## **VL 13/15 INFILL**

program: urban infill, residential

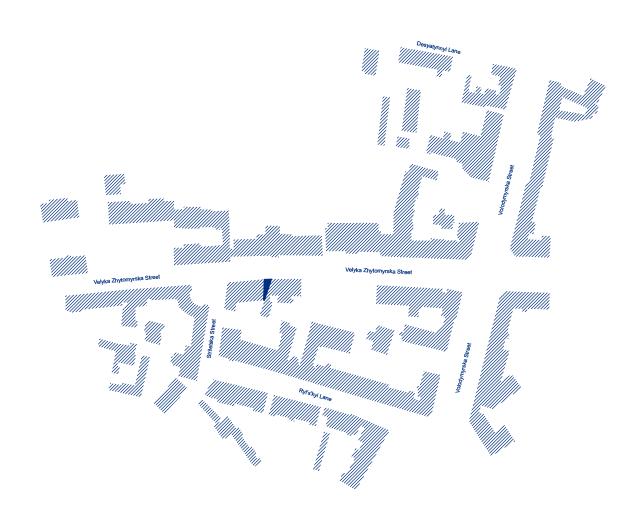
location: Velyka Zhytomyrska St, Kyiv, Ukraine

basics: studio project area: 172.4 sq.m. year: 2008, 2021

in team with: -

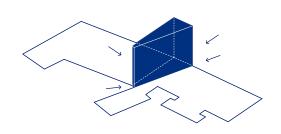
If you have ever thought about how to increase the city's density, but not just erase parts of the city and remake it, let's say, if you would not take a modernist approach. Infills and insertions into the lot fabric are a sensitive approach in providing new housing and employment and avoiding non-recyclable and unnecessary construction waste.

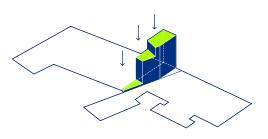
The house is designed to let the maximum amount of sunshine through the south and north facades. The notch on the north facade provides additional sunlight and comfortable access to the residential building. The space inside is split into eight levels (excluding roof gardens) instead of a staircase to preserve the most space on a narrow and small lot. The split-level approach gives a broad range of experiences and connections through the flow of spaces and allows one to make the most out of a small space.



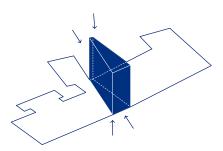
DESIGN PRINCIPLE: INSERTION AND FORM CREATION

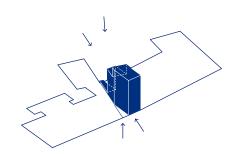


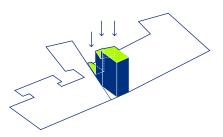




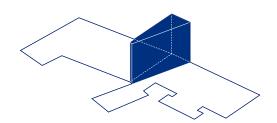
green roof for climate impact mitigation

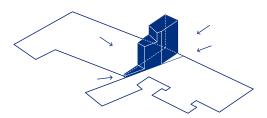






sunlight impact on form creation

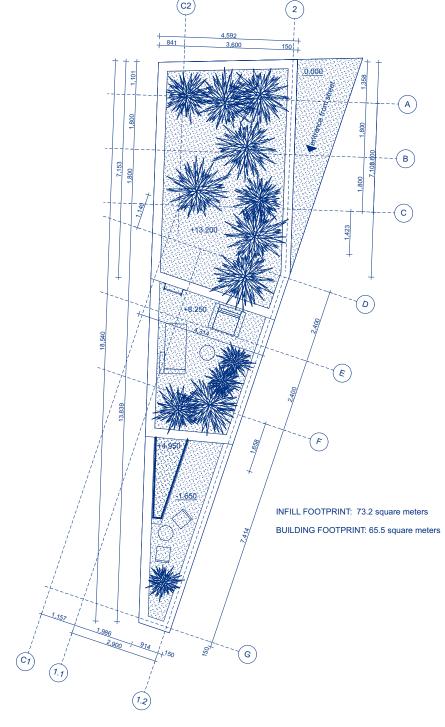




L.

