

The background of the image is a repeating geometric pattern. It consists of dark gray triangles of various sizes and orientations, some pointing upwards and some downwards, set against a light gray background. The triangles are arranged in a way that creates a sense of depth and movement, resembling a stylized, abstract forest or a series of overlapping planes.

knog



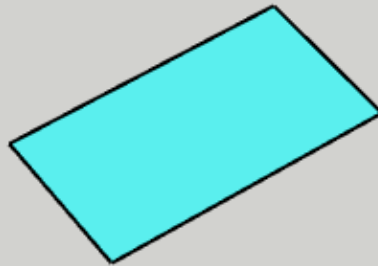
knog

n. a small cask or keg, *fig.* a small house with chimney in one gable only

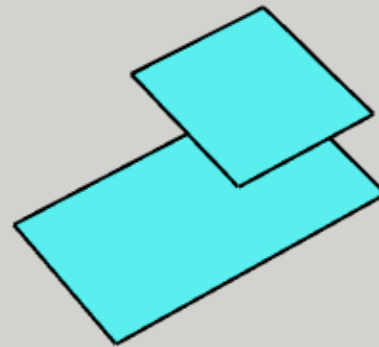
n. the small length of wood that stabilises the whole frame

principle

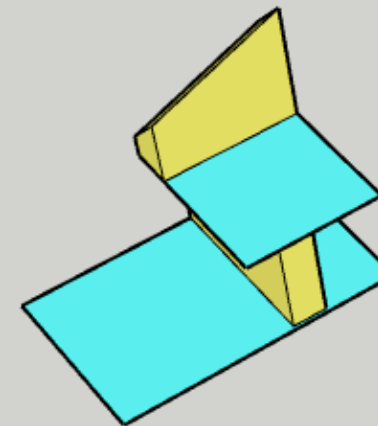
smaller family units....1 or 2 people....demand for smaller homes / waste of larger homes....waste of land...large footprints not adaptable to small, sloping sites....small homes can be infill, back garden, development on challenging tree filled sites...single or multiple units



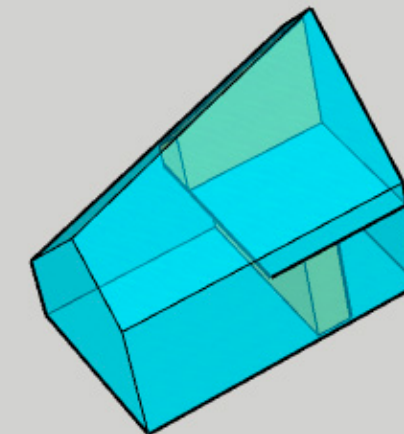
multiple storeys help conserve land area by stacking...some functions are used once within 24 hour cycle, can be separate from the primary level....making housing accessible keeps all daytime functions on the primary level



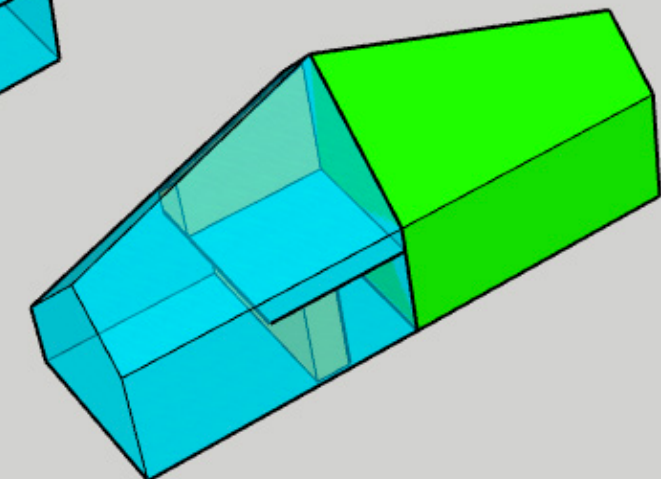
when space is at a premium, it needs to work harder, in as many ways as possible...no space can be mono functional...use space and recycle for the next need...



functions should not take permanent space...cabinets are designed to fold away intermittent equipment...multiple storage opportunities help keep function spaces clear



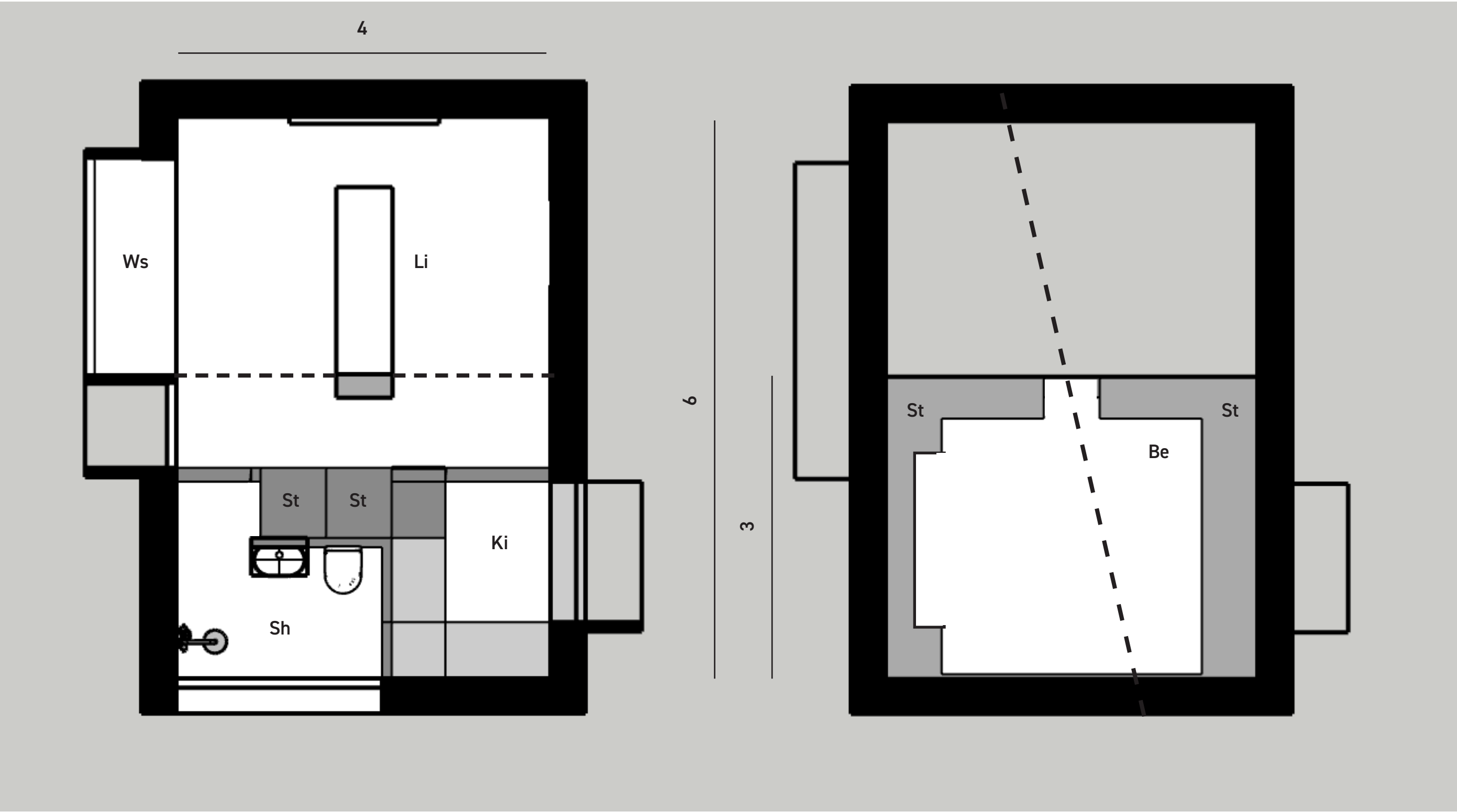
the skin is defined by the function....spatial economy shrinks the volume to a minimum....shaping creates a dynamic thermal environment...efficiency of air flow, temperature uniformity...variety of volume creates different places within the whole



the volume results in form that allows varied tessellation...different face conditions link to the next unit in a choice of ways, creating external variety, internal options, multi module homes...urban responses such as terrace or block...deals with changes in alignment and level while maintaining cohesion of form and community...surfaces create public and private places...

