CARLOS MOTIN

Architecture, Design & Visualization

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Portfolio 2024

About Me

I'm a licensed Peruvian architect (an active green card holder) with more than fifteen years of experience working in a variety of architectural fields, with my most recent years in Chicago, IL. I'm a creative and passionate person who brings a unique perspective to design challenges. I'm a quick learner and avid researcher, always seeking out new innovative tools and ideas. I can identify my strengths as the following:

Innovative design: *The abstraction and discussion of ideas, brainstorming and the exploration of the different possibilities for the space that reflects a unique and clear concept.*

Architectural visualization: *By mastering 3d architectural visualization, I've been able to explore designs, ensuring the final product aligns seamlessly with my concept and vision in the most realistic way. Lighting and photography play an important role in reflecting the true identity of the project.*

Project presentation: *My goal is to provide project presentation materials that create an impact on the client, understanding that earning the client's trust and motivation is vital to the project's success.*

I am an admirer of nature and explorer of new sensations and perceptions, which are then transmitted to my designs through spaces, materials and landscaping. I highly value the relationship of each project in connection to its environment, and furthermore to the interior and the user's relationship to the outside.

Interest and Hobbies
Photography, rendering, virtual reality, augmented reality, reading, running, tennis and travelling.

Professional Experience

1. Architectural Designer
Nicholas Design Collaborative (Architectural Studio - Chicago)
05/2022 - Current
Design and manage high-end residential and small commercial projects. Responsibilities range from site study to permit set drawings including construction details and consultant cordination.
Reference projects: 3132 N. Kenmore, Chicago (schematic design, design development and construction documents for a new single residence) / 4912 N. Western, Chicago (design development and construction documents for a comercial addition) / 1500 Tryon Road, Michigan City, Indiana (design development for a new single residence) / 1334 W. Elmdale, Chicago (design development for a multi-unit residence renovation) / 3565 First Avenue, San Diego, California (concept & schematic design for a new multi-unit residence).

2. Visualization Specialist
Studio Gang & Studio ORD (Architectural Studio - Chicago)
07/2021 - 05/2022
Generated the architectural visualization, animations and virtual reality for design studies and client presentations.
Reference projects: O'Hare International Terminal (Chicago) / Berkeley Building (California) / Harvard Treehouse (Boston) / Project Bergere Competion (Paris) and Summerlin (Las Vegas).

3. Design Architect
FGP Atelier (Architectural Studio - Chicago)
07/2019 - 07/2021
Collaborated and implemented early phases of transport, commercial and residential projects. Responsibilitied ranged from site study to schematic design. Produced architectural drawings, visualizations and animations for client presentations.
Reference projects:
International Airport for Mexico City
International Airport for Tulúm (Mexico)
Tren Maya Station (Mexico)
Radar-t (Smart City)
Terminal at Guadalajara Airport Competion (Mexico)
Poder (Latino comunity centre at Chicago)
The Lighthouse of Humankind at Viña del Mar (Chile)

4. Architectural Design & Visualization
Freelance (Architectural and Visualization Studio - Lima)
08/2014 - 02/2019
Implemented commercial and residential projects in Peru. Directed all phases of projects from site study to construction administration. Created visualization and graphic designs for promotion and sales in real state.
Reference projects at cmotin.com

5. Principal Architect
Artem Arquitectura (Architectural Studio - Lima)
10/2012 - 08/2014
Designed and supervised residential projects. Led all phases of the project ranging from meeting clients' needs, permit set, bidding to construction supervision.
Reference project: Caballeros beach house (multi-unit residence) / Cocachacra house (new single residence) / Alfredo Salazar 621 (apartment addition) Travelling Theater (inflate stucture movilized by two trailers).

6. Architect
Avianca (Airline Company - Lima)
07/2011 - 10/2012
Managed and implemented designs, construction documents, consultant coordination, budget and project management of the company's buildings. Projects included offices renovations, retail and airport facilities in Lima and South America.
Reference projects: Avianca Lima offices renovation / Training center / Aircraft maintenance area.

Education

School of Digital Arts Architectural Visualization *(08/2008 - 12/2008)*

Peruvian Architecture License Registered Number 13,572 *(07/2006)*

Universidad de Ciencias Aplicadas (UPC) Bachelor of Science in Architecture *(03/1998 - 12/2004)*

Skills

Software
Revit, Autocad, 3d Studio Max, Vray, Rhino, Unreal Engine 5, Twinmotion, Enscape, Sketchup, Photoshop, Indesign, Illustrator, After Effects, Premiere, Lightroom and MS Office.

Languages
Spanish and English.

Other
Dedicated self-learner; Interests: Photography, Running, Tennis
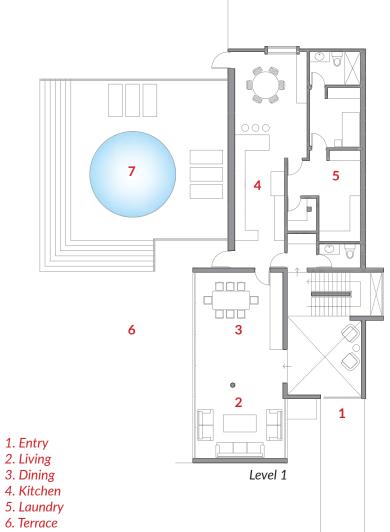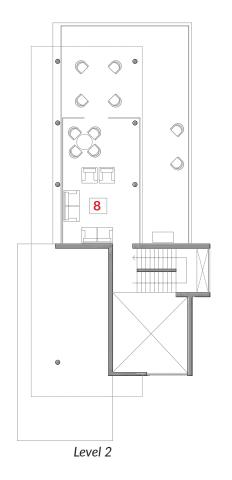
Index

Edge House

Edge House

The ultimate design concept of **Edge House** is to create complete transparency of light and vision, connecting each floor with the main outdoor space. The three levels of the house are clearly separated by a horizontal tension between the different volumes. The first level contains the main social spaces, pool terrace and the service areas. The second level is the transition floor and contains a more secluded entertainment area. The third floor provides the most privacy for the bedrooms. Project video: http://cmotin.com/index.php/interactive-rendering/
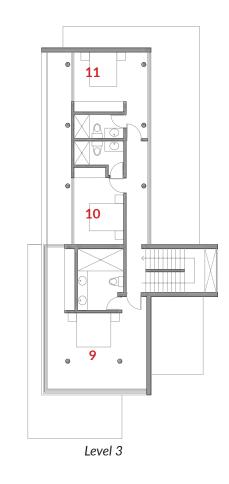
Level 1

Level 2

Level 3

1. Entry
2. Living
3. Dining
4. Kitchen
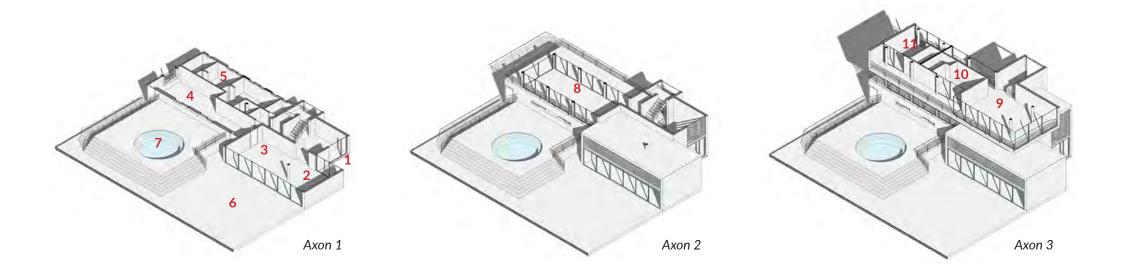5. Laundry
6. Terrace
7. Pool
8. Family Room
9. Master Bedroom
10. Bedroom 1
11. Bedroom 2

Axon 1

Axon 2

Axon 3

1. Entry
2. Living
3. Dining
4. Kitchen
5. Laundry
6. Terrace
7. Pool
8. Family Room
9. Master Bedroom
10. Bedroom 1
11. Bedroom 2

Elevation 1

Elevation 2

Elevation 3

Architectural Design   Carlos Motin
Digital Modeling   Carlos Motin
Architectural Visualization   Carlos Motin
Software   Revit, Autocad, 3d Max, Vray, Photoshop, Illustrator, Indesign and Lightroom

