Simón Herrera Arévalo

PORTFOLIO

2026

Architect
Master in Sustainable Architecture and Energy

Pontificia Universidad Católica de Chile

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BIO

Simon Herrera Arevalo (Santiago, 1996) is an architect and Master in Sustainable Architecture and Energy from the Pontificia Universidad Católica de Chile. He also pursued post-graduate studies at the Roma Tre University, Italy and in Aalto University, Finland. His work has been published in the third volume of the "Obra" series by Editorial Arcada.

In 2017, he collaborated on the YAP constructo pavilion of Ephemeral Research. Between 2017 and 2020, he worked on projects with architect Danilo Potocnjak. In June 2021, he started working as an architect at Tallwood, leading architecture firm specialized in timber construction, offering consulting services in these areas as well. The most famous project is Tamango, the future tallest wooden building in Latin America.

Between 2020 and 2022, he was a teaching assistant for the course "El Mueble" taught by Professor Juan Baixas, and is also the editor of the upcoming course compilation book. Between 2021 and 2022, he was a teaching assistant for the "Studio 8" (fourth year) course at the Pontificia Universidad Católica de Chile taught by Juan Baixas and Arturo Lyon. In 2022, he was teaching in the construction section of the Studio I-II (third year) at Universidad San Sebastian, led by Andres Sierra.

From August 2023 to June 2024, he participated in the Wood Program at Aalto University, where he contributed to the design and construction of Kide, a stage in Kuhmo.

CV
2026

EDUCATION

2023-2024 **AALTO UNIVERSITY (Finland)**
Wood Program, Specialist degree.
Project: Kide (Stage for the city of Kuhmo)

2019-2020 **PONTIFICIA UNIVERSIDAD CATÓLICA DE CHILE (P.U.C)**
Master in Sustainable Architecture and Energy
Thesis: The unfinished city of CORMU: Rethinking the life cycle of the Mapocho-Bulnes housing complex

2015-2020 **PONTIFICIA UNIVERSIDAD CATÓLICA DE CHILE (P.U.C)**
Professional degree in architecture
Graduation project: Remodeling and expansion of the modern social housing complex Mapocho Bulnes

2017 **UNIVERSITÁ ROMA TRE (Italy)**
Academic exchange in master´s degree programm of heritage and restoration

PROFESIONAL EXPERIENCE

2025 PXT - PICHLER & TRAUPMANN
Architect Part of the competition team

2021 - 2023 TALLWOOD ARCHITECTS
Architect part of the team responsible for the design, evaluation and development of tall wooden buildings.
Office that specializes in medium and high-rise constructions in wood. The most emblematic project is Tamango, the tallest wooden building (CLT and LVL) in Latin America (12 floors).

2023 ARQ EDICIONES
General editor of the book “Furniture: the construction of the gesture” by Juan Ignacio Baixas

2022 ALTAMIRANO ARMANET ARCHITECTS
Drawing assistant for building permits for two wooden houses (Glulam) in the chilean coast (Punta Pite)

2022 LOS NICHES HOUSE
140sqm wooden house for a four people family in the mountains area of Curicó, central-southern Chile

2020 TURNER ARCHITECTS
Professional practice.
Architecture office focused on Small to Large Scale Residential Architecture

2019 TECHO NGO
Professional practice working on searching and managing new spaces in the city for social housing projects

2017 PAVILION AFTER THE DOME: YAP CONSTRUCTO
Architect part of the team responsible for the assembly and construction of the pavilion.
Winning pavilion of the YAP Constructo competition which explored the application of tensegrity structures.

2018-2020 DANILO POTOCNJAK ARCHITECT
Architect part of the team responsible for the design of housing and remodeling projects.
The most emblematic project is a 400 sqm built wooden house in Galvarino, southern Chile

ACADEMIC WORK EXPERIENCE

2022-2023 STUDIO THIRD YEAR SAN SEBASTIÁN UNIVERSITY
Professor of the construction section of the specialized wood studio.
In the course together with Andrés Sierra we introduce students to the ways of building in wood, all the qualities and possibilities, through
reference studies and construction of 1:1 scale models

2020-2021 CLASS THE FURNITURE: THE CONSTRUCTION OF THE GESTURE
PONTIFICIA UNIVERSIDAD CATOLICA DE CHILE
Profesor assistant of Juan Baixas and Tomás de Iruarrizaga.
Furniture course that seeks to be able to build at the end of the
semester a chair designed by oneself with the tools and theory given in
theoretical-practical classes

2020-2021 STUDIO FOURTH YEAR PONTIFICIA UNIVERSIDAD CATOLICA DE CHILE
Assistant of Juan Baixas and Arturo Lyon studio.
The course specializes in medium and large scale public projects

PUBLICATIONS AND EXHIBITIONS

2025 ARCHDAILY:"KIDE" OUTDOOR STAGE / AALTO UNIVERSITY WOOD PROGRAM
Architect part of the team of Kide project.
https://www.archdaily.com/1030175/kide-outdoor-stage-aalto-university-wood-program

2025 BIENNAL BUENOS AIRES: SABIA MADERA / AALTO UNIVERSITY
Part of the Kide project / Best Exhibition prize
https://labienalarg.com.ar/programas-2024/ccborges/

2025 YAP CONSTRUCTO 07: NOMADIC DOME, A TENSEGRITY PAVILION, CHILE – JAPAN
Interview about my career and experience in the Yap Constructo
https://kougei-publications.stores.jp/

2023 ARCHDAILY: TAMANGO: 12° FLOORS WOODEN PROJECT
Architect part of the team of Tamango project.
https://www.archdaily.cl/cl/992987/el-primer-edificio-de-madera-de-america-latina-se-construye-en-la-patagonia-chilena

2023 ARQ EDICIONES - FURNITURE: THE CONSTURCTION OF THE GESTURE
Silla Nudo selected for the compilation book of the best designs made in the Juan Baixas furniture course.
The chair is made of sawn wood, plywood and 3d printed plastic joints
https://cults3d.com/es/modelo-3d/herramientas/smherrera

2019 SWEDEN ARKDES EXHIBITION : FLYING PANELS – HOW
CONCRETE PANELS CHANGED THE WORLD
Research led by Pedro Alonso and Hugo Palmarola regarding the evolution of prefabricated concrete panels in the world.
In charge of the research of the prefabricated panel system at Tsinghua
University, China.
https://www.archdaily.cl/cl/926750/flying-panels-como-los-paneles-de-concreto-cambiaron-el-mundo

2017 EDITORIAL ARCADA - SERIE OBRAS: PABELLÓN REGADERA
Architect creator of temporary pavilion at the Catholic University of Chile
https://issuu.com/editorial_arcada/docs/pabell___n_jovial_de_controversia_pa

2017 ARCHDAILY: AFTER THE DOME, YAP CONSTRUCTO WINNING PROJECT
Architect part of the team responsible for the assembly and construction of the pavilion.
https://www.archdaily.cl/cl/871603/despues-del-domo-claudio-torres-salazar-plus-yuji-harada-plus-clarita-reutter-susaeta-plus-emile-straub

KIDE
2024

Wood Program, Aalto university
Kuhmo, Finland

Rol: Architect, Project Manager, and Builder

Kide is a design and construction project addressing the need for an outdoor event space in Kuhmo, Finland known for hosting several music festivals each year. Kide ('ice crystal' in Finnish) references themes related to nature in its form and materiality, through the use of fractal geometry and local timber for its construction.

With its distinct design, the structure will be used by performers as well as local residents in their day-to-day market activities.

