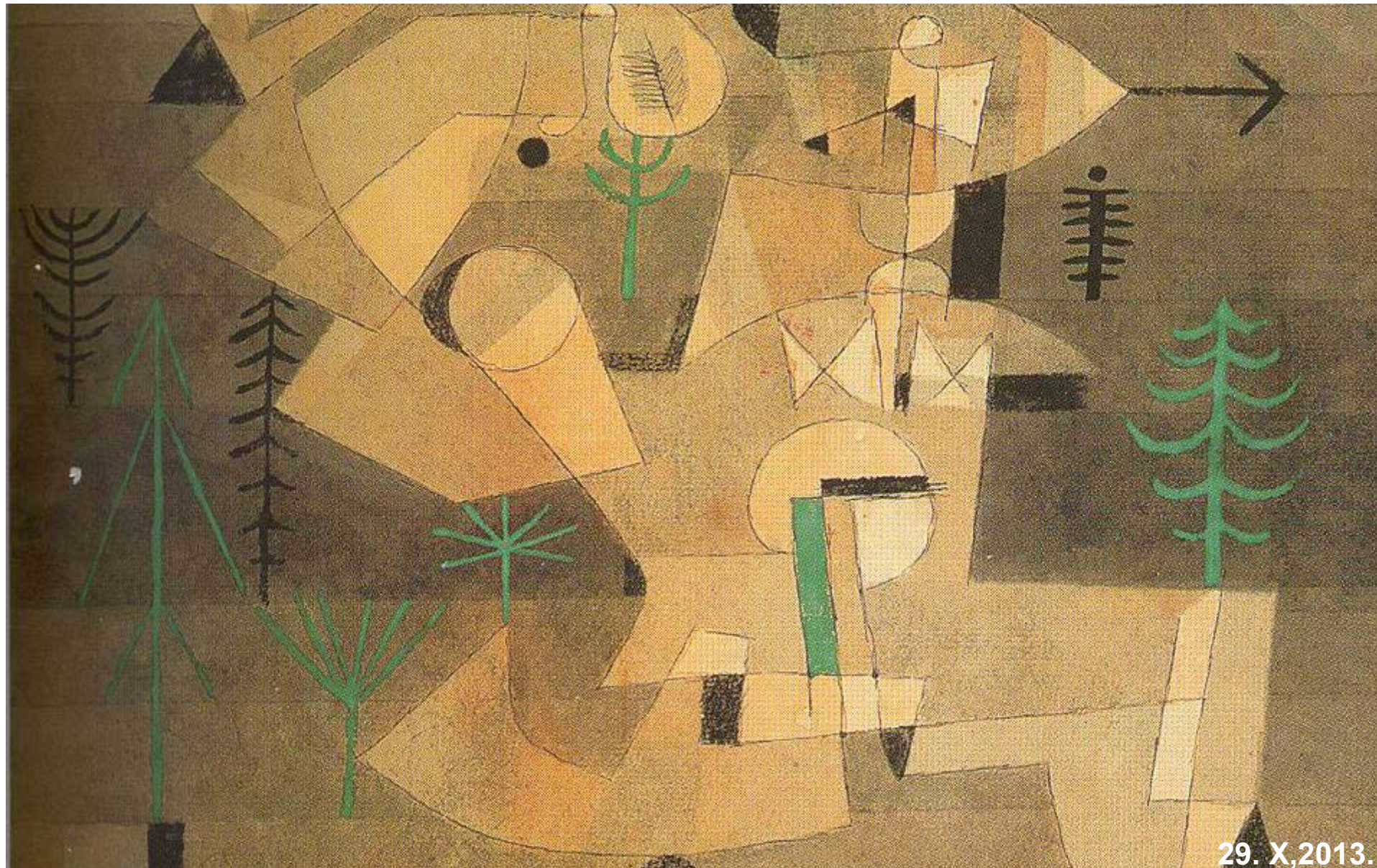


## ORGANIZACIJA PARCELE

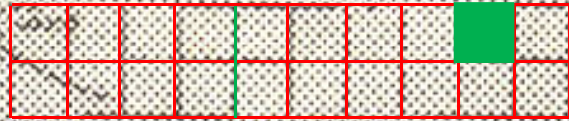
veličina, oblik, situiranje, orijentacija, odnos kuće i parcele, veza interijer/eksterijer



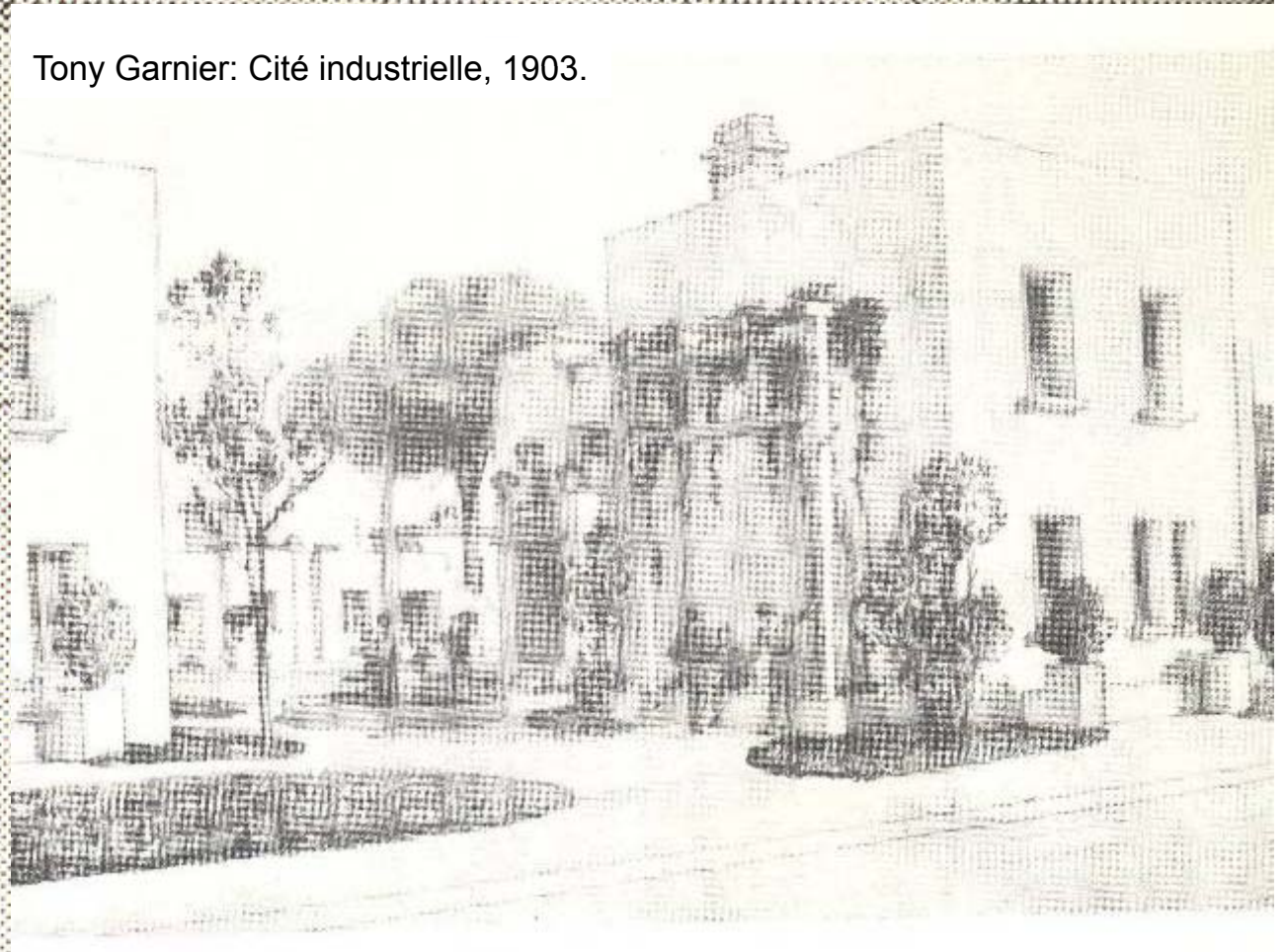
29. X, 2013.

+2.sat- FLOATING HOUSE (kuće na vodenoj parceli) - gost: prof. Teufik Galijašević

**15x15=225m<sup>2</sup>**



Tony Garnier: Cité industrielle, 1903.



1 acre = 4046,86 m<sup>2</sup>

1 jutro = 5754,64 m<sup>2</sup>

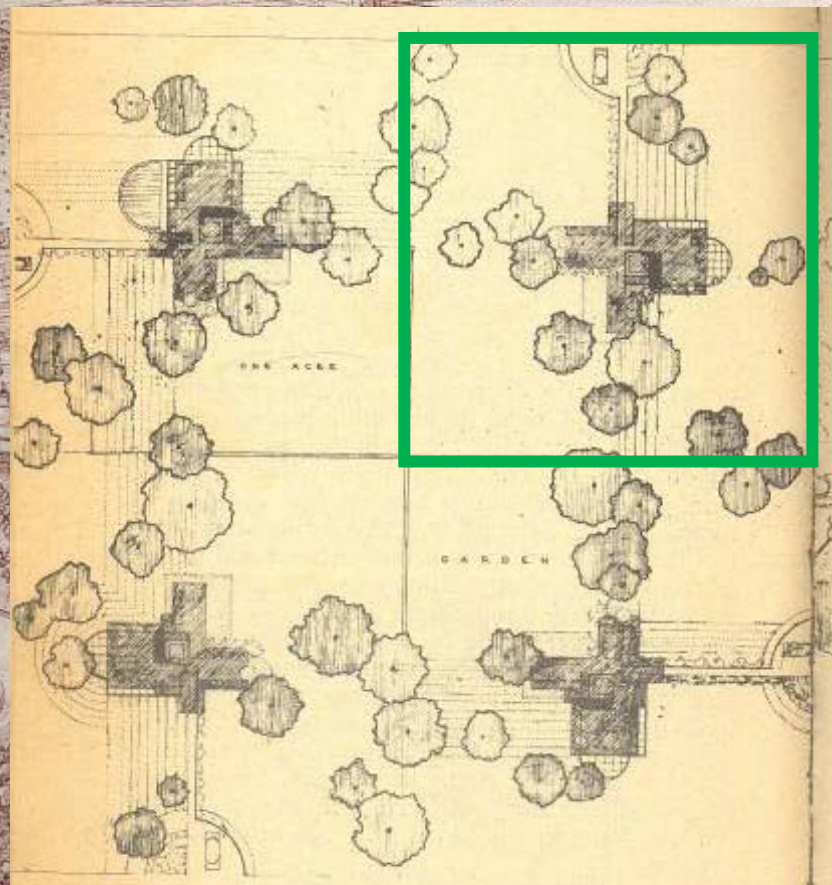
1 čvh = 3,6 m<sup>2</sup>

trogirski vrit (vreteno) iznosio je 773,66 m<sup>2</sup>

splitski vrit (vreteno) iznosio je 853,13 m<sup>2</sup>

splitski i trogirski vrit se djelio na rozge , 1 vrit = 144 rozge

(63,61 m)

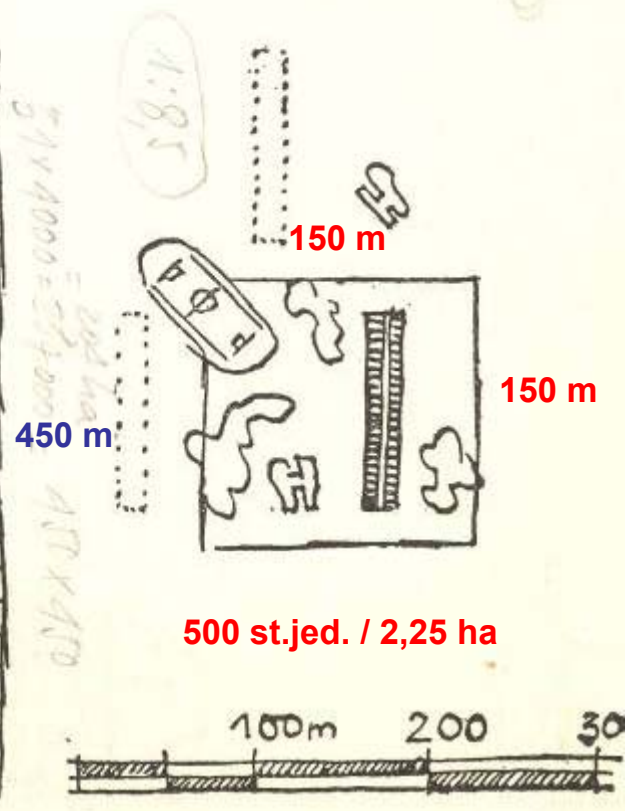
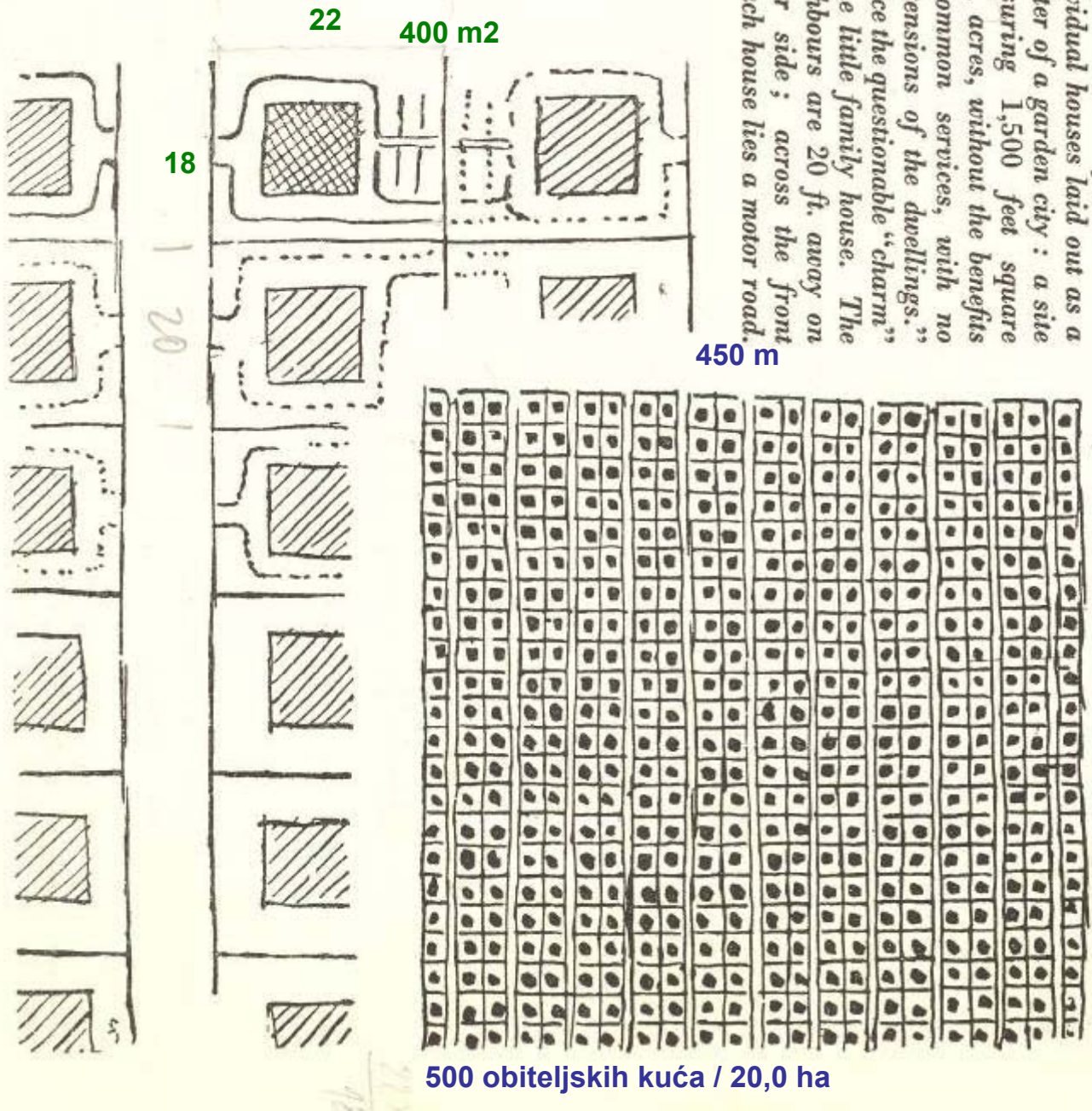


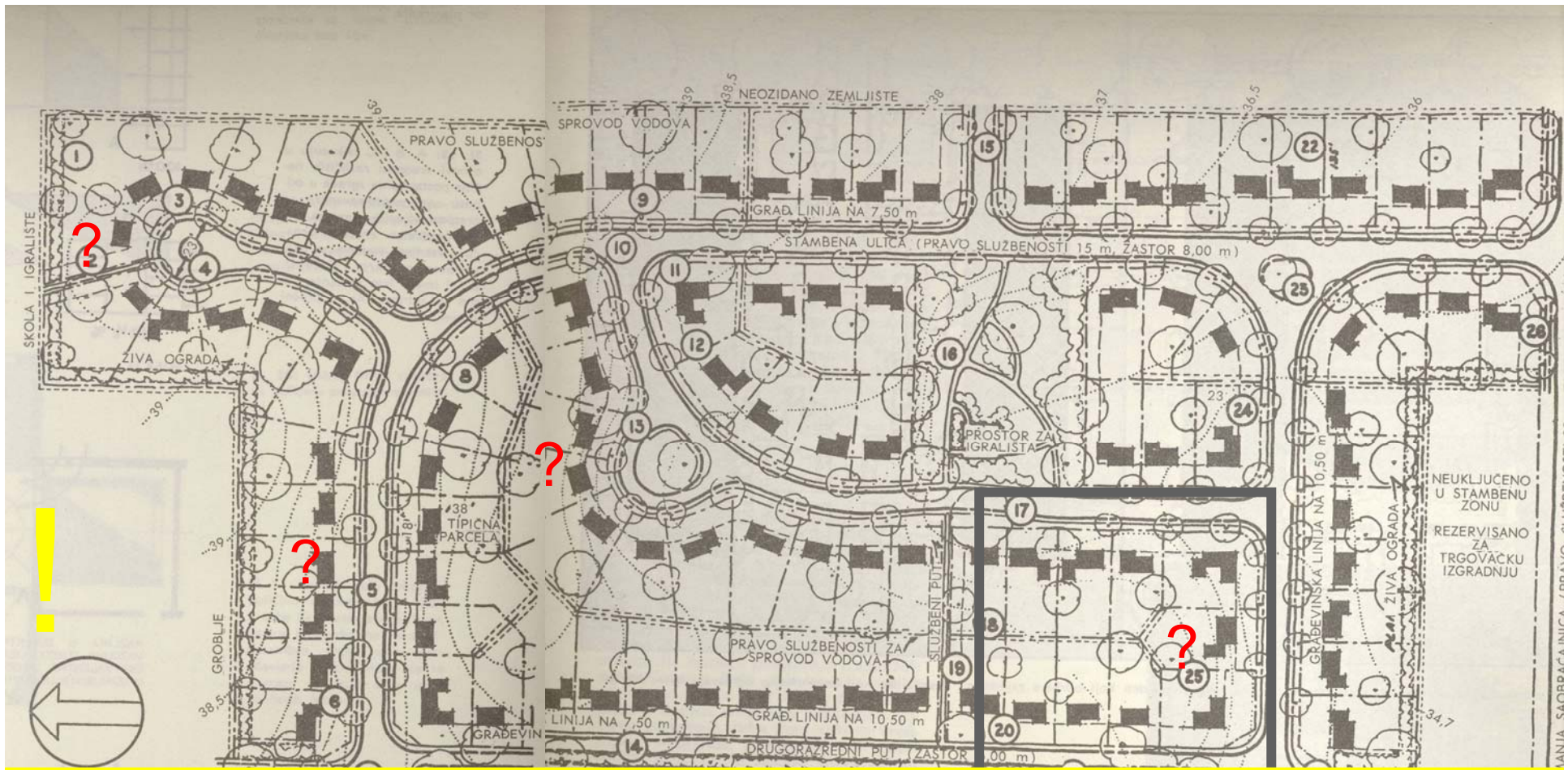
(63,61m)

# Le Corbusier, analiza: niska stambena izgradnja - višestambeno stanovanje

in a unit. Here is a high build-  
 ing equipped with "common  
 services" and comprising 500  
 dwellings.  
 A site of 500 feet square  
 acres; sport at the foot  
 of the dwelling; vast spaces  
 before every window of each  
 dwelling, a great alleviation of  
 the endless tasks of the house-  
 wife; allotment gardens,  
 grouped and organised.

By contrast: five hundred  
 individual houses laid out as a  
 quarter of a garden city: a site  
 measuring 1,500 feet square  
 acres, without the benefits  
 of common services, with no  
 "extensions of the dwellings."  
 Notice the questionable "charm"  
 of the little family house. The  
 neighbours are 20 ft. away on  
 either side; across the front  
 of each house lies a motor road.





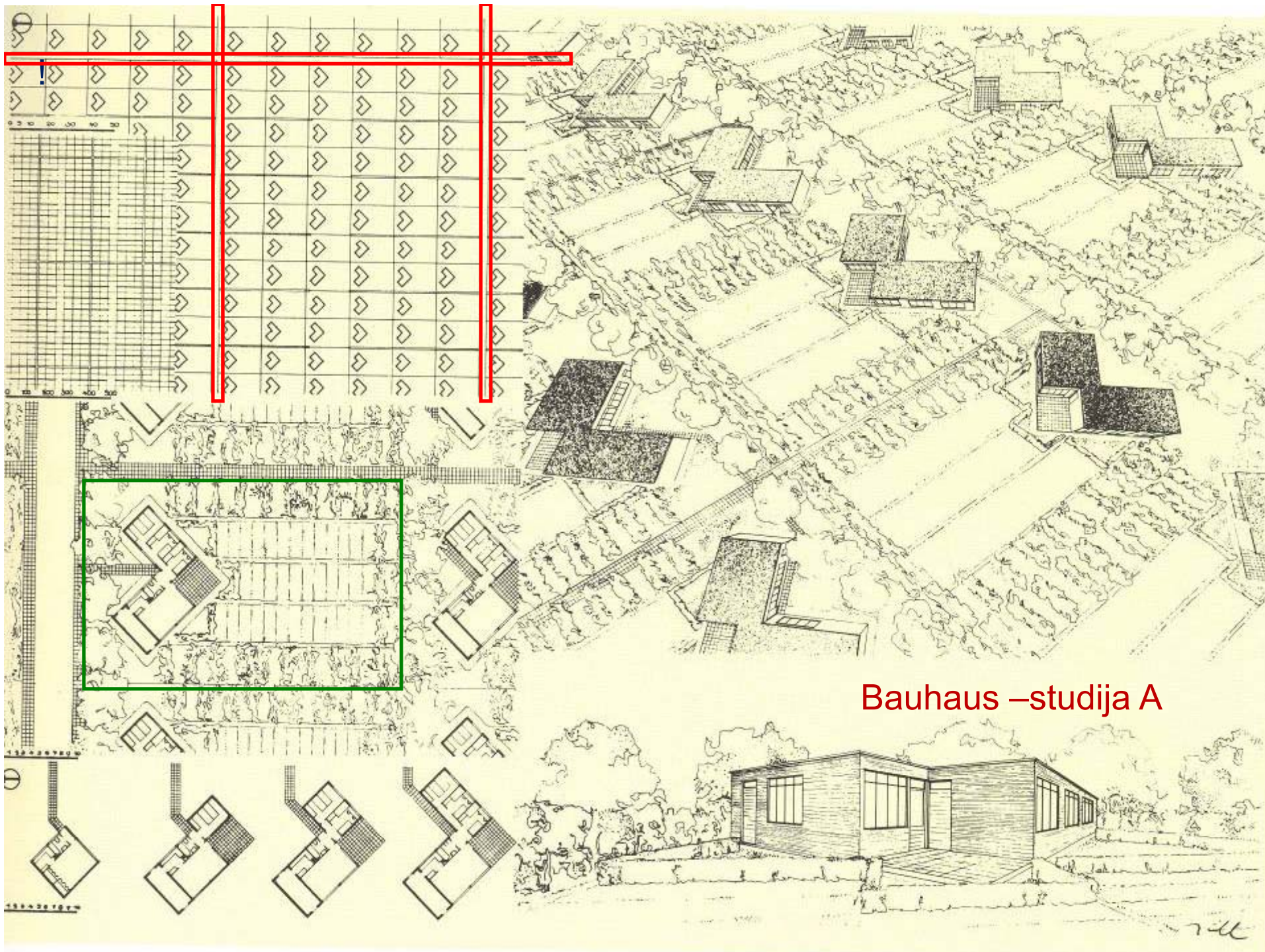
18x38=684m<sup>2</sup>



LEGENDA

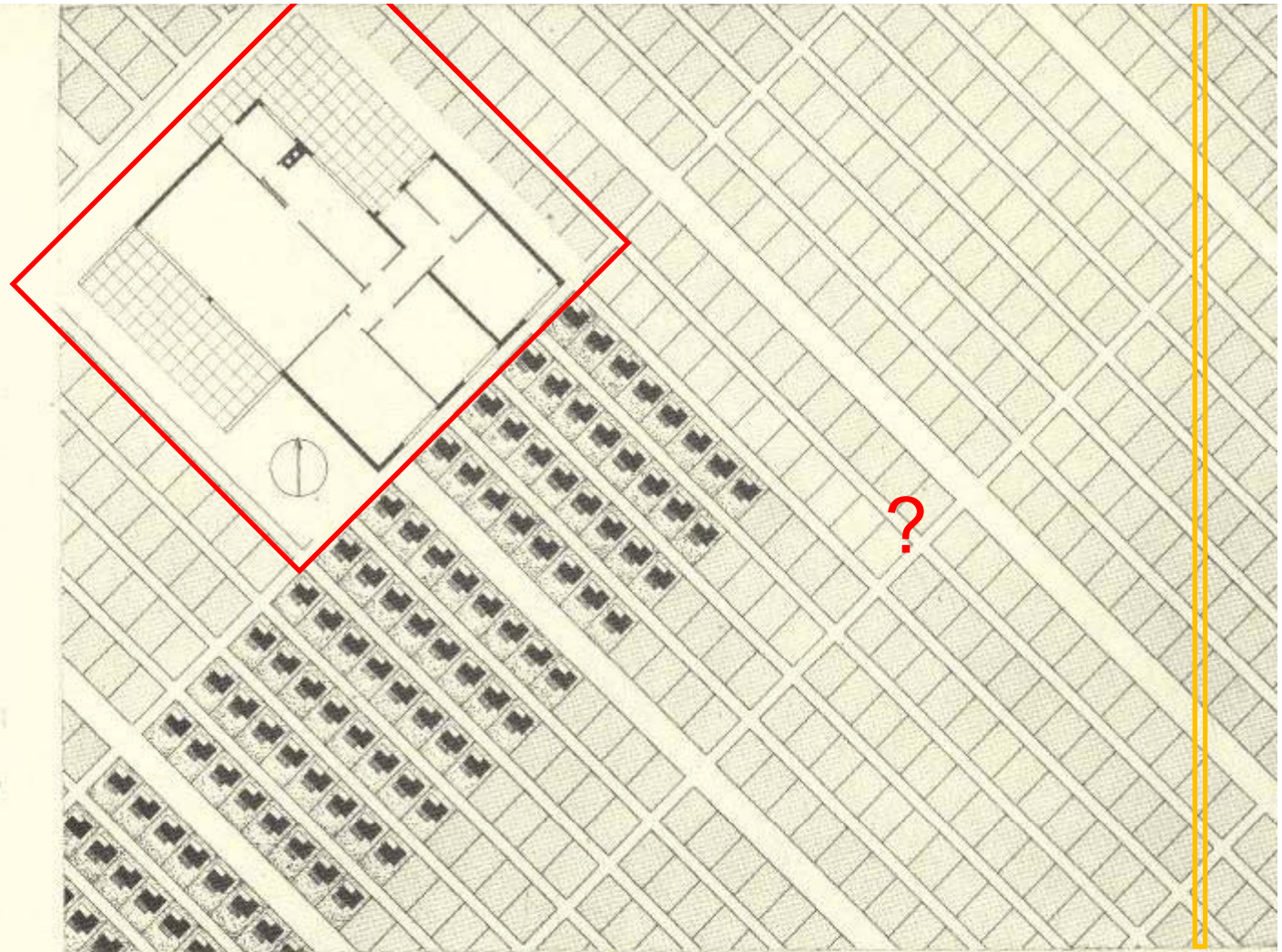
1. Pojas šir. 4,50 m za živu ogradu, radi zaštite od upotrebe koja nema veze sa naseljem.
2. Pravo službenosti šir. 3,00 m za prilaznu stazu školi.
3. Korišćenje zabačene parcele za slepu ulicu.
4. Serpentina sa pravom službenosti 30 m u prečniku.
5. Ulično drveće zasađeno na rastojanju od oko 15 m gde već ne postoji drveće.
6. Veće povlačenje zgrade od regulacione linije daje lepši izgled ulazu u osek naselja.
7. Presecanje ulica pod pravim uglom umanjuje opas-

9. Zgrade prema kraju jedne ulice malo jače uvučene radi smanjenja bleska od automobila.
10. Trokraka raskrsnica umanjuje opasnost.
11. Granica parcele zaobljene sa radijusom od 10 m na uglovima
12. Bočne granice porcela normalne na osu ulice
13. Pomoću lučne «obrve» dobija se veći front koji omogućava veći broj parcela u dubljim delovima bloka.
14. Drugorazredni put umanjuje opasnost pri ulazu u veću saobraćajnicu iz pojedinih parcela.
15. Rezervisan prostor za prilaz zemljištu koje je zasada neozidano.
16. Zajednički park blizu centra naselja. Susedne par-



Bauhaus -studija A

die beste form ist naturgemäss  
das freistehende haus. es erfordert  
aber erheblich mehr strassen und  
leitungskosten, es erlaubt dafür  
aber auch eine vollkommene freilegung  
des grundrisses und auch bei einer  
entsprechenden orientierung eine  
maximale besonnung u. eine völlige  
isolierung. es liess sich jedoch  
denken dass diese mehrkosten an  
strassen und leitungen durch eine  
vollkommene überstrahlisierung eines  
solchen freistehenden typs ausgeglichen  
werden da gerade ein freistehender typ,  
der auf den zusammenbau mit anderen  
häusern keine rücksicht zu nehmen hat  
sich für eine umfassende industrieli-  
sierung ganz besonders eignet. eine auf-  
gabe für die allerdings noch der fond!  
des rechnungsbaus gefunden werden muss.

