A home, lived in.

Three houses for everyday life, family gatherings and mountain weekends.



Dream Home Collection / detail edition

October 25, 2026 | Editable Blender models, compact GLBs, room schedules and a reusable POV capture system. The images in this book are renders of the delivered geometry.

Design studies for discussion. No claims about structure, cost, code compliance or buildability.

Three ways to feel at home

The larger family house is the tour favorite; the courtyard version is closest to the requested compact range.

	A / Gallery	B / Courtyard	C / Alpine
Floors	2	1	1
Conditioned gross	3,399.46 sq ft	2,478.00 sq ft	1,152.00 sq ft
Conditioned net	2,972.75 sq ft	2,162.75 sq ft	1,013.50 sq ft
Bedrooms	4, all upstairs	4, all on main	2, on main
Character	Tall entry, family gallery, generous hosting	Single-level courtyard, compact rooms	Small retreat, warm hearth, simple materials
Main compromise	Larger than the family's 2,350 sq ft yardstick	Small gym, sauna and gathering nook	Reduced brief; no two offices or straight rear axis

Why these floor counts

A uses two floors and 3,399.46 gross conditioned square feet so the four bedrooms stay together above the hosting and service spaces. The second floor preserves the dramatic foyer and puts the quiet office in a separate ground-floor service wing, at the cost of more total area than the family yardstick.

B puts the full family program on one floor at 2,478 gross conditioned square feet, within the requested compact range. A courtyard separates the bedroom zone while compact service rooms and shared approaches reduce the footprint.

C uses one floor and 1,152 gross conditioned square feet for a two-bedroom, two-bath mountain escape. The stove anchors the shared living and dining space, while a ski mud zone and restrained rooms keep the retreat compact.

Gallery House / atmosphere

Warm oak, sage upholstery, brass details and a tall entry gallery.



Shaped dining and lounge chairs, rounded table edges, linen curtains, softened pillows, real sink openings, cabinet fronts, framed art and objects for daily life. Upstairs, the landing has warm lights and a small gallery of original geometric pieces.

Gallery House / main floor

Origin at the front-door threshold. +Y points toward the rear. Plan labels and furniture are part of the saved model.



Use the room schedule for exact net areas. This overhead design view is not a construction drawing.

Gallery House / upper floor

All four bedrooms share this floor. Both primary-capable rooms measure 13.5 x 15 ft; Primary A connects to its own bath.



Gallery House / four corners

Pitched roofs, covered entry, exterior openings and roof-plane skylights.



Front left



Front right



Rear left



Rear right

Gallery House / room schedule

Net room areas in square feet. Dimensions are bounding widths and depths; shaped rooms use polygon areas.

Floor	Room	Dimensions, ft	Area, sq ft
Main	Office 2	11.75 x 11.5	135.125
Main	Stair	7.5 x 11.5	86.25
Main	Service Hall	19.75 x 3	59.25
Main	Pantry	7 x 6	42
Main	Powder	5.5 x 6	33
Main	Kitchen	19.75 x 18.5 *	277.625
Main	Dining	12 x 17.5	210
Main	Gathering Nook	7.25 x 17.5	126.875
Main	Mud Drying	6 x 7	42
Main	Gear	6.5 x 11.5	74.75
Main	Focus Office	13.5 x 12	162
Main	Drying Store	6 x 4.5	27
Main	Gym	13 x 7	91
Main	Sauna	5 x 6	30
Main	Shower	3.5 x 6	21
Main	Cold Plunge	3.5 x 6	21
Main	Garage	27 x 26	702
Upper	Child A	11.75 x 11.5	135.125
Upper	Child B	13.5 x 11.5	155.25
Upper	Primary A	13.5 x 15	202.5
Upper	Primary B	13.5 x 15	202.5
Upper	Child Closet A	7.75 x 3	23.25
Upper	Child Closet B	7.75 x 3	23.25
Upper	Dressing A	6 x 6	36
Upper	Ensuite A	6 x 8.5	51
Upper	Family Bath	6 x 8.5	51
Upper	Landing West	11.75 x 3	35.25
Upper	Landing East	11.75 x 3	35.25
Upper	Upper Hall	3 x 3	9
Upper	Laundry Craft	9.5 x 15 *	100.5
Upper	Dressing B	6 x 6.5	39
Main	Foyer	3.5 x 11.75	41.125
Main	Axial Passage	3.5 x 22.25	77.875
Main	Living	19.75 x 16 *	298.75
Main	Entry Bench	5.75 x 3	17.25

Conditioned net: 2,972.75 sq ft. Walls, thresholds and gross reconciliation: 426.71 sq ft. Conditioned gross: 3,399.46 sq ft.