Kide is the Wood Program's 30th anniversary project. Each year, students of the program both design and build a project out of timber. In this project, the added challenge it was an 8-hour drive between our workshop and the site, meaning prefabrication, transportation and assembly need extra careful consideration.

Architizer A+ Awards: Finnalist / Popular Choice Winner

Design Educates Awards: Silver Prize in Architectural Design + Emerging Designer

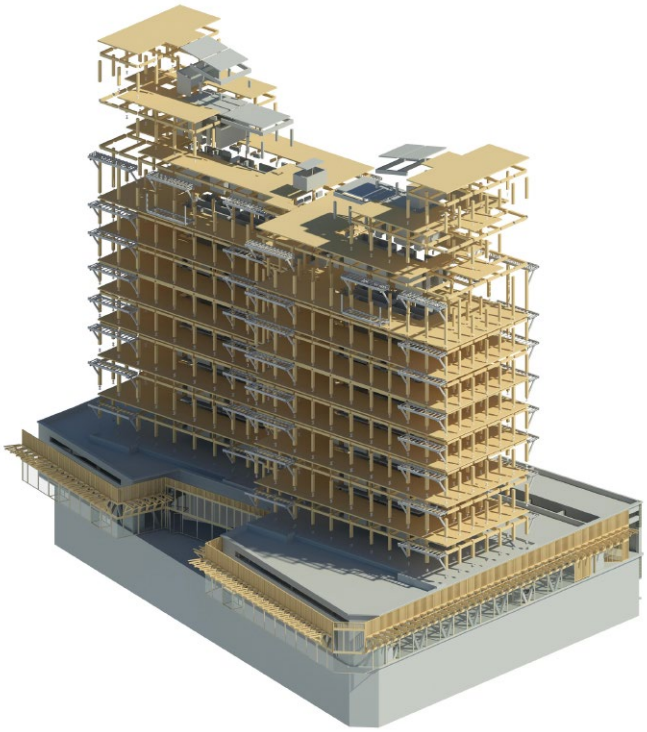
TAMANGO
2020

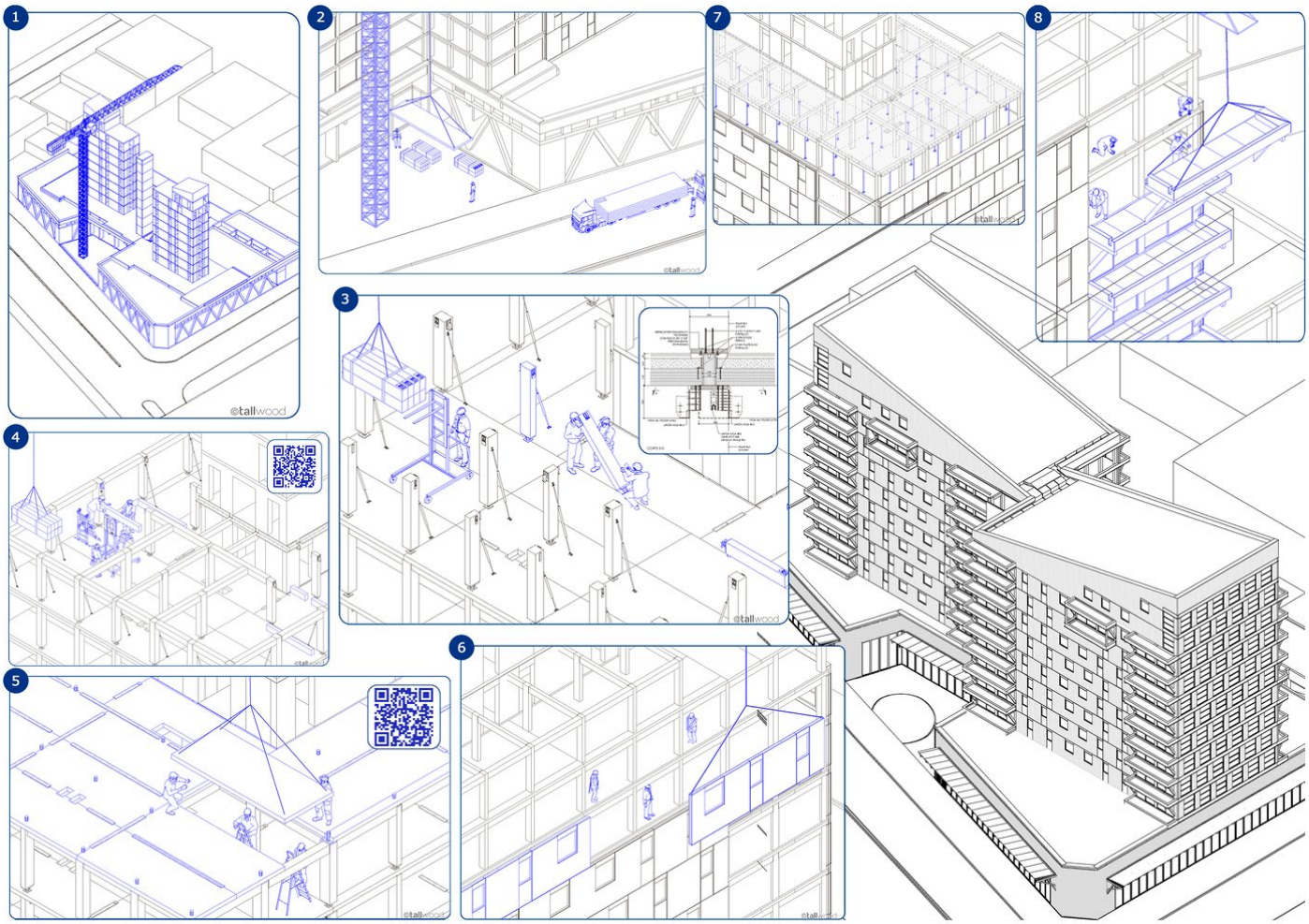
Office: Tallwood
Coyhaique, Chile

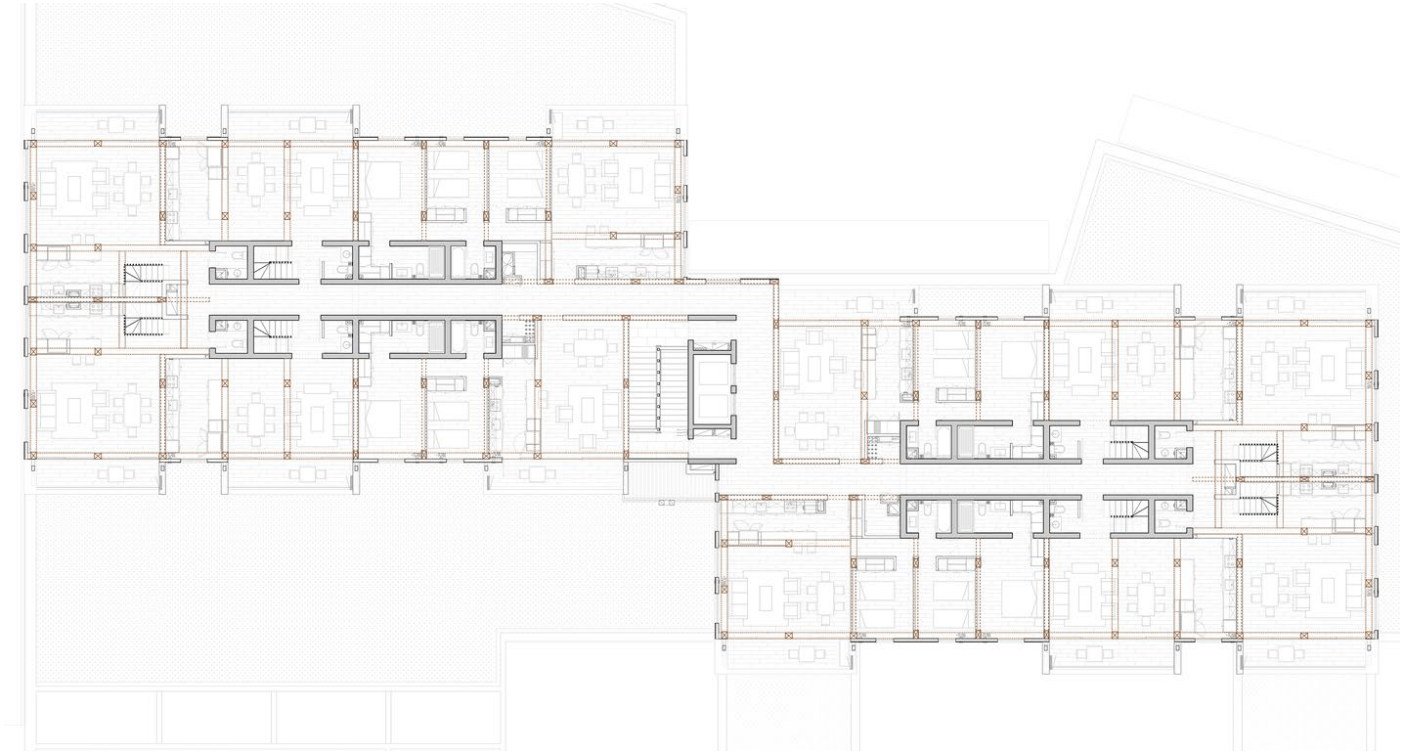
Rol: Architectural Assistant – Plans, Renders, Permitting & Specialties Coordination

