

BIM ARCHITECTURE

2026

PORTFOLIO.

Laura Suchac

About



EDUCATION

Architect
University of Buenos Aires (FADU)
2009 – 2016

TECHNICAL SKILLS

BIM & CAD:

ArchiCAD ██████████
AutoCAD ██████████
Revit ██████████

Visualization & Modeling:

SketchUp ██████████
Lumion ██████████
3ds Max ██████████
+Vray ██████████

Graphics & Docs:

PhotoShop ██████████
CorelDraw ██████████
Illustrator ██████████
Office Pack ██████████

Languages:

Spanish ██████████
English ██████████
Japanese ██████████

Other:

BIM Cloud Basic

GDL Object Creation

Creation and editing of
multimedia content

Arq. Laura Suchac

Remote BIM Architect | Archicad Expert | BIM Manager

Architect with over 7 years of experience in BIM-based design, construction supervision, and technical training. Specialized in BIM implementation, Archicad workflows, parametric modeling, and technical coordination for public and private projects. Skilled in parametric modeling and creating training content for technical teams.

Fully equipped for remote collaboration: strong internet connection, BIMcloud experience, and flexible work hours for international coordination.

CERTIFICATIONS & COURSES

- **Graphisoft BIM Manager Certification – 2023**
- Holistic Architecture: Healthy Home Design – FADU-UBA (2021)
- Sustainable Earth Construction Design – FADU-UBA (2017)
- Healthy Materials for Sustainable Construction – FADU-UBA (2017)

WORK EXPERIENCE

Jul 2023 - Present **BIM Manager
National Institute of Technological Education (INET), Argentina**
Developed the institute's official BIM Manual and usage guidelines.
Maintained BIM templates and managed BIMcloud Basic.
Audited project files and enforced documentation standards.
Designed and delivered BIM training programs for educators and students.

Jun 2022 - Jul 2023 **BIM Implementation Assistant – Archicad
INET, Argentina**
Provided virtual support and training for infrastructure professionals across the country.
Created academic audiovisual content and parametric BIM objects (GDL).
Developed institutional BIM templates and performed detailed modeling.

Oct 2021 - Jun 2022 **Senior Architect – Freelance**
Estimated materials and labor for residential renovations and extensions.
Managed projects under BIM methodology.
Supervised construction works and procurement processes.

Sep 2017 - Oct 2021 **Architect at IPE80 – Britos/Paolucci/Suarez/Suchac**
Managed construction sites, materials planning, and project detailing. Liaised with government agencies and contractors. Designed and modeled new works in BIM.

Key Projects:
Villa 31 & 31 Bis (Buenos Aires) – Supervision of 21 housing renovations, a community dining hall (Arca de Noé), and a sports field (Cancha Güemes).
Villa 20 (Lugano) – Housing improvement for individuals with mobility limitations.
Glew (Pueblo Unido) – Design and budgeting for a childcare center.
Private homes – Executive design and project management.

Mar 2015 - Dec 2015 **Teaching Assistant – Structures II
FADU, University of Buenos Aires**
Supported students in reinforced concrete structure calculations and graded practical assignments.

Contact

+54 9 11 5952 5933
suchaclaura@gmail.com
[Laura.suchac](#)

Contents ◦

Projects

- 1. 45° House
- 2. Del Plata House
- 3. Remodeling La Rioja

INET - Models

- 4. INET Building Survey
- 5. Modeling of Mobile Workshop Classroom

INET - BIM Execution Plan

- 6. INET´s BIM Manual

INET - BIM training program

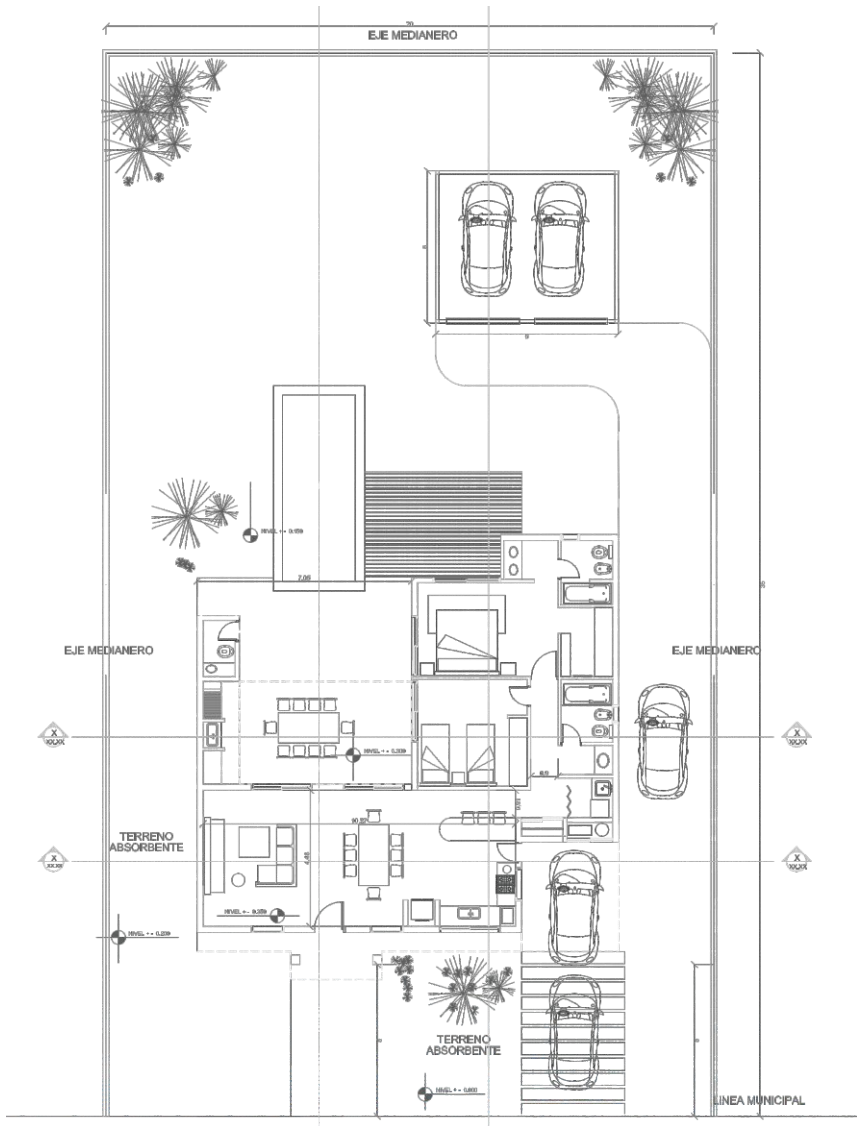
- 7. Introduction to Parametric Modeling playlist
- 8. MEP modeling playlist
- 9. Playlist of other tools

45 House ◦

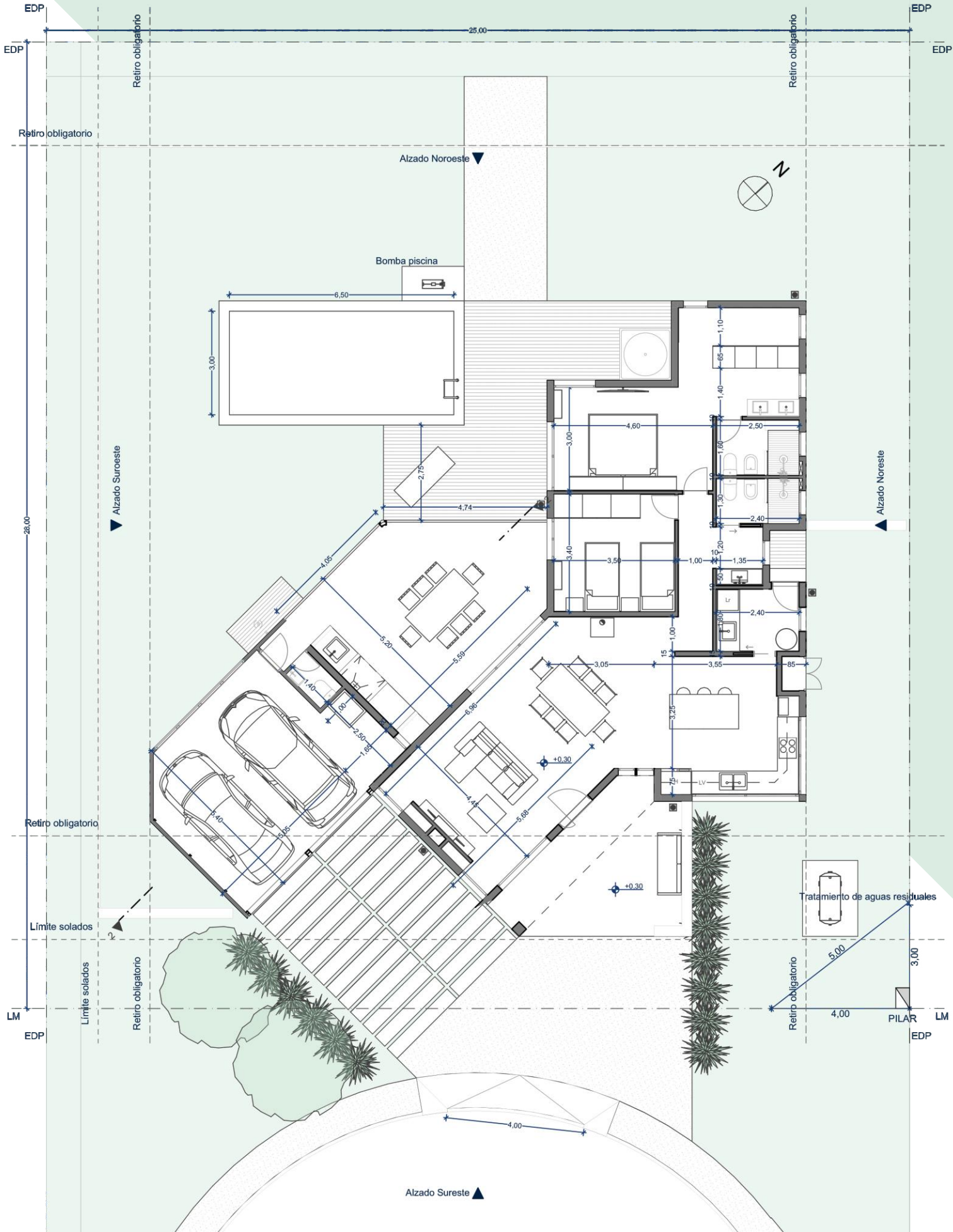
Type: Residential
Location: La Plata, Buenos Aires, Argentina
Role: Project architect
Year: 2024

A single-family home in a gated community. Situated on a cul-de-sac lot **with two frontages facing the lake, the design incorporates a 45-degree bend in the floor plan to open up views and expand the social area.**

The project began with a preliminary layout brought by the client, who was seeking a new design tailored to their preferences. The scope of my work included analysis and redesign of the home, parametric modeling, production of construction documents, and quantity take-offs for finishes and millwork.