plan

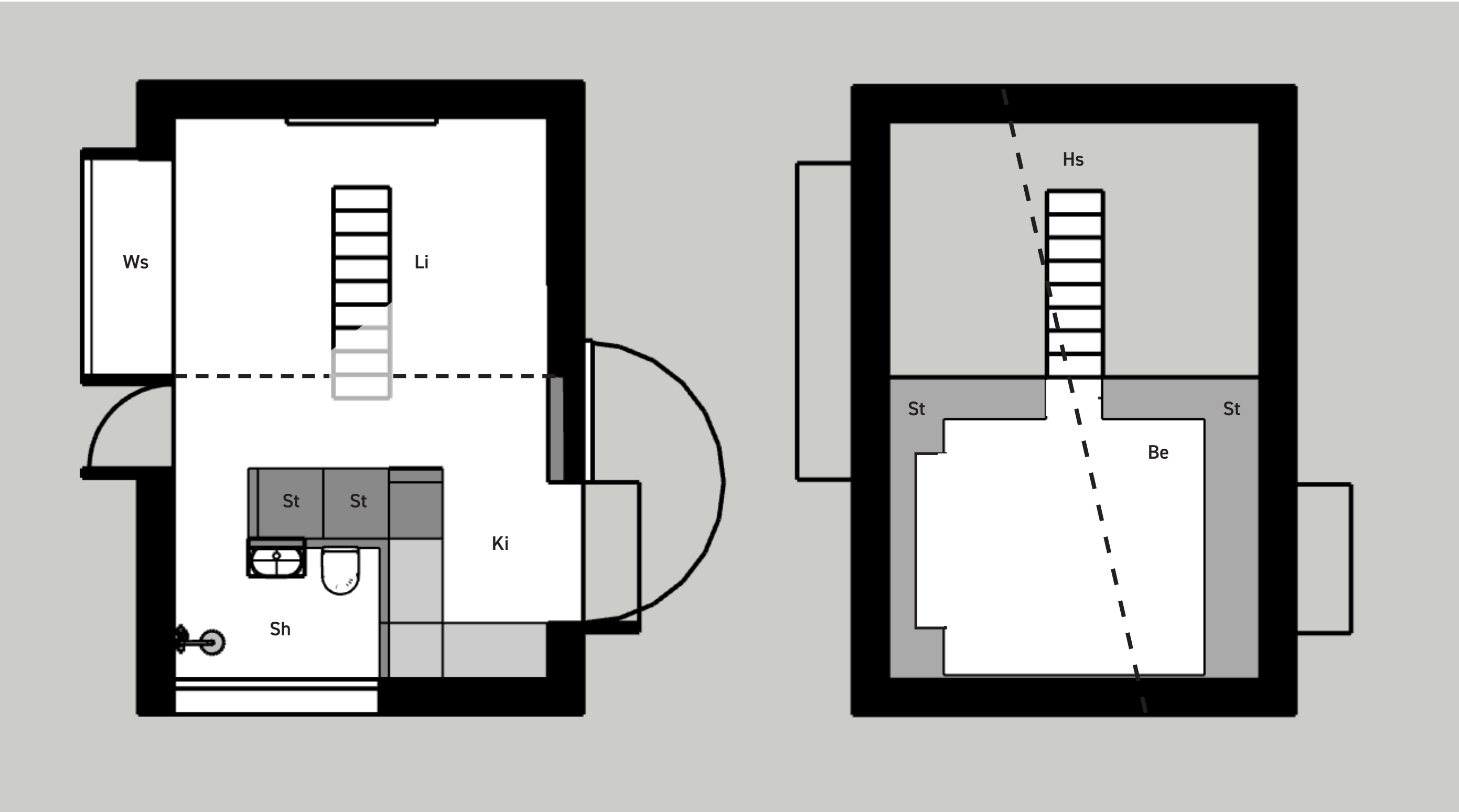
plan : core closed



Ws Window seat
Li Living room
St Storage wall
Sh Shower
Ki Kitchen

Be Bedroom
St Storage bench

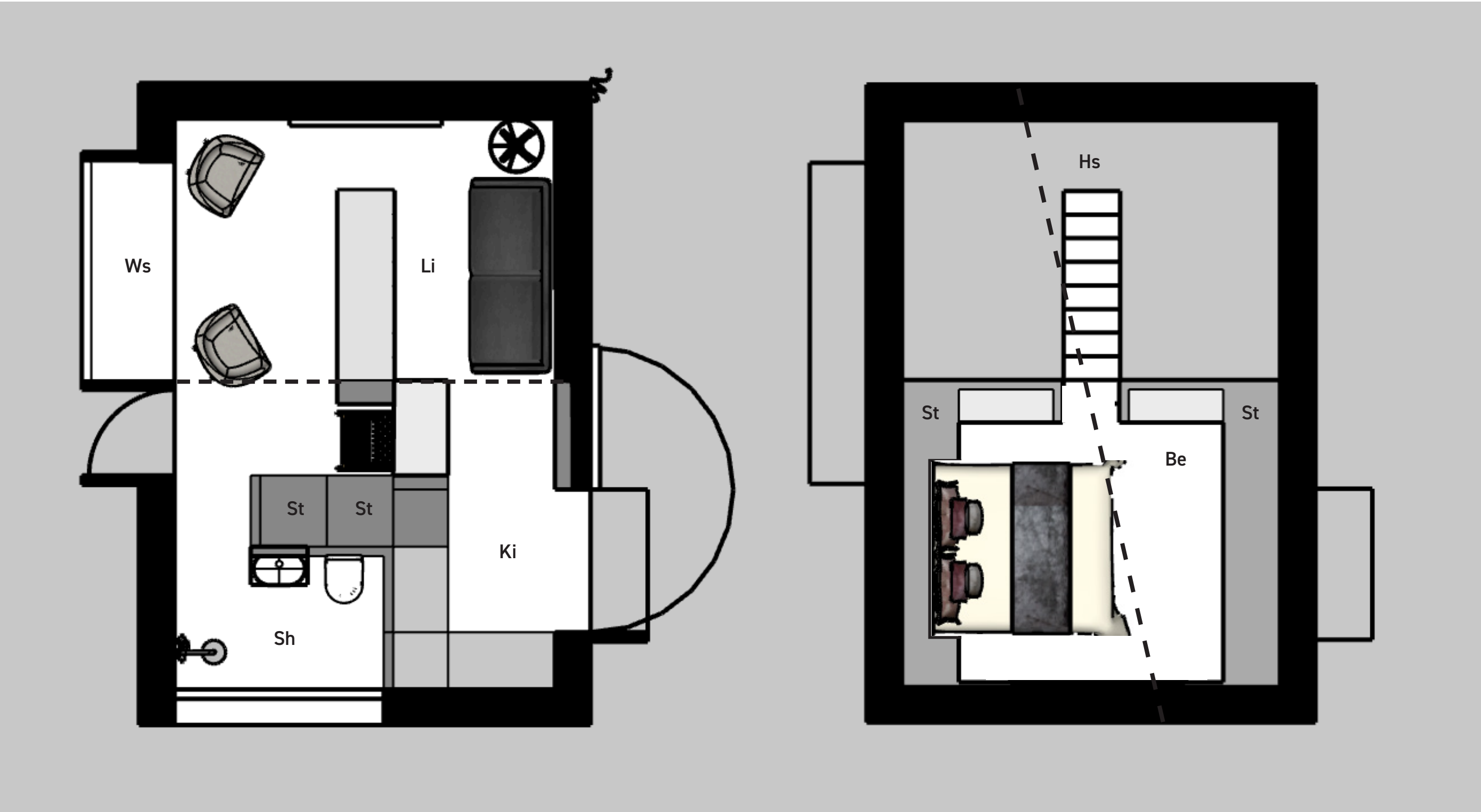
plan : core open



Ws Window seat
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St Storage wall
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Ki Kitchen

