

Great Lakes UK Limited
Proposed Great Wolf Lodge, Chesterton, Bicester

Condition 05 - Schedule of Architectural Details - Conditions Discharge Report

10875-EPR-ZZ-XX-RP-A-20-0005

02 June 2023



Artist's impression for illustrative purposes only.

EPR ARCHITECTS



Condition 5 - Architectural Detailing

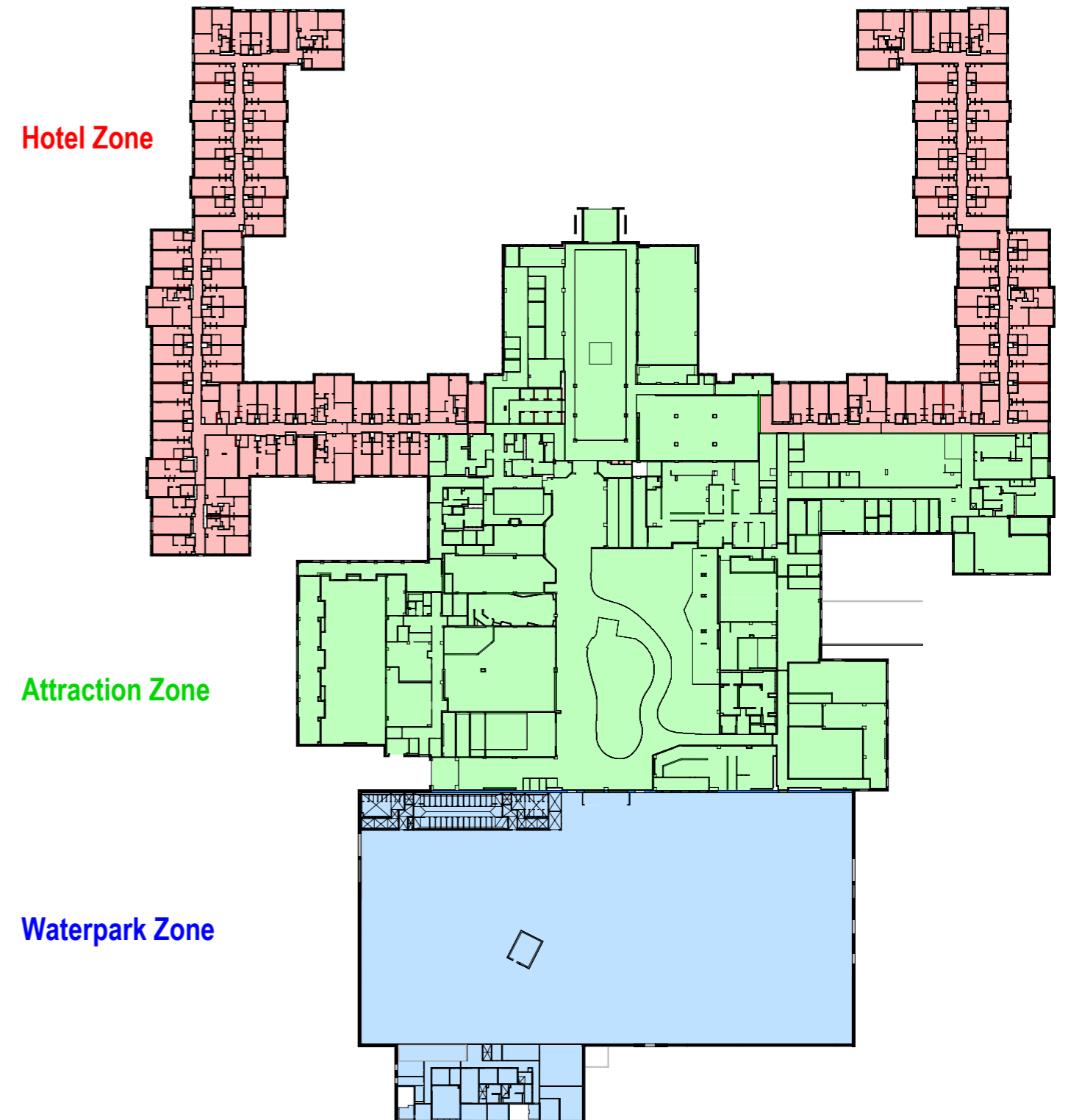
Condition Wording

Notwithstanding the details shown on the approved plans, details of the architectural detailing of the exterior of the buildings, including the windows and doors (and their surrounds), together with the eaves and verge treatment shall be submitted to and approved in writing by the local planning authority prior to the construction of the buildings above slab level. Development shall be carried out in accordance with the approved details.

No.	Revision	Date	Prep'd	Ck'd
P01	For Information	01.06.2023	SH	SB

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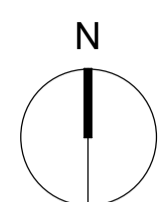
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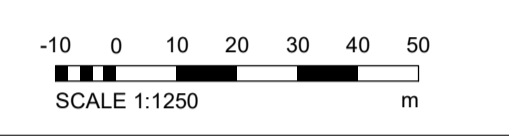
1.0 Site Plan



Keyplan



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- Notes:**
1. This drawing has been prepared for use in connection with the application for planning consent for the project only.
 2. Landscape shown for illustrative purposes only; refer to Landscape Architect's for Landscape proposals for further details.
 3. Tree locations & existing trees beyond site perimeter - indicative - for illustrative purposes only.
 4. This document/drawing/model contains design information provided by a third party which is included for reference purposes only. This design information has not been checked or verified by EPR Architects and EPR Architects accepts no liability for it.

C01	Planning Amendment Issue	08.02.23	VM	AJ
P06	S2 - Planning Addendum Issue	10.12.21	NG	AJ
P08	S2 - Planning draft issued for information	07.12.21	NG	AJ
P04	Planning Issue - Generator added	25.11.19	CT	AJ
P03	Planning Issue	08.11.19	LGO	AJ
P02	Preliminary Planning Issue	30.10.19	LGO	AJ
P01	Preliminary Planning Issue	25.10.19	LGO	CT
No.	Revision	Date	Initial	Chk'd

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Proposed Great Wolf Lodge - Chesterton, Bicester, Oxfordshire
 EPR Project No 10875

Proposed Site Plan

Scale @A1 Purpose of Issue Status code Revision
 As indicated Published **A4 - C01**

Project Code Originator Zone Level Type Rate Class Number
 10875 - EPR - 00 - ZZ - DR - A - TP-0102

2.0 Roof Details

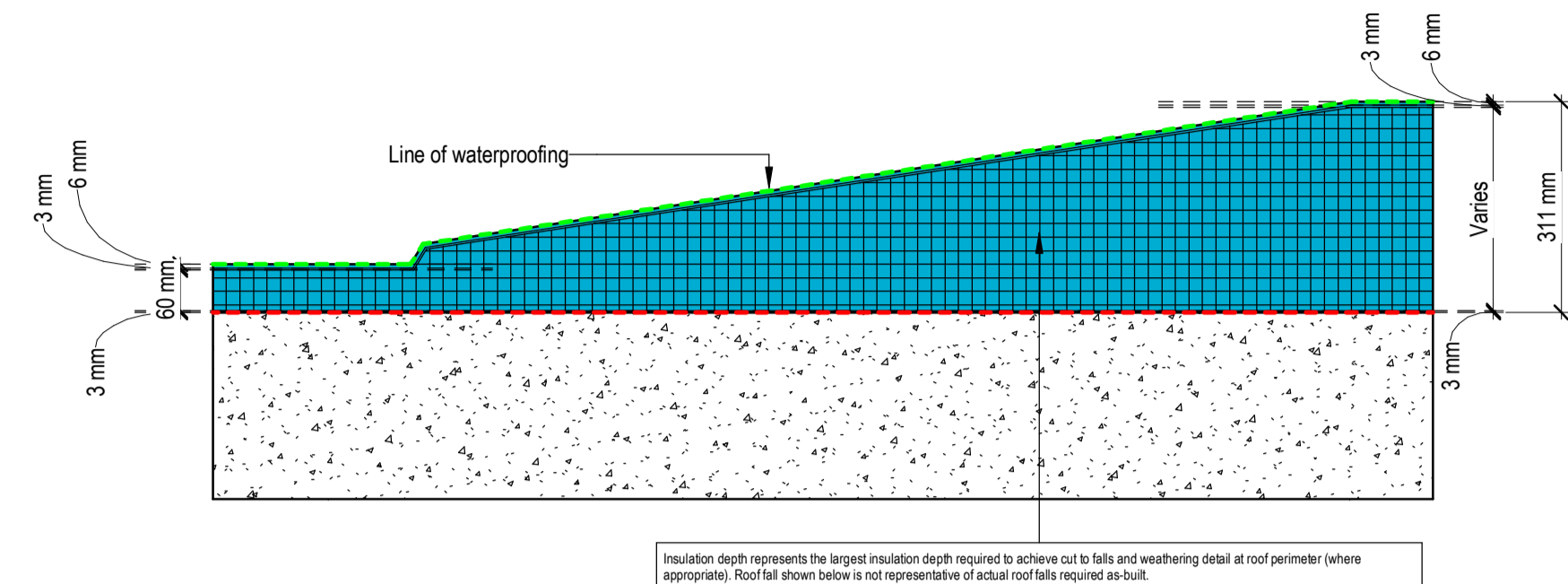
2.1 Roof Types

2.2 Roof Interface Scope

23 Roof Interface Details

2.1 Roof Types

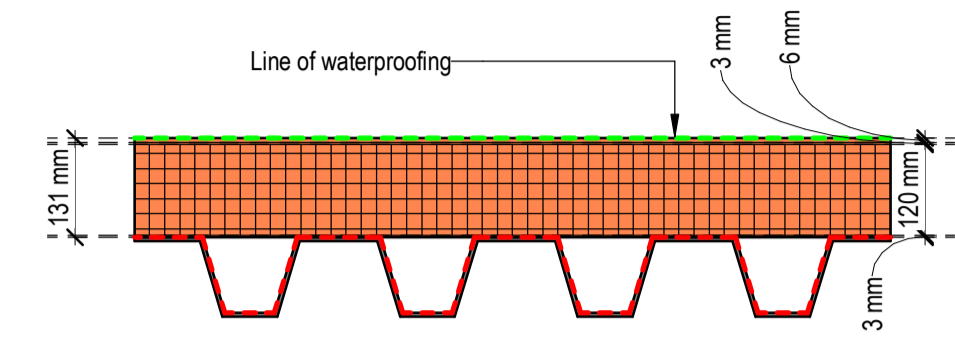
Roof_Type_01A



Insulation depth represents the largest insulation depth required to achieve cut to falls and weathering detail at roof perimeter (where appropriate). Roof fall shown below is not representative of actual roof falls required as built.

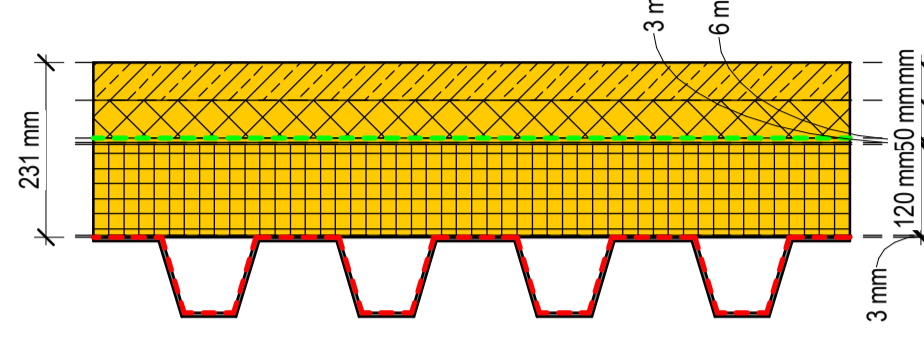
- 5.5mm Blumex Capping Sheet
 - 3mm Underlay layer with reinforcement
 - PIR Insulation Zone (Tapered Insulation)
 - 2.5mm VCL and Adhesive Layer
 - Concrete Substrate as per S.Eng details
- U-Value: 0.18 W/m2K (average required, minimum 0.35 required at rainwater outlet locations).
Roof is designed to achieve a minimum fall of 1:80 as-built. Therefore an assumed 1:40 design fall is to be used when designing a manufacturer's designed system.

Roof_Type_01B



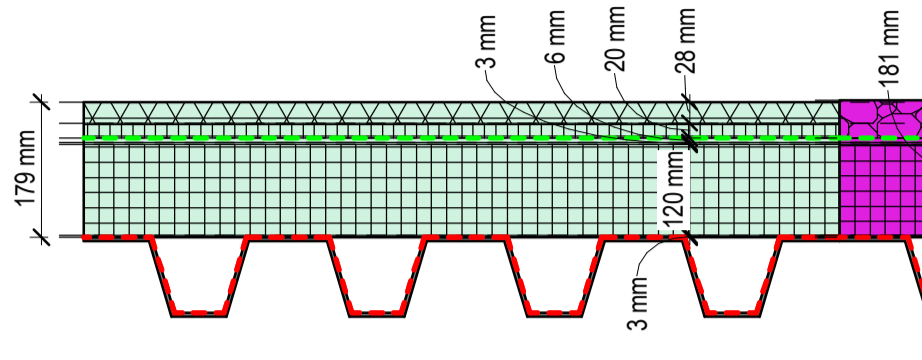
- 5.5mm Blumex Capping Sheet
 - 3mm Underlay layer with reinforcement
 - 120mm PIR Insulation Zone (Flat Insulation on Sloped Structure)
 - 2.5mm VCL and Adhesive Layer
 - Metal Deck/Substrate as per S.Eng details
- U-Value: 0.18 W/m2K (average required, minimum 0.35 required at rainwater outlet locations).
Roof is designed to achieve a minimum fall of 1:80 as-built. Therefore an assumed 1:40 design fall is to be used when designing a manufacturer's designed system.

Roof_Type_01C



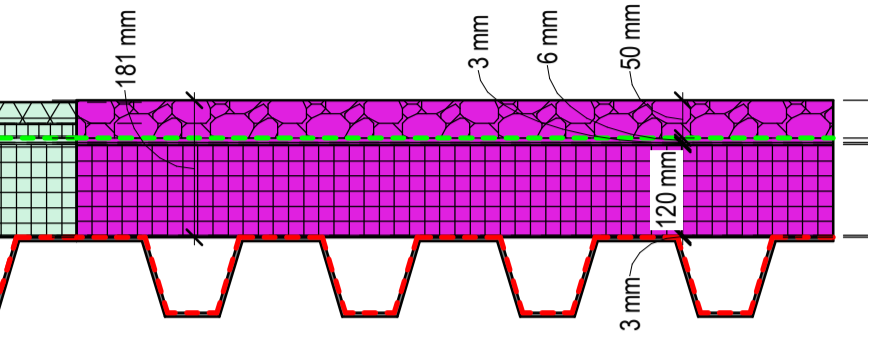
- 50mm Concrete Paving Slabs
 - 50mm Adjustable Pedestal Zone
- Remaining build-up as per Roof Type 1-B below the finishes noted above

Roof_Type_01D



- 28mm Sedum Blanket Zone
 - 20mm Sedum Drainage Matting Zone
- Remaining build-up as per Roof Type 1-B below the finishes noted above

Roof_Type_01E



- 50mm Gravel Finishes
- Remaining build-up as per Roof Type 1-B below the finishes noted above

Keyplan

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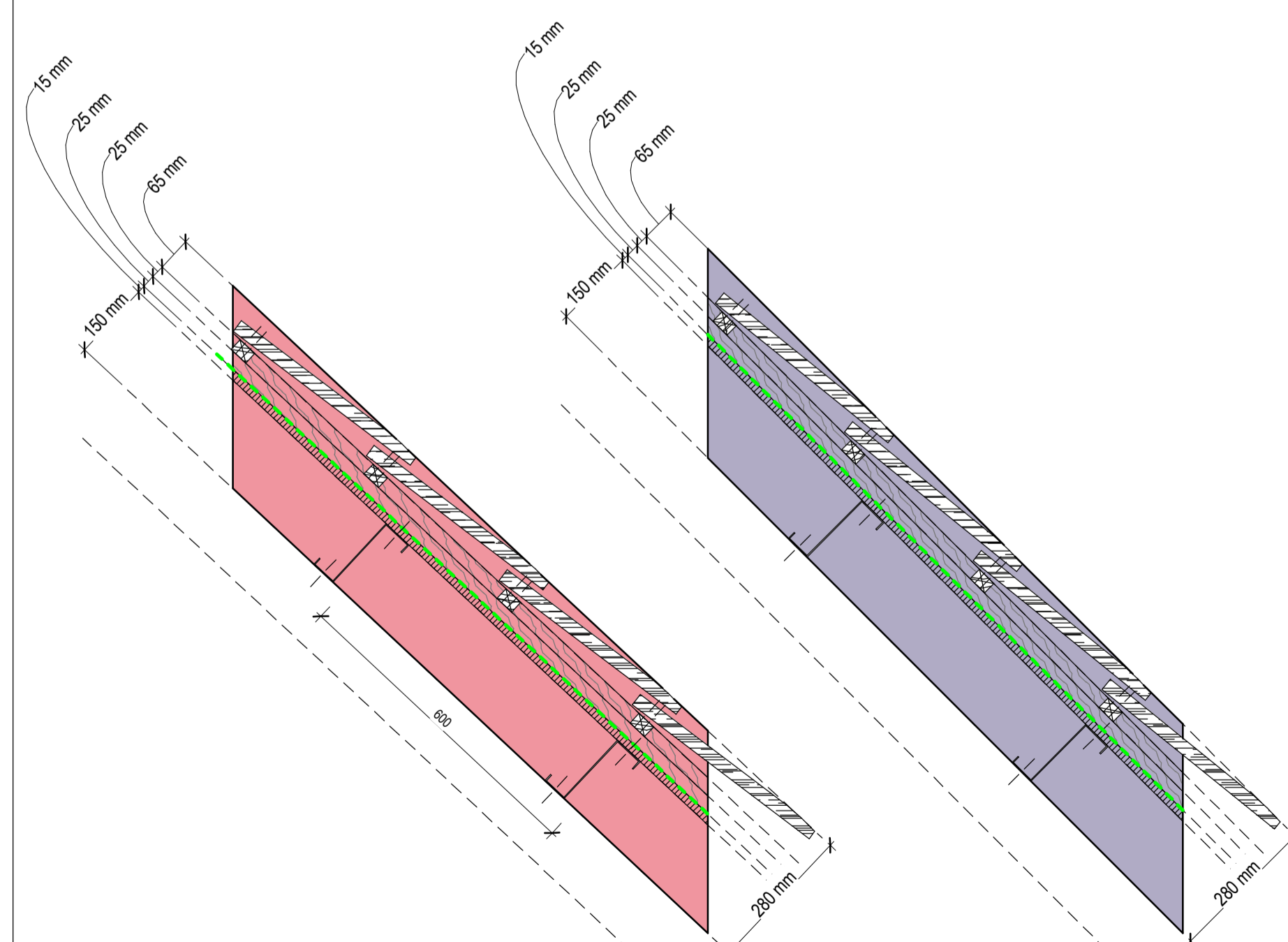
Current Revision Description (Post Final Stage 4 Submission)

Key Legend For 27 - Roofs:

Roof Type: A-EPR-RF-Roof Type 1A Roof Type Details	
Warm Flat Roof, flat insulation, roofing finish only	
Roof Type: A-EPR-RF-Roof Type 1B Roof Type Details	
Warm Flat Roof, flat insulation, roofing finish only	
Roof Type: A-EPR-RF-Roof Type 1C Roof Type Details	
Warm Flat Roof, flat insulation, roofing finish with Paving Slabs or Pedestals only to Green Roof	
Roof Type: A-EPR-RF-Roof Type 1D Roof Type Details	
Warm Flat Roof, flat insulation, roofing finish with Green roof system finish	
Roof Type: A-EPR-RF-Roof Type 1E Roof Type Details	
Warm Flat Roof, flat insulation, roofing finish with Gravel finish	
Roof Type: A-EPR-RF-Roof Type 2 Roof Type Details	
Flat roof, un-insulated, dark red tile finish	
Roof Type: A-EPR-RF-Roof Type 3 Roof Type Details	
Flat roof, un-insulated, dark grey tile finish	
Roof Type: A-EPR-RF-Roof Type 4 Roof Type Details	
Flat roof, insulated, dark red tile finish	
Roof Type: A-EPR-RF-Roof Type 5 Roof Type Details	
Flat roof, insulated, Conglomerate/Slate Finish - Green	
Insulation	
PIR Tapered Insulation	
Slime Wool Insulation (to slab under hold in roof/beam joint)	
Timber/EPDM Line	
Exact Specification in TBC	
Timber/Protective Layer	
Exact Specification in TBC	
EPDM	
Vapour Control Layer	
Roofing Membrane/Weather Line	
Cable Barriers	
Cable Barriers are indicated diagrammatically and are shown for planning purposes only. The final location and design of cable barriers are subject to the local authority in consultation with the structural engineer and building control as part of completing the COP works.	
Cable Tray	
Notes:	
• All roofing upstands to have a non-combustible insulation used.	
• All roof penetrations to be adequately fire stopped as required to meet fire strategy report.	
• Acoustic requirements to achieve the minimum acoustic performance standards as set in the latest Hoare Lea acoustic report.	
• All areas of roof to meet the B1 roof fire classification.	
• Fabric Air Permeability to achieve a maximum of 3 m3/m2h @ 50 Pa	
• All Rainwater Downpipes and Gutters to be PPC Aluminium - Grey - Exact RAL Colour as TBC	
• Refer to drawing 10875-EPR-ZZ-ZZ-DR-A-21-1010 for Materials Palette	
• Fire strategy to hold roof void to MEP engineers design with route to compliance as agreed with BCO.	