Garage is separate: 702.00 net / 756.00 gross sq ft. Garage entries in the table are excluded from the conditioned subtotal. * Shaped room: use the plan and polygon in validation.json.

Courtyard House / atmosphere

A compact family home with a courtyard and a small reading nook.



The same material family carries through the smaller layout: practical joinery, open doors, clear kitchen surfaces, daylight through the glazing and skylights, and a place to sit with a book.

Courtyard House / main floor

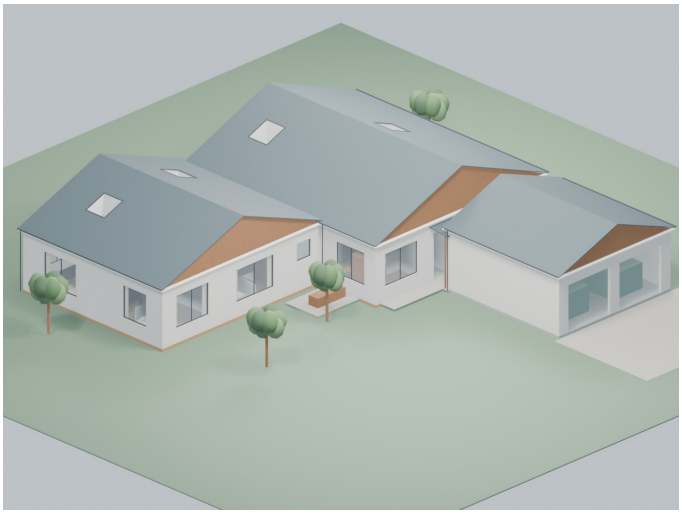
Origin at the front-door threshold. +Y points toward the rear. Plan labels and furniture are part of the saved model.



Use the room schedule for exact net areas. This overhead design view is not a construction drawing.

Courtyard House / four corners

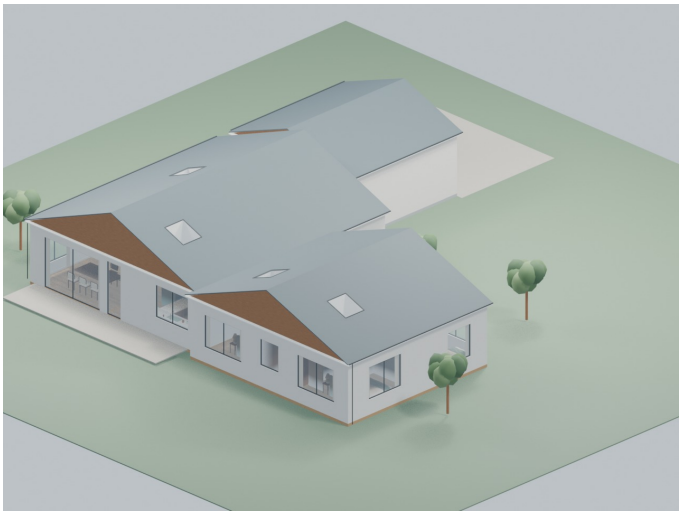
Pitched roofs, covered entry, exterior openings and roof-plane skylights.



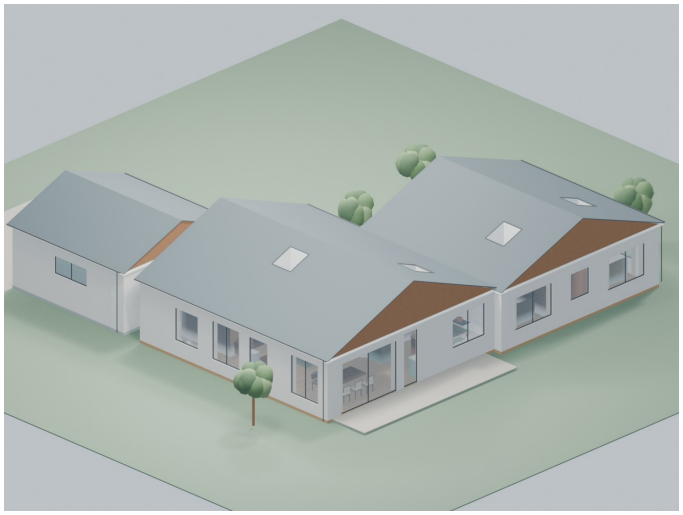
Front left



Front right



Rear left



Rear right

Courtyard House / room schedule

Net room areas in square feet. Dimensions are bounding widths and depths; shaped rooms use polygon areas.

