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.

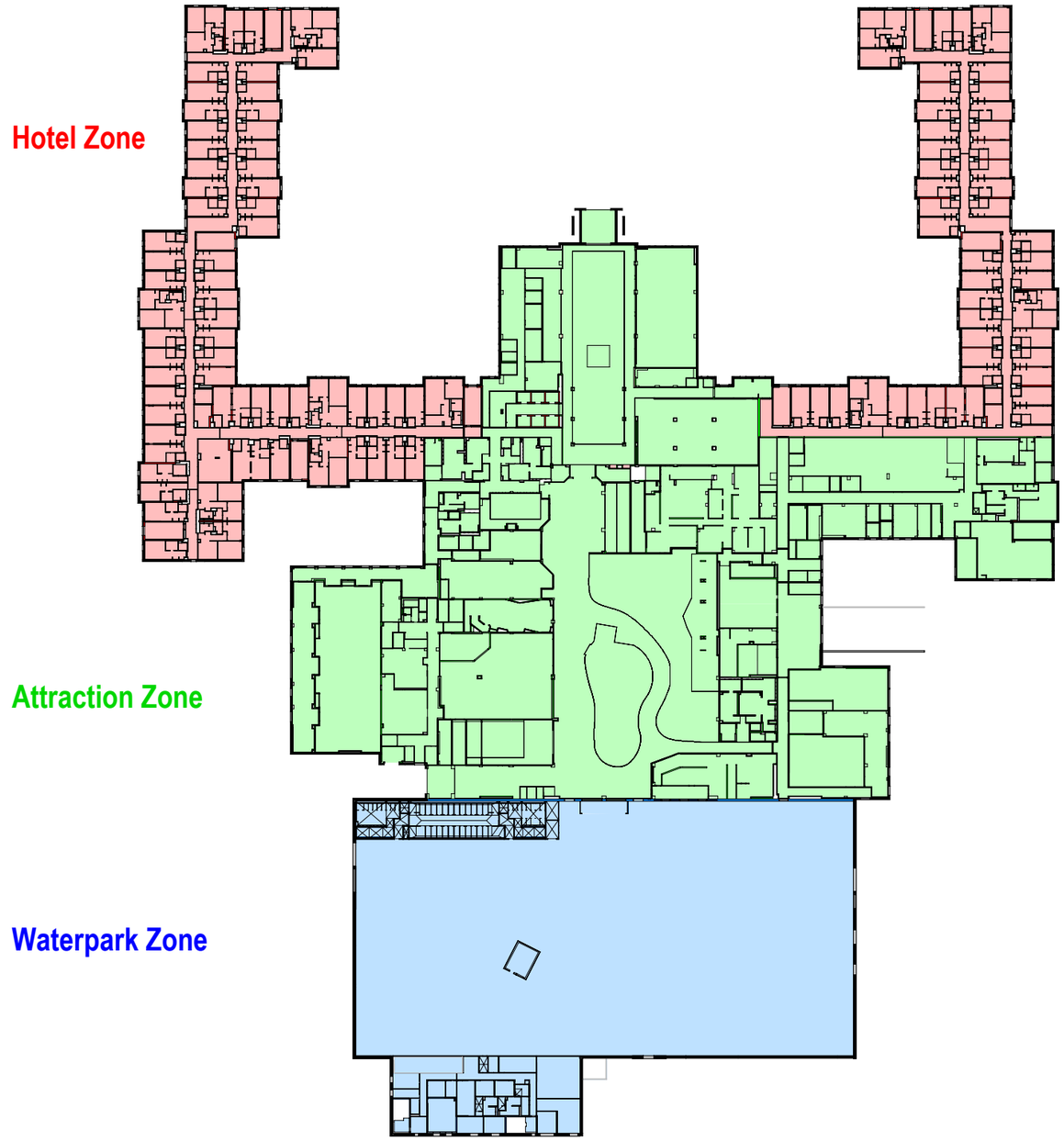
EPR ARCHITECTS

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 besubmitted to and approved in writing by the local planning authority prior to the construction of the buildings above slab level. Development shall carried out in accordance with the approved details.

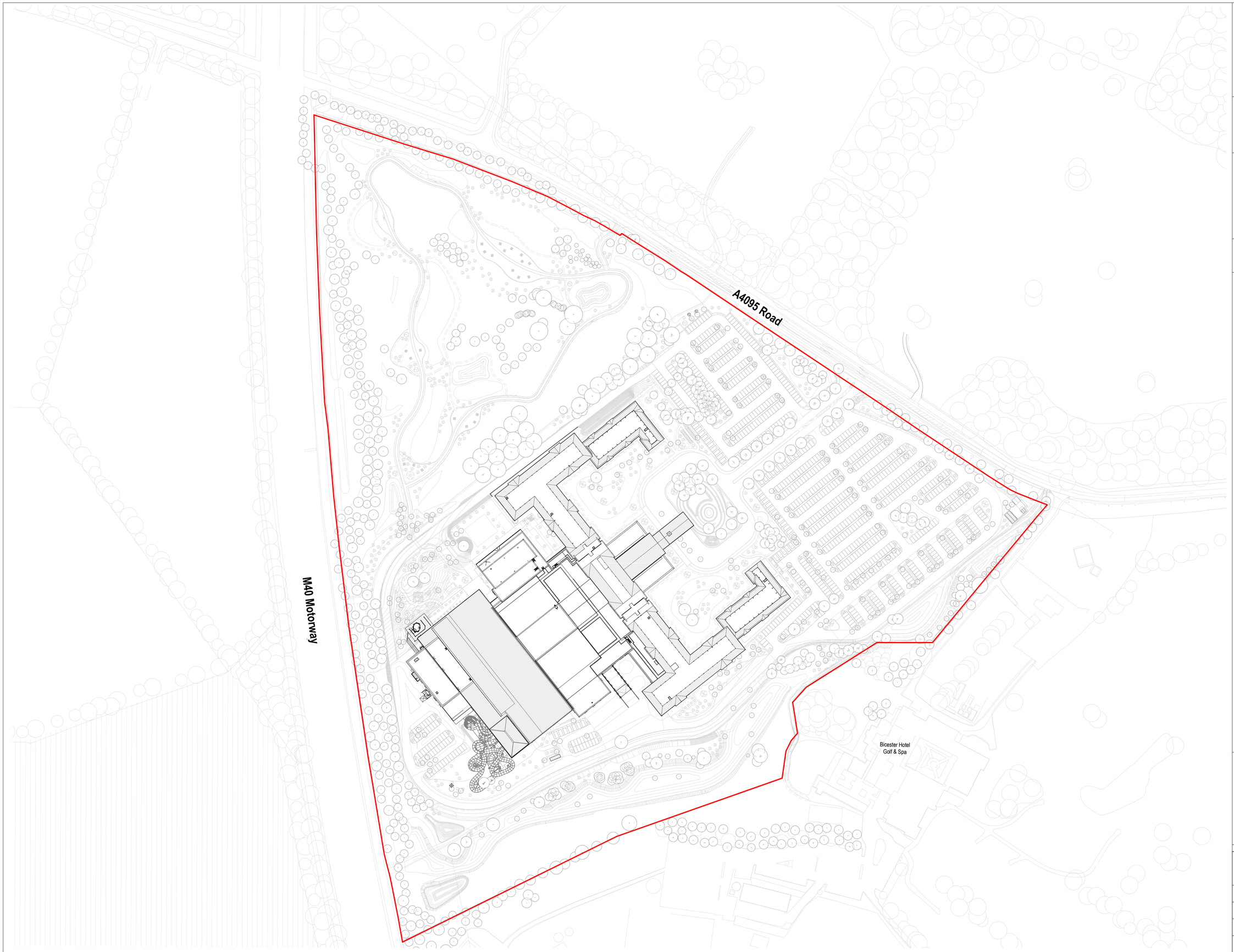
No.	Revision	Date	Prep'd	Ck'd
P01	For Information	01.06.2023	SH	SB



Contents

Prepared by: EPR Architects

1.0 Site Plan



Keyplan

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-10 0 10 20 30 40 50
SCALE 1:1250 m

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.

No.	Revision	Date	Initial	Chk'd
C01	Planning Amendment Issue	08.02.23	VM	AJ
P06	S2 - Planning Addendum Issue	10.12.21	NG	AJ
P05	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

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

Proposed Site Plan

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

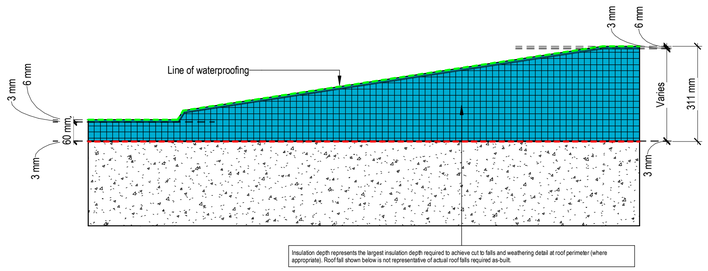
Project Code: 10875 - Originator: EPR - Zone: 00 - Level: ZZ - Type: DR - Role: A - Class: TP - Number: 0102

10875-EPR-00-ZZ-A3-A-Master.rvt
15/02/2023 13:46:19

2.0 Roof Details

2.1 Roof Types

Roof_Type_01A

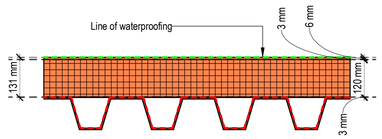


- **5.5mm Bitumen Capping Sheet**
- 3mm Underlay layer with reinforcement
- PIR Insulation Zone (Tapered Insulation)
- 2.5mm VCL and Adhesive Layer
- Concrete Substrate as per S.Eng details

U-Value: 0.18 W/m2/K (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 manufacture's designed system.

