



Espaço & "Lugar"



Arquitetura e “Lugar”

Edifícios, Interstícios e o Espaço Urbano



Tese apresentada à Faculdade de Arquitetura e Urbanismo da Universidade de São Paulo dentro do curso de Pós-graduação em Estruturas Ambientais Urbanas visando a obtenção do título de Doutor. São Paulo 2004

Orientador Prof. Dr. Arq. Sylvio Barros Sawaya

Aluno Arq. Julio Cezar Bernardes Pinto

Rudolf Arnheim | Christian Norberg-Schulz | Aldo Rossi | Giulio Argan | Vicent Scully
Kent Bloomer e Charles Moore | José M. R. Garcia Lamas | Josep Maria Montaner

Leitura Formal Elementos conceituais

- 1. Eixos -**
Malha organizadora do espaço
- 2. Massa Edificada - Morfologia**
- 3. Composição Tipológica**
- 4. Simetria – Assimetria**
- 5. Centralidade**
- 6. Verticalidade**
- 7. Técnica construtiva**
- 8. Percepção Espacial**

Conceitos relevantes: **Percorso** Caminhar **Estaticidade** Dinamismo **Assimetria** Simetria **Percepção ativa**

Categoria Espacial 01 O edifício como objeto solto no espaço

Prevalece a situação do edifício como um elemento autônomo, dominante na paisagem, não configurando o espaço circundante. A definição do lugar está determinada pela referência simbólica da arquitetura e pela qualidade estética da tipologia adotada.

Períodos recorrentes:

Arquitetura egípcia, grega, romana, bizantina, islâmica, gótica, renascentista e maneirista. Também encontramos exemplos nos séculos XVIII - "Era da Ilustração" -, XIX, e; principalmente, no século XX, neste casos, nas propostas vinculadas ao paradigma funcionalista.

Categoria Espacial 02 O edifício desenhandando o espaço livre / 1a. situação

Prevalece a idéia da configuração do espaço livre através do agenciamento do edifício. Estabelece-se aqui um dos elementos tipológicos mais característicos da arquitetura: o pátio. A escala arquitetônica adquire uma outra dimensão perceptiva. Passa a existir uma categoria espacial que é responsável pela transição entre o interior e o exterior do edifício.

Períodos recorrentes:

Arquitetura egípcia, grega, romana, bizantina, islâmica, românica, gótica, renascentista, maneirista e barroca. Encontramos significativos exemplos na arquitetura produzida nos séculos XIX e XX.

Categoria Espacial 03 O edifício desenhandando o espaço livre / 2a. situação

Prevalece a idéia da configuração do espaço livre através do agenciamento do edifício, mas gerando uma composição mais dinâmica e complexa. Rompe-se a idéia de simetria e ortogonalidade. A dinâmica do espaço está dada pela irregularidade do traçado, dinâmico e instável.

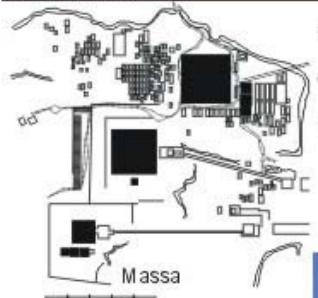
Períodos recorrentes:

Arquitetura grega, romana, islâmica, românica, maneirista, barroca. Encontramos muitos exemplos significativos na produção arquitetônica pós-moderna - principalmente nas décadas de 60, 70 e 80 - e contemporânea, quando observamos, principalmente, as obras de Daniel Libeskind, Zaha Hadid, Bernard Tschumi e Peter Eisenman.

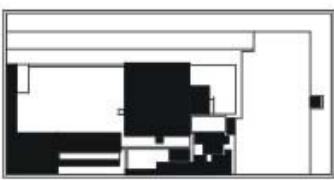
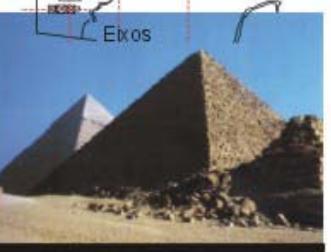
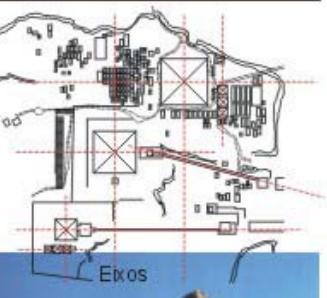
Categoría Espacial 01

Categoria Espacial 01

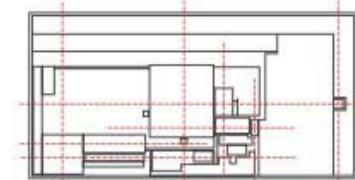
Arquitetura Egípcia



Gizé. Pirâmides, 2613-2494 a.C.



Massa

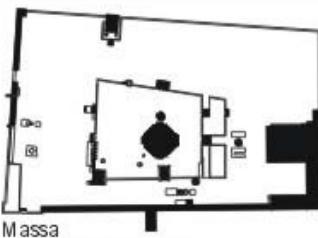


Eixos

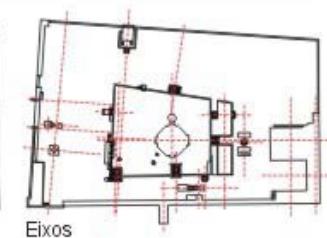


Sakkara.
Pirâmide de Zoser, 2778-2723 a.C.
Arq. Imhotep

Arquitetura Islâmica



Massa

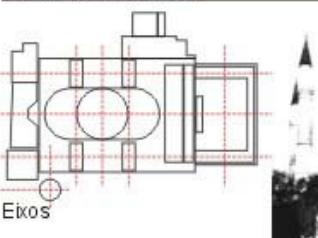


Eixos



Jerusalém. Cúpula do Rochedo , 687-692.
Califa Abd Al-Malik

Arquitetura Bizantina



Eixos

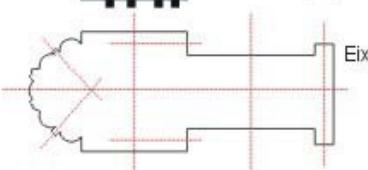


Estambul. Constantinopla. Igreja Santa Sofia, 532-537

Arquitetura Gótica



Massa



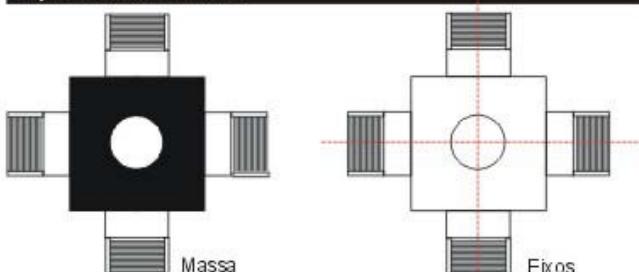
Eixos



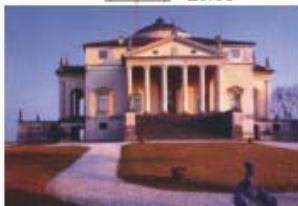
França. Catedral de Reims, sec. XII
Arq. Jean d'Orbais

Categoria Espacial 01

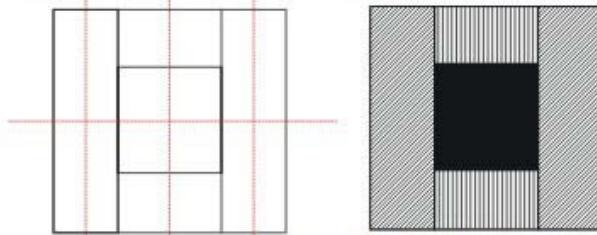
Arquitetura Renascentista



Vicenza. Vila Rotonda, 1566-1570
Arq. Andrea Palladio



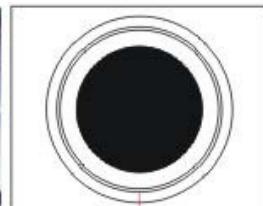
Arquitetura no século XVII - XIX - A Era da Ilustração



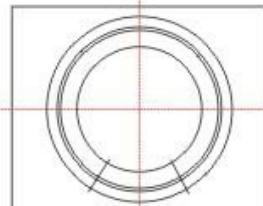
Casa de Guarda Fluvial, 1785
Arq. Claude-Nicolas Ledoux



Cenotálio Isaac Newton, 1784
Arq. Étienne-Louis Boullée



Casa de Guarda Agrícola, 1775
Arq. Claude-Nicolas Ledoux

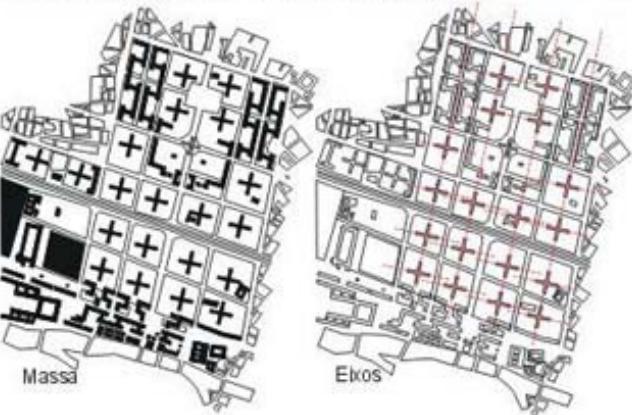


Paris. Barrière de la Villette, 1784-1789
Arq. Claude-Nicolas Ledoux

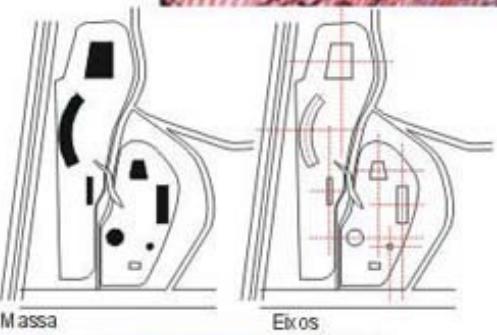


Categoria Espacial 01

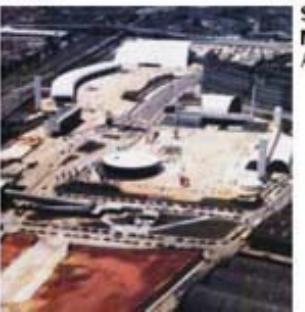
Arquitetura no século XX - O Modelo Racionalista



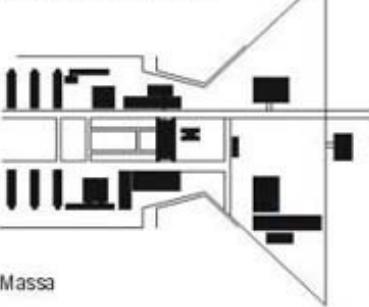
França. Plano Voisin Paris, 1925
Arq. Le Corbusier



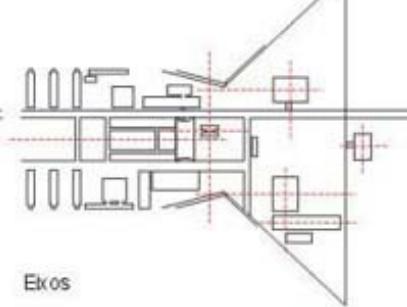
São Paulo.
Memorial da América Latina, 1989
Arq. Oscar Niemeyer



Arquitetura Moderna

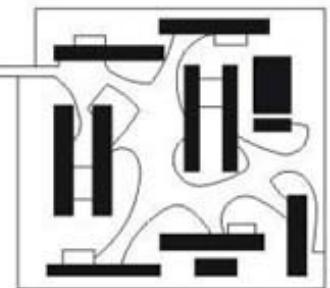


Massa

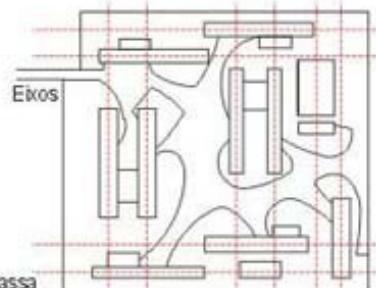


Eixos

Brasília. Praça dos Três Poderes, 1960
Arq. Lúcio Costa



Massa



Eixos

Brasília. Super Quadra, 1960
Arq. Lúcio Costa

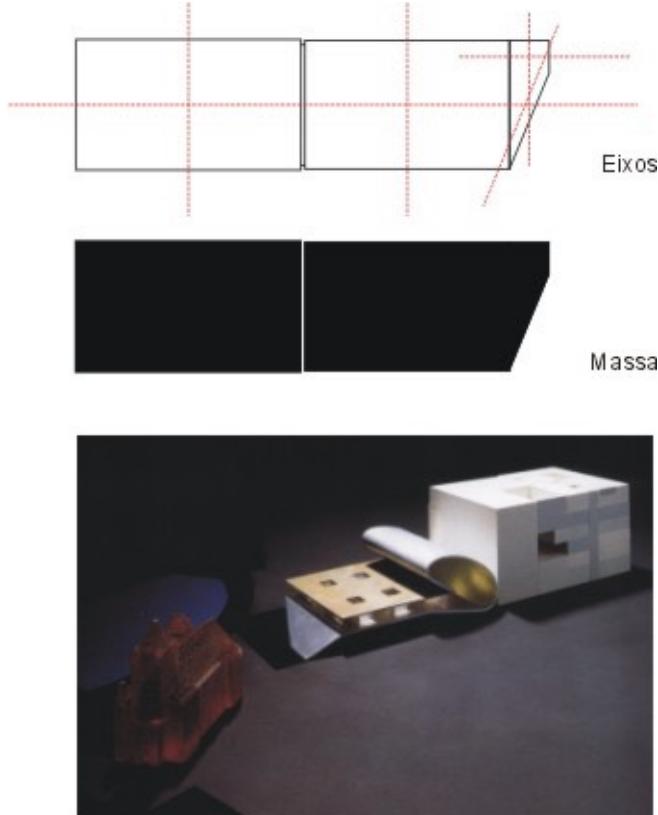
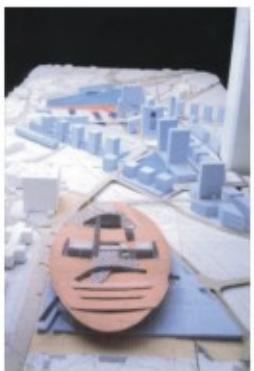


Categoria Espacial 01

Arquitetura Contemporânea



França. Lille - Congrexpo, 1990-94
Arq. Rem Koolhaas

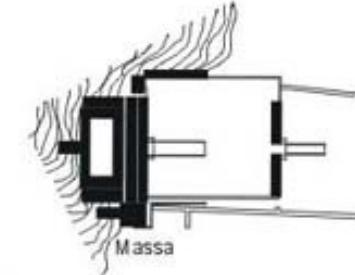
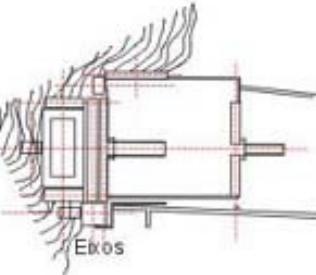
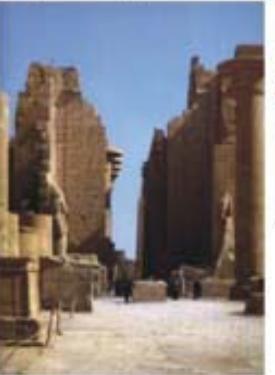


Reino Unido. País de Gales - Ópera Cardiff, 1994
Arq. Rem Koolhaas

Categoría Espacial 02

Categoria Espacial 02

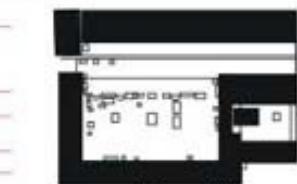
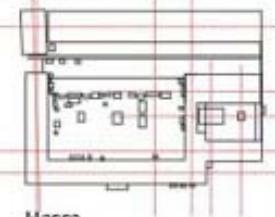
Arquitetura Egípcia



Tebas. Carnaque.
Complexo de Amón, 2000 a.C.

