ETH Studio Basel Contemporary City Institute Nadine Jaberg, Remo Reichmuth

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Autumn Semester 2013

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I. METROPOLITAN CORE OLD AND NEW CENTRALITIES

AN OUTGROWN PLAN

The Idea of a New Capital Expansion and Verticalization

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The Composed Quadra Urban Equipment for Diverse Activities Large Scale: Street Event Linchpin of Movement Remaining only a Passage Way?

SOUTH: A NEW LIFE STYLE

The Fragmented Quadra Controlled Environment Large Scale: Leisure Enclave Shift of Qualities?

'CENTROVIVO'

Official Strategies Renewal or Saving the Memory?

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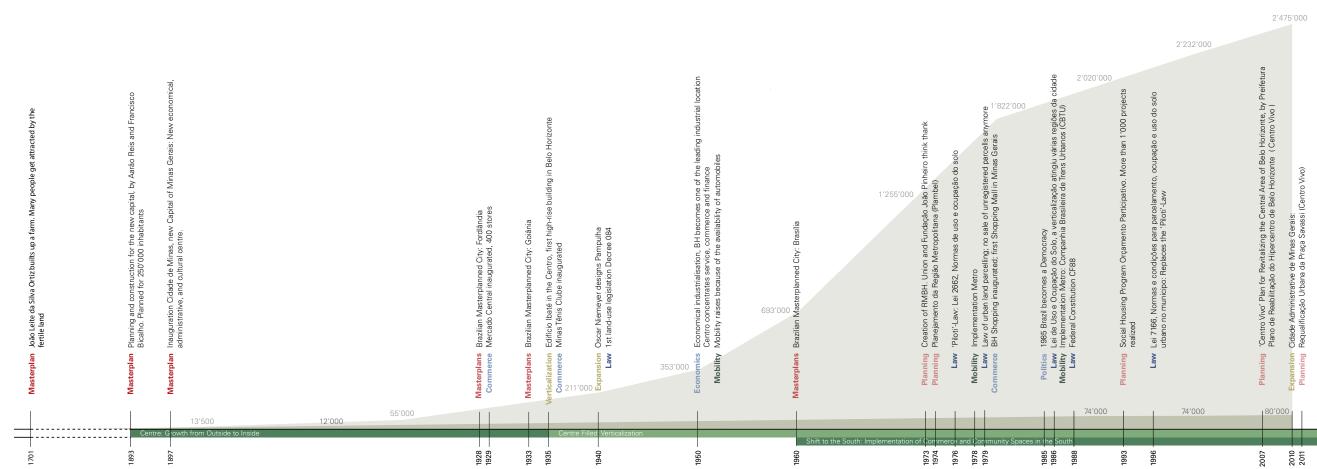




AN OUTGROWN PLAN

In 1887 Brazil became a Republic and with that the search for a new capital for Minas Gerais began. The first masterplaned city of Brazil should be a symbol of Modernity to break away from the memories of colonialisation and slavery. 1893 the farm village Curral del Rey was chosen to become the new economical, administrative and cultural center as a replacement for Ouro Preto. The location was chosen due to good connectivity to other capitals as well as climatic and topographic conditions.





Demography

- Belo Horizonte
- Central Area

Masterplan vs. Urban Growth

Several occurances in the history of Belo Horizonte led to its current morphology and the urban growth. The city grew at extreme rates from the 50's on and demographic rates are still rising. The center although experience a period of shrinking.







Praça Sete: Point zero, where the first parcels were sold











Praça da Liberdade: Administrative heart where the government buildings are

located including the governor palace





Mercado: Commercial area with a public square that was never built, in 1971 the Estação Rodoviária, bus terminal was built

Elements of the Idea

The urban zone contains all public spaces and functions. The vast Avenues, with a span of 35 meters, were more like linear parks at that time, linking the public buildings and squares which were set at the intersections. As strict as the plan was drawn, it was never realized that way although over time all public functions did find their place inside the grid.

ESTADO DE MINAS GERAES S PERILEY CERTITY CIDADE DE MINAS SOBRE & PLANTA GEODESICA. TOPOGRAPHICA & CADASTRAL Brend Houisonia 'ommissaô Constructora da Nova Capital AARAO REIS 4

The Idea of a New Capital

Aarão Reis, a brazilian urbanist, set up the masterplan for the new capital in 1895, after the ideal of Washington D.C. with a symmetrical array of perpendicular and diagonal streets. The masterplan was devided in 3 zones - the urban, the suburban and the agricultural. All public institutions were located in the urban zone but no other building regulations existed. 1897 Belo Horizonte was inaugurated, but still unfinished. The city was called Cidade de Minas until 1906 when the name was chaged to Belo Horizonte.

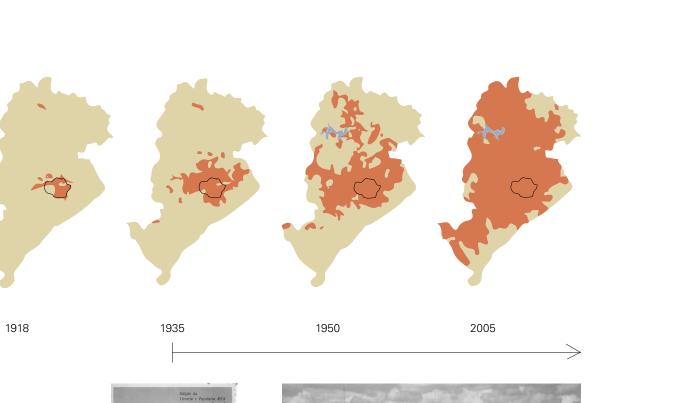




Jardim Zoológico: Blocks were left empty until 1935 when the Minas Tenis Clube was openend



Estação Ferroviária: Train main stationbecame the Metro Station







Edifício Ibaté First High-rise, 30m

Expansion and Verticalization

Parts of the Southern side of the center were still unoccupied when the verticalization around Praça Sete started. At this point it was rather an act of prestige than a necessity.

The city expanded very fast, so that today the Belo Horizonte Area grew to it's limits but is still densifying through the process of ongoing Verticalization for which the Edificio Acalaca stands as a symbol.



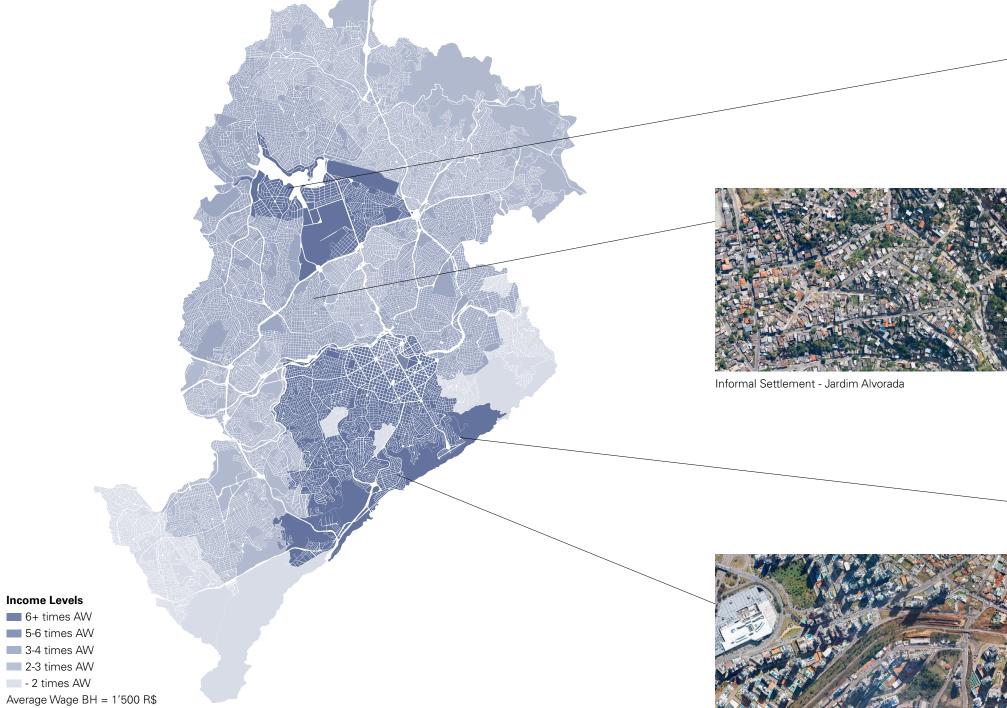


Strenght of Form vs. Logic of Urbanization

The building of the new city started with the destruction of Curral del Rey. The farmers of Curral del Rey and the builders of the city were pushed into the suburban zone while the gridded urban zone ignoring topography and history took its form. Therefore the city started growing from the outside to the inside.