+ SITE PLAN

+ + + 4.592

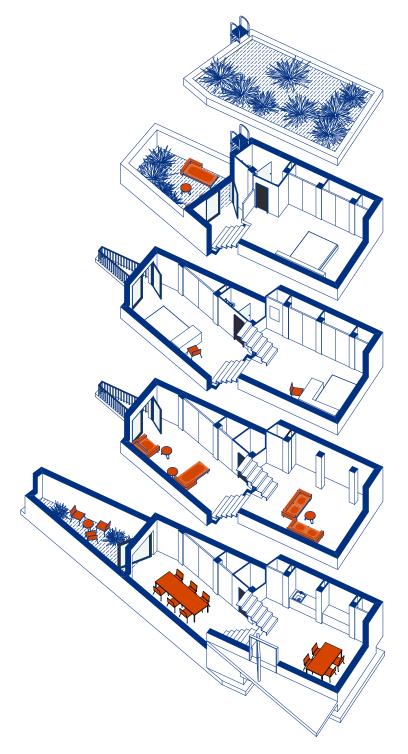


+

+

+

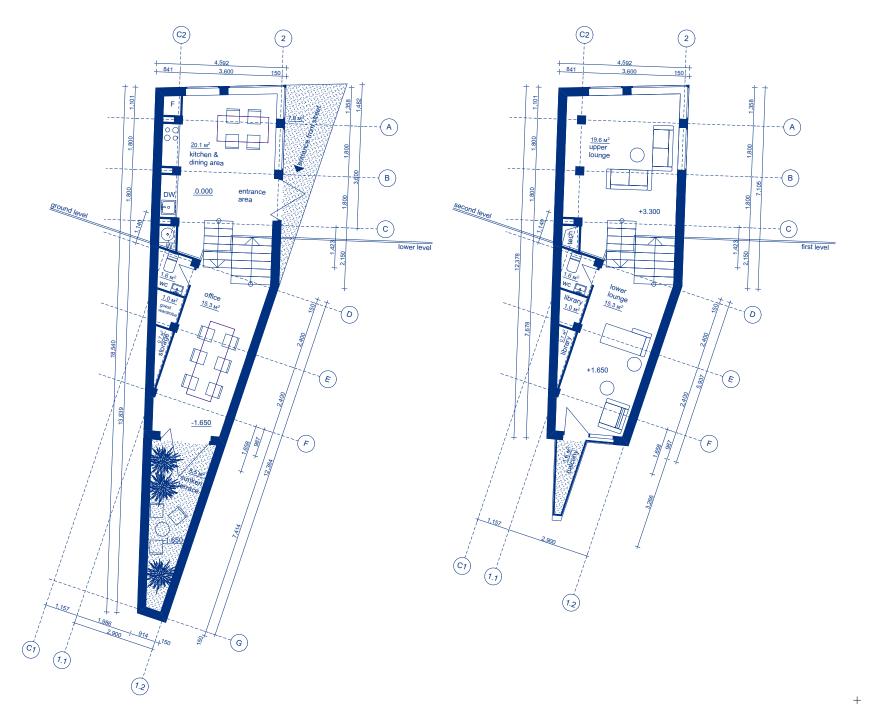
+ INTERIOR SPACE ORGANIZATION

