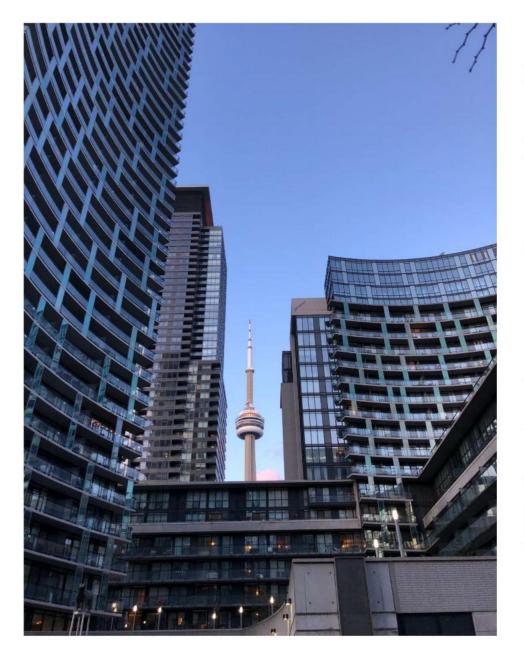


MANOEL LOURENÇO architect and urban planner





residential

commercial

institutional



BIO

Young ambitious architect seeking prowth and experience to further enhance in architecture and urban planning. Singular shared my time and talent to promote clusion in the society exercising my architecture and planning knowledge.

2





$\bigcirc$		$\circ$	
FEB 2019 AUG 2019	JUNIOR ARCHITECT Chris Roncato Paisagismo & Áreas Externas Campinas, Brazil	SEP 2019 APR 2021	GEORGE BROWN COLLEG Diploma in Architectural Toronto, Ontario
	Draughtsman. Delineation and techinical drawing of residential, commercial and institutional landscaping projects. Responsible for communicating and performing as a link with clients.	JAN 2012 DEC 2017	PONTIFÍCIA UNIVERSIDAD CAMPINAS
JAN 2018 NOV 2018	JUNIOR ARCHITECT Adriana Agostinho Arquitetura & Interiores		<b>Bachelor in Architecture</b> Campinas, Brazil
	São Paulo, Brazil	JAN 2016 DEC 2016	ETSAS - ESCUELA TÉCNIC ARQUITECTURA - UNIVER
	Draughtsman. Responsible for the techinical drawings of residential, commercial and stores in malls. Creation of 3D modeling and renders.	DEC 2016	One year schoolarship in nical Drawings and Urba
<b>JUN 2017</b>	INTERNSHIP ARCHITECT		Seville, Spain
OCT 2017	Chris Roncato Paisagismo & Áreas Externas Campinas, Brazil	DEC 2013 MAR 2014	ILSC - INTERNATIONAL LA
	Draughtsman. Responsible for the techinical drawings of residential, commercial and stores in malls. Creation of 3D modeling and renders.		SCHOOLS OF CANADA
			Three months full time ex focused on english as a s
<b>JUL 2016</b>	INTERNSHIP ARCHITECT		Vancouver, British Columb

JUL 2016 INTERNSHIP ARCHITECT
DEC 2016 Garcia Nieto Perez Arquitectos

Seville, Spain

Participation in preliminaries urban studies downtown Seville and small towns nearby. Project restora-

tion in the old town.

NOV 2013 INTERNSHIP ARCHITECT
DEC 2015 Hobeika Arquitetura & Engenharia

Campinas, Brazil

Created and modified drawings as rendered schematics for over 50 designs.

**Volunteering** 

JAN 2018 JAN 2018 UM TETO PARA MEU PAÍS

Volunteer program focus of emergency houses São Paulo, Brazil



## **Architecture projects**

- **01 Tiny House** academic // architectural technician // 3rd semester
- **02 Wood Frame House** academic // architectural technician // 4th semester
- **03 Warehouse** academic // architectural technician // 4th semester
- **04 School** academic // bachelor // 6th semester

## **Urban Planning projec**

- **05 Interpretative Center** academic // architectural technician /
- **06 Urban Qualification** academic // exchange program // 8 t
- 07 Final Graduation Project
  academic // bachelor // 10th semeste

# 01 tiny house

architecture + wood fram

### **Tiny House**

#### Type

Architectural + Wood frame construction

#### Location

Wellington, Ontario

#### Phase

Conceptual Design + Floor Plan, 3D Modeling

#### Description

This academic project is about a tiny house with maximum footprint of 25 m2 and the maximum total floor area is 35 m2. The house is self-efficient.

