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C

After working for more than 5 years as an Architectural Designer in leading international firms, I've noticed how architecture is a representation from hidden stronger forc-

ly transforming the context where buildings will be made. In this way, our challenge as

the natural and built landscape -space-, but

designers is to innovate inside this context, objects- matter- that will not only transform

also a society, a culture, an economy - time-

ified through the creation of remarkable

singular objects that warp the existing fabric.

es. Environment, politics, economy, culture

DANIEL CELY

ARCHITECTURE PORTFOLIO/FALL 2017

sented in this portfolio come from different contexts and interests, have multiple scales. programs, as well as diverse design meth-

INDEX									
MATTER	INTRODUCTION 00_ Curriculum Vitae	RESILIENT BOSTON 01 _ Boston Waterfront Redevelopment Matthijs Bouw and Kai Uwe Bergmann Fall Studio	ASSET ARCHITECTURE 05_Asset Architecture NYC The SpeedTrader Ali Rohim's Advanced Architecture Fall Studio	COMPETITION 07_Uniandinos club Bogota, Colombia	MIXED-USE 09_ CCI Tower Barranquilla, Colombia	RESIDENTIAL 11_El Retiro Building Bogoto, Colombia	MIXED- USE 13_M Arch Thesis Hybrid Building, Bogota	RESIDENTIAL 15_Infinity Building Bogoto, Colombia	MIXED- USE 16_B Arch Thesis Water City, Bogota,CO
		WORK AT CAP 02_Summer Design Internship Contemporary Architecture Practice New York THE NEW ELEGANCE 03_The New Elegance Hina Jamelle's Spring Seminor	DIGITAL TECHNIQUE TOWER MASTER PLAN HEALTH 06 _ Ecdysozoa 1 Moma PS1 08 _ Atrio Tower 10 _ Kapikua 12 _ Santafe Hospital Digiblast Summer Workshop Bagata, Calambia Santa Marta, Calambia Bagata, Calambia	08_Atrio Tower	10_Kapikua	12_Santafe Hospital	RESIDENTIAL 14_Ukua House Palamina, Colombia		
TIME		2017		2016	2015	2014	2013	2012	2011
SPACE	MSDAAD School of Design, University Of Pennsylvania, Philadelphia, Pa		ARCH/DES El Equipo Mazzanti,Bogota, Colombia			MARCH U.Andes, Samper, Echeverri BARCH U.Andes			

MATTER: INTRODUCTION

CURRICULUM VITAE

DANIEL CELY

MS.DAAD, M.ARCH, B.ARCH, SCA

1919 MARKET STREET, 1214, 19103, PHILADELPHIA, PA / (267)461-4720 / ANDDA@UPENN.EDU / WWW.DANIELCELYARCHITECTURE.COM

WORK EXPERIENCE

I.ARCHITECTURAL DESIGN LEADER

El Equipo Mazzanti

2. DESIGNER/ ARCHITECT

El Equipo Mozzanti, GX Samper, Ana Echeverri

3.1. DESIGN INTERN

Contemporary Architecture Practice New York

3.2. STUDENT AMBASSADOR AND G'A.

University of Pennsylvania

3.3. COMPETITIONS

Evolo Skyscraper 2017, Uniandinos 2016, Plaza de la hoja 2013, Parque bicentenario 2012.

SKILLS

SOFTWARE

Adobe Design Suite Keyshot Rendering Maxwell Rendering Maya Microsoft Office Revit

Sketch Up Vray

LANGUAGES

Spanish(100%), English(100%), French(65%)

ACADEMIC

UNIVERSITY OF PENNSYLVANIA

Philadelphia, Pennsylvania, USA, 2016-2017

MS.DAAD

1.5 years Moster of science in design with a concentration in Advanced Architectural Design.

UNIVERSIDAD DE LOS ANDES

M.ARCH

2 Years Master in architecture.

B.ARCH

5 years Bachelor in architecture.

ARCHITECTURAL DESIGN LEADER

- Leading Junior architects and interns
- Concept, schematic design, design development and construction documents. Drawing direction and production.
- BIM model coordination with MEP and Structural consultants
- Design presentations to clients, stakeholders and local authorities.

EL EOUIPO MAZZANTI. 2013-2015 Atrio Towers RSH+P/Nov 2014- Nov 2015

Public Realm and North tower Belly Bogota, Colombia, 19.000 SaMt of 250,000 SaMt. 500 million dollars.

Microsoft innovation Center/March 2015

Concept Design, Design development. Cartagena, Colombia. 10,000 Sa Mt

CCI Tower/ March 2014-Nov 2014

Concept design, Design development Barranquilla, Colombia. 31,680 SaMt

Kapikua Residences /June 2014-Aug 2014 Concept Design.

Santa Marta, Colombia. Housing 17370 SqMt.

Il Giardino/ Nov2013-March 2014

Concept design, DD ConDocs Barranguilla, Colombia. 19.000 SaMt

El Retiro Building /July 2013- Dec 2013

Concept Design, Design development Bogota, Colombia. Housing 13,900 Sq Mt

2. DESIGNER/ ARCHITECT

- Assisting the Project architect in schematic design, design development and construction documents elaboration
- BIM model production under the supervision of a Project Architect.
- Technical coordination with structural engineers.

3. OTHER

- Academic, internships and other relevant working experiences.

EL EOUIPO MAZZANTI. 2013-2015

Mirador del lago Housing Project Construction Documents production

Medellin's Velodrom

Design Development documents production

Santafe's Foundation Hospital

Technical coordination with MEP and Structural consultants Construction documents elaboration.

