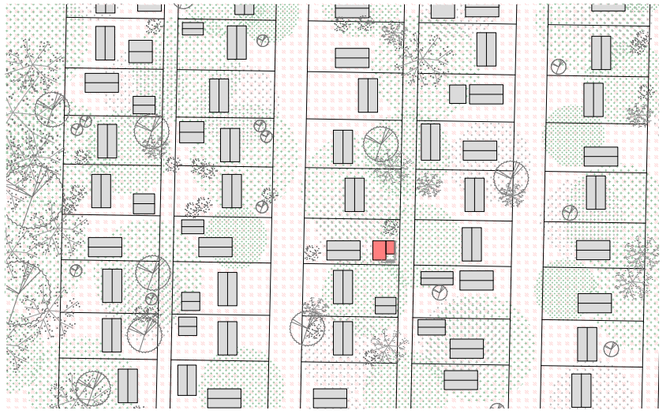
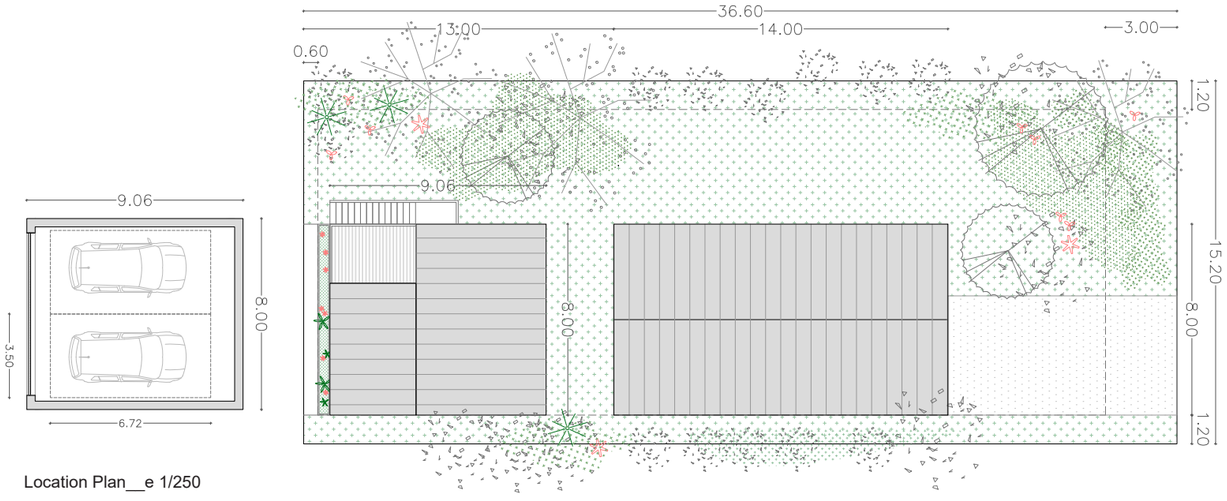
“PEAK”ABOO LOOKOUT

The “Peak”aboo Lookout design offers high ceilings with elevated window placements to capture the beautiful Squamish mountain views while allowing for maximum daylight and privacy with your neighbors.
The whole ADU is matching the width dimensions of the main house, this allows to balance the scale of the whole lot and keep the visual continuity of the garden.
The ADU is using the minimum space needed while generating interesting and adequate interior spaces.
The materials used are local thermal treated cedar as exterior finish for the upper floor level, zinc roof and concrete for walls for the garage volume. The exterior design is adding vegetation to the upper floor and through the deck.
The whole house has been design using prefabricated panels that will bring excelent quiality control and will reduce site install time.