Roof_Type_02

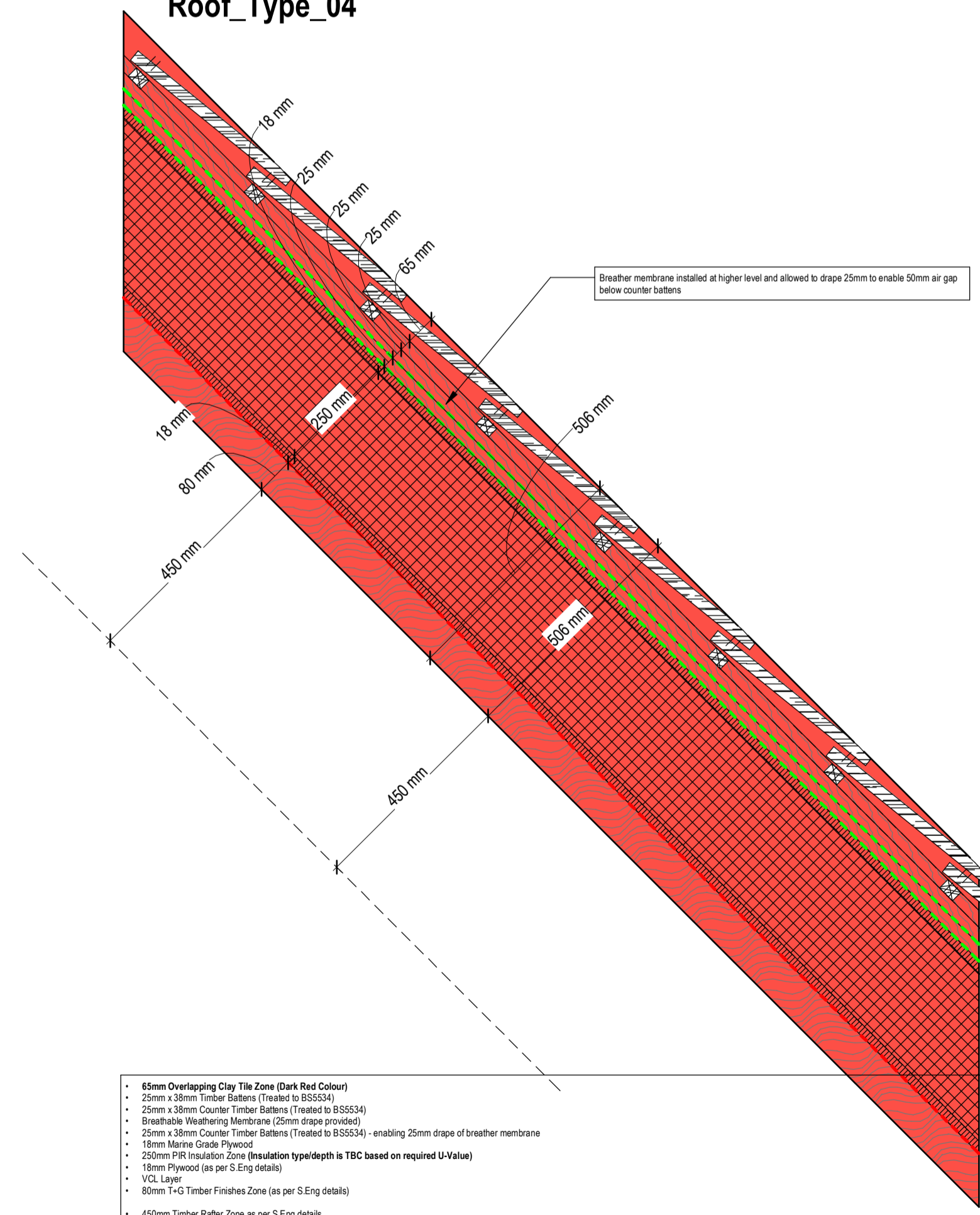
Roof_Type_03



- 65mm Overlapping Clay Tile Zone (Dark Red Colour)
- 25mm x 38mm Timber Batters (Treated to BS5534)
- 25mm x 38mm Counter Timber Batters (Treated to BS5534)
- Breathable Weathering Membrane
- 15mm Marine Grade Plywood
- 150mm Z Purlin/Rafter Zone as per S.Eng details
- U-Value: NA

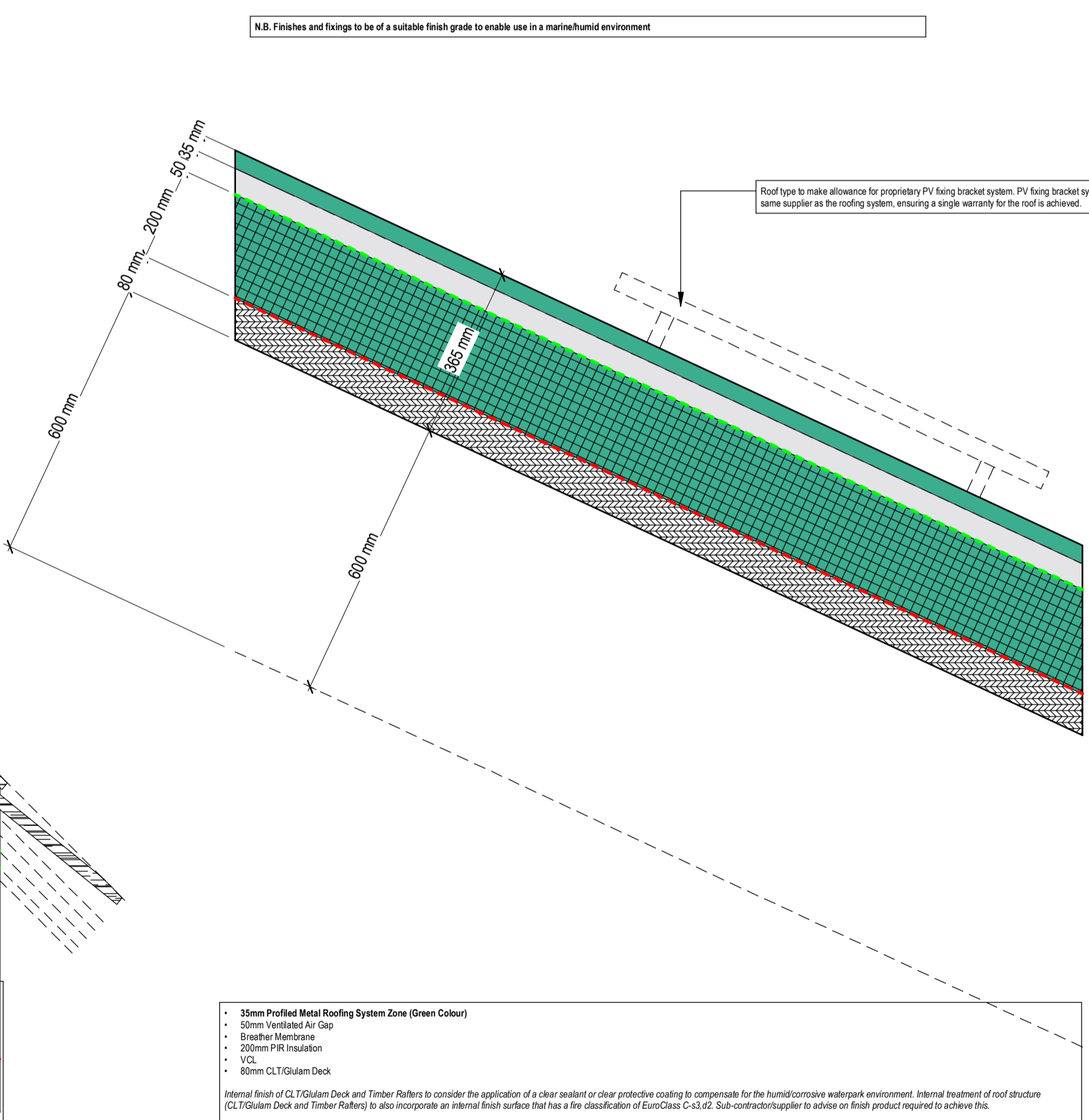
- 65mm Overlapping Clay Tile Zone (Dark Grey Colour)
- 25mm x 38mm Timber Batters (Treated to BS5534)
- 25mm x 38mm Counter Timber Batters (Treated to BS5534)
- Breathable Weathering Membrane
- 15mm Marine Grade Plywood
- 150mm Z Purlin/Rafter Zone as per S.Eng details
- U-Value: NA

Roof_Type_04



- 65mm Overlapping Clay Tile Zone (Dark Red Colour)
 - 25mm x 38mm Timber Batters (Treated to BS5534)
 - 25mm x 38mm Counter Timber Batters (Treated to BS5534)
 - Breathable Weathering Membrane (25mm drupe provided)
 - 25mm x 38mm Counter Timber Batters (Treated to BS5534) enabling 25mm drupe of breather membrane
 - 15mm Marine Grade Plywood
 - 250mm PIR Insulation Zone (Insulation type/depth is TBC based on required U-Value)
 - 18mm Plywood (as per S.Eng details)
 - VCL Layer
 - 80mm T-G Timber Finishes Zone (as per S.Eng details)
 - 450mm Timber Rafter Zone as per S.Eng details
- Internal finish of CLT/Glulam Deck and Timber Rafters to incorporate an internal finish surface that has a fire classification of EuroClass C-s1,d2. Sub-contractor to advise on finish product required to achieve this.
- U-Value: 0.16 W/m2K
Fabric Air Permeability to achieve a maximum of 3 m3/m2h @ 50 Pa

Roof_Type_05



- 35mm Profiled Metal Roofing System Zone (Green Colour)
 - 50mm Ventilated Air Gap
 - Breathable Membrane
 - 250mm PIR Insulation
 - VCL
 - 80mm CLT/Glulam Deck
- Internal finish of CLT/Glulam Deck and Timber Rafters to consider the application of a clear sealant or other protective coating to compensate for the humid/corrosive waterpark environment. Internal treatment of roof structure (CLT/Glulam Deck and Timber Rafters) to also incorporate an internal finish surface that has a fire classification of EuroClass C-s1,d2. Sub-contractor to advise on finish product required to achieve this.
- Roof build-up incorporates a 250mm Roofing Bracket System Fixing Zone for fixings of roofing finish to CLT deck
- 600mm Timber Rafter Zone included below roof build-up as per S.Eng details
- U-Value: 0.14 W/m2K
Fabric Air Permeability to achieve a maximum of 3 m3/m2h @ 50 Pa

No.	Revision	Date	Initial	Chk'd
P06	Planning - Condition 5 Issue	xx.06.23	SH	AJ
P05	RIBA STAGE 4 - Updates	11.11.22	SL	AJ
P04	RIBA STAGE 4 ISSUE	23.09.22	SL	AJ
P03	T04.1 PACKAGE RELEASE	29.07.22	DB	AJ
P02	RIBA Stage 3 - Final Issue	30.03.22	DB	AJ
P01	RIBA Stage 3 - Part 1 Issue	18.02.22	DB	AJ