Templo funerário da Rainha Hatshepsut
Deir el-Bahari, 1470 a.C.

Arquitetura Grega

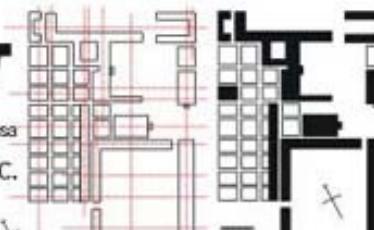


Massa

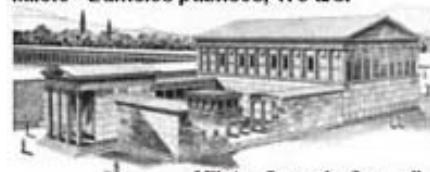
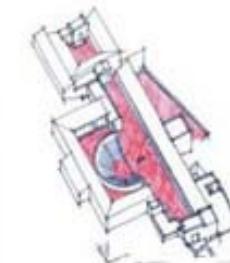
Eixos



Delos
Santuário da deusa síria, sec. II a.C.



Mileto - Edifícios públicos, 479 a.C.

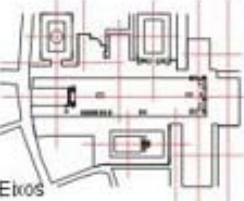
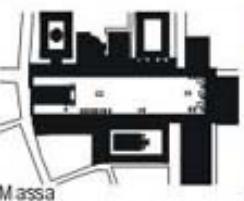


Mileto. Casa do Conselho

Priene - Ágora, sec. II a.C.



Arquitetura Romana



Massa

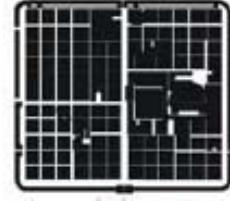
Eixos



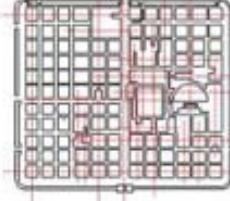
Fórum de Pompeia - Arco de Nero

Timgad

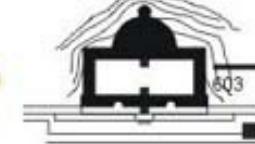
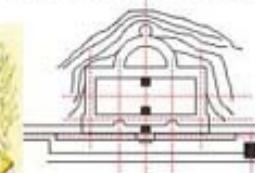
Cidade Romana de Timgad, 100 d.C.



Massa



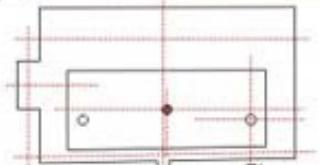
Eixos



Praeneste
Templo da Fortuna Primigenia, 80 a.C.

Categoria Espacial 02

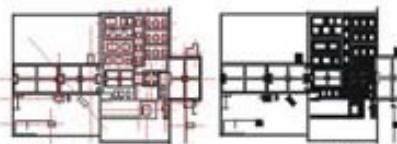
Arquitetura Islâmica



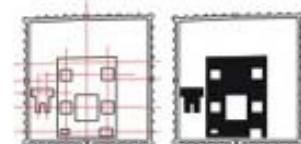
Síria - Damasco.
A Grande Mesquita de Damasco, 707-14



Massa



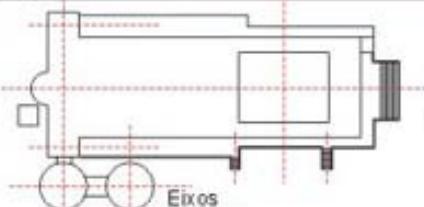
Iraque - Samarra. Palácio de Bulakwara, 850-60



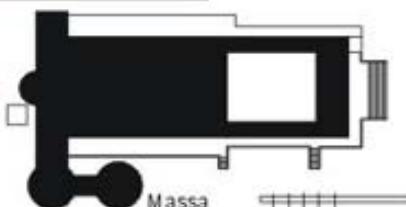
Mesopotâmia
Palácio de Ukhaidir, 778



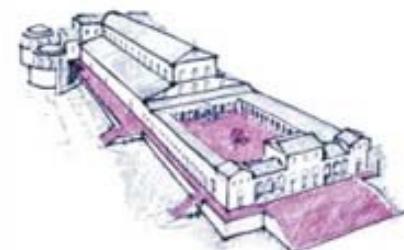
Arquitetura Bizantina



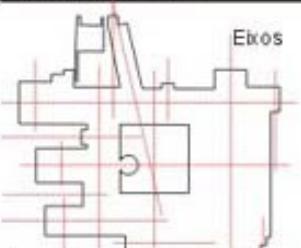
Roma - Antiga Basílica de São Pedro, 324



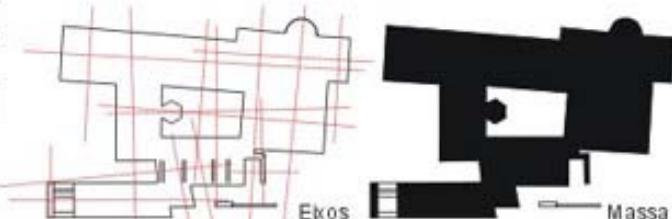
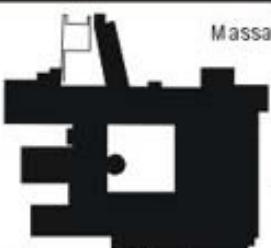
Massa



Arquitetura Românica



Alemanha Abadia do Mosteiro de Maulbronn, sec. XII

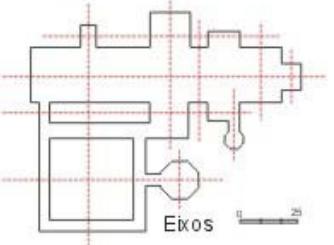


França. Toulouse - Mosteiro de Le Thoronet, 1136

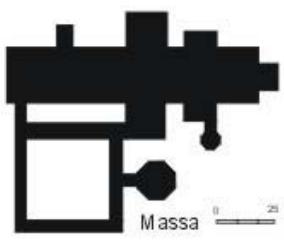
Suiça. Mosteiro de St. Gall, 816
St. Gall. Maquete - Um mosteiro ideal



Arquitetura Gótica

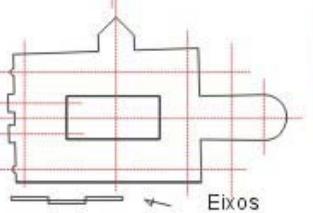
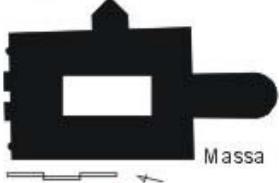


Inglaterra - Catedral de Salisbury, 1220-26

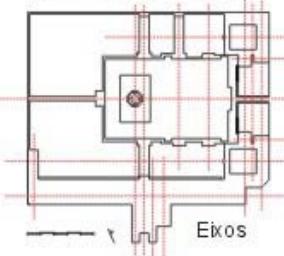
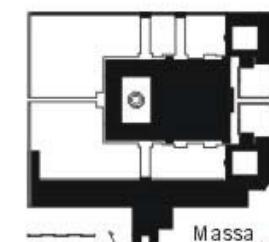


Arquitetura Turca

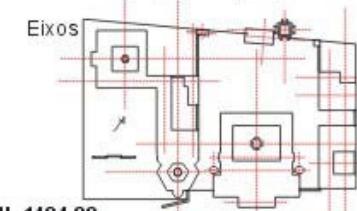
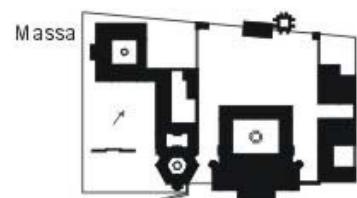
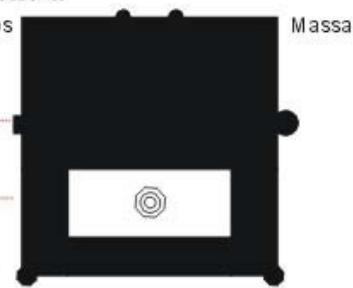
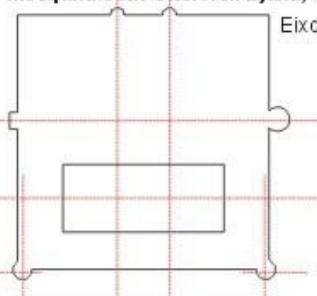
Turquia. Erzerum - Madrasa Cifte Minare Medrese, 1253



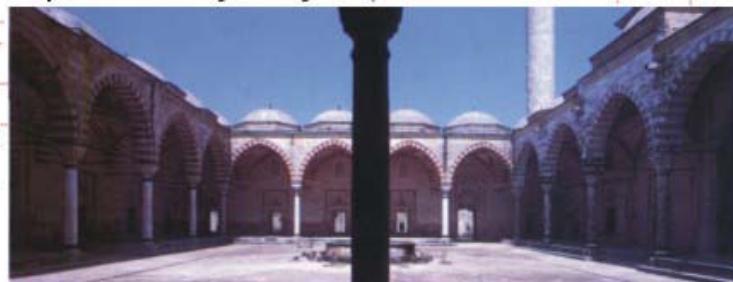
Turquia. Edirnê - Külliye de Selim II, 1568-73



Turquia. Edirnê
Mesquita Ütch Chereféli Djâmi, 1437-47

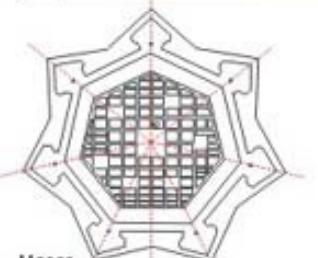


Turquia. Edirnê - Külliye de Bâyazid II, 1484-88

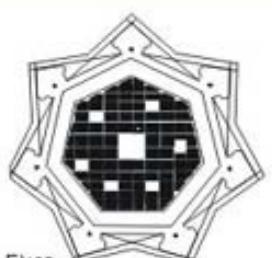


Categoria Espacial 02

Arquitetura Renascentista



Cidade Ideal Arq. Leon Battista Alberti



Cidade Ideal Arq. Leon Battista Alberti



Massa

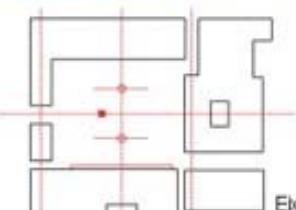


Ekos

Itália. Florença Galeria Uffizi, 1560-80



Cidade Ideal. Pintura. Museu do Vaticano, Roma

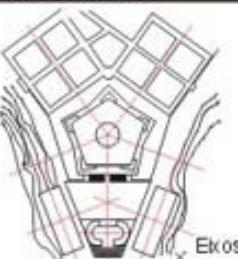


Massa

Itália. Florença Piazza Annunziata ---



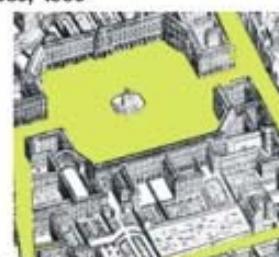
Arquitetura Maneirista



Ekos

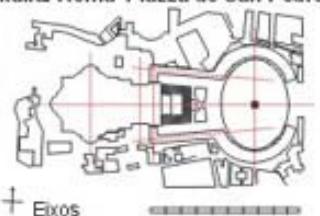
Massa

Itália. Caprarola
Palácio Farnese, 1559

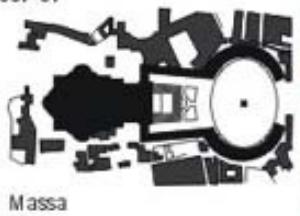


Arquitetura Barroca

Itália. Roma Piazza de San Pedro, 1657-67



Ekos



Massa



França. Paris - Place Vendôme, 1670-1720



Categoria Espacial 02

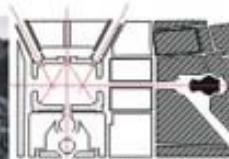
Arquitetura Barroca



França. Paris - Place Vauban, 1704-1720



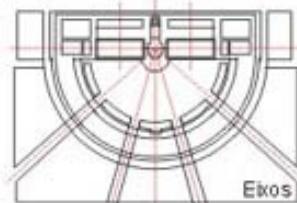
Austria. Viena - O Belvedere, 1714-22



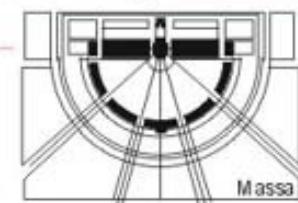
França. Paris Praça da Concórdia, 1755-75