After the inauguration party the deadlines to finish the city by the Minas Government were abandoned and occupation took place little by little with auctioning the parcels. First settlements took place in the down town area between main station and Praça da Liberdade, which the map of 1928 shows.





Urban fabric around the Core

Income Levels 6+ times AW 5-6 times AW 3-4 times AW 2-3 times AW - 2 times AW

75% of the Area of Belo Horizonte is overbuilt. It's morphology is characterized by very diverse settlement types, which are correlating to the landprices and income levels.



High rise Condominio - Belvedere

Villas - Mangabeiras



Low rise neighbourhood - Pampulha





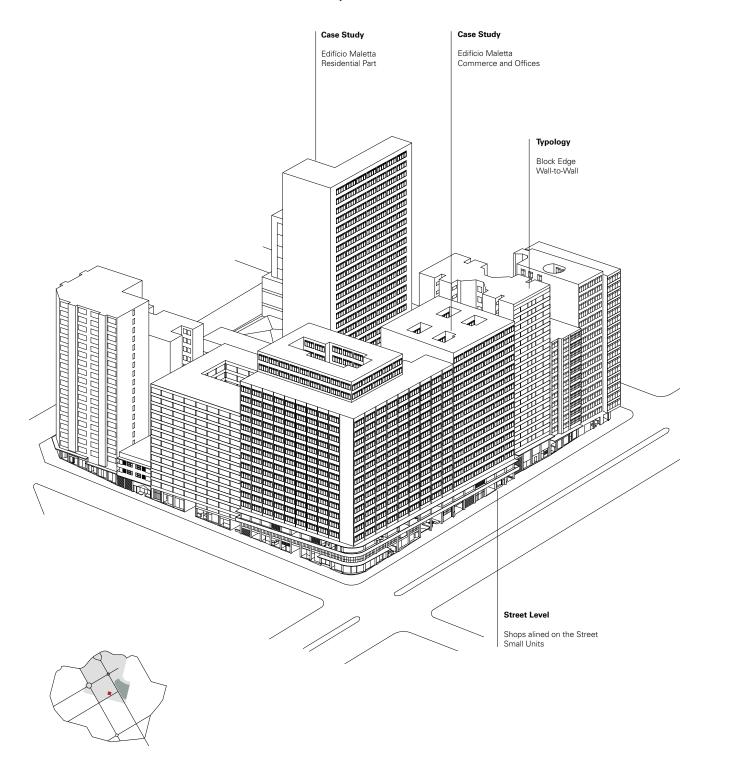


CENTRO: DUSTY DOWN TOWN

Being the origin of Belo Horizonte, the Centro is in that sense the historic Down Town part of the city. The rather old, partially abandoned built substance, creates an atmosphere and charme of its own kind. The Centro floats in an interplay between neglect and attraction.



– Metropolitan Core –

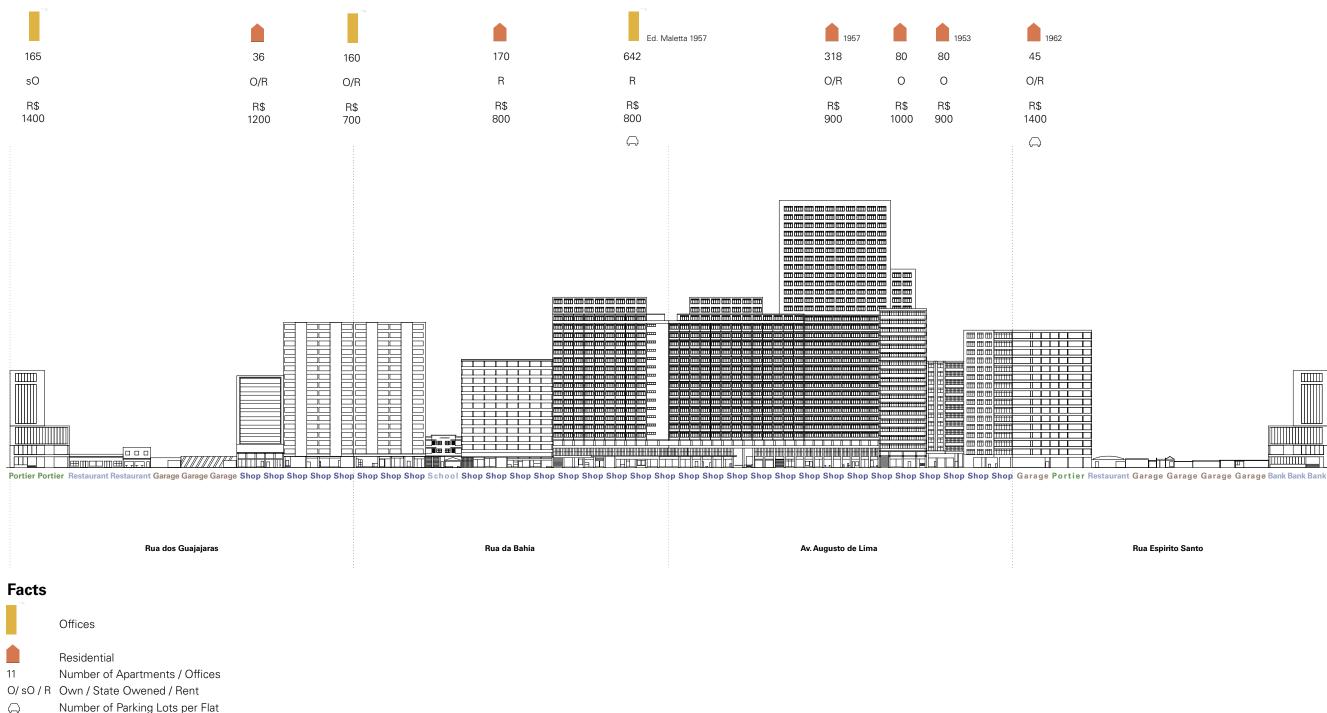


The Composed Quadra

The Down Town Area of the city is the historic centre and consists of buildings mainly from the 60's or older. These were built wall-to-wall, forming a composed image where the linear Avenues can be experienced.



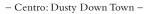
- Metropolitan Core -

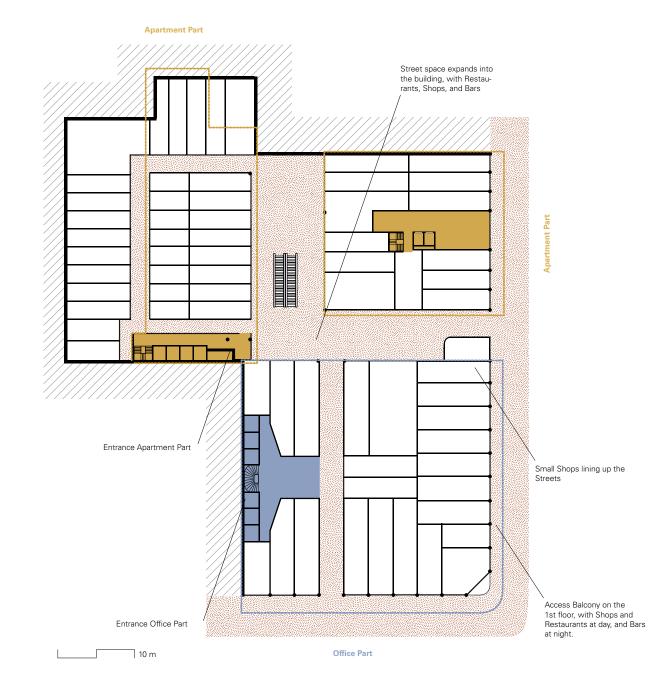


Anatomy of a Centro Block

The Centro Quadra is clearly parted horizontally where the street level is dominated by commercial and the upper levels through residential or office use.