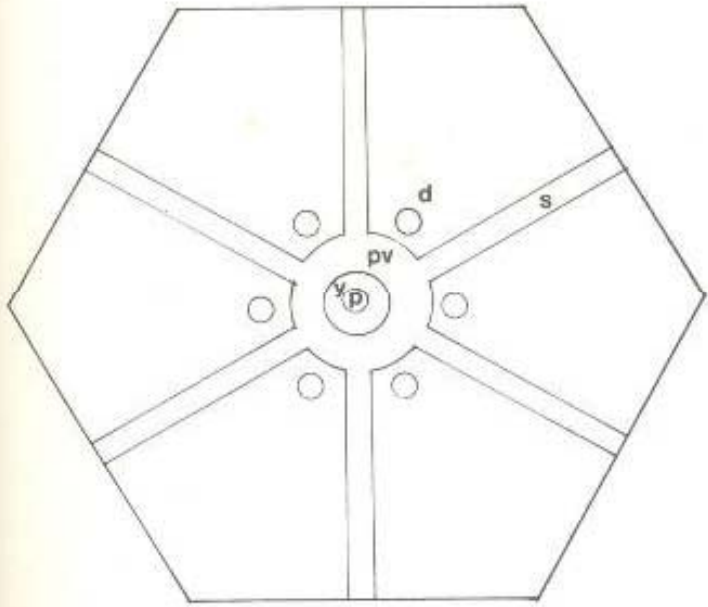


## freistehendes einfamilienhaus.

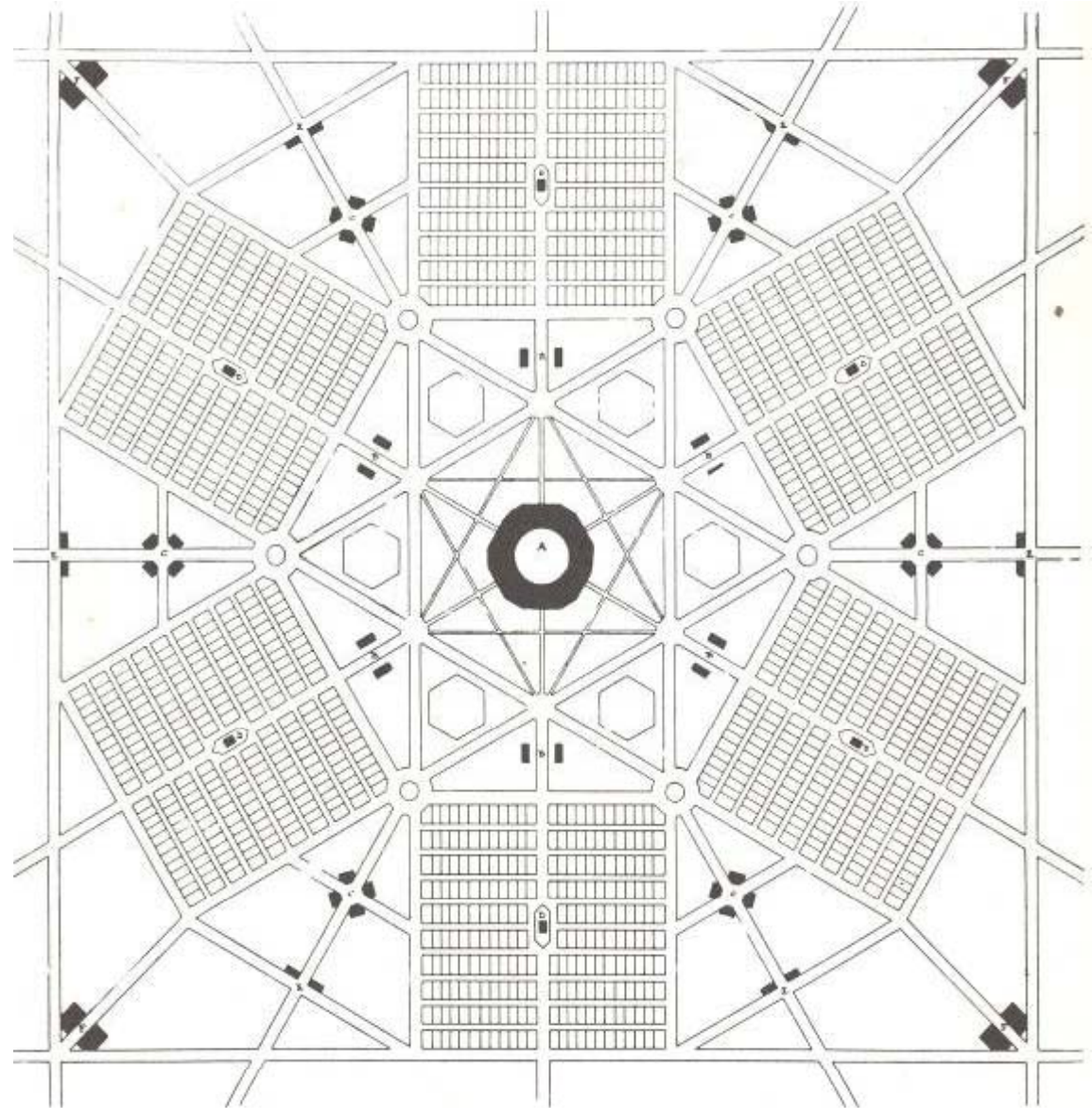
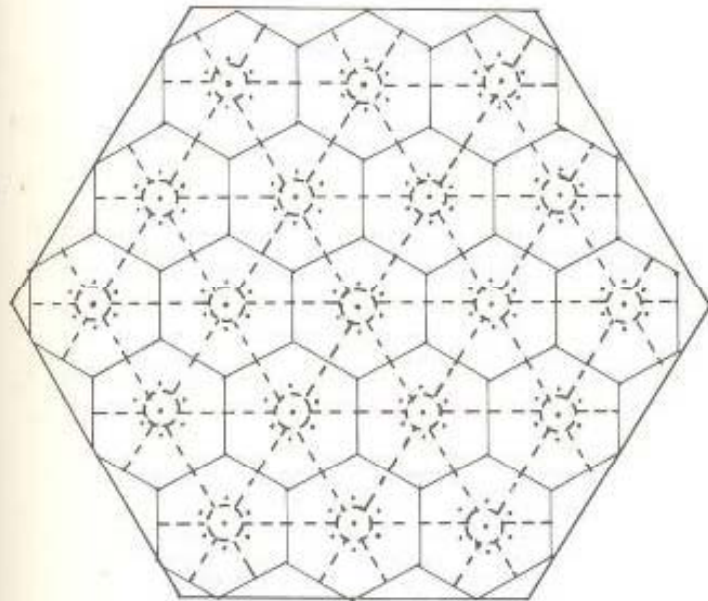
für 6 personen 72 qm. treppenlos.

100 personen pro hectar.

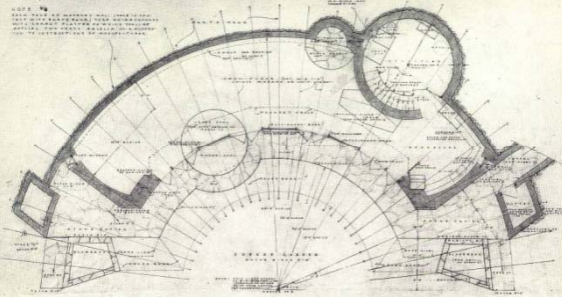
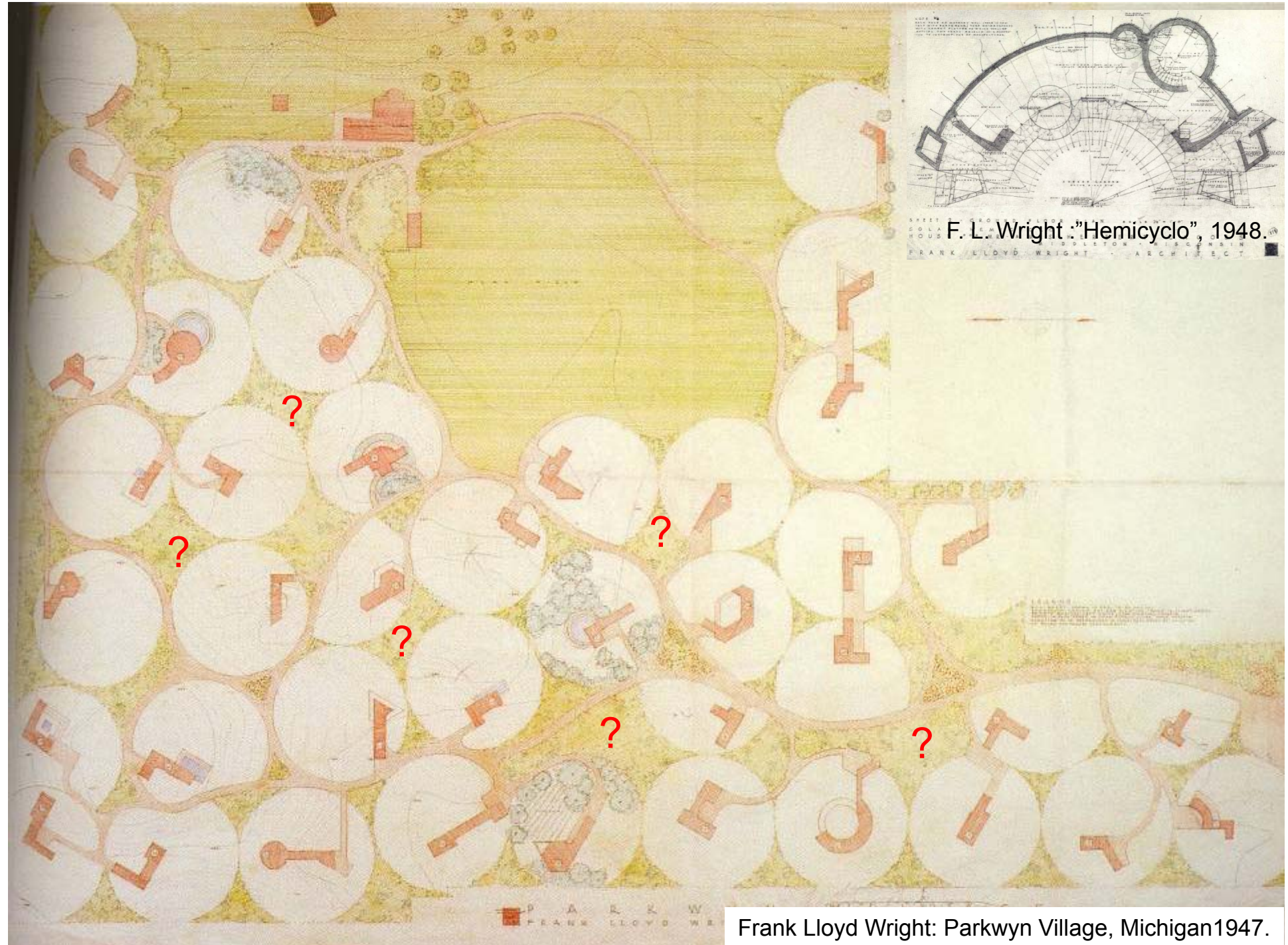
Bauhaus studija-B



Hexagonal grid, USA, 1873.

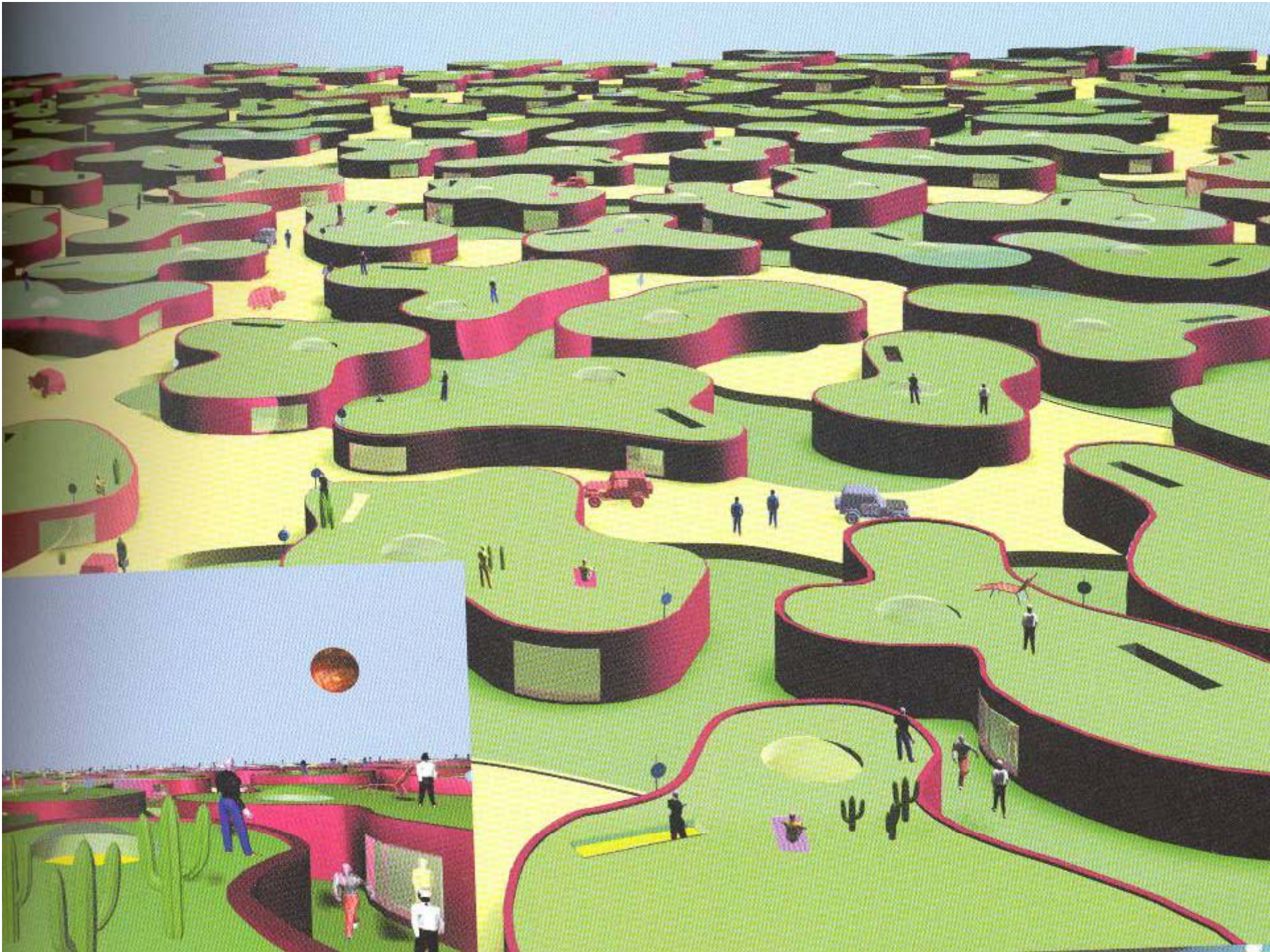


Plan for the city of Llano, USA, 1915.

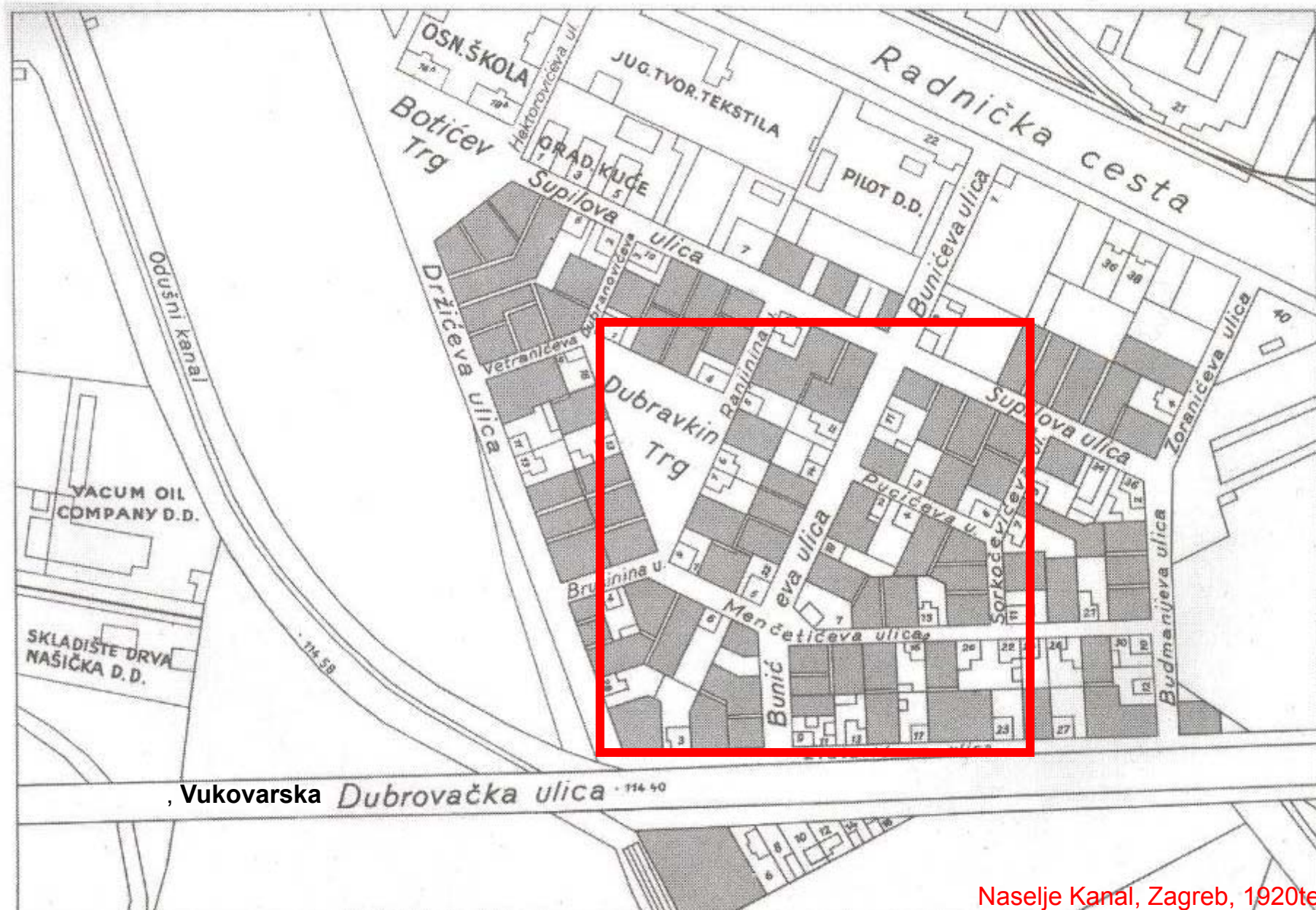


F. L. Wright : "Hemicyclo", 1948.  
FRANK LLOYD WRIGHT ARCHITECT

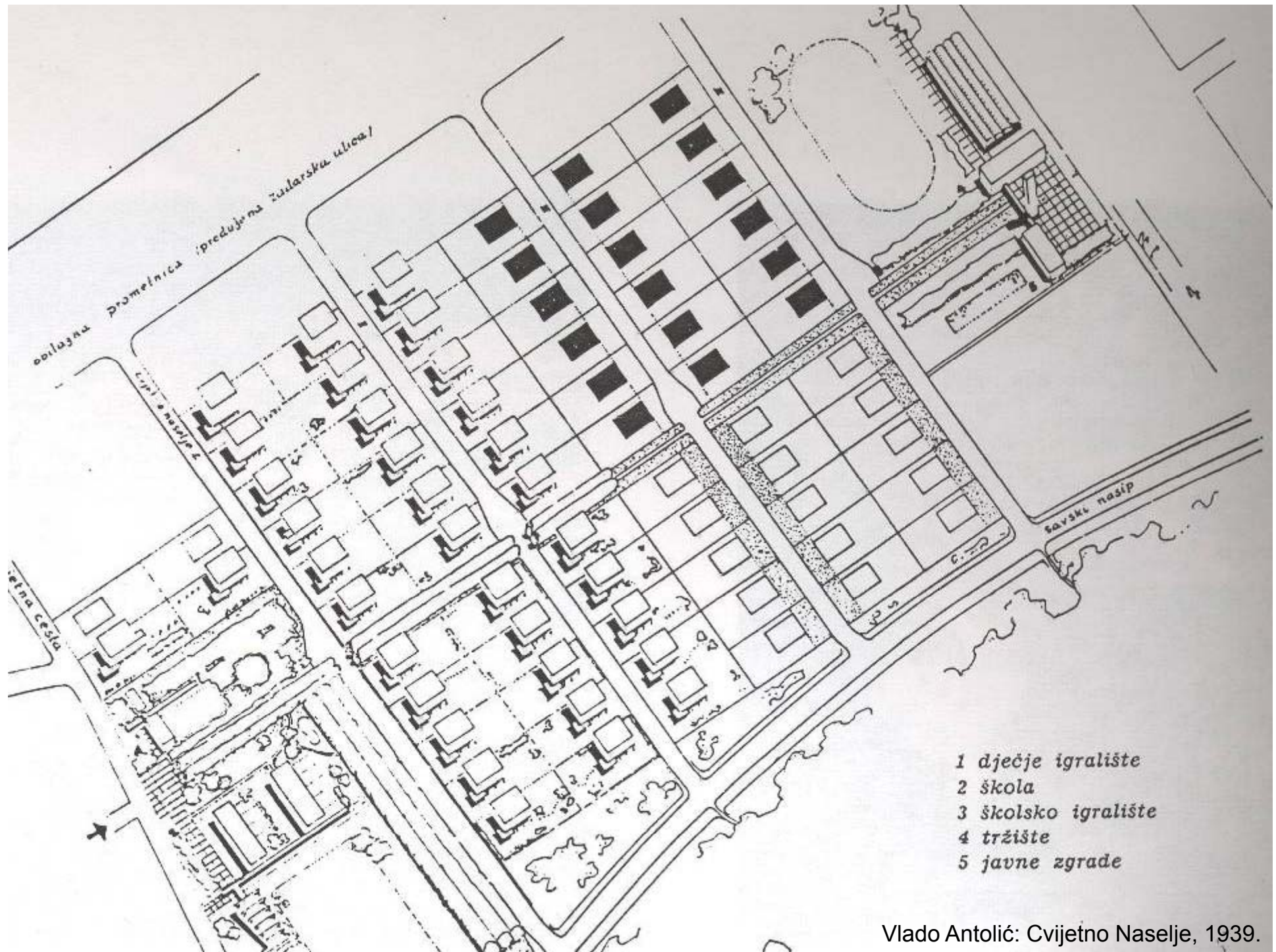
Frank Lloyd Wright: Parkwyn Village, Michigan 1947.



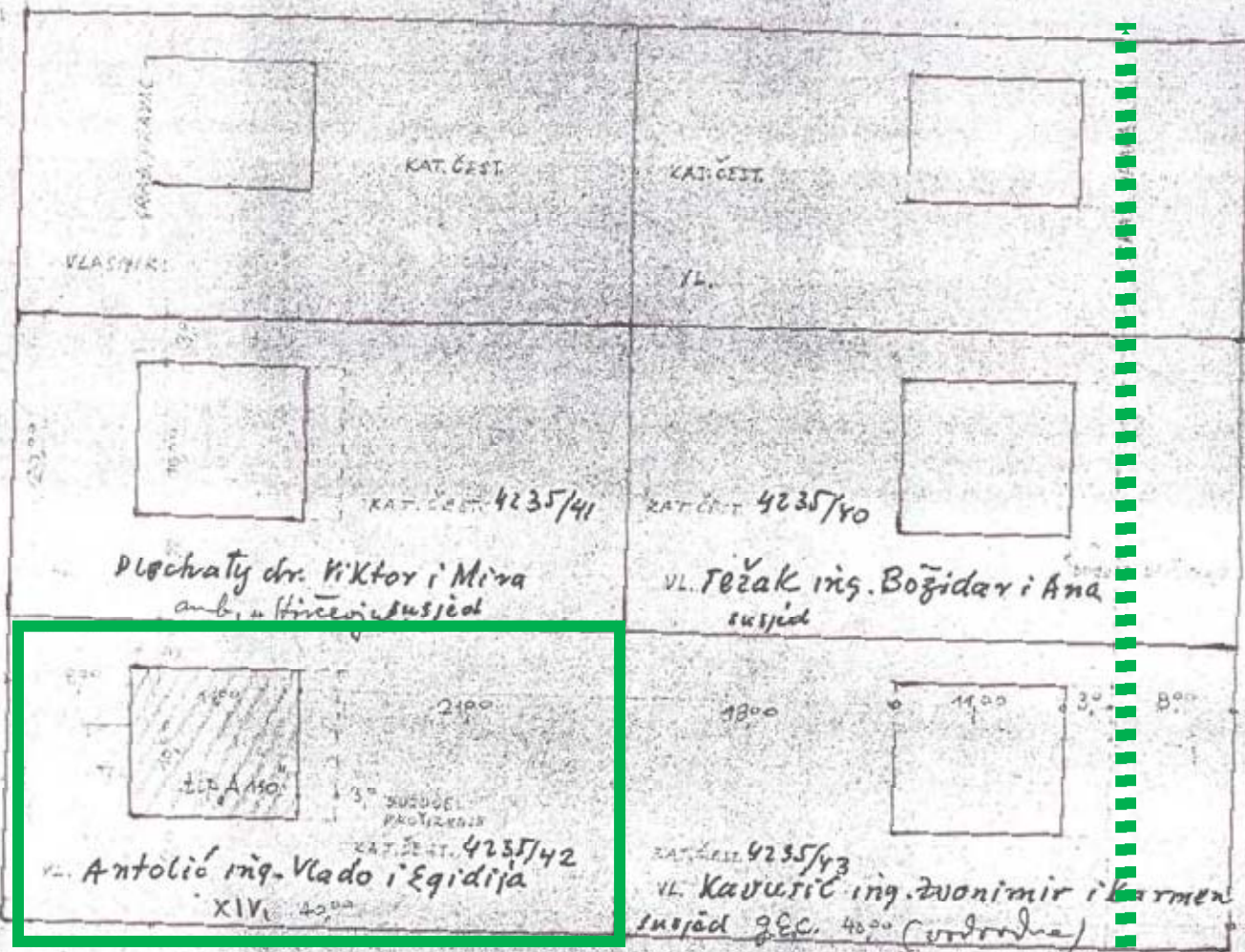
građevinski pravac/crta = regulacijska linija/crta



Naselje Kanal, Zagreb, 1920te



Vlado Antolić: Cvjetno Naselje, 1939.



veličina parcele 20x40 m = 800 m<sup>2</sup>

DJEVNO PODUZEĆE  
OŽO SUPERINA  
ZAGREB

SITUACIJA 1:500

SVLAS  
PAVA  
Karmen P.

Vlado Antolić: Cvijetno Naselje, 1939.