Hs Hinged stair
Be Bedroom
St Storage bench

plan : occupied

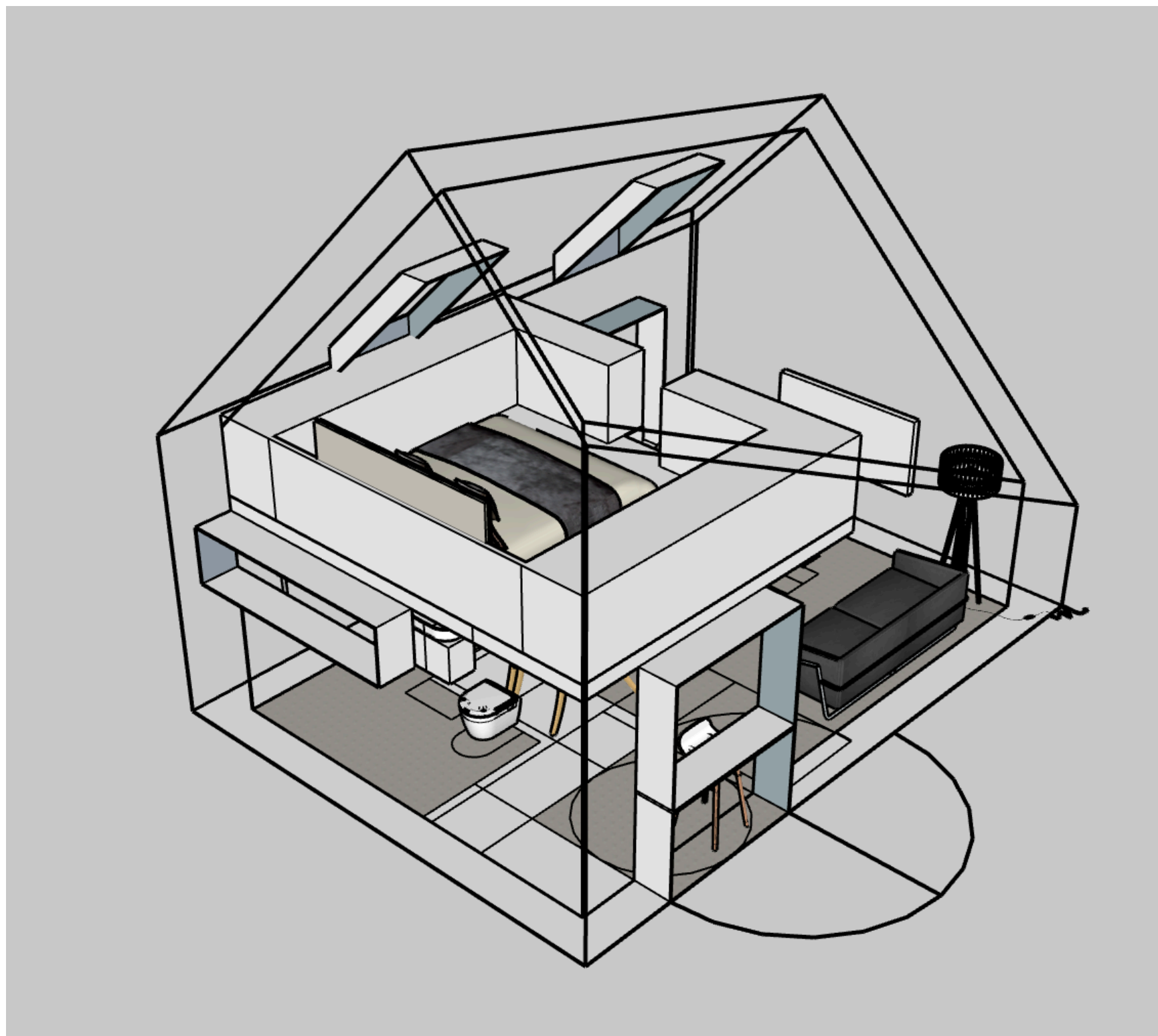


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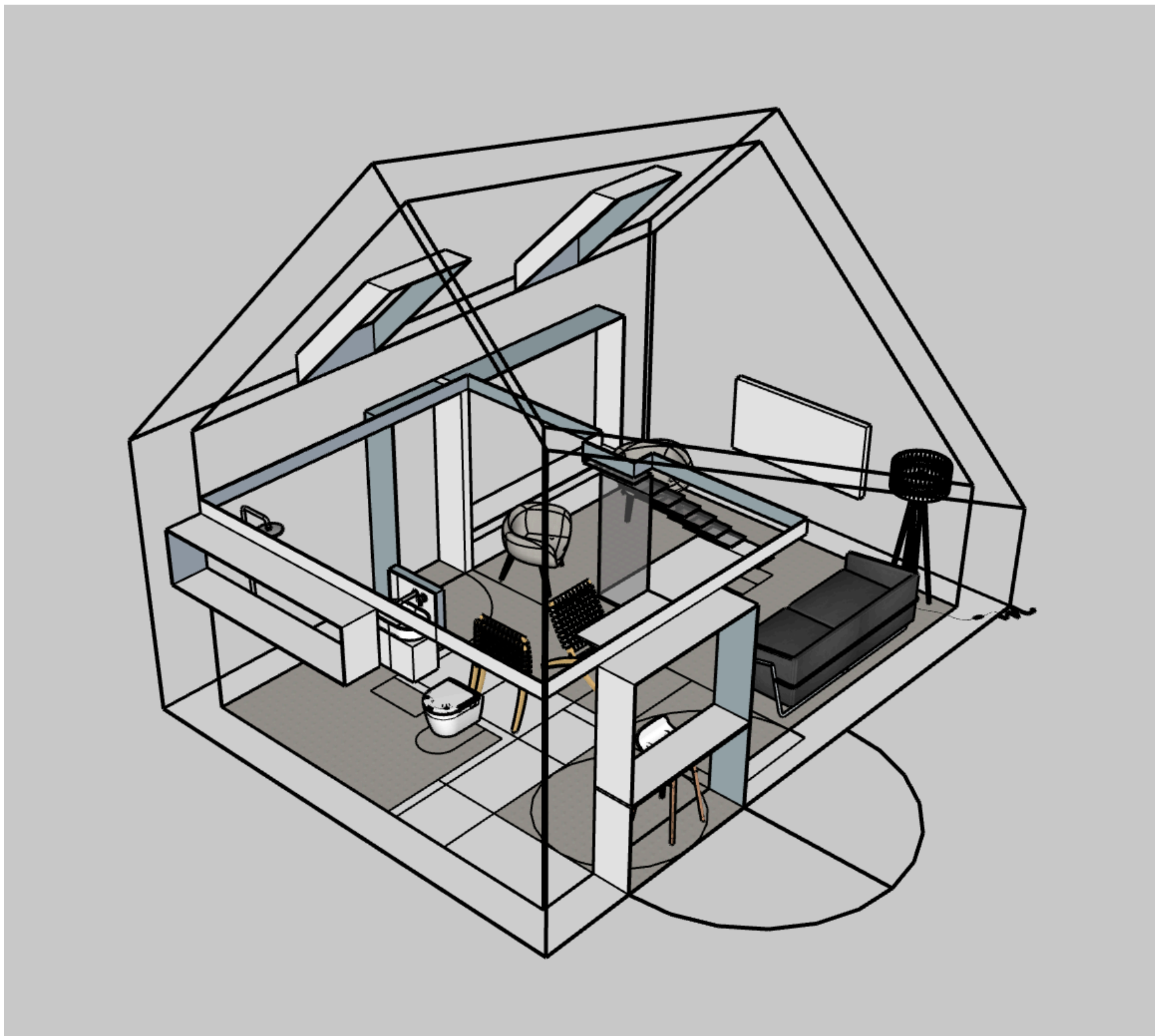
Hs Hinged stair
Be Bedroom
St Storage bench