Roof_Type_01B

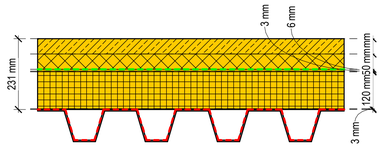


- **5.5mm Bitumen Capping Sheet**
- 3mm Underlay layer with reinforcement
- 120mm PIR Insulation Zone (Flat Insulation on Sloped Structure)
- 2.5mm VCL and Adhesive Layer
- Metal Deck/Substrate as per S.Eng details

U-Value: 0.18 W/m2/K (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 manufacture's designed system.

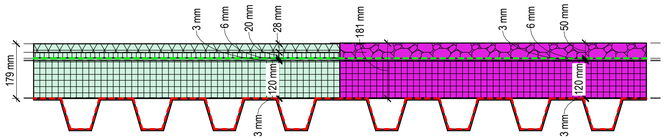
Roof_Type_01C



- **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**

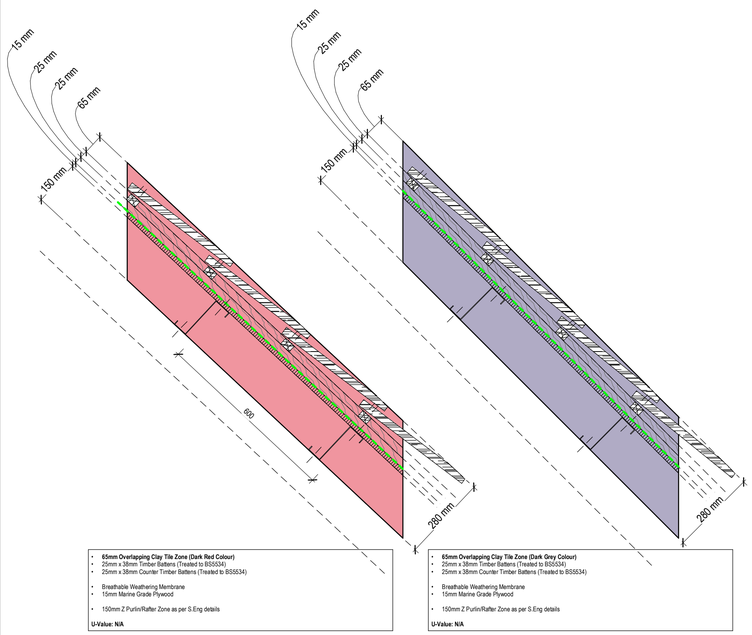
Remaining build-up as per Roof Type 1-B below the finishes noted above

Roof_Type_01E

- **50mm Gravel Finishes**

Remaining build-up as per Roof Type 1-B below the finishes noted above

Roof_Type_02



- **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
- 15mm Marine Grade Plywood
- 150mm Z Purlin/Rafter Zone as per S.Eng details

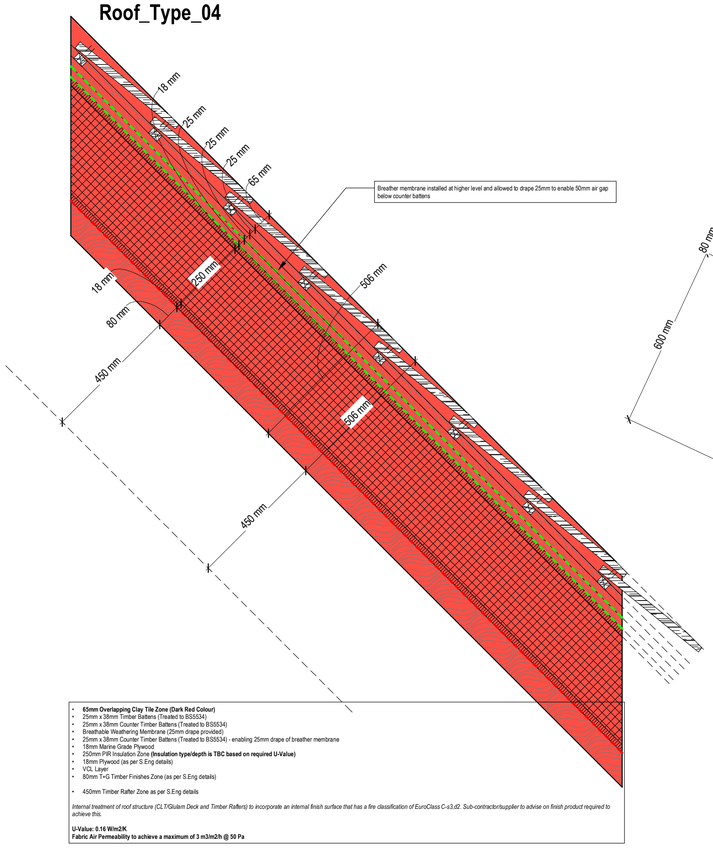
U-Value: N/A

- **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
- 15mm Marine Grade Plywood
- 150mm Z Purlin/Rafter Zone as per S.Eng details

U-Value: N/A

Roof_Type_03

Roof_Type_04



Breather membrane installed at higher level and allowed to drape 25mm to enable 50mm air gap below counter battens

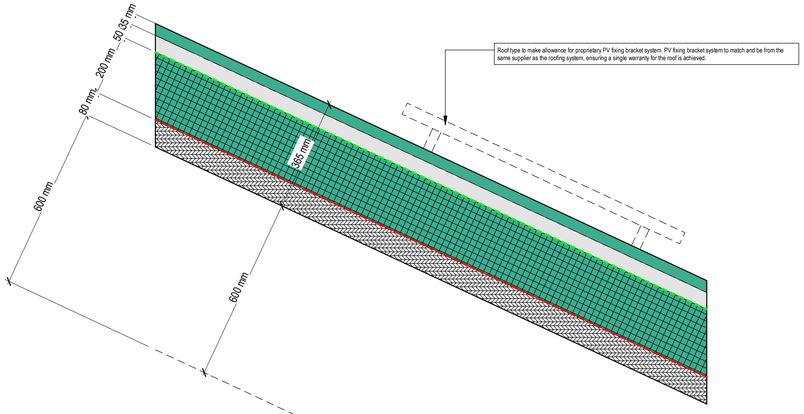
- **65mm Overlapping Clay Tile Zone (Dark Red Colour)**
- 25mm x 38mm Timber Battens (Treated to BS5534)
- 25mm x 38mm Counter Timber Battens (Treated to BS5534)
- Breathable Weathering Membrane (25mm drape provided)
- 25mm x 38mm Counter Timber Battens (Treated to BS5534) - enabling 25mm drape of breather membrane
- 18mm 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 treatment of roof structure (CLT/Glulam Deck and Timber Rafters) to incorporate an internal finish surface that has a fire classification of EuroClass C-s3,d2. Sub-contractor/supplier to advise on finish product required to achieve this.

U-Value: 0.16 W/m2/K
Fabric Air Permeability to achieve a maximum of 3 m3/m2/h @ 50 Pa

Roof_Type_05

N.B. Finishes and fixings to be of a suitable finish grade to enable use in a marine/humid environment



Roof type to make allowance for proprietary PV fixing bracket system. PV fixing bracket system to match and be from the same supplier as the roofing system, ensuring a single warranty for the roof is achieved.

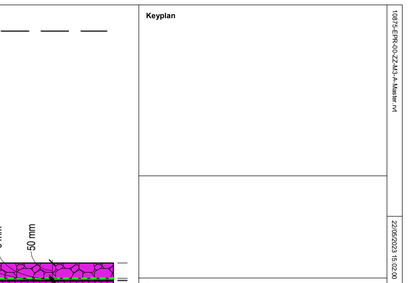
- **35mm Profiled Metal Roofing System Zone (Green Colour)**
- 50mm Ventilated Air Gap
- Breather Membrane
- 200mm PIR Insulation
- VCL
- 80mm CLT/Glulam Deck

Internal finish of CLT/Glulam Deck and Timber Rafters to consider the application of a clear sealant or clear 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-s3,d2. Sub-contractor/supplier 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: 0.16 W/m2/K
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 falls 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 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 sedum topping

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, uninsulated, dark red tile finish

Roof Type: A-EPR-RF-Roof Type 3
Roof Type Details
Pitched roof, uninsulated, 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, Corrugated Metal Finish - Green

Insulation
PIR Tapered Insulation
Stone Wool Insulation (to slab under hotel monopitch/screen roof)

Tanking/DPM Line
Exact Specification is TBC

Tanking Protective Layer
Exact Specification is TBC

EPDM

Vapour Control Layer

Breather Membrane/Weather Line

Cavity Barriers
Cavity barrier locations are indicated diagrammatically and are drawn for planning purposes only. The final location and design of cavity barriers are to be confirmed by the facade designer in coordination with the project's fire engineer and building control as part of completing the CDP works.

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 roof (t4) 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 TBC
- Refer to drawing 10875-EPR-ZZ-ZZ-DR-A-21-1610 for Materials Palette
- Fire strategy to hotel roof void to MEP engineers design with route to compliance as agreed with BCO.