# HOTO VILLE



map  
of settlement

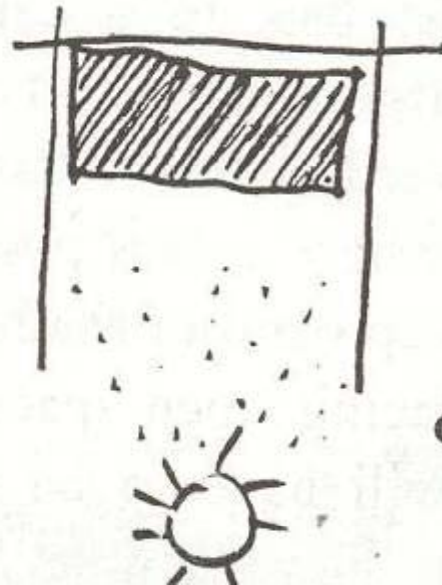


PARCELA = 16x25m  
koeficijent iskoristivosti = 1  
koeficijent izgrađenosti = 0,3

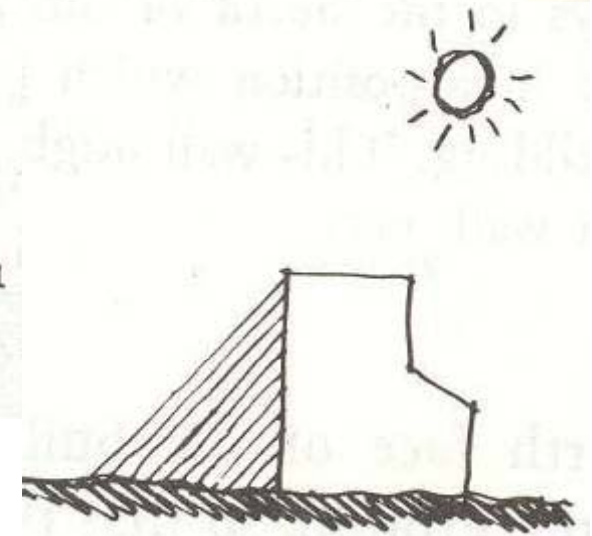


Always place buildings to the north of the outdoor spaces that go with them, and keep the outdoor spaces to the south. Never leave a deep band of shade between the building and the sunny part of the outdoors.

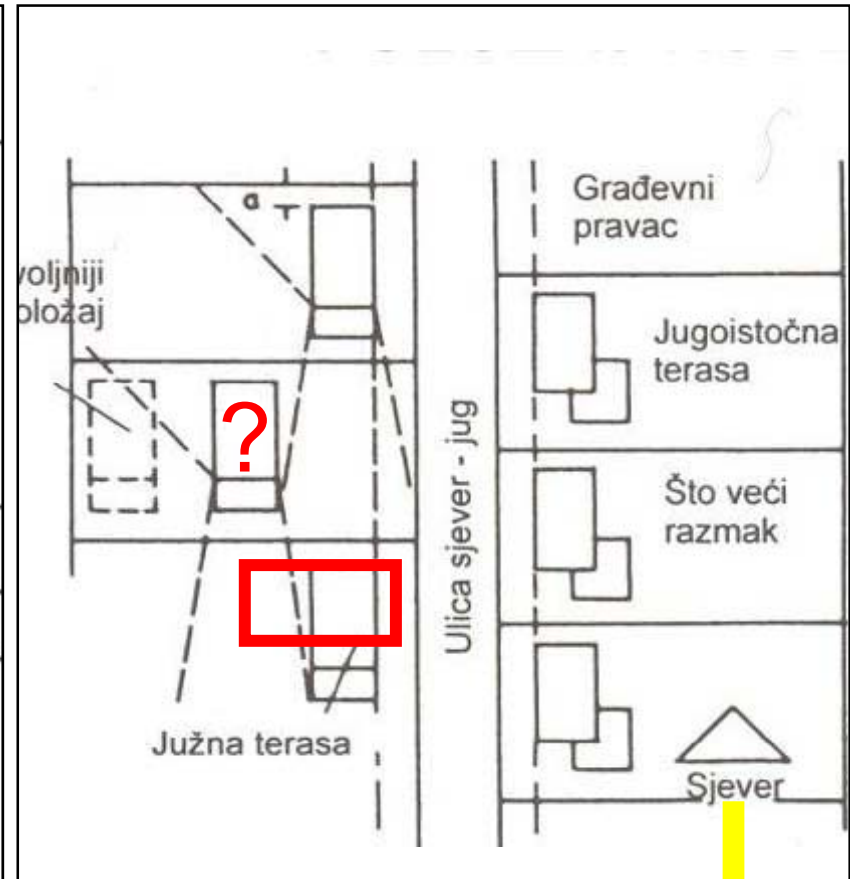
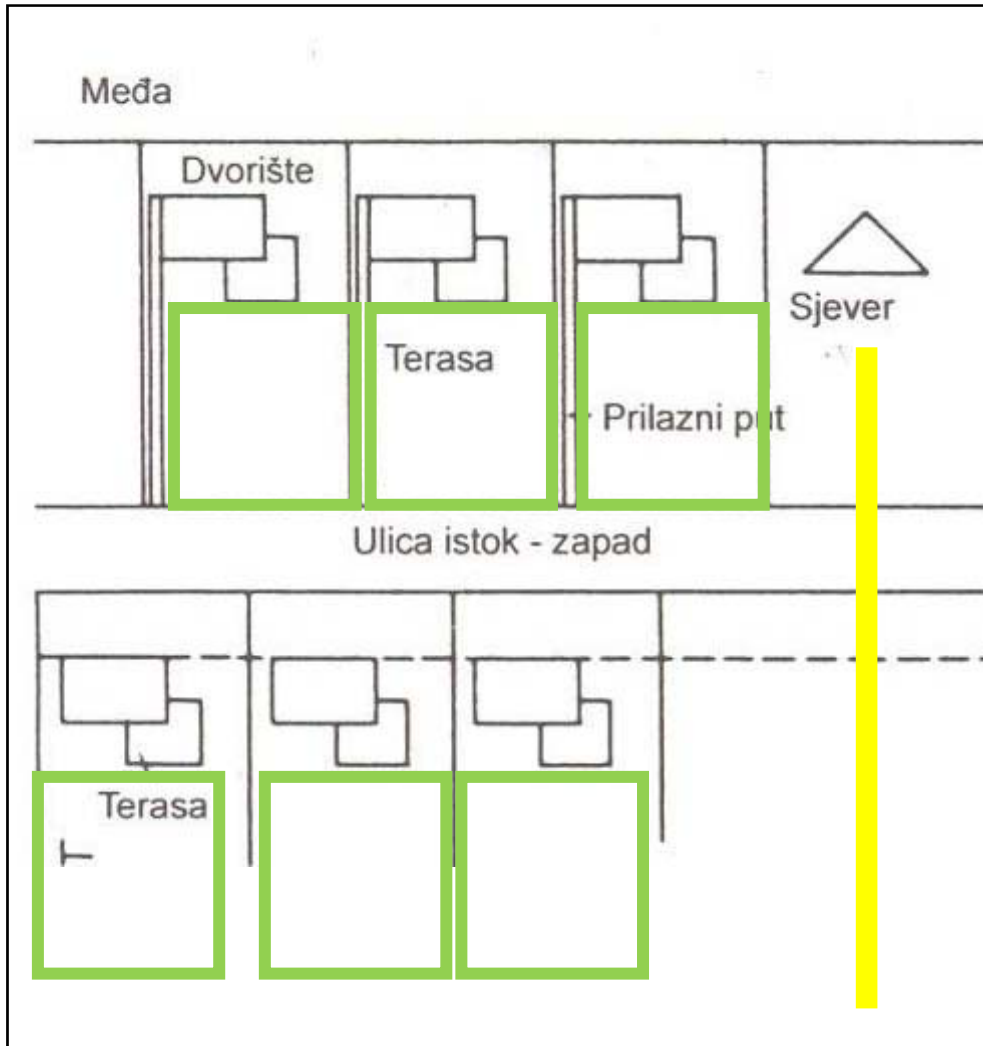
building to the north

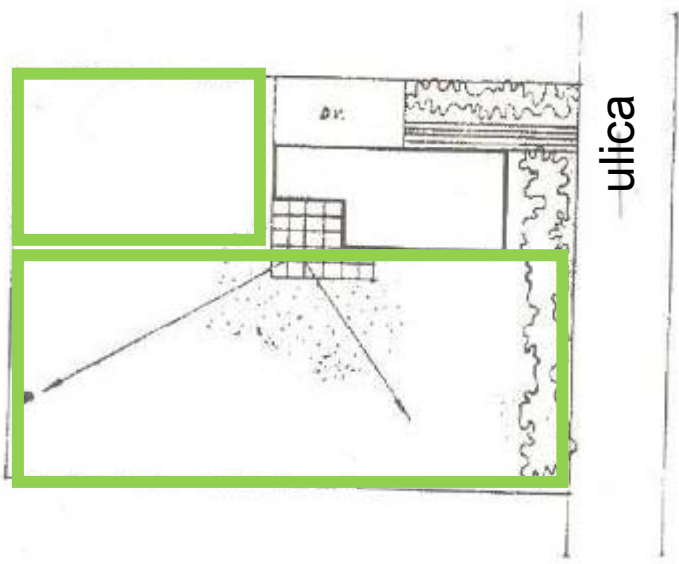
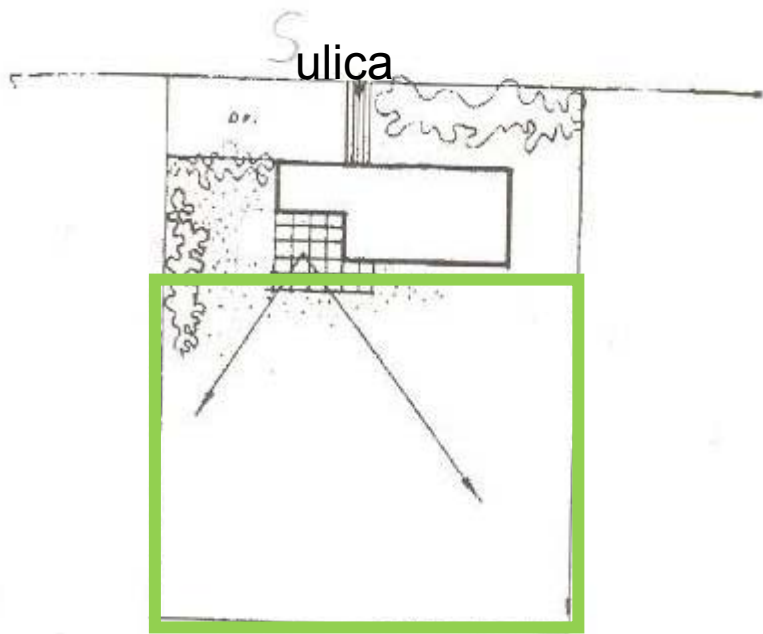


outdoors south

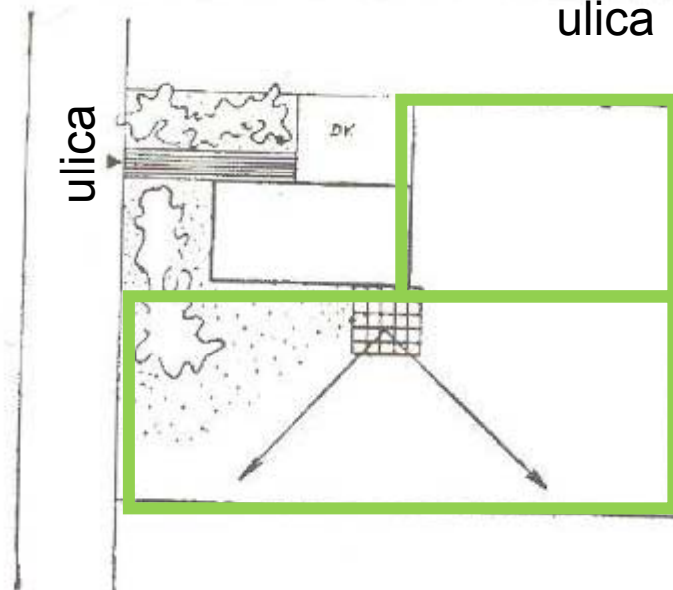
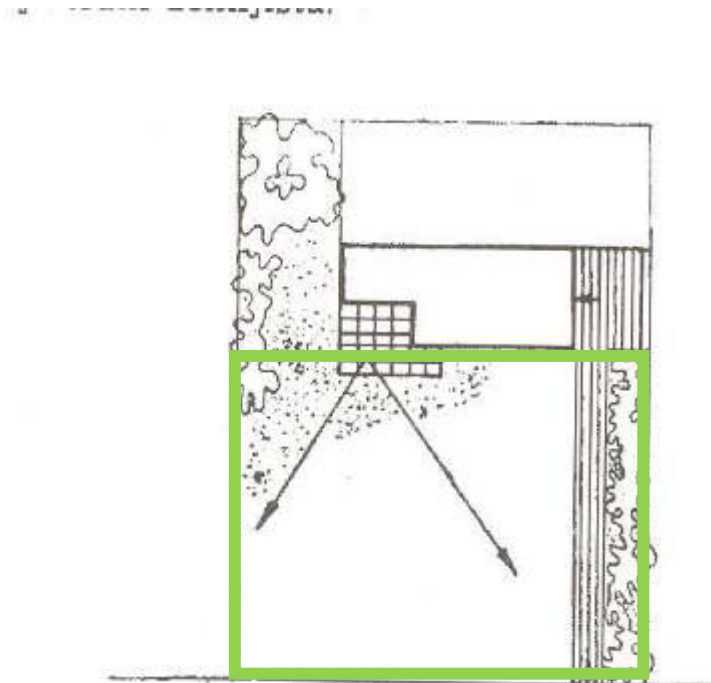


**Neufert:**





S



Zdenko Strižić: postava kuće na parceli



3 (4) P =

park (planirano kultivirani vrt na parceli)

priroda (zatečeni i očuvani teren)

poljoprivreda (gospodarski vrt)

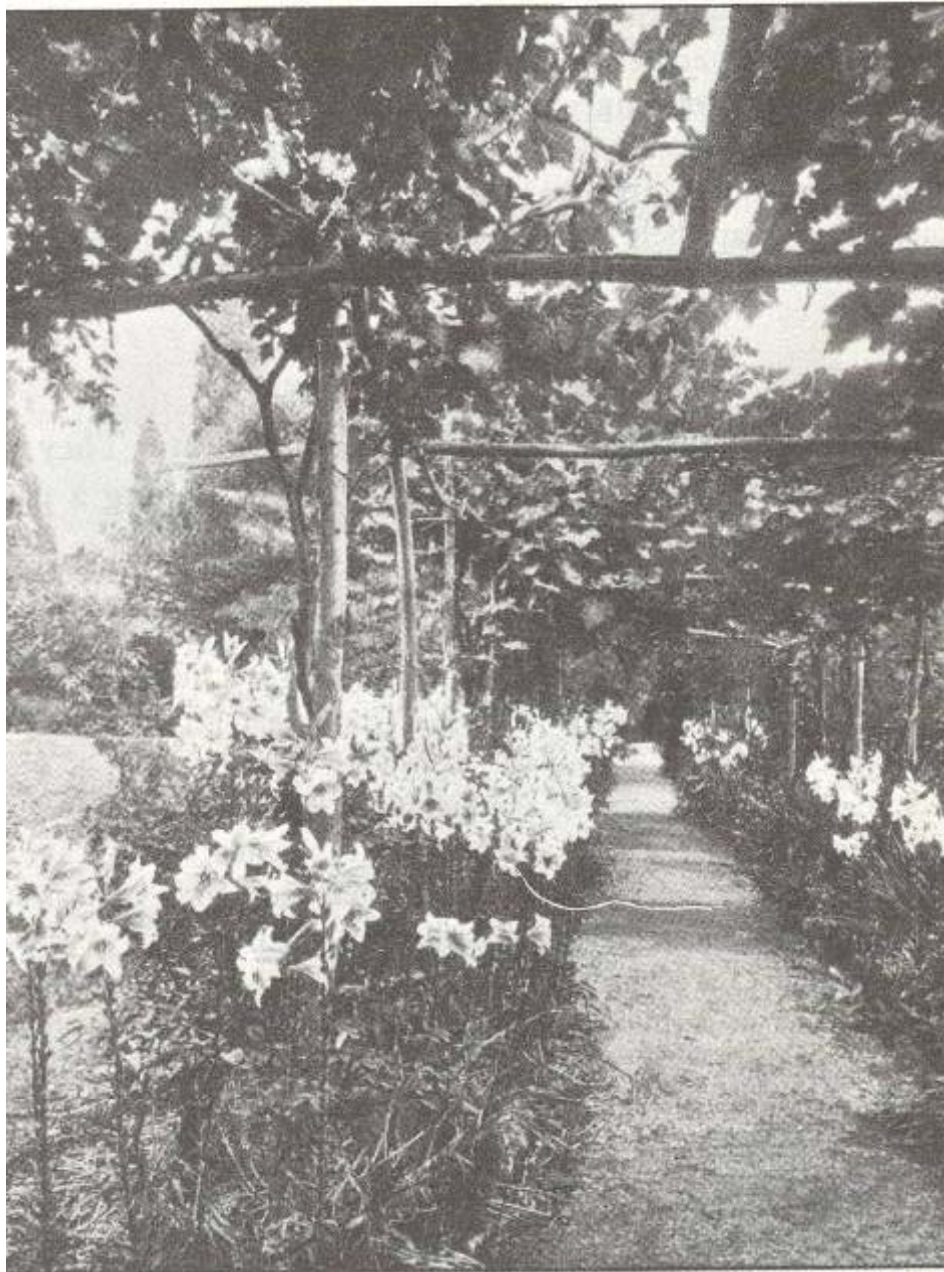
---

(+ parkiralište – smještaj automobila)

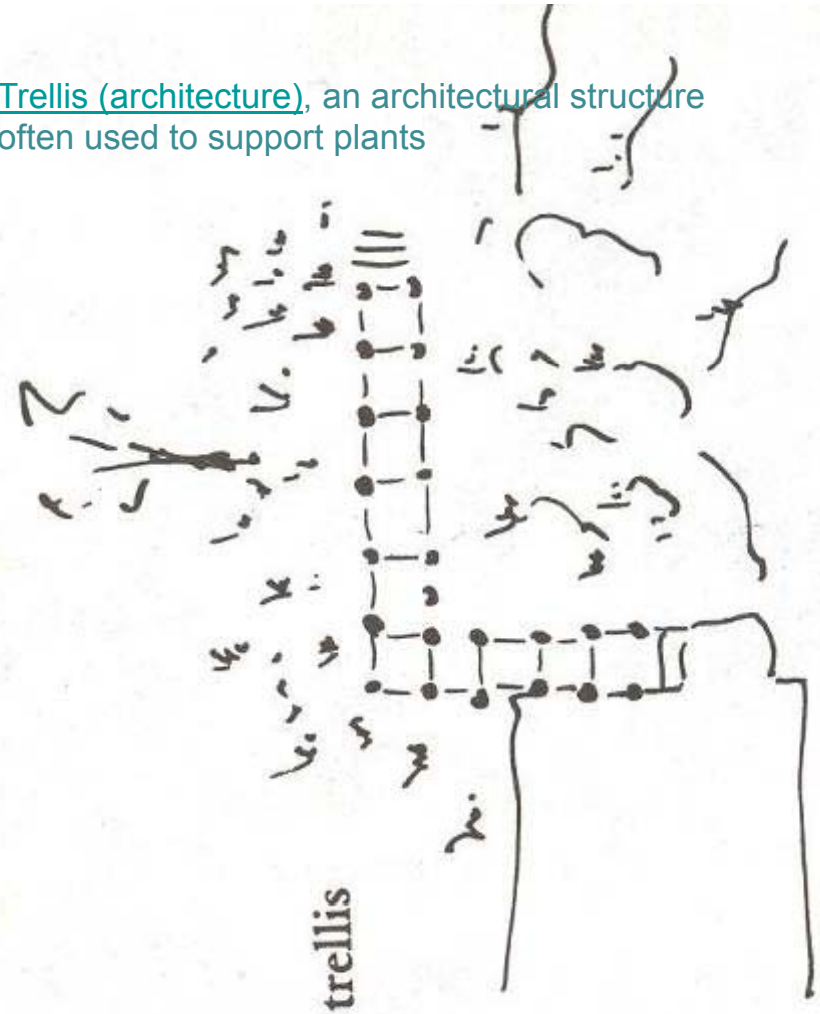
Paul Klee, Plan for a Garden, 1922.

# I74 TRELLISED WALK \*\*

Ch. Alexander : Pattern Language, #174



Trellis (architecture), an architectural structure often used to support plants

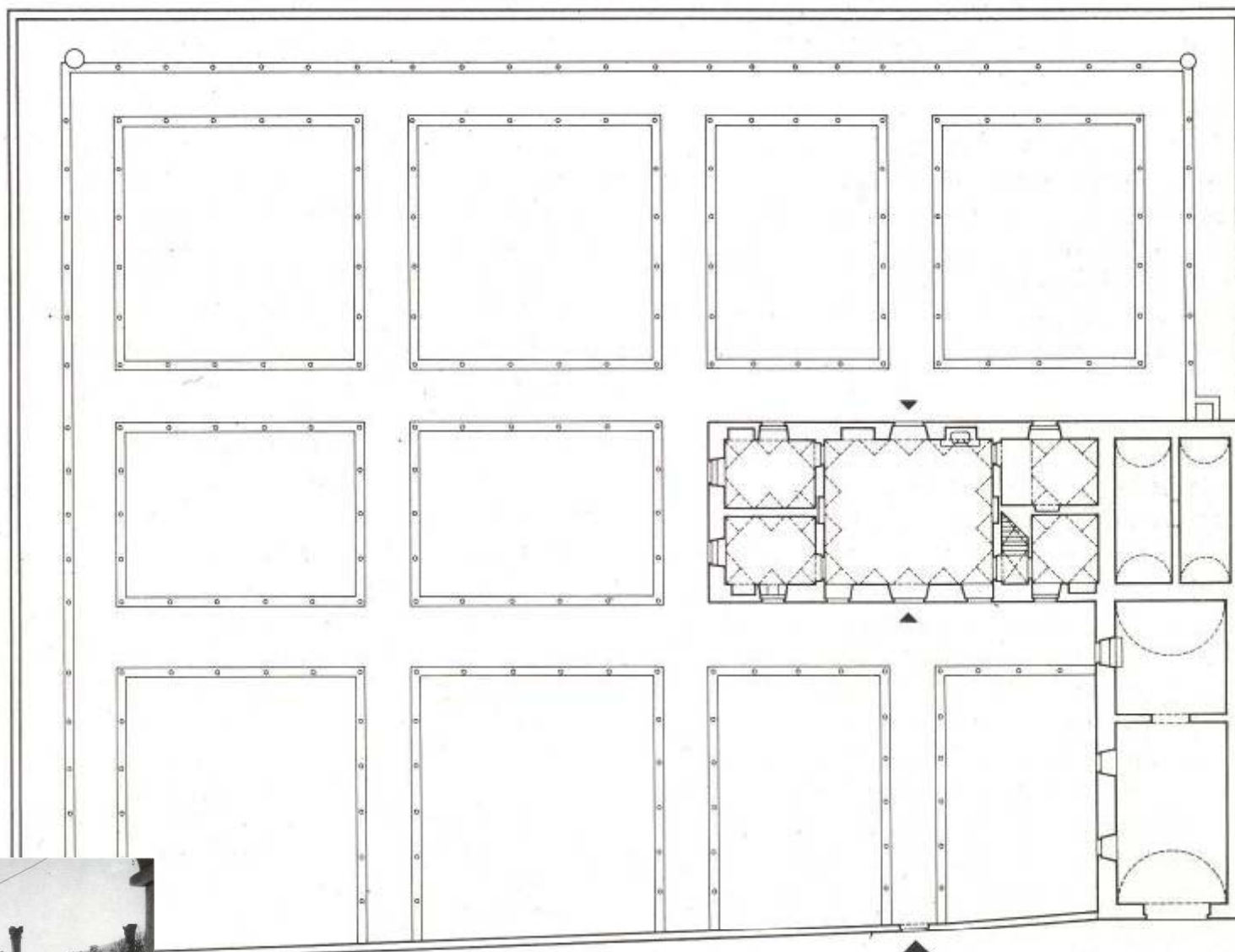


"Odrina" = naziv za sjenicu po kojoj se uspinje vinova loza i koja stvara ljetni hlad; **loznica, baras, brajda, vjernjak, vinjaga**

"**Brajda**" = stupovi s poprečnim žicama i sl., po kojima se penje vinova loza; odrina (potječe is srednjevjekovnog latinskog)



U Dubrovačkoj Republici bilo je uvriježeno pravilo da svaki ljetnikovac ima odrinu (brajdu) od Malvasije, Krivalje i Trojke. Od prve su proizvodili vino, a druge dvije su služile za jelo i rakiju.

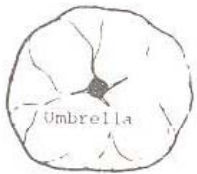


0 10

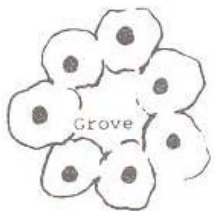
Dubrovački ljetnikovac

If you are planting trees, plant them according to their nature, to form enclosures, avenues, squares, groves, and single spreading trees toward the middle of open spaces. And shape the nearby buildings in response to trees, so that the trees themselves, and the trees and buildings together, form places which people can use.

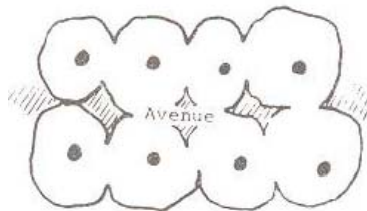
171 TREE PLACES\*\*



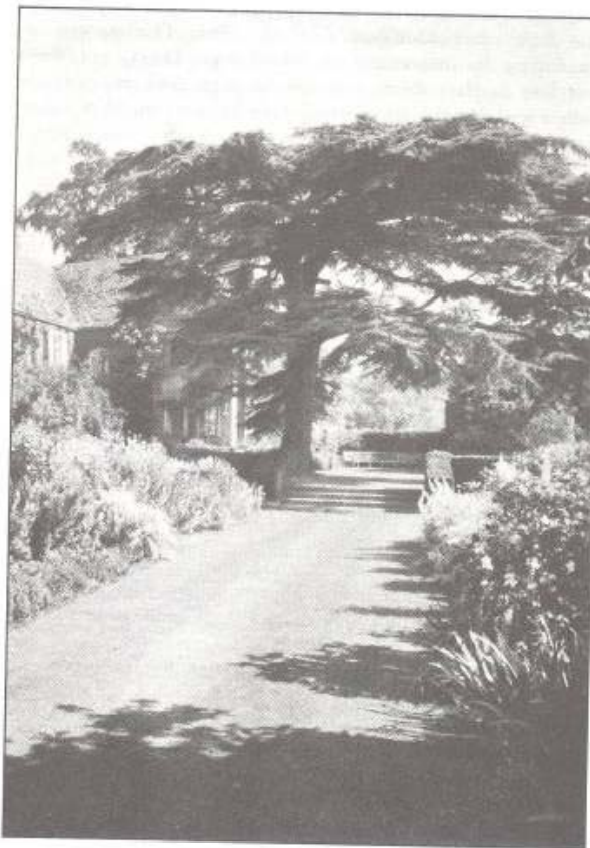
umbrella



grove



avenue



Vila Karma, parkovni vrt





Ruža  
Rosa

Krizantema  
Chrysanthemum

Klobučac ili ciklama  
Cyclamen

Ehločja  
Echinacea



Šumovski  
Narcisus



Krizantema  
Chrysanthemum



Šumčana  
Heliopsis



Tulipan  
Tulipa



Štrelčić  
Crocus acetabulata



Hudolepnica  
Aster



Mak  
Papaver orientale



Geranium  
Geranium



Pavčina  
Iris



Gerbera  
Gerbera



Krizantema  
Chrysanthemum



Cičera ili topinambur  
Helianthus tuberosus



Neven  
Calendula



Pijepirka ili tučica  
Rudbeckia laciniata R. pinn.



Atrčija ili ljubičasta ljiljan  
Gentiana



Artur  
Arbutum

CVIJET



Tithonia  
Kigijofila - Tithonia



Magnolija  
Magnolia



Gladiolus  
Gladiolus



Tithonia ili kigijofila  
Beta



Melnica  
Viola tricolor



Ranik  
Ranunculus



Zinnia  
Zinnia



Verbena  
Verbena



Makulica  
Tagetes



Jaspis  
Pyrus



Delphinium  
Delphinium



Jaspis  
Pyrus



Lotus  
Nelumbo



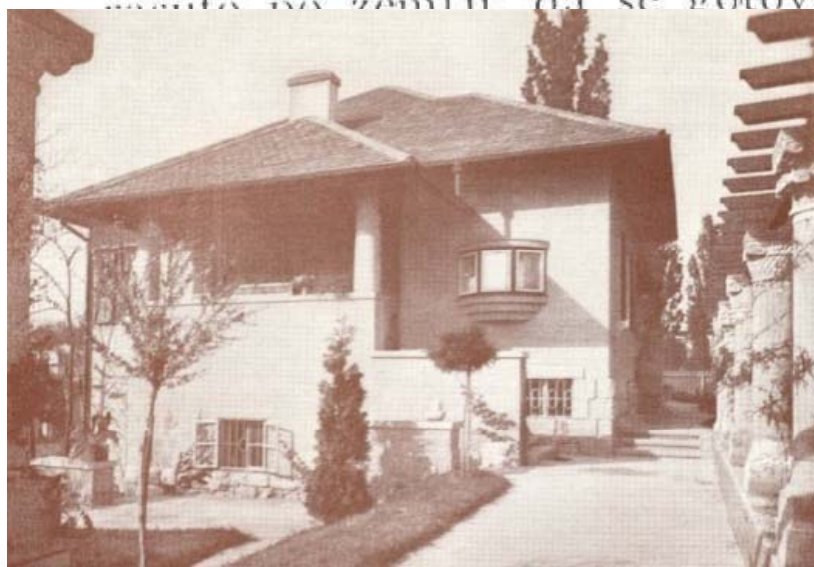
Jaspis  
Pyrus



Ranik  
Ranunculus

smrti.

