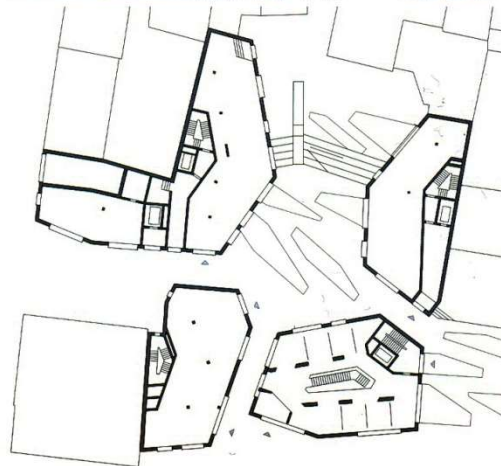
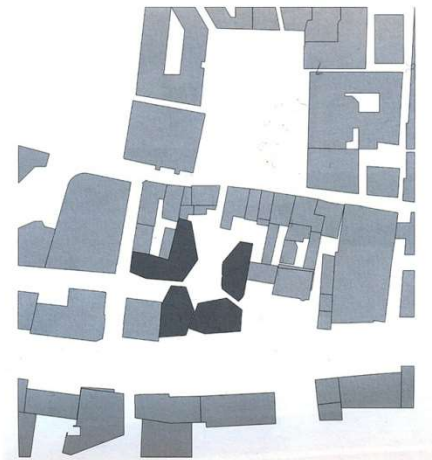
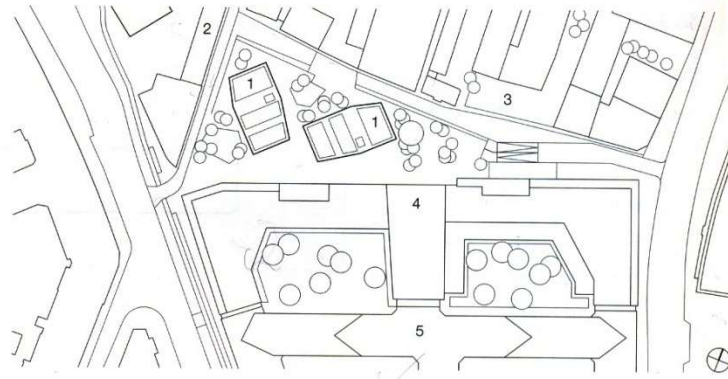


# SONNENHOF. J. Mayer Architects. Jena, Germany

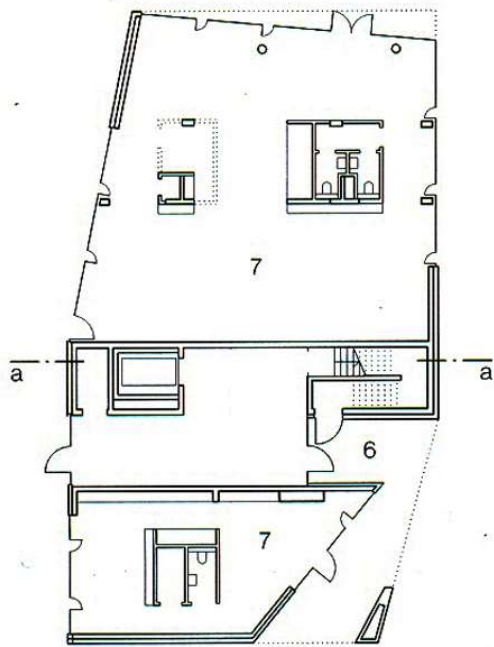


**Wohnhaus in Hamburg. Apartment House in Hamburg**  
**Architekt: Carsten Rath Architekt, Hamburg**

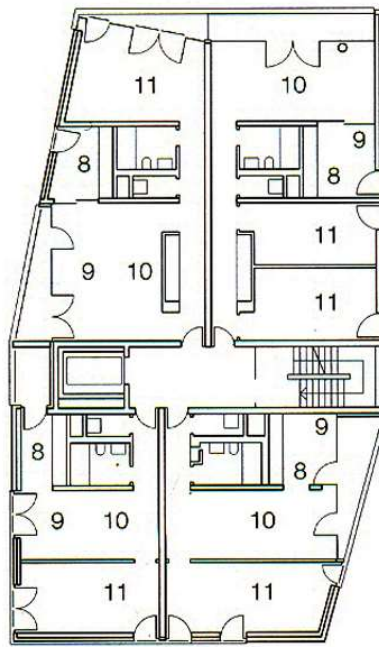


Site plan  
scale 1:2000  
1 Recently completed  
apartment house  
2 Bäckerbreitergang  
(street)  
3 Gänge district  
4 Recently completed  
office building  
5 Axel Springer  
Publishing

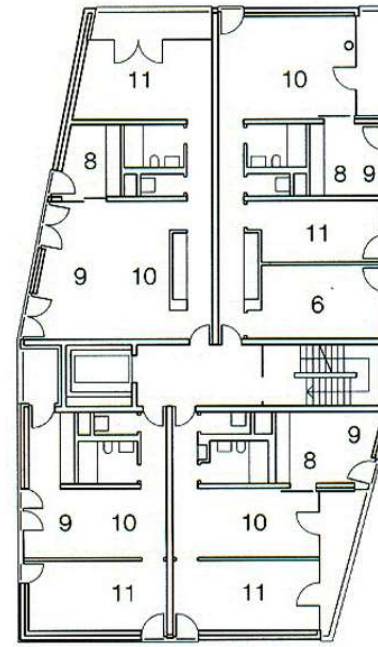




Ground floor

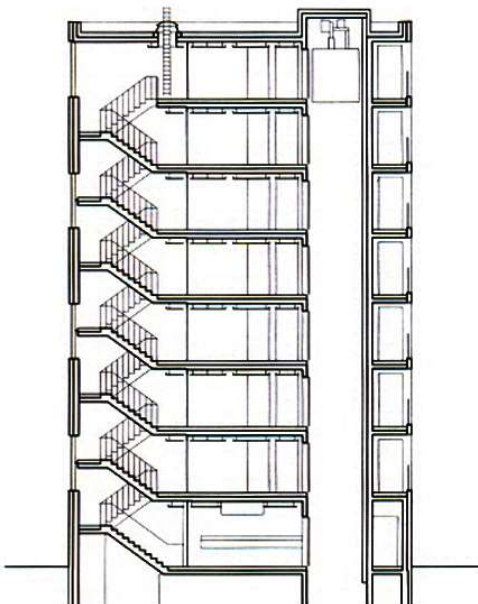


First, third, fifth and seventh floors



Second, fourth and sixth floors

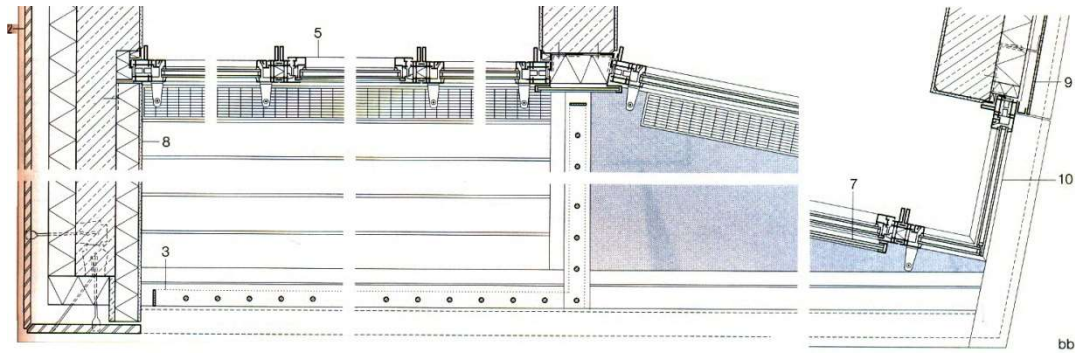
- Layout plan  
scale 1:400
- 6 Entrance
  - 7 Office
  - 8 Kitchen
  - 9 Dining
  - 10 Living
  - 11 Bedroom



aa



**Detail, №7-8, 2009, p.754-758**



Section scale 1:500

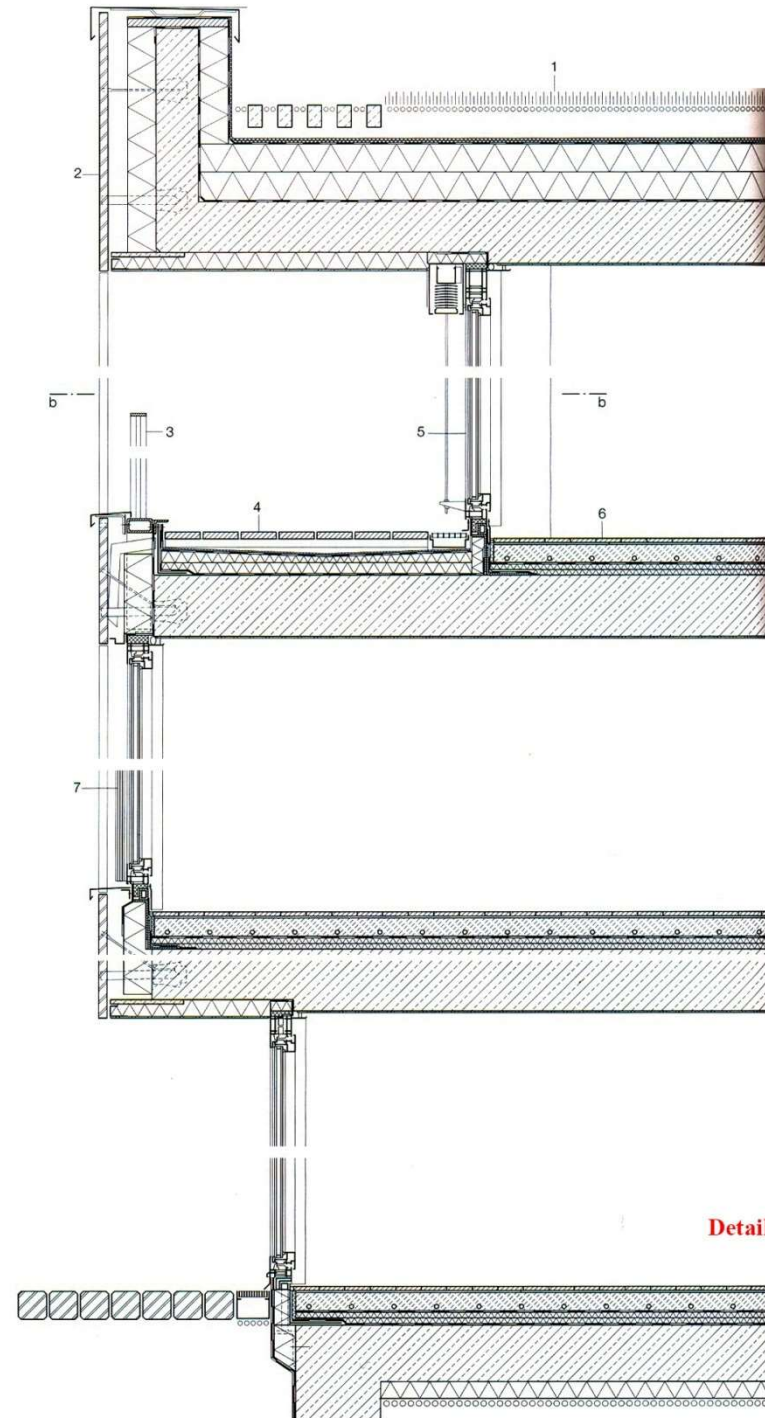
Vertical section  
Horizontal section  
scale 1:20



- 1 extensive green roof:  
80 mm substrate layer  
25 mm drainage mat  
5 mm protection and storage mat  
8 mm protective mat  
sealing layer  
130 mm–200 mm rigid foam thermal insulation to falls  
100 mm rigid foam thermal insulation  
vapour barrier
- 2 30 mm sandstone on stainless-steel support  
70 mm ventilated cavity  
100 mm mineral wool thermal insulation laminated to black fibreglass mat
- 3 balustrade: 55/10 mm of steel flat  
Ø 16 mm tubular steel baluster
- 4 120/24 mm yellow balau profile  
50/30 mm battens  
levelling battens  
protective mat  
20–40 mm rigid foam thermal insulation to falls  
40 mm rigid foam thermal insulation  
vapour barrier/  
bituminous underlayment  
220 mm reinforced concrete deck  
6 mm plaster
- 5 operable sash,  
aluminium profile with double glazing:  
6 mm float glass + 16 mm cavity+  
8 mm laminated safety glass  
Ø 16 mm tubular steel baluster
- 6 15 mm adhesive parquet  
65 mm heating screed  
separating layer  
20 mm thermal insulation  
20 mm impact sound insulation  
sealing layer(on ground floor only)
- 7 laminated safety glass balustrade:  
2x 8 mm toughened glass
- 8 ETICS:  
15 mm white finishing rendering on scraped rendering  
rendering base  
60–100 mm rigid foam ins. board
- 9 8 mm wood composite board  
riveted to aluminium structure  
42 mm ventilated cavity  
100 mm mineral wool thermal insulation laminated to black fibreglass mat  
220 mm reinforced concrete  
10 mm plaster
- 10 fixed double glazing, alum. profile:  
2x 4 mm lam. safety gl. + 16 mm cavity + 6 mm toughened glass

Schnitt Maßstab 1:500

Vertikalschnitt  
Horizontalschnitt  
Maßstab 1:20



- 1 extensive Begrünung  
Substratschicht 80 mm  
Drainmatte 25 mm  
Speicherschutzmatte 5 mm  
Bautenschutzmatte 8 mm  
Dachdichtungsbahn  
Wärmedämmung Hartschaum  
im Gefälle 130-200 mm  
Wärmedämmung Hartschaum  
100 mm  
Dampfsperre
- 2 Sandstein 30 mm  
auf Edelstahlkonsole  
Hinterlüftung 70 mm  
Wärmedämmung Mineralwolle  
mit schwarzem Vlies kaschiert  
100 mm
- 3 Geländer aus Flachstahl  
ca 55/10 mm  
Füllstab Rundstahl Ø 16 mm
- 4 Holzbohle Bankirai 120/24 mm  
Traglattung 50/30 mm  
Ausgleichslattung  
Bautenschutzmatte  
Gefälledämmung,  
Hartschaum 20-40 mm  
Wärmedämmung,  
Hartschaum 40 mm  
Dampfsperre /  
Notdeckung Bitumenbahn  
Stahlbetondecke 220 mm  
Putz 6 mm
- 5 Öffnungsflügel Aluminiumprofil  
mit Isolierverglasung Float 6 mm +  
SZR 16 mm + VSG 8 mm
- 6 Fertigparkett 15 mm  
Heizestrich 65 mm  
Trennlage  
Wärmedämmung 20 mm  
Trittschalldämmung 20 mm  
Abdichtung (nur im EG)
- 7 Glasbrüstung VSG aus  
2x ESG 8 mm
- 8 Wärmedämmverbundsystem:  
Feinputz weiß auf Kratzputz 15 mm  
Putzuntergrund  
Wärmedämmplatte Hartschaum  
60-100 mm
- 9 HPL-Platte Deckschicht  
Holzfurnier 8 mm  
auf Aluminiumkonstruktion genietet  
Hinterlüftung 42 mm  
Wärmedämmung Mineralwolle  
mit schwarzem Vlies kaschiert  
100 mm  
Stahlbeton 220 mm  
Putz 5 mm
- 10 Festverglasung Aluminiumprofil  
mit Isolierverglasung VSG 2x  
4 mm + SZR 16 mm + ESG 6 mm

Detail, №7-8, 2009, p.754-758

# Die Baugemeinschaft - ein Wohnbaumodell mit Zukunft. House-Building Cooperatives - a Model for the Future



1 Axonometric of French Quarter in Tübingen



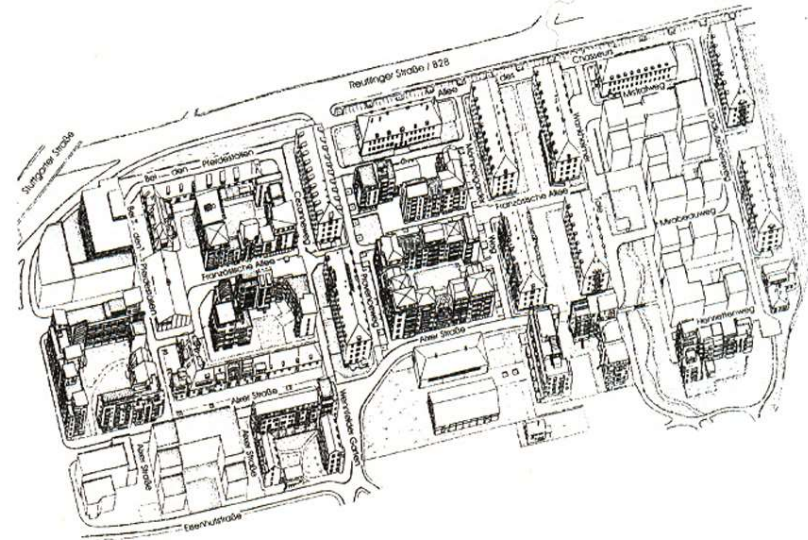
2 Public open space in French Quarter, Tübingen



"Prisma" multi-family housing, Tübingen, 2004;  
architects: Noerenalbus Architecture



Multi-storey housing by the building cooperative  
e3, Berlin, 2008;  
architects: Kaden + Klingbeil  
4th floor plan scale 1:400



Detail, №9, 2008, p.902-906

# Siedlung Steinacker in Zurich. Steinacker Estate in Zurich

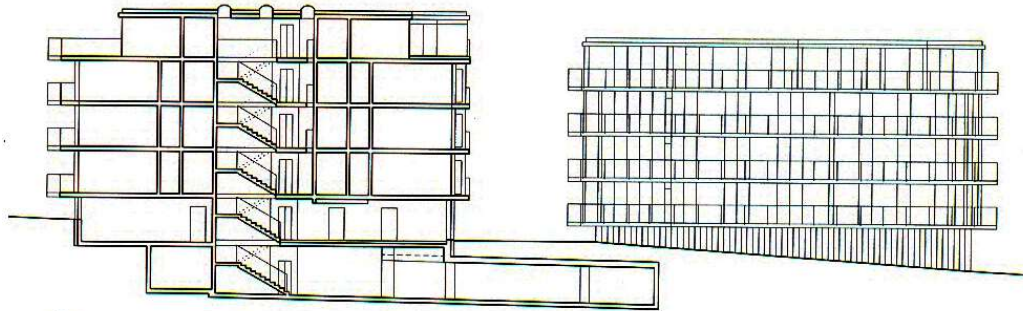
Architekten: Hasler Schlatter Partner, Zurich



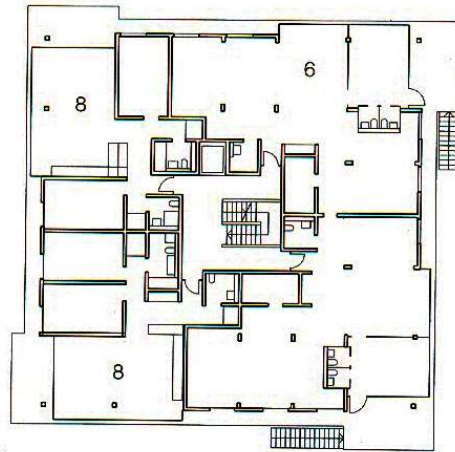
Site plan  
scale 1:5000



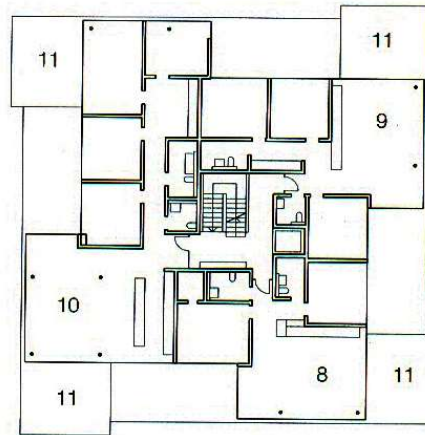
Detail, №9, 2008, p.935-936



aa



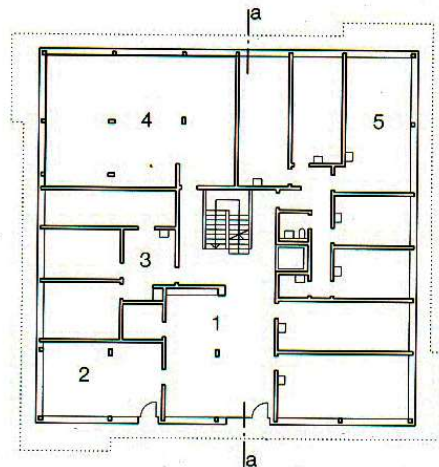
Block 1: first floor kindergarten



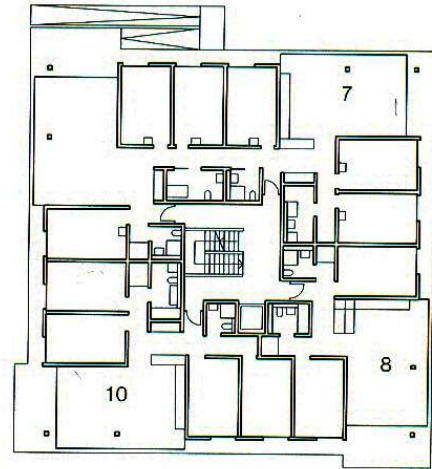
Block 4: fourth floor

Section • Floor plans  
scale 1:500

- 1 Entrance hall
- 2 Bicycle room
- 3 Laundry room
- 4 Basement space
- 5 Hobby room
- 6 Kindergarten
- 7 Care-group dwelling
- 8 3½-room flat
- 9 4½-room flat
- 10 5½-room flat
- 11 Roof terrace



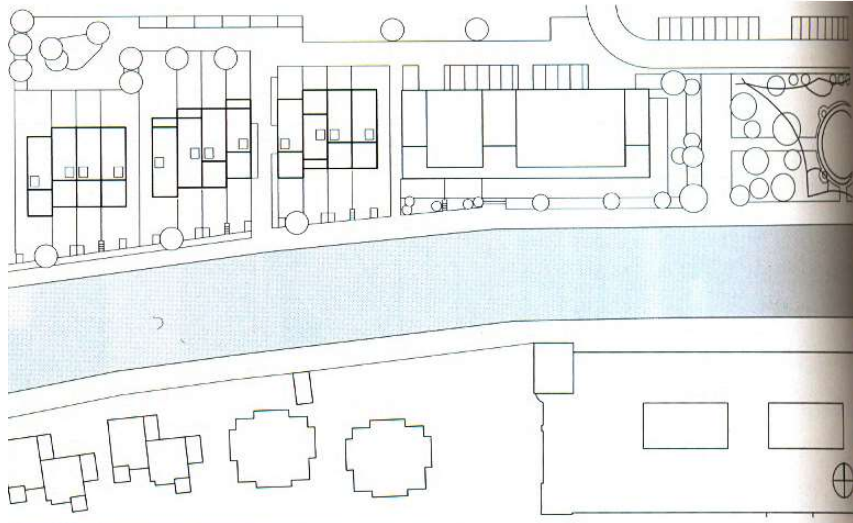
Block 4: ground floor

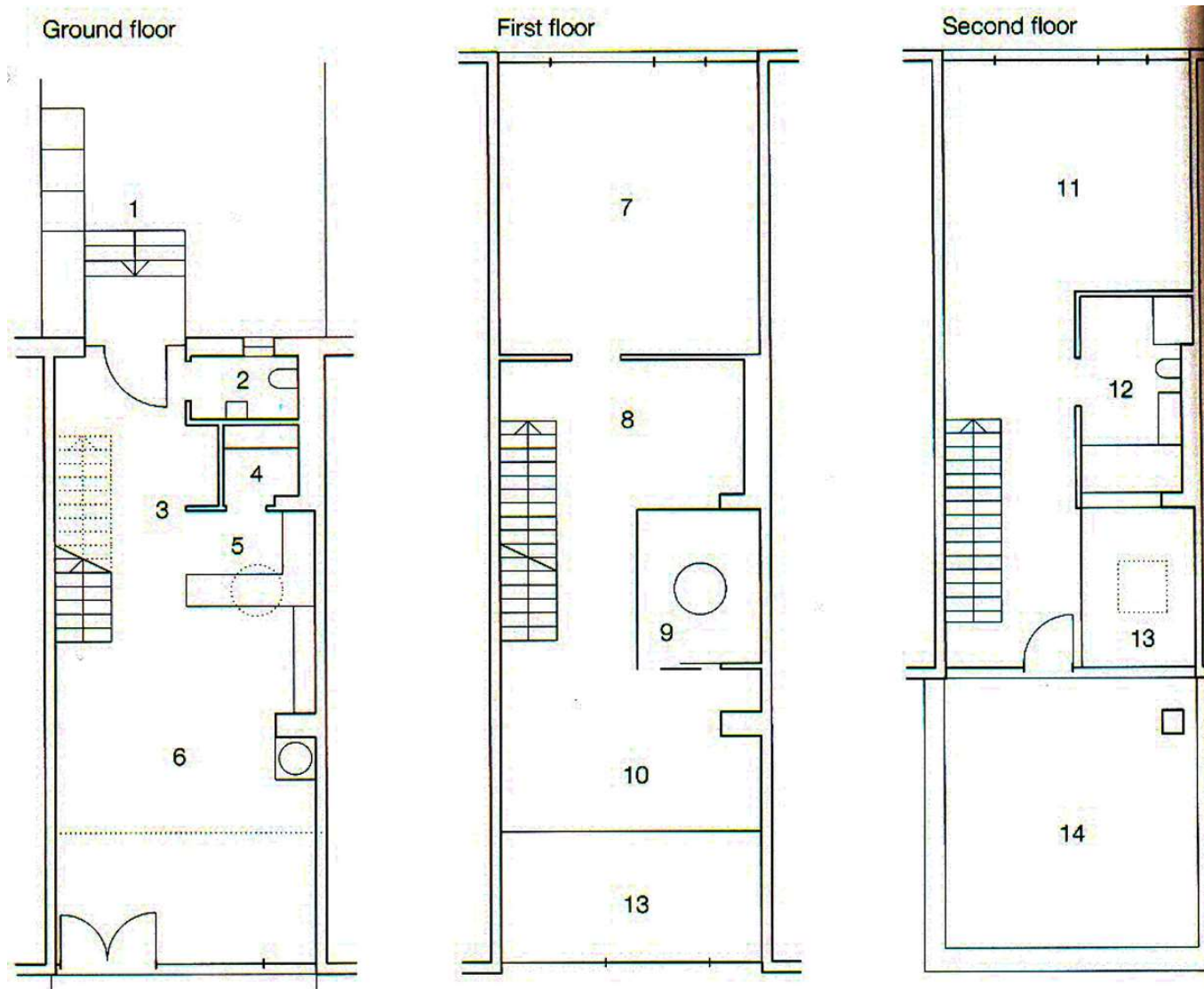


Block 2: first floor care-group dwelling



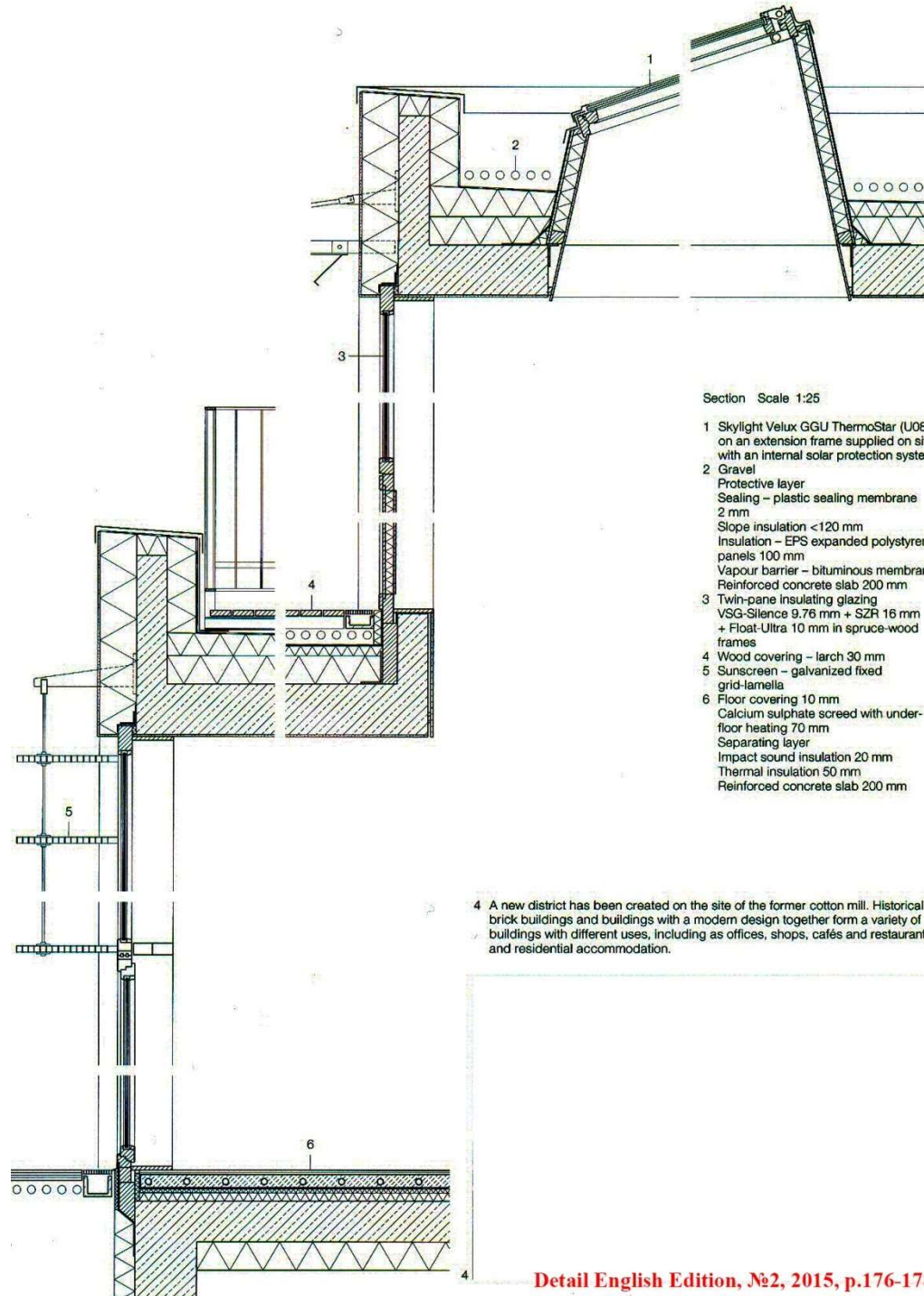
**Loft houses in Kolbenmoor. Architect: Behnisch Architekten, D-Munich**





Floor plan type 1 Scale 1: 200

- |                      |                 |
|----------------------|-----------------|
| 1 Entrance/carport   | 8 Work area     |
| 2 WC                 | 9 Patio         |
| 3 Cloakroom          | 10 Gallery      |
| 4 Storage room       | 11 Bedroom      |
| 5 Kitchen            | 12 Bathroom     |
| 6 Dining/living room | 13 Airspace     |
| 7 Studio             | 14 Roof terrace |



Section Scale 1:25

- 1 Skylight Velux GGU ThermoStar (U08) on an extension frame supplied on site, with an internal solar protection system.
- 2 Gravel  
Protective layer  
Sealing – plastic sealing membrane 2 mm  
Slope insulation <120 mm  
Insulation – EPS expanded polystyrene panels 100 mm  
Vapour barrier – bituminous membrane  
Reinforced concrete slab 200 mm
- 3 Twin-pane insulating glazing  
VSG-Silence 9.76 mm + SZR 16 mm + Float-Ultra 10 mm in spruce-wood frames
- 4 Wood covering – larch 30 mm
- 5 Sunscreen – galvanized fixed grid-lamella
- 6 Floor covering 10 mm  
Calcium sulphate screed with under-floor heating 70 mm  
Separating layer  
Impact sound insulation 20 mm  
Thermal insulation 50 mm  
Reinforced concrete slab 200 mm

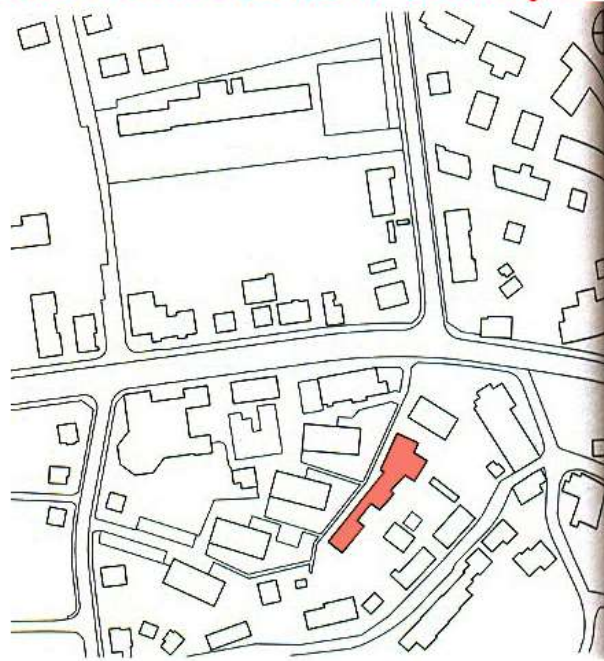
4 A new district has been created on the site of the former cotton mill. Historical brick buildings and buildings with a modern design together form a variety of buildings with different uses, including as offices, shops, cafés and restaurants, and residential accommodation.



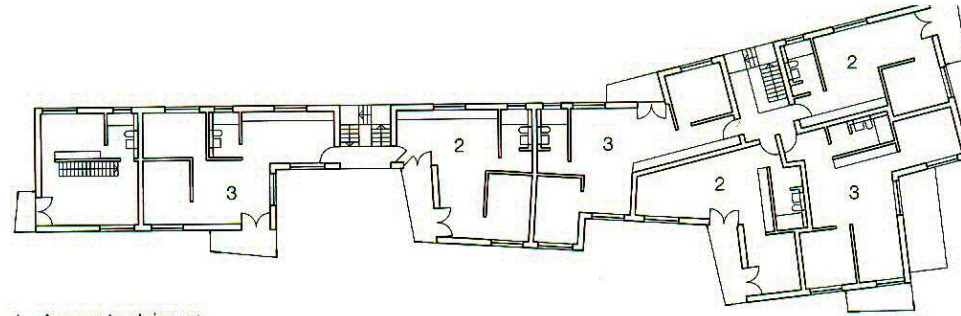
**Detail English Edition, №2, 2015, p.176-178**

## Housing Development in Zurich

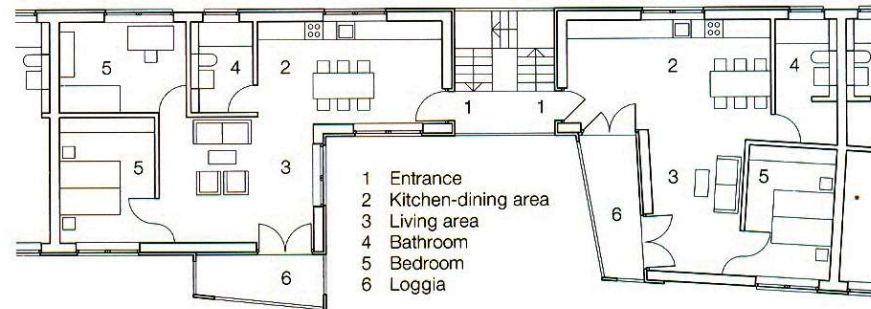
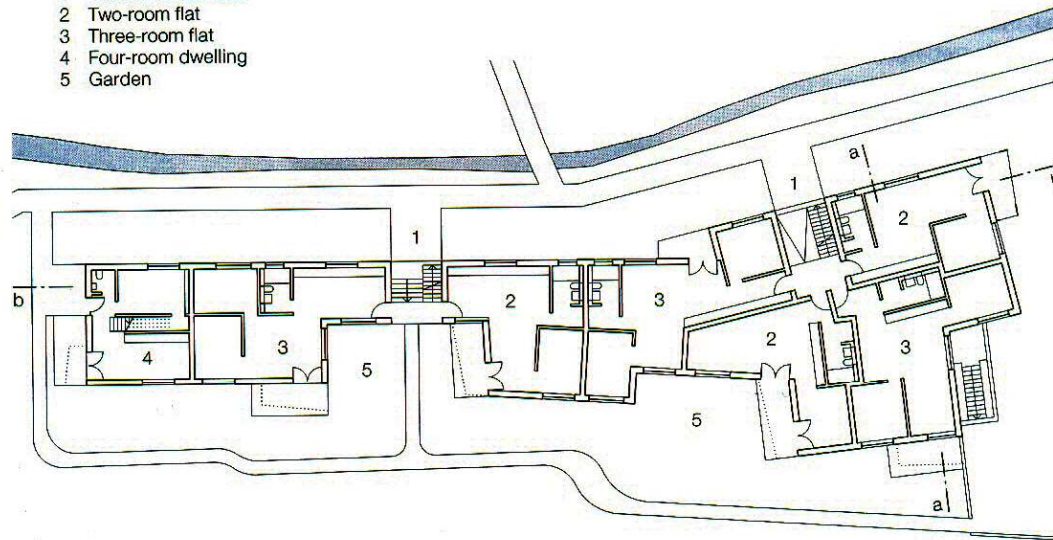
Architects: Edelaar Mosayedi Inderbitzin Architects, Zurich



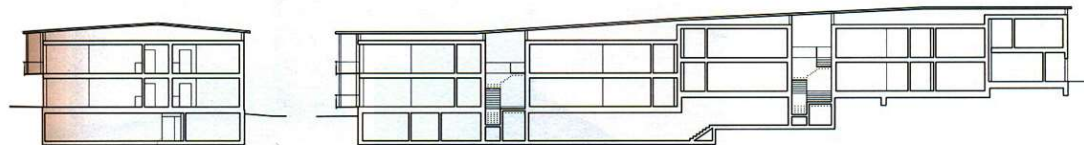
Detail English Edition, №2, 2015, p.246-248



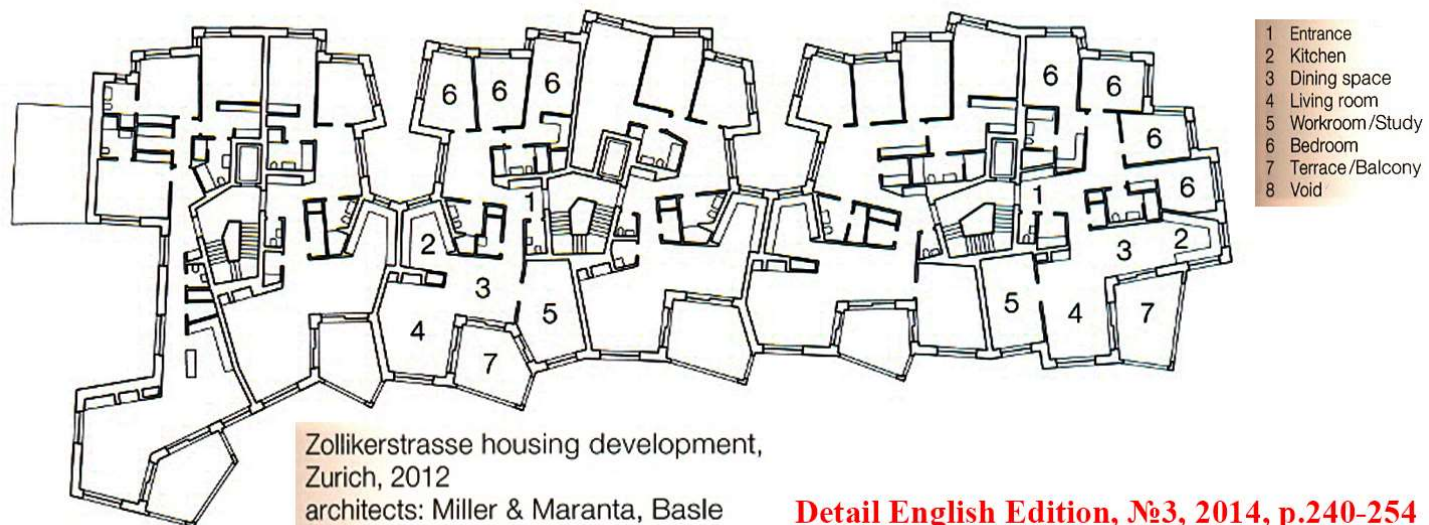
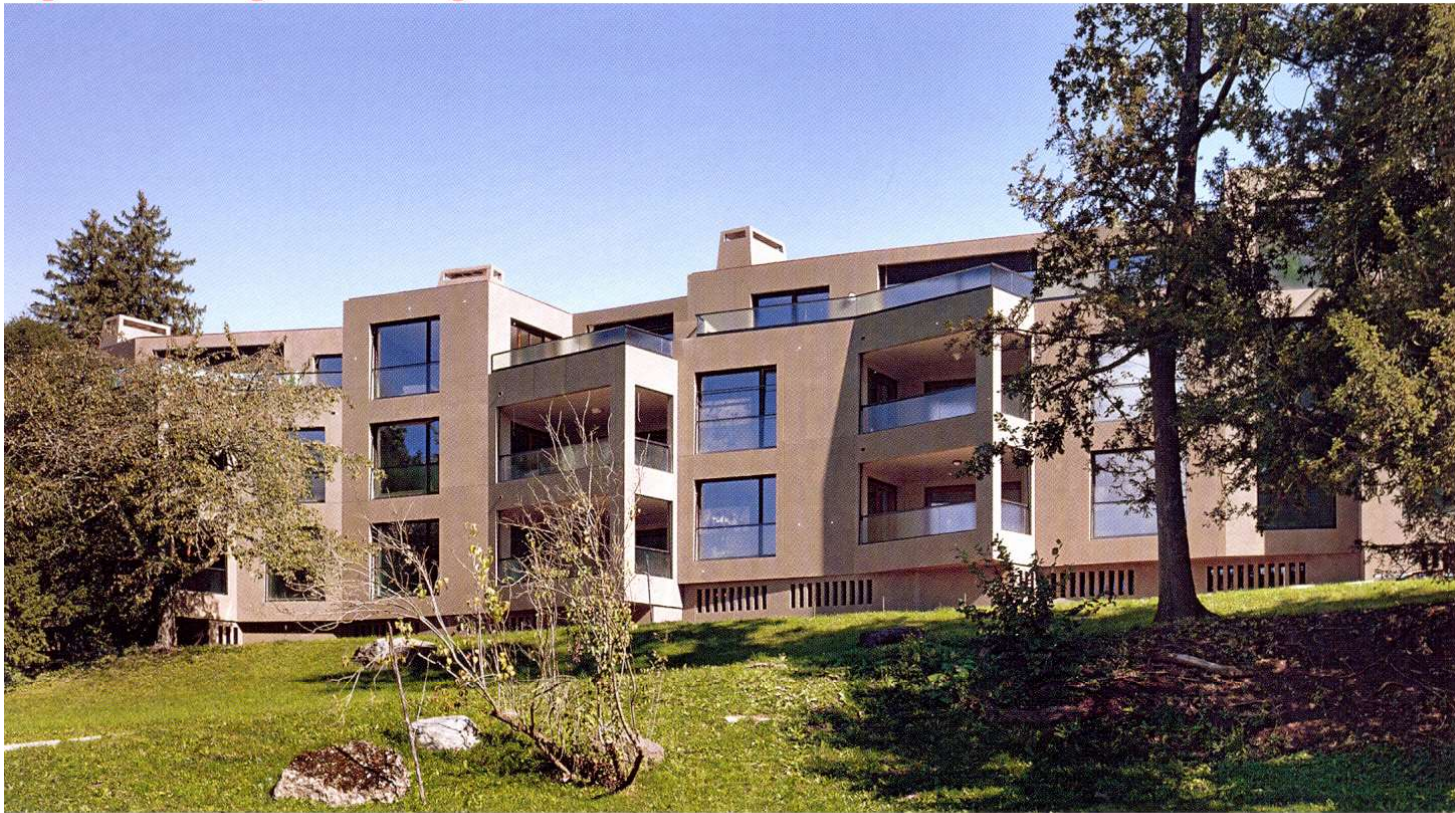
- 1 Access to staircase
- 2 Two-room flat
- 3 Three-room flat
- 4 Four-room dwelling
- 5 Garden



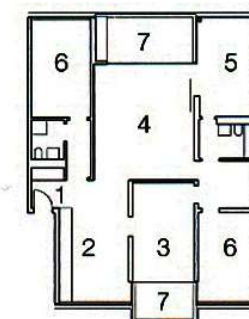
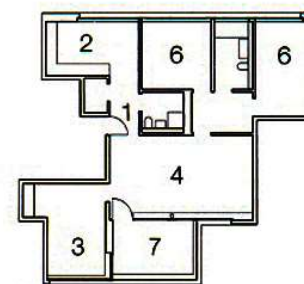
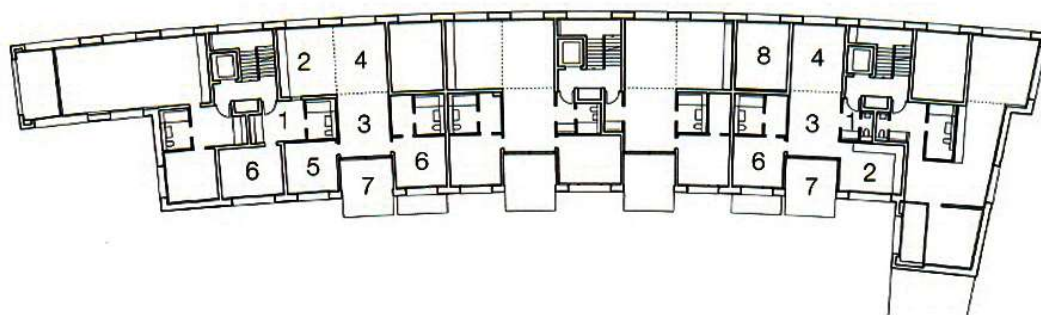
- 1 Entrance
- 2 Kitchen-dining area
- 3 Living area
- 4 Bathroom
- 5 Bedroom
- 6 Loggia



## Spatial Concepts as an Expression of Social Conditions



Neufrankengasse housing development,  
Zurich, 2013;  
architects: EM2N Architects, Zurich



**Detail English Edition, №3, 2014, p.240-254**



**Housing Development in Berlin**  
**Architects: Gruntuch Ernst Architects, Berlin**

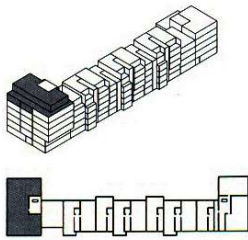


Ground floor layout  
scale 1:1000

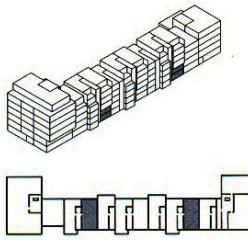
- |                   |                         |
|-------------------|-------------------------|
| 1 Commercial unit | 4 Town house            |
| 2 Maisonette      | 5 Public courtyard      |
| 3 Garden house    | 6 Semi-public courtyard |

**Detail English Edition, №3, 2014, p.268-270**

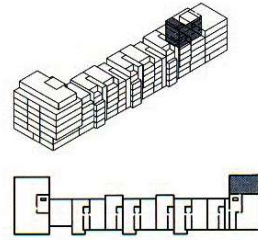




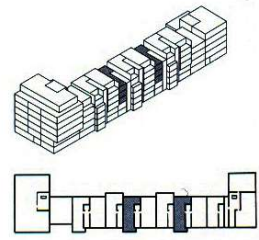
Penthouse:  
7-room dwelling



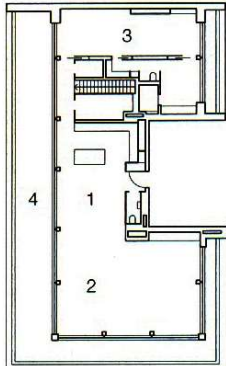
Garden maisonette:  
5-room dwelling



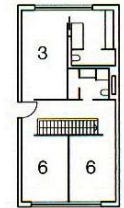
Town house:  
6-room dwelling



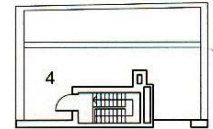
Town house special:  
5-room dwelling



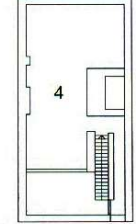
Sixth floor



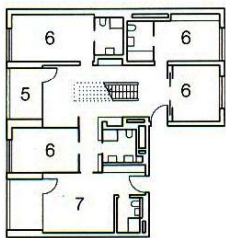
First floor



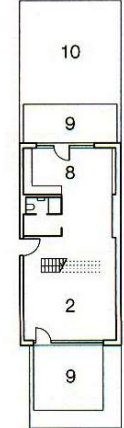
Third floor



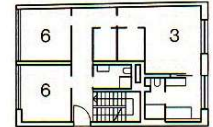
Fifth floor



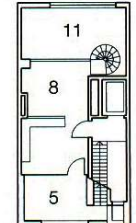
Fifth floor



Ground floor



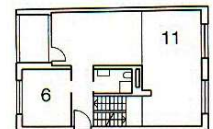
Second floor



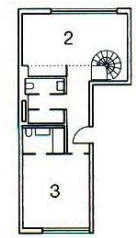
Fourth floor

- 1 Kitchen
- 2 Living room
- 3 Bedroom
- 4 Roof terrace
- 5 Balcony/Loggia
- 6 Workroom/Study/

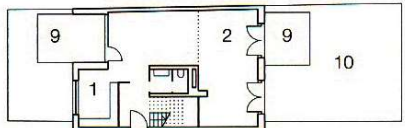
- 7 Children's room
- 8 Kitchen-Living room
- 9 Terrace
- 10 Garden
- 11 Void



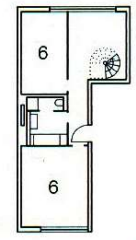
First floor



Third floor



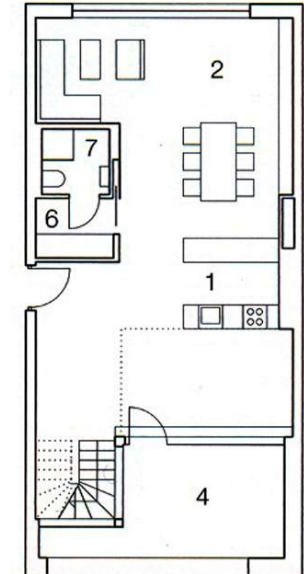
Ground floor



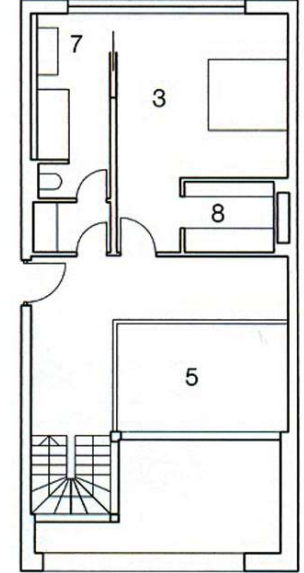
Second floor



Owner occupied dwellings  
No. of dwellings: 138  
Size of dwellings: 70-250 m<sup>2</sup>  
Special uses: 400 m<sup>2</sup> commercial units  
Maisonettes, single- and multistorey dwellings  
Gross floor area: 23,600 m<sup>2</sup>  
Effective floor area: 17,800 m<sup>2</sup>  
Date of completion: 2010-12 (in 4 phases)

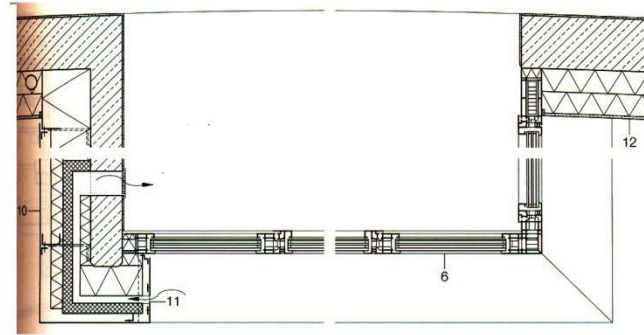
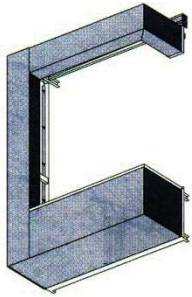