volumise

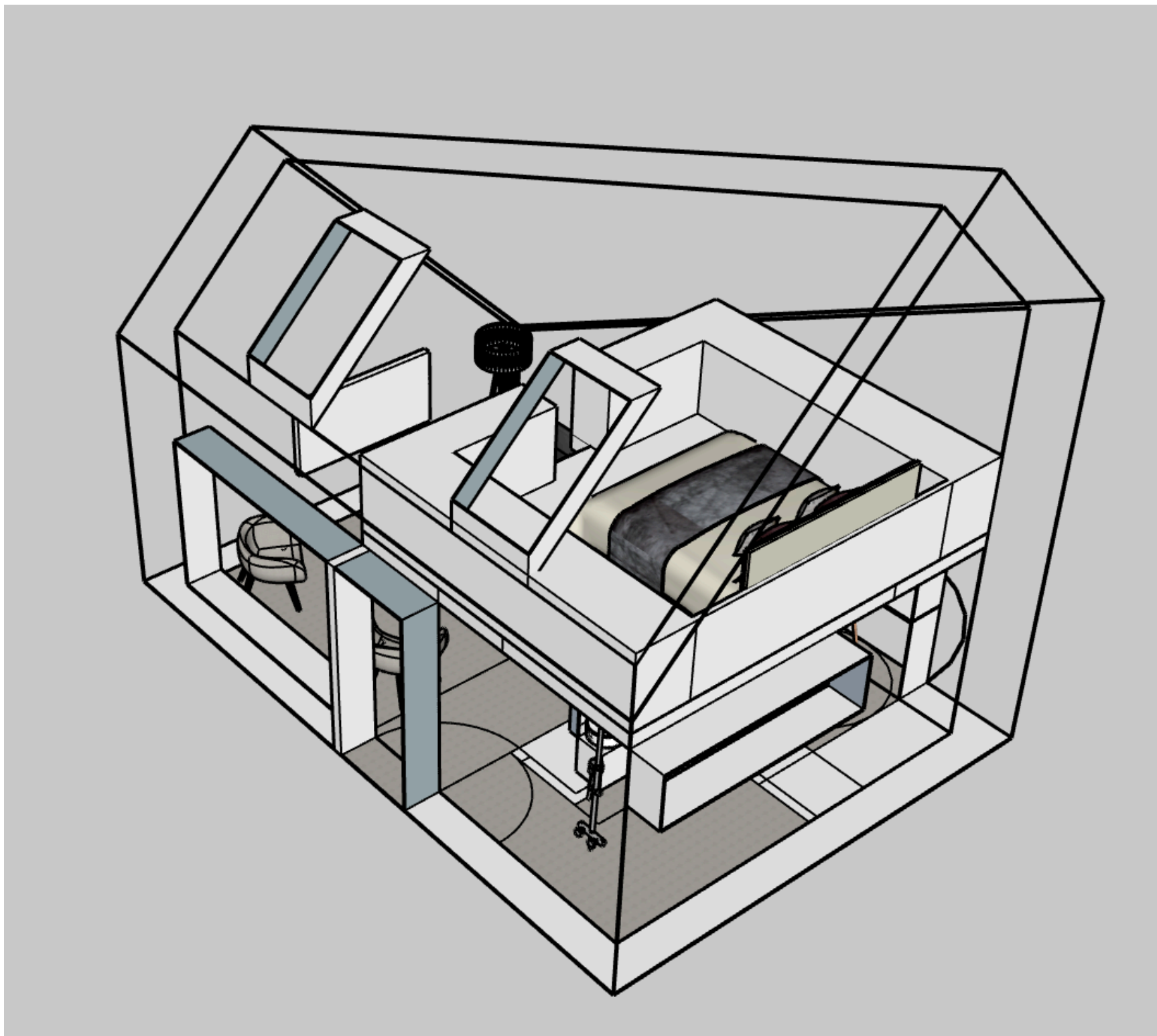
skeleton



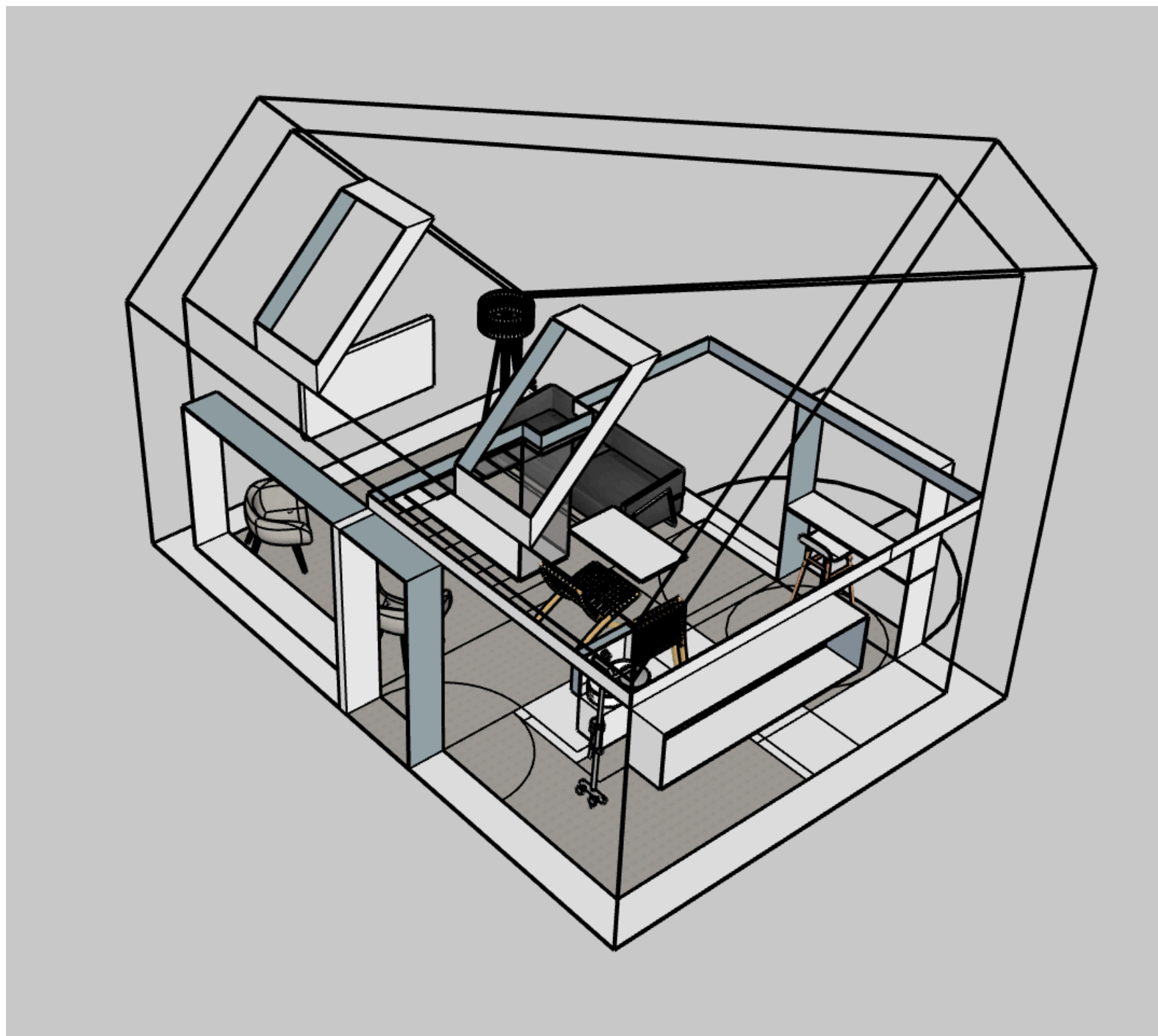
skeleton



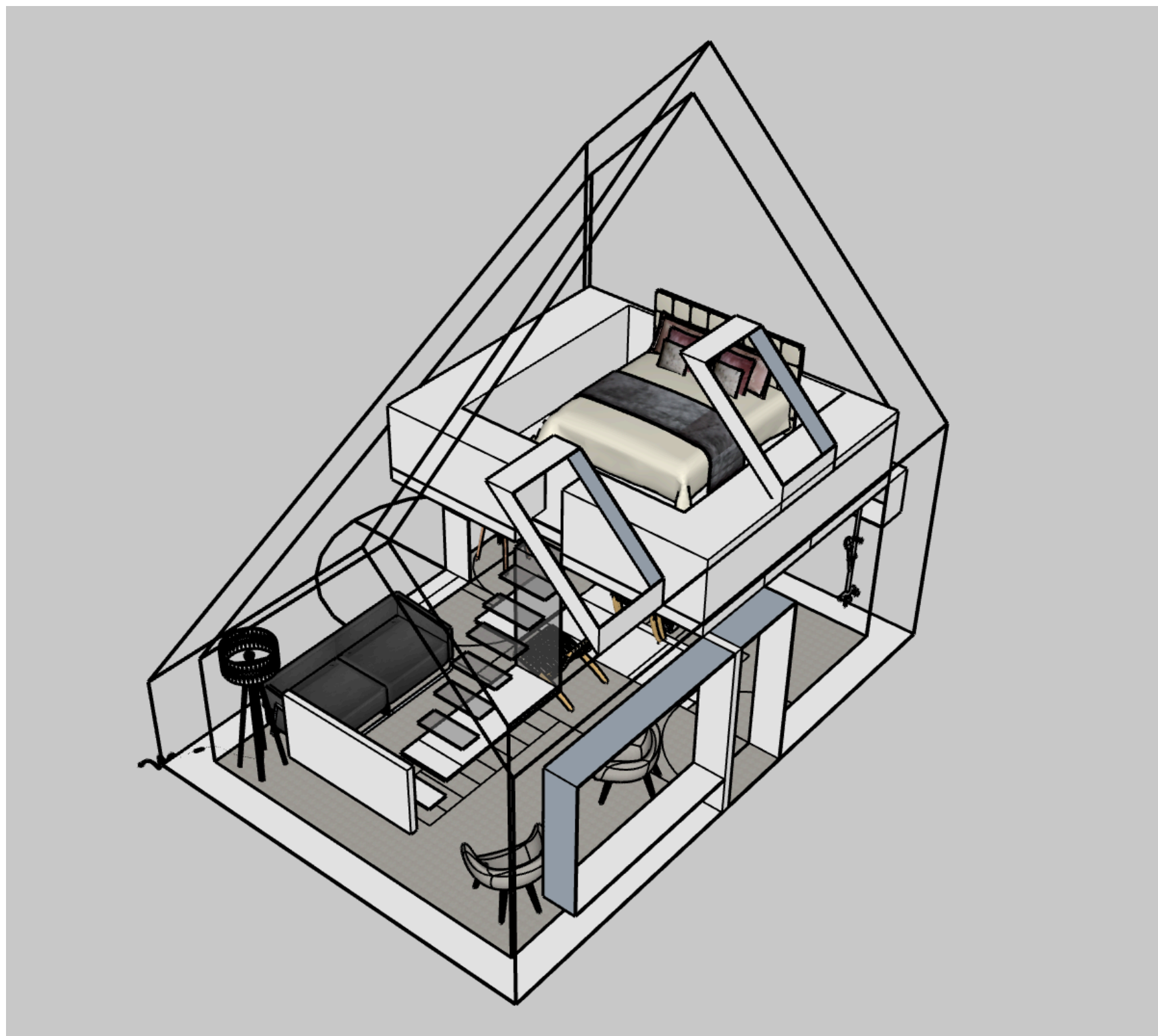
skeleton