Taj njegov vrt, godinama pomno uredivan, pružio se desno od vile kao mali naravni park s **dva visoka hrasta** i **mnogo bršljana** **paprat** i **jelenjeg jezika**, a lijevo od nje kao **cvjetnjak** s velikom, razgranjenom **magnolijom** na ulazu, s kolumnadom od kamenih stupova, gu **tenih ruzama**. Sada je on pod njegovim vodstvom dobio **umjetnik** ga je dopunio *novim* cvijećem: onim sitnim, neugled **je u novije doba preplavilo vrtove**, što ne raste uvis kao oni **ponosni cvjetovi**, već se drži zemlje i kamenja pužući njime. **prostrli po tlu meki jastučci intenzivno** **bijeloga iberisa** pa o toplije **bijelog arabisa** od kojega je zemlja sva pobijeljela **dalje se protegla sitna ljubičasta aubretia** što se poput mali **nalijepila na zeleno lišće**, dok je **dianthus** **divlji klinčić** jedin **u tome cvetnom društvu**, širio svoj lim, sladunjavi dah među živo **modrim velikim** **potočnicama** Sve je to bilo s takvom prirodno

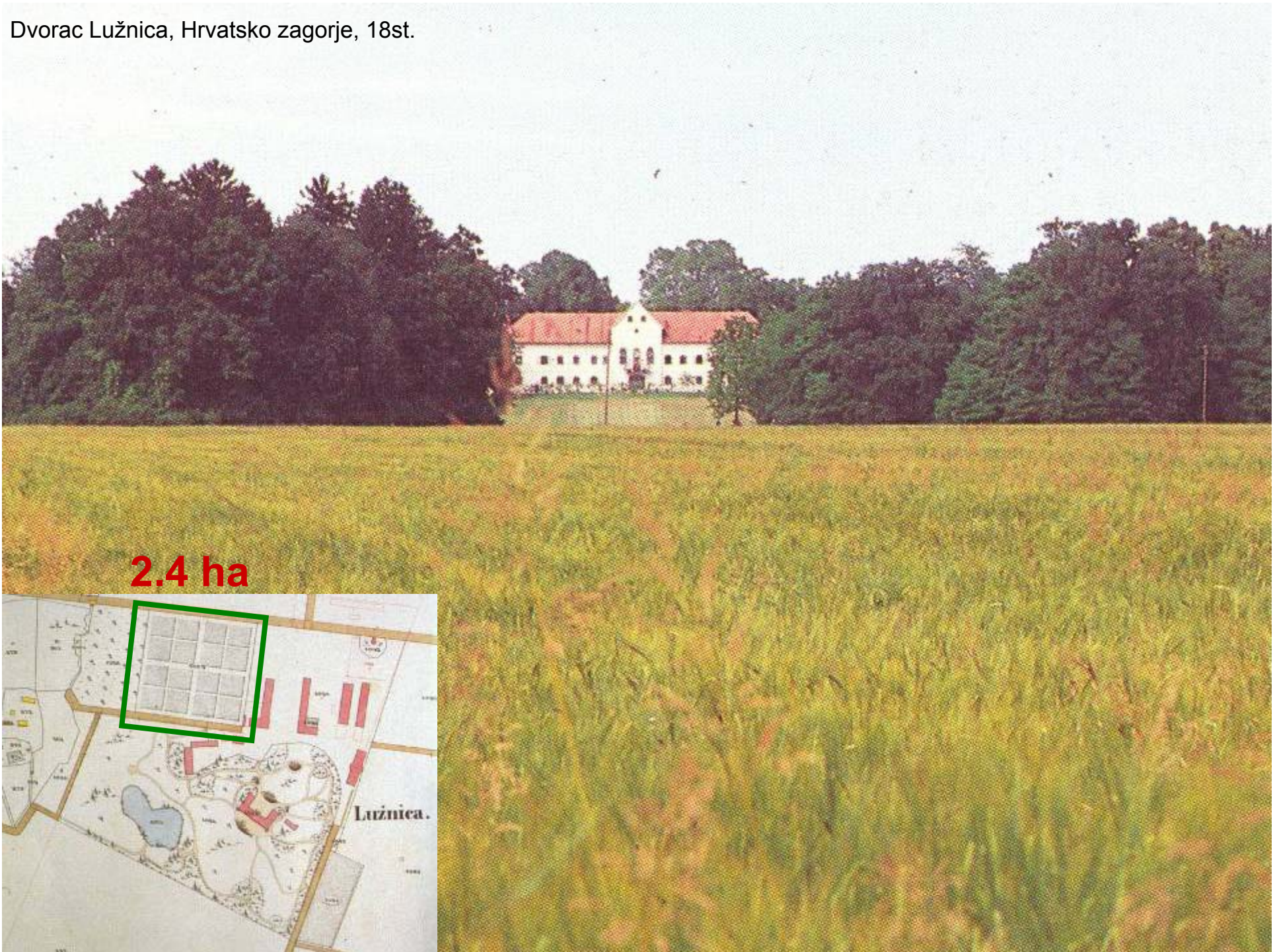


branjeno čovječjim koracima d **ikada vidjela ičiji vrt u takvu** **ega ljeta umjetnikova života**. T **više**. To kao da je onda i bila **oprostajnik** **ega**.

bio drag **mali kamenjak** pred prozorom **sitne tustike** **sempervivume** i **echeveri je** **kih čuvarkuća**, što divlje rastu po seoskim **malih i većih zelenih, sočnih zvjezdica** **Tom bi kamenjaku, kako je znao pričati,**

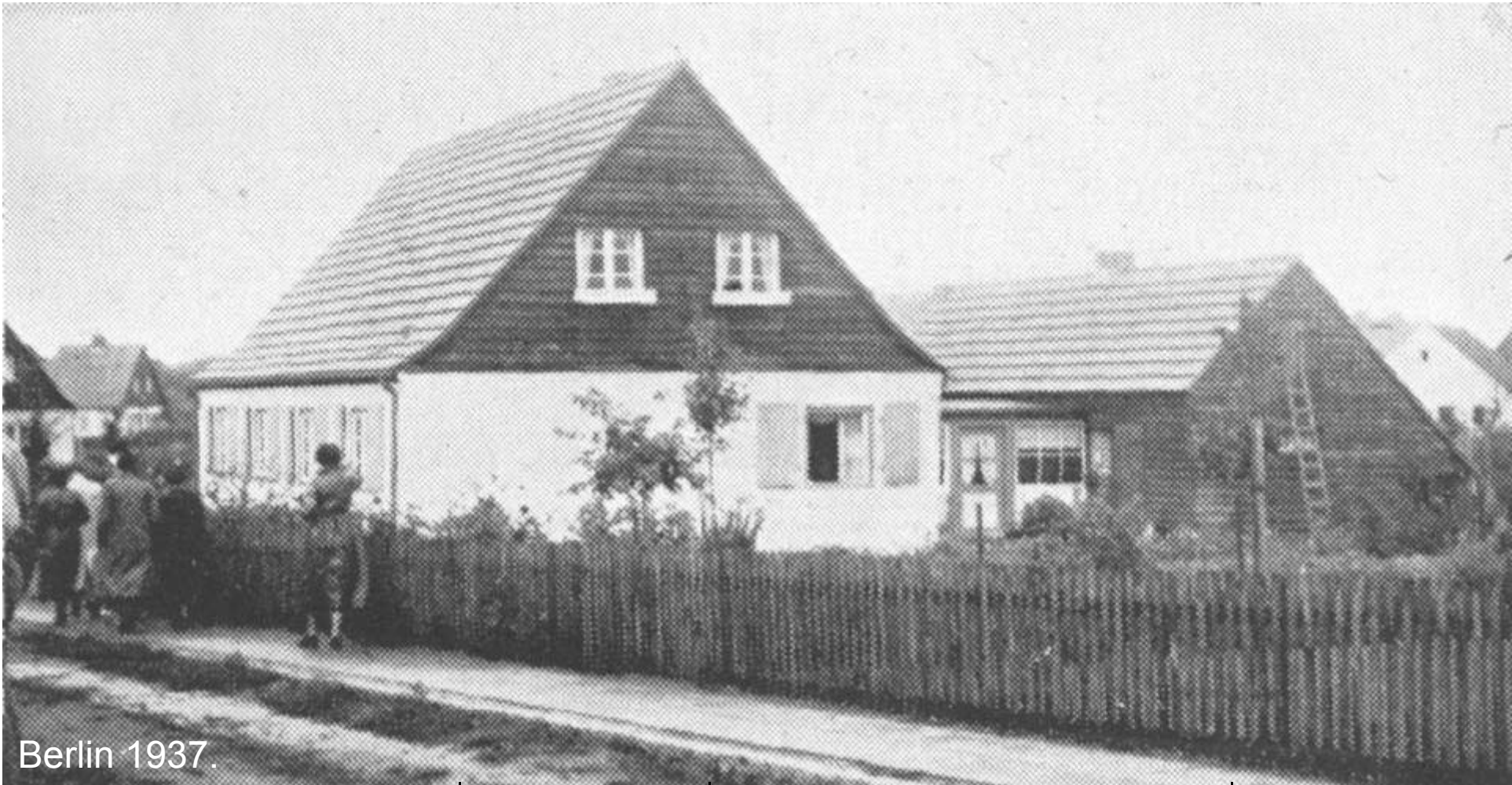
Vrt Vile Frangeš – 1910.

Dvorac Lužnica, Hrvatsko zagorje, 18st.

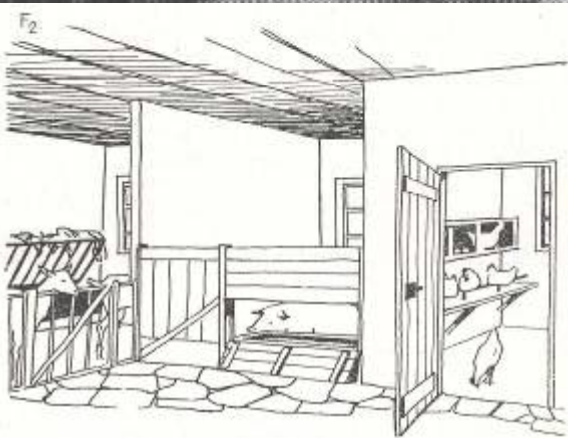


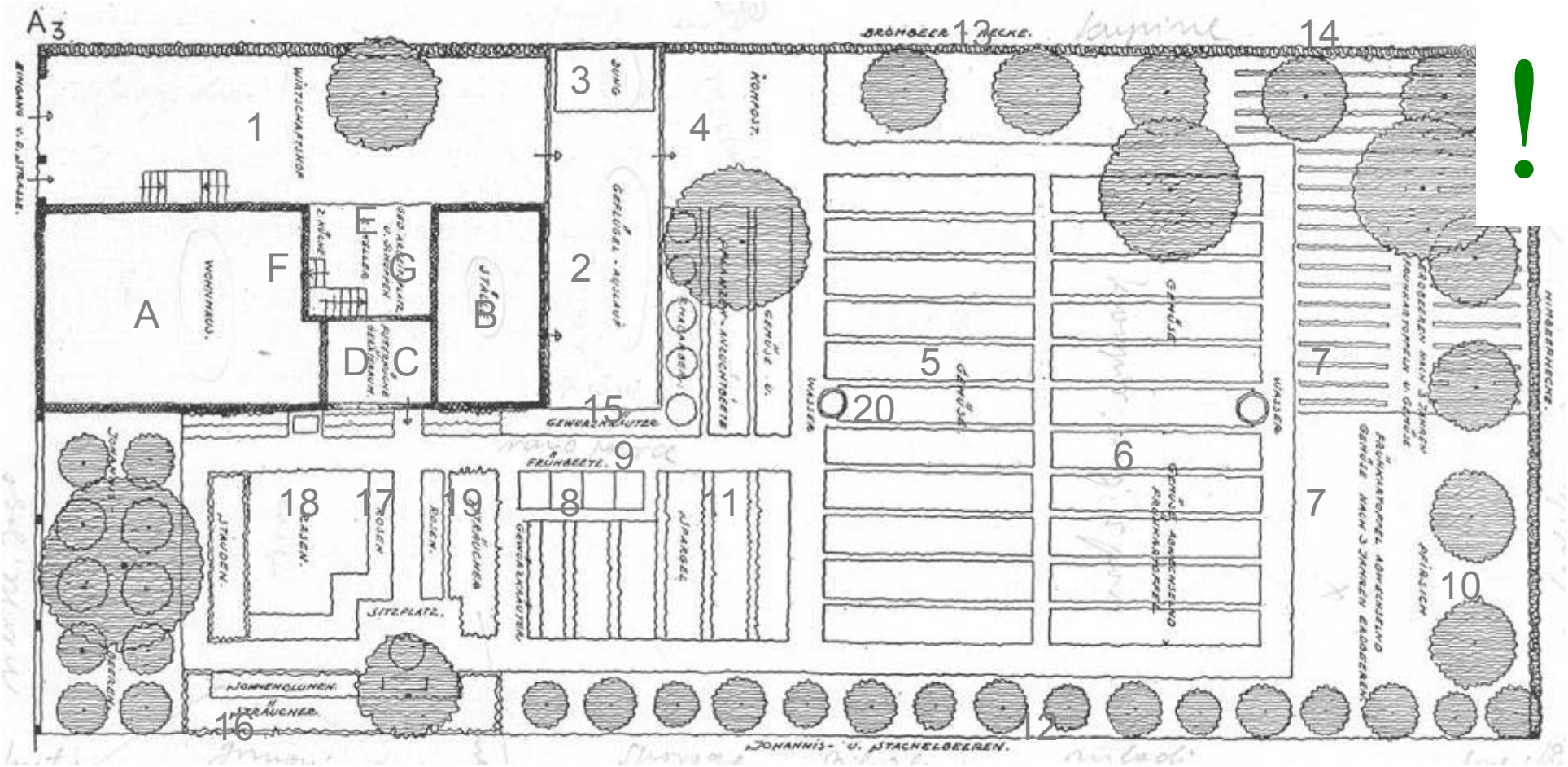
2.4 ha





Berlin 1937.





A)family house, B)cattle, C)kitchen for cattle, D)tools, E)working space, F)kitchen entrance, G)cellar entrance, 1)yard, 2)poultry, 3)dirt, 4)compost, 5)vegetable, 6)potato altering vegetable, 7)potato and vegetable in 3 years altering with strawberries, 8)first season potato, 9)first season vegetable, 10)peaches, 11)asparagus, 12)gooseberry, raspberry, 13)currant, 14)blackberry, 15)spice plant, 16)sunflowers, 17)roses, 18)grass, 19)bushes, 20)water (Berlin 1937.)



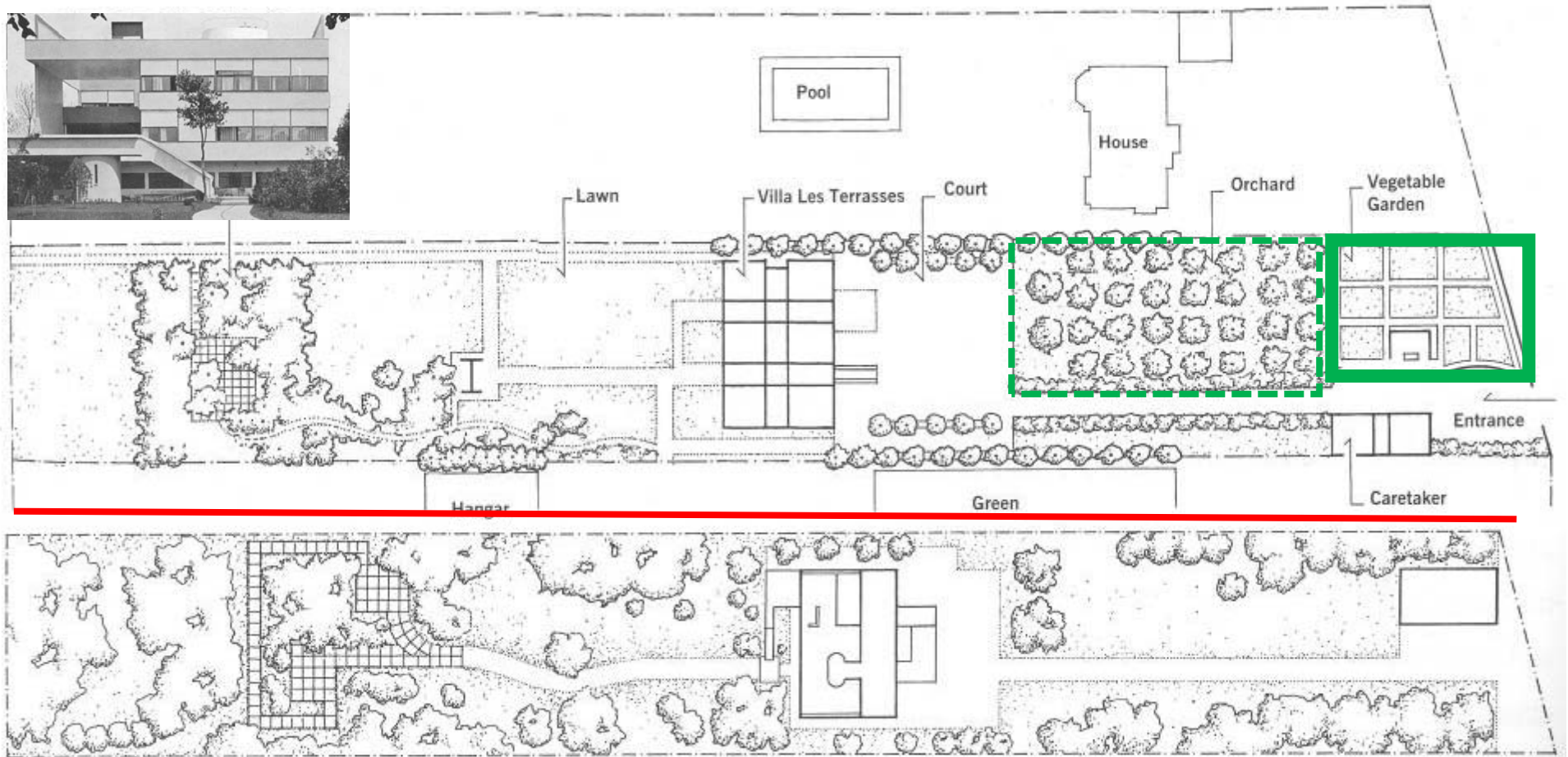
*”Nowadays and in the future, the piece of land that a man is working on for himself, will always be the same: an escape to the mother nature, his only fortune and his only blessing”.*

Adolf Loos – 1920's

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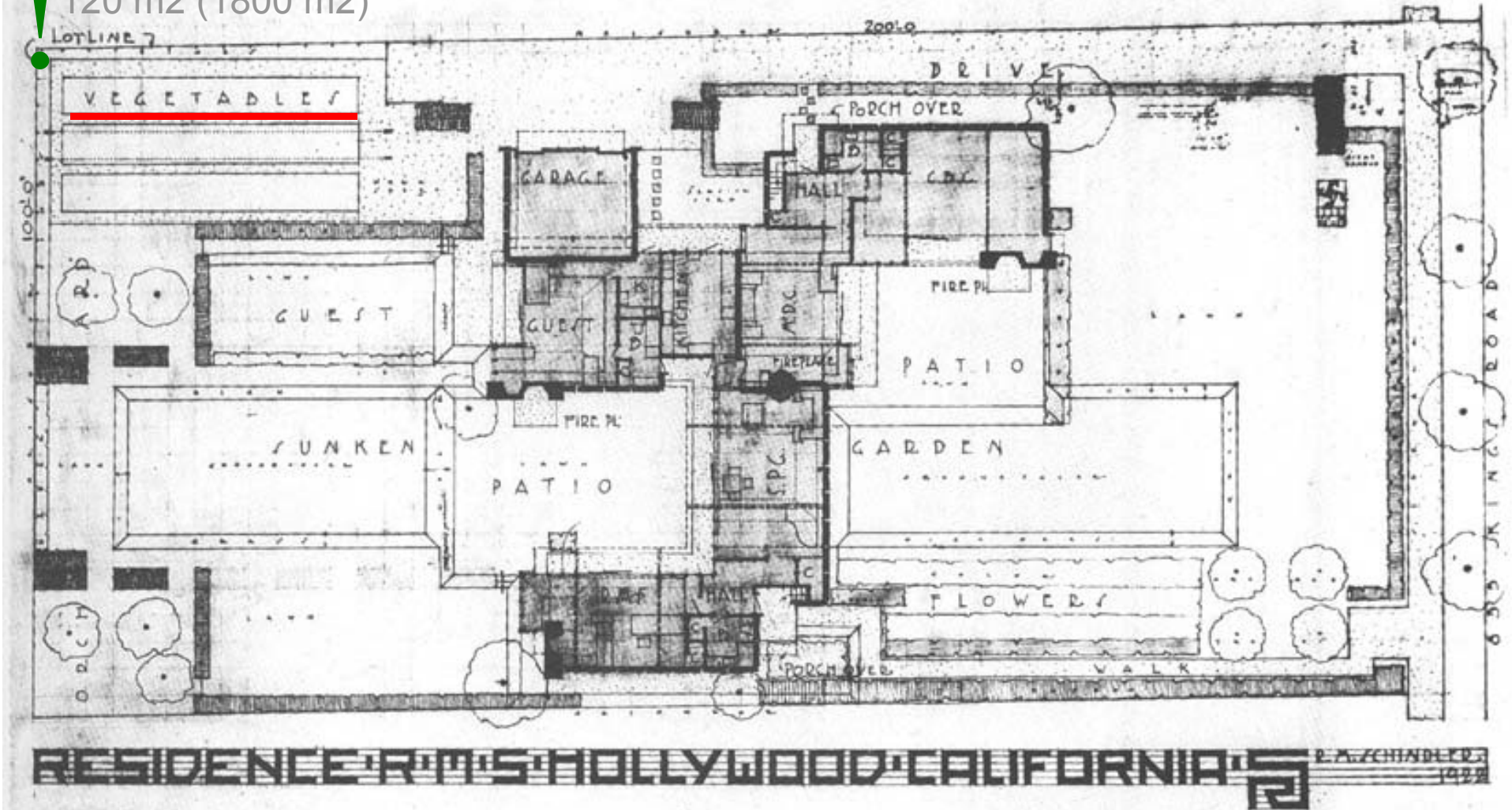
Švedska 1930te

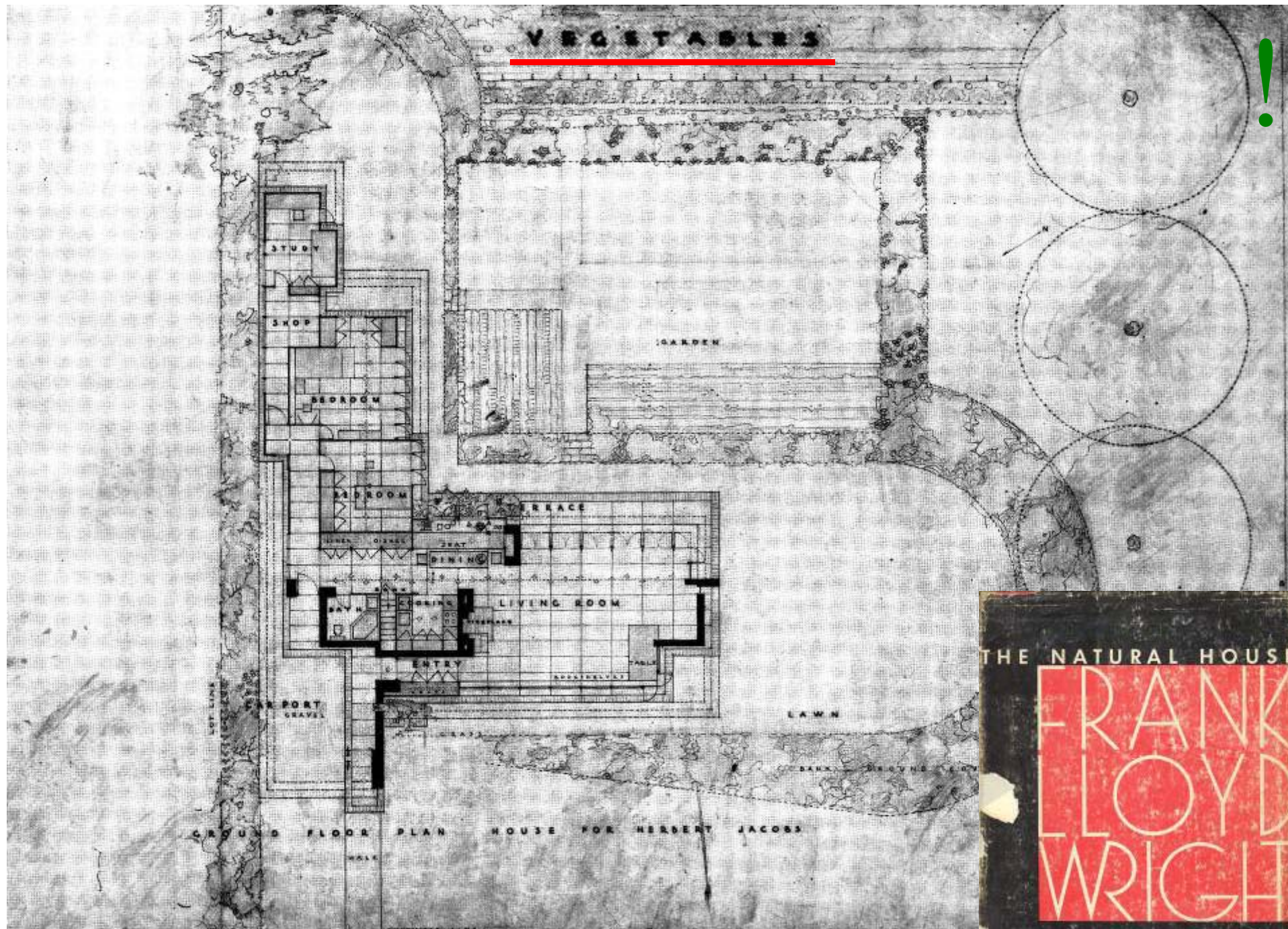


Le Corbusier: Villa Stein 1926. - plan vrta

Rudolf Schindler: Schindler house, West Hollywood, California 1922.

! 120 m2 (1800 m2)

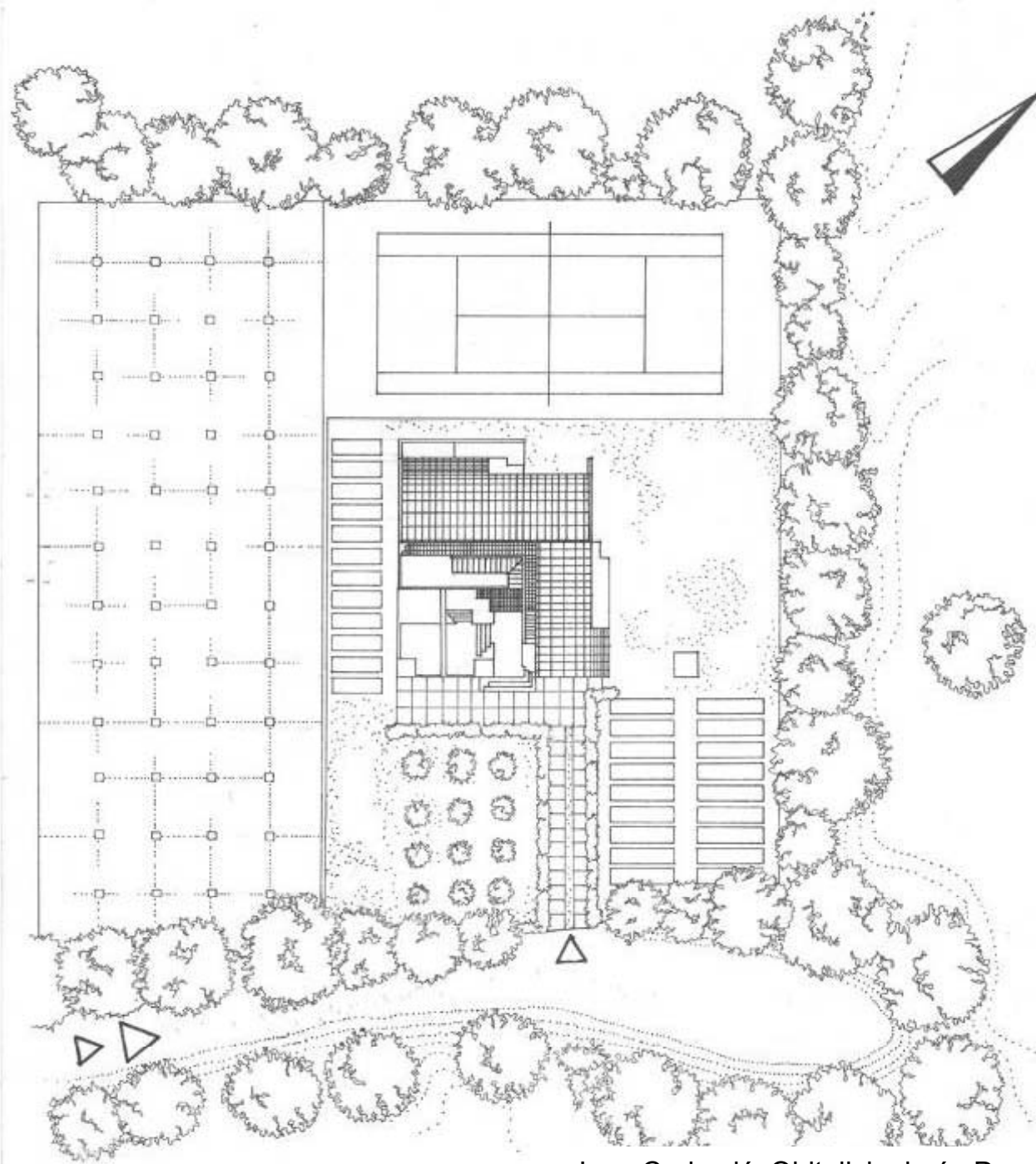




Frank Lloyd Wright: First Usonian House, 1930.