#### Software Used

AutoCAD, Sketchup, Photoshop.

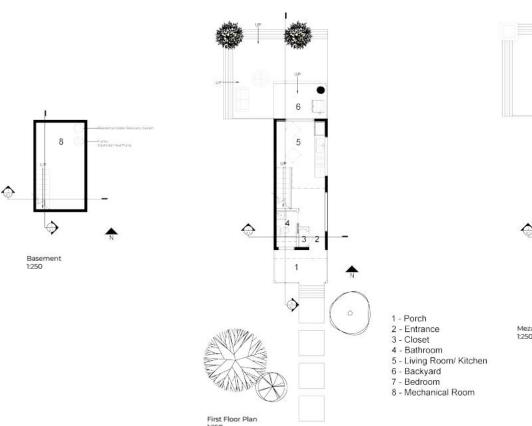
#### Involvement

Sket, Development of construction details and floor plan.

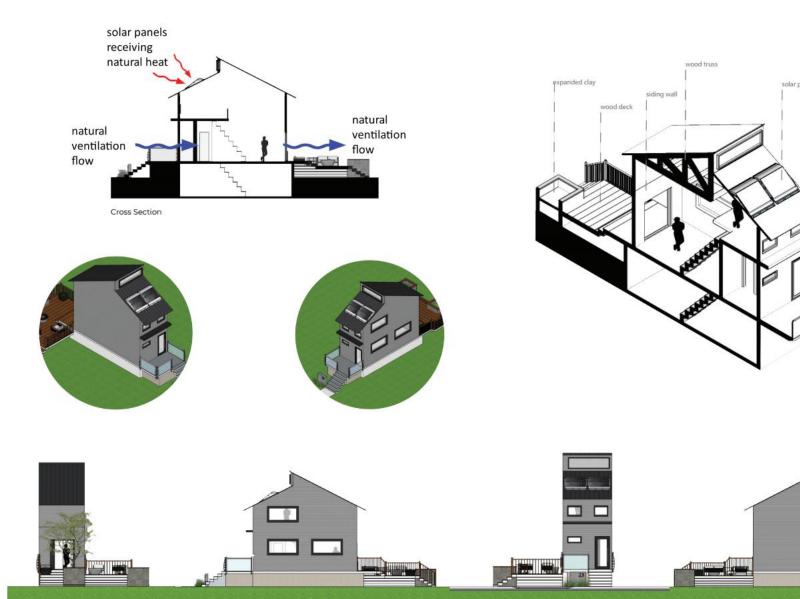


#### Description

Tiny house project developed on 2 lington, Ontario is southern orient view of the lake. The project as a wake advantage of the natural hearmore eco friendly. A door in the sowere selected to be opened in the ral air flow and circulation. In addit panels are facing south as it is the receiving the most amount of sun facing south for the same reason; natural warmth. Some of the gree smart tinting. These windows conthat the house is going to receive. residential water recovery system.







## 02 wood frame house

architecture + wood fram

## Wood Frame House

#### Type

Architectural + Wood frame construction

#### Location

Toronto, Ontario

#### Phase

Conceptual Design + Floor Plan, 3D Modeling

#### Description

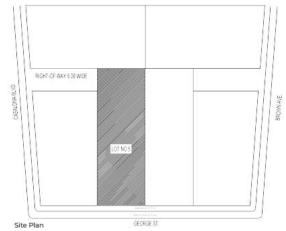
Academic project focused in the design of a wood frame house, construction drawings and construction documentation according to the Building Code.

#### Software Used

AutoCAD, Sketchup, Photoshop.

#### Involvement

Development of sets of plans, building code, zoning by law.

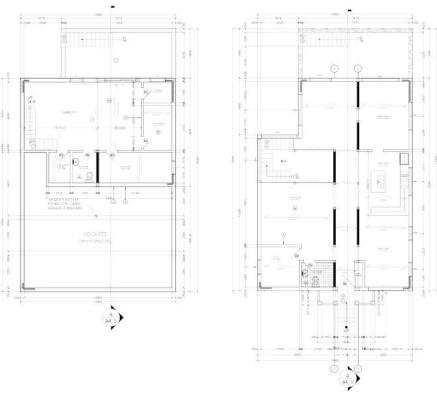


Basement Floor Plan

#### Description

The objective of this project was to house and produce construction of tation. The whole house is following Code.

