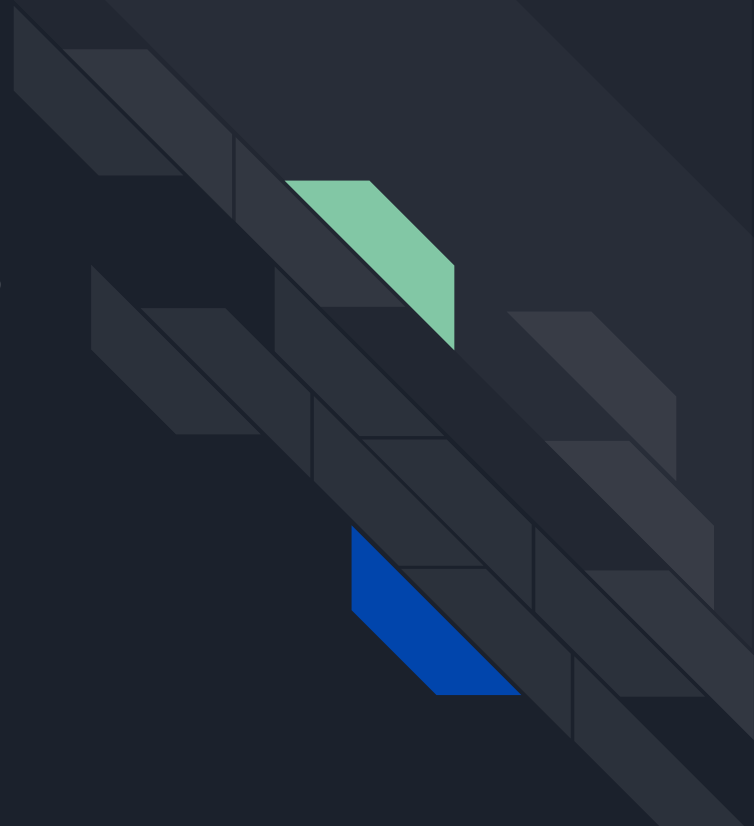


Design Portfolio

SANTIAGO FERNANDEZ BABAGLIO

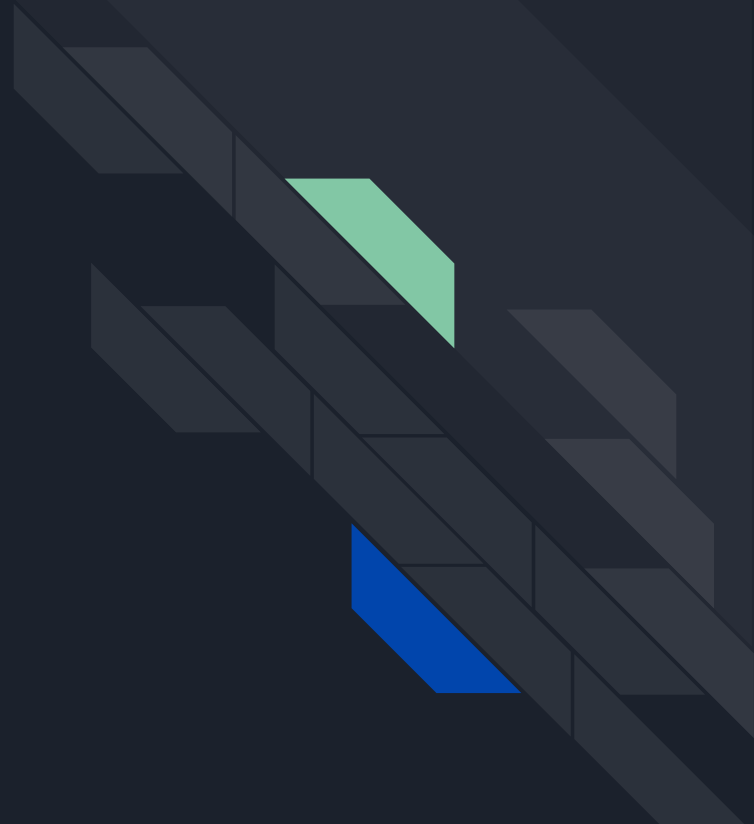


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NAVAL ARCHITECTURE [pg. 34-39]

