

PORTFOLIO

NATALY J. SUA RINCON
ARCHITECT

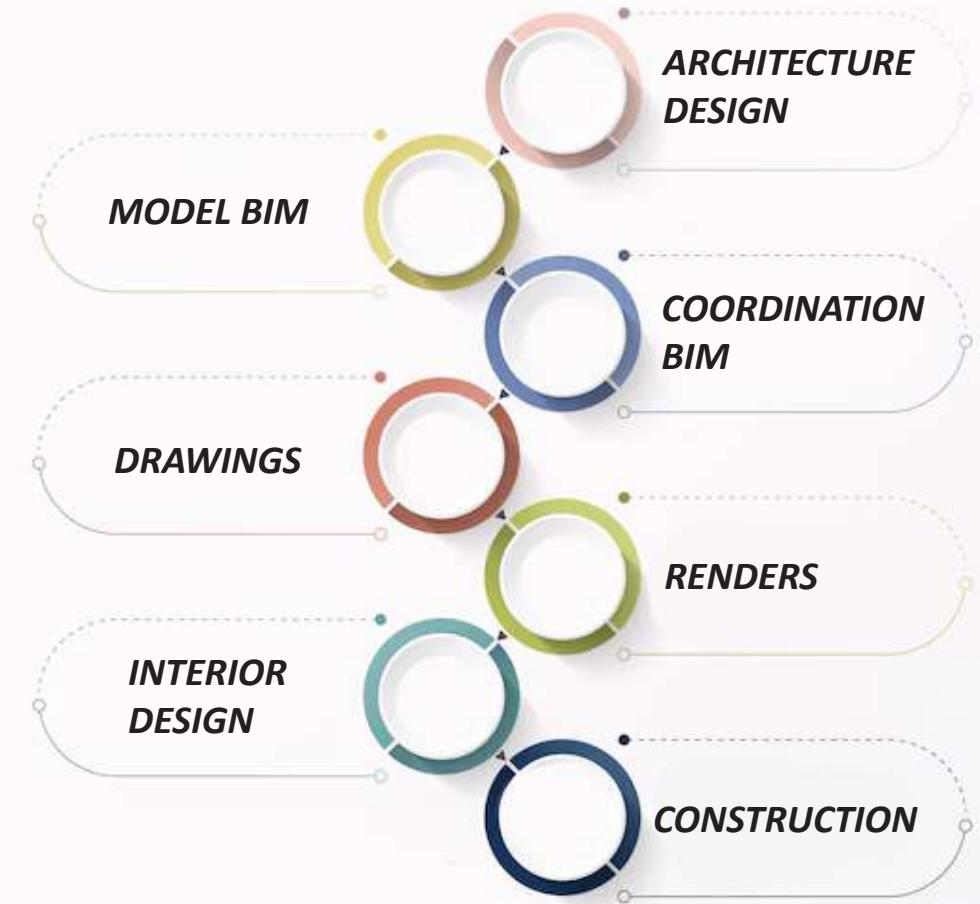


NATALY JULIETH SUÁRINCON ARCHITECT

I am an architect with 5 years of experience, passionate about turning ideas into reality through innovative design and precise execution. With a degree from the University of La Salle, Bogotá, and experience in construction management, structural design, modeler BIM and high-end finishes, I am in the search of excellence in every project.

Specialized in BIM methodologies, I optimize planning, coordination, and efficiency, using tools like Revit, AutoCAD, Navisworks, and Lumion, along with Illustrator, InDesign, and Photoshop for compelling visual presentations. I am inspired by Dubai's architectural landscape, and I'm eager to contribute my skills to ambitious projects and collaborate with professionals who share a vision for innovation and excellence.

HERE YOU WILL FIND EXPERIENCE IN:



CONTENT



01 SOLANO PARK



02 VILLA MARIA HOUSE



03 VELAN HOUSE



04 OJEDA HOUSE



05 ARMES INVERSIONES OFFICE

SOLANO PARK

Multifamily project

LOCATION: Duitama, COLOMBIA

LOT AREA: 569.15 m²

USE: Residential

TOTAL CONSTRUCTION AREA: 5,711.50 m²

HEIGHT: 51.34 m

RESIDENTIAL UNITS: 34 Apartments

PARKING UNITS: 37 Units

COMPANY: Armes inversiones S.A.S

RESPONSIBILITIES IN THIS PROJECT

BIM MODELING

- TOPOGRAPHY
- ARCHITECT
- STRUCTURAL
- PLUMBING
- ELECTRICAL
- GAS

BIM COORDINATION

DRAWING PLANS

CONSTRUCTION 2022-2024

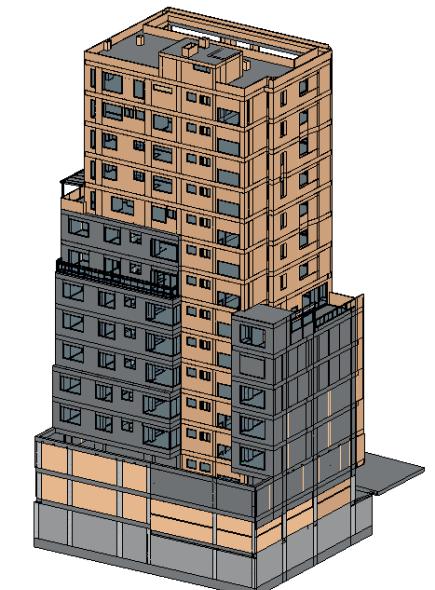
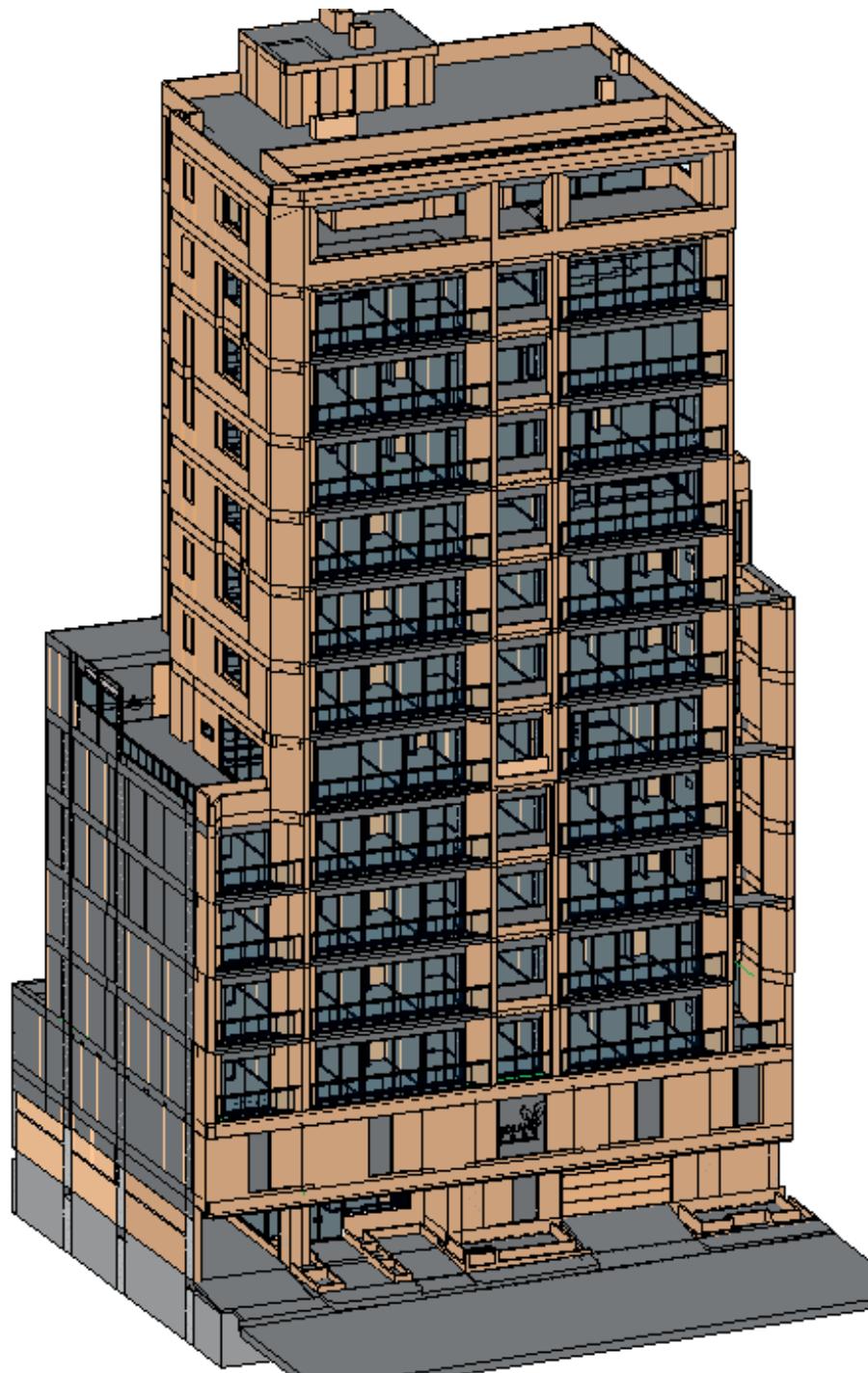


BIM MODELING

SOLANO PARK

ARCHITECTURAL MODEL

In this project, the architectural model was fully developed using Revit, reaching a Level of Development (LOD) of 450. This model was used for interdisciplinary coordination, the generation of final plans, the precise calculation of work quantities, among other technical and construction purposes.