The idea is to create a two storey has basement floor there is a open sparoom, this allows the owner to renthey desire. In the first floor plant toilet for visitors and a open space room. In the second floor, is where located, followed by a master bedroore individual bedrooms.



First Floor Plan



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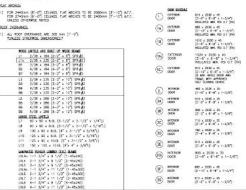
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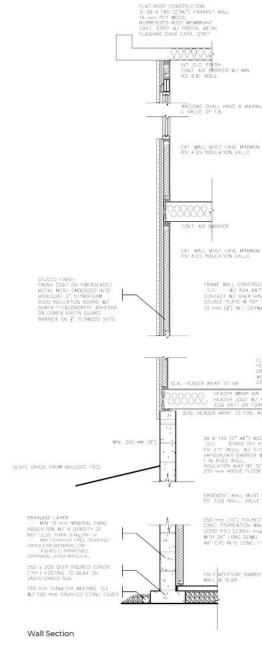
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Construction Notes According to the Building Code

# 03 warehouse

commercial + buildi

### Warehouse

#### Type

Commercial + Building Code

#### Location

Toronto, Ontario

#### Phase

Conceptual Design + Floor Plan, 3D Modeling

#### Description

Academic project designated to apply the knowledge in construction drawing and documents for a warehouse building. Steel frame construction in a 2 storey office.

#### **Software Used**

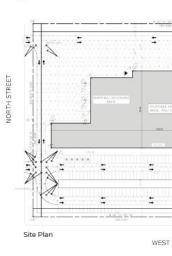
AutoCAD, Revit.

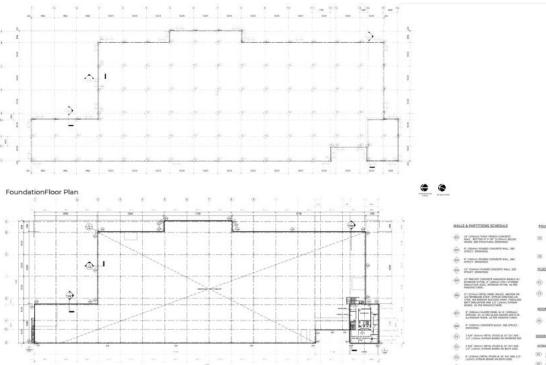
#### Involvement

Development of all the drawings, building code, zoning by law.

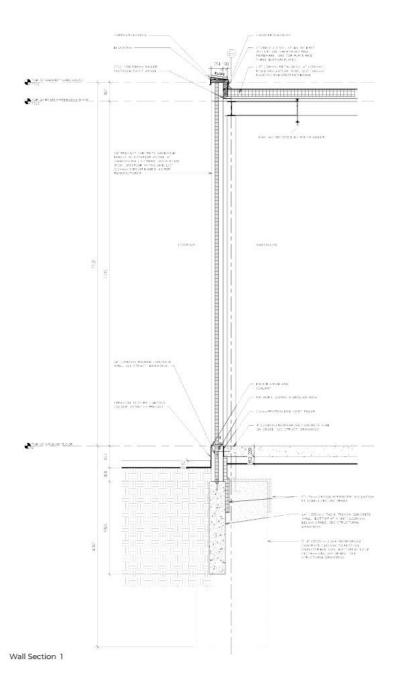
#### Description

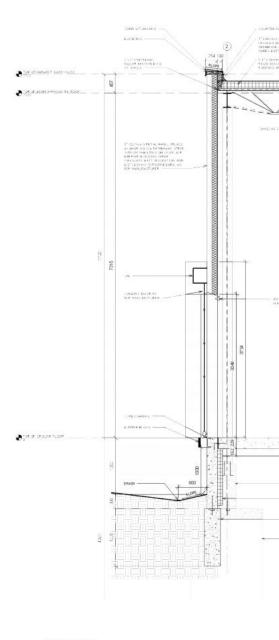
Apply the design and technical aspects of building projects utilizing steel frame building system. In addition to incorporating applicable concepts from Sustainable Materials and Structures. The project objective is to apply architectural technology, engineering principles, constructability techniques, specifications and document coordination throughout documentation phases. The client is considering the construction of a warehouse-type building for lease to a perspective tenant and requires of a set of Construction Drawings & Documentation for the building based on the municipal zoning regulations and building tenant requirements.