Villavicencio's Hospital

Construction Details elaboration.

GX SAMPER ARQUITECTOS, 2011-2012

ASJ Alameda San Juan / Jan 2011-Dec 2012 Concept Design, Design Development

Barranguilla, Colombia. Urban Planning, 24 Hectares.

UKUA House/ March 2012-Dec 2012

Concept Design, Design Development, Construction documents. Palomino, Colombia. Private residence, 300 SaMt.

ANA ECHEVERRI ARQUITECTOS. 2010

Infinity building/ November 2010- Jan 2011 Local regulations and Construction documents

CAP NEW YORK- SHANGHAI.2017 Summer Design Internship

SD and ConDocs/Web design

CCTQ Headquarters

Construction Documents Production Naniina, China/30.000 SaMt

Huang Residence

Design Development and ConstructionDocs Shanghai, China/200 SaMt

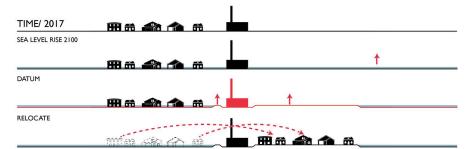
Theater

Concept Design

UNIVERSITY OF PENNSYLVANIA, 2017

MS.DAAD Student Ambassador

Graduate Assistant for Ali Rahim's Advance Architecture Studio, Fall 2017.



MATTER: RESILIENT BOSTON

01_Boston Waterfront Redevelopment Fall 2017

MSDAAD

Matthijs Bouw and Kai Uwe Bergmann Studio University Of Pennsylvania, Philadelphia, Pa.

How do buildings adapt to Sea level rise?

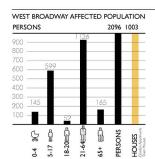
The emphasis of this studio is to identify strategies in which buildings and infrastructure can adapt to internal and external changes, having the ability to recover from disasters.

By 2100, more than 120 buildings will be underwater due to the sea level rise with the main economic loss in the industrial and commercial sector.

However, the main priority should be to protect residences affected by flooding since lives are involved. The adaptation into retail/offices of the Conedison plant, and the new yacht club are used to attract private investment. The revenue will be used to develop 1000 houses and a green barrier+datum to relocate and protect the affected West Broadway population from sea level rise.

This strategy could be replicated in adaptable buildings creating a larger flood barrier through private investment.

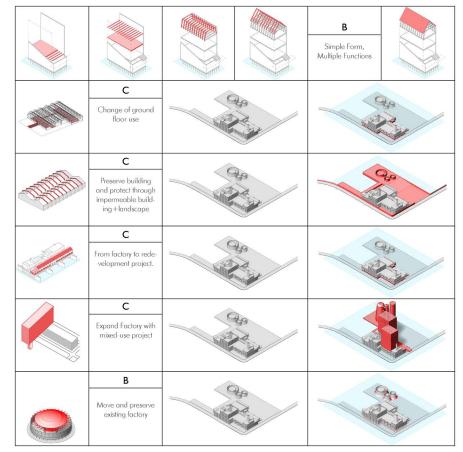
The following images are Work In Progress.

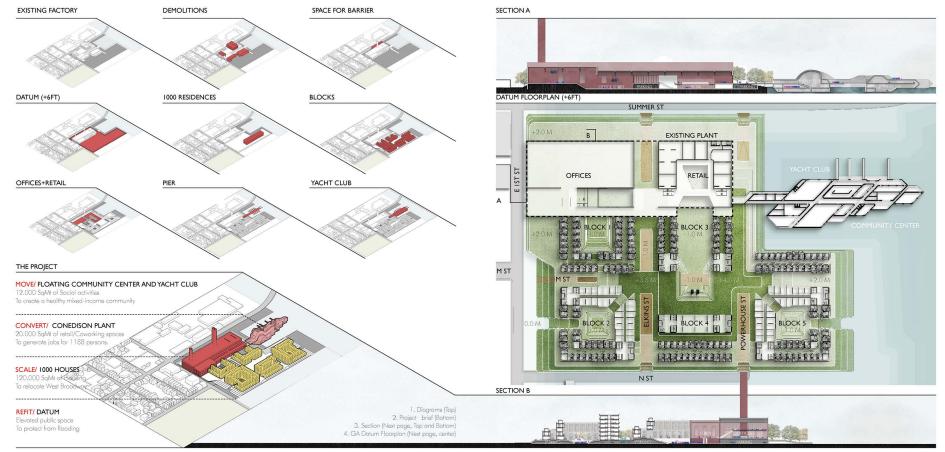






HOW DO BUILD	INGS ADAPT?			
ADJUST	Α			
Furniture, fixtures and equipment, can be re- configured easily to ac- commodate tasks.	Oversized structure on the exterior. De- mountable structure in the interior		and a second	
TRANSFORM	Α		В	
To change the spatial layout of a room.	Flexible Space Plan		Preserve Shell and Structure, Transform interior space plan	
REFIT	Α		В	
Changing the performance of a building by altering its space services, or skin	Protect from flood- ing through external systems		Preserve Shell and Structure, Interior Expansion.	THE STATE OF THE S
CONVERT	Α		В	
Refers to a change in use prompted by al- terations in the market, social demands, own- ership or occupancy	Infrastructure, to retail		Retail to mixed-use	THE REAL PROPERTY OF THE PARTY
SCALE	Α		В	
Relates to the building's capacily to change size.	Scale X, Y and Z		Pre-built core for future scaling.	
MOVE	Α	~		
Refers to the capacity of a building to move from one place to an-	Move and preserve existing facade for new use.			