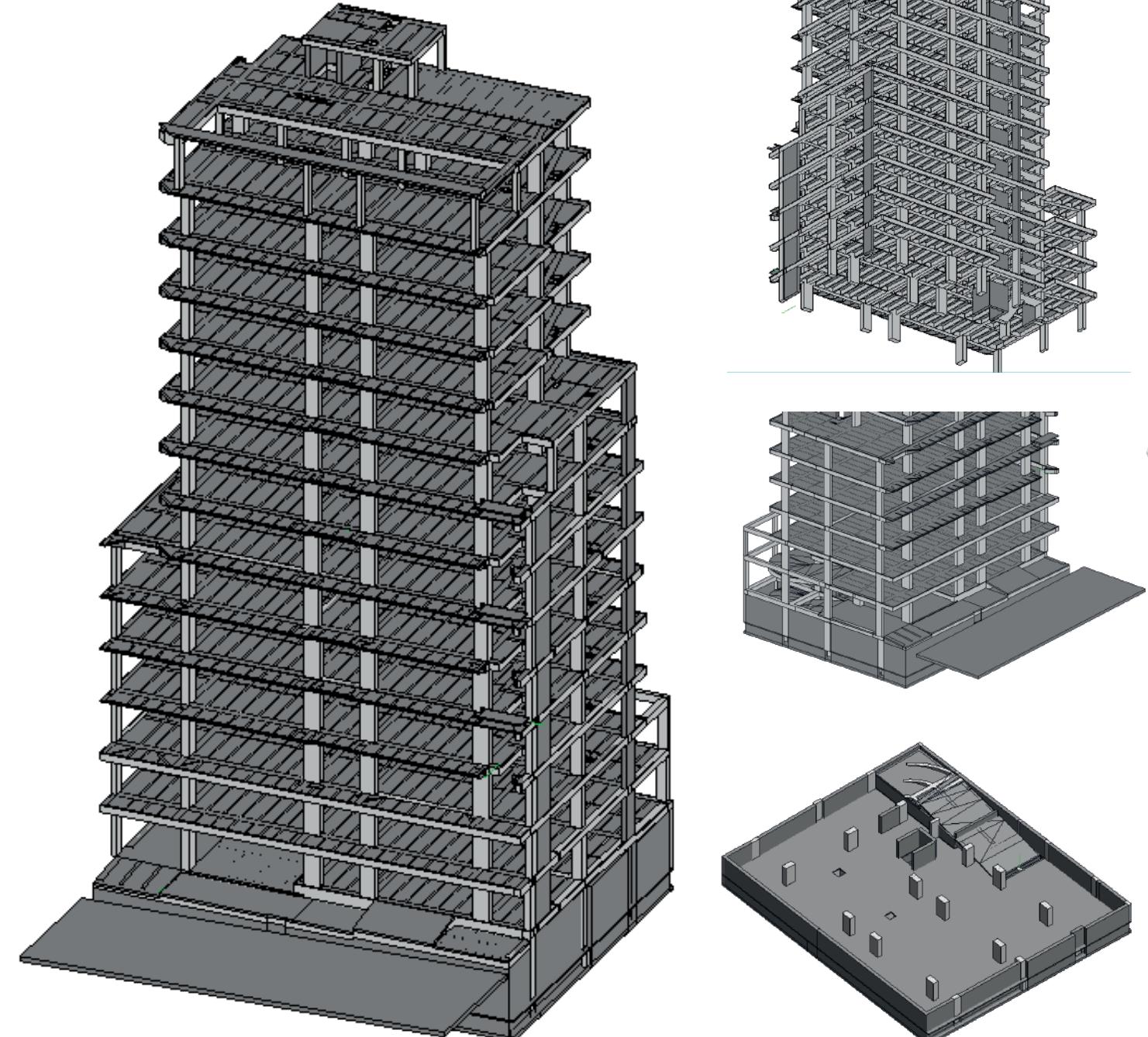


BIM MODELING

SOLANO PARK

STRUCTURAL MODEL

In this project, the structural model was fully developed using Revit, reaching a Level of Development (LOD) of 450. This model was used for interdisciplinary coordination, the generation of final plans, the precise calculation of work quantities, among other technical and construction purposes.

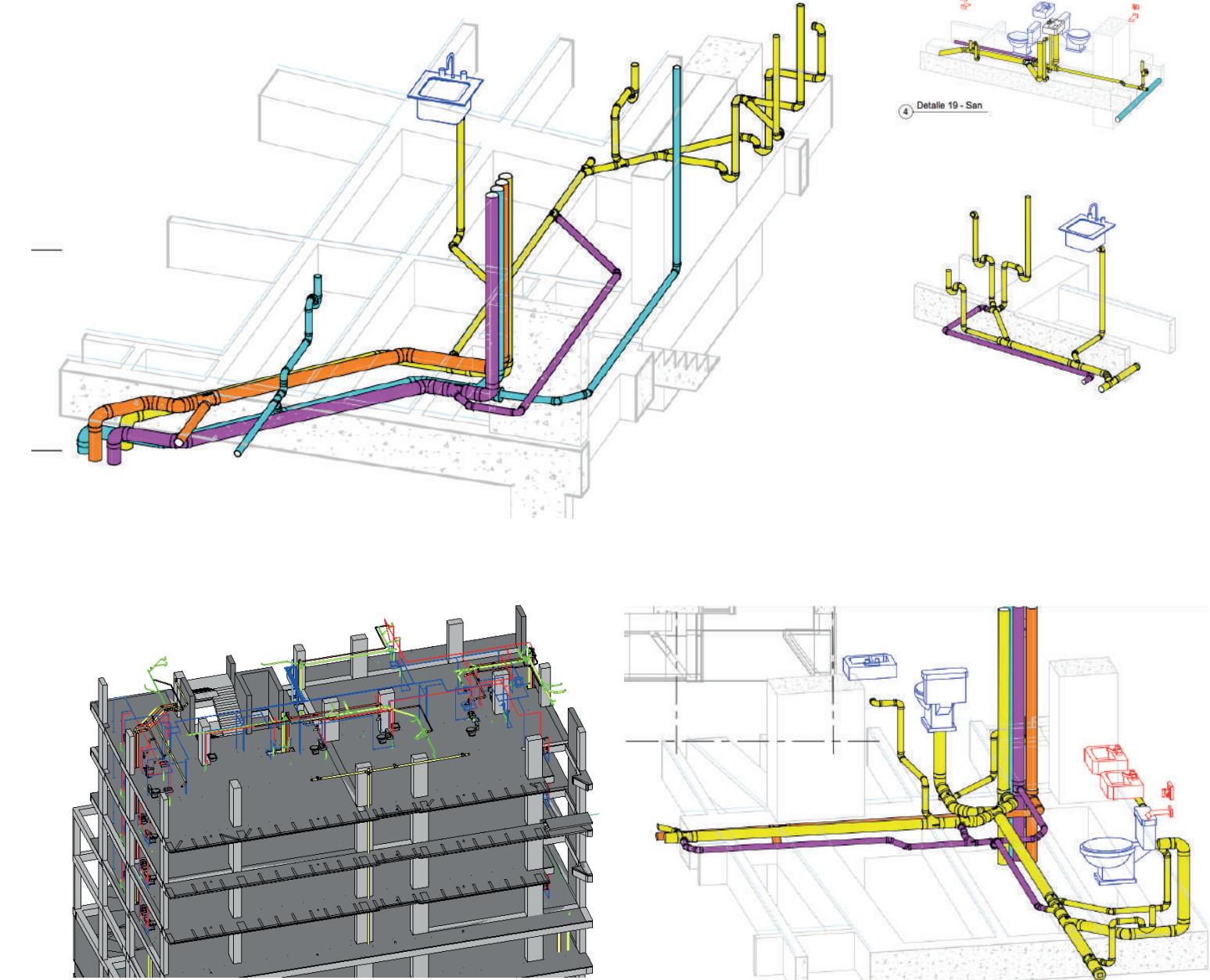


BIM MODELING

SOLANO PARK

PUMBING MODEL

In this project, the pumbing model was fully developed using Revit, reaching a Level of Development (LOD) of 450. This model was used for interdisciplinary coordination, the generation of final plans, the precise calculation of work quantities, among other technical and construction purposes.

