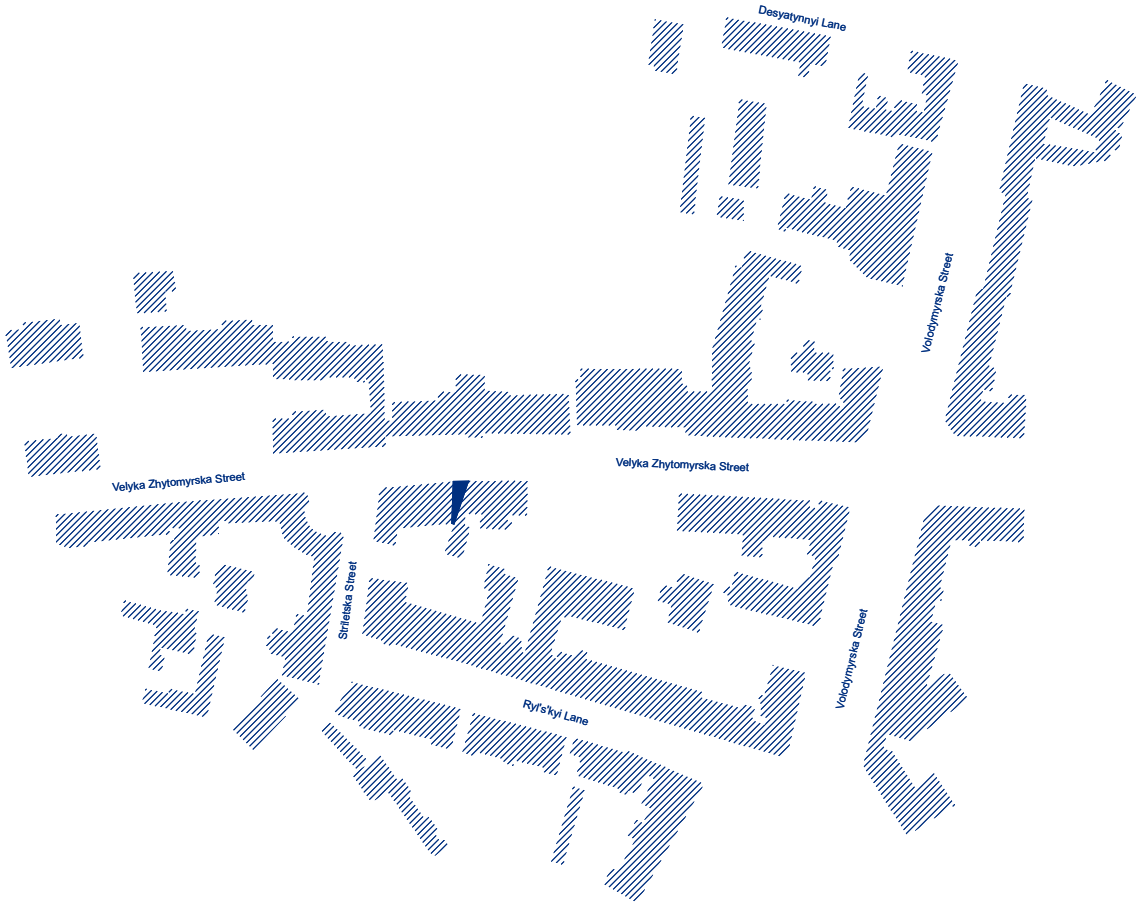
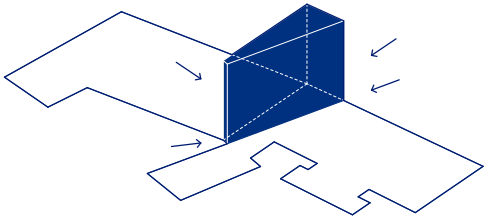
VL 13/15 INFILL

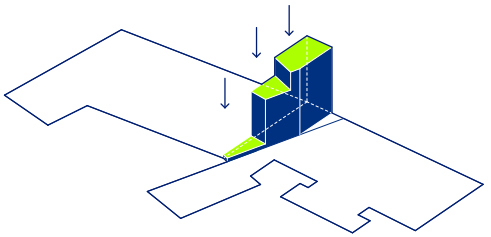
program:	urban infill, residential
location:	Velyka Zhytomyrska St, Kyiv, Ukraine
basics:	studio project
area:	172.4 sq.m.
year:	2008, 2021
in team with:	-

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.