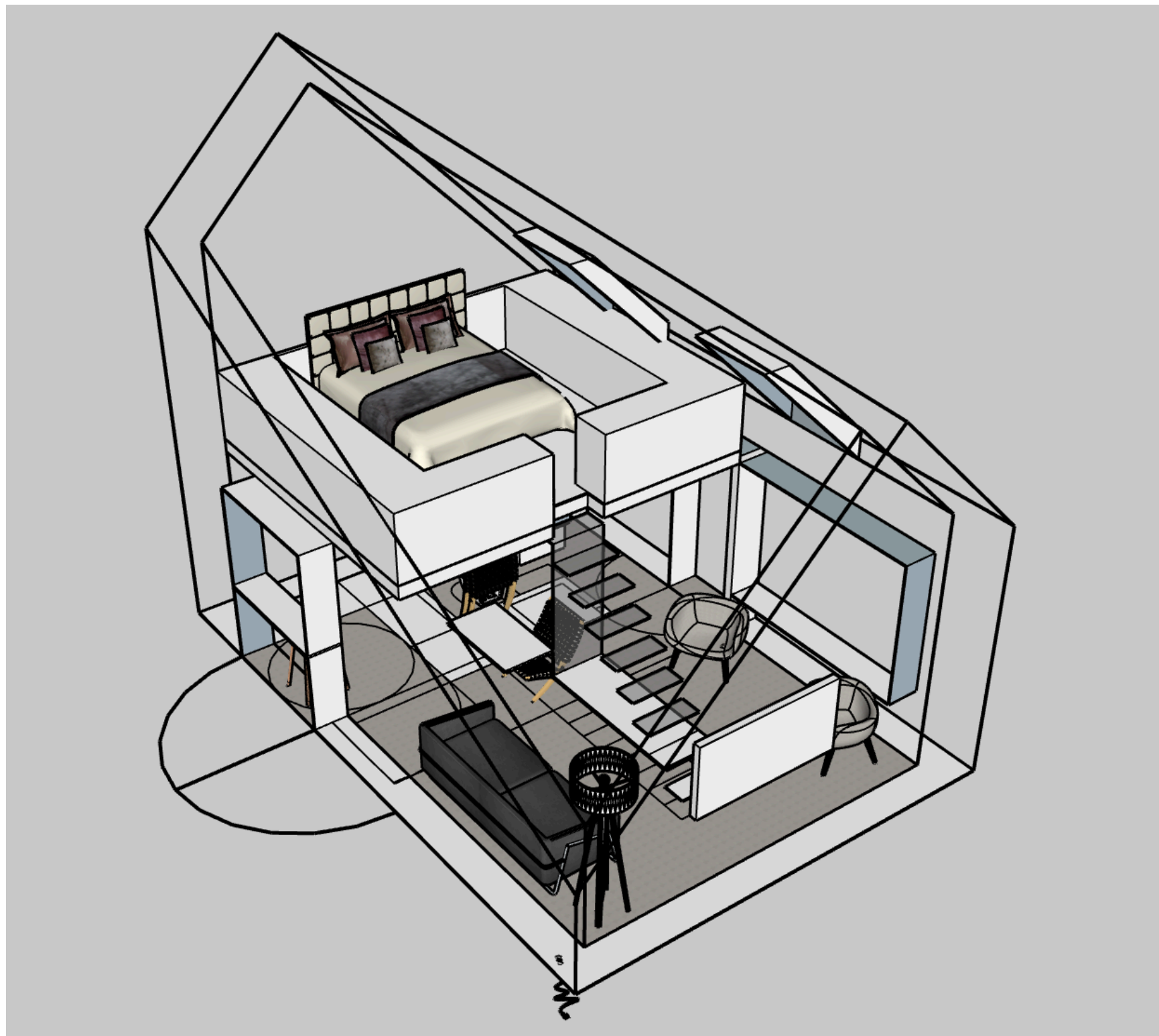
skeleton



skeleton



skeleton



section



section



section



section



section



section



internal

internal : living room