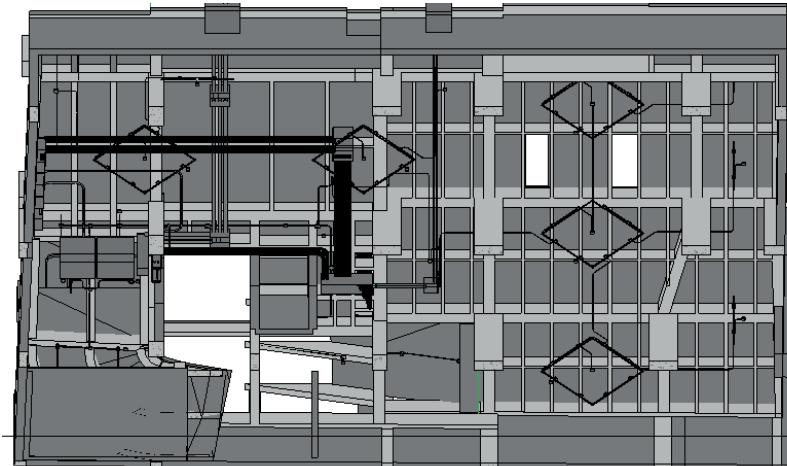
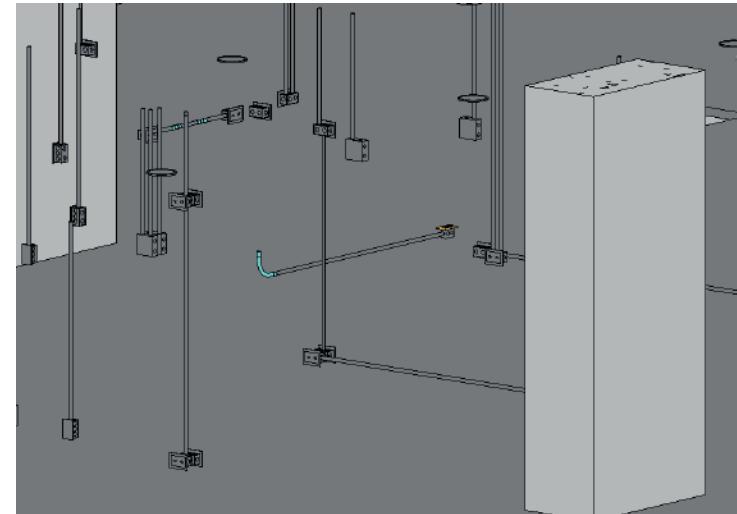
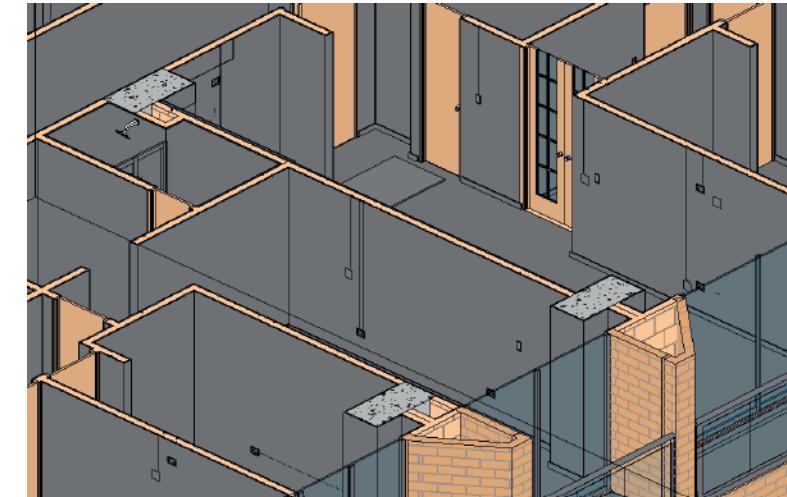
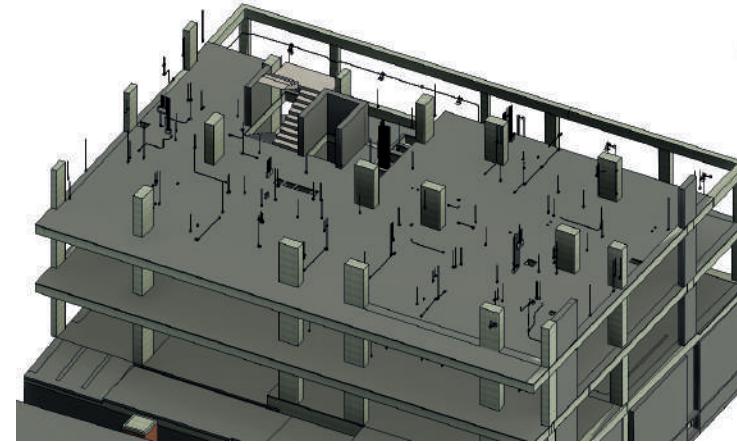


BIM MODELING

SOLANO PARK

ELECTRICAL MODEL

In this project, the electrical model was fully developed using Revit, reaching a Level of Development (LOD) of 450. This model was used for interdisciplinary coordination, the precise calculation of work quantities, among other technical and construction purposes.