CONTACT [pg. 40]





[2013-2014] CORUM YACHTS TAIWAN

PROJECT "C15"

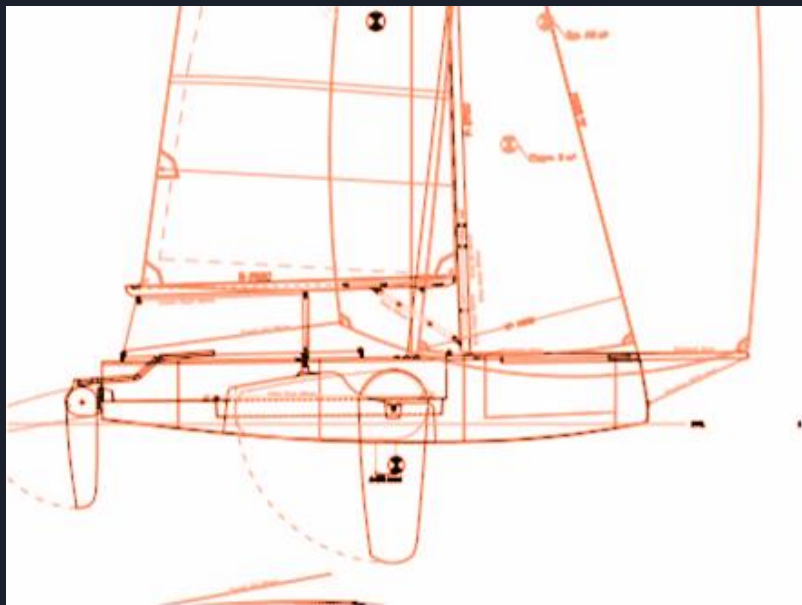
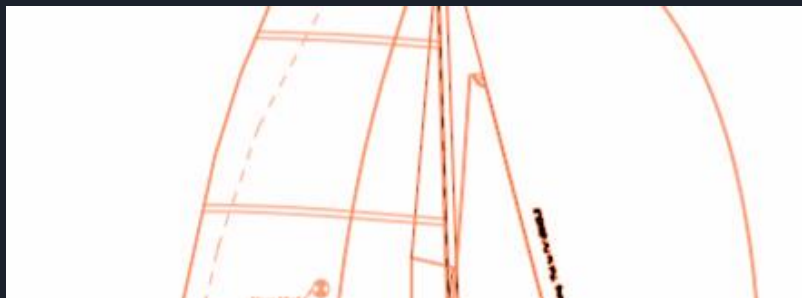
Design of a training vessel for the National Taiwan Ocean University, built by Cörum Yachts Taiwan.

A boat designed for student training, with strong form stability and easy handling.

6 boats were built and are currently sailing. In 2014 it was selected to take part in an exhibition (International Boat Show) in Taiwan.

Work performed:

- Lines design
- Weight and stability calculations in Hydromax
- Hullspeed analysis
- Sail plan and handling design and calculations (school and racing versions)
- Structural calculations per ISO
- Drawing production: model design, mold/plug, lamination schedule, construction and handling plans