No.	Revision	Date	Initial	Chk'd
P06	Planning - Condition 5 Issue	xx.05.23	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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Proposed Great Wolf Lodge - Chesterton, Bicester, Oxfordshire

EPR Project No 10875

Roof Types - Build Ups Sheet 1 of 2

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

Project Code: 10875
Originator: EPR
Zone: ZZ
Level: ZZ
Type: DR
Role: A
Class.: 27
Number: 1600

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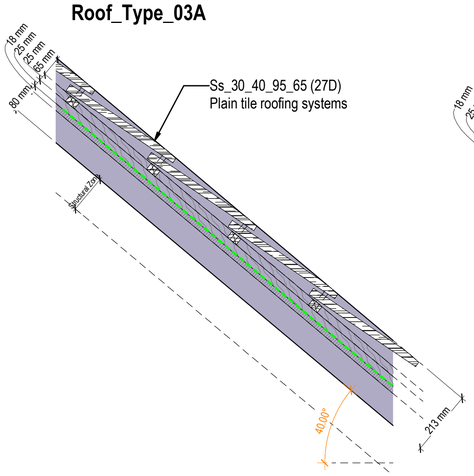
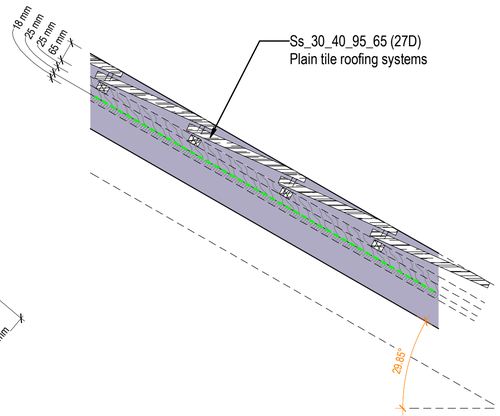
Roof_Type_03A



Roof_Type_03B

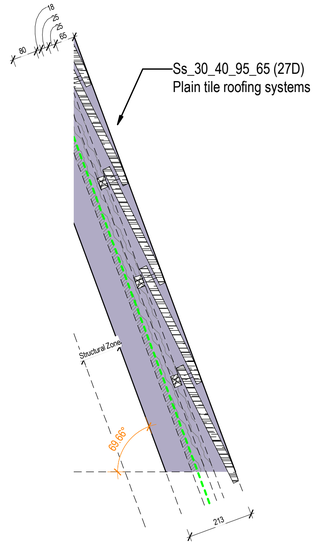


- **65mm Overlapping Clay Tile Zone (Dark Grey Colour)**
- 25mm x 38mm Timber Battens (Treated to BS5534)
- 25mm x 38mm Counter Timber Battens (Treated to BS5534)

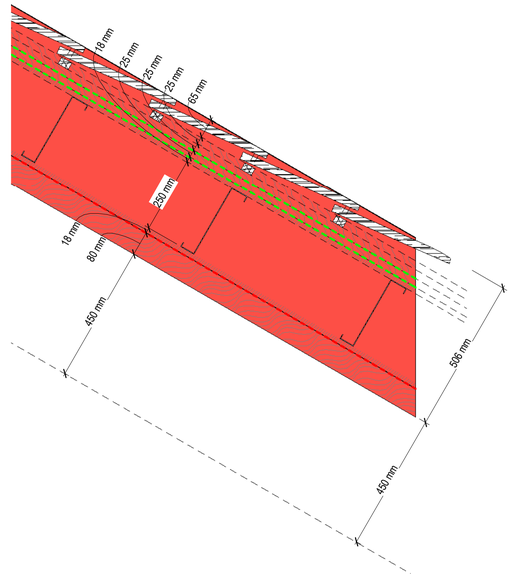
- Breathable Weathering Membrane
- 18mm Marine Grade Plywood
- 80mm T+G Timber Finishes Zone (as per S.Eng details)

U-Value: N/A

Roof_Type_03C



Roof_Type_04A



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- Breathable Weathering Membrane (25mm drape provided)
- 25mm x 38mm Counter Timber Battens (Treated to BS5534) - enabling 25mm drape of breather membrane
- 18mm Marine Grade Plywood
- 250mm Ventilated Cavity
- 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 treatment of roof structure (CLT/Glulam Deck and Timber Rafters) to incorporate an internal finish surface that has a fire classification of EuroClass C-s3,d2. Sub-contractor/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/m2h @ 50 Pa

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 falls 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 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 sedum topping

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, uninsulated, dark red tile finish

Roof Type: A-EPR-RF-Roof Type 3
Roof Type Details
Pitched roof, uninsulated, 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, Corrugated Metal Finish - Green

Insulation
PIR Tapered Insulation
Stone Wool Insulation (to slab under hotel monopitch/screen roof)

Tanking/DPM Line
Exact Specification is TBC

Tanking Protective Layer
Exact Specification is TBC

EPDM

Vapour Control Layer

Breather Membrane/Weather Line

Cavity Barriers
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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 roof (t4) 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 TBC
- Refer to drawing 10875-EPR-ZZ-ZZ-DR-A-21-1610 for Materials Palette
- Fire strategy to hotel roof void to MEP engineers design with route to compliance as agreed with BCO.

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

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

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	Role	Class.	Number
10875 -	EPR -	ZZ -	ZZ -	DR -	A -	27-	1601

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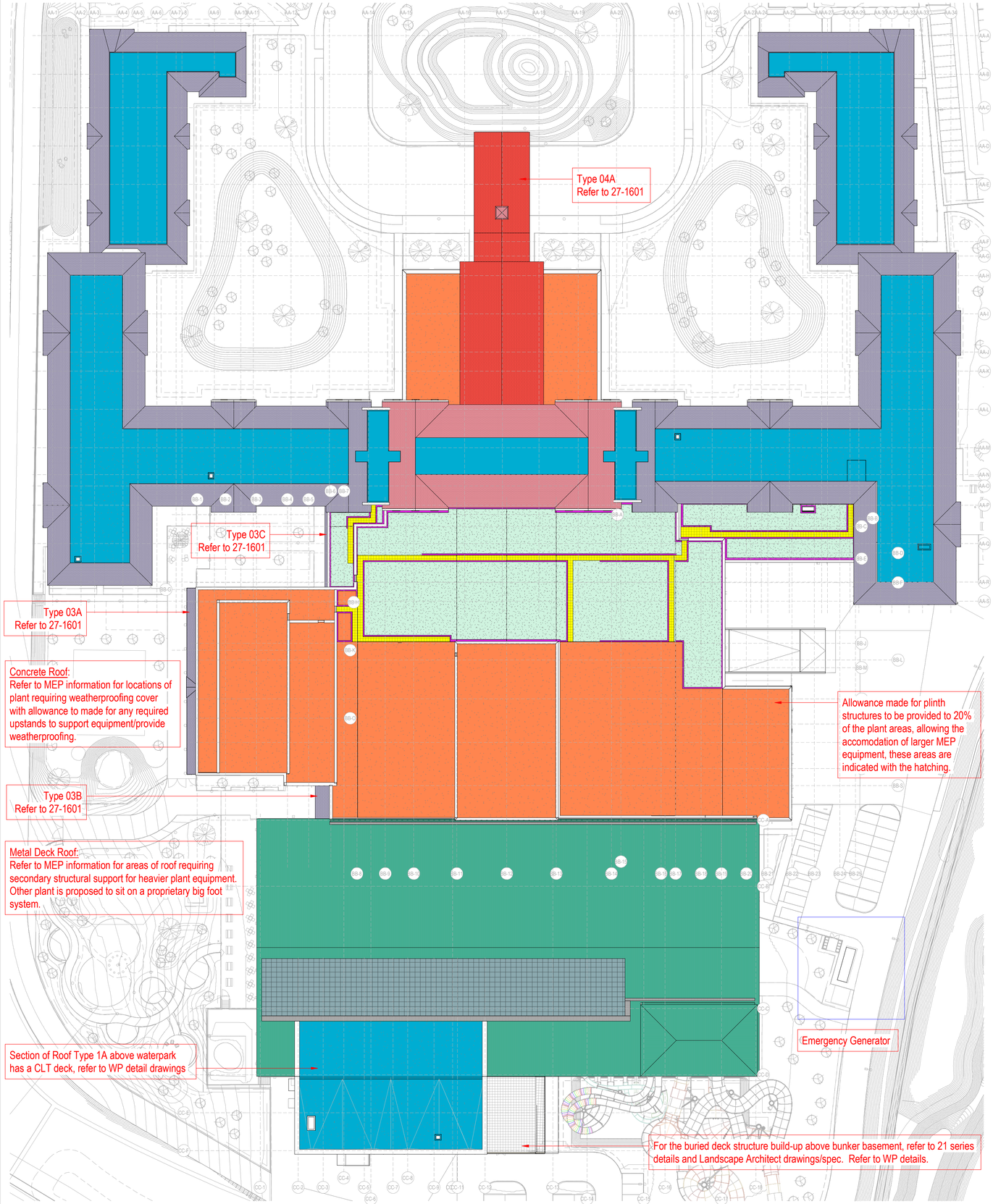
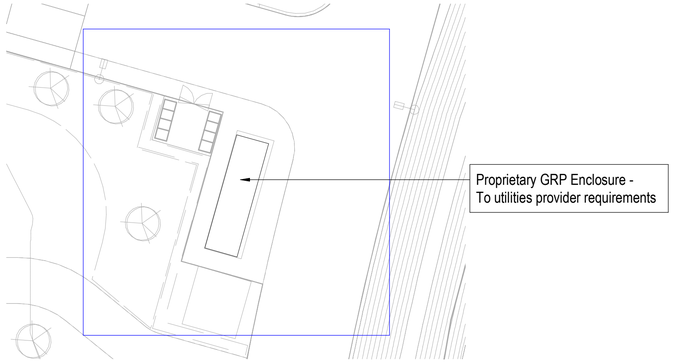
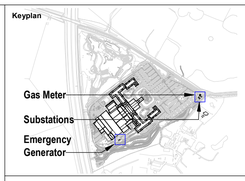




1 EG - Emergency Generator Roof Plan
1 : 200

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

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 falls 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 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 sedum topping

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, uninsulated, dark red tile finish

Roof Type: A-EPR-RF-Roof Type 3
Roof Type Details:
Pitched roof, uninsulated, 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, Corrugated Metal Finish - Green

Insulation
PIR Tapered Insulation
Stone Wool Insulation (to slab under hotel monopitch/screen roof)

Tanking/DPM Line
Exact Specification is TBC

Tanking Protective Layer
Exact Specification is TBC

EPDM

Vapour Control Layer

Breather Membrane/Weather Line

Cavity Barriers
Cavity barrier locations are indicated diagrammatically and are drawn for pricing purposes only. The final location and design of cavity barriers are subject to the facade designer in coordination with the project's fire engineer and building control as part of completing the CDP works.