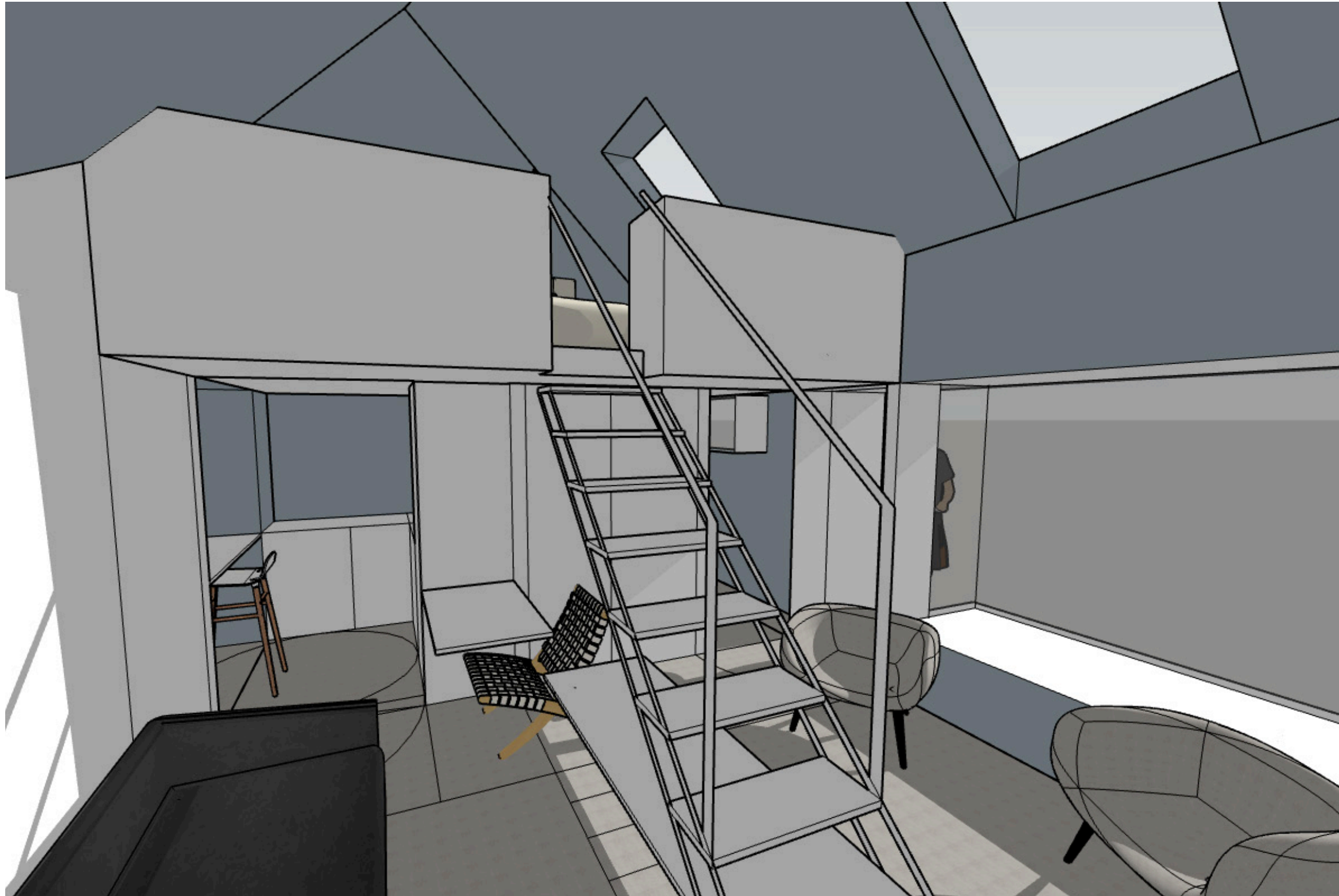
internal : living room



internal : living room



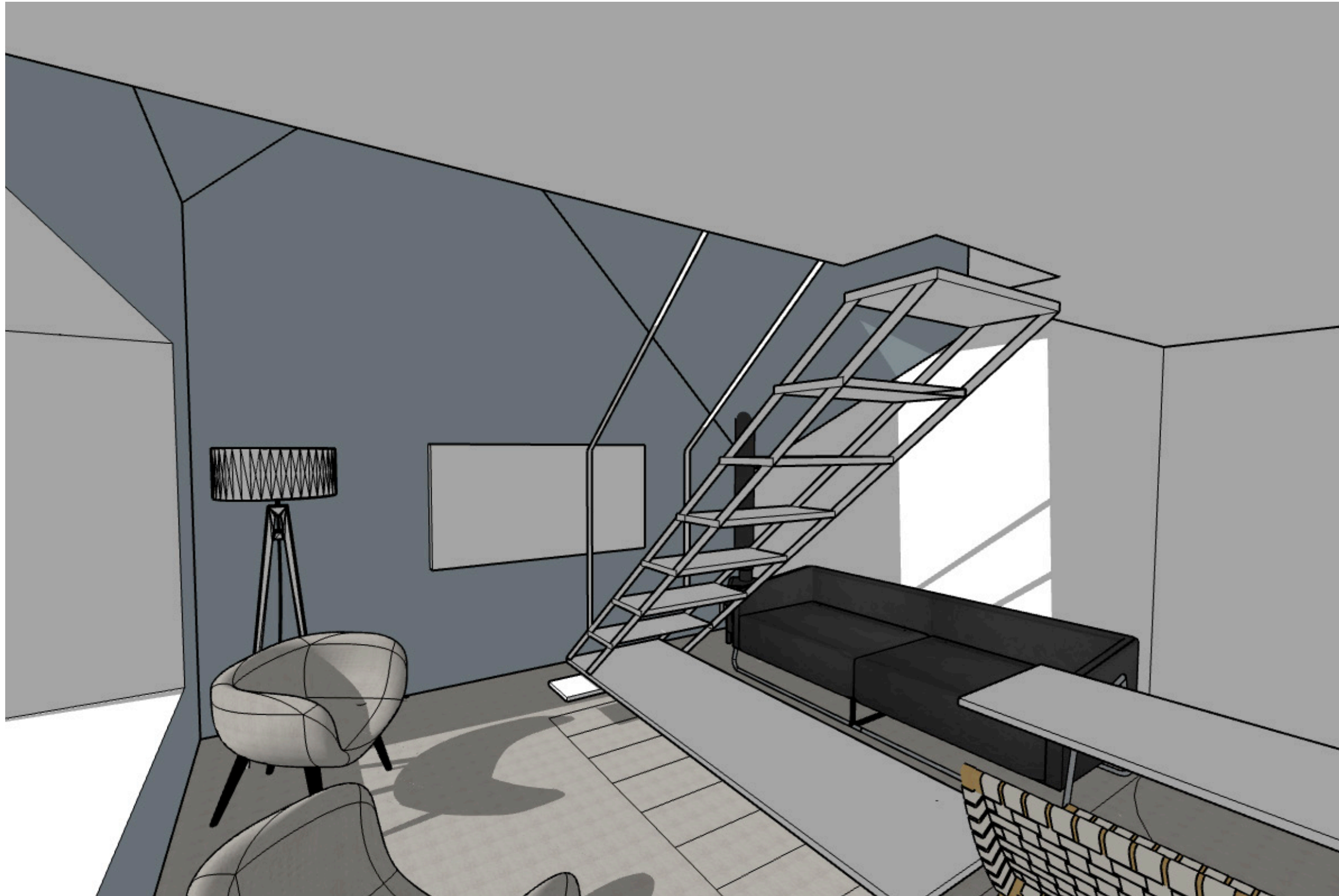
internal : living room