C15 DINGHY

EXHIBITION TAIWAN
INTERNATIONAL BOAT SHOW
2014



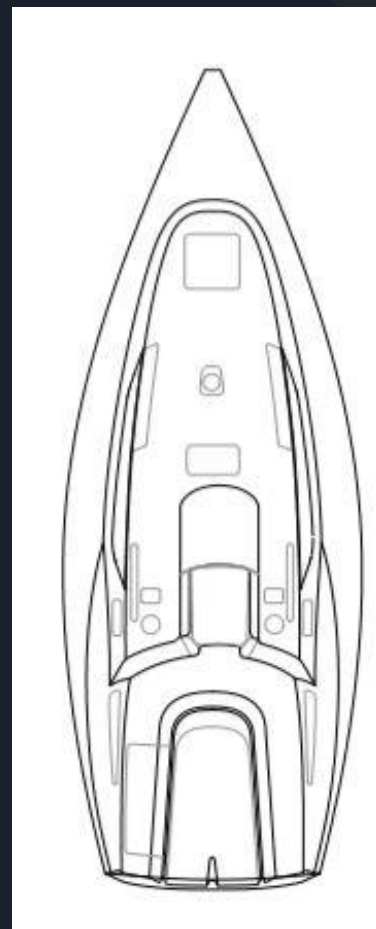
[2014] BRAMADOR SHIPYARD

BRAMADOR 26

-Preparation of sales drawing for the Bramador 26

Photographic reference was gathered at the shipyard, and using a CAD model already drawn by Eng. Gabriel Schröder along with the modifications made at the shipyard, a sail plan and interior layout drawing were produced for sales and web publication

B26





[2014] BRAMADOR SHIPYARD

PECAN 6

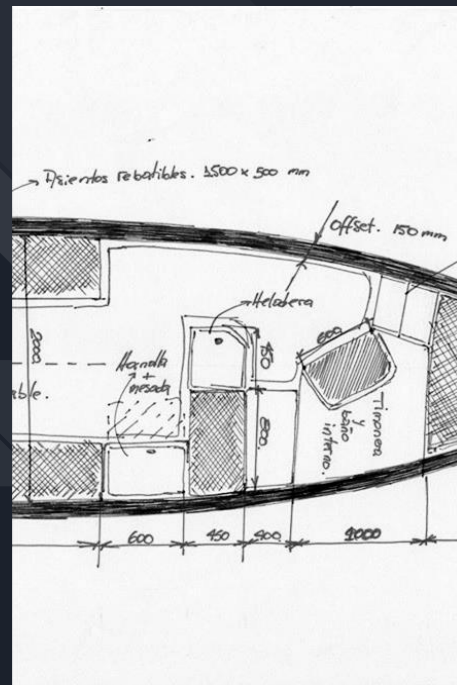
-Design of an electric-propulsion launch (design not built)

Teaming up with Solano Leyra (a university classmate), we designed the Pecan 6, a displacement “picnic boat.” Commissioned by Oscar Cherro, Astillero Bramador; and his partner Martín Anguiano, a real-estate businessman and owner of a major construction company.

The Pecan 6 was designed for sailing the streams near the Uruguay River and within a nautical residential community in Villa Paranacito, Entre Ríos

Work performed:

- Lines design
- Weight calculations
- General interior arrangement
- Adaptation for electric or combustion propulsion



PECAN 6



[2015-2016] PRYD

PRYD 11: *11-meter motor cruiser built in naval steel*

- General interior arrangement plan
- Stanchion design · Fuel and freshwater tank design

PRYD 26: *GP26 “Infinity Plus” racing sailboat*

- Longitudinal construction plan and panel, structure and cradle calculations per ISO and ABS
- Deck construction plan and panel/structure calculations per ISO and ABS
- Rudder plan and stock calculations per ISO
- Keel plan and calculations per ISO
- Construction plan for laminated chainplates and calculations per ISO

SAILOR 875: *“Lady Silvana” sailboat*

- Machinery survey, shaft and strut calculations for submission to the Argentine Naval Prefecture (PNA)
- Engine room plan
- Shaft line detail plan
- Strut plan





[2015-2017] CORUM YACHTS TAIWAN

SAIL DRIVE:

Design of a sail-drive leg for sailboats, for use with Yanmar engines

- 3D design of the part
- Model preparation for 3D printing
- Design of female molds for CNC manufacturing

RIBB 550:

*Design of a 5.50 m “sport-fisherman” + swim platform, built in fiberglass (GRP).
Designed for the domestic and export markets.*

- Styling design and 3D development
- Standard and full-option version design
- Speed prediction and propulsion calculations.
- Structural calculations per ISO standards
- Optimization of construction methods.
- Mold/tooling design.