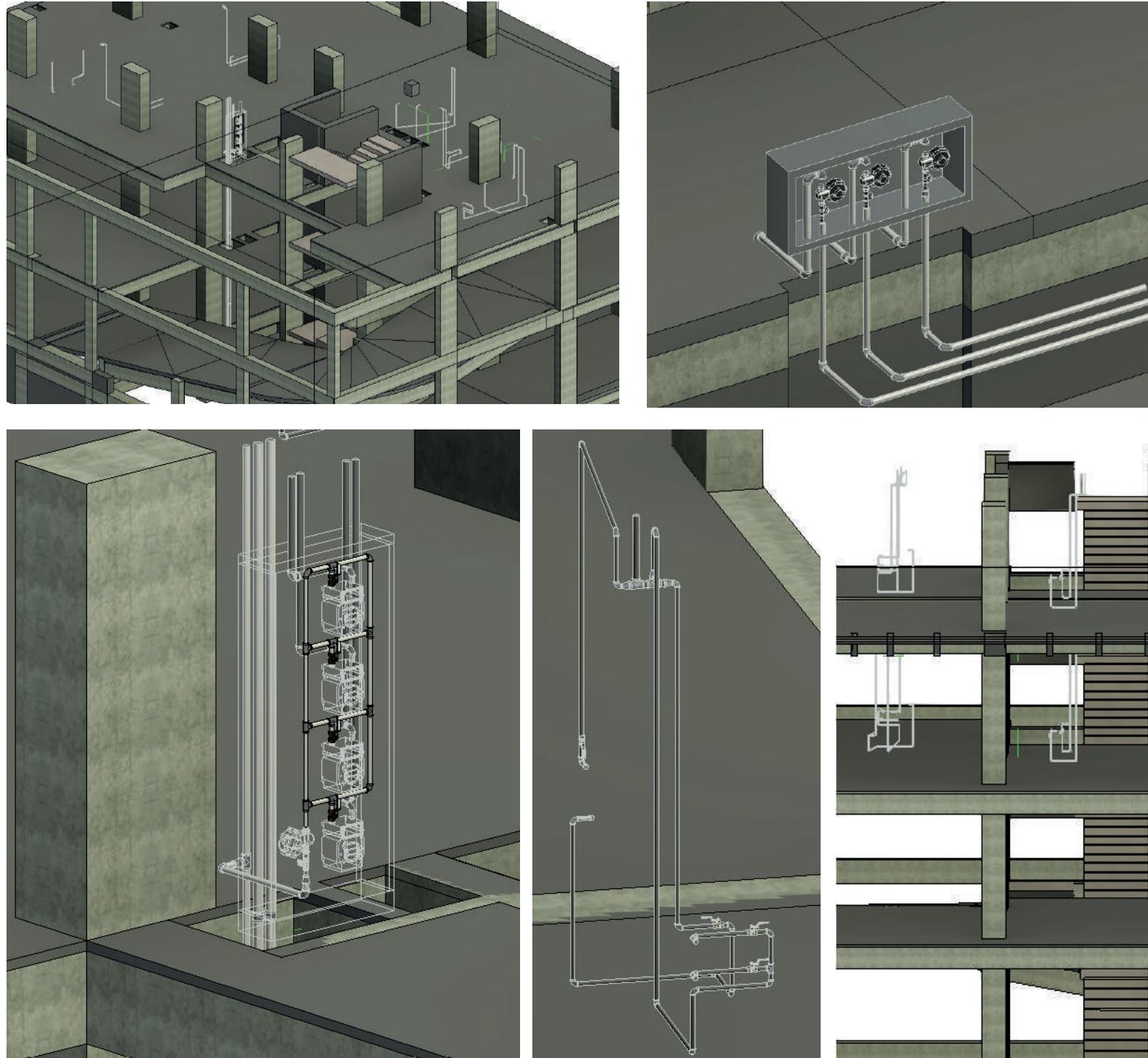


BIM MODELING

SOLANO PARK

GAS MODEL

In this project, the gas model was fully developed using Revit, reaching a Level of Development (LOD) of 450. This model was used for interdisciplinary coordination, the precise calculation of work quantities, among other technical and construction purposes.



BIM COORDINATION

SOLANO PARK

Interdisciplinary coordination of the Solano Park project was carried out using BIM model software from different disciplines using **Autodesk Navisworks**.

Clash detection reports were generated, categorized by discipline, and shared with each design team for review and resolution.

Multiple coordination meetings were also held, resolving all detected issues until a clash-free BIM model was achieved.



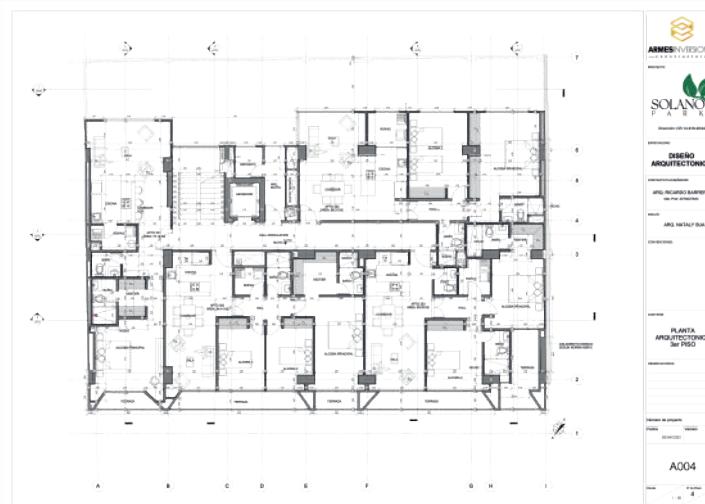
Incidence	Level	Discipline	Image	Incident type	Date	STATE	RESPONSIBL	Comment	# OF MEETING
A_Est_010	O-Sotano	ARQ-EST		MODEL	6/06/2022	CLOSE	ING. RICHARD / ING. LEIDY	Check clearance height for car access	2
A_Est_011	O-1--	ARQ-EST		MODEL	6/06/2022	OPEN	ING. RICHARD / ING. LEIDY	Adjusting beam with curved wall	2
A_Est_014	1-->14	ARQ-EST		MODEL	6/06/2022	OPEN	ING. RICHARD / ING. LEIDY	Complete plate/do not leave empty	2
A_Est_015	15	ARQ-EST		MODEL	6/06/2022	OPEN	ING. RICHARD / ING. LEIDY	Close floor	2

Incidence	Level	Image	Incident type	Tipo de Inc	Entrega	STATE	RESPONSIBLE	Comment	# OF MEETING
G_HS_001	3-4-5-6		OBRA	16/06/2022	ABIERTO	ING. ADRIANA	It is adjusted on site, apartments T1 from the 3rd to the 6th		2
G_HS_002	3--->14		MODELADO	17/06/2022	ABIERTO	ING. LEIDY	Move sanitary and rainwater downpipes because they are crossing with the heater duct.		2
G_HS_003			DISEÑO	18/06/2022	ABIERTO	ING. ADRIANA	Confirm the exact location of the storage heater T1 from the 3rd to the 6th floor		2
G_HS_004	3-4-5-6		DISEÑO	19/06/2022	ABIERTO	ING. ADRIANA	Review how the 3 exits to apartment T3 will be left from the 3rd to the 6th floor		2

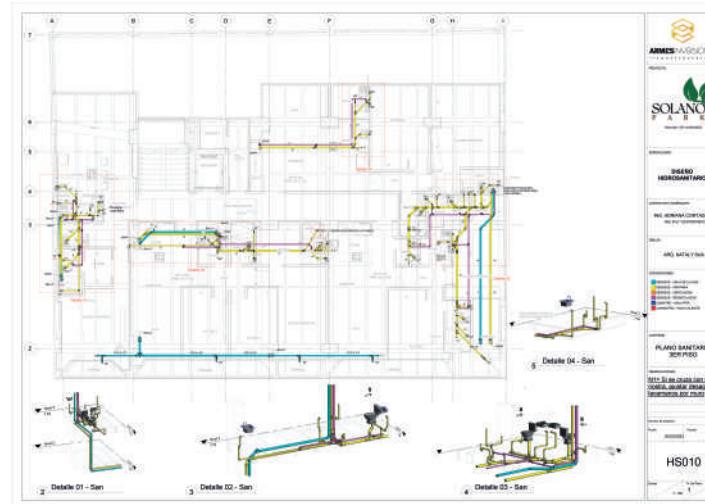
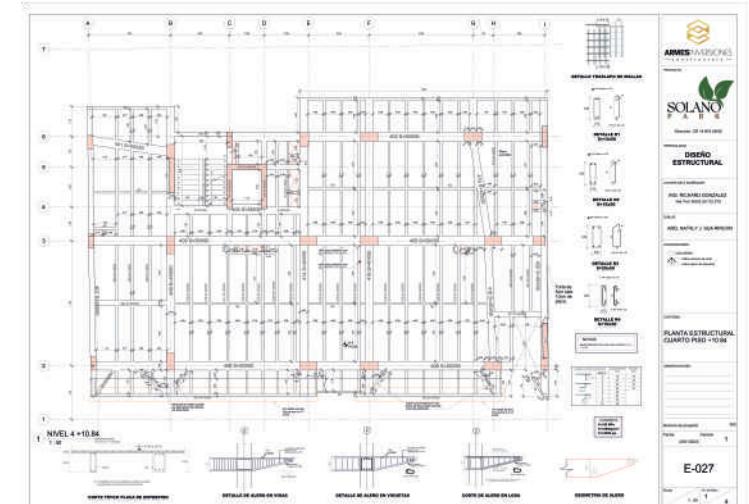
DRAWING PLANS

SOLANO PARK

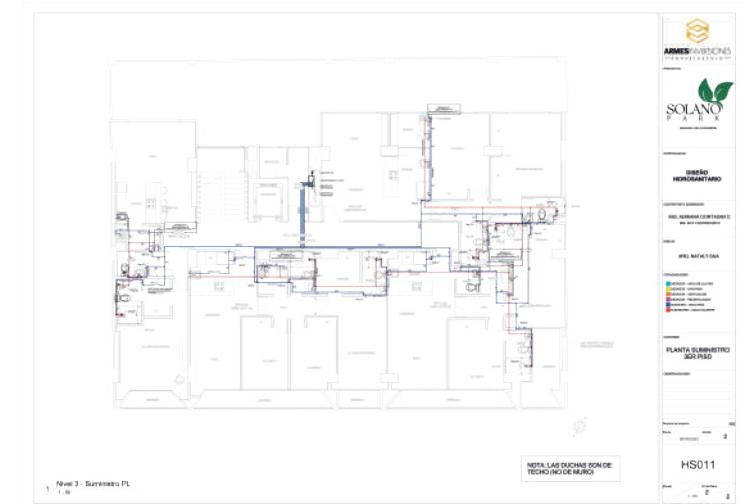
After completing the BIM coordination process and resolving all the conflicts detected between the various disciplines using Navisworks, the project's executive documentation was generated directly from the models developed in Revit. This documentation included architectural, structural, and MEP specialty drawings, all consistent with the federated model. Working within a coordinated, conflict-free environment ensured the accuracy, consistency, and traceability of the information issued for construction, optimizing delivery times and ensuring the technical quality of the deliverables according to the standards defined in the BEP.