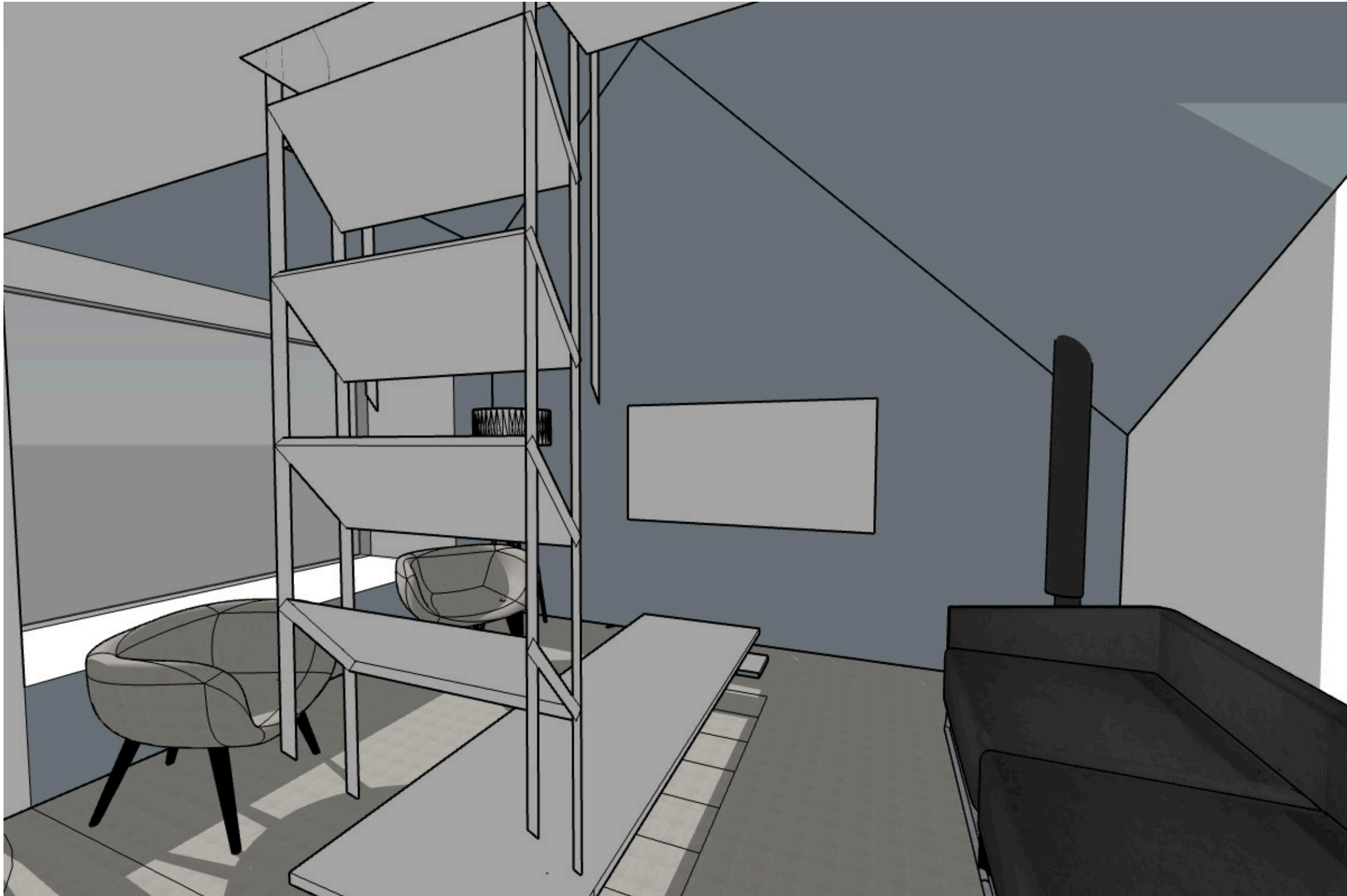
internal : living room



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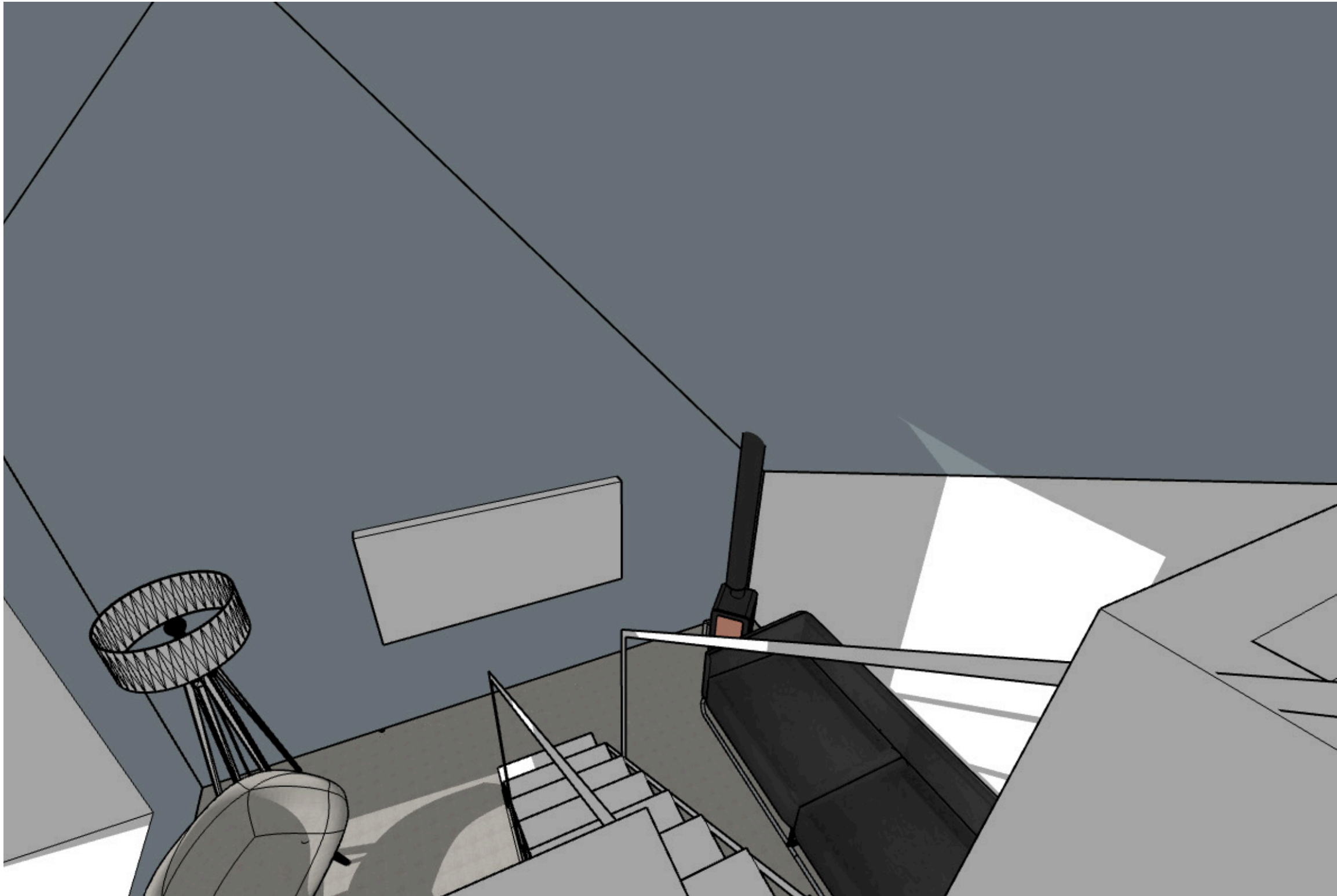
internal : living room