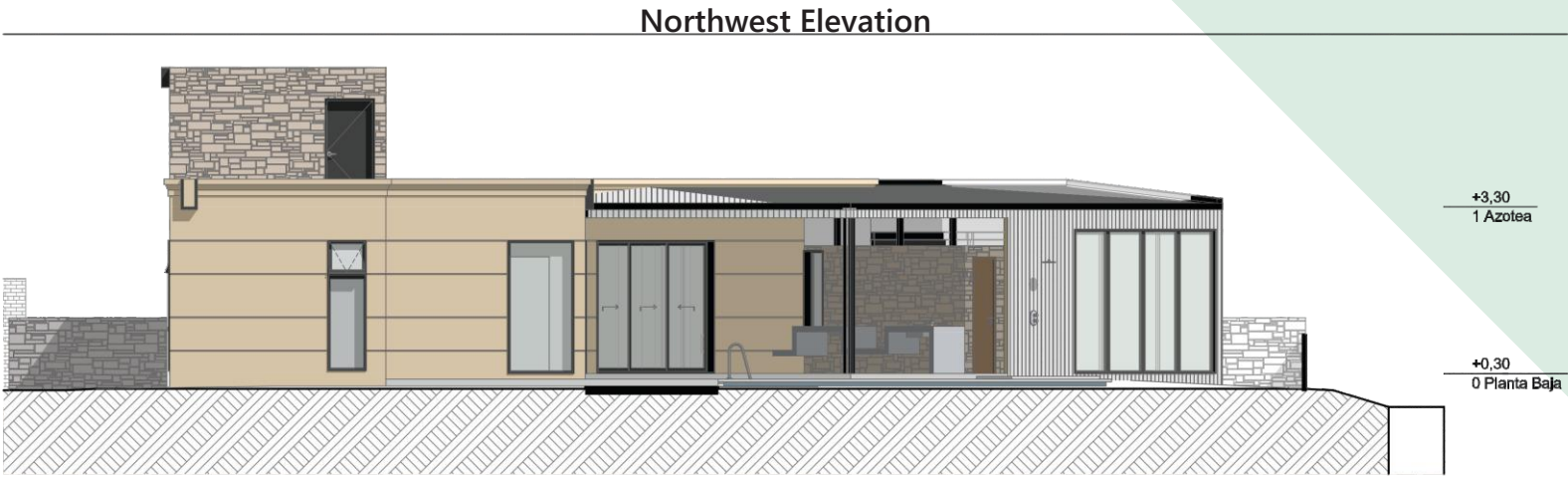
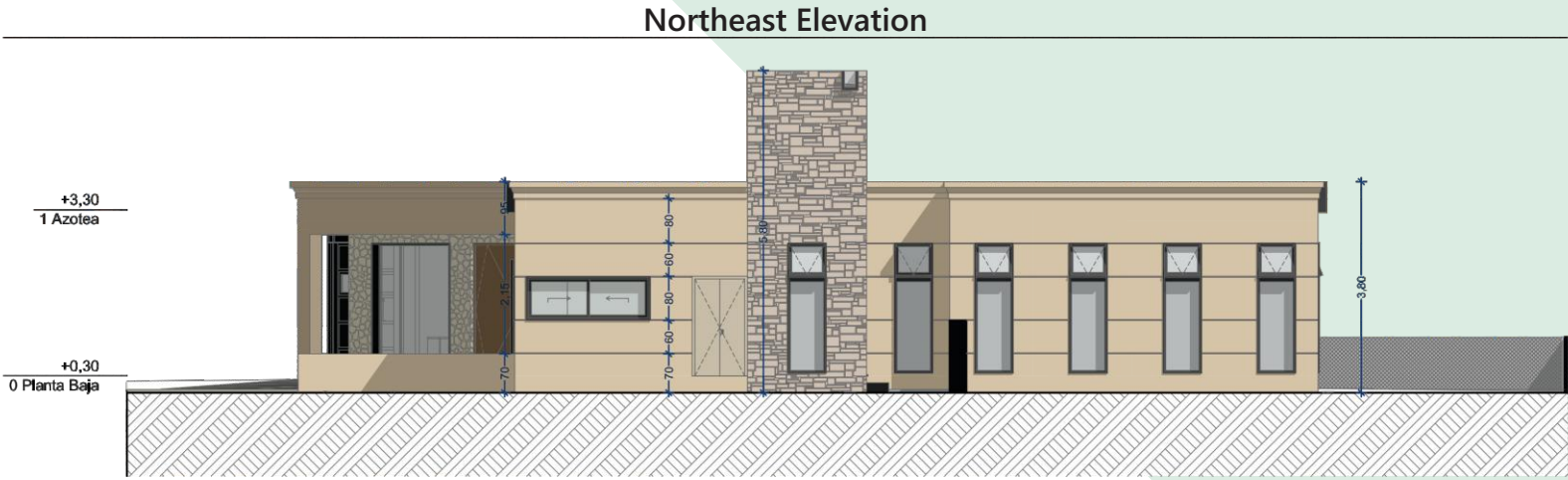
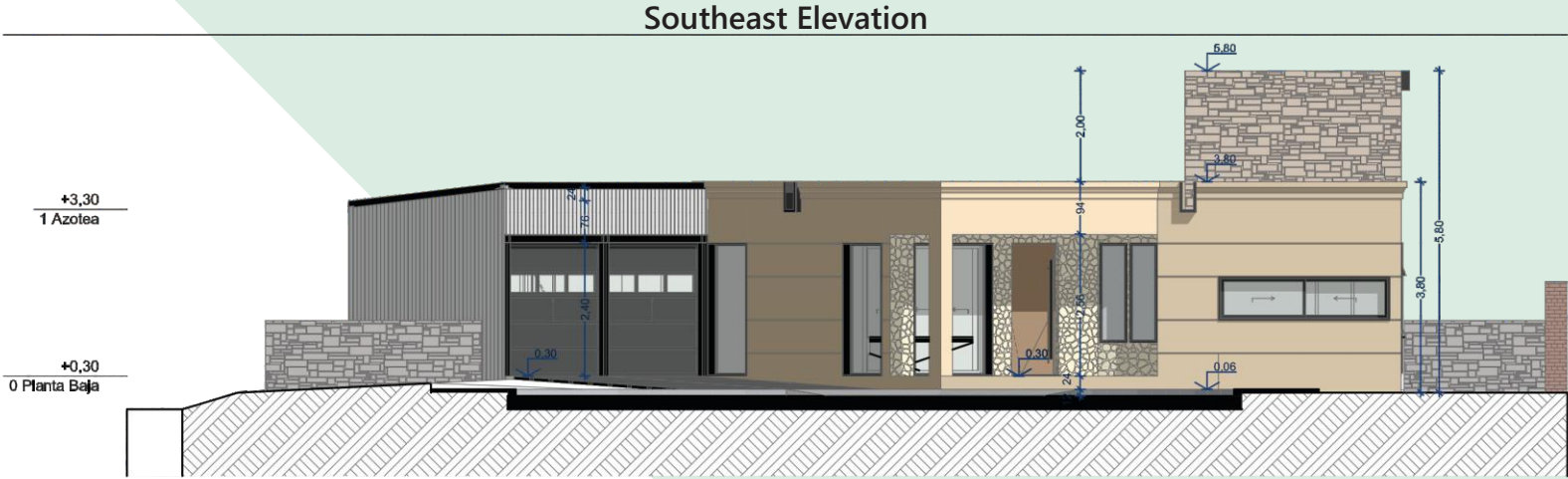
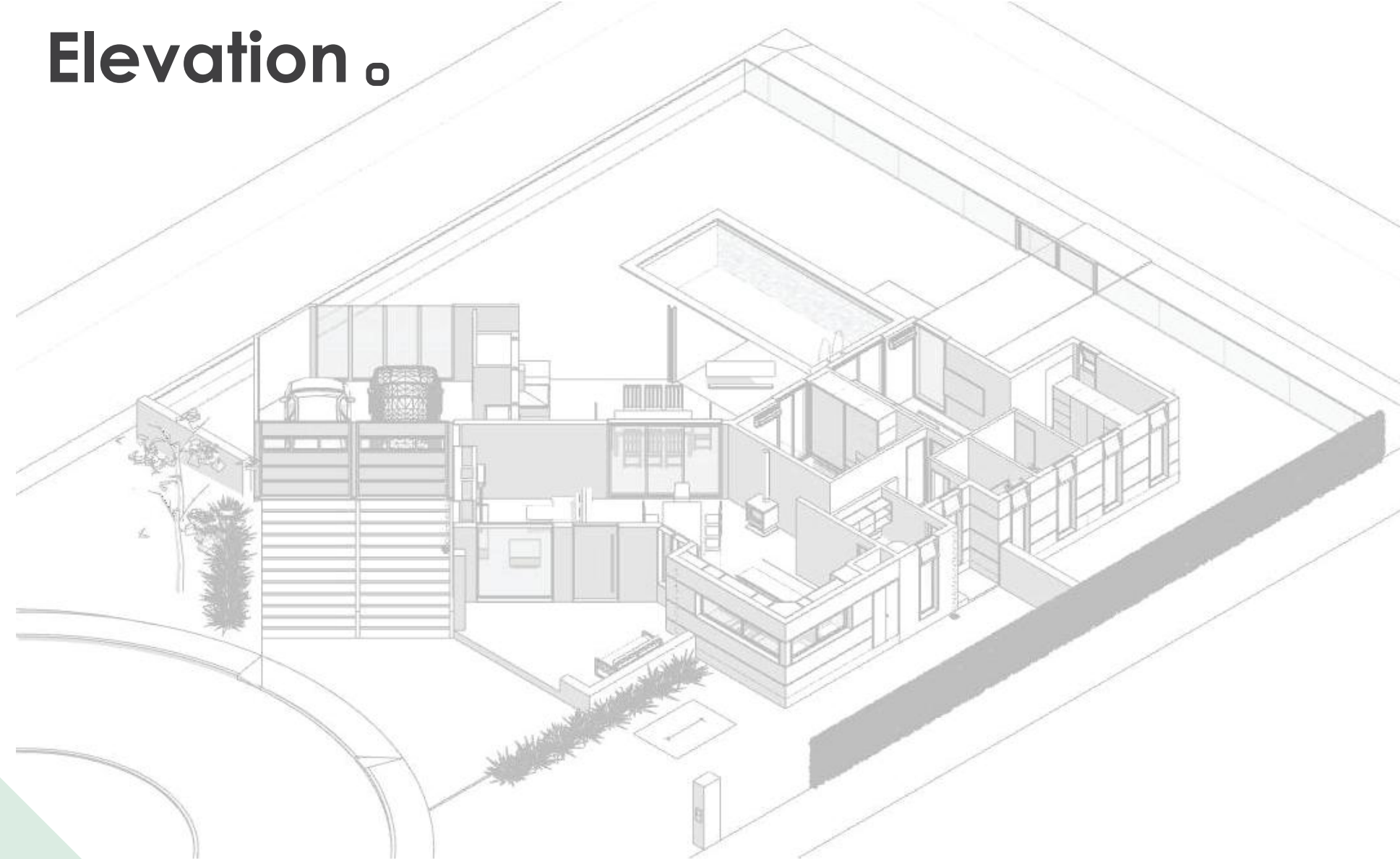


Client's Plan



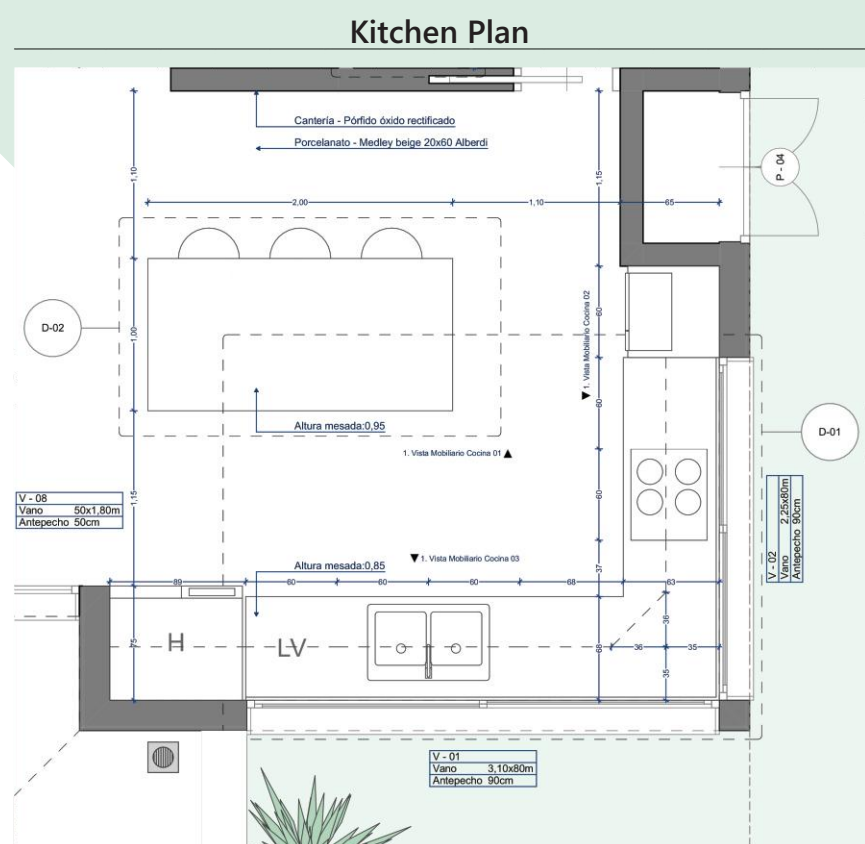
Redesign

Views and Elevation.