The future tallest wooden building in Latin America, Tamango, has a total area of 19,700 m2. It consists of a two-level podium for offices, a ten-story tower for 68 apartments, and three underground levels for 220 parking spaces.

I was part of the architectural team at the Tallwood office, where i worked on design, modeling, drafting, obtaining municipal permits, analyzing, and developing the assembly of the project



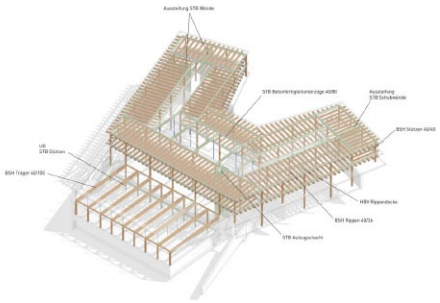


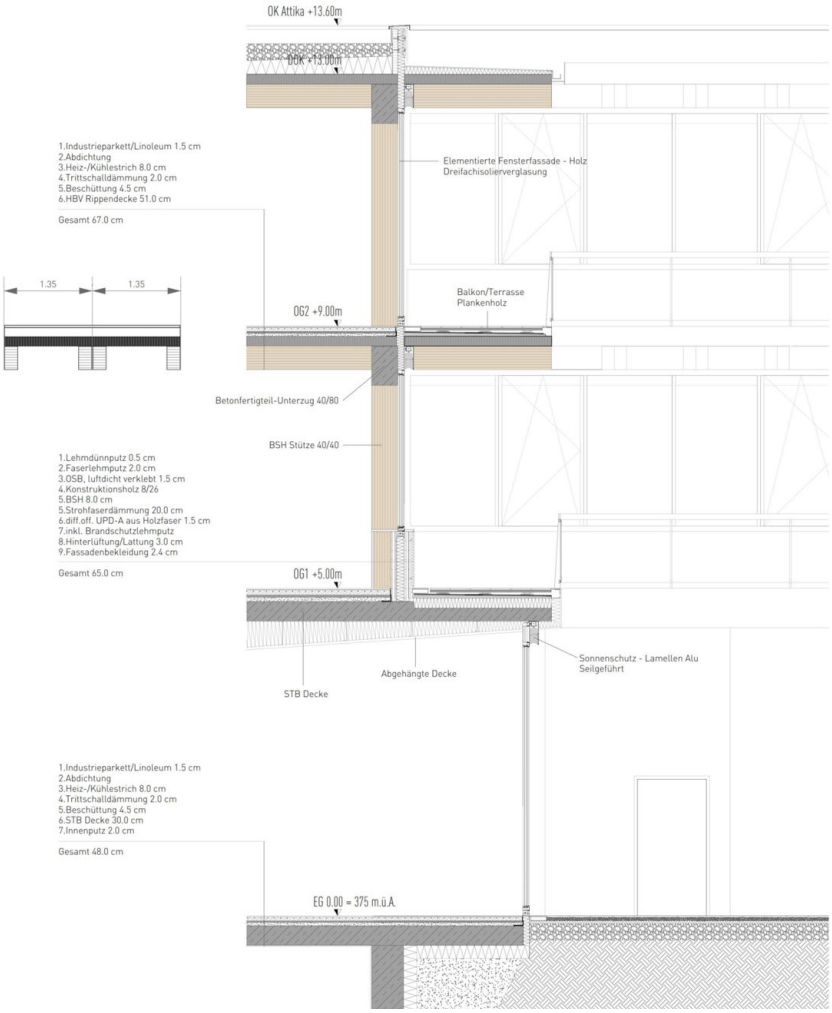


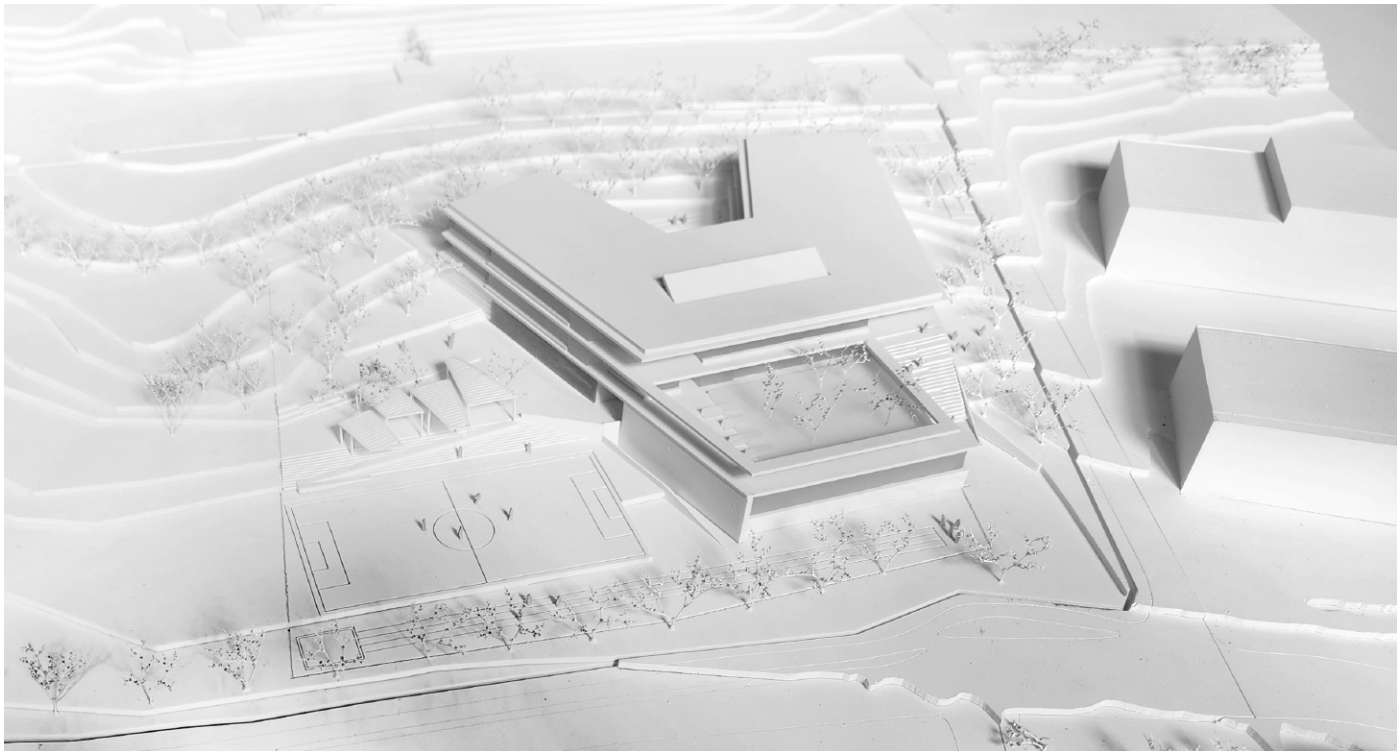
COMPETITION NEUBAU DER VOLKSSCHULE HART BEI GRAZ
2025
Office: PxT
Graz, Austria