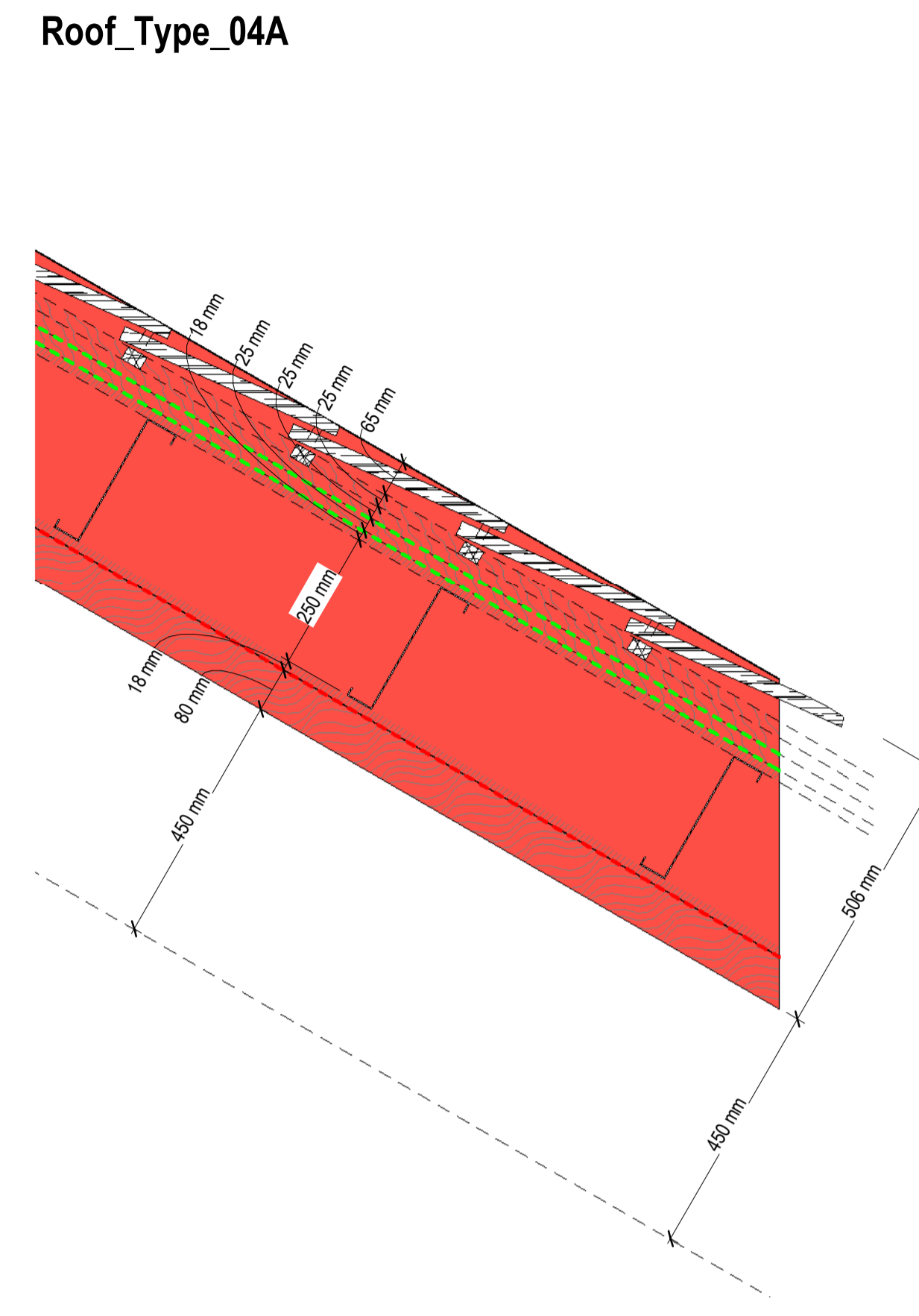
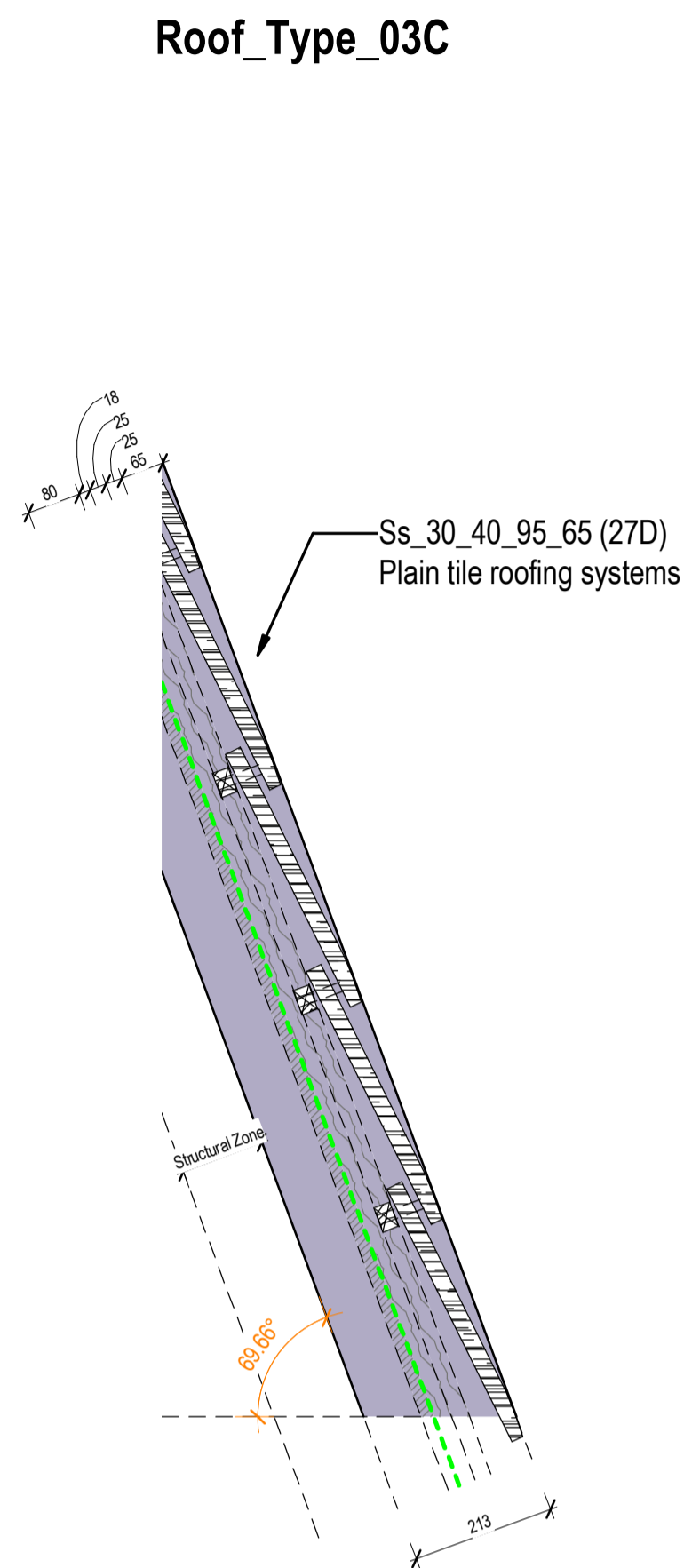
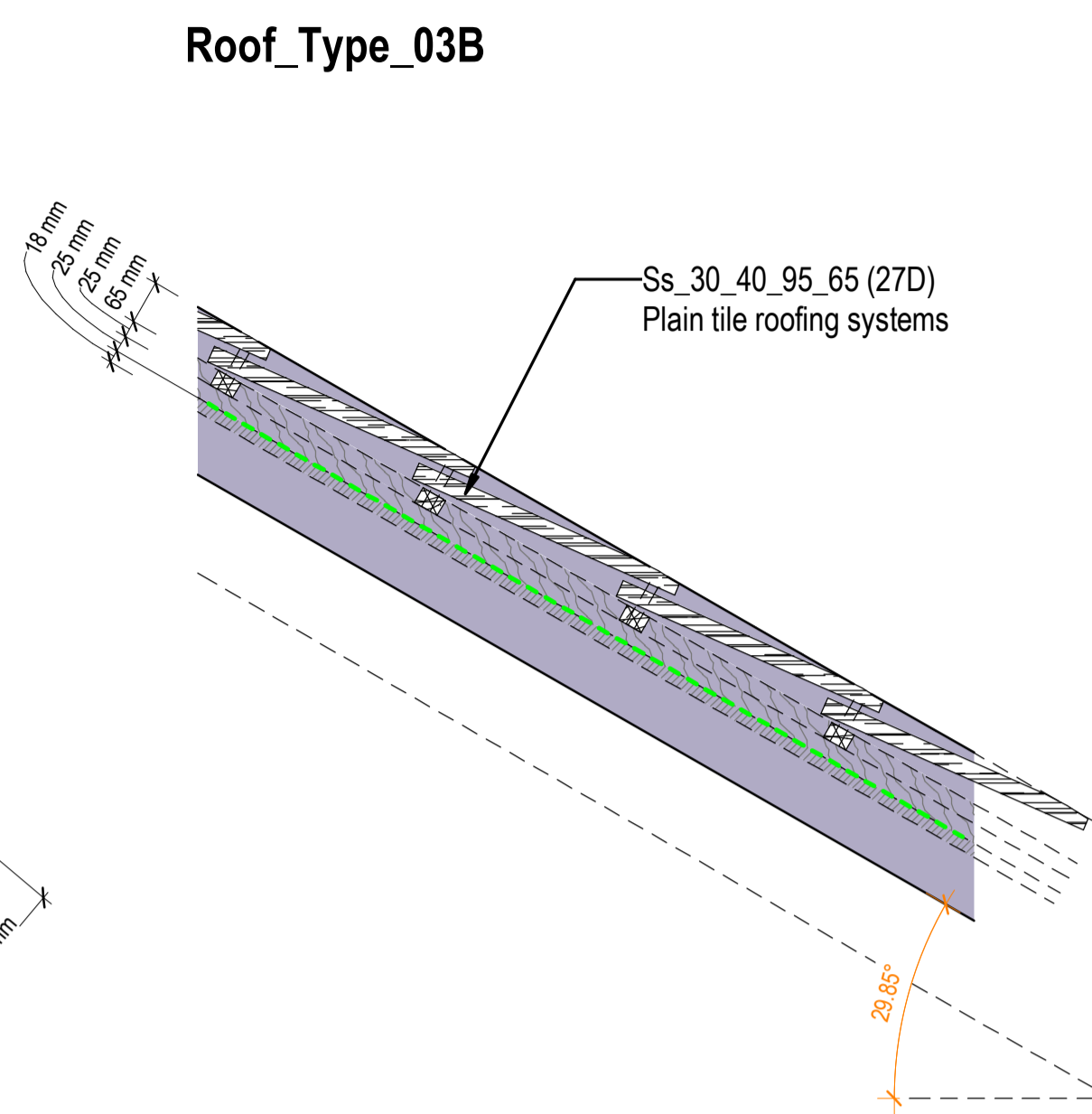
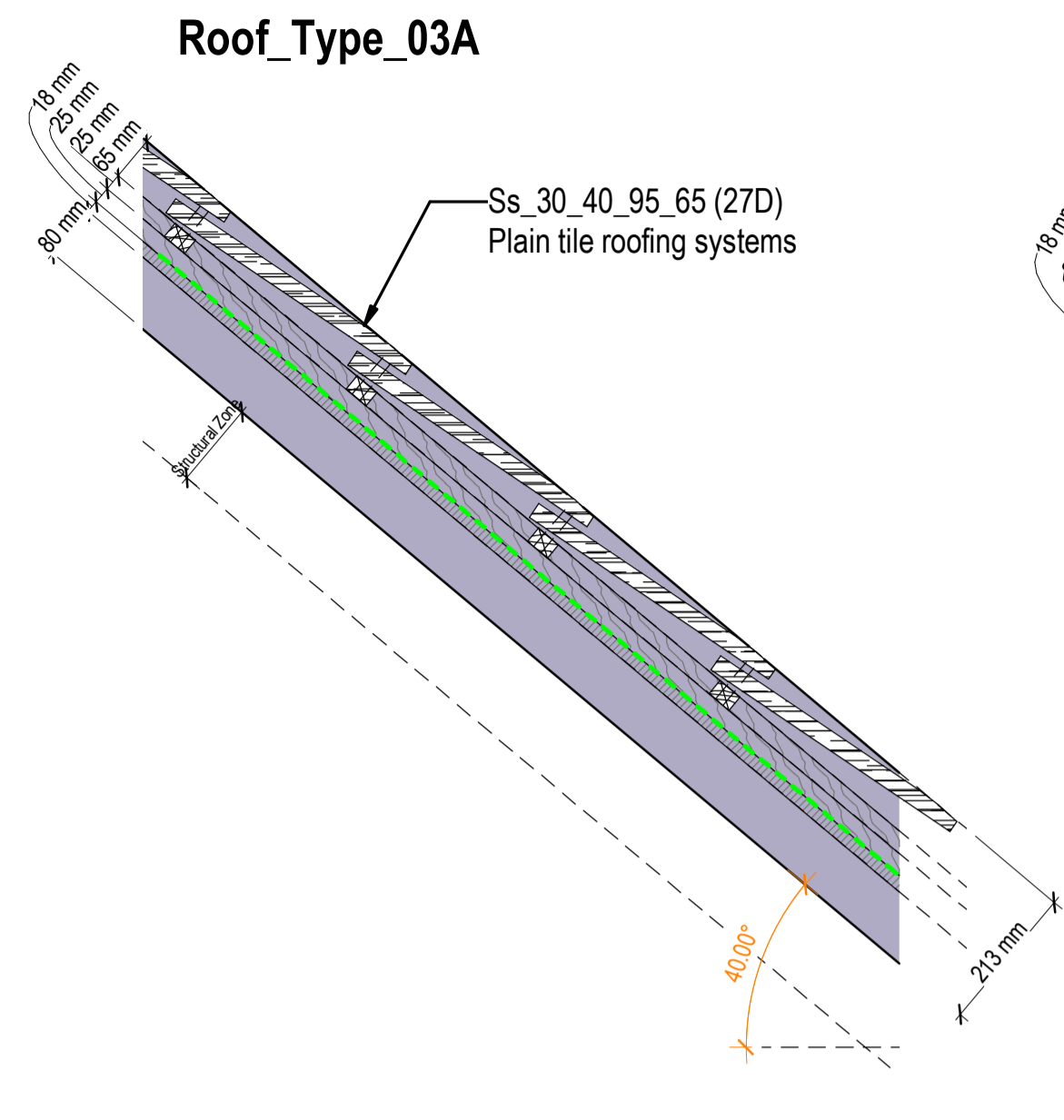
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EPR Project No 10875

Roof Types - Build Ups Sheet 1 of 2

Scale @A1 Purpose of Issue Status code Revision
As indicated For Information S2 - P06

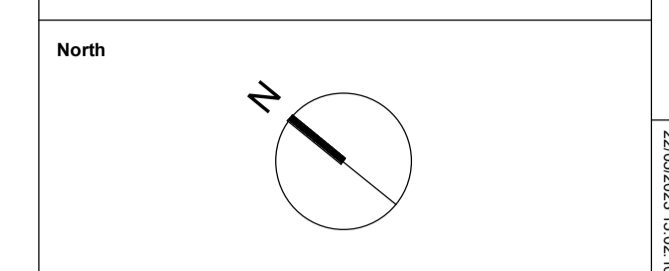
Project Code Originator Zone Level Type Rate Class Number
10875 - EPR - ZZ - ZZ - DR - A - 27-1600



- 65mm Overlapping Clay Tile Zone (Dark Grey Colour)
 - 25mm x 38mm Timber Battens (Treated to BS5534)
 - 25mm x 38mm Counter Timber Battens (Treated to BS5534)
 - Breathable Weathering Membrane (20mm slope protected)
 - 25mm Marine Grade Plywood
 - 250mm Ventilated Cavity
 - 15mm Plywood (as per S.Eng details)
 - VCL Layer
 - 80mm T+G Timber Finishes Zone (as per S.Eng details)
 - 450mm Timber Rafter Zone as per S.Eng details
- U-Value: NA

- 65mm Overlapping Clay Tile Zone (Dark Red Colour)
 - 25mm x 38mm Timber Battens (Treated to BS5534)
 - 25mm x 38mm Counter Timber Battens (Treated to BS5534)
 - Breathable Weathering Membrane (20mm slope protected)
 - 25mm Marine Grade Plywood
 - 250mm Ventilated Cavity
 - 15mm Plywood (as per S.Eng details)
 - VCL Layer
 - 80mm T+G Timber Finishes Zone (as per S.Eng details)
 - 450mm Timber Rafter Zone as per S.Eng details
- Internal treatment of roof structure (CL1/Glulam Deck and Timber Rafters) to incorporate an internal finish surface that has a fire classification of EuroClass C-s3-d2. Sub-contraction supplier to advise on finish product required to achieve this.
- U-Value: 0.16 W/m2K
Fabric Air Permeability to achieve a maximum of 3 m3/m2/h @ 50 Pa

Keyplan



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Current Revision Description (Post Final Stage 4 Submission)

Key Legend For 27 - Roofs:

Roof Type: A-EPR-RF-Roof Type 1A Roof Type Details	
Warm Flat Roof, with cut to baffle insulation, roofing finish only	
Roof Type: A-EPR-RF-Roof Type 1B Roof Type Details	
Warm Flat Roof, flat insulation, roofing finish only	
Roof Type: A-EPR-RF-Roof Type 1C Roof Type Details	
Warm Flat Roof, flat insulation, roofing finish with - Paving Slabs or Pavements (only to Green Roof)	
Roof Type: A-EPR-RF-Roof Type 1D Roof Type Details	
Warm Flat Roof, flat insulation, roofing finish with - Green roof system (only)	
Roof Type: A-EPR-RF-Roof Type 1E Roof Type Details	
Warm Flat Roof, flat insulation, roofing finish with - Gravel finish	
Roof Type: A-EPR-RF-Roof Type 2 Roof Type Details	
Pitched roof, un-insulated, dark red tile finish	
Roof Type: A-EPR-RF-Roof Type 3 Roof Type Details	
Pitched roof, un-insulated, dark grey tile finish	
Roof Type: A-EPR-RF-Roof Type 4 Roof Type Details	
Pitched roof, insulated, dark red tile finish	
Roof Type: A-EPR-RF-Roof Type 5 Roof Type Details	
Pitched roof, insulated, Composite/Steel Finish - Green	
Insulation	
EPS Tapered Insulation	
Stone Wool Insulation (to eave under hole, except between eave)	
Internal DPM Line (Last Specification in TIC)	
Tanking Protective Layer (Last Specification in TIC)	
EPDM	
Vapour Control Layer	
External Waterproofing Layer	
Cavity Bars	
Cavity Bars	
Cavity Tray	
Cavity Tray	

Notes:
• All roofing upstands to have a non-combustible insulation used.
• All roof penetrations to be adequately fire stopped as required to meet fire strategy report.
• Acoustic requirements to achieve the minimum acoustic performance standards as set in the latest Hoare Lea acoustic report.
• All areas of roof to meet the B or roof (B) classification.
• Fabric Air Permeability to achieve a maximum of 3 m3/m2/h @ 50 Pa
• All Rainwater Downpipes and Gutters to be PPC Aluminium - Grey - Exact RAL Colour is TIC.
• Refer to drawing 10875-EPR-ZZ-DR-A-21-1610 for Materials Palette
• Fire strategy to hold roof void to MEP engineers design with route to compliance as agreed with BCO.

P02	Planning - Condition 5 Issue	xx.05.23	SH	AJ
P01	RIBA STAGE 4 - Updates	11.11.22	SL	AJ
No.	Revision	Date	Initial	Chk'd

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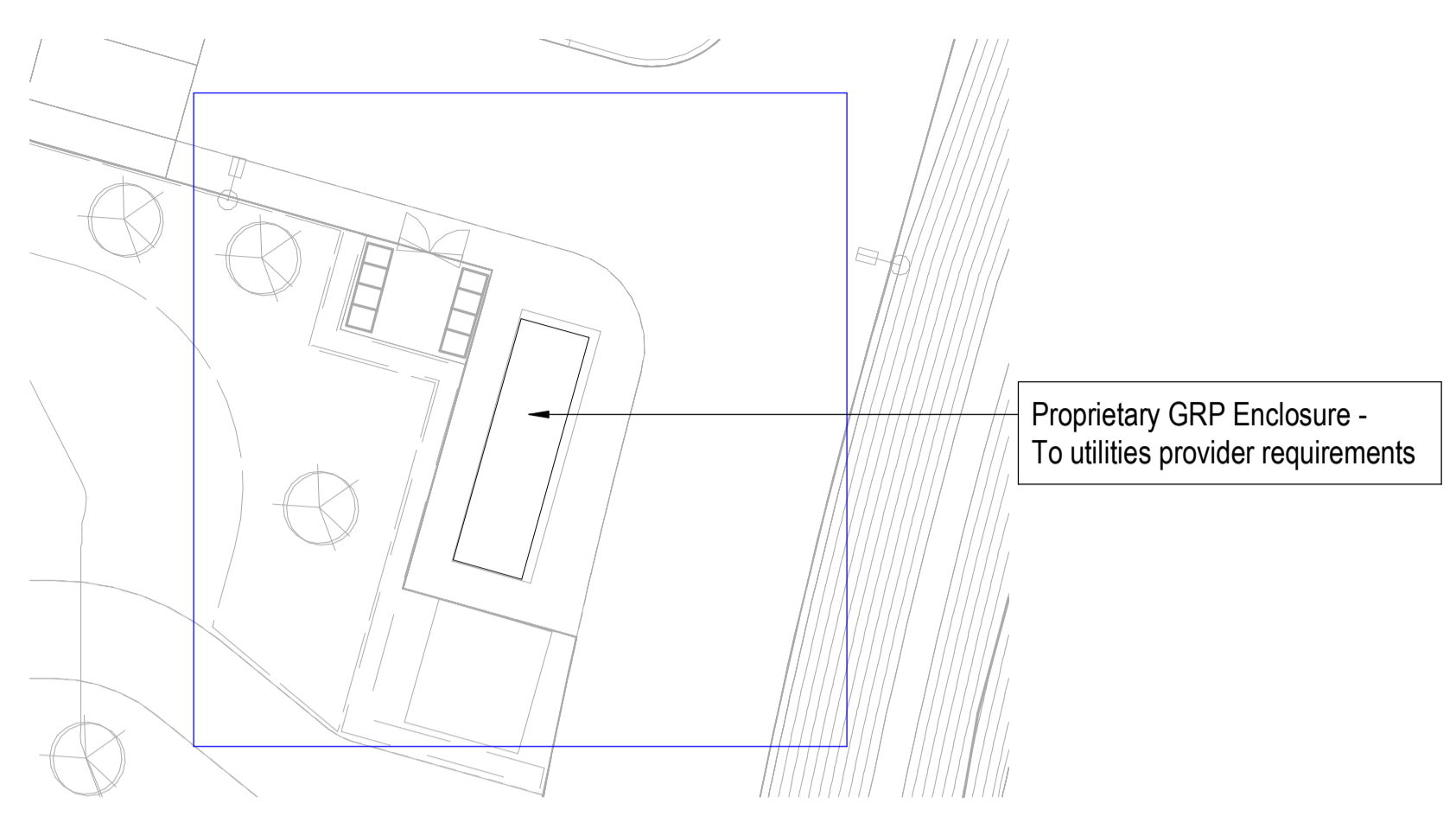
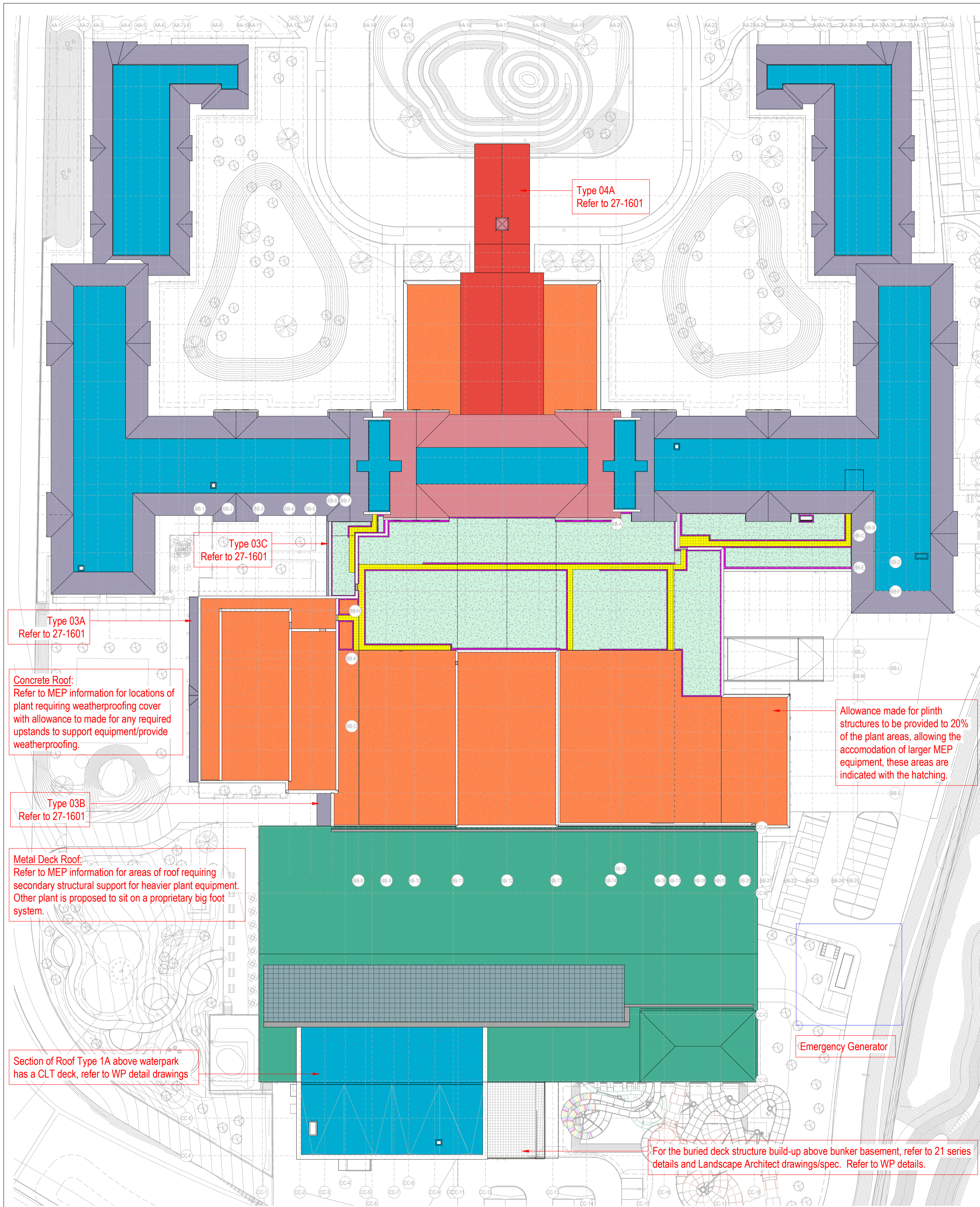
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Roof Types - Build Ups Sheet 2 of 2