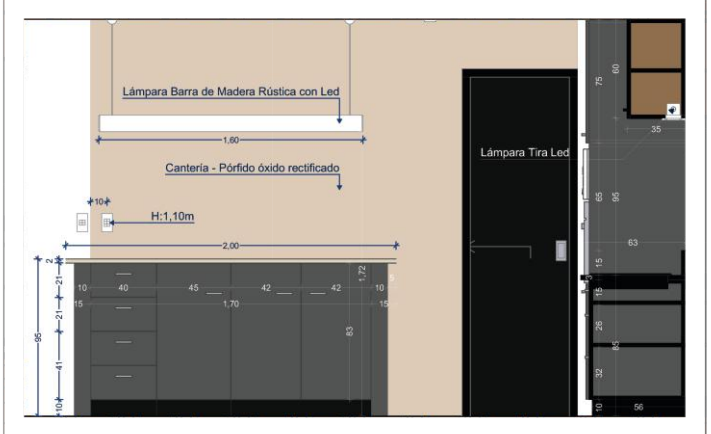


Detail plans ◦

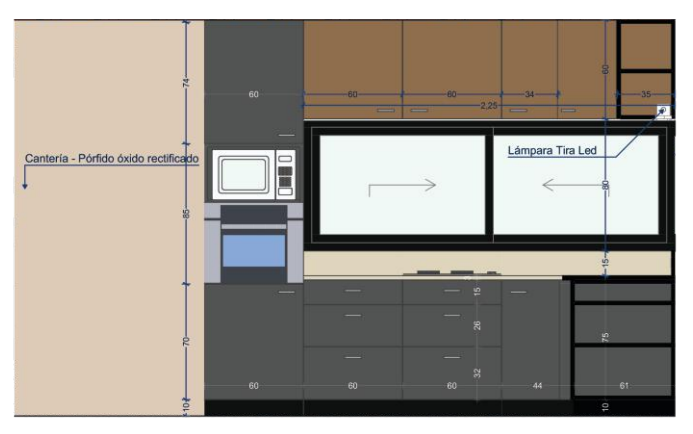
Kitchen



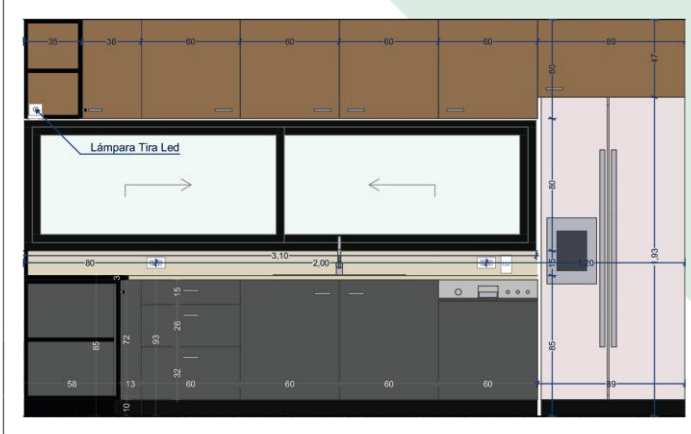
1. Kitchen Southeast Elevation



2. Kitchen Southwest Elevation



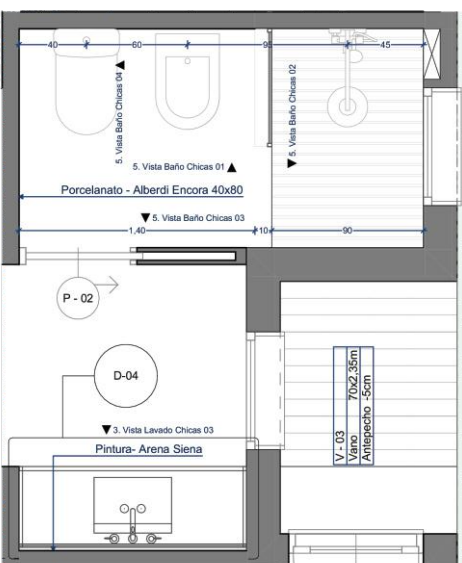
3. Kitchen Northwest Elevation



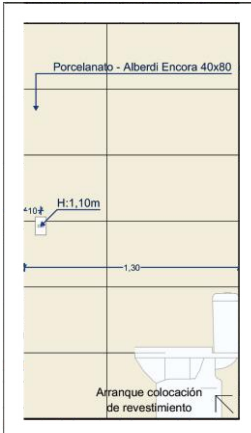
Girls' Bathroom



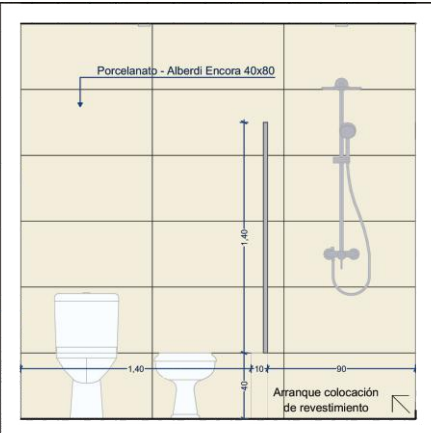
Bathroom Plan



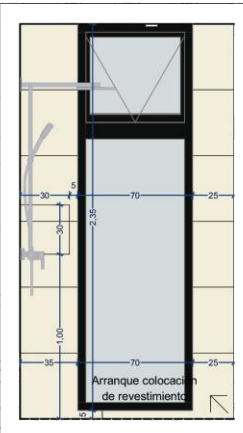
1. Bathroom Elevation



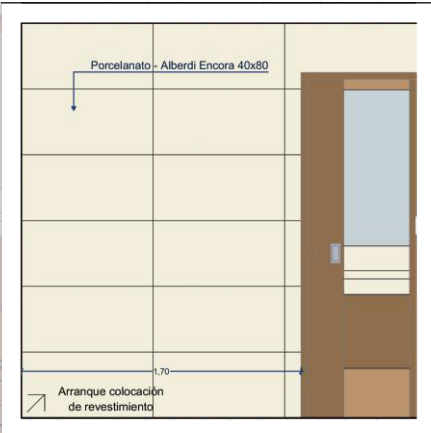
2. Bathroom Elevation



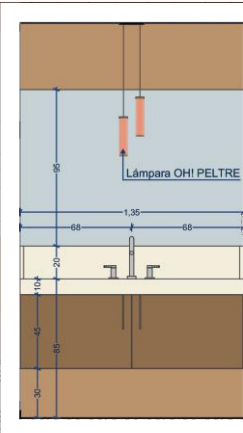
3. Bathroom Elevation



4. Bathroom Elevation



4. Vanitory Elevation



Materials



Schedules

Window schedule

OPCIÓN 1: Aluminio A30 con paños vidriados de doble laminado y DVH 4+4+9+4+4
OPCIÓN 2: Aluminio A30 con paños vidriados de DVH 4+9+4
Color del aluminio: Negro Semimate

Ventana						
V - 01	Ventana corrediza dos paños de aluminio	1	3,10×0,80			
V - 02	Ventana corrediza dos paños de aluminio	1	2,25×0,80			
V - 03	<definido>	7	0,70×2,35			
V - 04	Ventana paño fijo de aluminio	1	1,20×2,40			
V - 05	Ventana corrediza dos paños de aluminio	1	2,40×2,40			
V - 06	Ventana corrediza dos paños de aluminio	1	1,20×2,40			
V - 07	Ventana corrediza tres paños de aluminio	1	3,00×2,40			
V - 08	Ventana paño fijo de aluminio	3	0,50×1,80			
V - 09	Ventana paño fijo, cuatro paños de aluminio	1	3,60×2,60			
V - 10	Ventana paño fijo de aluminio	2	1,00×2,40			
V - 11	Ventana paño fijo de aluminio	1	2,00×2,40			