MATTER: WORK AT CAP

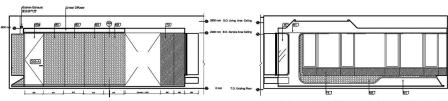
02_ Summer Design Internship Summer 2017

MSDAAD

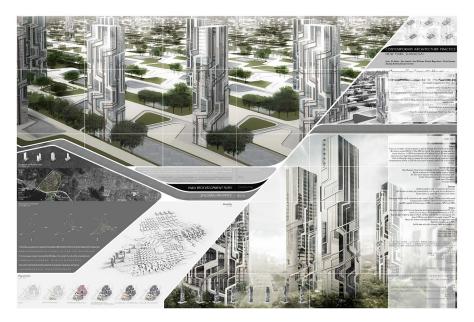
Contemporary Architecture Practice New York- Sh. University Of Pennsylvania, Philadelphia, Pa.

As part of my Master of Science in Design at the University of Pennsylvania, I decided to do a three month Curricular Practical Training during the summer of 2017 in an international Design firm -CAP New York-Shanghai, to understand how architecture firms work in the United States.

Under the direction of Ali Rahim and Hina Jamelle, I worked in two projects, a competition and an exhibition in China as well as the re-design of their website.



Huang Residence Living room North and West Elevation (Top)
 Yiwu City Exhibition Boards (Neet page, Top)
 3. CCTG (Neet page, Bottom Left)
 4. Theather (Neet page, Bottom Center)
 5. Huang Residence (Neet page, Bottom Center)









The New Elegance seminar studied how architecture has reached advanced oesthetics where new design methodologies are required to innovate.

Nowadays the use of advance digital technology the New Elegance seminar studied and innovative methodology, the class used the diagram as a tool to achieve complex are required to innovate.

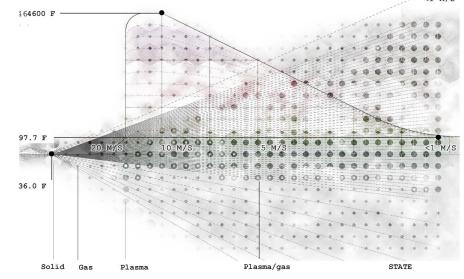
As an innovative methodology, the class used the diagram as a tool to achieve complex are required to innovate.

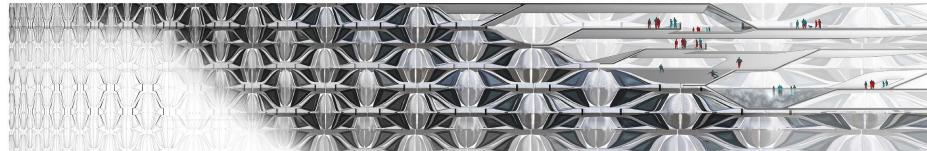
As an innovative methodology, the class used the diagram as a tool to achieve complex are required to innovate.

niques has created a new elegance where a single element has the ability to be structure, surface and space. Fluidity, Continuity, and transformations, were some of the topics studied every week through in-class discussions.

I studied the combustion process. A flame in contact with gas, changing from solid(spray-can), to gas, to plasma. Qualities such as the temperature, the state of matter, and the speed where measured, and drawn.

This section shows a transformation from an object, to a field, through the accumulation of parts to form the whole. Each of the three segments has the qualities of the states of matter described in the diagram. The first part (left) shows the initial quality of the gas. The second part (middle) shows the combustion when the gas collides the plasma- from one state to the other. The third part shows how the plasma starts to dissolve in the medium, reducing its temperature.





MATTER: MUSEUM IN TOKYO

04 Andy Warhol Museum in Tokyo, Japan. Spring 2017

Hina Jamelle's Advanced Studio. University Of Pennsylvania, Philadelphia, Pa.

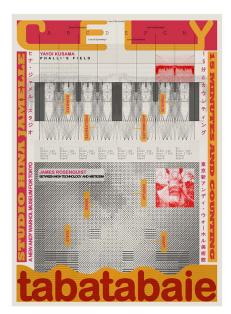
The studio explores the diagram as a tool to develop new typologies and new types of aesthetics for a Museum in Japan. Through the analysis of two contemporary pop art pieces and their qualities, the diagram is built, to be later transformed into architecture. Through this process the main qualities, effects and affects of the art pieces are embedded in the final design for the building, creating unusual spaces with outstanding characteristics.

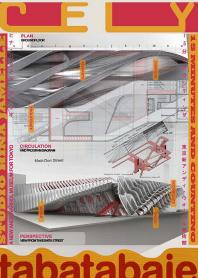
The two large boards in the following page were done for the 'end of the year exhibition' at Upenn. The first board shows the analytic diagrams made for Yayoi Kusama's installation, and James rosenquist painting. The main qualities identified are marked with a vellow tag on each.

The second board shows how each of these qualities are also present in the architectural design, making evident the direct relation between the diagram and the building.

- 1.Diagram based on Kusama and Rosenquist (Top Left)
- 2. Museum general plans and perspective (Top Right)
- 3. Board template design for other teams. (Bottom)

*The design of the boards was inspired by Kisho Kurokawa metabolist poster (1970).