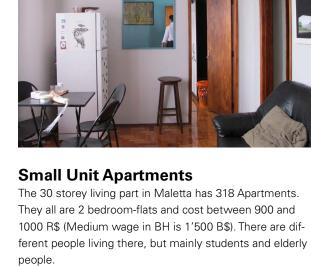






Edifício Maletta: Merging Functions

The Edifício Maletta at the crossroad Rua Bahia / Rua Augusto Lima was built in 1957. It is very popular amongst citizens. Even people from the South sometimes come here, to eat at Cantina do Lucas or sit in a bar on the access balcony on the first floor. The building unites the diverse uses Living, Commerce, private and public Offices.





Shops and Bars

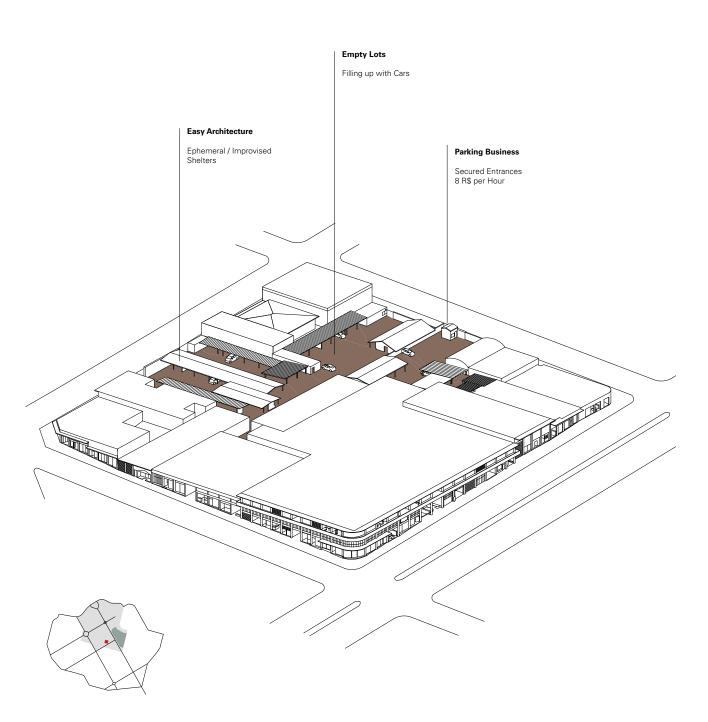
The well-known access balcony on the first floor of the Maletta offers different commerce at day, for example a print shop, many book stores, cafés, etc. At night it becomes a lively place for nightlife, visible from the streetside.

the streetside, with



Public and Private Offices





Courtyard: Parking-Landscape on Street Level

The most fundamental reason for the neglect of the Down Town area is due to missing parking lots. Apartments and offices hardly offer car spaces what leads to covering up unoccupied spaces with cars. Land owners of small parcels often create 'Estacionamientos' - improvised parking fields.









Stores acompanying the Avenues

The ground floor is clearly dominated by commerce. These little shops are lined up along the street and surrounding the whole blocks.

Activating the Streets

Like little boxes the shops integrate themeselves into the bigger building structure. Similar to a garage the shops open fully to the street, liven it up through it's colors and goods.





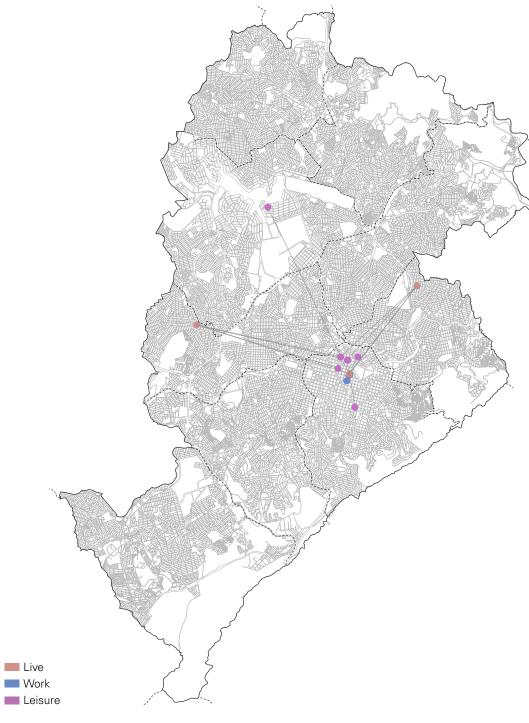
Guiberto, 49, Barber

"I'm living in Gloria, west of the centre. I have been working here for 30 years. I have all kind of customers. A haircut costs about 25-30R\$. It's 15m². I come here by bus, it takes between 30 - 60 minutes, depending on the traffic. I would love to live in the centre, because then i wouldn't have to take the bus. Bus is diffucult in Brasil. In my freetime i go to Praça Sete, Av. Amazonas, Mercado Central. For shopping clothes etc i stay in the Centro."



Aparecida, 53, Sewer

"I'm from St. Ines, in the north-east of the centre, but i practically live here. I have been working here for 34 years. I have many customers. The rent is 2'000 R\$ / month (condominio taxes). But in the meanwhile i own it. But i wouldn't like to live in the ce e, because it's too noi and crowded. I live near a metro sta า รด to estacao central and then thing in the Centre, **ETH Studio8. Relsel**



Portraits: Commuting

For many citizens of Belo Horizonte the Centro is still an attractor, mainly as a place to work and for cheap shopping. The residents are often only living there transitionaly or when they are dependant on public transportation, like students and elderly people.



Thiago, 35, Lawyer

"I was born in Pampulha and have been living here in the Centro since 3 years. I moved here because i work just around the corner, 15 minutes by foot from here. I share this 2 bedroom flat in the 26th floor with a friend. Together the rent is 900 R\$. I like living here. It's very practical, everything is near and reachable by foot. So i don't have to get into traffic. I go to Praça Sete for cinema and bars, to Praça Estação for shows and museum, and to Savassi, but only on the weekends. Sometimes i go to Pampulha to visit my friends who still live there. As soon as i have family i will move out of the Maletta".



Urban Equipment for Diverse Activities

Beside the commercial use the Centro has also a variety of cultural offers. But the image of the centro is quite prestressed due to safety reasons and lack of parking spaces. This condition and the fact of many old abandoned building is the fertile soil for emerging subculture and alternative uses of the urban spaces and equipment.



– Centro: Dusty Down Town –



Between Vibrance and Neglect

The most urban square is the Praça Sete, which is the point where most of the traffic passes. Some streetsellers also use this masses of people to sell their products and spend most of their time there.



Concrete as Arena

While in the southern area of the centre the urban space is used in a very formal way, in the Centro this space is used in a creative, diverse, and rather informal way. Concrete is becoming an arena for MCs, like at the Duelo at Santa Tereza Bridge. In the Centro the urban space is used by everyone and transformed for everyone. At the Viaduto Santa Tereza, a bridge connecting the Centro to outside Av. Contorno, the Coletivo Família de Rua, a group of MCs, started the 'Duelo', a weekle Battle on which everyone can participate who thinks his lyrics have to be heard. They chose this place because aalmost all busses pass the Centro, and because the bridge gives them a roof incase of a hard rain.



Public Oasis

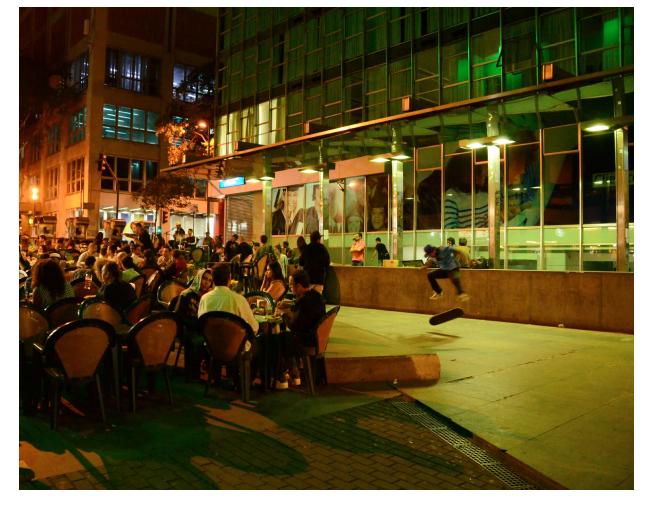
The Parque Municipal already existed in the Masterplan. With it's vast plot and diverse vegetation it offers a nice alternation to the dense Centro.



