ONDA

A curve. A view. A place for everything.



ARCHITECTURE, CLOSE UP

Less floor. More thought.

A compact field guide to the current design: two plans, lived-in spaces, fitted storage and the junctions that deserve a closer look.

02 LEVELS / PLANS

04 INTERIOR VIEWS

05 DETAIL STUDIES

CONCEPT DESIGN / OCTOBER 2026

01 / THE DESIGN IN BRIEF

The shape is only the beginning.



Design visualization. The setting is illustrative, not a selected or surveyed plot.

1,000

APPROX. MODELED SQ FT

721 main + 279 loft

Exterior decks excluded. Modeled floor area is not a certification of habitable area or usable standing space.

The architecture

The curved glass edge opens Onda toward the landscape. Living and cooking stay together below; a sleeping loft occupies the high roof volume. A side stair follows the diagonal facade instead of sitting in the middle of the room.

The useful questions are now specific: can a guest bed unfold without blocking the route? Can clothes, linen and cleaning tools disappear into fitted storage? Can the upper glazing feel private after dark?

Read by interest

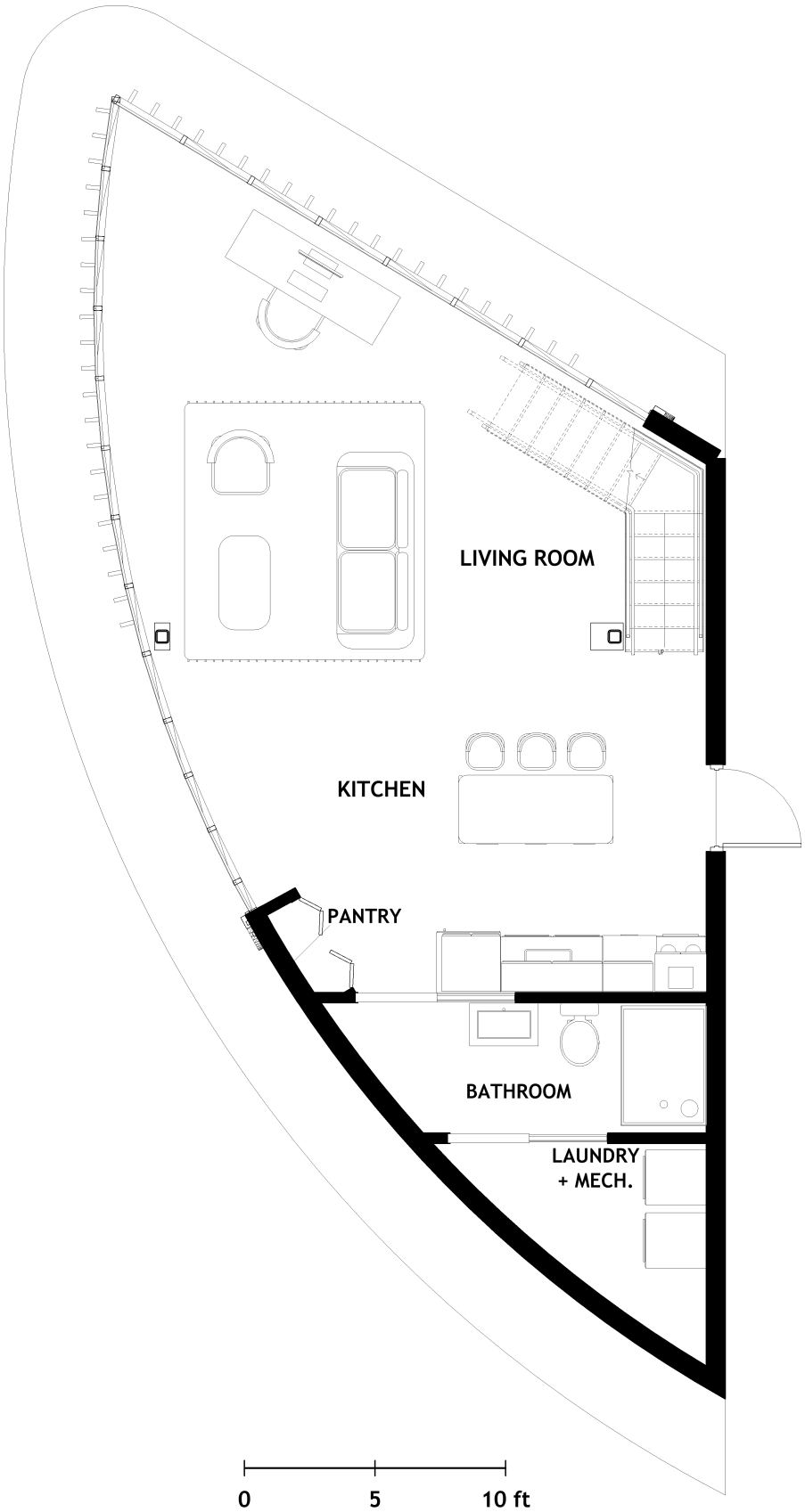
03-04	**Plans & movement**
05-06	**Living, sleeping & bathing**
07-08	**Storage, in detail**
09-11	**Assemblies & materials**
12-13	**Decisions & next steps**