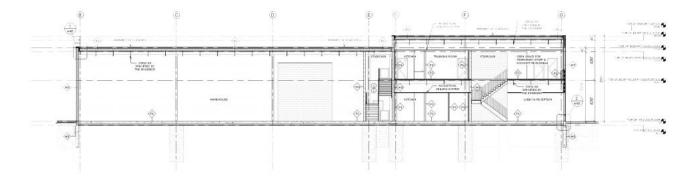


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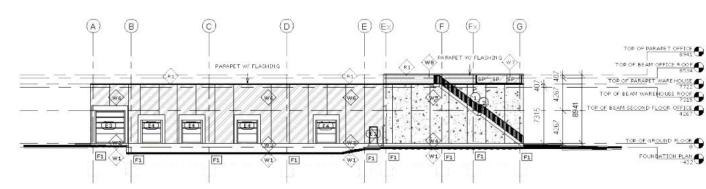




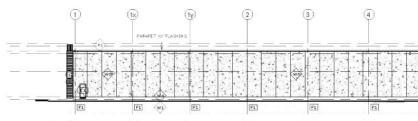
Wall Section 2



Cross Section Office

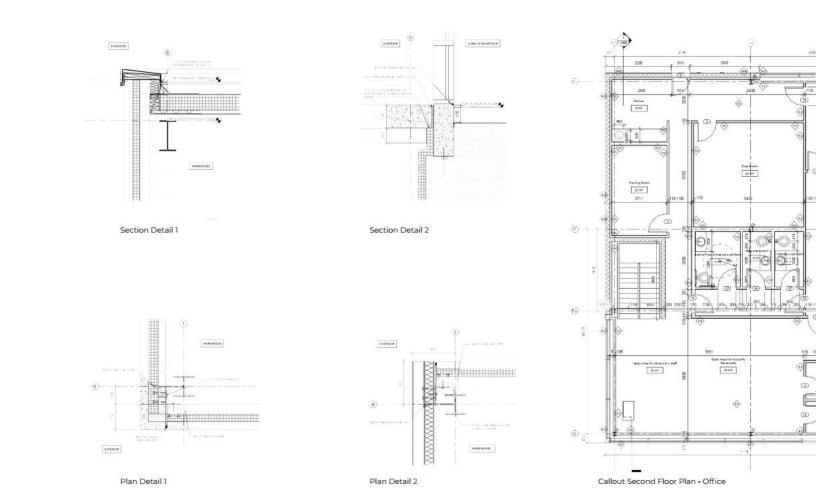


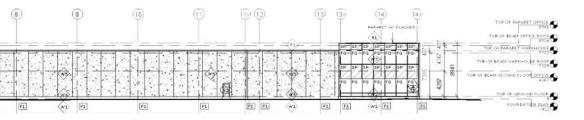
North Elevation



West Elevation

16





## 04 school project

architecture + institu

## **School Project**

#### Type

Urban Planning + Institutional

#### Location

Campinas, Brazil

#### Phase

Conceptual Design

#### Description

Institutional project developed in the university. Starting reading a urban scale and all the potentials that the lot could improve for the neighborhood. In the floor plan, all the services for the users, in the second floor, all the classes, giving more privacy.

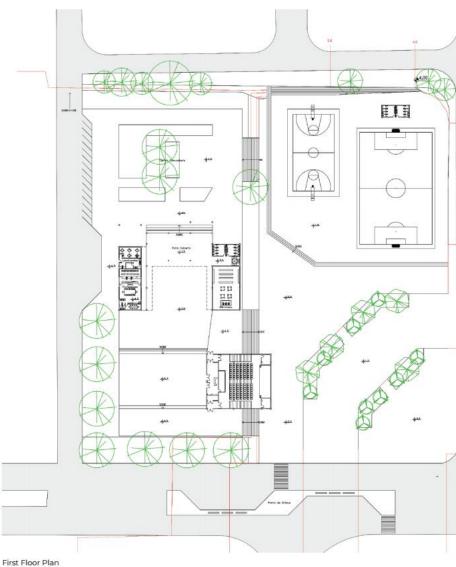
#### **Software Used**

AutoCAD, Sketchup, Photoshop, Illustrator, Lumion.