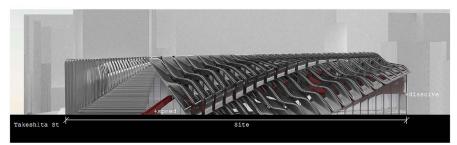


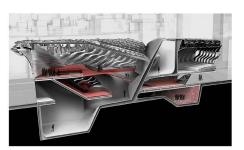


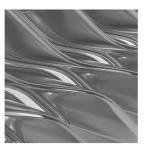












1. Locatio

2. Facade on Meiji Dori St. (Center)

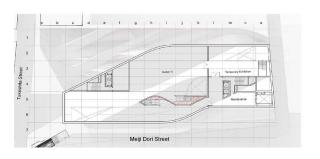
3. Section (Bottom Left)

4. Srf Detail (Bottom Right)

SITE

The Pop art museum is located in Shibuya, Tokyo in the intersection of one of the most dinamic streets -Takeshita and Meiji Dori Street. However, on the north is limited by the Togo Shrine which has a sacred character.

The architecture of the building acts as a buffer between the two situations, decreasing the speed from takeshita street to meet the character of the shrine though its geometry and inner circulation.



00 GROUND FLOOR

The ground floor has a public caracter: with the cafe/ store in front of a open space, and active meeting point is created.

Then, to transform the mood from visitors, the access to the museum is on the first floor, creating a limit between common/sacred.

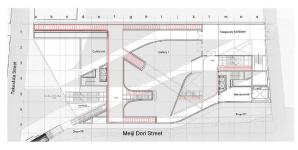
FACADE

The facade- on Meiji Dori- shows the transformation from the fast to the sacred environment reducing its scale and thickness.

01 FIRST FLOOR

Once the visitors access the museum they can circulate freely through a continuous path that will guide them, and will show the art pieces from different perspectives -above, bottom, front - Through their movement and actions, they become part of the pop culture as they take photos of themselves and from others walking on this path(catwalk) post them online and become social icons.

5. Basement Plan (Top)
6. Ground Floor Plan (Middle)
7. First Floor Plan (Bottom)





MATTER: ASSET ARCHITECTURE

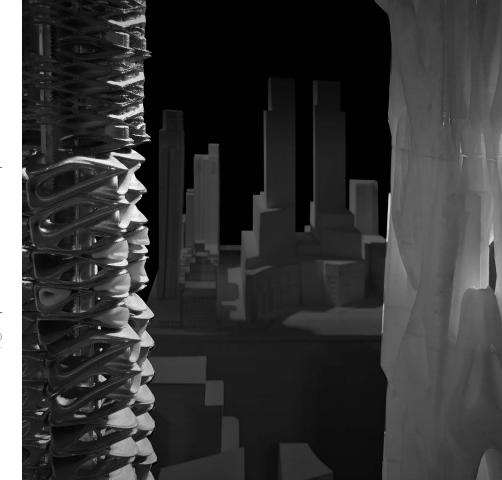
05_ Asset Architecture NYC The SpeedTrader | Foll 2016

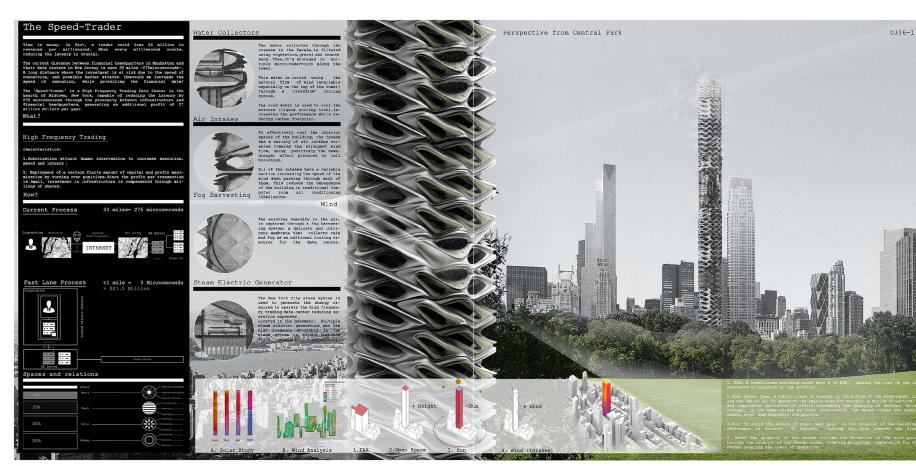
MSDAAD Ali Rahim's Adv. Architecture Fall Studio University Of Pennsylvania, Philadelphia, Pa. Time is money. In fact, a trader could lose \$4 million in revenues per milisecond. When every milisecond counts, is crucial to reduce latency.

