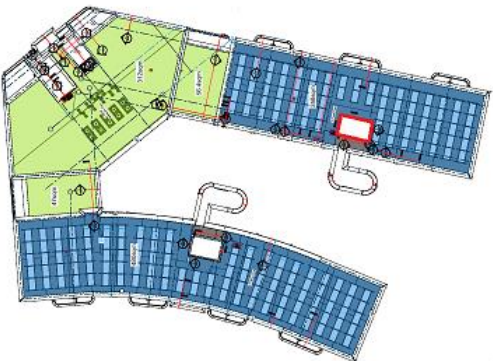
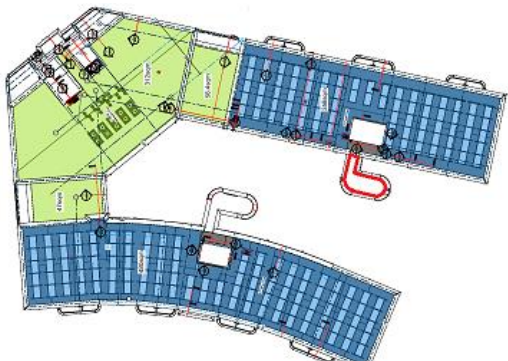


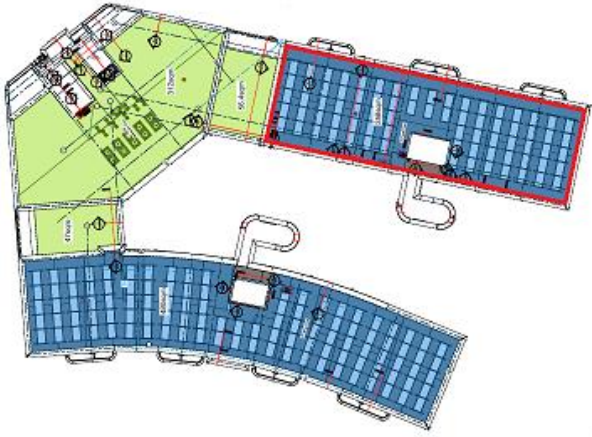
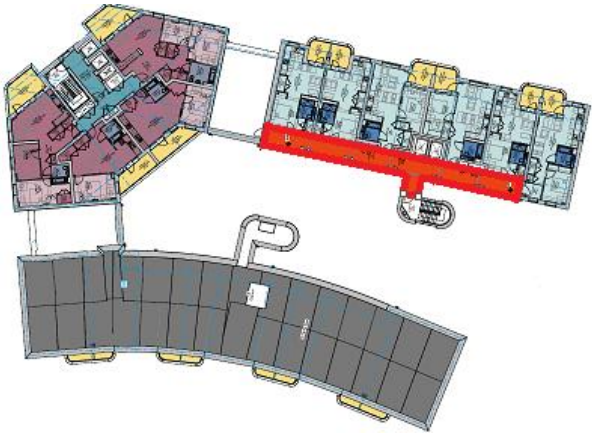
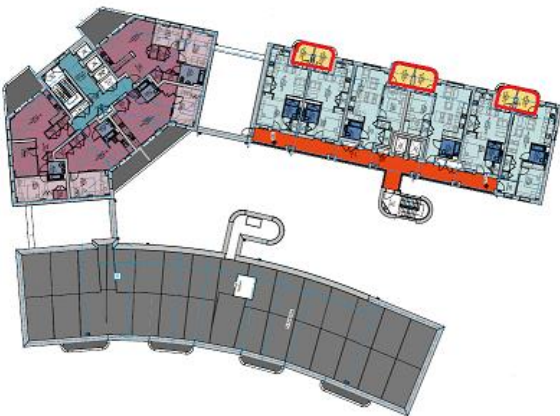
Top-Down Specification Summary – Construction Issue

A fe Project Name:	Belmont Street	Total Area: 2817m² (+ Podium) Blue Roof Area: 838m ² Cold Applied Liquid: 1446m2 Notes: T: Threshold Measurement P: Parapet Measurement I: Items in italics supplied by others
Project Address:	Crogsland Road Camden London NW1 8HF	
Project Reference:	6853	
Revision:	10 – Construction Issue	
Date:	29.06.2023	
Main Contractor:	Countryside Partnerships	
Specification Produced By:	Michael Fadian	