The Place to be Heard

square with pede are brought up her





Side-by-Side Street Occupation

Four streets around the Praça Sete were turned into Pedestrian ways creating plazas for the happenings. In the evening plastic furniture get occupied by hungry guests coinciding with skaters and bands playing live music. Therefore the Centro has some nightlife even when all the shops and offices are closed and some corners are left deadly empty by night fall.



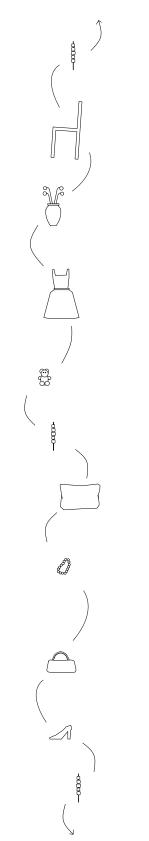
Spontaneity

All it takes is Music. As soon as a loud rhythm starts bumping, people gather around and start dancing. Temporary installations enable these gatherings to occure everywhere and spontaniously turning the paved streets into dance floors. All it takes is a DJ and his VW-Bus with a sound installation. These common happenings bring diverse people together.









Green stripes: Food

Beige: Furniture, Flowers, Basketry

Red: Decoration

Yellow stripes: Adult Clothing

Blue stripes: Children Clothing, Toys

Green stripes: Food

Gray: Bed, Table and Bath

Red stripes: Jewelry

Green: Bags, Belts

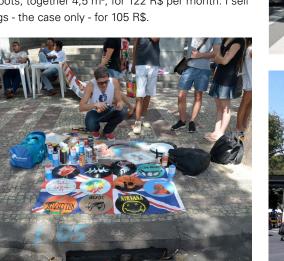
Brown: Shoes

Green stripes: Food



Leo, 63, Furniture Restaurator / Designer

"I'm taking part at the Feira Hippie since 1972, 41 years ago, when it all started. Back than we were only about 50 sellers and it took place at Praça Liberdade. 1991 it was moved to Alfonso Pena. Today there are 3'000 people working here. During the week i repair old furniture at my home and produce my leather products, they are all hand-made. I rent 2 spots, together 4,5 m², for 122 R\$ per month. I sell these bags - the case only - for 105 R\$.



Wagner, 22, Artist

"I'm an coming here every sunday to sell my products. On Saturday i'm at Av. Rio de Janeiro, and on week-days i'm moving around on different streets in the whole centre. It's all handmade artisan products, and i create it straight away on the street, so i don't need to have a license here at the feira hippie."

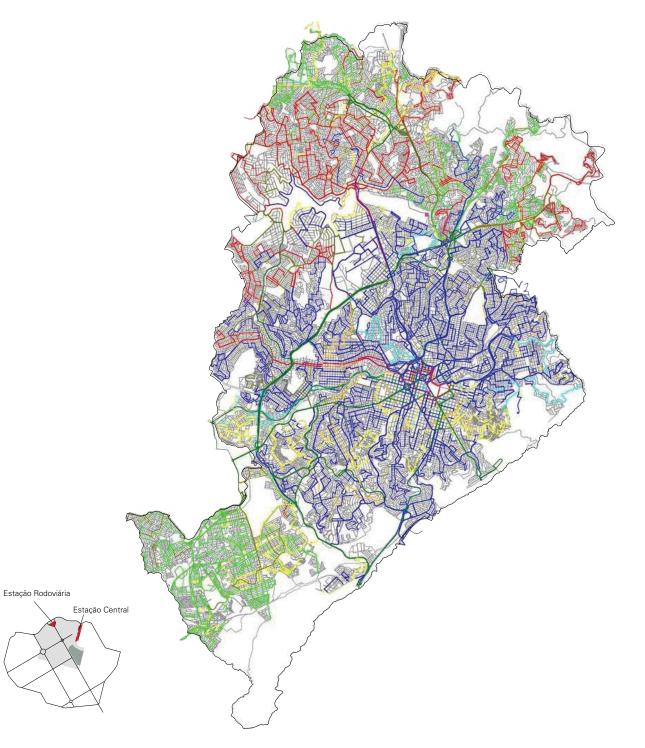


At 2 o'clock in the fore that, the artisans are rus and back into the









Linchpin of Movement

Because of the configuration of the radial roadnetwork and the concentration of jobs in the Centro, it unites different flows of traffic on an entrance point which lies at Avenida Contorno. Especially at day and at the rush hours the Centro is the most lively and hectic place in the city. Also the public transportation system is layed out monocentric which leads to big traffic jams constraining the atmospheric quality of the Centro.



Intuition and Colors

The orientation in the complex and dense bus network can be eased by the their coloration. the busses are colormapped after their typologie of route, and people who live in BH for a while, know by their intuition where to go.

Color-Coded Bus-System

- Linha Troncais: Neighbourhood to centre and back
- Linha Circulares: Circuling inside Contorno or an Neighbourhood
- Linha Diametrais: Neighbourhodd to Neighbourhood, passing the Centre
- Linha Interbairros: Neighbourhood to Neighbourhood, mostly not passing the Centre

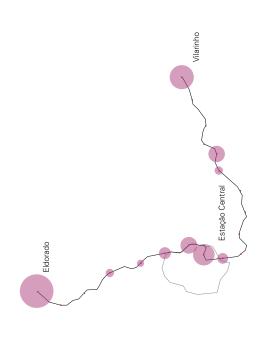


A dense Network



free in the front.

The Busnetwork is very dense, almost 100% of Belo Horizonte are covered by Busstations. The ways of mapping the busplans are very diverse, sometimes not existent.



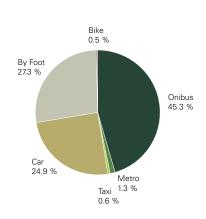
Only for a Few

The Metro of Belo Horizonte consists of only 1 line. It connects the north and west of the City with the Centre. The endstations and the central station are by far the most frequented ones. So the Metro line works mainly as a express connection between the agglomeration and the Centre.



Intersection Bus - Metro

The endstations integrate large bus terminals, where busses from the whole agglomeration stop. The commuters switch here from Bus to Metro to get to the Centre very fast.



Means of Transportation

The distribution of the commuters on different transport systems shows the importance that the bus system playes in the general movement in the city. The Metro can be used only by a view because it serves only one line throughout the huge territory that the city covers.



Overground Metro

The Metro goes overground. That is a reason why there never was the capacity to expand it in an already built city. The tracks have been existing from colonial times and were taken over and adapted.

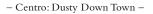


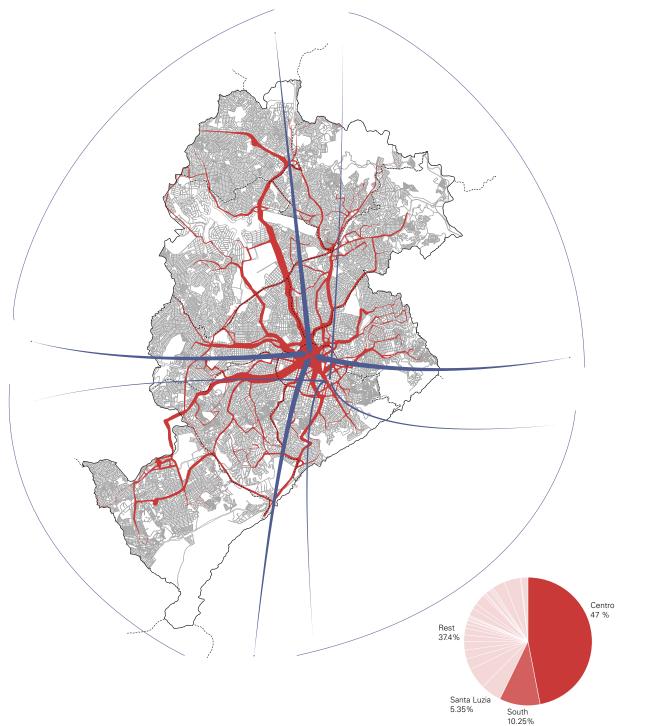


From Nothing to Nowhere: Vilarinho and Eldorado

The citizens label the Metro as going from nothing to nowhere. The places being served by the endstations are small random villages in the agglomeration of Belo Horizonte.







Remaining only a Passage Way?

The Centro works as a huge hub for commuter flows. Many commuters pass the Centro to go to work outside, because of the radial roadnetwork that leads all the traffic flows through the Centro. This leads to traffic jams mainly at the Av. Contorno but also in the whole centre. The relation between inhabitants and jobs at the Centro is very unbalanced. The population is rather small. So this raises the question, if the old city today only works as a hub for commuters passing through it.



