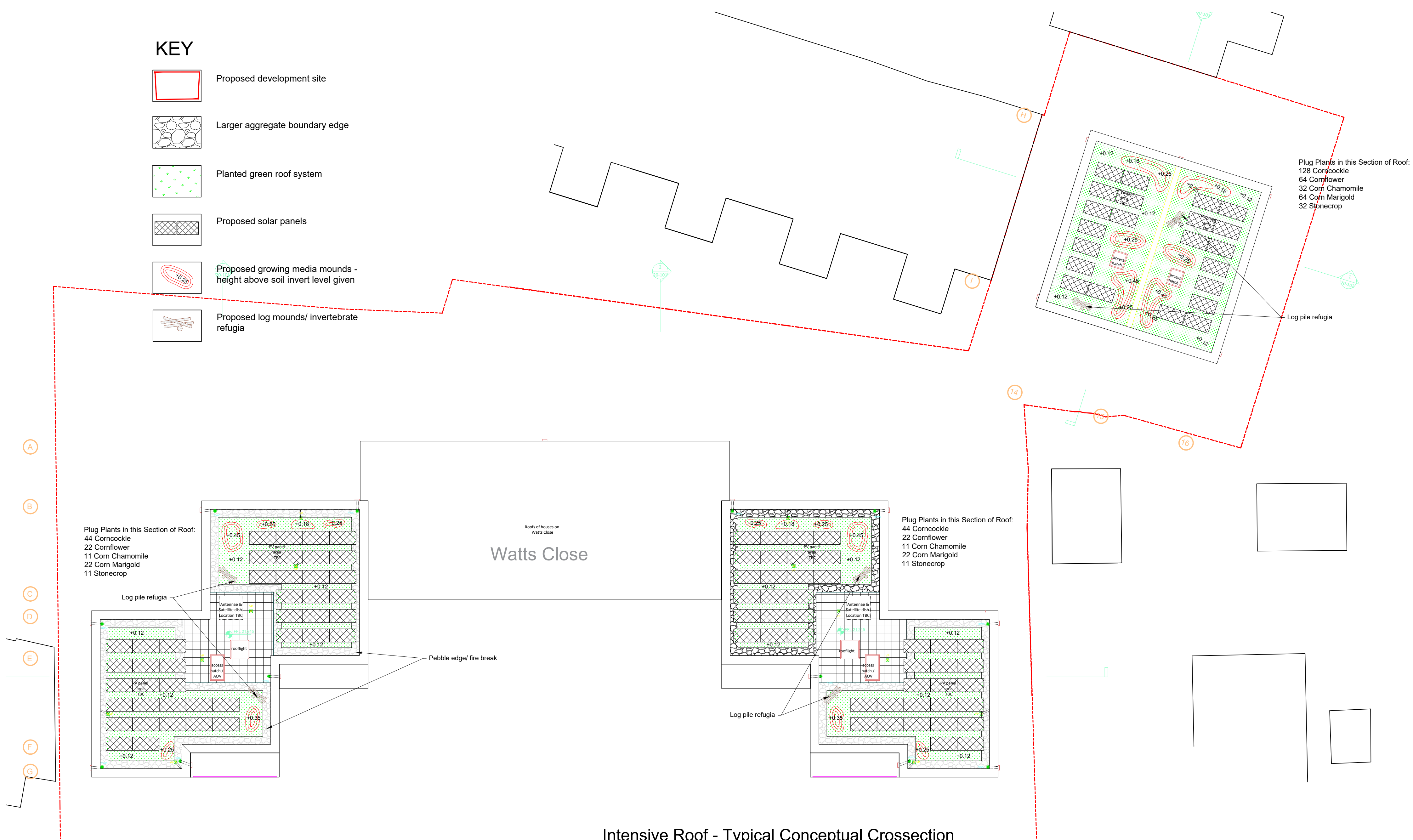


Intensive Green Roof



Log Piles/ Refugia



Intensive Roof - Typical Conceptual Crossection

ER1 – TURF ROOF MIXTURE
Composition
This wild flower and grass mixture is suitable for sowing green roof schemes where a turf of grasses with wild flowers is the desired end point.

Wild Flowers

%	Latin name	Common name
0.5	Agrimonia eupatoria	Agrimony
1	Anthyllus vulneraria	Kidney Vetch
0.2	Armeria maritima	Thrift (Sea Pink)
1	Betonica officinalis	Betony
0.5	Calluna vulgaris	Ling - (Common Heather)
0.5	Euphrasia officinalis	Eyebright
1	Filipendula vulgaris	Dropwort
2	Galium verum	Lady's Bedstraw
0.2	Hippocrepis comosa	Horseshoe Vetch
0.2	Leontodon hispidus	Rough Hawkbit
0.2	Linum catharticum	Pale Flax
1.2	Lotus corniculatus	Bird's-foot Trefoil
1	Lysimachia arvensis	Scarlet Pimpernel
0.5	Matricaria chamomilla	Scented Mayweed
1.5	Origanum vulgare	Wild Marjoram
1.5	Papaver rhoeas	Common Poppy
2.5	Potentilla anserina	Salad Burnet
1	Rumex acetosella	Sheep's Sorrel
20	Silene uniflora	Sea Campion

Grasses

%	Latin name	Common name
4	Briza media	Quaking Grass (w)
0.2	Carex flacca	Sedge
20	Cynosurus cristatus	Crested Dogtail
24	Festuca ovina	Sheep's Fescue
24	Festuca rubra	Slender-creeping Red-fescue
2	Koeleria macrantha	Crested Hair-grass (w)
4.6	Phleum bertolonii	Smaller Cat-tail (w)
1.2	Trisetum flavescens	Yellow Oat-grass (w)

Sowing Rates
10g/m²

Growing guide
Preparation
Ensure the seed bed is free of weeds, has reasonable texture and structure and can retain moisture. A minimum depth of 75mm of a substrate with some nutrient and moisture holding capacity will be required to support grass growth. A greater depth and/or irrigation may be needed in drier regions.