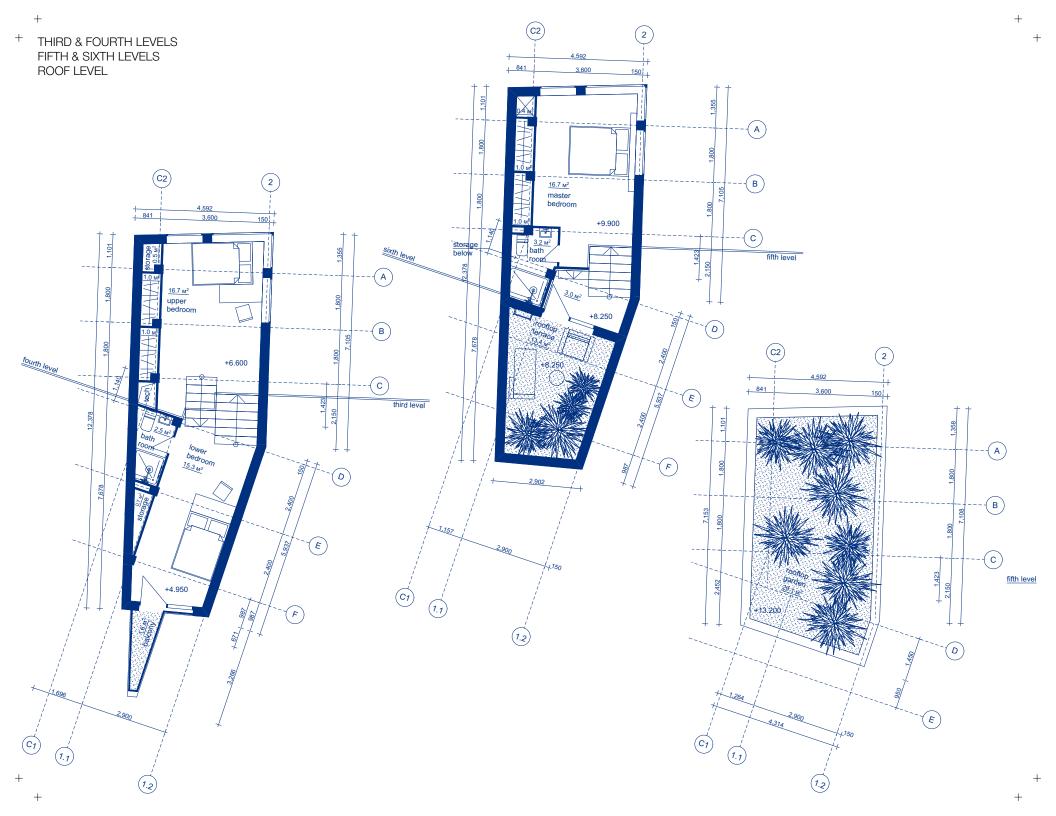


+

.

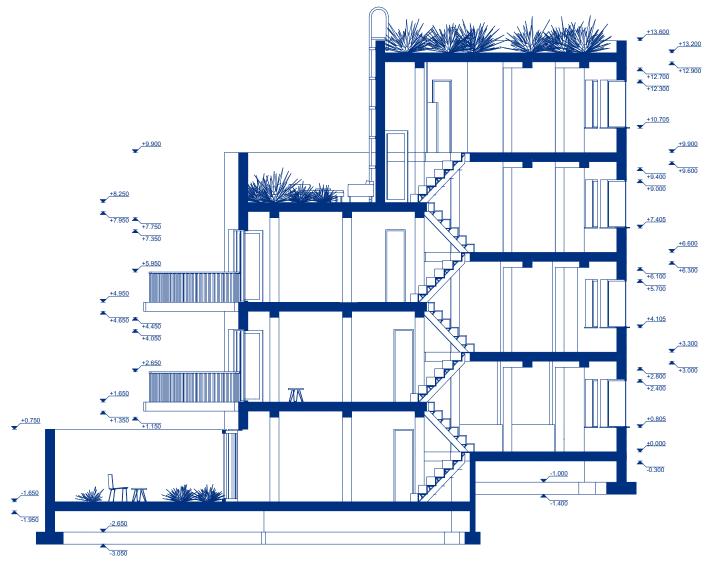
+ LOWER & GROUND LEVELS FIRST & SECOND LEVELS