Boltar, Seisel, Miličić: Naselje Bilice, 1945.



dr + prof + 3 kids

2700 m<sup>2</sup>

200 m<sup>2</sup> of v. garden

200 kg vegetables

400 kg potatoes

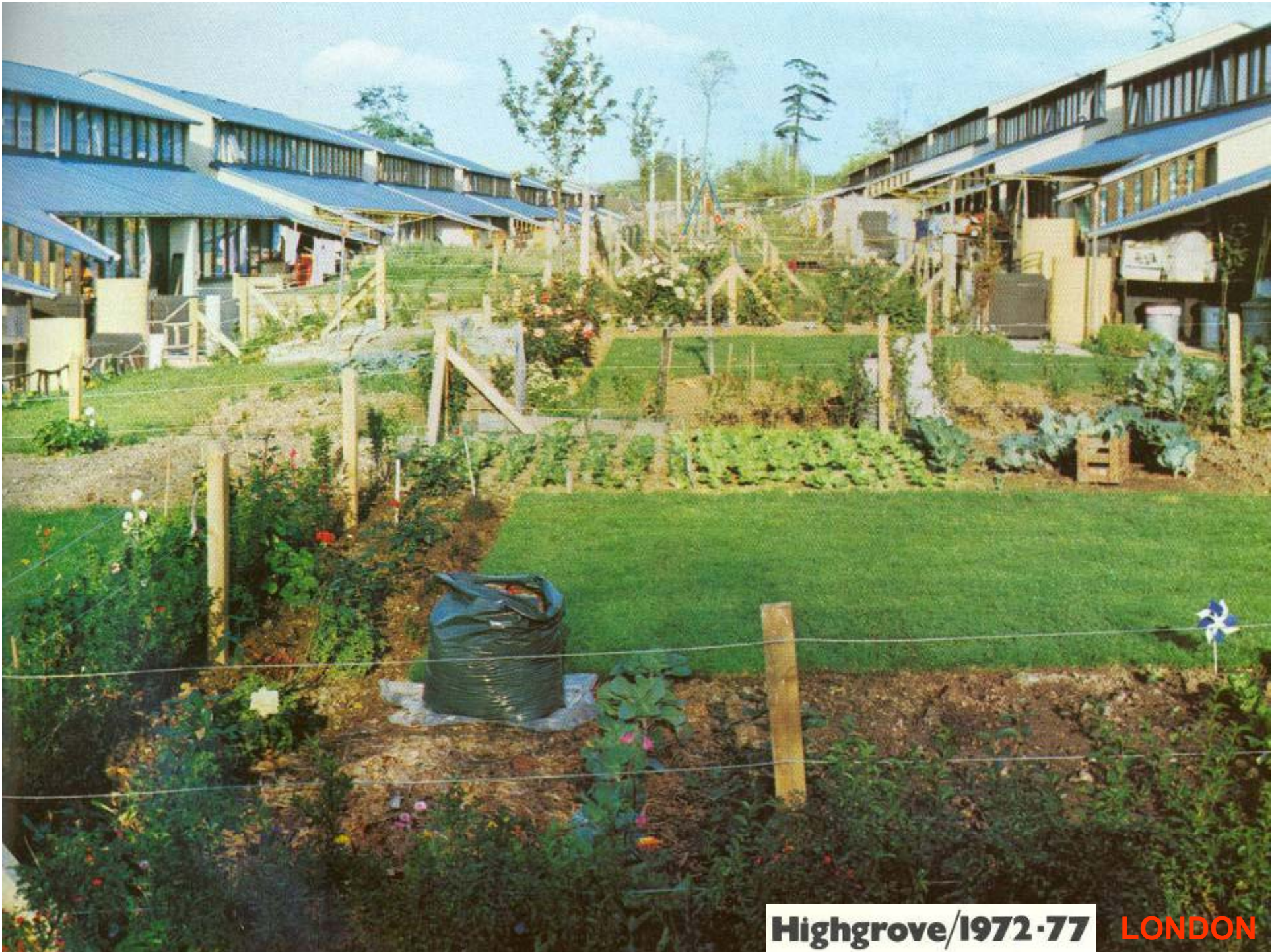
40 fruit trees

600 kg of fruit

400 kg vine grapes

600 hours of work

Ivan Crnković: Obiteljska kuća Dropuljić, Proložac pokraj Imotskog 1981.

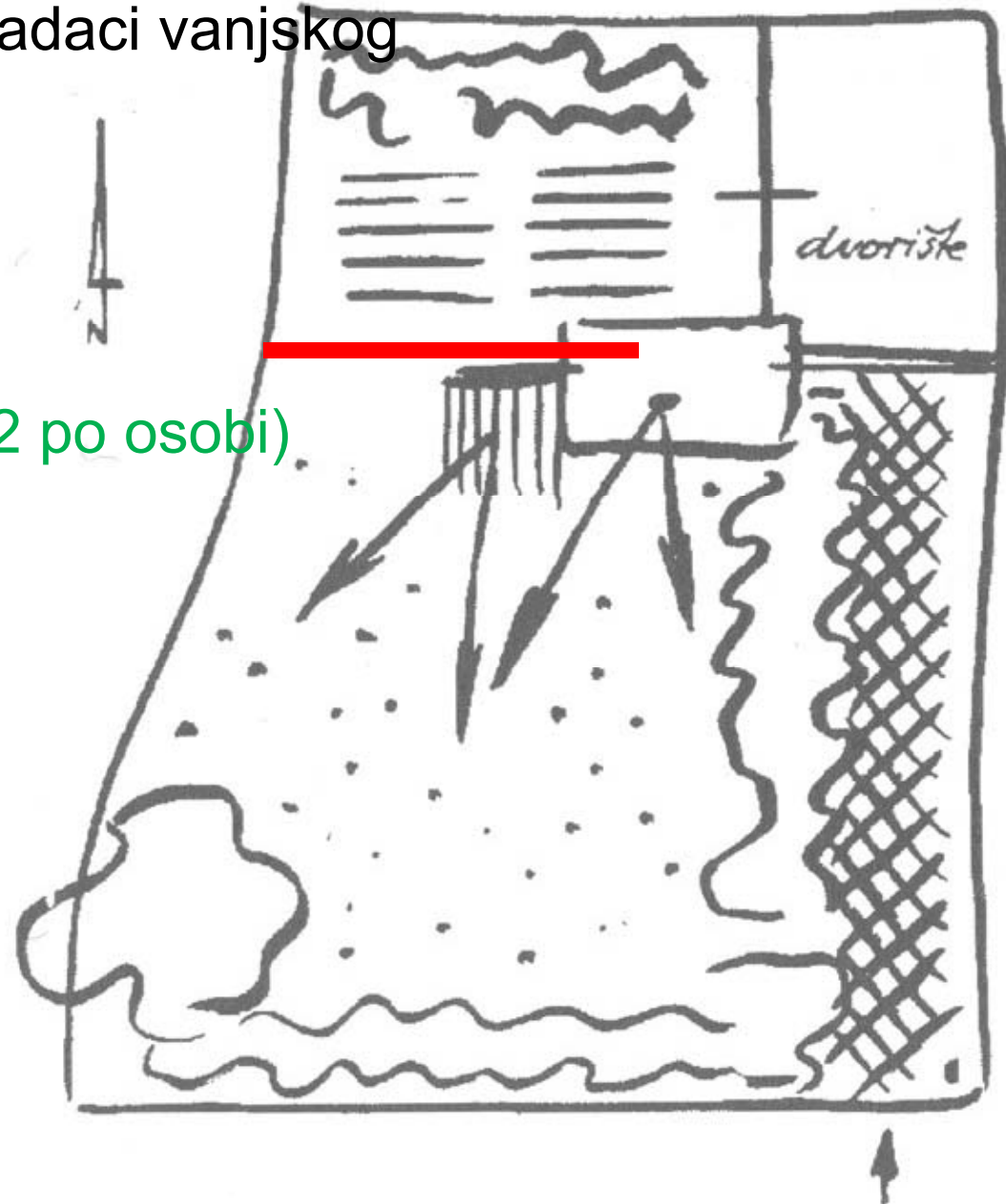


**Highgrove/1972-77**

**LONDON**

Prof. Zdenko Strižić (1953) zadaci vanjskog prostora:

- ulazni dio
- stambeni vrt
- gospodarski vrt (oko 15m<sup>2</sup> po osobi)



CROATIA 2003: 9% (out of 500 questioned) is in favor of vegetable gardens

# A Pattern Language

Towns · Buildings · Construction



**1981.!**

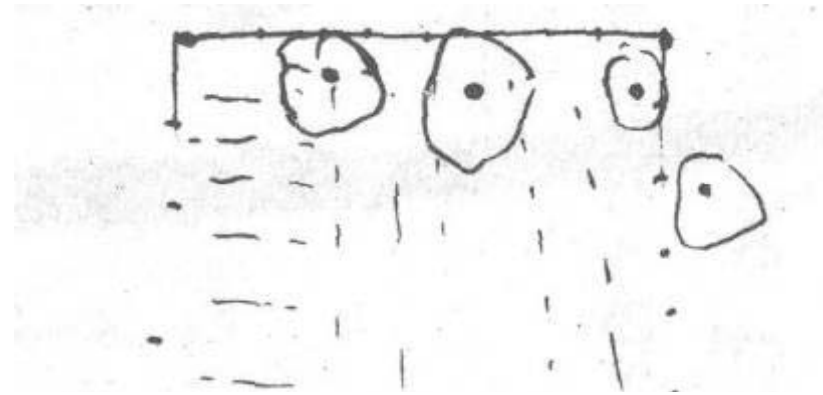
Christopher Alexander

Sara Ishikawa · Murray Silverstein

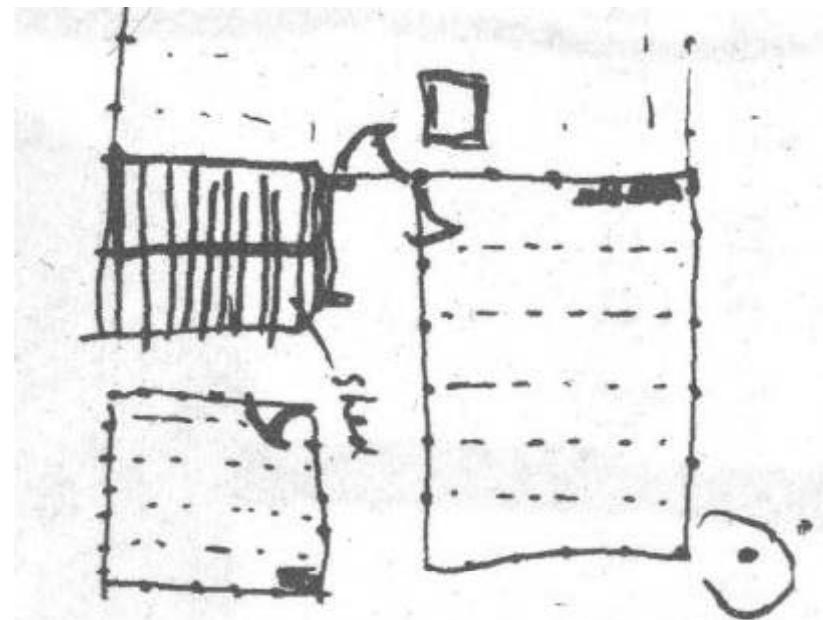
WITH

Max Jacobson · Ingrid Fiksdahl-King

Shlomo Angel



**"In a healthy town every family can grow vegetables for itself. The time is past to think of this as a hobby for enthusiasts; it is fundamental part of human life."**



**$\frac{1}{40}$  acre per person**

48% (2011)

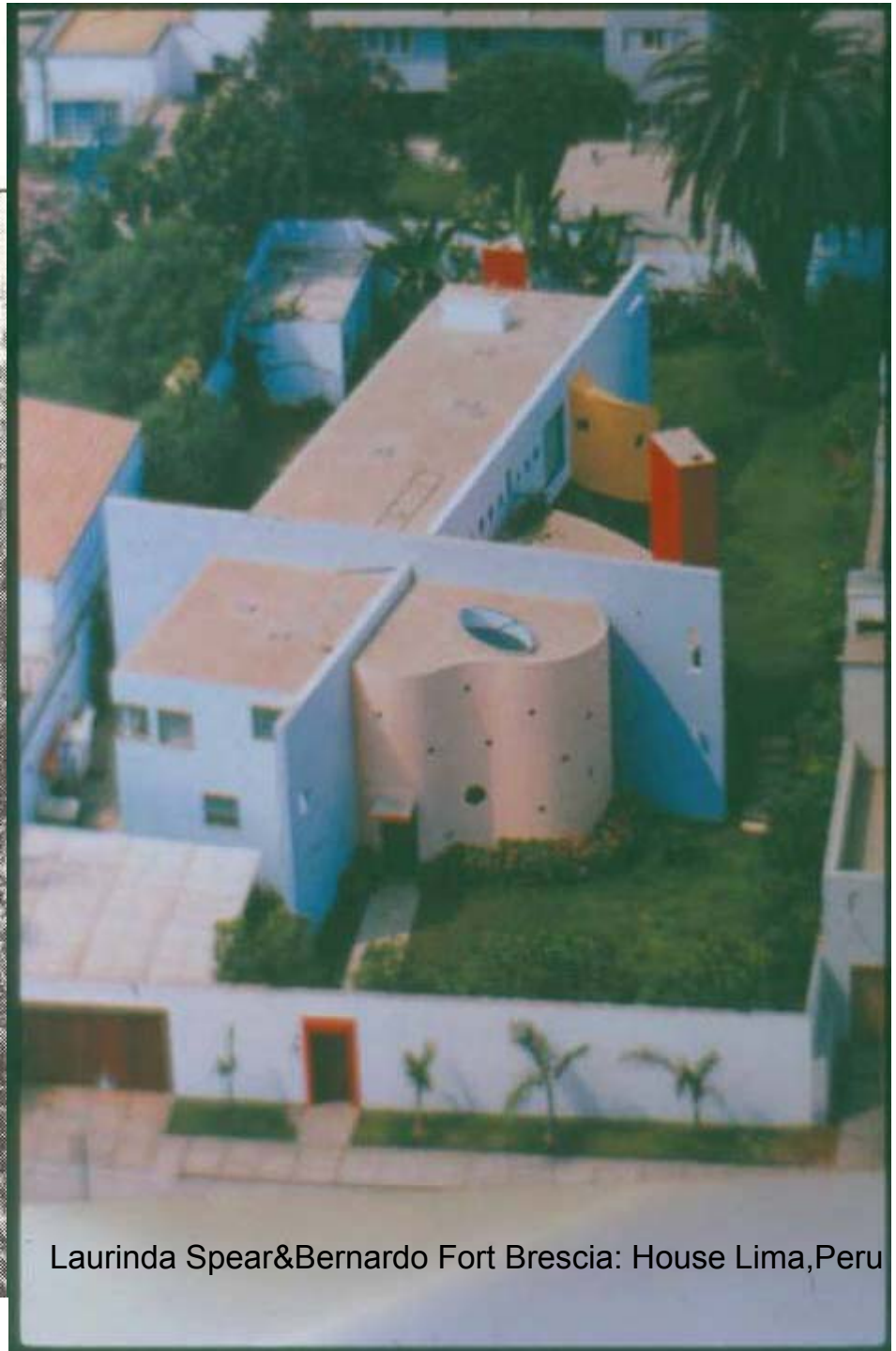
In 1870, 70-80 % of the US *population* was employed in agriculture, as of 2008, approximately 2-3 % of the population is directly employed in agriculture



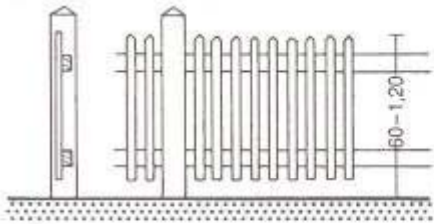
# 173 GARDEN WALL\*



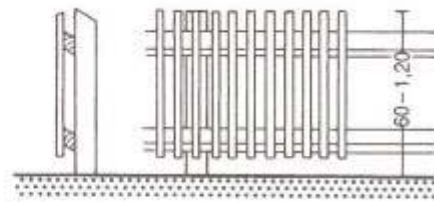
Ch. Alexander : Pattern Language, #173: Garden Wall



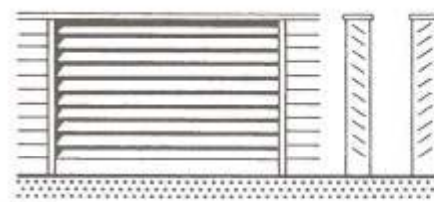
Laurinda Spear&Bernardo Fort Brescia: House Lima, Peru



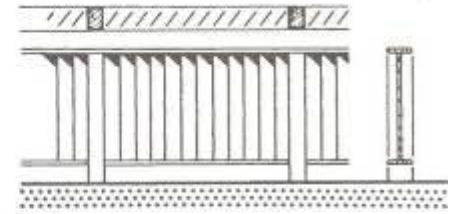
5 Ograda s nadvišenim stupovima



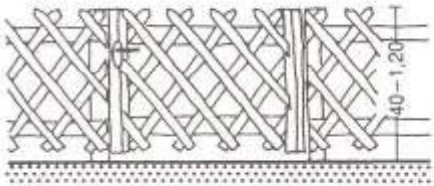
6 S kontinuiranom prečkom



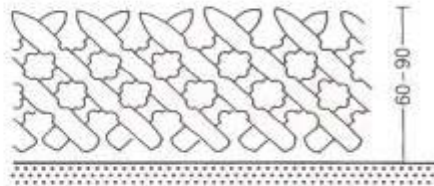
7 S horizontalnim lamelama



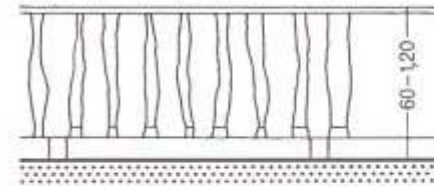
8 S vertikalnim drvenim lamelama



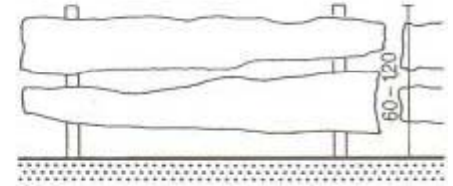
9 Lovačka ograda



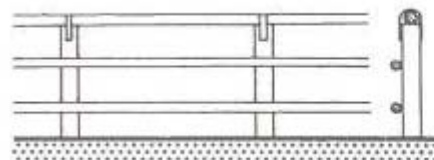
10 Ornament - ograda



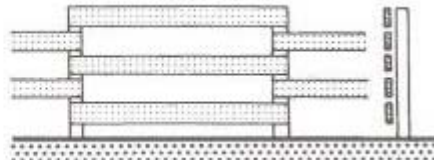
11 Ograda od okrajaka



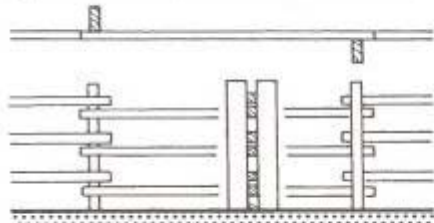
12 Od uzdužno rezanih okrajaka



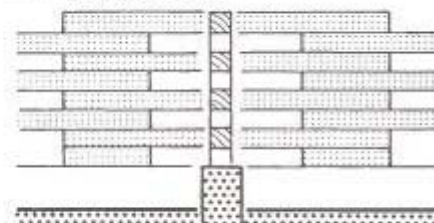
13 Livadna ograda s oblicom na vrhu



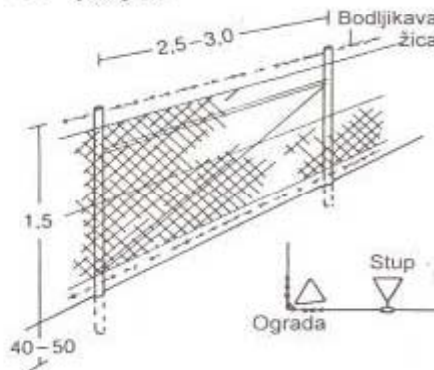
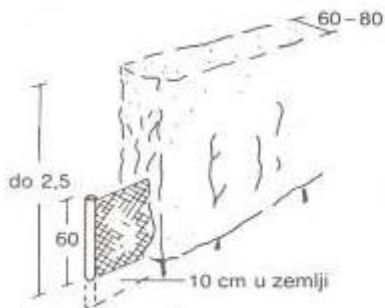
14 Od naizmjenično postavljenih lijepljenih talpi



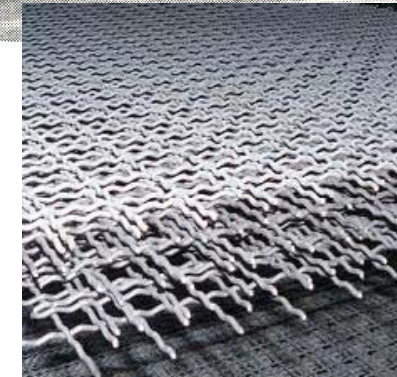
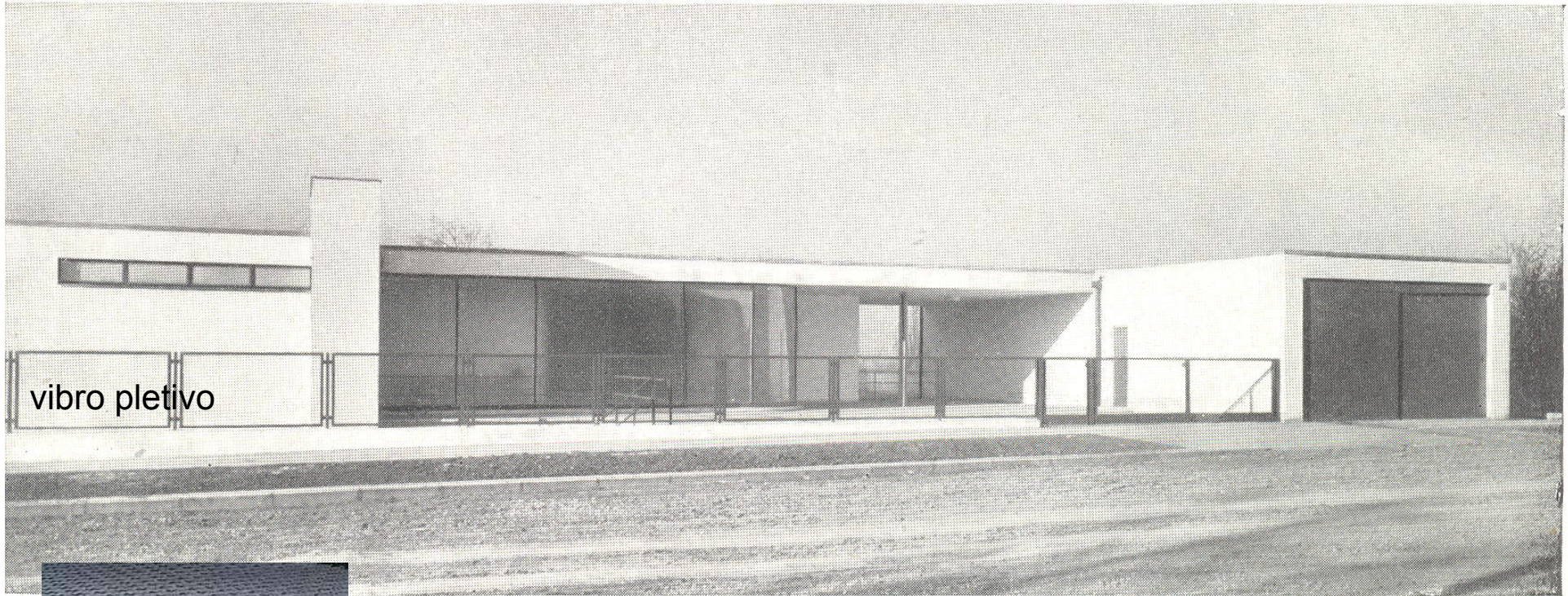
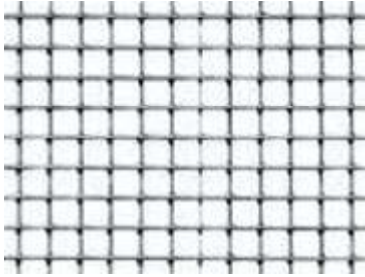
17 Livadna ograda sa smaknutim stupovima i prečkama



18 Od drvenih talpi kvadratičnog presjeka



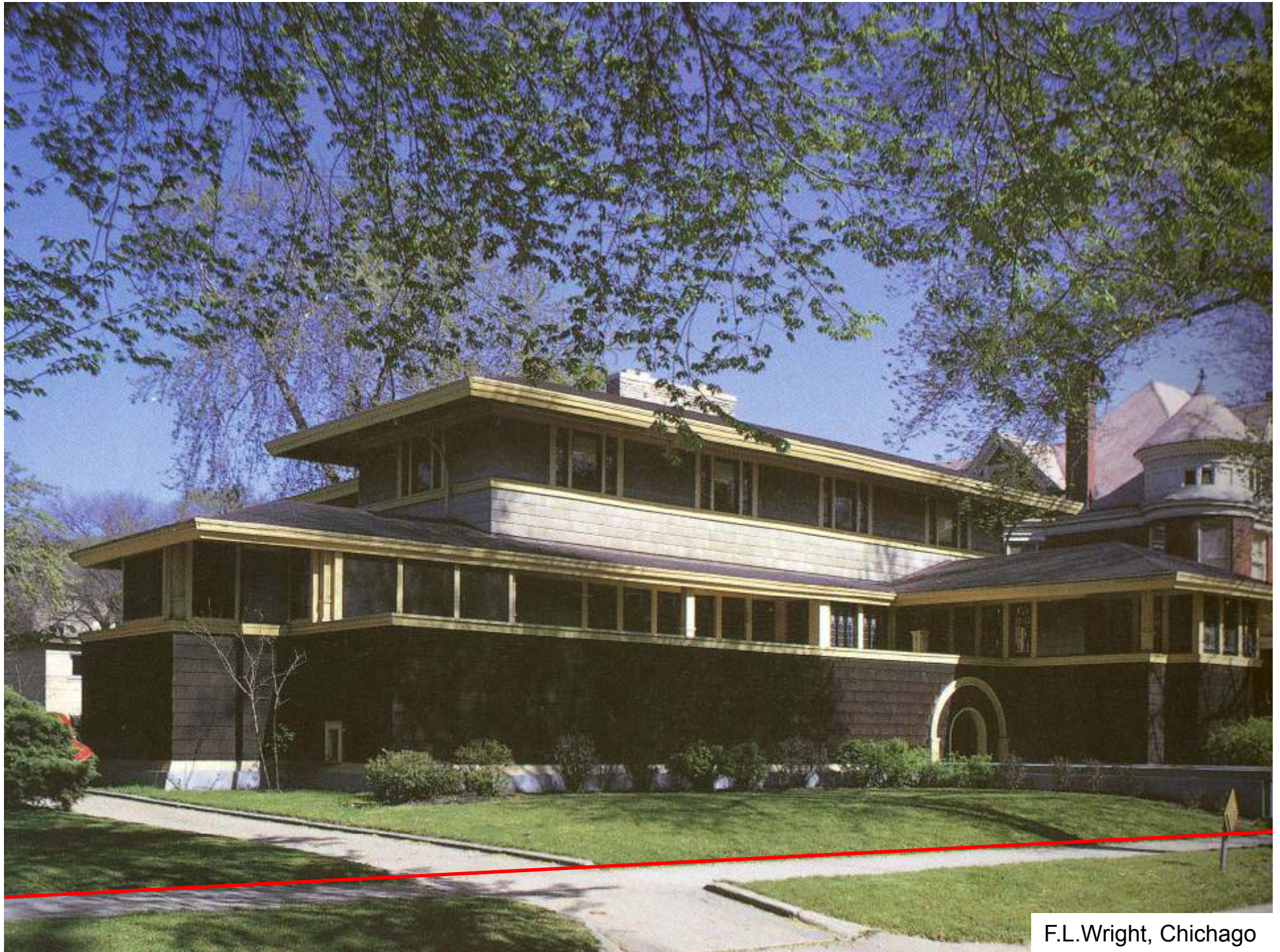
Neufert - ograde



Mies van der Rohe: Villa Tugendhat, Brno, 1930.