Arquitetura no século XVIII - XIX - A Era da Ilustração



França. (Besançon) - Cidade de Chaux, 1775-79



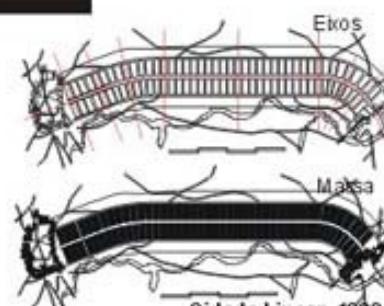
Arquitetura no século XVIII - XIX - Tratados e Intervenções



Cidade-Jardim, 1898
Ebenezer Howard



Espanha. Barcelona Intervenção de Ildefonso Cerdá, 1859

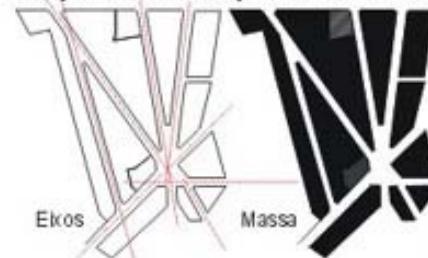


Cidade Linear, 1882
Arturo Soria e Malta

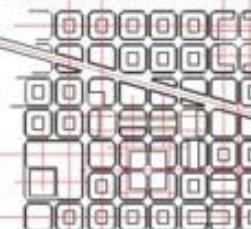
Familiário de Guisa, 1859-70



França. Paris Intervenções Haussmannianas, 1859-70



Paris. Vista aérea, 1996

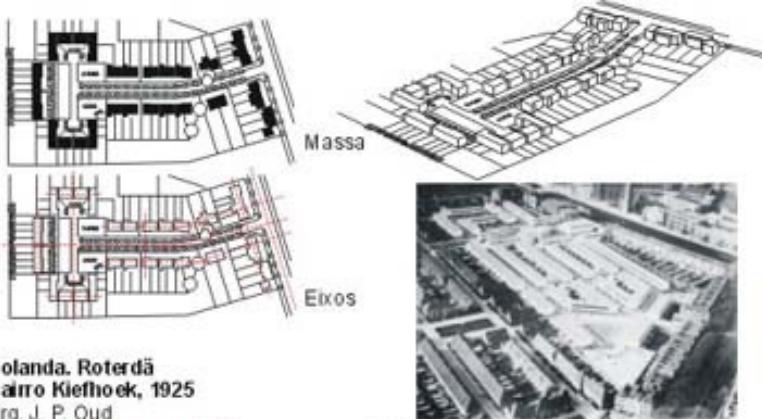
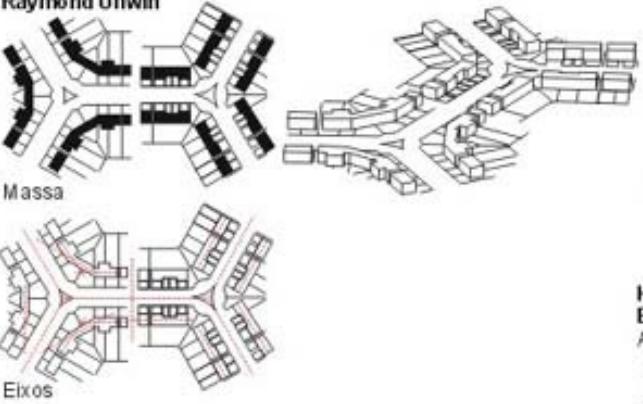


Ekos

Massa

Arquitetura no século XX - O Modelo Culturalista

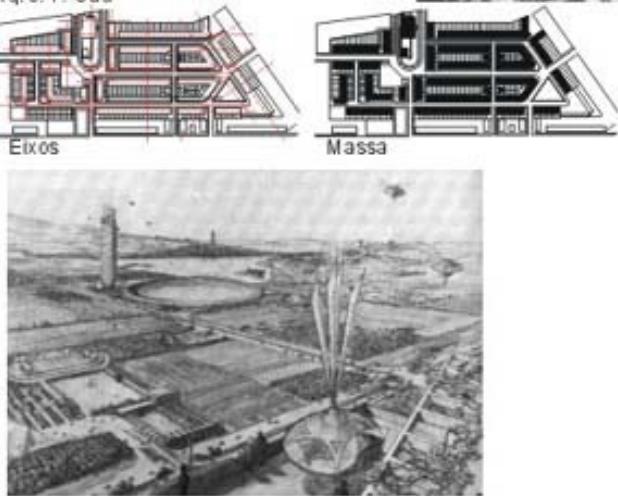
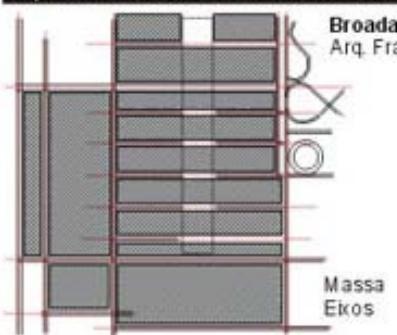
Town Planning in Practice, 1909
Raymond Unwin



Holanda. Roterdã
Bairro Kieftshoek, 1925
Arq. J. P. Oud

Arquitetura no século XX - O Modelo Culturalista

Broadacre City, 1934
Arq. Frank Lloyd Wright



Arquitetura no século XX - O Modelo Racionalista

França. Caen - Bairro de Hérouville, 1961
Arq. Candilis-Josic-Woods.

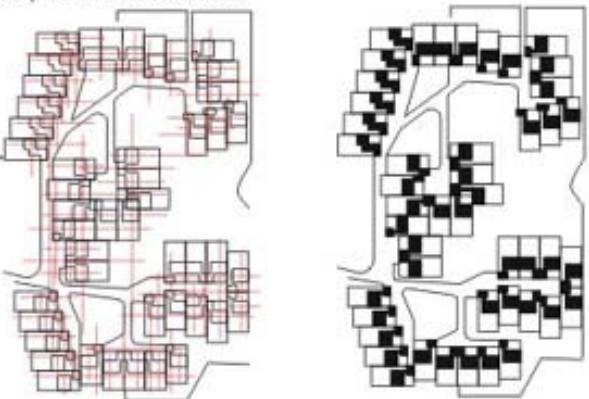
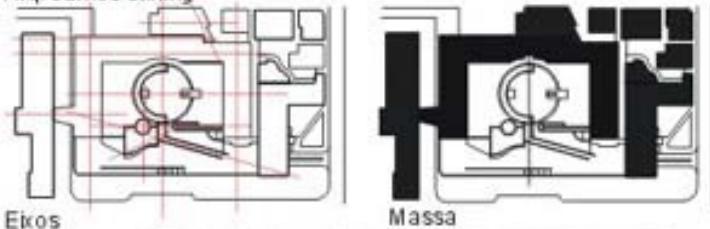


Foto Maquete. Área institucional

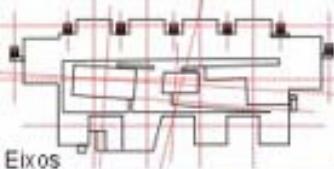
Arquitetura no século XX - Pós-modernismo

Alemanha. Stuttgart - Staatsgalerie de Stuttgart, 1977-83

Arq. James Stirling

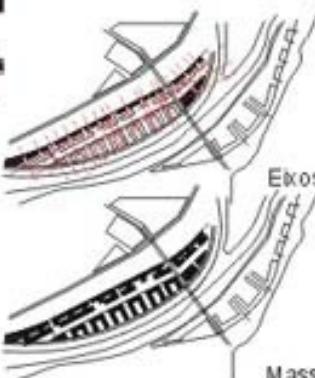


Arquitetura Contemporânea



França. Marne-La-Vallée - Escola de Arquitetura, 1994-96

Arq. Bernard Tschumi

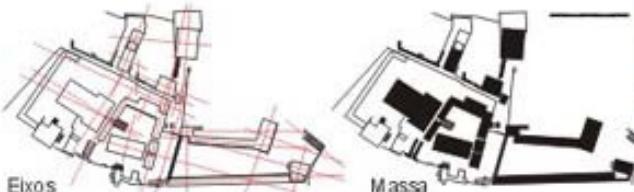


Massa França. Paris - Renault Master Plan, 1995

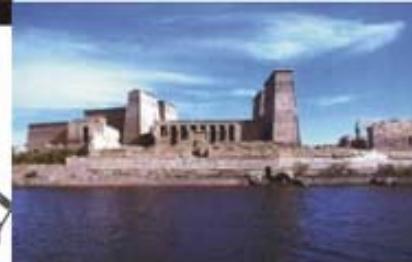
Categoría Espacial 03

Categoría Espacial 03

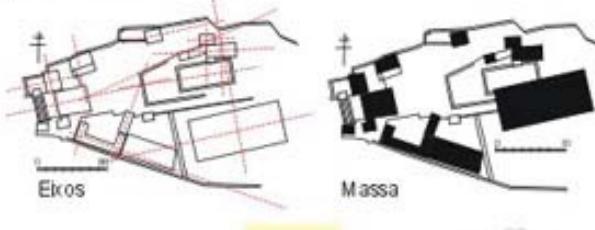
Arquitetura Egípcia



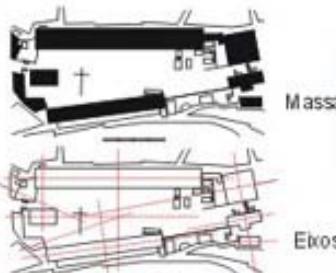
Eixos
Massa
Templo de Ísis Ilha de Philae, sec. IV a.C.



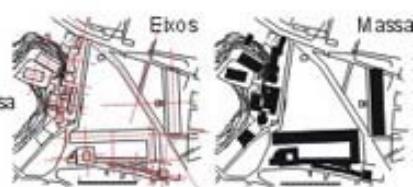
Arquitetura Grega



Eixos
Massa
Atenas - Acrópole, sec. IV a.C.



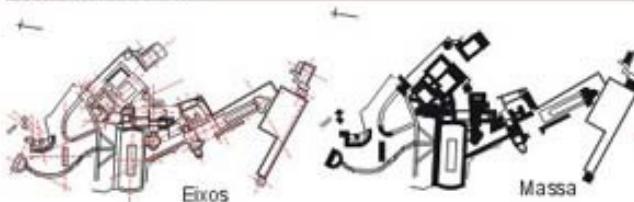
Massa
Eixos
Assos - Ágora, sec. II a.C.



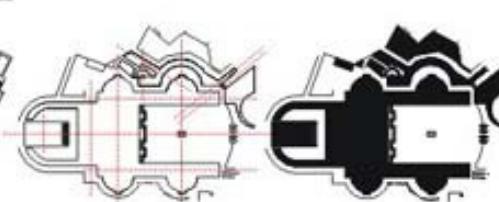
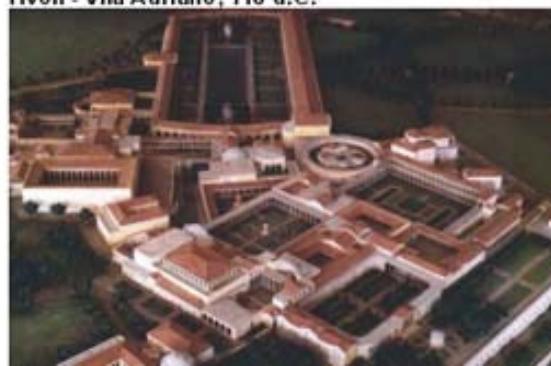
Atenas - Ágora, 100 a.C.



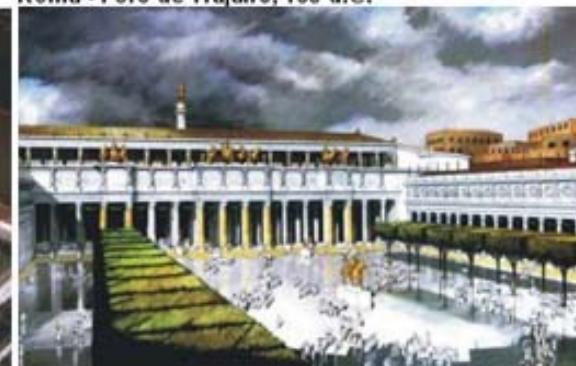
Arquitetura Romana



Eixos
Massa
Tivoli - Vila Adriano, 118 d.C.

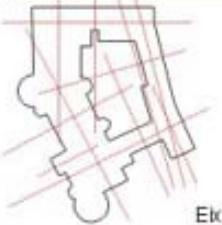


Roma - Fórum de Trajano, 100 d.C.