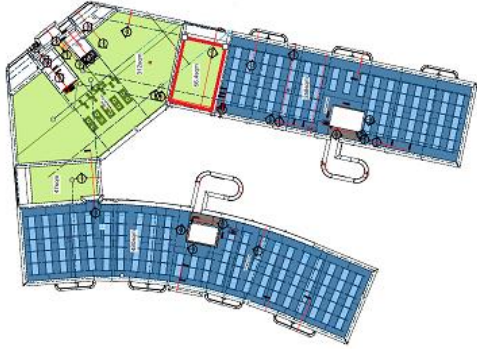
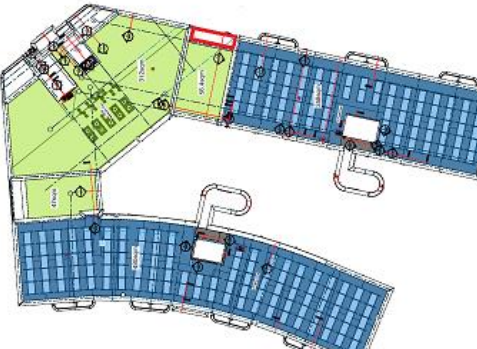
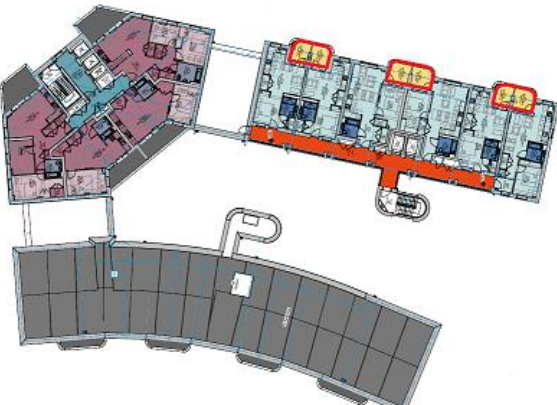
Block A

Identification	Location	Roof Type	Substrate	Radmat Specification	Notes
Level 07 Roof Lift Over Run (1 Number) T: N/A P: N/A Target U-value: 0.10w/m ² k Total Roof Area: 14m ² Fire Rating Requirement: BROOF(T4)	 Image Rotated	RT1	200mm RC Slab, zero falls	EshaPrimer EshaBase ALU ProTherm PIR Torch TAPERED 1:60* Esha 370 Plain Esha 370 FireSafe	*Subject to design, but max height nominally 260mm
Level 07 External Stair T: N/A (Access Hatch) P: 720mm Target U-value: 0.25w/m ² k* Total Roof Area: 17m ² Fire Rating Requirement: BROOF(T4)	 Image Rotated	TBC	RC Slab, cast to falls	EshaPrimer PermaQuik PQ6100 Hot melt system Standard Protection Sheet 115mm ProTherm G XPS X 300 SL Insulation <i>ProTherm XPS X MK Water flow reducing layer</i> <i>50mm min. depth of 20/40mm rounded ballast/pavers on pedestals</i>	*U value Assumed Radmat specification is based on achieving 0.25w/m2k

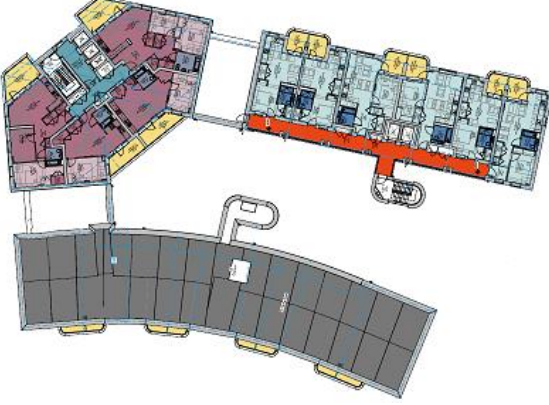
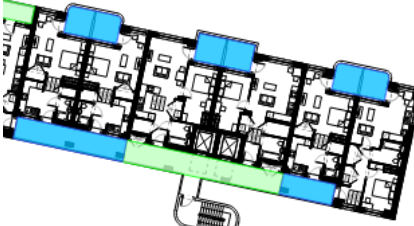
Top-Down Specification Summary – Construction Issue