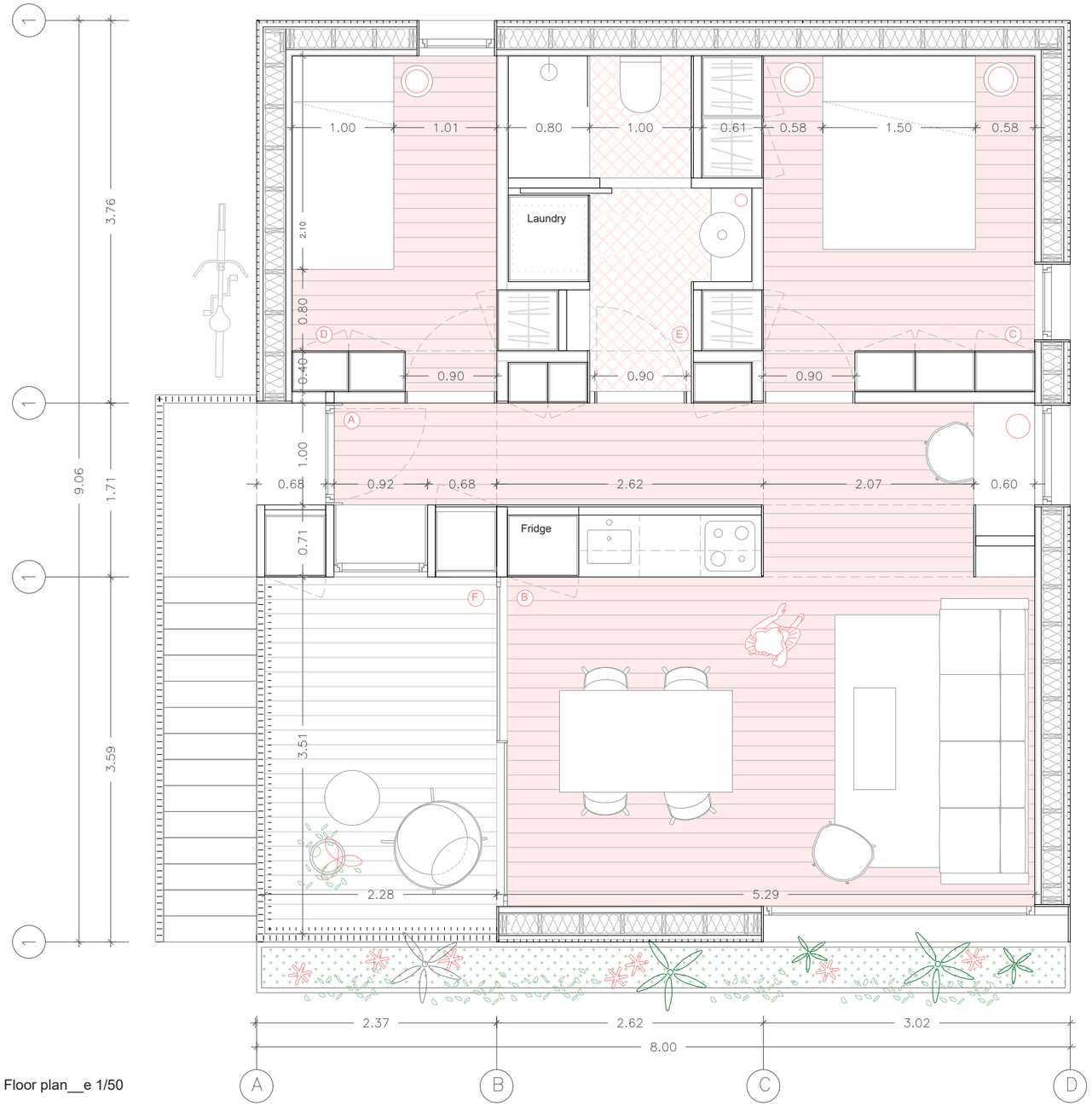
Location Plan__e 1/2500

Location Elevation__e 1/150

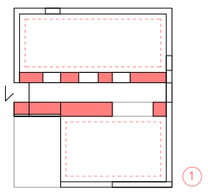


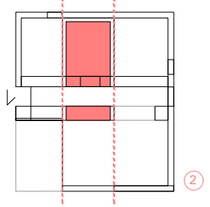
Location Plan__e 1/250

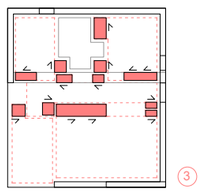
SQUAMISH ACCESSORY DWELLING UNIT DESIGN COMPETITION - CATEGORY 1: CARRIAGE HOUSE - “PEAK”ABOO LOOKOUT



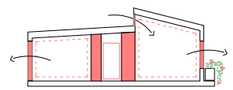
Floor plan__e 1/50







1. Central corridor provides natural separation between two living spaces.
2. Compact bathroom is in alignment with the kitchen providing clean lines and definition of spaces.
3. Optimized for maximum storage.