Second floor

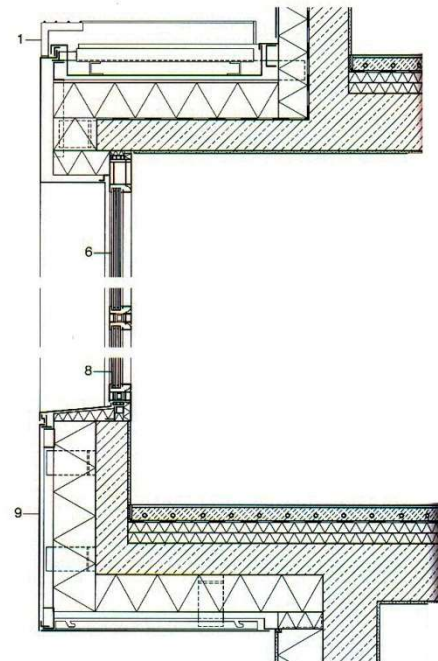
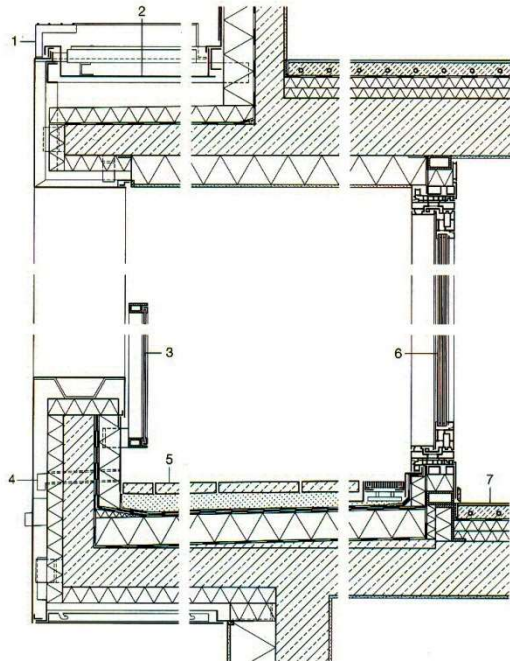


Third floor

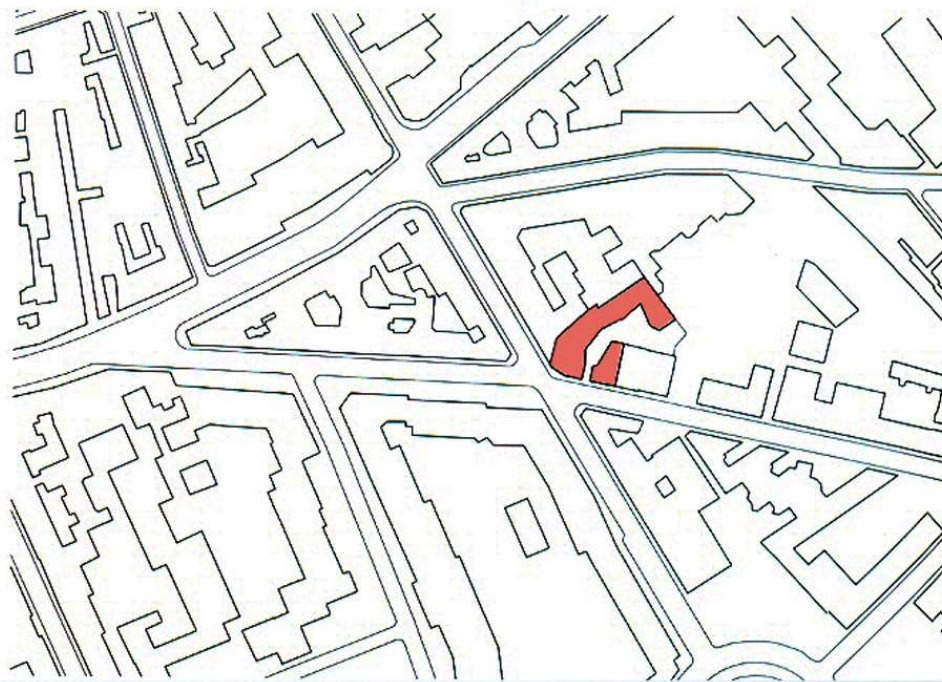
- Floor plans of maisonette  
scale 1:250
- 1 Kitchen
  - 2 Living room
  - 3 Bedroom
  - 4 Balcony/Loggia
  - 5 Void
  - 6 Clothes cupboard
  - 7 Bathroom/Shower
  - 8 Dressing room



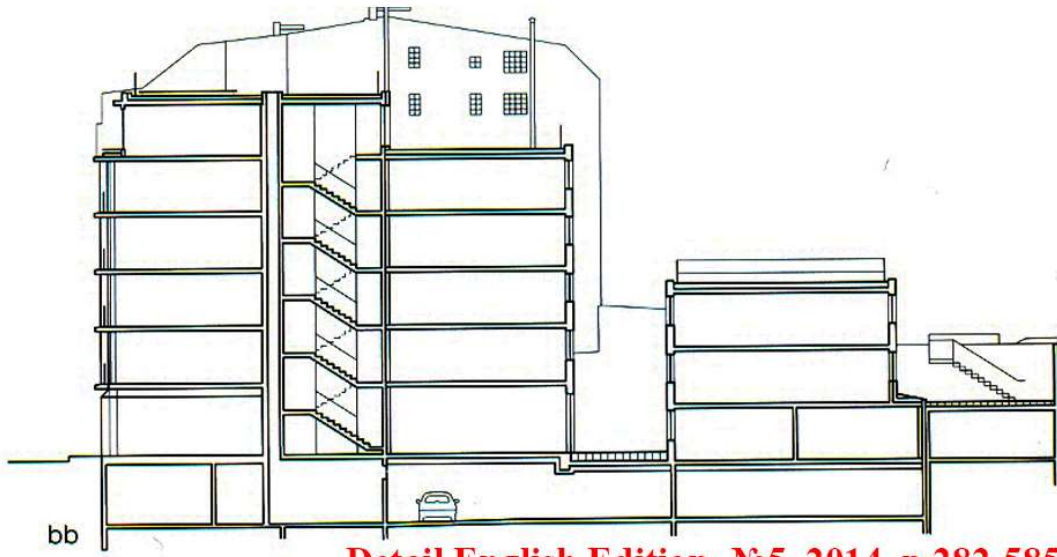
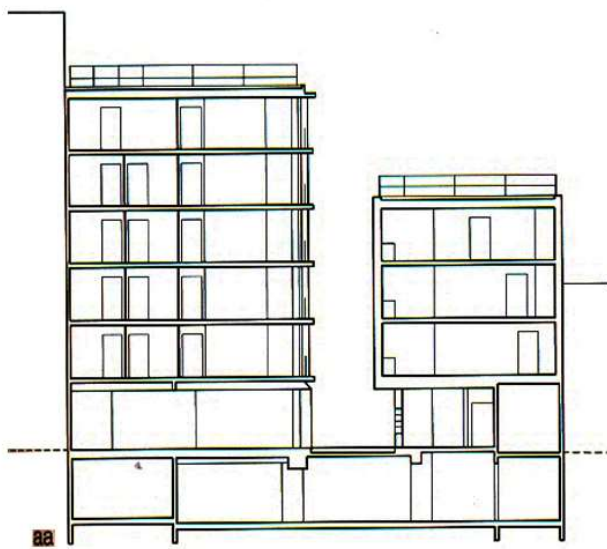
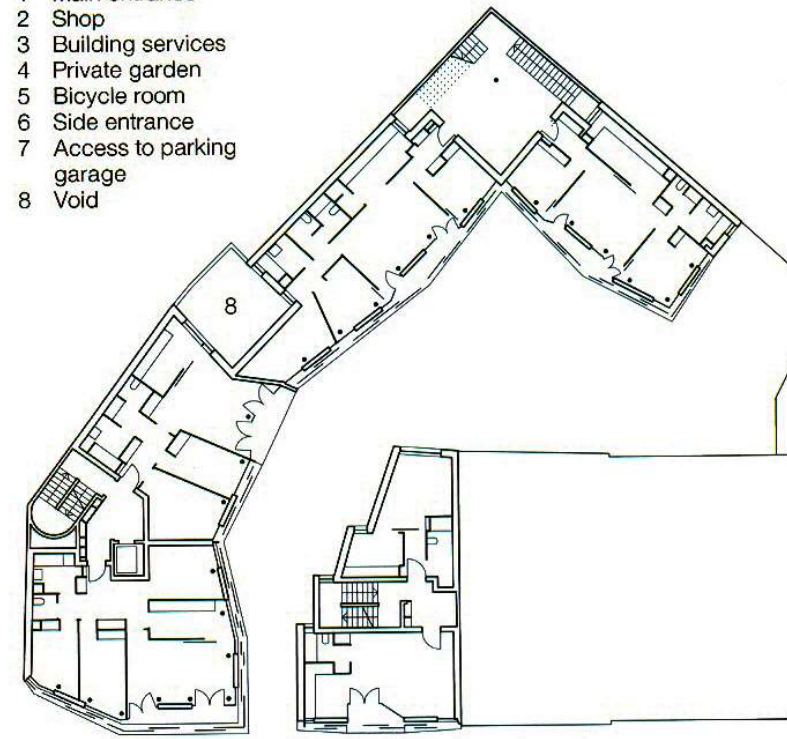
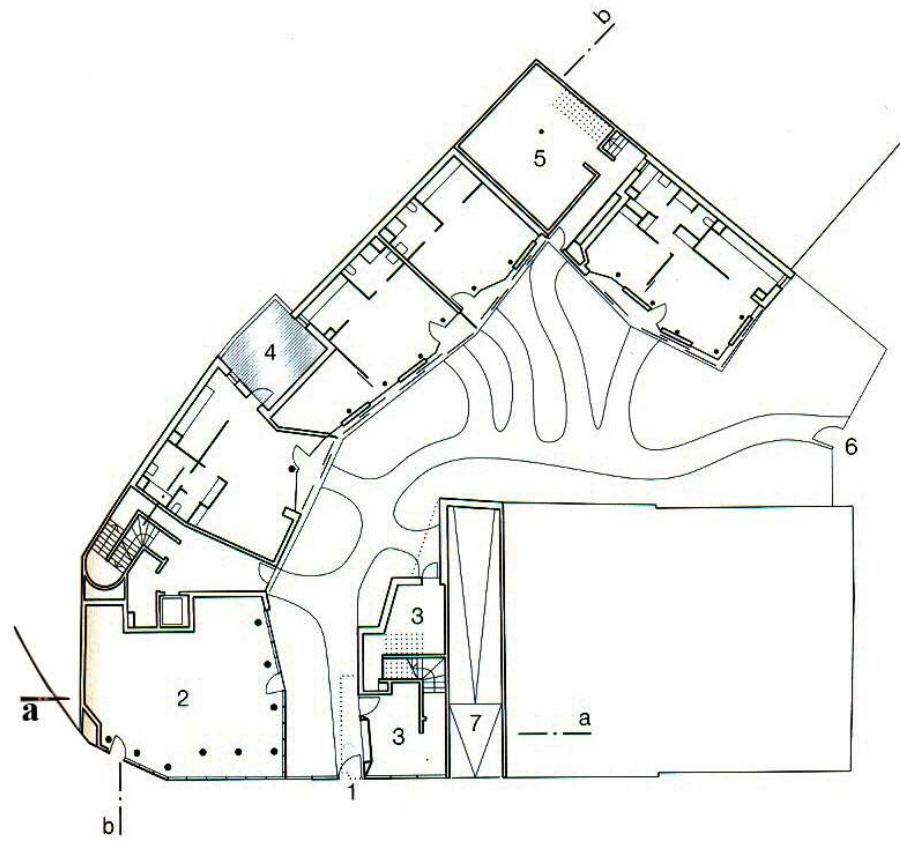
- 1 bird control: tension wire
- 2 sheet aluminium powder coated with 3 mm anti-drumming coating  
10 m back ventilation  
60–80 mm thermal insulation, vapour barrier bituminous layer,  
120 mm reinforced concrete, 10 mm render
- 3 20 x 50 mm laminated safety glass in steel RHS
- 4 emergency overflow, loggia drainage
- 5 40 mm concrete pavers, 60 mm gravel bituminous sealant layer 2-ply  
100 mm thermal insulation  
120 mm reinforced concrete to falls  
60 mm thermal insulation  
50 mm back ventilation, aluminium powder coated with 3 mm anti-drumming coating  
thermal glazing 10 mm + 14 mm cavity + 4 mm + 14 mm cavity + 6 mm
- 6 10 mm parquet, 50 mm underfloor heating screed  
PE foil, 2 x 4 mm impact sound insulation  
220 mm reinforced concrete half-finished slab
- 8 guard rail, fixed glazing
- 9 opaque parapet F90 for flashover prevention:  
3 mm sheet aluminium powder coated with sliding grooves visible width 3 mm  
50 mm back ventilation  
150 mm mineral wool  
120 mm reinforced concrete  
3 mm render
- 10 lateral wall, bay window F90:  
3 mm aluminum powder coated with anti drumming coating  
50 mm back ventilation  
60 mm insulation  
ventilation duct in 40 mm cement-based panel F90 wall recess, 30 mm insulation,  
120 mm reinforced concrete, 3 mm render
- 11 fresh air intake, apartment ventilation  
10 mm render
- 12 2 x 90 mm thermal insulation mineral wool  
interior layer vertical,  
exterior layer horizontal application  
200 mm load-bearing pylon reinforced cc  
3 mm render

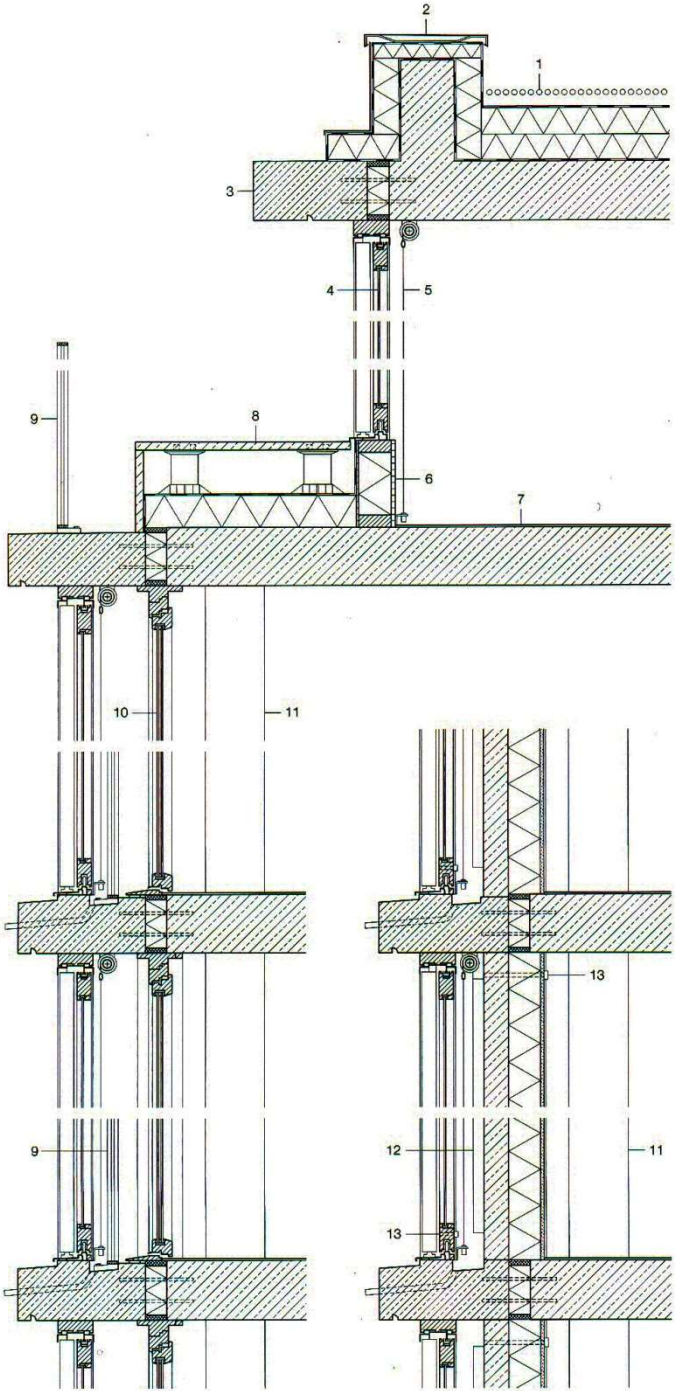


**Apartment Building in Paris**  
**Architects: Badled Nouvet Reynaud architects, Paris**



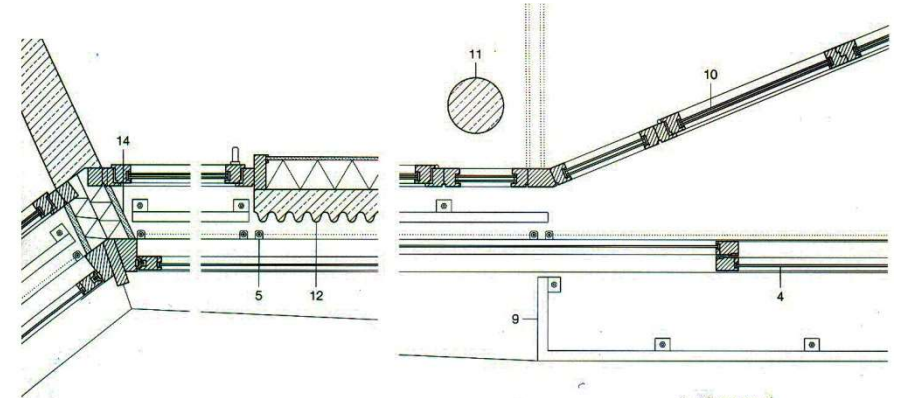
- 1 Main entrance
- 2 Shop
- 3 Building services
- 4 Private garden
- 5 Bicycle room
- 6 Side entrance
- 7 Access to parking garage
- 8 Void





Vertical sections  
Horizontal sections  
scale 1:20

- 1 50 mm gravel  
bituminous sheeting  
2x 100 mm mineral wool  
thermal insulation  
vapour barrier  
220 mm reinforced concrete
- 2 2 mm aluminium coping
- 3 precast concrete cantilever plate
- 4 single-pane glazing in wood frame
- 5 solar protection blind:  
63% polyolefins  
37% aluminium, 170 g/m<sup>2</sup>
- 6 9 mm oriented strand board  
thermal insulation between  
120/45 mm wood  
supporting structure  
15 mm veneer plywood  
synthetic membrane
- 7 2 mm natural rubber  
220 mm reinforced concrete
- 8 bench:  
30 mm paving stones on  
pedestals
- 9 handrail:  
40/10 mm steel flat  
Ø 10 mm steel rod
- 10 double glazing:  
4 mm laminated safety glass +  
16 mm argon-filled cavity +  
4 mm laminated safety glass
- 11 column:  
220 mm reinforced concrete  
90-130 mm precast fibrated  
concrete thermal  
storage wall, non-loadbearing  
130 mm mineral  
wool thermal insulation  
13 mm plasterboard
- 13 air vent
- 14 22 mm fibre-cement board  
2x 80 mm mineral wool  
thermal insulation  
22 m fibre-cement board



- 1 50 mm gravel  
bituminous sheeting  
2x 100 mm mineral wool  
thermal insulation  
vapour barrier  
220 mm reinforced concrete
- 2 2 mm aluminium coping
- 3 precast concrete cantilever plate
- 4 single-pane glazing in wood frame
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63% polyolefins  
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synthetic membrane
- 7 2 mm natural rubber  
220 mm reinforced concrete
- 8 bench:  
30 mm paving stones on  
pedestals
- 9 handrail:  
40/10 mm steel flat  
Ø 10 mm steel rod
- 10 double glazing:  
4 mm laminated safety glass +  
16 mm argon-filled cavity +  
4 mm laminated safety glass
- 11 column:  
220 mm reinforced concrete  
90-130 mm precast fibrated  
concrete thermal  
storage wall, non-loadbearing  
130 mm mineral  
wool thermal insulation  
13 mm plasterboard
- 13 air vent
- 14 22 mm fibre-cement board  
2x 80 mm mineral wool  
thermal insulation  
22 m fibre-cement board

Detail English Edition, №5, 2014, p.282-585

**Punkthaus, Mannheim. Arch. Fachbereich Architektur**

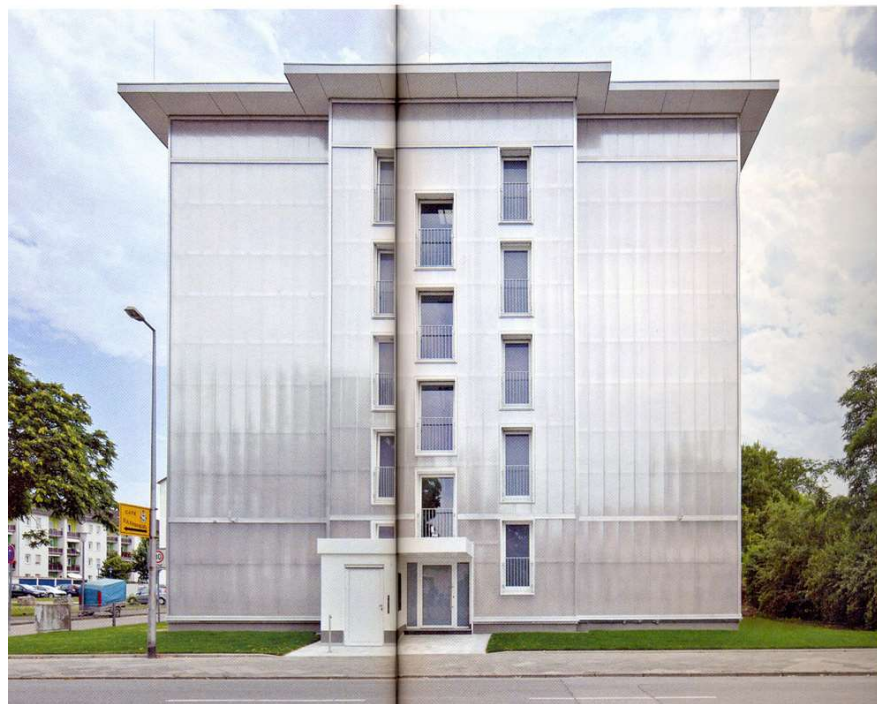




Foto: Claudius Pfeifer, Berlin

Die Morgensonne erwärmt die Luft im Fassadenzwischenraum auf der Ostseite. Diese steigt bis zum Dach auf, strömt unterhalb der auskragenden Attika über Rohrleitungen zur Westfassade



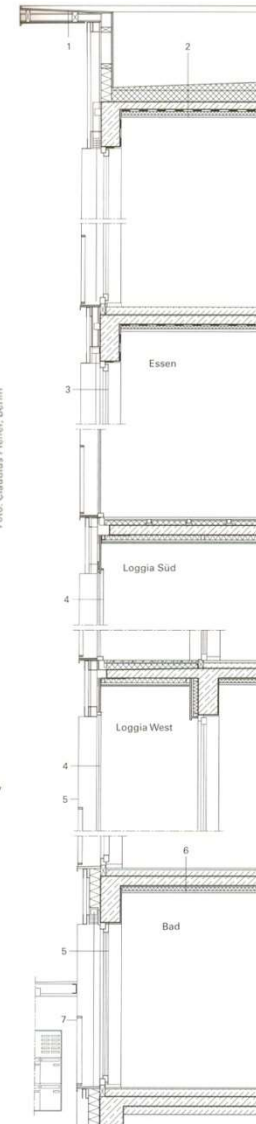
Foto: Claudius Pfeifer, Berlin

Verglaste Loggien werden nicht nur zu klimatischen Pufferzonen ...



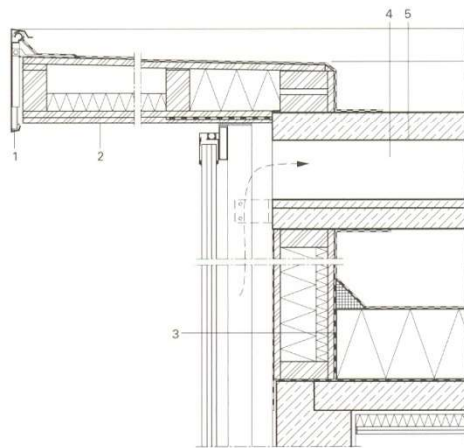
Foto: Claudius Pfeifer, Berlin

... dank einer beweglichen Wand aus Glaslamellen lassen sich die Loggien in der Übergangszeit als Wintergärten nutzen, im Sommer als normaler Balkon



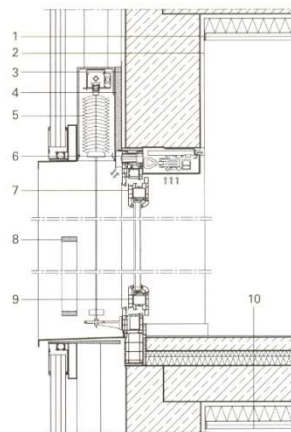
- 1 Auskragender Dachrand:  
Abdichtungen  
OSB-Platte  
Stahlprofil IPE 100  
Holzbohlen zwischen Stahlträgern  
OSB-Platte, weiß gestrichen
- 2 Dachaufbau:  
Abdichtungen  
Gefälledämmung  
Wärmedämmung  
Dampfsperre  
Voranstrich  
Bestandsdecke Stahlbeton  
Abgehängte Decke
- 3 Verglasung:  
Holz-Alu-Fenster  
mit Lüftungselement  
Sonnenschutz,  
Außenjalousie Aluminium  
Zarge, Stahlblech  
Fensterbrett, Flachstahl
- 4 Verglasung:  
Einfachverglasung  
Solarelemente  
Zarge, Stahlblech  
oben und seitlich an Bestandswand  
geschraubt  
Fensterbrett, Flachstahl
- 5 Holz-Alu-Tür mit Lüftungselement
- 6 Fußbodenaufbau:  
Fliesen  
Anhydritfließestrich  
Trennlage  
Mineralfüllwollplatten  
druckfeste EPS  
Bitumenabdichtung  
Bestandsdecke Stahlbeton  
Wärmedämmender Brandschutz,  
zementgebunden mit Mineralfasern  
Sichtschutz

Fassadenschnitt, M 1:50



Attika mit Umluftöffnung, M 1:20

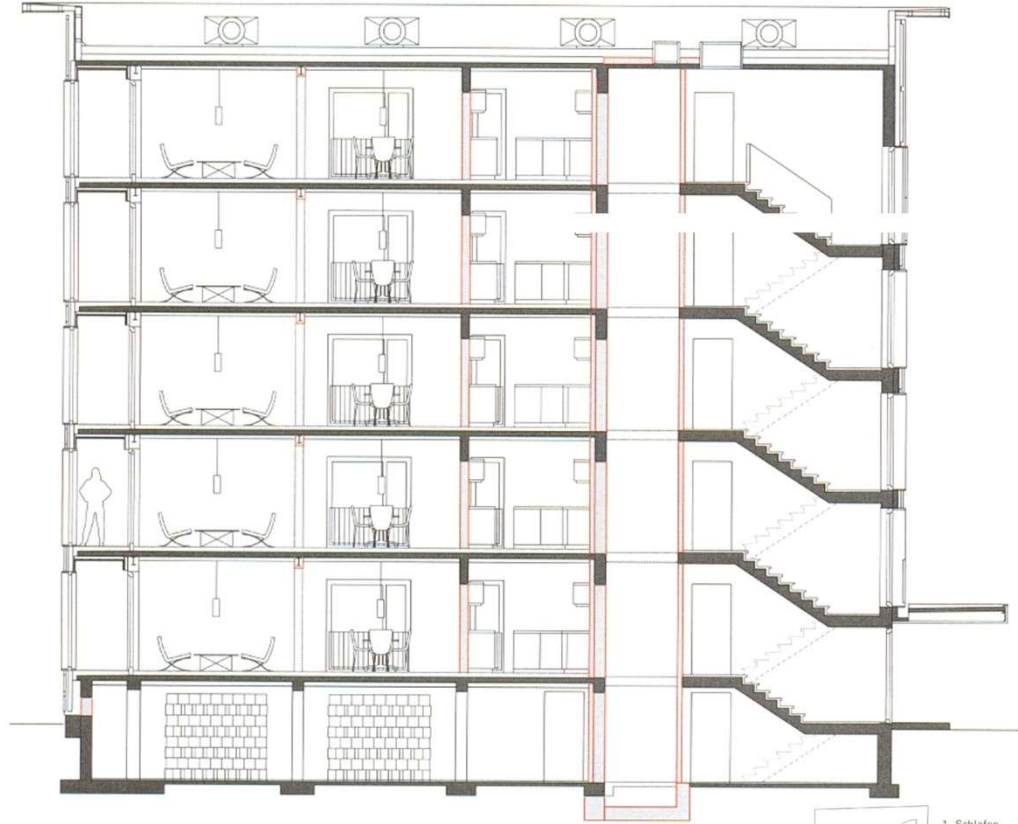
- 1 mehrteiliges, höhenverstellbares und schwenkbares Dachrandabschlussprofil mit integriertem Insektenschutzgitter
- 2 auskragender Dachrand:  
Abdichtungen  
OSB  
Stahlprofil IPE 100  
Holzbohlen zwischen Stahlträgern  
OSB  
Nut und Feder, weiß lackiert
- 3 Außenwand:  
Leichtbauelement, Polycarbonat auf Aluminiumunterkonstruktion  
Dampfsperre  
OSB  
Stahlwinkel HEB 120  
Dämmung  
Rauspund-Platten  
Abdichtung/Notabdichtung
- 4 Lüftungsrohr,  
verbindet Ost- und Westfassade
- 5 Dachaufbau:  
Abdichtungen  
Gefälledämmung  
Wärmedämmung  
Dampfsperre  
Voranstrich  
Bestandsdecke Stahlbeton  
abgehängte Decke



Detailschnitt Fenster, M 1:20

- 1 Elastisches Fugenband
- 2 Außenwand:  
Leichtbauelement auf Aluminiumunterkonstruktion  
Luftschicht, Bestandsputz  
Bestandswand Schüttbeton  
Gipsputz, Bestand
- 3 Diffusionsoffene Fensterdichtungsfolie, umlaufend
- 4 Dämmung, Polyurethan
- 5 Außenwand:  
Leichtbauelement auf Aluminiumunterkonstruktion  
Luftschicht, Bestandsputz  
Bestandswand Schüttbeton  
Gipsputz, Bestand
- 6 Lamellen-Raffstore mit U-Blende
- 7 Lüftungsgerät
- 8 Kunststofffenster, diffusionsoffen
- 9 Geländer, Stahlblech, verzinkt
- 10 Fußbodenaufbau:  
Linoleum  
Anhydritfließestrich  
Trennlage  
Mineralfüllwollplatten  
druckfeste EPS  
Bestandsdecke Stahlbeton  
Innenputz Bestand  
abgehängte Decke

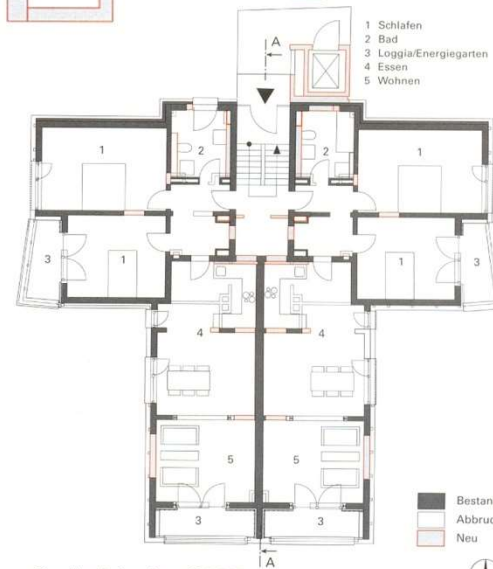




Schnitt AA, M 1:200



Grundriss Regelgeschoss, M 1:200



Grundriss Erdgeschoss, M 1:200

- 1 Schlafen
- 2 Bad
- 3 Loggia/Energiegarten
- 4 Essen
- 5 Wohnen

Bestand  
 Abbruch  
 Neu



**Utopia in green and blue. The new urban development Hammarby Sjostad in Stockholm banks on landscape values.  
Жилой квартал Hammarby Sjostad в Стокгольме. Швеция (1995-2017)**



**Utopia in green and blue. The new urban development Hammarby Sjostad in Stockholm banks on landscape values.  
Жилой квартал Hammarby Sjostad в Скокгольме. Швеция (1995-2017)**



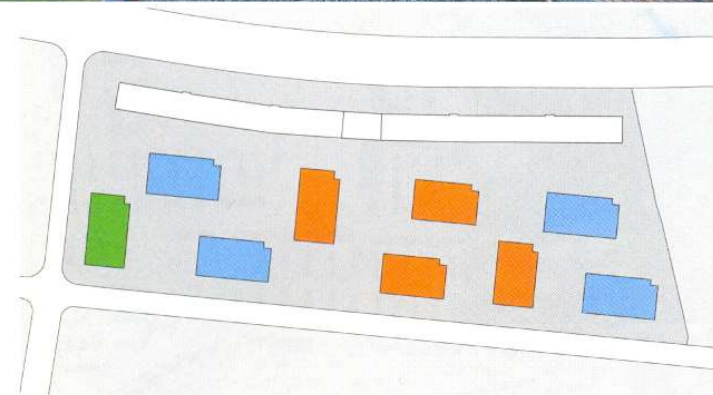
# Eine Klasse für sich. Neues Wohnen Brunostrabe, Würzburg Arch. Stefan Foster Dipl.Ing. Architekt



Schwarzplan Bestand, M 1:12500



Schwarzplan neu, M 1:12500



Piktogramm, o.M.

- Eigentum
- Miete
- EOF Miete

**DBZ, №5, 2013, p. 22-29**



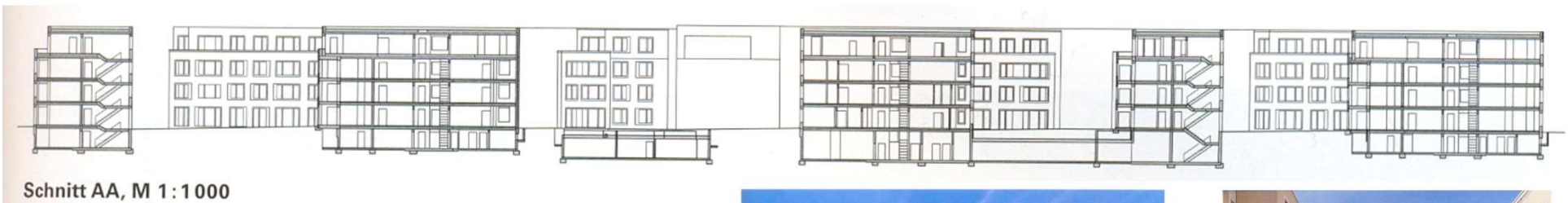


Grundriss Regelgeschoss, M 1 : 1000



Grundriss Erdgeschoss, M 1 : 1000

**DBZ, №5, 2013, p. 22-29**



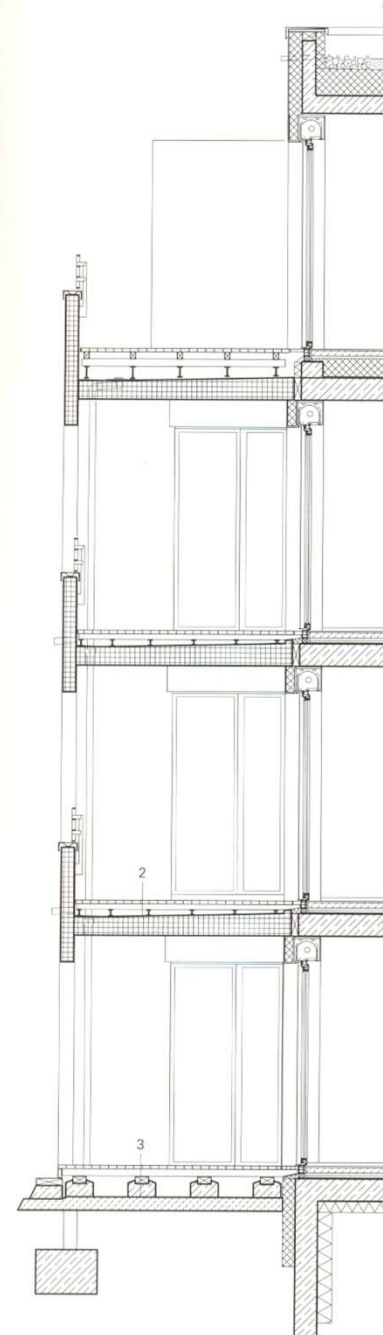
Schnitt AA, M 1:1000



Schnitt BB, M 1:750



**DBZ, №5, 2013, p. 22-29**

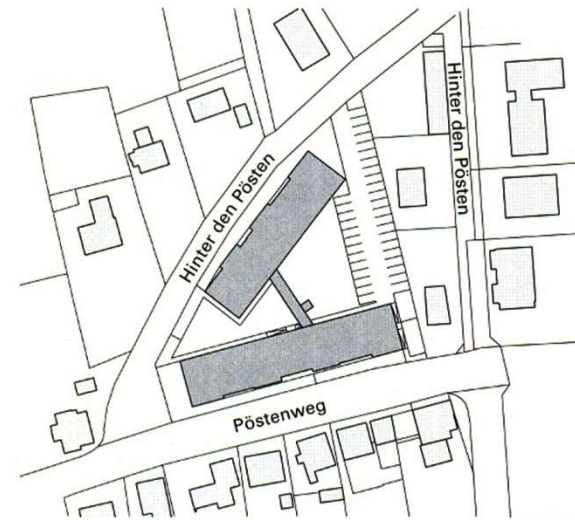


**Fassadenschnitt, M 1:75**

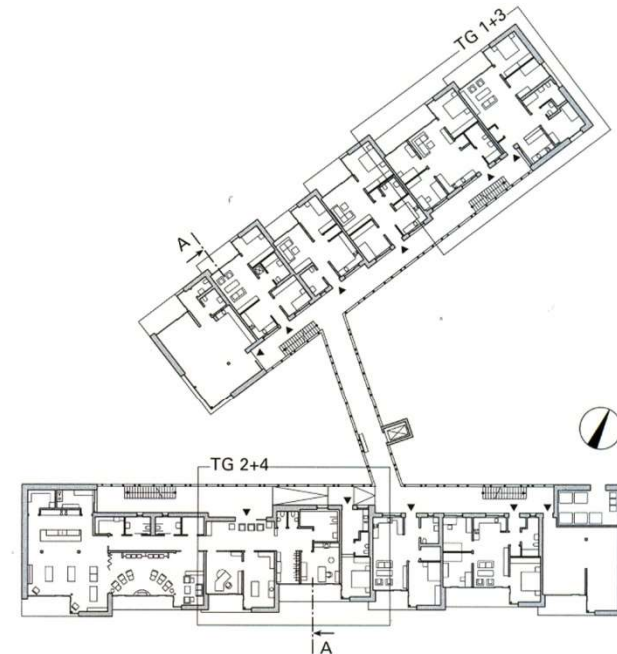
- 1 Dachaufbau:  
 extensive Dachbegrünung  
 Drainlage  
 Bautenschutzvlies  
 Dachabdichtung, 2-lagig  
 Dampfsperre Bitumenschweißbahn  
 Stahlbetondecke
- 2 Loggien:  
 Abdichtung zwischen Brüstung und Balkonplatte  
 Holzbelag, Lärche  
 Stützenfuß, höhenverstellbar  
 Betonvertigteil
- 3 Terrasse:  
 Diele, Lärche  
 Lagerholz, Lärche  
 Kantenstein in Stahlbeton-Fundament  
 Kies



**Unter einem Dach. Mehrgenerationen-wohnen Postenhof, Lemgo  
Arch.: Christian Decker, Andre Habermann**



**Lageplan, M 1:2500**



**Übersichtsplan Grundriss Erdgeschoss, M 1:750**





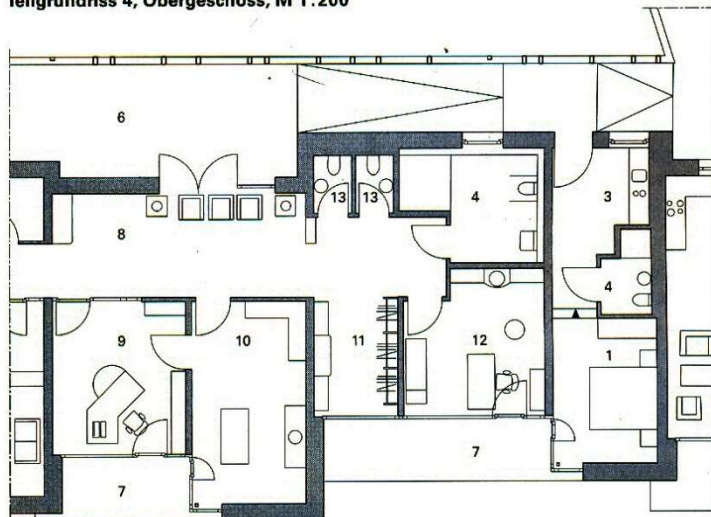
Teilgrundriss 4, Obergeschoss, M 1:200

- 1 Schlafen
- 2 Wohnen
- 3 Küche
- 4 Bad
- 5 Abstellraum
- 6 Laubengang
- 7 Terrasse
- 8 Empfang
- 9 Büro/ Beratung
- 10 Personal/Umkleide
- 11 Garderobe
- 12 Therapie
- 13 WC

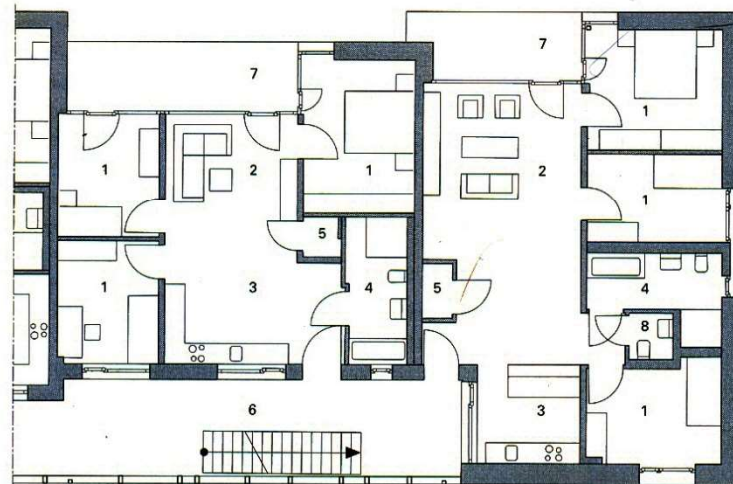


Teilgrundriss 3, Obergeschoss, M 1:200

- 1 Schlafen
- 2 Wohnen
- 3 Küche
- 4 Bad
- 5 Abstellraum
- 6 Laubengang
- 7 Terrasse
- 8 WC

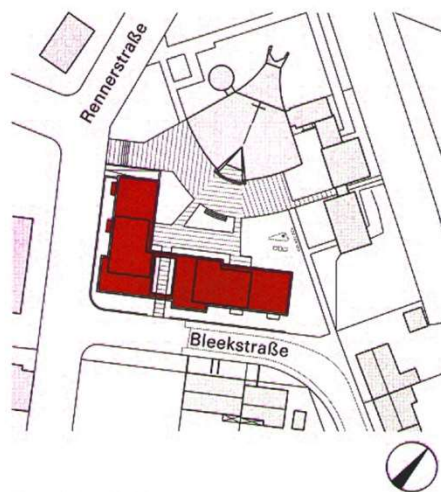


Teilgrundriss 2, Erdgeschoss, M 1:200



Teilgrundriss 1, Erdgeschoss, M 1:200

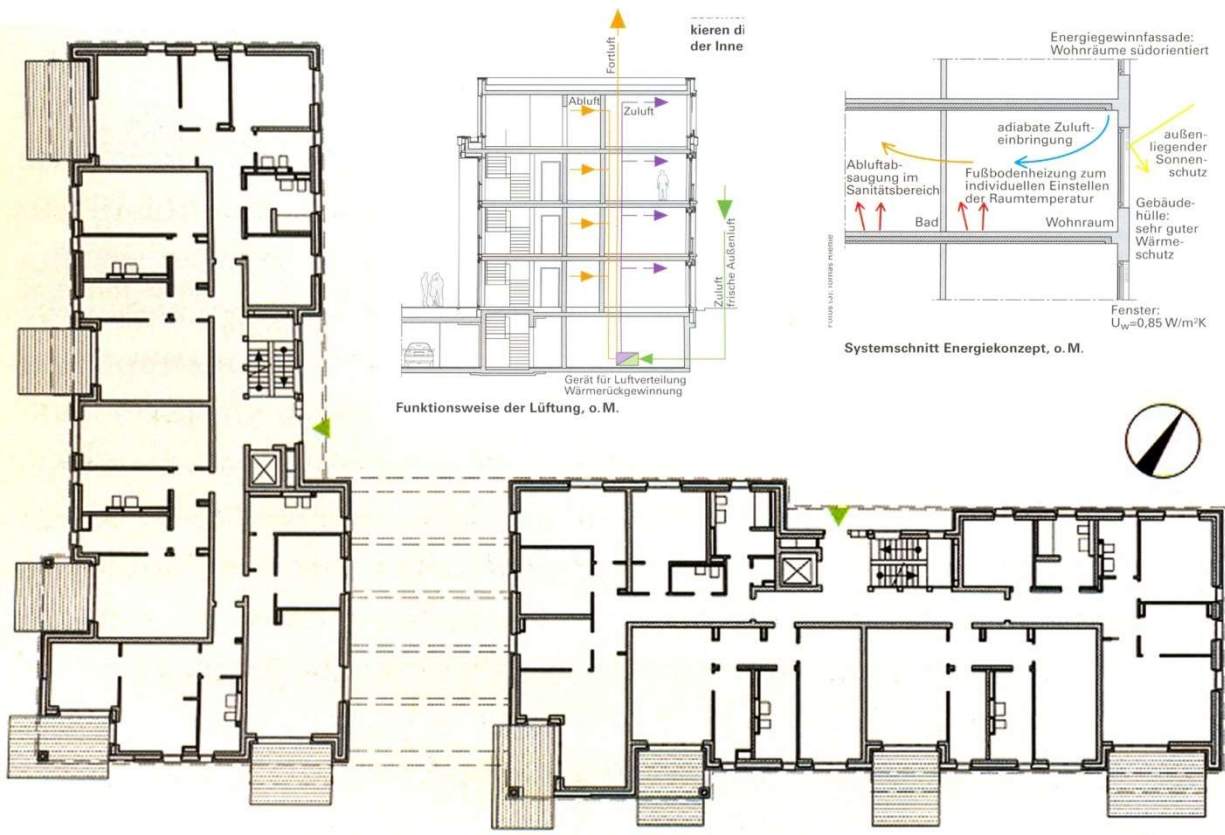
**Mabvolle Nach-verdichtung. Wohnbebauung in Duisburg-Hamborn**  
**Arch.: Druschke und Grosser Architekten**



Lageplan, M 1:2500



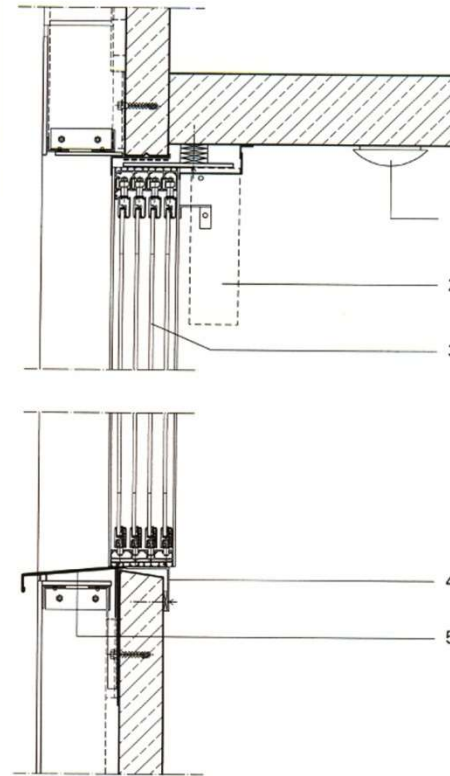
DBZ, №5, 2013, p. 78-80



Grundriss EG, M 1 : 600



## Forum Hamburgum. Solarlux Aluminium Systeme



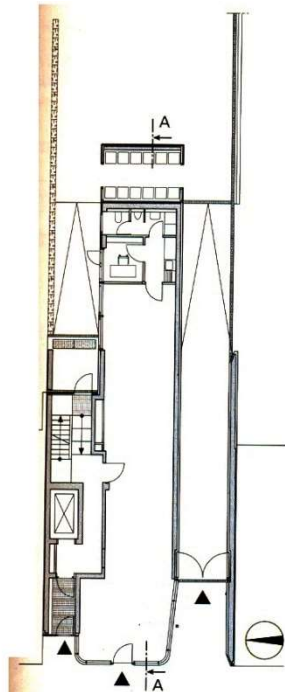
- 1 Rauchmelder
- 2 Antrieb
- 3 Laubengangverglasung  
4-spurig
- 4 Haltewinkel
- 5 Kantblech als Fensterbank

Vertikalschnitt Laubengang, M 1:20

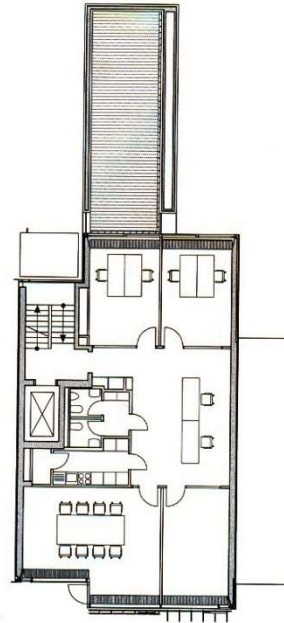


**Burohause DGNB Gold vorzertifiziert. F40 - Geschäftshaus, Berlin  
Arch.: Petersen Architekten**

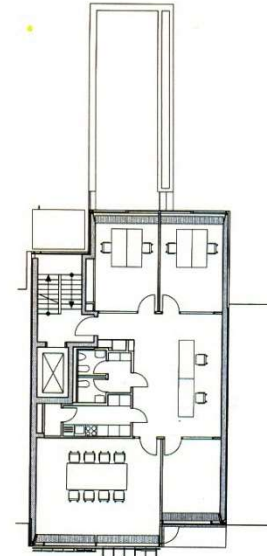




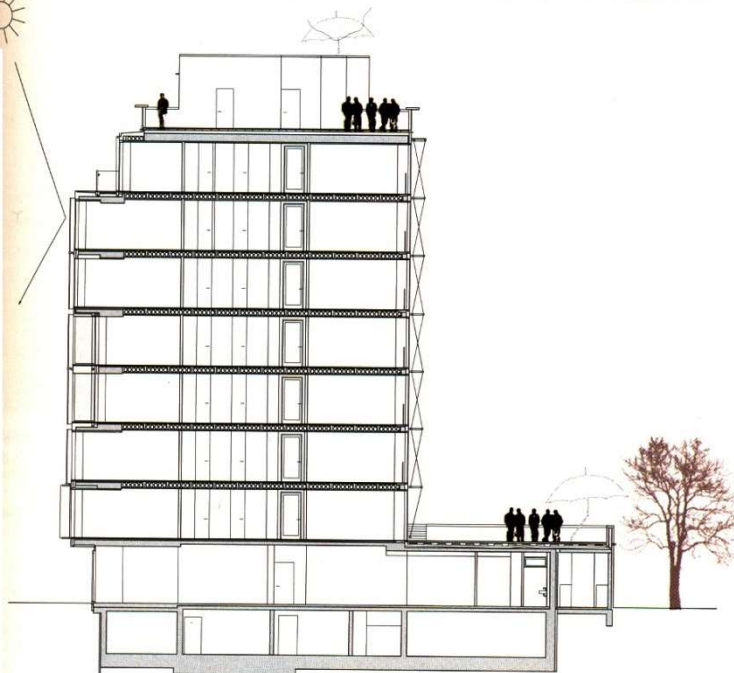
Grundriss Erdgeschoss, M 1:333 1/3



Grundriss 1. Obergeschoss, M 1:333 1/3

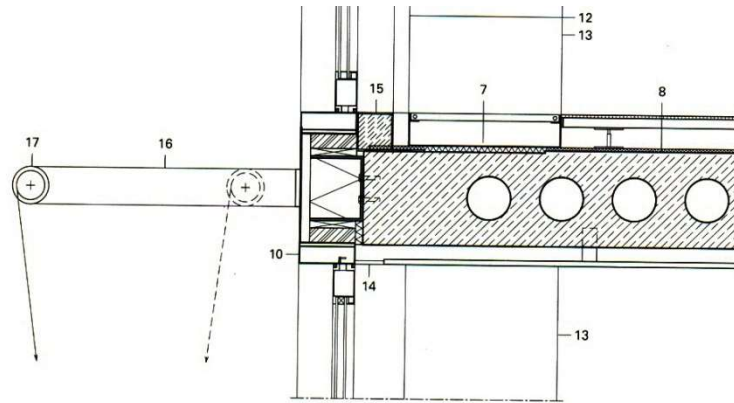


Grundriss 3. Obergeschoss, M 1:333 1/3

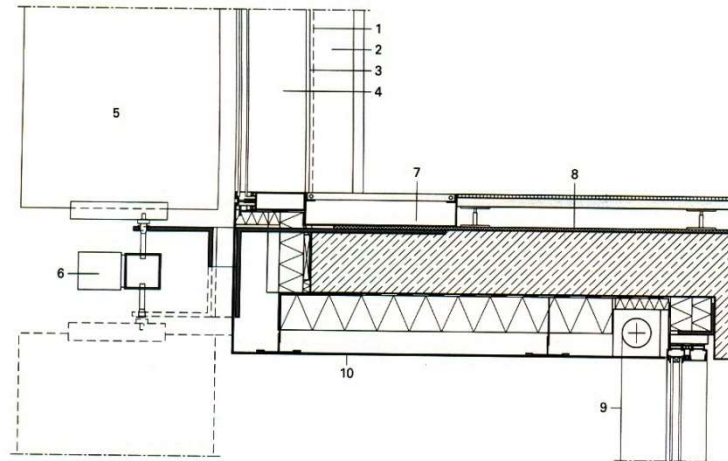


Schnitt AA, M 1:333 1/3



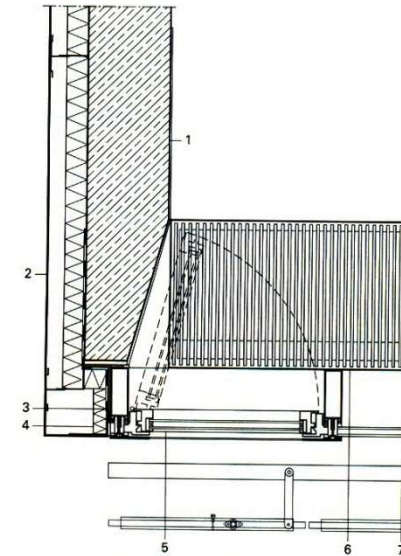


Vertikaler Fassadenschnitt Hof, M 1 : 17,5



Vertikaler Fassadenschnitt Straße, M 1 : 17,5

- 1 VK Stahlbetonwand
- 2 Rücksprung in der Stahlbeton-Wand
- 3 Acrylfuge
- 4 Pfosten-Riegel-Konstruktion
- 5 außenliegender, vertikaler Sonnenschutz, Glaslamellen geschosshoch, 2-Scheibensicherheitsglas
- 6 Wandleuchte
- 7 Unterflurkonvektor
- 8 Teppichboden und Klebung auf Doppelboden Trittschalldämmung
- 9 außenliegender Sonnenschutz in abgehängter Decke Abdeckung in Aluminium mit Windmesser
- 10 Fassadenbekleidung Alucobond
- 11 Schiebefenster, bodenbündig mit Festverglasung
- 12 Schwarzstahlgeländer, umlaufend, Rahmenkonstruktion mit zwischengespannten Stahlseilen
- 13 Wandscheibe, konisch
- 14 Blendschutz, bündig
- 15 Abdeckplatte, Stahl, pulverbeschichtet
- 16 außenliegender Sonnenschutz, Aluminium Flachrohr bündig an den Deckenvorderkanten
- 17 Seilführung Sonnenschutz