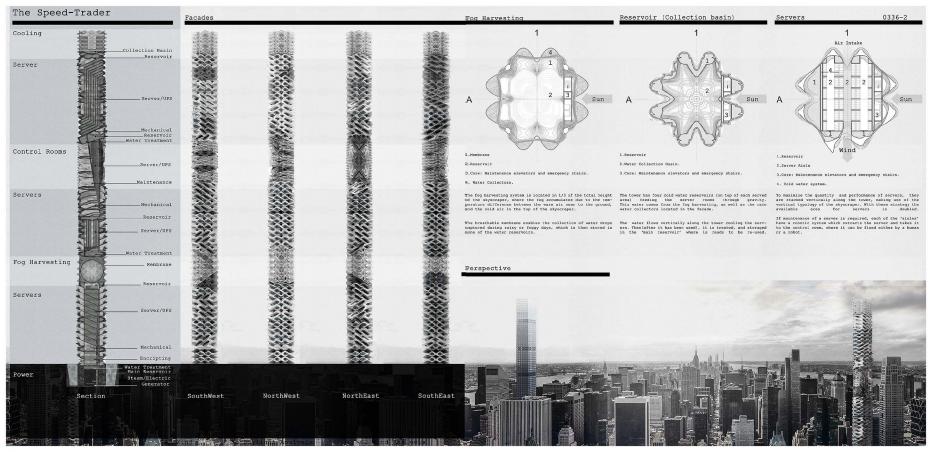
The current distance between financial headquarters in Manhattan and their data centers in New Jersey is near 33 miles-275 microseconds-. A long distance where investment is at risk due to the speed and hacker attacks.

The 'Speed-trader' is a High Frequency trading data center in Midtown, New York, capable of reducing the latency by 272 microseconds through its location and performance (form), generating additional profit of 27 million per year.

1.Physical model (next page)
The speed trader tower is on the left.







MATTER: DIGITAL TECHNIQUE

06_ Ecdysozoa | Moma PS1 | Summer 2016

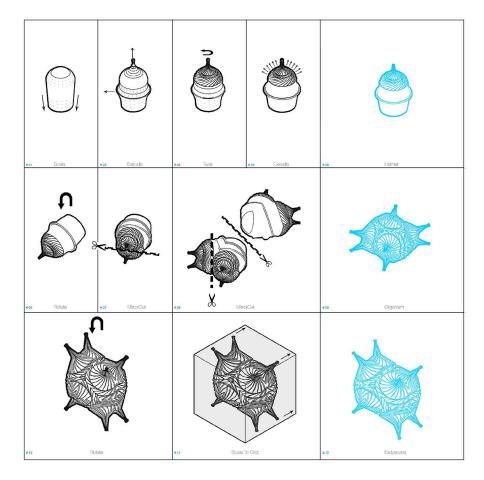
MSDAAD

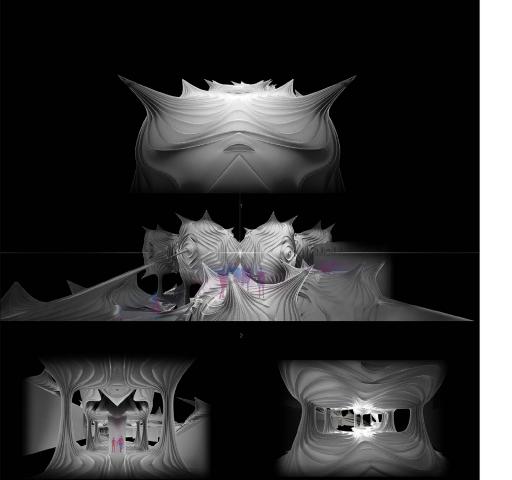
Digiblast Summer Workshop I University Of Pennsylvania, Philadelphia, Pa As part of the MSDAAD a summer digital workshop is required to learn the design software that will be used along the program. As a result from this workshop, a competition between all the students is held, to design an advanced pavilion for the Moma PS1.

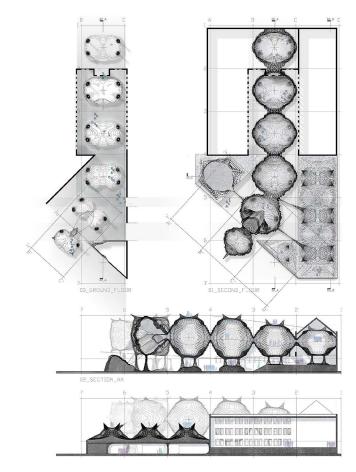
Ecdysozoa explores the transformation from an armory helmet to a pavilion with animal appearance through the use of simple design techniques.

This was the winning entry for the 2016 MS-DAAD Digiblast.

1.Perspective of the roof surface (top)
 2. View From the terrace (middle)
 3. View from the entrance (Bottom left)
 4. View from the 'promenade' (Bottom right)







MATTER: COMPETITION

07_Uniandinos club Dec 2015- Feb 2016

Independent work Public competition Bogota, Colombia

The competition for the new Uniandinos club was a short but challenging project since it had many constraints that had to be taken into account.

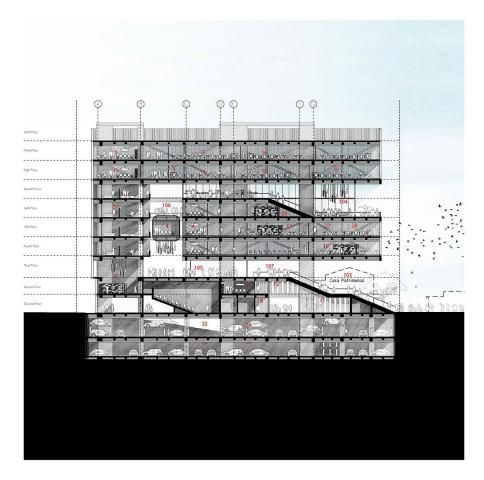
First, the existing club had to be integrated to the new construction, but it couldn't be modified since its a historic building. Second, the site was conformed by three smaller sites each of them with different regulations which controlled the program and the height.