South

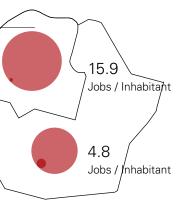
60'000 Inhabitants 248'000 Jobs

Concentration of Jobs, 2008

Inhabitants

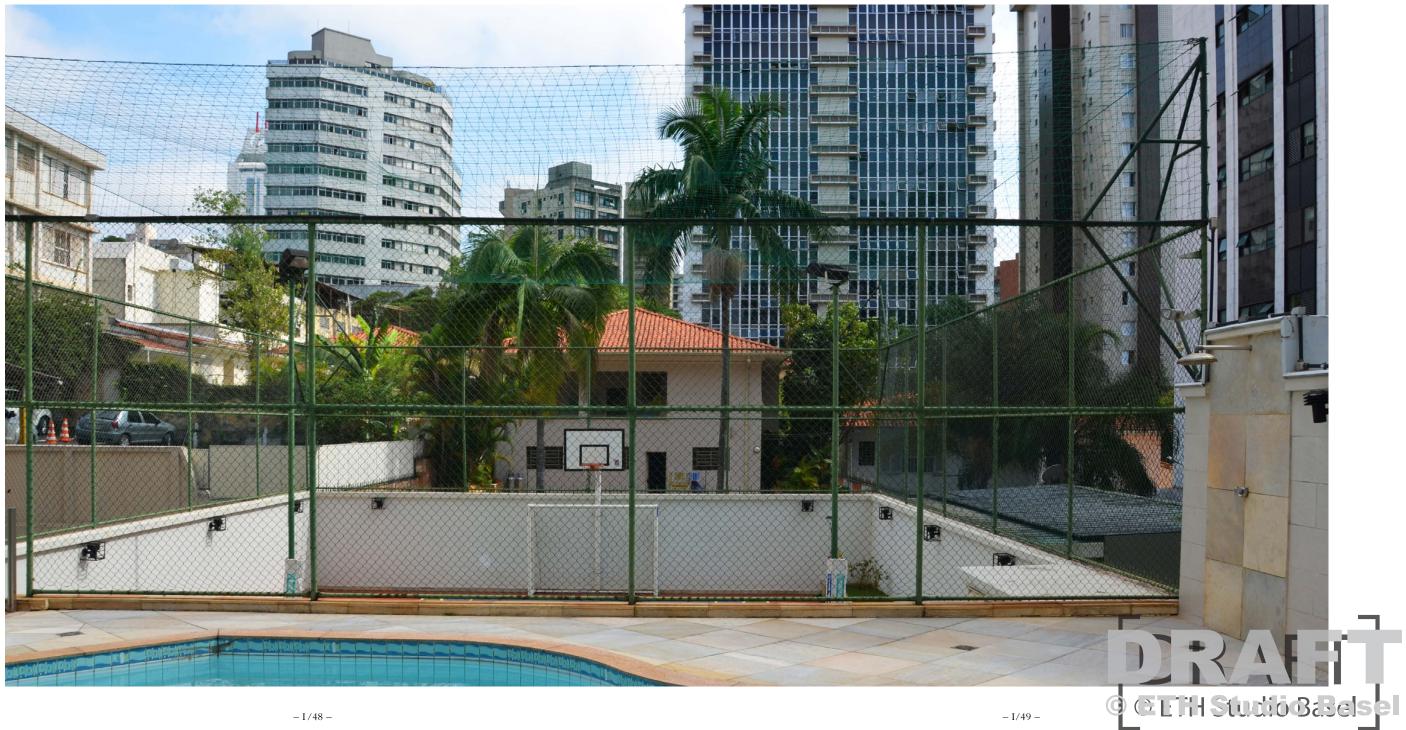
Amount of Jobs

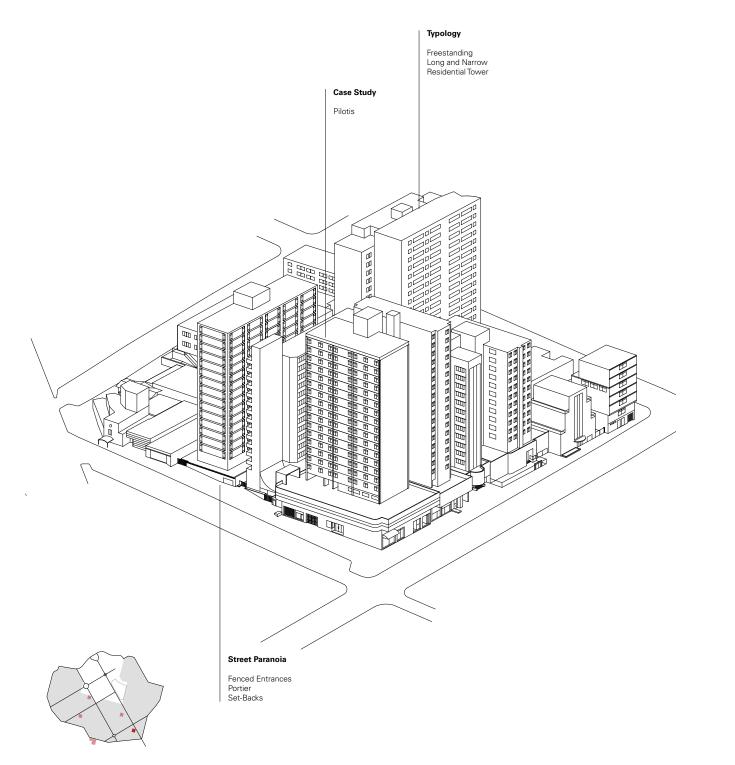




SOUTH: A NEW LIFE STYLE

The southern area was always blessed with the best infrastructure of Belo Horizonte. This can be explained due to its relatively young age. The South was left empty for a long time untile high-income citizens started to settle there. Today it's a densly occupied area which attracts a lot of service and commerce into it's residencial environment, becoming more and more independant from down town.



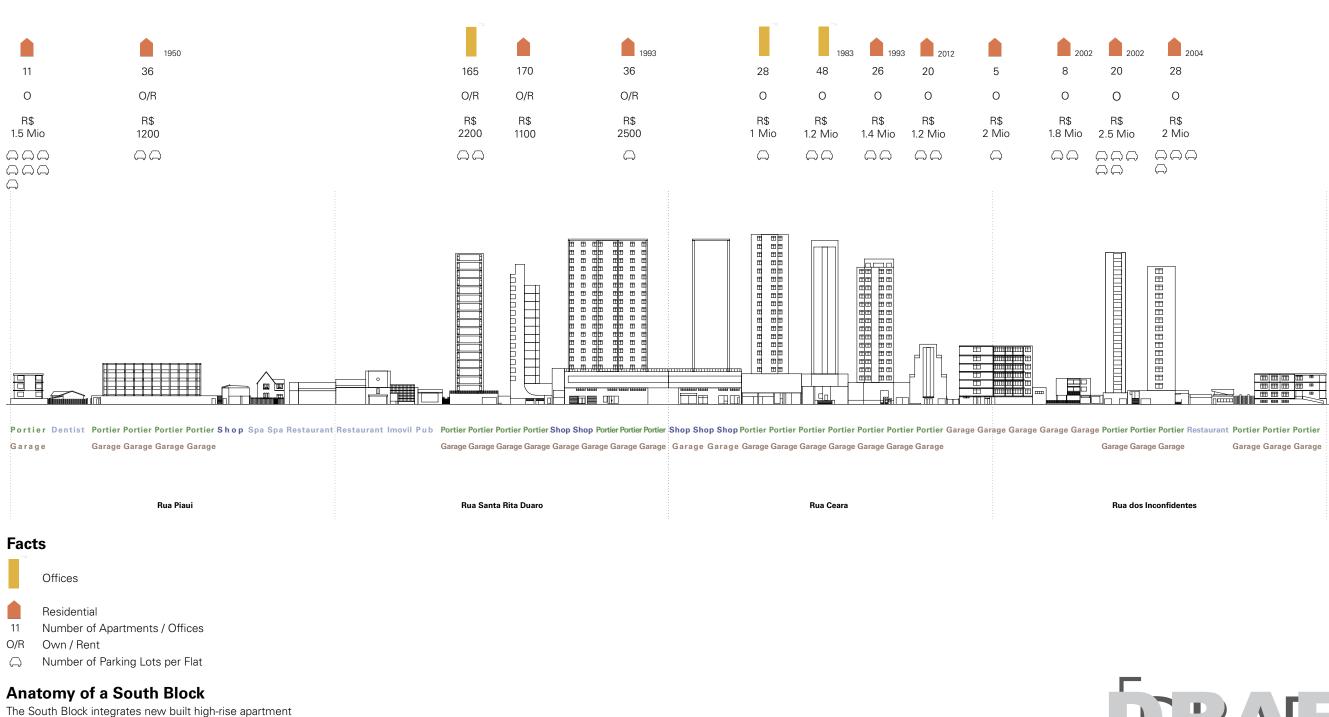


The Fragmented Quadra

The recent building stock in the South works as single components. The freestanding and partially set back buildings interfere with the typology of the closed block.