[2015-2017] CORUM YACHTS TAIWAN

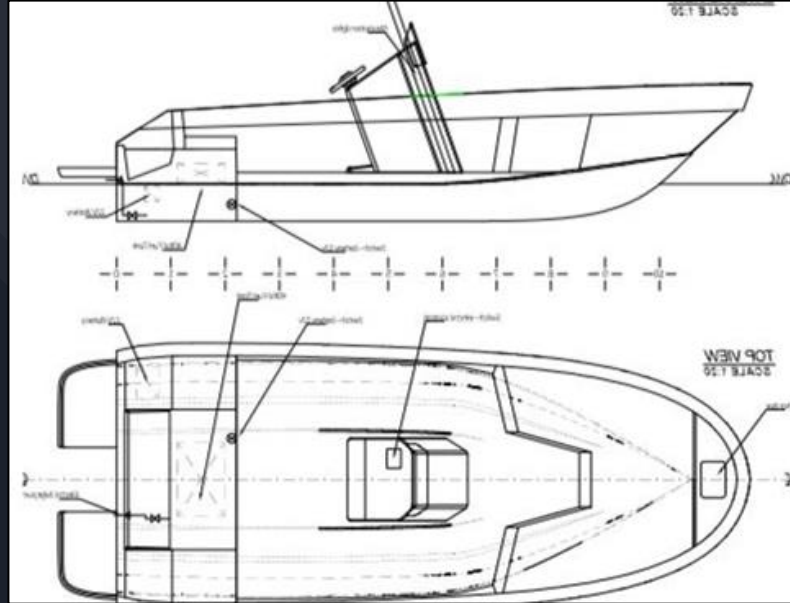
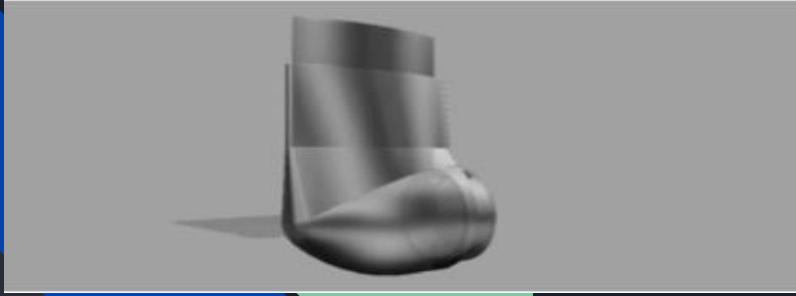
TOURISM CATAMARAN

- Structural calculations per ISO standards for topsides
- Propulsion calculations
- Stability analysis at small and large angles
- Resistance analysis

ROWING CAT

Catamaran for a rowing race jury, designed to avoid making waves and achieve very low fuel consumption.

- Lines design
- Stability calculations
- Resistance analysis
- Construction calculations



RIBB 550

TAIWAN





[2018-2020] KLAASE A YACHTS

In 2018 I was hired by KlaseA in Argentina to join the Technical Office as a designer, through 2020.

K42:

- Drawings for prototype certification with sterndrive (inboard/outboard) leg. HardTop, Open and Soft-top versions. -Soft-top roof design
- Complete calculations for submission to the Argentine Naval Prefecture

K62:

- Flybridge design
- Drawings for prototype certification, shaft-line version and IPS prototype



[2018-2020] KLASA A YACHTS

K43 FLYBRIDGE

Restyling of the Aqualum 43 cruiser

- Exterior design: windows, bow sundeck, general flybridge and cockpit arrangement, swim platform and hardware.
- Complete interior design (space optimization and detail engineering for furniture and fiberglass part construction).
- Scantling calculations and construction drawings for the different fit-out stages. - Electrical and plumbing installation design
- Speed prediction and static stability
- Weight balance
- Construction follow-up from the mold/plug process through hull No. 6, as carpentry and fit-out team lead

[CLICK HERE TO WATCH VIDEO](#)

K43



K43





[2018-2020] KLASA A YACHTS

K50 HARD TOP

New (2019) 50' Hard Top model, designed with the European trend in mind and optimized for series production.

