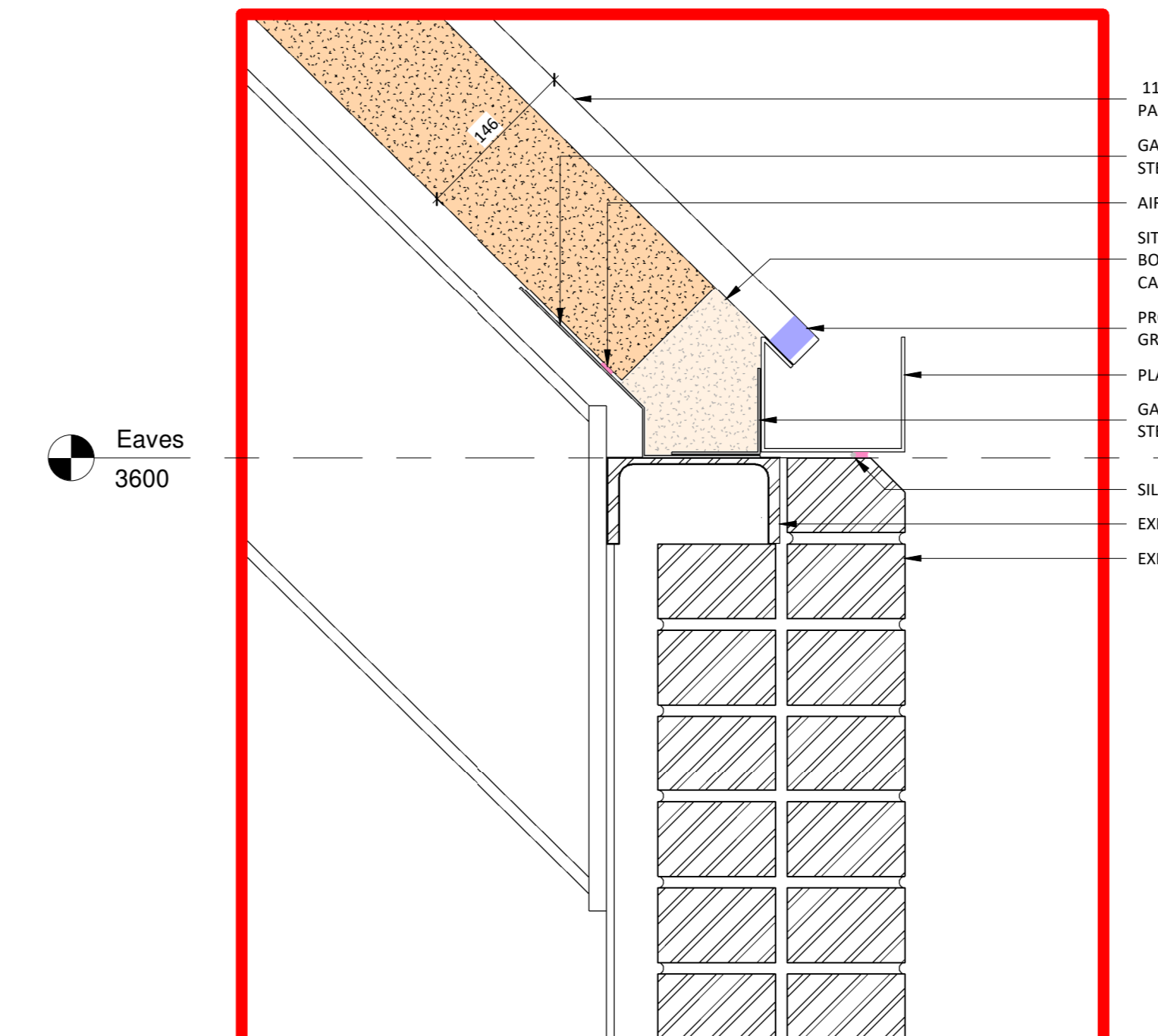
**3 ROOF PITCH TRANSITION DETAIL**  
1 : 5

DRAWINGS INDICATE DESIGN INTENT ONLY. FINAL DETAIL TO BE PRODUCED BY SUB-CONTRACTOR & AGREED WITH LEAD DESIGNER.



**4 RIDGE DETAIL**  
1 : 5

DRAWINGS INDICATE DESIGN INTENT ONLY. FINAL DETAIL TO BE PRODUCED BY SUB-CONTRACTOR & AGREED WITH LEAD DESIGNER.



**5 EAVES DETAIL**  
1 : 5

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