La Pendiente House
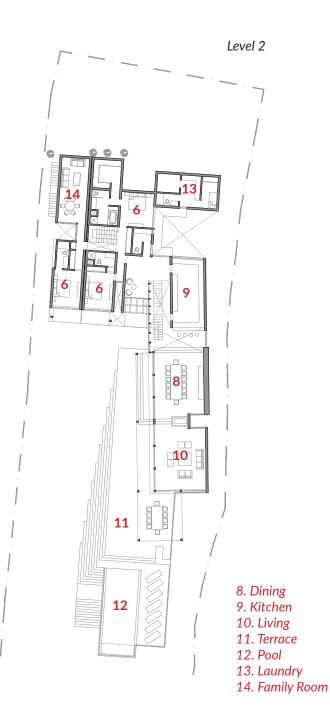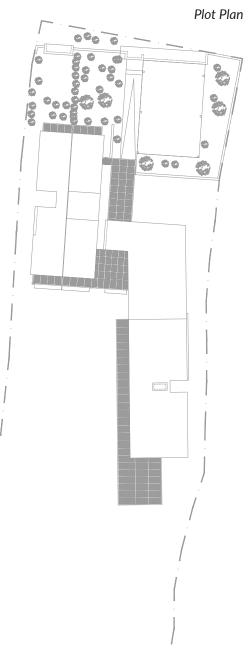
La Pendiente House
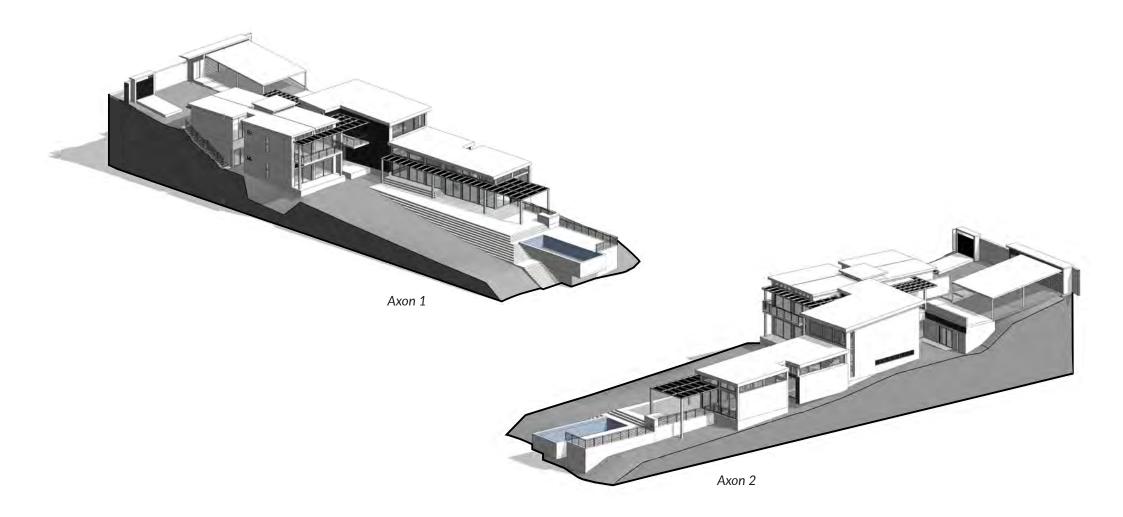
This country house is located in Cocachacra, Lima-Perú. The design concept was to maximize the natural incline and generate different spaces and visuals at varied levels. The spaces are distributed along a main axis to anchor the project.

Level 1

Level 2

Plot Plan

1. Entry
2. Parking
3. Open to Below
4. Lookout
5. Foyer
6. Bedroom
7. Guesthouse

8. Dining
9. Kitchen
10. Living
11. Terrace
12. Pool
13. Laundry
14. Family Room

Axon 1

Axon 2

Exploded Axon

Section Axon

Architectural Design   Adrián Espinosa-Saldaña & Carlos Motin
Project Area   6,716 sq. ft.
Digital Modeling   Carlos Motin
Architectural Visualization   Carlos Motin
Software   Autocad, Revit, 3d Max, Vray, Photoshop, Illustrator and Indesign.

Bonanza Hostel

Bonanza Hostel

This project is located on Bonanza beach in Tumbes, Perú. We designed two buildings separated by a central visual axis. Shared social spaces can be found in the two story building. The three story building boasts eight comfortable rooms with excellent views.

1. Entry
2. Parking
3. Storage
4. Security
5. Front Desk
6. Bar
7. Staff Bedroom
8. Room
9. Restaurant
10. Laundry
11. Kitchen
12. Bar
13. Owners Bedrooms

Level 1

Level 2

Level 3

Plot Plan

Social Area

Project Axis

Private Area

Axon 2

Axon 1

Elevation 1

Elevation 2
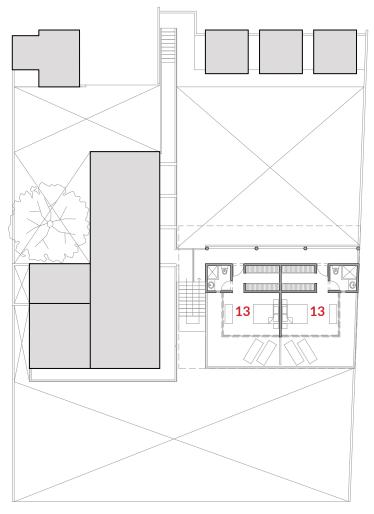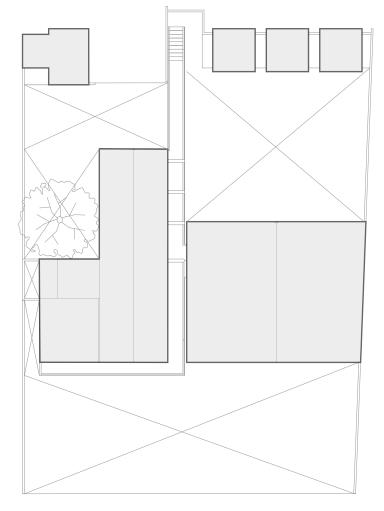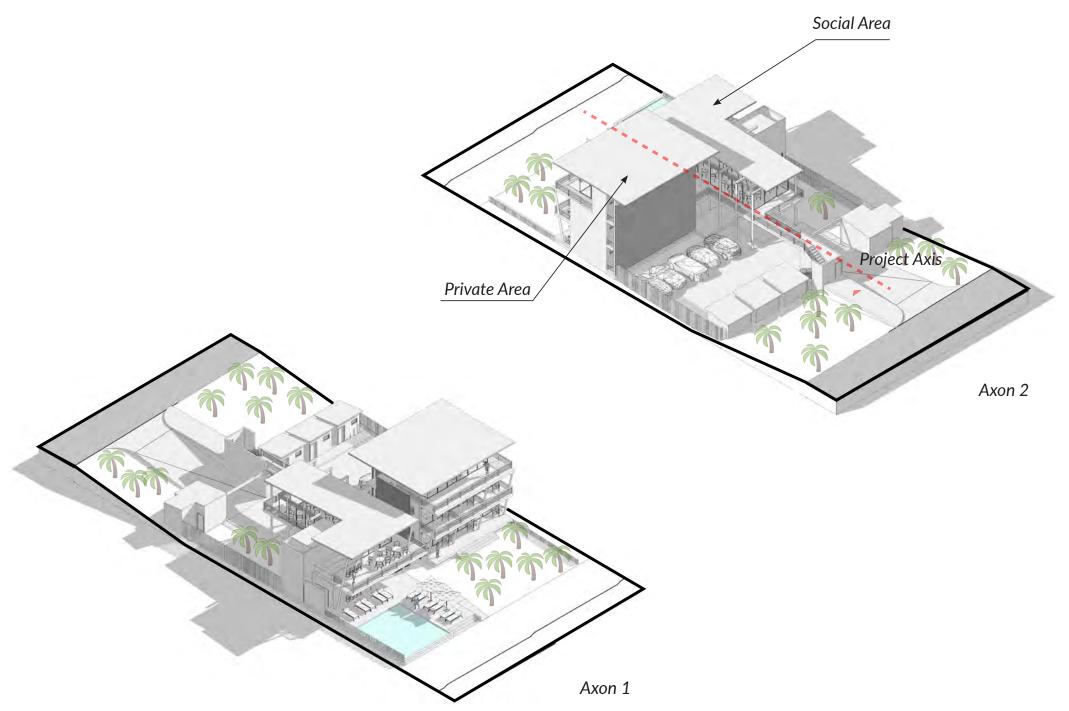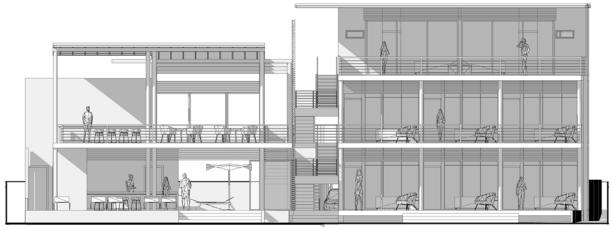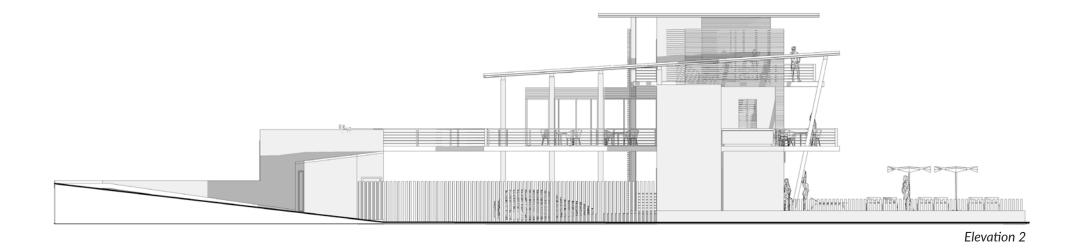
Architectural Design   Adrián Espinosa-Saldaña & Carlos Motin
Project Area   8,471 sq. ft.
Digital Modeling   Carlos Motin
Architectural Visualization   Carlos Motin
Software   Revit, Autocad, 3d Max, Vray, Photoshop, Illustrator, Indesign and Lightroom