- Hull design
- Complete exterior and interior design
- Construction drawings for the model
- Space optimization and full 3D development
- 3D renders with continuous feedback from the client and shipyard.
- Scantling and lamination calculations
- Static stability calculations

[CLICK HERE TO WATCH VIDEO](#)



K50





K50

[2021-2023] FREELANCER - APYD

Work carried out in collaboration with the design studio “APYD” (Agustín Paladini Yacht Design), in Valencia

VISMARA V80

- Deck and interior design (saloon and service area)
- 3D modeling

[CLICK HERE](#)

FRANCESCO STRUGLIA

Collaboration for Azimut Yachts

- 3D exterior modeling of the Azimut 26M



V-80



AZIMUT 26M



[2021-PRESENT] FREELANCER

Work carried out for the Billoch & Zerbo Yacht Design studio "BZ"

BZ ORC 40.'

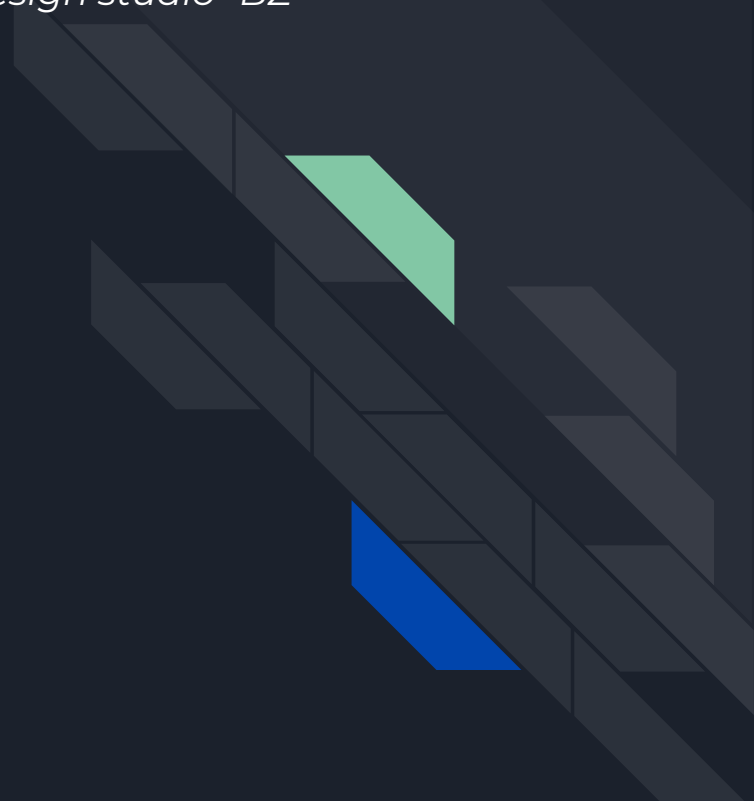
- 3D modeling

BZ MAGIC 27'

- 3D modeling
- Construction drawings
- Sail plan and handling drawing
- Renders

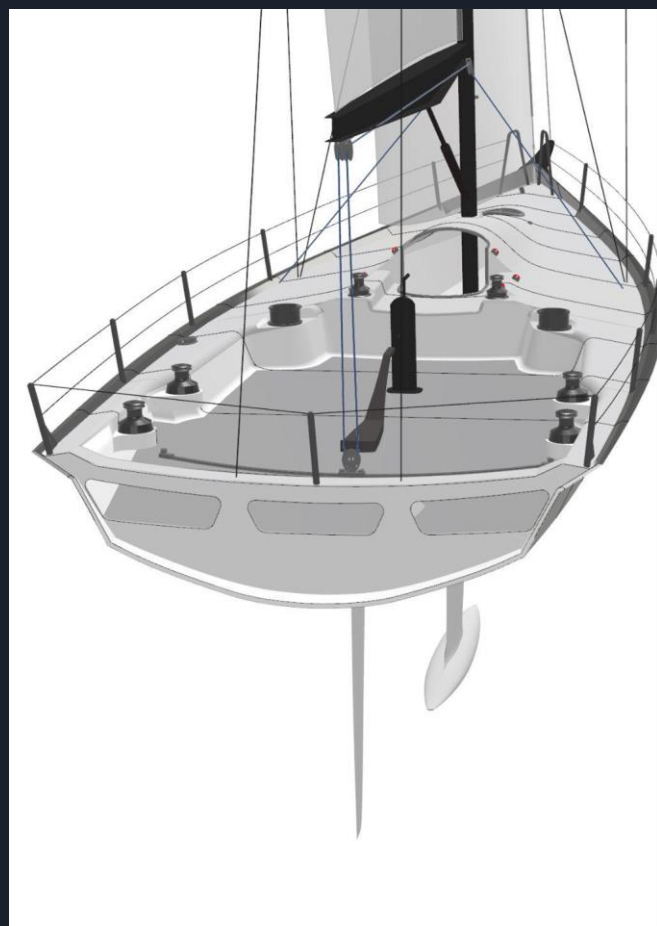
BZ ORC 29 '