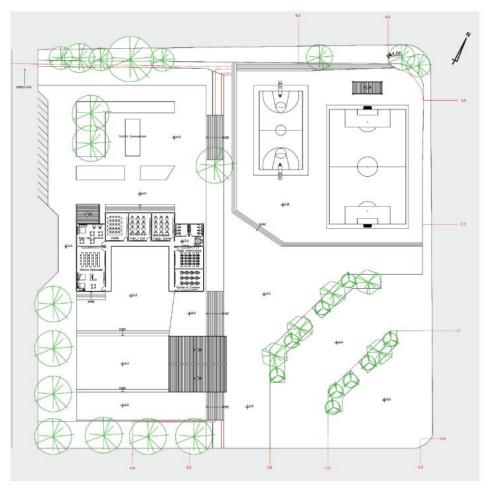
#### **Involvement**

Urban research, bus lines, necessity of the neighborhood, massing studies.





1:1000







Second Floor Plan 1:1000



# ob toronto waterfront nature interpreta centre

architecture + urban

## **Toronto Water**front Nature Interpretative Centre

#### Type

Architecture + Urban Design

#### Location

Toronto, Ontario

#### Phase

Conceptual Design + Architecture Drawing Master Planning

#### Description

Urban qualification in Guadalquivir river. The idea is to expand and increase the market value in the west side of the river, this portion of land it was before a water park, which currently is disabled.

#### **Software Used**

AutoCAD, Revit, Photoshop, Illustrator, Twinmotion.

#### Involvement

Site research, zoning by law, zoning map, technical drawings.

#### Description

The building is located in Tommy Thompson Park, Toronto, Canada. Known for its proximity to the city center and its large number of bird species and wet areas. The interpretative centre's objective is to provide a sustainable and accessible space where visitors can learn, connect to nature, observe the natural environment even being such close to the city.

The Interpretative Centre is divided in three different buildings: The main building, the cafeteria and the hostel. Every single building was created to provide a different experience to the



Site Plan







cottonwood, trembling aspen, balsam poplar, sandbar willow, red-osier dogwood

#### Site Analysis

The site analyzed in thi Tommy Thompson Par preserve the fauna and Total area: 254, 649 m2

#### Topography

#### Features of the Land

#### Climate

#### Sun Path

#### Wild life















The site is mainly composed of meadows, open areas with a mix of grass and flowers. During the summer, winds are soft coming from the East and during the winter, winds are stronger coming from West.

#### **Human-made elements**



#### Wind



#### Views



#### Surroundings



#### Vegetation







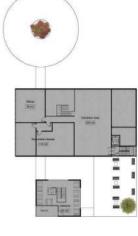










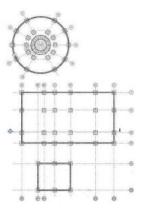




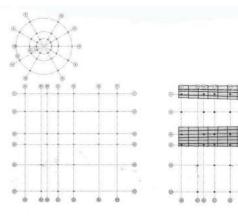
First Floor Plan

Second Floor Plan

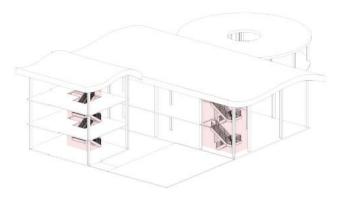








First Framing Plan Second Framing Plan



# 2. Rolled Zinc by MetaTech Global (USA) Material used for the roof and exterior walls of the bastet. Choisen for its high malesofity which allow to create the littings of a next. Its reference trequires less energy than aluminum, steel or cooper.

Metal Roof System by Morin Corp. (USA)
 Single-skin metal roof system for roof finishes. Use of the MorZio profile, providing seamless transitions from wall to roof and back again.

3. Reclaimed wood by Urban Timber (Ontario) Reclaimed ventock wood used for the exterior siding of the building. The wood is build locally and fits perfectly with its environment and the trees already on site.