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 roof (t4) 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 TBC
- Refer to drawing 10875-EPR-ZZ-ZZ-DR-A-21-1610 for Materials Palette
- Fire strategy to hotel roof void to MEP engineers design with route to compliance as agreed with BCO.

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	T04.1 PACKAGE RELEASE	29.07.22	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

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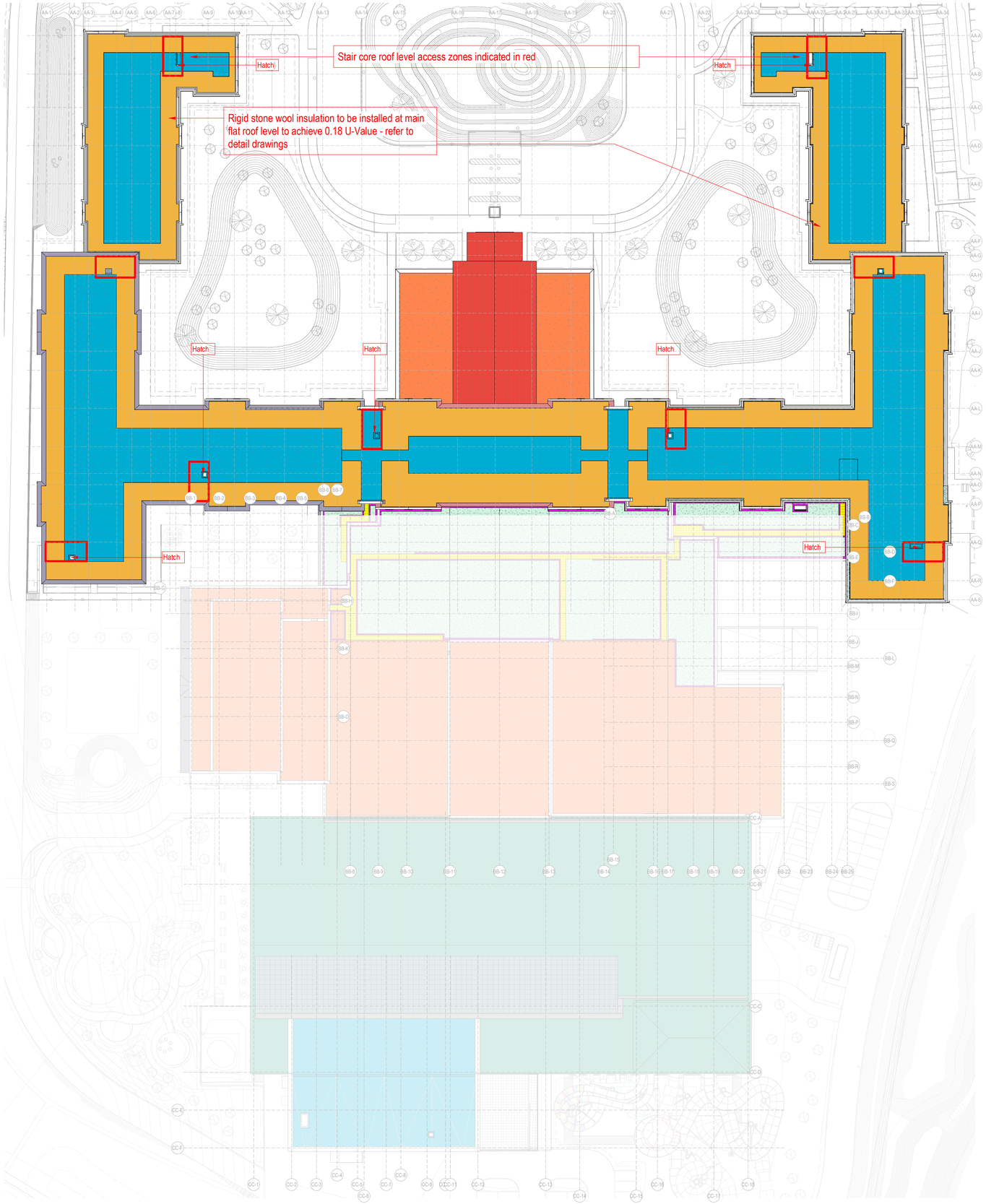
Proposed Great Wolf Lodge - Chesterton, Bicester, Oxfordshire
EPR Project No 10875

Roof Types Plan - All Roofs

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

Project Code	Originator	Zone	Level	Type	Role	Class	Number
10875	EPR	ZZ	RF	DR	A		27-1400



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 falls 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 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 sedum topping

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, uninsulated, dark red tile finish

Roof Type: A-EPR-RF-Roof Type 3
Roof Type Details
Pitched roof, uninsulated, 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, Corrugated Metal Finish - Green

Insulation
PIR Tapered Insulation
Stone Wool Insulation (to slab under hotel monopitch/screen roof)

Tanking/DPM Line
Exact Specification is TBC

Tanking Protective Layer
Exact Specification is TBC

EPDM

Vapour Control Layer

Breather Membrane/Weather Line

Cavity Barriers
Cavity barrier locations are indicated diagrammatically and are drawn for pricing purposes only. The final location and design of cavity barriers are subject to the façade designer in coordination with the project's fire engineer and building control as part of completing the CDP works.

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 roof (t4) 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 TBC.
- Refer to drawing 10875-EPR-ZZ-ZZ-DR-A-21-1610 for Materials Palette
- Fire strategy to hotel roof void to MEP engineers design with route to compliance as agreed with BCO.

No.	Revision	Date	Initial	Chk'd
P05	Planning - Condition 5 Issue	xx.05.23	SH	AJ
P04	RIBA STAGE 4 ISSUE	23.09.22	SL	AJ
P03	T04.1 PACKAGE RELEASE	29.07.22	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

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Proposed Great Wolf Lodge - Chesterton, Bicester, Oxfordshire

EPR Project No 10875

Roof Access Locations

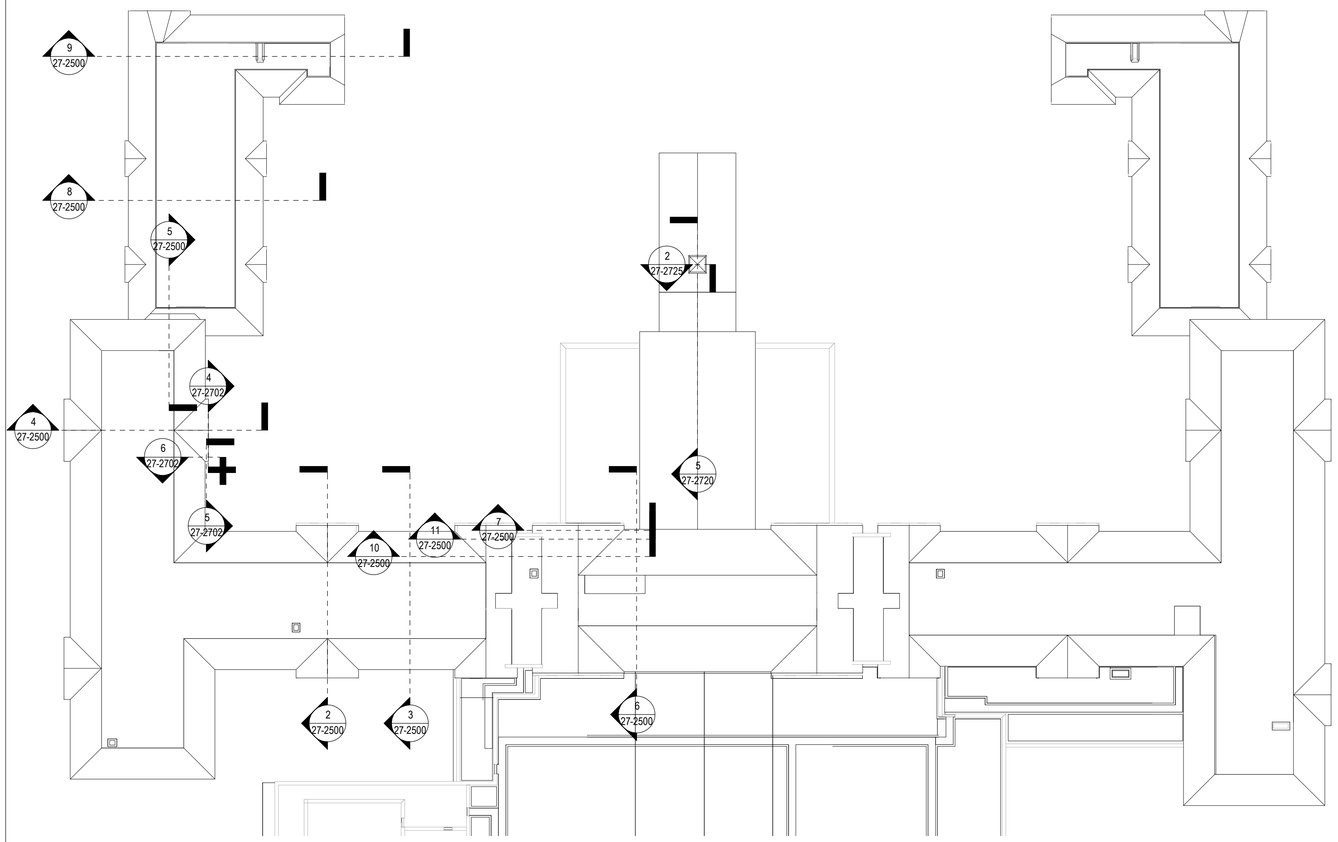
Scale @A1: As indicated
Purpose of Issue: For Information
Status code: S2
Revision: P05