- 3D modeling
- Sail plan and handling drawing
- Renders





BZ





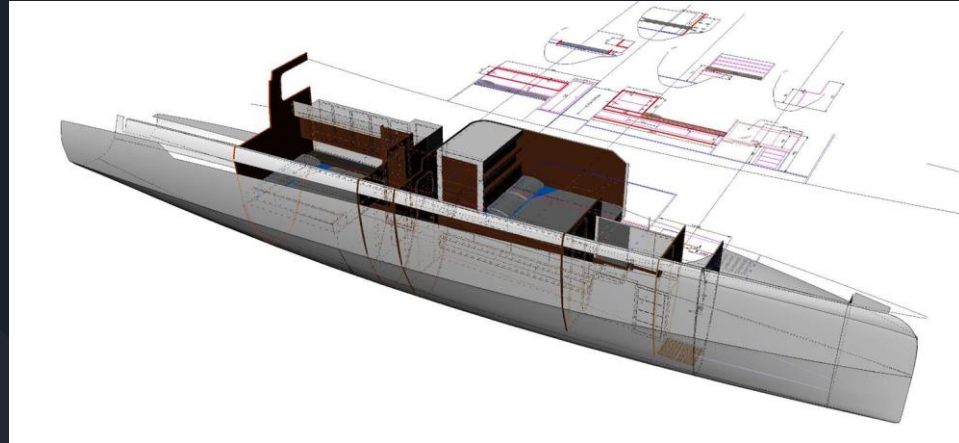
[2021-PRESENT] FREELANCER

Work carried out for Sistemas Marinos - Paraná

SM 40.' *Engineering and construction management of a 40-foot motor catamaran.*

- 3D modeling
- Interior design
- Systems design
- Drawing development for tooling/molds
- Construction supervision
- Basic renders in KeyShot

SM 40





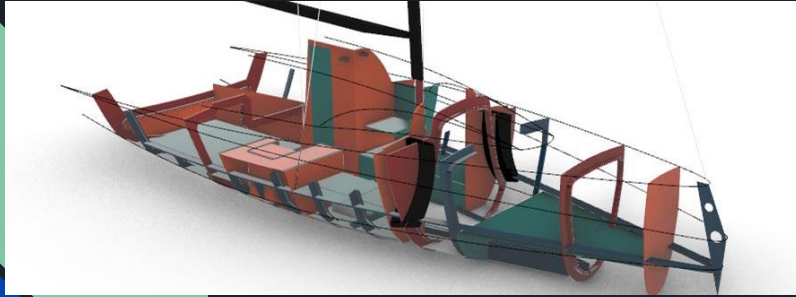
[2021-PRESENT] FREELANCER

In progress: a 31-foot sailboat for the formula ORC Club

ORC 31 - SFB

- 3D modeling
- VPP calculations
- Stability analysis
- Structural design
- Rigging calculations
- Keel and rudder analysis
- Concept design to reduce the rating under that formula

31'





[2021-PRESENT] FREELANCER

In progress: a 31-foot sailboat for the ORC Club formula

Frers Naval Architecture & Yachts Design

- 3D design and renders for a 42-foot catamaran project. Project carried out under the supervision of Zelmira Frers. Full interior and deck.