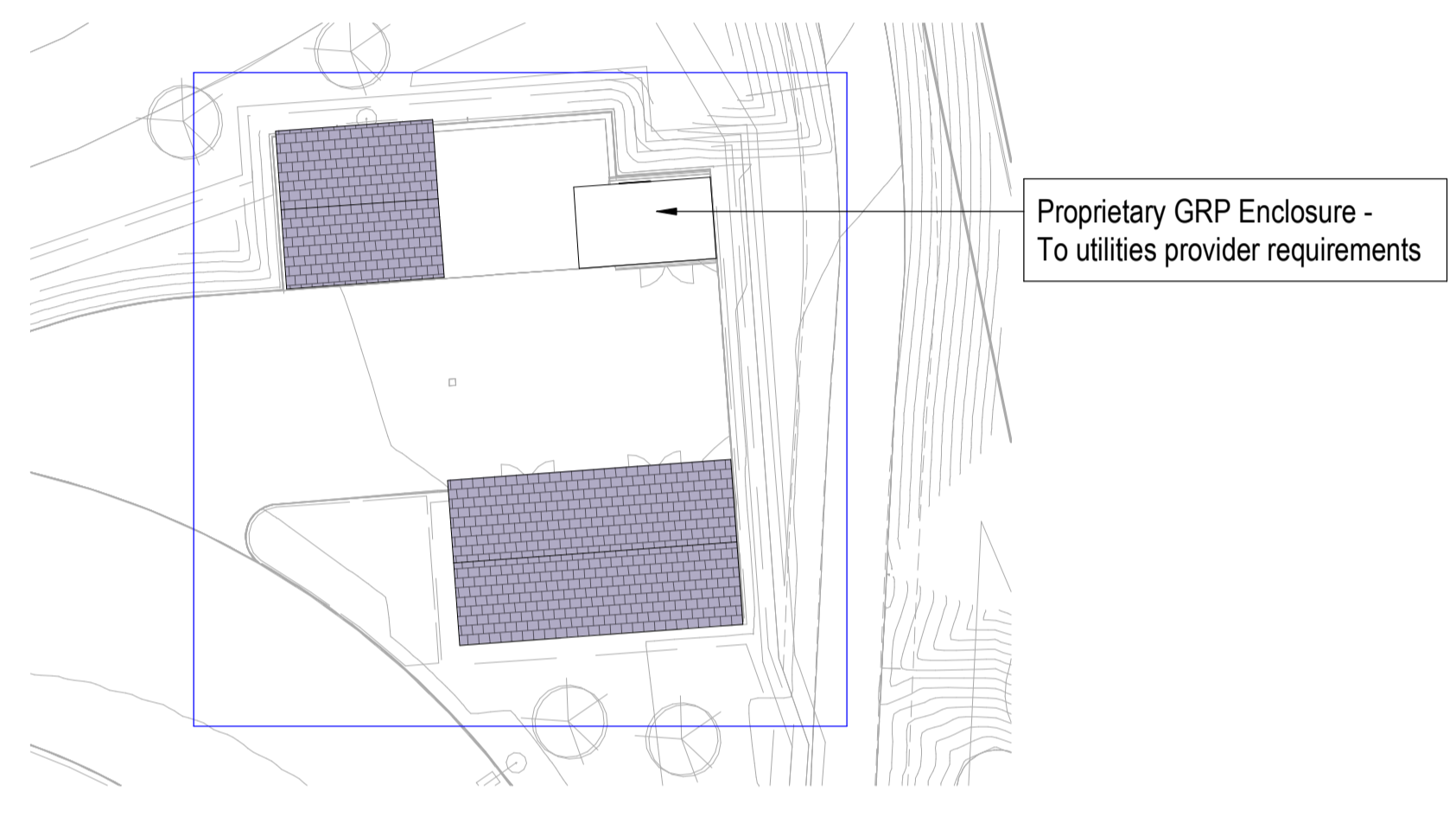
Scale @A1 Purpose of Issue Status code Revision
As indicated For Information S2 - P02

Project Code Originator Zone Level Type Rate Class Number
10875 - EPR - ZZ - ZZ - DR - A - 27-1601

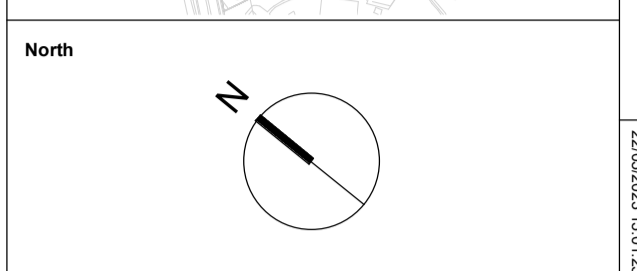
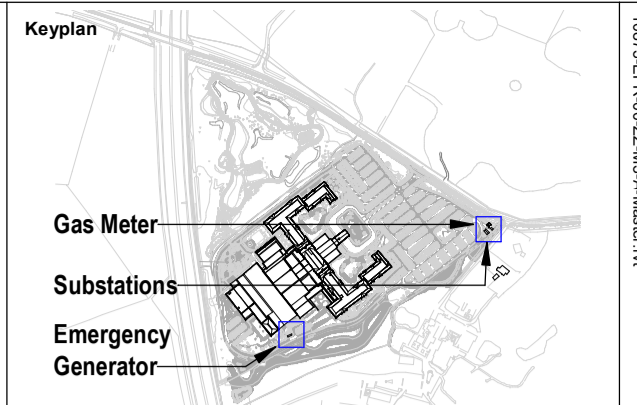
01_2023_10202602



1 EG - Emergency Generator Roof Plan
1:200



2 SS-1/ SS-2/ GME - Electrical Substation's and Gas Meter Building Roof Plan
1:200



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Current Revision Description (Post Final Stage 4 Submission)

Key Legend For 27 - Roofs:

Roof Type: A-EPR-RF-Roof Type 1A Roof Type Details	
Warm Flat Roof, with cut to fell insulation, roofing finish only	
Roof Type: A-EPR-RF-Roof Type 1B Roof Type Details	
Warm Flat Roof, flat insulation, roofing finish only	
Roof Type: A-EPR-RF-Roof Type 1C Roof Type Details	
Warm Flat Roof, flat insulation, roofing finish with - Flaming Slab on Pavedecks only to Green Roof	
Roof Type: A-EPR-RF-Roof Type 1D Roof Type Details	
Warm Flat Roof, flat insulation, roofing finish with - Green roof system	
Roof Type: A-EPR-RF-Roof Type 1E Roof Type Details	
Warm Flat Roof, flat insulation, roofing finish with - Gravel finish	
Roof Type: A-EPR-RF-Roof Type 2 Roof Type Details	
Pitched roof, un-insulated, dark red tile finish	
Roof Type: A-EPR-RF-Roof Type 3 Roof Type Details	
Pitched roof, un-insulated, dark grey tile finish	
Roof Type: A-EPR-RF-Roof Type 4 Roof Type Details	
Pitched roof, insulated, dark red tile finish	
Roof Type: A-EPR-RF-Roof Type 5 Roof Type Details	
Pitched roof, insulated, Composite Metal Finish - Green	
Insulation	
EPS Tapered Insulation	
Slown Wool Insulation (to slab under hot/cold storage/room out)	
Drainage/GRP Liner Last Specification in TIC	
Tanking/Protective Layer Last Specification in TIC	
EDB	
Water Control Layer	
Regular Maintenance/Weather Line	
Cable Barriers Cable barrier locations are indicated diagrammatically and are shown for planning purposes only. The final location and design of cable barriers are subject to the final design in coordination with the relevant utility engineer and building control as part of completing the COP works.	
Cable Tray	

Notes:
• All roofing upstands to have a non-combustible insulation used.
• All roof penetrations to be adequately fire stopped as required to meet fire strategy report.
• Acoustic requirements to achieve the minimum acoustic performance standards as set in the latest Hoare Lea acoustic report.
• All areas of roof to meet the B or B1 classification.
• Fabric Air Permeability to achieve a maximum of 3 m³m²h @ 50 Pa
• All Rainwater Downpipes and Gutters to be PPC Aluminium - Grey - Exact RAL Colour in TIC.
• Refer to drawing 10875-EPR-ZZ-DR-A-21-1010 for Materials Palette
• Fire strategy to detail roof void to MEP engineers design with route to compliance as agreed with BCO.

P05	Planning - Condition 5 Issue	xx.06.23	SH	AJ
P04	RIBA STAGE 4 ISSUE	30.09.22	SL	AJ
P03	T04.1 PACKAGE RELEASE	28.07.22	SL	AJ
P02	RIBA Stage 3 - Final Issue	30.03.22	DB	AJ
P01	RIBA Stage 3 - Part 1 Issue	18.02.22	DB	AJ
No.	Revision	Date	Initial	Chk'd

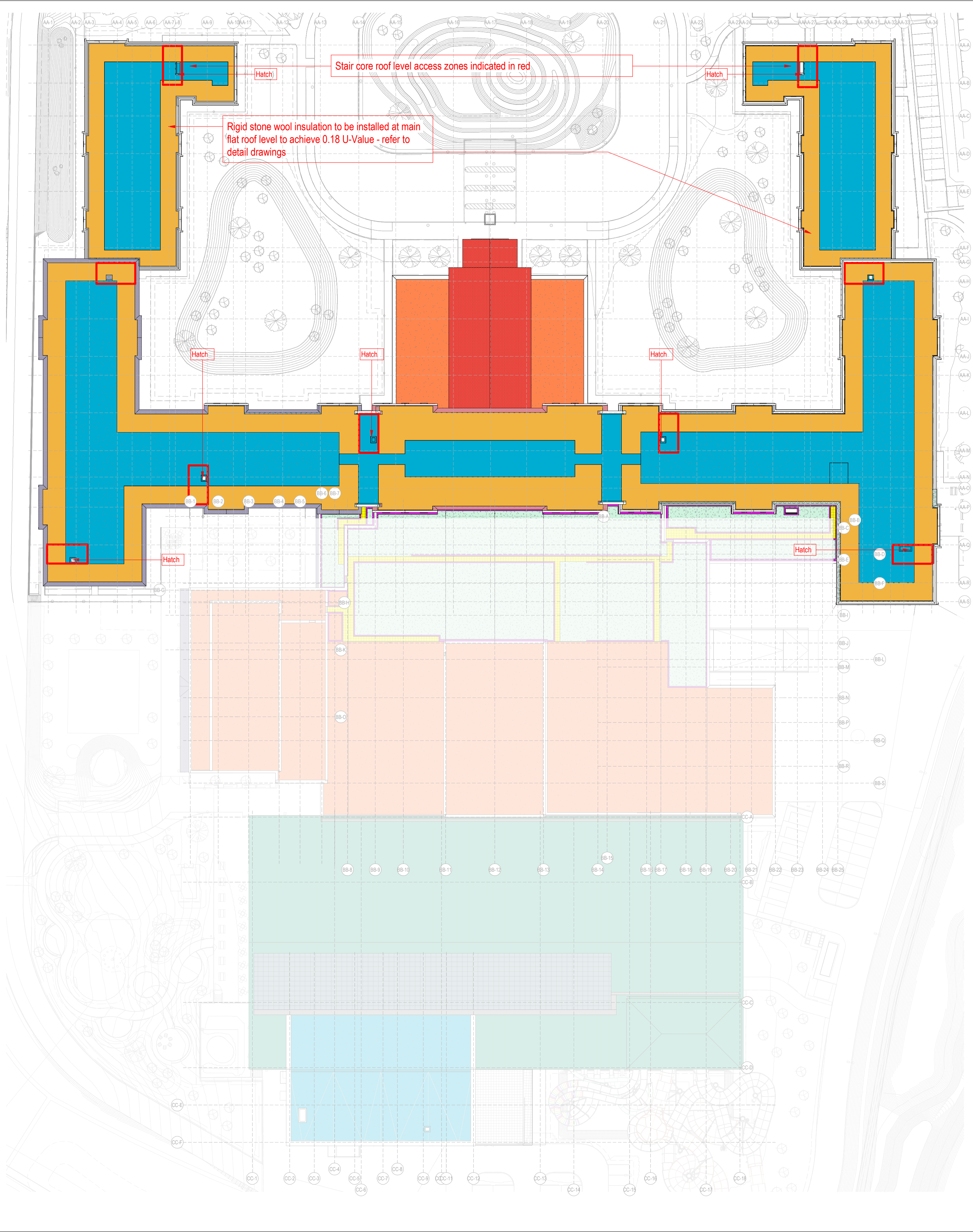
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Proposed Great Wolf Lodge - Chesterton, Bicester, Oxfordshire
EPR Project No 10875

Roof Types Plan - All Roofs

Scale @A1	Purpose of Issue	Status code	Revision
As indicated	For Information	S2	P05

Project Code: 10875 - EPR - ZZ - RF - DR - A - 27-1400



Stair core roof level access zones indicated in red

Rigid stone wool insulation to be installed at main flat roof level to achieve 0.18 U-Value - refer to detail drawings

Keyplan

North

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Current Revision Description (Post Final Stage 4 Submission)

Key Legend For 27 - Roofs:

Roof Type: A-EPR-RF-Roof Type 1A
 Roof Type Details
 Warm Flat Roof, with cut to slope insulation, roofing finish only

Roof Type: A-EPR-RF-Roof Type 1B
 Roof Type Details
 Warm Flat Roof, flat insulation, roofing finish only

Roof Type: A-EPR-RF-Roof Type 1C
 Roof Type Details
 Warm Flat Roof, flat insulation, roofing finish with - Flaming Slab or Pavedeck only to Green Roof

Roof Type: A-EPR-RF-Roof Type 1D
 Roof Type Details
 Warm Flat Roof, flat insulation, roofing finish with - Green roof access lighting

Roof Type: A-EPR-RF-Roof Type 1E
 Roof Type Details
 Warm Flat Roof, flat insulation, roofing finish with - Green finish

Roof Type: A-EPR-RF-Roof Type 2
 Roof Type Details
 Pitched roof, un-insulated, dark red tile finish

Roof Type: A-EPR-RF-Roof Type 3
 Roof Type Details
 Pitched roof, un-insulated, dark grey tile finish

Roof Type: A-EPR-RF-Roof Type 4
 Roof Type Details
 Pitched roof, insulated, dark red tile finish

Roof Type: A-EPR-RF-Roof Type 5
 Roof Type Details
 Pitched roof, insulated, Composite/Metal Finish - Green

Insulation
 PIR Tapered Insulation
 Slove Wool Insulation (to slope under hatch escape/human exit)

Drainage/DRP Line
 (Exact Specification in TIC)

Tanking/Protective Layer
 (Exact Specification in TIC)

EDM
 Vapor Control Layer

Roofing Membrane/Weather Lip

Grid Bars
 Grid Bars/Trusses are indicated approximately and are shown for pricing purposes only. The final location and design of any barriers are subject to the final design in coordination with the relevant fire engineer and building control as part of completing the COP works.

Grids/Tray

Notes:
 • All roofing upstands to have a non-combustible insulation used.
 • All roof penetrations to be adequately fire stopped as required to meet fire strategy report.
 • Acoustic requirements to achieve the minimum acoustic performance standards as set in the latest Hoare Lea acoustic report.
 • All areas of roof to meet the B or B1 classification.
 • Fabric Air Permeability to achieve a maximum of 3 m³m²h @ 50 Pa
 • All Rainwater Downpipes and Gutters to be PPC Aluminium - Grey - Exact RAL Colour as TIC
 • Refer to drawing 10875-EPR-ZZ-DR-A-21-1010 for Materials Palette
 • Fire strategy to include roof void to MEP Engineers design with route to compliance as agreed with BCO.

P05	Planning - Condition 5 Issue	xx.06.23	SH	AJ
P04	RIBA STAGE 4 ISSUE	23.09.22	SL	AJ
P03	T04.1 PACKAGE RELEASE	28.07.22	SL	AJ
P02	RIBA Stage 3 - Final Issue	30.03.22	DB	AJ
P01	RIBA Stage 3 - Part 1 Issue	18.02.22	DB	AJ

No.	Revision	Date	Initial	Chk'd

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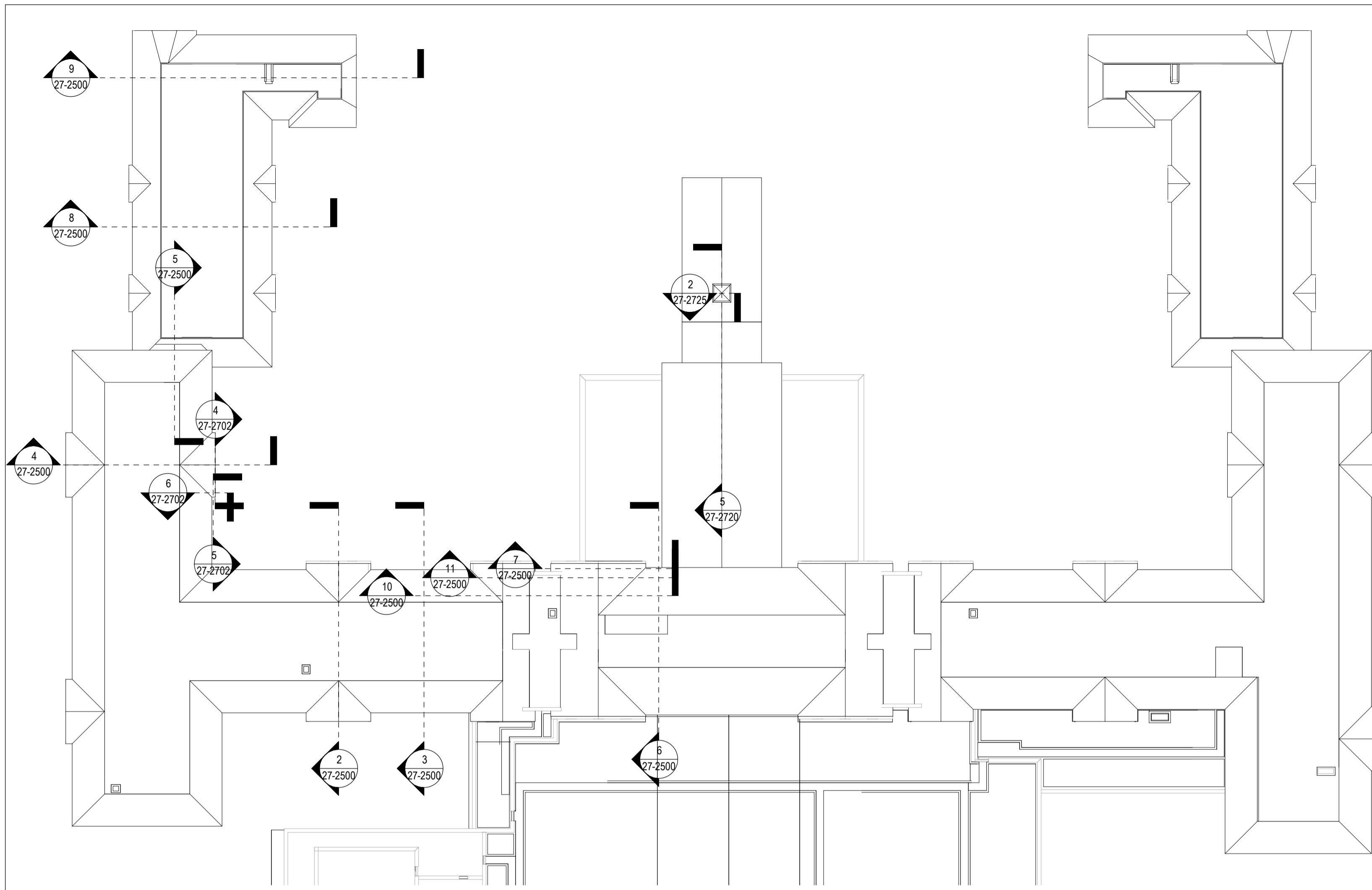
Proposed Great Wolf Lodge - Chesterton, Bicester, Oxfordshire
 EPR Project No 10875