First Honorable Mention (4th Place)
Rol: Architect

The proposal for the new Hart Primary School near Graz is designed to integrate harmoniously with the surrounding landscape while creating a clear and functional campus. The building defines protected outdoor areas for play, sports, and recreation, strengthening the connection between learning and nature. Its layout promotes intuitive circulation, flexible classrooms, and shared spaces that support contemporary educational methods. Community-oriented facilities can operate independently, encouraging use beyond school hours. Emphasizing sustainability, the project relies on timber construction, prefabrication, and durable materials to reduce environmental impact while providing a bright, adaptable, and future-focused learning environment.







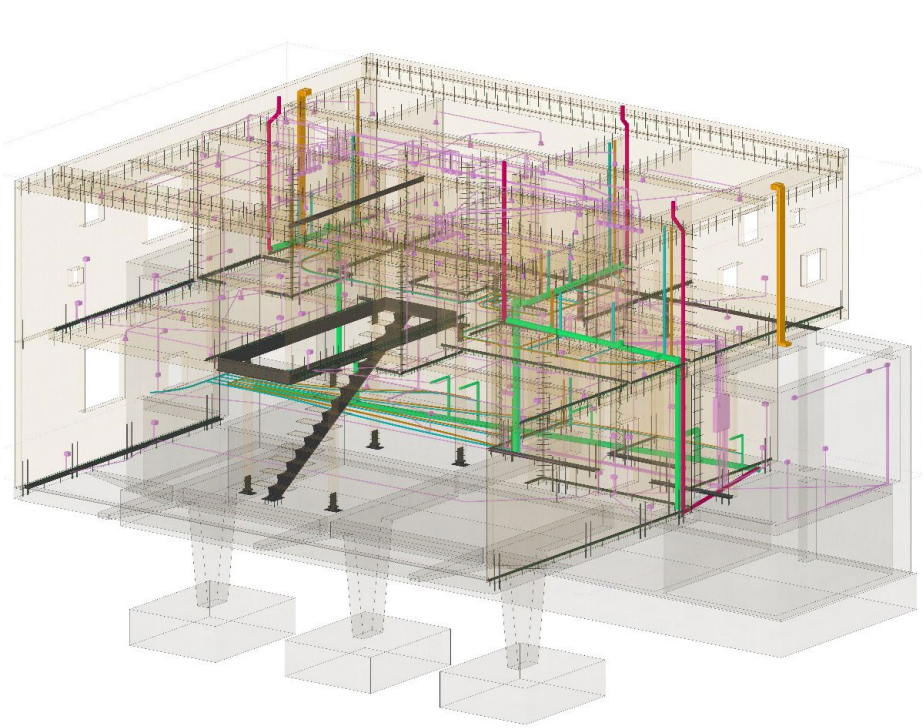
SAMAY HOUSE
2023

Oficina: Tallwood
Chile

Rol: Architect – Modeling, Production Drawings & Specialties Integration

The Samay House project is a residence located in Matanzas, Chile. The housing complex is made with exposed CLT, which presents a challenge when coordinating the electrical and plumbing systems, as all of them need to run through the interior of the walls or floor

I was the architect who modeled the project, coordinated the specialties, and assisted in the design and production of the CLT elements.



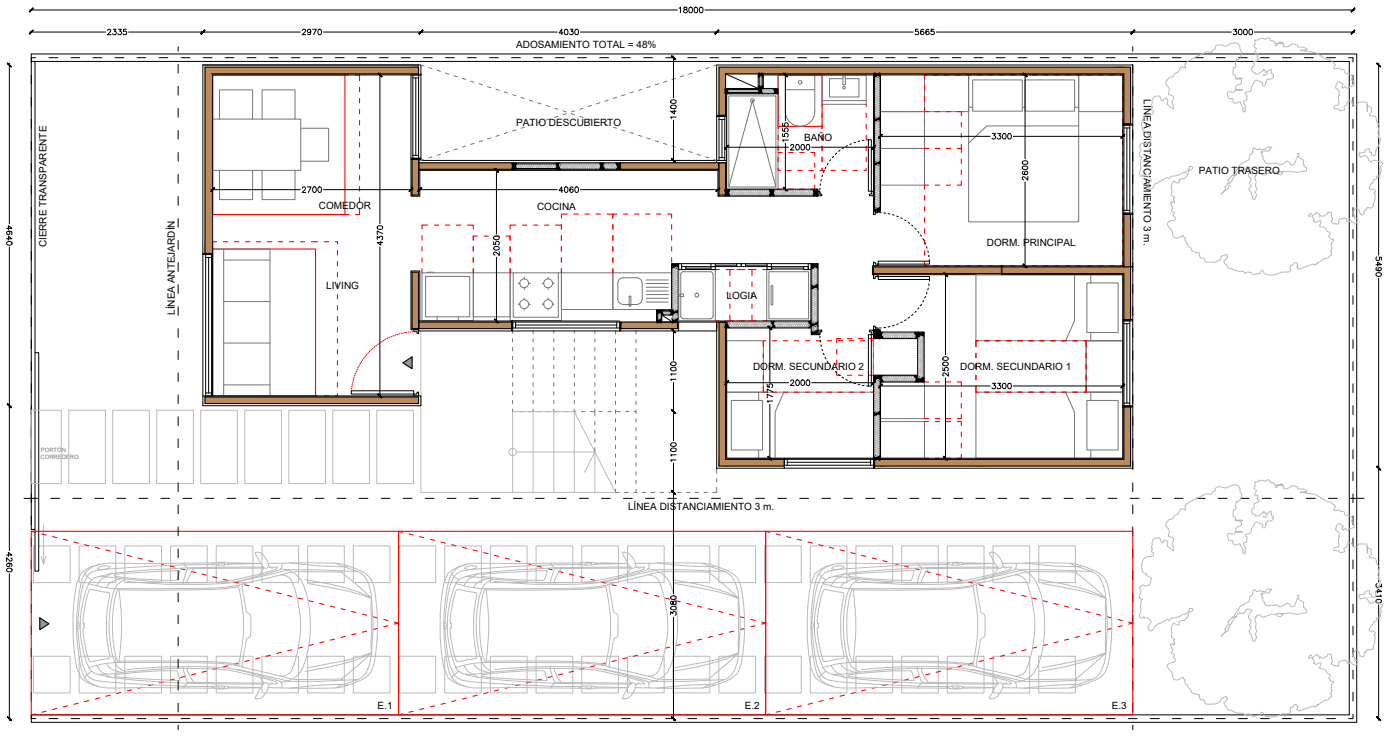
INDUSTRIALIZED HOUSING CHALLENGE
2023

Oficina: Tallwood
Chile

Rol: Architect - 3D modeling and design

The “5 Módulos” typology was developed to achieve the highest standards of habitability and efficiency in multiple aspects specific to the DS49 social housing in small condominiums, located on the so-called “9x18” lots. It addresses the problem of construction times on economically competitive sites that are already occupied, ensuring maximum industrialization to guarantee the quality of the product, which is also sustainable using 100% renewable materials (timber)

I was involved throughout the entire project development, working on design, modeling, and rendering.”