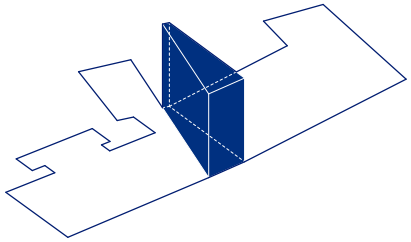


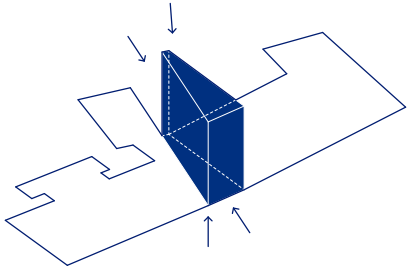
DESIGN PRINCIPLE: INSERTION AND FORM CREATION

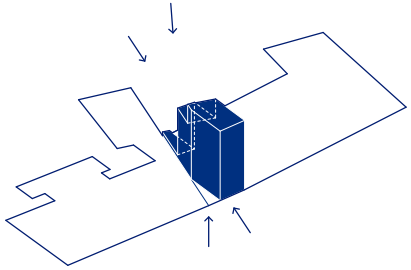


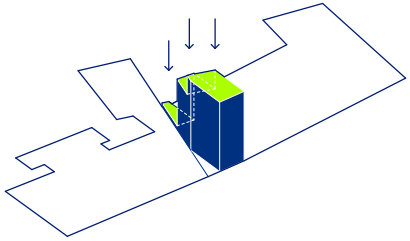