USE THE PDF

Clickable index and bookmarks. Scan the QR on page 13 to explore the project, or use the direct links.

02 / PLAN READING

Open below.



01 / ARRIVE

Keep a clear route from the entrance past the island to the stair. The stair storage should open from the living side, not across its first tread.

02 / LIVE

The sofa faces the glazing. A sofa bed is a proposed flexible use: check its full open footprint, not just the closed sofa.

03 / SERVE

Pantry, full bathroom and laundry/mechanical functions occupy the service end. Preserve access to equipment when planning cabinets.

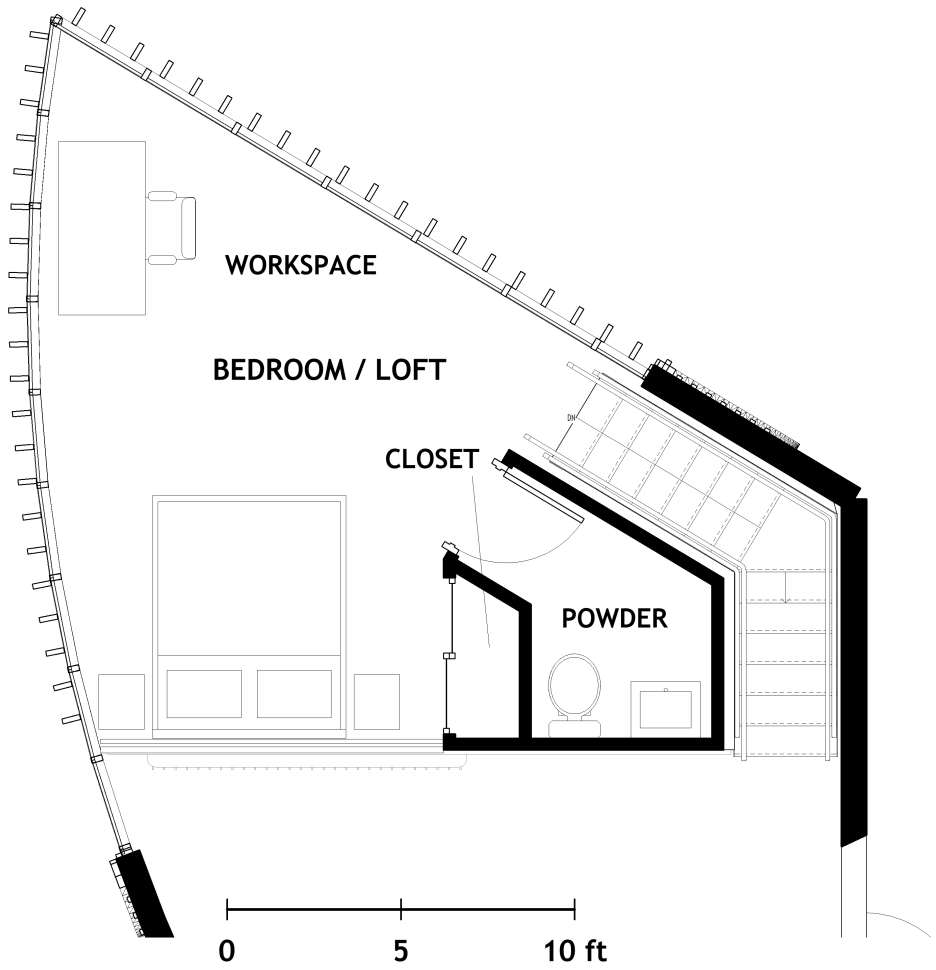
AREA / MAIN FLOOR

721 sq ft

Native presentation plan retained. Read stated dimensions; the digital page is not a print-to-scale construction sheet.

02 / PLAN READING

A second layer, with a purpose.



UPPER FLOOR

279

APPROX. SQ FT

Sleep + work

Powder room upstairs.
Full bath downstairs.

Joinery study / 08

THE LANDING

Arrive on a clear platform before turning toward the bed or the powder. Door leaves and storage fronts must not borrow that arrival space.

BED + CLOSET

Keep access to both nightstands. Test the closet and powder doors together with the bed approach, rather than resolving each one separately.

WORK + PRIVACY

The desk shares the loft with sleep. Plan outlets, task light and a chair pull-back zone; an open loft does not provide acoustic separation.

TEST IN SECTION

Check the roof above the standing person, not only above the furniture. Record the low points before finalizing the layout.

Plan geometry retained. Furniture fit, guarding, access and headroom remain subject to project-specific coordination.

03 / THE SHARED ROOM

Room to live,

not just room for furniture.



Current living-room visualization.



Current kitchen visualization.

A quieter composition

Let the seating face the view, then protect the route around it. The rug can gather the sofa, table and chair into one readable group. A few well-scaled pieces do more than extra furniture.

If the sofa becomes a guest bed, test the room in both states. Night-time access to the full bathroom should not require moving the table or climbing over bags.

A working kitchen

