

Planting and maintenance proposal for New dwelling in space at rear of 17 Frognal, London NW3

Green Wall for East Elevation

Install 3m tall pre-grown ivy screens on galvanised steel trellis along full length of wall, excluding window and door openings, to create continuous live green wall, fixed to building with galvanised brackets. Current proposal for size of wall to be covered in planting is circa 8.6m in length by 3.6m in height. Overall height of screens when planted up 3.6m.

Options for above door openings, between ivy screens:

- (A) Fit galvanised trellis extensions to match the ivy screen construction, onto which ivy will be trained to grow.
- (B) Install living wall planters with self-contained watering reservoirs, with mixed species perennial plants, fixed to building structure.

Ivy screens planted into free standing or built-in planters with minimum internal dimensions 500mm (W) x 600mm (H) to allow sufficient volume for watering, roots and long-term growth of ivy.

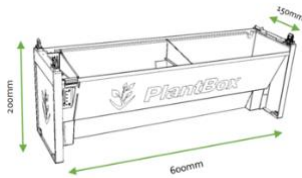
Space available in planters for additional underplanting with small perennial shrubs and seasonal bulbs as desired, to be confirmed by client.



Pre-grown ivy screen 3m (H)



Mesh trellis extension
for above windows/doors



Living wall planter



Combined ivy screens and living wall planters (GRP containerised)



Green Roof

Install pre-grown sedum living roof cassettes to cover entire sloping roof (8.5m x 13.2m area, 5-6% slope). Root-suppressant breather membrane installed below cassettes, and edges of roof, around glazing and guttering/drainage weighted and finished with gravel.



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New/replacement trees

Supply and plant up trees in accordance with client's selection, arboriculturists report and recommendations for positioning, and Camden Tree Officer requirements on size and species. All new/replacement trees minimum 14-16cm girth measured at 1m height in upright form:

- 2no English Oak (*Quercus robur*) – Extra heavy
- 1no Common Lime (*Tilia x europaea*) – Extra heavy
- 1no Silver Birch (*Betula pendula*)
- 1no Rowan (*Sorbus rehderiana*)
- 1no Hawthorn (*Crataegus monogyna*)
- 1no holly (*Ilex aquifolium*)
- 1no Hazel (*Corylus avellana*)
- 3no Japanese Acer (*Acer Japonicum*)
- 3no edible/ornamental fruit trees (*Pyrus*, *Prunus*, *Malus* – exact species to be confirmed by client)

Tree delivery and planting

Movement of trees on site kept to minimum to avoid compaction of soil and exiting tree root protection zones as marked in arboriculturist's report, and utilising areas with cellular confinement system.

Where trees are too heavy to plant by hand, a mobile lightweight gantry will be used to lift them into pits.

- Tree planting to take place between October to March.
- Tree pits dug using hand tools. Pits 75mm larger than rootballs all round.
- Topsoil and subsoil separated for backfilling.
- Install root barrier membrane where tree planted to adjacent to services/structures as recommended by arboriculturist.
- Mona relief watering rings installed around base of rootballs in pits.
- Tree planted in pit to retain levels, and backfilling carried out to retain original soil profiles and manually compacted.
- Where site soil is deemed unsatisfactory, imported topsoil in accordance with BS3882 used for backfilling, with incorporation of 10% peat free, organic compost/soil improver.
- Trees double staked with 1.8m x 75mm round stakes and natural webbing tree ties.
- Individual tree planting areas mulched with 50-75mm depth bark.

Planting Maintenance

General garden maintenance carried out as follows:

- All areas to be manually watered using mains supply and grey water retained on site when available.
- Watering of all planting, green wall and green roof according to season, including watering of new trees until fully established.
- Minimum fortnightly inspection/maintenance/watering visits during growing season (April to September). This will include weeding and fertilising of all planting, and trees as per arboriculturist's recommendations.
- Allowance made for daily watering in summer/drought to ensure survival of new plants and trees, especially while becoming established.
- Green wall ivy screens watered at base into planters.
- Living wall planters watered into integral planter reservoirs.
- Green roof watering carried out using hose/sprinkler.
- All new trees to be monitored and maintained by arboriculturist for 36 months and until deemed established by arboriculturist. We will liaise with client's arboriculturist throughout this period.
- Ivy screen pruning carried out twice per year, in early summer and late autumn to maintain shape and ensure controlled growth.
- Where mesh trellis used above windows, ivy tied in twice per year to encourage covering.
- Ivy allowed to grow over onto green roof for 300mm to create continuous green curved structure of wall and roof.
- Where living wall planters used, these pruned as required during ivy maintenance visits.

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Notes

1. Details correct at time of our site visit dated 29 October 2020
2. Based on following documents provided by client:
 - a. Drawings F12/2018/PP/01, F12/2018/PP/03, F12/2018/PP/06
 - b. Tree plan shown below
 - c. Central London Tree Surveys arboricultural report dated 29 October 2020
3. This proposal is subject to our standard terms and conditions of business. Please visit www.theplantman.co/terms-and-conditions

Tree Plan



6th December 2020

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