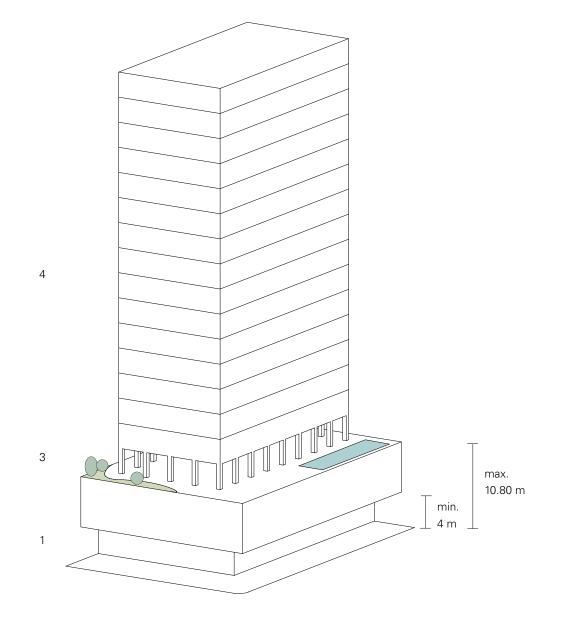
Introverted and barred ground floors are causing a repellent and rather unactivated street level.





buildings and old detached houses. More and more office buildings are forming up into this arrangement.



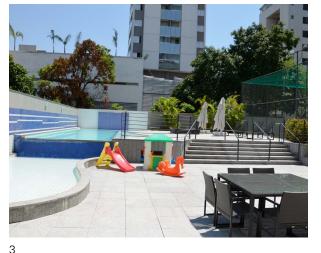


'Piloti'

Lei 2662, 29 de Novembro de 1976 / 1996 / 2010

The building law of 1976 established the Pilotis because for every building over 4 floors the Pilotis, was obligatory. The Pilotis consists of a floor in which only 40 or 50% of the plot is built and it's function is for recreation and common uses. Besides that, the first and second floors can occupy 100% of the plot, while the ones above that should have a setback and occupy only up to 50%. The maximum height on the alignment of the plot is 10.80 meters in the central area, which means that you could build up to 3 floors without setback. That demands an artificial drainage system though and therefore we find the floor level 20% left free. 1996 the law was changed and the Pilotis no longer compulsory, but after 20 years of practice it was already a culture and remains a programm in residential buildings.



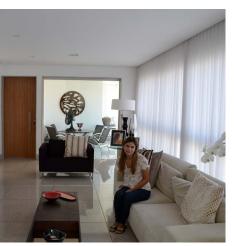




Vertical Condominio

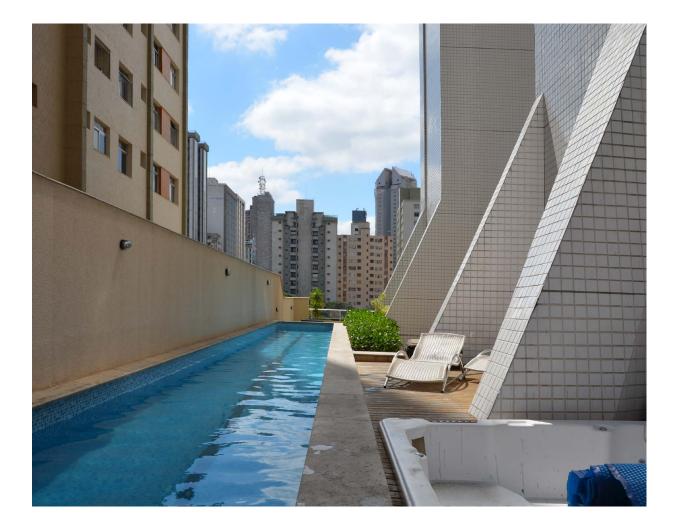
Entering on the streetlevel one have to pass the portier first (1) the garage has room for at least two parking lots per flat (2) vast playground area called Pilotis (3) "the higher the better" the main rule for the apartments (4).







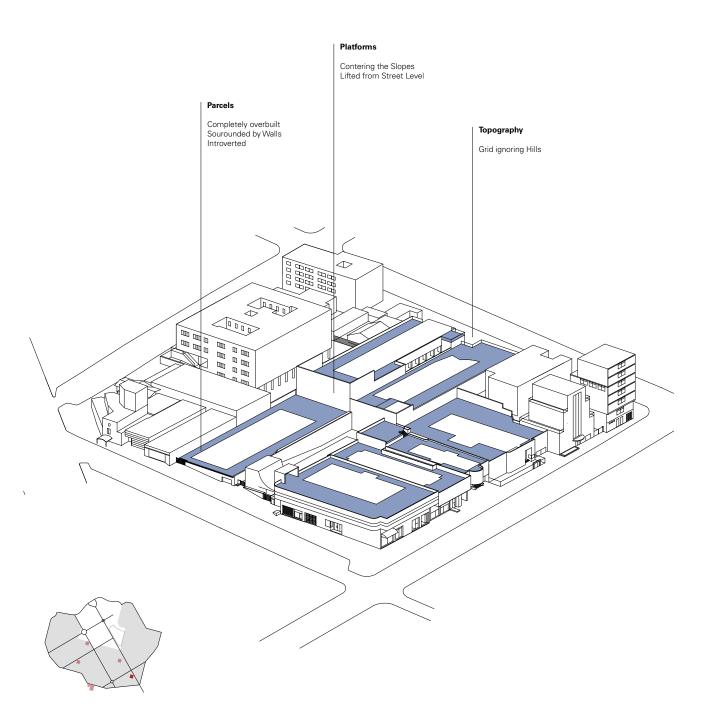




Introverted Leisure

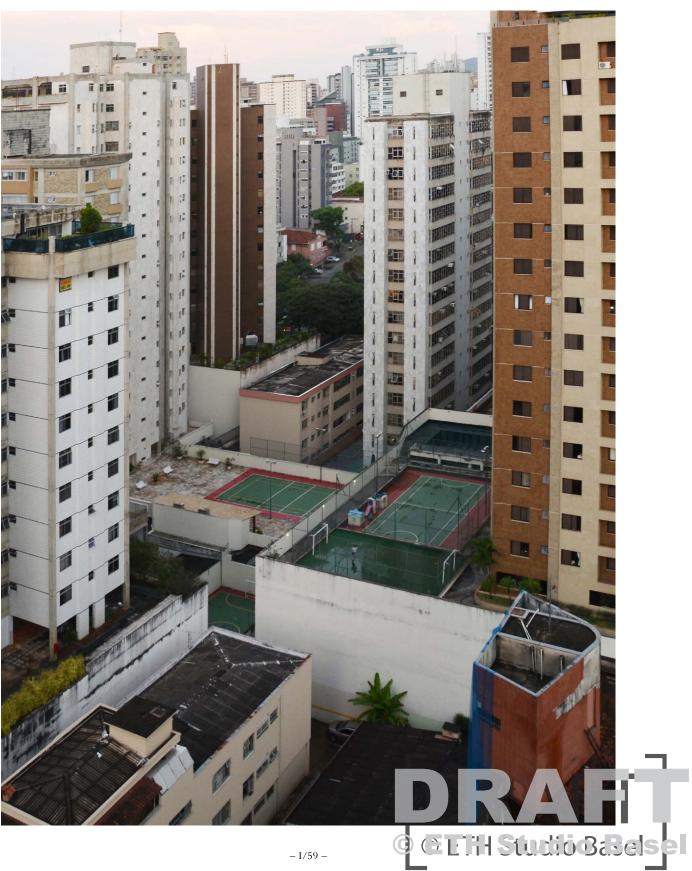
Above streetlevel, the common space of the Pilotis is an all time accessable platform offering all kinds of activities. The variety reaches from Tennis court, soccer field, pool, grill area up to playgrounds for the children. These spaces are quite, clean and safe. But also often unused.