[2021-PRESENT] FREELANCER - ARCHITECTURE

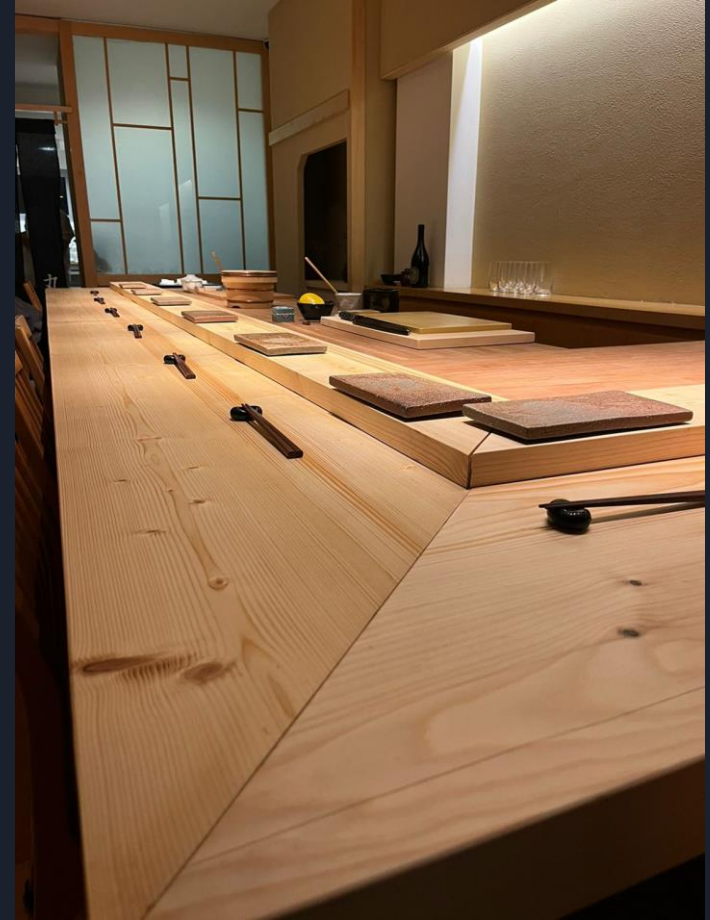
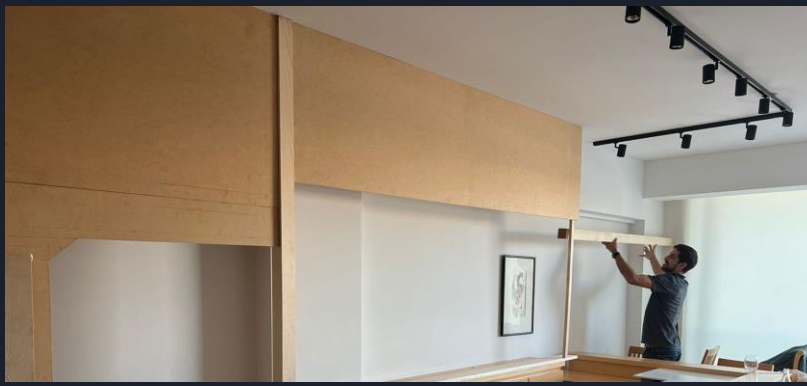
CIVIL

Architecture and interior design

MARU OMAKASE - YEAR 2024

Design and construction supervision for the Japanese restaurant “Maru Omakase”
Steel-frame development integrating wood and local materials with traditional Japanese architecture.

- 3D MODELING
- CUTTING FILES
- MATERIAL SELECTION
- CONSTRUCTION SUPERVISION
- BASIC RENDERS WITH KEYSHOT





[2021-PRESENT] FREELANCER - ARCHITECTURE

CIVIL

Architecture and interior design

"MB" HOUSE - YEAR 2024

Rhinoceros 3D design of a two-story steel-frame house; delivery of preliminary design and basic renders.