Resolve the kitchen as a continuous elevation: tall storage, refrigerator surround, wall cabinets and the hood enclosure should share an intentional alignment.

Check door swings and appliance clearances against the island or dining route. A deep drawer is only useful if it can open fully. Select hinges, runners, cleaning surfaces and lighting as part of the same design.

DESIGN TEST *Open every front. Pull out every chair. Walk through the room.*

03 / THE PRIVATE ROUTINE

Sleep well. Start slowly.





The sleeping room

Onda places the bed at the loft edge. The nightstands, closet and powder-room entrance have to work as one composition. A cupboard that blocks a bedside route is not extra capacity; it is a conflict.

External fins filter views, but they are not a complete blackout or night-privacy system. Coordinate an interior curtain or blind with the glass, furniture and cleaning access.

The full bathroom

The main bathing space is downstairs. The upper powder remains a toilet and basin, without a shower.

Develop the vanity, mirror, task light and towel storage together. Wet-zone edges, drainage and access for repair need a coordinated detail, not only a finish selection.

NIGHT ROUTINE Locate the light switch, clothing and a clear bathroom route before adding decorative furniture.

Interior design visualizations. They describe spatial and material intent, not installed products or verified construction assemblies.

04 / JOINERY ATLAS

Give everything an address.

Organize the contents before drawing the fronts.



CONCEPT STUDY / Cabinet below a straight stair segment; the project stair and its angled turn are unchanged.

WHERE	WHAT IT HOLDS	HOW IT SHOULD WORK
01 / LOW END	Shoes, slippers, small bags.	Shallow pull-out near the low end. A drawer brings the back of the cabinet within reach.
02 / MID-HEIGHT	Folded bedding and occasional luggage.	Use a full-extension pull-out; test the case size and the clear route with the drawer open.
03 / TALL END	Vacuum, cleaning tools, everyday supplies.	A tall door with an adjustable shelf. Keep cleaning products separate from food storage.
04 / SERVICE	Access panels, where required.	Separate service access from stored belongings. Do not use a structural member as a pipe chase.

