# PRD 21a Princess Road, NW1 8JR

## Roof Terrace Design

10 December, 2019

- Revision A: 08 January 2020
- Revision B: 10 January 2020
- Revision C: 12 May 2020







Archive images show some of the recent developments, extensions & enhancements at 21 & 21a Princess Road.

The proposed roof terrace would add significant habitat and evergreen planting to the otherwise hard rear facade and the fully sealed parking area.

A visual survey of the four adjacent properties identifies the existing roof terraces (see over).



21 Princess Road (Ground & Lower Ground)



Inspection of surfaces, dimensions, features & obstructions. December, 2019.

The idiosyncratic balustrade & balusters have been integrated into a slim construction detail as a part of the recent flat roof extension. The underlying fabric requires further investigation .

The removal of the balustrade and a rationalised installation of stairs and railings will improve and protect this junction.



















The flat roof provides 21a Princess Road with an opportunity for welcome outdoor space and with enhancements that contribute to the local garden setting. The design aims to create an enclave for an al fresco morning coffee or for soaking up the afternoon sun. The existing balcony is improved and combined with an adjacent flat roof. Planters are set to the perimeter twin standpipe & auto-dripline irrigation on two sides with sufficient volume for sustainable planting with an inner perimeter of classic black iron - external IP66 13amp power safety railings. top step: steelwork forms tray to accept stone tiles - single downlight for stairs Free-draining stone tiles on a pedestal system unite the two levels and protect roofing membranes. straight stair steel castings stairs (painted black) 600 x 600mm stone tiles on pedestal supports Mediterranean planting maximises the sunny aspect. 950 ω N -0 galvanised steel railings 1100mm (painted black) 390 600 remove concrete balusters & replace with railings 1100mm 600 x 600mm stone tiles on pedestal supports 4420 paving flush with the existing brickwork parapet 465 galvanised steel railings 1100mm (painted black) free-standing planter GRP encapsulated planters with cedar facings Mediterranean planting for sunny west-facing aspect 3050mm 2850mm 8

## **Rear Elevation**

Fitted planters have been designed large enough and with the capacity and volume of irrigated growing medium to provide a verdant garden with thriving plants. This weight is supported on top of the structural brick walls which form the exterior of the rear extension.

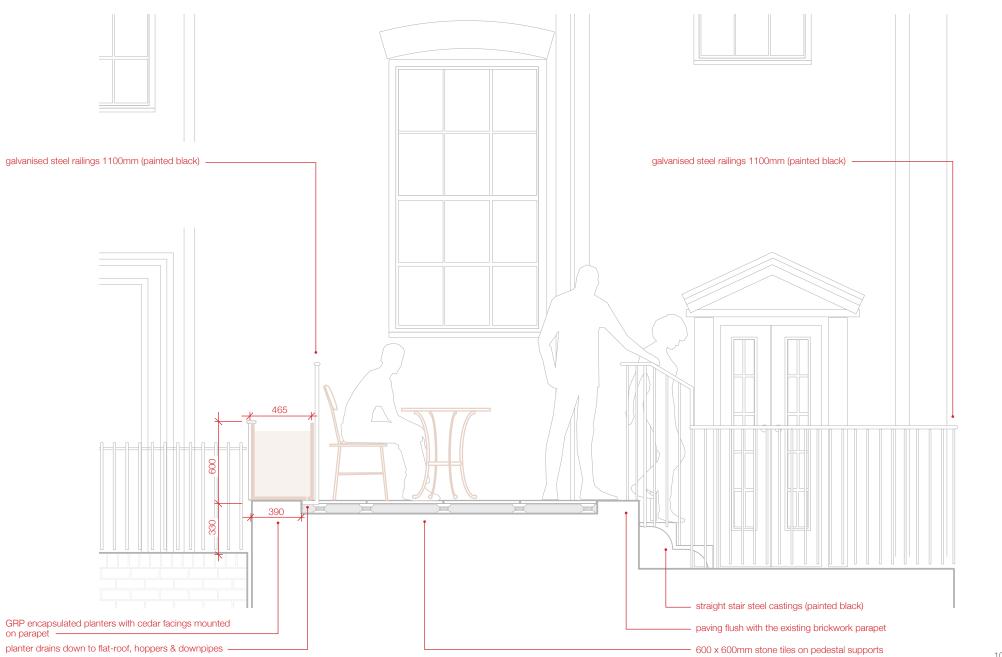
Plants can be maintained by reaching through or over the railings and planters are fabricated to ensure that they drain back to the flat roof, its hoppers, and downpipes.

Maintaining the inner railing height at 1100mm ensures that the balcony is safe and compliant.