Identification	Location	Roof Type	Substrate	Radmat Specification	Notes
Level 7 (Roof) Blue/Green Roof T: N/A P: 750mm Target U-value: 0.10w/m²k Total Roof Area: 358m² Fire Rating Requirement: BROOF(T4)	 Image Rotated	RT2	RC Slab	EshaPrimer PermaQuik PQ6100 Hot melt system Texsa Protection Sheet (all laps torched) 295mm (1x195, 1x100mm) ProTherm G XPS X 300 SL Insulation ProTherm XPS X MK Water flow reducing layer SWG100 Attenuation Geocell, fully encapsulated in G12 Fleece MedO D25 Drainage & Reservoir Board MedO G11 Filter Fleece 80-150mm, 115mm Avg. MedO GM30 Wildflower Substrate MedO S1 Seed Mix	Radmat Blue Roof Calculation PR6852-BR-01
Access Terrace Levels 6, 5, 4, 3, 2 T: TBC P: TBC Target U-value: N/A Total Roof Area: 290m² (58m² per level) Fire Rating Requirement: BROOF(T4)/Non Combustible Insulation	 Image Rotated	RT6	RC Slab, 1:40 design falls	ReadySeal Primer w/ kiln-dried sand ReadySeal COLD ROOF System <i>Finishes to be confirmed – Assumed pavers/tile on Pedestals</i>	Assumed Thermally Broken, not over heated space Classified as a specified attachment, any insulation included to mitigate cold bridging would have to be non combustible
Balconies Level 6, 5, 4, 3, 2 (6 per level) T: TBC P: TBC Target U-value: N/A Total Roof Area: 180m² (36m² per Level) Fire Rating Requirement: BROOF(T4)/Non Combustible Insulation	 Image Rotated	RT4	RC Slab, 1:40 design falls	ReadySeal Primer w/ kiln-dried sand ReadySeal COLD ROOF System <i>Finishes to be confirmed – Assumed pavers/tile on Pedestals</i>	Assumed Thermally Broken, not over heated space Classified as a specified attachment, any insulation included to mitigate cold bridging would have to be non combustible

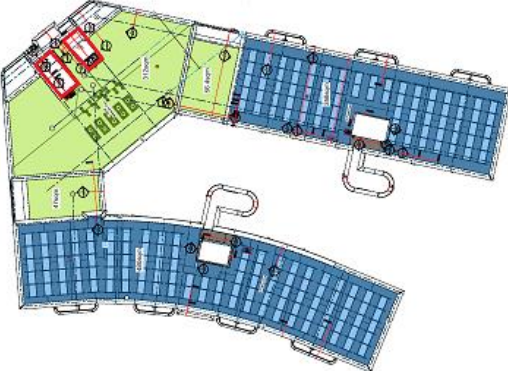
Top-Down Specification Summary – Construction Issue

Identification	Location	Roof Type	Substrate	Radmat Specification	Notes
Level 5 A+B Link Roof (1 Number) T: N/A P: 470mm Target U-value: 0.10w/m2k Total Roof Area: 71m ² Fire Rating Requirement: BROOF(T4)	 Image Rotated	RT3	RC Slab, 1:40 design falls	Esha Primer PermaQuik PQ6100 Hot melt system Standard Protection Sheet 295mm (1x195, 1x100mm) ProTherm G XPS X 300 SL Insulation ProTherm XPS X MK Water flow reducing layer 50mm (Min.) 20/40mm Ballast	Option for cold applied liquid due to size
(A+B Link) Private Terrace Level 4, 3, 2, 1 T: 115mm P: 75mm Target U-value: N/A Total Roof Area: 40m ² (10m ² per level) Fire Rating Requirement: BROOF(T4)	 Image Rotated	RT6	RC Slab, 1:40 falls	ReadySeal Primer w/ kiln-dried sand ReadySeal COLD ROOF System <i>Finishes to be confirmed – Assumed pavers/tiles on Pedestals</i>	Refer to drawing LD504-ECE-ZZ-Z-DR-A-2115 Detail 1 Thermally Broken, not over heated space
Level 1 Balconies (6 Number) T: TBC P: TBC Target U-value: 0.12w/m ² k Total Roof Area: 37m ² Fire Rating Requirement: BROOF(T4)/Non Combustible Insulation	 Image Rotated	RT5	RC Slab, 1:40 design falls	ReadySeal Primer w/ kiln-dried sand ReadySeal WARM ROOF System 200mm FOAMGLAS INVATHERM ProTherm XPS X MK Water flow reducing layer <i>Finishes to be confirmed – Assumed pavers/tile on Pedestals</i> **Supplemented beneath Slab with 90mm FOAMGLAS T3+ Slab adhered in PC56 Adhesive	Area over heated space: Non-Thermally Broken Projecting element: Thermally broken away from slab - no insulation required U Value to area over heated space confirmed by ECE: 0.12w/m2k U Value and build up developed between ECE and FOAMGLAS – No Radmat involvement