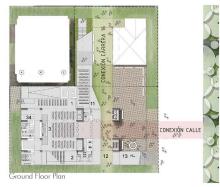
Third, the program included cultural spaces -like auditoriums and Galleries-, educational spaces -classrooms for students-, Irolet-guest rooms, studios, and restaurants-, and offices which implied a challenging vertical and horizontal circulation.

Instead of doing a closed building, where all the action occur indoors, I decided to use a void as the connector to show the movement. This public space became an extension of the placar in front of the building, successfully connecting and separating the different programs through the communal spaces such as restaurants, meeting rooms, terraces and open auditoriums.

The platform (3) has all the cultural spaces connected to the existing two story building, the west building(37) is the hotel, the east building (28) is the educational spaces, and the top volume are the offices.

1. Section through the platform entrance showing the void(106), the different programs, and the existing club (103) (right)



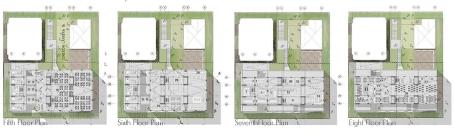


















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page).

Second basement Plan

1. Floor Plans (Top, left and right

Main entrance rendering (next page, middle right).
 Bird's eye view (Bottom Right).
 View over 92nd Street (Next page, bottom)..

MATTER: TOWER

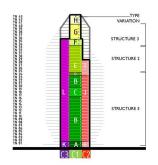
08_ Atrio Tower Nov 2014- Nov 2015

El equipo Mazzanti+ RSH P Architectural Design Leader Public Realm and North tower Belly Bogota, Colombia 19.000 SqMt of 250.000 SqMt. 500 million dollars.

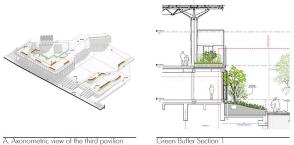
Plot Area: 2845 SqMt. Gross Floor Area: 250.000 SqMt. Communal Area: 10.000 SqMt. In El Equipo Mazzanti, I worked in the design development of a 250, 000 SqMt project in Bogota, Colombia. Designed in partnership with Rogers Stirk Harbour and Partners, the design and construction represented an enourmous challenge since its the first project of this scale built in the city. As an Architectural design manager, My role was to lead the junior architects and interns in the production of the ConDocs for the public realm (19.000 SqMt), the coordination of the revit model for the whole project (250.000 SqMt), coordination with MEP and structural consultants, and presentations in the Design Team Meetings and Workshops

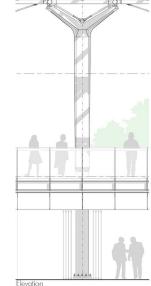
1. Physical Model. Image from Archdaily, property of Rogers, Slirk, Harbour and Partners+ El Equipo de Mazzanti











E G1 C2 RLOORFLAN DIAGRAM



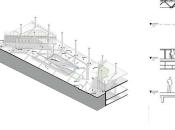
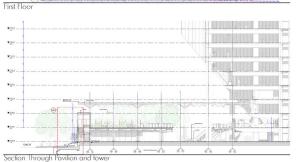




DIAGRAM Made for revit BIM model and project Coordination for the North

The selected drawings are part of one of the construction document sets we designed, coordinate and drew in partnership with the architects from Rogers Stirk Harbour.

As Arch. design manager for the public realm, I was responsible for the coordination of the Revit model (public realm, basements, and towers) ensuring the quality of the project and the drawings.





quirements of our client (Qbo) and the local authorities. All these documents were presented on time, and succesfully approved by the local authorities and our client. Currently they are being used for the construction of the Phase 1.

Also, leading our local team to meet the

schedule, as well as coordinating the design

with the engineering team (Arpro/Ellis Don,

Poch/Arup), and the lanscape architects (Gillespies/ Diana Wiesner), meeting the re-

Green Buffer Elevation

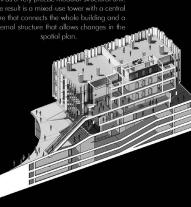
MATTER: MIXED USE

09 CCl Tower

Nowadays, office buildings are conceived as static blocks, unable to change in time due to the lack of flexibility. In fact, these buildings usually have only one type of activity/use, which make them commercially unattractive

flexibility stacking three volumes connected different types and sizes of offices, and in the

To make this possible a detailed study of











TIME/2014

HOW TO DO IT

The topography has been modified to generate a direct relation between houses and

Following the new topography a green forest is created within. A space for contemplation that connects the whole project, giving each house a forest-front view and a direct access to pedestrian paths.

In order to separate vehicular from pedestrian mobility, roads are conceived as a ringroad allowing cars to circulate fastly and pedestrians to have a 'promenade' experience in the forest.

MATTER: MASTER PLAN

10 Kapikua June 2014-Aug 2014

Architectural Design Leader

Concept Design. Santa Marta, Colombia

Plot area: 57.945 Sa Mt Gross Floor area: 17370 Sa Mt. Communal facilities area: 2171 Sa Mt. Green Forest area: 28,000 Sa Mt

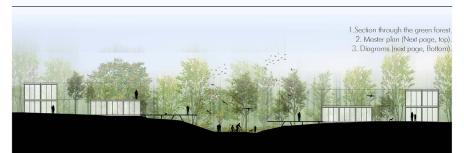
Kapikua is a residential complex located in the city of Santa Marta, Magdalena. A tropical city surrounded by the Caribbean sea. The 5.7 Hectares site has a unique view over the sea, as well as the trace of an old river that crosses the site. Two determinant factors for the urban design of the project.