green roof for
climate impact mitigation

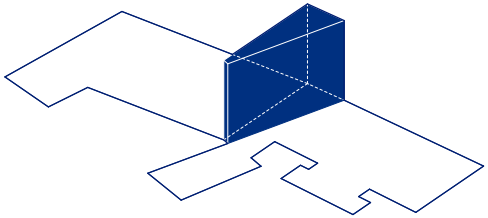


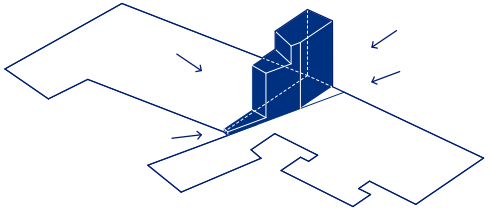




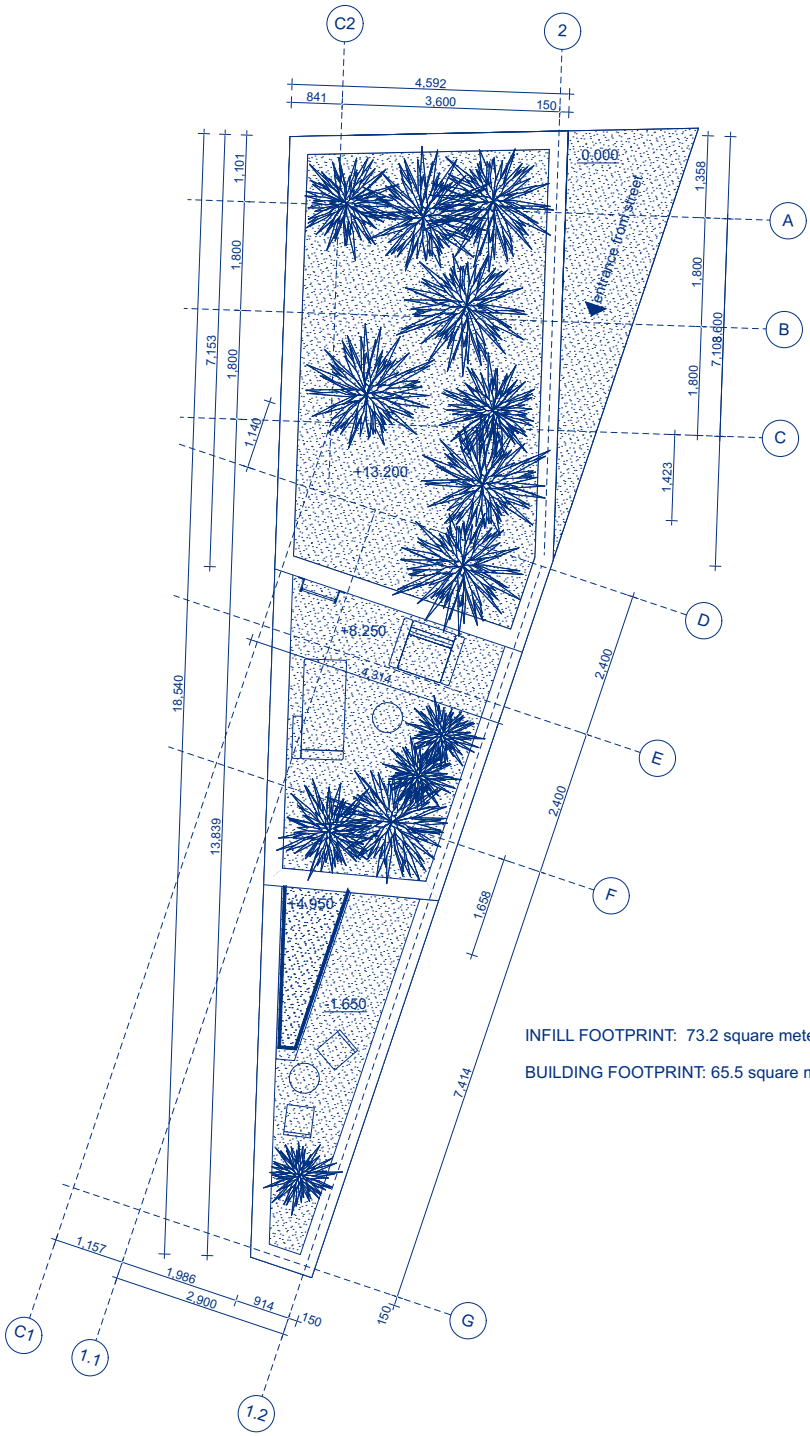


sunlight impact on form creation