Reclaimed wood by Urban Timber (Ontario)
Charried Cedar wood used for the exterior deck.
Material found locally.



5. Reclaimed Wood Flooring by Old Woo Salvage (Ontario) Wood used for floors & pariels on wall. Fours



Concrete by Carboclave (Ontario)
Concrete used for floors in order to obtain threading, Local producer using carbon decide of steam or mist in order to create a more suitable product.



#### 8. Feather Friendly® by Convenience Gri

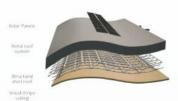
(Toronto)
Dot pattern used on windows with 4°s2" spa placed in order to protect bird.

#### Structural 3D showing the vertical circulation

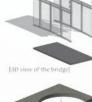
The objective of the roof's shape is to create a movement, similar to the wings of birds fying, in order to put the spotlight on tommy thompson environment and its great amount of bird species. The solar panels, oriented south, allow the building to use his own energy for lighting, using only LED to reduce the energy needed. The ceiling is made up of wood stripes that follows the shape of the roof, which gives a rice visual illusion to visitors.



In order to create a accessible and inclusive building, the design follows the Americans with Disabilities Act Standards. For example, asl hallways are 2 meters large to allow a double circulation accessible to all. In addition to that, the texture of the concrete floor is slightly different from one room to another. This systemi warn blind persons that they are leaving one room. Moreover, wood penals at BO or to I meter 20 from the floor are used on walls to indicate the path by touching them. These design details allow everybody to enjoy the full experience, regardless their disabilities.









Metal roof

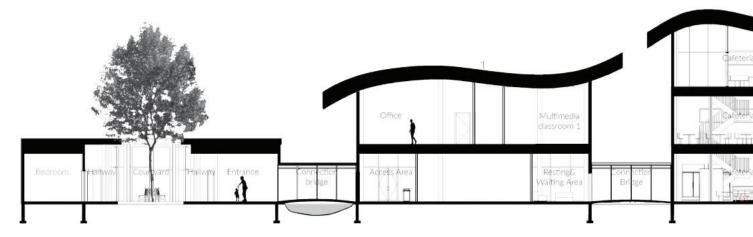
I Steel beam with pipe

Wood drainage box

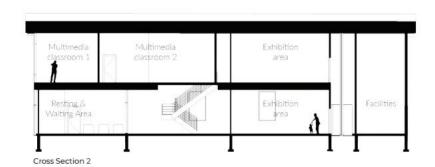
The building contains two bridges which connect to the cafeteria and the bedrooms. These bridges or transition from the main building to the cafeteria and Under every bridge, a dry shream was created by ground and using rocks. This system was created by ground and using rocks. This system catch and stow prevent the creation of wet areas in non-destrable at Walls are entirely glazed in order to provide a nice free, meadows, stream, deck area). This glazed to preserve indoor temporature and give the finistie white seeing everything outside. White of installed on the glazed panels to avoid bird wir

The courtyard is located in the middle of the he the nest appearance of the building and providing to the hallway and entrance. The objective is alsurique area connected to the nature and reserves staying in the hostel. The slope of the rocal allows to funnel the rain the pipe and the wood box, where the water will for different purposes. Given spaces like this in improve the overall standard of living one experies.





Cross Section 1









Exterior 3D view of the cafeteria and deck

06 Urban connection in Seville, Spain.

urban planning +

## Urban Qualification Guadalquivir River.

#### Type

Urban Design

#### Location

Seville, Spain

#### Phase

Conceptual Design + Master Planning

#### Description

Urban qualification in Guadalquivir river. The idea is to expand and increase the market value in the west side of the river, this portion of land it was before a water park, which currently is disabled.

#### Software Used

AutoCAD, Sketchup, Photoshop

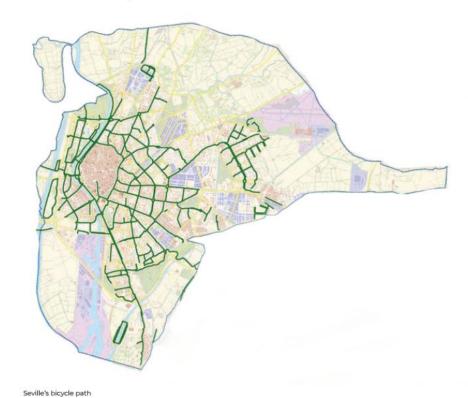
#### Involvement

Site research, zoning by law, zoning map.