Door schedule

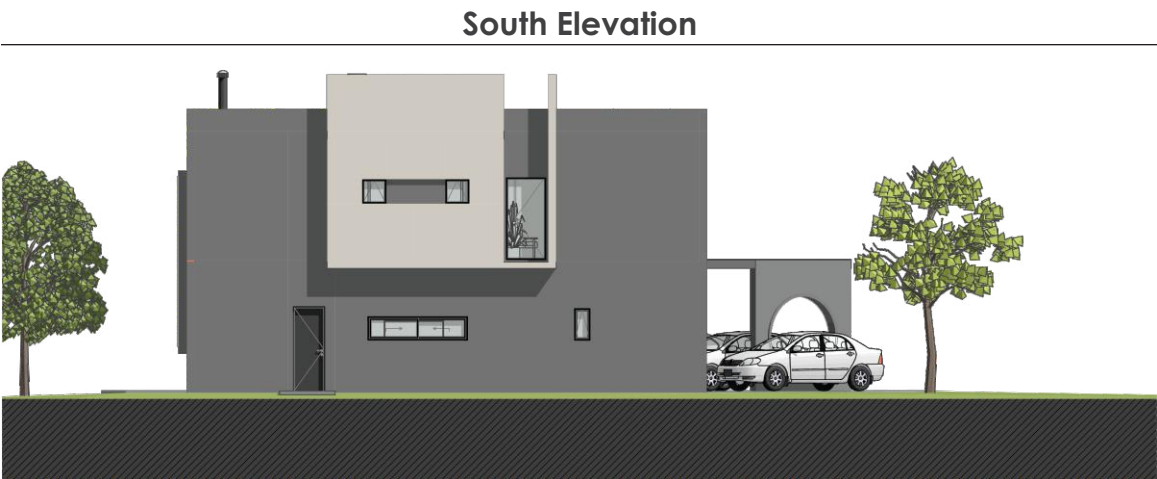
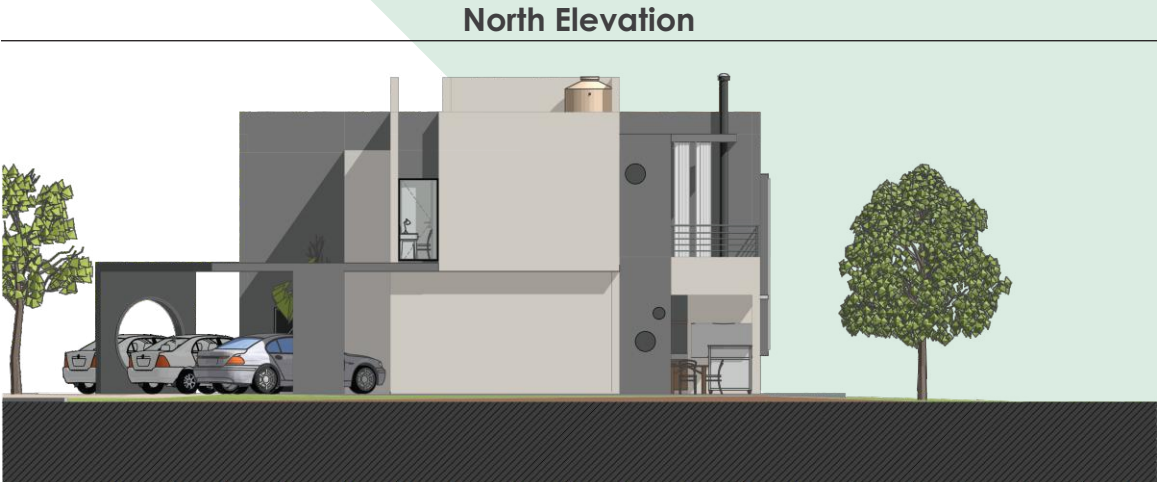
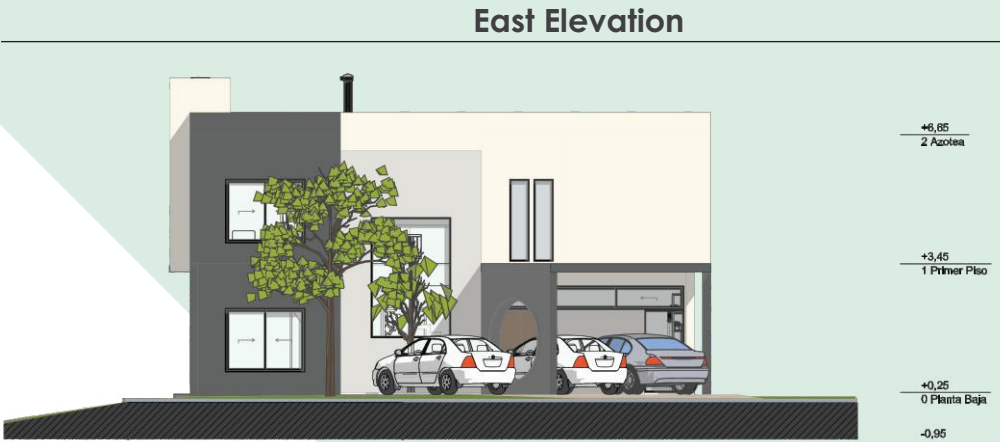
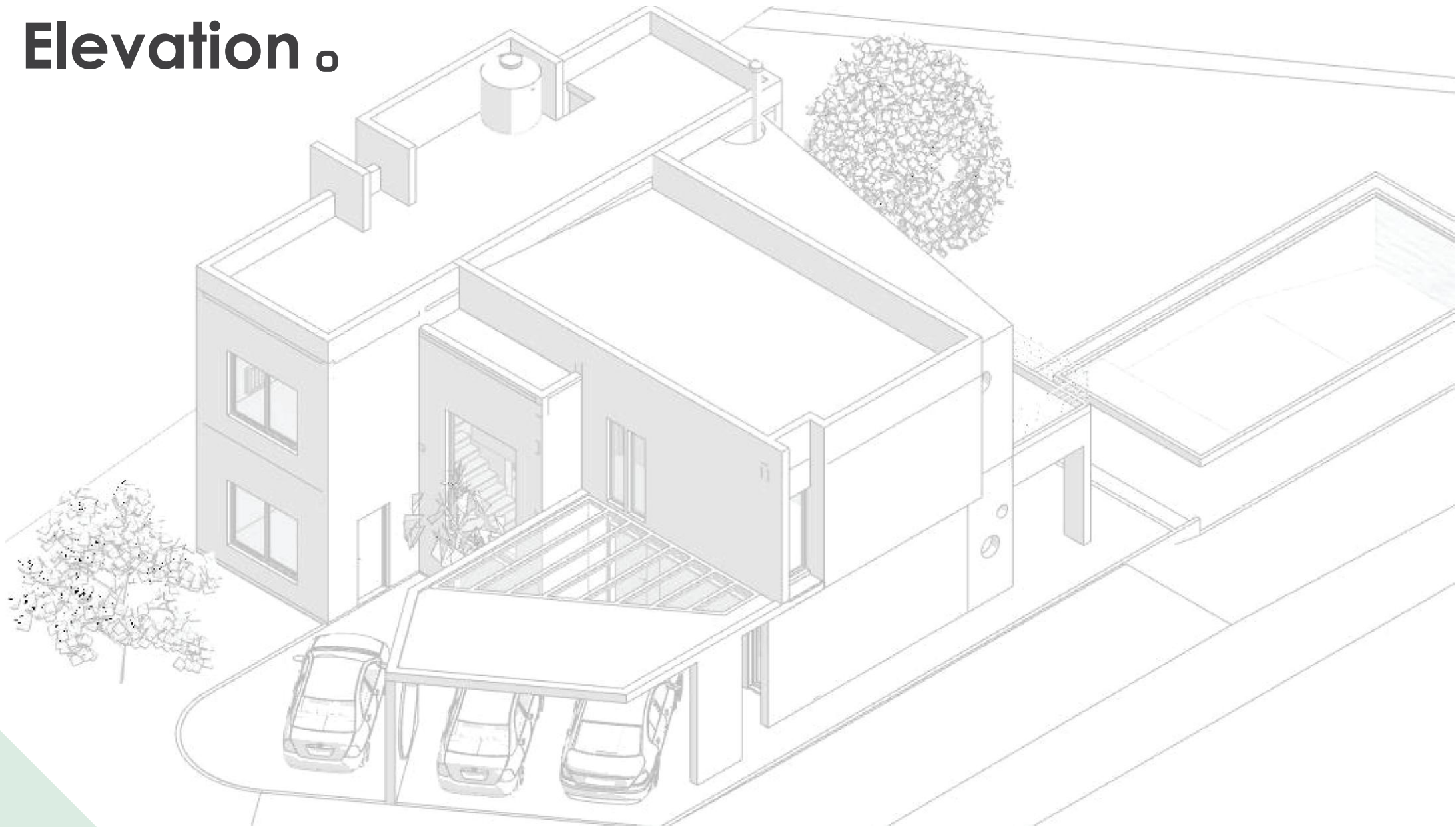
ID	Descripción	Cantidad	Dimensiones en metros	Vista Frontal	Símbolo 2D	Orientación
Puerta						
P - 02	Puerta de acero pivotante marca Oblack línea Tekna	1	1,20×2,40			
P - 02	Puerta placa corrediza	2	0,70×2,10			I
P - 03	Puerta de aluminio batiente con paño vidriado con premarco	2	0,80×2,10			I
P - 04	Puerta doble de aluminio batiente	1	1,00×1,80			I
P - 05	Puerta placa batiente con premarco	3	0,75×2,10			D
P - 06	Puerta placa batiente con premarco	1	0,60×2,10			I
P - 07	Puerta de aluminio batiente	1	0,90×1,90			D
P - 08	Portón	2	2,50×2,40			D



Second Floor

First Floor

Views and Elevation.



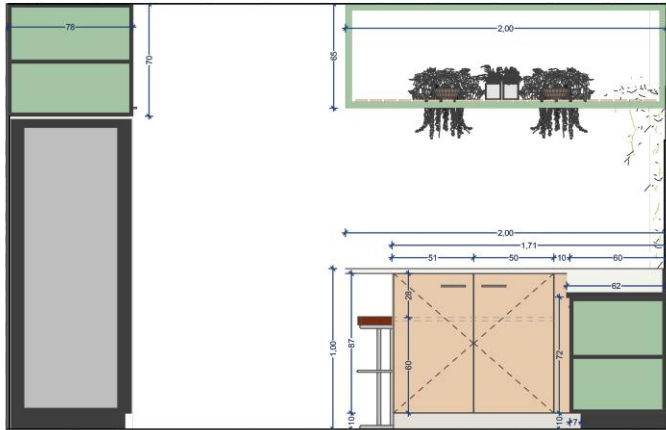
Kitchen Details

Generation of documentation for furniture quotes.

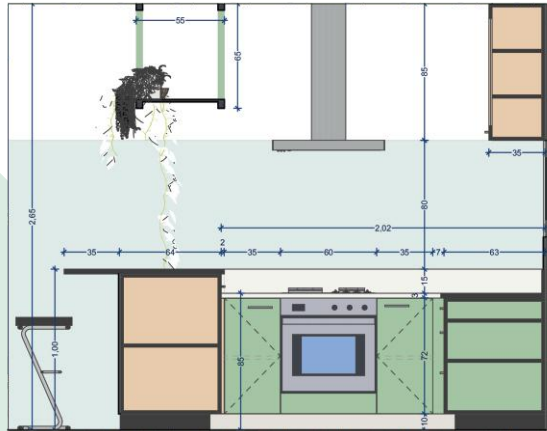
1. Kitchen South Elevation

- Placas de MDF de 18mm con melamina y cantos de abs 0,50mm.
- Melamina marca Faplac linea Camellia
 - Melamina marca Faplac linea Verde Jade
- Escritorio con cajoneras, estantes y compartimento pasa cables con tapa superior.
- Estantes reforzado para libros.
- Herrajes de primera calidad:
- Bisagras cierre suave.
 - Correderas telescópicas con cierre suave.
 - Tiradores a elección del cliente.
- Bajomesada apoya sobre banquina de 56cm de profundidad y 10cm de altura.

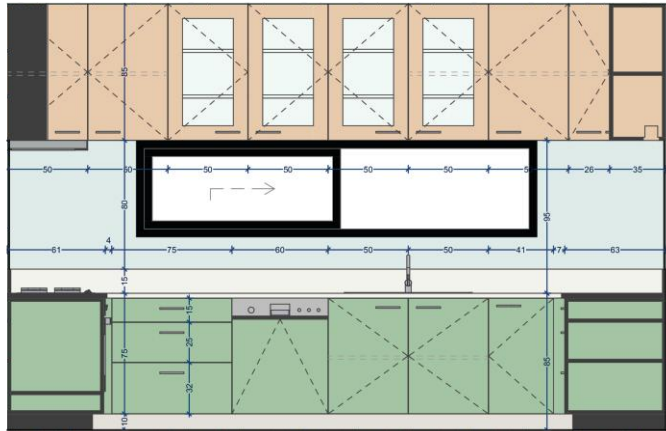
Las medidas descriptas son orientativas, debiendo ser corroboradas en obra.