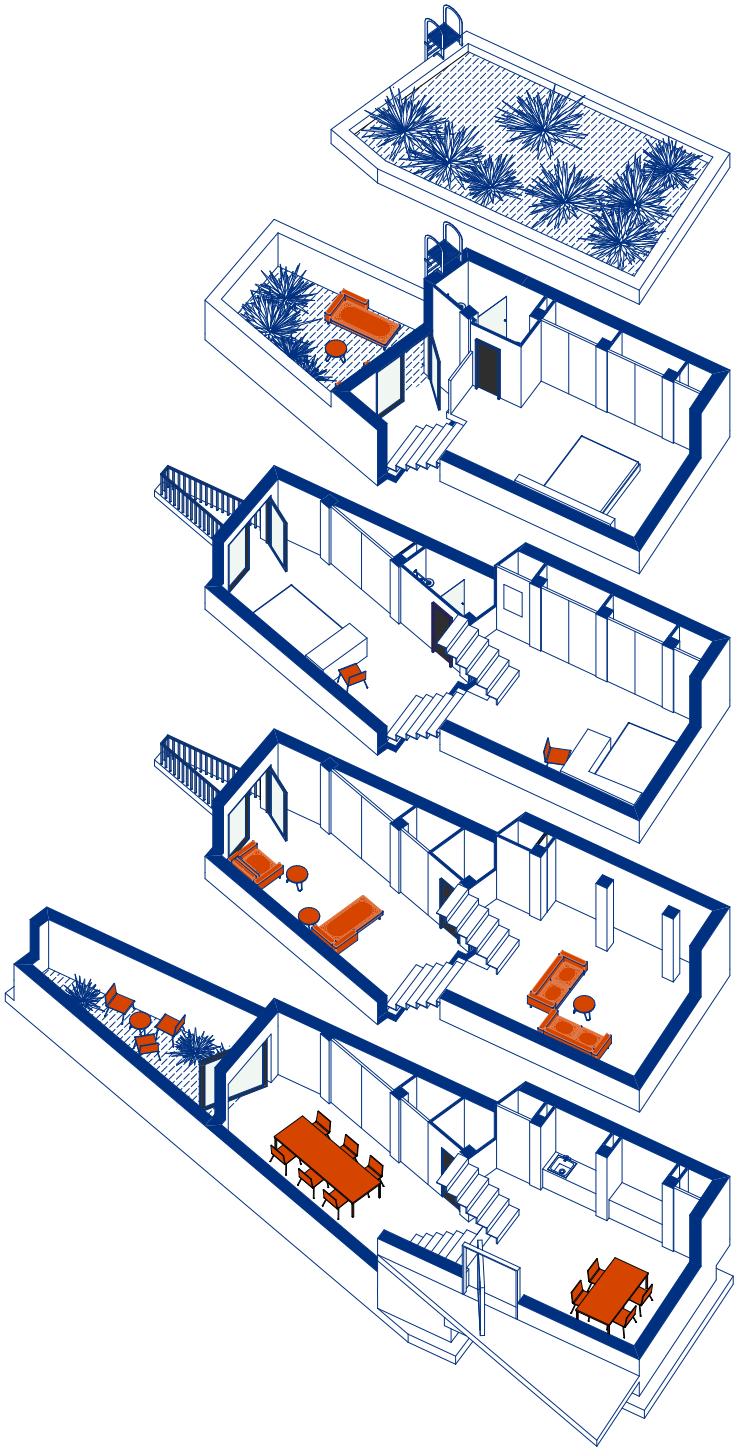
SITE PLAN



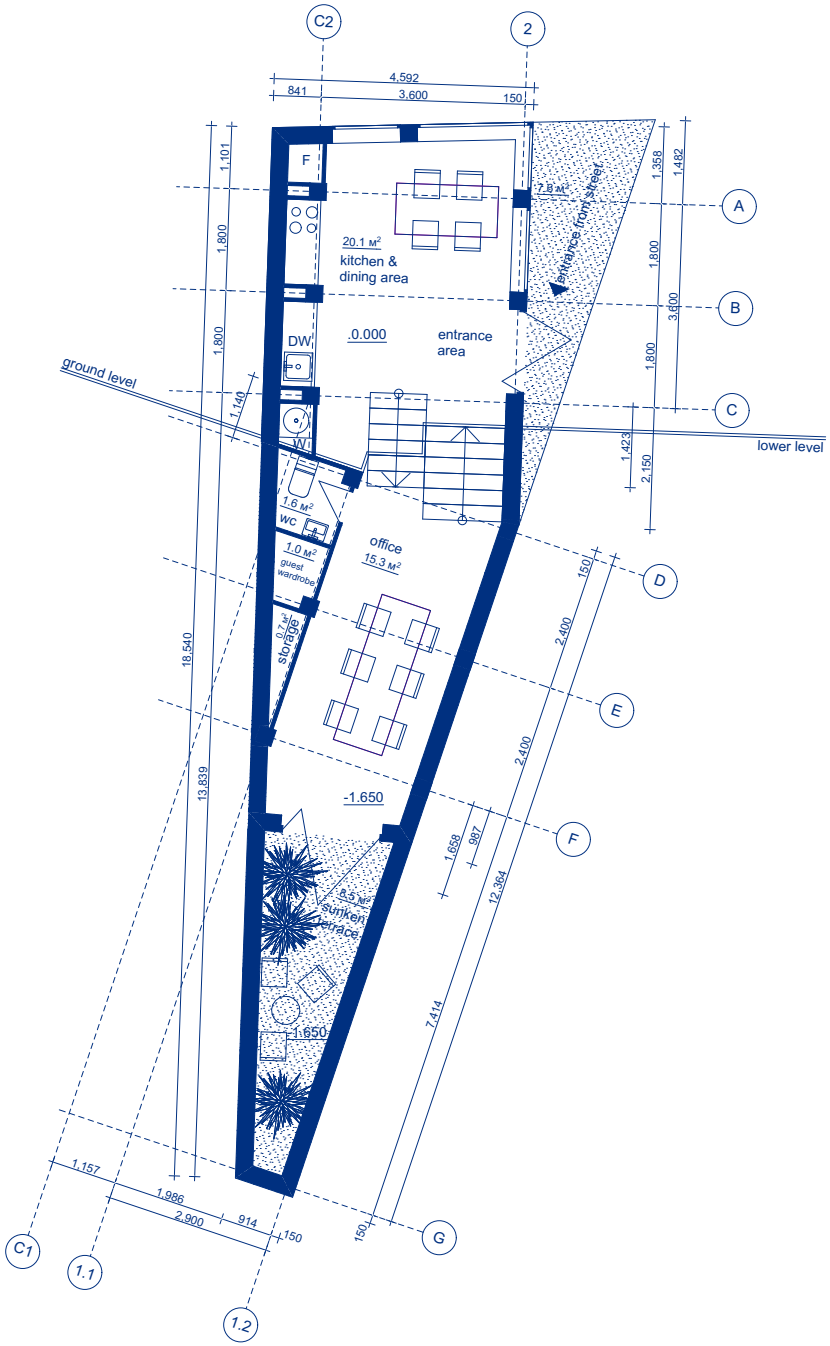
INFILL FOOTPRINT: 73.2 square meters

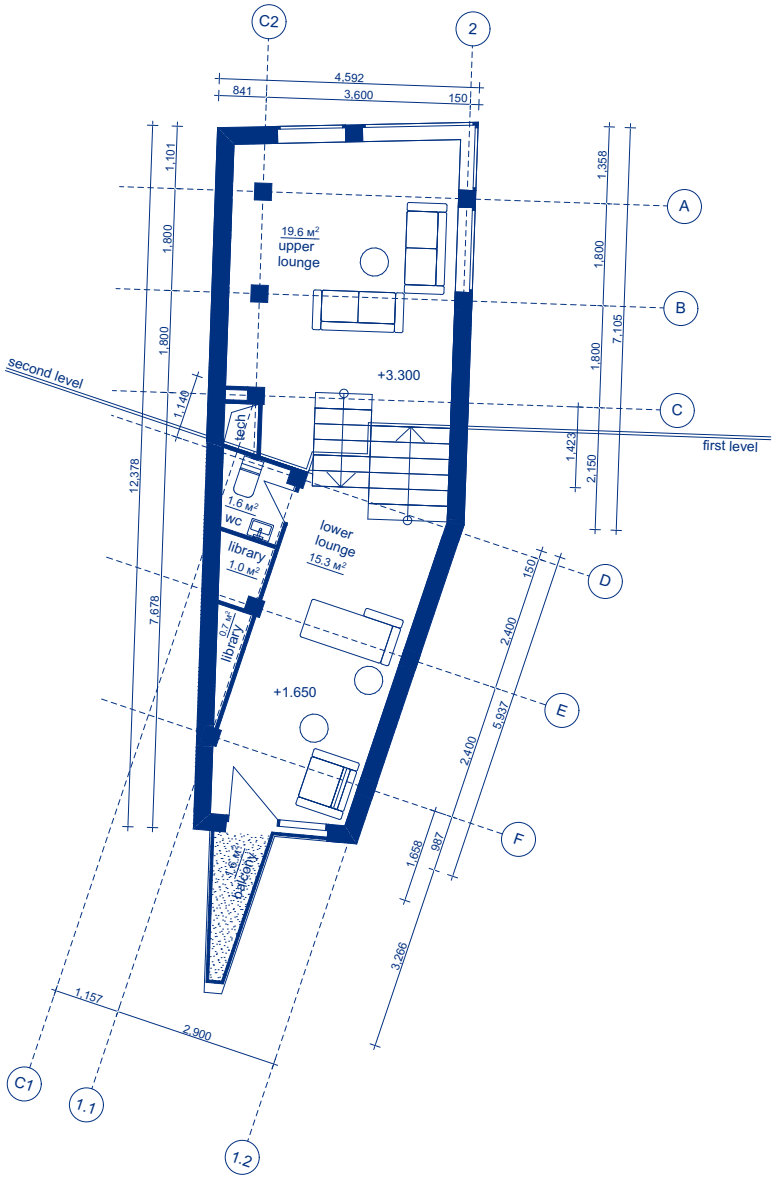