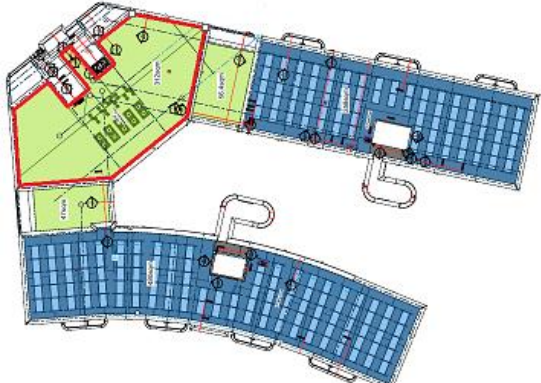
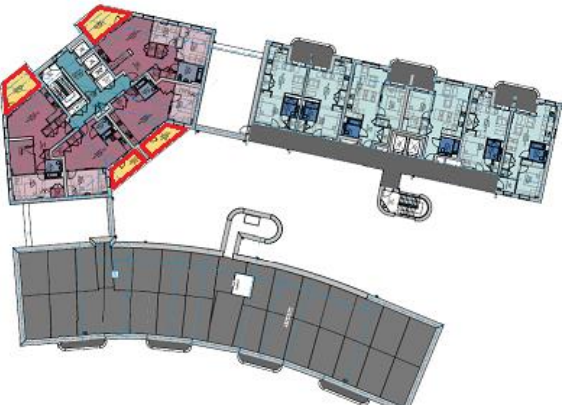
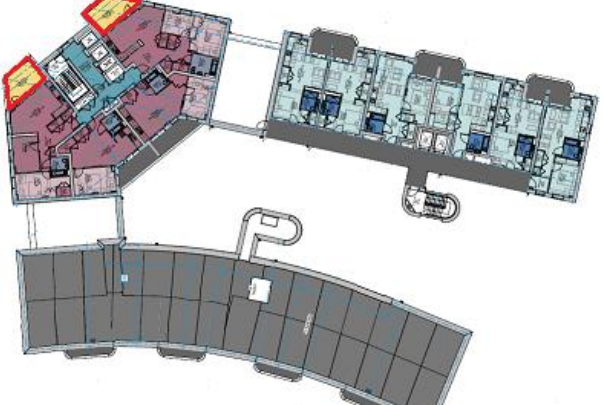
Top-Down Specification Summary – Construction Issue

Identification	Location	Roof Type	Substrate	Radmat Specification	Notes
Level 1 Access Walkways T: TBC P: TBC Target U-value: 0.12w/m²k Total Roof Area: 58m² Fire Rating Requirement: BROOF(T4)/Non Combustible Insulation	 Image Rotated	RT5	RC Slab, 1:40 design falls	ReadySeal Primer w/ kiln-dried sand ReadySeal WARM ROOF System 200mm FOAMGLAS INVATHERM ProTherm XPS X MK Water flow reducing layer <i>Finishes to be confirmed – Assumed pavers/tile on Pedestals</i> <i>**Supplemented beneath Slab with 90mm FOAMGLAS T3+ Slab adhered in PC56 Adhesive</i>	Partially over heated space: Blue sections shown below are over heated space, green over unheated:  U Value confirmed by ECE: 0.12w/m²k U Value and build up developed between ECE and FOAMGLAS – No Radmat involvement
Total Roof Area for Block: 1,065m²					


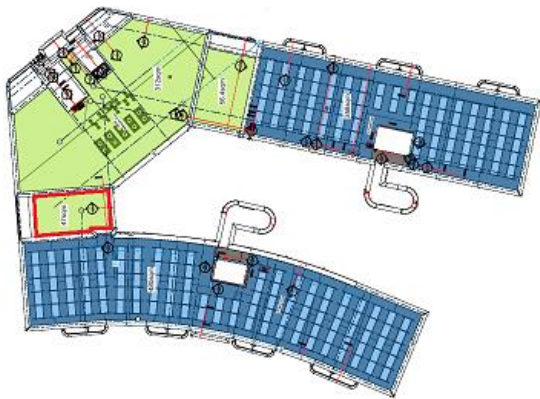
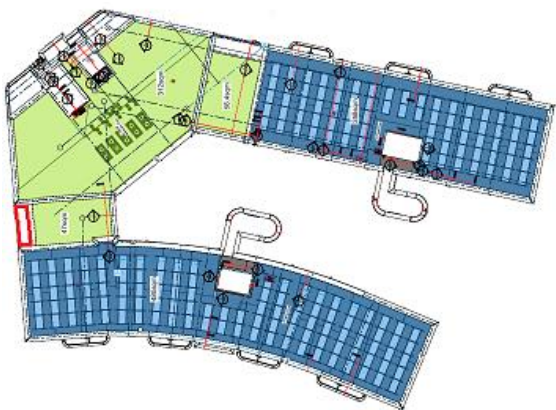
Block B