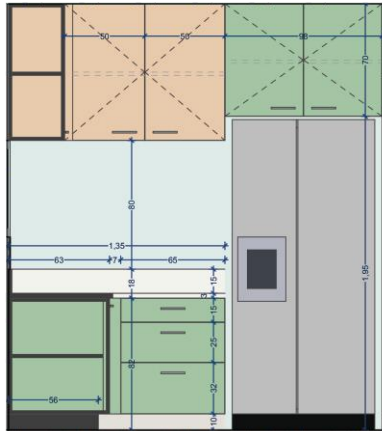
2. Kitchen West Elevation



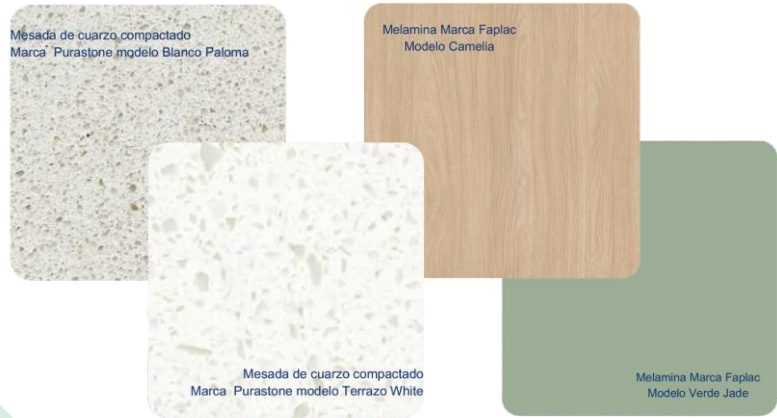
3. Kitchen North Elevation



4. Kitchen East Elevation



Materials



Closet Details

Generation of documentation for furniture quotes.

Placas de MDF de 18mm con melamina a elección del cliente y cantos de abs 0,50mm.
Orientativo: Melamina marca Faplac línea Camellia y puertas melamina Blanca.
Melamina marca Masisa línea Roble Santana y puertas melamina Blanca.

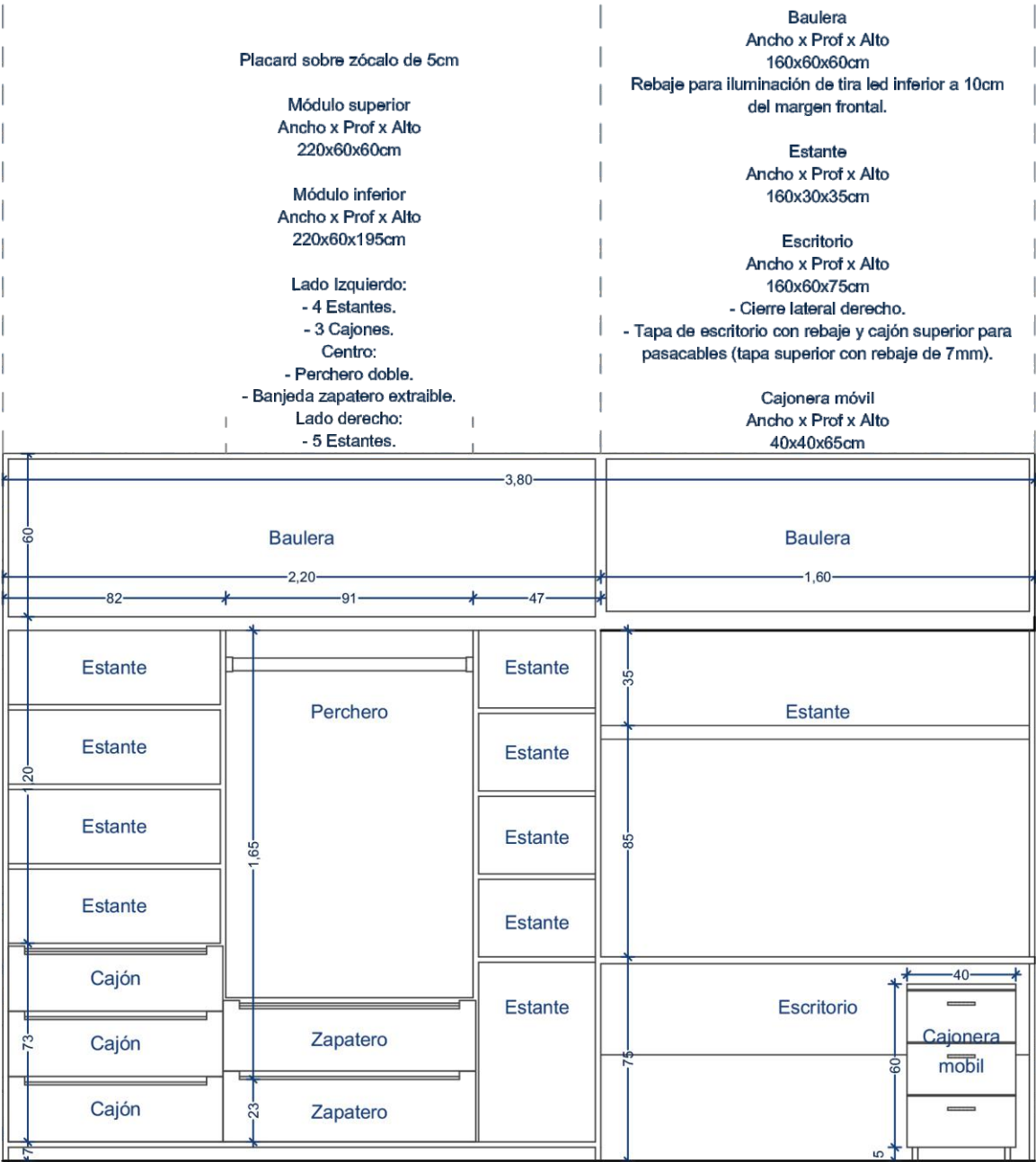
- Placard y bauleras de 2 puertas corredizas con tapacanto en aluminio.
Profundidad: 60cm libres interiores.
- Escritorio con cajonera móvil, estante y compartimento pasa cables con tapa superior.
Estantes reforzado para libros.

Herrajes de primera calidad:
- Correderas telescópicas con cierre suave.

Detalle tapa escritorio



Sistema de tomas ocultos



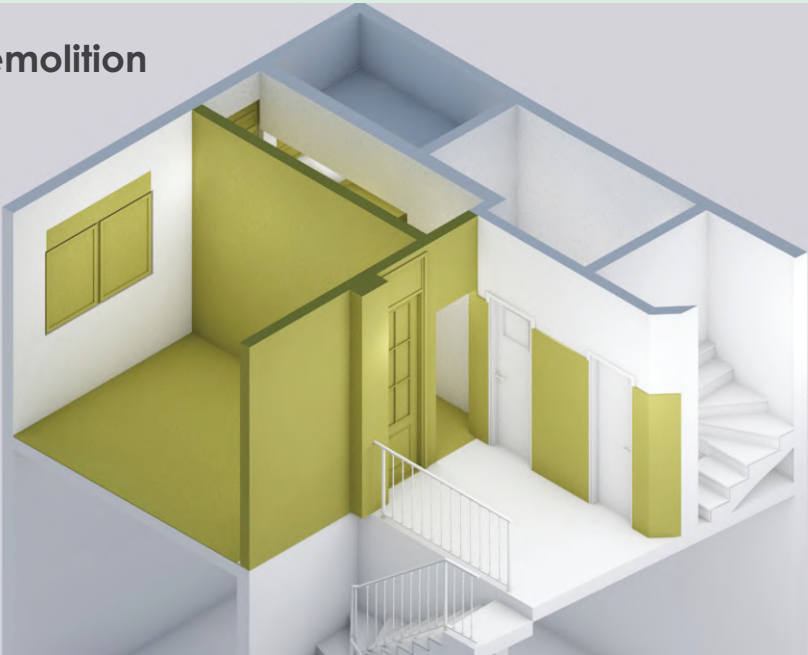
Remodeling La Rioja o

Type: Residential
Location: CABA, Buenos Aires, Argentina
Role: Project architect
Year: 2018

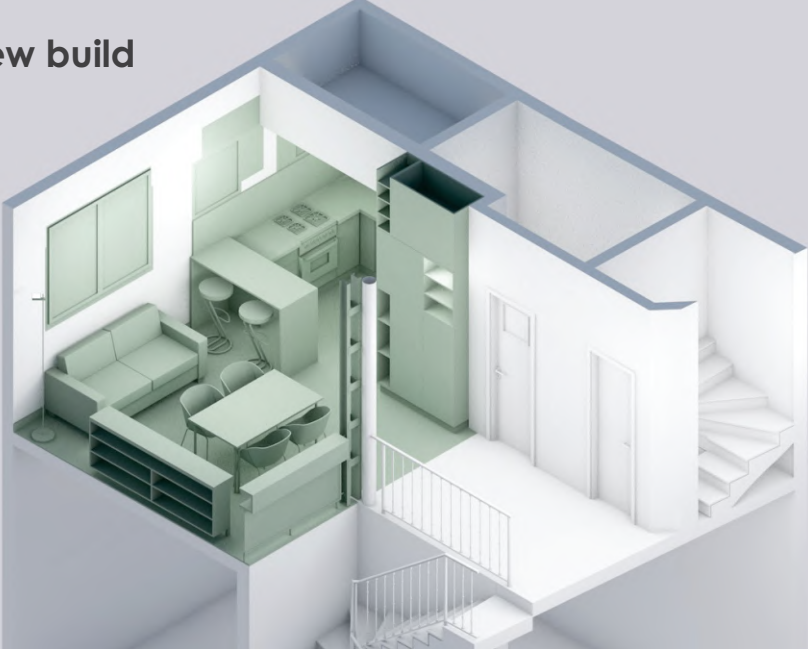
Renovation of a single-family home located in an old city building on La Rioja Street, in the San Cristóbal neighborhood.



Demolition



New build



Proposed



INET Building Survey.

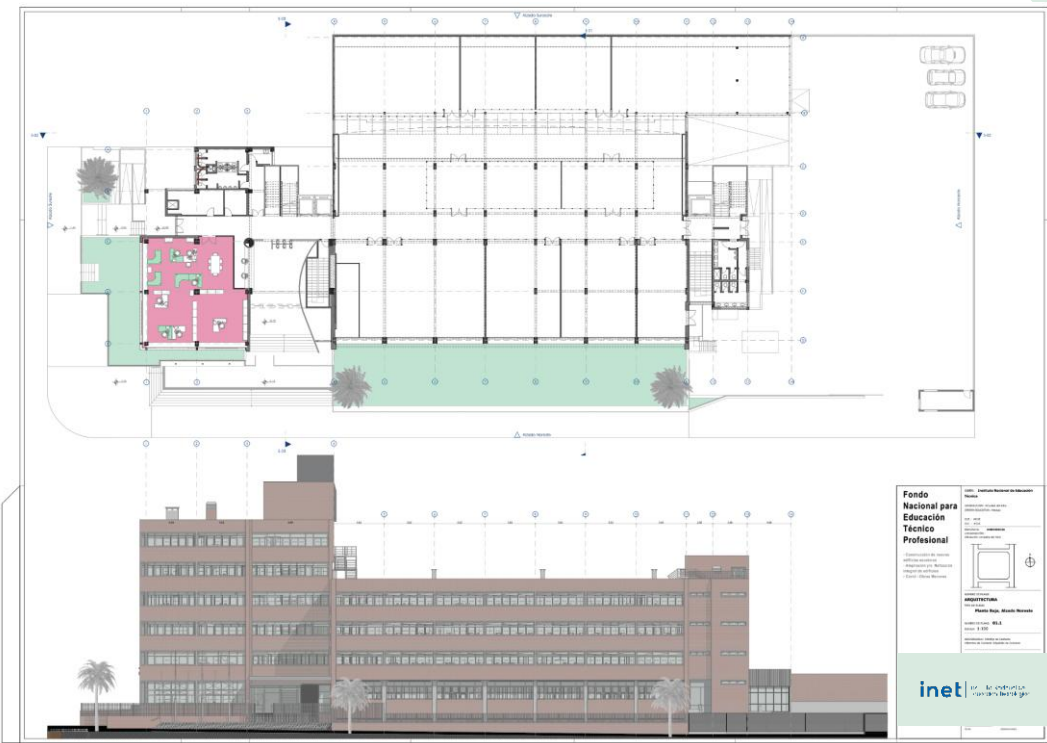
Building survey and parametric modeling. The processed information was intended to document available workstations and locate assigned personnel.