ARCHITECTURAL DRAW



PUMBING DRAW



PUMBING DRAW

CONSTRUCTION [JULY 2022-JUNE 2024]

SOLANO PARK

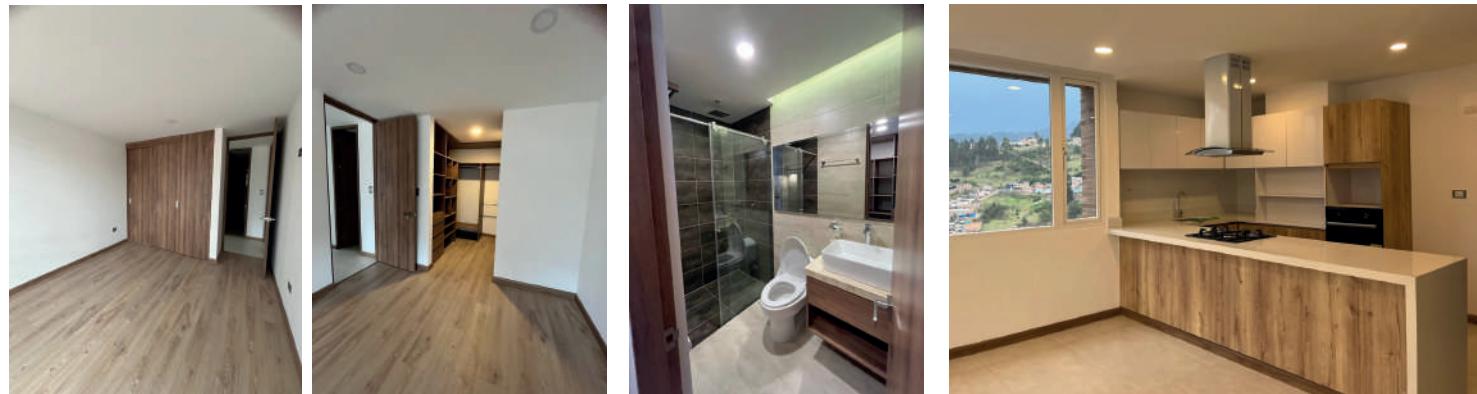
I was chosen as the resident architect for the comprehensive execution of the project, leading construction activities from the initial phase to completion. This field experience allowed me to strengthen and complement my previously acquired knowledge of BIM environments, establishing a direct link between digital planning and construction. The implementation of the BIM methodology proved essential for optimizing execution times, as prior coordination and early detection of interferences significantly reduced on-site rework, improving operational efficiency and the final quality of the project.



CONSTRUCTION [JULY 2022-JUNE 2024]

SOLANO PARK

The process of handing over the apartments to the owners formally began in June 2024, completing the full delivery of the project's housing units and common areas to date. Participating in this development from the initial planning phases, BIM modeling, construction execution, and post-sale stage represents a comprehensive and highly satisfactory experience. This continuity ensured the traceability and consistency of the project throughout all stages, guaranteeing the quality of the final product and meeting the standards established by both the technical team and the clients.

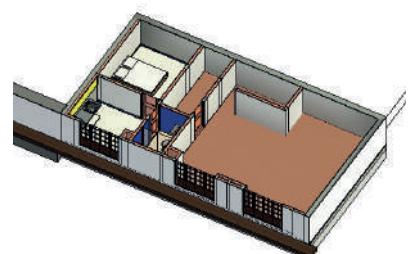
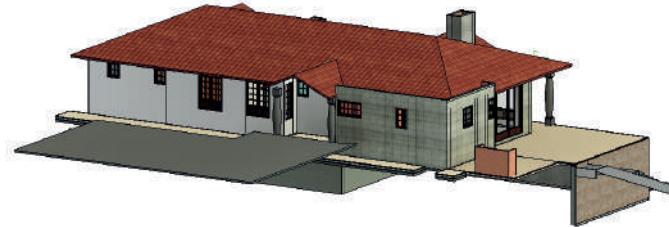


VILLA MARIA HOME

Single family home



CONSTRUCTION PHOTOS 2022



ARCHITECTURAL MODEL

LOCATION: Duitama, COLOMBIA

LOT AREA: 1.000 m²

USE: Residential

TOTAL CONSTRUCTION AREA: 249.22 m²

LEVELS: 2 Floors

RESIDENTIAL UNITS: 1 Units

PARKING UNITS: 3 Units

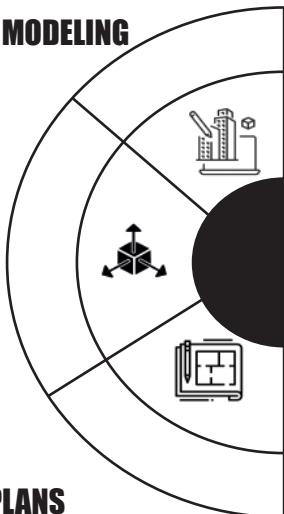
COMPANY: Armes inversiones S.A.S

RESPONSIBILITIES IN THIS PROJECT

TOPOGRAPHY
ARCHITECT
STRUCTURAL
PLUMBING
ELECTRICAL
GAS

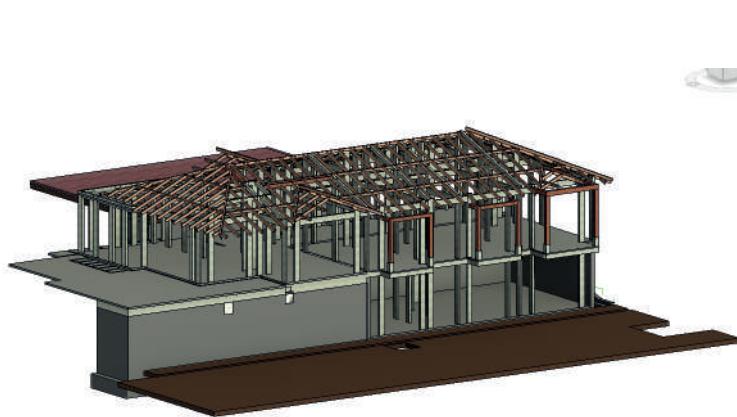
BIM MODELING

BIM COORDINATION

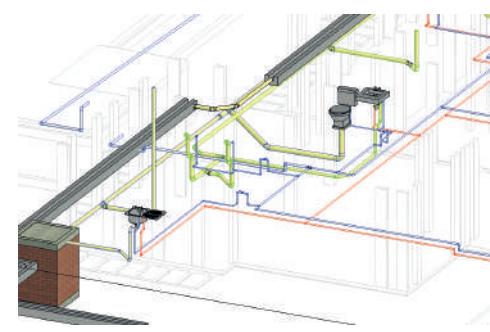
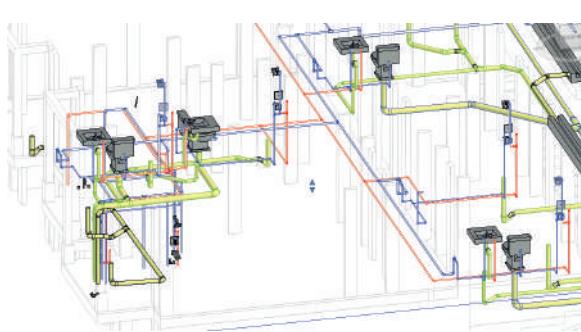
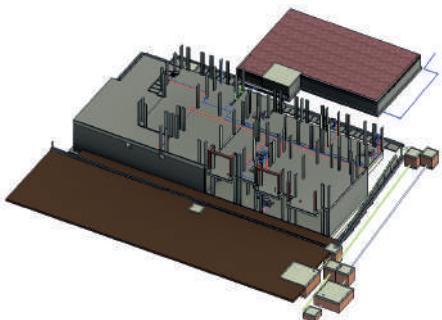
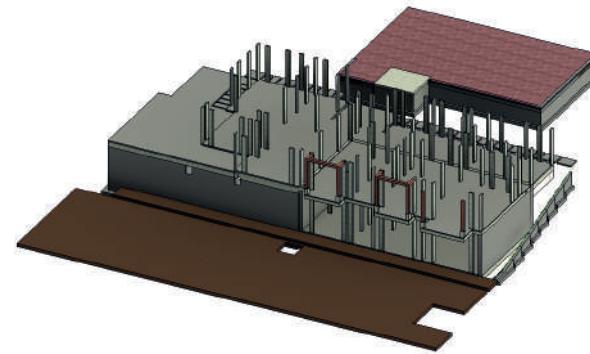