Categoria Espacial 03

Arquitetura Gótica



Eixos

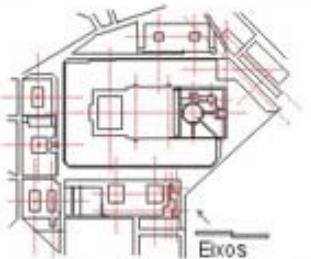


Massa



França - Bourges / Casa Jacques Coeur, 1443-51

Arquitetura Turca



Eixos



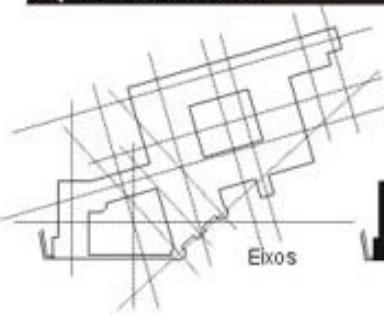
Massa

Turquia. Stambul - Külliye de Solimão, 1550-66

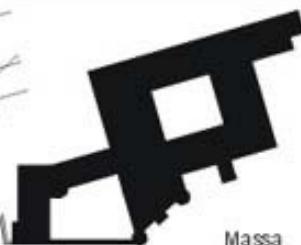


Pátio central da mesquita

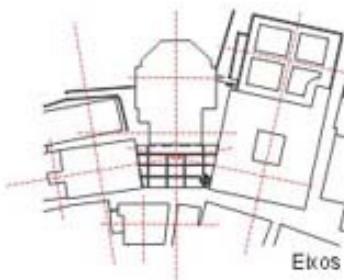
Arquitetura Renascentista



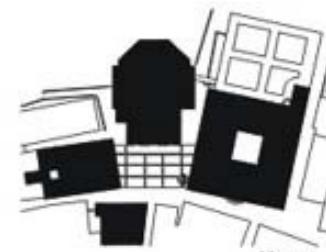
Eixos



Massa



Eixos



Massa

Itália. Urbino. Palazzo Ducale, 1450

Novo Palazzo Ducale. Pátio interno.



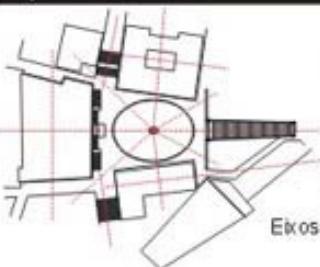
Itália. Pienza. Praça principal, 1459-62

Piazza Pienza. Vista desde a loggia do Palazzo Comunale

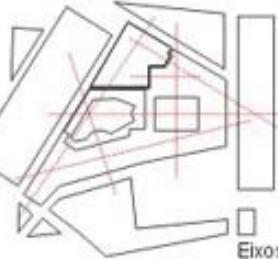
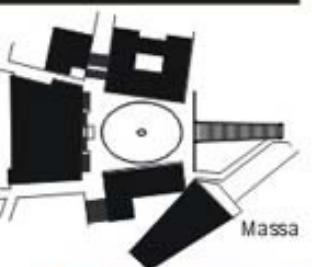


Categoria Espacial 03

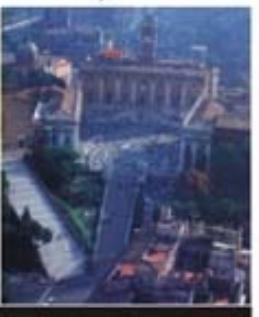
Arquitetura Maneirista



Itália, Roma, Praça do Capitólio, 1544
Michelangelo



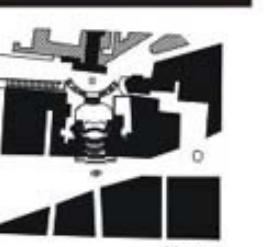
Itália, Roma - Palácio Borghese,
1586



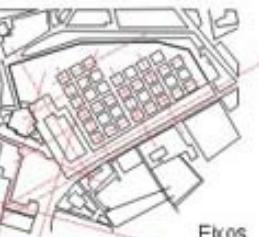
Arquitetura Barroca



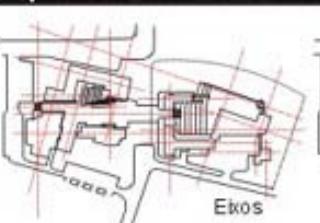
Itália, Roma Piazza di Spagna,
1721-25



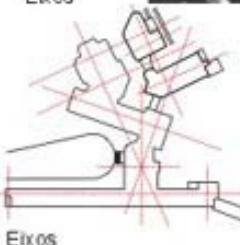
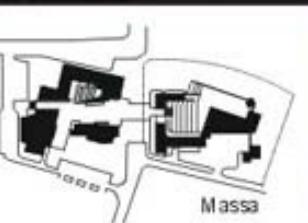
Itália, Roma - Quirinal, 1748
Quirinal, Piazza di Monte Cavallo



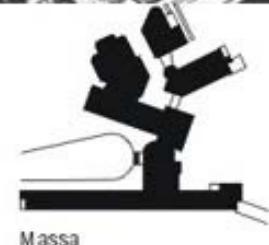
Arquitetura no século XX - O Modelo Culturalista



Finlândia, Seinajoki - Centro Urbano, 1958
Arq. Alvar Aalto

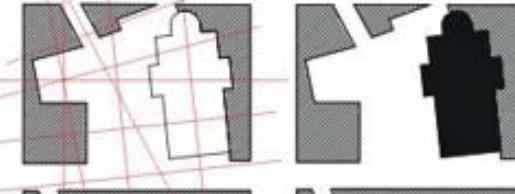
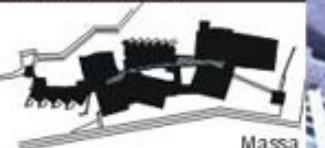
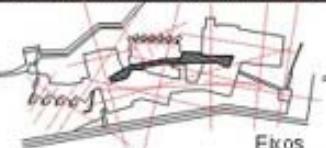


Finlândia, Paimio - Sanatório para tuberculosos, 1929-1933
Arq. Alvar Aalto



Categoria Espacial 03

Arquitetura no século XX - O Modelo Culturalista (cont.)

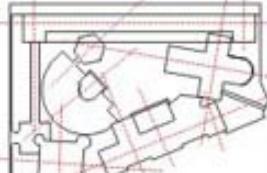
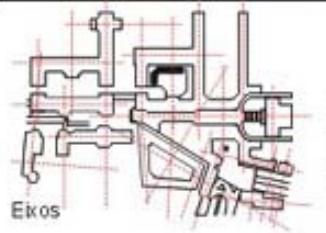


Alemanha. Darmstadt - Darmstadt School, 1951

Arq. Hans Sharoun

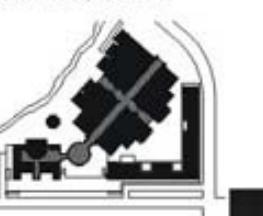
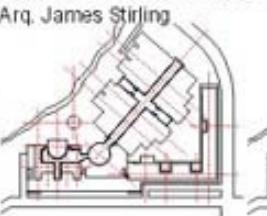
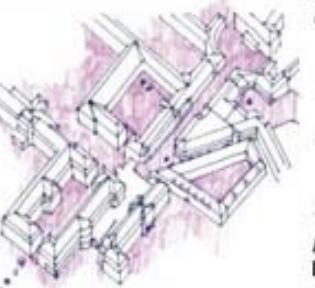
Itália. Palermo - Praças Europeias, sec. XIX
Estudos Camillo Sitte

Arquitetura no século XX - Pós-modernismo

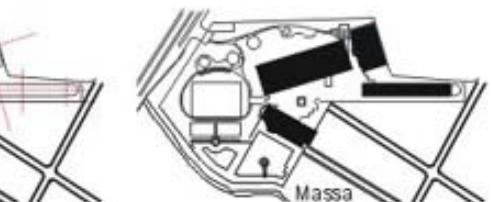
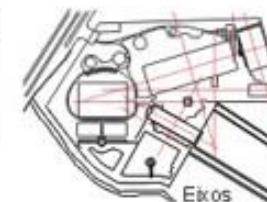
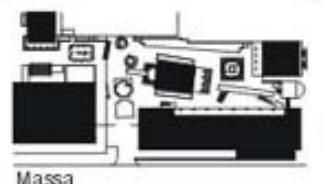
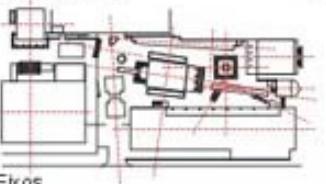


Alemanha - Charlottenplatz, 1972

Arq. Rob Krier

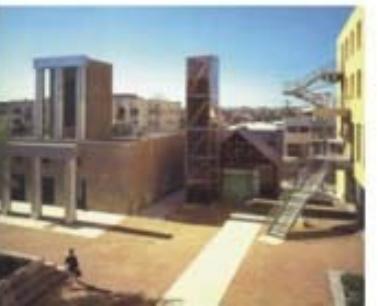


Arq. Aldo Rossi



E.U.A.. Los Angeles - Faculdade de Direito Loyola, 1981-84

Arq. Frank Ghery



Brasil. Nova Iguaçu-RJ
Sesc Nova Iguaçu, 1985

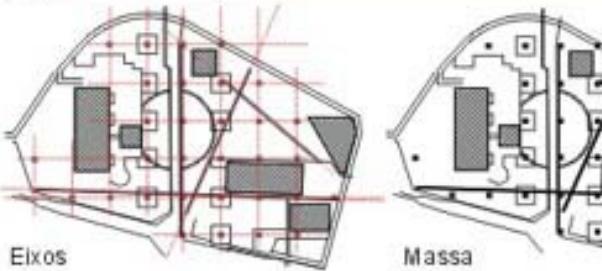
Arq. Bruno Padovano

Arq. Hector Vigliecca



Categoria Espacial 03

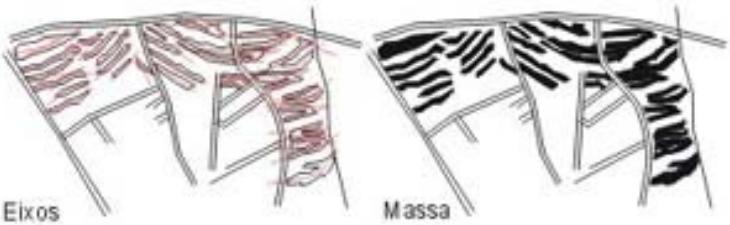
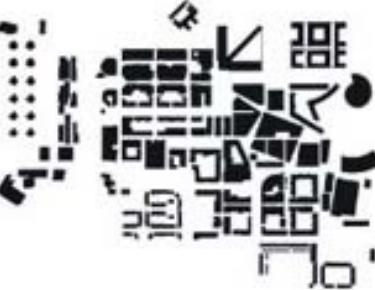
Arquitetura Contemporânea



França. Paris
Parc de la Villette, 1982
Arq. Bernard Tschumi



Holanda. Almere
Reordenação Urbana, 1994
Arq. Rem Koolhaas



Eixos

Massa



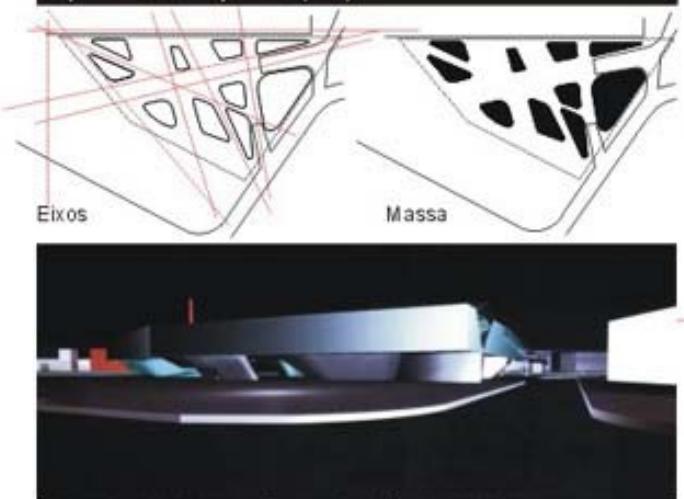
Alemanha. Düsseldorf
Bairro Derendorf Norte,
1992
Arq. Peter Eisenman



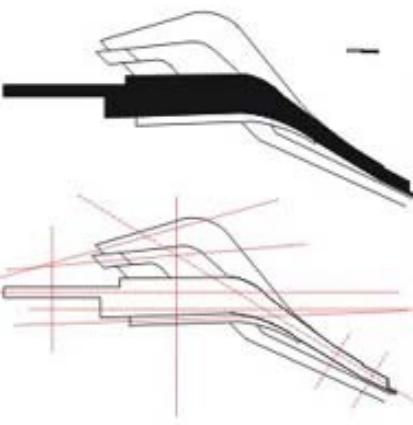
Alemanha. Frankfurt
Parque Rebstock, 1992
Arq. Peter Eisenman

Categoria Espacial 03

Arquitetura Contemporânea (cont.)