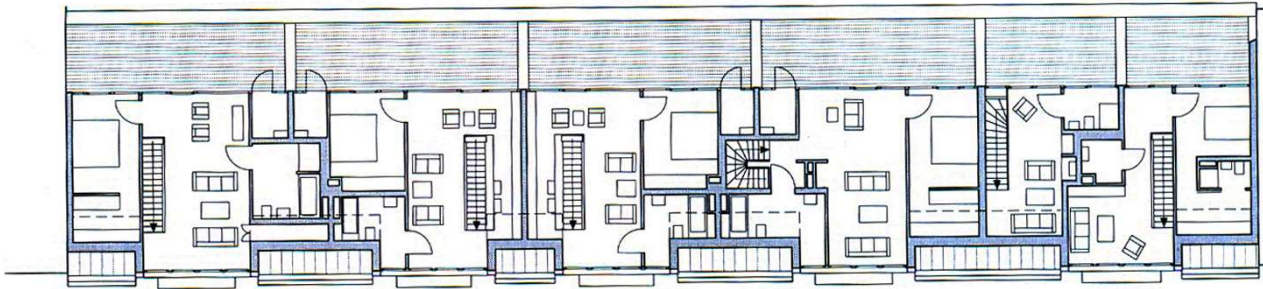
Horizontaler Fassadenschnitt, M 1 : 17,5

- 1 Teppichboden auf Doppelboden
- 2 Fassadenbekleidung, Unterkonstruktion, Dämmung
- 3 schlagregendichter Anschluß
- 4 Dämmung bis Vorderkante Pfosten
- 5 Aluminium Öffnungsflügel in Pfosten-Riegel Konstruktion, Verglasung Sonnenschutzglas
- 6 Gardinenschiene
- 7 Schiebefenster Sky-Frame, Verglasung geschosshoch mit 2-Scheiben-Isolierverglasung Aluminium eloxiertes Rahmenprofil

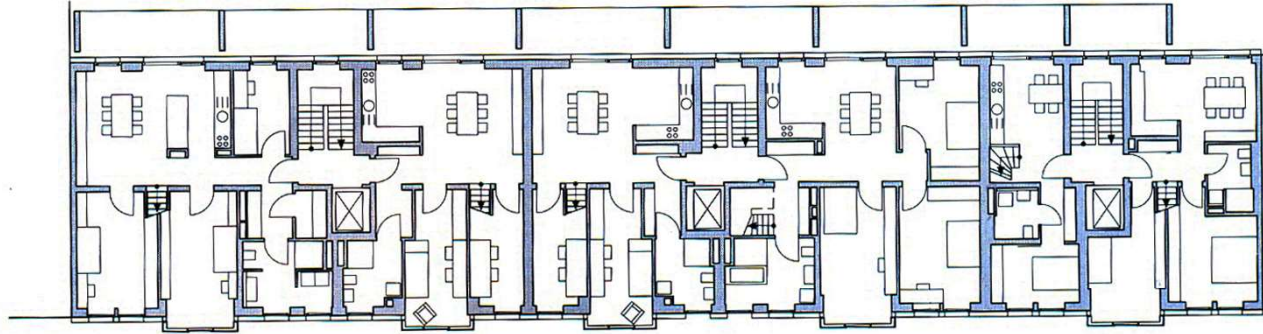


**Neu bauen im Altbau. Wohnanlage Grimmstraße, Hannover**  
**Arch.: Karin Kellner, Lutz Schleich, Ekhard Wunderling, Matthias Buchmeier**

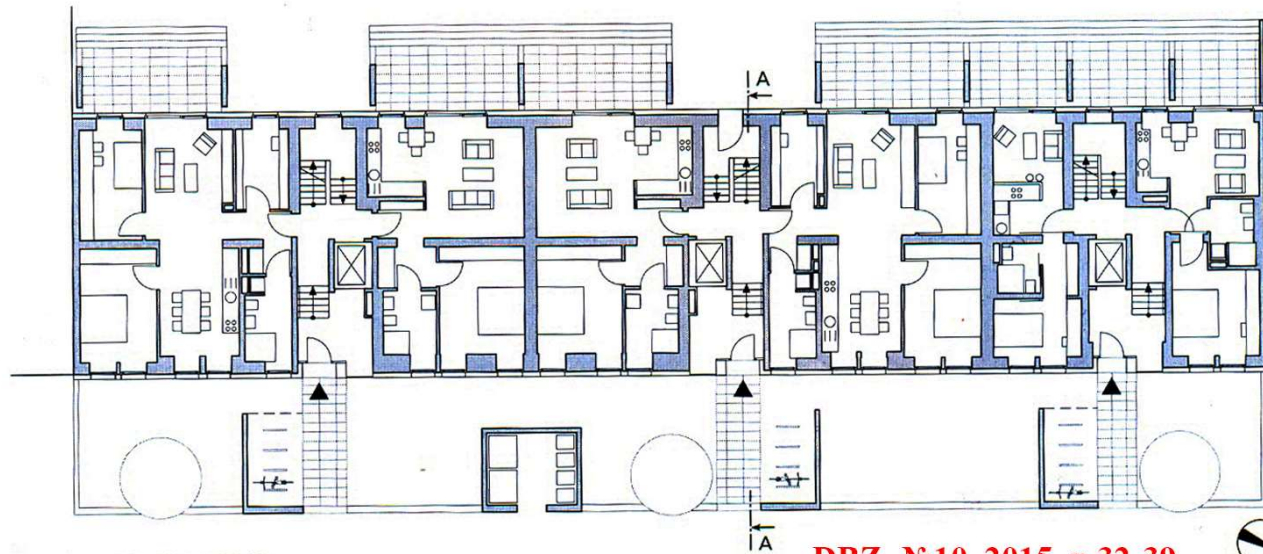




Grundriss DG, M 1:333 1/3

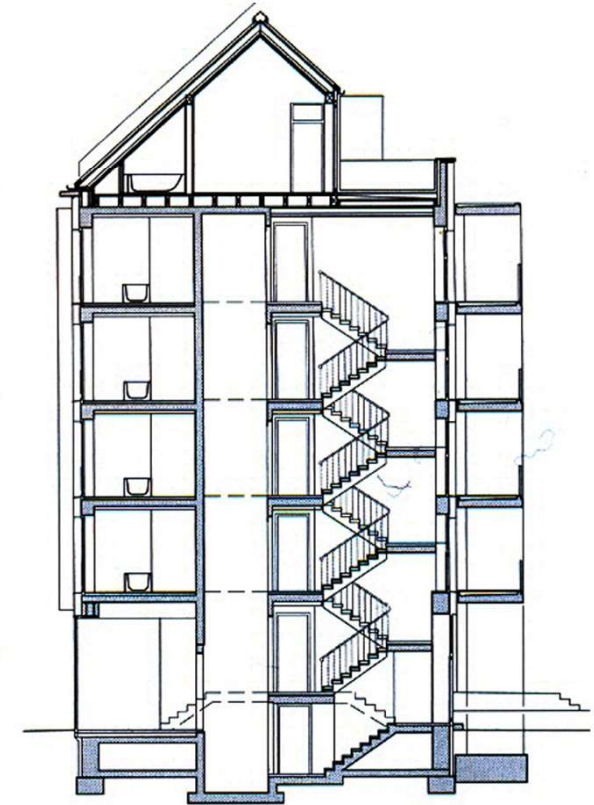


Grundriss 4. OG, M 1:333 1/3

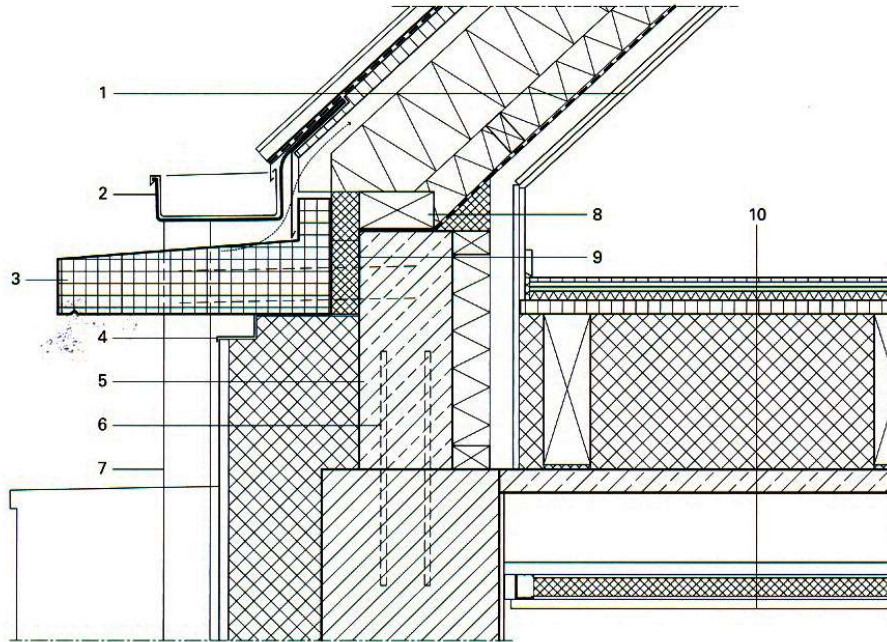


Grundriss EG, M 1:333 1/3

DBZ, №10, 2015, p.32-39



Schnitt AA, M 1:333 1/3



**Traufdetail Straßenseite, M 1 : 17,5**

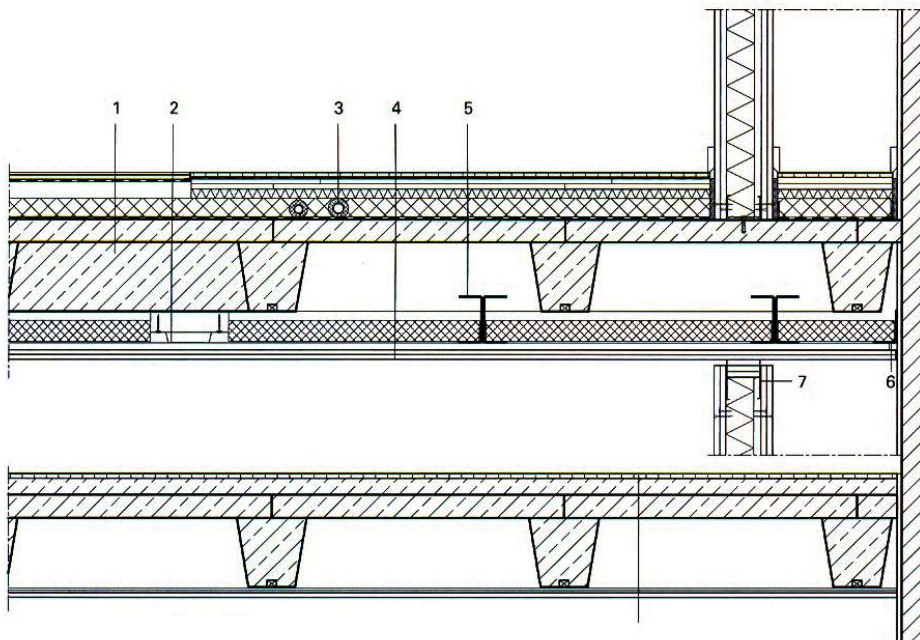
- 1 Dachaufbau:  
Zinkblech-Stehfalzdeckung  
Bitumenbahn mit Glasvlieseinlage  
Holzschalung  
Luftschicht zur Hinterlüftung  
Dämmung  
Sparren, gedämmt  
Lattung  
Dampfsperre, luftdichte Anschlüsse  
Kontrelattung  
Gipskarton, 2-lagig, z.T. Feuchtraumanstrich
- 2 Rinne
- 3 Gesims, Stahlbetonfertigteile
- 4 Schattenfuge mit Abschlussprofil

- 5 Ringbalken
- 6 Anschlussbewehrung
- 7 Fallrohr, rechteckig
- 8 Fußpfette
- 9 Tragendes Wärmedämmelement
- 10 Bodenaufbau:  
Parkett/ Fliesen  
Gipsfaserplatte, z.T. feuchtraumgeeignet  
Trittschalldämmung  
Schalung  
Trägerrost mit Auflager und Ausgleichschüttung für Höhenausgleich und Installation  
Betonplatten auf Stahlbetonrippen  
freitragende Unterdecke, Gipskarton

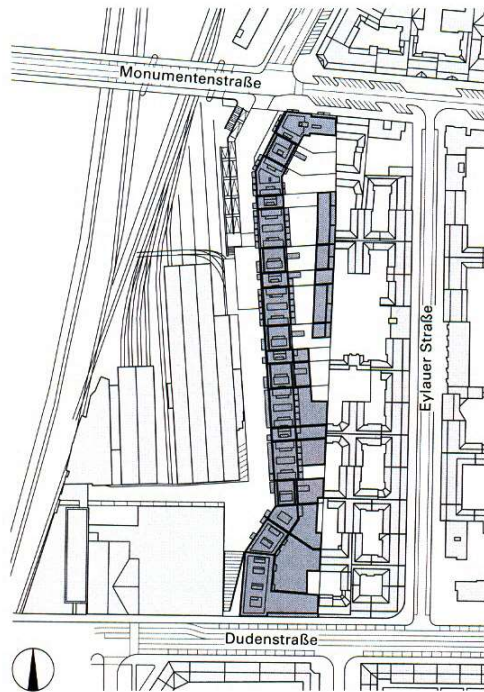
**Detail Schallschutzdecke, M 1 : 17,5**

- 1 Ausbetoniertes Deckenfeld
- 2 Abstandsprofil/ Federschiene unter betonierten Deckenbereich
- 3 Heizleitung, gedämmt
- 4 Boden-/ Deckenaufbau:  
Parkett/ Fliesen, z.T. mit Abdichtung  
Trockenestrich, Gipsfaserplatten  
Trittschalldämmung  
gebundene Ausgleichschüttung auf Trennlage  
Auflagerwinkel  
Dämmauflage  
Hutprofil  
Bekleidung Gipsfaserplatten

- 5 Weitspannträger aus U-Profilen
- 6 Randwinkel
- 7 Gleitender Deckenanschluss
- 8 Bodenaufbau Bestandsdecke:  
Bodenbelag  
Estrich auf Trennlage  
Stahlbetonplatten auf Stahlbetonrippen  
Unterdecke aus Strohmatte, geputzt



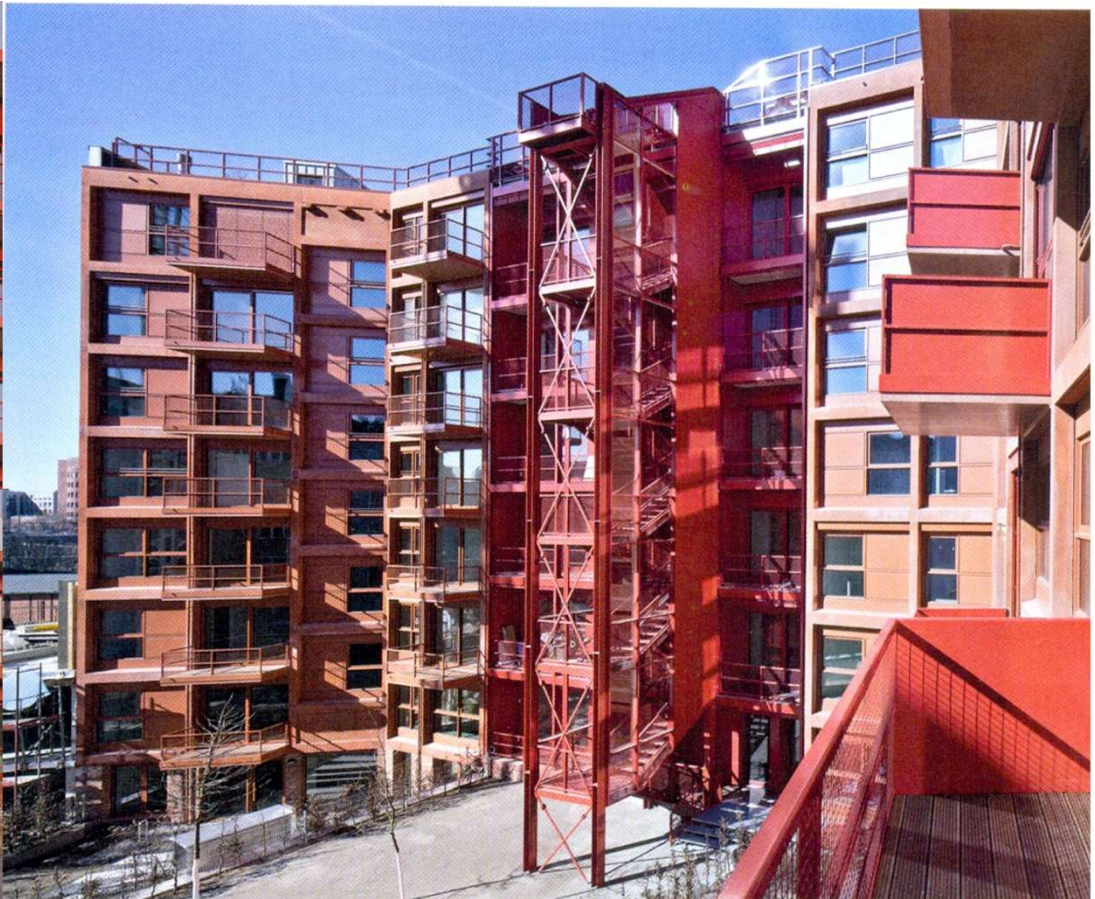
## Wohnungsneubau mit Fabrikcharakter. Am Lokdepot, Berlin Architekturburo ROBERTNEUN™



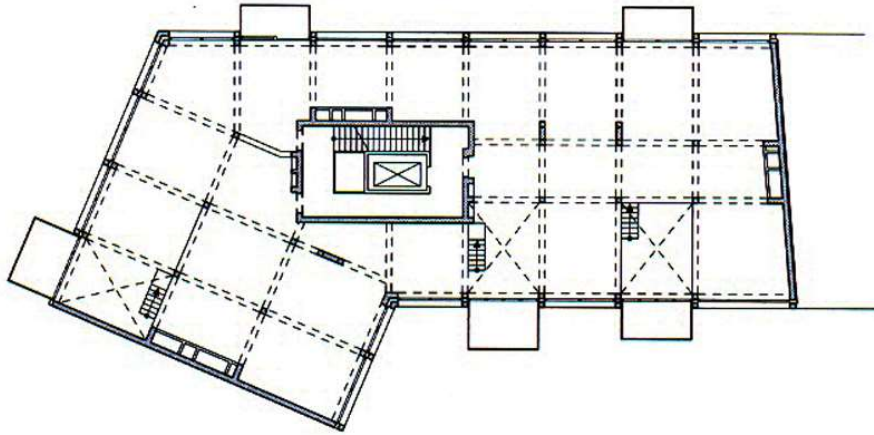
Lageplan, M 1:4 000



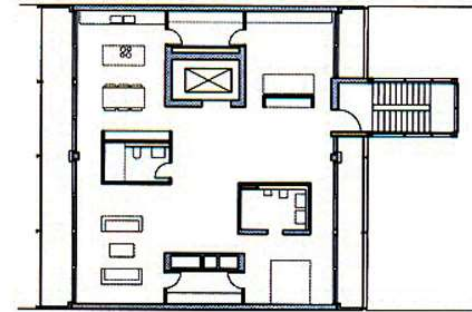
DBZ, №10, 2015, p.40-47



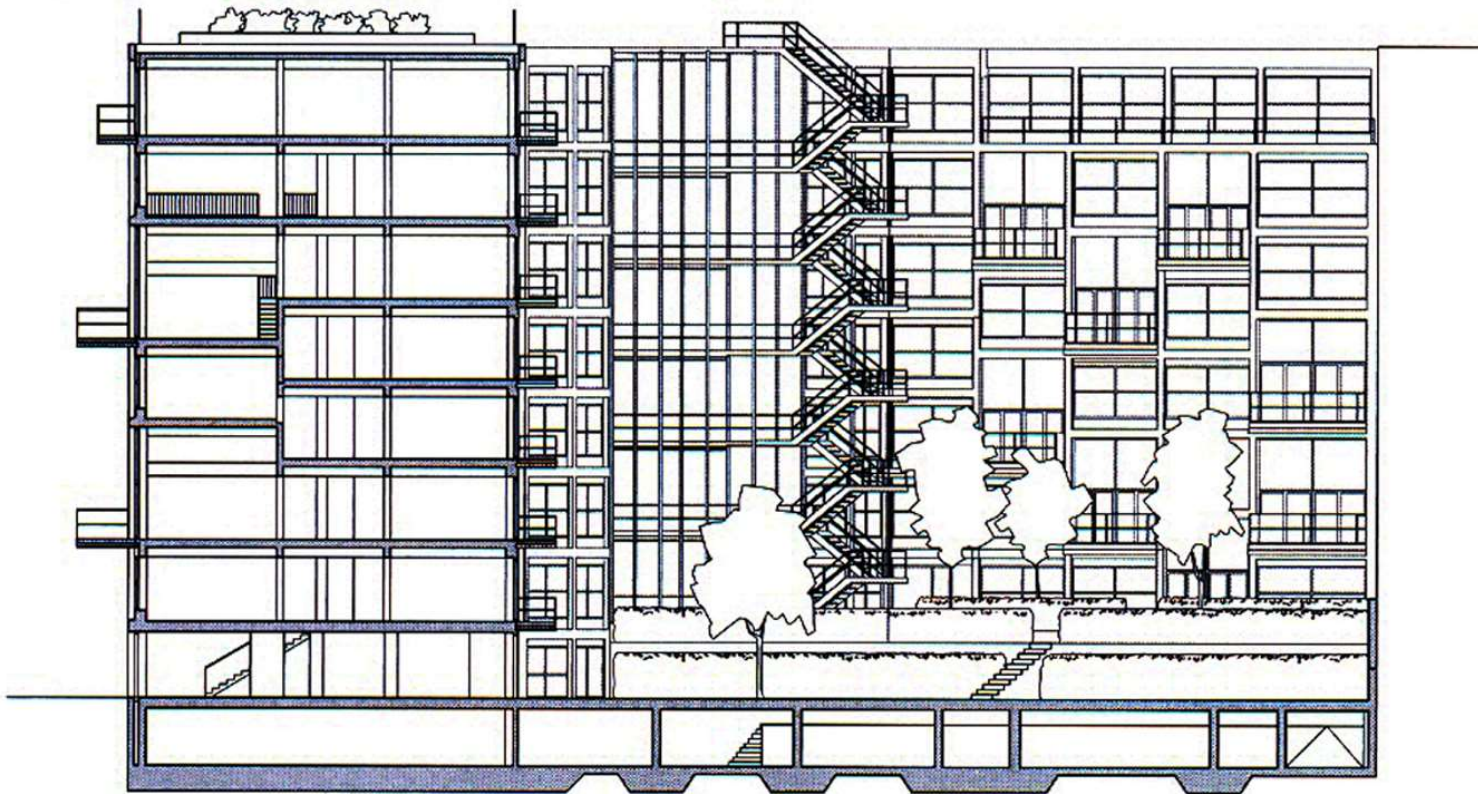
DBZ, №10, 2015, p.40-47



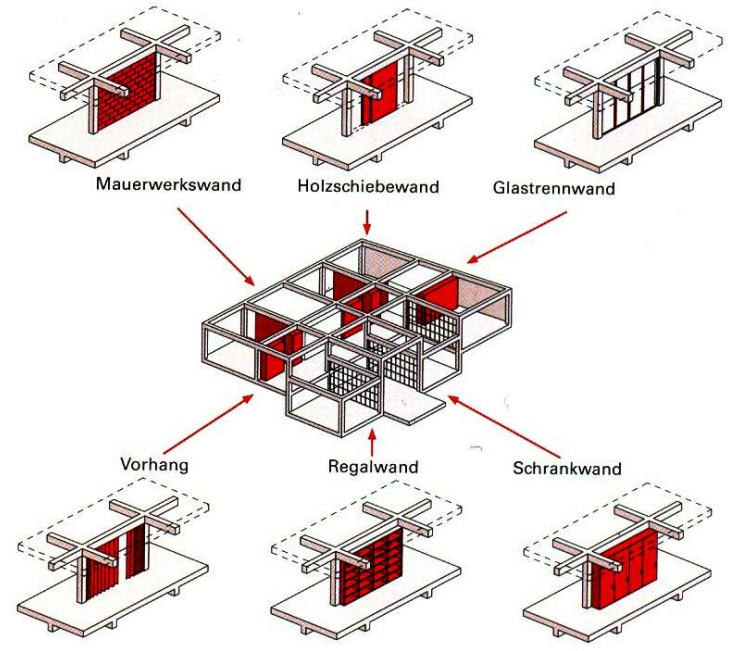
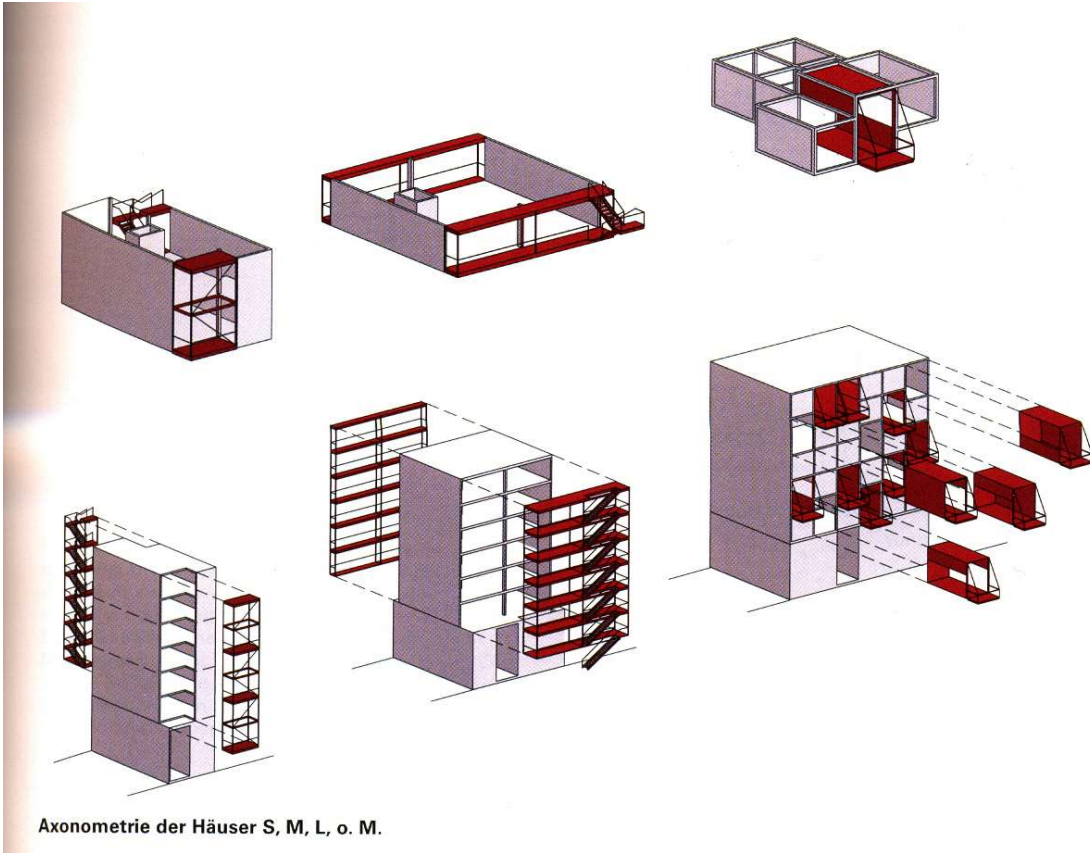
**Grundriss Haus L, M 1:500**



**Grundriss Haus M, M 1:500**



**Schnitt AA, M 1:500**

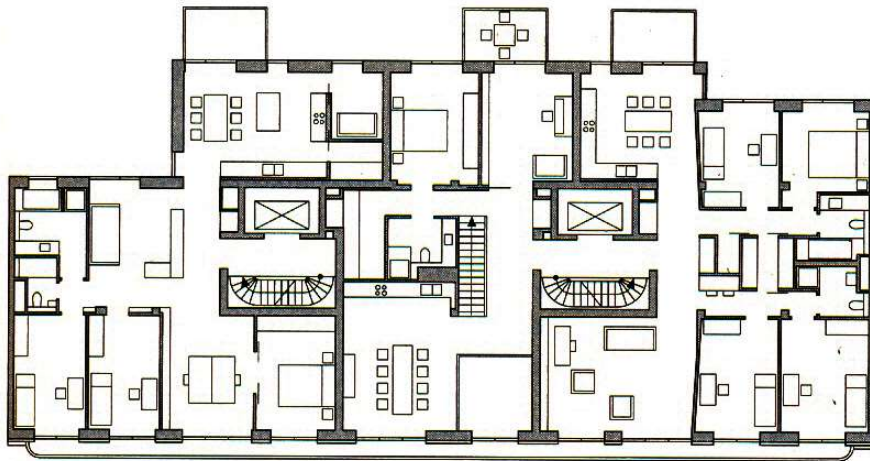


**DBZ, №10, 2015, p.40-47**

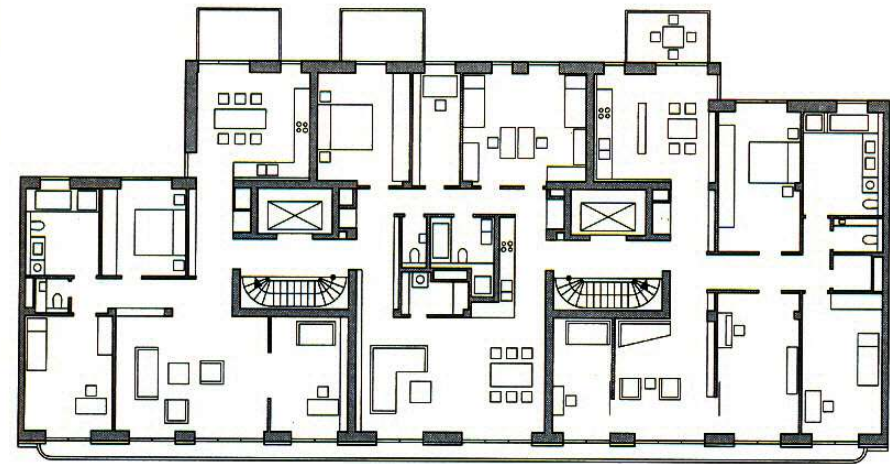


**Holz in der Stadt. Mehrfamilienhaus. 3xGrun, Berlin-Pankow**  
**Arch.: v.l.n.r. Daniel Rozynski, Christoph Roedig, Philipp Koch**

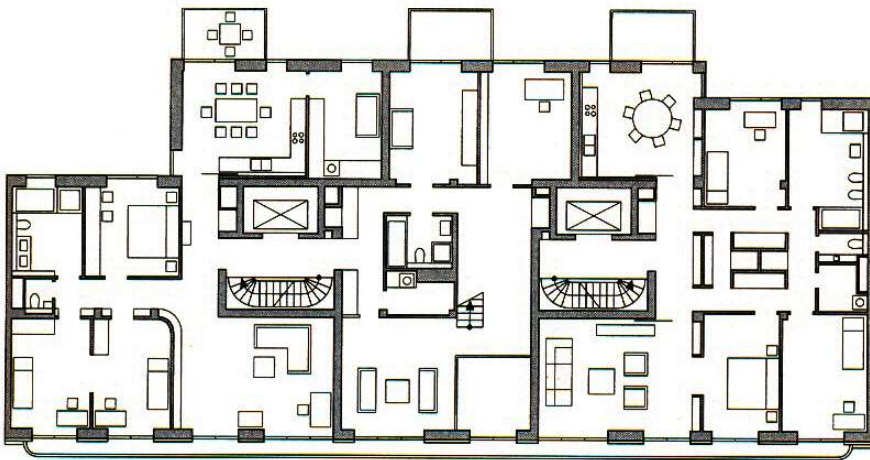




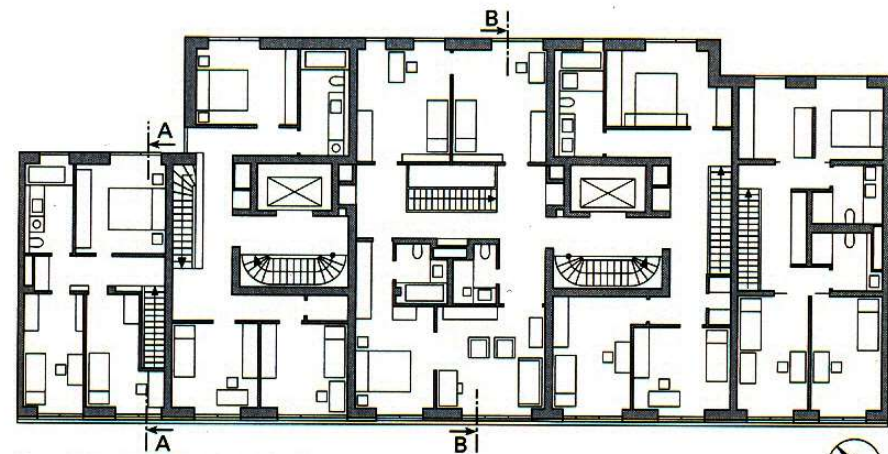
Grundriss 4. OG, M 1:333 1/3



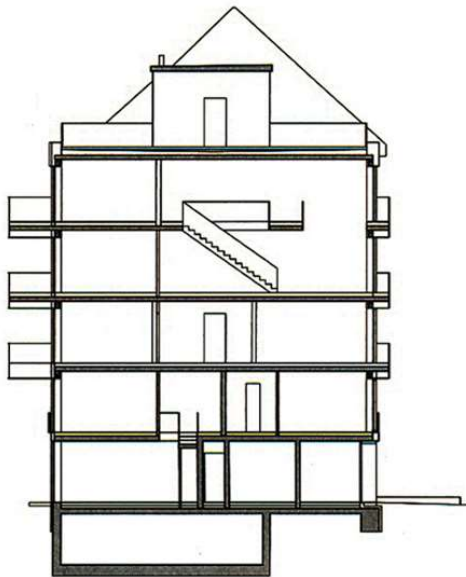
Grundriss 2. OG, M 1:333 1/3



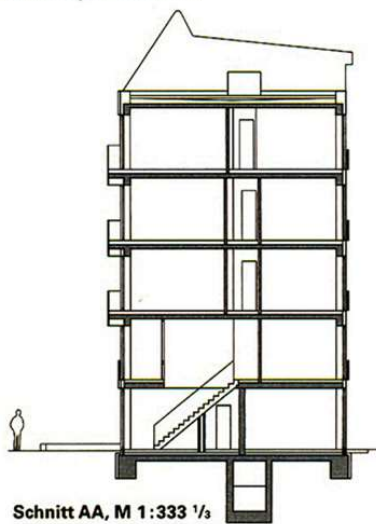
Grundriss 3. OG, M 1:333 1/3



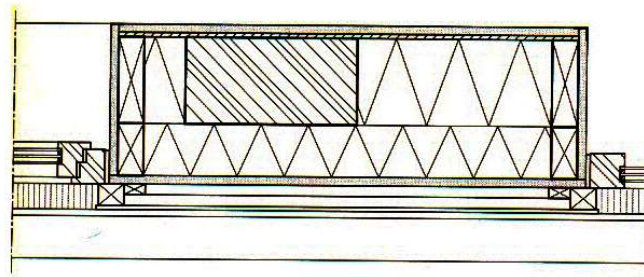
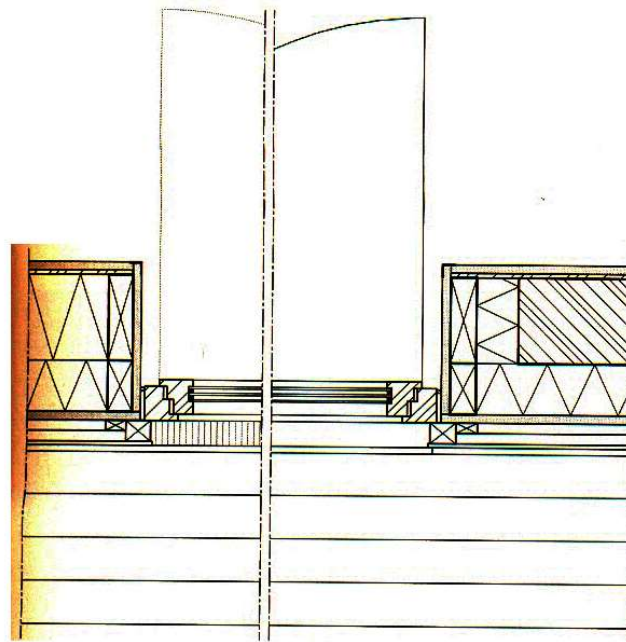
Grundriss 1. OG, M 1:333 1/3



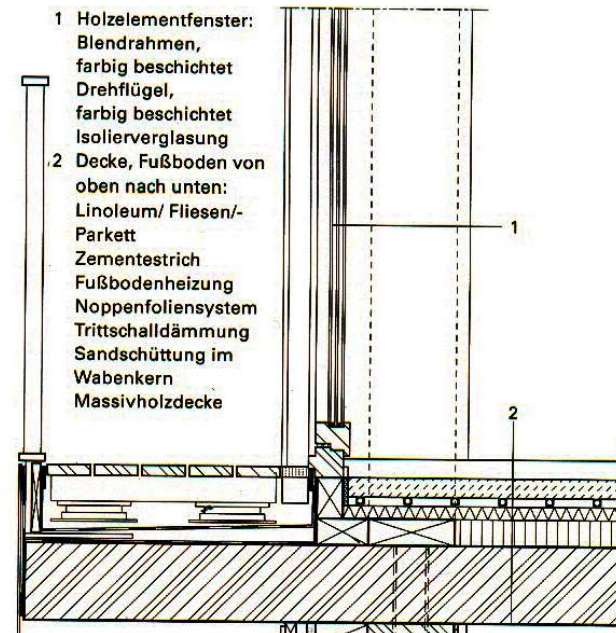
Schnitt BB, M 1:333 1/3



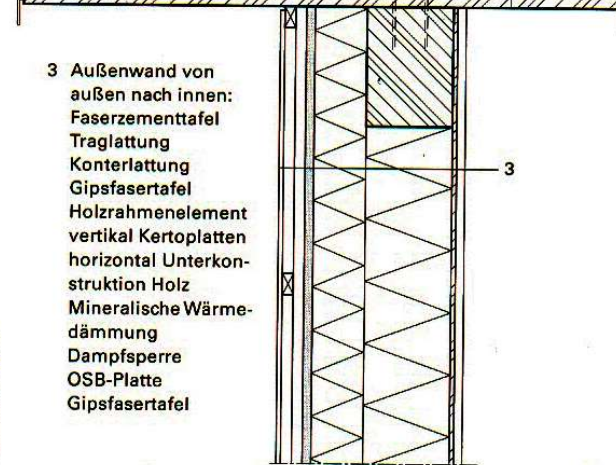
Schnitt AA, M 1:333 1/3



- 1 Holzelementfenster:  
Blendrahmen,  
farbig beschichtet  
Drehflügel,  
farbig beschichtet  
Isolierverglasung
- 2 Decke, Fußboden von  
oben nach unten:  
Linoleum/ Fliesen/  
Parkett  
Zementestrich  
Fußbodenheizung  
Noppenfoliensystem  
Trittschalldämmung  
Sandschüttung im  
Wabenkern  
Massivholzdecke

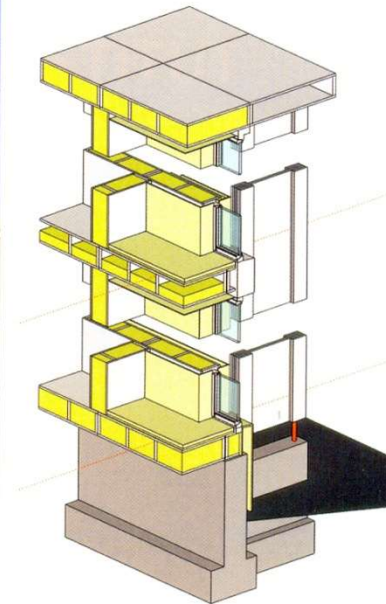


- 3 Außenwand von  
außen nach innen:  
Faserzementtafel  
Traglattung  
Konterlattung  
Gipsfasertafel  
Holzrahmenelement  
vertikal Kertoplatten  
horizontal Unterkon-  
struktion Holz  
Mineralische Wärme-  
dämmung  
Dampfsperre  
OSB-Platte  
Gipsfasertafel





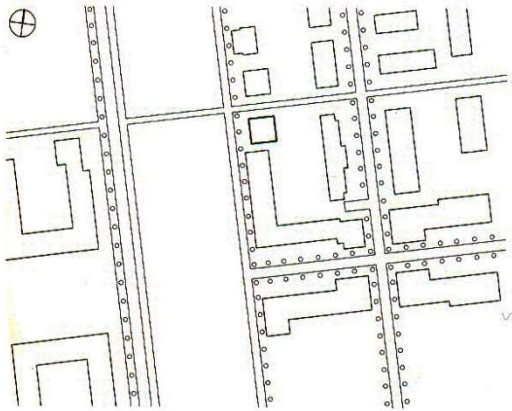
**E<sup>2</sup>volution - Modulkonzept für einen kostenoptimierten Holzbau**  
**Arch.: Gunter Schleiff, Kassel, und Tim Gockel, Berlin**



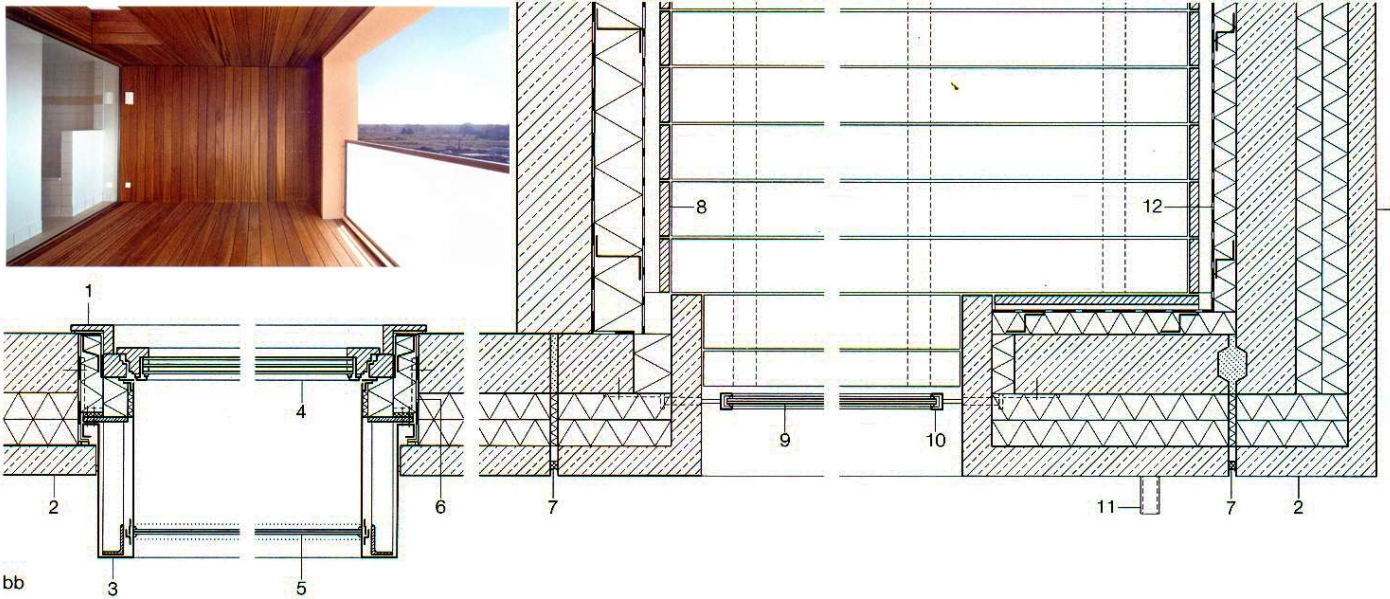
Aus 3 Elementtypen wird die Tragstruktur erzeugt: dem Decken- und Dachelement, dem Wandmodul für den vertikalen Lastabtrag und einem Wandmodul für die horizontale Aussteifung



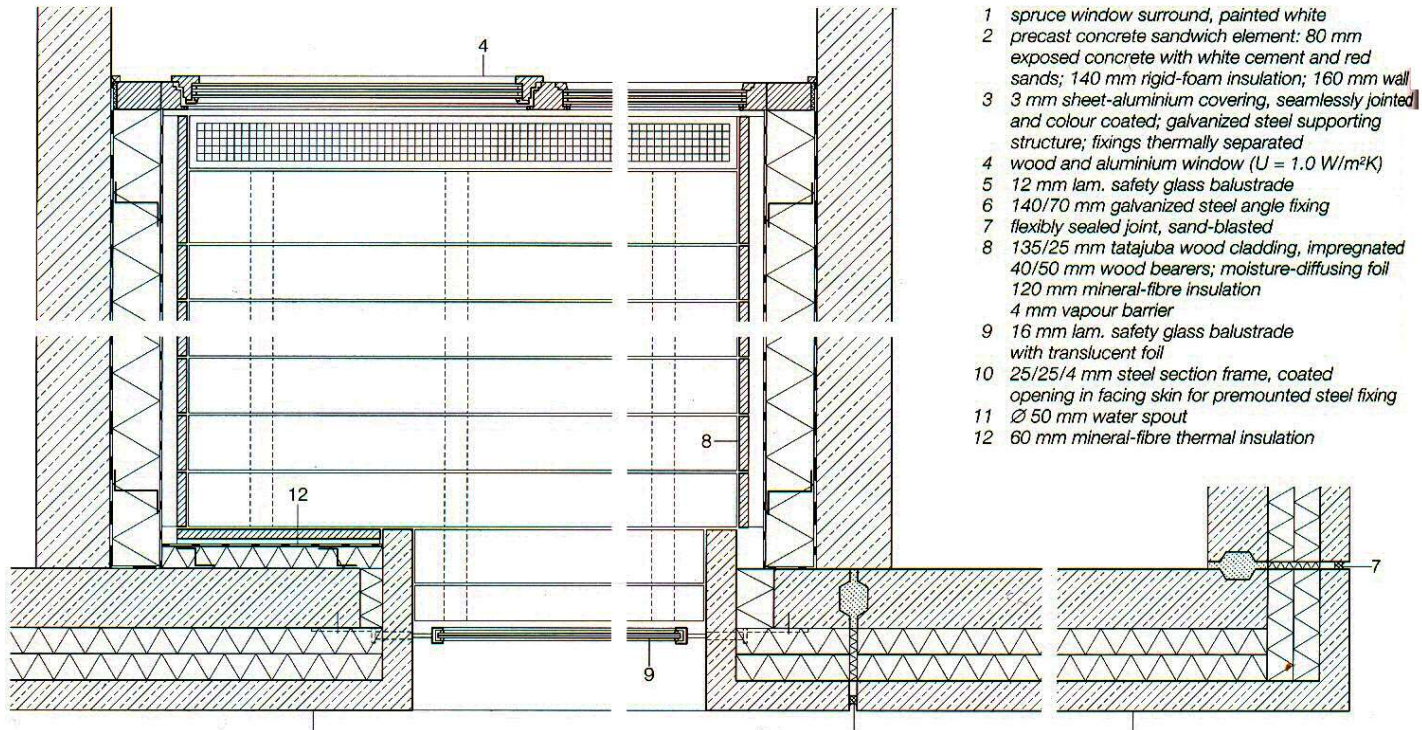
**Wohnhaus in Neu-Ulm. Housing Blok in Neu Ulm**  
**Architekturburo Wallner, Munhen**

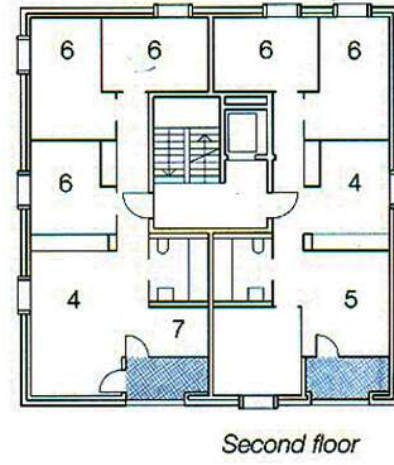
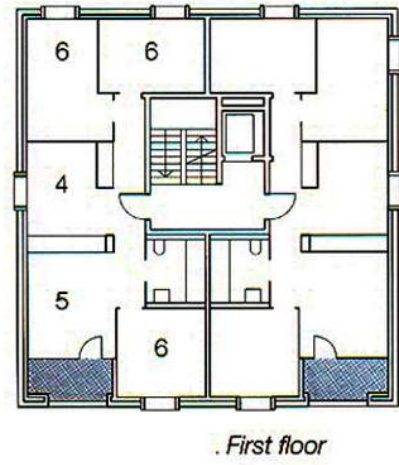
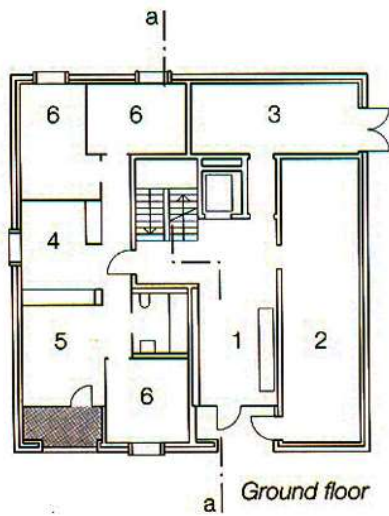


**Detail, №4, 2009, p.322-326**

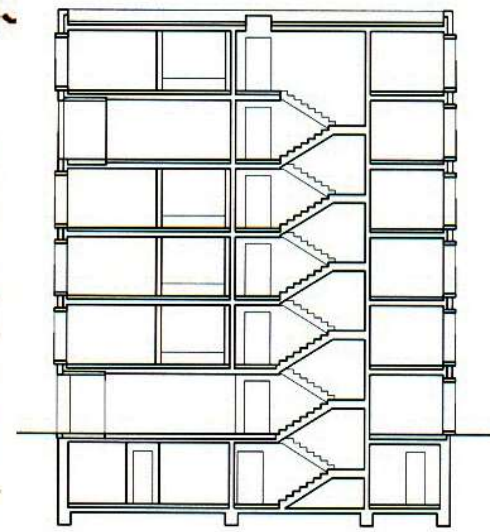
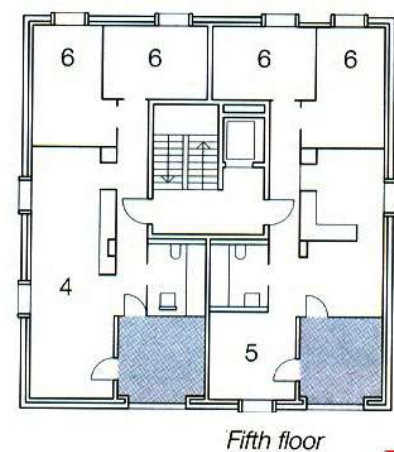
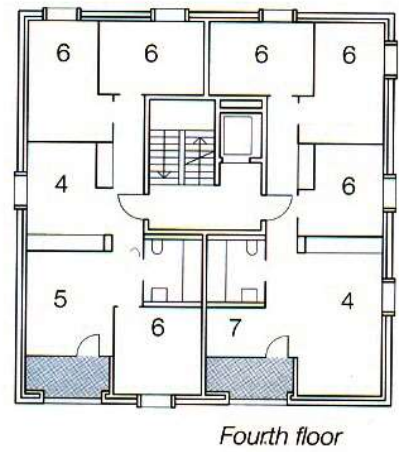
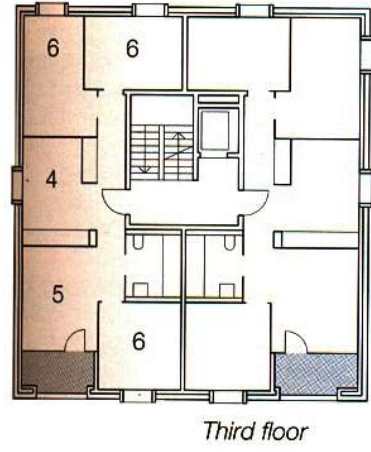


bb



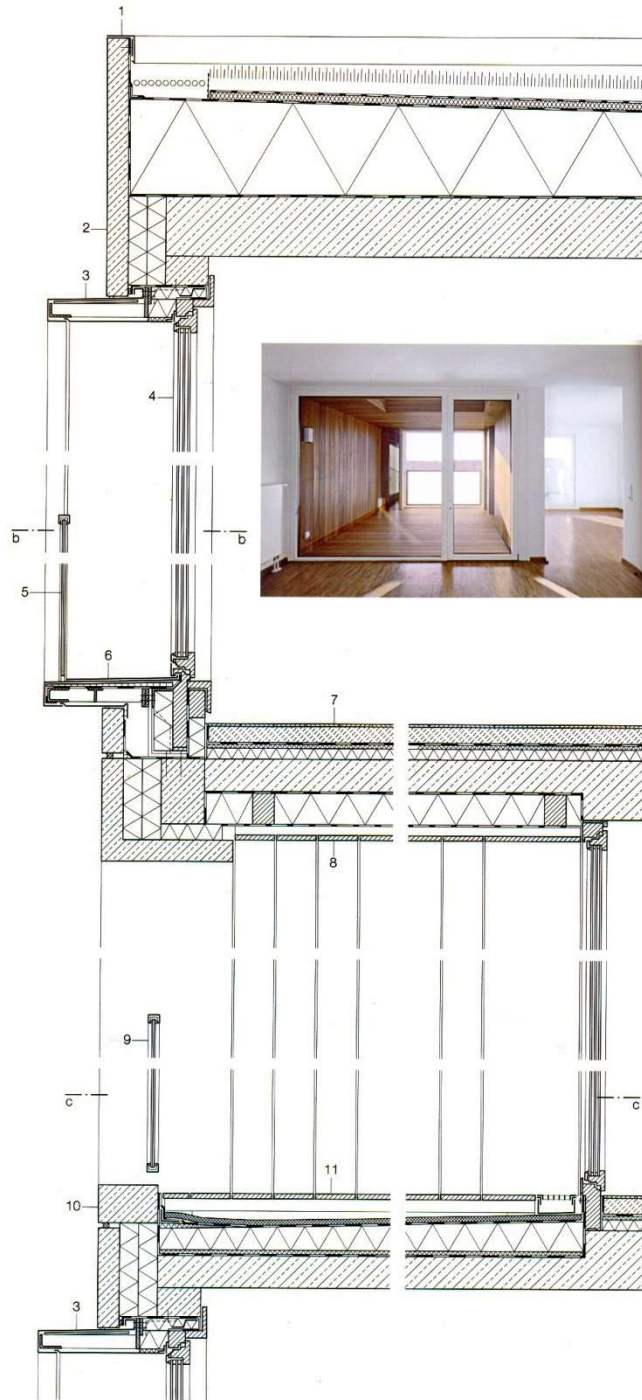


- 1 Entrance hall
- 2 Bicycle room
- 3 Refuse space
- 4 Kitchen-cum-living room
- 5 Living room
- 6 Room
- 7 Telecommuting



**Detail, №4, 2009, p.322-326**



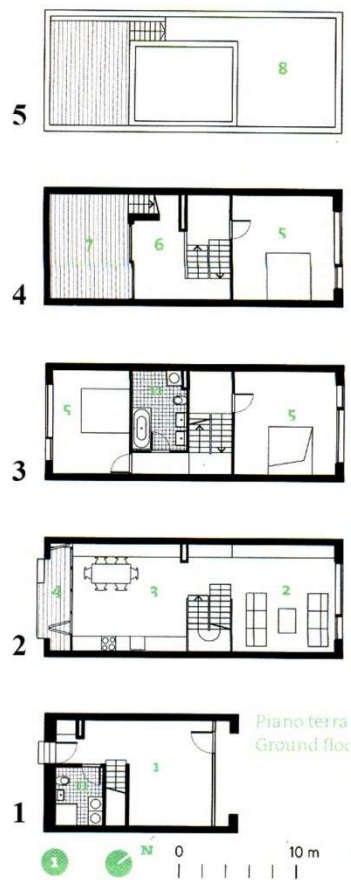


Section scale 1:400

Vertical section scale 1:20

- 1 100/100/5 mm steel angle adhesive fixed
- 2 precast concrete sandwich panel: 80 mm exposed concrete with white cement and red sands; 140 mm rigid-foam insulation; 160 mm wall
- 3 3 mm sheet-aluminium covering, seamlessly jointed and colour coated; galvanized steel supporting structure; fixings thermally separated
- 4 wood and aluminium window ( $U = 1.0 \text{ W/m}^2\text{K}$ )
- 5 12 mm lam. safety glass balustrade
- 6 40/30 mm aluminium RHS handrail
- 7 3 mm aluminium treadplate, coated
- 8 parquet flooring
- 9 135/25 mm tatajuba wood soffit lining
- 10 40/50 mm wood bearers; moisture-diffusing foil
- 11 120 mm insulation; 4 mm vapour barrier
- 12 16 mm translucent lam. safety glass balustrade
- 13 220/140 mm precast concrete kerb
- 14 20 mm wood boarding on rubber granule mat
- 15 2 mm single-layer plastic seal; 105 mm (av.) polystyrene rigid-foam insulation; 15 mm impact-sound insulation; 4 mm vapour barrier

**Committenti di nuova generazione. Cutting-edge home-owners**  
**Residential buildings without the intervention of a developer**  
**Architects: Zanderroth Architekten, Berlin**



**Domus, №962, 2012, p.62-71**



**BIGYARD,  
ZELTERSTRASSE 5, BERLIN**

A destra: il giardino della corte viene usato come spazio comune. "Per noi la cosa più affascinante di BIGyard è che le 45 parti in causa hanno rinunciato ai singoli giardinetti privati, scegliendo invece di unire le superfici che spettavano a ogni appartamento per poter usufruire di 1.300 m<sup>2</sup> di spazio verde comune", afferma Sascha Zander.