DRAWING PLANS

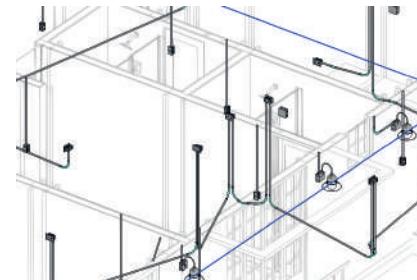
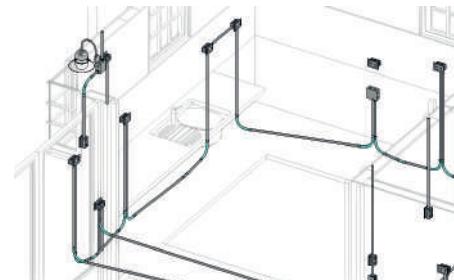
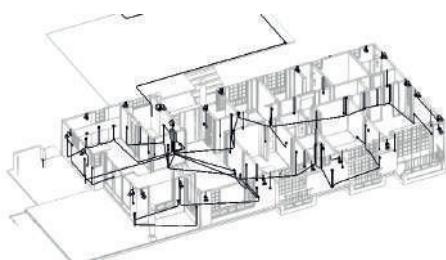
BIM COORDINATION



STRUCTURAL MODEL



PLUMBING MODEL



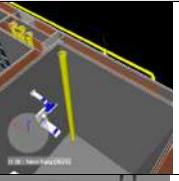
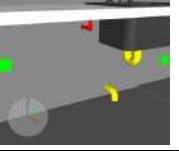
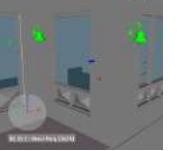
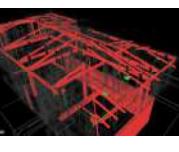
ELECTRICAL MODEL

VILLA MARIA HOME

MODELS 3D BIM

In this project, I modeled all was fully developed using Revit, reaching a Level of Development (LOD) of 450. This model was used for interdisciplinary coordination, the generation of final plans, the precise calculation of work quantities, among other technical and construction purposes.



Incidence	Discipline	Image	Type of incident	Date	Delivery	State	Responsible	Comment
N-ARQ-01	ARQ		Ducto	2/12/2021	CLOSE			Add duct for channeling the sanitary pipe
N-ARQ-02	ARQ		Modelado	2/12/2021	CLOSE			Add support to cover nets
N-ELE-01	ELE		Puntos	2/12/2021	CLOSE			Include socket for heater
N-ELE-02	ELE		Colisiones	2/12/2021	CLOSE			Collision of power grid and column
N-ELE-03	ELE		Colisiones	2/12/2021	Abierta			Adjust nets so that they are channeled in the center of the beams.
N-ELE-04	ELE		Modelado	2/12/2021	CLOSE			Delete box
N-EST-01	EST		Diseño	2/12/2021	CLOSE			Adjust the roof design to address the handling of the structural purlins relative to the chimney
N-HS-01	HS		Redes	2/12/2021	Abierta			Validate the passage of nets over the beam to avoid exposed elements

BIM COORDINATION

VILLA MARIA HOME

Interdisciplinary coordination of the VILLA MARIA HOME was carried out using BIM model software from different disciplines using **Autodesk Navisworks**.

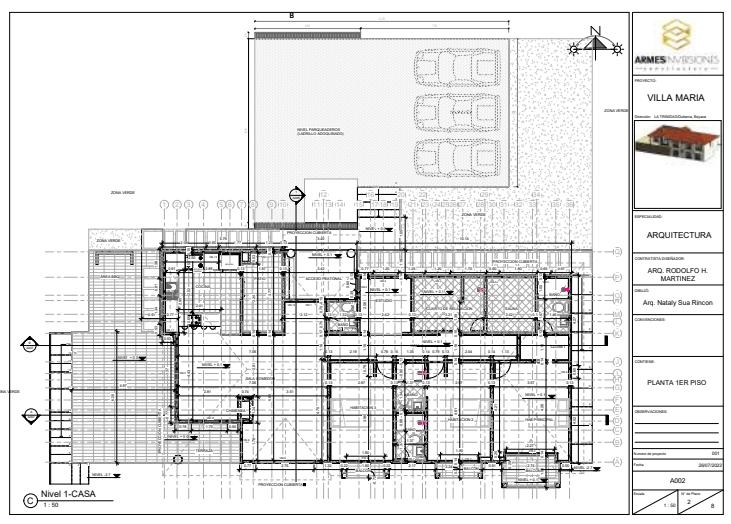
Clash detection reports were generated, categorized by discipline, and shared with each design team for review and resolution.

Multiple coordination meetings were also held, resolving all detected issues until a clash-free BIM model was achieved.

