

## Liquid Applied Waterproofing

**RF-01**

RC Frame		
A0	A1	A2
B1	B2	B3
C1	C2	D3
D1	D2	D3
E1.1	E1.2	E2
F1	F2	F3

**RF-01**  
Inverted Warm Roof **zero to 1:80** falls - RC Slab.

**Waterproofing System:**  
Cold applied Structural Waterproofing System,

**Insulation:**  
XPS Insulation to meet **0.10W/m²K**,

**Finishes:**  
Gravel Ballast on separation/ water flow reducing layer,

**Fire Performance:**  
Fire spread limited by inorganic roof covering.

**NBS J31**

**RF-02**

RC Frame		
A0	A1	A2
B1	B2	B3
C1	C2	D3
D1	D2	D3
E1.1	E1.2	E2
F1	F2	F3

**RF-02**  
Inverted Warm Roof Terrace - **zero to 1:80** falls (zero falls on A0 Podium justified with Roof Deflection Diagram) - RC Slab.

**Waterproofing System:**  
Cold applied Structural Waterproofing System,

**Insulation:**  
XPS Insulation to meet **0.20W/m²K**,

**Finishes:**  
50mm Concrete paving on non combustible supports on separation/ water flow reducing layer,

**Fire Performance:**  
Fire spread limited by 50mm concrete paving with 6mm gaps.

**NBS J31**

**RF-03**

RC Frame		
A0	A1	A2
B1	B2	B3
C1	C2	D3
D1	D2	D3
E1.1	E1.2	E2
F1	F2	F3

**RF-03**  
Inverted Warm Green Roof - **zero** falls A0 Podium Justified with Roof Deflection Diagram - RC Slab.

**Waterproofing System:**  
Cold applied Structural Waterproofing System,

**Insulation:**  
XPS Insulation to meet **0.20W/m²K**,

**Finishes:**  
Green Roof System (Wildflower Mix), consist of weed mat, drainage board, filter sheet, 100mm soil/ growing medium & wildflower mix plug planting on separation/ water flow reducing layer,

**Fire Performance:**  
In accordance with GRO guide.

**NBS J31 & Q37**

**RF-04**

RC Frame		
A0	A1	A2
B1	B2	B3
C1	C2	D3
D1	D2	D3
E1.1	E1.2	E2
F1	F2	F3

**RF-04**  
Cold Roof zero to **1:80** falls - RC Slab.

**Insulation:**  
Non Insulated, thermally broken,

**Waterproofing System:**  
Cold applied Structural Waterproofing System,

**Finishes:**  
Gravel Ballast,

**Fire Performance:**  
Fire spread limited by inorganic roof covering.

**NBS J31**

## Liquid Applied Waterproofing

**RF-05**

Joist Roof		
A0	A1	A2
B1	B2	B3
C1	C2	D3
D1	D2	D3
E1.1	E1.2	E2
F1	F2	F3

**RF-05**  
Inverted Warm Roof - Timber joist, Timber furring's to form **1:60** Falls, Plywood deck,

**Waterproofing System:**  
Cold applied Waterproofing membrane,

**Insulation:**  
XPS Insulation to meet **0.10W/m²K**,

**Finishes:**  
Gravel Ballast or Paving on non-combustible adjustable supports.

**Fire Performance:**  
Fire spread limited by inorganic roof covering or by 50mm concrete paving with 6mm gaps.

**NBS J31**

**RF-06**

Joist Roof		
A0	A1	A2
B1	B2	B3
C1	C2	D3
D1	D2	D3
E1.1	E1.2	E2
F1	F2	F3

**RF-06**  
Warm Roof & Roof Terrace - Steel or Timber joist with plywood deck or screed on Precast Concrete Floor to **1:60** Falls.