Identification	Location	Roof Type	Substrate	Radmat Specification	Notes
Level 10 Lift/Stair Over run (2 Number) T: N/A P: N/A Target U-value: 0.10w/m²k Total Roof Area: 30m² Fire Rating Requirement: BROOF(T4)	 Image Rotated	RT1	RC Slab, zero falls	EshaPrimer EshaBase ALU ProTherm PIR Torch TAPERED 1:60* Esha 370 Plain Esha 370 FireSafe	*Subject to design, but max height nominally 260mm


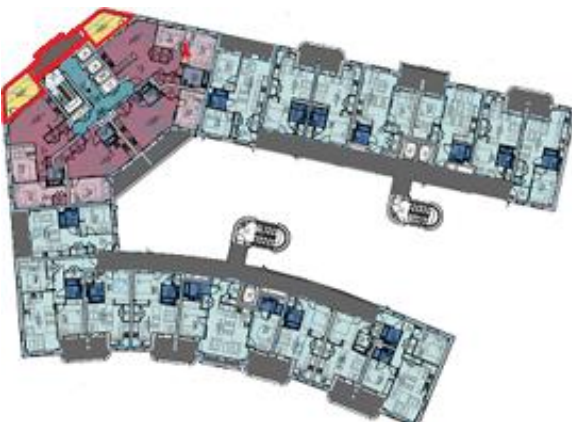
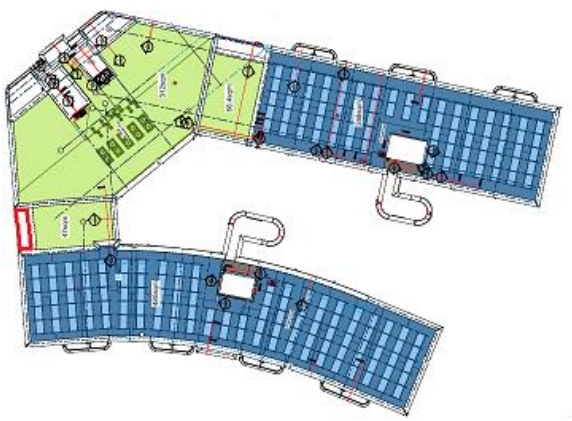
Top-Down Specification Summary – Construction Issue

Identification	Location	Roof Type	Substrate	Radmat Specification	Notes
Level 10 Roof T: TBC P: 2330mm Target U-value: 0.10w/m²k Total Roof Area: 312m² Fire Rating Requirement: BROOF(T4)	 Image Rotated	RT3	RC Slab, 1:40 design falls	EshaPrimer PermaQuik PQ6100 Hot melt system Standard Protection Sheet 295mm (1x195, 1x100mm) ProTherm G XPS X 300 SL Insulation ProTherm XPS X MK Water flow reducing layer <i>Finishes to be confirmed – Assumed Pavers on Pedestals/50mm depth 20/40mm Ballast</i>	Refer to Drawing: LD504-ECE-ZZ-ZZ-DR-A-2712 Detail 3 ASHP/Plant Zone Insulation depth amended to suit availability, refer to Radmat Blue Note 043 Falls indicated on mark up of ECE Architects drawing LD504-ECE-ZZ-RF-SK-A-SK01
Balconies to levels 9, 8, 7, 6, 5 (4 number to each level) T: TBC P: TBC Target U-value: N/A Total Roof Area: 185m² (37 m² per level) Fire Rating Requirement: BROOF(T4)	 Image Rotated	RT6	RC Slab, 1:40 design falls	ReadySeal Primer w/ kiln-dried sand ReadySeal COLD ROOF System <i>Finishes to be confirmed – Assumed pavers/tile on Pedestals</i>	Assumed Thermally Broken, not over heated space Classified as a specified attachment, any insulation included to mitigate cold bridging would have to be non combustible
Balconies Level 4, 3, 2 (2 per level) T: TBC P: TBC Target U-value: N/A Total Roof Area: 114m² Fire Rating Requirement: BROOF(T4)	 Image Rotated	RT6	RC Slab, 1:40 design falls	ReadySeal Primer w/ kiln-dried sand ReadySeal COLD ROOF System <i>Finishes to be confirmed – Assumed pavers/tile on Pedestals</i>	Assumed Thermally Broken, not over heated space Classified as a specified attachment, any insulation included to mitigate cold bridging would have to be non combustible