Roof Access Locations

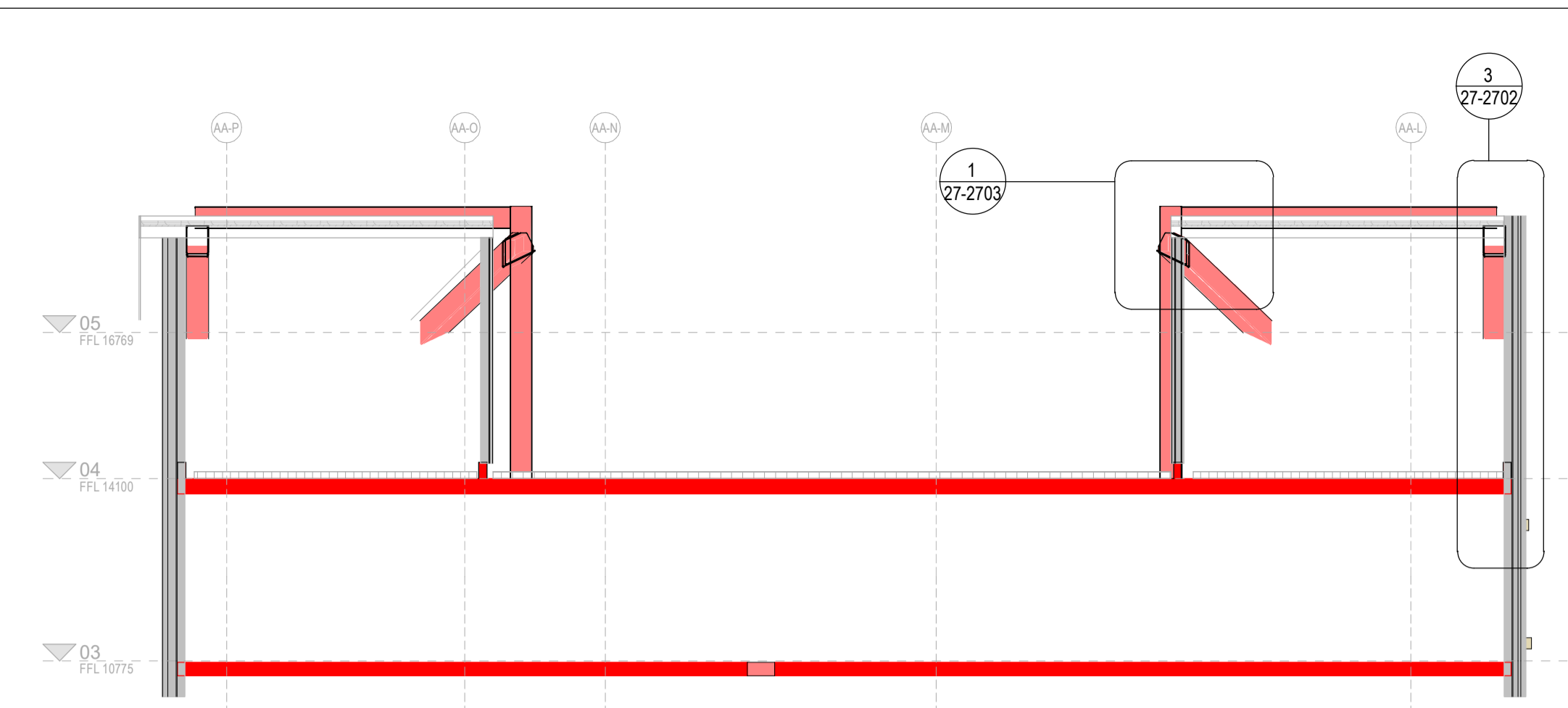
Scale @A1 Purpose of Issue Status code Revision
 As indicated For Information S2 - P05

Project Code Originator Zone Level Type Rate Class Number
 10875 - EPR - ZZ - RF - DR - A - 27-1401

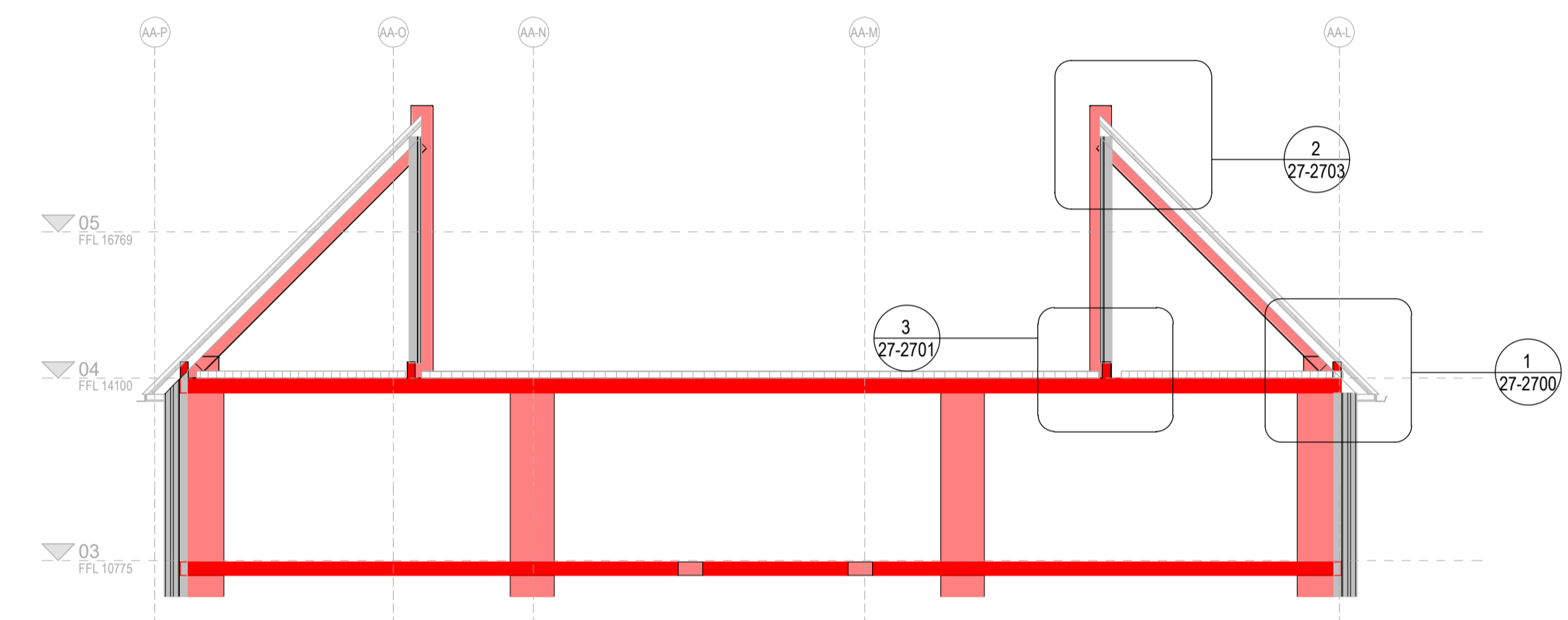
2.2 Roof Interface Scope



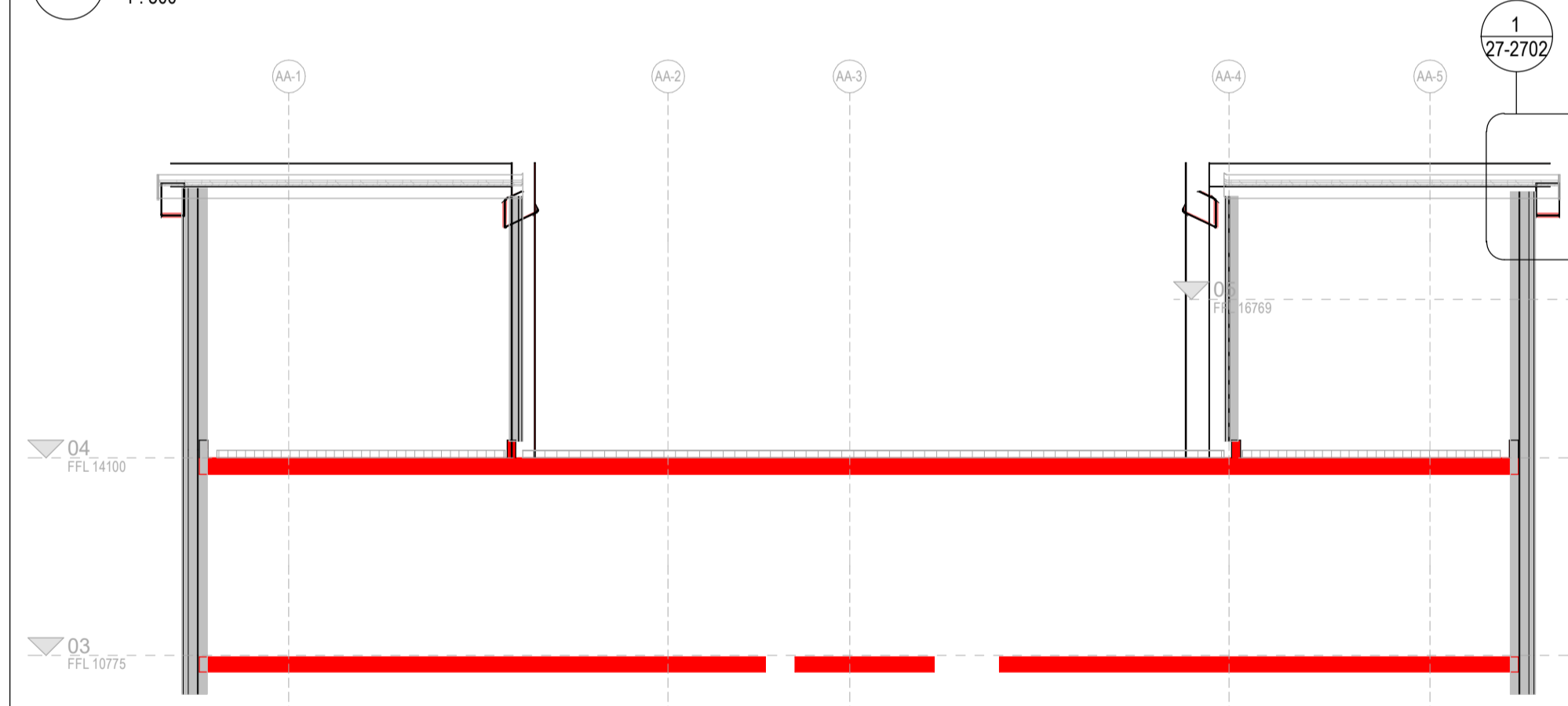
1 Hotel Main Roof - Interfaces GA Scope Plan
1:500



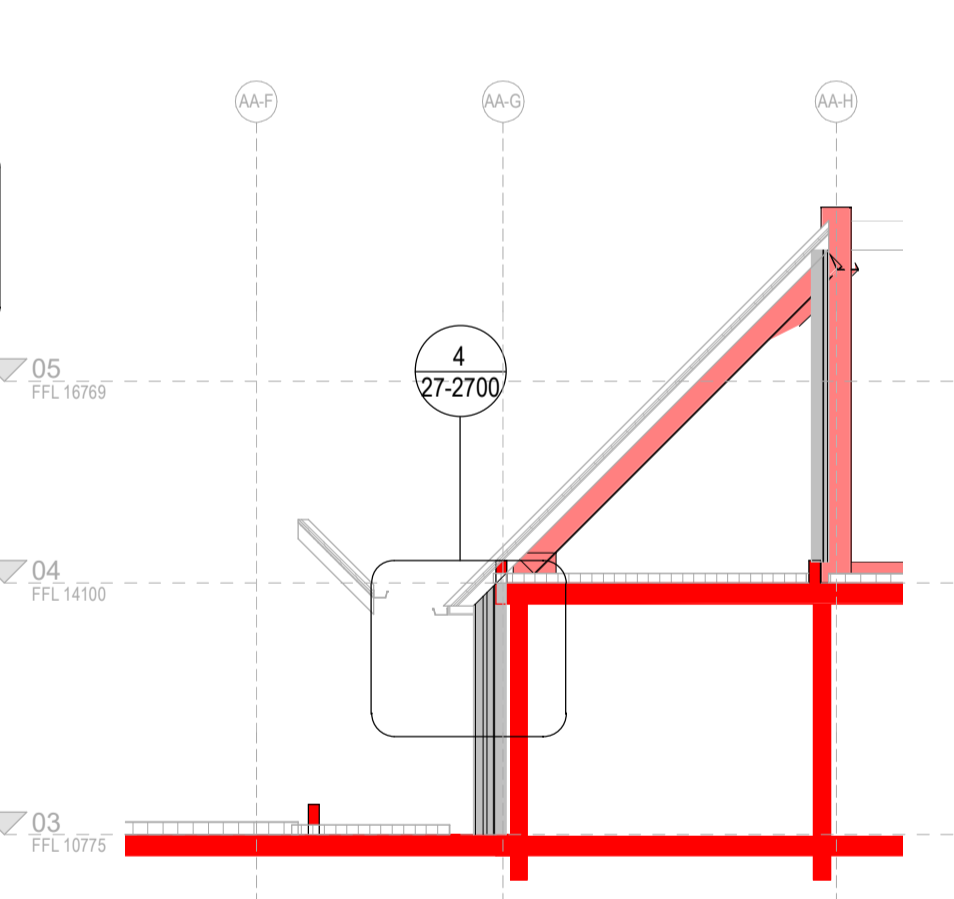
2 GA Roof Section - Stone Cladding Elevation - Gable
1:100



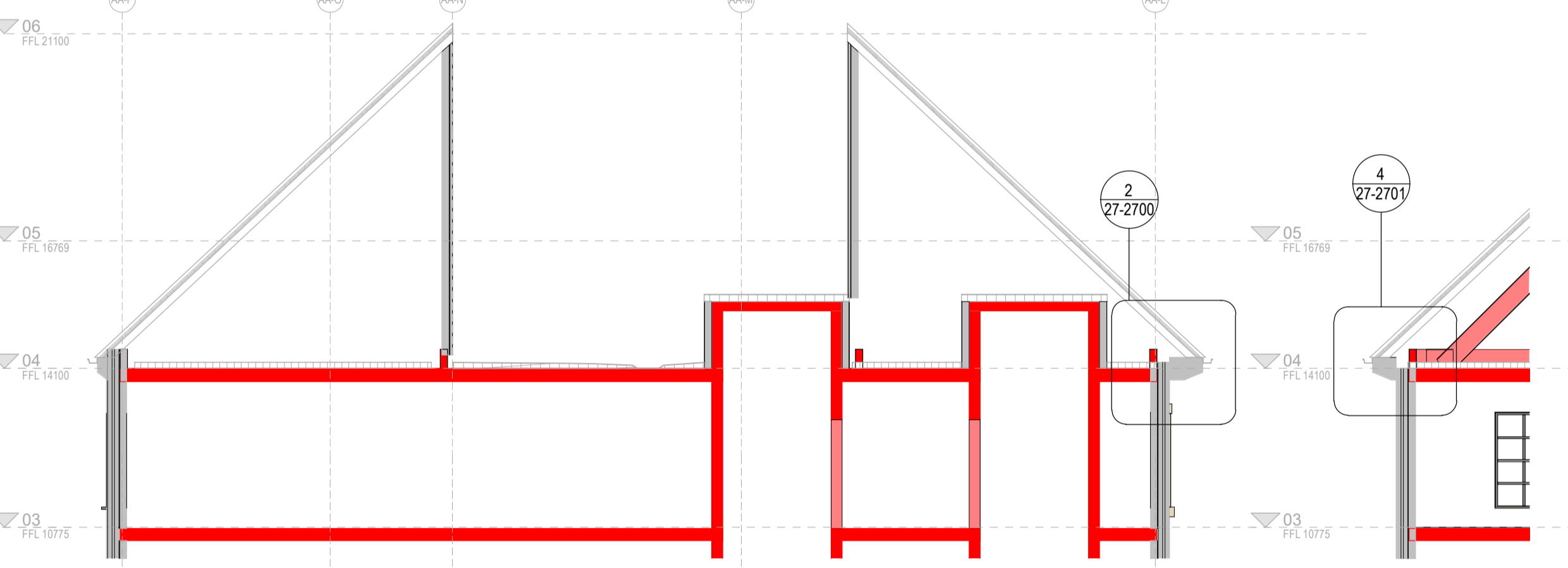
3 GA Roof Section - Render Cladding Elevation - Eaves
1:100



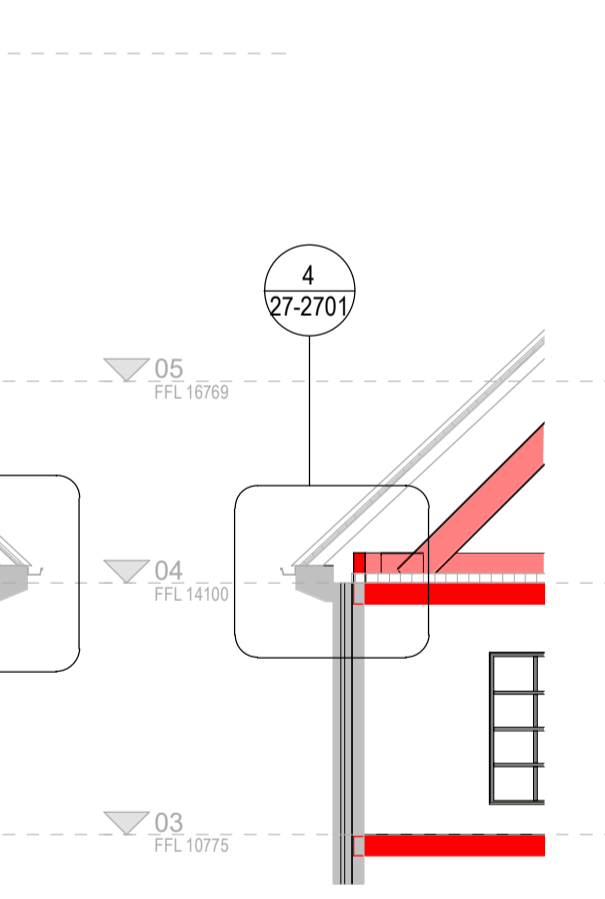
4 GA Roof Section - Timber Cladding Elevation - Gable
1:100