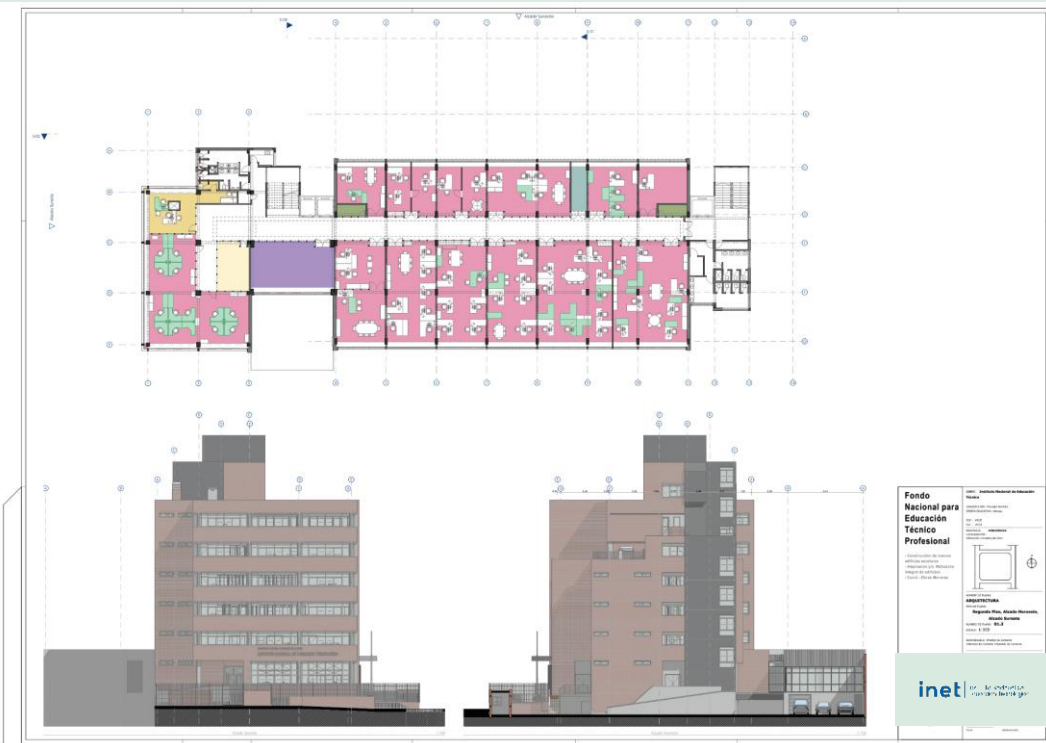
Links.

[INET building modeling](#)

First Floor and Northeast Elevation



Third Floor, Northwest Elevation, and Southeast Elevation



Second Floor and Southwest Elevation

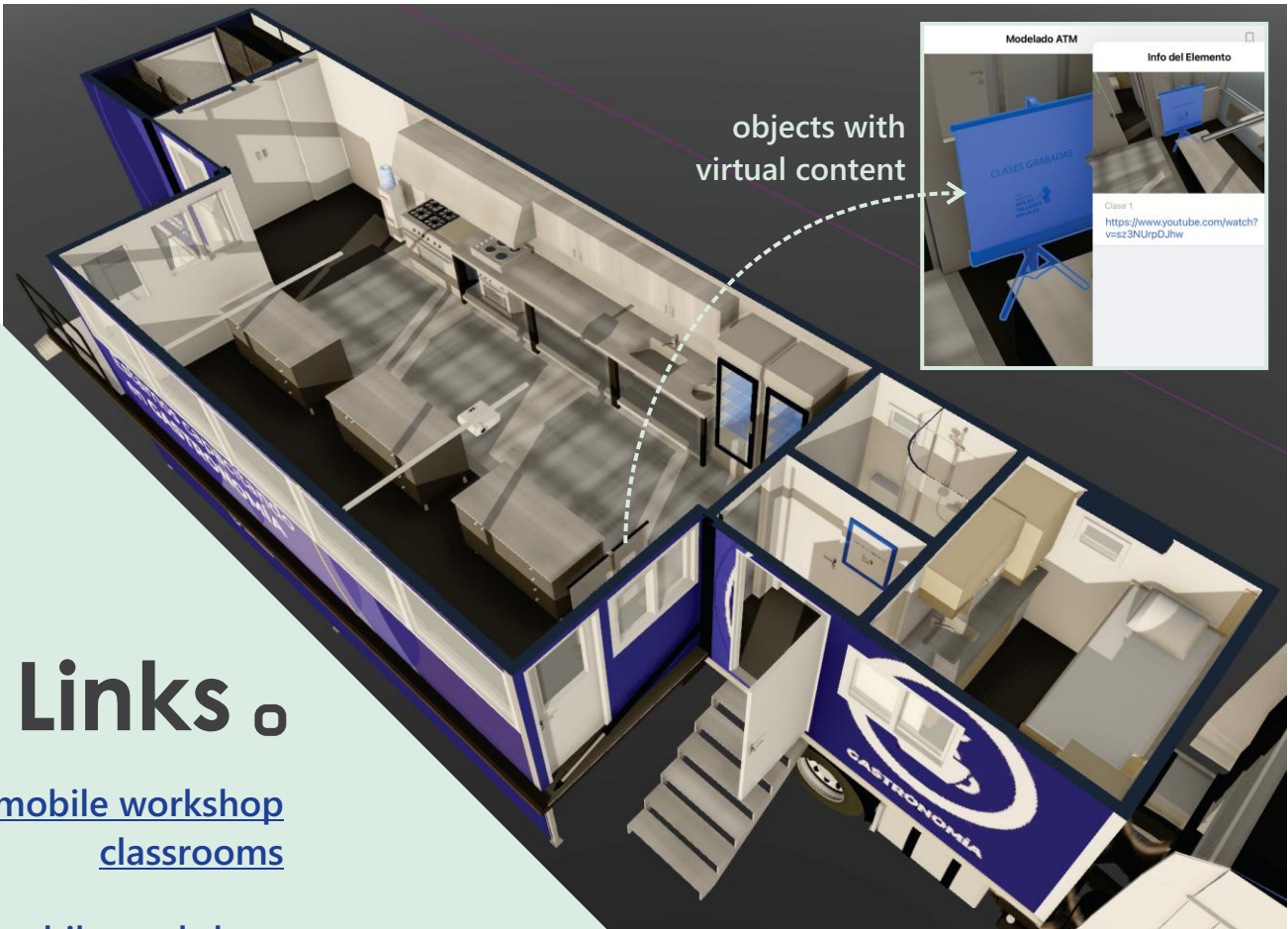


Fourth Floor and Roof Floor



Modeling of Mobile Workshop Classroom

Building survey and parametric modeling. The processed information aimed to document the inventory within the mobile workshop classrooms.

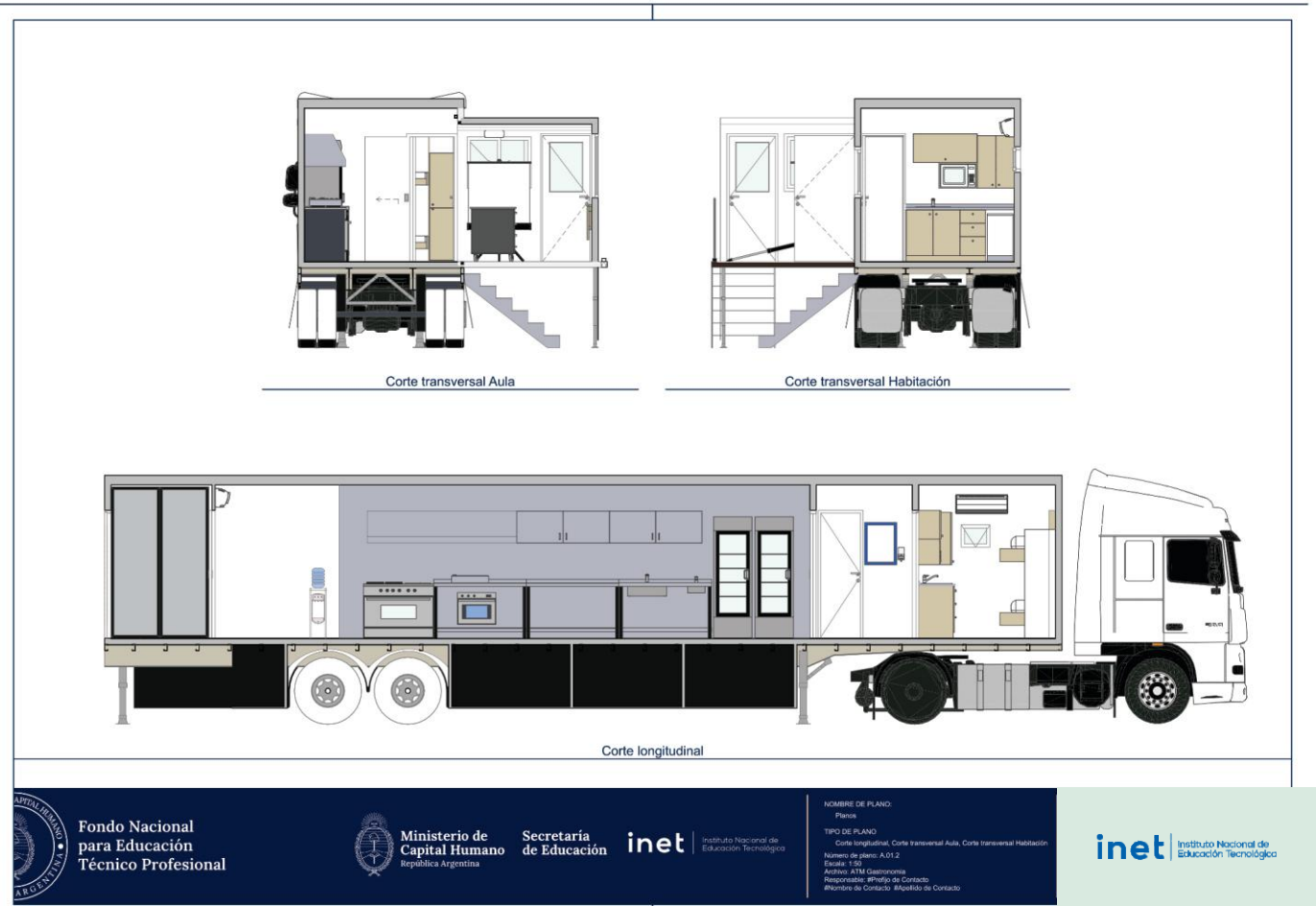
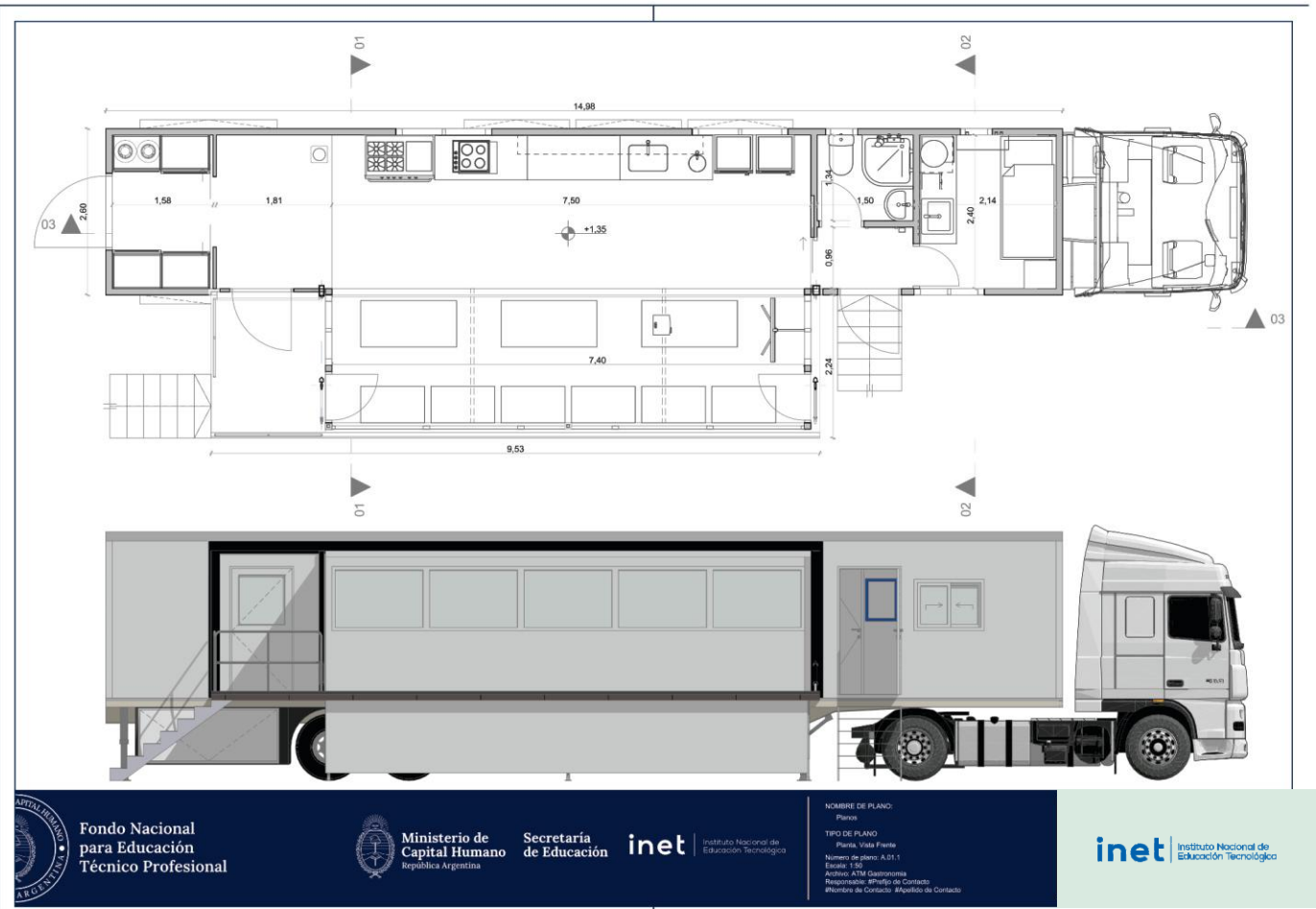