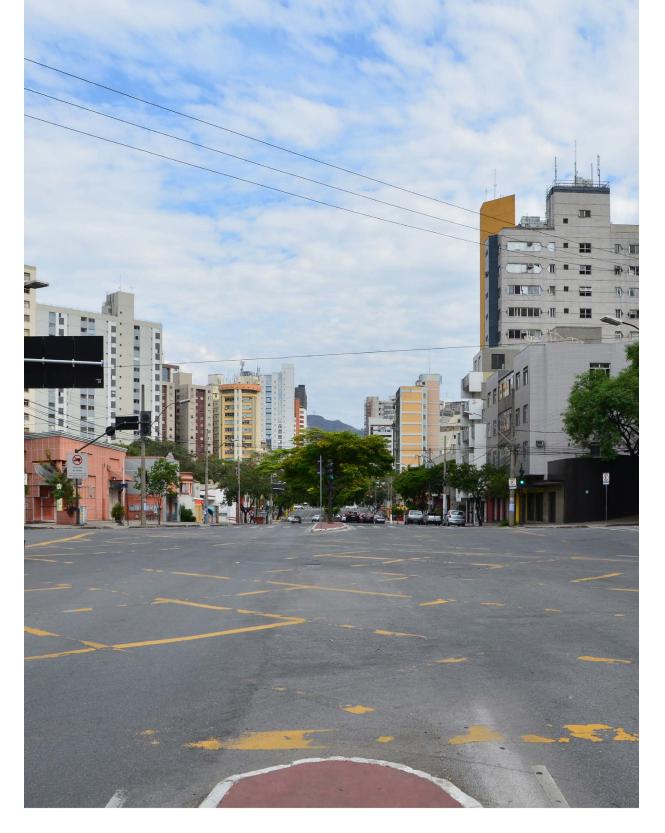


Courtyard: Leisure Landscape on Platforms

Filling up the whole parcells in the first 2-3 levels, the residential buildings clash wall to wall. The courtyard is forming a new topography hiding the parking lots underneath creating an artificial layer of leisure areas.









Elevated Entrances

To create a more privat space for the residence entrances they are often elevated to a higher level. Often the entrances are set back from the streets and garded by the portier which can seem repellent.

in the Centro.



Distancing of Street and Entrance The buildings in the south are mostly very refusing. The

spaces between the street and the entrances are shaped in a variety of distance-making objects. Like a fence with some unused greenspace behind it.



Boutiques

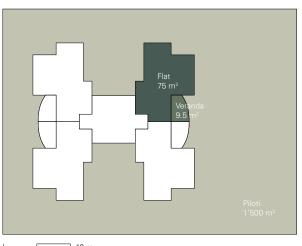
The shops in the south high-income customers. The like dentist, spa,



Offices between Residential Buildings

The South is mainly a residential neighbourhood. But more and more offices are situated there. The location in the South is positive for the image of the company, rather than

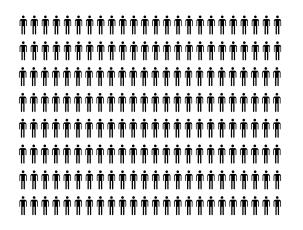




_____ 10 m

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People per Pilotis: 128 total



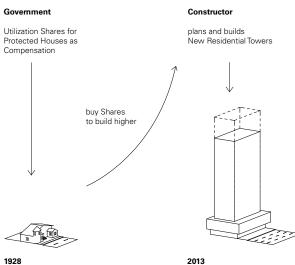
Setting Priorities

The relation of the Apartment to the Piloti seems to be shifted towards more functions and space in the common area.



Compensation

"Honey, the apartment is shrinking, but the veranda, pool and courtyard increases..." Headline of the veja BH magazin, October 2013 issue.



Protected Building

2013 High-rise, small Apartments, Piloti



Investment Pressure

The pressure on old buildings is high as the prices of the southern area are rising. Often old buildings have to make space to high rises, some of them are still left as lost soldiers surounded by towers.



Elena, 61, Hous "I live in Funcionarios, two sisters in our pare in 1952. I like to live th by foot. It's only two b neighbourhood a lot. Recently we are gettin willing to buy our prop Million Reais so we are family heritage. The bu and that would be too

Family

Average Salary: 1'500 R\$



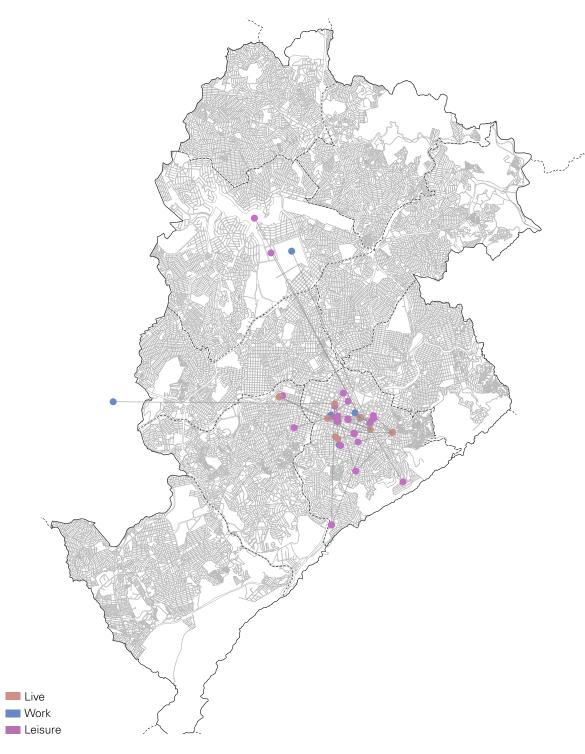
1940 Family Heritage

Sell and move

Elena, 61, House Owner, Travel Agent

"I live in Funcionarios, Rua Bernardo Guimares with my two sisters in our parents house, which they built back in 1952. I like to live there because i can walk to work by foot. It's only two blocks away. And i like the Savassi neighbourhood a lot.





Portraits: 30min Radius

The Citizens of the South have a high quality of life. Preferably they like to have all services and family members close by. The workers mainly commute between the agglomeration and the South.





Fred



Portier





Dog Stylist

Restaurator

Personal Trainer





Kiosk Owners

Fred, 33, Media Designer

"I was born in Lourdes Belo Horizonte and still live in this neighborhood today. It's very confortable because i can go to work by bike and my family lives just around the corner. Apart from that there are many bars and restaurants around here. Savassi is the new heart to go out. I live here with my 'other Mom'. She was our housekeeper and she

measures 150 m². It's rant, which i like.