## 30

#### SITE ANALYSIS

- 80% of Seville's population lives in the East Side of the Guadalquivir River, the river back then was used to connect the city to the Ocean in South. The old downtown Seville was developed in the main circle and developed for pedestrian in the 8th century BC.
- O2 Spain remains far from a paradise for bikes yet cycling has increased 11-fold in Seville in the space of a few years. In 2007, Seville's city hall created 180 km of bycicle path and nowadays is the biggest Southern European city for cycling.
- The new Seville is increasing towards East, so in consequence of that situation, the West part of Seville, is abandoned and there is just a few neighbourhoods over there such as Triana, Isla de la Cartuja (which a lot of industries are located there). So the idea is expand the West part, increasing the market value and giving a better distribution for all around the city area.



#### History and current situation

The 1992 Universal Exhibition of Seville was a turning point for the city of Seville, above all for its international image. The event left behind a new and enormous urban space and a variety of pavilions and infrastructures that were partly transformed into Isla Mágica. In the other side of the river lives more than 80% of Seville's population. And downtown Seville is right beside Isla Magica. The idea is expand downtown and create a connection around the river equaly and increase the property values (which today is low). This new area will have green space that connects all the squares, bicycle path, residential and commercial building.







#### **Bycicle Path Renovation**

Currently in the Isla de La Car rounded by industries and in sit is lacking quality of life. The row residential and commerce the bycicle paths being transfer more space for pedestrians to sidewalks. Having these bycicle European charm and lifestyle obtuing them more into the sidewalks gives the area more updated commercially and residewalks gives the commercial that how the circulation of people throunded the main existing building



Master pla 1:10000

# 07 final graduation project

architecture + urban

## Final Graduation Project

#### Type

Urban Planning + Institutional

#### Location

Campinas, Brazil

#### Phase

Urban Analysis + Infrastructure + Conceptual Design + Permit Set

#### Description

This urban study is divided in two studies: The first one is a Urban Analysis of the city of Campinas and the cities around and the second part is the institutional project. A small Cancer Hospital in Guanabara's neighborhood.

#### Software Used

AutoCAD, Sketchup, Illustrator, Photoshop, Lumion, InDesign.

#### Involvement

Site research, drafting of initial site linework, urban analysis, technical drawings, building code

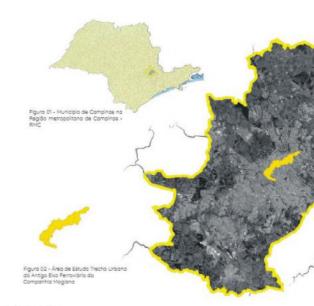
#### **Guanabara Cancer Hospital**

This project it was divided in two parts:

- 1 Once it's done the Urban Analysis, we had chosen an empty lot in Guanabara Neighborhood. The group developed: Road analysis (Campinas and Grant Campinas Area), Building Permit Regulation, Zoning-by-law study.
- 2 After finished the Urban Planning analysis, each member of the group took the responsability to develop different buildings, focusing in the currently potential that the area offers.

#### "Architecture as a way of healing"

Education and health, the base for any This two segments that make up our so In Brazil, both are under a medium cor most of the society