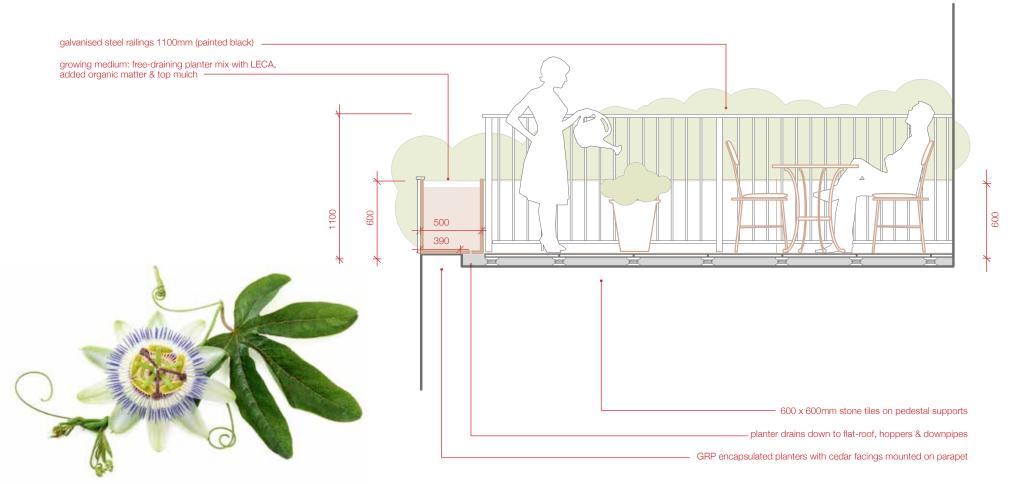
Using the planters as a green divide benefits the sense of privacy and separation from the adjacent lower roof terrace.

Automatic micro-dripper irrigation.





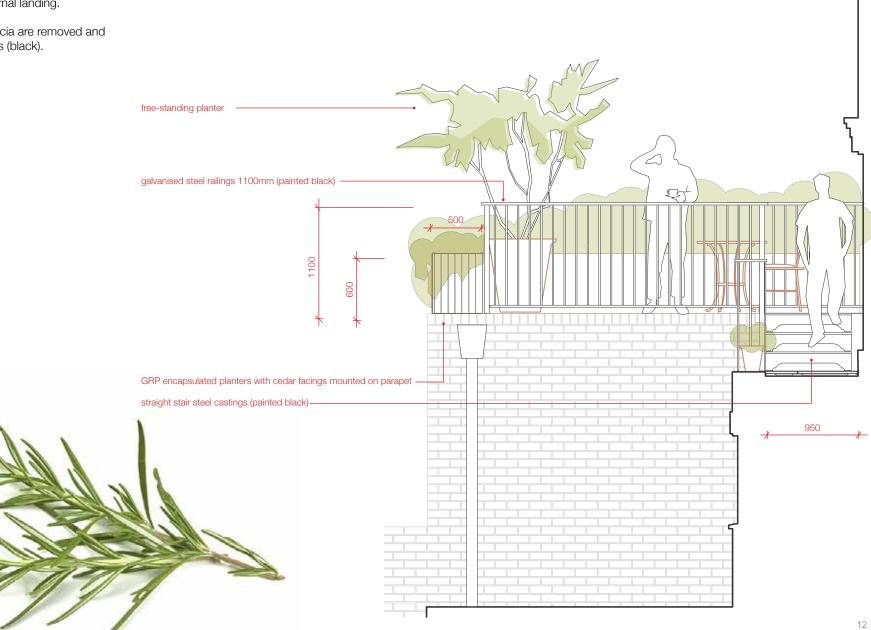
Plants are maintained by reaching through and over railings. The durable planters are fabricated to ensure that they drain back to the flat roof, its hoppers, and downpipes.



## Balcony Section / Side Elevation

Steel stairs lead down to the existing lower balcony with access onto the internal landing.

Existing balusters and fascia are removed and replaced with steel railings (black).



#### Materials

A free-draining surface of 600 x 600mm stone tiles set on pedestal supports unites the two levels.

Galvanised steel railings and cast stairs between levels (painted black). The top step forms a tray to accept terrace tiles.

Weathered cedar facings are applied to the external faces of GRP planters.







straight stair steel castings



weathered cedar facings



steel railings (painted black)

Plywood shapes encapsulated in glass reinforced plastic (GRP) provide a system for customised, ultrastrong, durable, and insulated planters.

Finished in any RAL colour. These examples are all basic black and ready to receive soil and external fascia.



#### Mediterranean Planting

Tough nectar-rich Mediterranean-style planting is supported with an automatic drip-line irrigation system. Supplementary terrace pots as required

Lightweight growing medium; free-draining planter mix with LECA, added organic matter & top mulch. GRP planters and cedar facings provide thermal insulation and reduce evaporation.



Corokia x virgata 'Frosted Chocolate' (Wire Plant)



Teucrium fruticans (Shrubby Germander)



Trachelospermum jasminoides (Star Jasmine)



Passiflora caerulea (Passionflower)



Trachelospermum jasminoides (Star Jasmine)





Corokia x virgata 'Frosted Chocolate' (Wire Plant)



Laurus nobilus (Bay Leaves)





Salvia rosmarinus Prostrate Group 'Prostrate

Salvia rosmarinus (Rosemary)



Erigeron karvinskianus (Mexican Fleabane)

The aim is to provide an enticing urban habitat. Flowering plants for pollinators, nest boxes tucked amongst protective planting, and a space for culinary herbs within easy reach of the kitchen.

Many perennial herbs and aromatic plants also make ideal garden additions to attract bees and hoverflies. Given the right aspect - bay, rosemary, rocket, mint and marjoram - all thrive in London gardens.





Origanum spp. (Marjoram)



Petroselinum crispum (Moss-curled Parsley)



Diplotaxis tenuifolia (Wild Rocket)



Capsicum spp. (Chilli Pepper)

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