Ana Isabel





Laundry



Hotel Receptionist





Poet





Controlled Environment

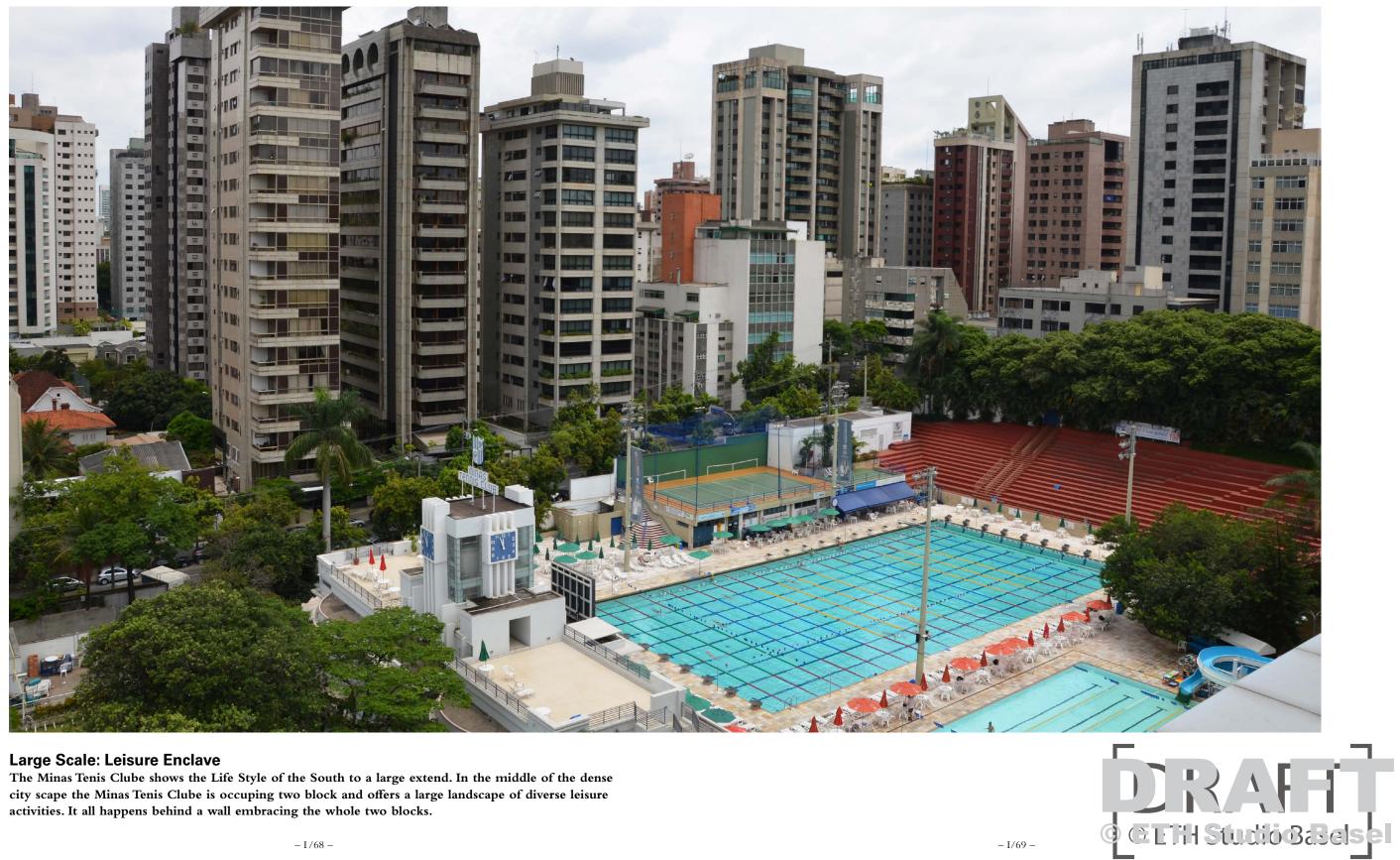
At the main square of Savassi, the most lively neighbourhood in the South, four streets were modified into pedestrian public spaces and meant to attract commerce, bars and restaurant. The formal occupation of these streets creates a popular space for the inhabitants and is well known for it's night life.



Shopping Paradise

The artificial climate and the easy accessability of different stores in a totally controlled environment is a very favored place to spend time. Shopping malls replace the outdoor public spaces, functioning also as meeting points. The Prices are though relatively high.





1897

The masterplan envisaged a zoological garden covering six blocks. But the plots stayed empty and unused for a long time and were informally used as waste dump.

1935

In the 1930s the governors wife got inspired by an article about the sports club in the USA and suggested this for Belo Horizonte. Several other actors were also starting ideas about a tenis club at that time.

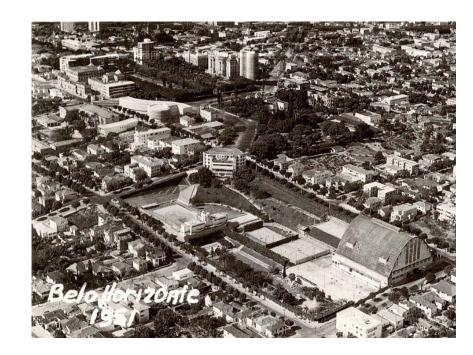
At the same time the planned zoological garden raised hygienic doubts as the surroundings was more and more covered with residential buildings.

So the governor decided, that a sport and recreation space would be a better necessity for the city and declassified two lots of the former zoological garden to a sports club and developed it together with privat actors.

At the beginning the Club was a public institution providing a recreation space for the citizens of Belo Horizonte. Over the time it got more and more privatized and equipped with different activities. Memberships were sold for 40'000 R\$.

2013

Today the Minas Tenis Club offers a vast composition of different sport and recreation elements. Memberships are not sold anymore but can be traded. It's value went up to 100'000 R\$. There is still a part opened to the public, but costs 60 R\$ entrance fee per day.





From Public Space to Sport Club

The history of the creation of the Minas Tenis Clube is representativ for the development of the southern area.





Private Oasis

Except the one entrance the Club divides itself from the city by a wall, embracing it over the whole two blocks. Except the silhouettes of the surrounding high-rises, the visitor leaves the city behind by entering the Club.





Shift of Qualities?

The South became a new hub of centralities over the time by implementing commerce, work and leisure activities, which used to be more dominant in the Centro. With the new built character of the environment and the own life style of the southern inhabitants, the South set itself apart of the historic centre. This shift raises the question of the correlation of the Centro to the South. The very formal and often introverted atmosphere of the southern spaces are standing against the collective use of space in the Centro.





'CENTROVIVO'

The masterplan plot reaches it's limit in case of the huge traffic flows. Agglomeration villages are becoming more independant of the centre.

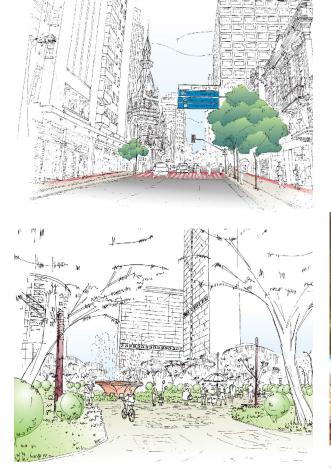
The Preifetura of Belo Horizonte started the project 'Centro Vivo' with the intention to strenghten the role of the whole central area. The main idea is to revitalize the Centro by implementing housing, and integrating commerce in the southern area. This should attract investment and liven up the centre.





Official Strategies

The plan 'Centro Vivo' started in 2007 by the city council with an analysis of the Centro. The goal was to improve the bad image of the Centro and to unify the whole central area as an attractive vibrant place. Several projects were realized so far. It acts on different scales, from pedestrian improvement to housing projects.



Reabilitação do Hipercentro

The upgrading of the Centro led to better safety conditions. Cleaning up the streets and Parks like Raul Suares. After a decrease of population between 1990 and 2000 it started increasing again.



commerce in 2007. It's succes Savassi became the new hea and restaurants a



Requalificação Savassi





Built Strategies

The former Ciné Brasil, built in art déco style in 1932 at Praça Sete and showed it's last session at 1999. After that it was left empty and plans of destroying the building were made. Finally the Ciné Brasil was restored and reopened in 2013 as a museum. So far it attracted a lot of visitors.



Oiapoque - Removal of Street Vendors As part of the Centro Vivo Plans the government removed the street vendors from the Centro, and gave them a space in the new arranged 'Oiapoque'. This should bring more order and safety into the Centro.



tial Uses

Luxus Hotel Tulpi - New Built New-built Hotel Tulpi at the northern most abandoned edge of the Centro.

BRT / Linha Verde The new BRT Line will stop



Hotel Excelsior - Renewal for Residen-

The Hotel Excelsior is getting renewed for residential uses. The inhabitants shall be students, elderly people, but also business man. A common leisure space will be implemented in the building to match with the new life style tendencies. A lot of projects like this - implementing residential use at the Centro - were started.





Renewal or Saving the Memory?

There is the strong tendency to destroy old, low-rise buildings and build new ones, which bring all the comfort and rentability needed. These old buildings are abandonned deliberately to bypass the laws of building protection. Some protected buildings are renewed by the state, but because of lack of state-money, they are shaped by private enterprises. There is an opposing tendency of a small group of people, who occupy these old buildings - instead of just the streets - and give them a meaning again. They are convinced that the cultural heritage of the city should not be forgotten and should be used as a space to implement cultural activities, brought up by the citizens themselves. They started this movement by occupying a building built in the 1920ies, and are convinced that many more projects like this will follow.



- Appendix -

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Institutions

Preifetura Belo Horizonte Arquivo Público da Cidade de Belo Horizonte Fundação João Pinheiro Universidade Federal de Minas Gerais