Floor	Room	Dimensions, ft	Area, sq ft
Main	Focus Office	11 x 11	121
Main	Mud Drying	4 x 11	44
Main	Gear Laundry	11 x 5.5	60.5
Main	Service Hall	4 x 5.5	22
Main	Pantry	5.5 x 4.5	24.75
Main	Gym	9.5 x 5	47.5
Main	Sauna	3 x 5	15
Main	Spa Shower	3 x 5	15
Main	Cold Plunge	2.5 x 5	12.5
Main	Living	15.5 x 15.5	240.25
Main	Dining	15.5 x 10	155
Main	Kitchen	15.5 x 17 *	203.5
Main	Primary A	13 x 15	195
Main	Primary B	13 x 15	195
Main	Child A	13 x 10	130
Main	Child B	13 x 10	130
Main	Ensuite A	6 x 8.5	51
Main	Dressing A	6 x 6	36
Main	Family Bath	6 x 10	60
Main	Child Closet A	8 x 3	24
Main	Bedroom Hall	24.5 x 3	73.5
Main	Garage	23 x 23	529
Main	Powder	5 x 5.5	27.5
Main	Foyer	3 x 3.5	10.5
Main	Entry Bench	3.5 x 3.5	12.25
Main	Axial Passage	3 x 26	78
Main	Office 2	10 x 13 *	114
Main	Entry Hall	3 x 10	30
Main	Gathering Nook	5 x 7	35

Conditioned net: 2,162.75 sq ft. Walls, thresholds and gross reconciliation: 315.25 sq ft. Conditioned gross: 2,478.00 sq ft.

Garage is separate: 529.00 net / 576.00 gross sq ft. Garage entries in the table are excluded from the conditioned subtotal. * Shaped room: use the plan and polygon in validation.json.

Alpine House / atmosphere

A simple mountain retreat centered on the living-room wood stove.



Wood floors and the pitched interior ceiling give the retreat warmth. The living-room stove, firewood box, dining table, textiles and mountain artwork establish the character; stove installation and heating performance remain unassessed.

Alpine House / main floor

Origin at the front-door threshold. +Y points toward the rear. Plan labels and furniture are part of the saved model.



Use the room schedule for exact net areas. This overhead design view is not a construction drawing.

Alpine House / four corners

Pitched roofs, covered entry, exterior openings and roof-plane skylights.



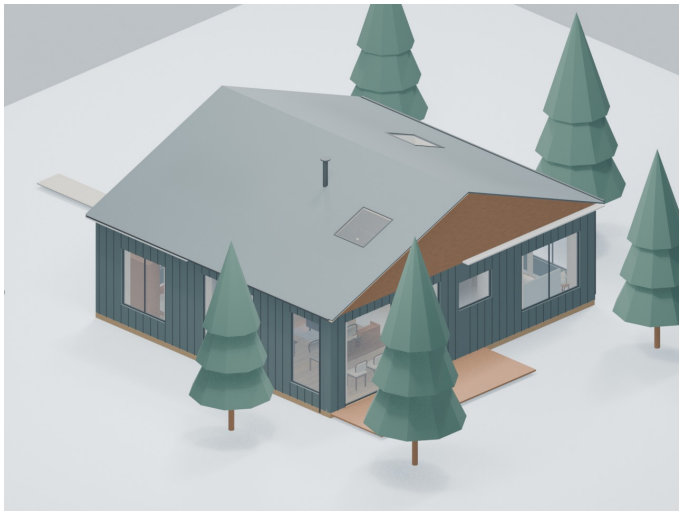
Front left



Front right



Rear left



Rear right

Alpine House / room schedule

Net room areas in square feet. Dimensions are bounding widths and depths; shaped rooms use polygon areas.