In basso: il fronte su Zelterstrasse. Il piano terra può essere utilizzato per attività commerciali

• Right: the long courtyard garden is used communally.

"The most fascinating thing about BIGyard for us is that the 45 parties involved resisted the typical townhouse mentality of sectioning off their portion of the garden," Sascha Zander reports. "Instead they put all of their small areas together and can now enjoy communal use of a much more attractive 1,300-square-metre garden courtyard." Below: view from Zelterstrasse. The ground floor can be used commercially

ground floor



1



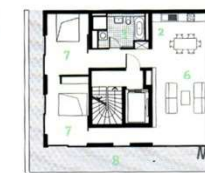
2



3



4



6



5

**ESPRESSO SCHNITZER  
LIVELLO PIANO**

Il primo progetto di Zanderroth per la Biograppo è stato quello delle "Torri gemelle", due edifici di sette piani, per un totale di dodici unità abitative. L'angolo nord-est dell'isolato (in primo piano) è stato mantenuto libero per creare una piazzetta, di proprietà del condominio, di uso pubblico.

• The first Biograppo project Zanderroth made is two twin seven-story buildings with a total of twelve dwellings, forming a small urban square at the northeastern corner, which is property of the Biograppo, but for public use.



**3 floor**



**4 floor**



**5 floor**



**ground floor**

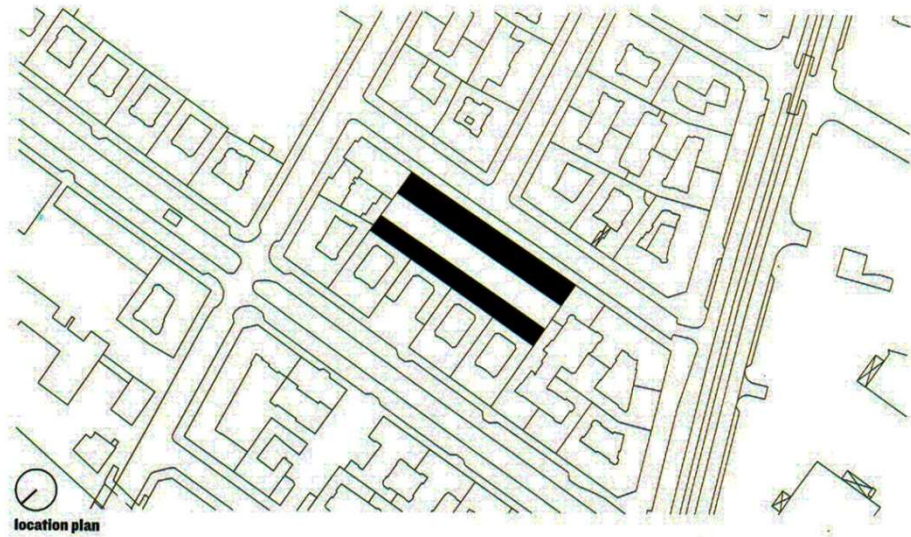


**1 floor**



**2 floor**

**BiGyard project. Berlin, Germany**  
**Таунхаусы. Берлин. Германия**  
Architects: Zanderroth Architekten



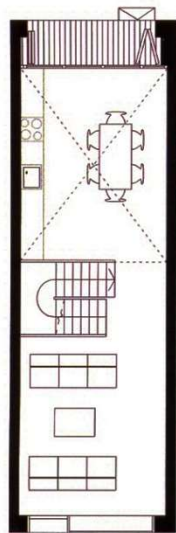
**BiGyard project. Berlin, Germany**  
**Таунхаусы. Берлин. Германия**  
Architects: Zanderroth Architekten



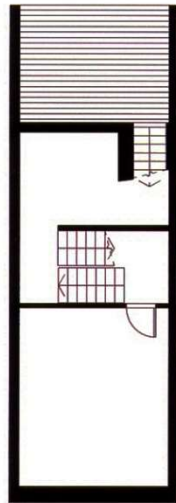
site plan



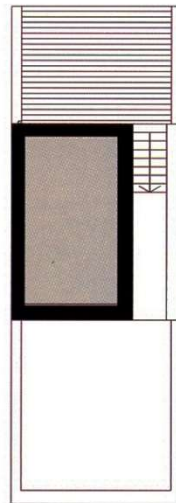
**BIGyard project. Berlin, Germany**  
**Таунхаусы. Берлин. Германия**  
 Architects: Zanderroth Architekten



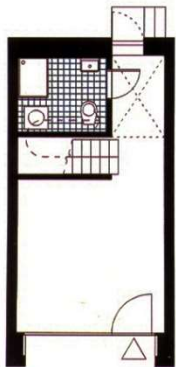
townhouse:  
garden level



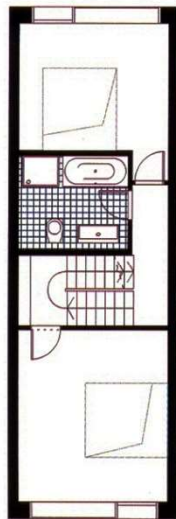
townhouse:  
level two



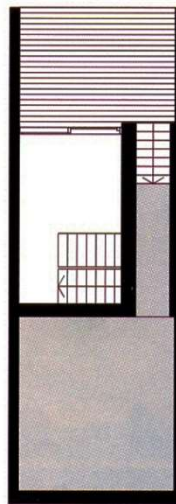
townhouse:  
roof plan



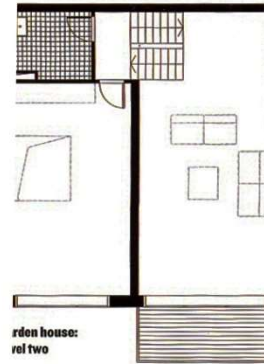
townhouse:  
street level



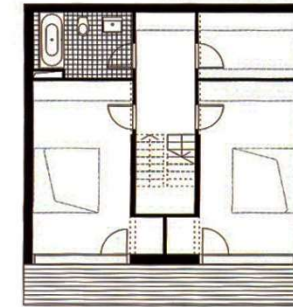
townhouse:  
level one



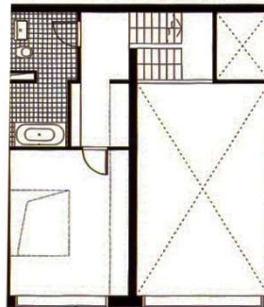
townhouse:  
level three



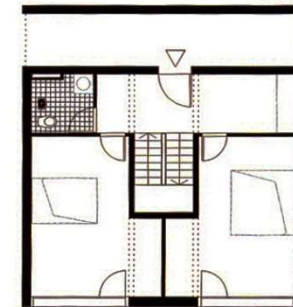
penthouse:  
level two



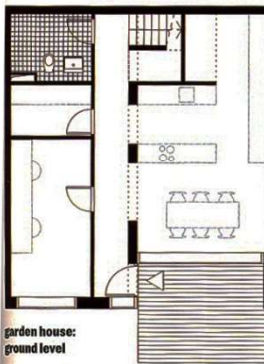
penthouse: top level



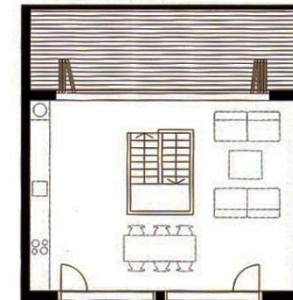
penthouse:  
level one



penthouse: entrance level



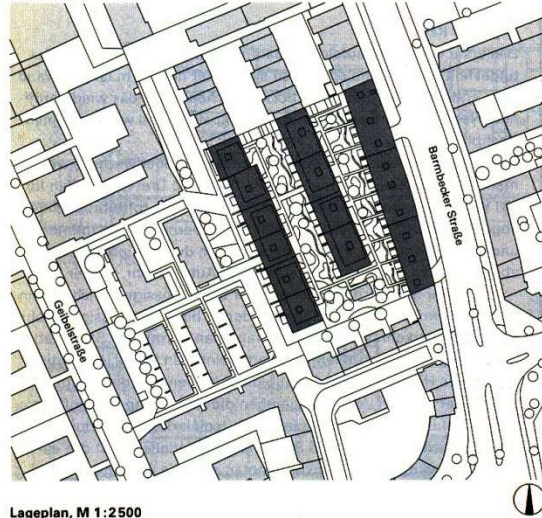
penthouse:  
ground level



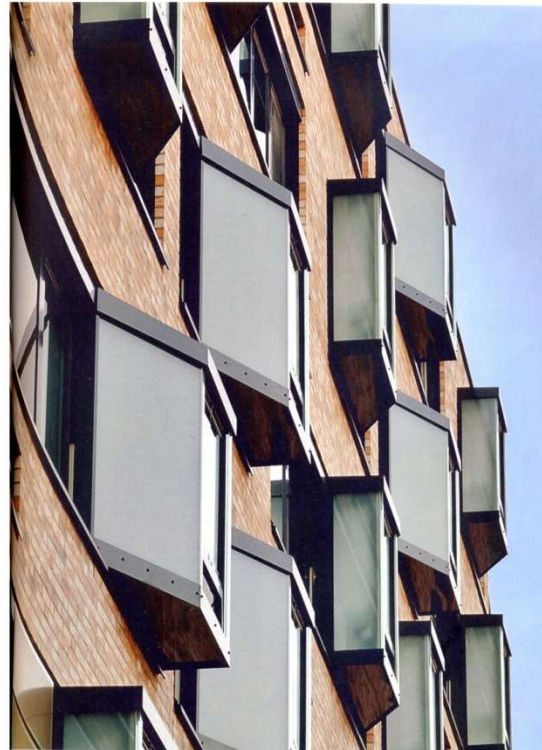
penthouse: lower level



**Dorf mit Schallschutzwand.  
Quartiersentwicklung Geibelstraße/Barm-beker Strabe, Hamburg  
Arch.: v.l.n.r.: Hajo Katzsch, Julian Hamperl, Stephan Starcke**



Lageplan, M 1:2500

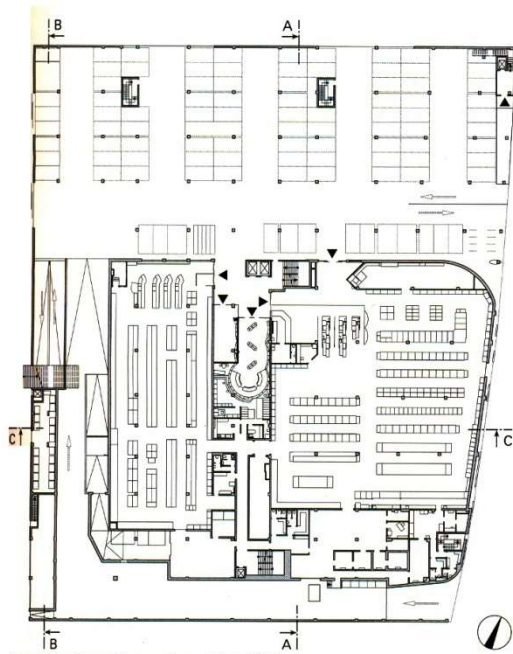




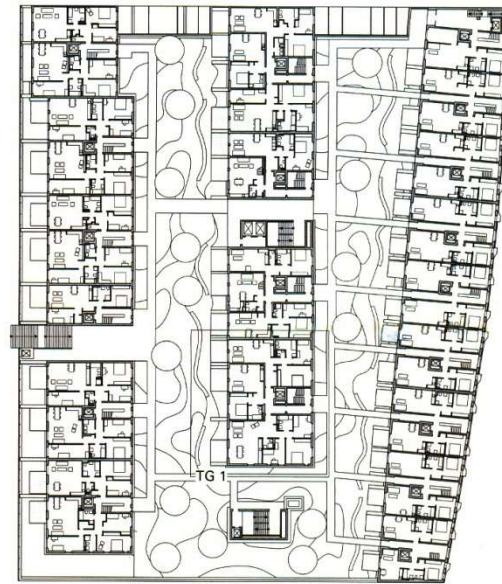


Die Balkone sind versetzt nach Süd-Westen ausgerichtet

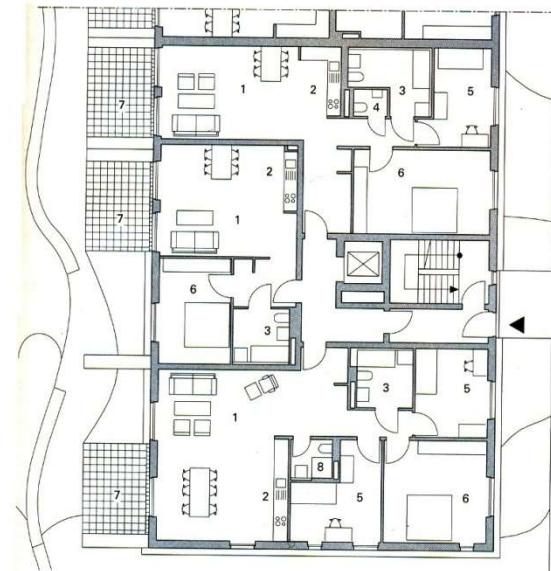




Grundriss Gewerbegeschoss, M 1:1000



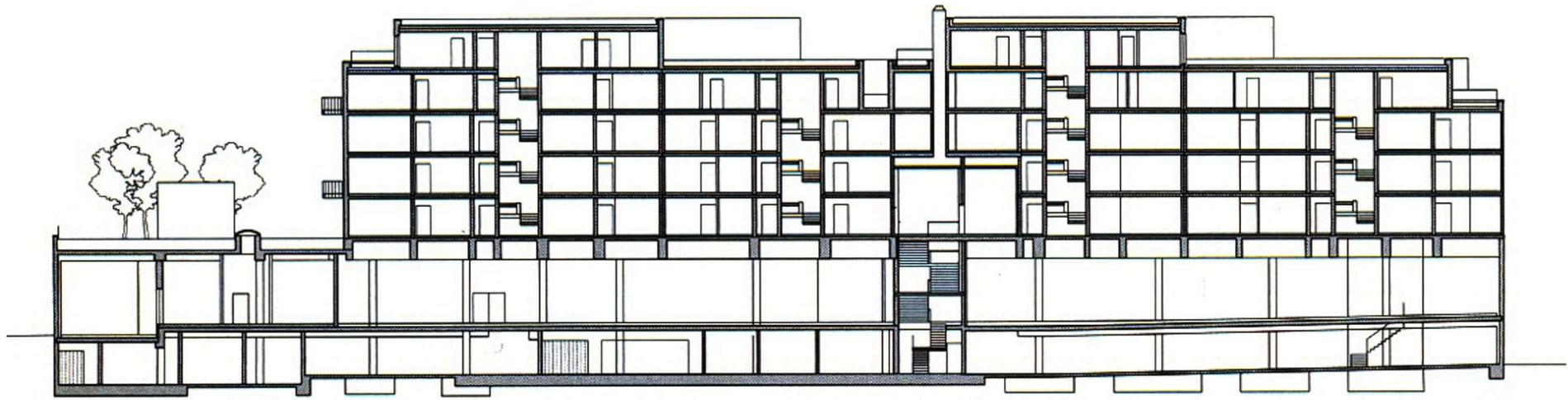
Grundriss Erdgeschoss, M 1:1000



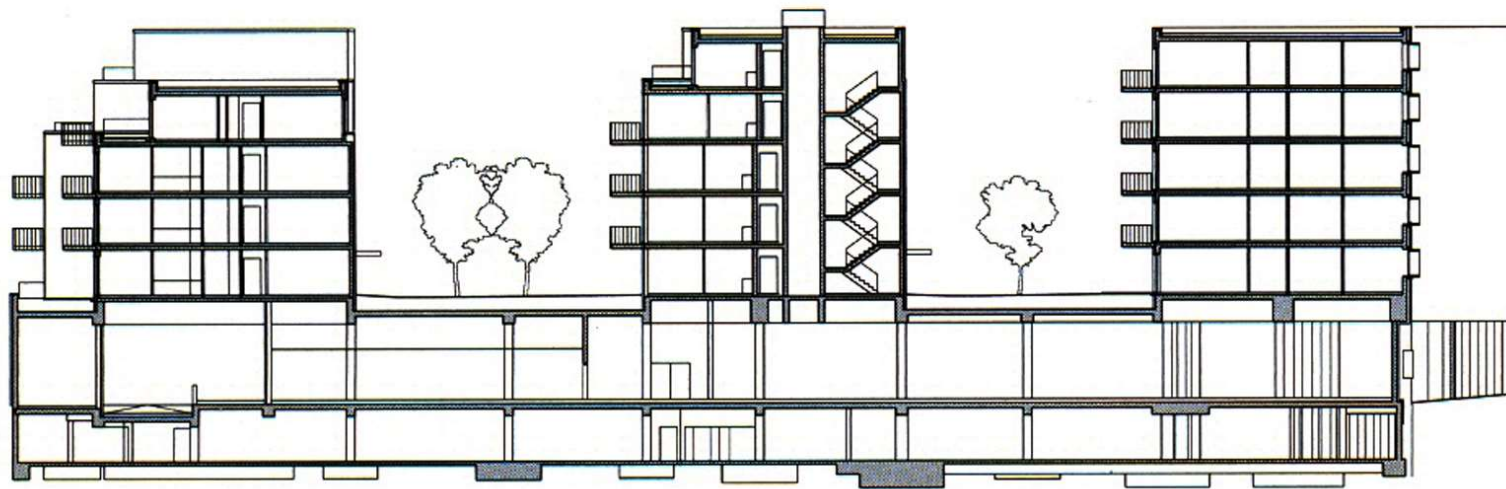
- 1 Wohnen/ Essen
- 2 Küche
- 3 Bad, behinderten gerecht
- 4 WC
- 5 Zimmer
- 6 Schlafen
- 7 Terrasse
- 8 WC/ DU

Teilgrundriss 1, Erdgeschoss, M 1:250

DBZ, №5, 2013, p. 30-37

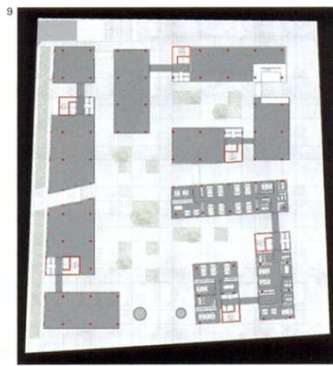
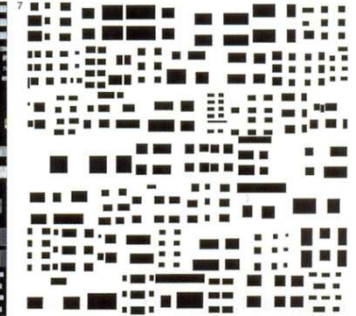
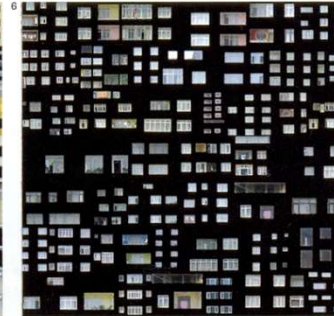


**Schnitt AA, M 1:750**

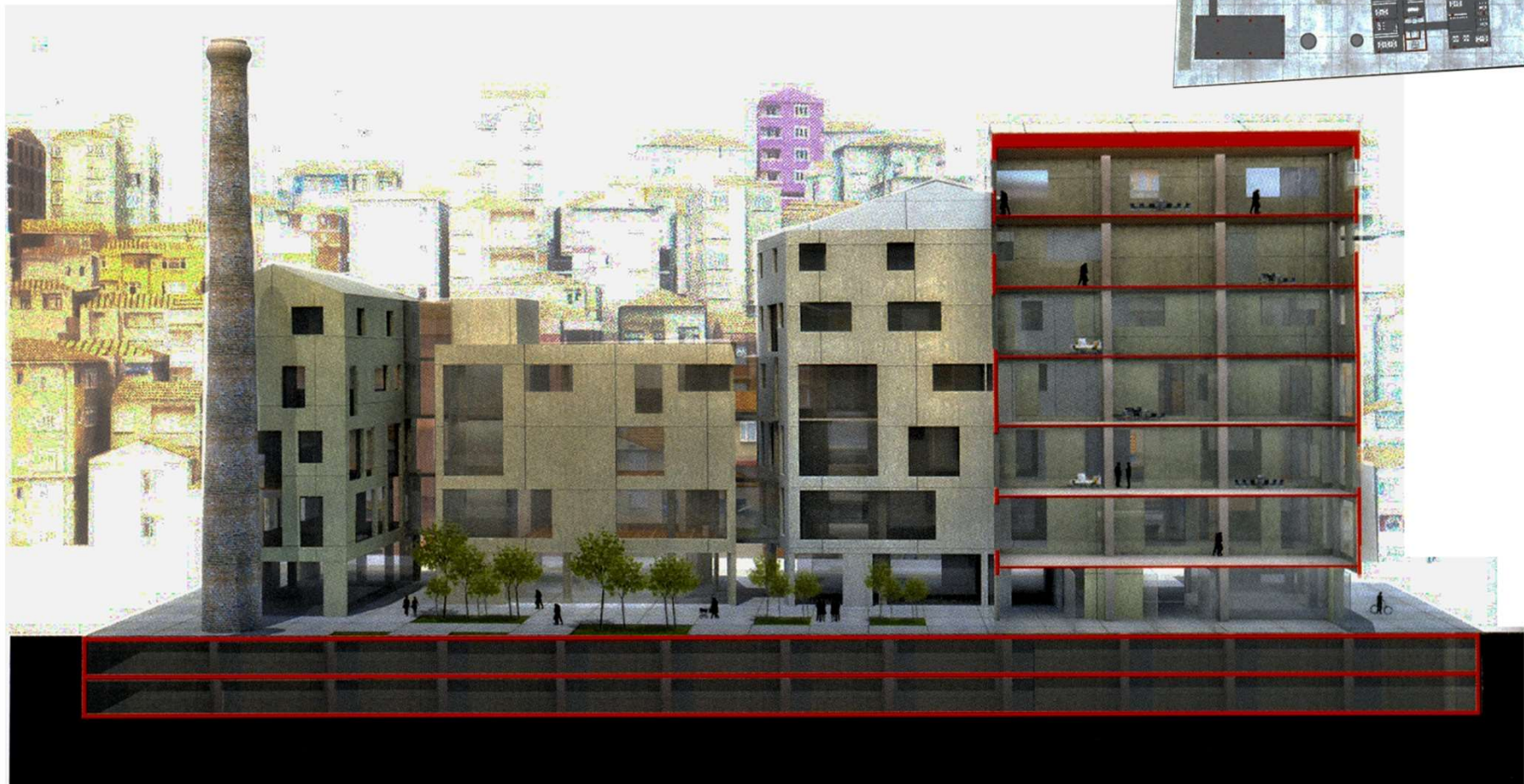
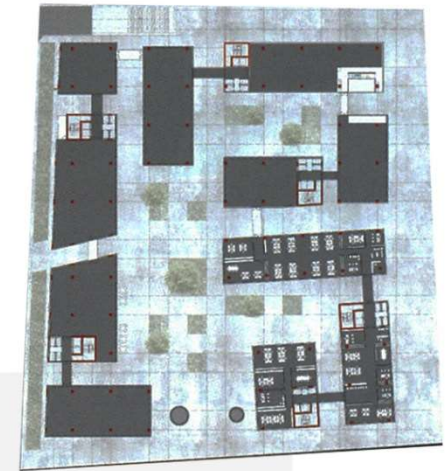


**Schnitt CC, M 1:750**

**URBAN ROOMS.** Spearheading the evolution of the Kagithane district of Istanbul as a commercial centre, this office park has wider urban and social ambitions  
Деловой парк «Kagithane Office Park». Стамбул. Турция  
Architects: Emre Arolat Architects



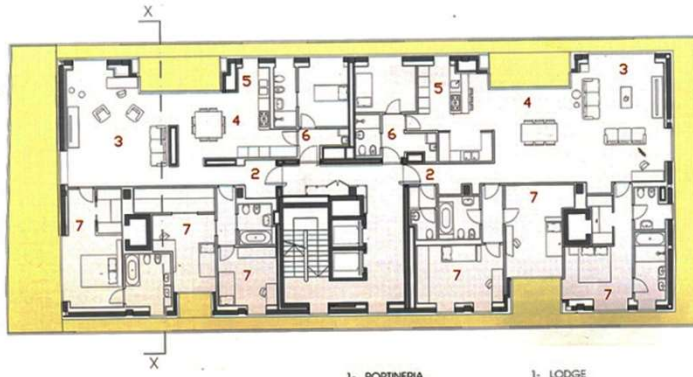
**URBAN ROOMS.** Spearheading the evolution of the Kagithane district of Istanbul as a commercial centre, this office park has wider urban and social ambitions  
Деловой парк «Kagithane Office Park». Стамбул. Турция  
Architects: Emre Arolat Architects



**Condominium «Salaino 10» Milan, Italy**  
**Жилой дом. Милан. Италия**  
Architects: Antonio Citterio Patriia Viel and Partners

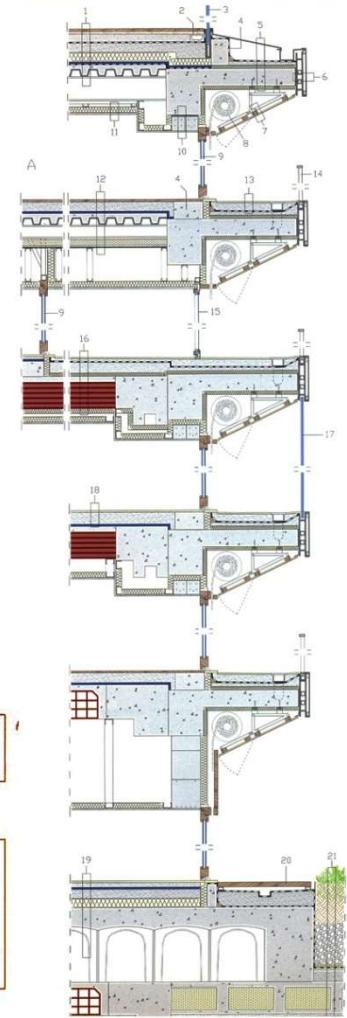
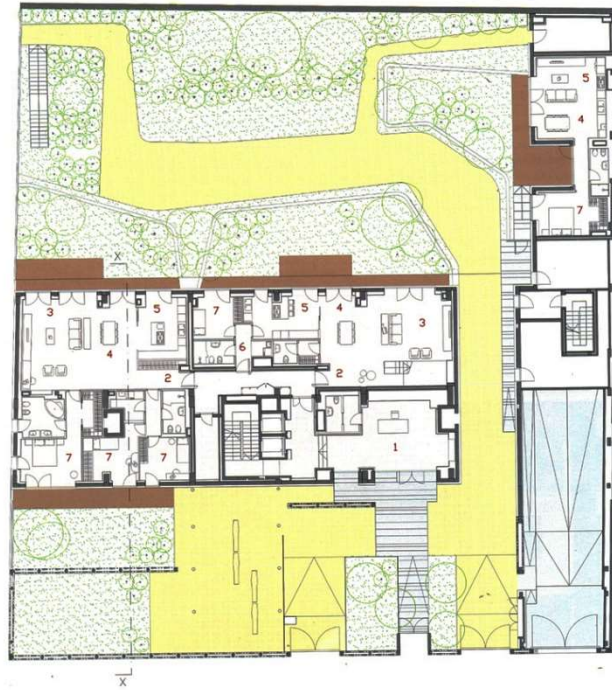


**Condominium «Salaino 10» Milan, Italy**  
**Жилой дом. Милан. Италия**  
 Architects: Antonio Citterio Patriia Viel and Partners

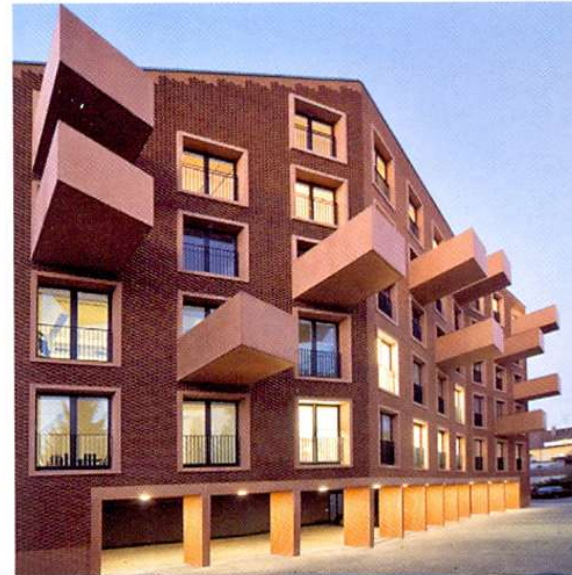


TERRA - SCALA 1:300  
 XR PLAN - SCALE 1:300

- |                         |                     |
|-------------------------|---------------------|
| 1- PORTINERIA           | 1- LODGE            |
| 2- ENTRATA              | 2- ENTRANCE         |
| 3- SOGGIORNO            | 3- LIVING ROOM      |
| 4- SALA DA PRANZO       | 4- DINING ROOM      |
| 5- CUCINA               | 5- KITCHEN          |
| 6- INGRESSO DI SERVIZIO | 6- SERVICE ENTRANCE |
| 7- CAMERA               | 7- BEDROOM          |

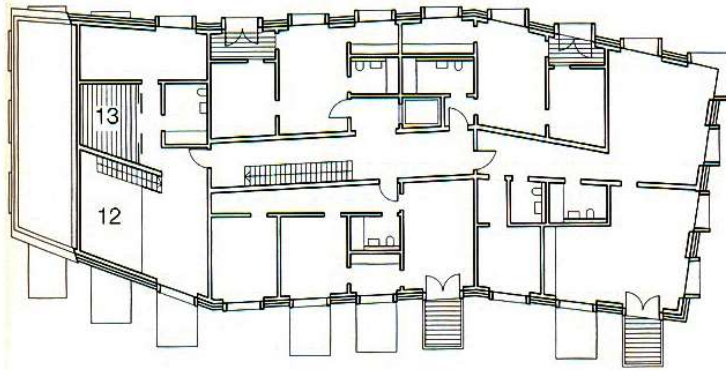


## Housing and Commercial Development in Neu-Ulm Architekten: Fink + Jocher, Munchen

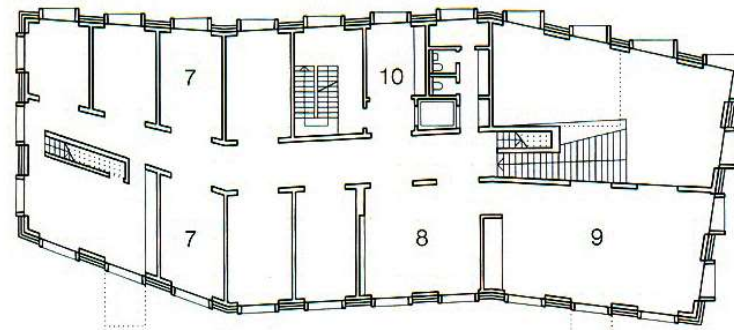


Detail, №9, 2008, p.1034-1039

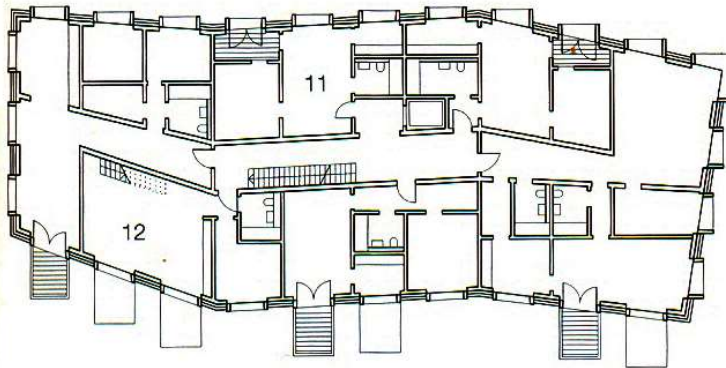




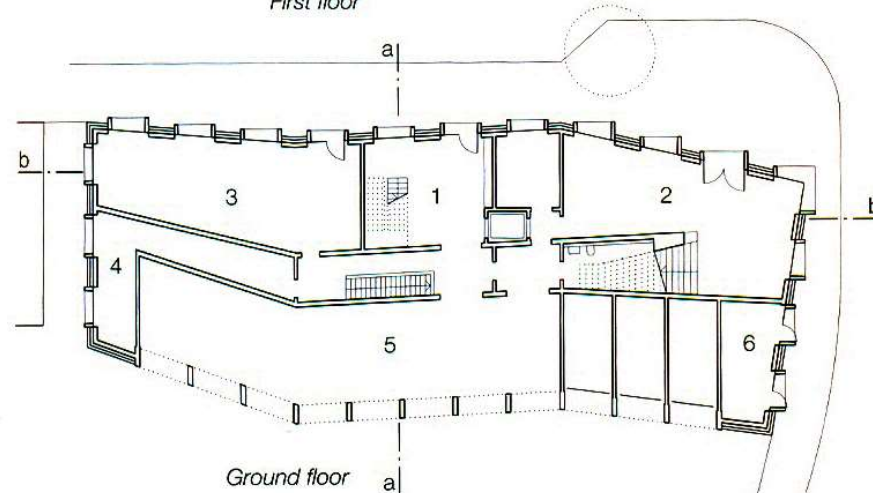
Fifth floor



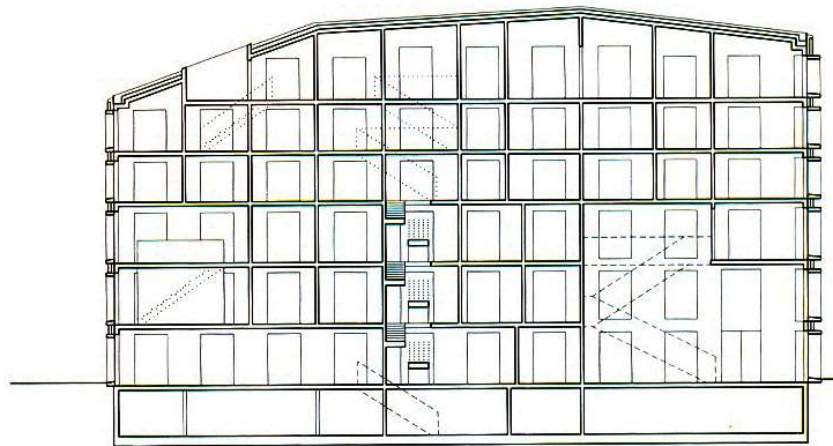
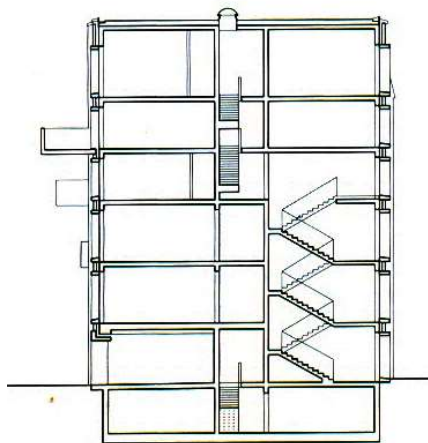
First floor



Fourth floor

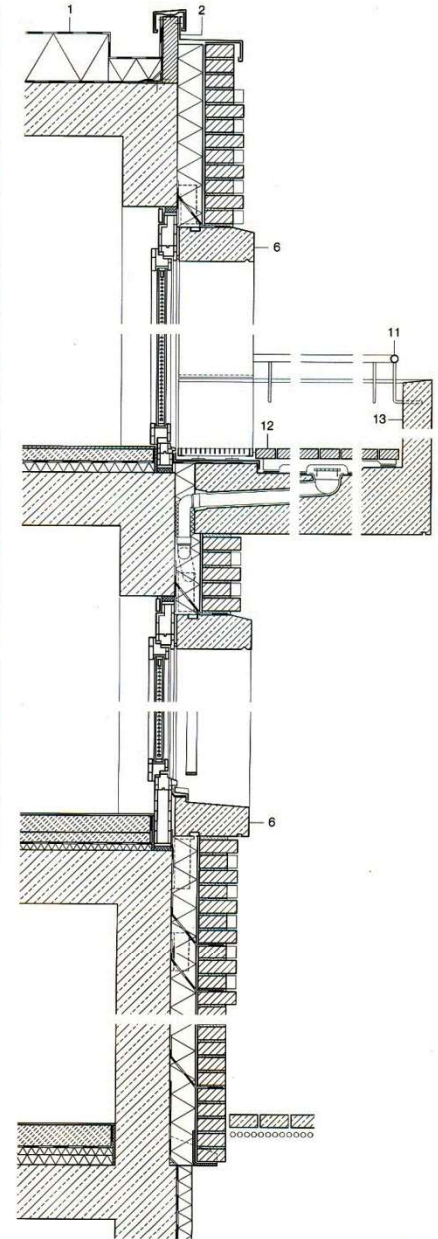
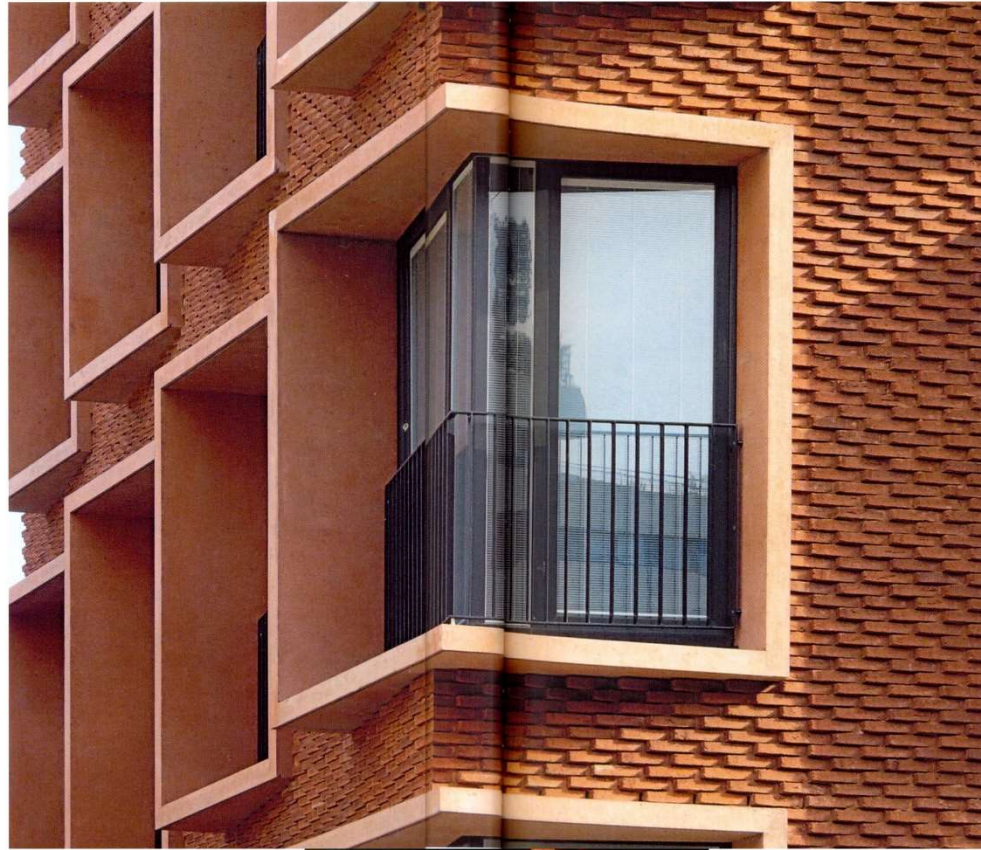
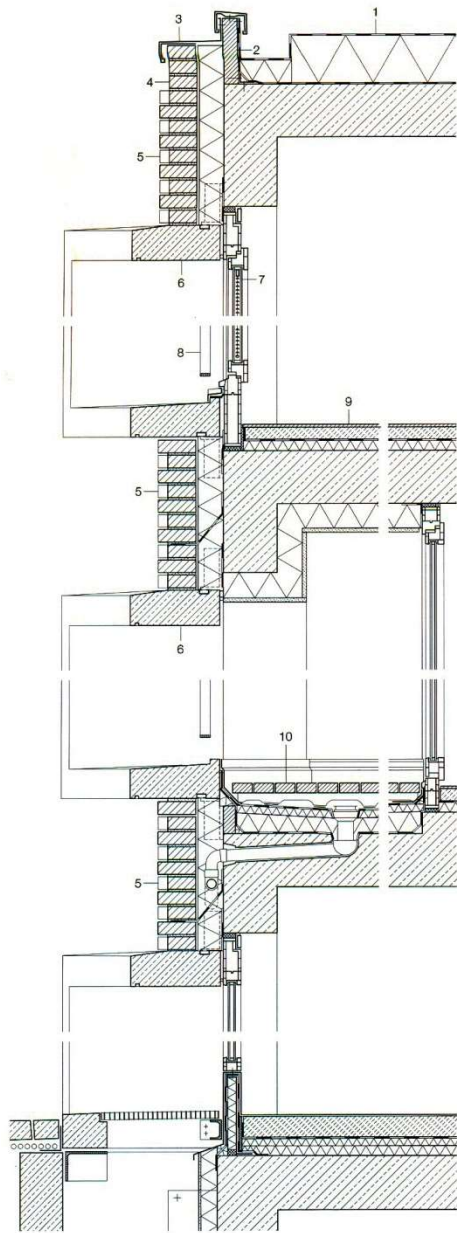


Ground floor



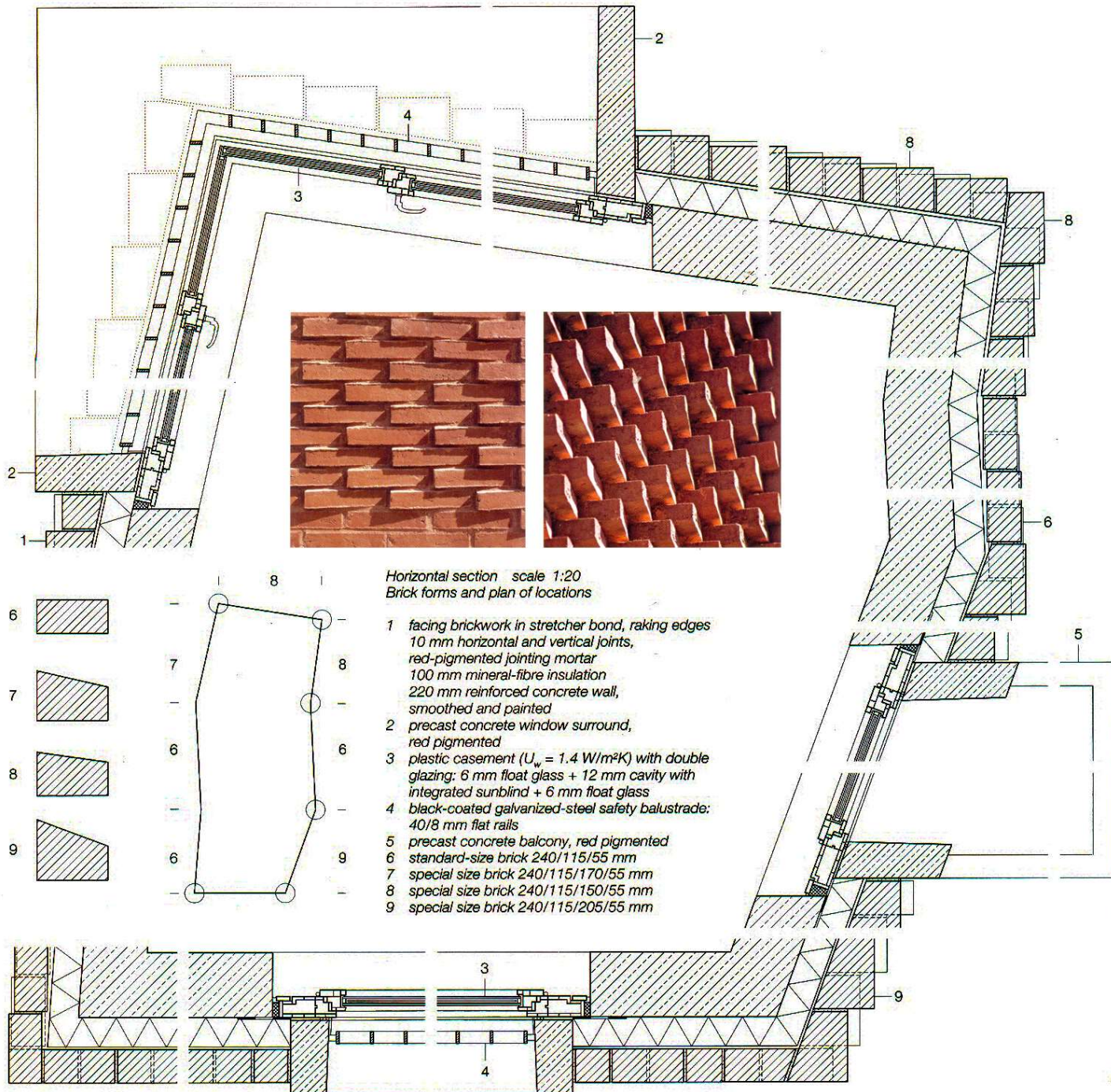
Site plan  
scale 1:4000  
Floor plans • Sections  
scale 1:500

- 1 Entrance hall to dwellings
- 2 Foyer to offices
- 3 Shop
- 4 Refuse space
- 5 Garage spaces
- 6 Bicycle store
- 7 Office
- 8 Reception
- 9 Discussion space
- 10 Kitchenette
- 11 Flat
- 12 Maisonette
- 13 Roof terrace