Colcalux

Colcalux
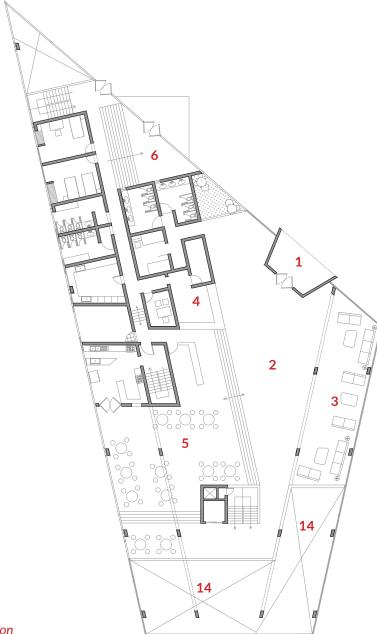
This project is located in Colca Canyon (Arequipa, Perú). The natural landscape of the Canyon gives direct inspiration to the architectural form of the building by contrasting the steep natural slope with the defined, vertical edges. Transparency was fundamental in maximizing the natural surrounding environment.
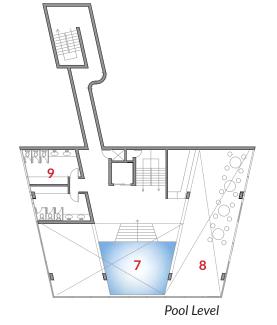
Watch the full project video: http://cmotin.com/index.php/2018/03/07/colcalux/
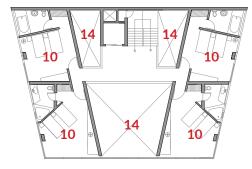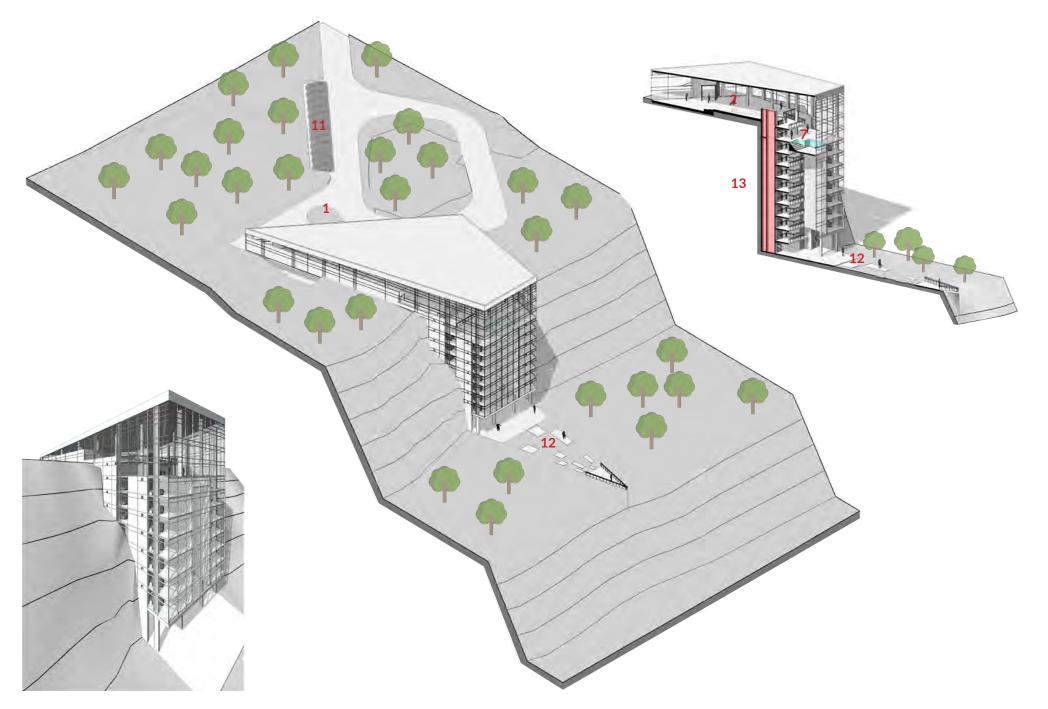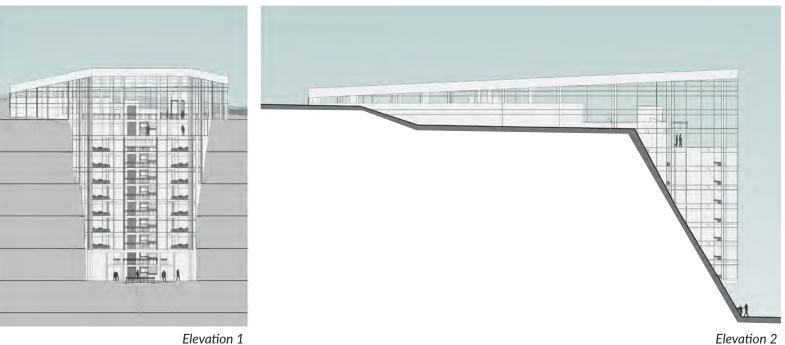
1. Entrance Hall
2. Lobby
3. Lounge Area
4. Front desk
5. Restaurant
6. Service Hall
7. Pool
8. Cafe - Bar
9. Restrooms
10. Room
11. Parking
12. Plaza
13. Vertical Circulation
14. Open to Below
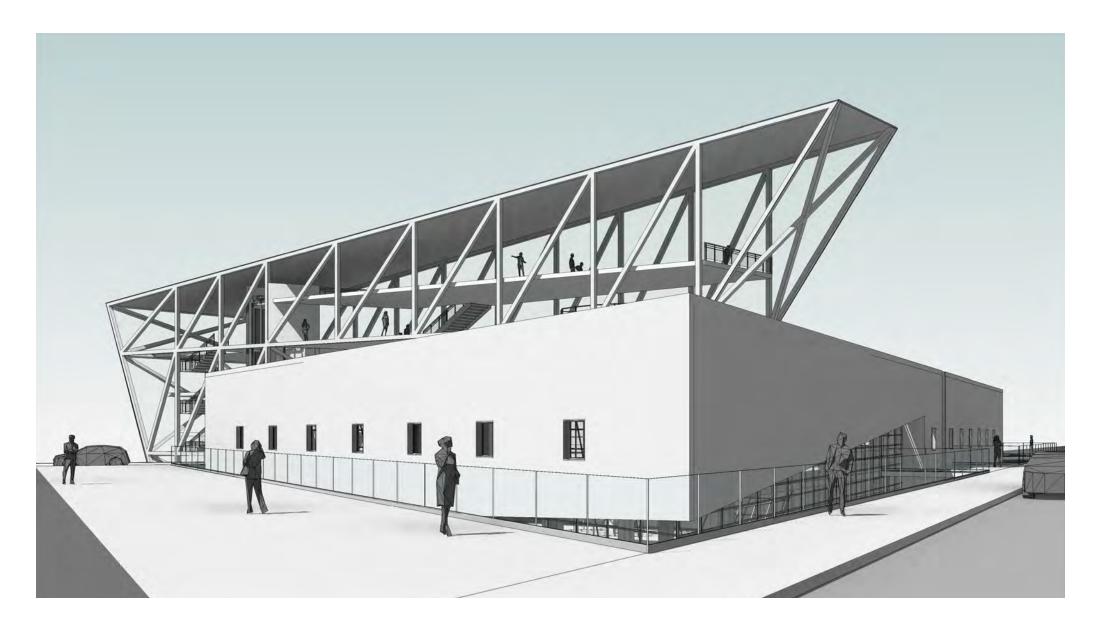
Main Level
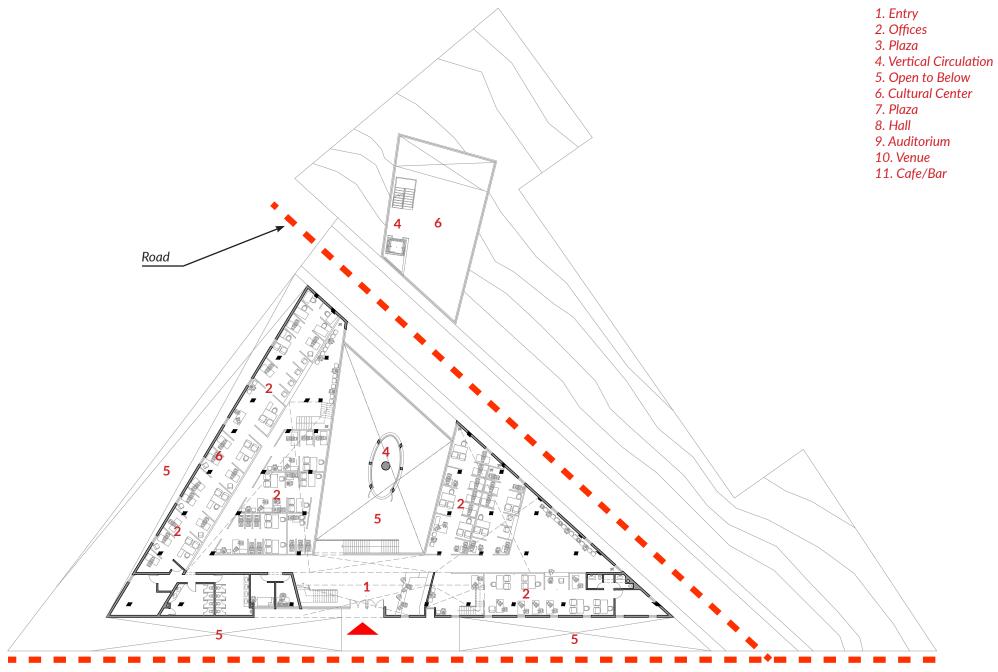
Pool Level