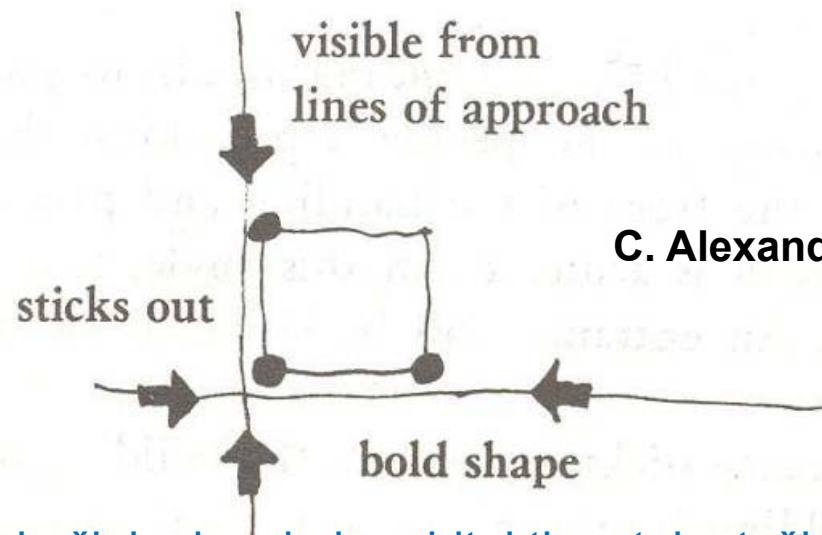
Hampstead, London, 2000te



F.L.Wright, Chichago

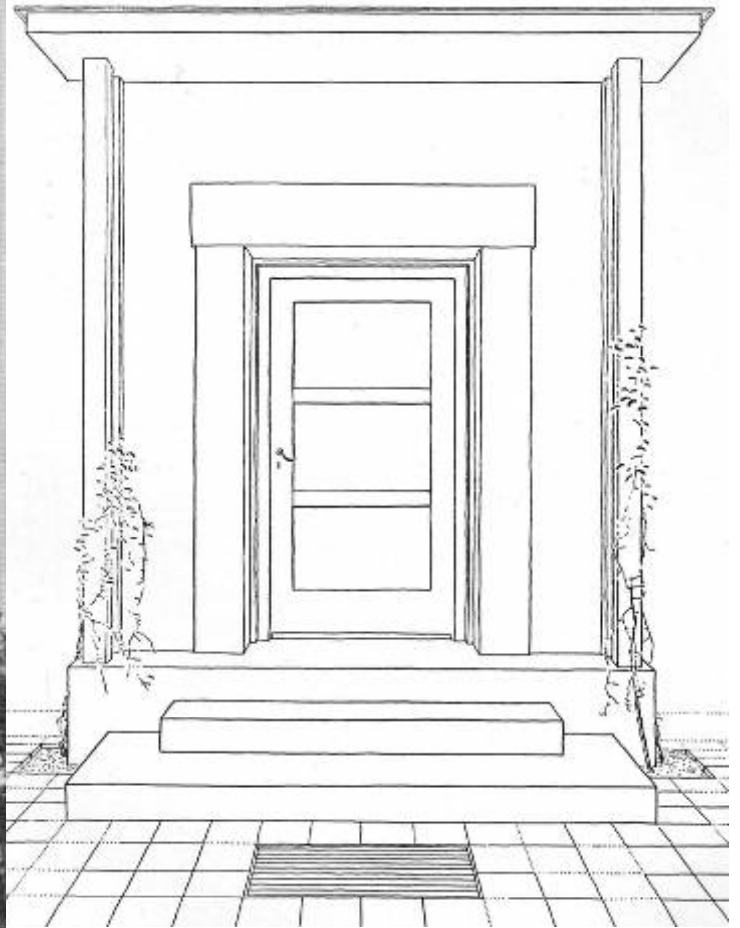
Placing the main entrance (or main entrances) is perhaps the single most important step you take during the evolution of a building plan.

Place the main entrance of the building at a point where it can be seen immediately from the main avenues of approach and give it a bold, visible shape which stands out in front of the building.

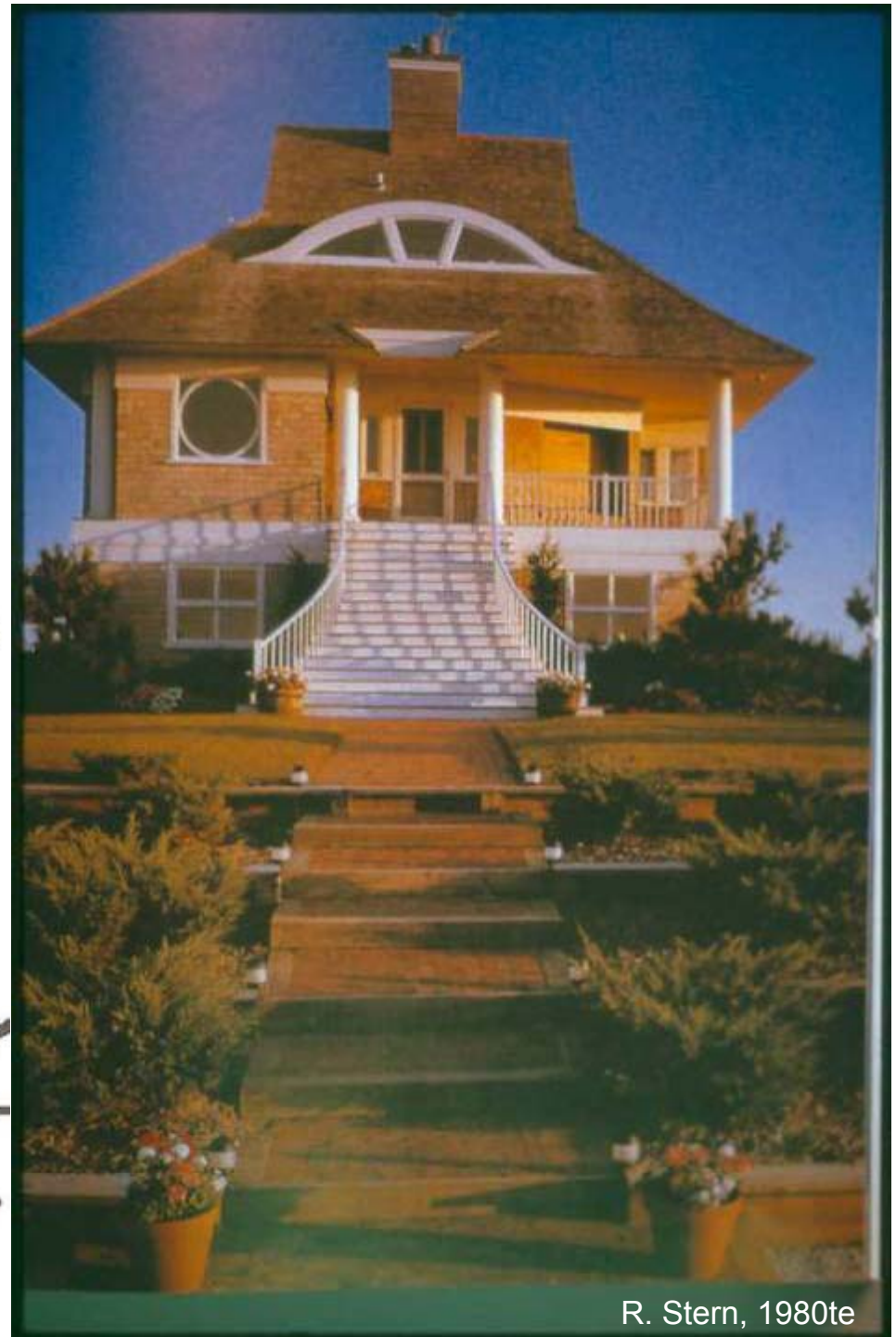
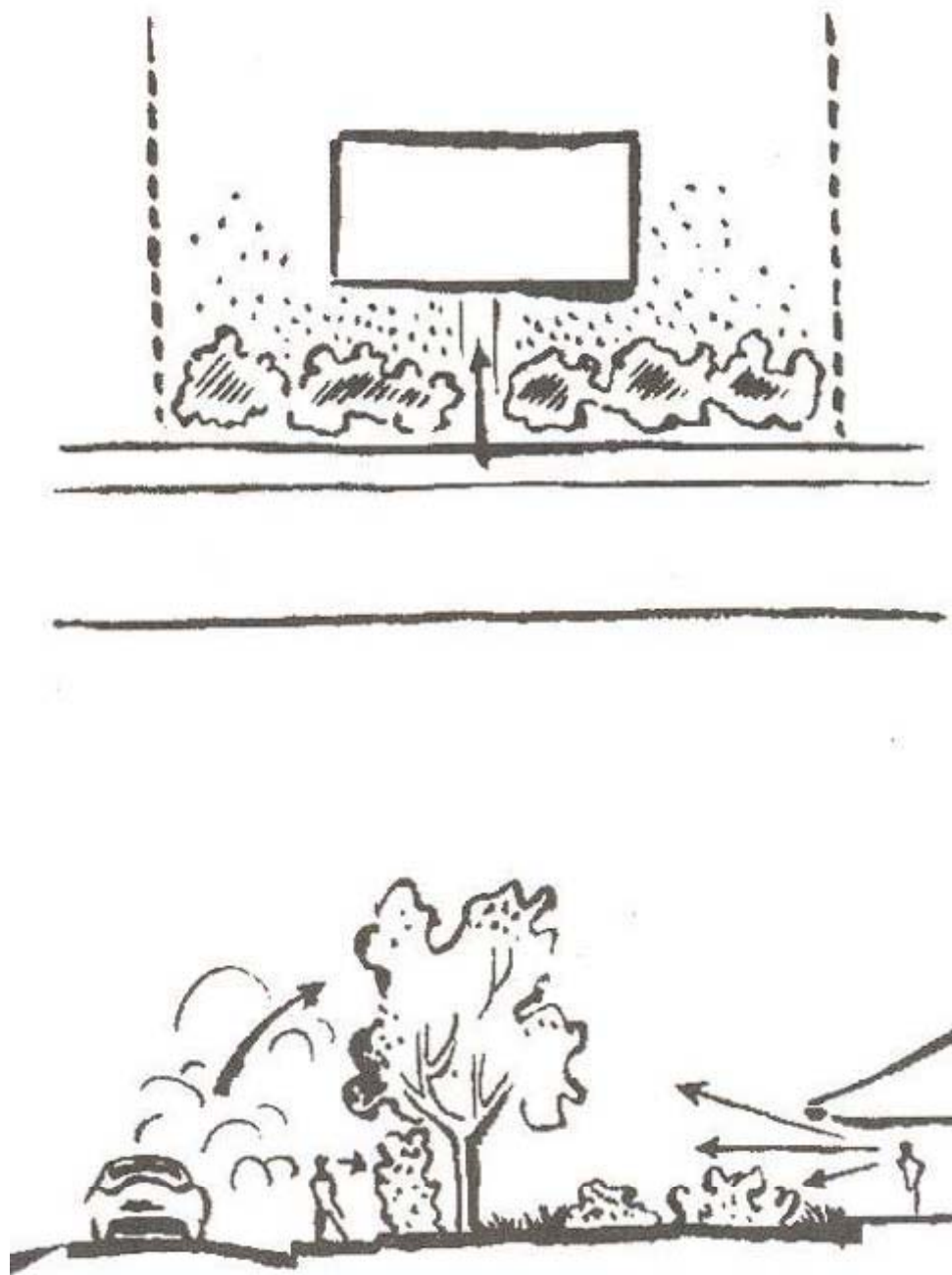


C. Alexander : Pattern Language  
#110: Main Entrance

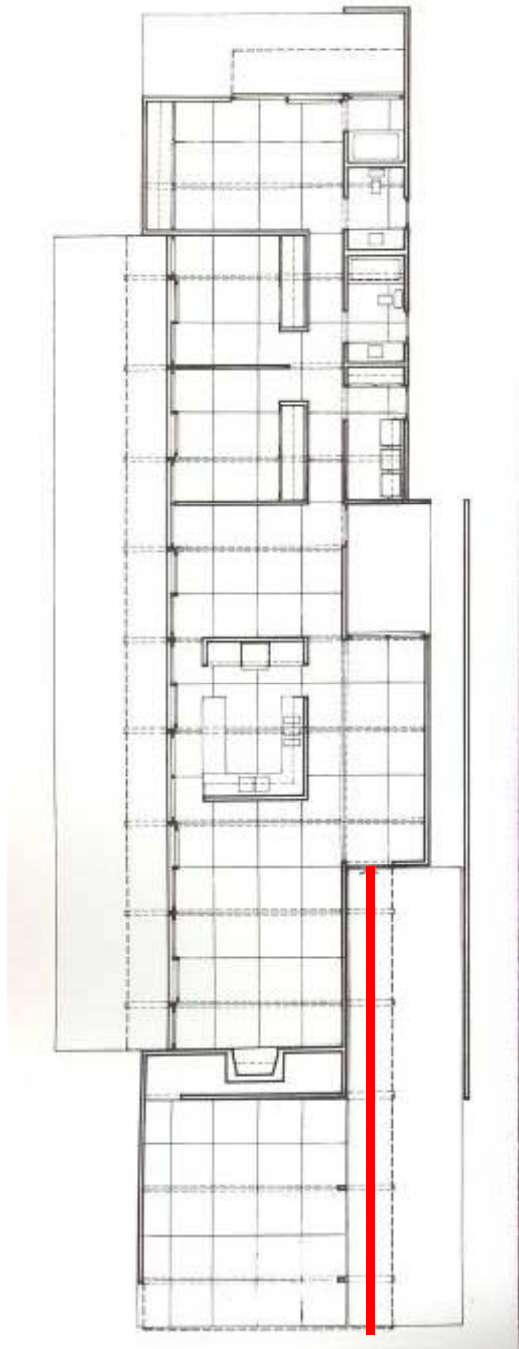
**P. Blake:** "Laika zbunjuje činjenica da je arhitektima tako teško projektirati ulaze, ali to je onaj najteži estetski problem u oblikovanju svake zgrade."



H. Tessenow: Hausbau & Dergleichen, 1917.



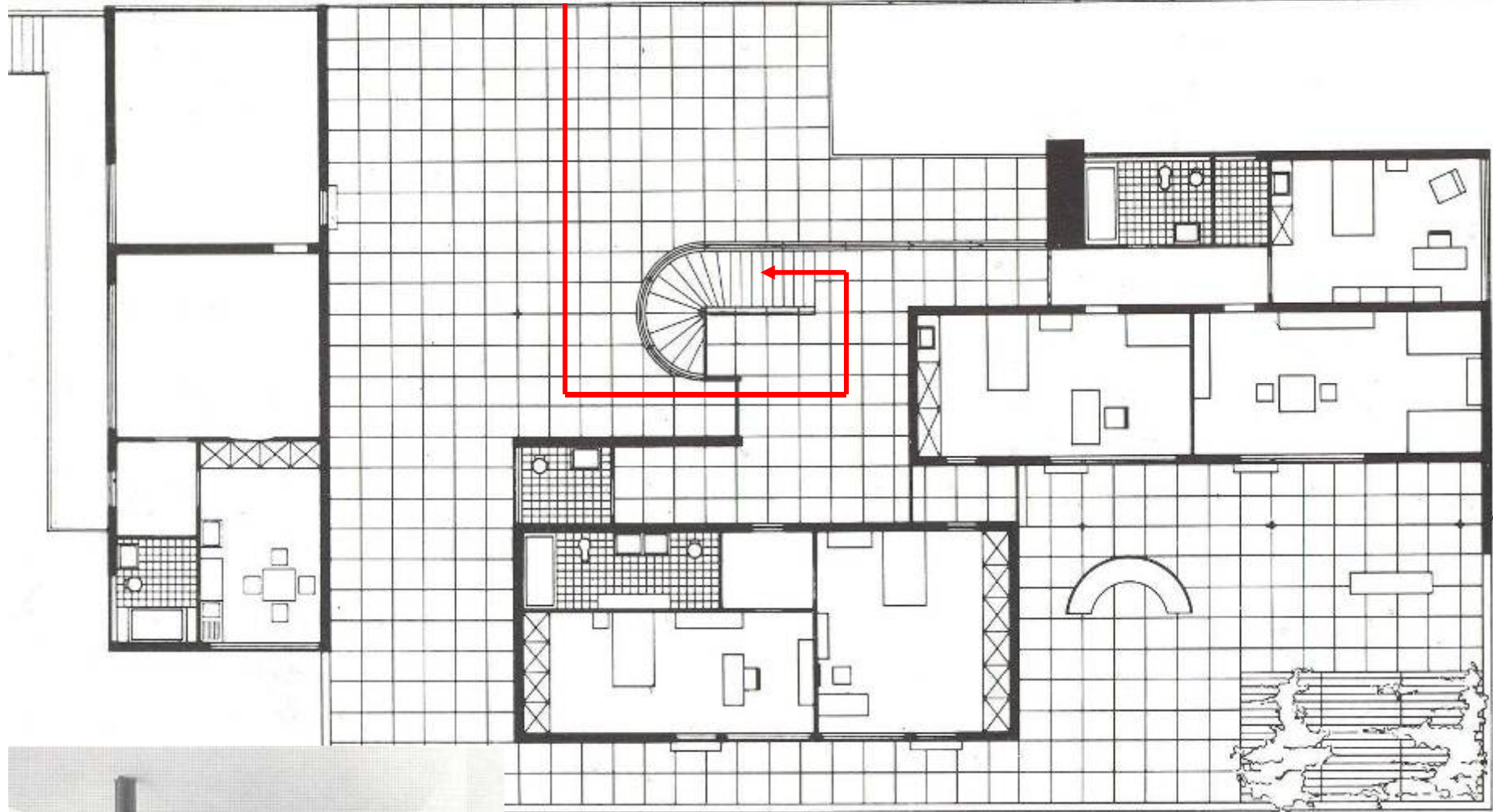
R. Stern, 1980te



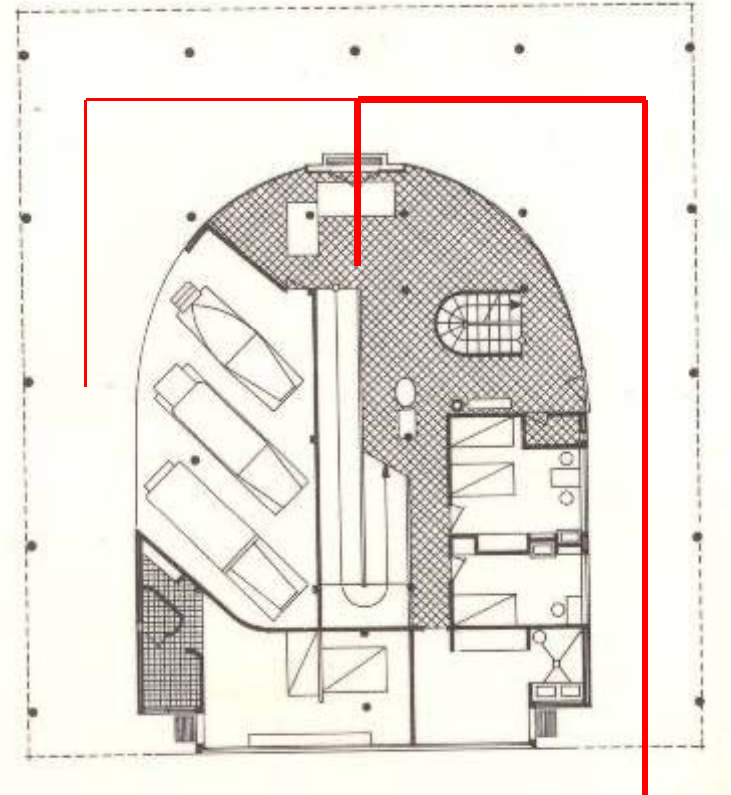
Craig Ellwood: Sherman House, LA, 1956.



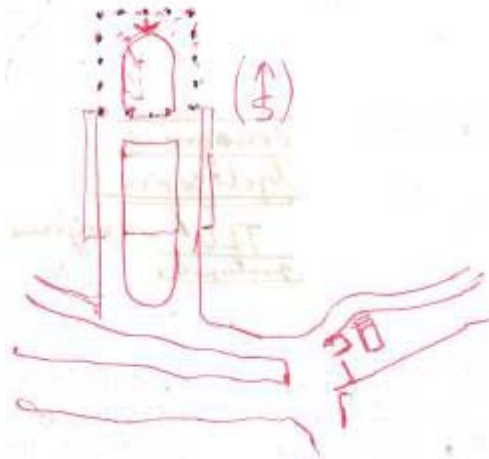
Mies van der Rohe: Villa Tugendhat, Brno, 1930.



positioning



Le Corbusier: Villa Savoye, 1931.





**Luigi Figini:** Casa Figini– Milano, 1933.

Paul Rudolph: Biggs H., Florida, 1956.



A house feels isolated from the nature around it, unless its floors are interleaved directly with the earth that is around the house.

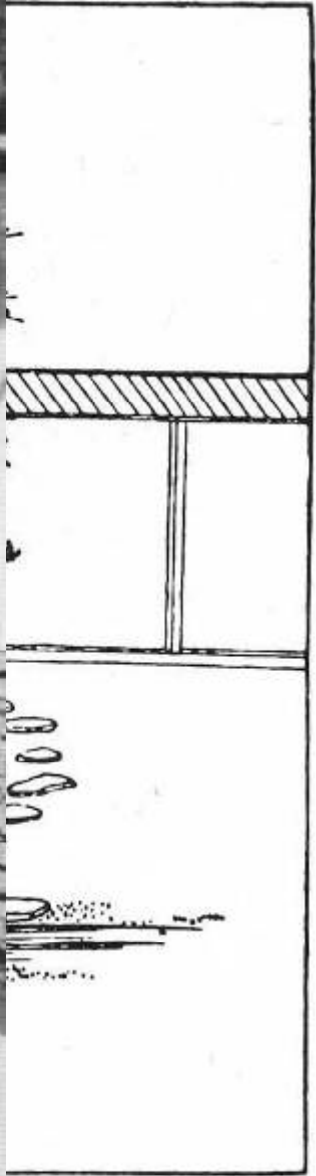
Connect the building to the earth around it by building a series of paths and terraces and steps around the edge. Place them deliberately to make the boundary ambiguous—so that it is impossible to say exactly where the building stops and earth begins. Ch. Alexander : Pattern Language, #168: Connection to the earth

‘no house should ever be put ON a hill or ON anything ... it should be OF the hill, belonging to it, hill and house should live together, each the happier for the other’.