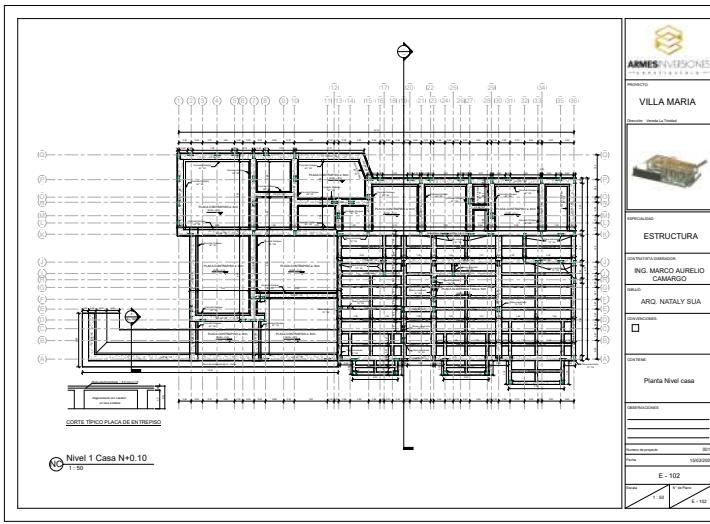


DRAWING PLANS

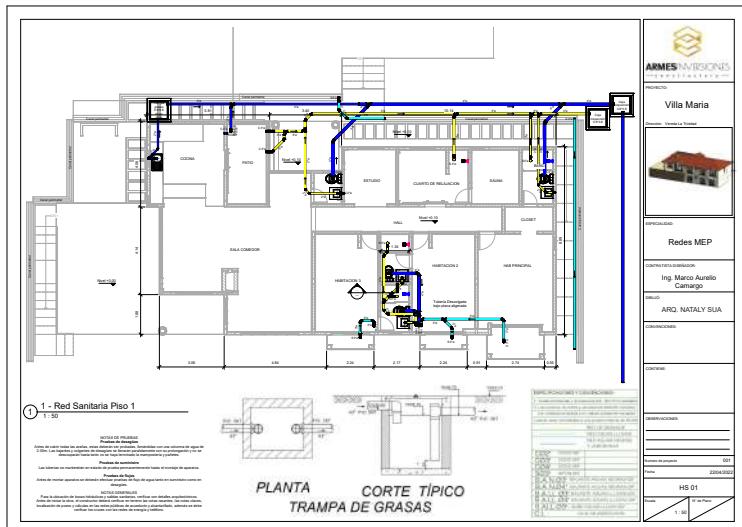
VILLA MARIA HOME



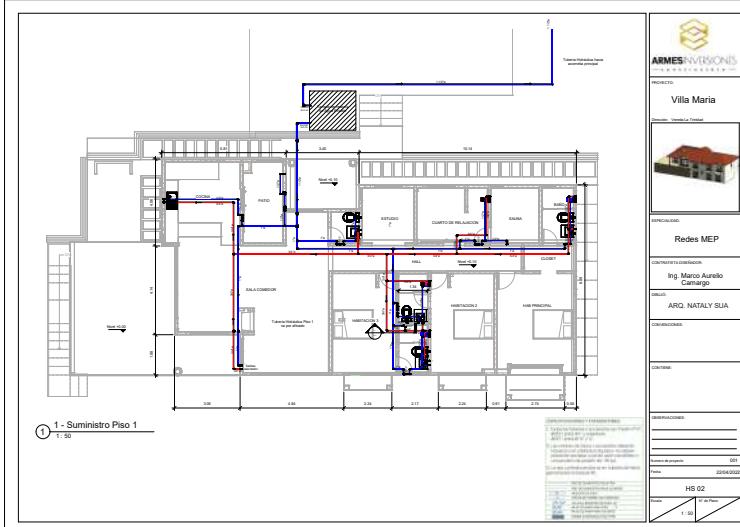
ARCHITECTURAL DRAW



STRUCTURAL DRAW



PUMBING DRAW



PUMBING DRAW

After completing the BIM coordination process and resolving all the conflicts detected between the various disciplines using Navisworks, the project's executive documentation was generated directly from the models developed in Revit. This documentation included architectural, structural, and MEP specialty drawings, all consistent with the federated model. Working within a coordinated, conflict-free environment ensured the accuracy, consistency, and traceability of the information issued for construction, optimizing delivery times and ensuring the technical quality of the deliverables according to the standards defined in the BEP.



VELAN HOUSE

Single family home

LOCATION: Duitama, COLOMBIA

LOT AREA: 1.000 m²

USE: Residential

TOTAL CONSTRUCTION AREA: 258,51 m²

LEVELS: 1 Floors

RESIDENTIAL UNITS: 1 Units

PARKING UNITS: 5 Units

YEAR: 2024

RESPONSIBILITIES IN THIS PROJECT

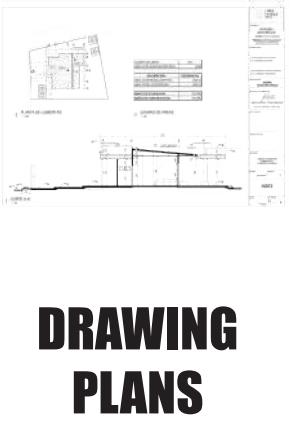
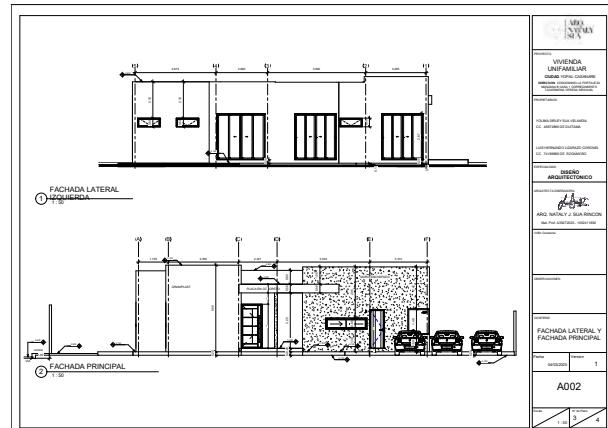
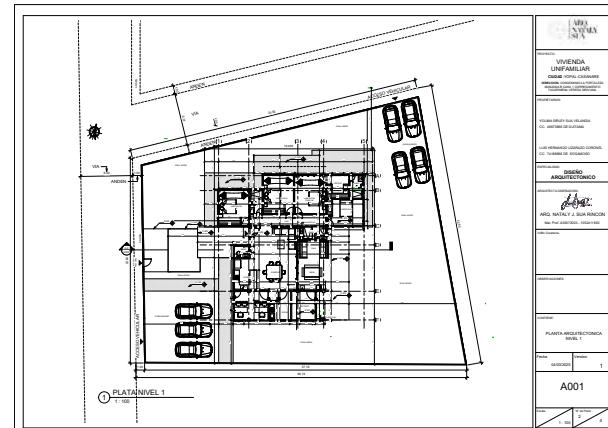
ARCHITECTURAL DESIGN