Typical Room Level

Elevation 1

Elevation 2

Architectural Design   Carlos Motin
Digital Modeling   Carlos Motin
Architectural Visualization   Carlos Motin
Software   Revit, 3d Max, Autocad, Unreal Engine 4, Photoshop, Illustrator, Indesign and Lightroom

Barranco Municipality
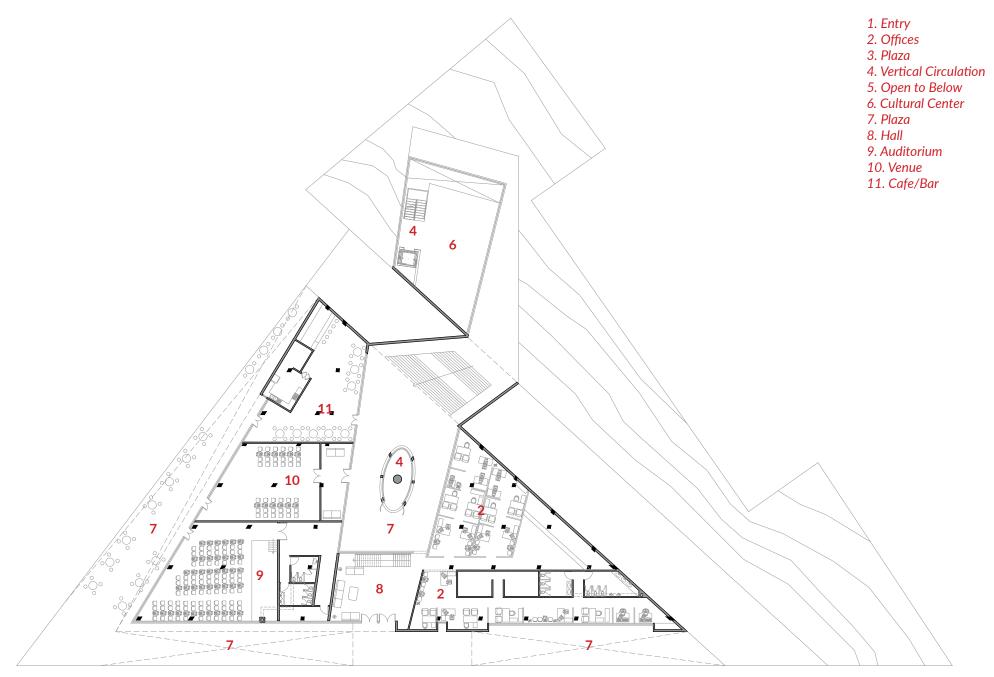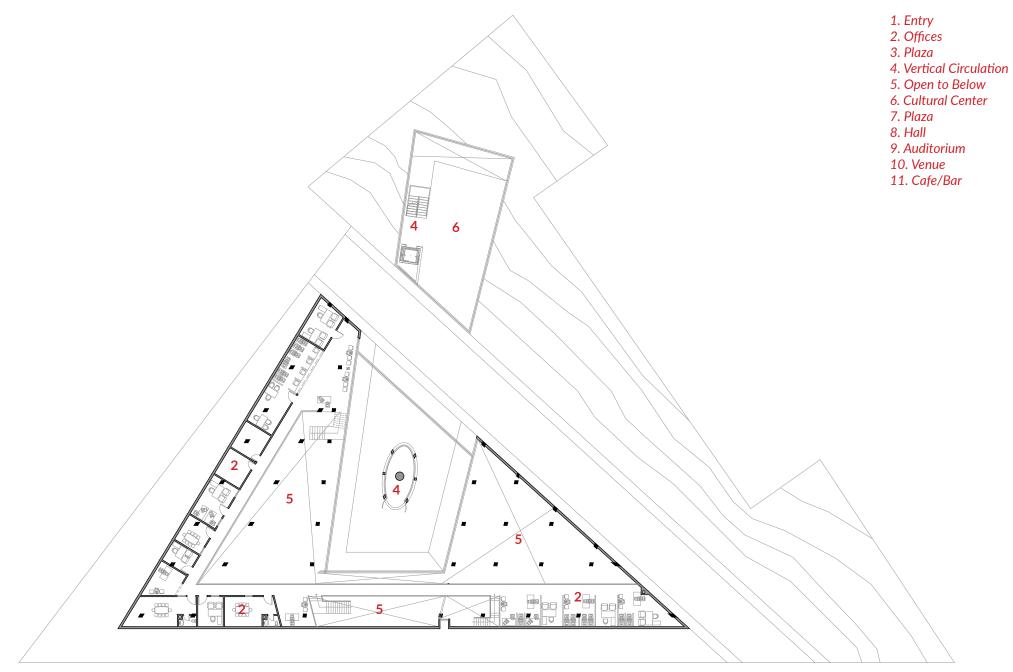
Barranco Municipality
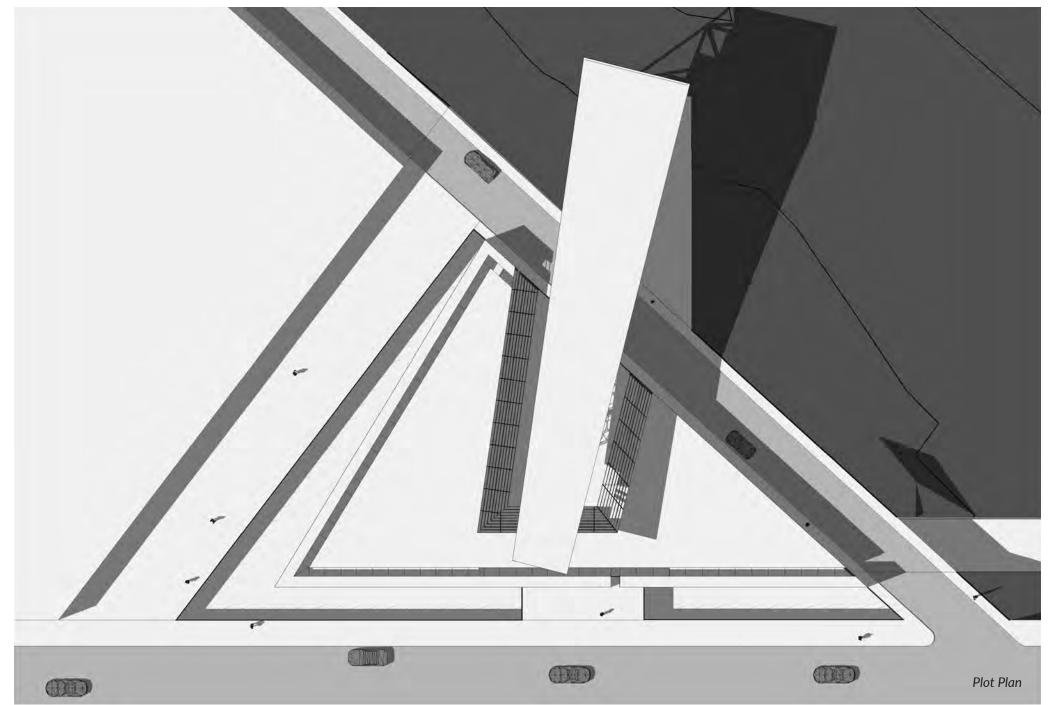
This project is located in Barranco, Lima-Perú. The project houses the local government and a cultural center in two different buildings offering an contrasting duality. The first building, which hosts local government offices, relates to the contextual nature of Barranco by its height as well as the architectural character. The second building, in contrast, expresses an uneven topography and serves as a more modern reflection of the cultural and artistic sides of Barranco. The relationship between these two buildings is united by a tension in volume.