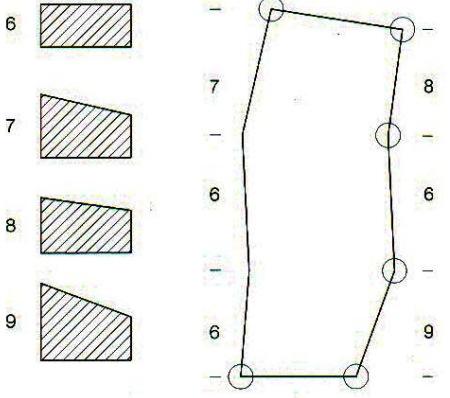


Sections scale 1:20

- |   |  |
|---|--|
| <ol style="list-style-type: none"> <li>1 2 mm single-layer UV-resistant plastic seal</li> <li>200 mm expanded polystyrene thermal insulation</li> <li>vapour barrier</li> <li>220 mm reinforced concrete roof, smoothed and painted</li> <li>2 60/260 mm timber plank</li> <li>3 0.7 mm sheet-titanium-zinc eaves covering</li> <li>4 facing brickwork in stretcher bond, with smooth external face and 10 mm horizontal and vertical joints in red-pigmented mortar</li> <li>100 mm mineral-fibre insulation</li> <li>220 mm reinforced concrete wall</li> <li>5 facing brickwork in raking bond</li> <li>6 precast concrete window surround, red pigmented with splayed top edges, fixed to reinforced concrete lintel with steel bracket</li> <li>7 plastic casement (<math>U_w = 1.4 \text{ W/m}^2\text{K}</math>) with double glazing: 6 mm float glass +</li> </ol> | <ol style="list-style-type: none"> <li>12 mm cavity with integrated + 6 mm float glass</li> <li>8 galvanized-steel safety balus black-coated: 40/8 mm flat rails and 40/6 mm flat balusters</li> <li>9 10 mm parquet</li> <li>10 loggia paving: 80/40 mm larch strips on ba</li> <li>impact-sound insulation: neoprene gasket sealing layer</li> <li>70 mm (av.) extruded polystyrene thermal insulation</li> <li>5 mm bitumen sealing layer</li> <li>11 Ø 30/3 mm galvanized steel tubular safety rail, black coated</li> <li>12 80/40 mm larch strip paving on battens</li> <li>impact-sound insulation: neoprene gasket</li> <li>13 precast waterproof-concrete balcony element, red-pigmented; reinforcement junction thermally insulated</li> </ol> |
|---|--|

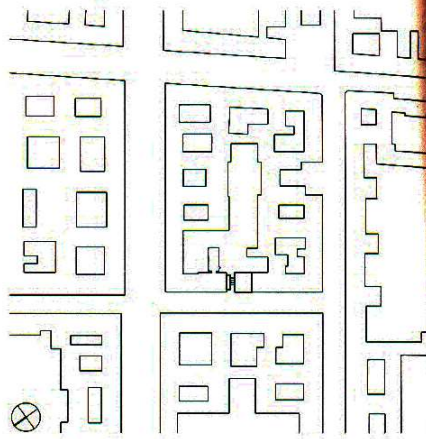


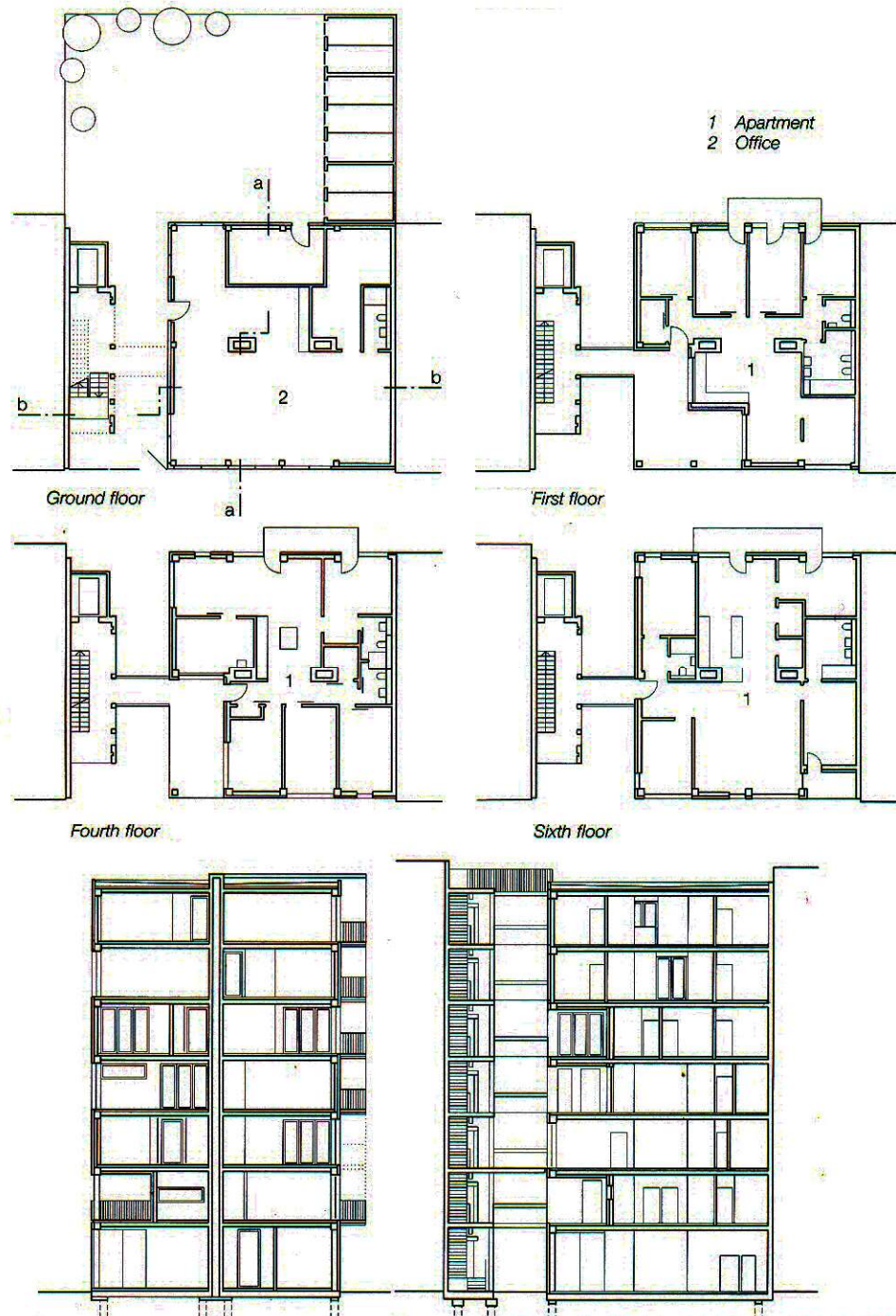
Horizontal section scale 1:20  
Brick forms and plan of locations

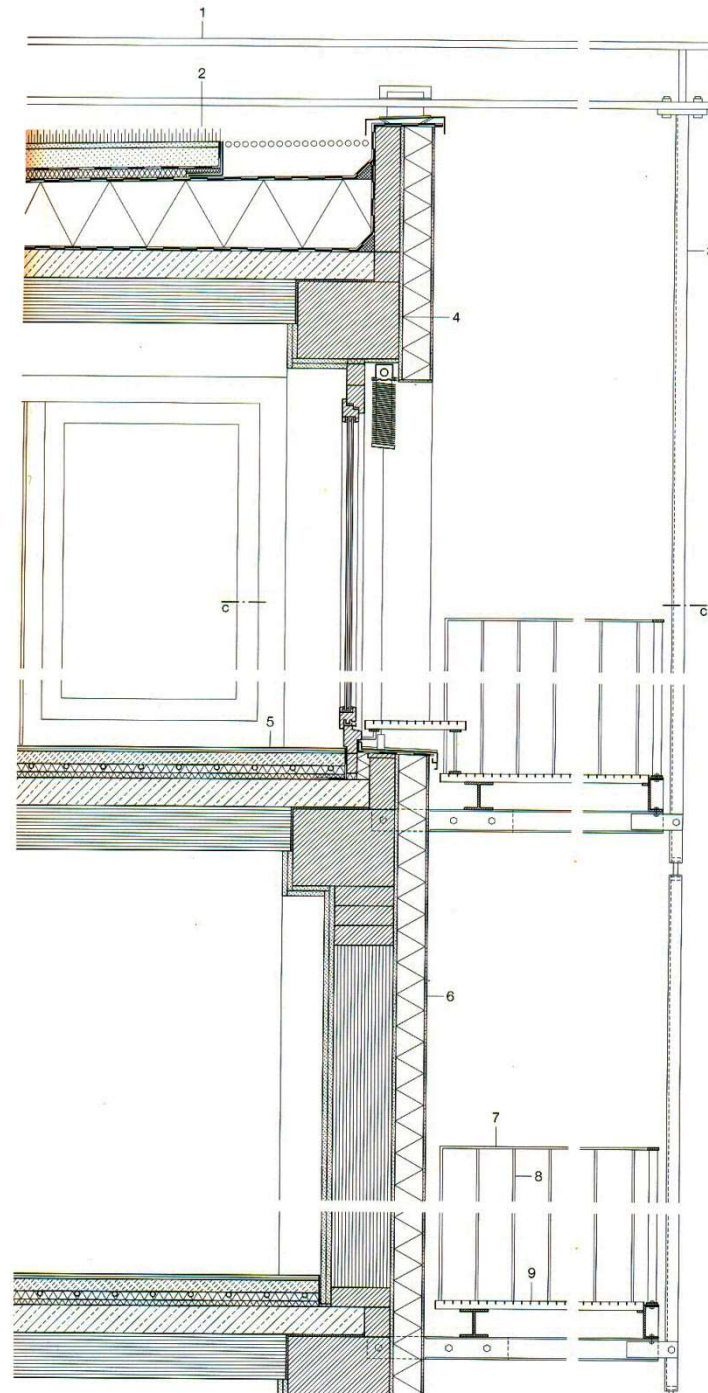


- 1 facing brickwork in stretcher bond, raking edges  
10 mm horizontal and vertical joints,  
red-pigmented jointing mortar
- 2 100 mm mineral-fibre insulation
- 3 220 mm reinforced concrete wall,  
smoothed and painted
- 4 precast concrete window surround,  
red pigmented
- 5 plastic casement ( $U_w = 1.4 \text{ W/m}^2\text{K}$ ) with double  
glazing: 6 mm float glass + 12 mm cavity with  
integrated sunblind + 6 mm float glass
- 6 black-coated galvanized-steel safety balustrade:  
40/8 mm flat rails
- 7 precast concrete balcony, red pigmented
- 8 standard-size brick 240/115/55 mm
- 9 special size brick 240/115/170/55 mm
- 10 special size brick 240/115/150/55 mm
- 11 special size brick 240/115/205/55 mm

**Wohngebaude in Berlin. Flats in Berlin**  
**Architekten: Kaden Klingbeil Architekten, Berlin**







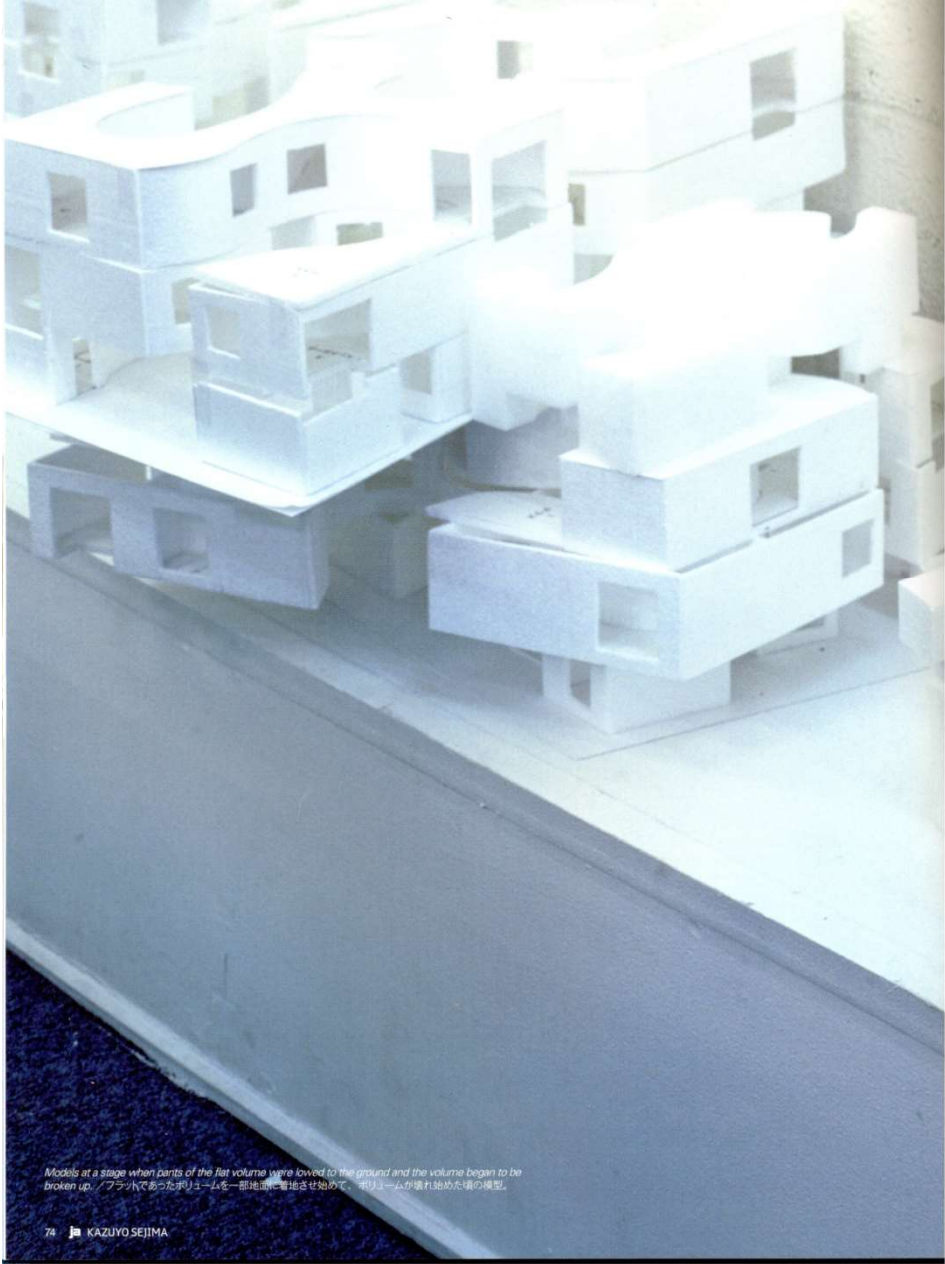
- 1 240 mm steel beam
- 2 roof construction:  
extensive green roof; 20 mm substrate layer  
70 mm levelling / buffer layer  
polypropylene moisture retention / protection mat  
30 mm drainage and water storage  
separating / protective mat  
polymer-modified bituminous membrane  
root-inhibitor membrane  
woven glass fabric / bituminous sheeting  
200 mm thermal insulation; separating layer  
wood-concrete composite floor system:  
100 mm concrete +  
160 mm massive timber system
- 3 40/80 mm steel-channel suspension
- 4 36/28 mm timber rail
- 5 18 mm parquet; 45 mm cement screed  
30 mm pocketed polystyrene  
20 mm impact-sound insulation  
wood-concrete composite floor system:  
100 mm reinforced concrete +  
160 mm massive timber system
- 6 8 mm mineral-based render  
100 mm rockwool thermal insulation  
12.5 mm gyps. fibreboard  
160 mm solid timber wall  
2x 18 mm gypsum fibreboard
- 7 40/10 mm steel flat railing, galvanized
- 8 30/10 mm steel flat baluster, galvanized
- 9 floor construction balcony:  
grating; 96 mm steel beam  
2x 40/80 mm steel channel

**Okurayama Apartments**

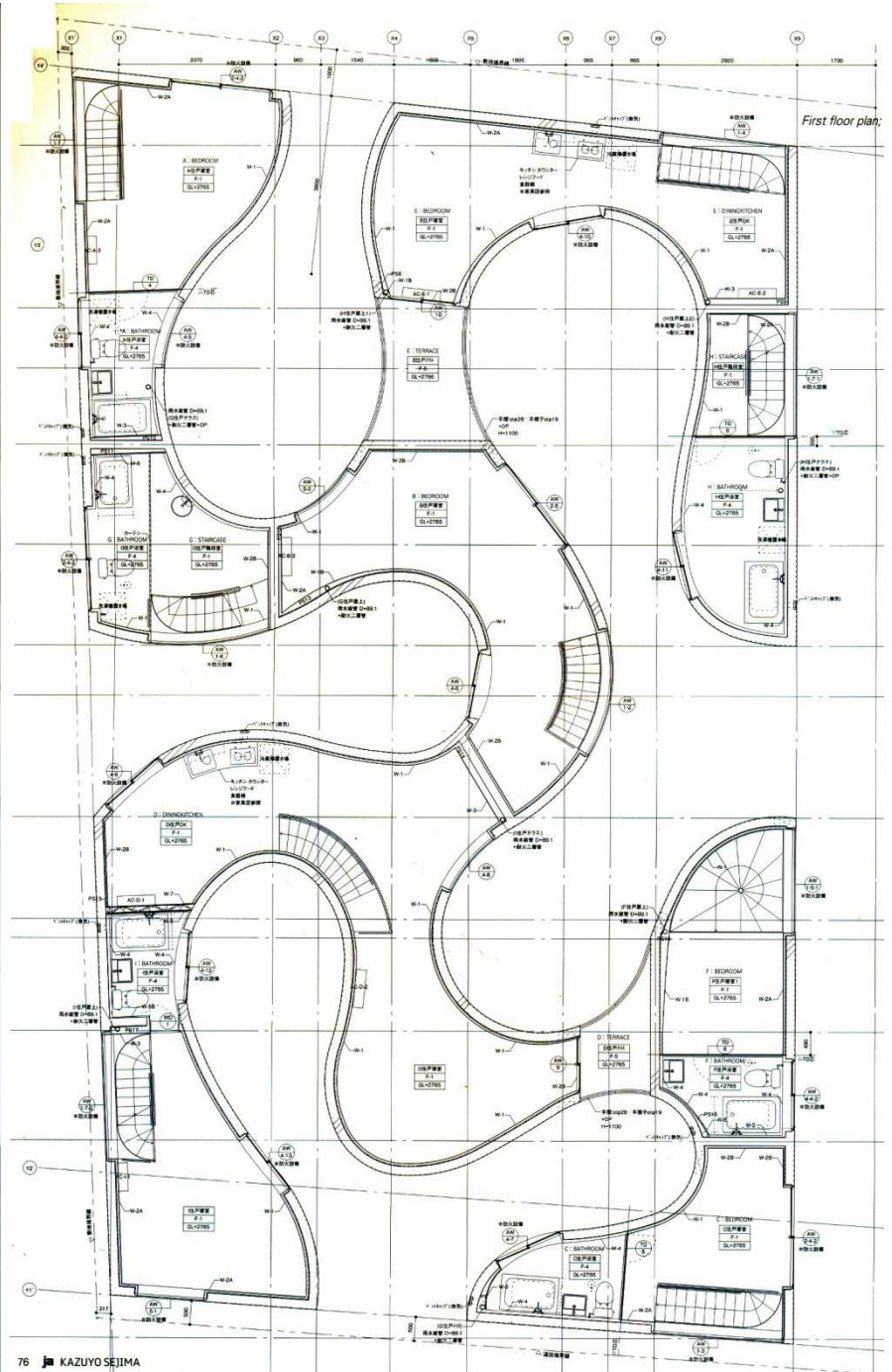
Tokyo, Japan

大倉山の集合住宅 2006~2008

Architects: Kazuyo Sejima, 2006-2008



Models at a stage when parts of the flat volume were lowered to the ground and the volume began to be broken up. / フラットであったボリュームを一部地面に着地させ始めて、相対ボリュームが壊れ始めた頃の模型。

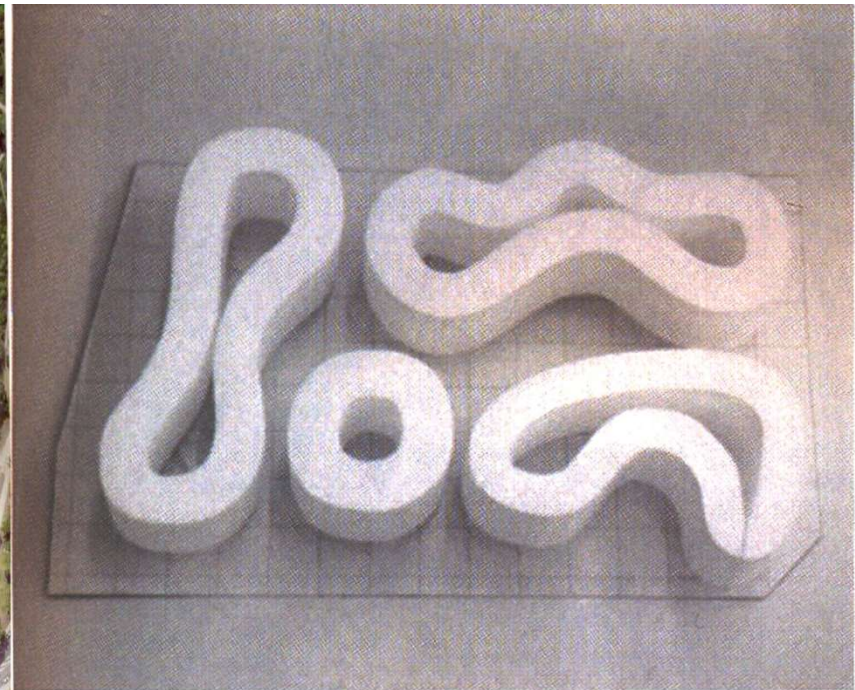




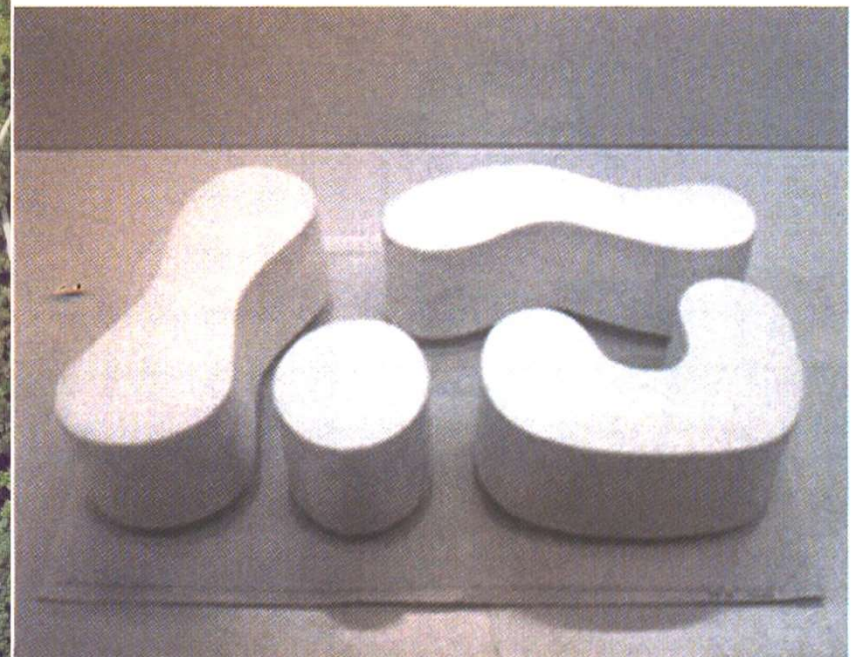
*Dwelling unit B living/dining room. The garden curves into the room. / B 住戸リビングダイニング。庭が曲がり込んで来はつリビング*



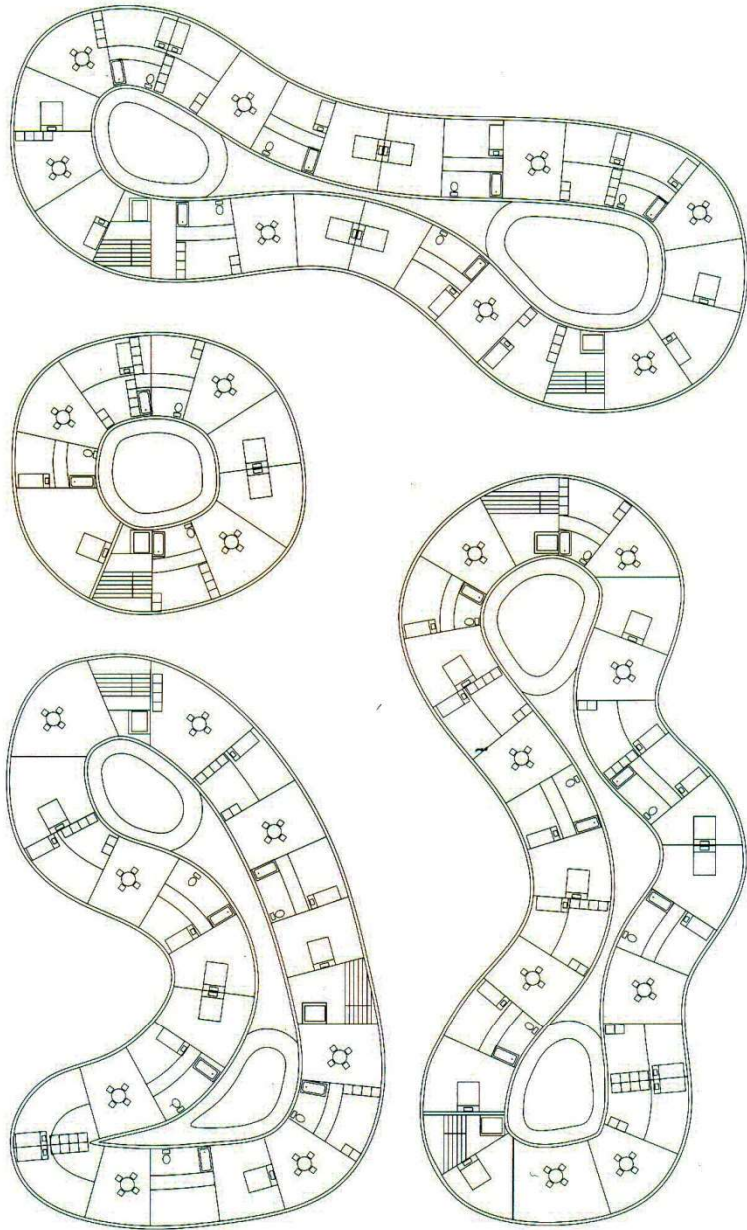




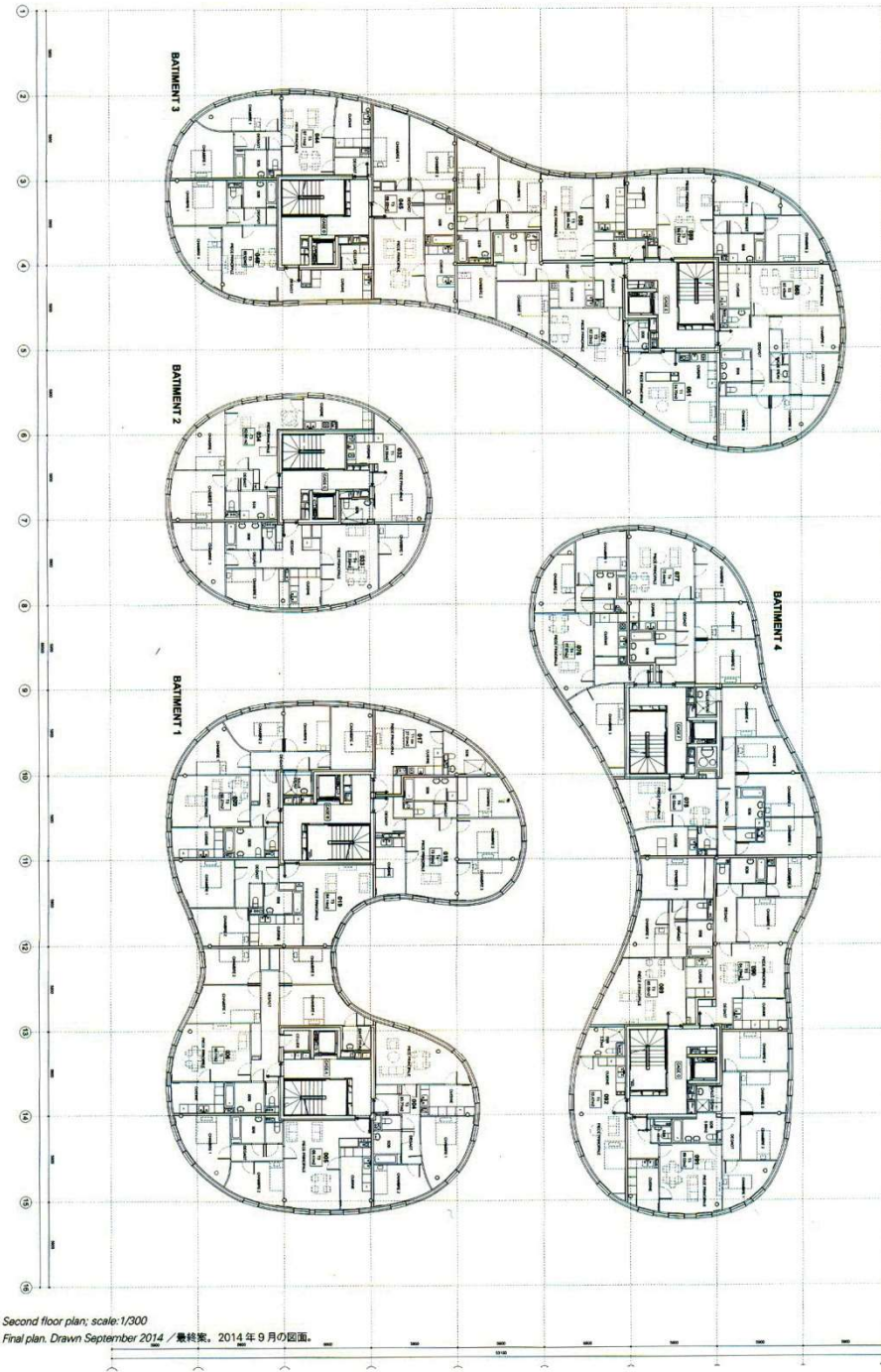
Proposal of a ring-shape. / リング案。



Model close to the final. / 最終に近い案。

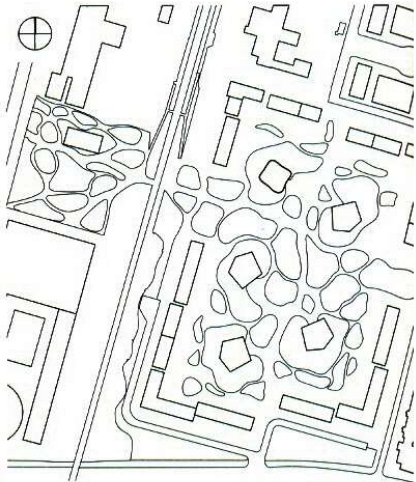


Second floor plan; scale: 1/300  
 Proposal of a ring-shape. Study draft around June 2007. / リング案。2007年6月頃のスタディ案。



Second floor plan; scale: 1/300  
 Final plan. Drawn September 2014 / 最終案。2014年9月の図面。

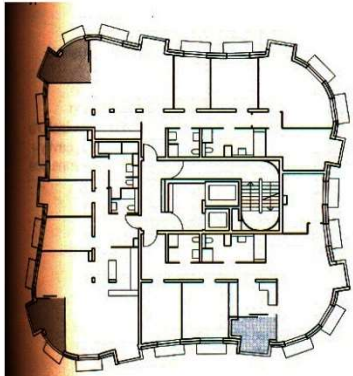
## Twisted, not stacked - Individual. Highrise Life



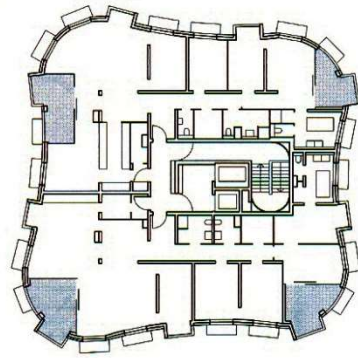
Apartments total: 68  
Floor area: 6015.5 m<sup>2</sup>  
Below grade parking spaces: 73  
Below grade bicycle bays: 108  
Construction costs: 16 Mio Euro

Floors with two apartments:  
15th floor: 5 rooms 184.63 m<sup>2</sup>/197.59 m<sup>2</sup>  
Floors with three apartments:  
14th floor: 44 rooms  
117.55 m<sup>2</sup>/123.82 m<sup>2</sup>, 5 rooms 151.97 m<sup>2</sup>  
Floors with four apartments:  
ground floor, 1st floor, 11th–13th floor:  
2 rooms 62.06 m<sup>2</sup>, 3 rooms  
84.18 m<sup>2</sup>–99.54 m<sup>2</sup>, 4 rooms  
100.32 m<sup>2</sup>–116.28 m<sup>2</sup>  
Floors with five apartments:  
2nd–8th floor  
2 rooms 54.43 m<sup>2</sup>/64.88 m<sup>2</sup>, 3–3½ rooms  
79.41 m<sup>2</sup>–92.42 m<sup>2</sup>  
Date of completion: 2013

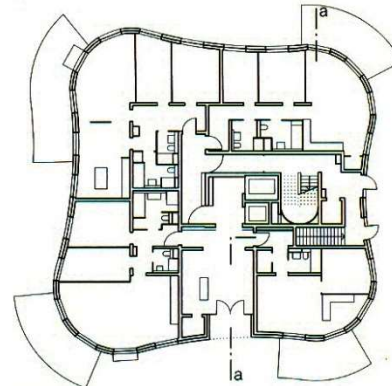




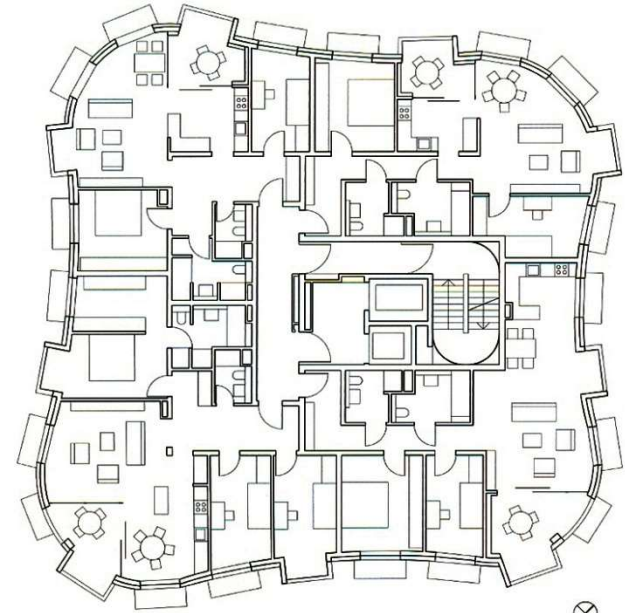
14th floor



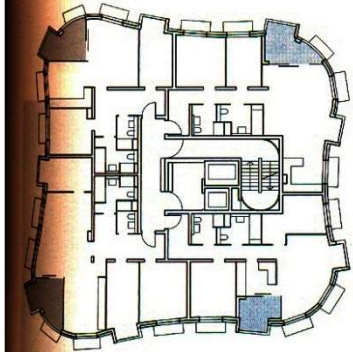
15th floor



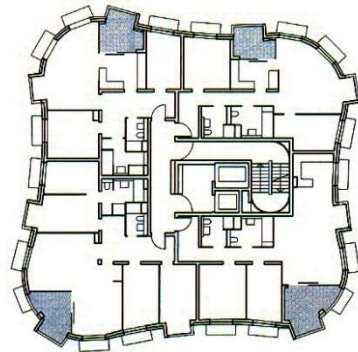
Ground floor



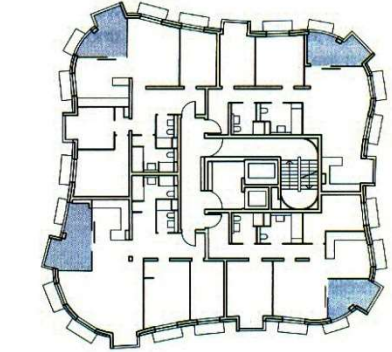
9th, 12th floor plan



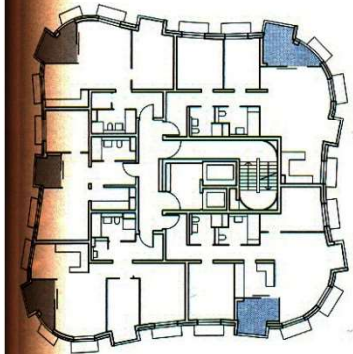
11th floor



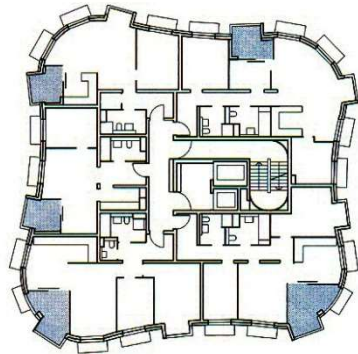
9th, 12th floor



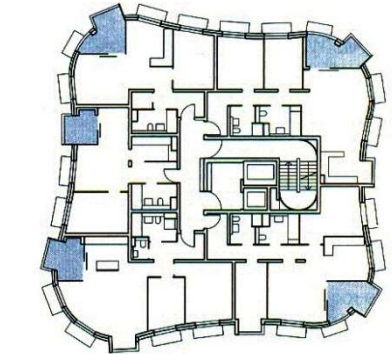
10th, 13th floor



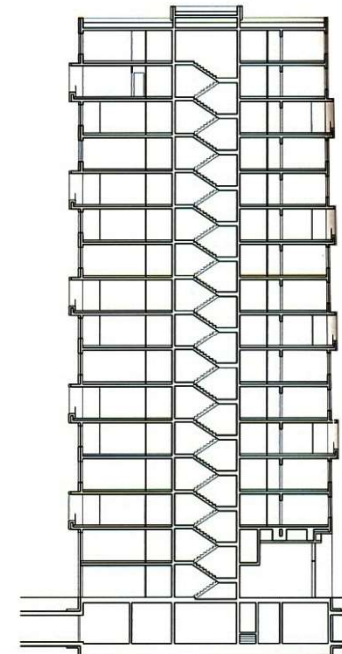
2nd, 5th, 8th floor



3rd, 6th floor



4th, 7th floor



**RESIDENTIAL TOWER IN MONTPELLIER**



half-covered balcony



covered balcony

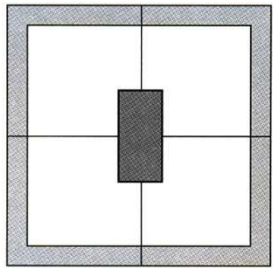


uncovered balcony

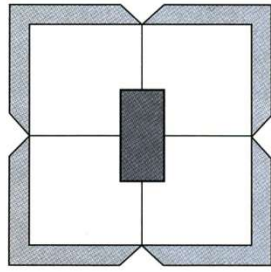


curved balconies

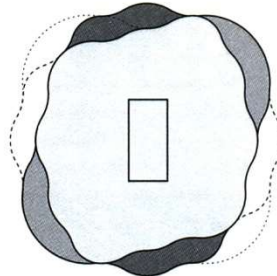




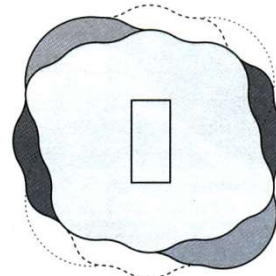
A



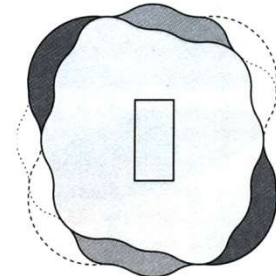
B



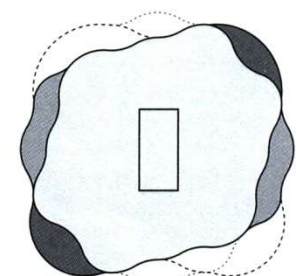
floor 1 and 5



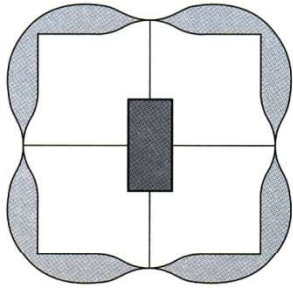
floor 3 and 7



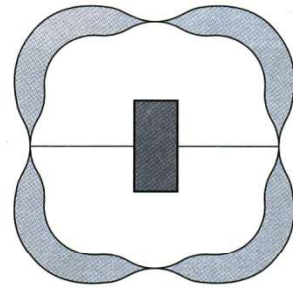
floor 2 and 6



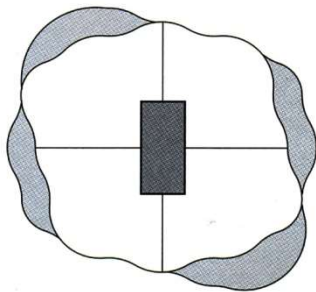
floor 4 and 8



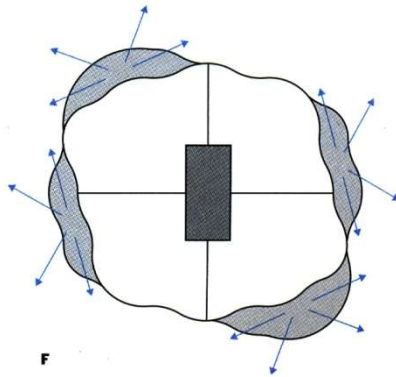
C



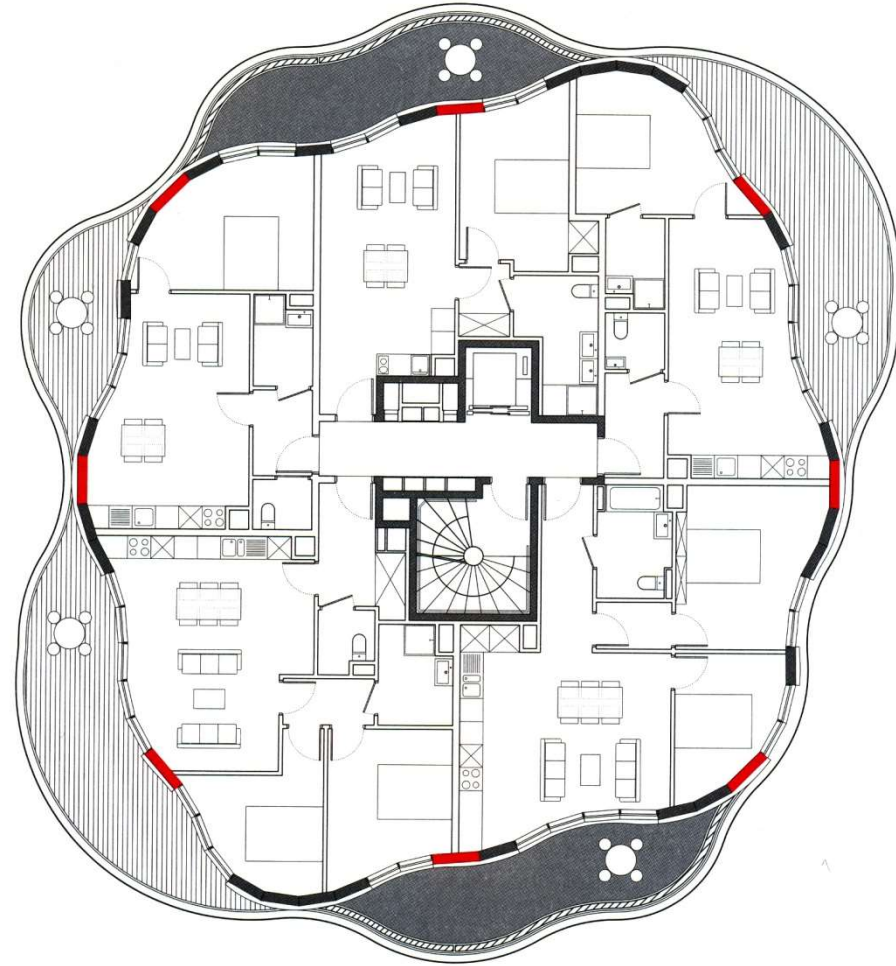
D



E



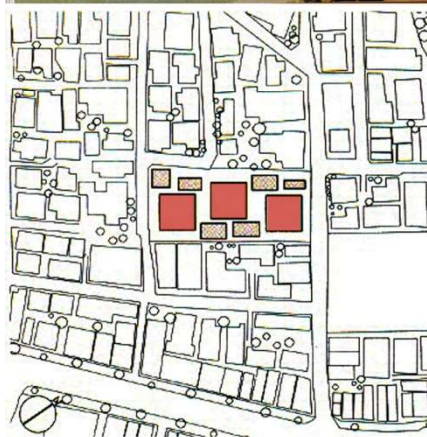
F



rotated floor plan

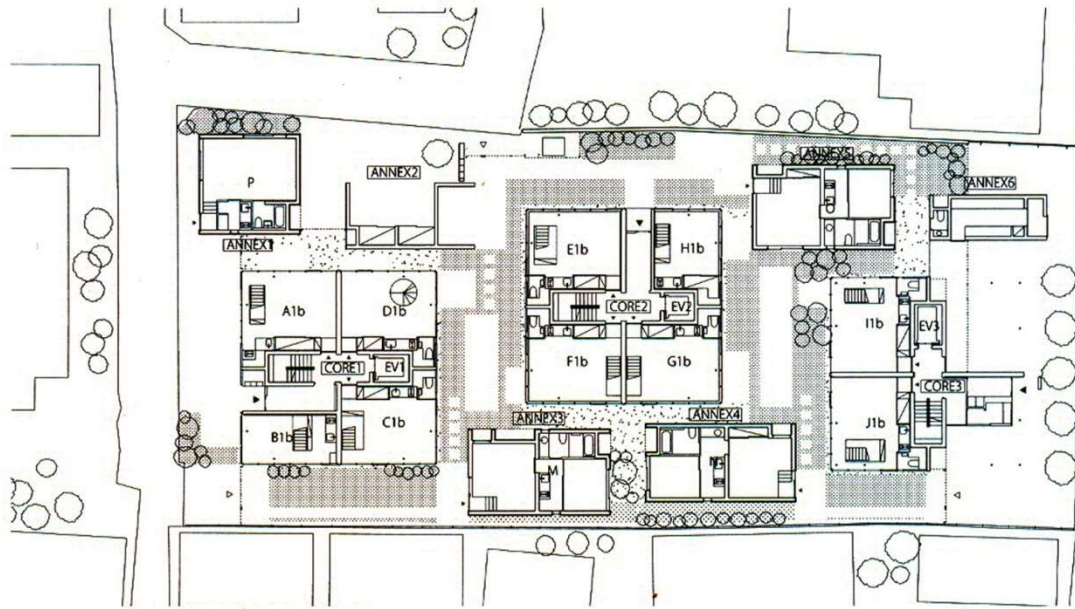
**RESIDENTIAL TOWER IN MONTPELLIER**

**STYLE AND SUBSTANCE / Architectural Review, №1408, june 2014, p. 100-111**

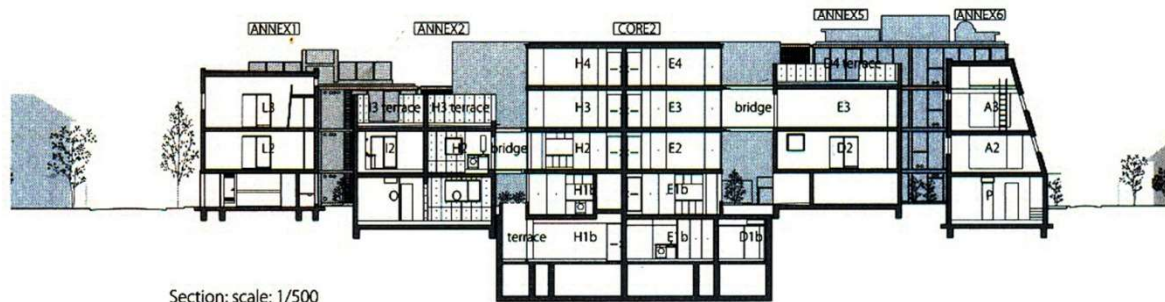


**Yutenji Apartments**  
 This 46-unit condominium is located in a residential neighborhood on the outskirts of central Tokyo. Architects divided the condo's program into three open-feeling "core" buildings and six closed-feeling "annex" buildings rather than lumping it into a single, massive volume. Doing so, they reconciled the condo's scale with that of the small, detached houses nearby. Each condo unit has rooms situated in a "core" building and "annex" building and has a balcony in between. The architects' research on Tokyo's urban structure informed their decisions regarding the condo's spatial arrangement and the relationships between its units.