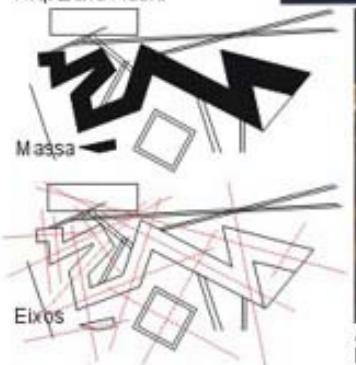
Alemanha. Wolfsburg - Centro da Ciéncia, 2000
Arq. Zaha Hadid



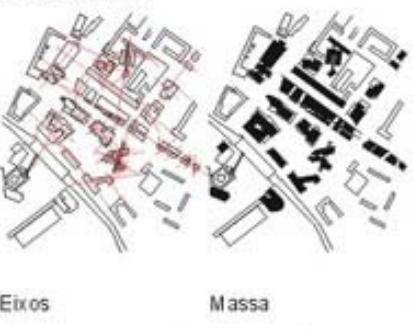
Alemanha. Well am Rhein - Lfone / LANDESGARTENCHAU, 1997
Arq. Zaha Hadid



Reino Unido. País de Gales
Ópera Cardiff, 1994
Arq. Zaha Hadid



Alemanha. Berlim
Museu Judáico, 1989-92
Arq. Daniel Libeskind



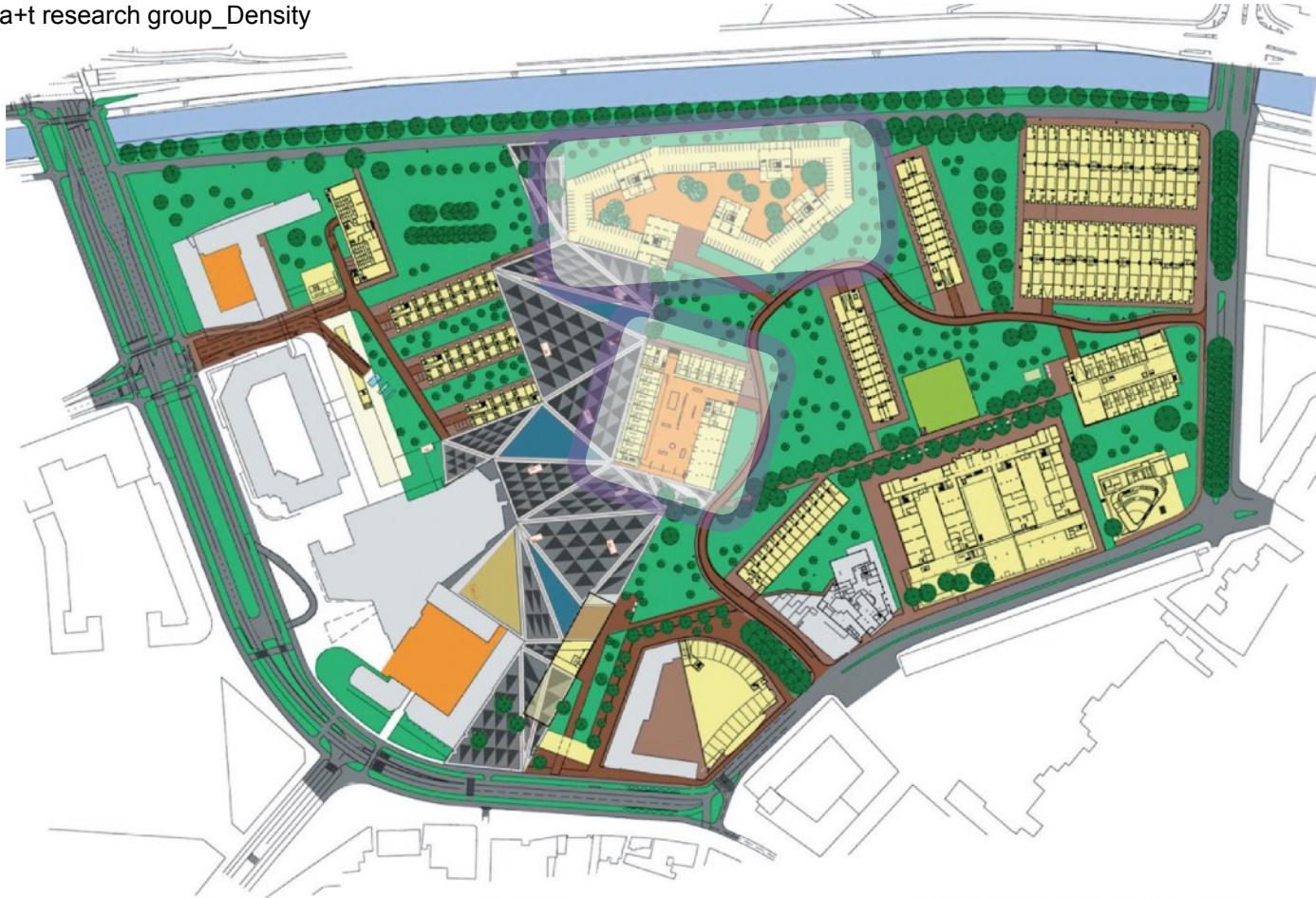
Alemanha. Berlim
Alexanderplatz, 1993
Arq. Daniel Libeskind



Alemanha. Berlim
Landsberger Allee/Rhinstrasse, 1995
Arq. Daniel Libeskind

Categoría Espacial 01

Leitura Urbana Estudos de Caso



Plano urbano: OMA
Año_1996
Antiga área militar
Novo programa habitacional

Plan general de ordenación
Master plan
1:5000

PROGRAMA:
SUPERFICIE: 13 HA
800 VIVIENDAS: (120.000 M²)
DENSIDAD: 62 VIVIENDAS POR HECTÁREA
APARCAMIENTO SUBTERRÁNEO: 37.500 M²
OTROS USOS: 20.000 M²

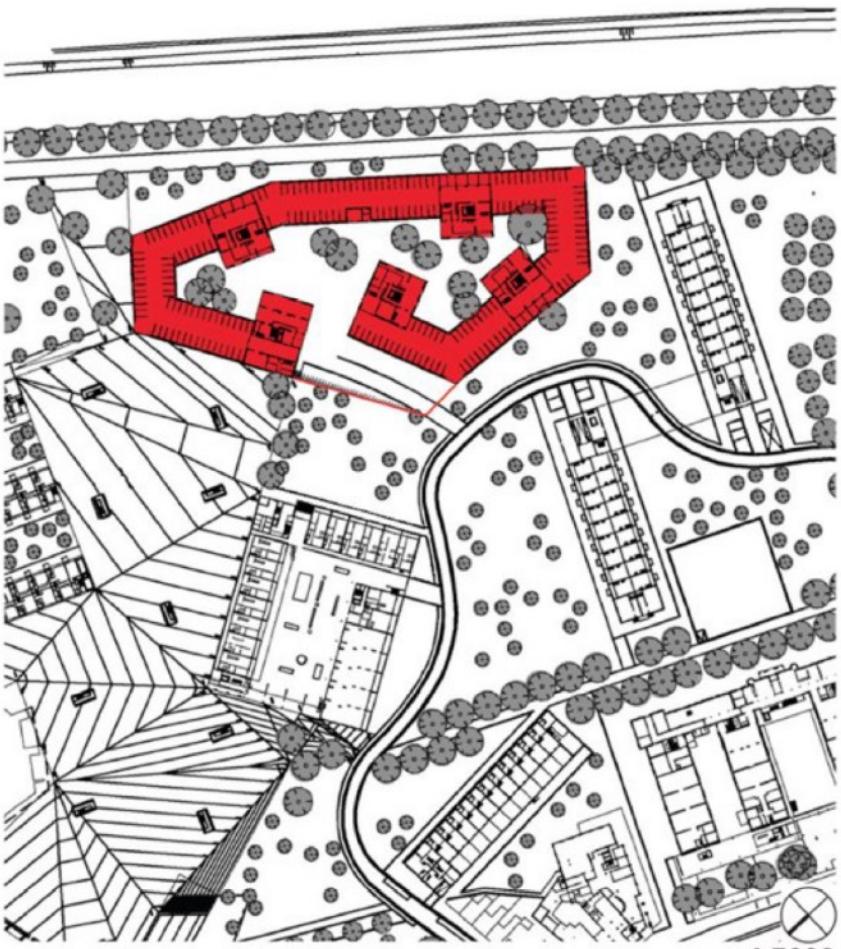
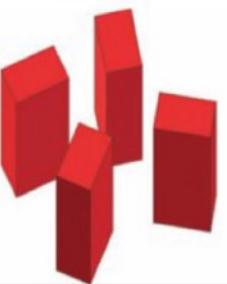
- 1 OMA: APARCAMIENTO CHASSÉ.
APARCAMIENTO PÚBLICO CON 670 PLAZAS. DA SERVICIO AL TEATRO, A LAS OFICINAS MUNICIPALES Y AL CENTRO DE LA CIUDAD.
- 2 XAVEER DE GEYTER: VIVIENDAS EN EL PARQUE. MEDIO ANILLO SEMIHUNDIDO QUE HACE DE ZÓCALO PARA CINCO TORRES DE VIVIENDAS.
- 3 HANS KOLLHOF: EL PALACIO. MANZANA DE VIVIENDAS EN LA PLAZA DEL MUSEO.
- 4 VAN SAMBEEK AND VAN VEEN: VILLAS CON PATIO.
- 5 DUINKER VAN DER TORRE: VIVIENDAS-INVERNADERO.
- 6 EEA (ERICK VAN EGERAAT): PEQUEÑA SALA DE CONCIERTOS.
- 7 PASCAL GROSFELD: VIVIENDAS Y OFICINAS DEL MUSEO Y REHABILITACIÓN DEL PROPIO MUSEO.

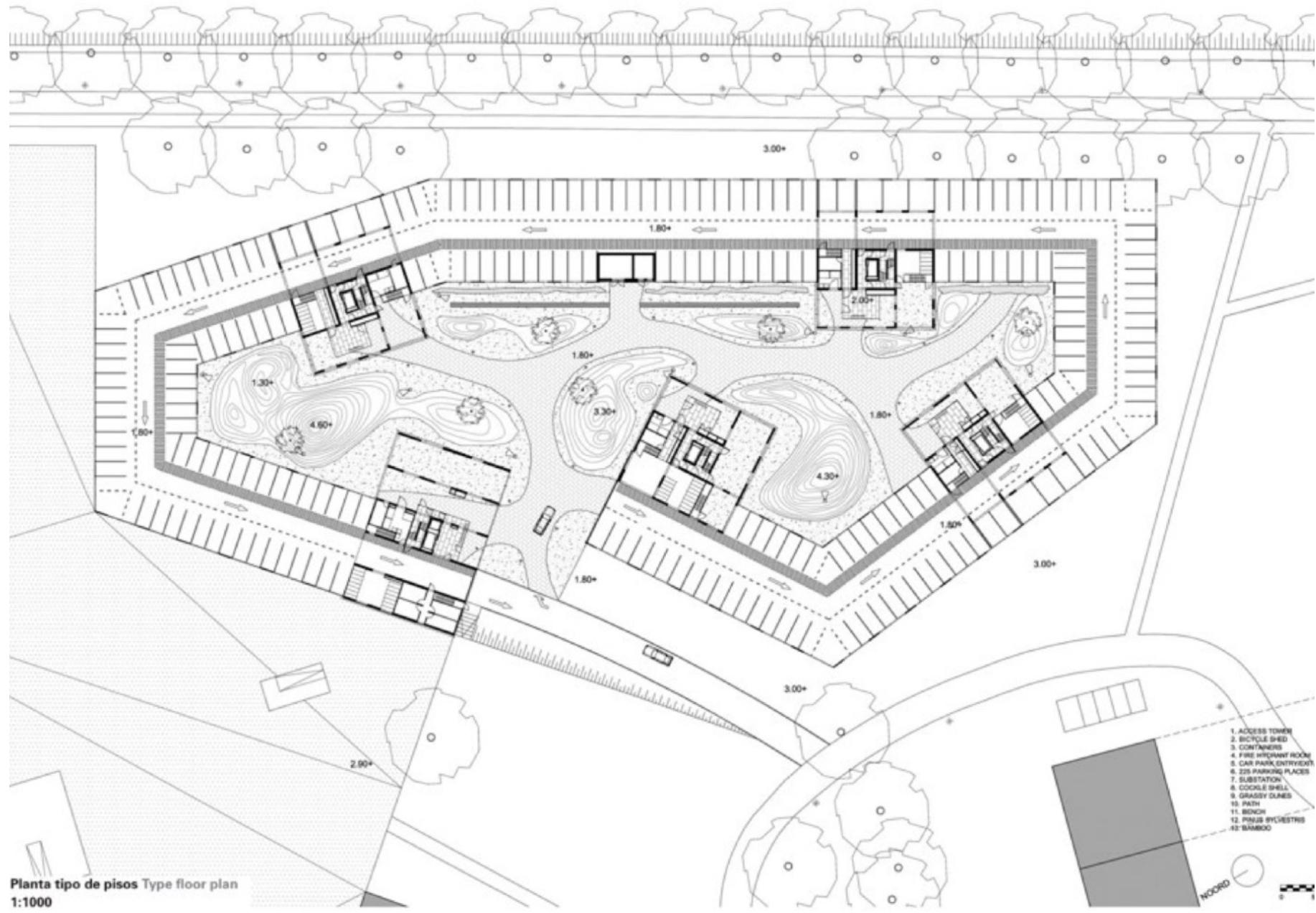
- 8 VAN SAMBEEK AND VAN VEEN: VIVIENDAS EN NONNENVELD.
- 9 FRITS HAVERMAN: AMPLIACIÓN DEL HOTEL KEIJSER.
- 10 STURM ARCHITECTEN: DE BEELDENAAIR. TIENDAS, SUPERMERCADOS Y VIVIENDAS.
- 11 OMA: EDIFICIO DE VIVIENDAS CARRÉ. VARIOS VOLUMENES ALREDEDOR DE UN JARDÍN INTERIOR.
- 12 KRAAIJVANGER URBIS ARCHITECTEN: HOLLAND CASINO EN LA KLOOSTERKAZERNE.
- 13 THEO VAN ESCH: VIVIENDAS DEL TEATRO. TRES MANZANAS CON VIVIENDAS ADOSADAS.
- 14 KUIPER COMPAGNONS: VIVIENDAS EN EL CANAL.
- 15 KRAAIJVANGER URBIS ARCHITECTEN: HOTEL.
- 16 CLAUS EN KAAN: TERCERAS OFICINAS MUNICIPALES. EL EDIFICIO ESTÁ SUSPENDIDO PARA MANTENER LAS VISTAS SOBRE EL CHASSÉ TERRAIN.
- 17 WEST 8 LANDSCAPE ARCHITECTS: PAISAJISMO.
- 18 HERMAN HERTZBERGER. TEATRO CHASSÉ. TERMINADO CON ANTERIORIDAD AL PLAN GENERAL DEL CHASSÉ TERRAIN.