Top-Down Specification Summary – Construction Issue

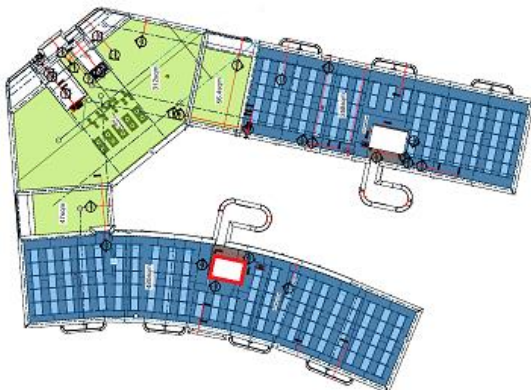
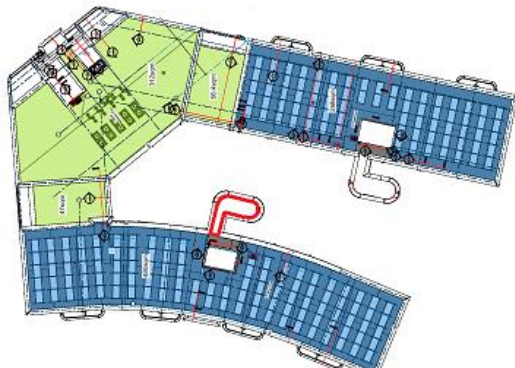
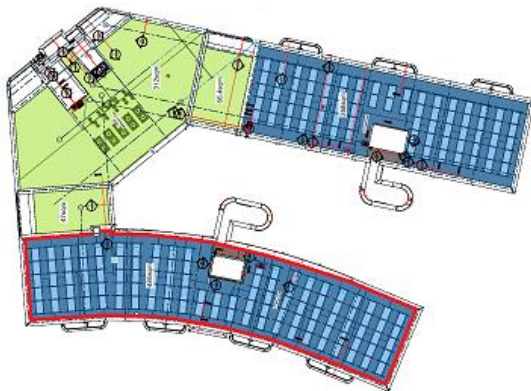
Identification	Location	Roof Type	Substrate	Radmat Specification	Notes
Balconies Levels 4, 3, 2 (2 per level) T: TBC P: TBC Target U-value: N/A Total Roof Area: 33m ² Fire Rating Requirement: BROOF(T4)	 Image Rotated	RT6	RC Slab, 1:40 design falls	ReadySeal Primer w/ kiln-dried sand ReadySeal COLD ROOF System <i>Finishes to be confirmed – Assumed pavers/tile on Pedestals</i>	Assumed Thermally Broken, not over heated space Classified as a specified attachment, any insulation included to mitigate cold bridging would have to be non combustible
Level 4 Block B/C Link Roof (1 Number) T: N/A P: 470mm Target U-value: 0.10w/m2k Total roof Area: 47m ² Fire Rating Requirement: BROOF(T4)	 Image Rotated	RT3	RC Slab, 1:40 design falls	EshaPrimer PermaQuik PQ6100 Hot melt system Standard Protection Sheet 295mm (1x195, 1x100mm) ProTherm G XPS X 300 SL Insulation ProTherm XPS X MK Water flow reducing layer 50mm (Min.) 20/40mm Ballast	
Private Terrace (B/C Link) Levels 3, 2 T: 115mm P: 75mm Target U-value: N/A Total Roof Area: 18m ² Fire Rating Requirement: BROOF(T4)	 Image Rotated	RT6	RC Slab, 1:40 design falls	ReadySeal Primer w/ kiln-dried sand ReadySeal COLD ROOF System <i>Finishes to be confirmed – Assumed pavers/tile on Pedestals</i>	Thermally Broken, not above heated space