Project Code: 10875
Originator: EPR
Zone: ZZ
Level: RF
Type: DR
Role: A
Class.: 27
Number: 1401

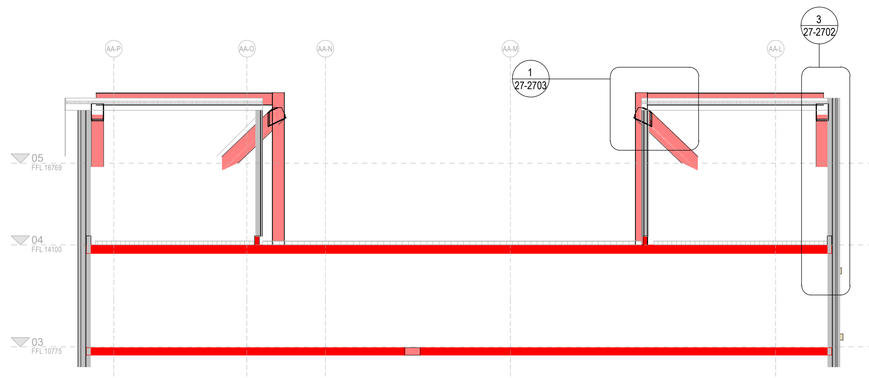
10875-EPR-00-ZZ-M3-A-Master.rvt

22/05/2023 15:01:49

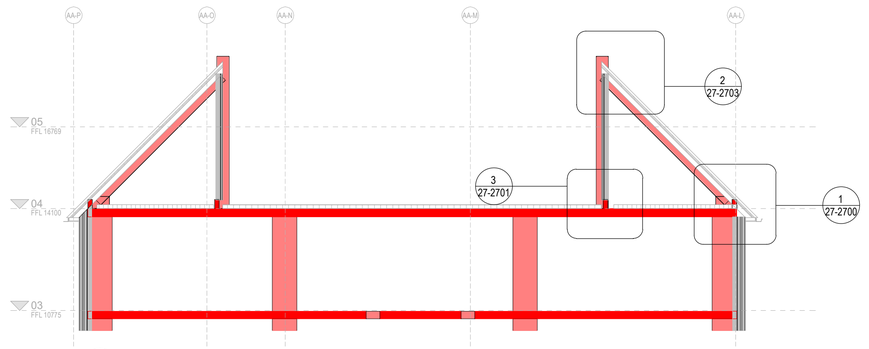
2.2 Roof Interface Scope



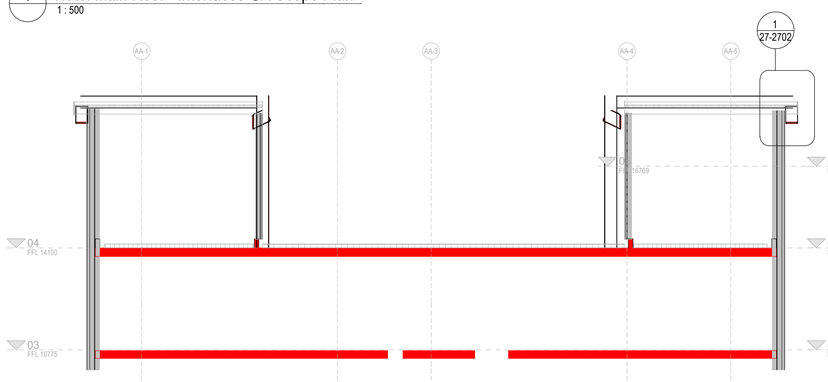
1 Hotel Main Roof - Interfaces GA Scope Plan
1 : 500



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
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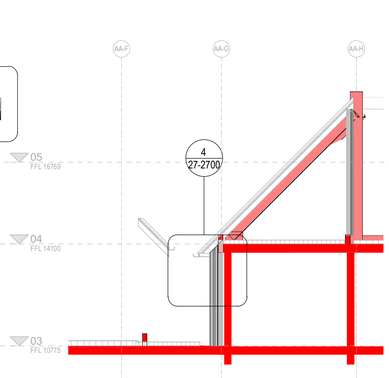
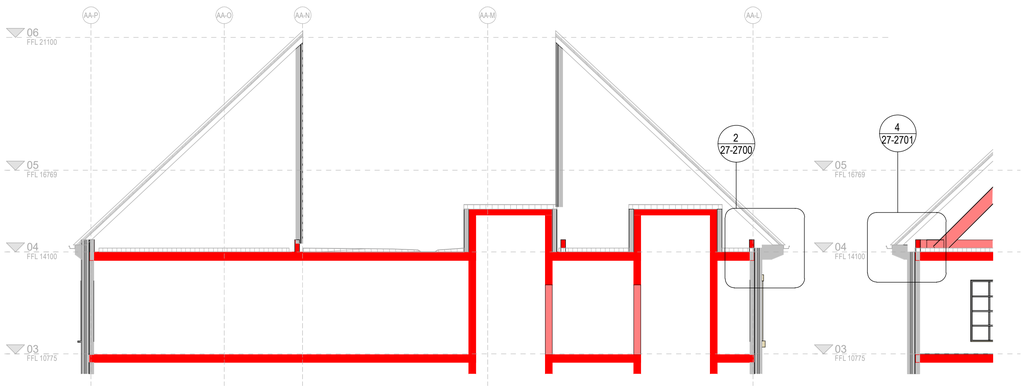
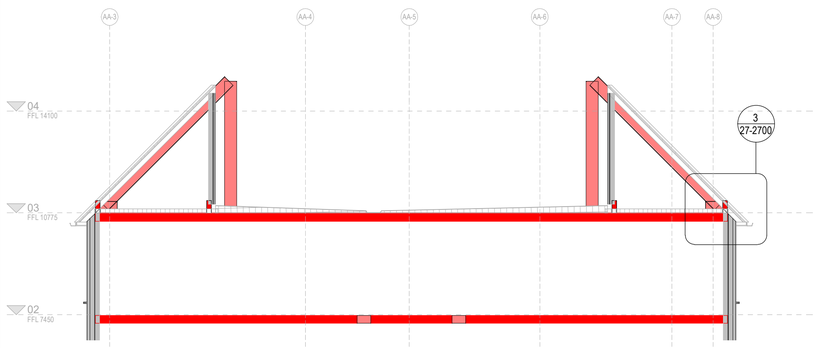


5 GA Roof Section - Low-High Roof Section
1 : 100



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
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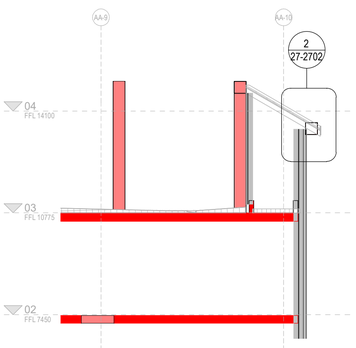

9 GA Roof Section - Timber Cladding Elevation - Jerkinhead Gable
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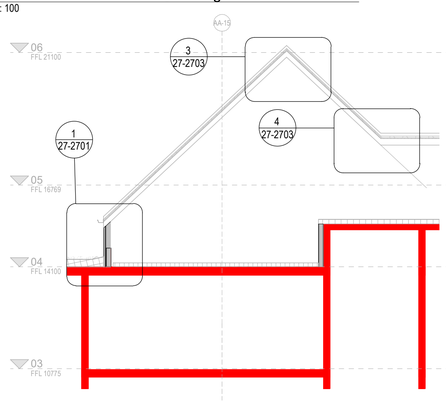

10 GA Roof Section - Flat-Pitched Roof
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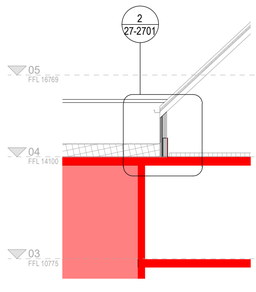

11 GA Roof Section - Parapet - Pitched Roof
1 : 100

Keyplan

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Current Revision Description (Post Final Stage 4 Submission)

10875-EPR-00-ZZ-A3-x-Master.rvt

22/05/2023 15:02:20

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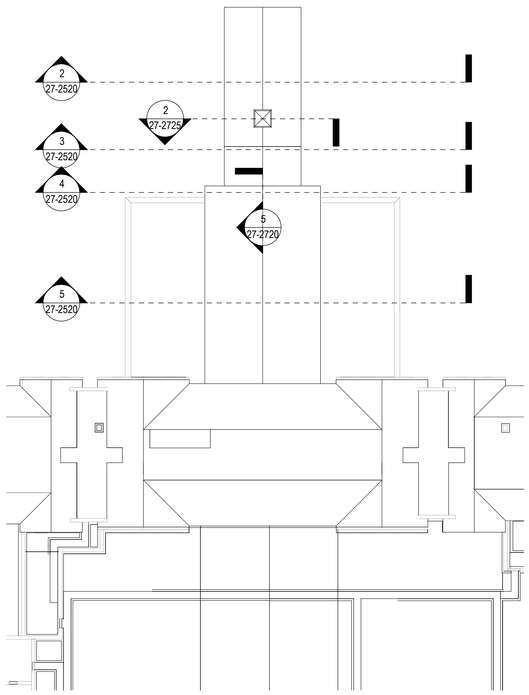
Proposed Great Wolf Lodge - Chesterton, Bicester, Oxfordshire
EPR Project No 10875