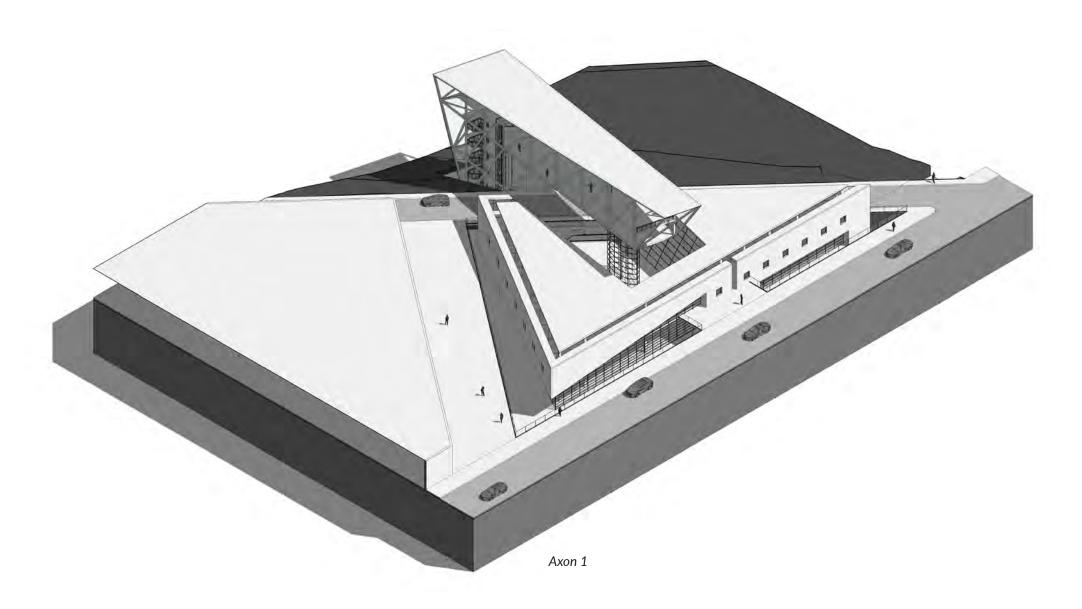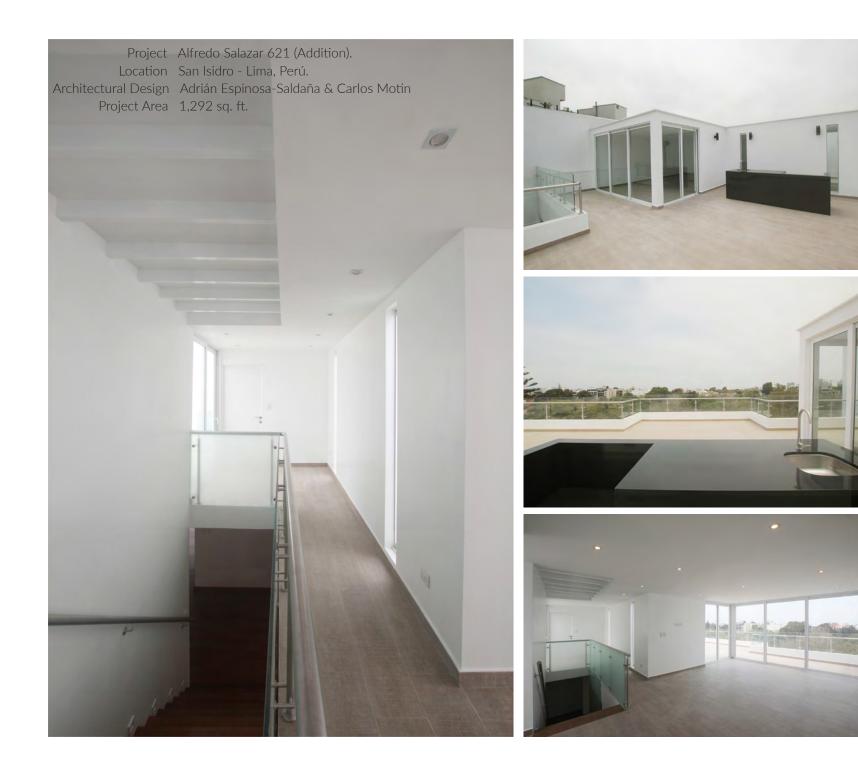
1. Entry
2. Offices
3. Plaza
4. Vertical Circulation
5. Open to Below
6. Cultural Center
7. Plaza
8. Hall
9. Auditorium
10. Venue
11. Cafe/Bar

Road

Street Level

1. Entry
2. Offices
3. Plaza
4. Vertical Circulation
5. Open to Below
6. Cultural Center
7. Plaza
8. Hall
9. Auditorium
10. Venue
11. Cafe/Bar

Level -1

1. Entry
2. Offices
3. Plaza
4. Vertical Circulation
5. Open to Below
6. Cultural Center
7. Plaza
8. Hall
9. Auditorium
10. Venue
11. Cafe/Bar

Level 1

Plot Plan

Axon 1

Architectural Design   Carlos Motin
Digital Modeling   Carlos Motin
Architectural Visualization   Carlos Motin
Software   Revit, Autocad, Illustrator and Indesign.