Conjunto Habitacional_Xaveer de Geyter_Breda_Holanda.2001

Conceitos relevantes: Percurso Caminhar **Estaticidade** Dinamismo Assimetria **Simetria** Percepção ativa Sobreposição Conexão





Planta tipo de pisos Type floor plan
1:1000

a+t research group_This is Hybrid

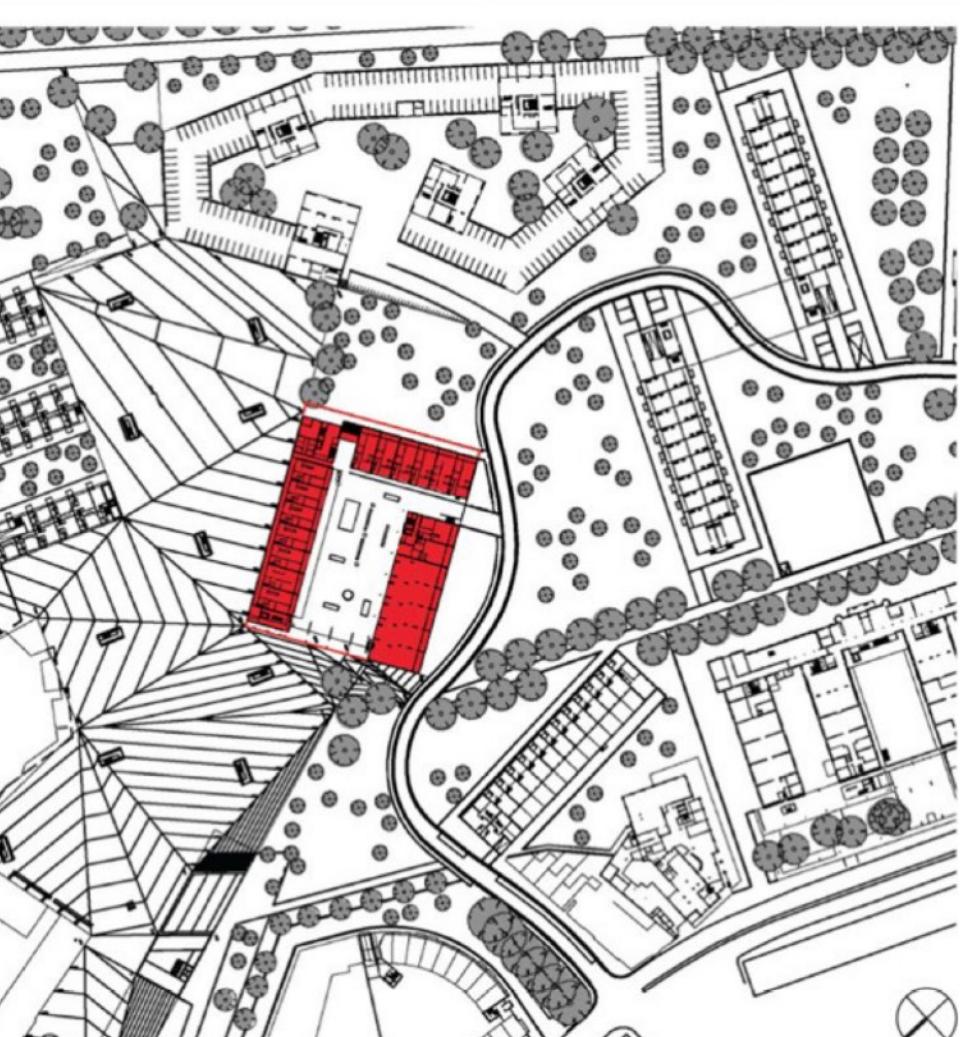
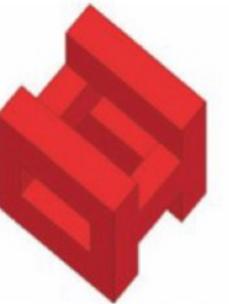




Categoría Espacial 02

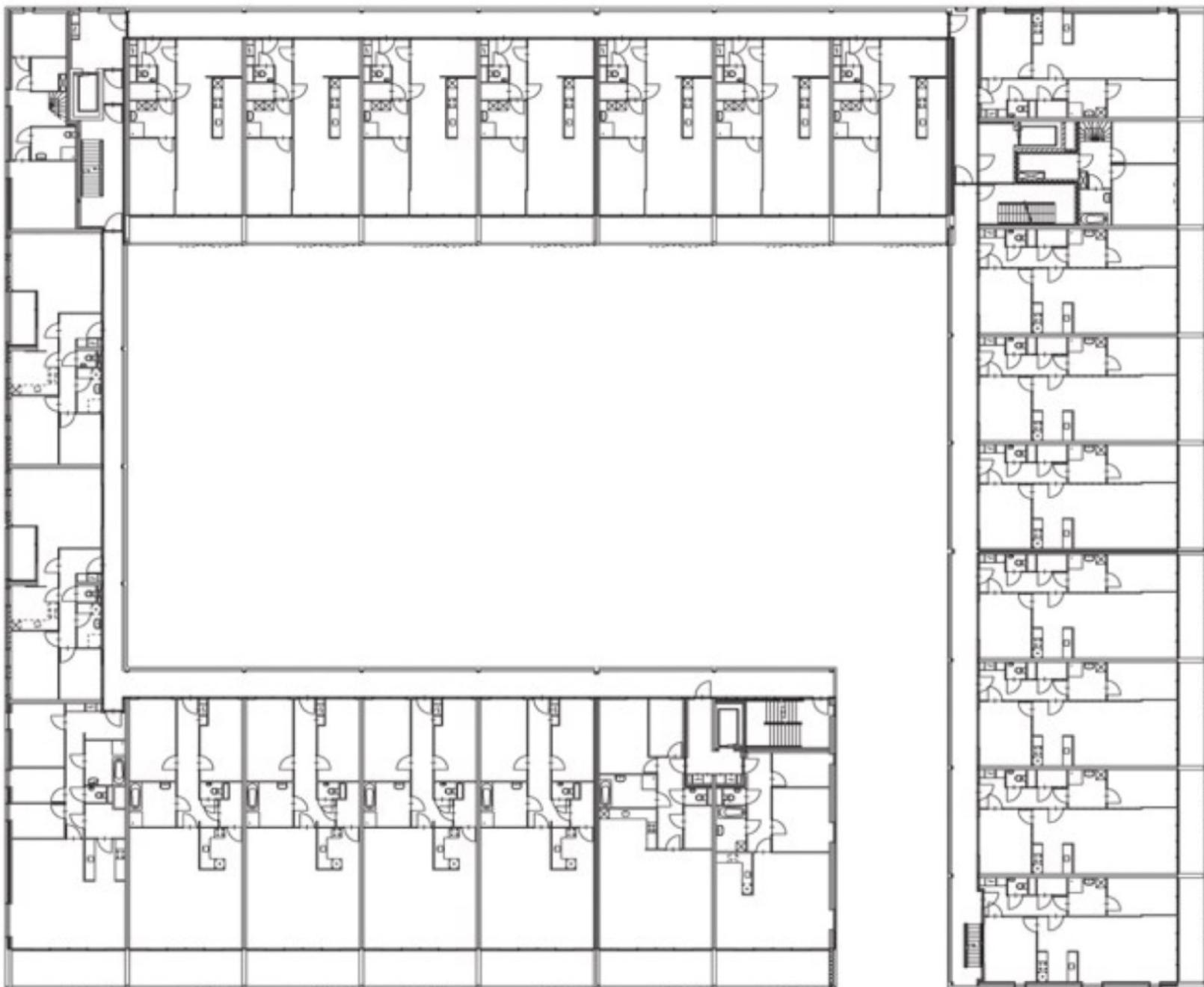
Leitura Urbana Estudos de Caso

Habitação_OMA_Breda_Holanda.2002





Planta segunda y tercera Second and third floor plan 1:500







a+t research group_This is Hybrid



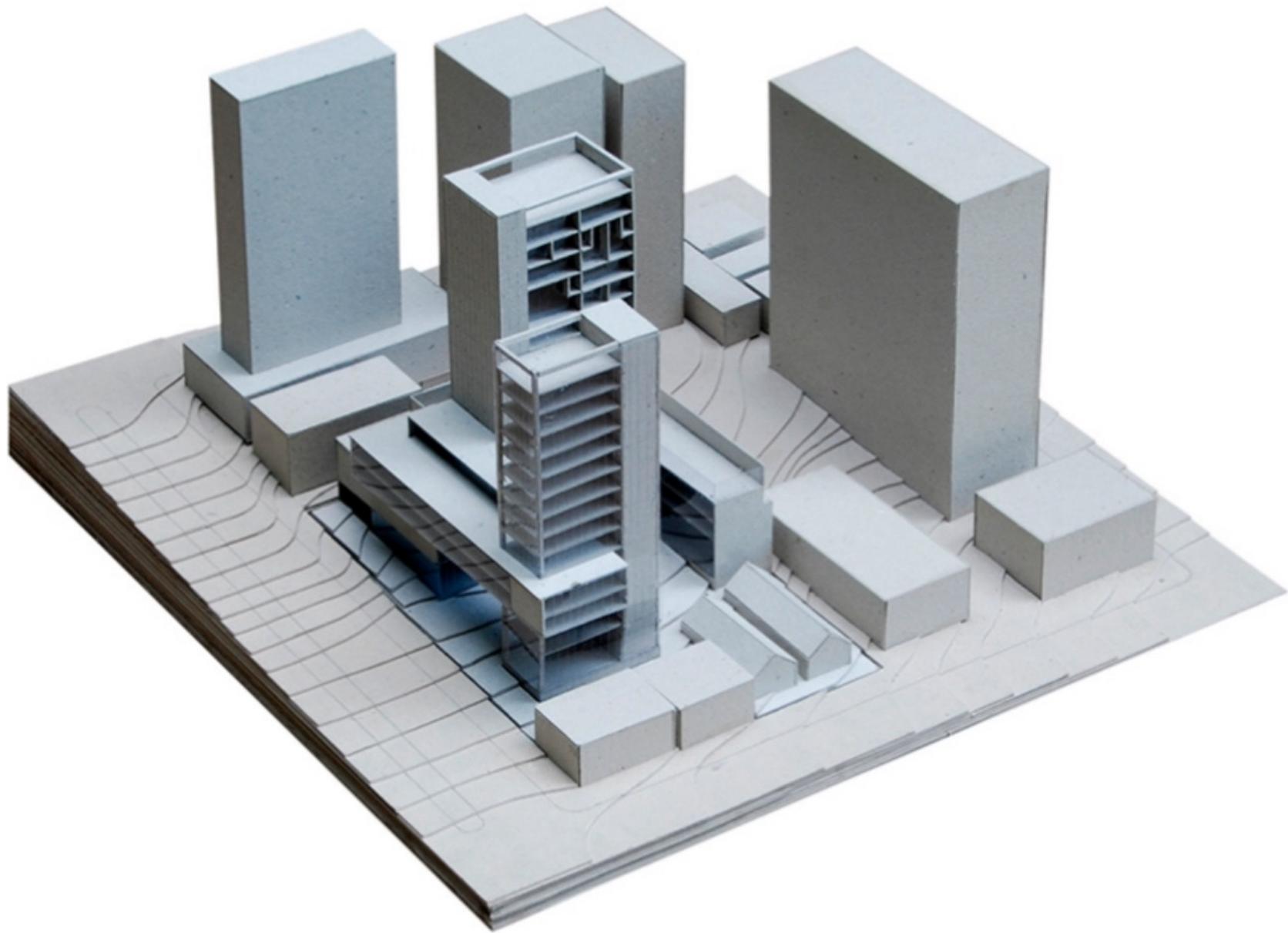
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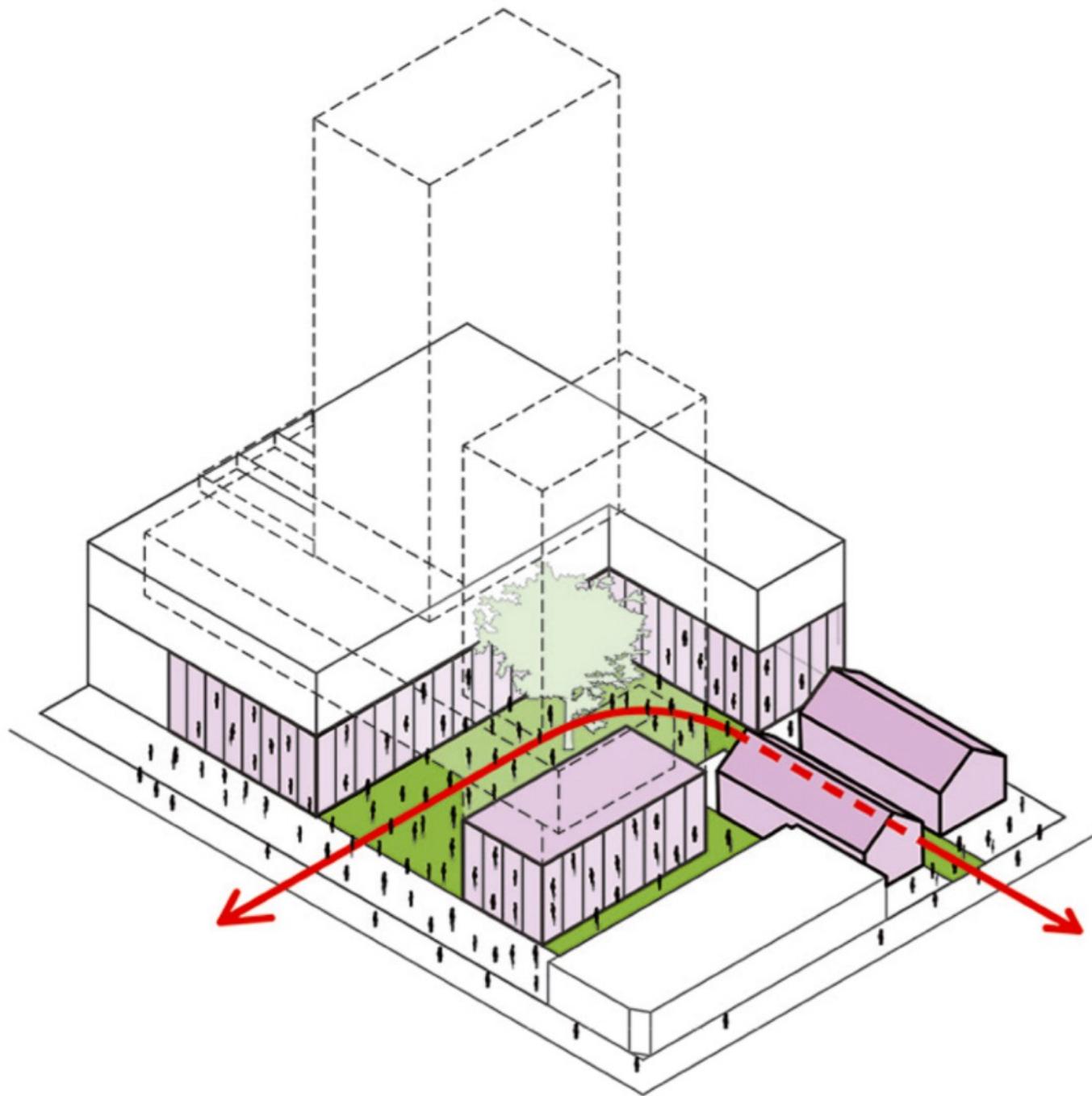
www.arcoweb.com.br