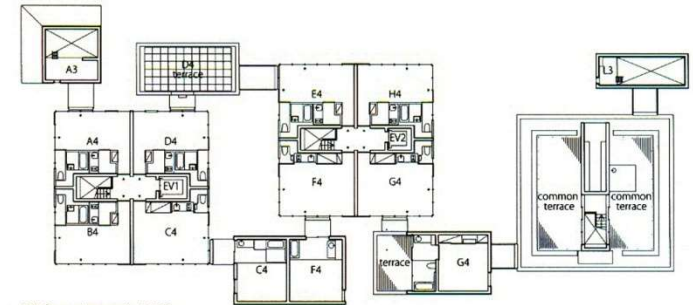
Location: Meguro-ku, Tokyo  
 Structural engineers: Structural Design Office PLUS ONE  
 General contractors: Satohde Corporation  
 Principal use: collective housing  
 Site area: 1,306.28 m<sup>2</sup>  
 Building area: 648.96 m<sup>2</sup>  
 Total floor area: 2,751.40 m<sup>2</sup>  
 Structure: reinforced concrete  
 Number of stories: -1, +4  
 Design period: November 2006 - December 2007  
 Construction period: December 2007 - July 2010



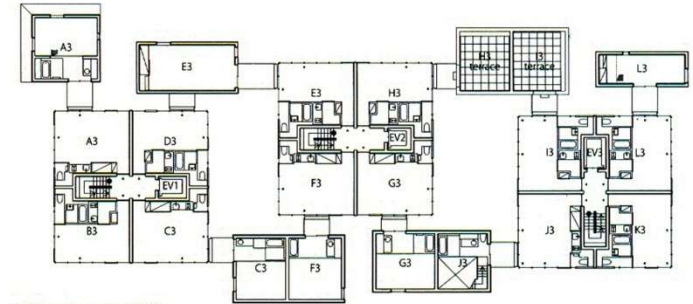
1st floor plan; scale: 1/500



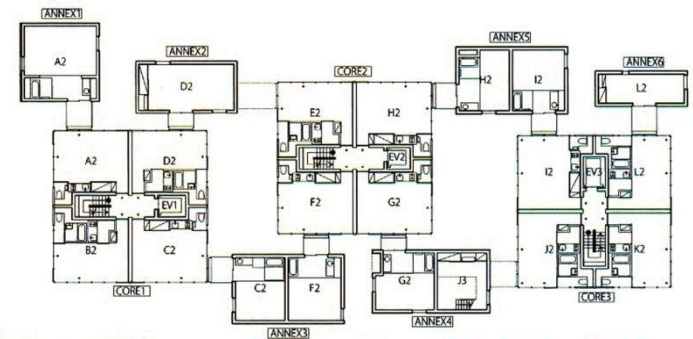
Section; scale: 1/500



4th floor plan; scale: 1/500



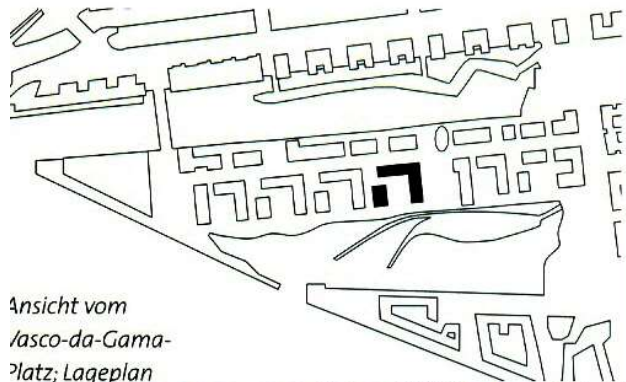
3rd floor plan; scale: 1/500



2nd floor plan; scale: 1/500



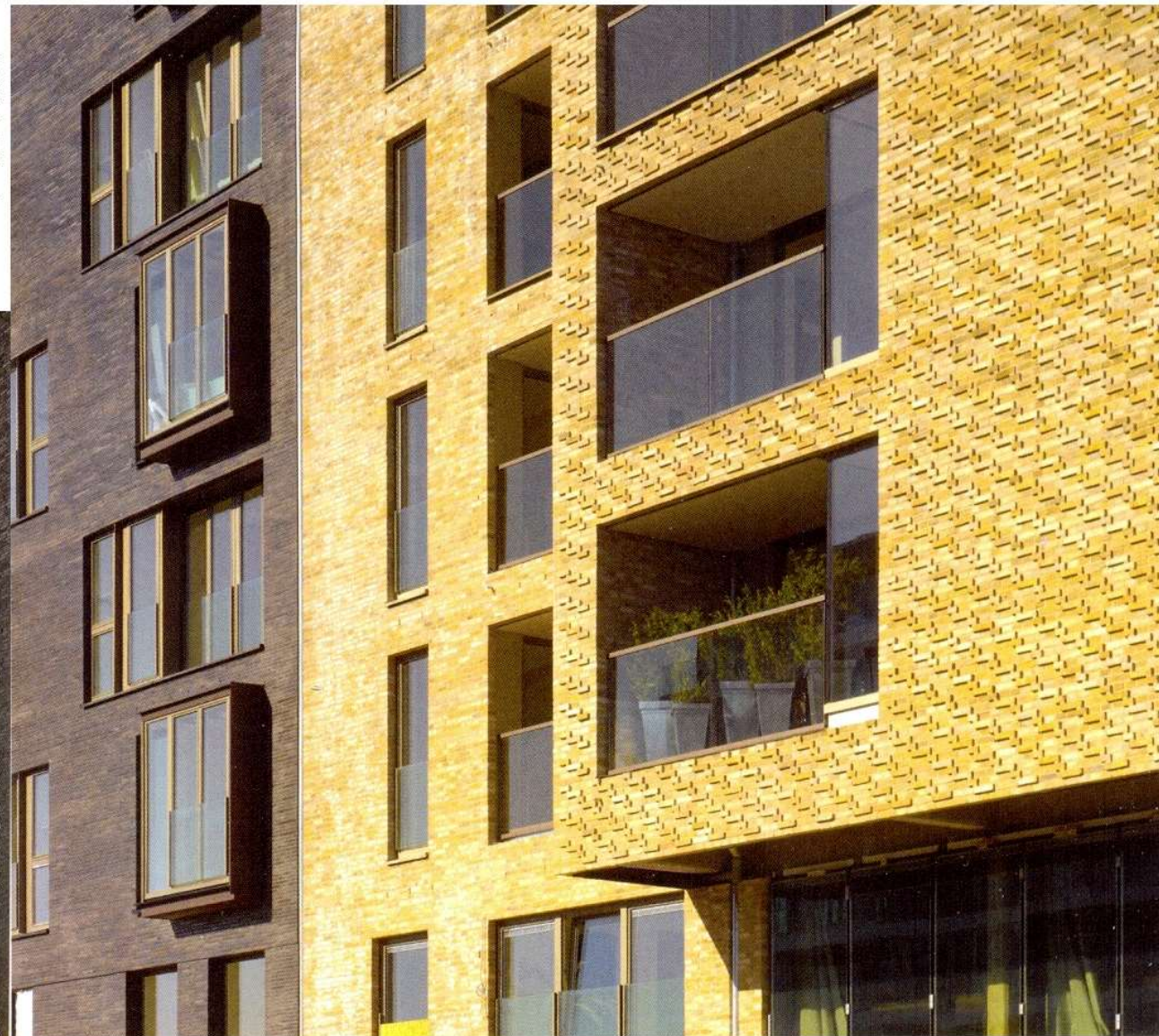
**Stadt, Haus, Fluss,  
Hamburg, 2004-2007, architekt : Lorenzen APS**



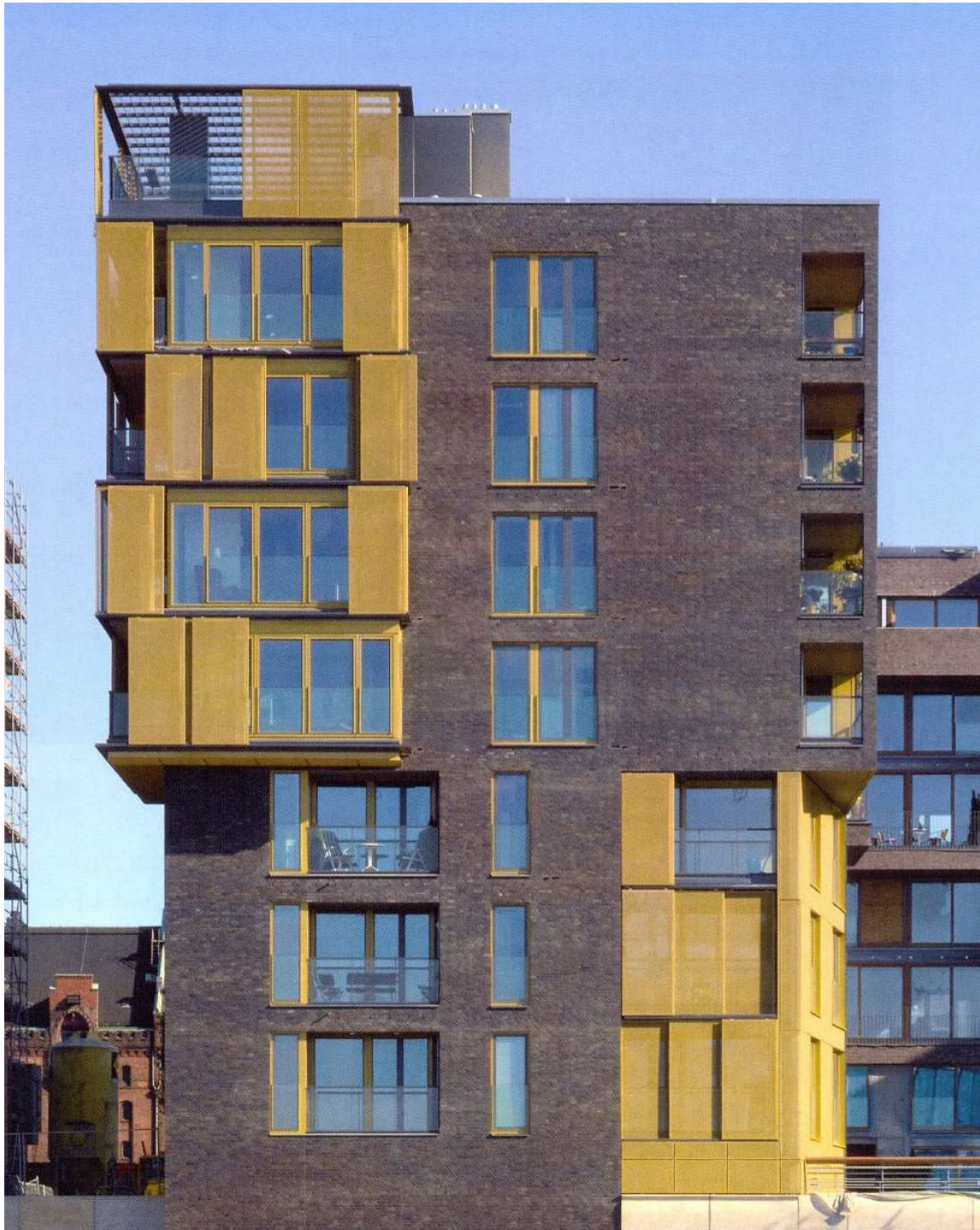
Ansicht vom  
/asco-da-Gama-  
platz; Lageplan



© aqua architektur fotografie, Stuttgart

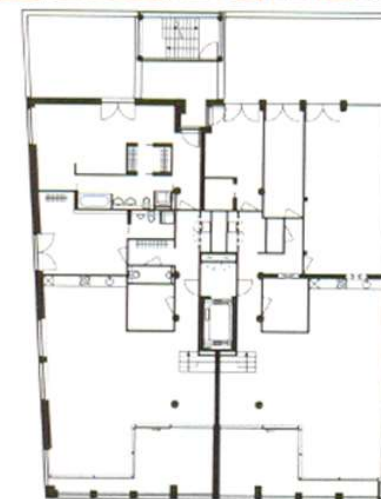
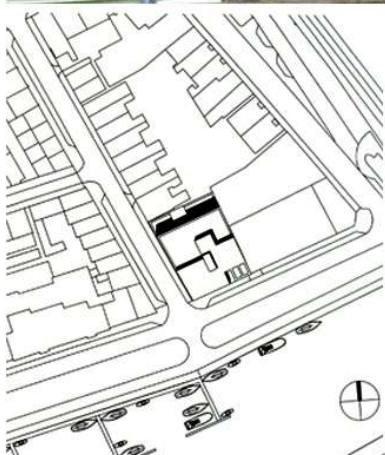


**VOR tell das backstein-magazin, №1, 2013, p. 16-19**



**VOR tell das backstein-magazin,  
№1, 2013, p. 16-19**

**Heimat am Hafen, Groningen Oosterkade,  
2001-2006, architekt : De Zwarte Hond**

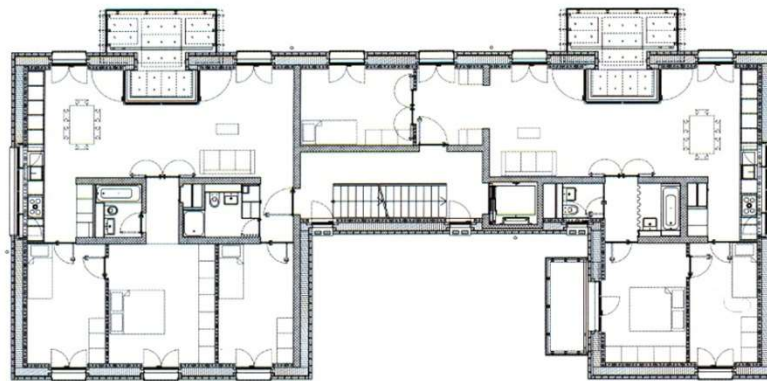


Grundriss

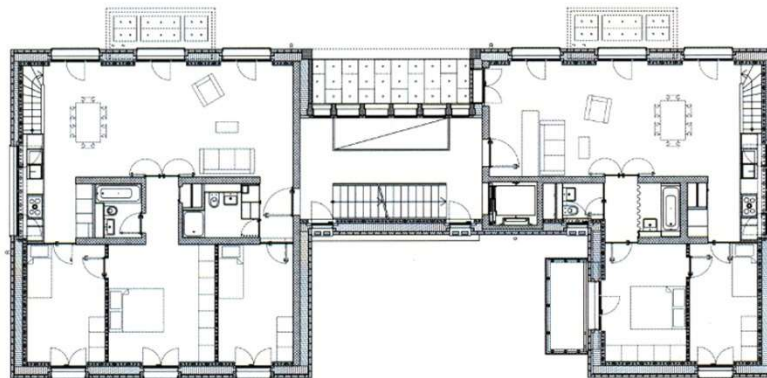
**VOR tell das backstein-magazin,  
№1. 2013. n. 38-39**

**Mehrfamilienhaus, Zurich, 20012-20015, architekt : Kafestein & Meister, Zurich**

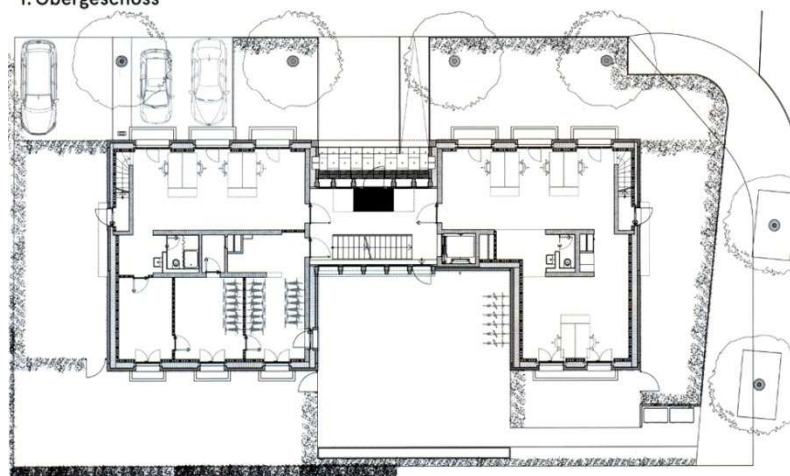




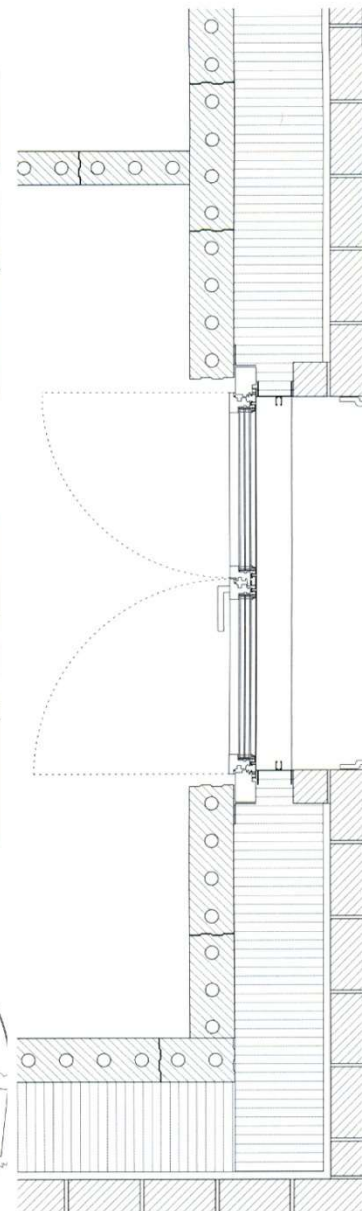
2. Obergeschoss



1. Obergeschoss



Erdgeschoss

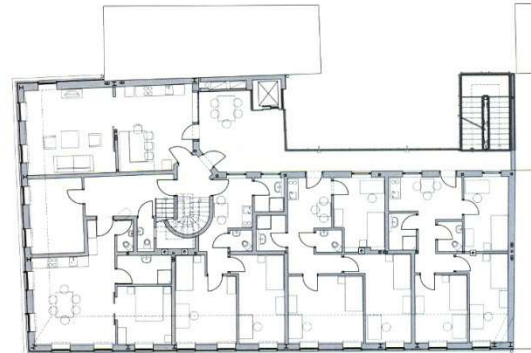


Horizontalschnitt

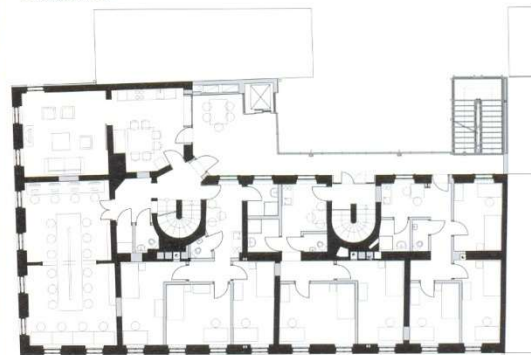
**Fassade**

- innen: KS Quadro 500 × 500 × 150 mm
- 300 mm Steinwolle
- aussen: Kelesto-Klinker, Keller Ziegeleien, 240 × 115 × 71 mm, Farben Jura, ziegelrot

Zurück in einen Alltag, Wien, 2010-2013, architektur : gaupenraub+/- Alexander Hagner, Ulrike Schartner;  
Projectarchitektin: Michaela Ebersdorfer; Mitarbeit: Laura Hannappel, Amine Khouni



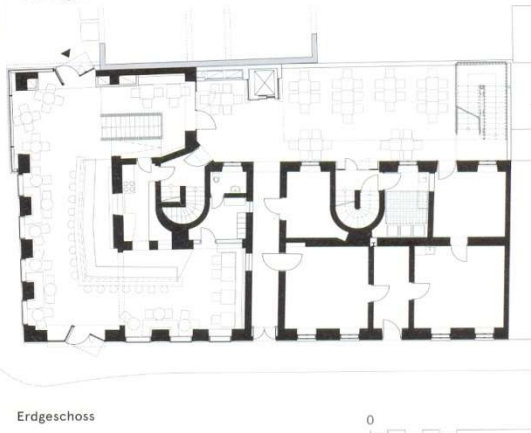
Dachgeschoss



2. Obergeschoss



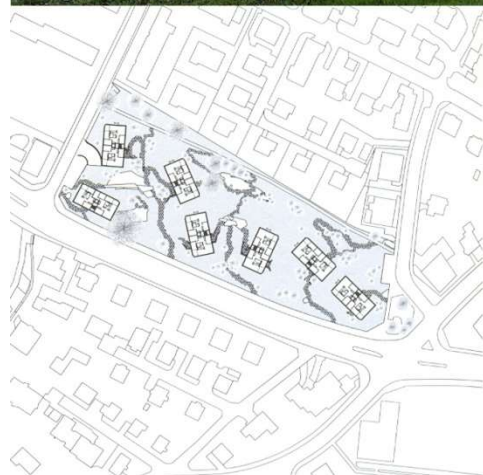
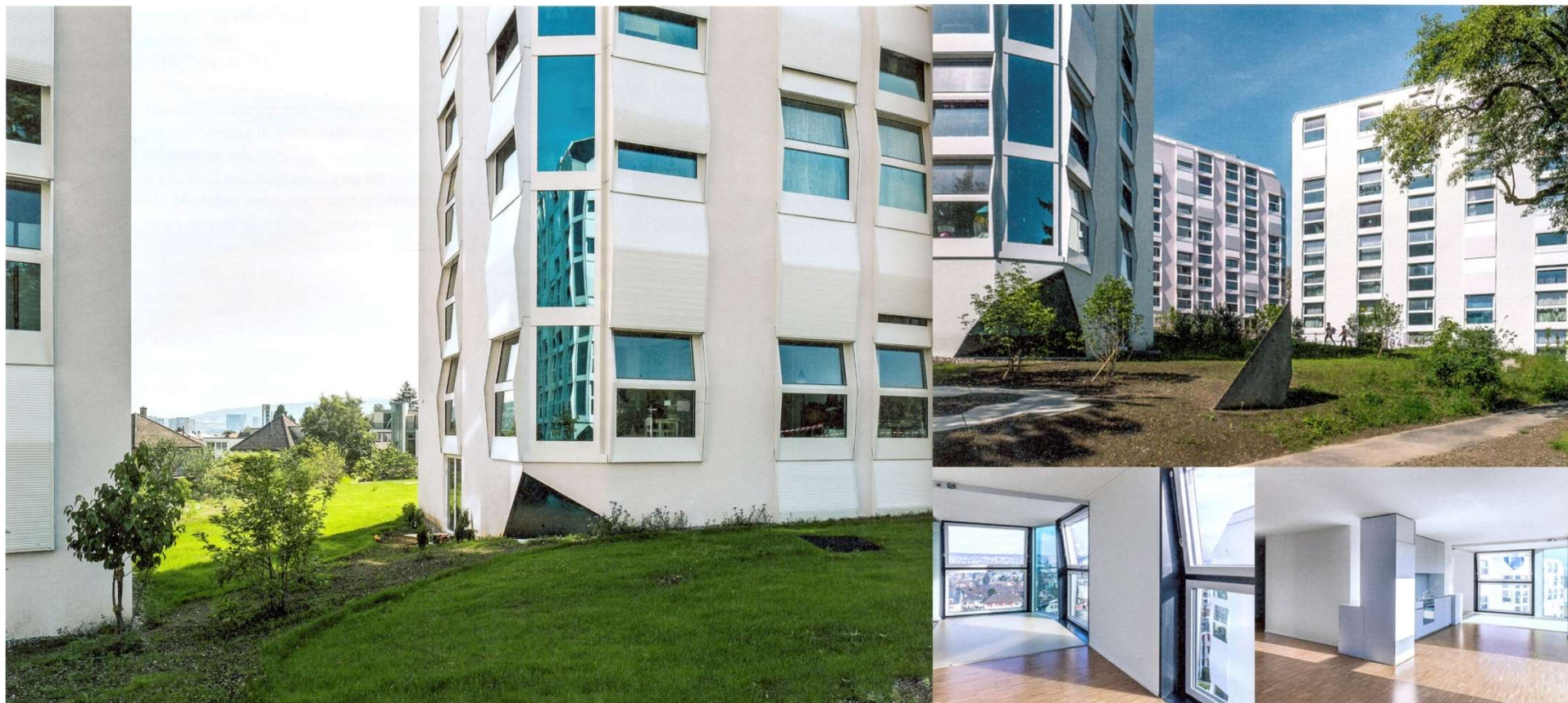
Schnitt



Erdgeschoss

Werk, №5, 2015, p. 40-45

**Die städtische Wohnziedlung Rautstrasse, Zurich, architektur : Daniel Kurz, Tibor Joanelly, Ronald Tannler**



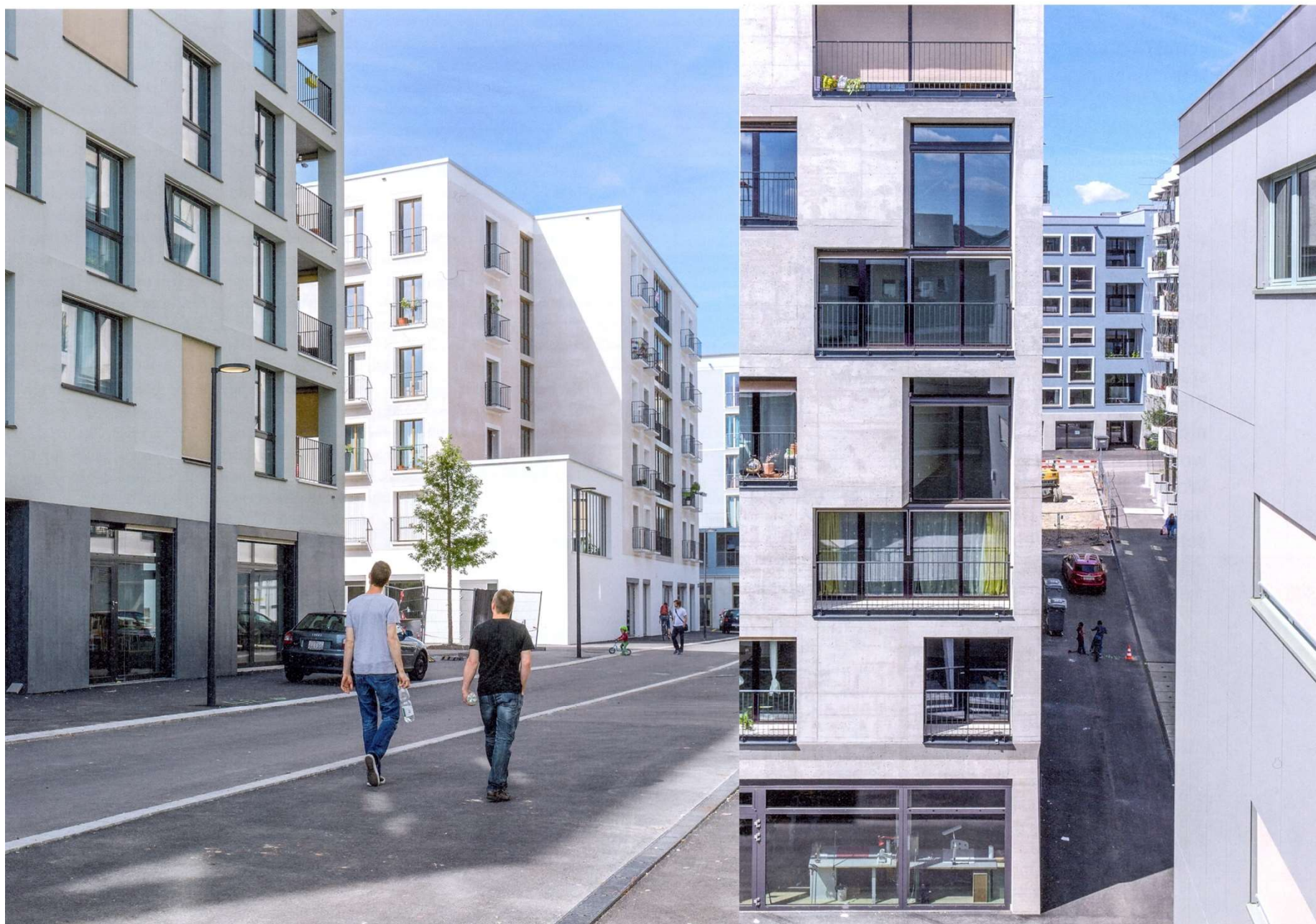
Regelgeschoss



Zugangsgeschoss

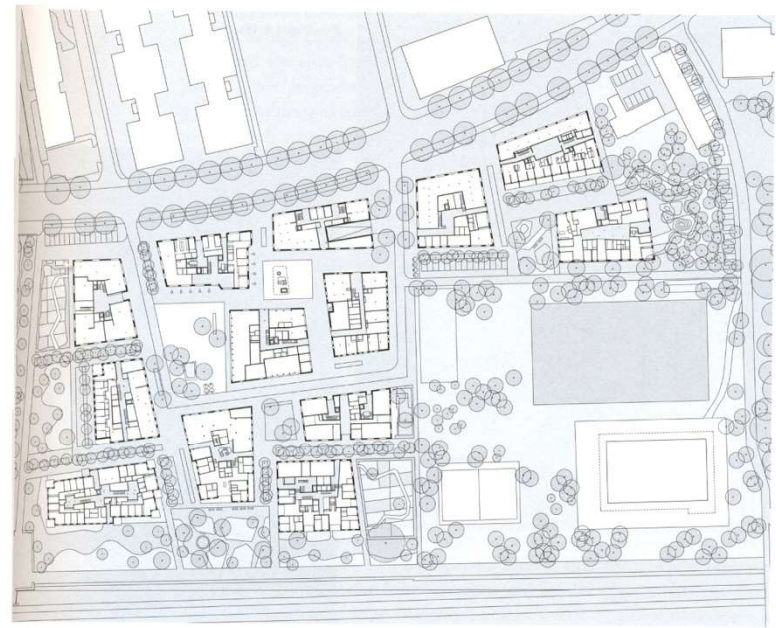
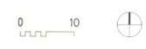
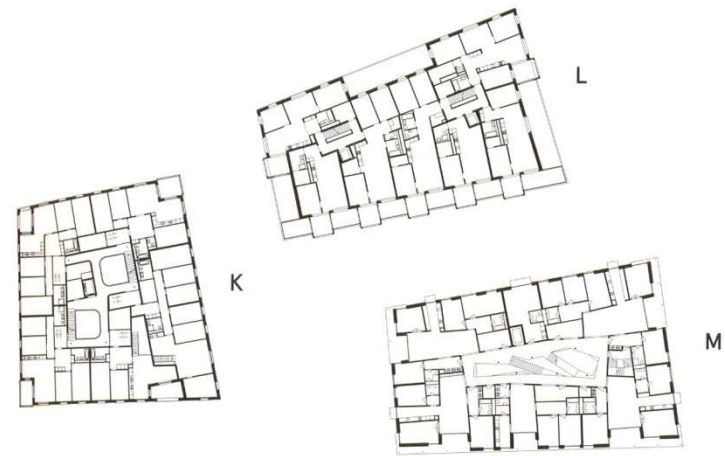
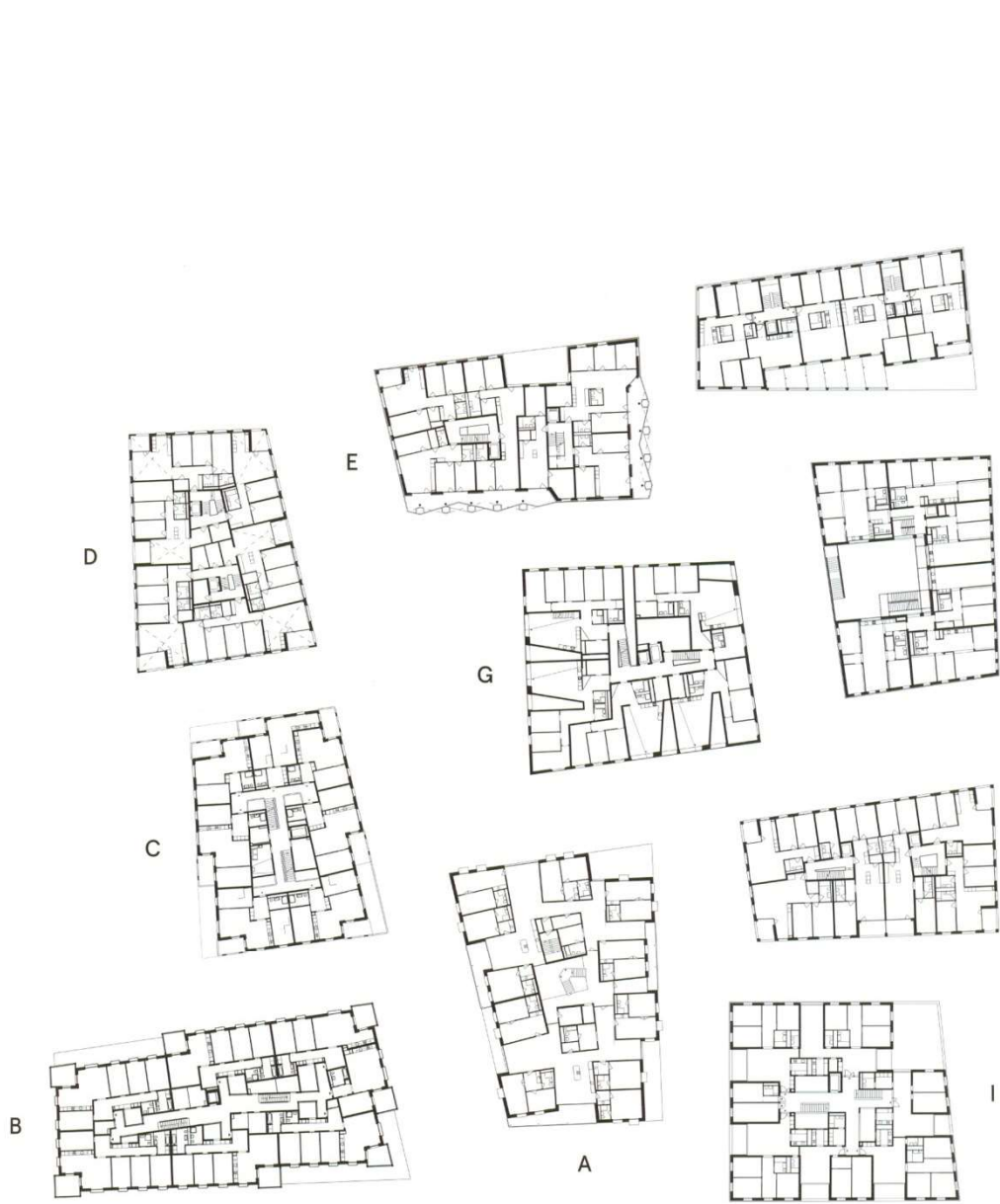
0 10

**Disparates im Dialog, Zurich, 2009-2015, architekt : ARGE Duplex Architekten und Futurafrosch**

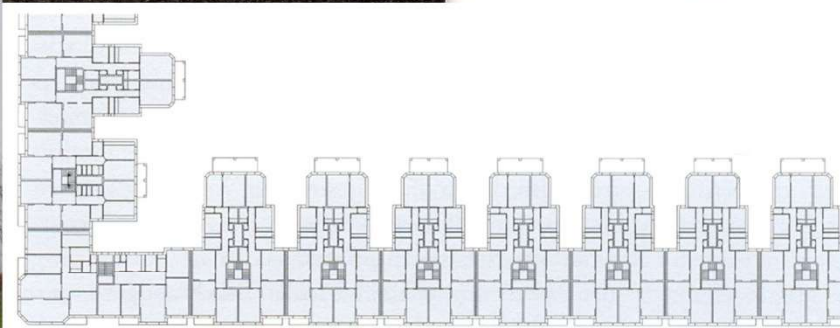
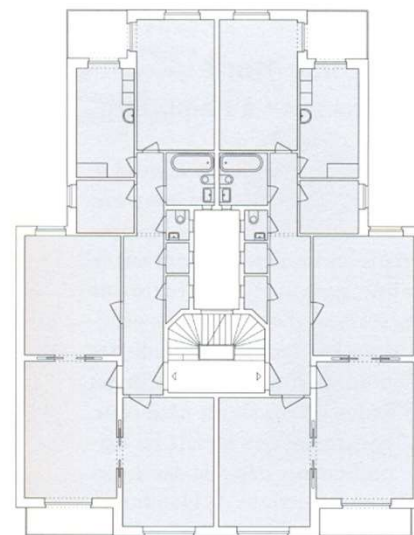
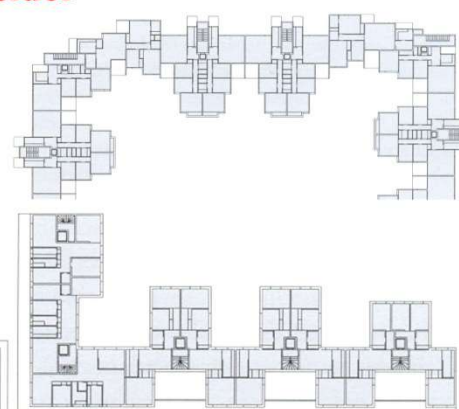
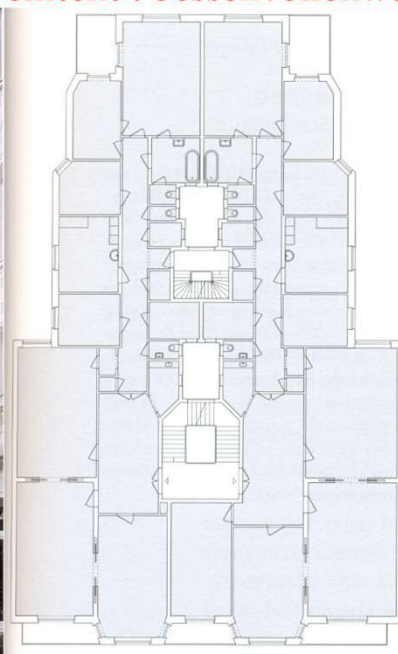




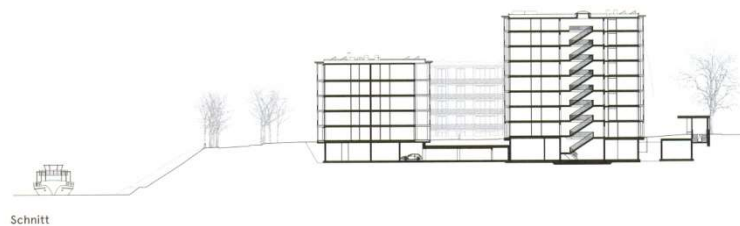
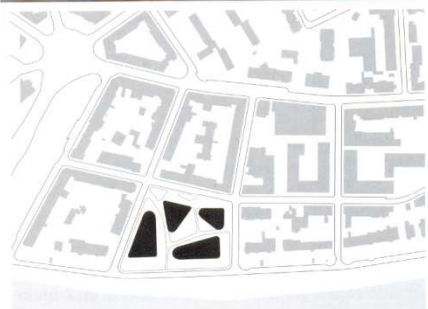




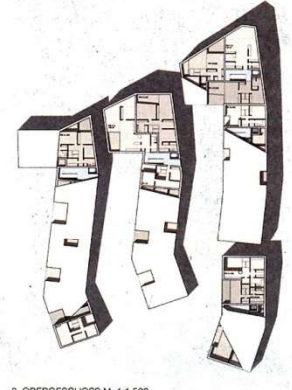
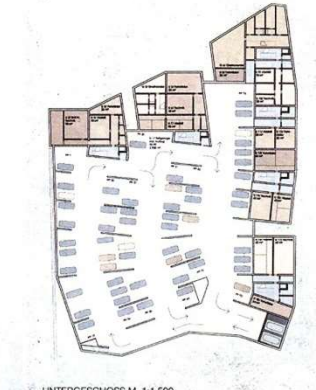
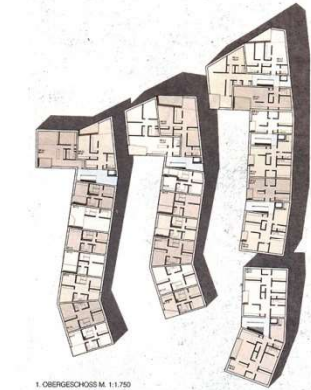
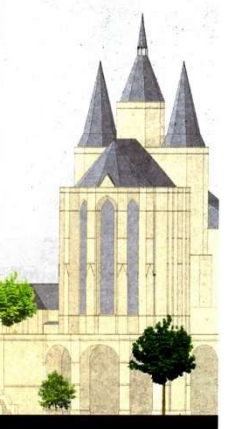
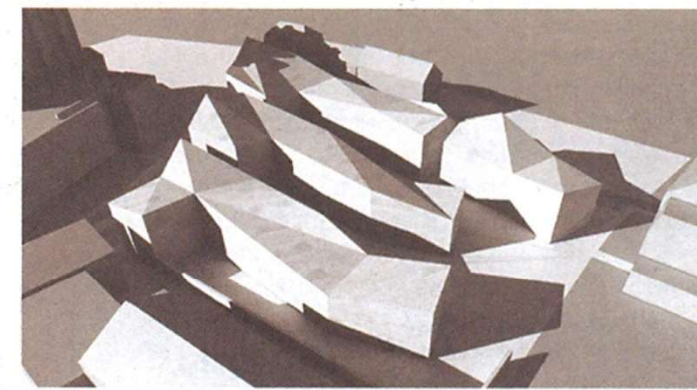
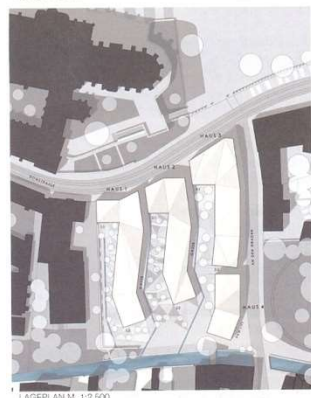
**Esch Sintzel, Wohnüberbauung Brunnmatt-ost, Bern, 2013, architekt : Jessenvollenweider**



**Wohnen am Schaffhauser Rheinweg, Basel, architekt : Jessenvollenweider**



**Residential Construction. Конкурсные проекты**  
 1. Preis / 1st prize. Worschech Architekten Planungsgesellschaft mbH, Erlurt - Stock Landschaftsarchitekten, Jena  
 Апх. биопо: Worschech Architekten Planungsgesellschaft mbH, Stock Landschaftsarchitekten, Jena



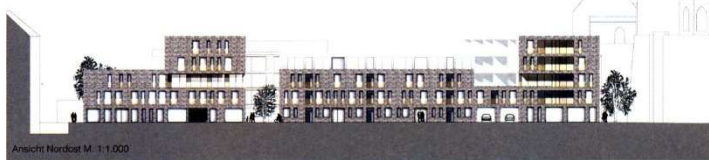
**Residential Construction. Конкурсные проекты**  
**Арх. бюро: Osterwold°Schmidt EXP|ANDER Architekten, Weimar. Rainer Schmidt Landschaftsarchitekten GmbH, Berlin**



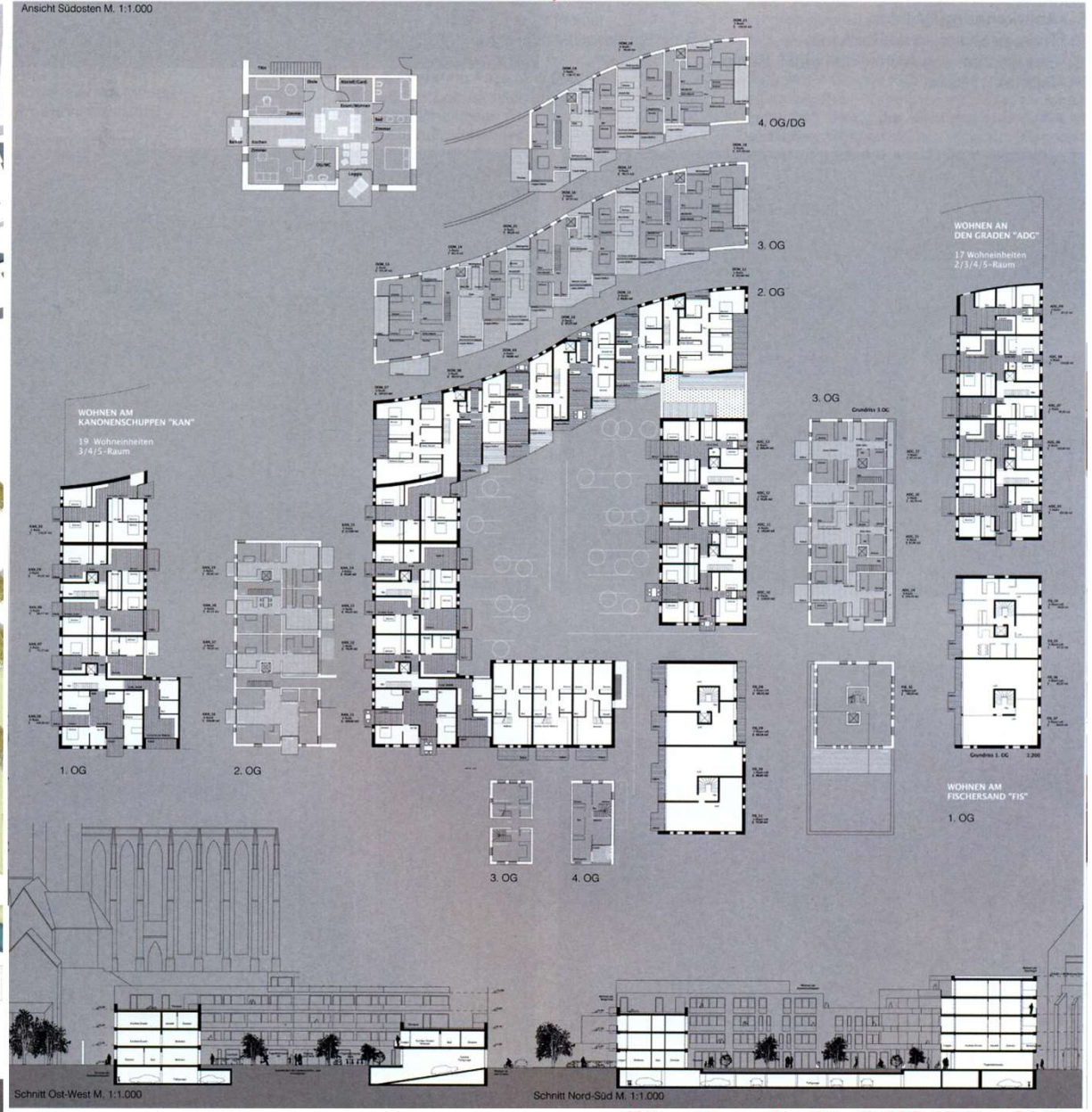
Layoutplan M. 1:2.500



Grundriss Erdgeschoss mit Freianlagen M. 1:1.000



Ansicht Nordost M. 1:1.000





**Residential Construction Rote Wand Killesberg, Stuttgart.**

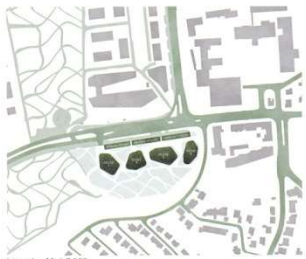
Конкурсные проекты  
Арх. бюро: GmbH, Köln/Leipzig



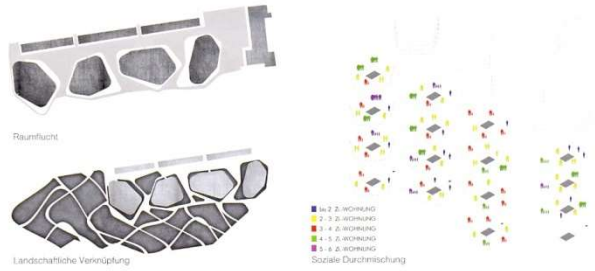
Perspektive Nord-Öst



Perspektive Süd-West



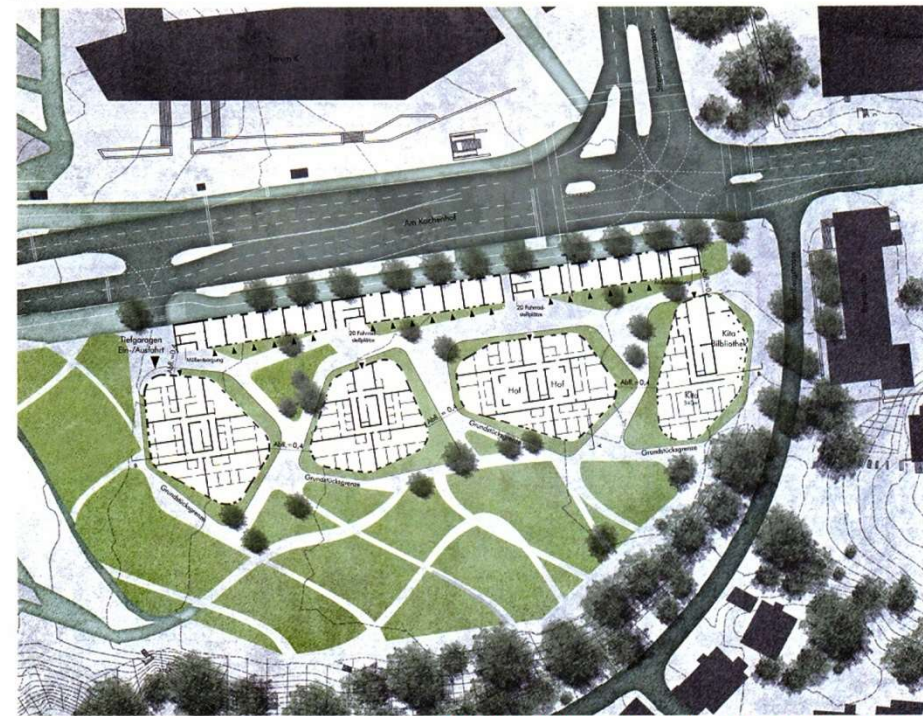
Lageplan M. 1:7.000



Raumflucht

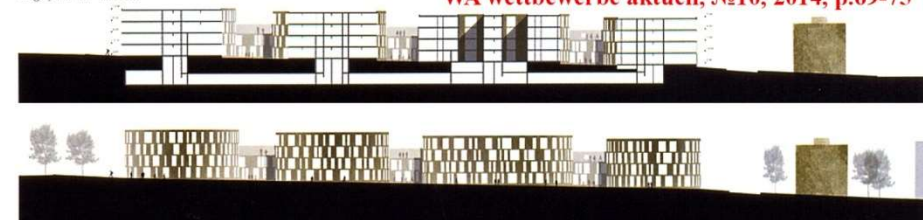
Landschaftliche Verknüpfung

- 1x 2-Z. WOHNEUNG
- 2x 2-Z. WOHNEUNG
- 3x 2-Z. WOHNEUNG
- 4x 2-Z. WOHNEUNG
- 5x 2-Z. WOHNEUNG
- Soziale Durchdringung



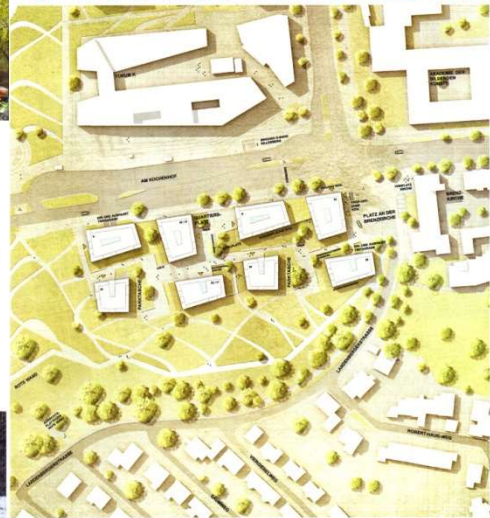
Lageplan M. 1:2.000

**WA wettbewerbe aktuell, №10, 2014, p.69-75**



**Residential Construction Rote Wand Killesberg, Stuttgart.**

Конкурсные проекты  
Арх. бюро: ARQ Architekten Rintz & Quack, Berlin - G. Königsstein



Lageplan M. 1:3.000



Perspektive zum Park



Perspektive am Platz an der Brenzkirche



Ebene 01 M. 1:2.000 8 WE SMW, 3 WE PWE, 13 WE Baugruppe, 11 Plätze Studentenwohnen



Ebene 02 und 03 M. 1:2.000 je Geschoss: 10 WE SMW, 3 WE PWE, 14 WE Baugruppe, 11 Plätze Studentenwohne



Schnitt A-A M. 1:2.000



Ansicht Süd M. 1:2.000



Schnitt A-A M. 1:2.000

**WA wettbewerbe aktuell, №10, 2014, p.69-75**



# Residential Construction Rote Wand Killesberg, Stuttgart.

Конкурсные проекты

Арх. бюро: Steimle Architekten GmbH, Stuttgart.