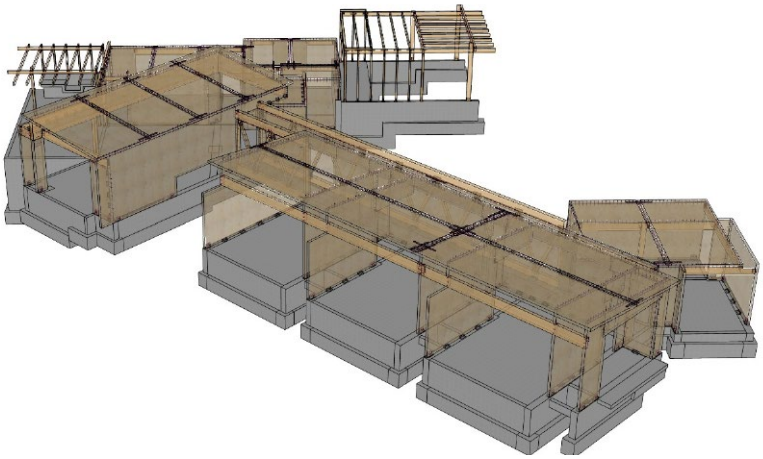
MIRADOR PUNTA PITE HOUSE
2023

Office: Tallwood
Papudo,Chile

Rol: Architect – 3D Modeling & Rendering

The Punta Pite Private House project is a residence located in Punta Pite, Chile. The house is constructed with glulam and cross-laminated timber (CLT), showcasing the versatility of these building materials. The house features large windows that provide views of the Pacific Ocean.

I was a member of the project design team and responsible for creating the renderings.



LA PARVA BUILDING
2022

Office: Tallwood
La Parva, Chile

Rol: Architect – 3D Modeling & Rendering

A project to evaluate the benefits of switching from concrete to wood for a residential building in the Andes mountains, which is difficult to access for trucks and construction equipment. The goal was to explore the advantages of using glulam and CLT in a challenging location where traditional concrete construction may be difficult and time- consuming. The resulting designs showcased the potential for wood to provide a sustainable and efficient alternative to traditional building materials.
I participated in the typology analysis and the creation of renderings for the project.

ALONSO DE MONROY BUILDING
2022

Office: Tallwood
Santiago, Chile

Rol: Architect – 3D Modeling & Rendering

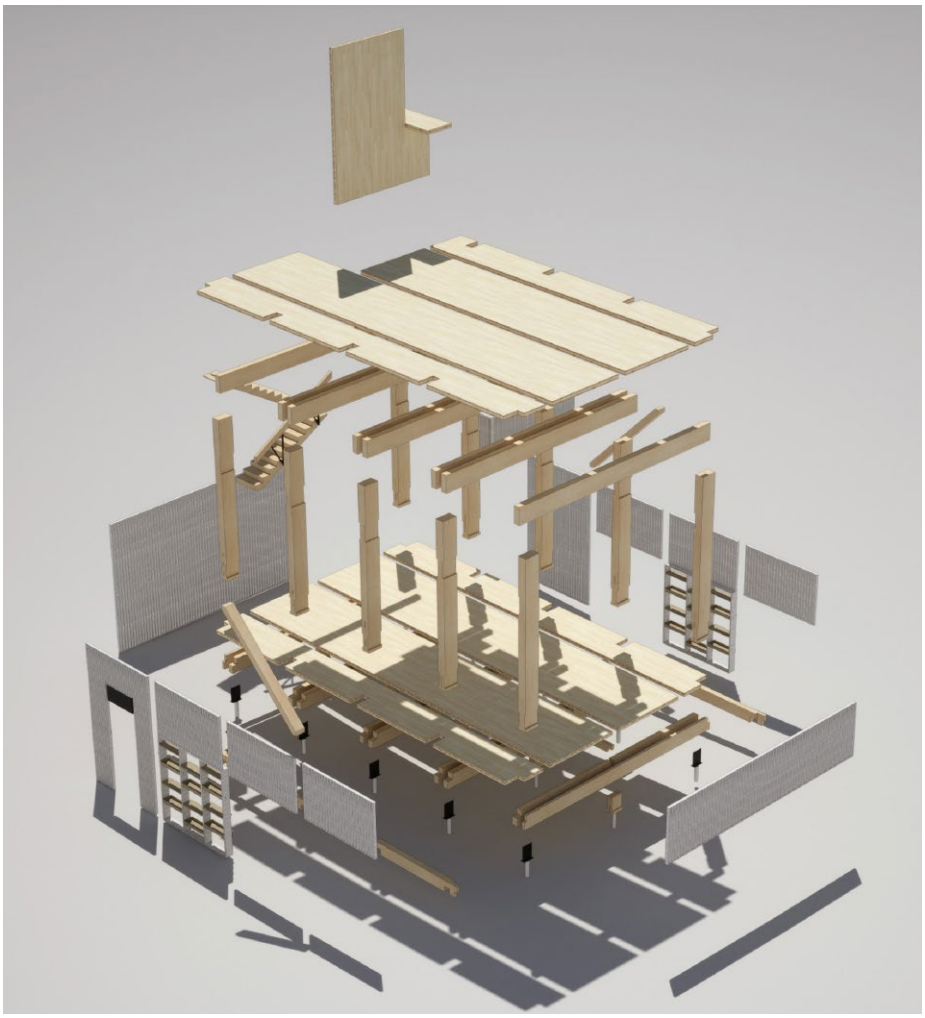
The Alonso de Monroy project involved changing a building originally designed in concrete to one made of Timber (CLT and Glulam). The challenge was to maintain the typical free plan of a concrete office building, for which laminated columns and beams were used with a CLT slab and a concrete topping slab. Due to their big size, the beams were designed in an arch shape to make them visually appealing and a key part of the building's aesthetics.
I was responsible for the modeling of the building and the images, as well as being part of the design team at the office.

ARAUCO STAND
2022

Office: Tallwood
EDIFICA fair, Chile

Rol: Architect – Design, Production Drawings & Construction Management

ARAUCO commissioned us to create glulam and CLT stand for the bigest construction fair in Latin America, which would showcase the structural and aesthetic qualities of CLT and promote its use and sale. We designed a two-story modular structure that was easy to assemble and disassemble, Subsequently it was developed due its succes as a complete package for potential homes, offices, retail spaces, etc.
I was in charge of the renders, participated in the design, and planned the assembly process by creating a detailed guide with all the necessary steps, joints, and details to make the assembly as efficient as possible.