Links

[Modeling of mobile workshop classrooms](#)

[Video of mobile workshop classroom](#)

Plan, Elevations, and Sections



Inventory from model

Inventario			
Item	Equipo o máquina de uso General	Cant.	Unid.
56	Bowl's acero inoxidable mediano	4	un.
57	Bowl's batidor con mango grande acero inoxidable	4	un.
58	Bowl's batidor con mango grande acero inoxidable	4	un.
59	Cacerola aluminio n° 18	3	un.
60	Cacerola aluminio n° 22	2	un.
61	Cacerola aluminio n° 24	2	un.
62	Cacerola con mango n° 18 acero inoxidable	3	un.
63	Cacerola con mango n° 22 acero inoxidable	2	un.
64	Cafetera acero inoxidable x 1.5 lt.	2	un.
65	Cenidor acero inoxidable N° 22	2	un.
66	Compufrutas de acero inoxidable	24	un.
67	Cuchara de silicona grande repostera	6	un.
68	Cuchara de silicona mediana repostera	6	un.
69	Cuchara de acero inoxidable	12	un.
70	Cuchara de madera mediana	6	un.
71	Cuchara de acero inoxidable	24	un.
72	Cuchara de aluminio chico	6	un.
73	Cuchillo acero inoxidable	12	un.
74	Cuchillo de acero inoxidable	5	un.
75	Cuchillo de cocina	5	un.
76	Cuchillo de corte	5	un.
77	Cuchillo de corte	5	un.
78	Cuchillo de corte	5	un.
79	Cuchillo de corte	5	un.
80	Destapador vinos	4	un.
81	Espresso pastelería grande	6	un.
82	Espresso pastelería mediana	6	un.
83	Espresso de GOMA mediana	12	un.
84	Espresso de GOMA chico	6	un.
85	Jarros medidores	4	un.
86	Jarros de acero inoxidable x 300 cm3	12	un.
87	Mangas N° 5	12	un.
88	Moldes bizcochuelo silicona N° 20 redondo	6	un.
89	Moldes bizcochuelo silicona N° 22 cuadrado	6	un.
90	Moldes para buñuelos chicos aluminio	12	un.
91	Moldes para N° 24 aluminio	6	un.
92	Moldes para N° 24 aluminio	6	un.
93	Moldes para Bizcochuelos N° 22 redondos aluminio	3	un.
94	Moldes para Bizcochuelos N° 24	3	un.
95	Moldes para Bizcochuelos N° 28	3	un.
96	Moldes para Bizcochuelos N° 32	3	un.
97	Moldes para Bizcochuelos N° 36	3	un.
98	Moldes pizzerías N° 36	12	un.
99	Olador grande	6	un.
100	Olador mediano	6	un.
101	Pava acero inoxidable 1.5 lt.	2	un.
102	Pila papeles	5	un.
103	Pinches silicona grandes reposteros	12	un.
104	Pinza fiambrera	3	un.
105	Pinza fideos	3	un.
106	Pinza ensalada	3	un.
107	Pinza sacafuentes	3	un.
108	Saca corcho	3	un.
109	Tablas para cortar (plástico- varios colores) buena calidad Tamaño mediano	12	un.
110	Tablas pizar	12	un.
111	Tanque acero inoxidable	6	un.
112	Tienda	6	un.
113	Copa agua	6	un.
114	Copa champagne	6	un.
115	Copa margarita	6	un.
116	Copa vino	6	un.
117	Jarros vidrio de litro	4	un.
118	Pero blanco porcelana fondo cuadrado	12	un.

Inventario			
Item	Equipo o máquina de uso General	Cant.	Unid.
01	Amasadora 20kg	1	un.
02	Balanza electrónica 30kg c/batería	1	un.
03	Anillo Eléctrico de 4 Hornallas de mesa	1	un.
04	Panqueadero / Copera estilo francés de sobre masado con Disco 21cm	1	un.
05	Jarrafia de gas propano de 45kg ubicada en sector de Depósito de Materiales de acuerdo a plano	2	un.
06	Batidora manual	6	un.
07	Batidora Tipo Kitchenaid Industrial 5 Litros Mixer	1	un.
08	Campana De A. Inox reforzada a resolver salida de ventilación y conducto que permita retraer la expansión del aire later sin dificultad.	2	un.
09	Cocina Industrial 4 Hornallas, bñera y horno	1	un.
10	Freezer Vertical 523 Lts Puerta Ciega Inox. Interior Inox	1	un.
11	Freezers 9 Lts Eléctrica Automática	1	un.
12	Heladera Vertical 1 Puerta 300L	1	un.
13	Horno Convector Eléctrico digital 4 Bandejas Acero Inoxidable	1	un.
14	Liquidadora Profesional 1 Vaso Con Granizador Y Exprimidor	1	un.
15	Liquidadora de alta rotación	1	un.
16	Maquina De Pastas Ravioli Sobadora Fideers De 300mm	1	un.
17	Mesa De Trabajo mural Con Bache profunda y grifería tipo ducha de A° Inox. con zócalo y estante bajo reforzada desarmable	1	un.
18	Mesa De Trabajo De A° Inox. con zócalo y estante bajo reforzada desarmable	2	un.
19	Mesa De Trabajo De A° Inox. Tipo isla sin zócalo	3	un.
20	Alacena reforzada De A. Inox	2	un.
21	Microondas	1	un.
22	Mixapimer	2	un.
23	Mixer Philips	2	un.
24	Multiprocesadora	2	un.
25	Picadora de carne + embudadora	1	un.
26	Isoplate recargable	3	un.
27	Termoselladora	1	un.
28	Chaira	2	un.
29	Coladores 8	1	un.
30	Coladores 12	1	un.
31	Coladores 20	1	un.
32	Coladores 24	1	un.
33	Colapastas	3	un.
34	Exprimidor	2	un.
35	Fuentes (ovales/ redondas/ etc.)	1	un.
36	Fuente ovalada 21 cm	2	un.
37	Fuente ovalada 27 cm	2	un.
38	Fuente ovalada 28 cm	2	un.
39	Ensaladeras 18 cm	2	un.
40	Ensaladeras 24 cm	2	un.
41	Ensaladeras 32 cm	2	un.
42	Hervidores	1	un.
43	Olta a presión	1	un.
44	Salador	2	un.
45	Sartenes de chapa 18	3	un.
46	Sartenes de chapa 24	3	un.
47	Sartenes de chapa 34	3	un.
48	Wok mediano	2	un.
49	Alm. litro	3	un.
50	Bandeja 40x30 bajas enlozadas	6	un.
51	Bandeja 40x30 altas enlozadas	6	un.
52	Batidores chicos globo	6	un.
53	Bouillottes (18, 20, 22, 24)	24	un.
54	Bowl's acero inoxidable chico	6	un.
55	Bowl's acero inoxidable grande	4	un.

Development of the official INET BIM Manual from scratch.
Roles and work teams, implementation stages, and best practices for software usage.



El equipo de proyecto continuará agregando detalle al modelo y ejecutando sus instalaciones. Al finalizar deberá crear una nueva entrega que contenga todos los planos modificados más aquellos que se hallen generado a posteriori. Nuevamente se centrará la entrega y publicará

Una vez concluido el modelado primario del proyecto (*ya habiendo realizado las modificaciones y actualizado*)

Generar la primera Entrega (con los planos planeados en el MEP para dicha instancia)

Cargar la Entrega y publicar los planos en PDF para el armado de expediente

Albano nueva entrega (con los planos especifico alda en el MEP para dicha instancia)

Continuar el modelado de instalaciones y detalles constructivos

De ser necesario realizar modificaciones al proyecto y hacer Cambios con los elementos modificados visualizados (previamente que aporcionado en la póliza de Revisión de los planos)

Cargar la Entrega y publicar los planos en PDF (aportando la subdirección a la revisión con los planos modificados y la entrega de los planos, que se cargará)

Entrega final (sin Normas (PDF, I/A) y (A/A))

para ser enviada a Infraestructura de INET.