Sowing
Seed is best sown in the autumn or spring but can be sown at other times of the year if there is sufficient warmth and moisture. On shallow growing medium irrigation may be needed to maintain establishment through dry periods. The seed must be surface sown into the patches of finer gravel, but not the patches of pebbles and rubble; do not incorporate or cover the seed. Bulk up the seed with an inert carrier such as sand to make distribution easier.

Aftercare
Make monthly checks through the first growing season and remove rank weed species such as docks, brambles and tree seedlings. Subsequent years will need an annual visit to do the same and the area should be strimmed at a minimum of once every 3 years and the arisings removed.

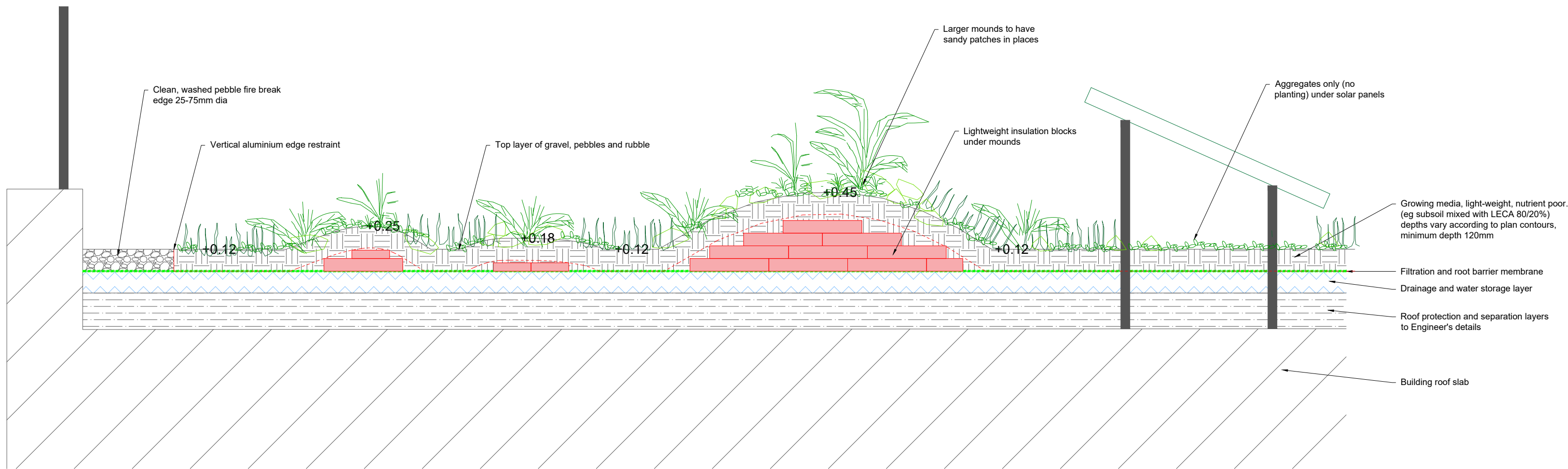
PLUG PLANTS FOR INTERPLANTING
Composition
Interplant mounded areas with the following comfield annuals as plug plants, amongst seeding. Plugs 30x30mm root size.

Wild Flowers

%	Latin name	Common name
40%	Agrostemma githago	Corncockle
20%	Centaurea cyanus	Cornflower
10%	Cotula austriaca - (Anthemis austriaca)	Corn Chamomile
20%	Glebionis segetum - (Chrysanthemum)	Corn Marigold
10%	Sedum telephium	Stonecrop

Growing guide
Planting
Plugs to be planted at 20 plants per m² in all mounded areas. Scarpe aside any gravel or pebbles, plant and return gravel or pebbles around the plants. Leave larger pebble (over 75mm), rocks, logs etc in place and plant around these features. Water thoroughly after planting.

Aftercare
Make monthly checks through the first growing season and remove rank weed species such as docks, brambles and tree seedlings. Subsequent years will need an annual visit to do the same and the area should be strimmed at a minimum of once every 3 years and the arisings removed.



NOTES:
Top layer of gravel, pebbles and small pieces of rubble to be loose laid in inter-woven drifts of the separate materials.
Seeding with Emorsgate ER1 Turf Roof Mixture to be done onto the surface of the gravel areas only (gravel depth 20mm), with bare areas of pebbles and rubble left unseeded (pebble depth 50mm). (www.wildseed.co.uk)
Growing medium to be nutrient poor eg: 80% subsoil, 20% lightweight aggregate eg LECA/ crushed lightweight aggregate (LWA) or similar and 2% P4 water retention granules from www.green-tech.co.uk or similar.
Specification of roof system layers and products below the growing media to be confirmed by the project Engineer's. Roof system components by Bauder (www.bauder.co.uk) or similar.
Edge - AluExcel 120mm, aluminium L shaped by Kinley Systems www.kinley.co.uk or similar.

A 21.09.2022 Lightweight blocks added under mound areas
Revisions

SWAN PAUL
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CLIENT: Formation Design & Build Ltd
PROJECT: Watts Close, Haringey
TITLE: Roof Gardens-Landscape Plan

Scale 1:150@A1 Date 20.09.2022 Drawing 3264.105 Rev A