BUILDING FOOTPRINT: 65.5 square meters

INTERIOR SPACE ORGANIZATION

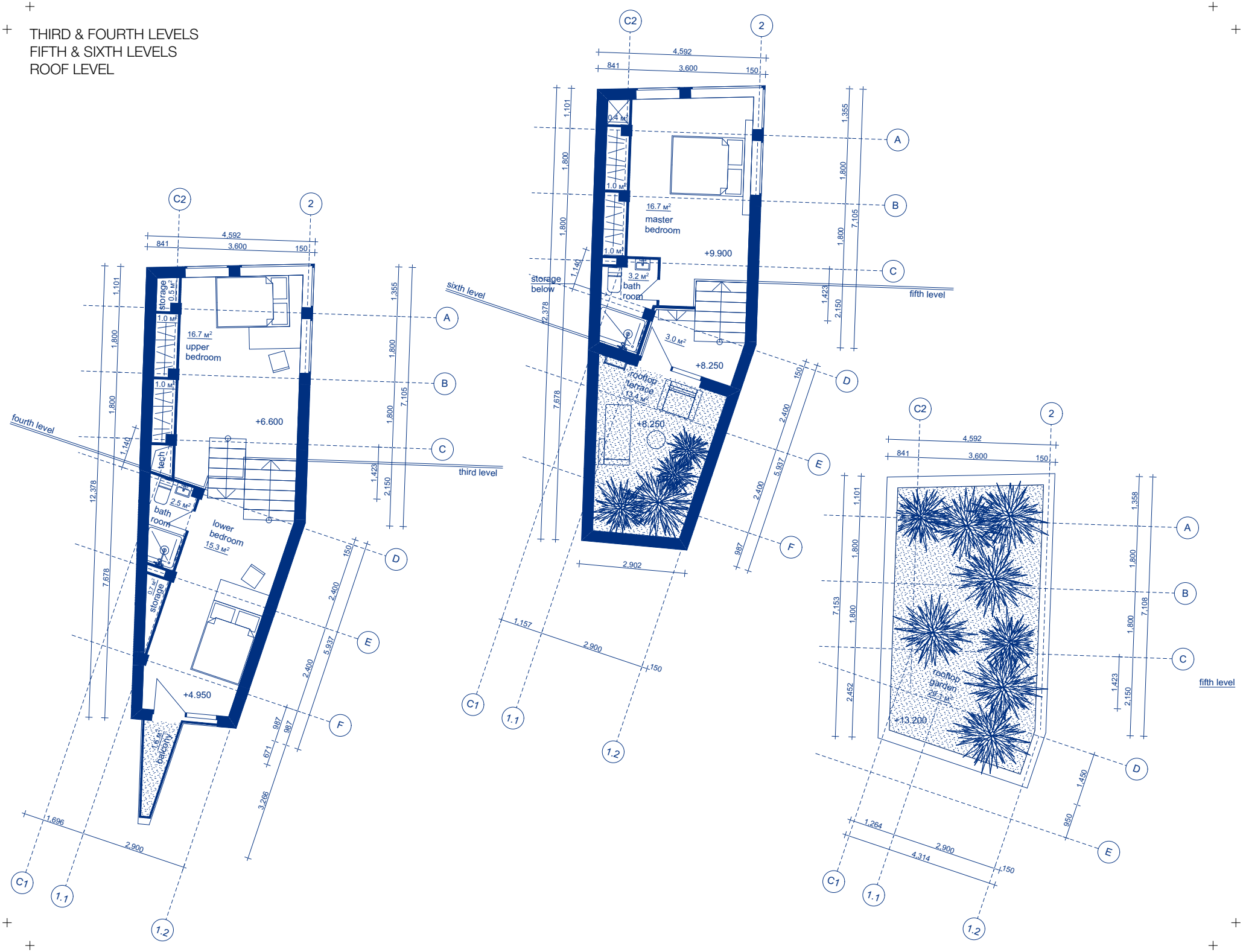


LOWER & GROUND LEVELS
FIRST & SECOND LEVELS

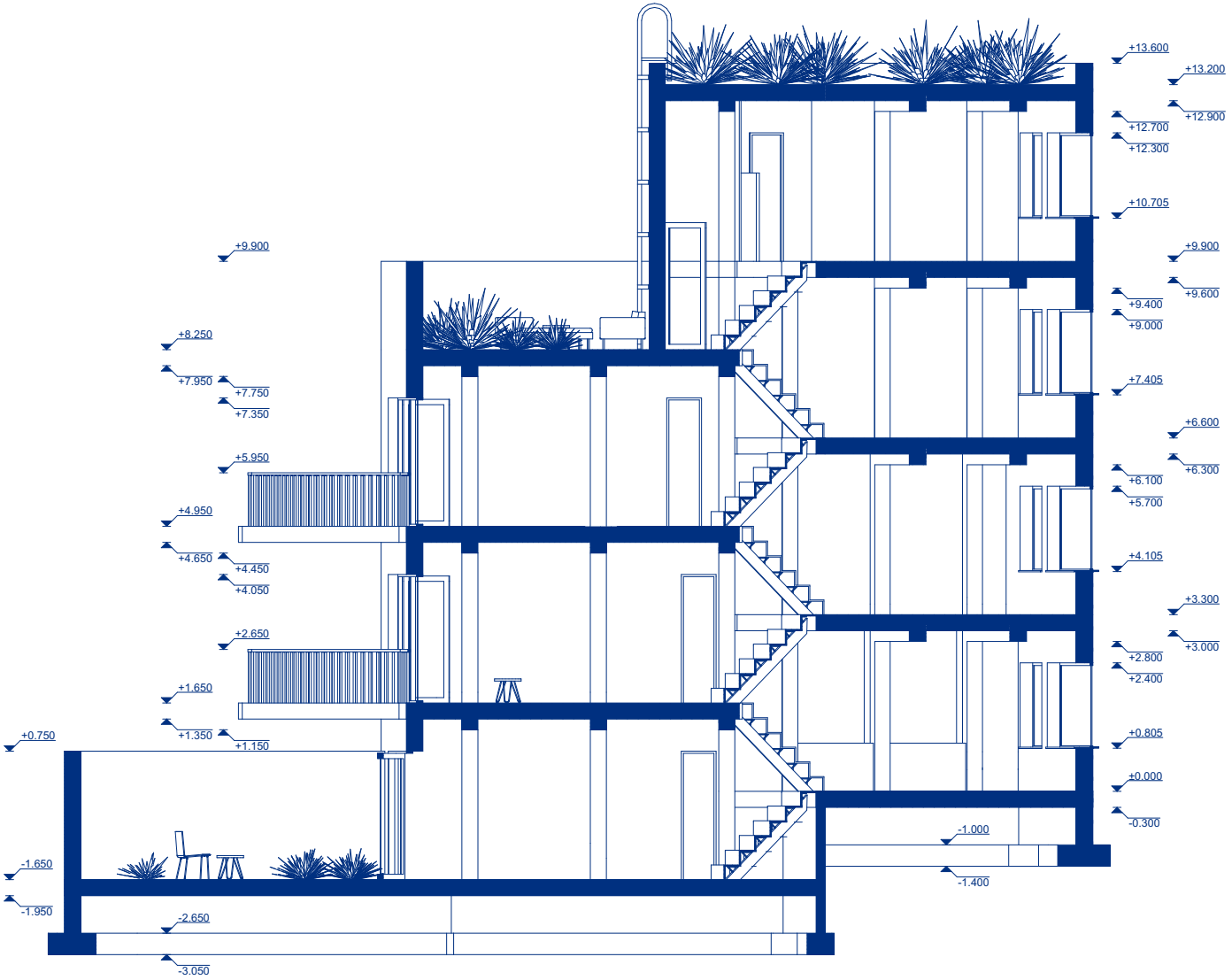




THIRD & FOURTH LEVELS