Top-Down Specification Summary – Construction Issue

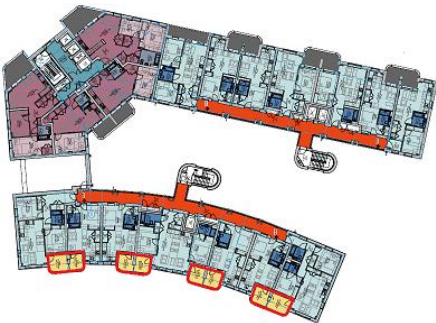
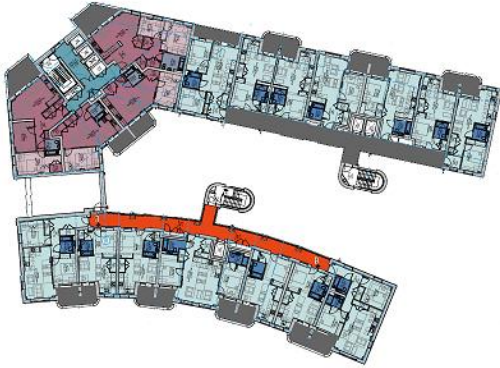
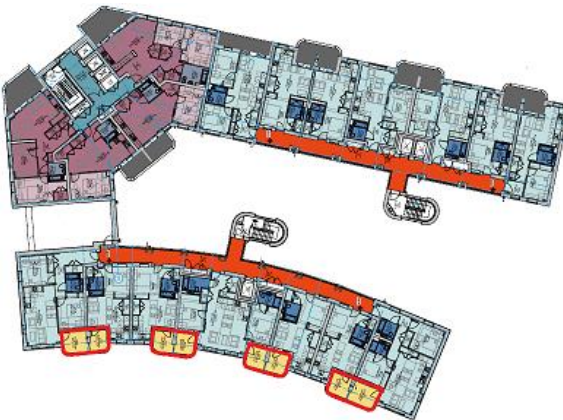
Identification	Location	Roof Type	Substrate	Radmat Specification	Notes
Level 1 Balconies (2 number) T: TBC P: TBC Target U-value: N/A Total Roof Area: 20m ² Fire Rating Requirement: BROOF(T4)	 Image Rotated	RT3	RC Slab, 1:40 design falls	ReadySeal Primer w/ kiln-dried sand ReadySeal COLD ROOF System <i>Finishes to be confirmed – Assumed pavers/tile on Pedestals</i>	Assumed Thermally Broken, not over heated space - TBC Classified as a specified attachment, any insulation included to mitigate cold bridging would have to be non combustible
Level 1 Private Terrace (3 Number) T: TBC P: TBC Target U-value: 0.12w/m ² k Total Roof Area: 30m ² Fire Rating Requirement: BROOF(T4)	 Image Rotated	RT3	RC Slab, 1:40 design falls	ReadySeal Primer w/ kiln-dried sand ReadySeal WARM ROOF System 160mm FOAMGLAS INVATHERM* ProTherm XPS X MK Water flow reducing layer <i>Finishes to be confirmed –Non combustible decking on Pedestals</i> **Supplemented beneath Slab with 150mm FOAMGLAS T3+ Slab adhered in PC56 Adhesive	Non-Thermally Broken, over heated space -confirmed by ECE Architecture 16/12/2022 U Value and build up developed between ECE and FOAMGLAS – No Radmat involvement Plant Room, Corridor, cycle store beneath, potential to decrease thermal performance
Level 1 Private Terrace (B/C Link) (1 Number) T: TBC P: TBC Target U-value: N/A Total Roof Area: 9m ²	 Image Rotated	RT3	RC Slab, 1:40 design falls	ReadySeal Primer w/ kiln-dried sand ReadySeal COLD ROOF System <i>Finishes to be confirmed –Non combustible decking on Pedestals</i>	Non-Thermally Broken, Roof over unheated space – Confirmed by ECE Architecture 16/12/2022 No Insulation above the structural slab confirmed by ECE Architecture 16/12/2022 – soffit insulation only. Strategy not developed by Radmat – condensation risk to be considered.
Total Roof Area for Block: 780m²					