Prompt-generated joinery concept, not extracted from Revit. Hardware, loads, ventilation and exact fit are not specified.

04 / JOINERY ATLAS

Fit the life,

then refine the cabinet.

STUDY 02

Beside the bed.

Clothing, linen and a separate access panel.



Illustrative cabinet study. Not a measured installation.

01 / HANG

List the longest garments first. The rail, shelf and cabinet depth should follow the real contents, not a generic wardrobe symbol.

02 / FOLD

Use adjustable shelves for linen and drawers for small items. Keep frequently used clothing within comfortable reach.

03 / SEPARATE

A service-access panel belongs outside the clothing bay. Keep it removable without emptying the wardrobe or moving the bed.

RECORD BEFORE FABRICATION

Clear opening / usable internal depth / door or drawer travel / access for maintenance. Check these in the developed model; no cabinet dimensions are inferred from this illustration.

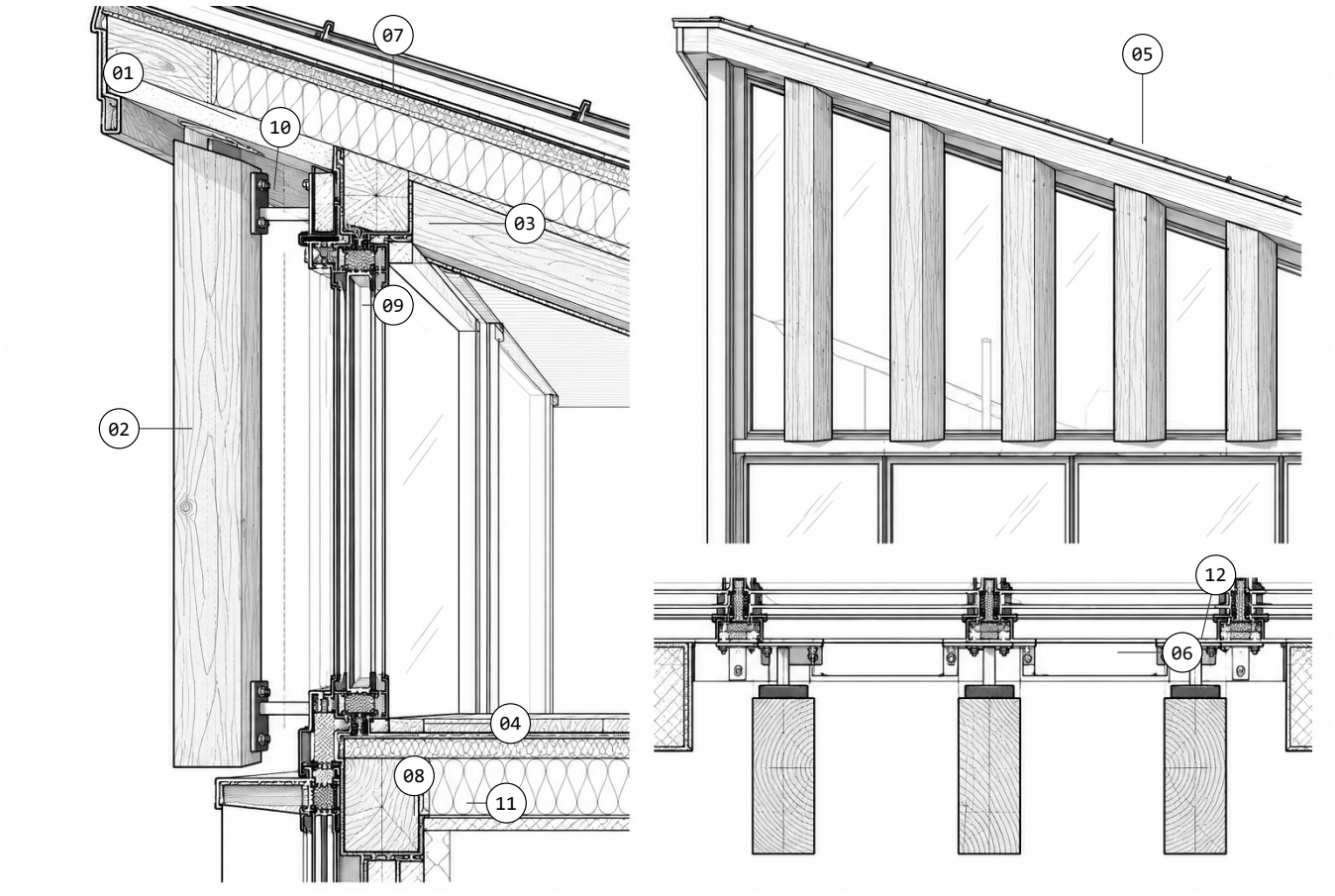
PANTRY / CLOSE TO THE WORK SURFACE

At the kitchen service end, assign dry food and small appliances their own shelves. Match shelf spacing to actual containers, and keep equipment ventilation and maintenance access clear.

05 / CONSTRUCTION LOGIC

Privacy, without closing the view.

01 / LOUVERS + GLAZING / PROPOSED MATERIALS + ASSEMBLY / NTS



01 / LOUVER SUBFRAME

Proposed galvanized steel rails on independent brackets at roof and loft edge. Design wind resistance and anchor zones; glazing carries no screen loads.

02 / TIMBER BLADES

Proposed exterior-grade cedar fins, sealed on all faces and end grain. Use replaceable mechanical fixings; coordinate blade depth, spacing and moisture movement.

03 / WINDOW SYSTEM

Proposed thermally broken aluminum frame with factory insulated glass units. Select Low-E coating, solar control, glass make-up and safety glazing for orientation and location.