Hotel Main Roof - Interfaces Scope Plan

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

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



1 / 01-0102 Hotel Lobby Roof - Interfaces GA Scope Plan
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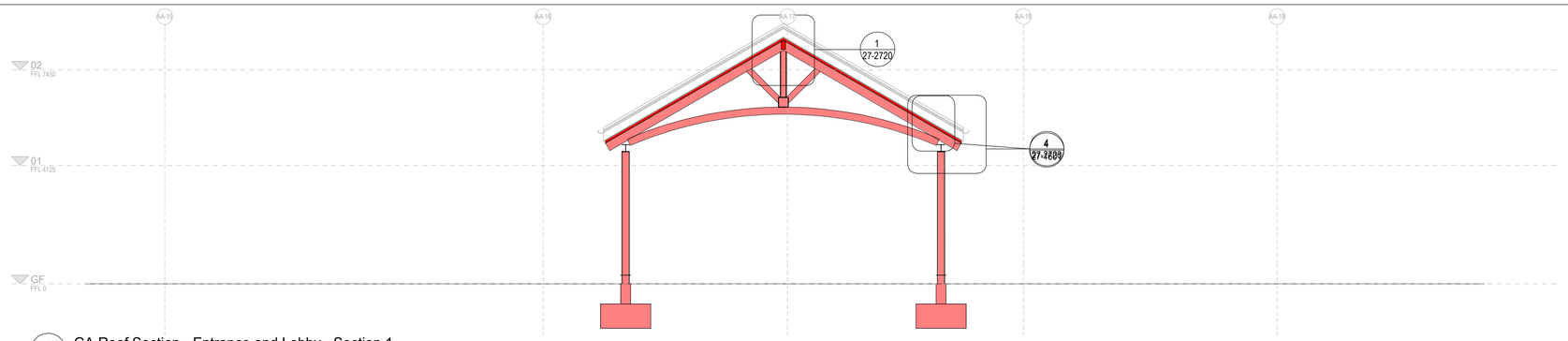
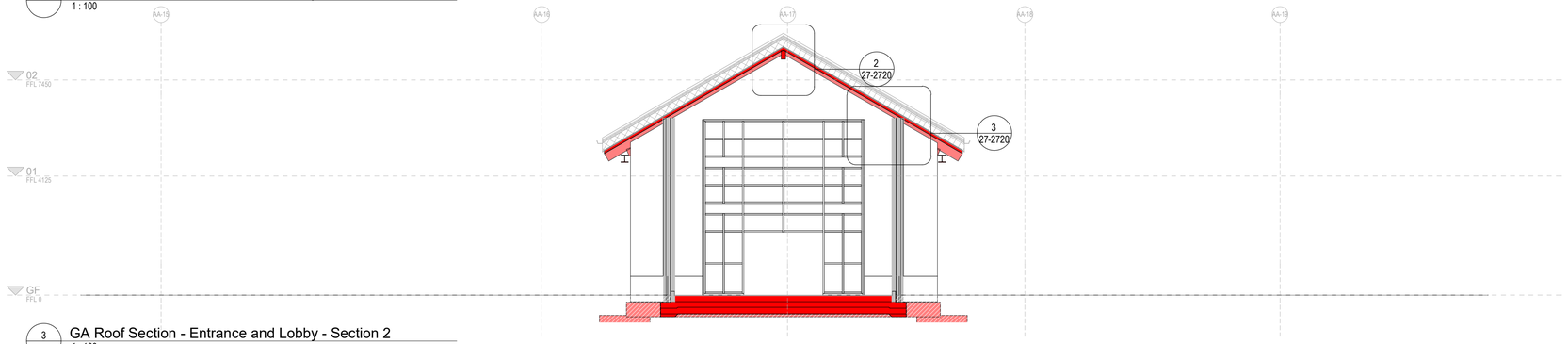
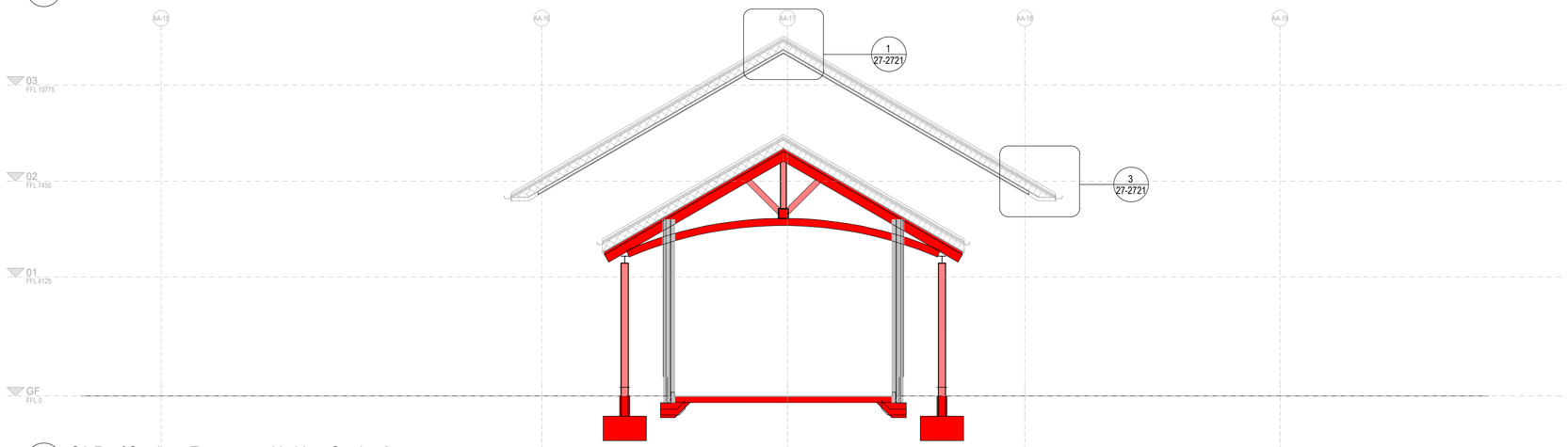


2 GA Roof Section - Entrance and Lobby - Section 1
1 : 100



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



4 GA Roof Section - Entrance and Lobby - Section 3
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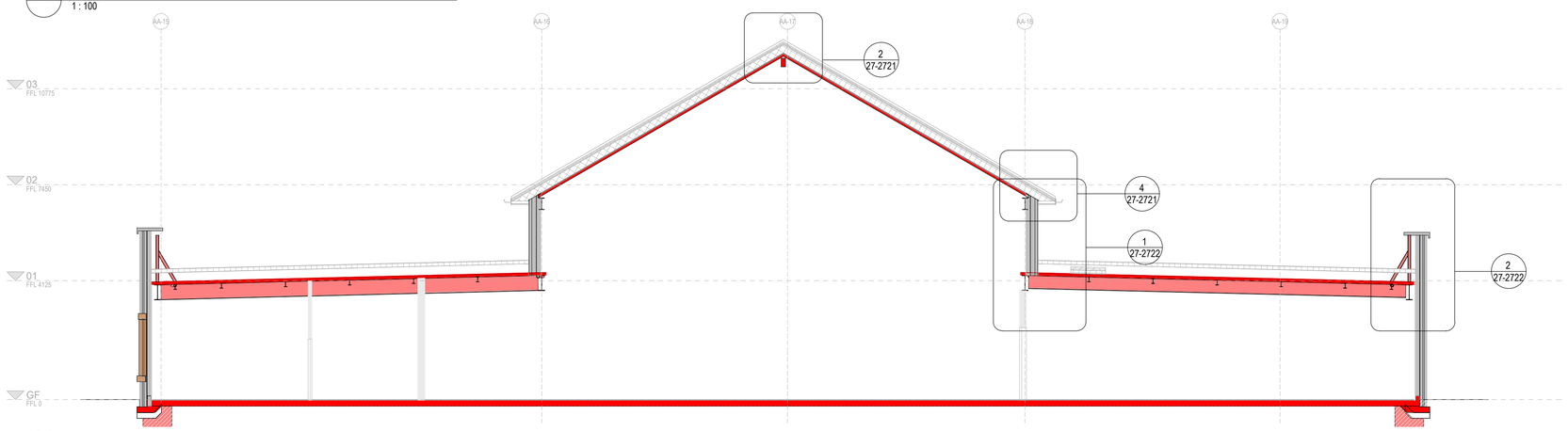

5 GA Roof Section - Entrance and Lobby - Section 4
1 : 100

Keyplan

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Current Revision Description (Post Final Stage 4 Submission)

No.	Revision	Date	Initial	Chk'd
P02	RIBA STAGE 4 ISSUE	23.09.22	SL	AJ
P01	T04.1 PACKAGE RELEASE	29.07.22	DB	AJ