Jetter Landschaftsarchitekten, Stuttgart



Perspektive Vorplatz Brenzkirche



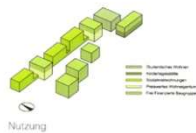
Wohnen am Platz



Konzeptplan M. 1:6.000



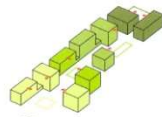
Grundriss RG M. 1:2.000



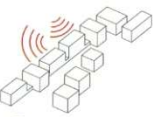
Nutzung



Parzellierung



Abschnittsbildung



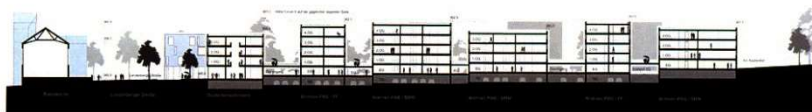
Lärmschutz



Grundriss EG M. 1:2.000



Querschnitt M. 1:2.000



Querschnitt M. 1:2.000



# Residential Construction Rote Wand Killesberg, Stuttgart.

Конкурсные проекты

Арх. бюро: Thomas Schuler Architekten, Dusseldorf



Strukturplan



Grüner Wohnhof der Baugruppen



Blick aus der grünen Fuge



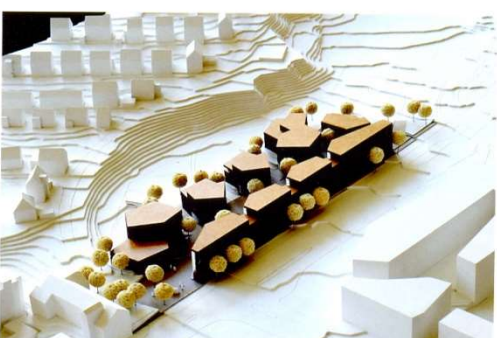
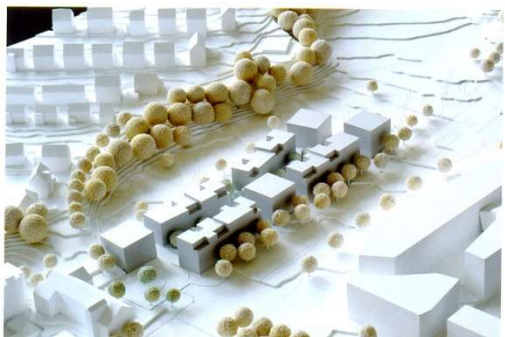
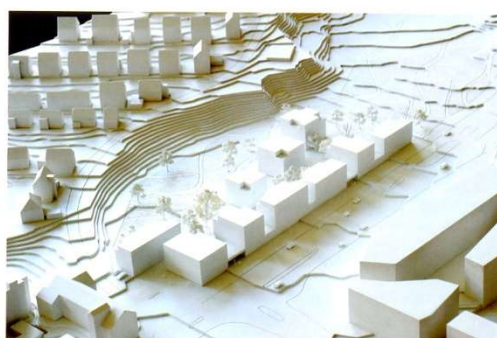
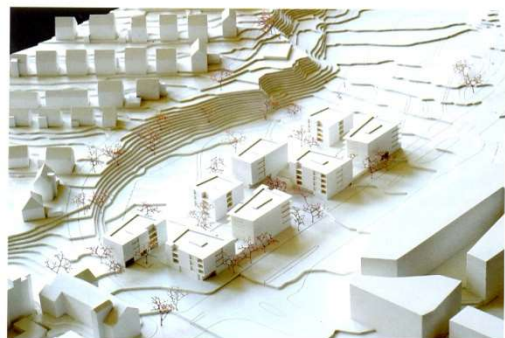
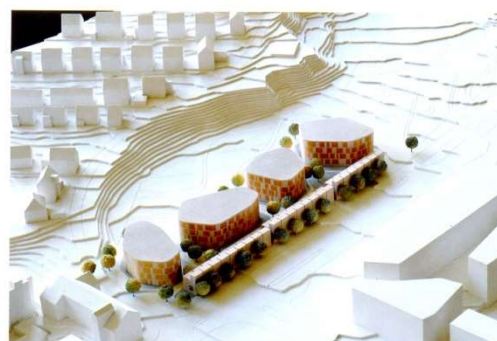
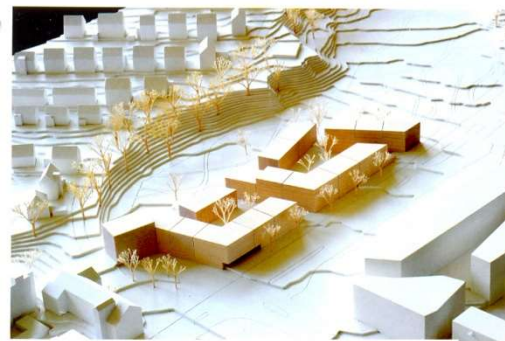
1:1000



Nordansicht Am Kochenhof M. 1:2.000



WA wettbewerbe aktuell, №10, 2014, p.69-75





## Surface System with Felt Substrate on Solid Wall

Musée du Quai Branly, Paris  
 Arch.: Jean Nouvel; Fassade: Patrick Blanc  
 Produktname: »Vertical Garden«  
 www.verticalgardenpatrickblanc.com



- a perforated polyurethane irrigation hose
- b plants fixed in felt pockets
- 2x 3 mm layers of felt polypropylene sheeting
- 10 mm PVC slab
- c supporting structure ventilated cavity

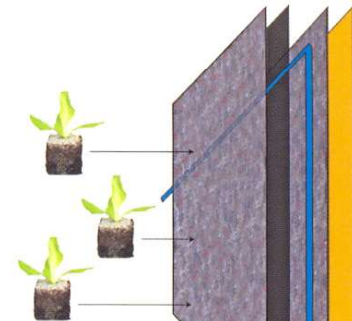
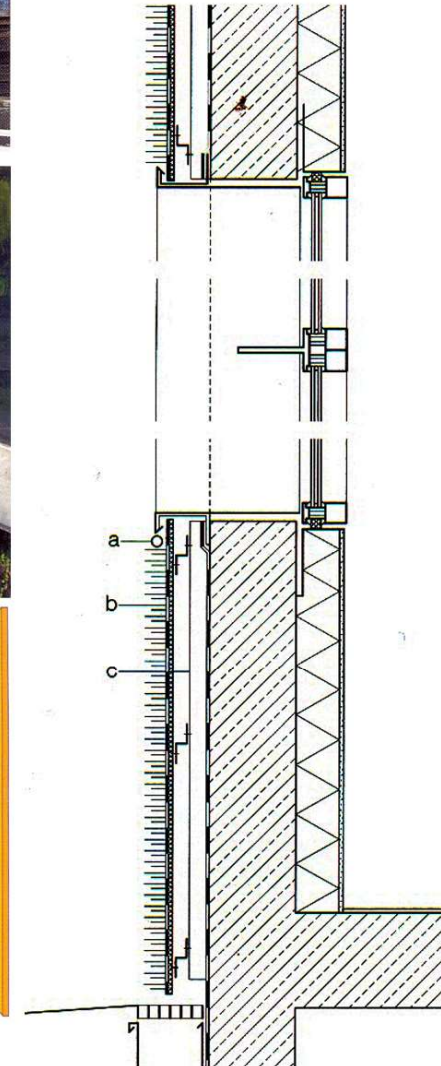


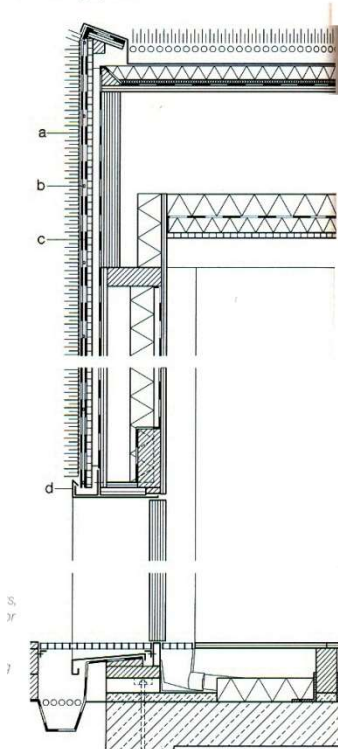
Diagram of wall construction  
 layer of vegetation  
 outer layer of felt  
 with slits for plants  
 plastic sheeting perforated for drainage  
 perforation irrigation hose  
 inner layer of felt (old recycled clothing)  
 waterproof bearing slab, root resistant  
 Musée du Quai Branly, Paris, 2006  
 architect: Jean Nouvel



**Hydroponic System with Felt Substrate on Timber Wall Construction**

Blackbox -Pavillon, TU Delft  
 Architekten, Fassade: Philip Mannaerts,  
 Martijn de Geus  
 martijn@martijndegeus.com

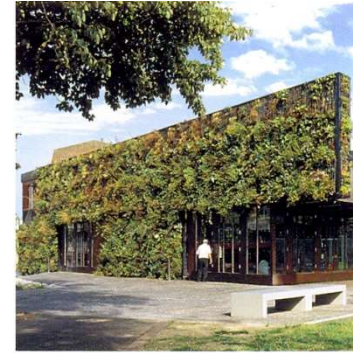
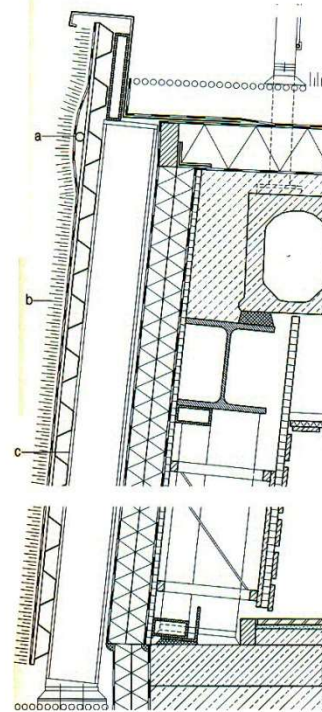
- a plants
- layer of felt with slits as pockets for plants
- perforated sheeting
- b hose for irrigation
- c inner layer of felt root-resistant water proof slab
- ventilated cavity
- d drainage gutter



**Hydroponic System with Felt Substrate on Steel Constructions**

Sportplaza Mercator, Amsterdam  
 Arch.: Venhoeven CS; Fassade: Copijn  
 Produktname: »Wonderwall«  
 www.copijn.nl

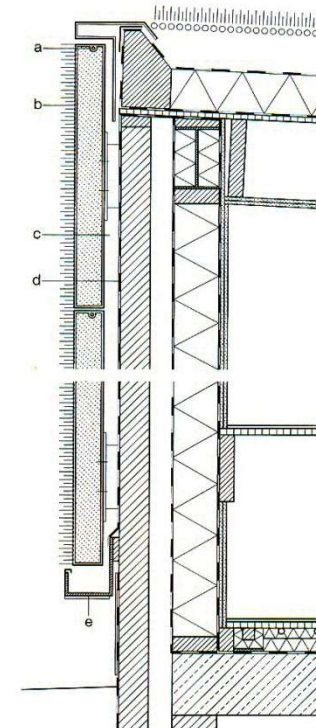
- a hose for irrigation
- b plants
- 10 mm layer of felt with slit as pocket
- 10 mm plastic bearing slab
- metal sheeting
- 50 mm deep
- c 180 mm steel I-section



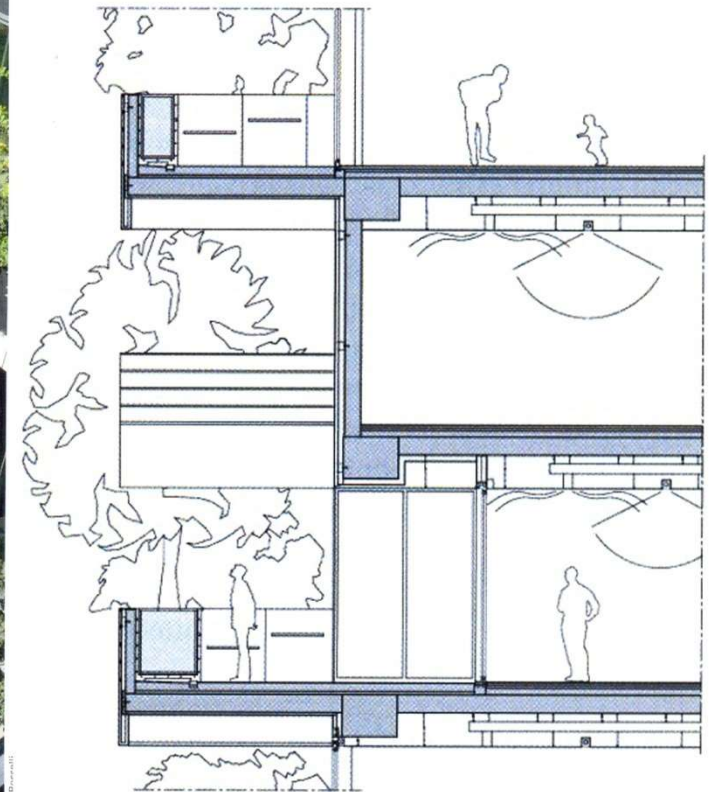
**Hydroponic System with Rock-Wool Substrate on Solid Wall**

Kinderhort Paradise Park, London-Islington  
 Arch.: DSDHA  
 Landschaftsplaner: Clarke Associates  
 www.dsdha.co.uk

- a hose for irrigation
- b planted facade: planting steel grating rock-wool substrate sheet steel
- c 60 mm vent. cavity
- d sealing layer
- e 100 mm wall
- f drainage gutter



## Vertikaler Großstadt-Dschungel. Bosco Verticale, Mailand/I

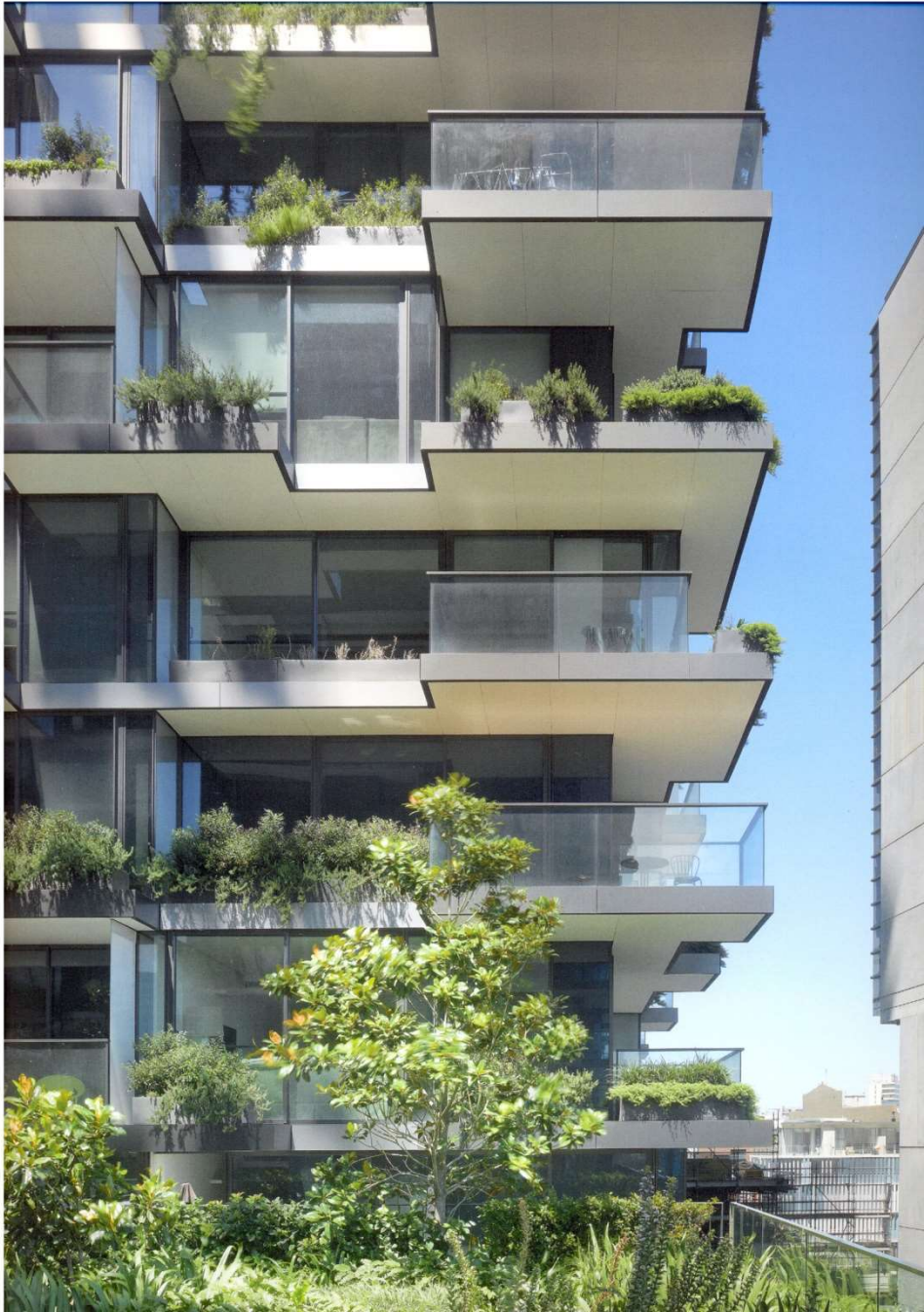
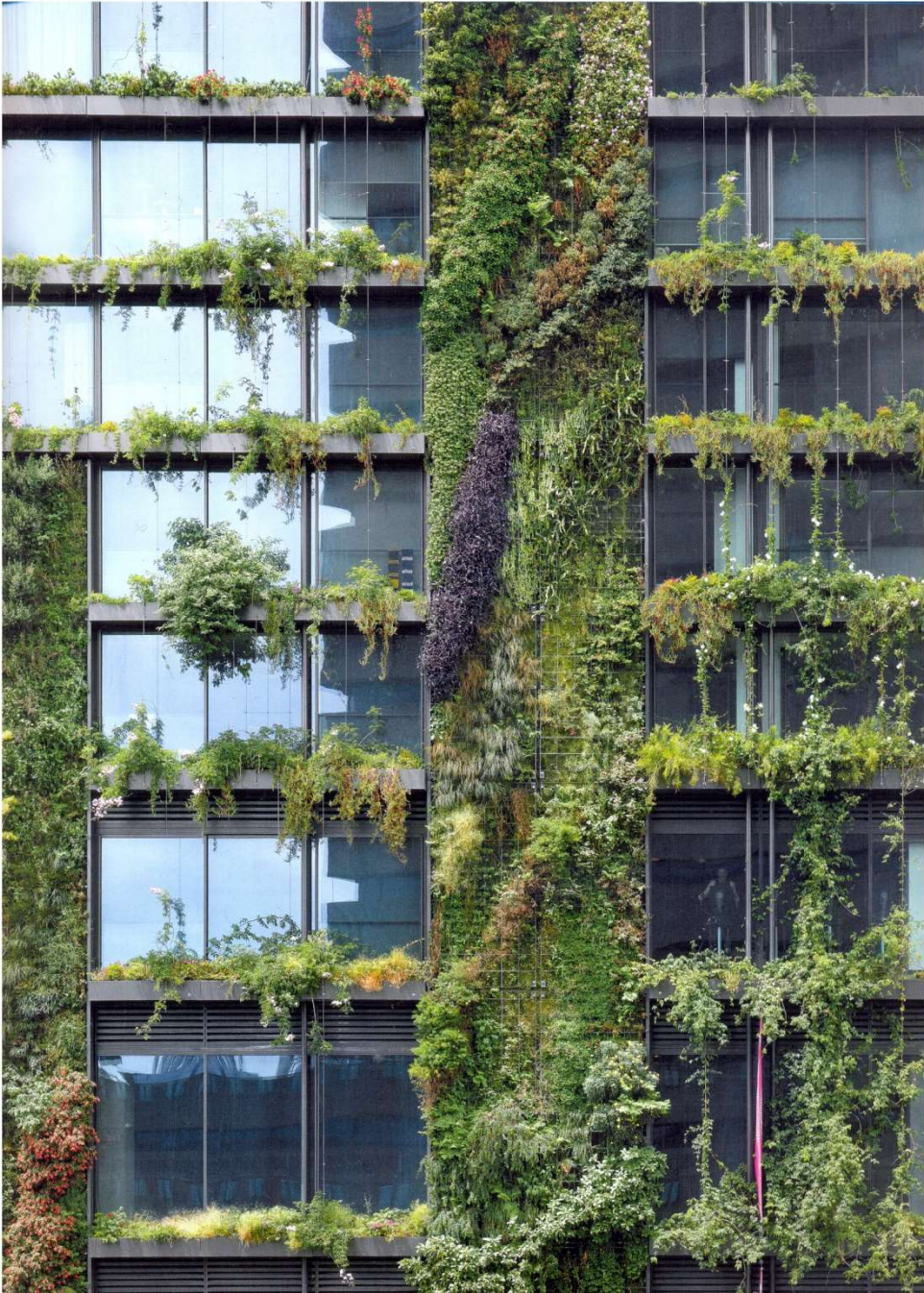


Fassadenschnitt, M 1:150

DBZ, №9, 2015, p.89

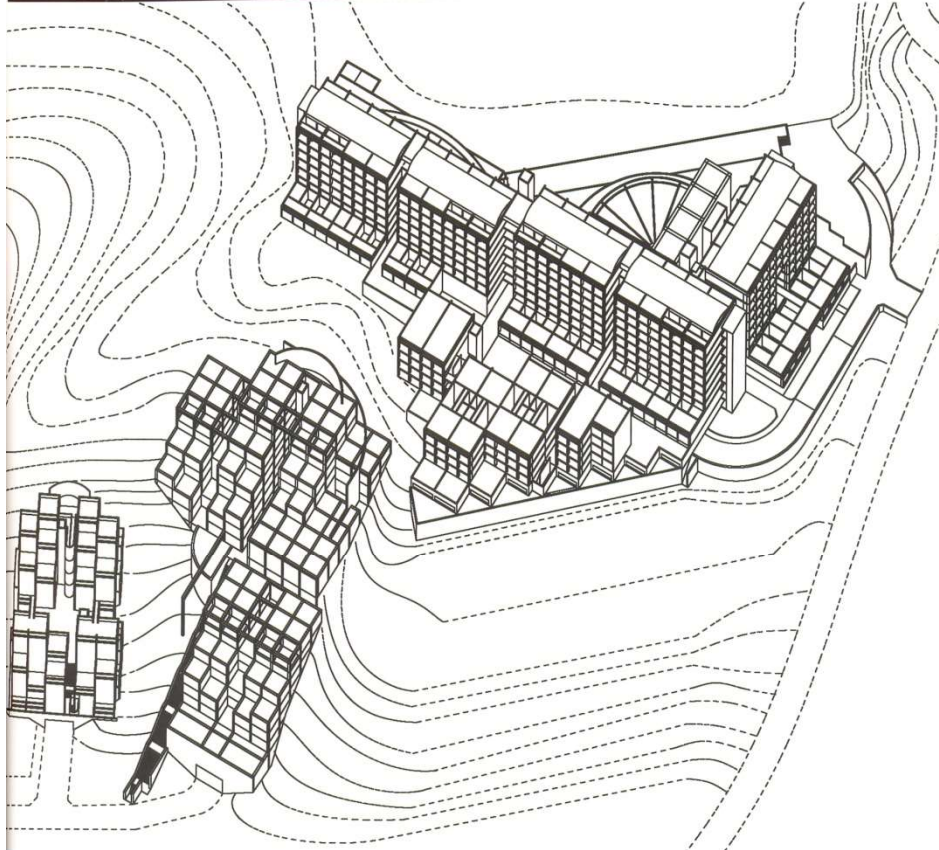
**ONE CENTRAL PARK. Ateliers Jean Nouvel. Sydney, Australia**

AREA. №142, 2015, p.104-110





**Rokko Housing I, 1981-1983,  
Rokko Housing II, 1989-1993,  
Rokko Housing III, 1997-1999, Kobe, Hyogo, Japan  
Architekt : Tadao Ando**



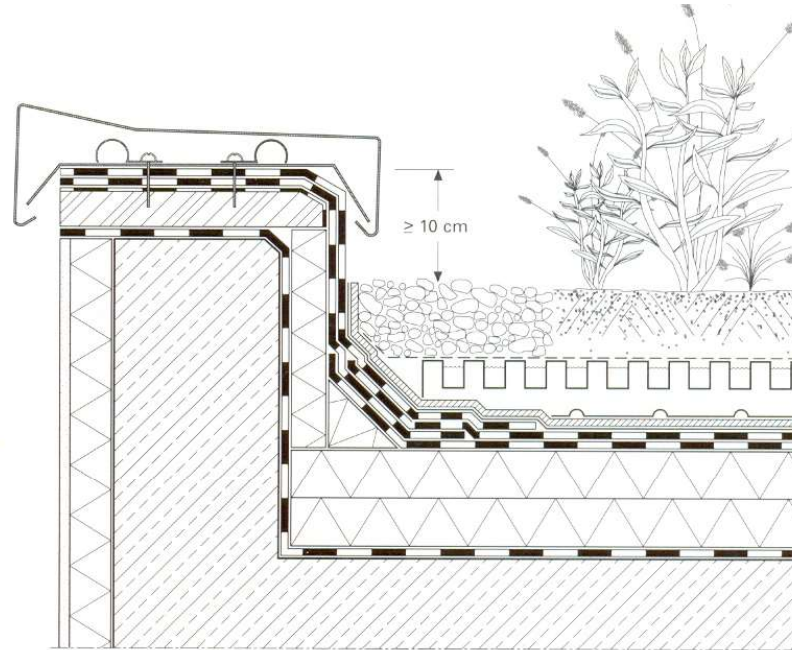
**ROKKO HOUSING**







**Gründachaufbau:**  
 Mehrschichtsysteme mit einer funktionalen  
 Trennung von Vegetationsschicht, Filterschicht  
 und Dränschicht haben sich für extensiv und  
 intensiv begrünte Dächer durchgesetzt



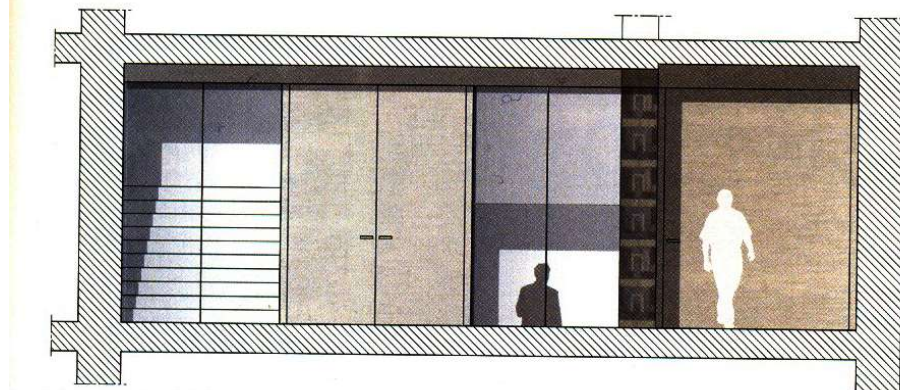
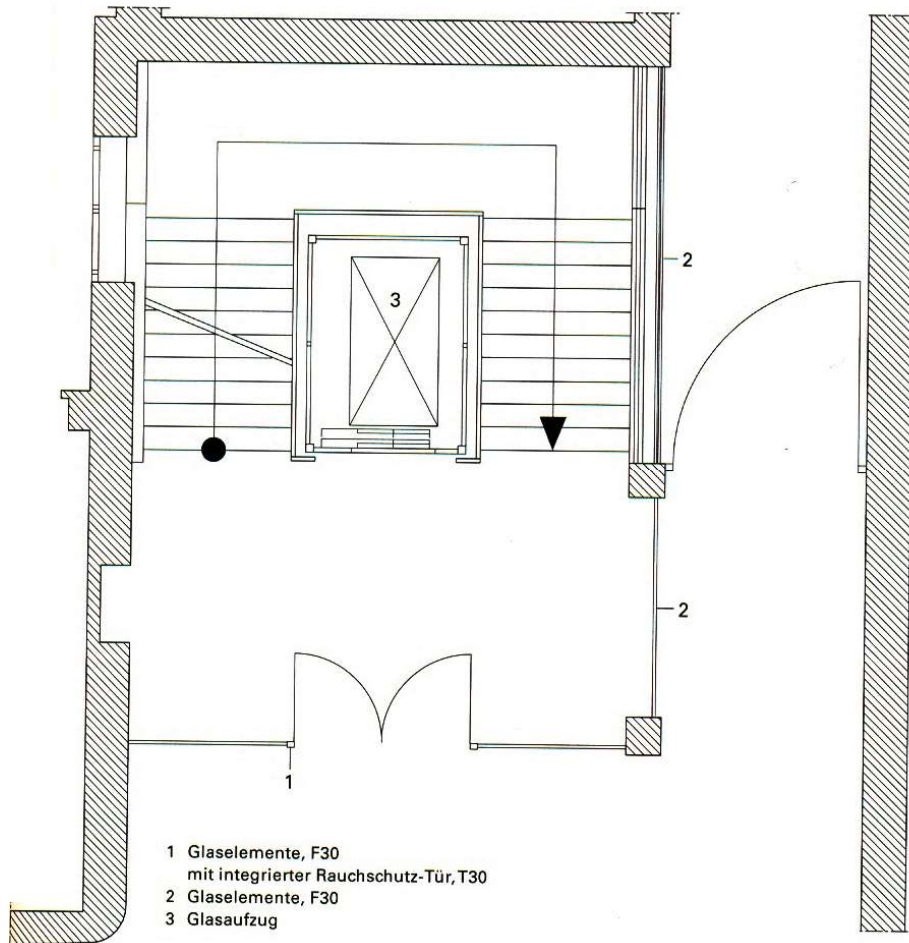
Detail Attika als Dachrandabschluss o.M.



Ab einem Trockengewicht von  $800 \text{ kg/m}^3$  sind Vegetationssubstrate bis 20 m  
 Gebäudehöhe und Windzone 2 nicht besonders erosionsgefährdet

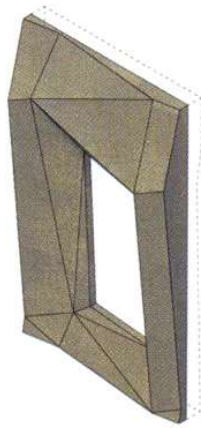


Die Rauigkeit der Oberfläche verringert die Windgeschwindigkeiten und durch  
 die Durchwurzelung wird der Gründachaufbau großflächig festgelegt

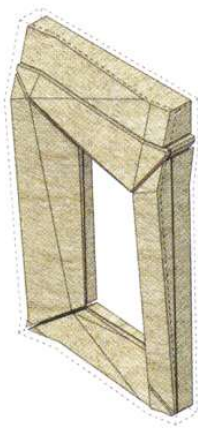




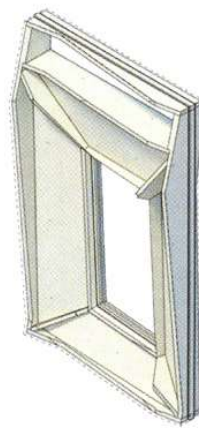
Glasscheibe



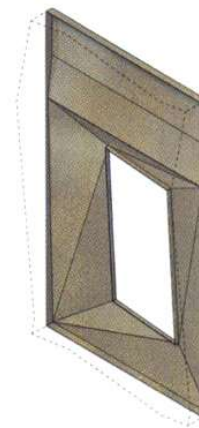
Bioverbundstoff



Holzfaserdämmung  
Außenseite



Holz-Unterkonstruktion

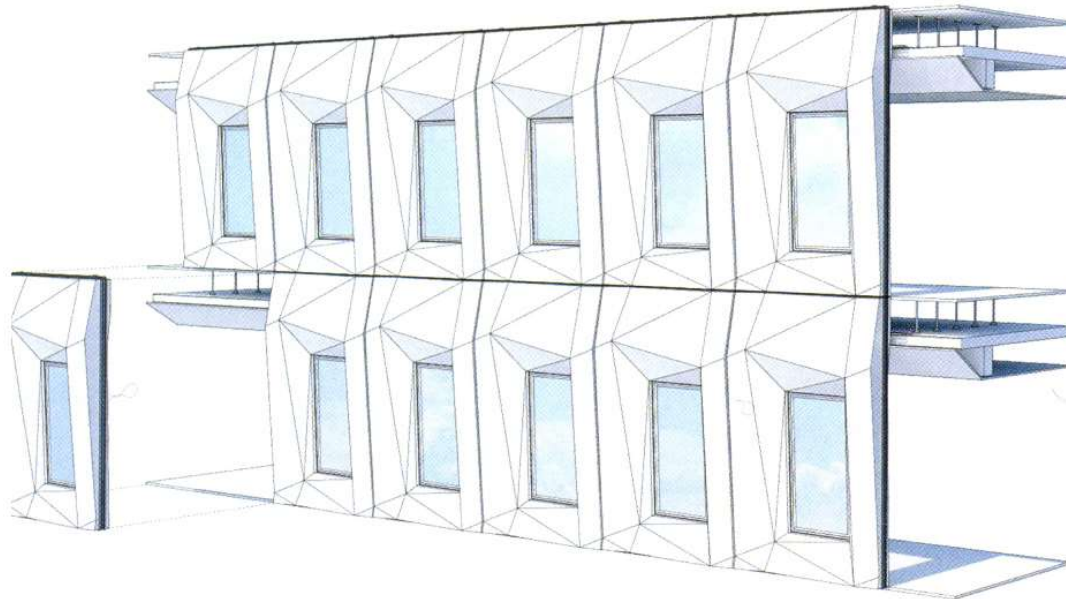


Bioverbundwerkstoff  
Innenseiten



Aluminium-  
Verbindungsrahmen

Abb.: GNX Innovation



### Entwicklungsdaten

**Name:** BioBuild Elementfassadensystem

**Einsatzgebiet:** Vorhangfassade für den Industrie- und Verwaltungsbau

**Zeitraum:** Dezember 2011 – Mai 2015

**DBZ, №9, 2015, p.71**



Abb.: GNX Innovation

Abb.: Arup Deutschland GmbH



**Living Space Architects with Hilary Lawson,  
shortlisted scheme for Re-imagine Ageing RIBA design competition, 2013.**



# VoltaMitte Urban Housing

Basel, Switzerland 2010

ヴォルタミッテ都市集合住宅  
スイス、バーゼル 2010

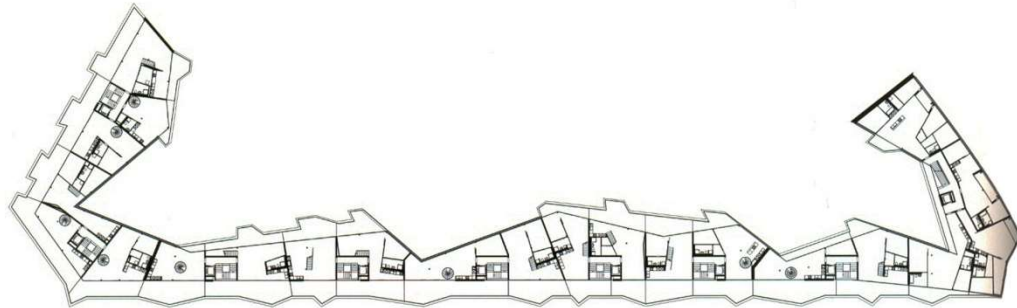


Site plan scale: 1/12,000 / 配置図 (縮尺: 1/12,000)

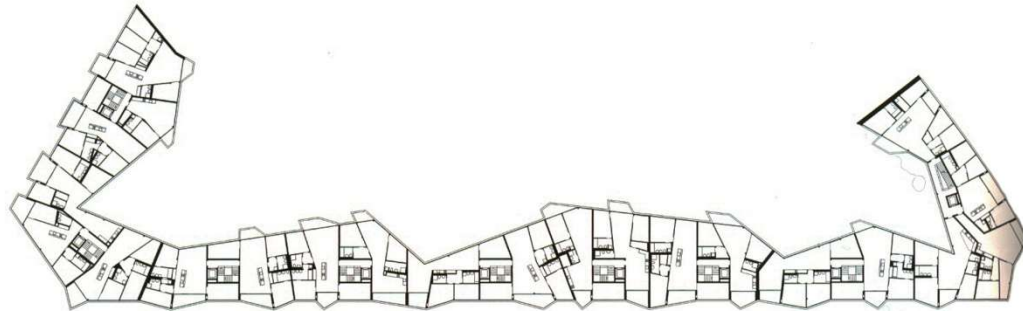




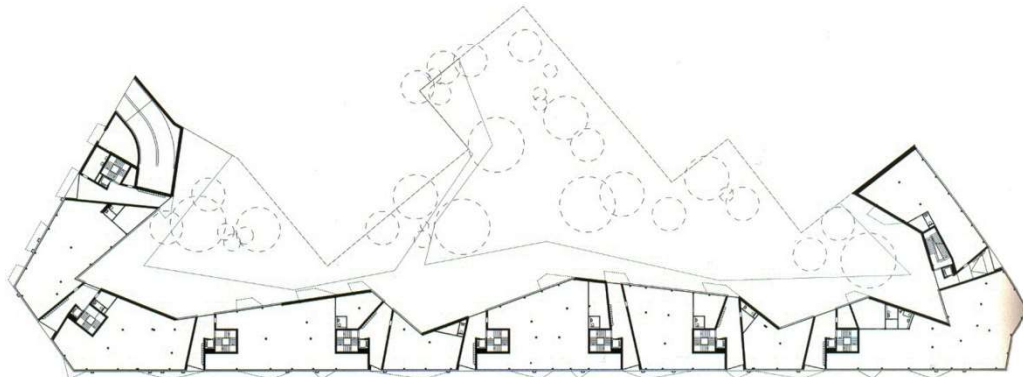
**Credits and Data**  
Project title: VoltaMittre Urban Housing  
Client: Swiss Life  
Program: Housing and commercial building  
Location: Basel, Switzerland  
Competition: 2005  
Design: 2005–2008  
Construction: 2008–2010  
Architects: Christ & Gantenbein  
Team: Mona Farag; Marion Claus, Stefan Heiniger, Mirco Juon, Christina Koching, Laura Schneider, Mathias Sehn, David Vaner, Christina Wendler  
General contractor: Losinger Marazzi  
Structural engineer: Schmetzer Puskas Ingenieure  
Gross floor area: 16,476 m<sup>2</sup>



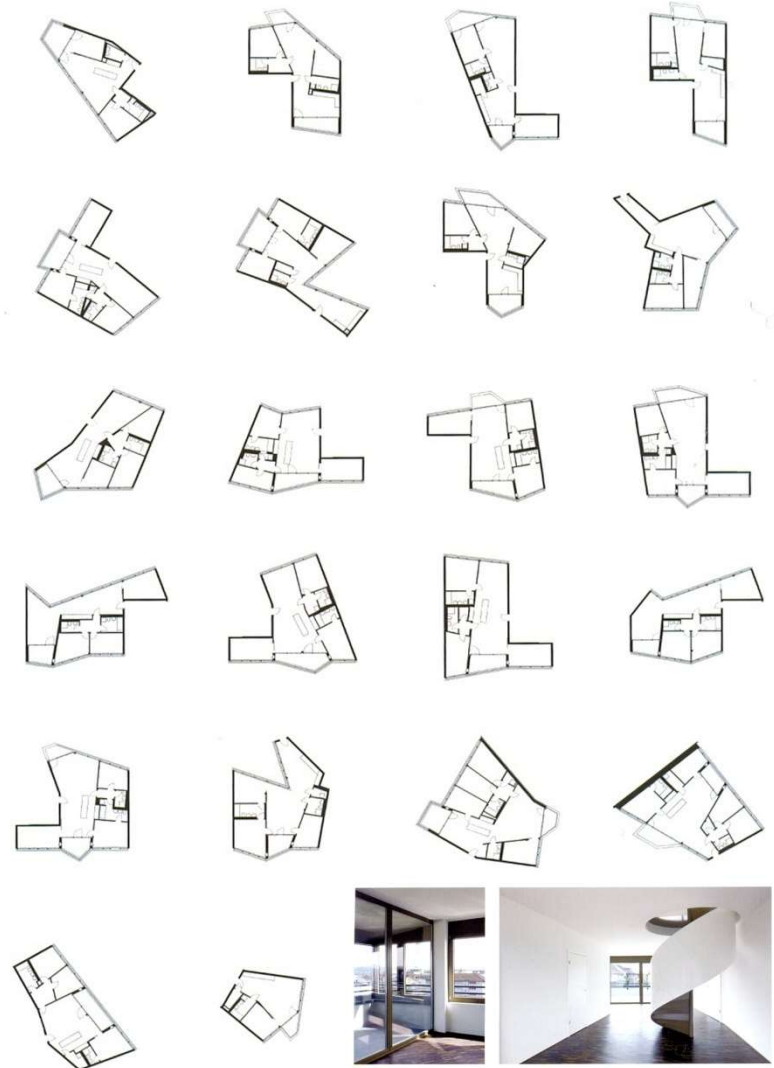
Fifth floor plan / 5階平面図



Second to fourth typical floor plan / 2~4基準階平面図



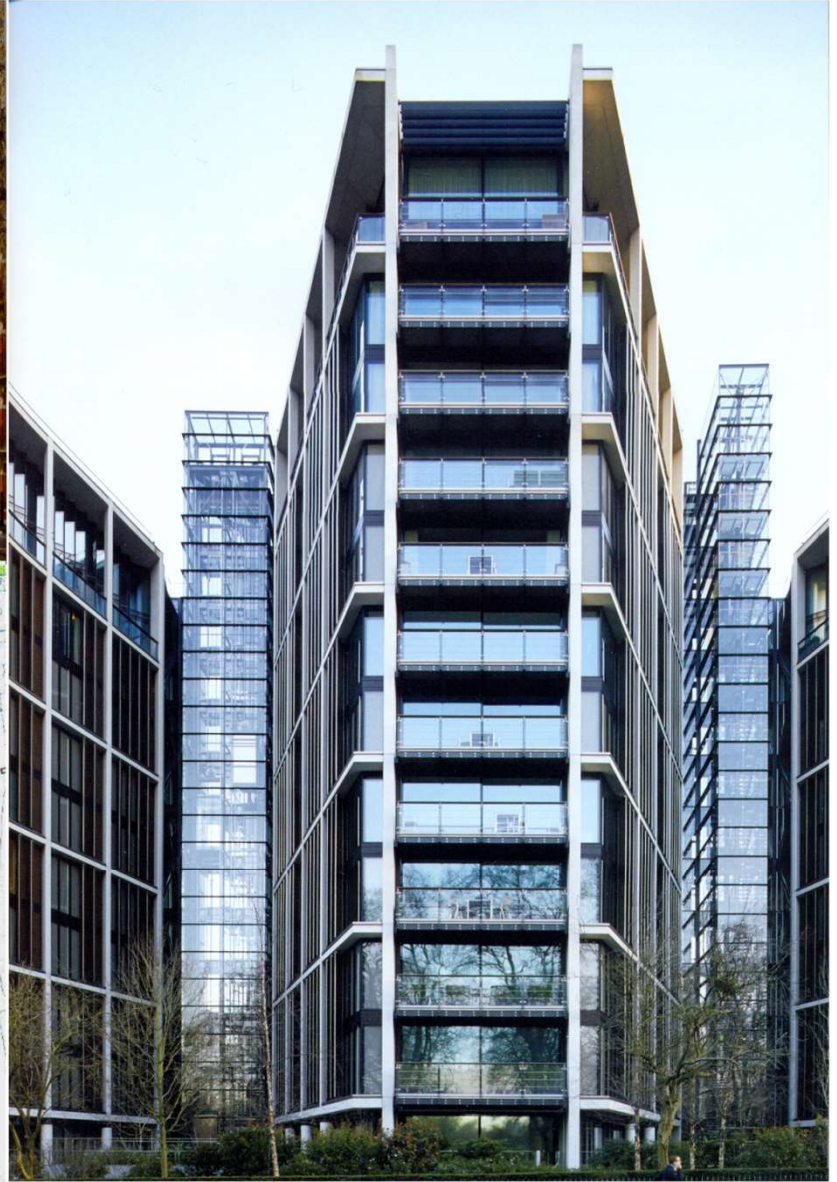
Ground floor plan (scale: 1/1,000) / 地上階平面図 (縮尺: 1/1,000)



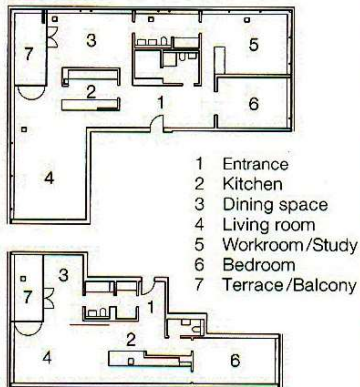
Room typologies (scale: 1/800) / 居室タイプロジー (縮尺: 1/800)



One Hyde Park  
Rogers Stirk Harbour + Partners  
Knightsbridge, Westminster 2010



James housing development, Zurich, 2006  
architects: Gmür and Geschwentner, Zurich

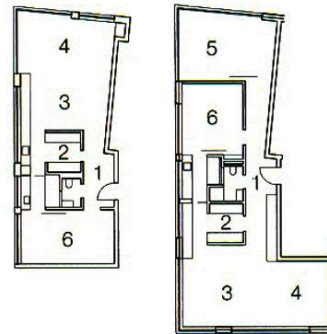


- 1 Entrance
- 2 Kitchen
- 3 Dining space
- 4 Living room
- 5 Workroom/Study
- 6 Bedroom
- 7 Terrace/Balcony



Detail English Edition, №3, 2014, p.240-254

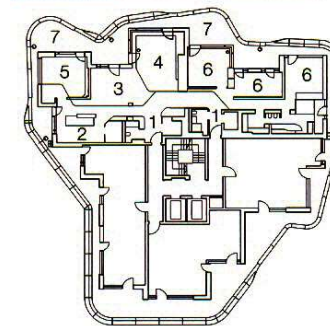
Riff Raff housing and commercial development, Zurich, 2002  
architects: Meili Peter Architects, Zurich



- 1 Entrance
- 2 Kitchen
- 3 Dining space
- 4 Living room
- 5 Workroom/Study
- 6 Bedroom
- 7 Terrace/Balcony

Detail English Edition, №3, 2014, p.240-254

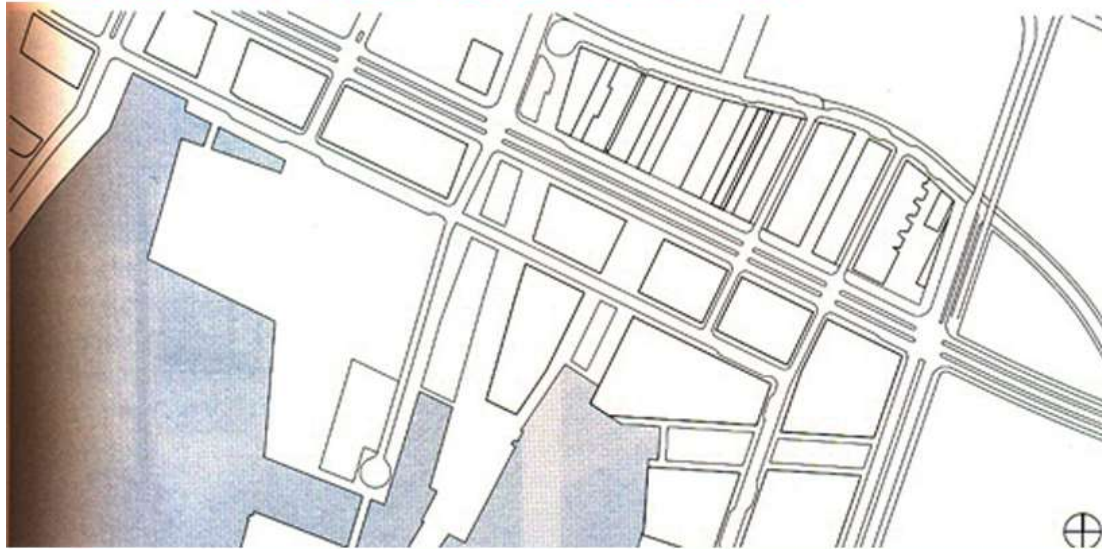
Marco Polo Tower housing, Hamburg, 2010  
architects: Behnisch Architects, Stuttgart



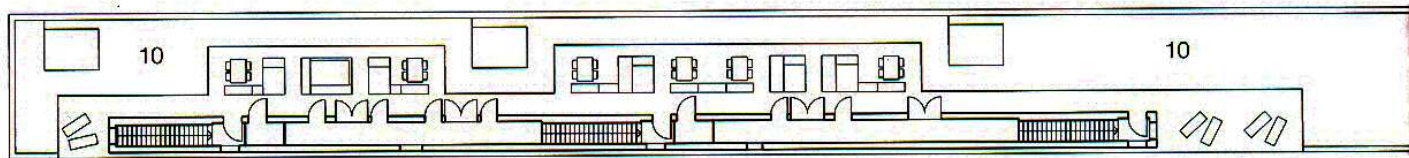
- 1 Entrance
- 2 Kitchen
- 3 Dining space
- 4 Living room
- 5 Workroom/Study
- 6 Bedroom
- 7 Terrace/Balcony

Detail English Edition, №3, 2014, p.240-254

**High-Rise Housing Block in Oslo**  
**Architects: MAD Architects, Oslo**



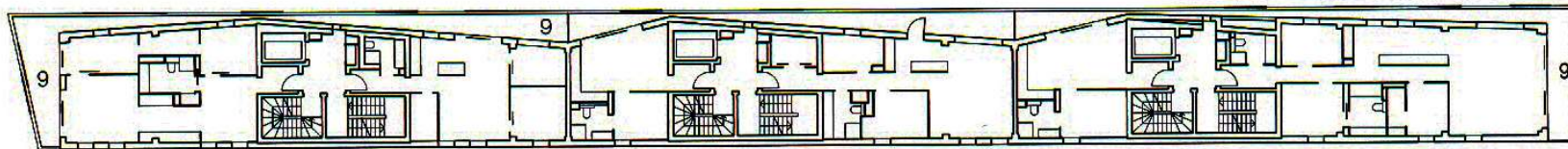
**Detail English Edition, №3, 2014, p.252-254**



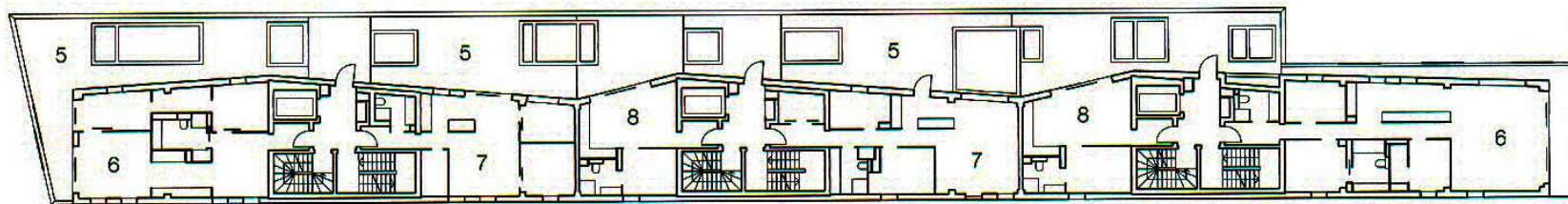
Fifteenth floor/Roof terrace

Owner occupied dwellings  
 No. of dwellings: 76  
 Size of dwellings: 37–105 m<sup>2</sup>  
 Special uses: 3,300 m<sup>2</sup>  
 Commercial areas  
 Single-storey flats  
 Gross floor area: 15,500 m<sup>2</sup>  
 Effective floor area: 14,200 m<sup>2</sup>  
 Date of completion: March 2013

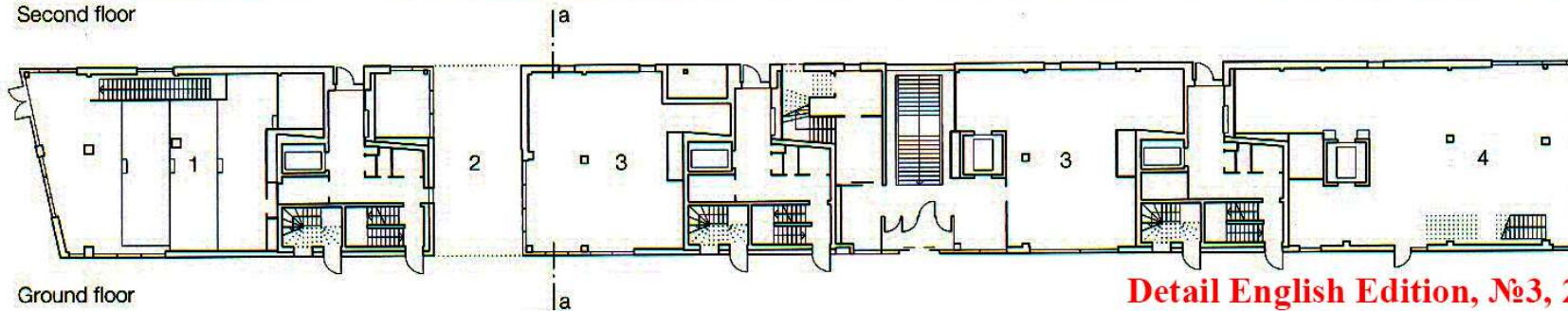
- 1 Gym
- 2 Passageway
- 3 Shop
- 4 Restaurant
- 5 Terrace
- 6 Four-room flat
- 7 Three-room flat
- 8 Two-room flat
- 9 Balcony
- 10 Roof garden



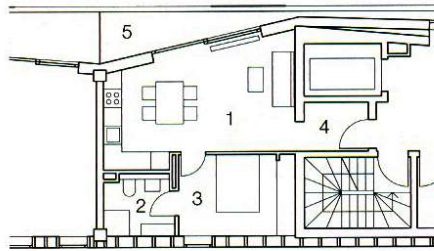
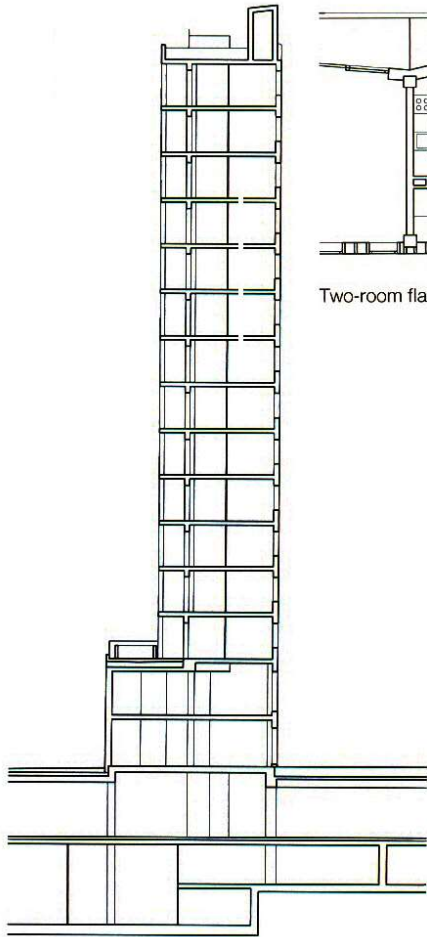
Fourth floor



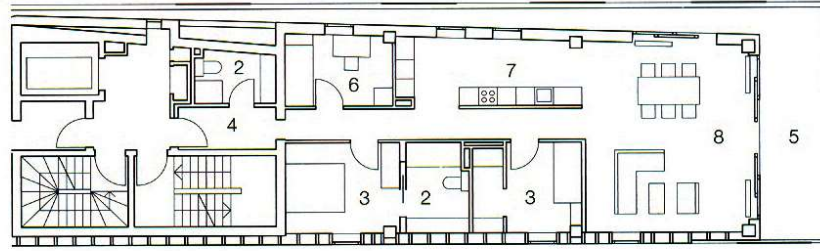
Second floor



Ground floor



Two-room flat

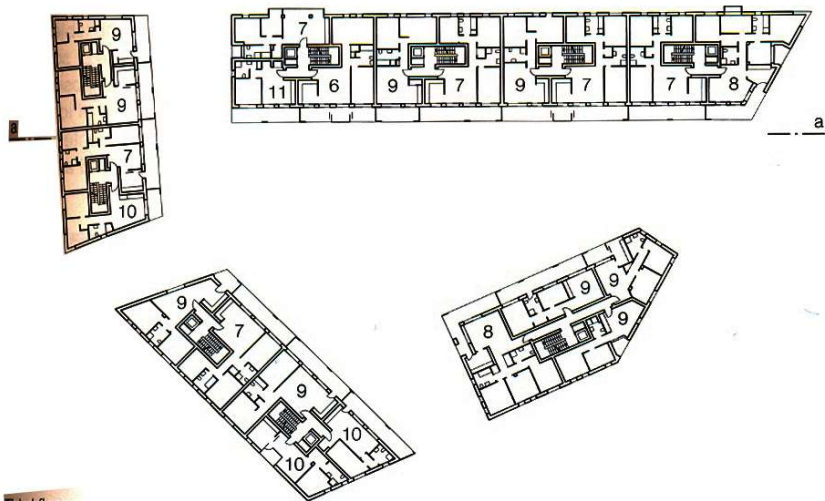


Four-room flat

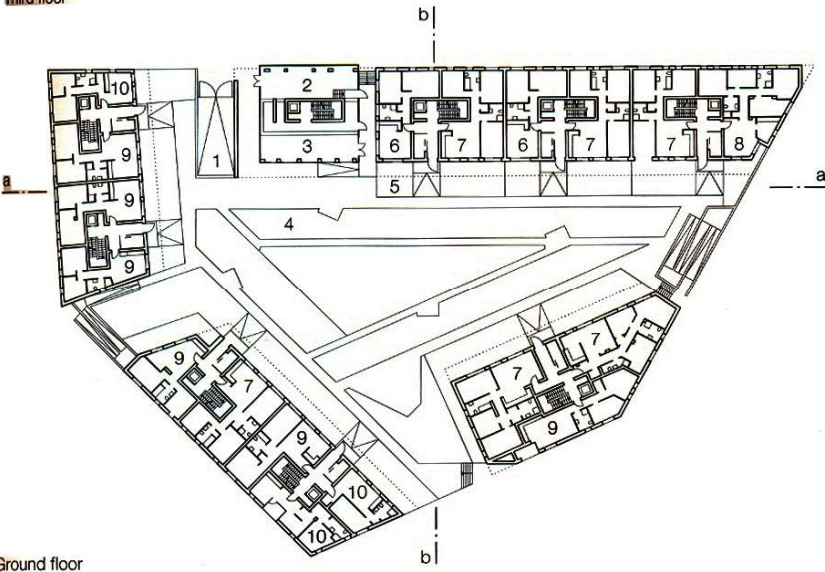
- 1 Kitchen-cum-living room
- 2 Bathroom
- 3 Bedroom
- 4 Hall
- 5 Balcony
- 6 Study/Children's room
- 7 Kitchen
- 8 Living room