Building Gallery

Project   Alfredo Salazar 621 (Addition).
Location   San Isidro - Lima, Perú.
Architectural Design   Adrián Espinosa-Saldaña & Carlos Motin
Project Area   1,292 sq. ft.

Project   Multi-unit Caballeros (New Building)
Location   Caballeros Beach - Lima, Perú.
Architectural Design   Adrián Espinosa-Saldaña & Carlos Motin
Project Area   5,597 sq. ft.

Project   Arándanos Country House (New Building)
Location   San Vicente de Cañete - Lima, Perú.
Architectural Design   Carlos Motin
Project Area   2,686 sq. ft.
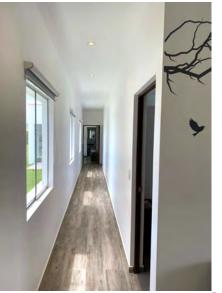
Project Mutts Pool House (New Building)
Location La Planicie - Lima, Perú.
Architectural Design Gonzalo Grillo & Carlos Motin
Project Area 1,550 sq. ft.

Visualization
Exteriors
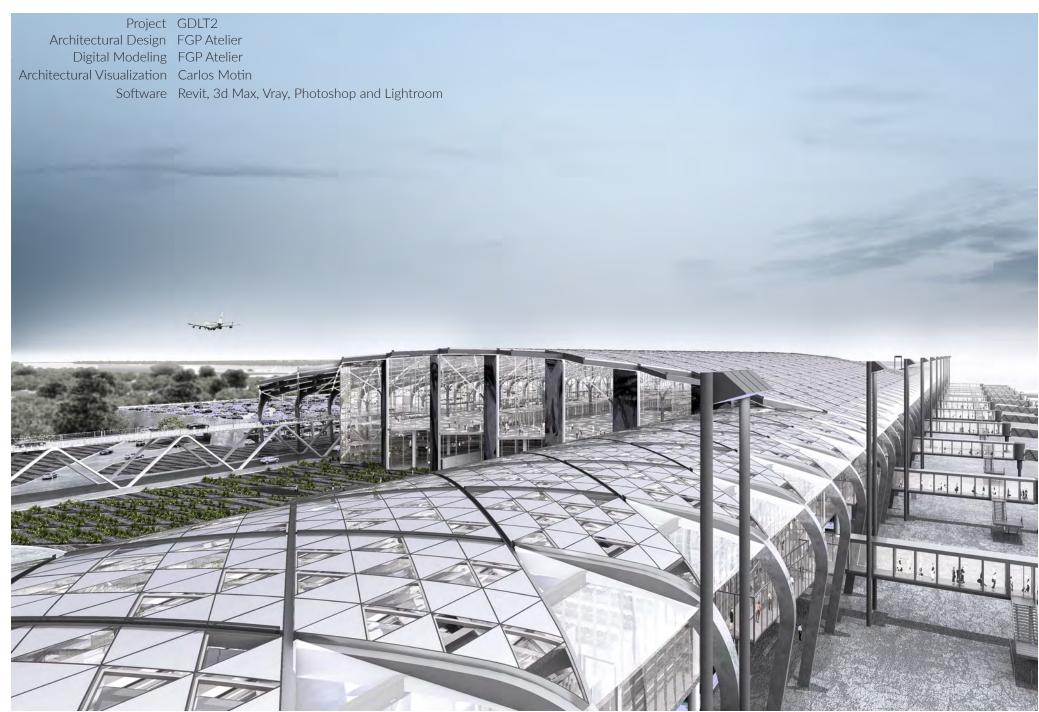
Project   Summerlin
Architectural Design   Studio Gang
Digital Modeling   Studio Gang
Architectural Visualization   Carlos Motin
Software   Rhino, 3d Max, Vray and Lightroom

Project   KTC
Architectural Design   FGP Atelier
Digital Modeling   FGP Atelier
Architectural Visualization Carlos Motin
Software   Revit, 3d Max, Vray, Photoshop and Lightroom

Project   Tren Maya
Architectural Design   FGP Atelier
Digital Modeling   FGP Atelier + Carlos Motin
Architectural Visualization   Carlos Motin
Software   Revit, 3d Max, Vray, Photoshop and Lightroom

Project MAZ
Architectural Design FGP Atelier
Digital Modeling FGP Atelier
Architectural Visualization Carlos Motin
Software Revit, 3d Max, Twinmotion,
Photoshop and Lightroom.

Project   LandHaus
Architectural Design   Ecke Arquitectos
Digital Modeling   Ecke Arquitectos
Architectural Visualization   Carlos Motin
Software   3d Max, Vray, Photoshop and Lightroom

Visualization
Interiors

Project   LaunHaus
Architectural Design   Ecke Arquitectos
Digital Modeling   Ecke Arquitectos
Architectural Visualization   Carlos Motin
Software   3d Max, Vray and Lightroom

Project   Panorama
Architectural Design   Qbil
Digital Modeling   Carlos Motin
Architectural Visualization Carlos Motin
Software   3d Max, Vray and Lightroom

Project PMP
Architectural Design Pragma
Digital Modeling Carlos Motin
Architectural Visualization Carlos Motin
Software 3d Max and Vray.
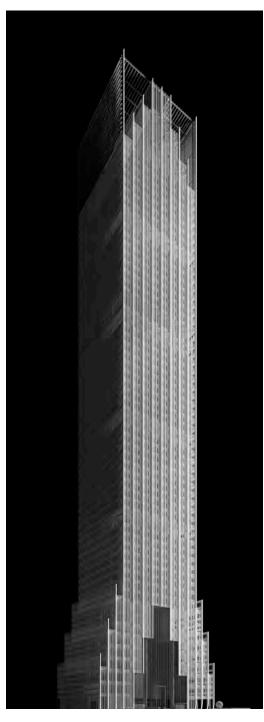
Project   BMC
Architectural Design   María Noel Galimberti
Digital Modeling   Carlos Motin
Architectural Visualization   Carlos Motin
Software   3d Max and Vray.

InWhites
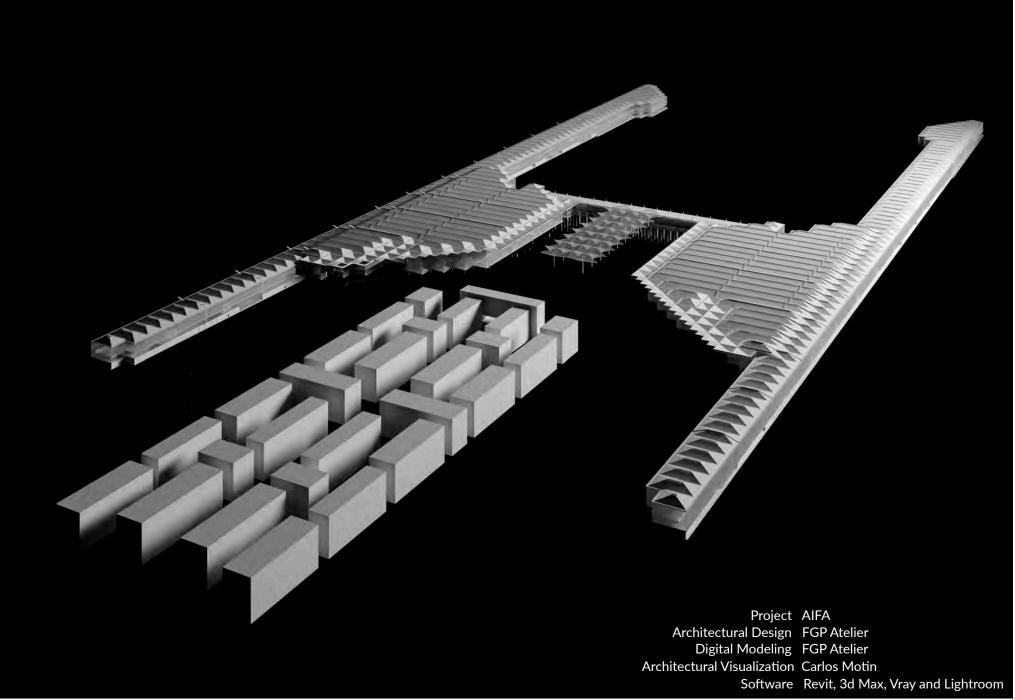
The following gallery of images was published in the book "Progression" by FGP Atelier.