Even though our client's initial statement was to create tall buildings next to the sea, it was not possible since there is an existing hotel that had to be involved in the design, and the local regulations would not allow to create such an invasive structure.

For these reasons, we decided to invert completely the scheme. We understood the path of the old river as the essence of the project, creating a communal space where all the houses were equally distributed, in direct relation with nature

Concept

Transform the old river in the main space -Heart- of the project, through the creation of a Green Forest that allows a direct relation between habitants and nature

















6. Pedestrian

1. The Site

Existing trace of an

old river.

2. Topography

Modify Topography

3. Communa

nal spaces where the

different streams in-

tersect.

Green forest Creation of Commu- Create a green forest as the main connect-

ing structure.

5. Phases

Divide the project in two phases to facili-

Connect the different

blocks and the communal spaces using tate its development. pedestrian bridaes.









Cut





Cover



Traditional Building Calculation of the max-

imum FAR for the site.

Divide

Subdivision of the mass in equal structural units to facilitate construction process

Cover the comunal

Hide

Active Facade

MATTER: RESIDENTIAL

11 El Retiro Building July 2013- Dec 2013

Architectural Design Leader

Concept Design Bogota, Colombia

Plot area: 2.329 Sq Mt Gross Floor Area: 13.900 Sq Mt Usable Area: 6.860 Sq Mt Communal Area: 7.040 Sq Mt

How to Dissolve the existing boundary between the buildings and the mountains in Bogota?

El Retiro Building is located in Bogota, in the neighborhood 'Rosales'. This place is the boundary between the city and the mountains, a fact that has been ignored by other buildings for years.

The building is an extension of the mountain, through an strategy of 'camouflage', using patios and vertical gardens it becomes invisible from the distance, giving also to its users a 'garden in the sky'





West Facade (Entrance)



West Facade (Entrance)



West Facade (Entrance)



East Facade (Entrance)



East Facade (Entrance)



East Facade (Entrance)





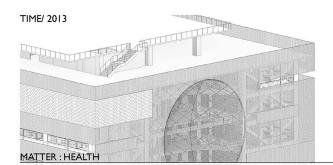












12_Santafe Hospital February 2013- July 2013

El equipo Mazzanti Design Architect

Design Development

Gross Floor area; 30,000 SaMt

Technical coordination with MEP and Structural consultants.

Construction documents elaboration,

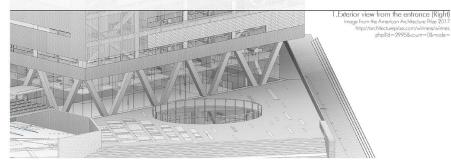
The Santafe Foundation hospital is located in Bogota, Colombia as part of the expansion of a private reknown hospital.

The main goal of the design was to change the traditional image patients and staff have from hospitals by introducing the concept of Biophilia.

The inclusion of green spaces along the tower, generates a vertical forest which can improve the healing process by reducing patient's blood pressure and stress.

As part of the design team my main responsiblity were performing the technical coordination with the MEP engineers, and producing the construction drawings (GA's and details).

The project was succesfully constructed and has won multiple awards including the American Architecture Prize 2017.





1.Level 10 Floorplan

2. Interior view from the Solarium Image from the American Architecture Prize 2017 http://architectureprize.com/winners/winner. php?id=2995&count=0&mode=

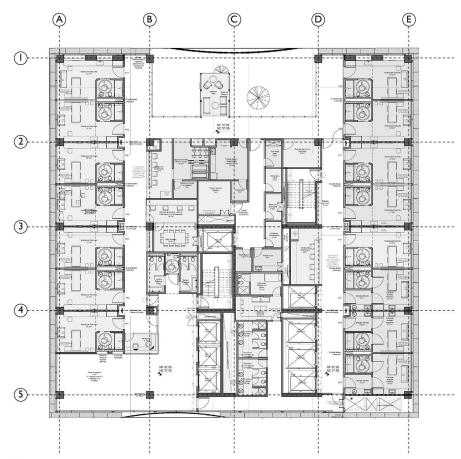
3. Interior view from the waiting room Image from the American Architecture Prize 2017 http://architectureprize.com/winners/winner. php?id=2995&count=0&mode=

4. Axonometric section of the solarium.









TIME/ 2012

MATTER: MIXED USE

13_M Arch Thesis I Hybrid Building Spring/Foll 2012

M Arch Universidad de los Andes Bogota, Colombia Nowadays, Bogota suffers an enormous mobility problem caused by the increasing number of private vehicles, the lack of road infrastructure, the lack of mass transit systems, and specially the city's zoning

Daily millions of persons that live in the periphery of the city travel downtown for different reasons, such as obtaining goods and services, work, study, or others.

This situation may be solved through interventions of urban acupuncture with hybrid buildings that condense all types of activities inside, which arranged in strategic places of the city, may attract local population. These proposals avoid the long commuting, through a new type of mobility, the tridimensional mobility.

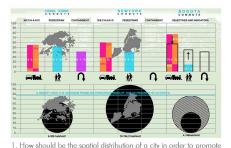


Case Based Design Tool

A CBD tool was used to organize this research. Its composed by a main question, which is answered overlaping the conclusions of three secondary questions

Main question: Is it possible to improve the mobility in Bogota through hybrid buildings?