Frank Lloyd Wright

168 CONNECTION TO  
THE EARTH\*\*

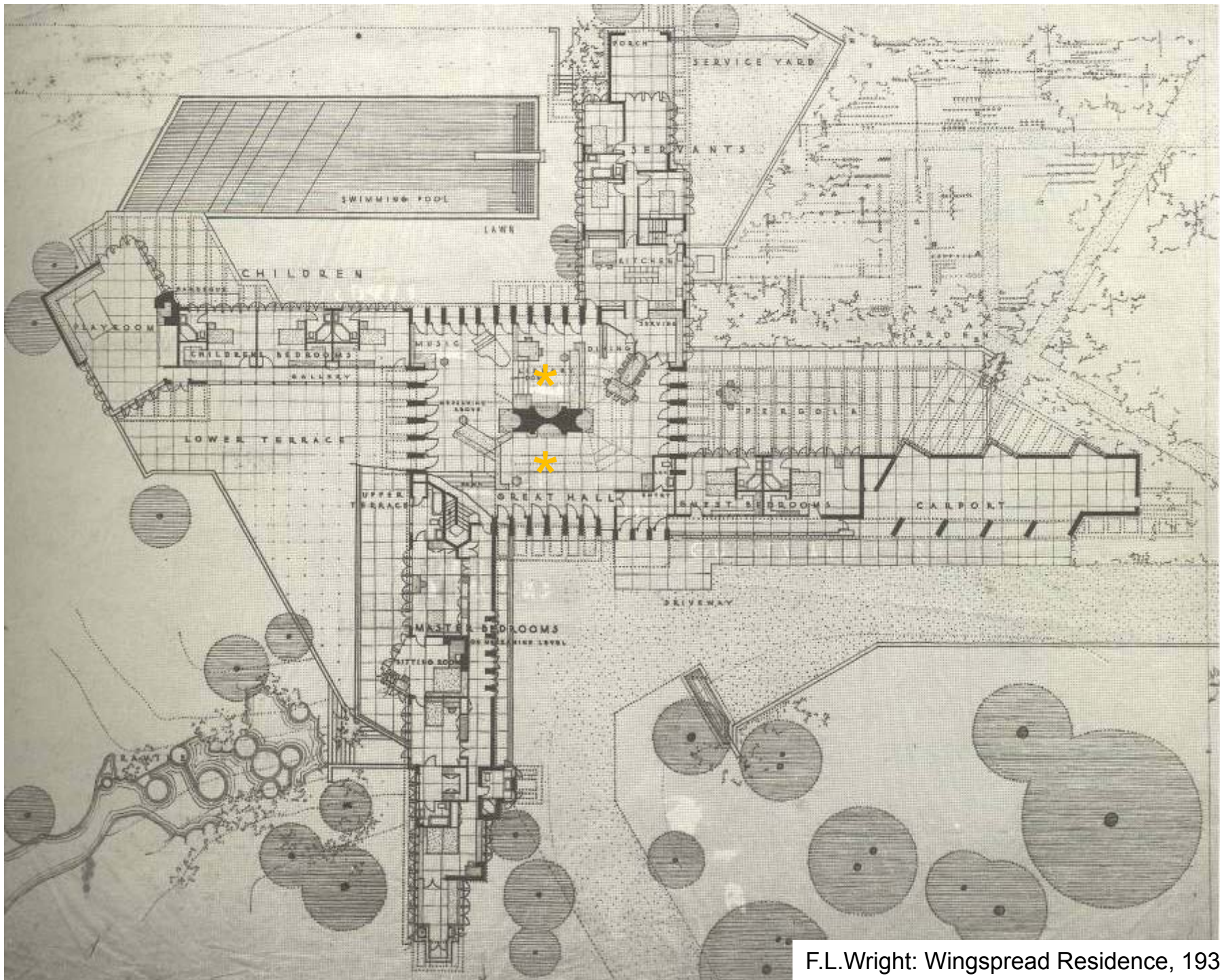




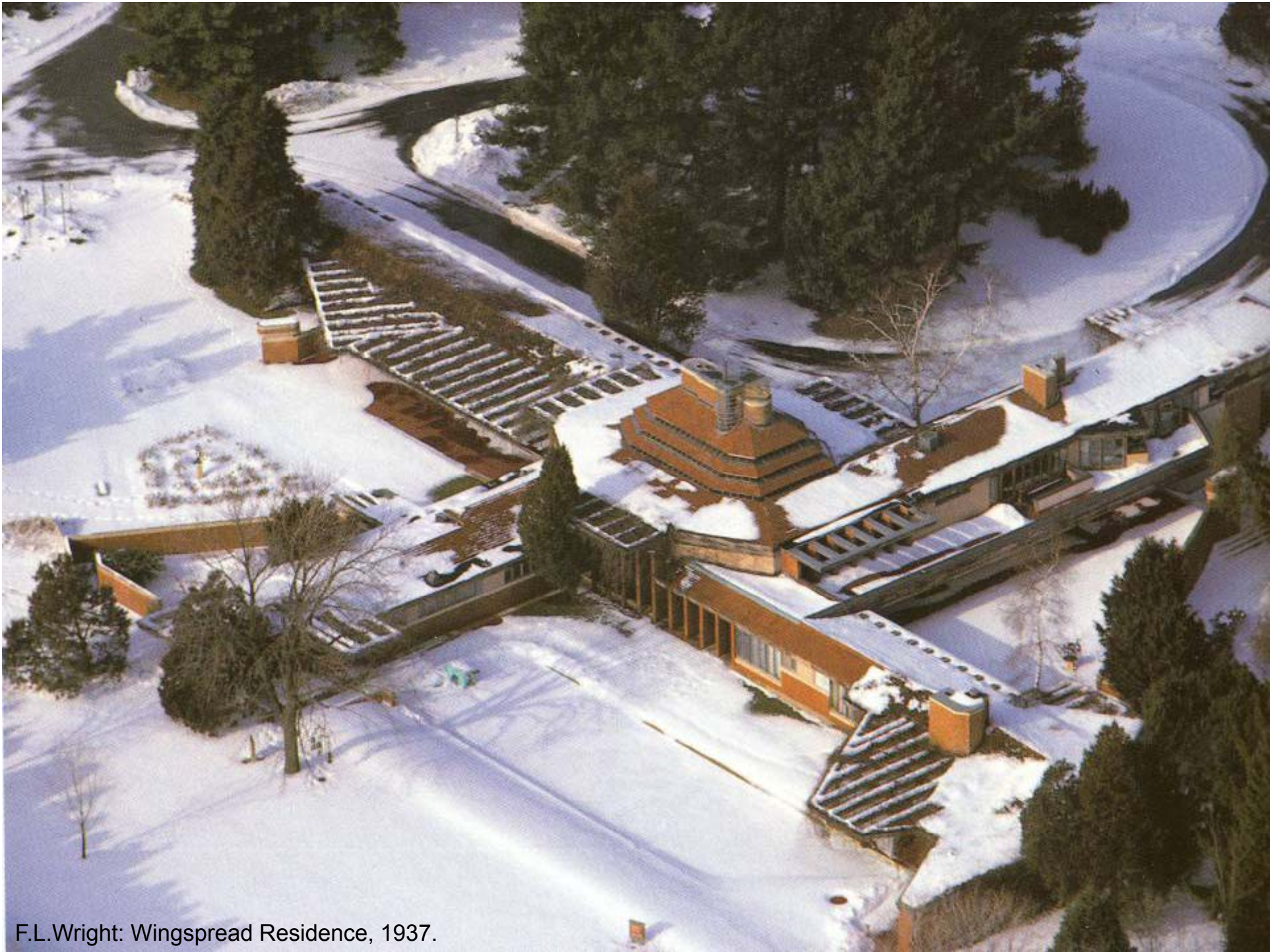
Japan



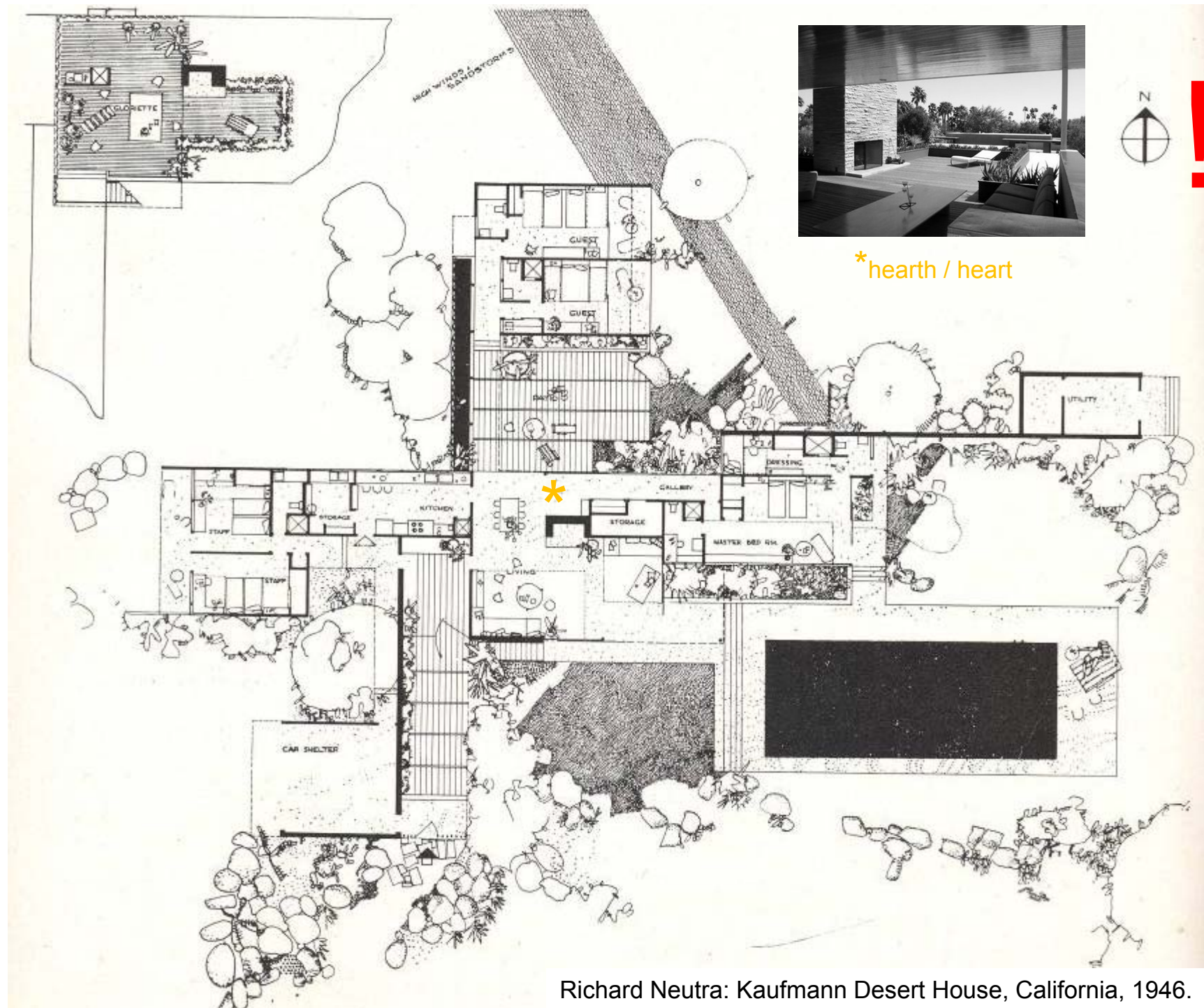
Nizozemska 1990te



F.L.Wright: Wingspread Residence, 1937.



F.L.Wright: Wingspread Residence, 1937.



Richard Neutra: Kaufmann Desert House, California, 1946.





FLOATING HOUSE – WATER HOUSE



**Prof. Teufik Galijašević- morski vuk**







arhitektura grada





Arhitektura



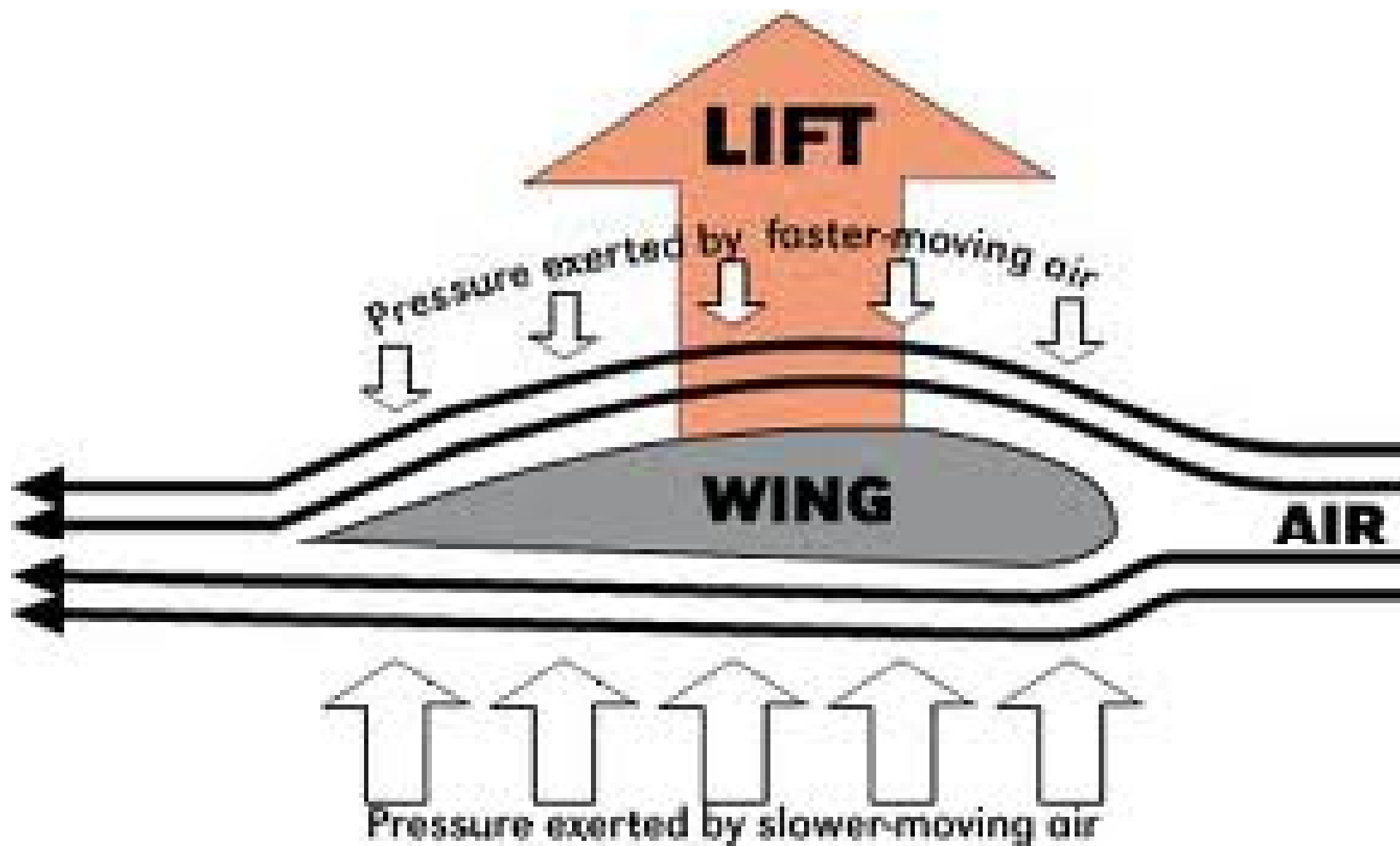


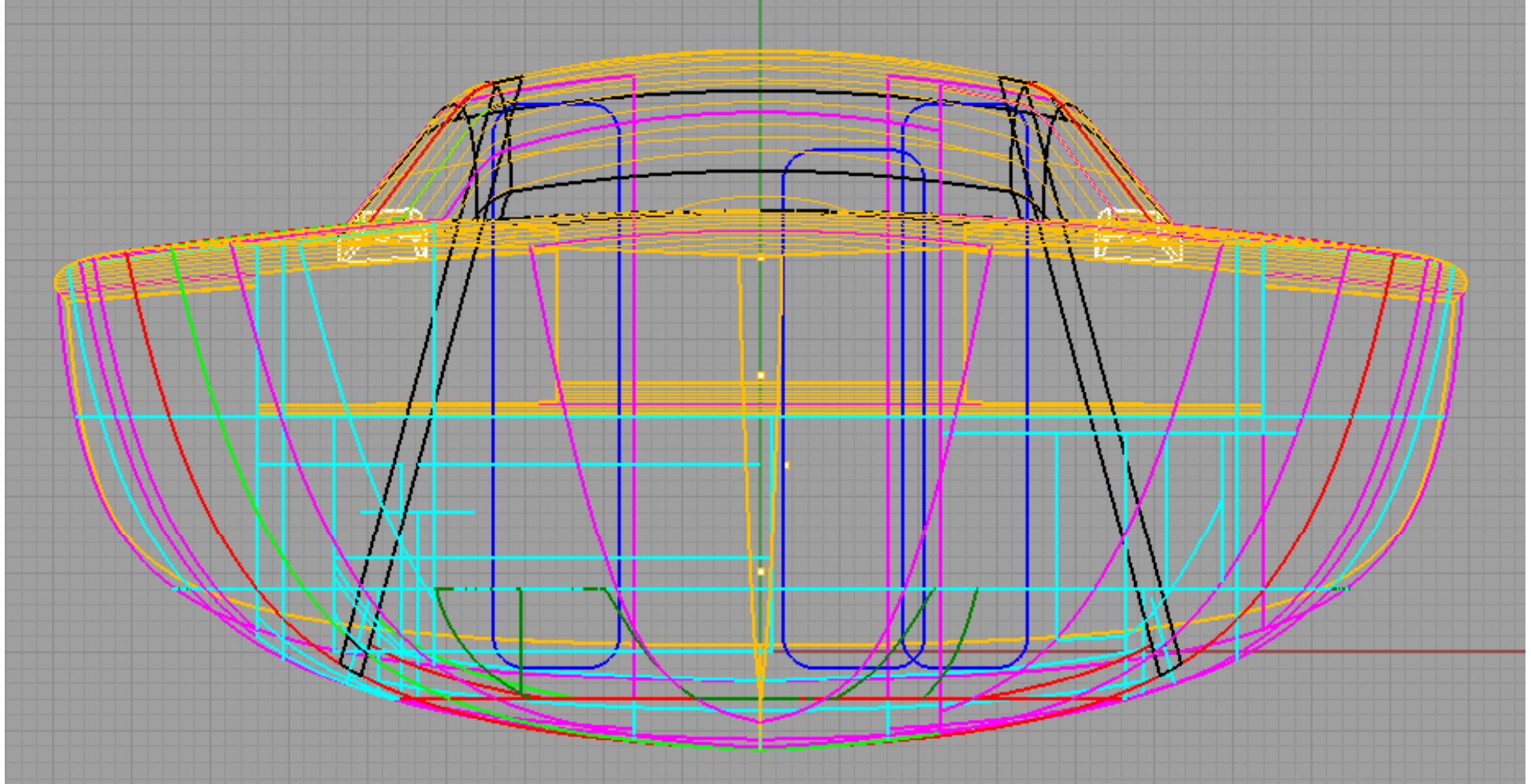




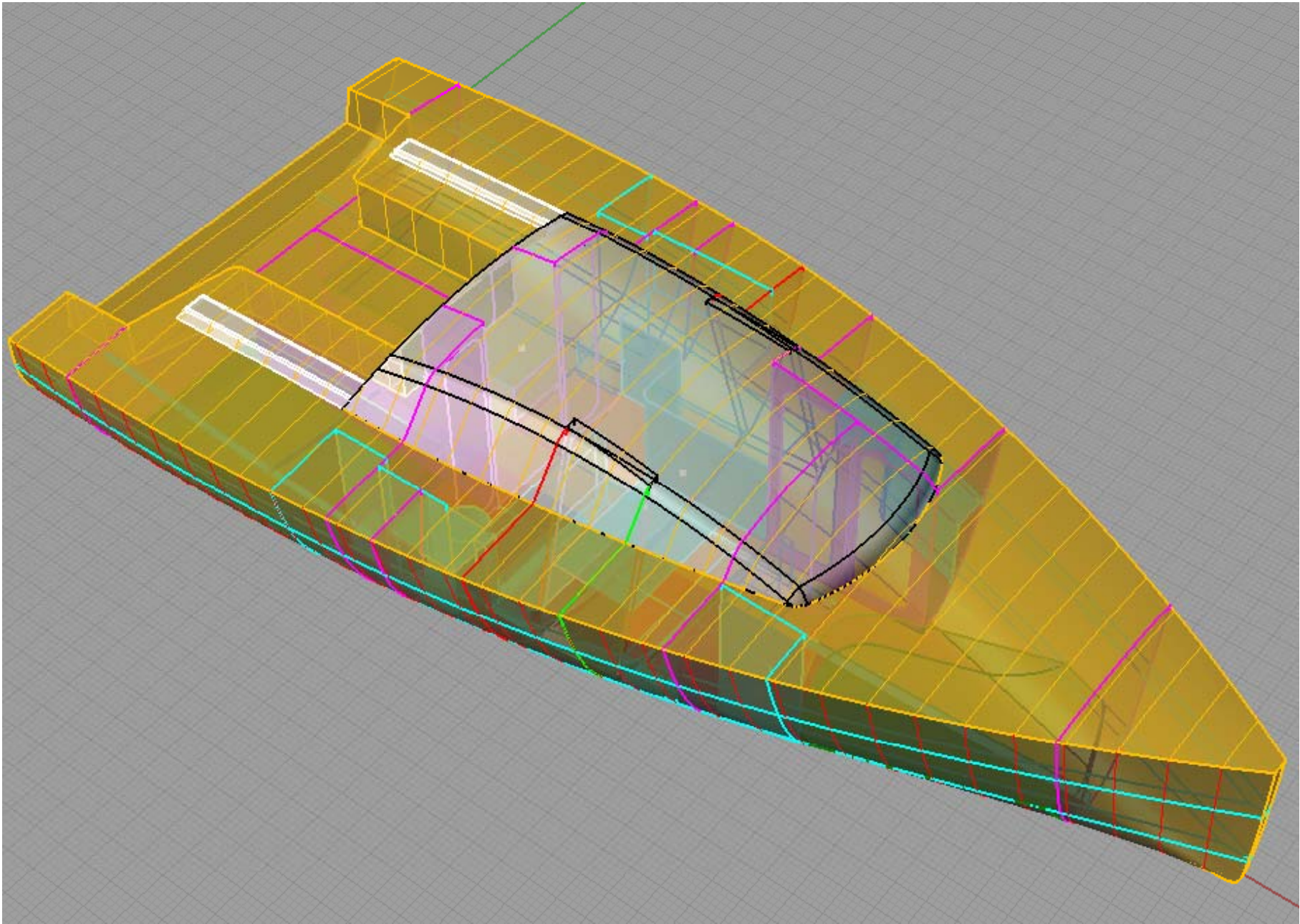


Manfred Thompson: REGATA SAMACA OKO SVIJETA, 2013.





Teufik Galijašević: JEDRILICA 10M, projekt, 2006.



Teufik Galijašević: JEDRILICA 10M, projekt, 2006.



Teufik Galijašević: JEDRILICA 10M, projekt, (maketa, 6 m) 2006.



Teufik Galijašević: JEDRILICA 10M, prototip , 2008.



Teufik Galijašević: JEDRILICA 10M, prototip , 2008.



David Raison: MINITRANS REGATA /francuska-brazil/-dizajner, arhitekt, jedričar



jedrenje ili letenje = ?

**American Cup 2013.**



[Starck's 'A', designed for Andrey Melnichenko](#)



philippe starck: steve jobs yacht



Philip Stark : Steve Jobs Yacht



Norman Foster : Super Yacht Ocean Emerald



**Is it a bird's nest? Is it a plane? Zaha Hadid designs a superyacht**

Zaha Hadid designs superyacht for Blohm + Voss



Thomas Heatherwick's river boat design that folds back into itself

Thomas Heatherwick's river boat design that folds back into itself





NEMO PROPHETA IN PATRIA

Floating house on the Kwai river Kanjanburi, Thailand



Annamese, Floating House, circa eighteen century to present day. Vietnam

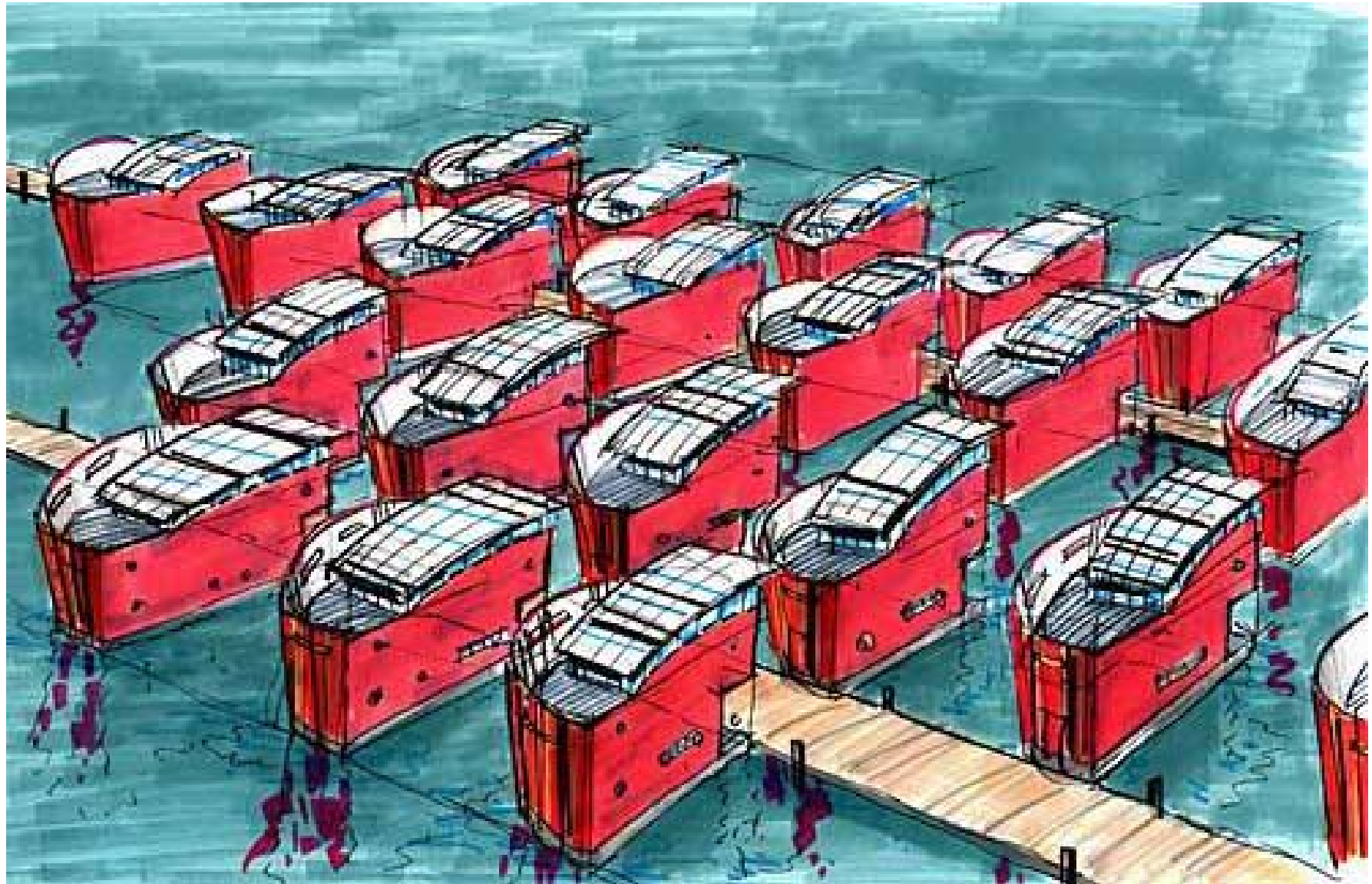


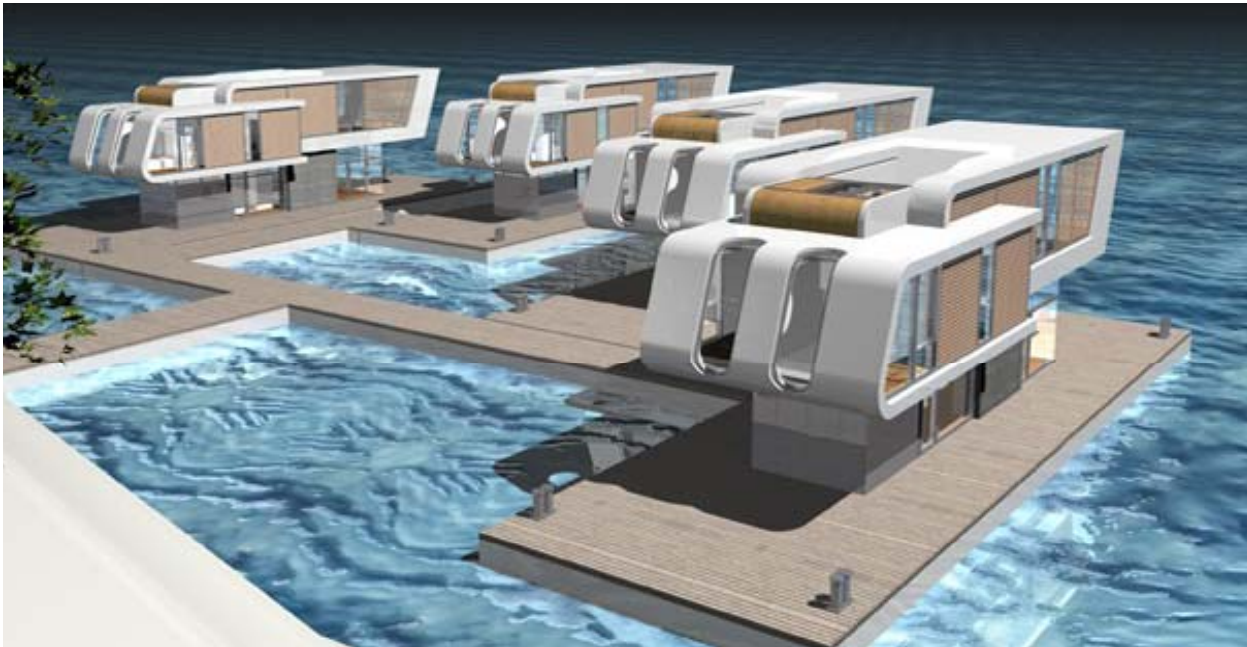






**Two-third of Netherlands is below sea level**, that's why the country is protected by an ingenious system of "polders" and strong flood barriers. Now those methods are mentioned as old techniques or defenses against water. According to Koen Olthius from Waterstudio, the safest place to be is actually the water, so instead of building barriers we should work with water and build a floating architecture.





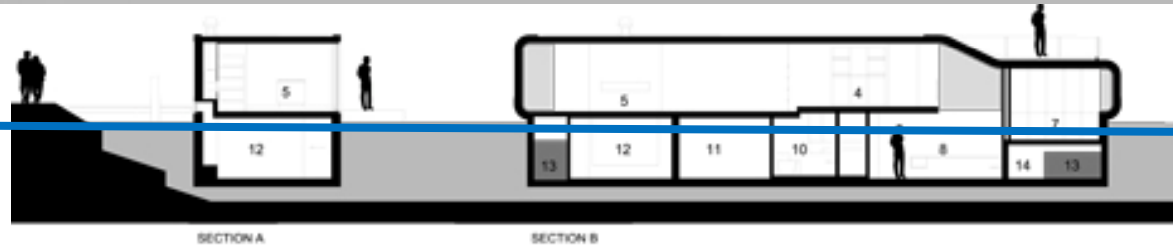


## Herman Hertzberger's Floating Houses in the Netherlands

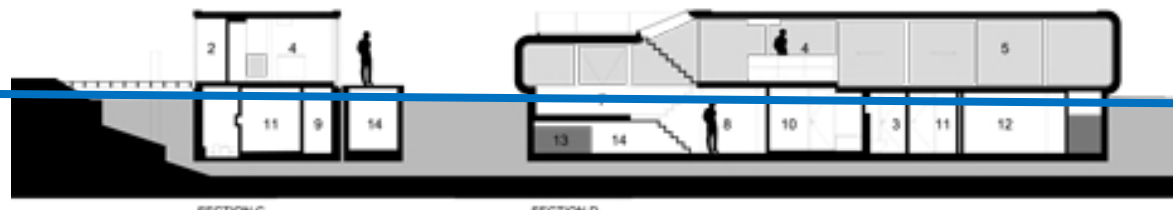




**Watervilla by +31 Architects**



**Watervilla by +31 Architects**

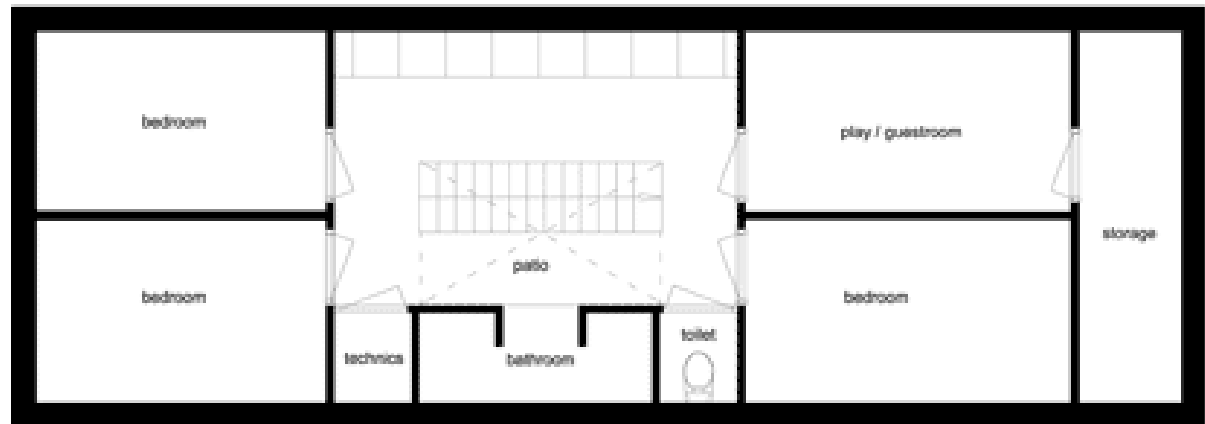
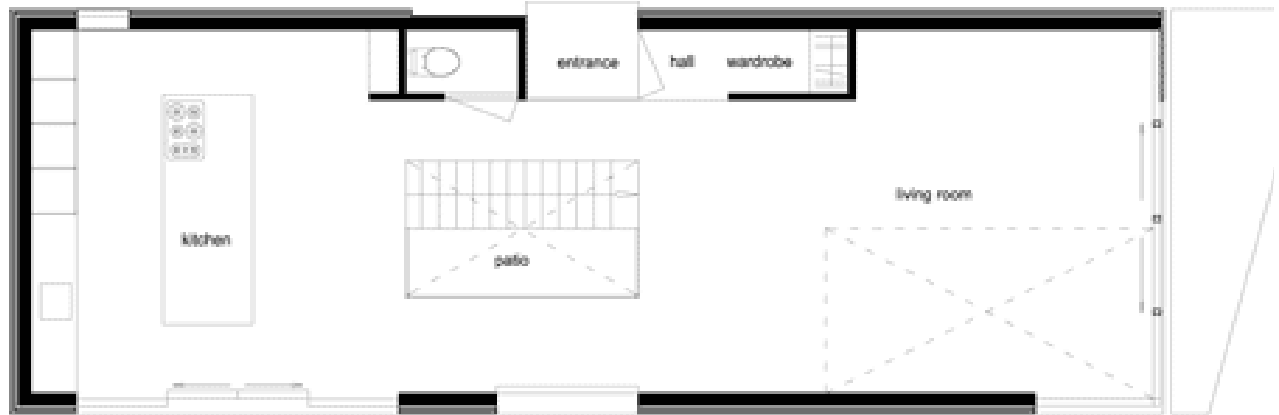
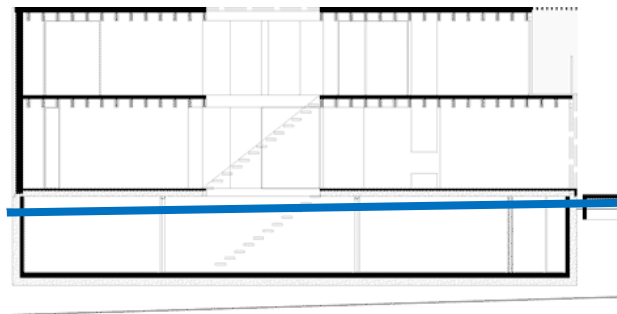