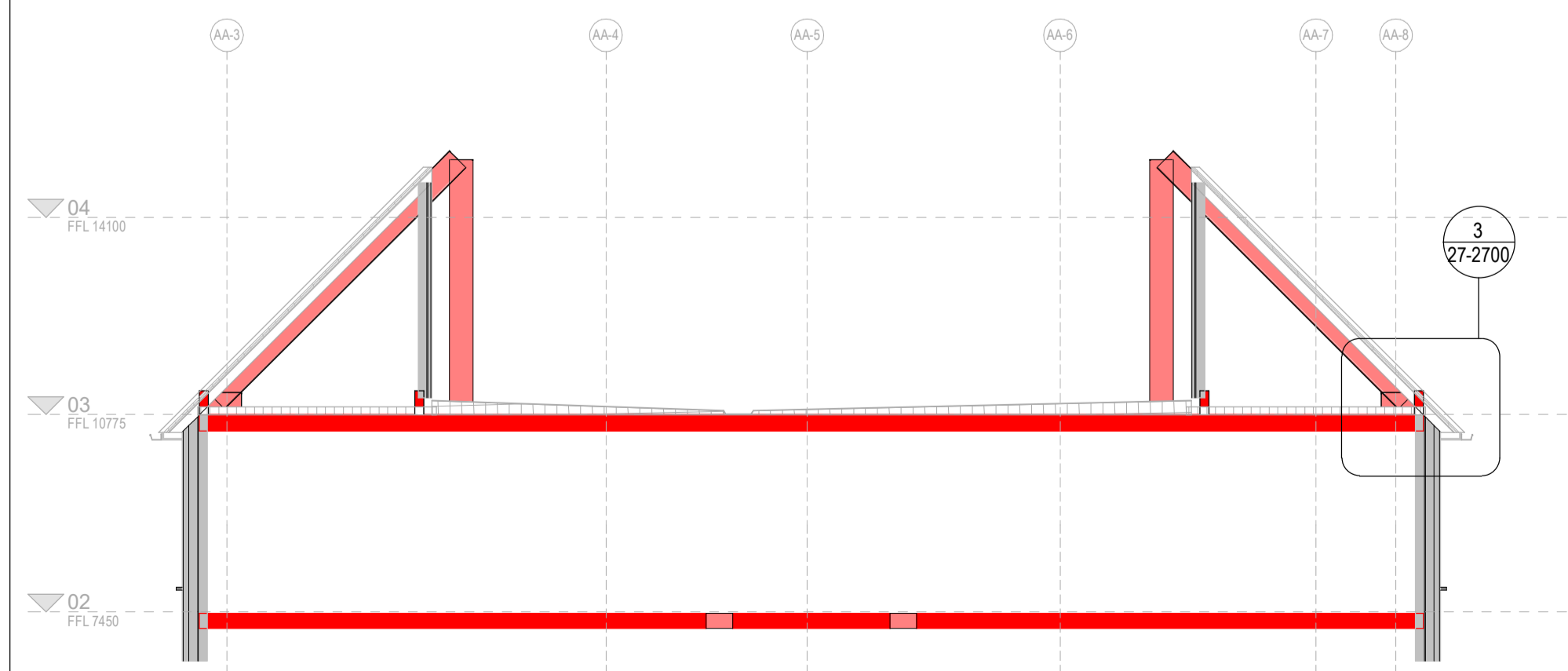
5 GA Roof Section - Low-High Roof Section
1:100



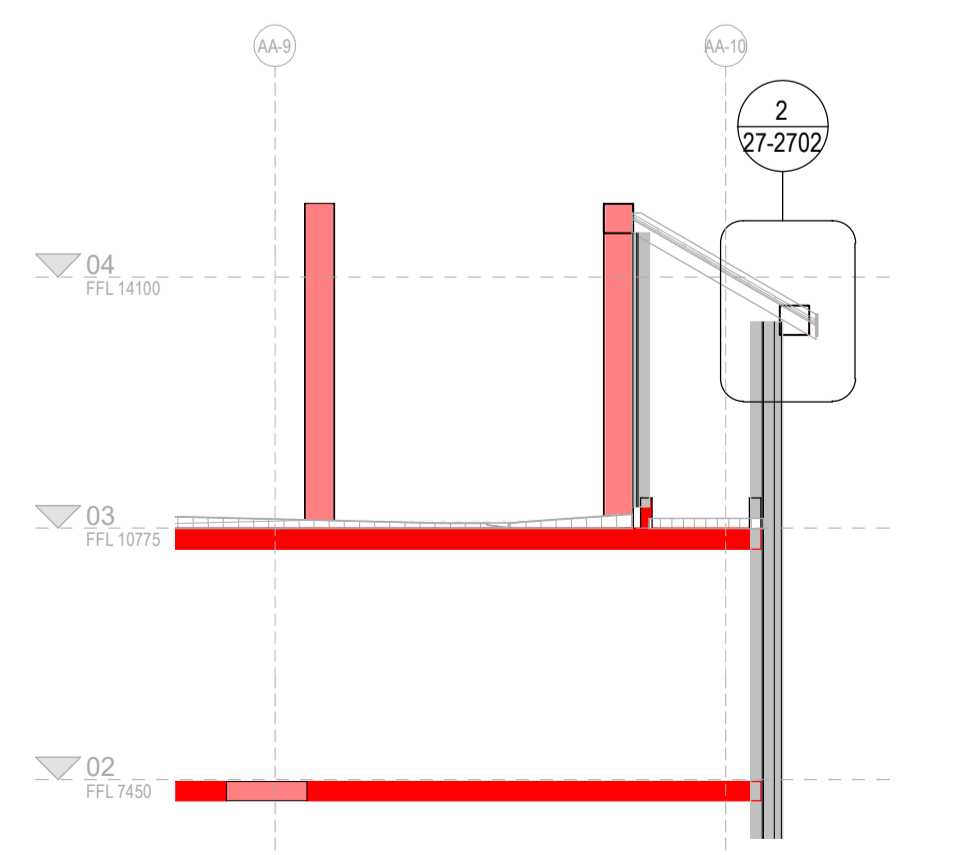
6 GA Roof Section - Stone Cladding Elevation - Eaves
1:100



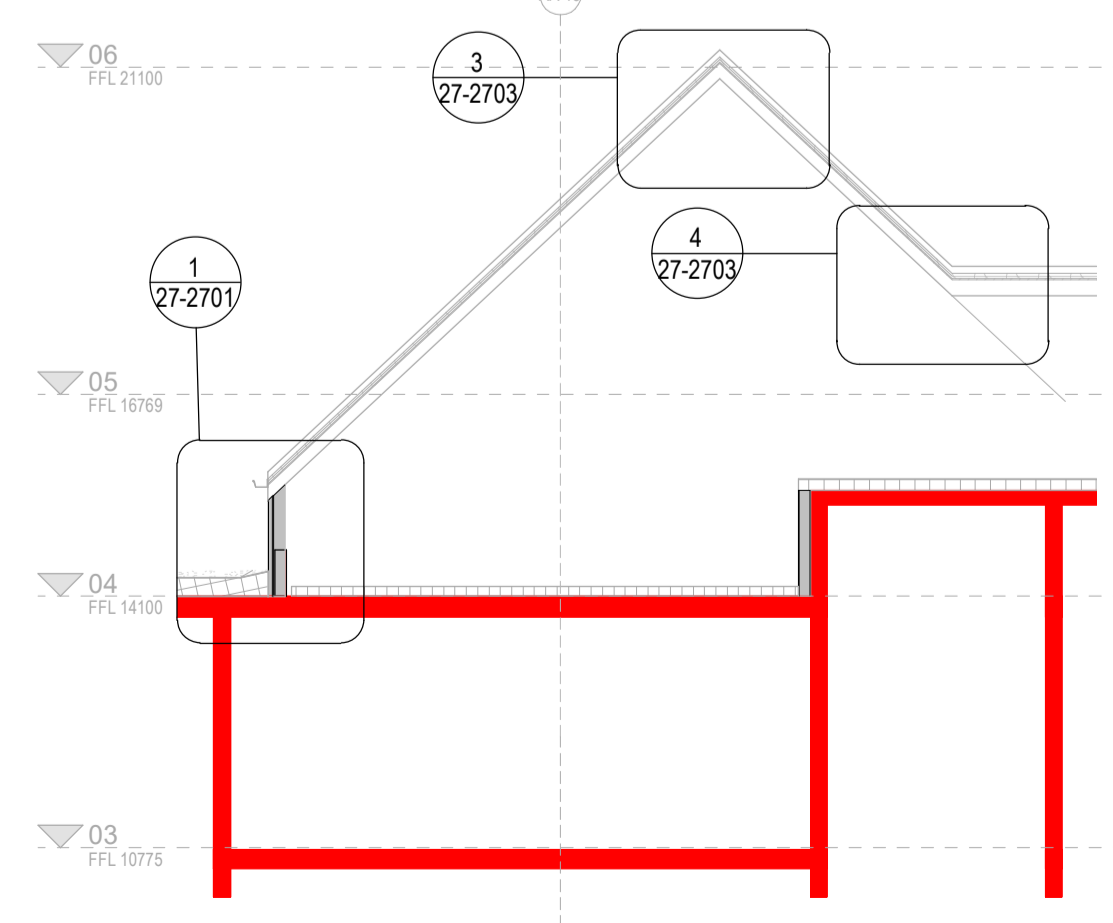
7 GA Roof Section - Gable End
1:100



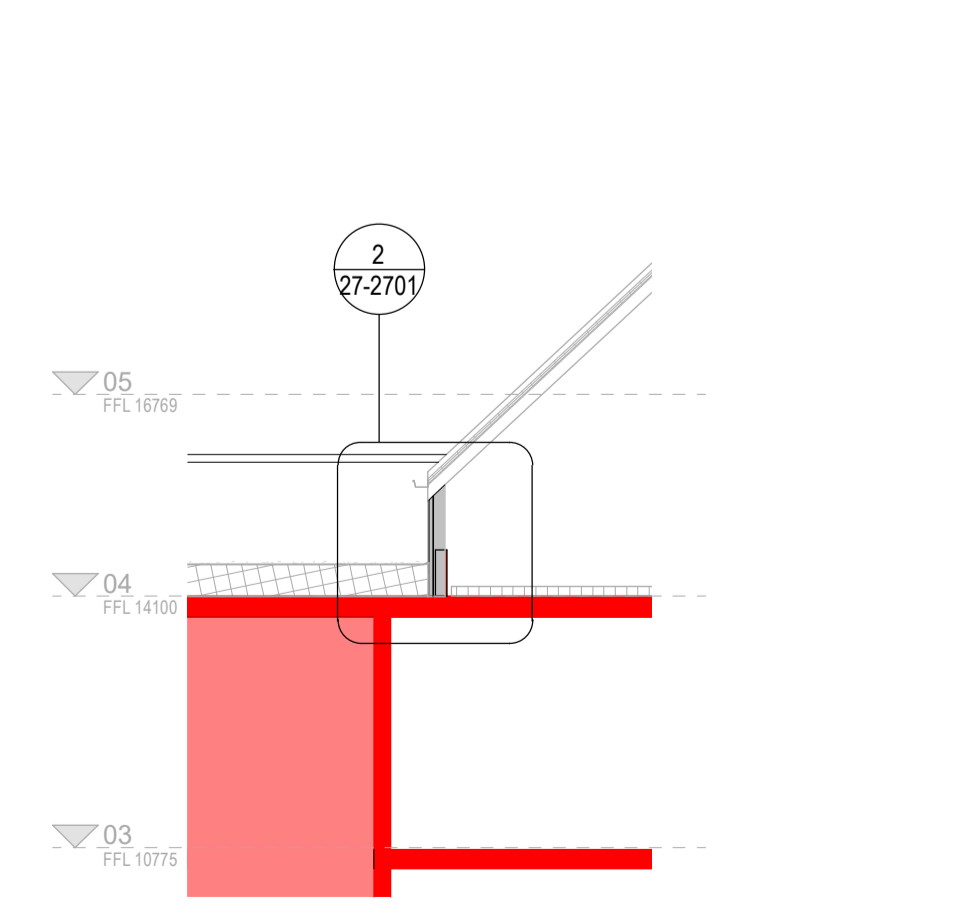
8 GA Roof Section - Timber Cladding Elevation - Eaves
1:100



9 GA Roof Section - Timber Cladding Elevation - Jerkinhead Gable
1:100



10 GA Roof Section - Flat-Pitched Roof
1:100



11 GA Roof Section - Parapet - Pitched Roof
1:100

Keyplan

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Current Revision Description (Post Final Stage 4 Submission)

No.	Revision	Date	Initial	Chk'd
P04	Planning - Condition 5 Issue	xx.05.23	SH	AJ
P03	RIBA STAGE 4 ISSUE	23.09.22	SL	AJ
P02	T04-1 PACKAGE RELEASE	29.07.22	DB	AJ
P01	RIBA Stage 3 - Final Issue	30.03.22	DB	AJ

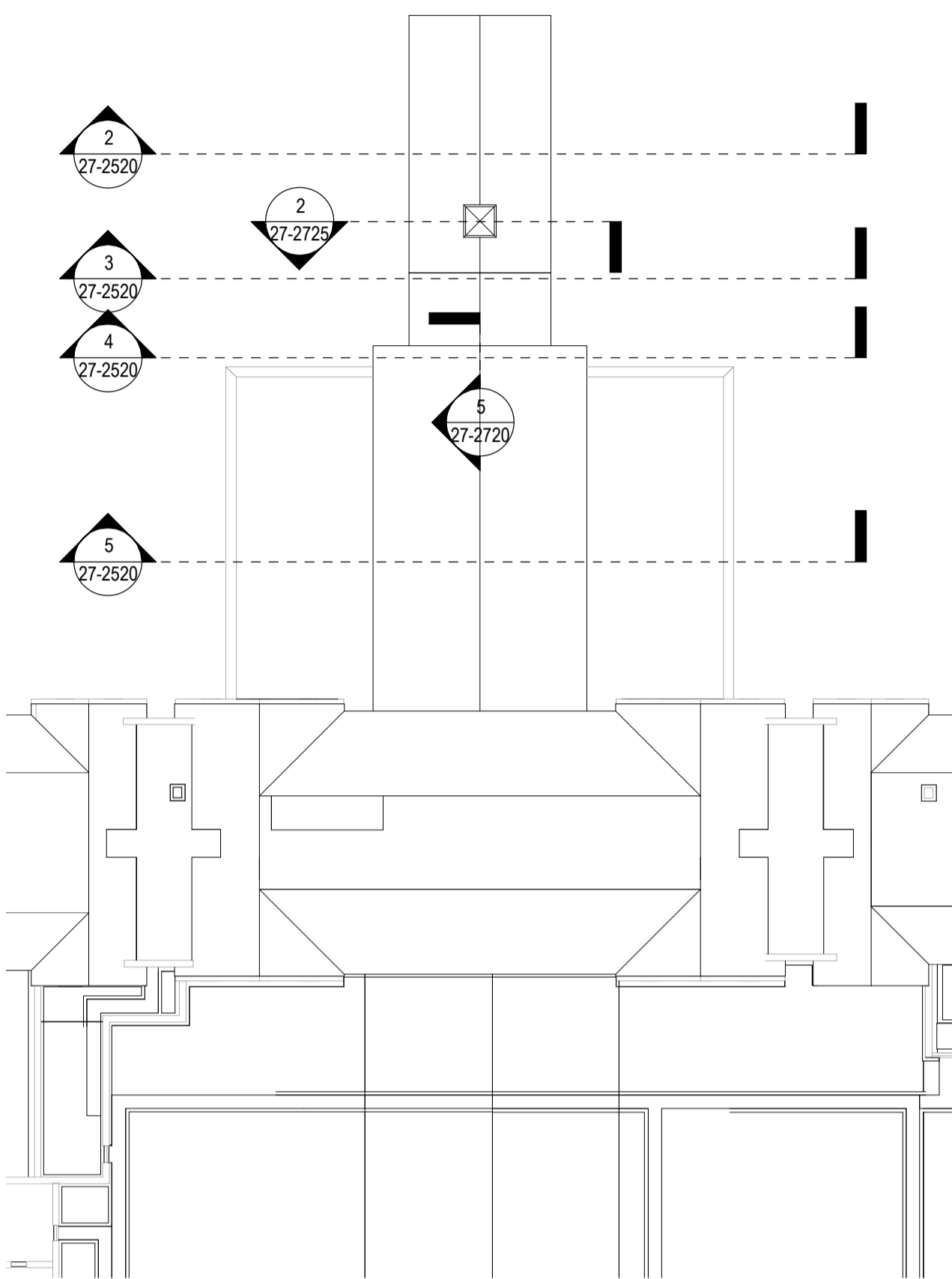
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Proposed Great Wolf Lodge - Chesterton, Bicester, Oxfordshire
EPR Project No 10875

Hotel Main Roof - Interfaces Scope Plan

Scale @A1 Purpose of Issue Status code - Revision
As indicated For Information S2 - P04

Project Code Originator Zone Level Type Role Class Number
10875 - EPR-AA-RF-DR-A-27-2500



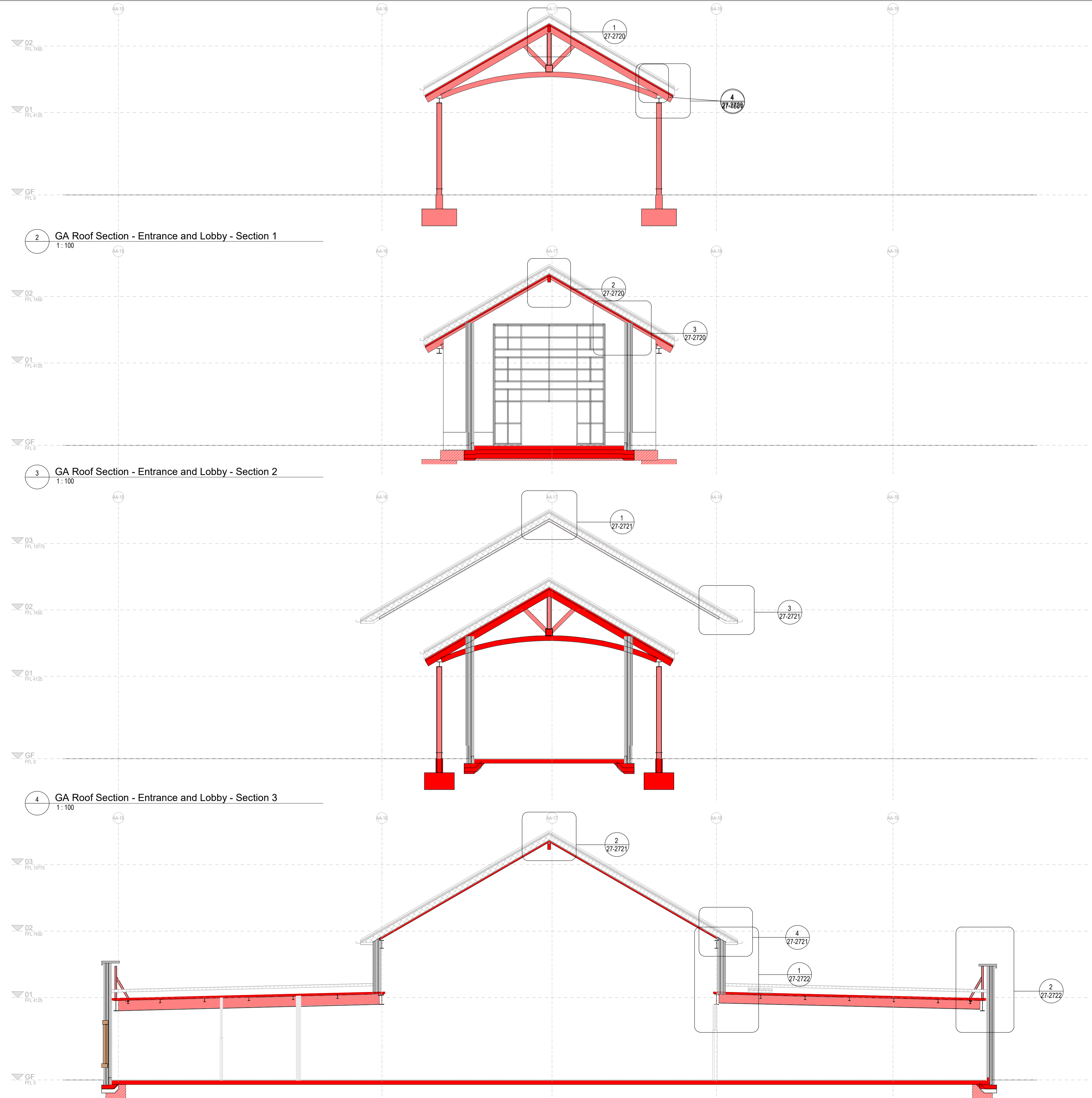
1 Hotel Lobby Roof - Interfaces GA Scope Plan
1: 500