MODEL 3D

RENDERS



DESIGN AND RENDERS



DRAWING PLANS

OJEDA HOUSE

Single family home

LOCATION: Duitama, COLOMBIA

LOT AREA: 100m²

USE: Residential

TOTAL CONSTRUCTION AREA: 435 m²

LEVELS: 4 Floors

RESIDENTIAL UNITS: 3 Units

PARKING UNITS: 3 Units

YEAR: 2021



**MODEL 3D
RENDERS**



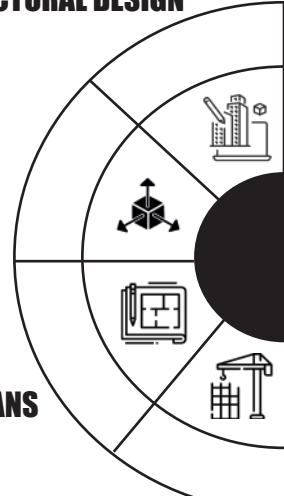
RESPONSIBILITIES IN THIS PROJECT

ARCHITECTURAL DESIGN

**MODEL 3D
RENDERS**

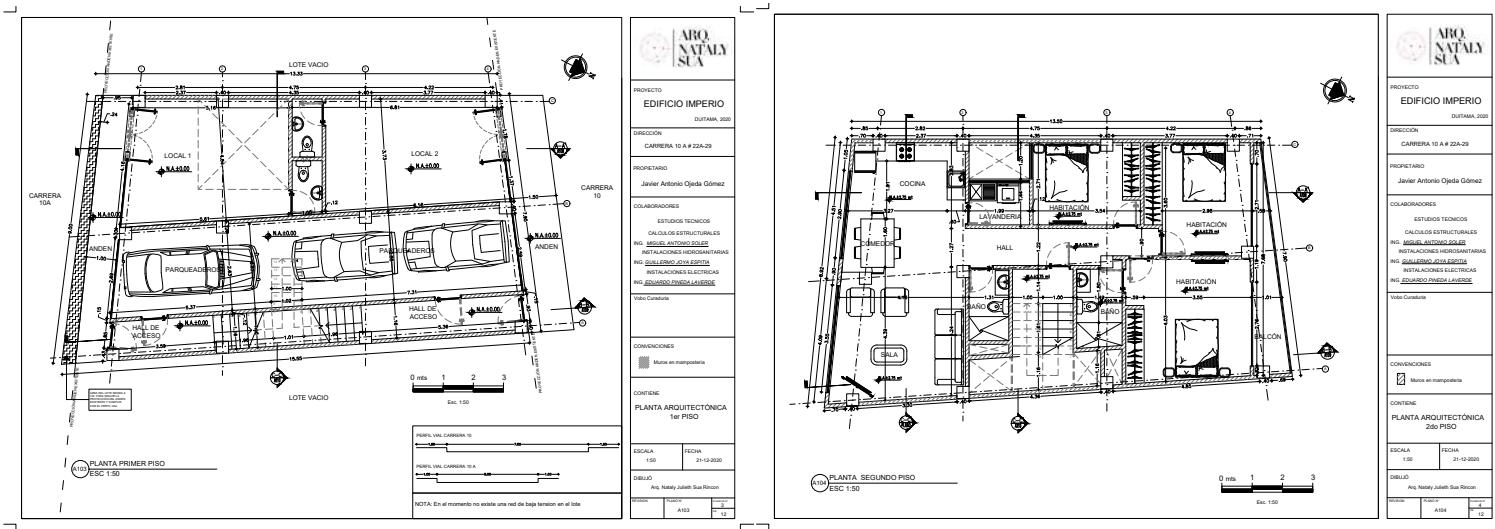
DRAWING PLANS

CONSTRUCTION 2021



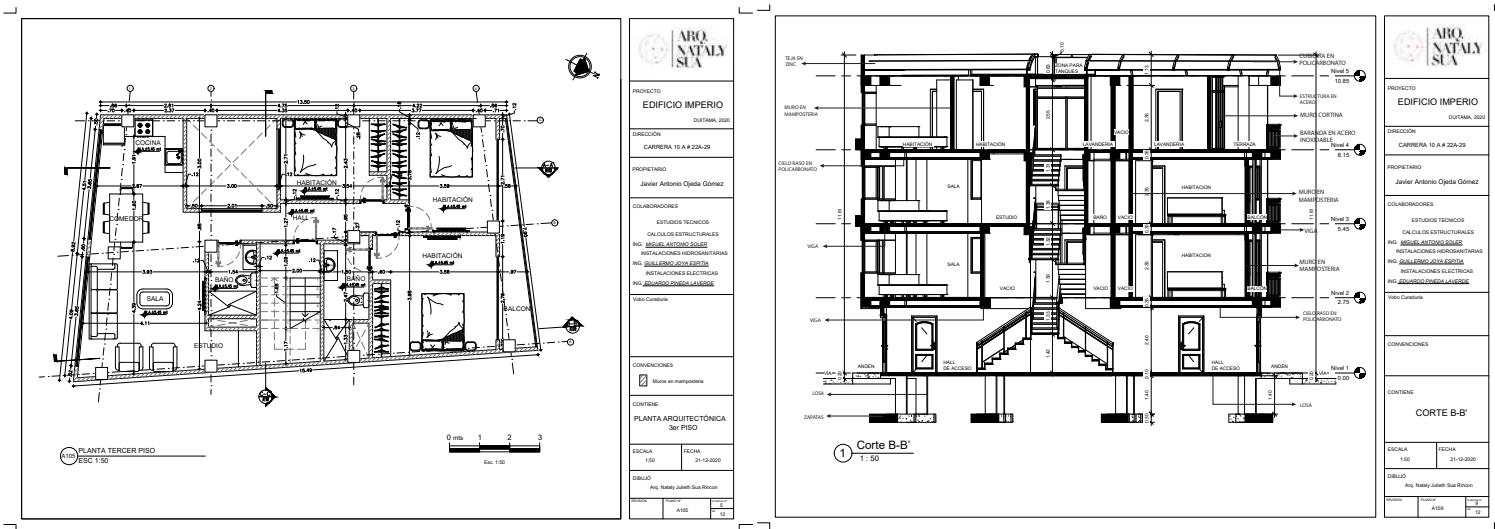
DRAWING PLANS

OJEDA HOUSE



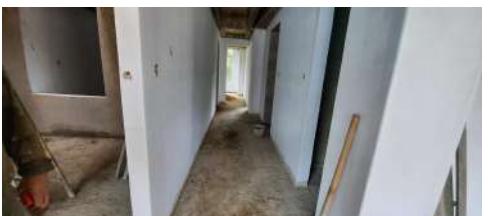
For the construction of this project, all the necessary plans were drawn up to obtain the building permit:

- Architectural plans
- Structural plans
- Hydraulic plans
- Electrical plans
- Soil survey



CONSTRUCTION 2021

OJEDA HOUSE



This project was built from January 2021 to August 2021.

ARMES INVERSIONES OFFICE

Single family home

LOCATION: Duitama, COLOMBIA

USE: Office

TOTAL AREA: 120 m²

YEAR: 2022

COMPANY: Armes inversiones SAS

RENDERS



CONSTRUCTION

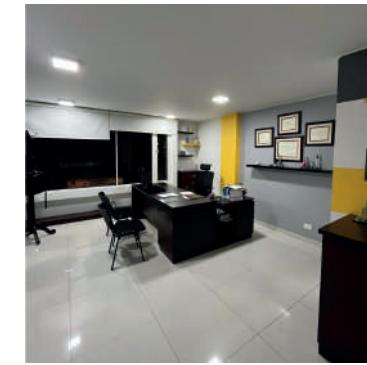


BEFORE

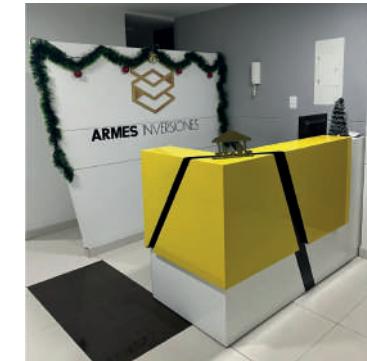


RESPONSIBILITIES IN THIS PROJECT

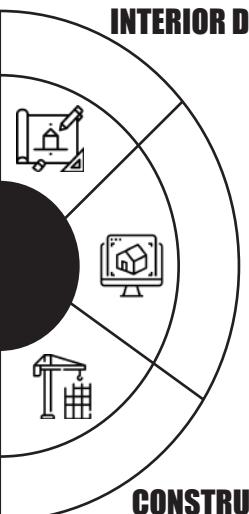
INTERIOR DESIGN



MODEL 3D
AND RENDERS



CONSTRUCTION 2022



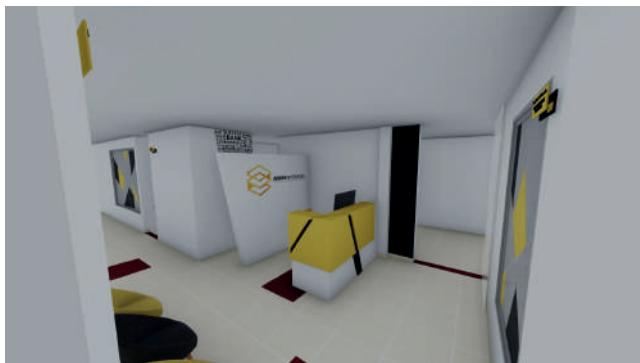
ARMES INVERSIONES OFFICE

Single family home

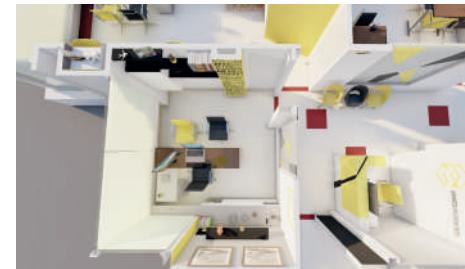
The interior design for the remodeling of the Armes Inversiones offices was developed, taking its visual identity as a starting point and using its corporate color palette as a basis.

The project also included custom furniture design for each of the areas renovated, with the goal of optimizing both the functionality and aesthetics of the spaces.

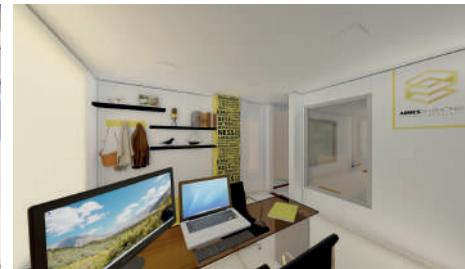
The remodeling was completed in 2022.



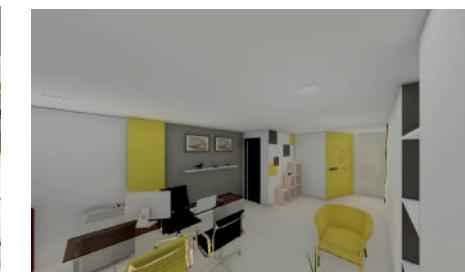
201 OFFICE



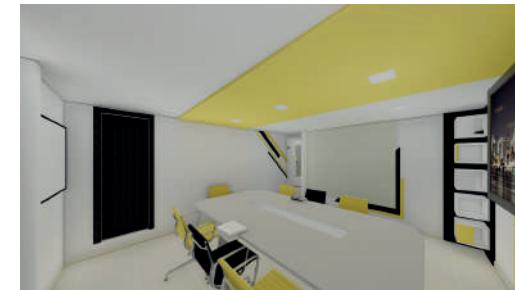
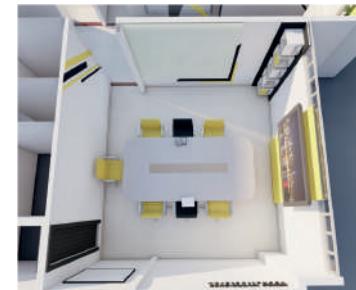
OTHER RENDERS



202 OFFICE



BOARDROOM



***"I GIVE THANKS TO ARCHITECTURE BECAUSE IT HAS ALLOWED
ME TO SEE THE WORLD THROUGH ITS EYES"***

RAFAEL MONEO