 $^{+}$ 

+ SECTION 1-1



T

-

DETAILED SECTION OF EXTERIOR WALL

+13.790 Flashing to suit job conditions +13.200 +12.900 +12.700 Green Roof Substrate Drainage layer - 30 mm
Protection mat
Waterproof membrane Recycled concrete panels 20mm
Recoperated wood furing strips 30mm
Recoperated wood furing strips 30mm
Recoperated wood starting 20mm
Recoperated wood starting 20mm
/ insulated recycled wood panels in cavilly 100mm + 100mm
Recoperated wood starting 20mm
Recoperated wood fareing strips 30mm
/ insulated recycled wood panels in cavilly 30mm
Recycled concrete panels 20mm Rigid insulation - 100 mm Concrete slab - 200 mm Recycled concrete panels 20mm
Recuperated wood furing sirps 30mm
Membrane
Recuperated wood sheathing 20mm
Recuperated wood sheathing 20mm
Recuperated wood sheathing 20mm
Recuperated wood panels in cavity 100mm \* 100mm
Recuperated wood sheathing 20mm
Recuperated wood furing sirps 30mm
I insulated recycled wood panels in cavity 30mm
Recuperated wood furing sirps 30mm
Recycled concrete panels 20mm
Recycled concrete panels 20mm +4.105 +3.300  $^{\circ}\Delta$ Δ. Δ. +3.000 crete beam - 300 x 300 mm Terrezzo flooring - 20 mm / divider strips Bonding concrete agent - 50 mm Rigid insulation - 30 mm Concrete slab - 200 mm +2.400 Recycled concrete panels 20mm
Recuperated wood furring strips 30mm
Membrane
Recuperated wood sheathing 20mm
Recuperated wood wall stud 200mm
/ insulated recycled wood panels in cavity 100mm + 100mm / insulated recycled wood panels in cavity 100mm Recuperated wood sheathing 20mm Vapour barrier Recuperated wood furring strips 30mm / insulated recycled wood panels in cavity 30mm Recycled concrete panels 20mm +0.805 Concrete catch basin ±0.000 Galvanized steel parging / flashing Dimpled membrane Elastomeric spray applied waterproofing Rigid insulation 30 mm -0.350 apour barrier Δ Δ. Terrezzo flooring - 20 mm / divider strips Bonding - 20 mm / aware surps
Bonding concrete agent - 80 mm
Vapour barrier
Compacted fill - min. 200mm

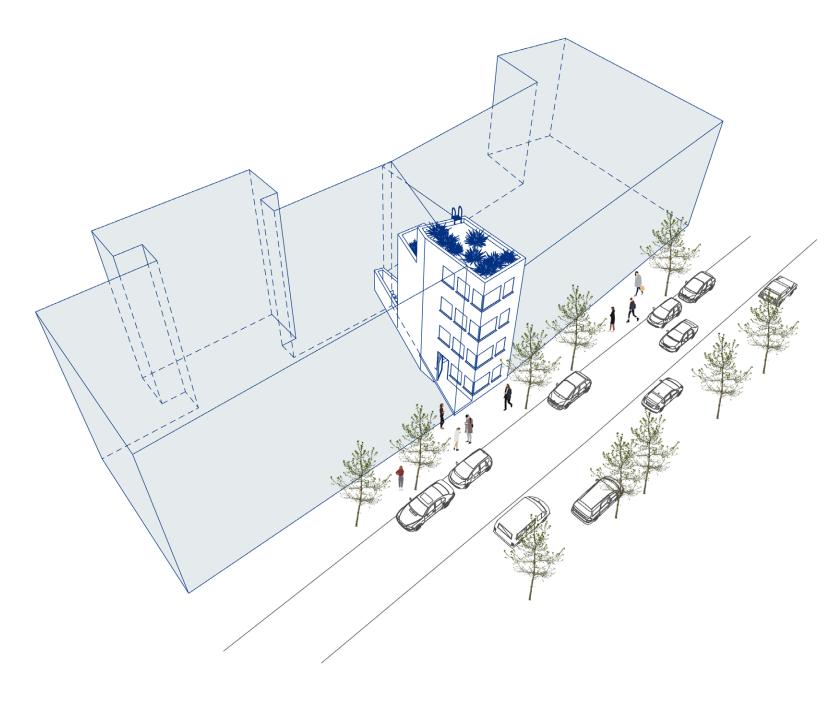
Compacted fill - min. 100mm

+

+

+

+ SKETCH OF THE INSERT IN THE ENVIRONMENT



 $^+$ 





STREETVIEW IMAGE

+

+



+

+ STREET ELEVATION

\_