Project   GICC
Architectural Design   FGP Atelier
Digital Modeling   FGP Atelier
Architectural Visualization   Carlos Motin
Software   Rhino, 3d Max, Vray and Lightroom.

Project   Diablos
Architectural Design   FGP Atelier
Digital Modeling   FGP Atelier
Architectural Visualization   Carlos Motin
Software   Revit, 3d Max, Vray and Lightroom

Project   AIFA
Architectural Design   FGP Atelier
Digital Modeling   FGP Atelier
Architectural Visualization   Carlos Motin
Software   Revit, 3d Max, Vray and Lightroom

Project   MAZ
Architectural Design   FGP Atelier
Digital Modeling   FGP Atelier
Architectural Visualization   Carlos Motin
Software   Revit, 3d Max, Vray and Lightroom.
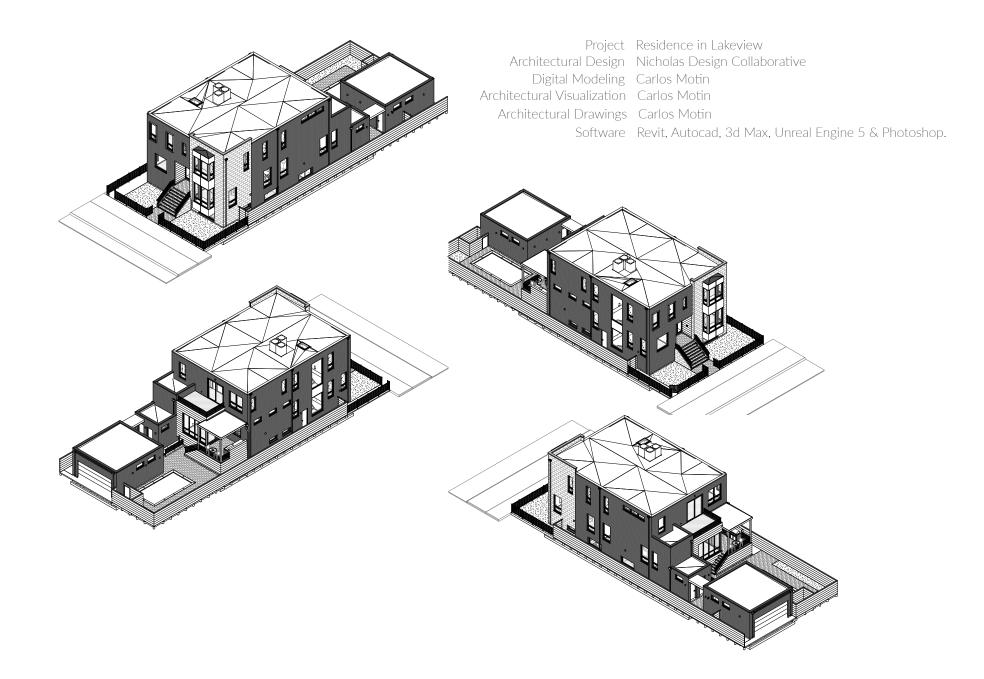
Latest Collaboration
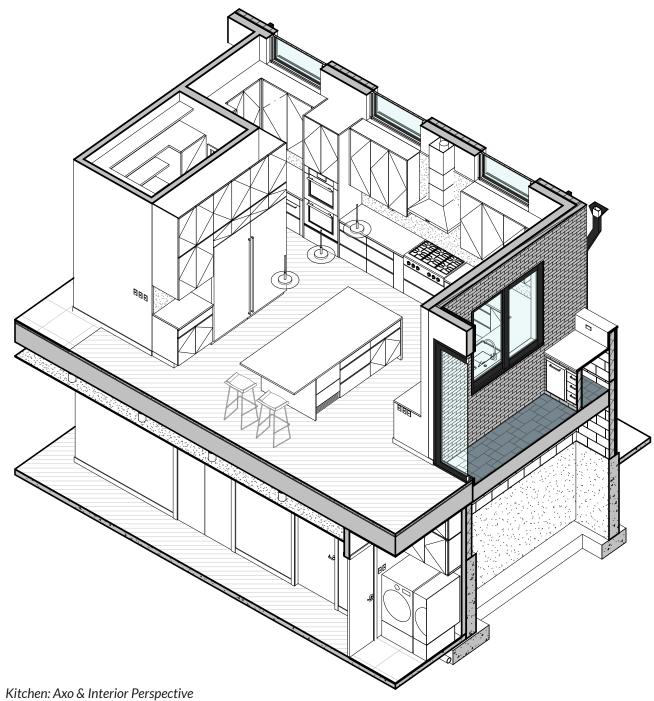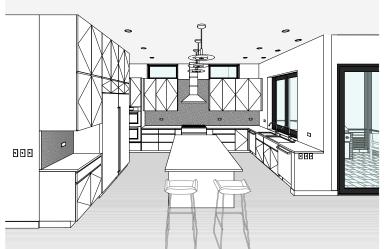
Single Family Residence in Lakeview - Chicago
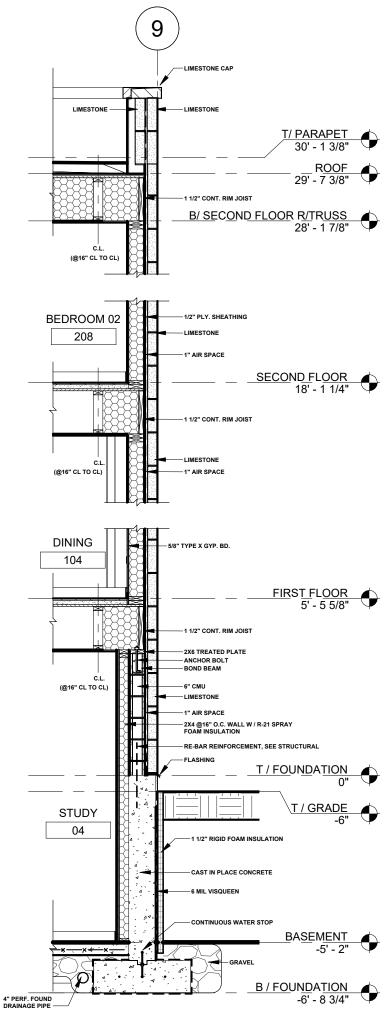
In my latest collaboration at Nicholas Design Collaborative, I produced the permit set drawings and the construction documents for a high-end single residential project in Lakeview, Chicago. Under the Principal's direction, I was involved in nearly all aspects of the project from schematic design to construction documentation and consultant coordination.
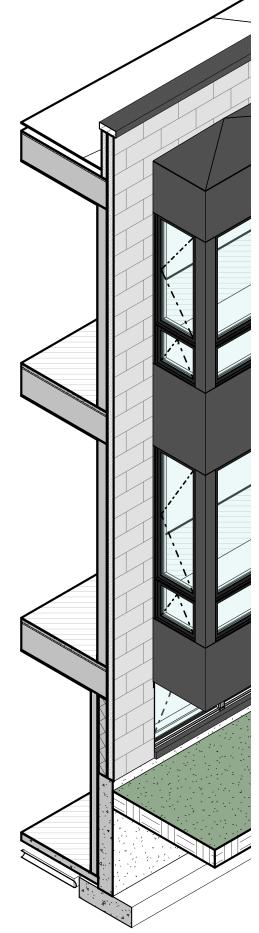
The following drawings demonstrate the level of detail that I developed in Revit under the direction of the Principal Architect.

Project   Residence in Lakeview
Architectural Design   Nicholas Design Collaborative
Digital Modeling   Carlos Motin
Architectural Visualization   Carlos Motin
Architectural Drawings   Carlos Motin
Software   Revit, Autocad, 3d Max, Unreal Engine 5 & Photoshop.