Detail English Edition, №3, 2014, p.252-254



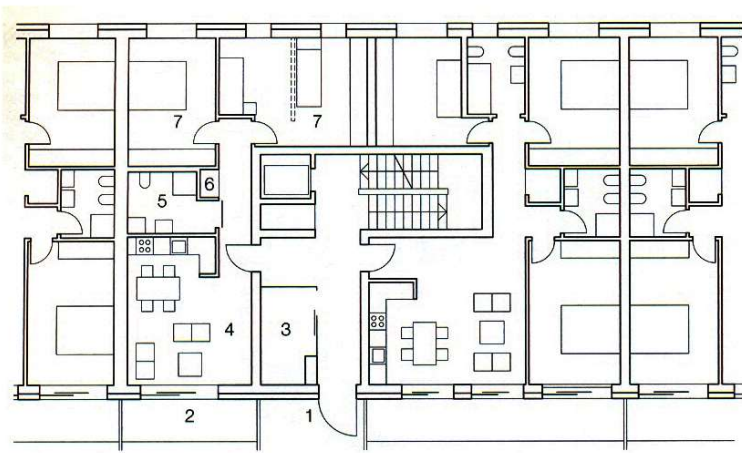
Third floor



Ground floor

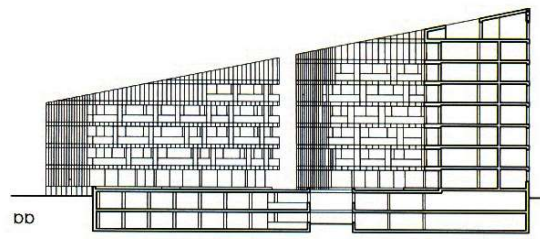
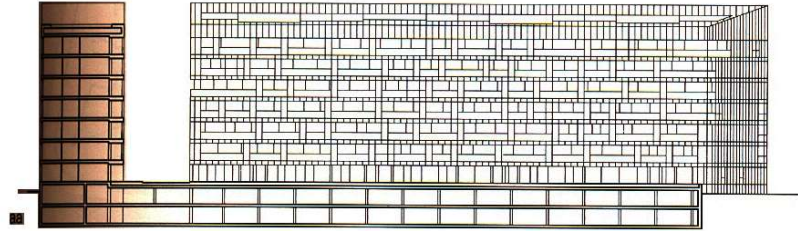
Sections · Layout plans  
scale 1:1000  
1 Basement garage access

- |                   |                            |                   |
|-------------------|----------------------------|-------------------|
| 2 Refuse space    | 5 Private garden           | 8 Five-room flat  |
| 3 Community space | 6 Three- to four-room flat | 9 Three-room flat |
| 4 Communal garden | 7 Four-room flat           | 10 Two-room flat  |
|                   |                            | 11 One-room flat  |



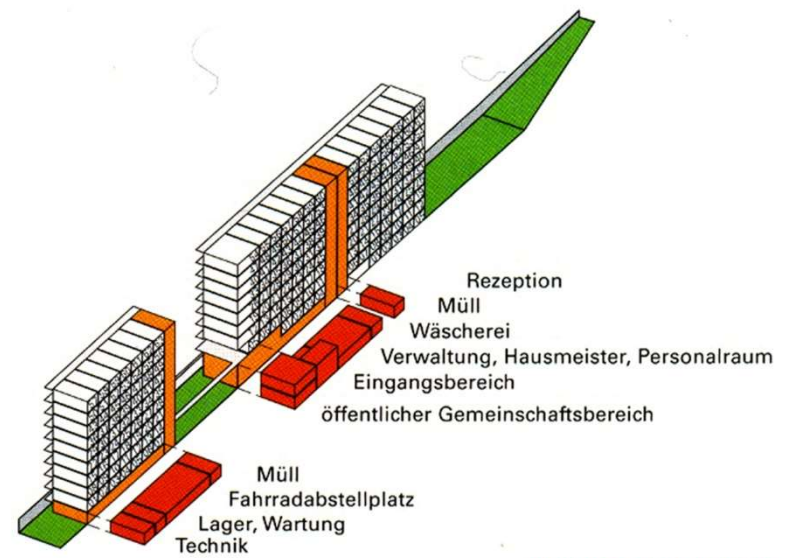
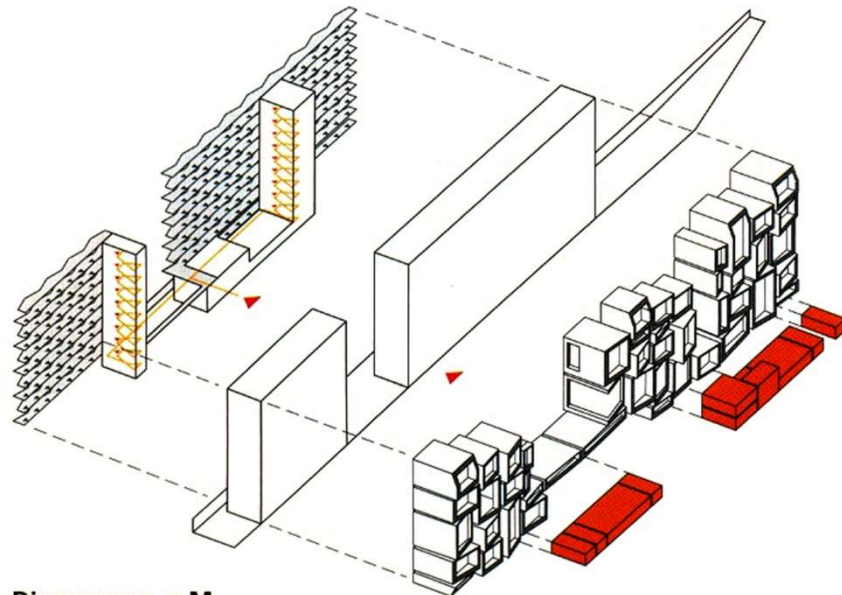
- 1 Entrance
- 2 Private garden
- 3 Pram store
- 4 Kitchen / Living room
- 5 Bathroom
- 6 Storeroom
- 7 Room

Rented flats  
No. of dwellings: 137  
Size of dwellings: 45–110 m<sup>2</sup>  
Special uses:  
Community space: 52 m<sup>2</sup>  
Duplex to quadruplex dwellings  
Gross floor area: 18,660 m<sup>2</sup>  
Date of completion: 2012  
Construction costs:  
€1,150 /m<sup>2</sup>



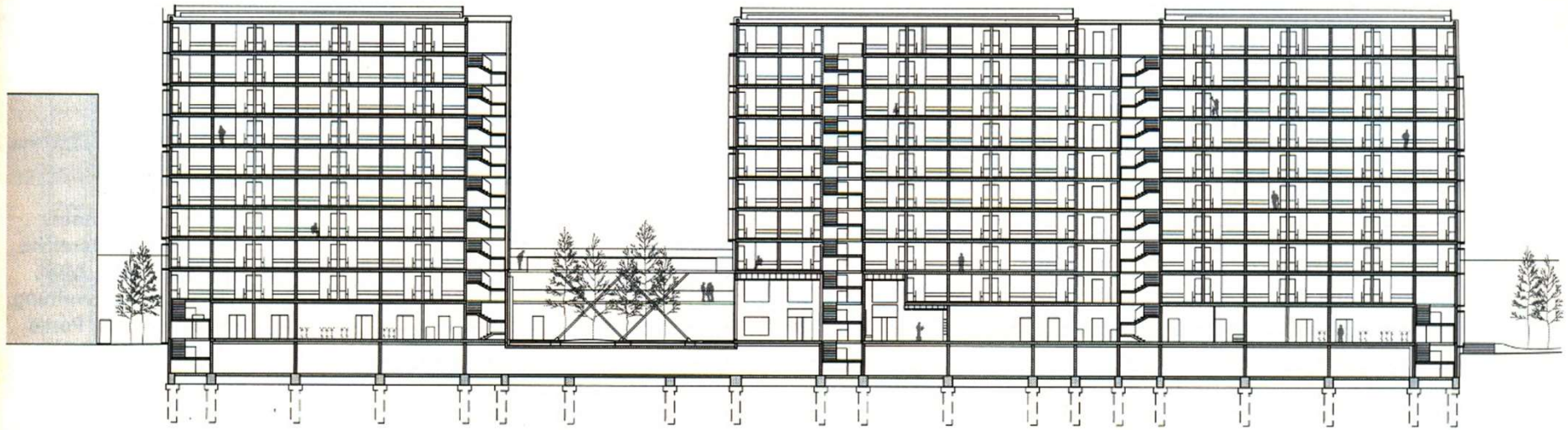
**Wohnen mit Mehrwert. Studentenwohnungen, Paris/FR**  
**Arch.: v.l.n.r.: Hajo Katzsch, Julian Hamperl, Stephan Starcke**





Diagramme, o.M.

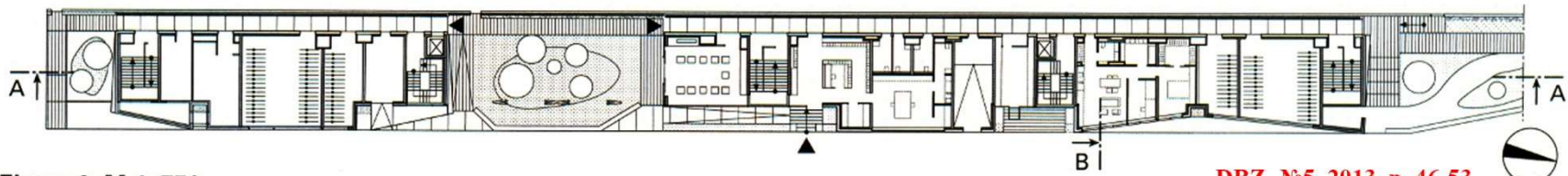




Schnitt AA, M 1:750



Grundriss Ebene 1, M 1:750

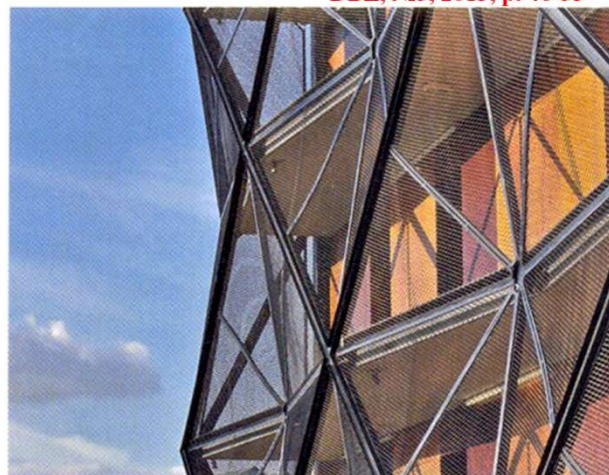


Grundriss Ebene 0, M 1:750

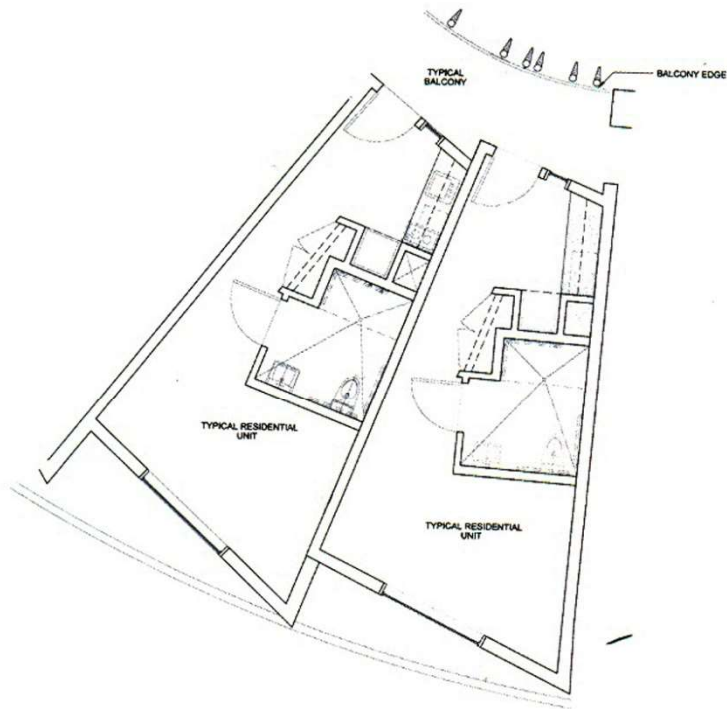
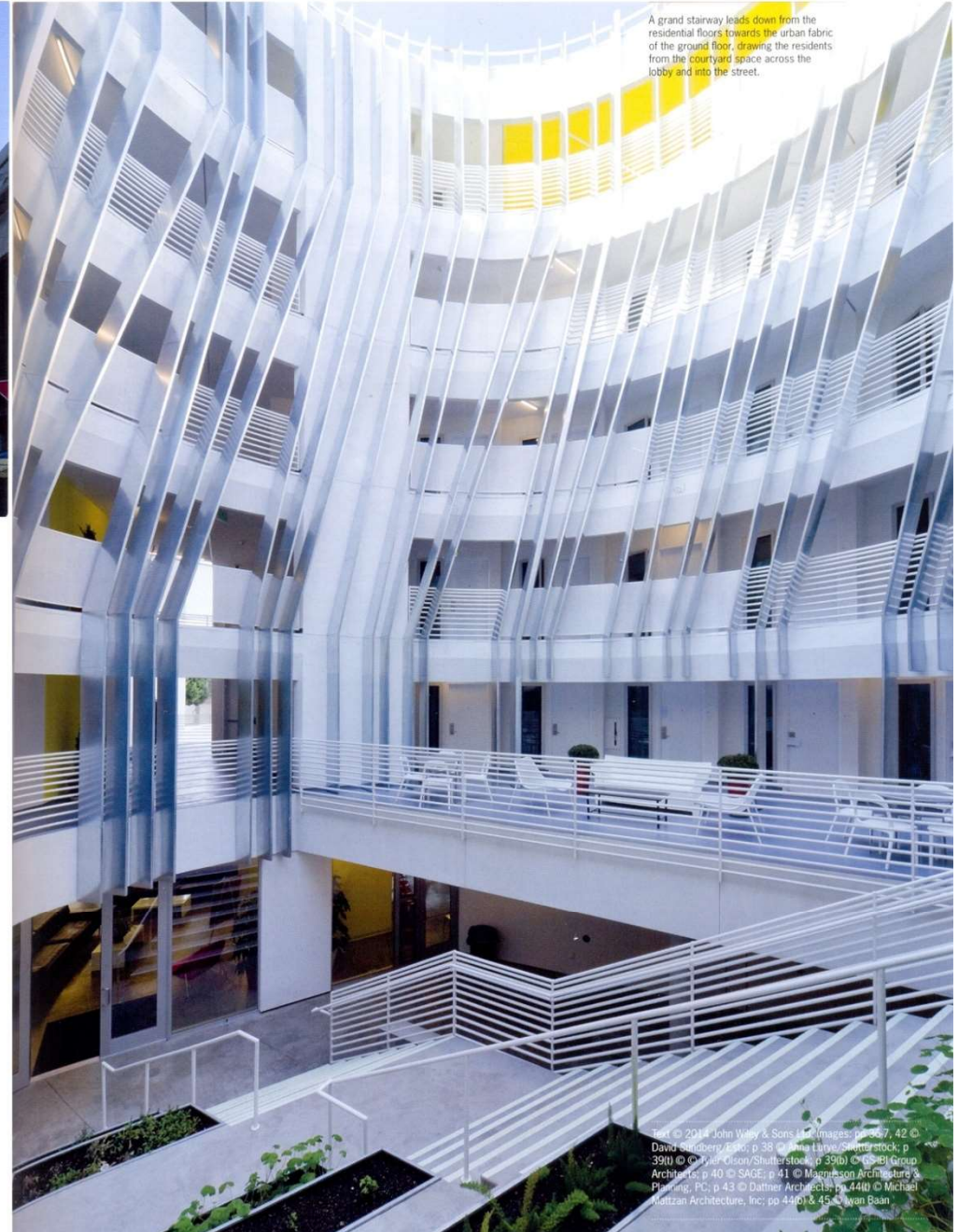
DBZ, №5, 2013, p. 46-53



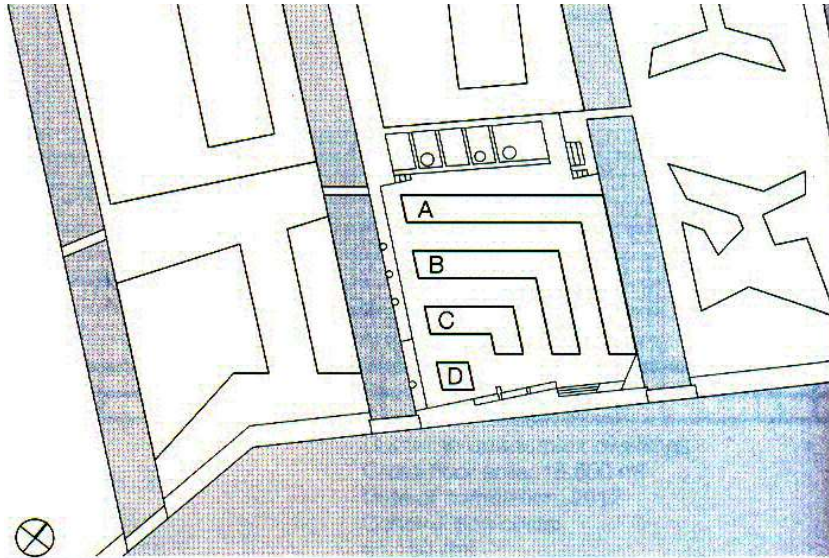
DBZ, №5, 2013, p. 46-53

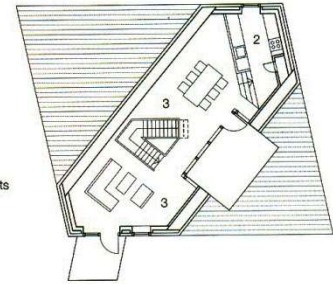
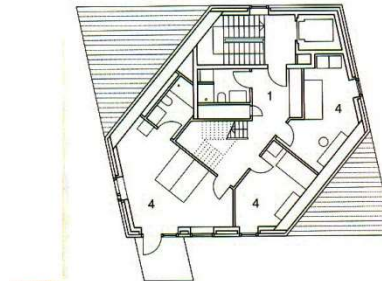
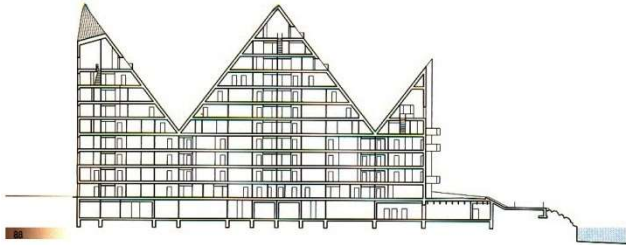


# Michael Maltzan Architecture, New Carver Apartments, Los Angeles, California, 2009



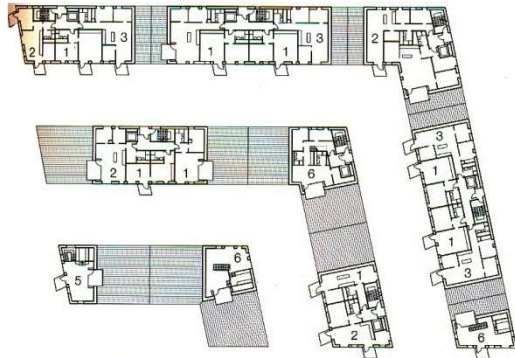
**Housing Development in Aarhus  
Architects: JDS Architects, Copenhagen**





Floor plans  
scale 1:250  
1 Hall/  
2 Hats and coats  
2 Kitchen  
3 Living-  
dining room  
4 Room

Block D  
maisonette: sixth floor



Site plan  
scale 1:4000

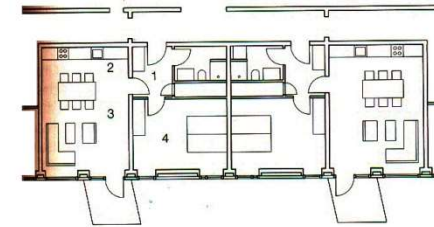
Floor plans:  
fifth floor  
ground floor  
Sections  
scale 1:1000

- 1 Two-room flat
- 2 Three-room flat
- 3 Four-room flat
- 4 "Town house"
- 5 Four-room maisonette
- 6 Five-room maisonette

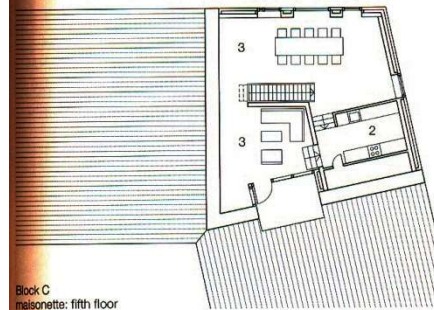
Owner-occupied and  
rented flats  
No. of dwellings: 208  
Size of dwellings:  
51.5-204.3 m<sup>2</sup>

Duplex to quadruplex  
dwellings  
Single-storey flats,  
two-storey maisonettes  
Gross floor area:  
21,600 m<sup>2</sup>  
Effective floor area with  
construction area:  
19,050 m<sup>2</sup>  
Date of completion: 2013  
Construction costs:  
€32.6 million

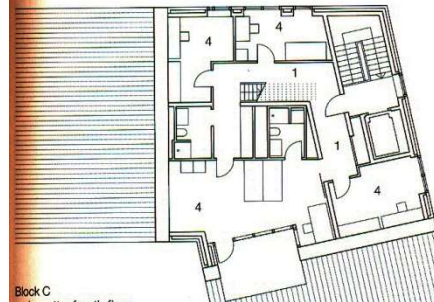
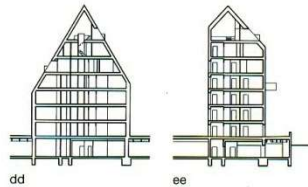
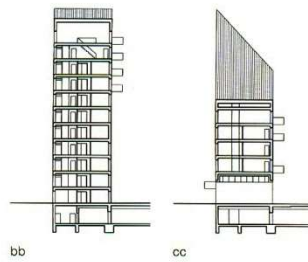
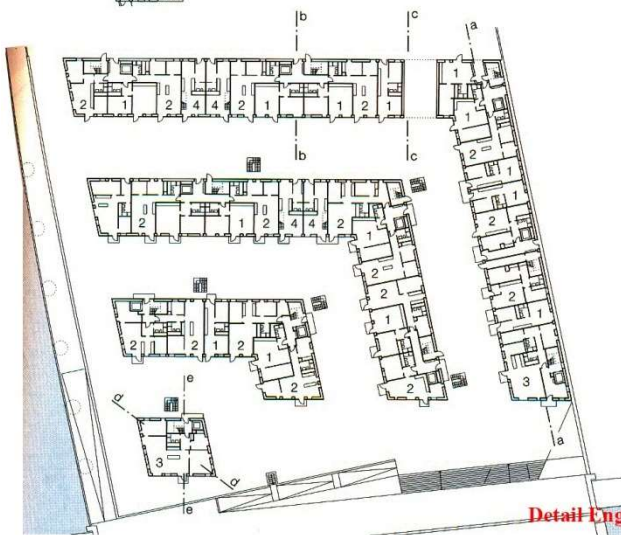
Block D  
maisonette: fifth floor



Blocks A, B  
two-room flat



Block C  
maisonette: fifth floor

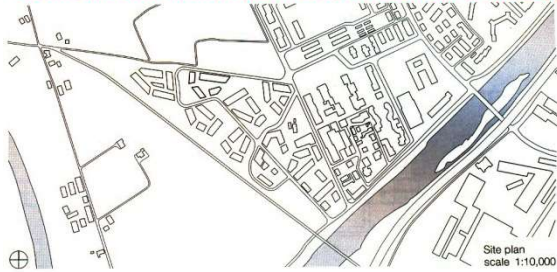


Block C



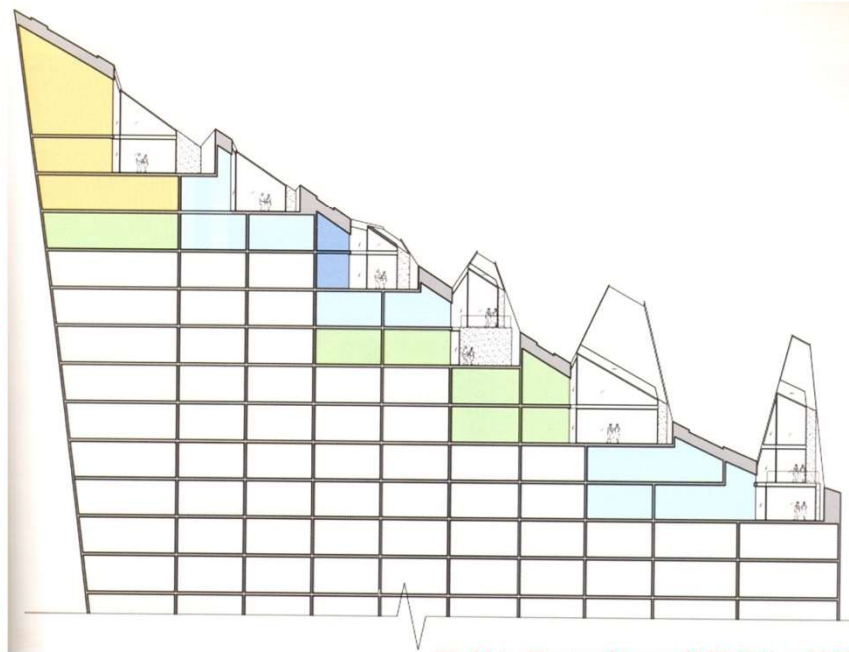
**Publicly Assisted Housing in Bolzano**

**Architects: cdm architetti associati, Bolzano Edoardo Cappuccio, Giuseppe Donato, Tomaso Macchi Cassia**

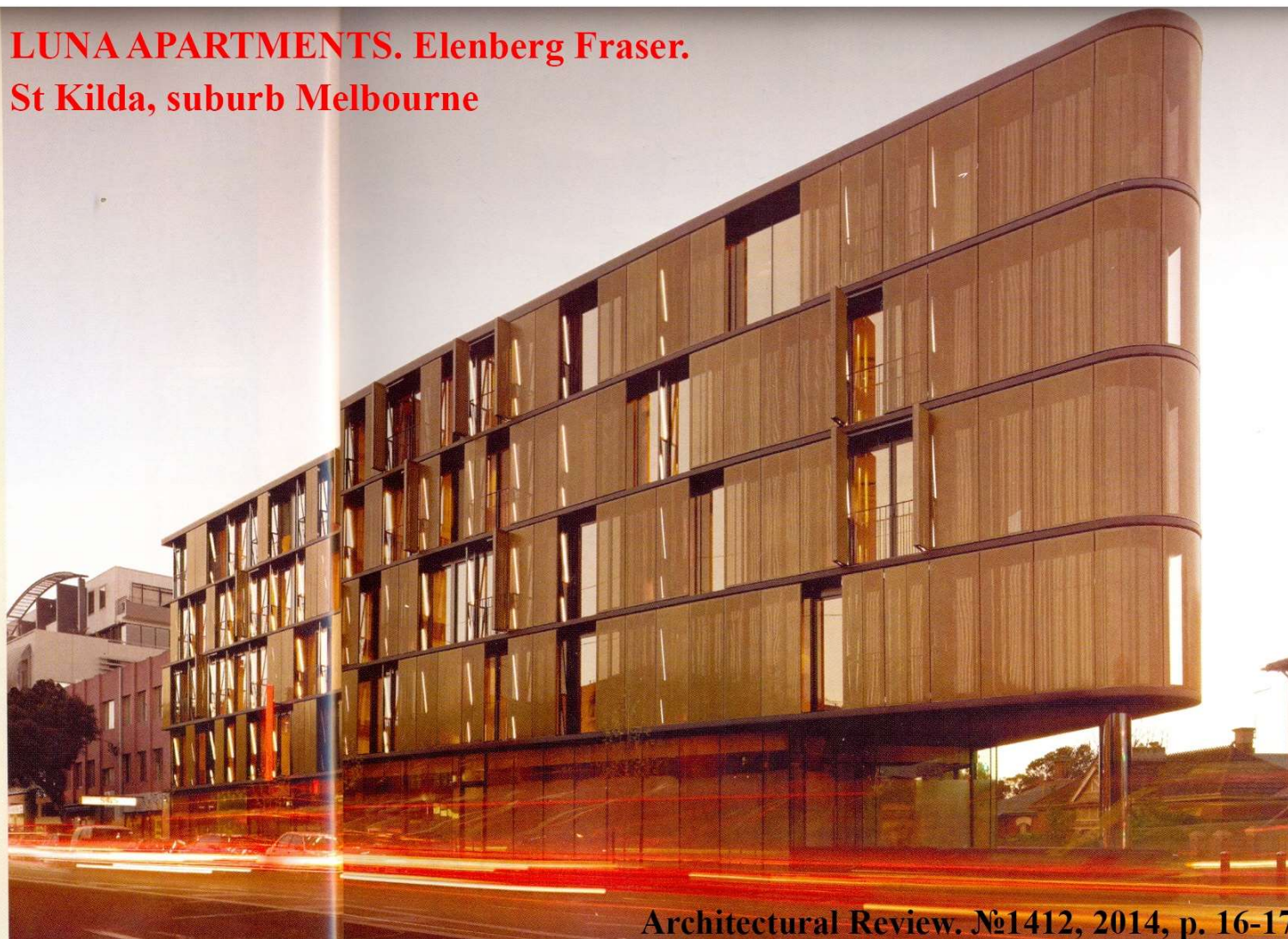


**Detail English Edition, №3, 2014, p.261-263**

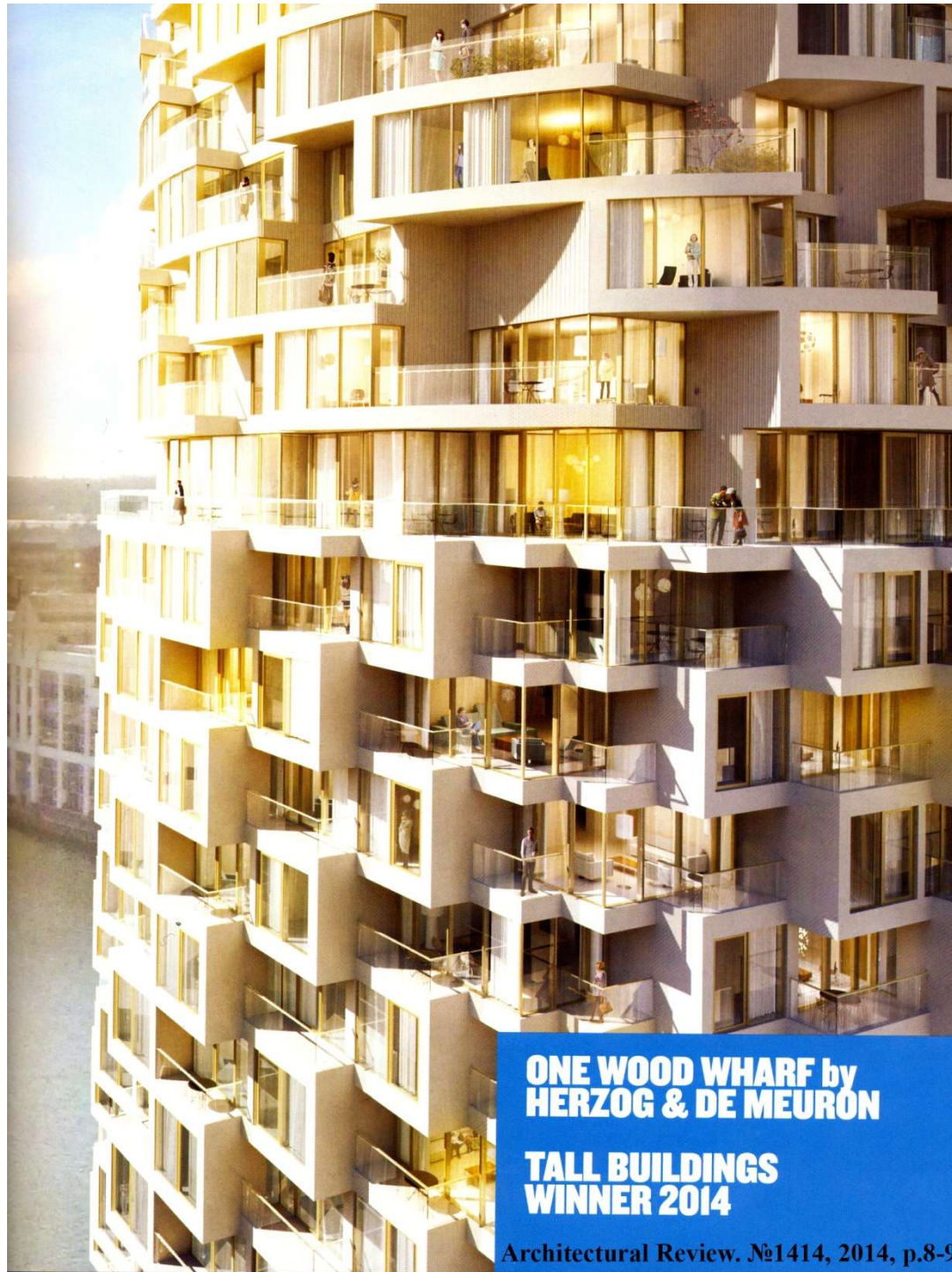
The ascent at Roeblings Bridge, Covington, Kentucky, USA  
2008, Architect : GBBN Architects



**LUNA APARTMENTS. Elenberg Fraser.  
St Kilda, suburb Melbourne**



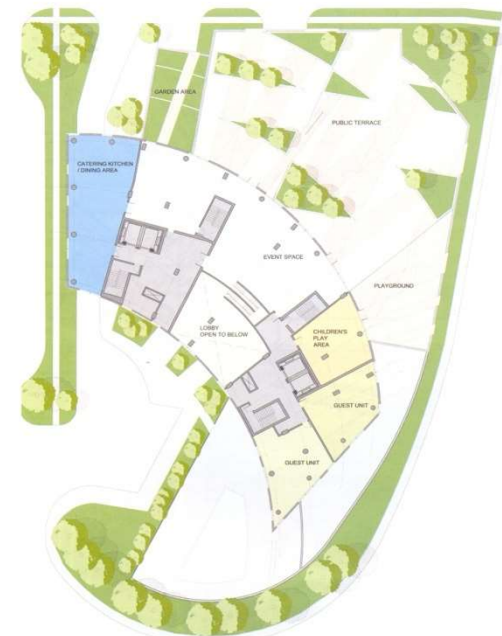
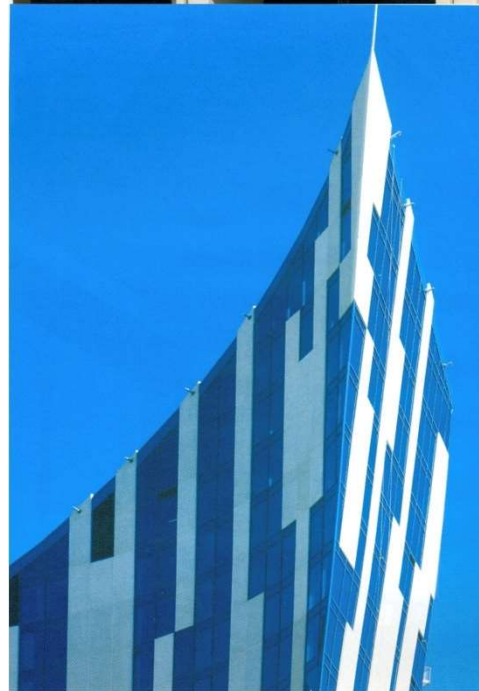
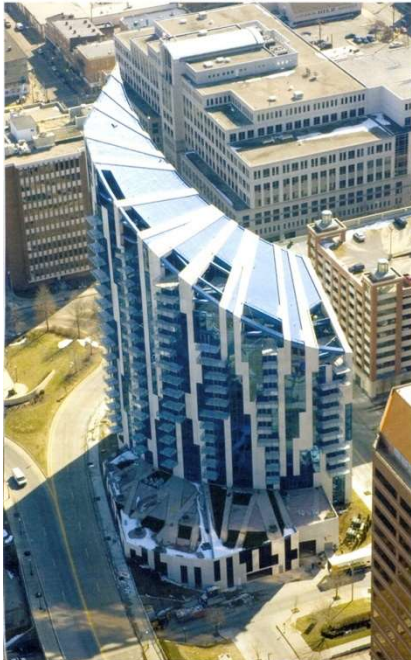
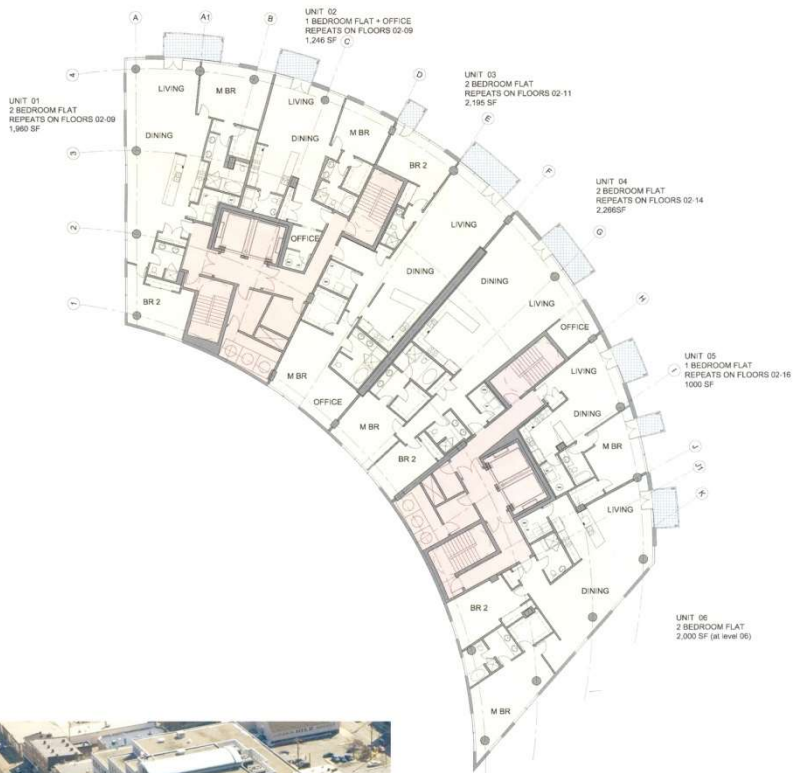




**ONE WOOD WHARF by  
HERZOG & DE MEURON**

**TALL BUILDINGS  
WINNER 2014**

Architectural Review. №1414, 2014, p.8-9

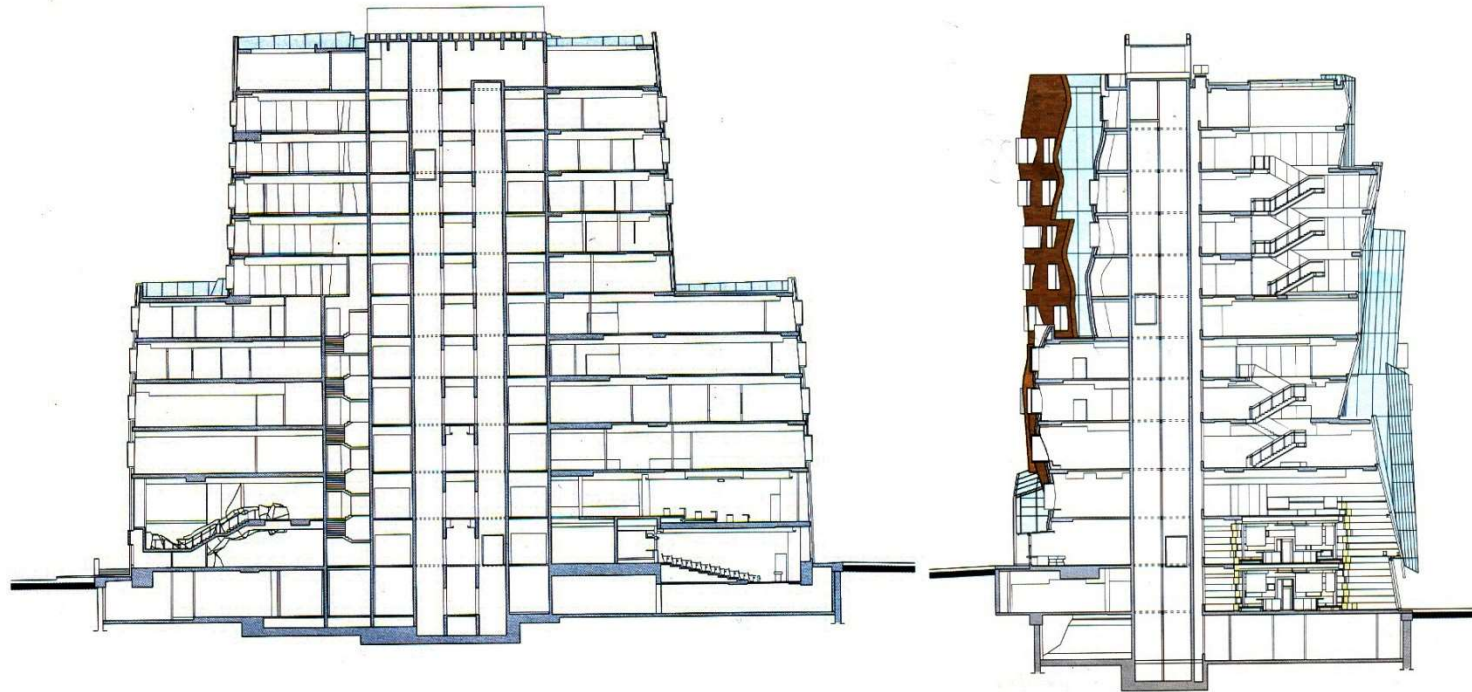


**UTS University of Technology, Sydney**  
**Architects: Gehry Partners**



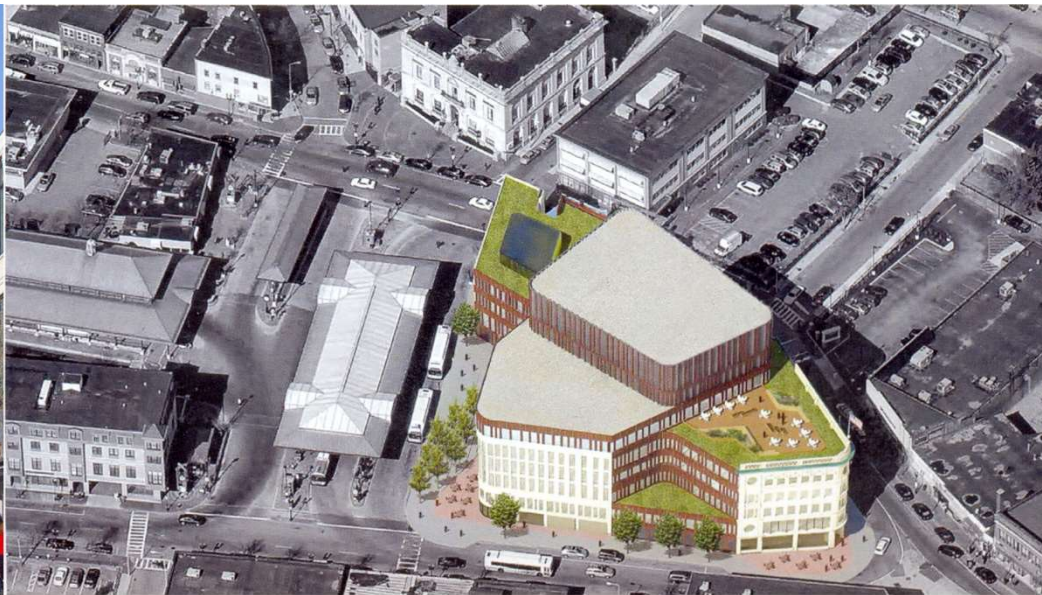


**The PLAN, №81, 2015, p.56-68**

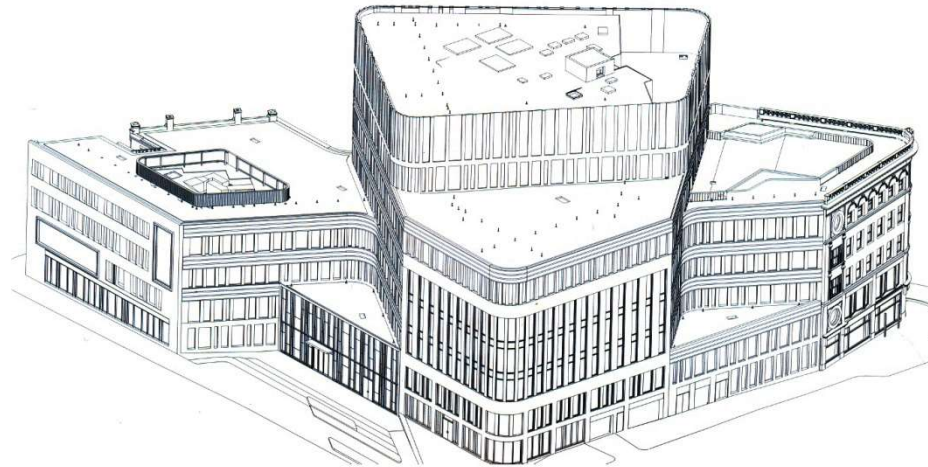
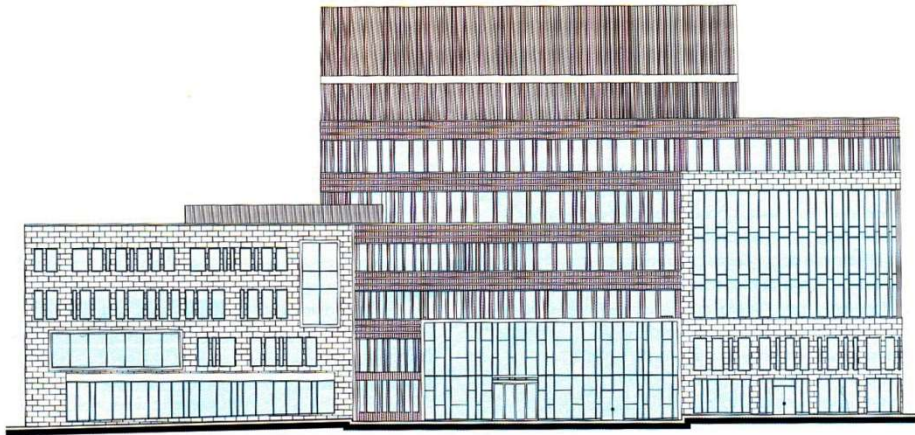


**The PLAN, №81, 2015, p.56-68**

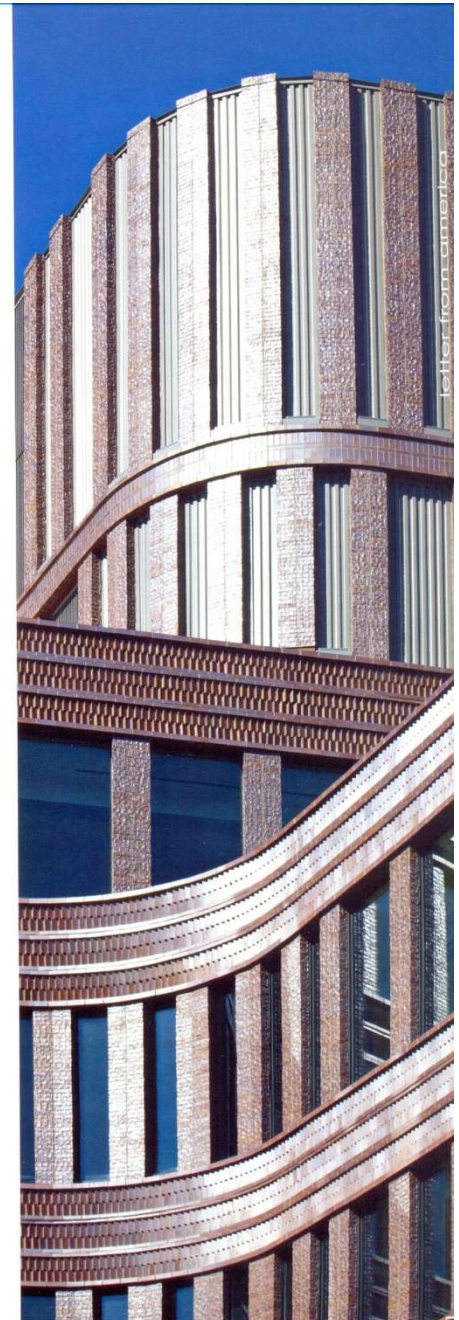
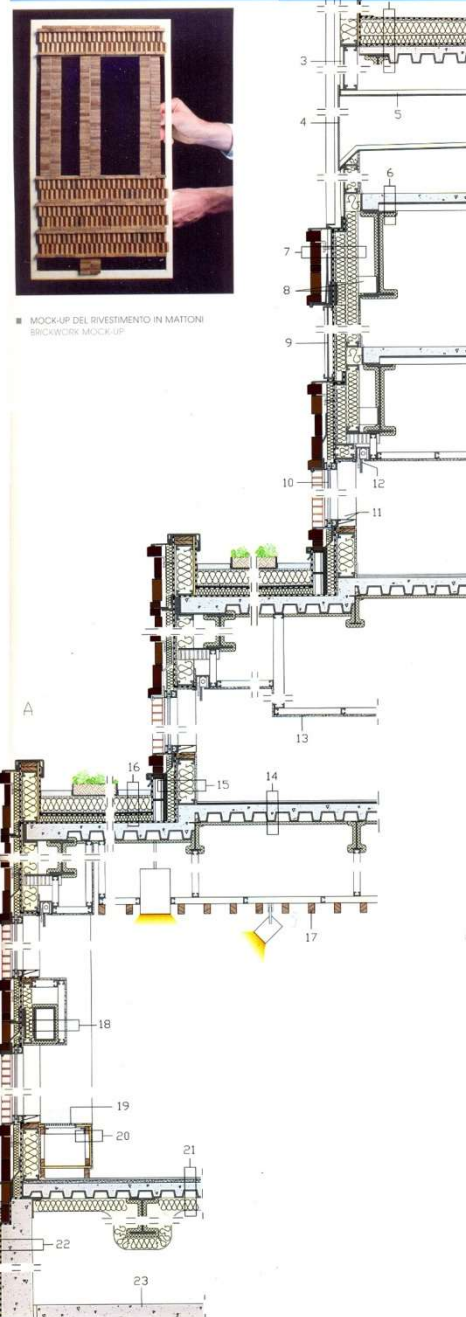
**BRUCE C. BOLLING MUNICIPAL BUILDING. FACILITY COMPLEX**  
Boston, USA  
Architects: MECANOO  
AND SASAKI ASSOCIATES



**The PLAN, №84, 2015, p.34-37**



The PLAN, №84, 2015, p.34-37



The PLAN, №84, 2015, p.34-37





**Hotel Hauser,  
St.Moritz, 1969-1971, architekt : Carmelia Maissen**