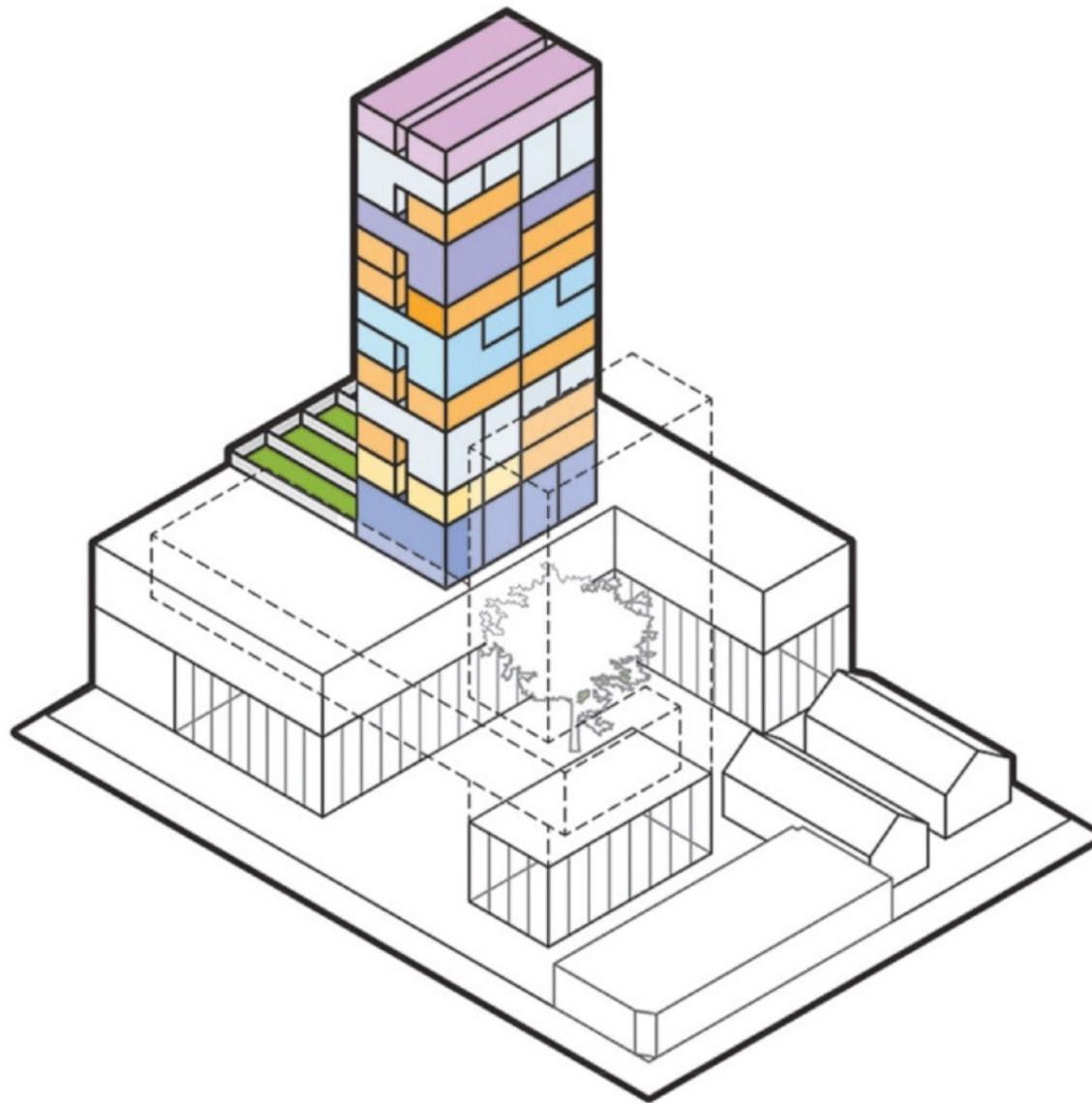


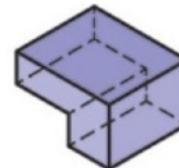
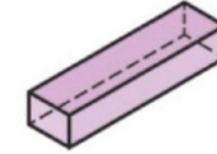
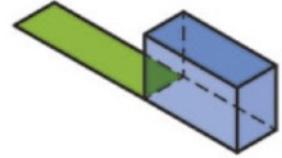
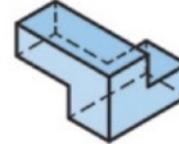
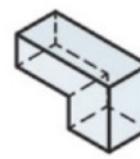
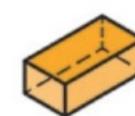
BCMF Arquitetos: Edifício de uso misto, Belo Horizonte, MG

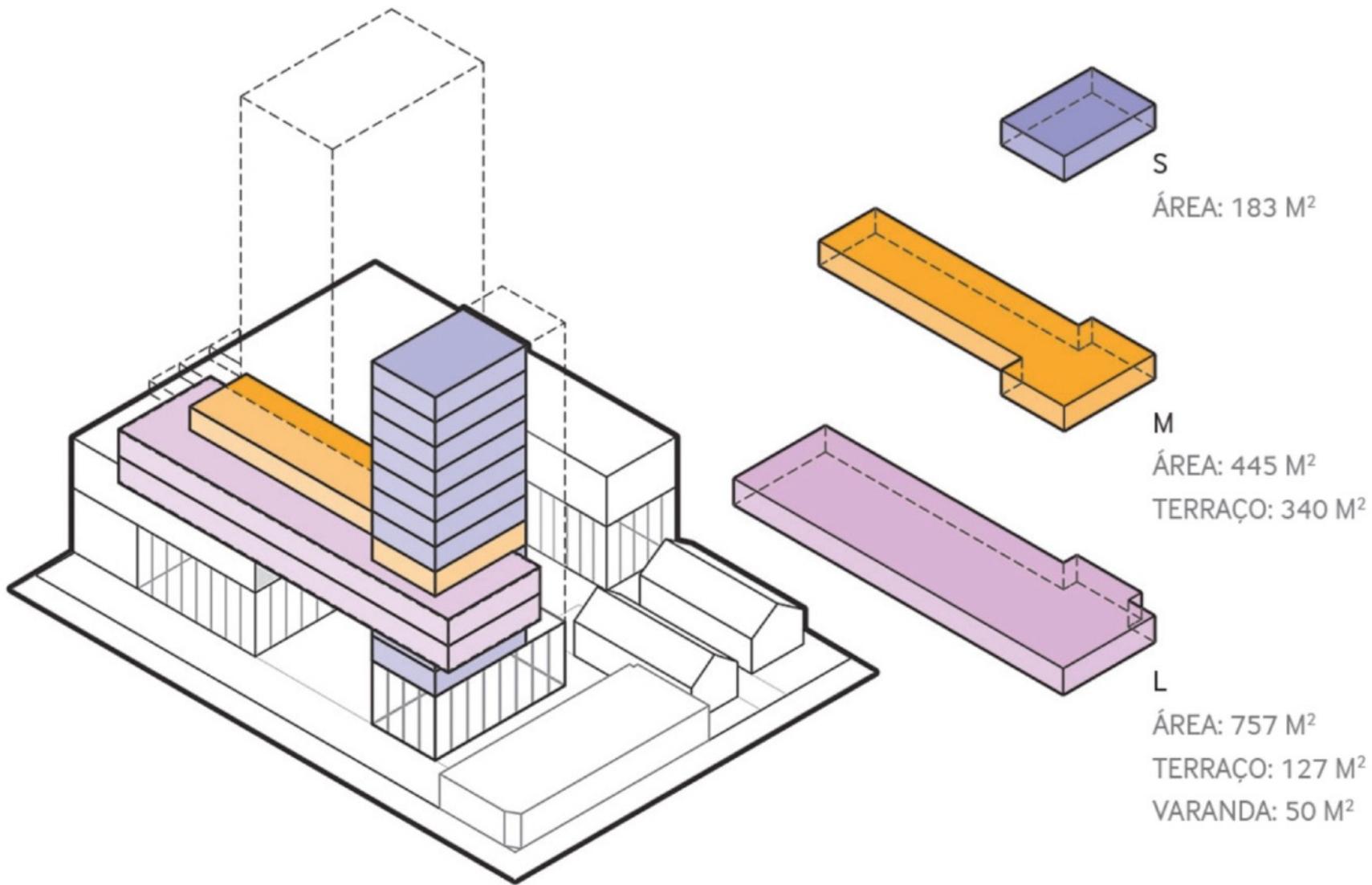
ARQUITETURA QUE REQUALIFICA A CIDADE







| | | |
|---|------------|--------------------------|
|  | XL | ÁREA: 140 M ² |
|  | L | ÁREA: 124 M ² |
|  | MLP | ÁREA: 126 M ² |
|  | ML | ÁREA: 95 M ² |
|  | M | ÁREA: 75 M ² |
|  | S | ÁREA: 64 M ² |
|  | XS | ÁREA: 30 M ² |









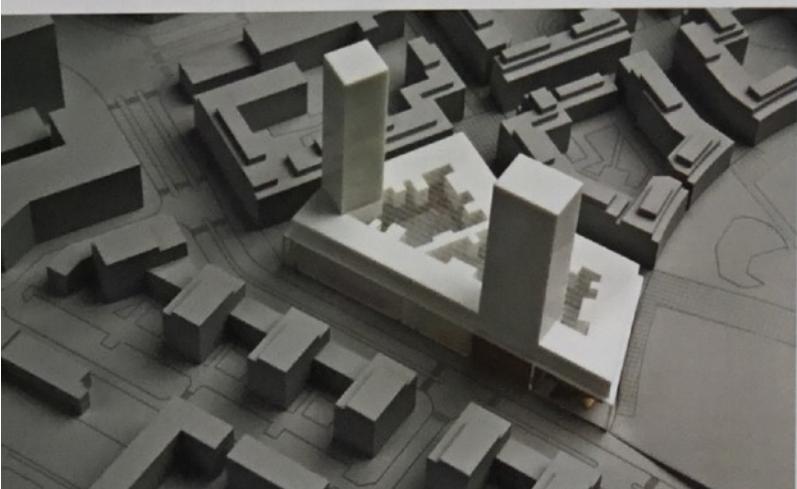
Categoría Espacial 03

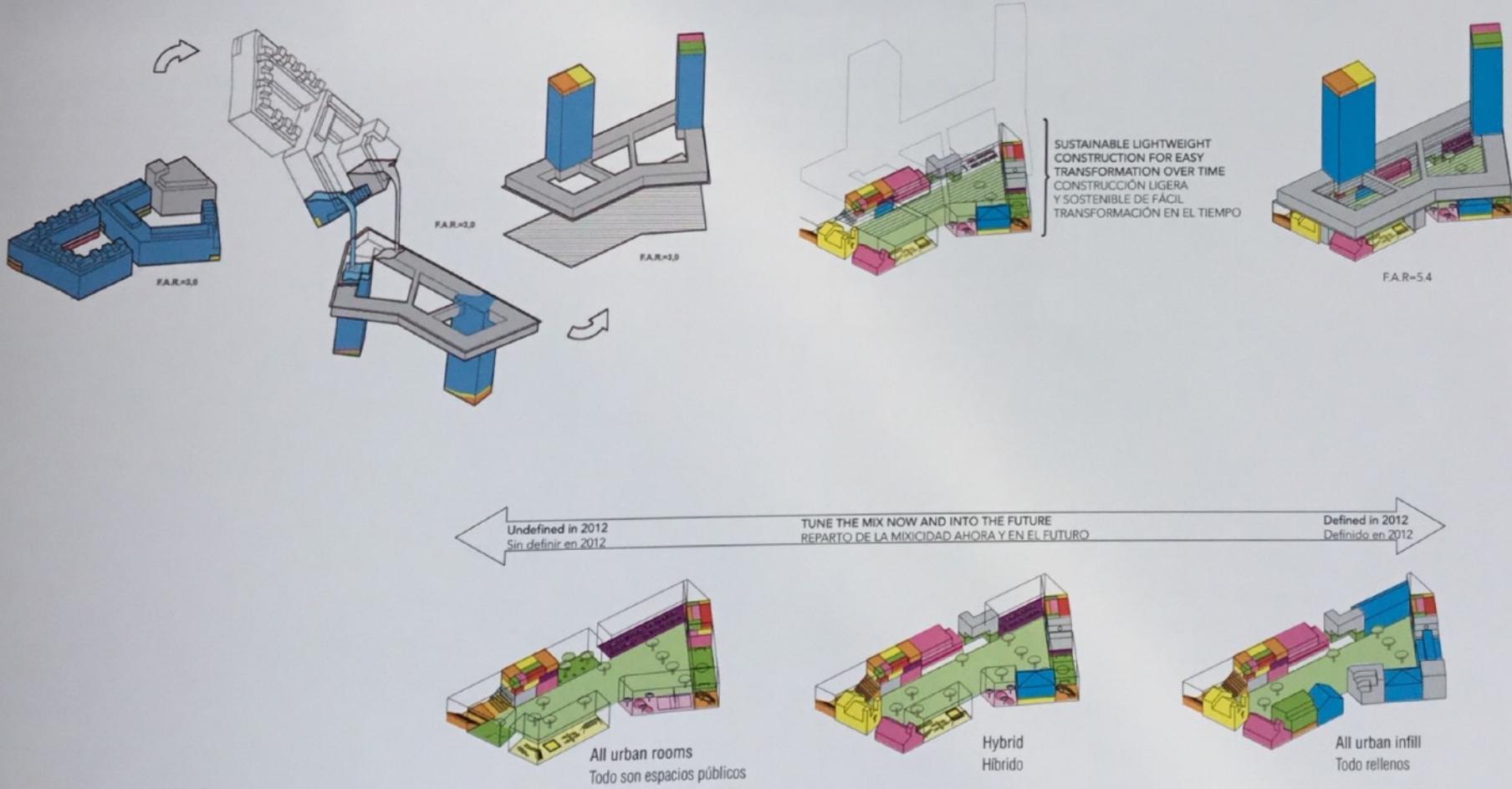
Leitura Urbana Estudos de Caso

Conceitos relevantes: **Percorso Caminhar** **Estaticidade** **Dinamismo** **Assimetria** **Simetria** **Percepção ativa** **Sobreposição** **Conexão**