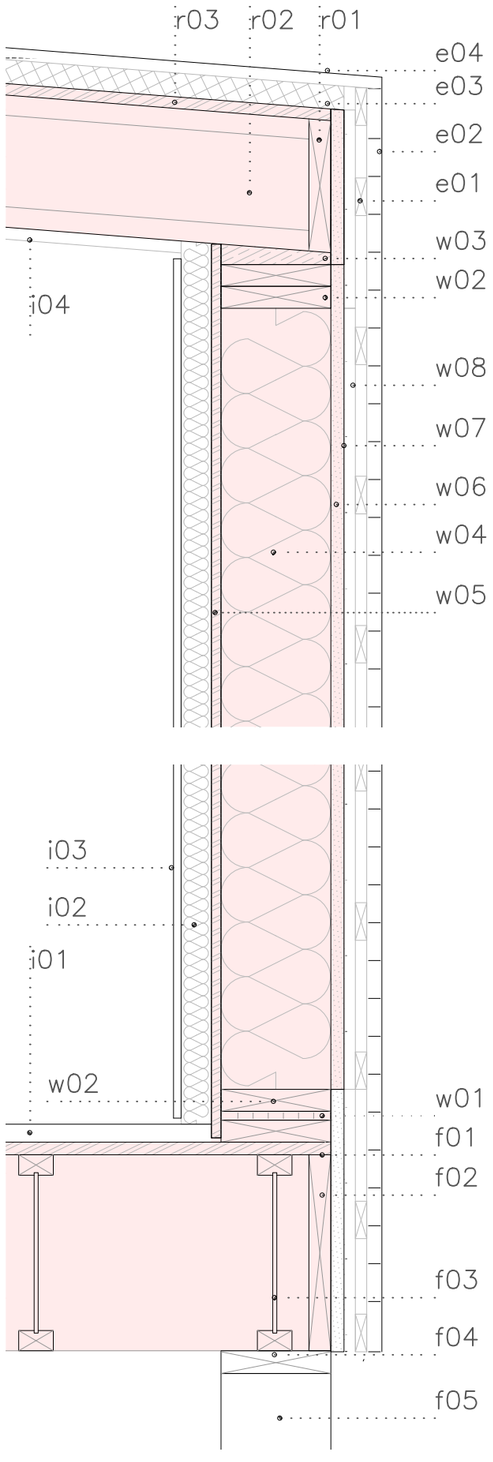
Daylight enters from the upper window. Sleeping area is lower and private / Living room is optimized for open concept space.

GROS AREA

Gros area	63.25m2
Exterior porch	0.70m2 (compute 0.35m2)
TOTAL GROS AREA	63.60m2

NET AREA TOTAL NET AREA 58.65m2

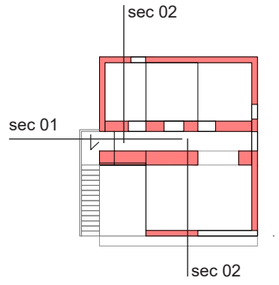
(A)	Entry/Corridor Desk area	9.35m2	
(B)	Kitchen and Dinning/Living	19m2	
(C)	Bathroom and Laundry		5.60m2
(D)	Master Bedroom		9.80m2
(E)	Bedroom		7.00m2
(F)	Exterior Deck		7.90m2