2 GA Roof Section - Entrance and Lobby - Section 1
1: 100

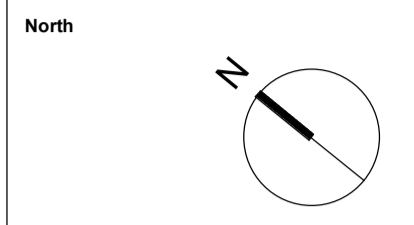
3 GA Roof Section - Entrance and Lobby - Section 2
1: 100

4 GA Roof Section - Entrance and Lobby - Section 3
1: 100

5 GA Roof Section - Entrance and Lobby - Section 4
1: 100



Keyplan



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Current Revision Description (Post Final Stage 4 Submission)

P02	RIBA STAGE 4 ISSUE	23.09.22	SL	AJ
P01	T04.1 PACKAGE RELEASE	29.07.22	DB	AJ
No.	Revision	Date	Initial	Chk'd
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Proposed Great Wolf Lodge - Chesterton, Bicester, Oxfordshire			EPR Project No 10875	
Hotel Lobby Roof - Interfaces Scope Plan				
Scale @A1	Purpose of Issue	Status code - Revision		
As indicated	For Information	S2 - P02		
Project Code	Originator	Zone	Level	Type
10875 - EPR - AA - RF - DR - A - 27-2520				

2.3 Roof Interface Details

Keyplan

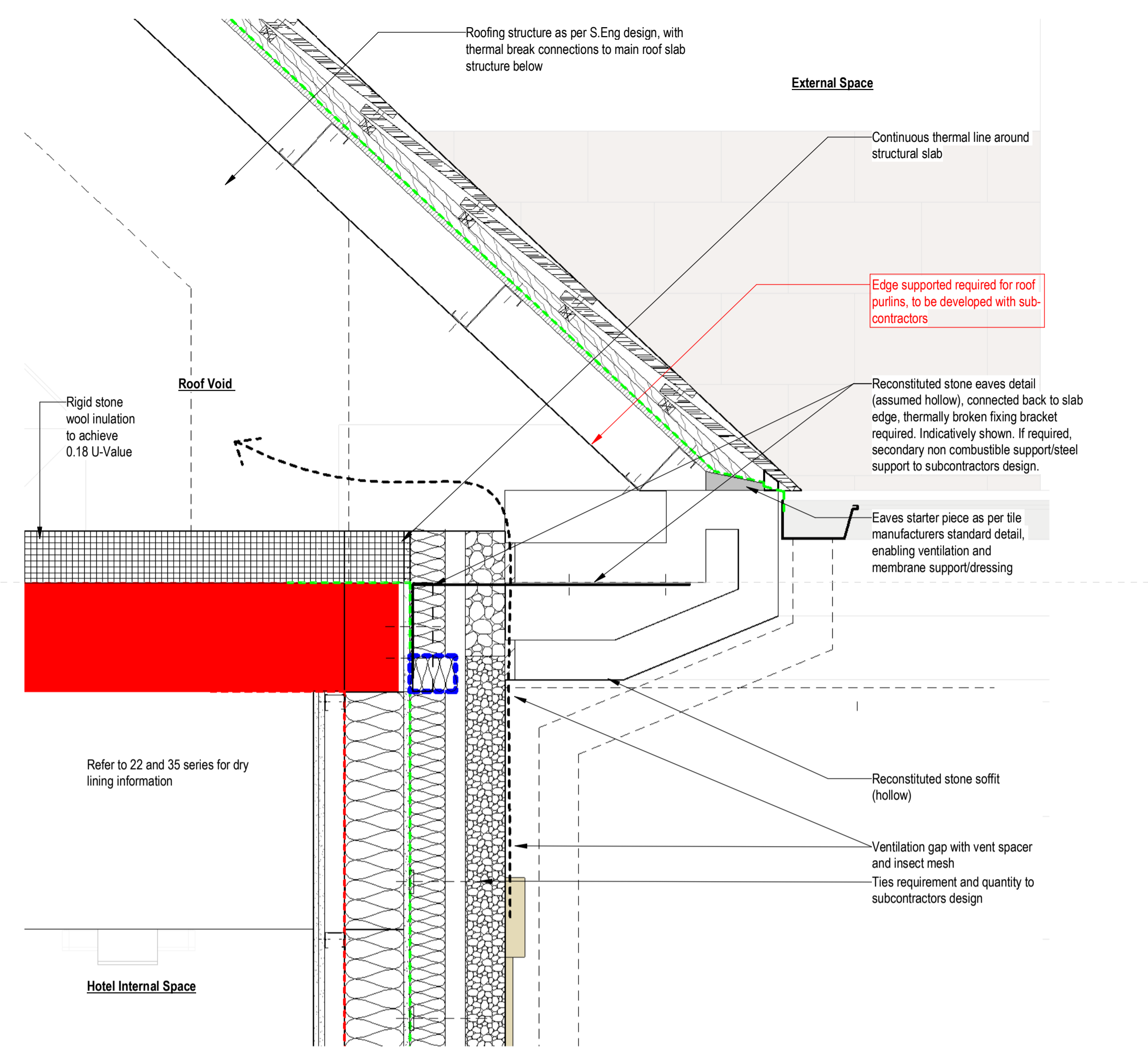
North

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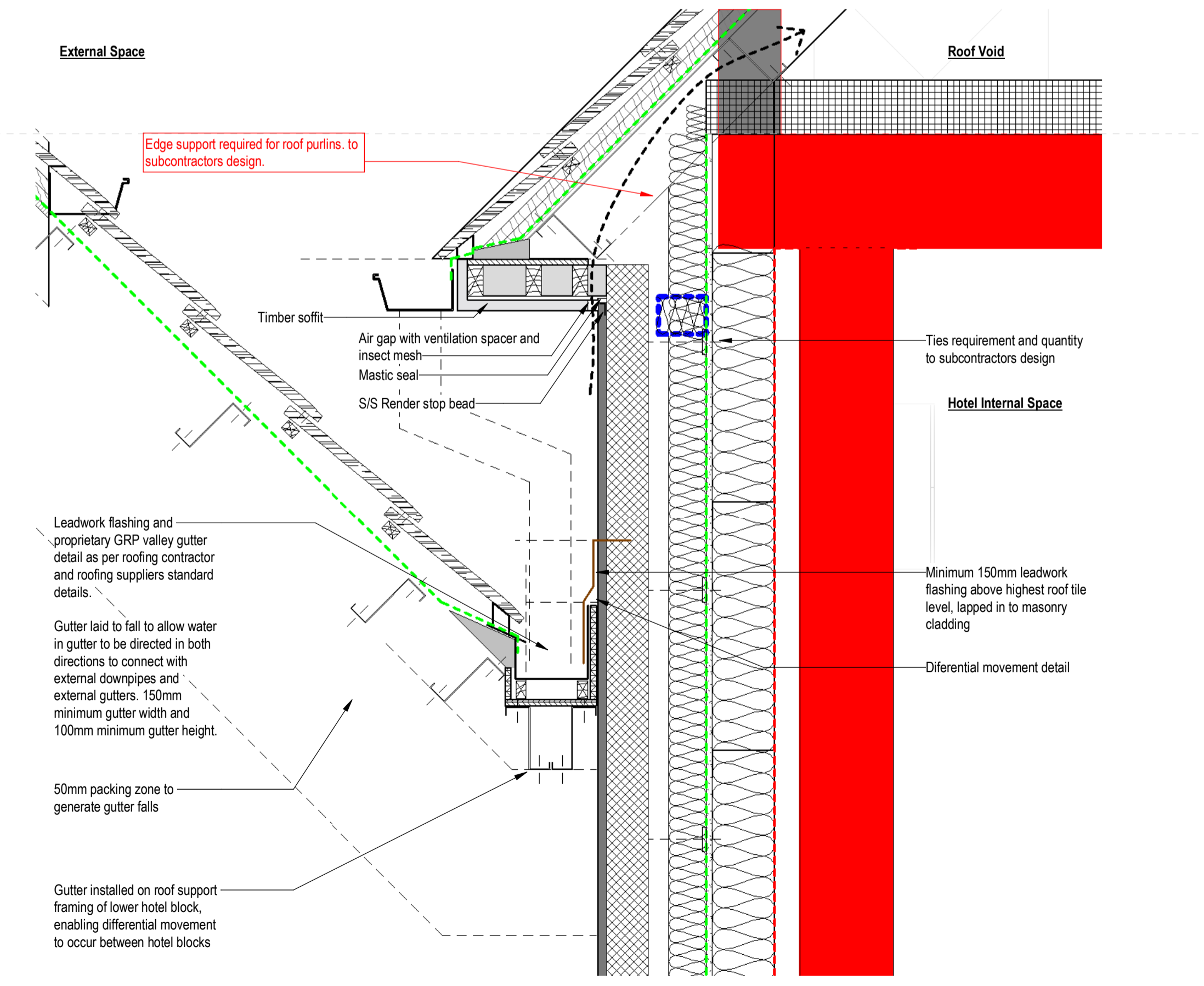
Current Revision Description (Post Final Stage 4 Submission)

Key Legend For 27 - Roofs:

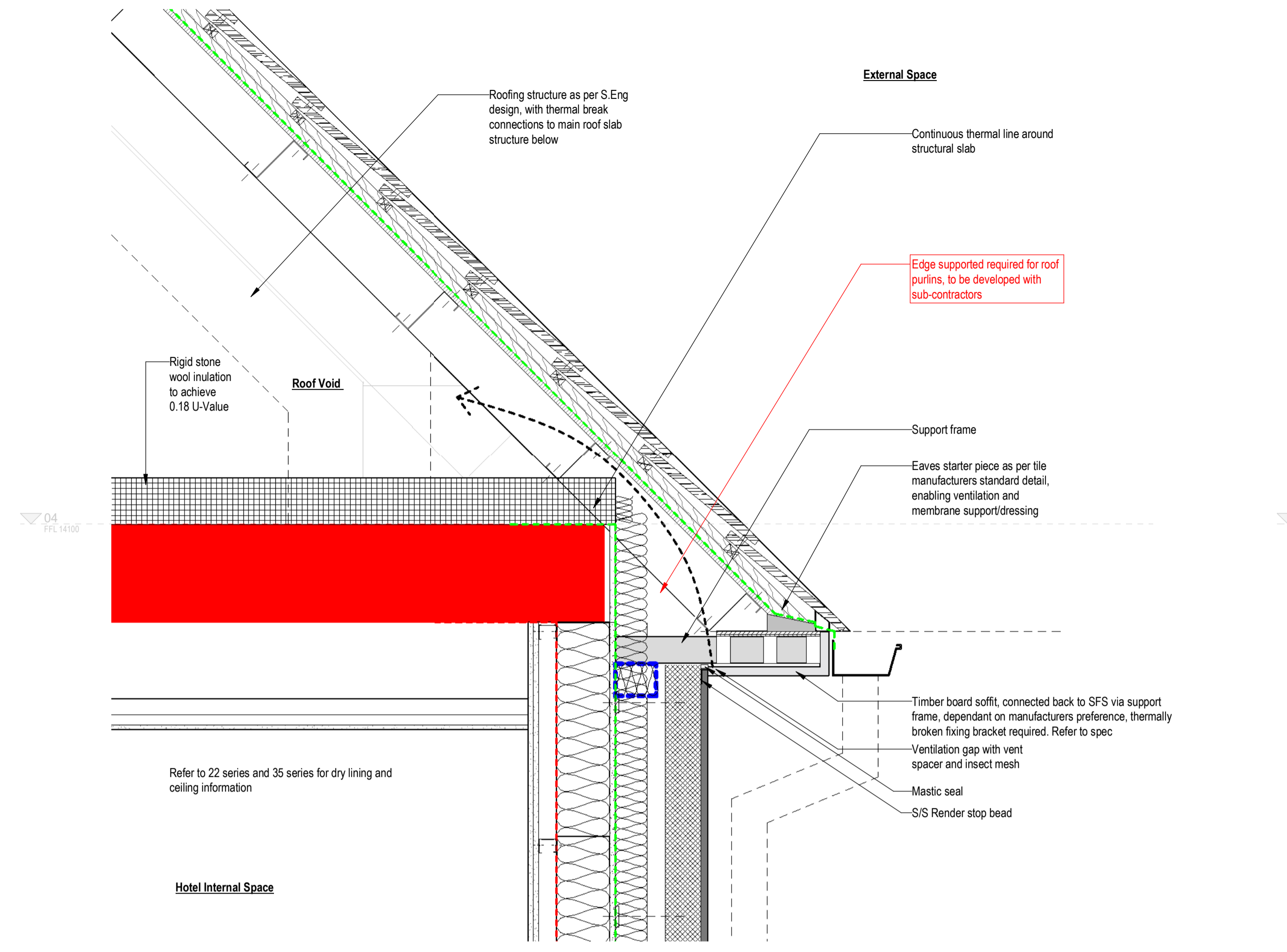
Roof Type: A-EPR-RF-Roof Type 1A Roof Type Details				
Warm Flat Roof, with cut to fell insulation, roofing finish only				
Roof Type: A-EPR-RF-Roof Type 1B Roof Type Details				
Warm Flat Roof, flat insulation, roofing finish only				
Roof Type: A-EPR-RF-Roof Type 1C Roof Type Details				
Warm Flat Roof, flat insulation, roofing finish with - Flaming Slab or Palakabs only to Green Roof				
Roof Type: A-EPR-RF-Roof Type 1D Roof Type Details				
Warm Flat Roof, flat insulation, roofing finish with - Green roof system finish				
Roof Type: A-EPR-RF-Roof Type 1E Roof Type Details				
Warm Flat Roof, flat insulation, roofing finish with - Green finish				
Roof Type: A-EPR-RF-Roof Type 2 Roof Type Details				
Pitched roof, un-insulated, dark red tile finish				
Roof Type: A-EPR-RF-Roof Type 3 Roof Type Details				
Pitched roof, un-insulated, dark grey tile finish				
Roof Type: A-EPR-RF-Roof Type 4 Roof Type Details				
Pitched roof, insulated, dark red tile finish				
Roof Type: A-EPR-RF-Roof Type 5 Roof Type Details				
Pitched roof, insulated, Congrebed/Steel Finish - Green				
Insulation				
EPS Tapered Insulation				
Stone Wool Insulation (to slab under hotel except where cut)				
Tasking/DR Line (Last Specification in TIC)				
Tasking/Protective Layer (Last Specification in TIC)				
EDM				
Water Control Layer				
Roofing Membrane/Weather Layer				
Cable Barriers Cable barrier systems are indicated diagrammatically and are shown for planning purposes only. The final location and design of cable barriers will depend on the final design in coordination with the relevant fire engineer and building control as part of completing the COP works.				
Cable Tray				
No.	Revision	Date	Initial	Chk'd
P05	Planning - Condition 5 Issue	xx.05.23	SH	AJ
P04	RIBA STAGE 4 ISSUE	30.09.22	SL	AJ
P03	RIBA STAGE 4 ISSUE	23.09.22	SL	AJ
P02	Updates to detail and notes added	12.08.22	SL	AJ
P01	T04.1 PACKAGE RELEASE	29.07.22	DB	AJ



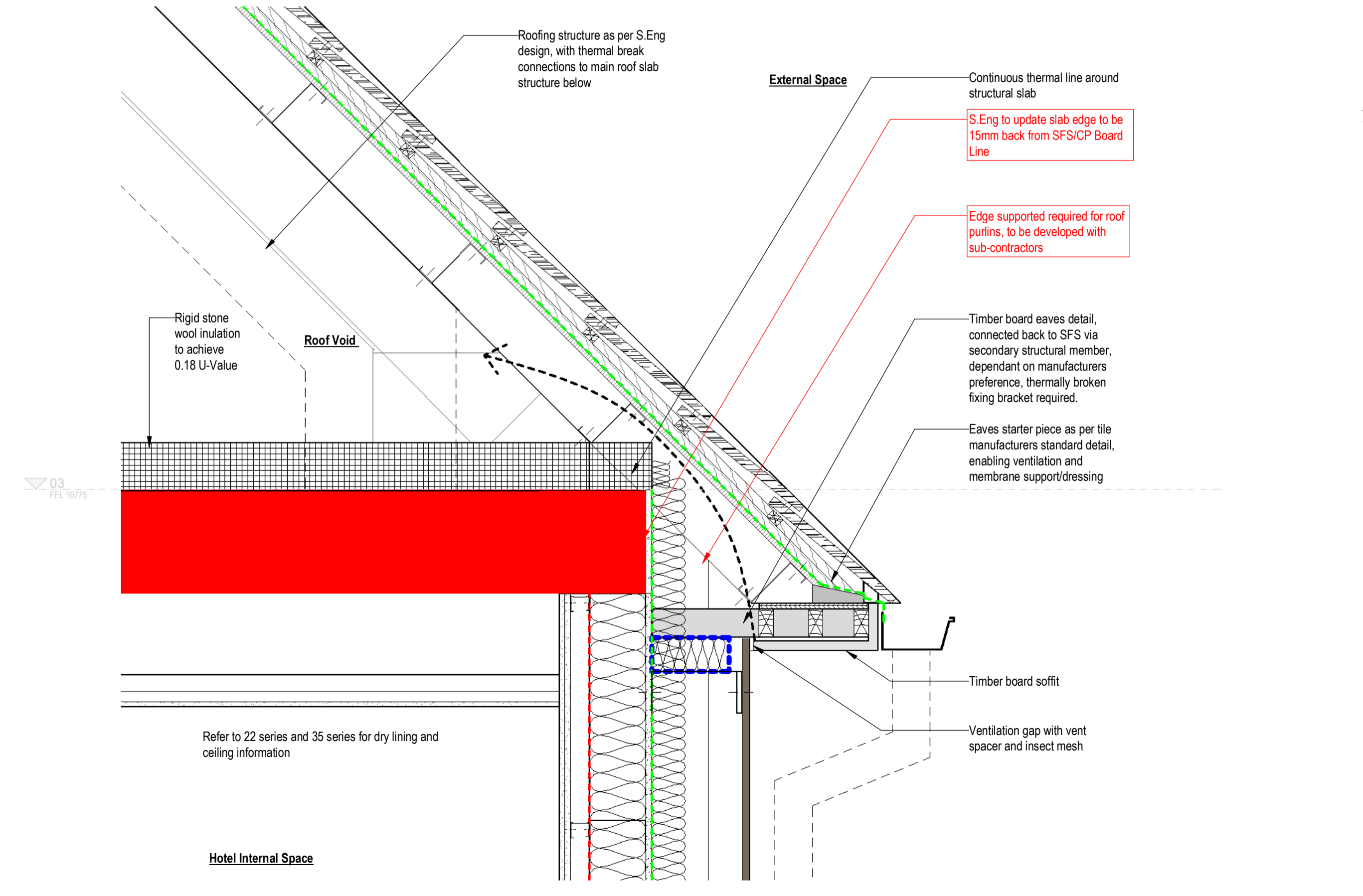
27 Typical Detail - Stone Cladding + Stone Eaves
 1:10