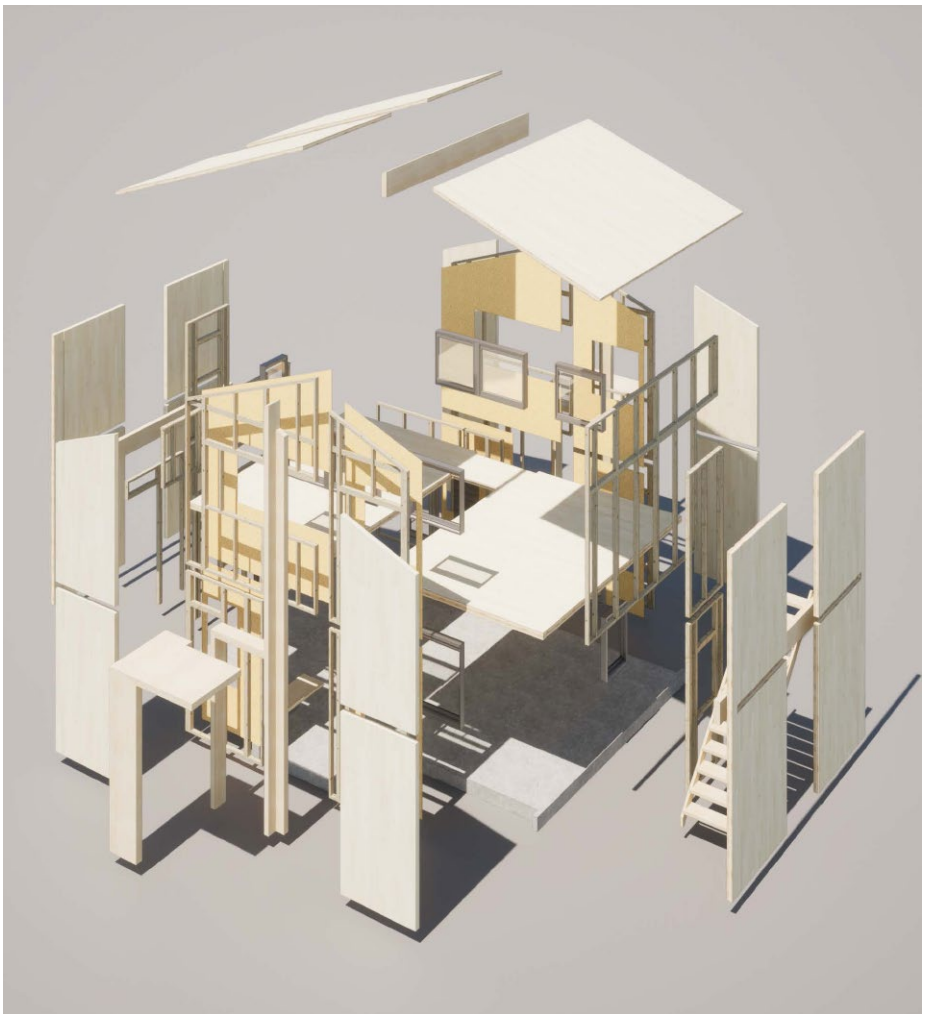


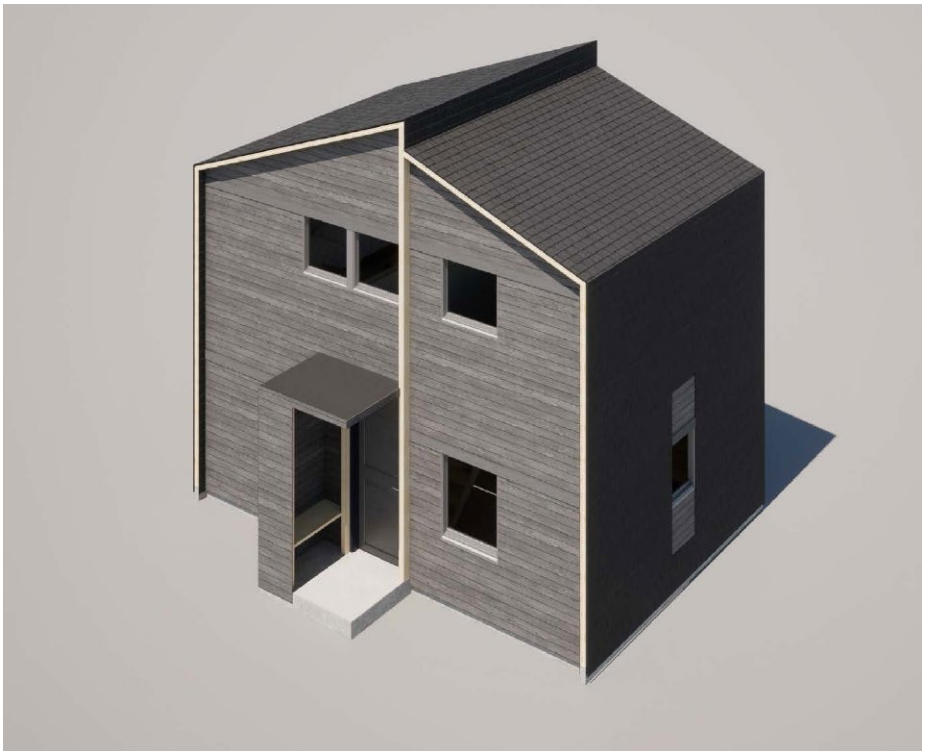
VIVIENDA EMERGENCIA
2023

Office: Tallwood
Southern Chile

Rol: Architect – Design, 3D Modeling & Rendering

After the disastrous fires that occurred in southern Chile this year, an emergency plan was created to provide housing for all those affected. Tallwood developed a housing project that not only provided temporary housing but also, with the help of social housing subsidies, generated permanent housing for those in need. The main feature of this project is the prefabrication and speed of assembly, allowing for the construction of houses for the affected individuals as soon as possible. For this reason, CLT and prefabricated wooden panels was chosen for walls, slabs, and roofs.
I was responsible for creating the images, and was also part of the design team at the office.





YAP CONSTRUCTO: AFTER THE DOME
2017

Claudio Torres Salazar + Yuji Harada + Clarita Reutter Susaeta + Emile Straub
Parque Araucano, Chile

Rol: Lead Role in Pavilion Construction crew

Winner of the Yap Constructo competition sponsored by MoMa, this tensile dome structure is configured by a suspended void of slender elements that float in the air. It has an elliptical-shaped plan inscribed in a rectangle. It is a dematerialized vault of 36 meters in length, 16 meters in width, and a total height of 6 meters. The center of the space is open and the supports are located perimetrically.
The removable and durable condition of the structure allows the extension of your initiative over time.

I was part of the construction and assembly team of the pavilion, we had to deal with the differences between the accuracy of the model and the irregularity of the terrain and context.

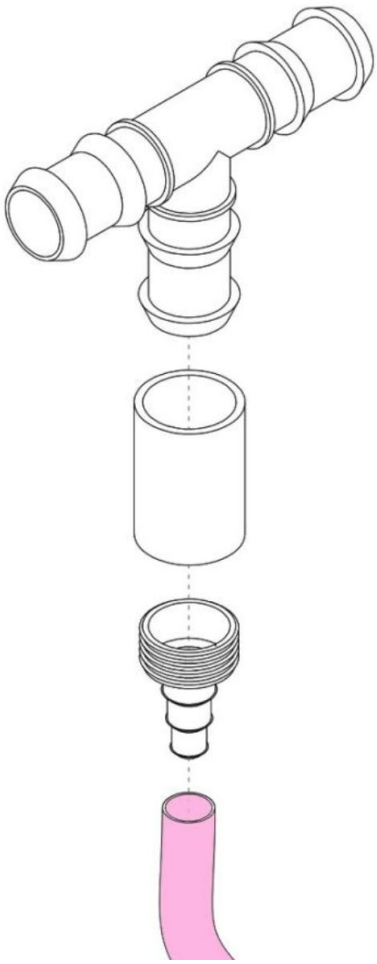
REGADERA PAVILION
2017

Simón Herrera, Martín Rojas

Santiago, Chile

Ephemeral intervention where water is understood as something solidly built that defines boundaries. The structure consists of a perforated PVC pipe, suspended by threads and connected to 4 hoses.