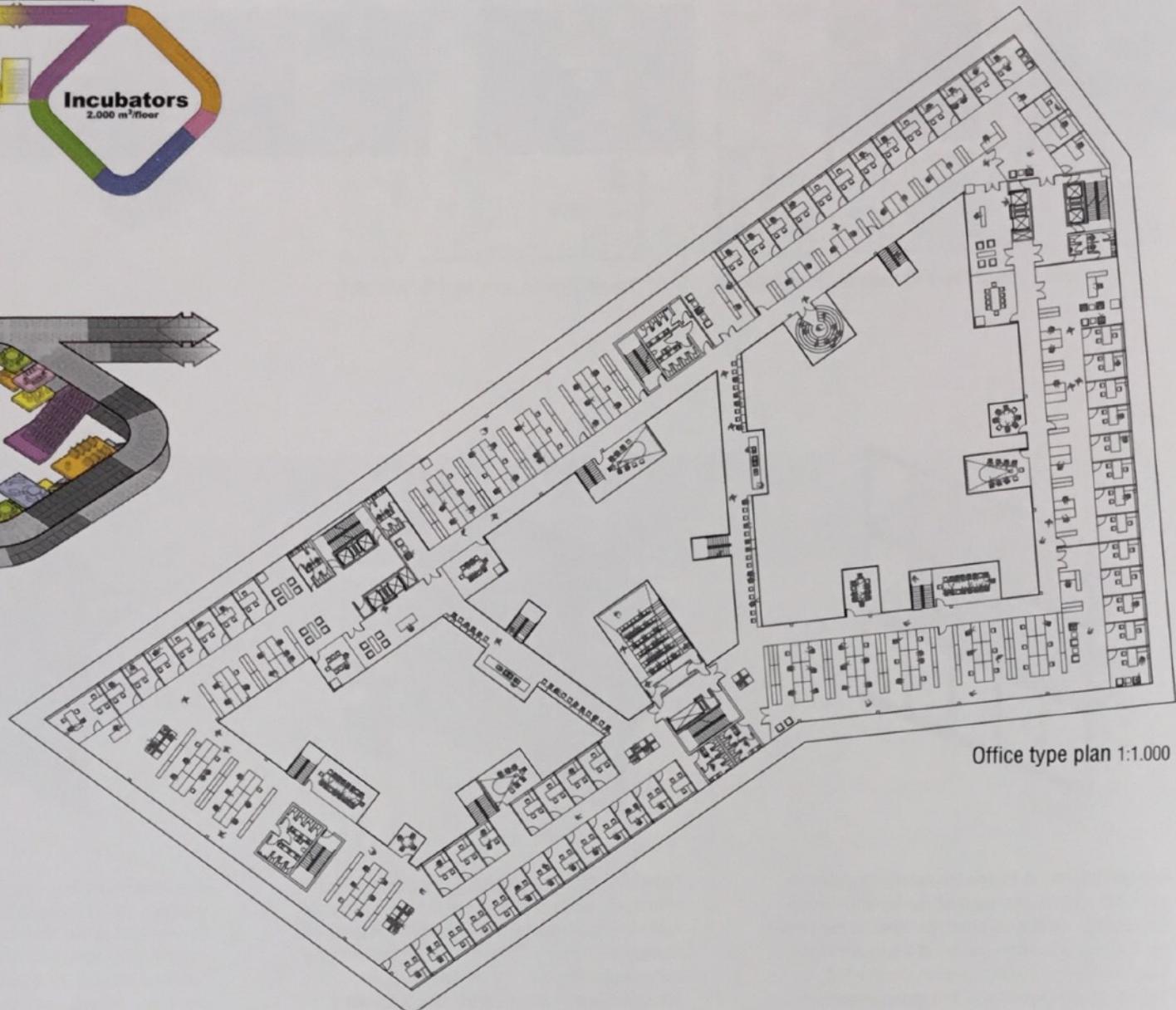
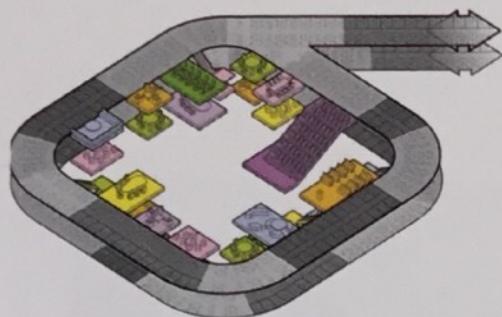


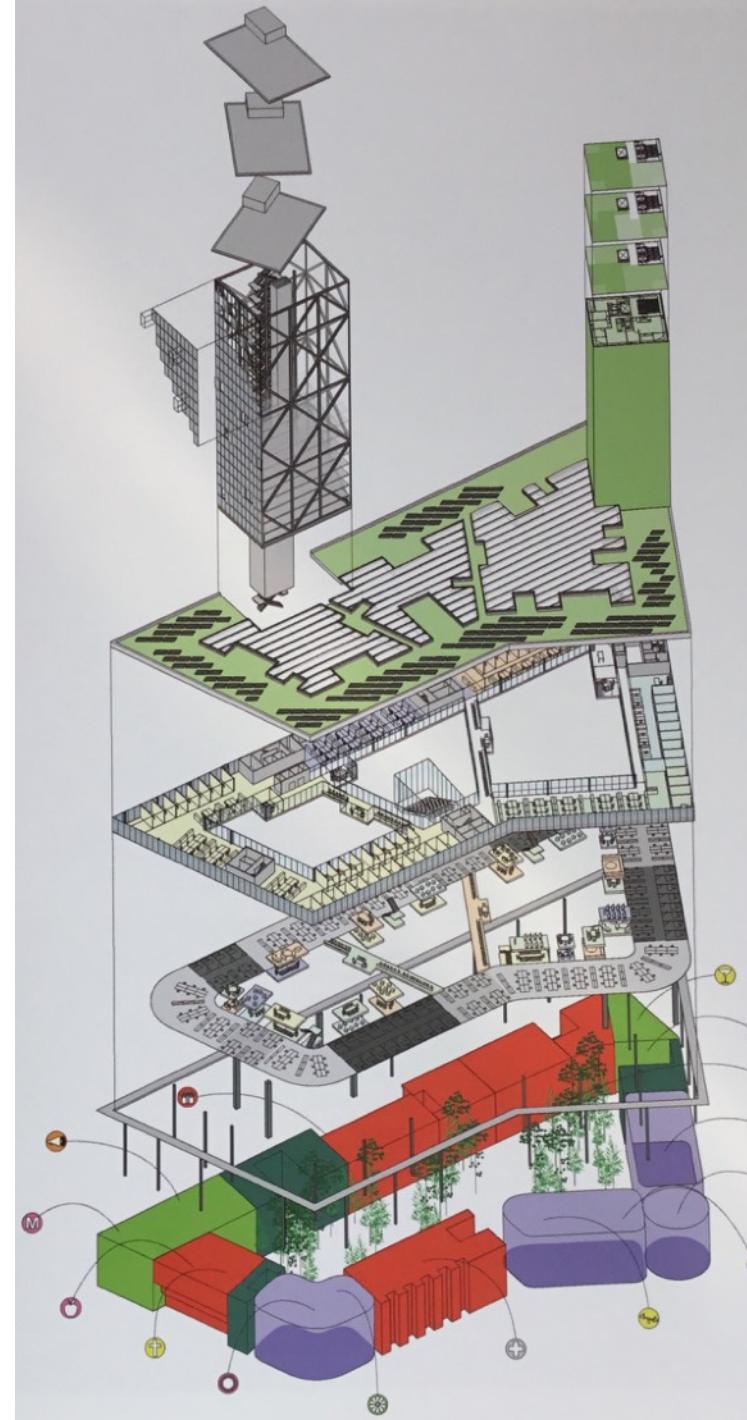
a+t research group_This is Hybrid











Conceitos relevantes: **Percorso Caminhar** **Estaticidade** **Dinamismo** **Assimetria** **Simetria** **Percepção ativa** **Sobreposição** **Conexão**

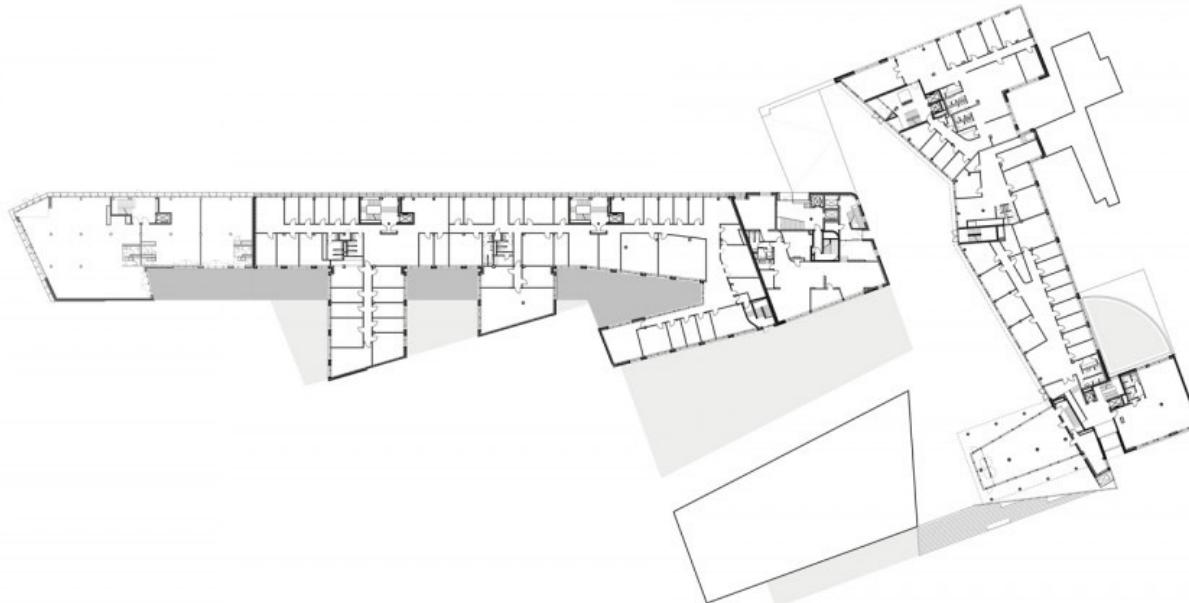




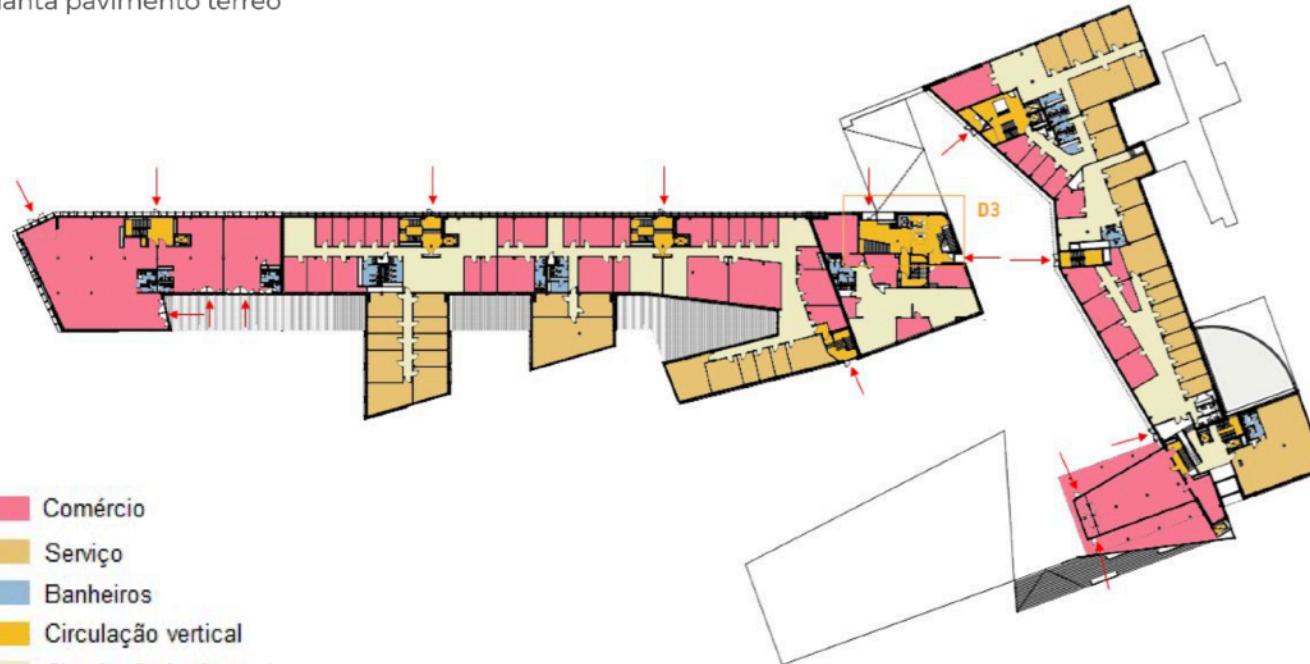
<https://bolles-wilson.com>







Planta pavimento térreo



- Comércio
- Serviço
- Banheiros
- Circulação vertical
- Circulação horizontal
- Acessos aos prédios











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