27 Typical Detail - Low-High Roof Section - Render Cladding + Timber Eaves Board
 1:10



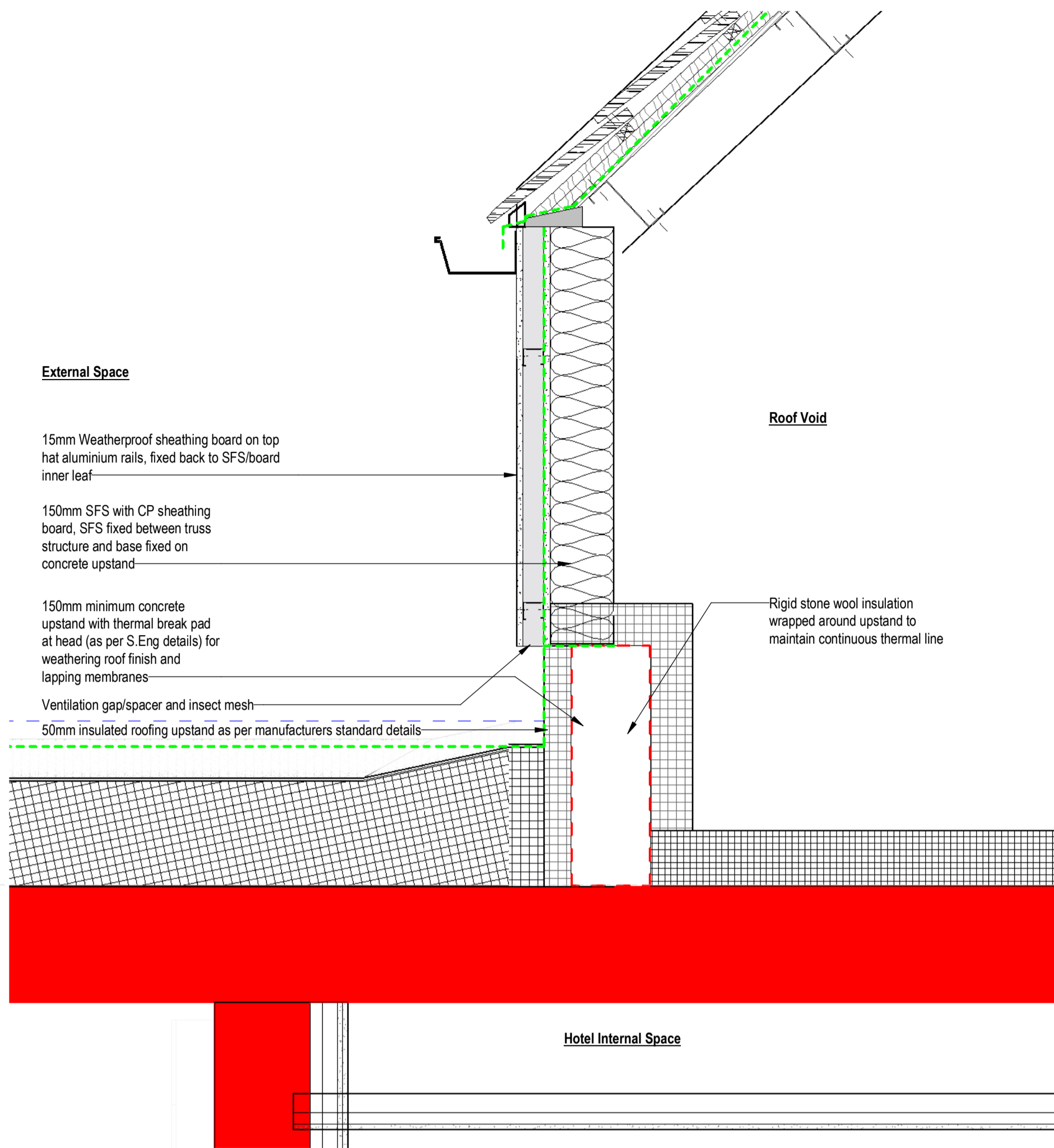
27 Typical Detail - Render Cladding + Timber Eaves Board
 1:10



27 Typical Detail - Timber Cladding + Timber Eaves Board
 1:10

External Space

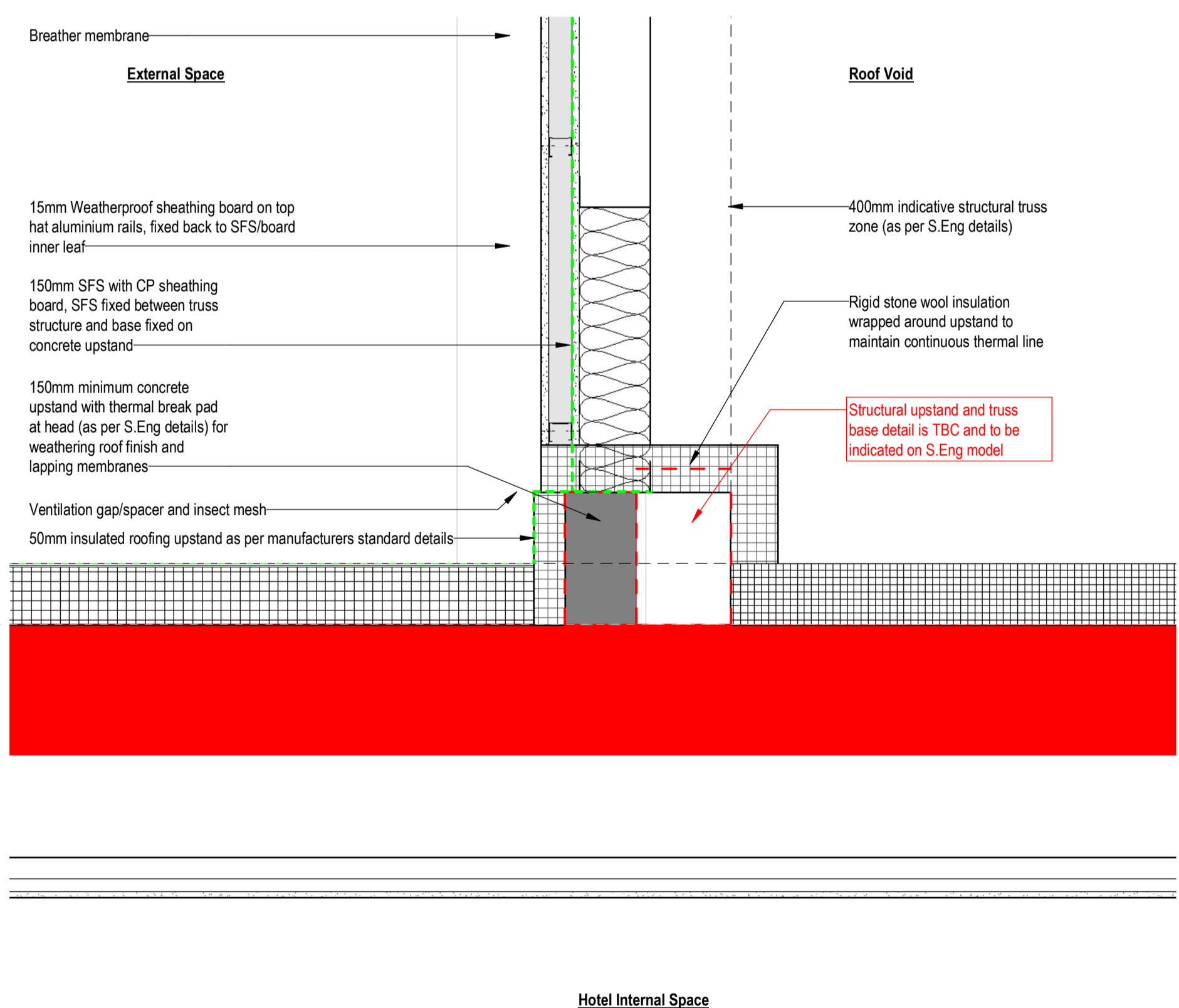
- 15mm Weatherproof sheathing board on top hat aluminium rails, fixed back to SFS/board inner leaf
- 150mm SFS with CP sheathing board, SFS fixed between truss structure and base fixed on concrete upstand
- 150mm minimum concrete upstand with thermal break pad at head (as per S.Eng details) for weathering roof finish and lapping membranes
- Ventilation gap/spacer and insect mesh
- 50mm insulated roofing upstand as per manufacturers standard details



1 27 Typical Detail - Pitched Roof to Roof Wall + Main Roof Base Detail
27-2500 1:10

External Space

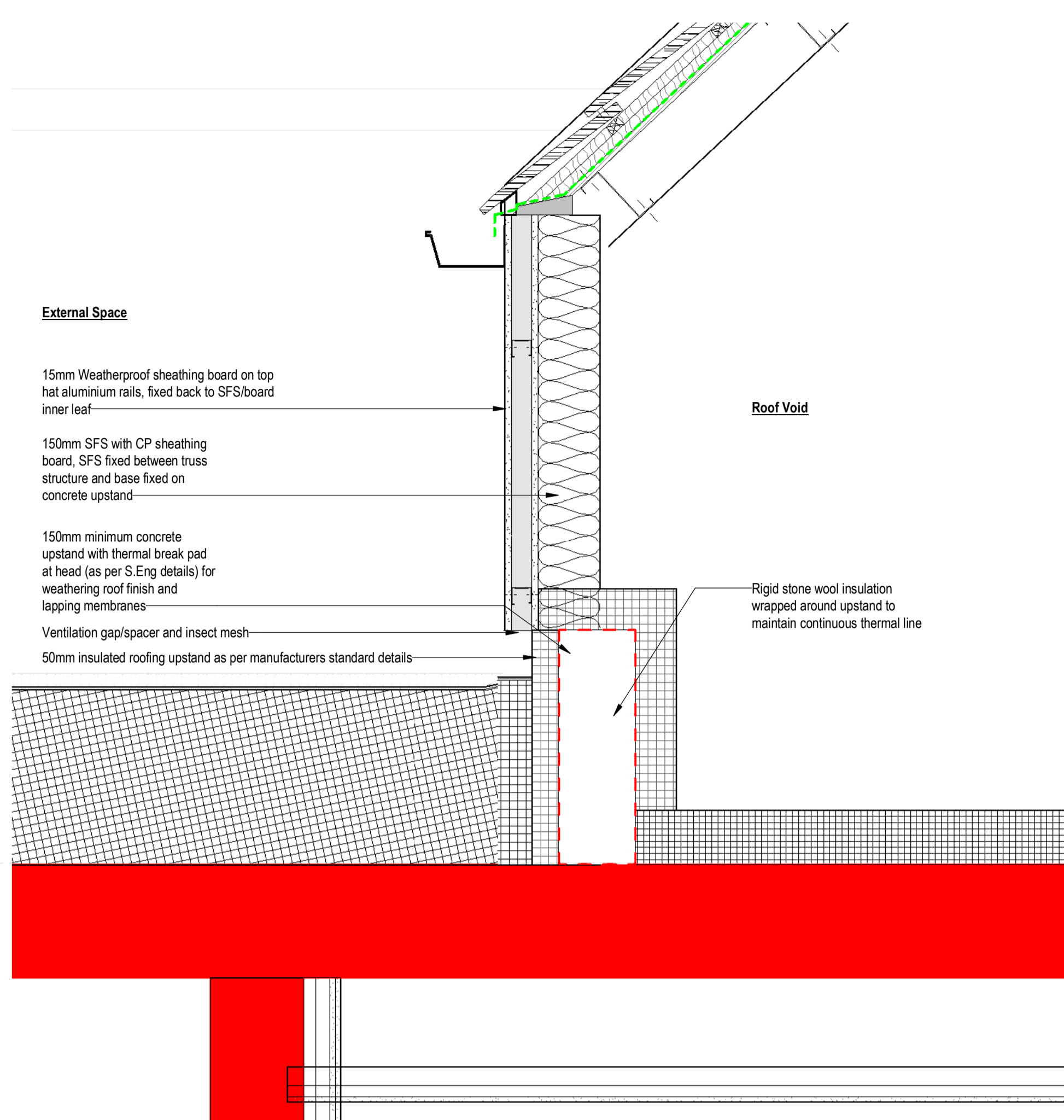
- 15mm Weatherproof sheathing board on top hat aluminium rails, fixed back to SFS/board inner leaf
- 150mm SFS with CP sheathing board, SFS fixed between truss structure and base fixed on concrete upstand
- 150mm minimum concrete upstand with thermal break pad at head (as per S.Eng details) for weathering roof finish and lapping membranes
- Ventilation gap/spacer and insect mesh
- 50mm insulated roofing upstand as per manufacturers standard details



3 27 Typical Detail - Roof Wall + Main Roof Base Detail
27-2500 1:10

External Space

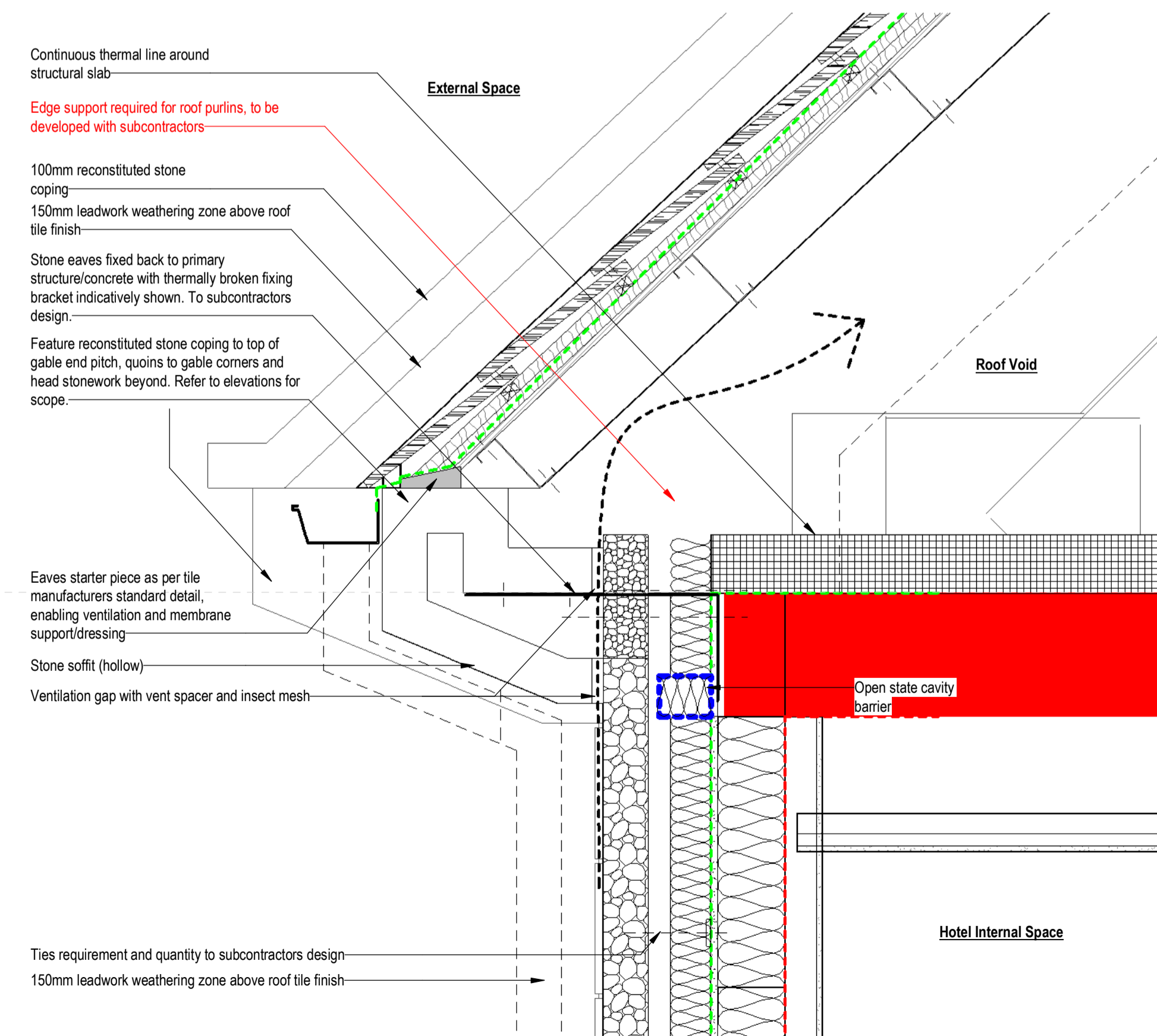
- 15mm Weatherproof sheathing board on top hat aluminium rails, fixed back to SFS/board inner leaf
- 150mm SFS with CP sheathing board, SFS fixed between truss structure and base fixed on concrete upstand
- 150mm minimum concrete upstand with thermal break pad at head (as per S.Eng details) for weathering roof finish and lapping membranes
- Ventilation gap/spacer and insect mesh
- 50mm insulated roofing upstand as per manufacturers standard details



2 27 Typical Detail - Pitched Roof to Parapet Wall
27-2500 1:10

External Space

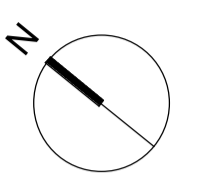
- Continuous thermal line around structural slab
- Edge support required for roof purlins, to be developed with subcontractors
- 100mm reconstituted stone coping
- 150mm leadwork weathering zone above roof tile finish
- Stone eaves fixed back to primary structure/concrete with thermally broken fixing bracket indicatively shown. To subcontractors design.
- Feature reconstituted stone coping to top of gable end pitch, quoins to gable corners and head stonework beyond. Refer to elevations for scope.



4 27 Typical Detail - Gable End Decorative Stone
27-2500 1:10

Keyplan

North



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Current Revision Description (Post Final Stage 4 Submission)

Key Legend For 27 - Roofs:

Roof Type: A-EPR-RF-Roof Type 1A Roof Type Details	
Warm Flat Roof, flat insulation, roofing finish only	
Roof Type: A-EPR-RF-Roof Type 1B Roof Type Details	
Warm Flat Roof, flat insulation, roofing finish only	
Roof Type: A-EPR-RF-Roof Type 1C Roof Type Details	
Warm Flat Roof, flat insulation, roofing finish with Parrying Slabs on Pedestals only to Green Roof	
Roof Type: A-EPR-RF-Roof Type 1D Roof Type Details	
Warm Flat Roof, flat insulation, roofing finish with Green roof system (top)	
Roof Type: A-EPR-RF-Roof Type 1E Roof Type Details	
Warm Flat Roof, flat insulation, roofing finish with Green finish	
Roof Type: A-EPR-RF-Roof Type 2 Roof Type Details	
Pitched roof, un-insulated, dark red tile finish	
Roof Type: A-EPR-RF-Roof Type 3 Roof Type Details	
Pitched roof, un-insulated, dark grey tile finish	
Roof Type: A-EPR-RF-Roof Type 4 Roof Type Details	
Pitched roof, insulated, dark red tile finish	
Roof Type: A-EPR-RF-Roof Type 5 Roof Type Details	
Pitched roof, insulated, Copulated Metal Finish - Green	
Insulation	
FR Tapered Insulation	
Stone Wool Insulation (to slab under head/through human exit)	
Integrating/EPDM Line (Last Specification in TIC)	
Tasking Protective Layer (Last Specification in TIC)	
EPDM	
Vapour Control Layer	
Breather Membrane/Weather Line	
Cavity Barriers (Only cavity barriers are indicated diagrammatically and are shown to provide purposes only. The final location and design of cavity barriers are subject to the building designer in consultation with the project's engineer and building control as part of completing the COP works)	
Cavity Tray	

- Notes:**
- All roof upstands to have a non-combustible insulation used.
 - All roof penetrations to be adequately fire stopped as required to meet fire strategy report.
 - Acoustic requirements to achieve the minimum acoustic performance standards as set in the latest Hoare Lea acoustic report.
 - All areas of roof to meet the B roof (B) classification.
 - Fabric Air Permeability to achieve a maximum of 3 m³m²h @ 50 Pa
 - All Rainwater Downpipes and Gutters to be PPC Aluminium - Grey - Exact RAL Colour in TIC.
 - Refer to drawing 10875-EPR-ZZ-ZR-A-21-1010 for Materials Palette
 - Fire strategy to hotel roof void to MEP engineers design with note in compliance as agreed with BCO.

No.	Revision	Date	Initial	Chk'd
P04	Planning - Condition 5 Issue	xx.06.23	SH	AJ
P03	RIBA STAGE 4 ISSUE	23.09.22	SL	AJ
P02	Updates to detail and notes added	12.08.22	SL	AJ
P01	T04.1 PACKAGE RELEASE	28.07.22	DB	AJ

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Proposed Great Wolf Lodge - Chesterton, Bicester, Oxfordshire
EPR Project No 10875

Hotel Main Roof - Interface Details - Main Roof Level

Scale @A1 Purpose of Issue Status code Revision
As indicated For Information S2 - P04

Project Code Originator Zone Level Type Rate Class Number
10875 - EPR - AA - RF - DR - A - 27-2701