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

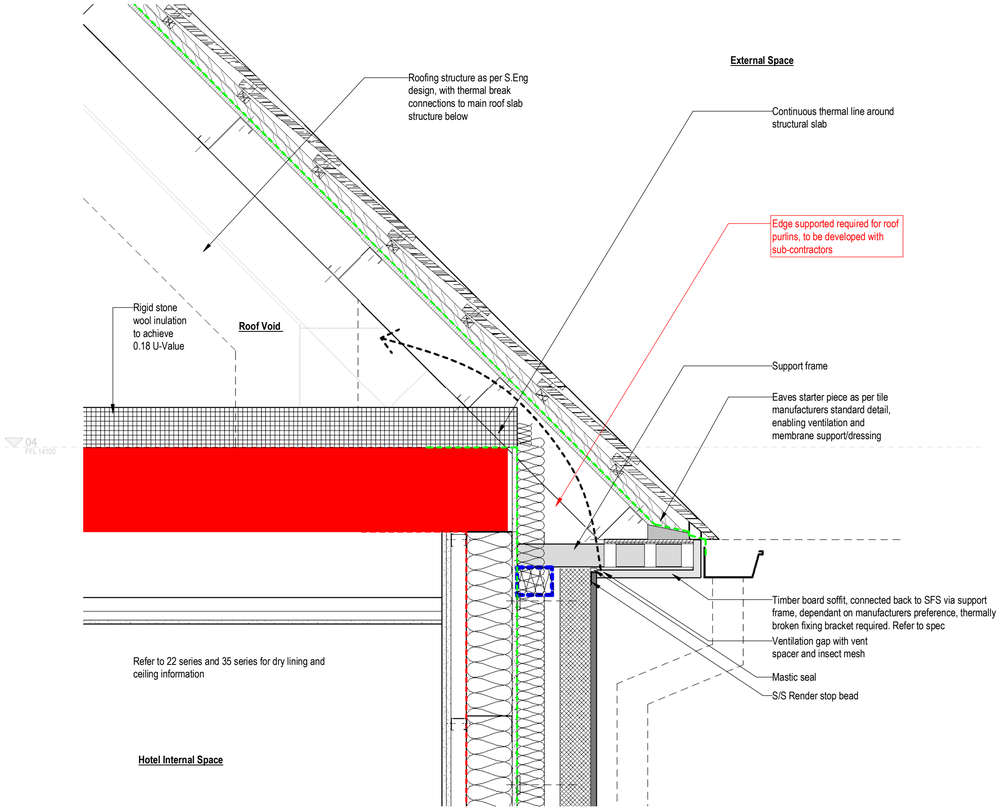
Hotel Lobby Roof - Interfaces Scope Plan

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

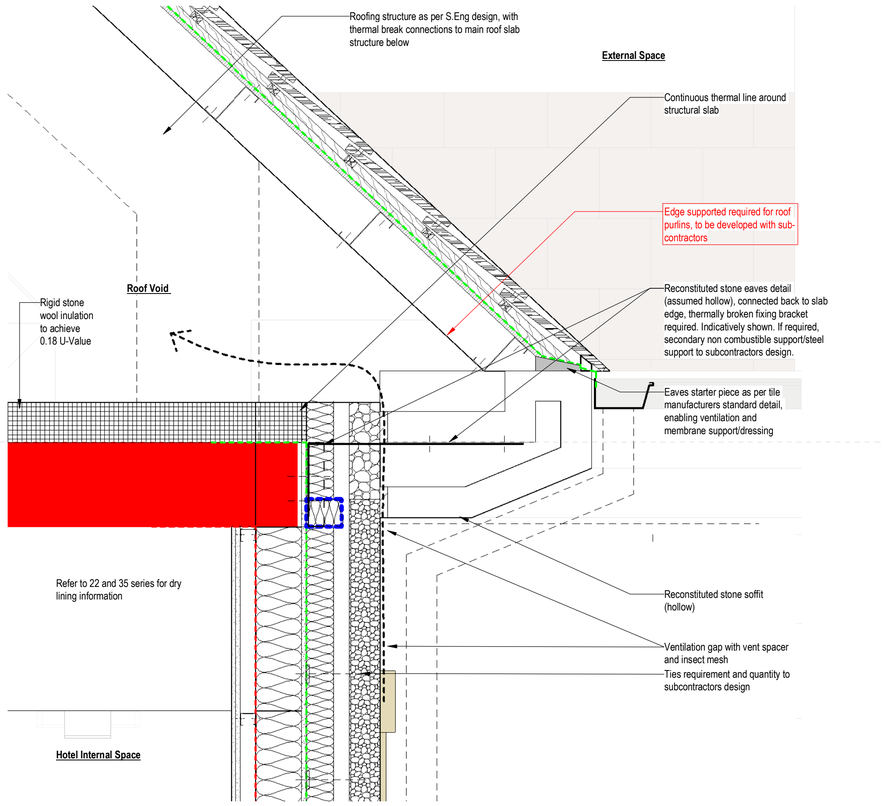
Project Code	Originator	Zone	Level	Type	Role	Class.	Number
10875	EPR	AA	RF	DR	A	27	2520

10875-EPR-00-ZZ-A3-A-Master.rvt
22/05/2023 15:02:42

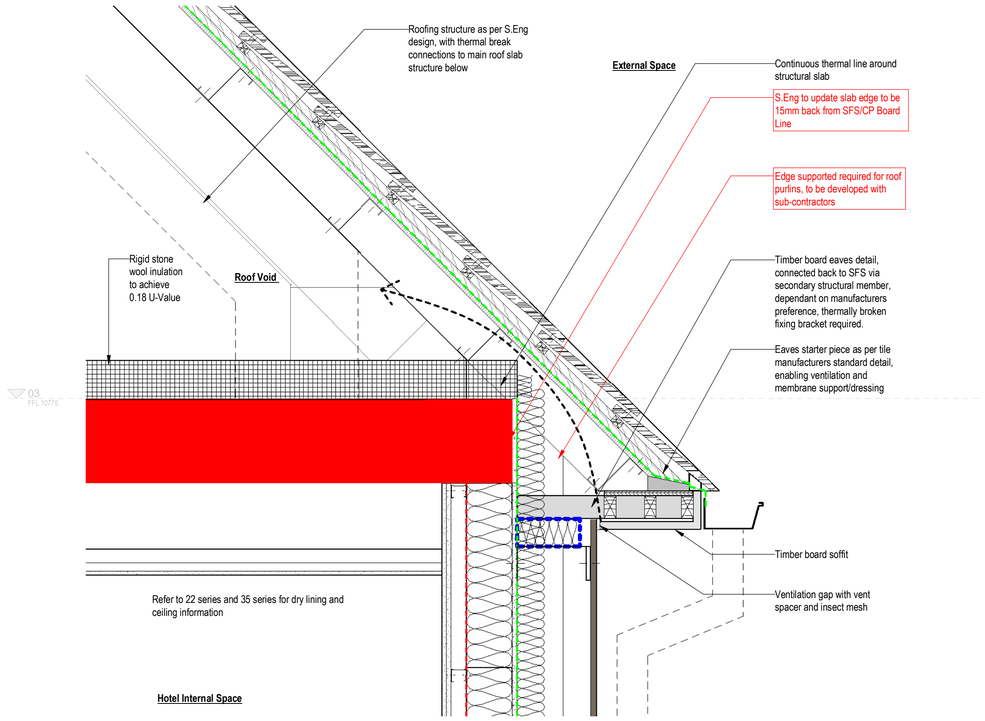
2.3 Roof Interface Details



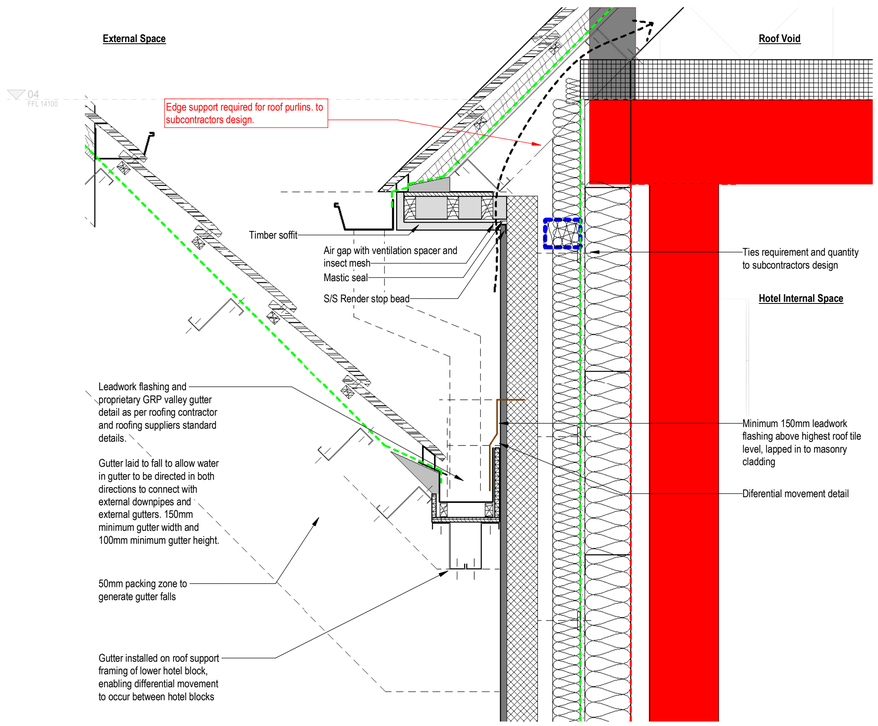
1 / 27-2500 27 Typical Detail - Render Cladding + Timber Eaves Board
1 : 10



2 / 27-2500 27 Typical Detail - Stone Cladding + Stone Eaves
1 : 10



3 / 27-2500 27 Typical Detail - Timber Cladding + Timber Eaves Board
1 : 10



4 / 27-2500 27 Typical Detail - Low-High Roof Section - Render Cladding + Timber Eaves Board
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, with cut to falls 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 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 sedum topping

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, uninsulated, dark red tile finish

Roof Type: A-EPR-RF-Roof Type 3
Roof Type Details
Pitched roof, uninsulated, 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, Corrugated Metal Finish - Green

Insulation
PIR Tapered Insulation
Stone Wool Insulation (to slab under hotel monopitch/screen roof)

Tanking/DPM Line — Exact Specification is TBC
Tanking Protective Layer — Exact Specification is TBC
EPDM
Vapour Qrez Control Layer
Breather Membrane/Weather Line
Cavity Barriers — Cavity barrier locations are indicated diagrammatically and are drawn for pricing purposes only. The final location and design of cavity barriers are subject to the facade designer in coordination with the project's fire engineer and building control as part of completing the CDP works.
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 roof (t4) 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 TBC
- Refer to drawing 10875-EPR-ZZ-ZZ-DR-A-21-1610 for Materials Palette
- Fire strategy to hotel roof void to MEP engineers design with route to compliance as agreed with BCO.