Top-Down Specification Summary – Construction Issue

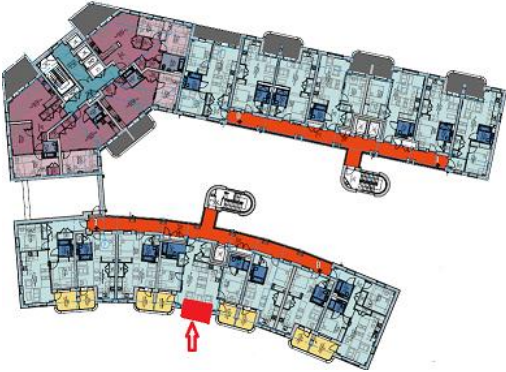
Block C

Identification	Location	Roof Type	Substrate	Radmat Specification	Notes
Level 5 Lift Over run T: N/A P: N/A Target U-value: 0.10w/m ² k Total Roof Area: 13m ² Fire Rating Requirement: BROOF(T4)	 Image Rotated	RT1	RC Slab, zero falls	EshaPrimer EshaBase ALU ProTherm PIR Torch TAPERED 1:60* Esha 370 Plain Esha 370 FireSafe	*Subject to design, but max height nominally 260mm
Level 5 External Stair T: N/A (Access Hatch) P: 720mm Target U-value: 0.25w/m ² k* Total Roof Area: 17m ² Fire Rating Requirement: BROOF(T4)	 Image Rotated	TBC	RC Slab, cast to falls	EshaPrimer PermaQuik PQ6100 Hot melt system Standard Protection Sheet 115mm ProTherm G XPS X 300 SL Insulation <i>ProTherm XPS X MK Water flow reducing layer</i> <i>50mm min. depth of 20/40mm rounded ballast/pavers on pedestals</i>	*U value Assumed
Level 5 (Roof) Blue/Green Roof T: N/A P: 750mm Target U-value: 0.10w/m ² k Total Roof Area: 480m ² Fire Rating Requirement: BROOF(T4)	 Image Rotated	RT2	RC Slab*	EshaPrimer PermaQuik PQ6100 Hot melt system Texsa Protection Sheet (all laps torched) 295mm (1x195, 1x100mm) ProTherm G XPS X 300 SL Insulation ProTherm XPS X MK Water flow reducing layer SWG100 Attenuation Geocell, fully encapsulated in G12 Fleece MedO D25 Drainage & Reservoir Board MedO G11 Filter Fleece 80-150mm, 115mm Avg. MedO GM30 Wildflower Substrate MedO S1 Seed Mix	Radmat Blue Roof Calculation PR6852-BR-01 * Falls indicated on mark up of ECE Architects drawing LD504-ECE-ZZ-RF-SK-A-SK01 Assumed to Match Block A Roof


Top-Down Specification Summary – Construction Issue

Identification	Location	Roof Type	Substrate	Radmat Specification	Notes
Balconies Level 4, 3, 2 (8 number) T: TBC P: TBC Target U-value: N/A Total Roof Area: 150m ² Fire Rating Requirement: BROOF(T4)/Non Combustible	 Image Rotated	RT4	RC Slab, 1:40 design falls	ReadySeal Primer with kiln-dried sand ReadySeal COLD ROOF System <i>Finishes to be confirmed – Assumed pavers/tile on Pedestals</i>	Assumed Thermally Broken, not over heated space Classified as a specified attachment, any insulation included to mitigate cold bridging would have to be non combustible
Access Terraces Levels 4, 3, 2, 1 (4 Number) T: TBC P: TBC Target U-value: N/A Total Roof Area: 244m ² (61m ² per floor) Fire Rating Requirement: BROOF(T4)	 Image Rotated	RT6	RC Slab, 1:40 design falls	ReadySeal Primer with kiln-dried sand ReadySeal COLD ROOF System <i>Finishes to be confirmed – Assumed pavers/tile on Pedestals</i>	Thermally Broken, not over heated space
Level 1 Balconies (8 number) T: TBC P: TBC Target U-value: 0.12w/m ² k Total Roof Area: 50m ² Fire Rating Requirement: BROOF(T4)/Non Combustible Insulation	 Image Rotated	RT5	RC Slab, 1:40 design falls	ReadySeal Primer with kiln-dried sand ReadySeal WARM ROOF System 200mm FOAMGLAS INVATHERM ProTherm XPS X MK Water flow reducing layer <i>Finishes to be confirmed – Assumed pavers/tile on Pedestals</i> **Supplemented beneath Slab with 90mm FOAMGLAS T3+ Slab adhered in PC56 Adhesive	Refer to ECE Architecture Drawing LD504-ECE-ZZ-ZZ-DR-A-2112 Detail 3 Area over heated space: Non-Thermally Broken Projecting element: Thermally broken away from slab - no insulation required U Value to area over heated space confirmed by ECE: 0.12w/m²k U Value and build up developed between ECE and FOAMGLAS – No Radmat involvement

Top-Down Specification Summary – Construction Issue

Identification	Location	Roof Type	Substrate	Radmat Specification	Notes
Level 1 Canopy over entrance T: N/A P: 950mm Target U-value: N/A Total Roof Area: TBC Fire Rating Requirement: BROOF(T4)	 Image Rotated	TBC	RC Slab, 1:40 falls	ReadySeal Primer w/ kiln-dried sand ReadySeal COLD ROOF System <i>No finishes Assumed</i>	
Total Roof Area for Block: 954m²					

Podium

Identification	Location	Roof Type	Substrate	Radmat Specification	Notes
Podium T: TBC P: TBC Target U-value: TBC Total Roof Area: TBC Fire Rating Requirement: BROOF(T4)		TBC	RC Concrete, zero falls	No details provided, but assumed to be: EshaPrimer PermaQuik PQ6100 Hot melt system Texsa Protection Sheet (All laps torched) Insulation -TBC ProTherm XPS X MK Water flow reducing layer <i>Finishes LA Specification</i>	No Information provided- extent and scope TBC