04 / SILL DRAINAGE

Use a formed metal sill pan with back upstand, sealed end dams and an outward drip. Keep frame drainage slots open and separate from room-side seals [1].

05 / PRIVACY ZONE

Screen the upper sleeping zone while preserving clear glazing below. Check daylight and night views; provide a separate interior blind for blackout and privacy.

06 / BRACKETS + MOVEMENT

Use corrosion-resistant bolts and isolation washers between dissimilar metals. Slotted fixing points may accommodate movement after engineering review; retain access to each connection.

07 / CAVITY INSULATION

Proposed semi-rigid stone wool batts between timber studs and roof framing. Fit tightly around members and services without gaps or compression; select thickness by thermal design.

08 / CONTINUOUS LAYER

Proposed rigid mineral wool boards outside the framed enclosure reduce repeated framing bridges. Continue across the insulated rim; coordinate support rails through the insulation.

09 / AIR + VAPOR

Tape the inner frame to the continuous air barrier. Consider a variable-permeance vapor retarder only after climate review; keep a service cavity inside the control layer.

10 / RAINSCREEN

Behind opaque timber zones, provide a drained and ventilated cavity, weather barrier and screened terminations. Discharge incidental water independently of the glass frame [2].

11 / LOFT BUILD-UP

Proposed timber finish over structural plywood and engineered wood joists. Add acoustic mineral wool and a separated ceiling below where required; coordinate a tested floor assembly.

12 / INSTALLATION

Set and brace the frame, complete flashings, fit glazing, then install louver rails and fins. Inspect drainage before closing trims; preserve glass replacement and cleaning routes.