- 3D MODELING
- MATERIAL SELECTION
- BASIC RENDERS WITH KEYSHOT





[2021-PRESENT] FREELANCER - ARCHITECTURE

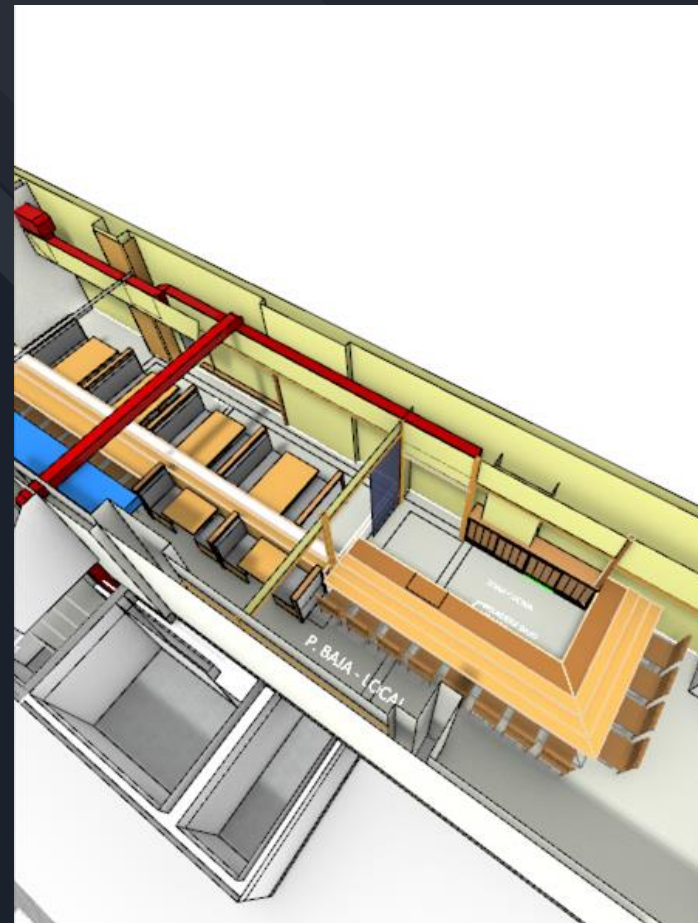
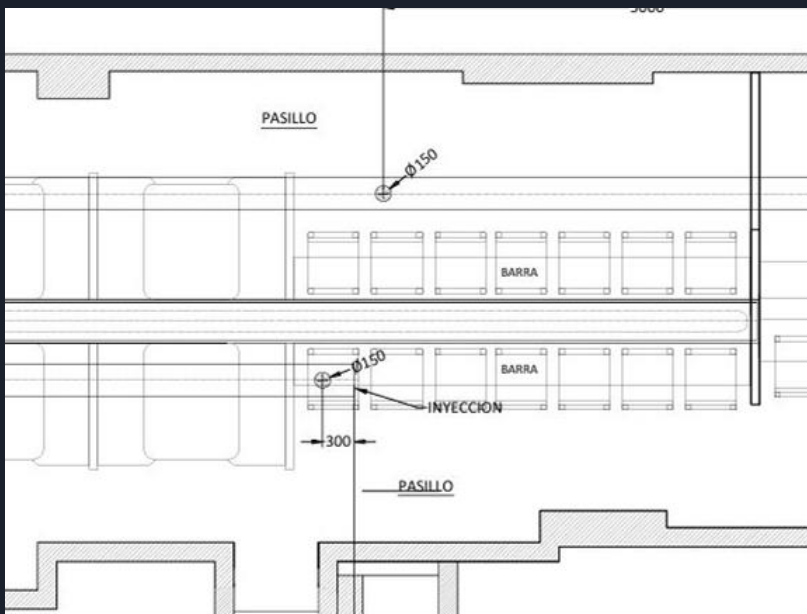
CIVIL

Architecture and interior design

RESTAURANT 4520 - [Opening in December 2024]

Rhinoceros 3D design and engineering for a restaurant

- 3D MODELING
- MATERIAL SELECTION
- BASIC SKETCH IN RHINO
- VENTILATION AND EXTRACTION DUCT CALCULATIONS
- ELECTRICAL SCHEMATIC DESIGN
- DESIGN AND ENGINEERING OF FOOD CONVEYOR BELT





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