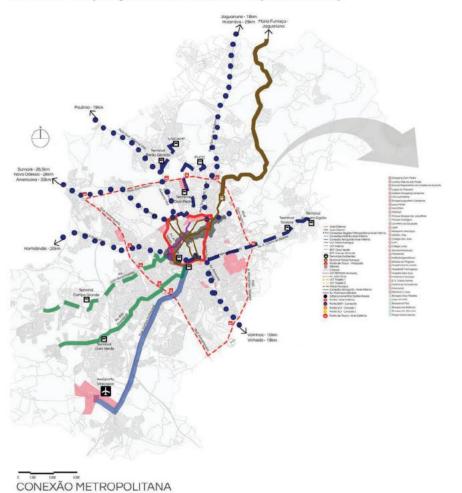


Area of intervention

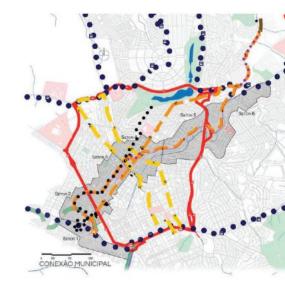


## EXPANSION AND IMPROVEMENT OF THE ROAD SYSTEM

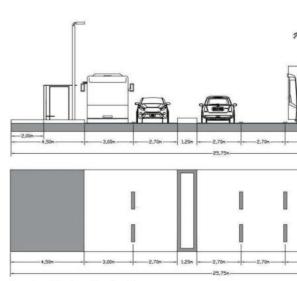
We had developed a detail study of all the roads that connects the Main city of Campinas with the cities that surround it the city. We took all the current main roads and avenues that goes toward downtown, installed bus stops, expanded the avenues with more lanes and also reactivated the old street car to try to give it back the classic stytle to the city.



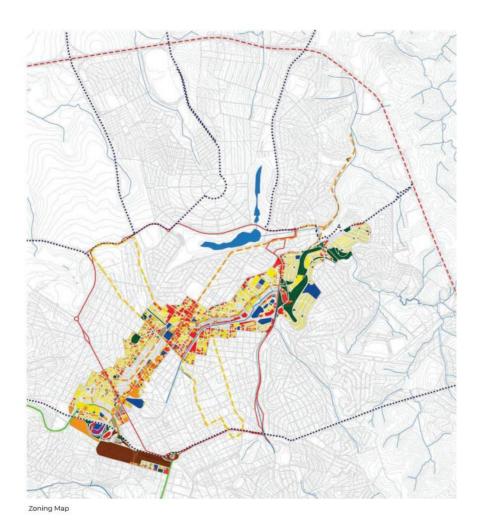
Campinas metropolitan Area

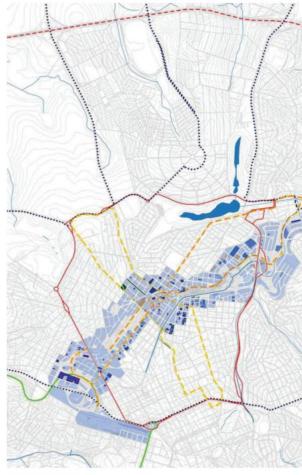


Downtown Campinas Expansion Road System



Expansion of the lanes - Guanabara Avenue.





Building Height Map



#### **URBAN RENEWAL PROJECT**

After the urban analysis we had developed some important projects to improve the area and increase the economy of region. Each m responsible for one project. Hotel, museum, social housing, hospital and a community centre. I was responsible for the development of We also expanded the bicycle path crossing all the region, giving a more possibilities

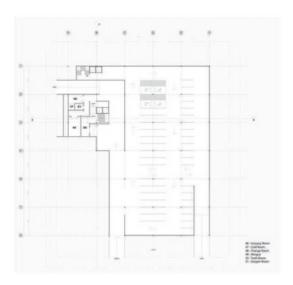




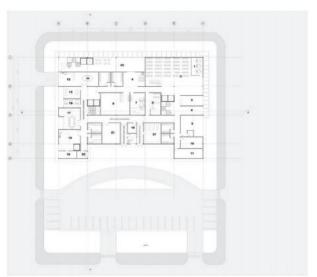


Fourth Floor

Third Floor



Underground Floor Plan



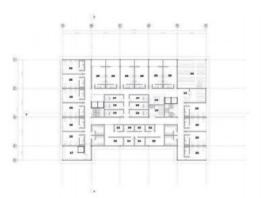
Main Floor Plan

- 1 Administration Room
- 2 Reception
- 3 Pharmacy
- 4 Emergency Entry
- 5 Insurance Room
- 6 Emergency Cases
- 7 Blood Collection 8 Report Room

- 9 Tomography 10 Endoscopy
- 11 Colonoscopy
- 12 Eating Room
- 13 Staff Room
- 14 Food Court
- 15 Manager Room
- 16 Warehouse
- 17 Meeting Room
- 18 Kitchen
- 19 Warehouse
- 20 Control Room
- 21 Clothes
- 22 Coffee/ Food Court



Second Floor Plan



Third Floor Plan



Fourth Floor Plan

portfolio thankyou, portfolio portfolio portfolio portfolio portfolio portfolio portfolio portfolio portfolio Mano