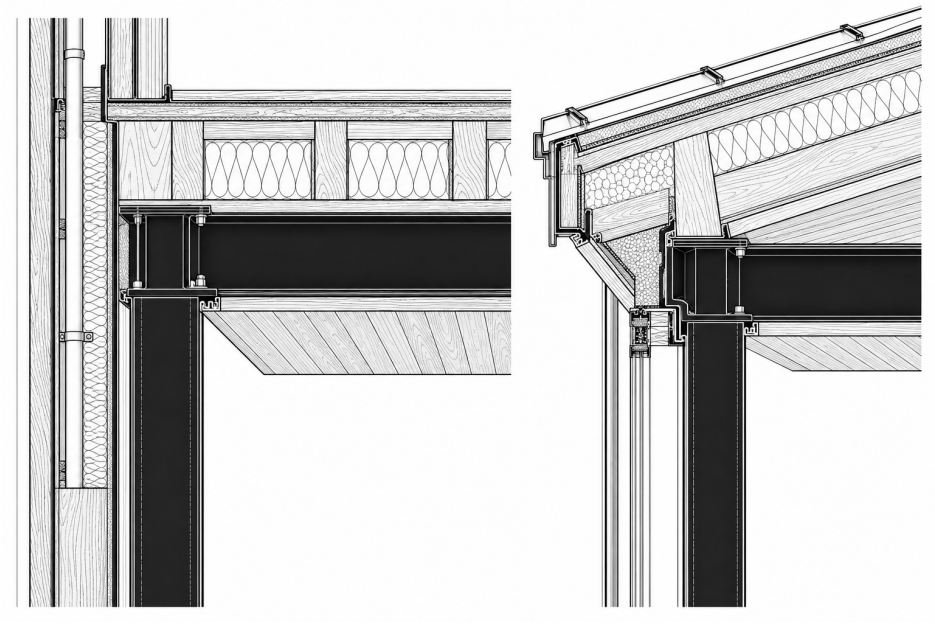
Material proposal / Member sizes, insulation thicknesses, R-values and rated assemblies follow site-specific design and supplier coordination.

05 / CONSTRUCTION LOGIC

From the roof to the ground.

02-03 / PROPOSED STRUCTURAL TYPES, LAYERS & CONNECTIONS / NTS

02 / STEEL FRAME + ROOF BEARING



A / POST + BEAM TYPES

Proposed square HSS steel posts and wide-flange steel beams, with matte black finish. HSS means hollow structural section. Size and grade follow structural design, including lateral stability.

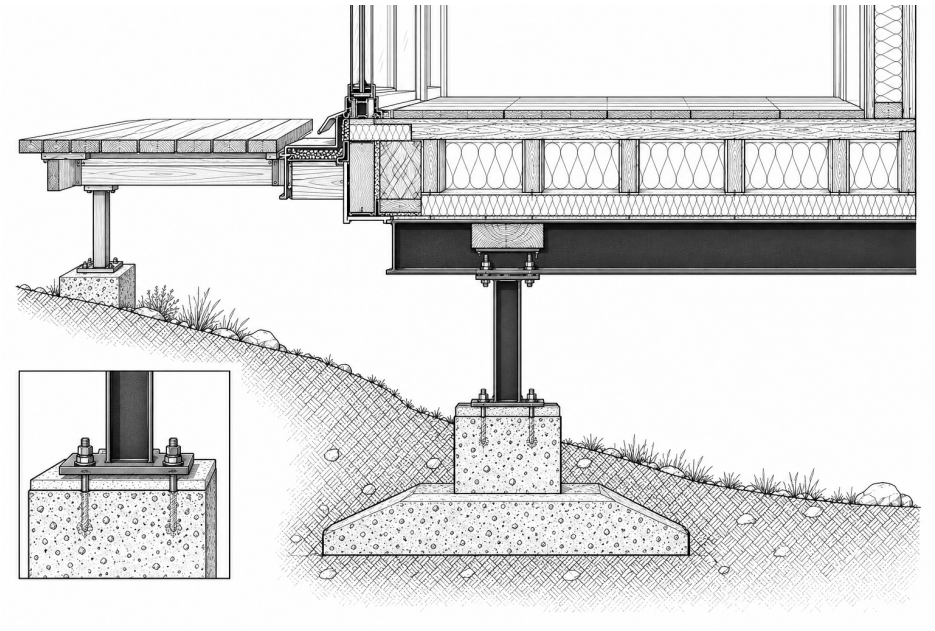
B / LOFT + CONNECTION

Engineered wood joists and structural plywood bear on the steel frame. Design end plates, bolts, welds and local stiffeners. Keep the plumbing chase separate, accessible and acoustically lined.