FIFTH & SIXTH LEVELS
ROOF LEVEL



SECTION 1-1


+13.600
+13.200
+12.900
+12.700
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+10.705
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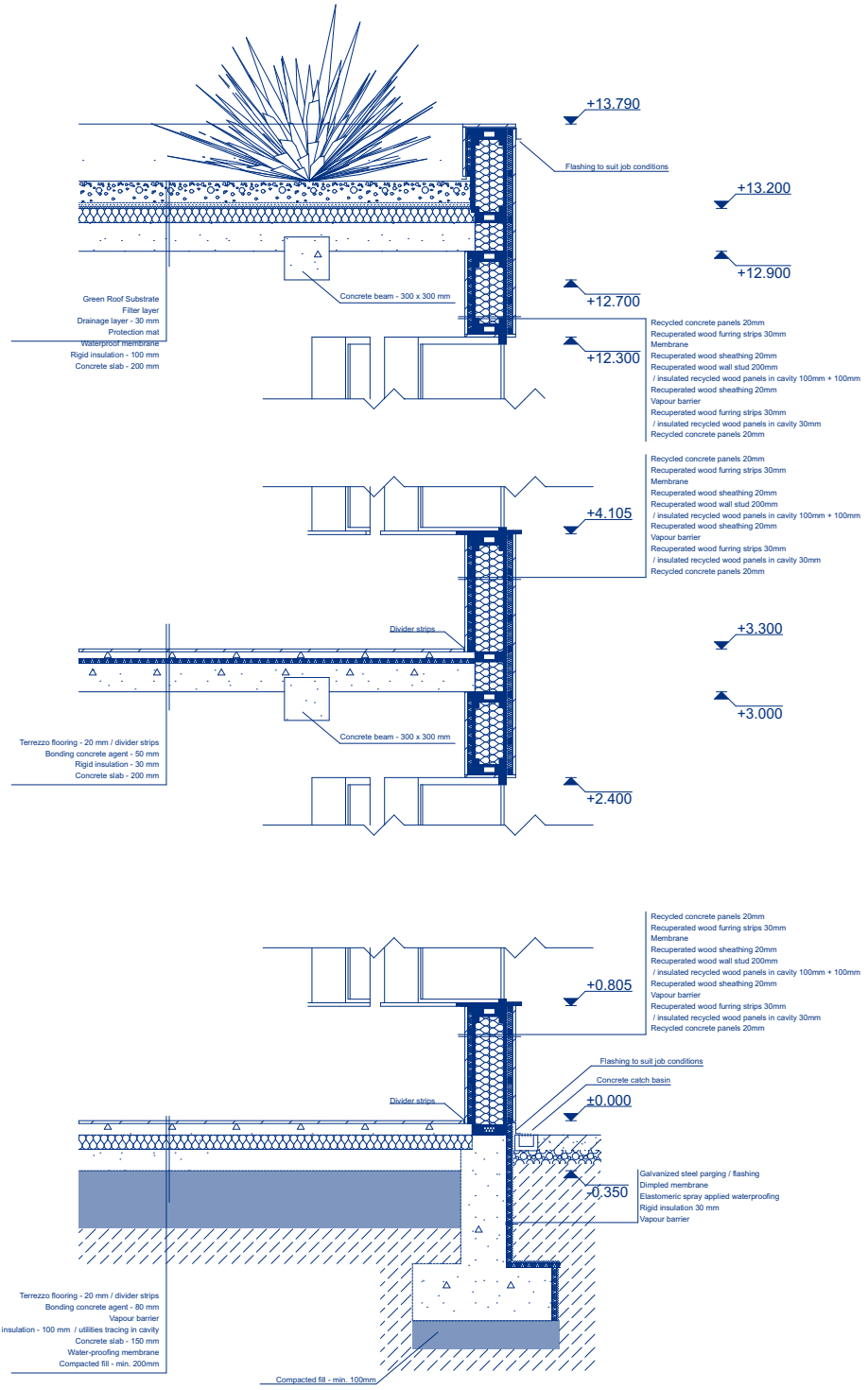