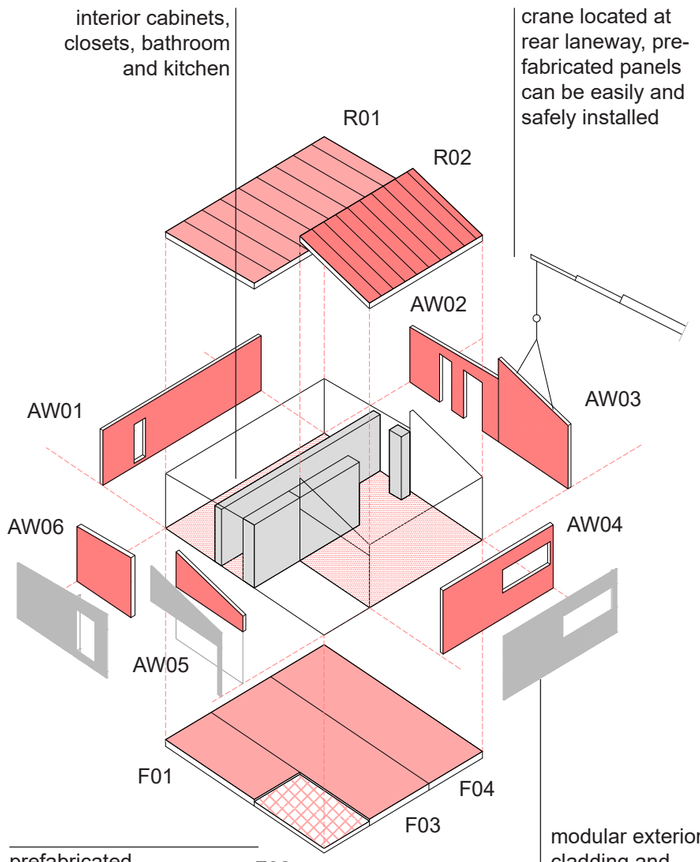


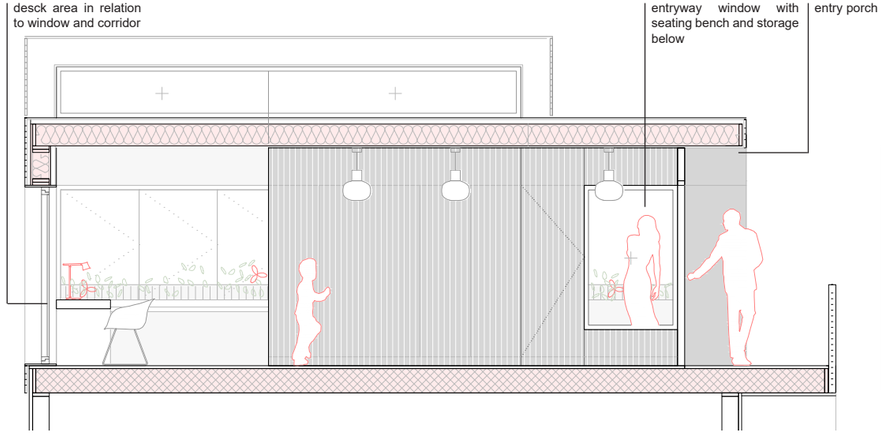
e 1/10__Detail

DETAIL LEGEND

w01 Site install plates / **w02** Prefab wall panel top and bottom plates / **w03** Precut shim piece to adjust roof slope / **w04** Prefab wall assembly (SPF 2x8 studs) with blown cellulose insulation (density of insulation tested at shop) / **w05** Prefab wall interior sheathing (plywood), primary air and vapour barrier (taped and sealed at shop) / **w06** Wood Fibre Board / **w07** Prefab wall high performance waterproof membrane WRB (taped and sealed at shop) / **w08** Rain screen as strapping / **f01** Prefab floor panel sheathing T&G / **f02** Prefab floor panel rim board / **f03** Prefab floor panel joists / **f04** Vapour/air barrier (underneath panel) T&G / **f05** Concrete wall / **r01** Prefab roof panel sheathing T&G / **r02** Prefab roof panel rim board / **r03** Prefab roof panel joists with insulation / **r04** Vapour/air barrier (underneath panel) T&G / **i01** Wood floor interior finish / **i02** Service cavity (insulated) back framed to run mechanical/electrical services / **i03** Wall interior finish / **i04** Roof interior finish / **e01** Sub structure for cladding support / **e02** Exterior cladding ceder / **e03** Vapour Barrier + Roof rigid insulation and waterproof membrane