**Insulation:**  
Foamglas Insulation to meet **0.20W/m²K**,

**Waterproofing System:**  
Cold applied Waterproofing membrane on insulation,

**Finishes:**  
Flat finish, Gravel Ballast or Paving on non-combustible adjustable supports.

**Fire Performance:**  
BROOF(t4) classification.

**NBS J31**

**RF-07**

Steel Frame		
A0	A1	A2
B1	B2	B3
C1	C2	D3
D1	D2	D3
E1.1	E1.2	E2
F1	F2	F3

**RF-07**  
Cold Roof - Entrance Canopy, Non Insulated, thermally broken, positively drained to **1:60** Falls.

**Insulation:**  
Non Insulated, thermally broken,

**RC Waterproofing System:**  
Cold applied Waterproofing membrane on steel or aluminium deck canopy.

**Finishes:**  
Flat finish.

**Fire Performance:**  
BROOF(t4) classification.

**NBS J31**

**RF-08**

RC Frame		
A0	A1	A2
B1	B2	B3
C1	C2	D3
D1	D2	D3
E1.1	E1.2	E2
F1	F2	F3

**RF-08**  
Cold Roof Balcony/Terrace, **zero to 1:80** falls - RC Slab, positively drained (A1 & A2 to front in the balconies).

**Insulation:**  
Non Insulated, thermally broken,

**Waterproofing System:**  
Cold applied Structural Waterproofing System,

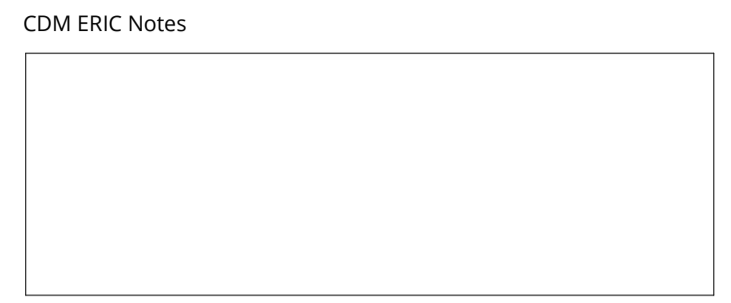
**Finishes:**  
Paving on non-combustible adjustable supports.

**Fire Performance:**  
BROOF(t4) classification.

**NBS J31**

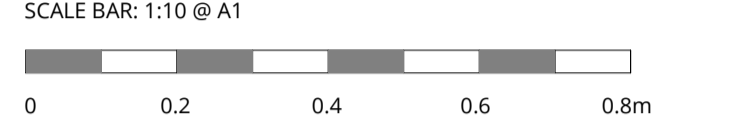
Notes:

- Do not scale from this drawing; work to figured dimensions only.
- All information is to be checked on site for accuracy and fit.
- Report any discrepancies and omissions to RMA Architects.



Where RMA services on a project do not include for site inspections and works surveys, RMA do not warrant that 'as built' issue drawings are a complete and accurate record of what has been constructed.

Unless notified specifically by the responsible party, changes made on site to RMA design information has not been incorporated in this drawing.



GENERAL NOTES

All work to be to current British Standards, NHBC Technical Standards, Building Regulations. All products to have a use specific BBA Agreement certificate.

- Refer to other RMA drawings:
- 0000 Planning diagrams
  - 1000 GA Plans / GA Flat Layout
  - 1400 Fire strategy Plans
  - 2000 GA Elevations & Sections
  - 2400 Fire strategy Elevations
  - 3000 Detail Drawings
  - 4000 Lift and Stair core
  - 5000 Schedules
  - 6000 Bathrooms
  - 9000 BIM Models

Read in conjunction with other consultants information:

- SWECO** - for structural and civil information
- MWP** - for MEP services & utilities information
- Allen Pyke Associates** - for external finishes and landscape information

C2	17.03.24	Roof RF-03 Updated	CDP	NP
C1	22.09.23	Updated to reflect cold applied membrane	CDP	NP
C0	19.07.23	First Issue	CDP	NP
P0	20.01.23	First Issue to replace drawing number 3299	PT	NP
Rev	Date	Description	By	Chkd

**RM\_A**

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Key Plan

Project

### Fosters Estate

RMA Project Reference 2075

Client

**Hill Partnerships**

Scale 1:10 @ A1 Date SEPTEMBER '22 By PT Checked NP

Drawing Title

### SITEWIDE Waterproofing & Drainage Strategy Roof Types

Purpose of Issue	Status Code
FOR CONSTRUCTION	A4
Drawing No	Revision
FE-RMA-ZZ-ZZ-DR-A-3640	C2