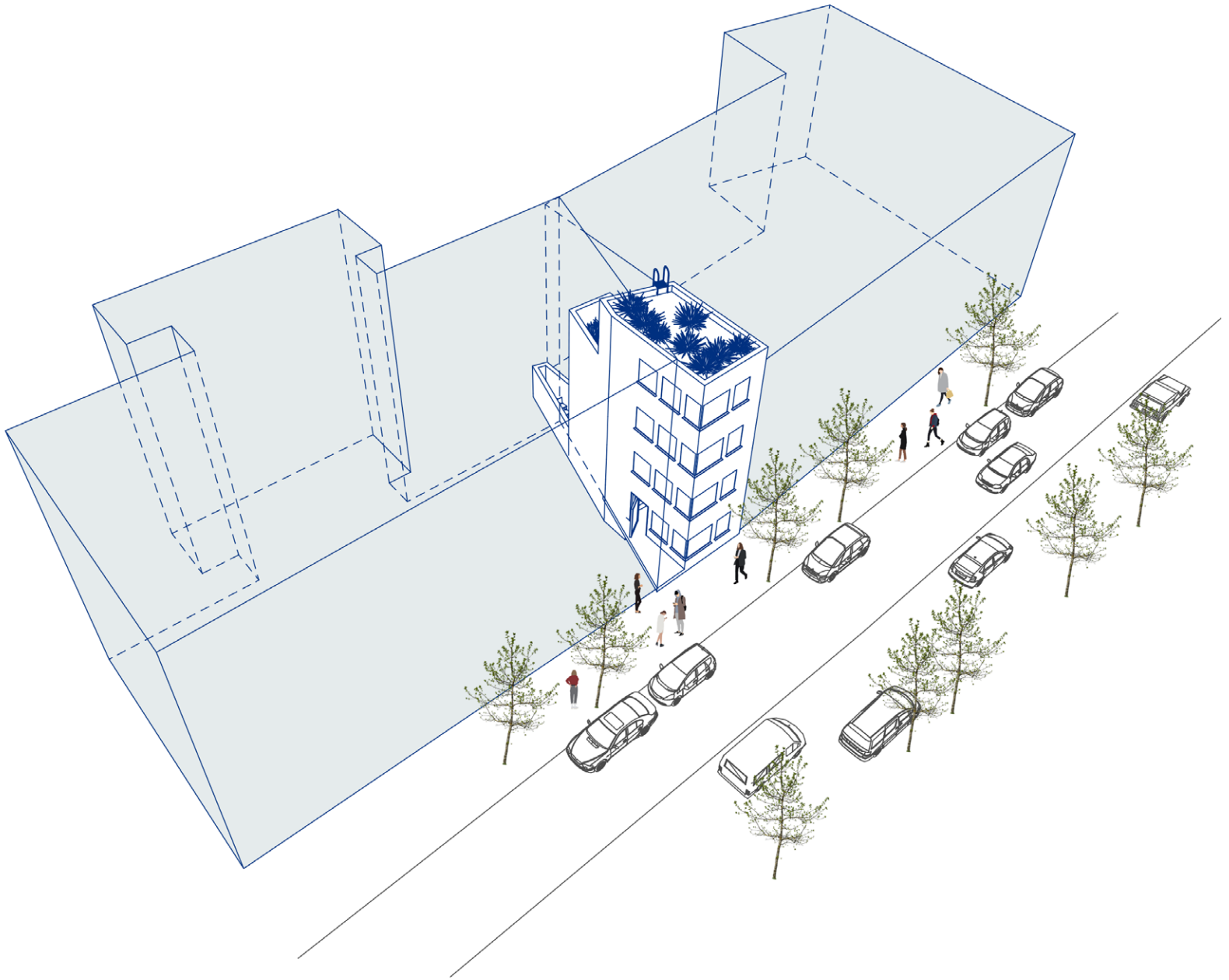
+8.250
+7.950
+7.750
+7.350
+7.405
+6.600
+6.300
+6.100
+5.700
+5.950
+4.950
+4.650
+4.450
+4.050
+4.105
+3.300
+3.000
+2.800
+2.400
+2.650
+1.650
+1.350
+1.150
+0.805
+0.750
+0.000
-0.300
-1.000
-1.400
-1.650
-1.950
-2.650
-3.050

DETAILED SECTION OF EXTERIOR WALL



SKETCH OF THE INSERT IN THE ENVIRONMENT



STREETVIEW IMAGE

STREET ELEVATION