Floor	Room	Dimensions, ft	Area, sq ft
Main	Primary A	12 x 12	144
Main	Ensuite A	6.5 x 8	52
Main	Dressing A	6.5 x 3.5	22.75
Main	Bedroom B	15.5 x 12	186
Main	Bath 2	5.5 x 9.5	52.25
Main	Ski Mud	9.5 x 9.5	90.25
Main	Kitchen	15.5 x 8.5	131.75
Main	Entry Gallery	3 x 18.5	55.5
Main	Living	15.5 x 9.5	147.25
Main	Dining	15.5 x 8.5	131.75

Conditioned net: 1,013.50 sq ft. Walls, thresholds and gross reconciliation: 138.50 sq ft. Conditioned gross: 1,152.00 sq ft.

Garage is separate: 0.00 net / 0.00 gross sq ft. Garage entries in the table are excluded from the conditioned subtotal. * Shaped room: use the plan and polygon in validation.json.

The brief / honest self-checks

A and B retain the family program. C is judged against the original brief below so its intentional omissions remain visible.

Check	A	B	C
1. Room schedule reconciles to area	PASS	PASS	PASS
2. Bedrooms on one floor; two 13 x 15+; ensuite	PASS	PASS	FAIL
3. Living 240+; dining 150+; office 2 110+	PASS	PASS	FAIL
4. Hall limits and circulation below 12%	PASS	PASS	FAIL
5. Straight entry-to-rear axis	PASS	PASS	FAIL
6. No wall/post within kitchen work zone	PASS	PASS	PASS
7. Focus office separated; two exterior walls	PASS	PASS	FAIL
8. Skylights in roof plane	PASS	PASS	PASS
9. Specified ceiling envelopes	PASS	PASS	PASS

Circulation needs a clear denominator

A is 11.97% and B is 11.78% when measured against gross conditioned area. Against net room area they are 13.69% and 13.50%, so both FAIL a net-area interpretation of the 12% target. C is 12.11% gross and 13.76% net and FAILS either interpretation. No hall exceeds 120 sq ft.

Ceiling envelopes are nominal: A has 10 ft main rooms, 9 ft upper rooms and a 20 ft foyer; B has 10 ft enclosed rooms and a taller entry; C has 10 ft enclosed rooms and a pitched living/dining ceiling. Thin finish overlays are visualization geometry.

The detailed revisions were compared with the saved room, roof and wall geometry; new furnishings and open doors were checked against the clear entry axis and kitchen wall-free zone. The supplied validation JSON retains the geometric evidence.

Walk through Gallery House

A reusable capture system, with the house model as the source of truth.



Front entry > living > dining > kitchen > both stair flights > Child A > Primary A > Child B > Primary B.

The planner reads named room polygons and stair treads, builds routes around visible furniture and walls, and samples a 5.2 ft eye-height camera. It checks the sampled path for collisions and measures camera clearance above the actual stair treads. This is camera-route QA, not a human-accessibility or building-code assessment.

Edit gallery-house-tour.json to change the stops or composition. Run capture_tour.py again after a layout edit; a source/configuration fingerprint prevents mixing revisions, and complete frames can be resumed after interruption. Open the generated walkthrough .blend to inspect or adjust the animated camera.

Draft, presentation and Cycles modes trade speed for image quality. The delivered movie uses a smooth POV with no person or hands; see its capture manifest for the actual resolution, frame sampling and renderer.

What I would change next

The models are furnished design studies. A good next pass should improve the plan as well as its presentation.

A / Reduce the generous footprint

The 3,399 sq ft gross house is substantially larger than the family yardstick. I would test a smaller service wing and gathering nook while protecting the two offices, kitchen working room and four upstairs bedrooms.

B / Make the small spaces work harder

The 47.5 sq ft gym, 15 sq ft sauna and 35 sq ft gathering nook are compact. I would work through actual equipment and seating choices before treating these rooms as settled.

C / Resolve the retreat details

The simplified mountain setting, snow, trees and stove are visualization choices. Next I would refine the entry storage, exterior terrain and window views; the stove location is a spatial proposal only.

All three / More specific materials and joinery

The models still use simplified upholstery, art, vegetation and material textures. Hardware, trim, lighting and storage deserve another pass tied to the family's actual belongings and preferences.

The film / Extend the route thoughtfully

The tour prioritizes hosting spaces, stairs and every bedroom. A longer version could visit the offices, baths and spa; tight turns and doorways should be reviewed again whenever walls or furniture move.

Files in the collection

Three editable .blend files; three GLBs below 5 MB; four corner views, one plan per floor, entry and interior views; room CSVs and validation receipts; the Gallery House video and animated-camera .blend; reusable capture scripts and route configuration. GLBs use Draco compression where required and simplify procedural materials; the native Blender files retain the fuller appearance.