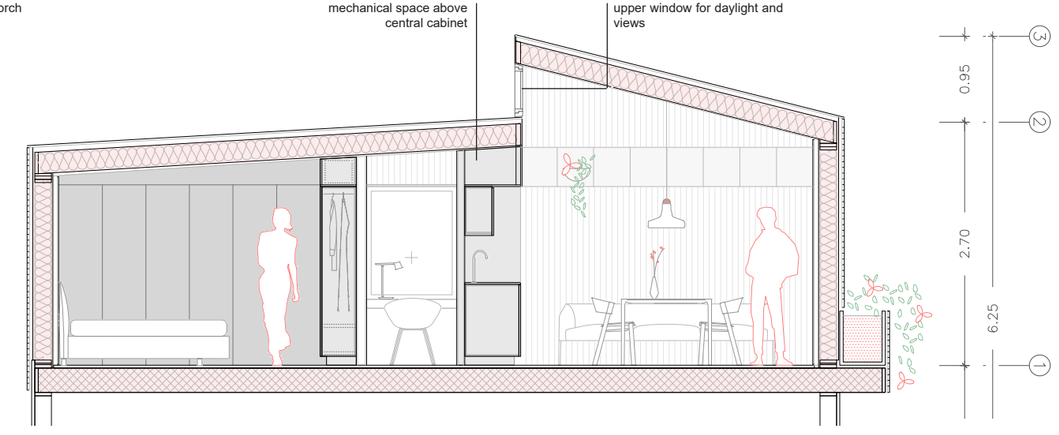






e 1/75

sec 01



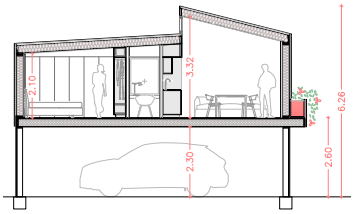
sec 02

“PEAK”ABOO LOOKOUT

The “Peak”aboo Lookout design offers high ceilings with elevated window placements to capture the beautiful Squamish Mountain views while allowing maximum natural light to enter the space, without compromising privacy with your neighbors.

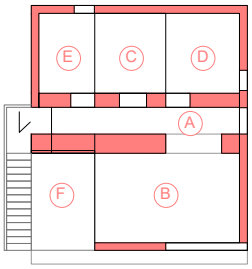
The split-level roof has been designed to provide natural separation within the living space. Under the lower section of roof contains the bedrooms, bathroom, and desk space to keep the warm and cozy feeling while the taller ceiling living space encompasses the main living room and kitchen, which are more open to exterior views. The design features an offset entrance that provides privacy from the laneway while also creating a secluded exterior living space.

The overall ADU dimensions match the width of the main house to allow for a compact and visually appealing design, while remaining functional and accommodating towards the shared outdoor green living space. Interior corridors have been optimized to allow for built-in closets, storage, a seating bench at the entry and a built-in desk/office nook. The indoor corridors along with the interior doors have been maximized for width, while the floors are designed to be one flat surface throughout the entire living space to accommodate various individuals and their personal living requirements.



HEIGHT

Flood Construction level	2.60m
ADU max. Height	6.25m
Interior min. ceiling height	2.10m
Interior max. ceiling height	3.25m



GROS AREA

TOTAL GROS AREA 63.60m2

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NET AREA

TOTAL NET AREA 58.65m2

A	Entry/Corridor Desk area 9.35m2	C	Bathroom and Laundry 5.60m2
B	Kitchen and Dinning/Living 19m2	D	Master Bedroom 9.80m2
		E	Bedroom 7.00m2
		F	Exterior Deck 7.90m2

GENERAL DIMENSIONS

Footprint	9.08 x 8.00m
Exterior Deck	3.51 x 3.28m

KEY FEATURES

Entry bench and closet
Desk area
Corridor storage
Kitchen (fridge/food storage/sink/preparation space/electric cooktop)
Living room connected to exterior deck
Exterior deck with storage
Master bedroom + Bedroom with closets
Bathroom + Laundry (nicely integrated)

The design intention is to facilitate fire-resistant exterior finishes such as modular hard board panels (thermal treated cedar Class CC1 as per WUI) with steel roofing (zinc), which require minimum maintenance, however the design can easily be adapted to accommodate for a variety of exterior and interior finishes. In relation to heating and cooling, the recommendation would be for an electric heat pump as this offers the greatest efficiency. We anticipate the construction costs to be approximately $5000/ per finished m2, which is inclusive of all design, pre-construction and finished build costs.

The floor, wall and roof assemblies have been specifically designed for prefab construction by a local Squamish company. By choosing a prefabricated structure, the client will save time on the overall build schedule and allow for faster final occupancy. Prefab construction also reduces the amount of typical waste found onsite as all materials are accurately 3D modeled prior to being ordered and cut to final dimension. The neighbors will also appreciate the condensed construction schedule with the reduction of onsite noise.

The wall & roof assemblies specified within the design will easily achieve Step Code 5, the highest energy rating under British Columbia's step code with the use of electric appliances and an air sourced electric heat pump. With the use of locally sourced lumber within the structural framing package and by reducing the use of petroleum-based products within the wall assembly (eg: traditional 6mil poly as an air barrier), in my opinion this is the best wall assembly details to allow for both a healthy home and a more environmentally friendly construction practice. The exterior wall sheathing has been specified as wood fiber board which offers additional insulative value and is a low embodied carbon product when compared to more traditional exterior sheathing options.