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

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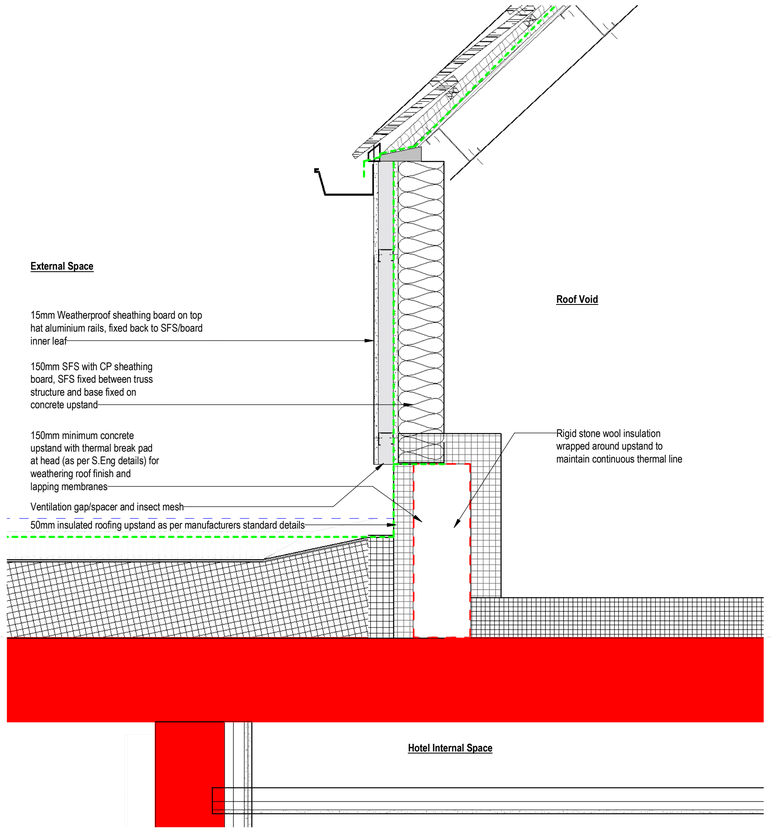
Proposed Great Wolf Lodge - Chesterton, Bicester, Oxfordshire
EPR Project No 10875

Hotel Main Roof - Interface Details - Eaves

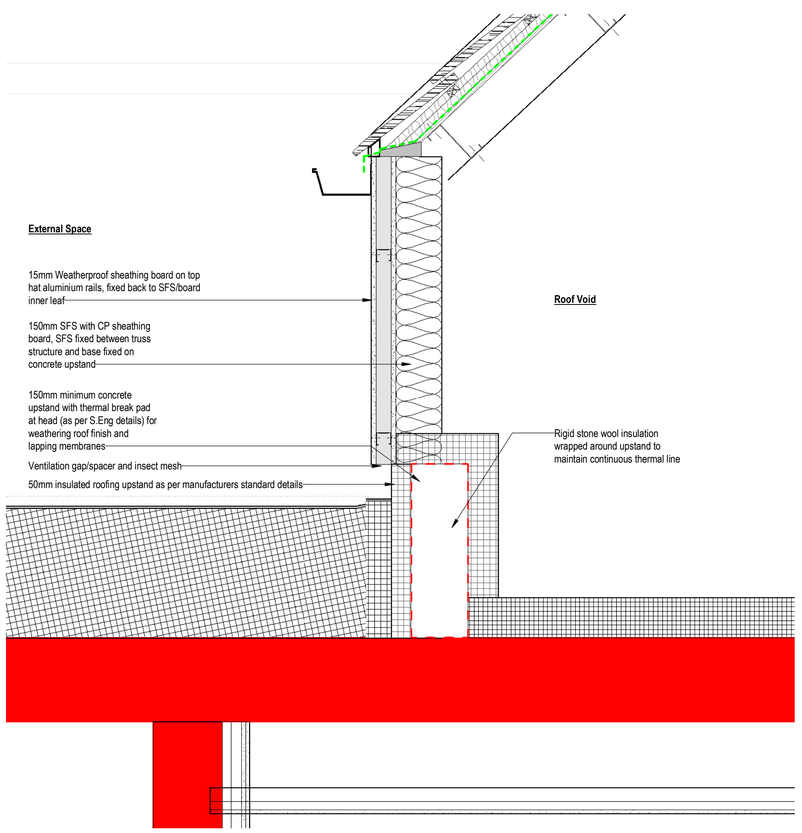
Scale @A1	Purpose of Issue	Status code	Revision
As indicated	For Information	S2	P05

Project Code	Originator	Zone	Level	Type	Role	Class.	Number
10875	EPR	AA	RF	DR	A	27	2700

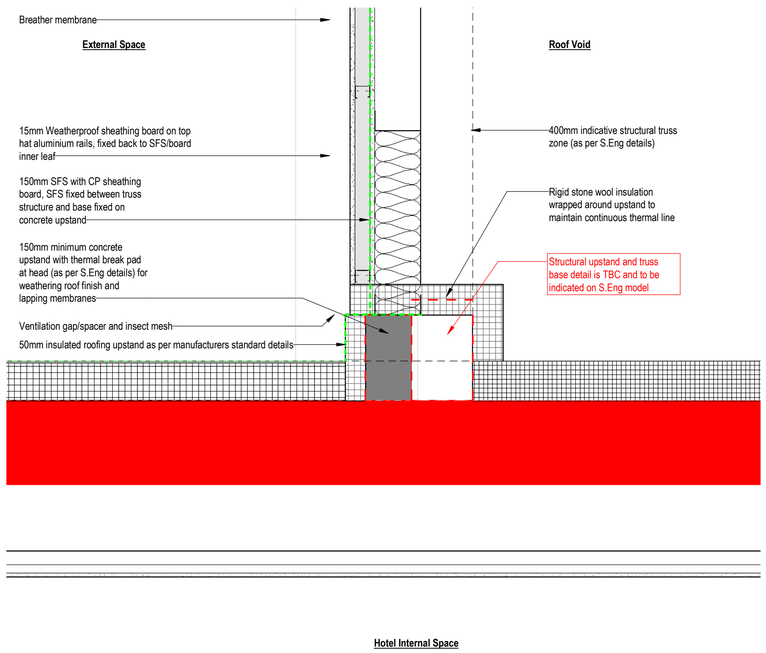
10875-EPR-00-ZZ-M3-A-Master.rvt
22/05/2023 15:02:32



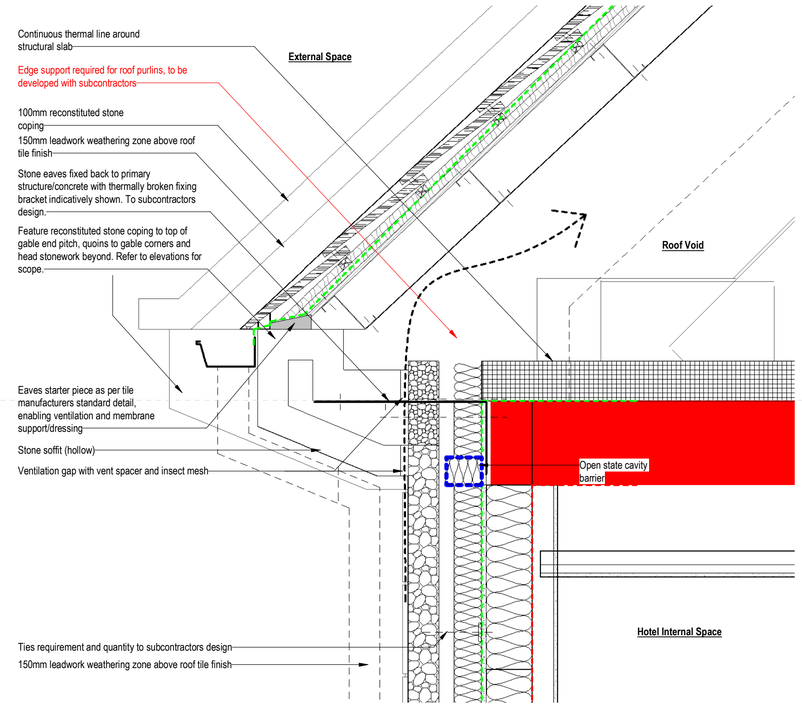
1 27-2500 27 Typical Detail - Pitched Roof to Roof Wall + Main Roof Base Detail
1 : 10



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



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



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

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 falls 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 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 sedum topping

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, uninsulated, dark red tile finish

Roof Type: A-EPR-RF-Roof Type 3
Roof Type Details
Pitched roof, uninsulated, 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, Corrugated Metal Finish - Green

Insulation
PIR Tapered Insulation
Stone Wool Insulation (to slab under hotel monopitch/screen roof)

Tanking/DPM Line
Exact Specification is TBC

Tanking Protective Layer
Exact Specification is TBC

EPDM

Vapour Control Layer

Breather Membrane/Weather Line

Cavity Barriers
Cavity barrier locations are indicated diagrammatically and are drawn for pricing purposes only. The final location and design of cavity barriers are subject to the façade designer in coordination with the project's fire engineer and building control as part of completing the CDP works.

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 roof (t4) 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 TBC
- Refer to drawing 10875-EPR-ZZ-ZZ-DR-A-21-1610 for Materials Palette
- Fire strategy to hotel roof void to MEP engineers design with route to compliance as agreed with BCO.

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	Updates to detail and notes added	12.08.22	SL	AJ
P01	T04.1 PACKAGE RELEASE	29.07.22	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	Role	Class.	Number
10875	EPR	AA	RF	DR	A	27	2701

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