Residence Axos

Kitchen: Axo & Interior Perspective

9

LIMESTONE CAP

LIMESTONE   LIMESTONE

T/ PARAPET
30' - 1 3/8"

ROOF
29' - 7 3/8"

1 1/2" CONT. RIM JOIST

B/ SECOND FLOOR R/TRUSS
28' - 1 7/8"

C.L.
(@16" CL TO CL)

BEDROOM 02
208

1/2" PLY. SHEATHING

LIMESTONE

1" AIR SPACE

SECOND FLOOR
18' - 1 1/4"

1 1/2" CONT. RIM JOIST

C.L.
(@16" CL TO CL)

LIMESTONE

1" AIR SPACE

DINING
104

5/8" TYPE X GYP. BD.

FIRST FLOOR
5' - 5 5/8"

1 1/2" CONT. RIM JOIST

2X6 TREATED PLATE
ANCHOR BOLT
BOND BEAM

C.L.
(@16" CL TO CL)

6" CMU
LIMESTONE

1" AIR SPACE

2X4 @16" O.C. WALL W / R-21 SPRAY
FOAM INSULATION

RE-BAR REINFORCEMENT, SEE STRUCTURAL

FLASHING

T / FOUNDATION
0"

T / GRADE
-6"

STUDY
04

1 1/2" RIGID FOAM INSULATION

CAST IN PLACE CONCRETE

6 MIL VISQUEEN

CONTINUOUS WATER STOP

BASEMENT
-5' - 2"

GRAVEL

4" PERF. FOUND
DRAINAGE PIPE

B / FOUNDATION
-6' - 8 3/4"

Wall Section 1 (Front Facade)

Wall Section 1 Axo (Front Facade)

Wall Section 2 (Front Facade)

Left section labels (top to bottom):

LIMESTONE CAP

LIMESTONE
FLASHING
INSULATION
2X10 ROOF RAFTER

ROOF MEMBRANE
MIN. R49 SPRAY FOAM INSUL.

1/4" / 1'-0"

FLASHING

SHEET METAL PANEL SIDING

RIM JOIST

(2) 2X6

TRUSS

(3) LVL 1 3/4" x 16"

GYPSUM BOARD

(2) 2X6

(3) 2 X 12 HEADER

FLASHING

BAY WINDOW
SEALENT W/BACKEROD

BEDROOM 02
208

3/4" HARDWOOD VENEER PANEL

WINDOW 2E-A

SOLID WOOD NOSING

FLASHING

(2) 2X6

(2) 2X6

GYPSUM BOARD

2X6 STUD

MIN. R21 SPRAY FOAM INSUL.

INSULATION
CONT. RIM. JOIST

16" TRUSS

(3) 2X12

GYPSUM BOARD

SHEET METAL PANEL SIDING

FLASHING TYP.

DINING
104

SEALENT W/BACKEROD

3/4" HARDWOOD VENEER PANEL

BAY WINDOW

WINDOW 1E-A

SOLID WOOD NOSING

FLASHING TYP.

(2) 2X6

(2) 2X6

GYPSUM BOARD

2X6

PLYWOOD

1/2" SHEATING

2X6

MIN. R21 SPRAY FOAM INSUL.

4" BASE

1 1/2" CONCRETE SUB-FLOOR

PLYWOOD

2X6

(2) LVL 1 3/4" x 16"

SHEET METAL PANEL SIDING

HOOK STRIP

INSULATION

SHEET METAL PANEL SIDING

LVL 1 3/4" x 16"

16" TRUSS

ANCHOR BOLT

WINDOW 0E-A

SILL CAP

LIMESTONE SILL

STUDY
04

MIN. R19 SPRAY FOAM INSUL.

1 1/2" RIGID FOAM INSULATION

5/8" GYPSUM BOARD

10" CAST IN PLACE CONCRETE WALL

1/2" DIMPLE BOARD

6 MIL VISQUEEN

2X4 BOTTOM PLATE
4" BASE

RUBBER WATER STOP

4" CONCRETE SLAB

(2) #5 CONT. TOP & BOTTOM

HARDWOOD VENEER PANEL

GRAVEL BASE FILTER MEMBRANE FABRIC MATERIAL

DRAINAGE

36" X 12" FOOTING

Wall Section 2 - Axo (Front Facade)

64

9

ROOF MEMBRANE

MIN. R49 SPRAY FOAM INSUL.

1/4" / 1'-0"

PLY. BOARD

METAL CAP

SOLID BLOCKING

CONT. RIM JOIST

PLY. BOARD

4" BRICK

2 X 6

16" TRUSS

(2) 2 X 6

BATHROOM

210

HARDWOOD VENEER

MIN. R21 INSUL.

LIGHT WEIGHT CONCRETE

2 X 6

PLY. BOARD

SOLID BLOCKING

TOP FLANGE HANGER

MIN. R49 SPRAY FOAM INSUL.

GYPSUM BOARD

16" TRUSS

W14x22

CONT. L8x4x1/2

ENTRY FOYER

102

DOOR 1-102

BLUESTONE FLOOR

CONCRETE SUB-FLOOR

BLUESTONE TREAD

STEP LIGHT

ANCHOR BOLT

2 X 6

GYPSUM BOARD

1 1/2" RIGID FOAM INSULATION

HALL

01

6 MIL VISQUEEN

10" CAST IN PLACE CONCRETE WALL

DIMPLE BOARD

MIN. R19 SPRAY FOAM INSUL.

GYPSUM BOARD

HARDWOOD VENEER

2 X 6

CONCRETE SUB-FLOOR

RUBBER WATERSTOP

RUBBER WATERSTOP

RUBBER WATERSTOP

GRAVEL BASE FILTER MEMBRANE FABRIC MATERIAL

DRAINAGE

36" X 12" FOOTING

22" X 12" FOOTING

22" X 12" FOOTING

Wall Section 3 (Front Facade)

Wall Section 3 - Axo (Front Facade)

JAMB (A) - TYPICAL DETAIL

Labels (top-left detail):
5/8" GYPSUM BOARD
CORNER BEAD
MIN. R21 SPRAY FOAM INSULATION 1 1/2" CLOSED CELL + 3" OPEN CELL
INTERIOR
EXTERIOR
4" BRICK
WATERPROOF MEMBRANE
MINIMALLY EXPANDING POLYURETHANE FOAM
SEALANT
3/8" GROUT
LIMESTONE SILL

HEAD (A) - TYPICAL DETAIL

Labels (top-right detail):
CORNER BEAD
5/8" GYPSUM BOARD
4" BRICK
WATERPROOF MEMBRANE
MINIMALLY EXPANDING POLYURETHANE FOAM
SEALANT
3/8" GROUT

Labels (middle detail):
WATERPROOF MEMBRANE
FLASHING
4" BRICK
FLASHING
STEEL LINTEL
SEALANT
MINIMALLY EXPANDING POLYURETHANE FOAM
MIN. R21 SPRAY FOAM INSULATION 1 1/2" CLOSED CELL + 3" OPEN CELL
5/8" GYPSUM BOARD
CORNER BEAD
EXTERIOR
INTERIOR

SILL (A) - TYPICAL DETAIL

Labels (bottom detail):
MINIMALLY EXPANDING POLYURETHANE FOAM
SEALANT
LIMESTONE SILL
1 1/2"
4" BRICK
WATERPROOF MEMBRANE
WOOD SILL
5/8" GYPSUM BOARD
MIN. R21 SPRAY FOAM INSULATION 1 1/2" CLOSED CELL + 3" OPEN CELL

Typical Window Detail

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5/8" PLYWOOD BOARD

7/8" PLYWOOD BOARD

3/4" COMPOSITE WOOD SIDING

3/4" FURRING STRIPS

SEALANT

**MINIMALLY EXPANDING
POLYURETHANE FOAM**

WINDOW 1W-E

MIN. R-21 SPRAY FOAM INSUL.

5/8" GYPSUM BOARD

2 x 6

EXTERIOR   INTERIOR

WINDOW 1W-E

1/2" PAINTED WOOD

HEAD PROJECTION A

HEAD PROJECTION B

SEALANT

**MINIMALLY EXPANDING
POLYURETHANE FOAM**

SEALANT

6" x 6" PSL WOOD COLUMN

SIDING CLIP

METAL CLADDING

**MINIMALLY EXPANDING
POLYURETHANE FOAM**

SLIDING DOOR 1S-D

Window Jamb Detail

Thanks!