9.3.1. Entregas

Dentro de Archivo se pueden generar Entregas que contengan todos los planos presentados, la primera de ellas será para el armado del expediente. Con lo cual hasta dicho momento al

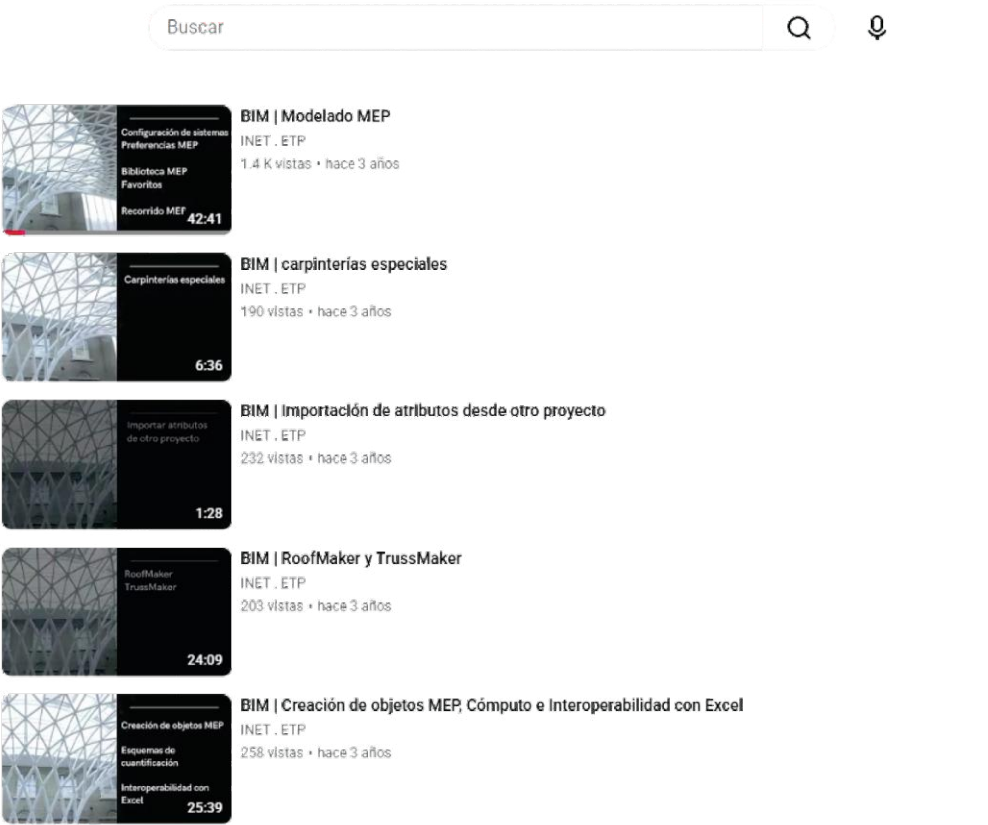
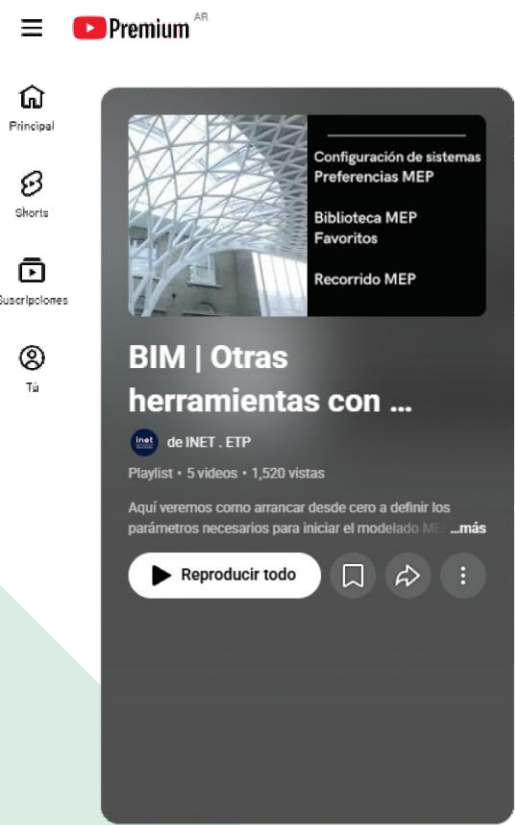
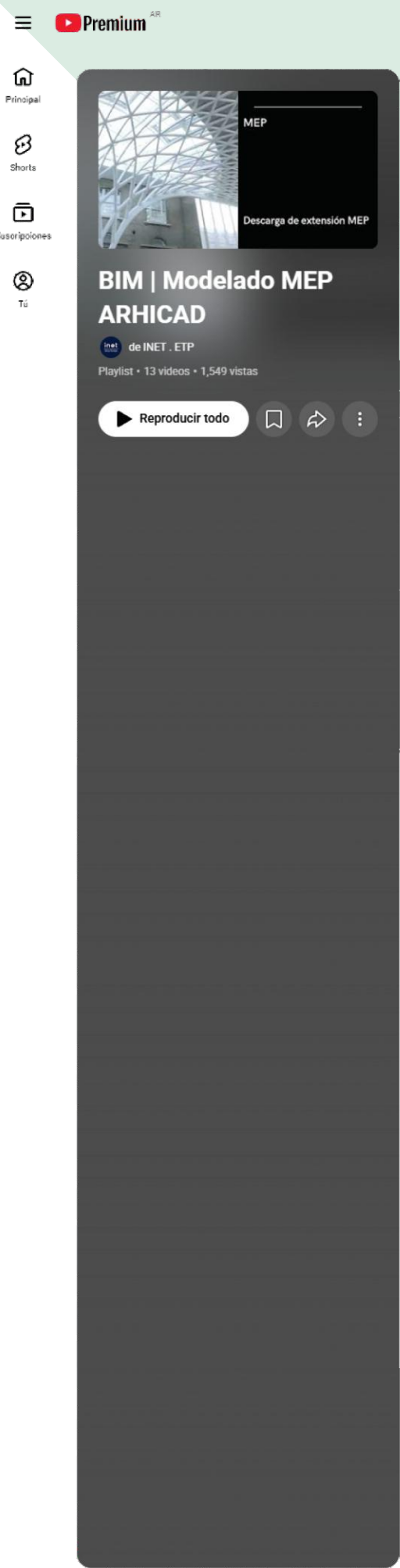
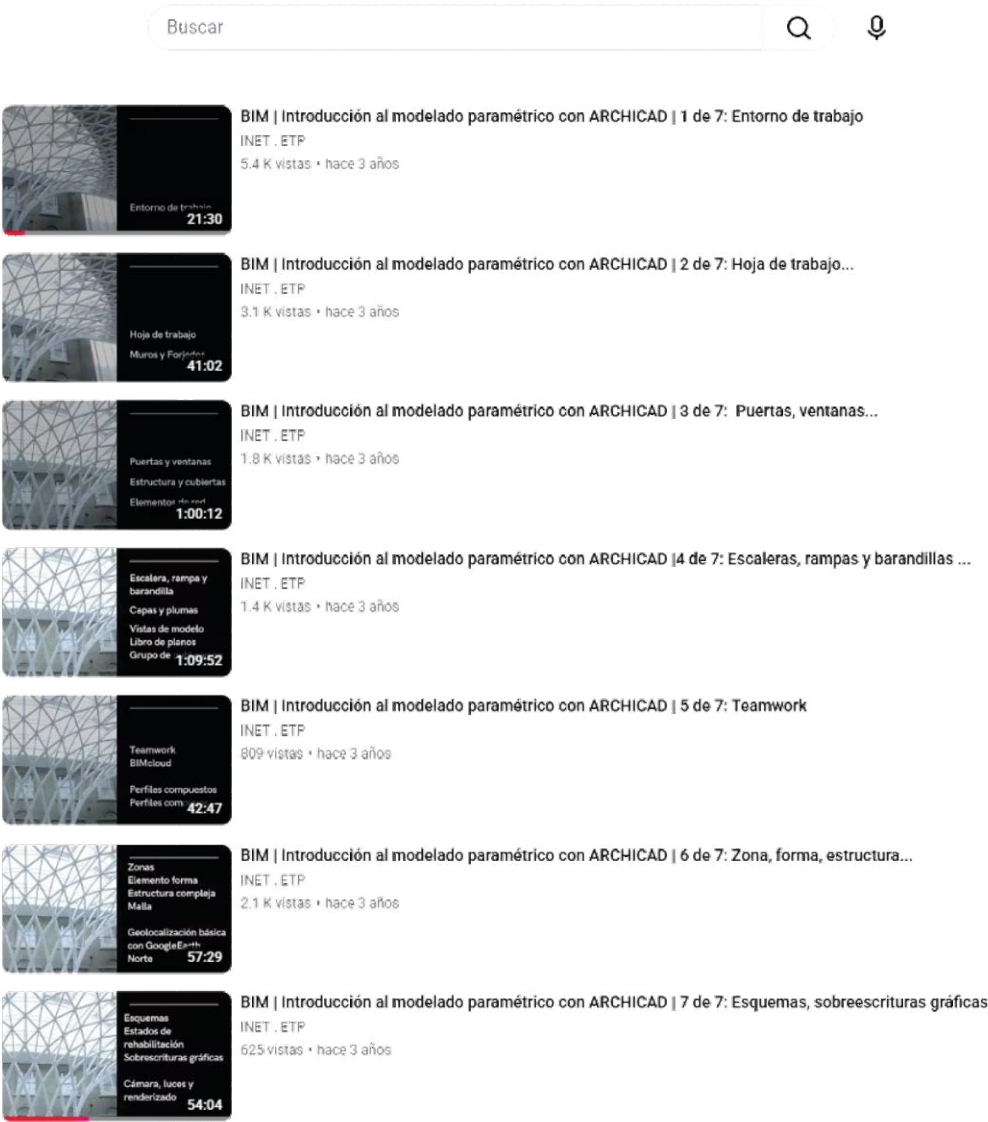
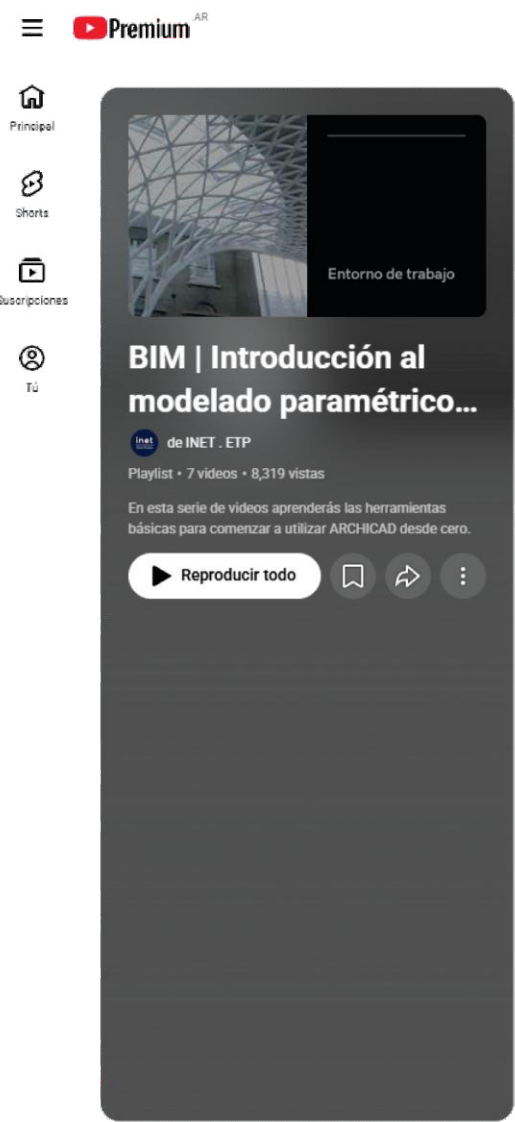
Logo de la Presidencia de la Nación, inet, y la Universidad Nacional de Educación Tecnológica.

BIM training program.

Development of an educational program for the implementation of parametric modeling.

Teaching classes, recording, and editing.

25 recorded lessons.



Thank you.