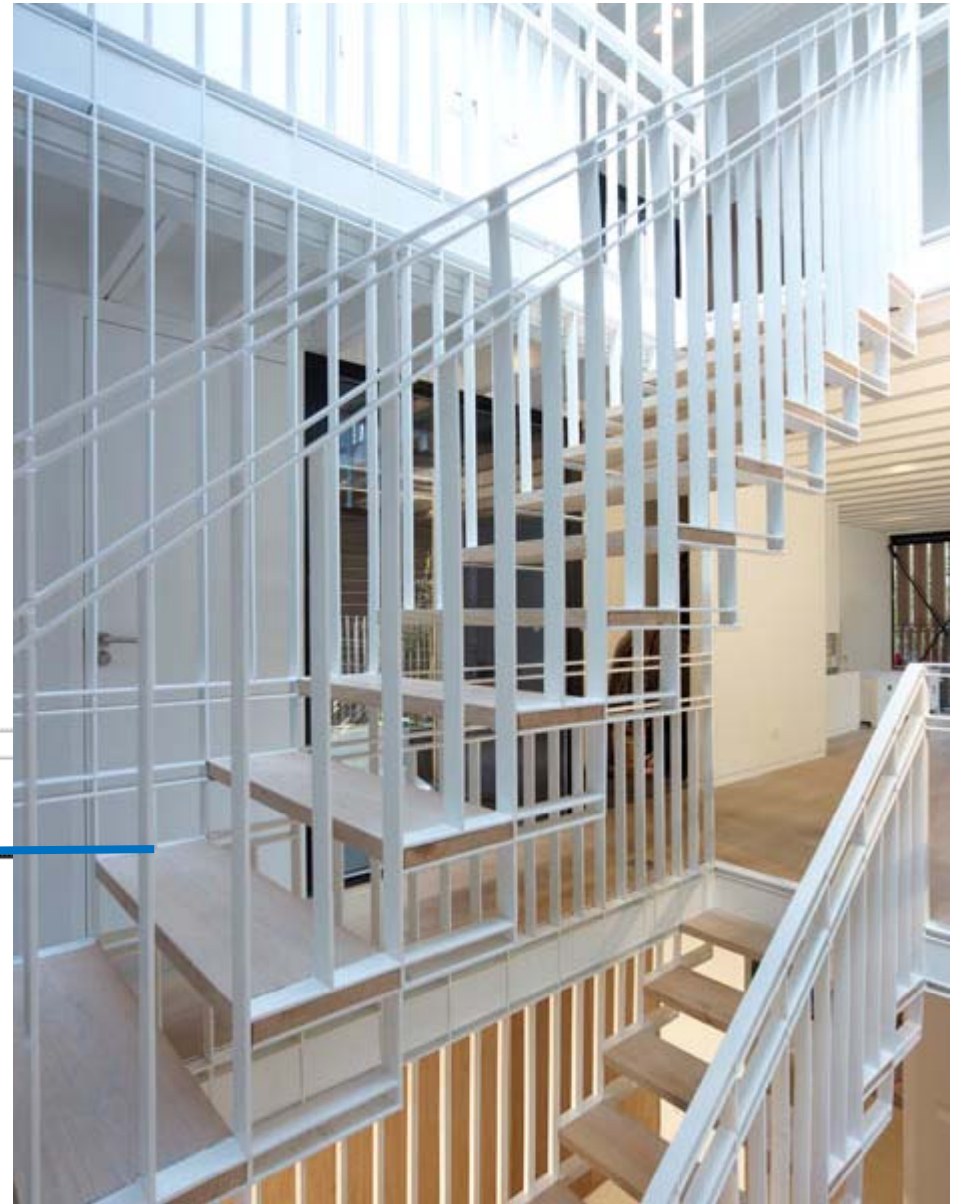
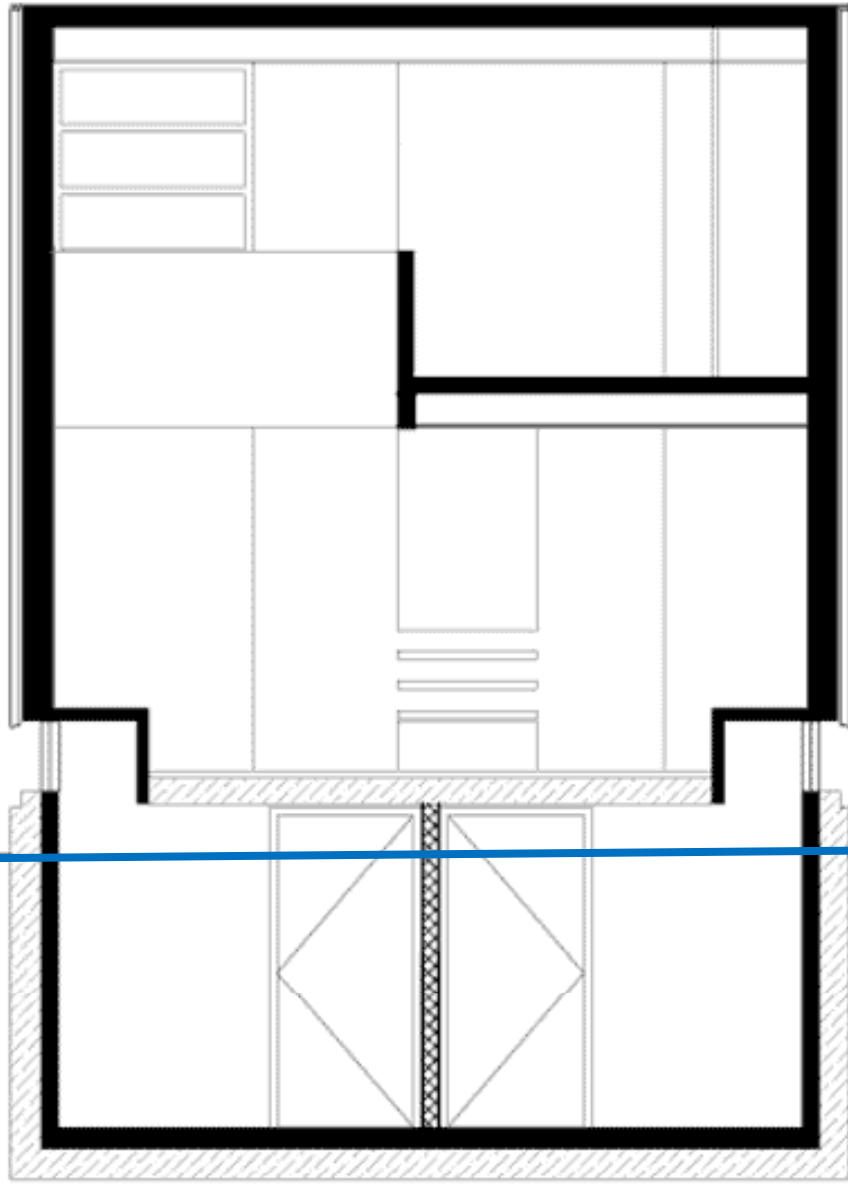


Watervilla by +31 Architects



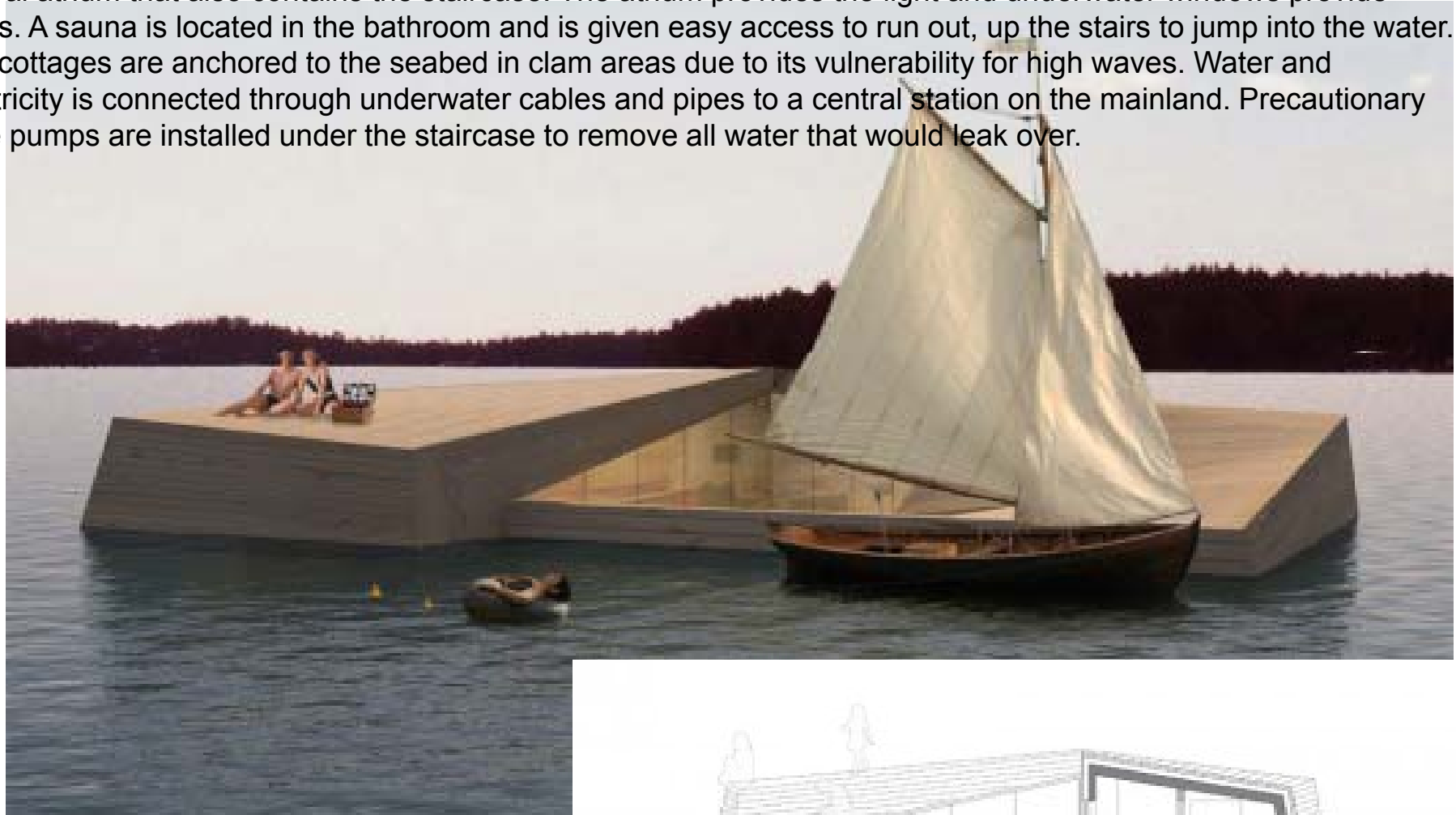
Framework Architecten  
and Studio Prototype.



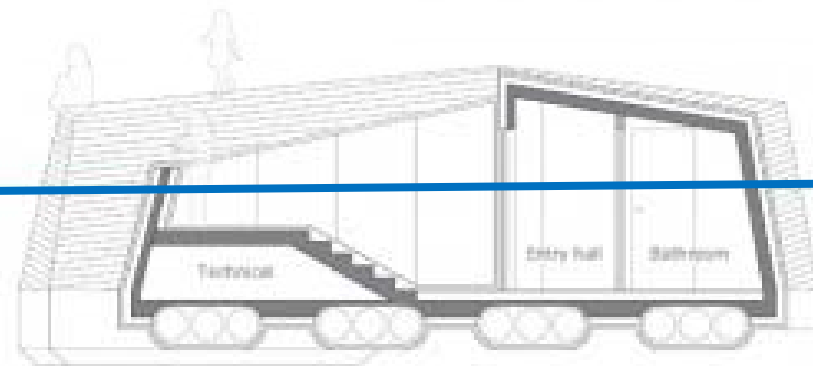


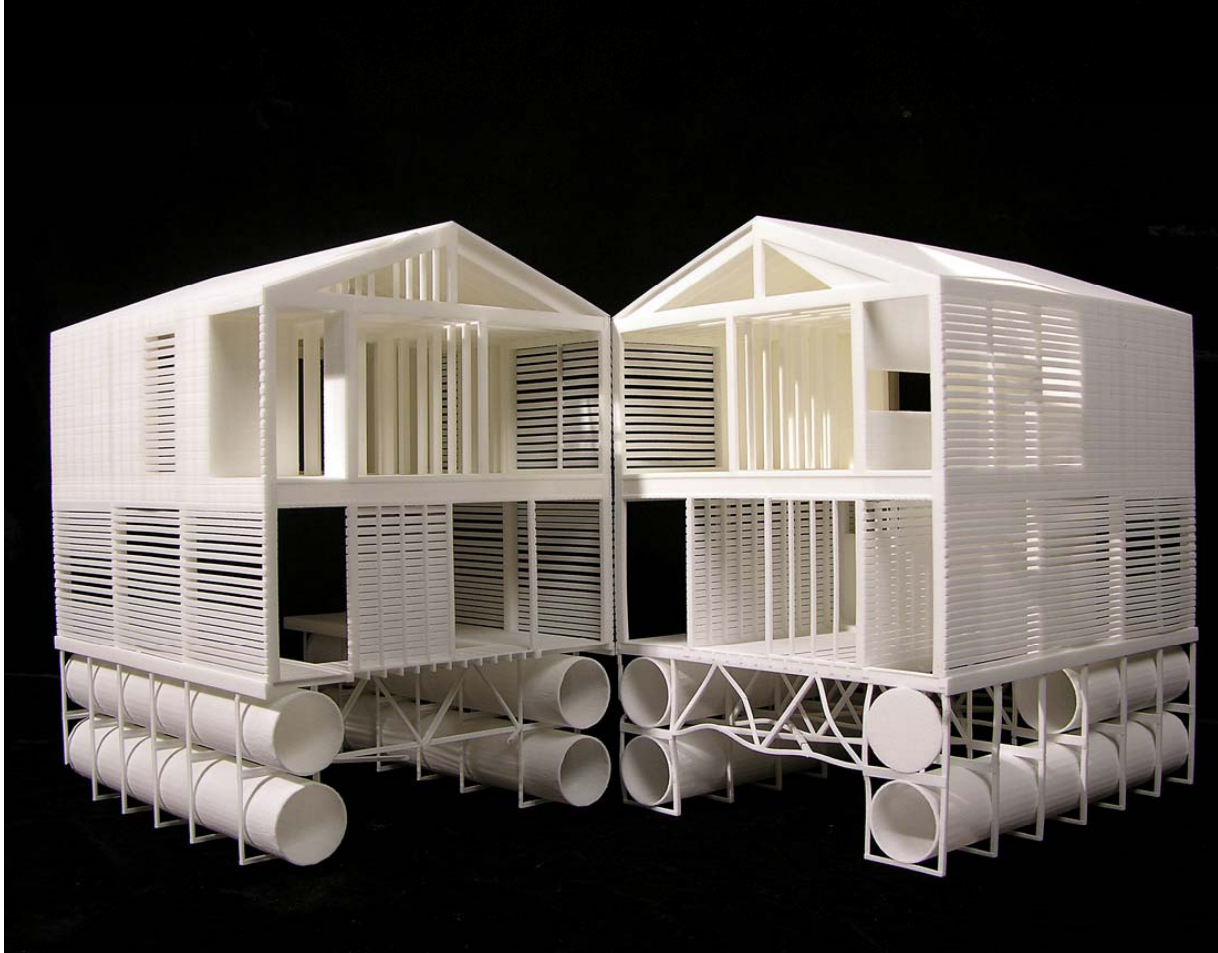


The floor plan is 60m<sup>2</sup> with clear definition between private and public. All functions are arranged around the central atrium that also contains the staircase. The atrium provides the light and underwater windows provide views. A sauna is located in the bathroom and is given easy access to run out, up the stairs to jump into the water. The cottages are anchored to the seabed in clam areas due to its vulnerability for high waves. Water and electricity is connected through underwater cables and pipes to a central station on the mainland. Precautionary bilge pumps are installed under the staircase to remove all water that would leak over.



[Daniel Andersson](#) shared with us his project Icebergs. An iceberg only shows the tip above the water surface, the rest stays hidden below. These floating summer cottages in sheltered bays and lakes around Åland Islands, [Finland](#) investigates this concept. See more images and architect's description after the break.









You Tube\_Waterwoningen IJburg (9:22)

You Tube\_bouwen-drijvende-ijburg.avi (44:15)

You Tube\_Steigereiland IJburg te Amsterdam /Block Waterbuurt (3:48)

IJburg West

IJburgbaai

'Het Blauwe Huis" by Atelier DUTCH

Diemen- Noord

Image © 2013 Aerodata International Surveys

©2013 Google

Google earth

Waterwoningen  
Amsterdam, NL, 2001-2011, woningbouw

[Film Discovery Channel](#)

[Film Deutsche Welle](#)

[Film 13e Architectuur Biënnale  
van Venetië](#)

[Film BBC The Culture Show](#)

2001/200

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Google earth



**Waterwoningen IJburg** - Architectenbureau Marlies Rohmerby



A house module being towed into position. The modules are constructed in a shipyard and floated to site



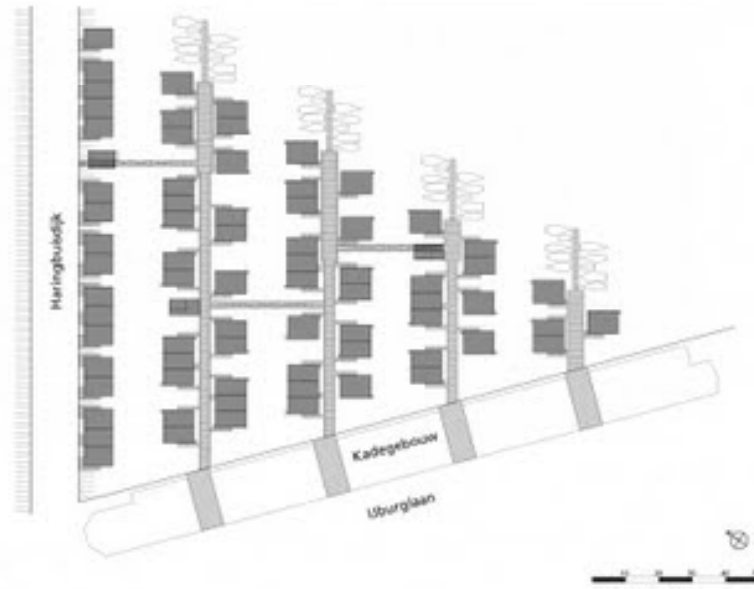
**Waterwoningen IJburg** - Architectenbureau Marlies Rohmerby



YouTube\_Waterwoningen IJburg (9:22)

YouTube\_bouwen-drijvende-ijburg.avi (44:15)

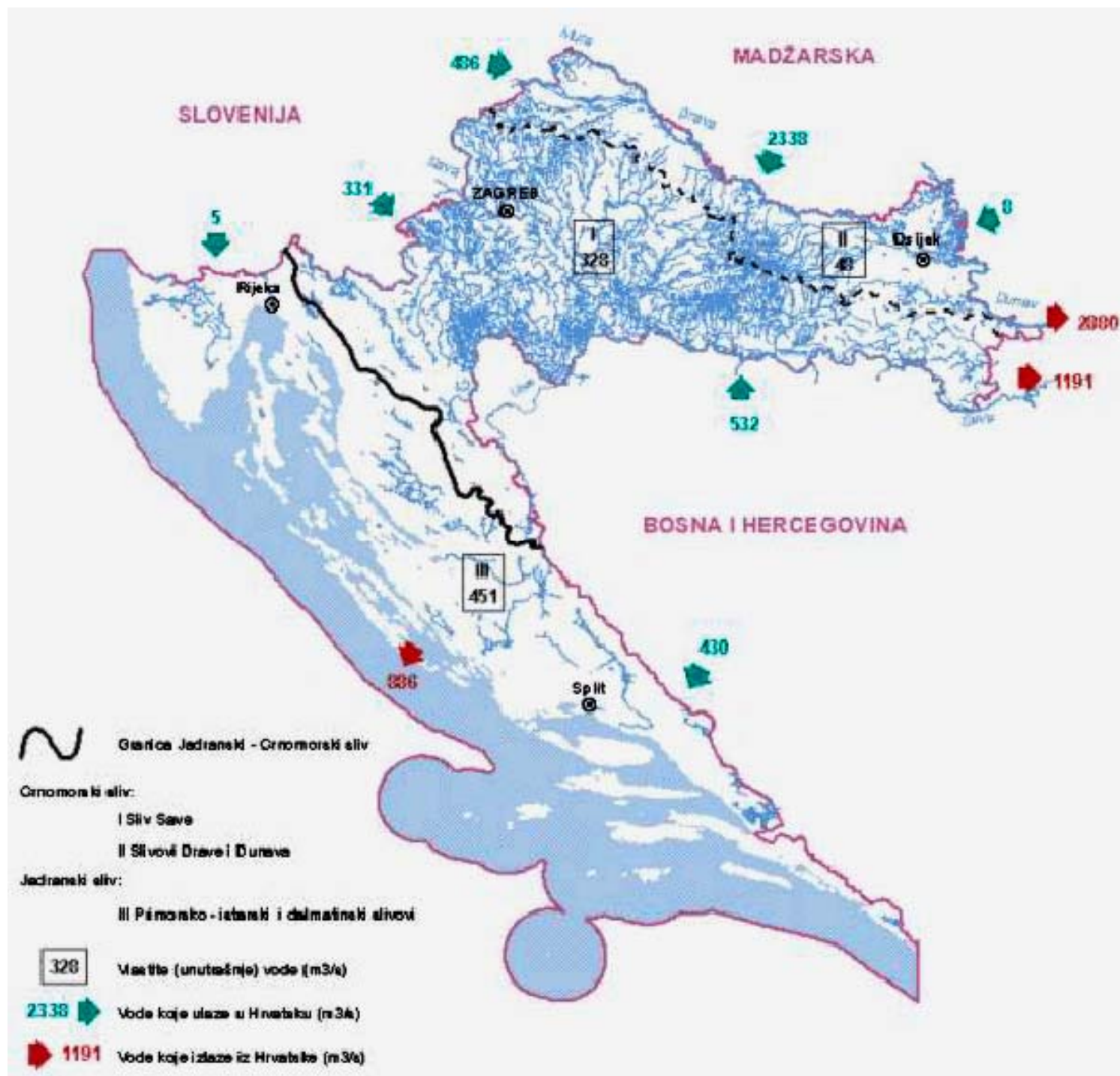
YouTube\_Steigereiland IJburg te Amsterdam  
/Block Waterbuurt (3:48)

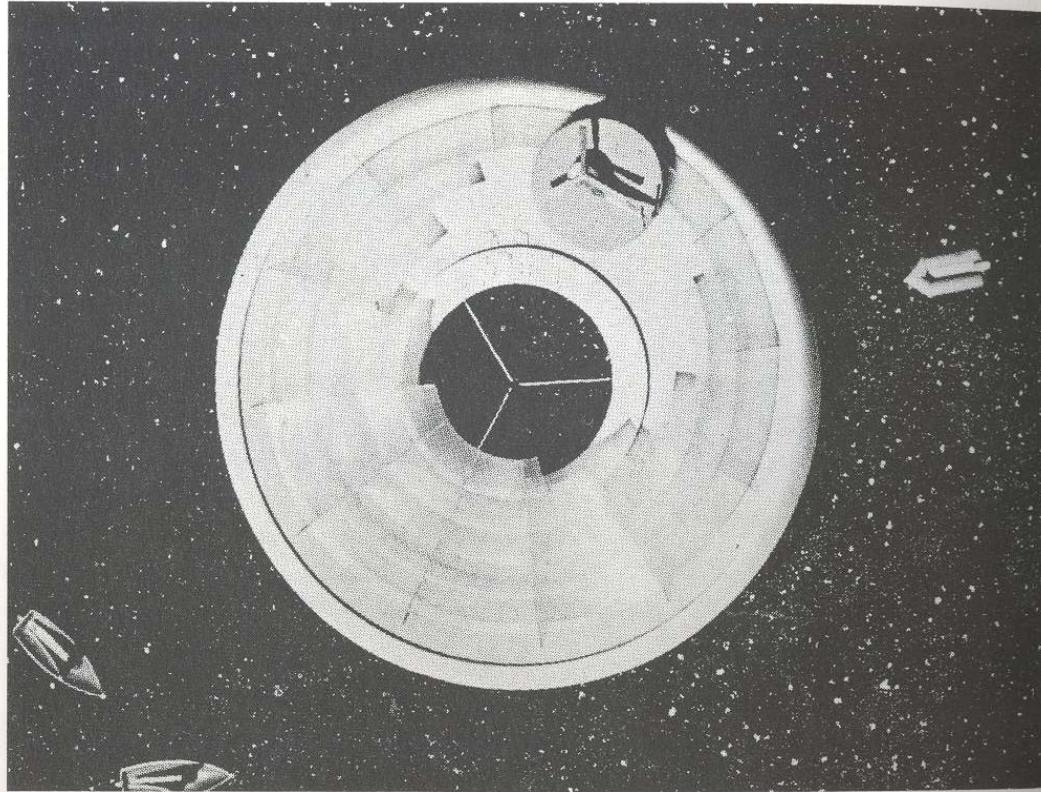




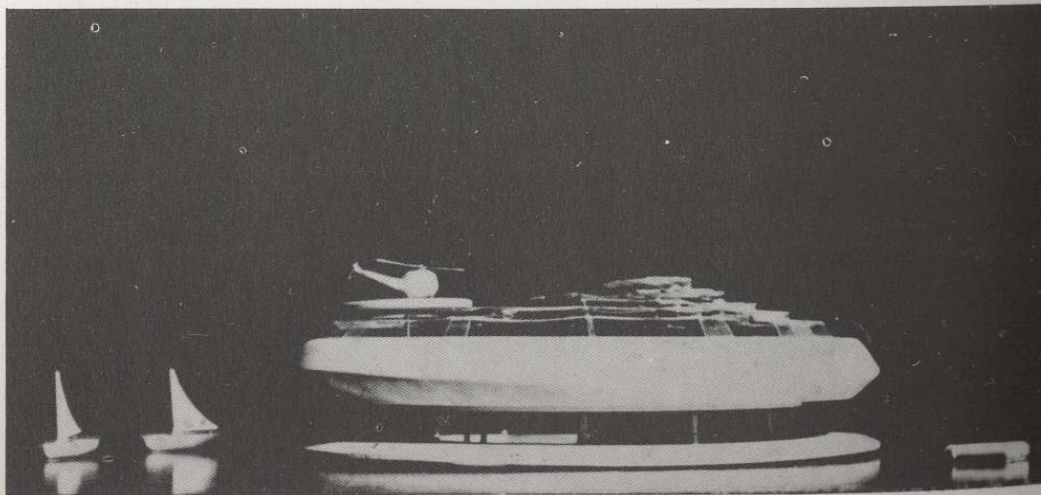
**Waterwoningen IJburg**







**Vojteh Delfin: HIDROID, 1966.**





[Underwater Vehicles](#), maker of commercial subs, portable decompression chambers, and the like, has a series of beautiful, highly impractical, semi-submarine dwellings by Italian naval architect **Giancarlo Zema**. They all feature space-age design and submerged underwater viewing platforms. The **Trilobis floating home**, in particular, is also geared for greenness, with hydrogen fuels, solar panels, and photovoltaic windows to keep down fuel costs. Your new abode can reach **7 knots of speed**. It's not suitable for ocean crossings but is instead intended for exploring coves and inlets. This whimsical/practical lodging solution seems particularly well-suited for luxury seaside tourist destinations, marine scientists, and fans of *The Life Aquatic*.

What: Trilobis 65 Habitat

How much: \$4 million to \$5 million





NEMO PROPHETA IN PATRIA



NEMO PROPHETA IN PATRIA