C / ROOF + THERMAL EDGE

Proposed timber rafters, stone wool batts and continuous roof insulation. Keep the steel frame inside the thermal enclosure where feasible. Coordinate air seals, glazing movement and required fire protection.

03 / FLOOR + STEEL POST + PIER



A / FLOOR ASSEMBLY

Timber finish, structural plywood and engineered wood joists with stone wool batts; proposed rigid insulation below the joists. Add a windtight membrane and durable protective soffit, with a sealed rim.

B / POST BASE

HSS steel post on an engineered base plate, anchor rods and leveling grout over a reinforced concrete pier. Specify exposure-appropriate corrosion protection and a designed thermal-break assembly where required.

C / FOUNDATION + DECK

Reinforced concrete pier and footing follow soil, frost, slope and lateral-load design. Keep the timber deck independently supported and drained; isolate wood from concrete and leave inspection access.

SPECIFICATION BASIS

Select actual products, grades and sections after load, climate and site review. Drawn bolts and layers do not establish a fastening or reinforcement schedule.

Mineral wool / manufacturer guide

Steel / AISC profiles

05 / MATERIAL LANGUAGE

Warmth, with restraint.





TIMBER

METAL

TEXTILE

TIMBER / DEPTH

A repeated grain and a controlled edge can link outside and inside. Exterior weathering and interior wear need different finish choices.

METAL / PRECISION

Roof, window frames and supports should share a deliberate sheen and edge language. A matching color alone does not make the junction coherent.

LIGHT / COMFORT

Test the palette in daylight and at night. Warm interior light should reveal texture without making every surface glossy or orange.



After dark

Glazing can expose more than expected once the inside is brighter than the landscape. Resolve an interior privacy layer and its stored position, not just an attractive exterior screen.

Palette and project visualizations indicate design intent, not manufacturer specifications. Swatch colors are illustrative.

06 / FROM IMAGE TO PROJECT

What is clear. What comes next.

A useful concept makes the unresolved questions visible.

01 USE & PRIVACY

Define who stays here and for how long. Different sleep schedules, visitors and calls test the layout more than an empty plan.

02 ACTUAL FIT

Check the furniture at full operating size: open fronts, chairs pulled back, luggage down and both people moving through the room.

03 SECTION & ACCESS

Verify headroom at the stair or ladder, desk, bed and bathroom. Coordinate guarding, structure and the local requirements.

04 SITE & ENVELOPE

Confirm orientation, access, survey, climate and ground conditions. Design glazing, shading, drainage and foundations for the actual site.

05 SERVICE & REPAIR

Reserve deliberate routes for plumbing, ventilation and electrical work. A concealed system still needs accessible maintenance points.

EDITION & DELIVERY

Onda shows the current loft design. Checkout and paid delivery have not been verified for this journal. This is a selected design preview, not a complete technical or permit set.

READING NOTES

[1] PNNL / Window flashing

[2] BSC / Drainage planes

Envelope principles, not assembly approval. SHIFT references native studies A501/A502/A702. Proposed joints still need engineering and supplier coordination.

Plans and interiors are project studies. Pages 09-10 are prompt-generated junction proposals, not extracted from Revit. No CAD, complete technical set, engineering or construction approval is included.

06 / THE NEXT CHAPTER

Make room for your own life.



A design to explore, then adapt to the place and the people who will use it.

From an idea to your place.

If you want help adapting the design and preparing it for local permitting, ARCH-S can work with you on the next scope. Or, when available in the selected package, take the editable CAD to your own contractor for a quote. Confirm the edition and deliverables first.

Explore Onda Cabin

Book a conversation

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PROJECT PAGE