The project was published by Editorial Arcada (2019), an edition that was later exhibited at the Chilean Architecture Biennial in 2020.



THIRD YEAR STUDIO
2022

Universidad San Sebastián
Santiago, Chile

Rol : Professor with Andrés Sierra

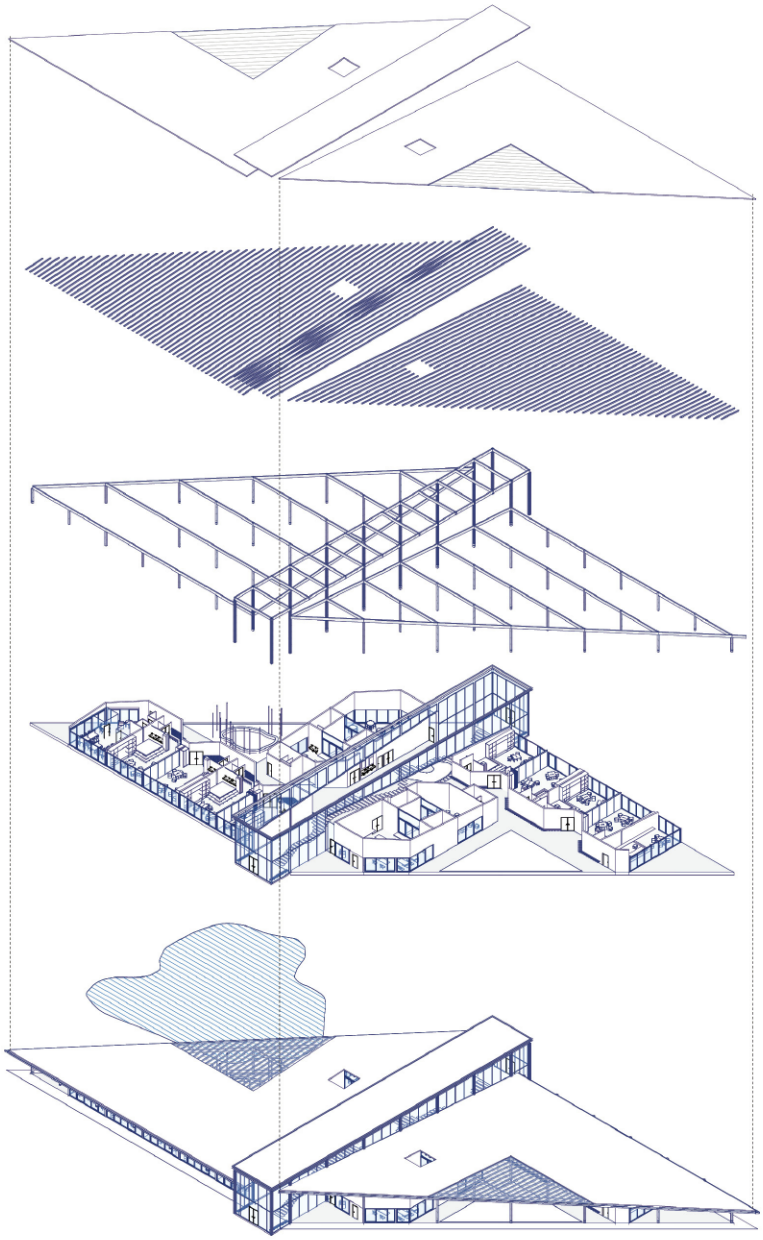
A third-year studio aimed at developing students' skills in designing timber structures. The course introduces students to the world of timber, analyzing international and national references and showcasing the various possibilities of timber materials. Students then apply this knowledge to their studio project, where they develop a full-scale timber joint

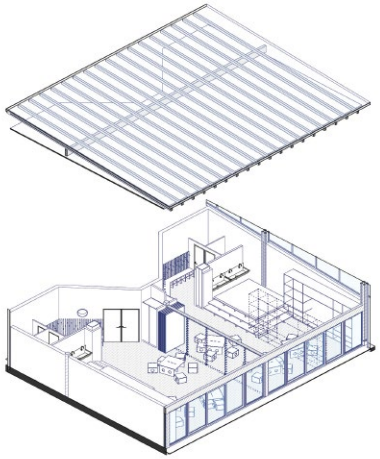
SCHOOL FEHN COMPETITION
2023

Simón Herrera, Jose Manuel Arteaga, Alberto Pérez
Puerto Varas, Chile

Rol: Architect – Competition Design Lead

Competition to make a Fehn methodology school in Puerto Varas. The project aimed to create a clear form through two big glulam roofs with flexible modular classrooms and courtyards that would enable proper class development. These roofs were connected through a large central courtyard where the main school activities such as gardening could take place.



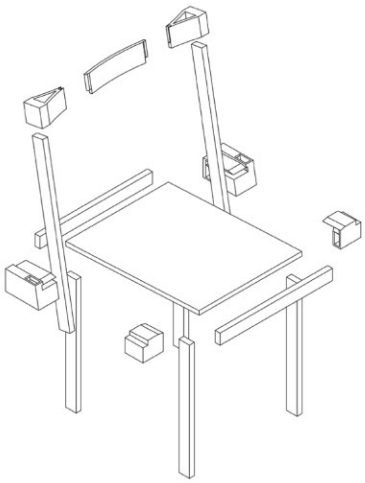


NUDO CHAIR
2020

Simón Herrera

Design based on the principles of Enzo Mari's Sedia N1 but updated with current technological advancements.

This chair features complex and sturdy 3D printed joints, allowing anyone with access to a 3D printer to fabricate their own chair. The models and plans for this chair is publicly available for anyone interested in making it.
The chair was selected for be in the book "El mueble: la construcción del gesto" by ARQ Ediciones.