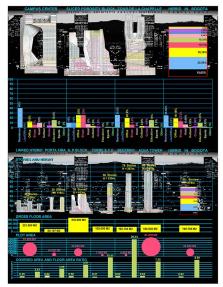
- 1. How should be the spatial distribution of a city in order to promote the pedestrian mobility?
- 2. What uses and how many square meters should have the buildings in order to create a self-sufficiente intense and vital city?
 - 3. How to generate a profitable business model



the pedestrian mobillity?

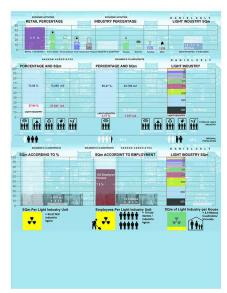
A city must be dense, compact and intense to promote the pedestrian mobility

- In Bogota pedestrian trips should be promoted, increasing their percentage to 45.5%, and mechanical trips should be reduced to 54.5%
- In Bogota is recommended to reach a district self-containment close to 41% as in Hong Kong. This action should be done through mixed use buildings that allow proximity between activities, so they promote pedestrian trips.
- The desired density for a pedestrian city should be over the 7722 Hab/ SqKm. That means increasing Bogota's density in 3576 Hab/SqKm



2 . How should be the spatial distribution of a city in order to promote the pedestrian mobillity?

- •The intervention places chosen to house the prototipology of hybrid buildings are Bosa, Ciudad Bolivar, and Usme since they are the 3 districts with the longest daily commuting to obtain goods or services
- $^{\bullet}\text{Living}$ is one of the main components in this type of building with a percentage near to 25.50%
- A Hybrid Building should have 169.705m2, 50 Stories, with 178m of height. Also, an ideal plot would have -3.36 ha-, with a 52% of covered area, and a floor area ratio of 8.50.



3. How to generate a profitable business model

- Bosa has a great opportunity in the commercial and industrial sector.
 However, industry may be a difficult activity to mix with housing due to its congestion, contamination, and activities- creating an opportunity for light industry
- According to (ORA,2012) the recommended light industry for Projects that involve housing is the small urban fabric, construction and related businesses, Clean/green economy and clean technology, life sciences/ biotechnology, digital media and information technology.
- •The hybrid building should have a total of 7080 SqMt of light industrythat represent a (4.17%) over the total of constructed square meters- in 79 independent spaces .Light industry is placed in the first two floors

TIME/2012



14_Ukua House March 2012-Dec 2012

GX Samper Arquitectos Design Architect

Concept Design, DD, Con Docs. Palomino, Colombia.

Private residence. 300 SqMt.

Ukua is a residential development near la Guajira, Colombia; a site with spectacular view to the caribbean sea. One of the main regulations of the urbanization is to build with local materials such as brick, and palm trees in order to have a homogenous appearance in all the houses.

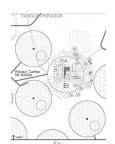
There were to conditions of the site that guided the design: The main view towards the north—where the sea is-, and protecting from the sun.

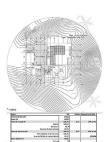
A simple inclined roof fulfills the objective of framing the view from the first floor, protecting from the sun on the East and West.

Then, for the social spaces the palm tree roof has a great finish but for the rooms and bedrooms, is preferable to use masonry walls and flat roofs.

The house was divided in two levels. A masonry ground floor for the rooms, and a palm-tree first floor for the social spaces with a unique view over the caribbean.





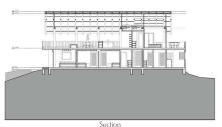


GA and Areas

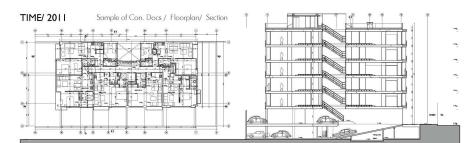








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MATTER: RESIDENTIAL

T5_Infinity Building November 2010- Jan 2011

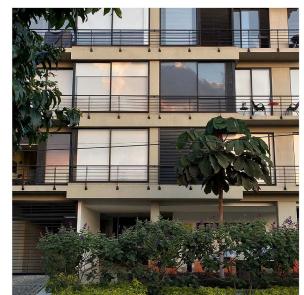
Ana Echeverri Arquitectos Design Architect

Construction Documents Bogota, Colombia

Gross Floor Area: 14,000 SqMt

Perspective (bottom)
 Amain Facade (right)
 Perspective (next page)









16_B Arch Thesis I Water City

Mixed use and Public space Spring/Fall 2010

B Arch Universidad de los Andes Bogota, Colombia Due to its fast and unplanned growth, Bogota has been suffering from bad urban mobility for more than a decade.

Daily, millions of commuters travel from the periphery to downtown generating an unsustainable mobility.

How could we imagine a new type of city where everything is reachable in short time and distance, improving environmental quality and human interaction? 1. Perspective from the Fucha river.
2. Housing Master Plan
3. The 'Main canal' perspective. (Top)
4. Concept Diagrams. (Bottom)





Traditional City Block



Advantages DisAdvantages

-Human Scale
-Urban Precinct
-Street Relation
-Pedestrian/car -Shared

Modern City Block



Advantages DisAdvantages
- High Density: 150 HVHa - No Human scale

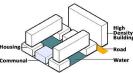
-Open Space

-Pedestrian/ car sepa-

rate space

-No Human scale
-Uncontained public space

Hybrid City Block



Advantages

-High Density: 150 HVHa -Human Scale -Open Space -Urban Precinct -Street Relation -Pedestrian/ car separate space

WOULD YOU LIKE TO KNOW MORE?

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