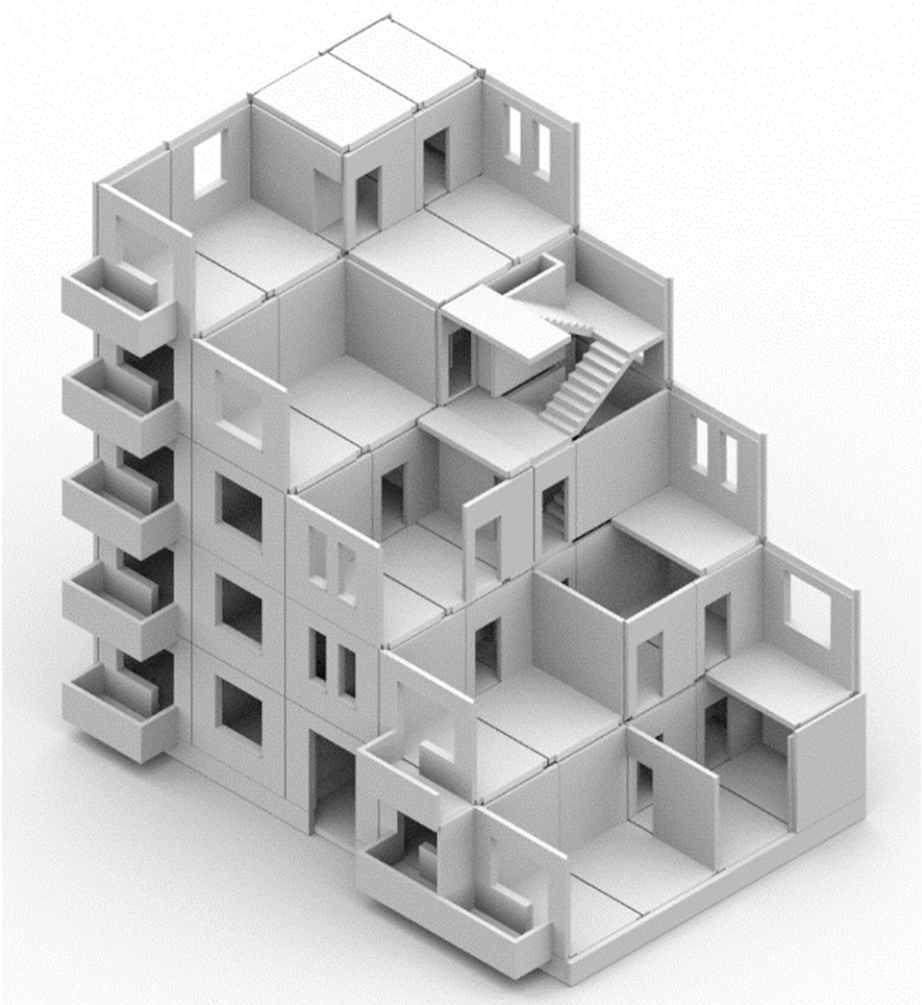
INVESTIGATION STUDIO
2018

Profesor: Pedro Alonso

Santiago, Chile

Research on the history and evolution of prefabricated panels at Tsinghua University in China.

This research and documentation of the system was used for the exhibition "Flying Panels: How Concrete Panels Changed the World" at the Museum of Architecture and Design in Stockholm, Sweden.

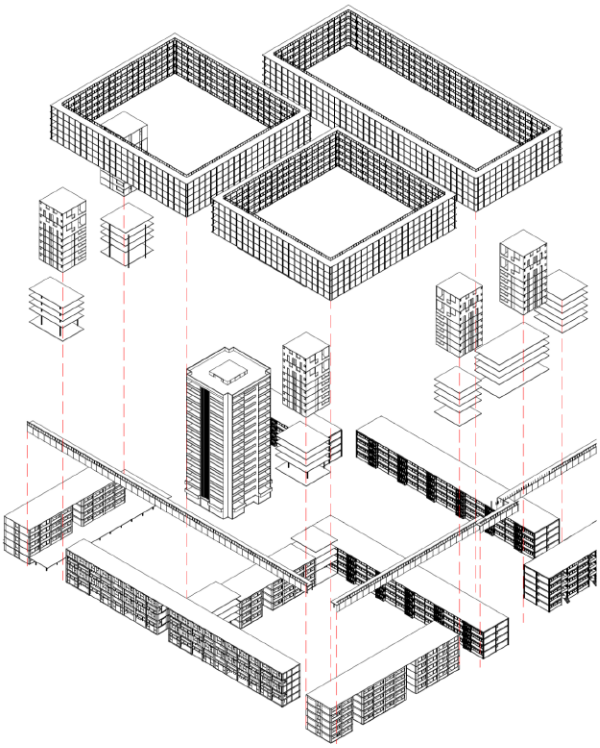


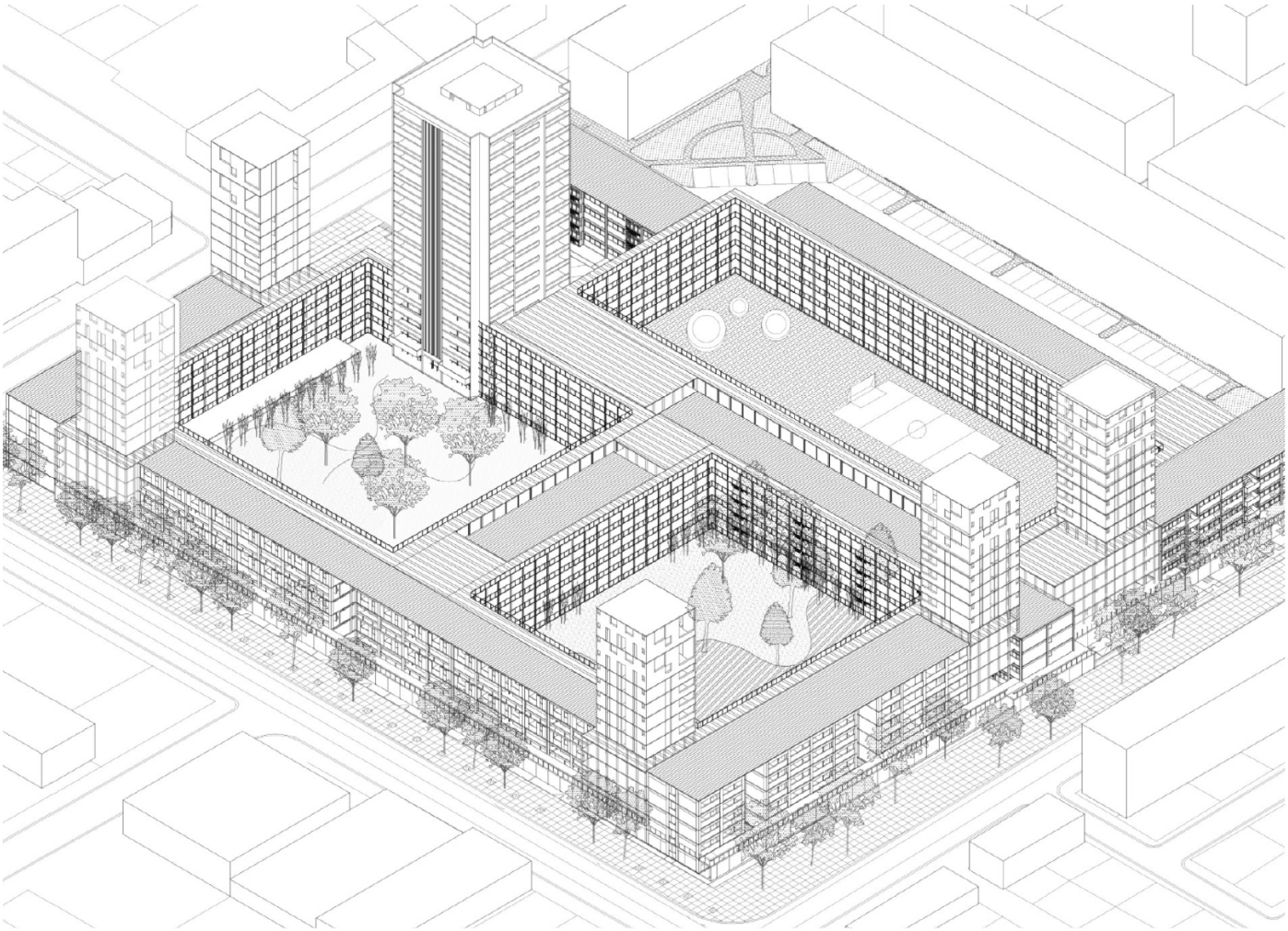
MASTER THESIS:
LA CIUDAD INCONCLUSA DE LA CORMU

2020

Simón Herrera
Santiago, Chile

The research aims to understand the common operations of the CORMU in its strategies and in the use of typologies and their application in the already consolidated city. Fifty years later, the project of the Corporation is analyzed and rethought, proposing new possibilities for densification by inserting new pieces of different scales, functions, and densities into an already built context.





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