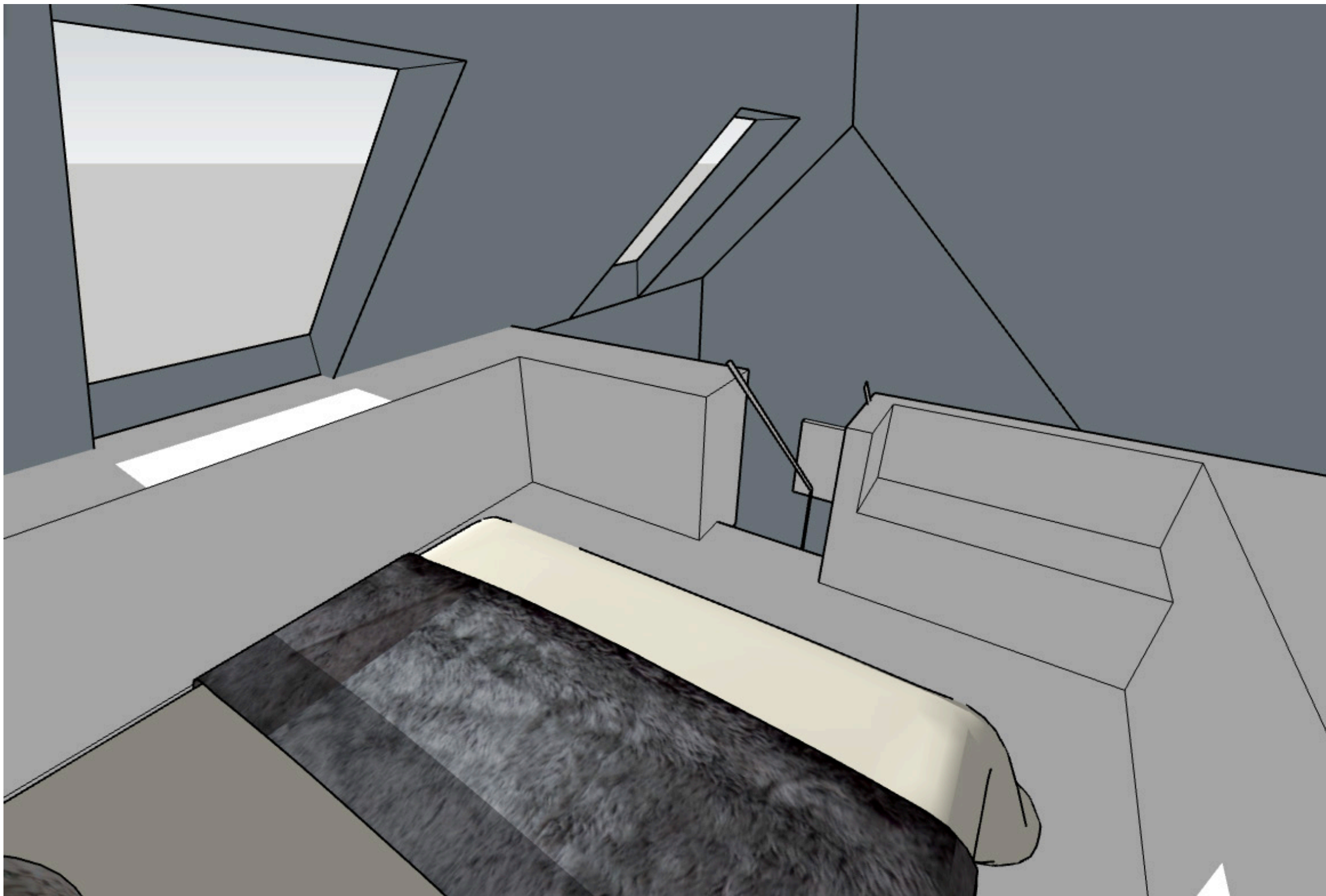
internal : view through kitchen



internal : view down to living room

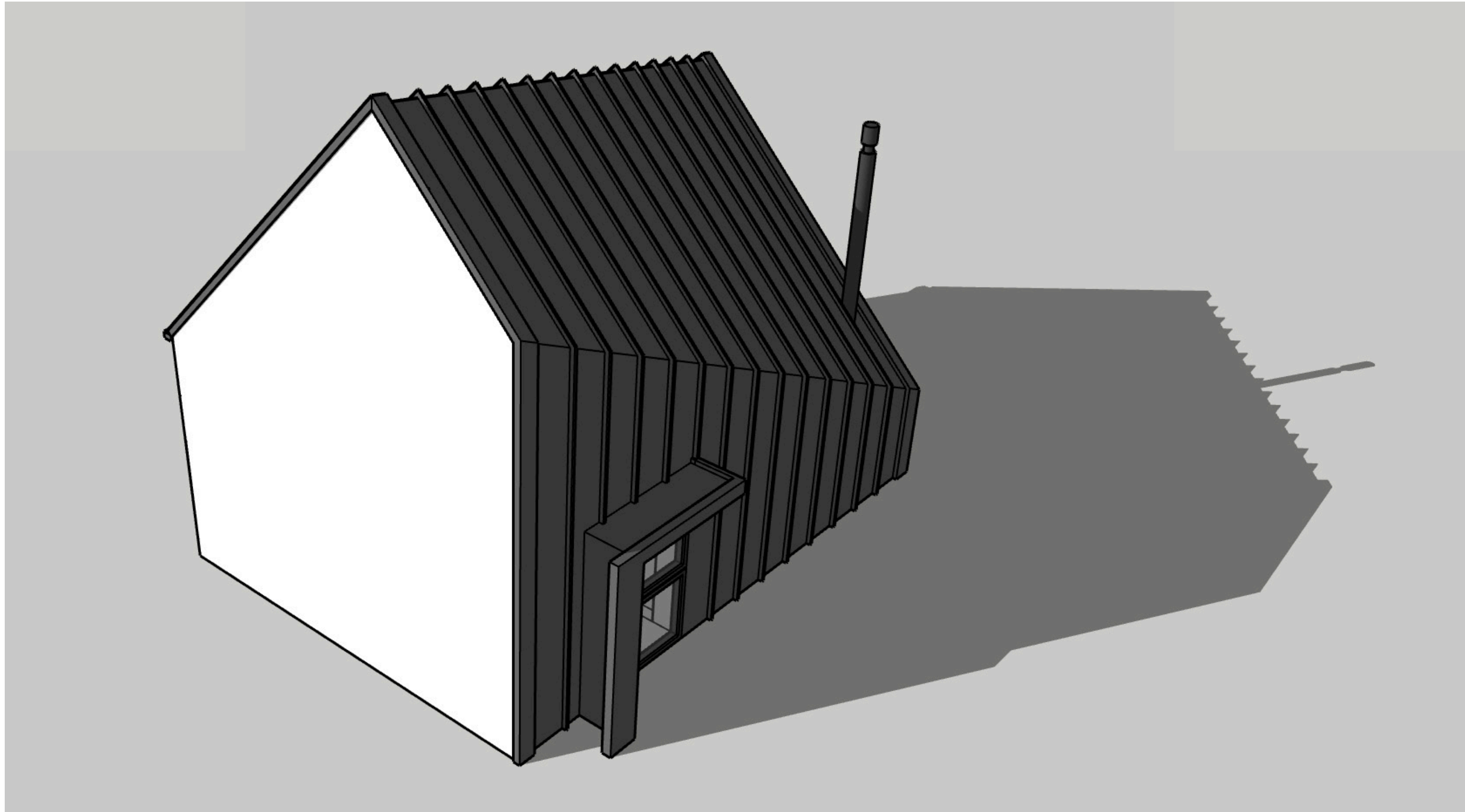


internal : bedroom

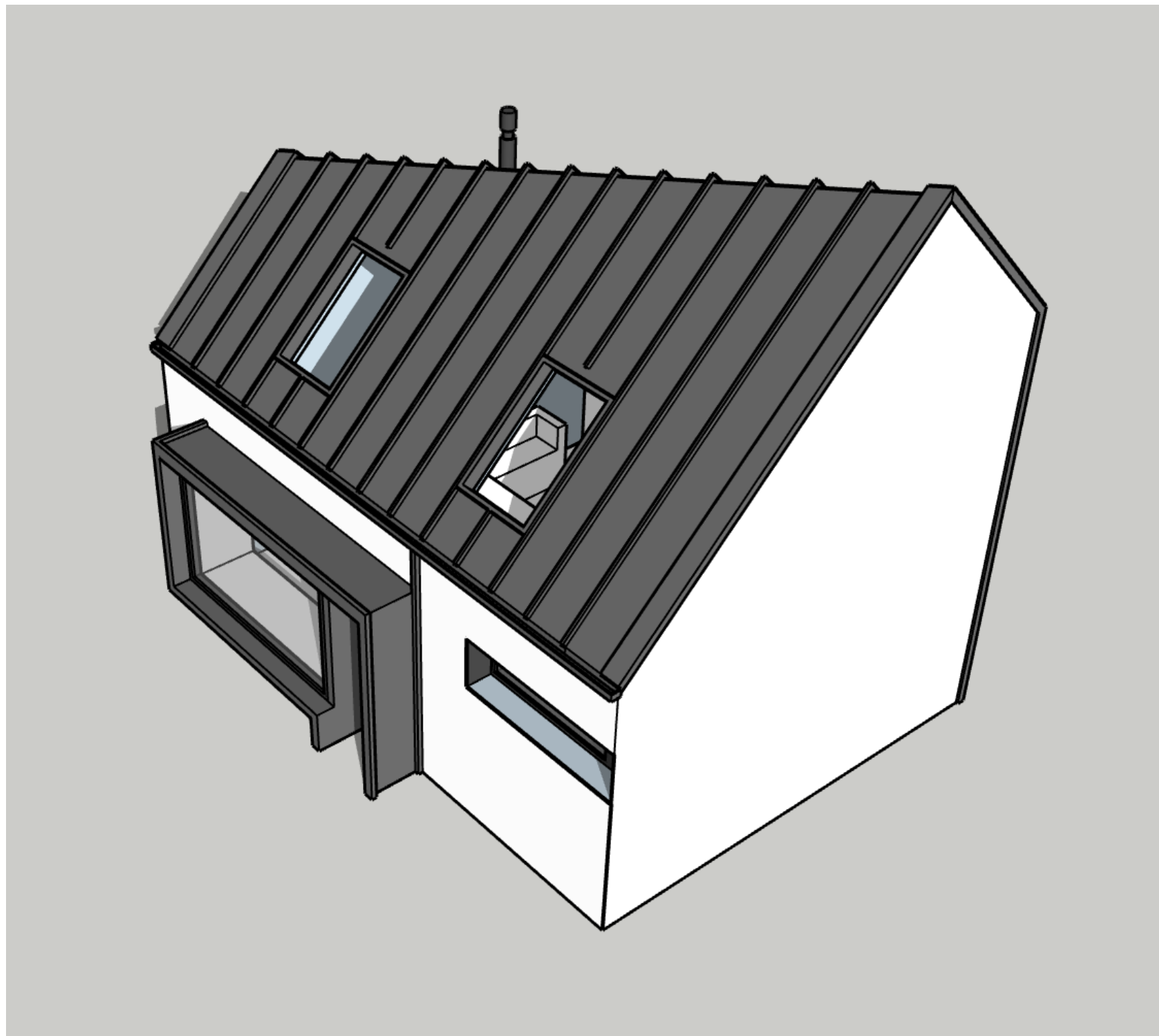


external

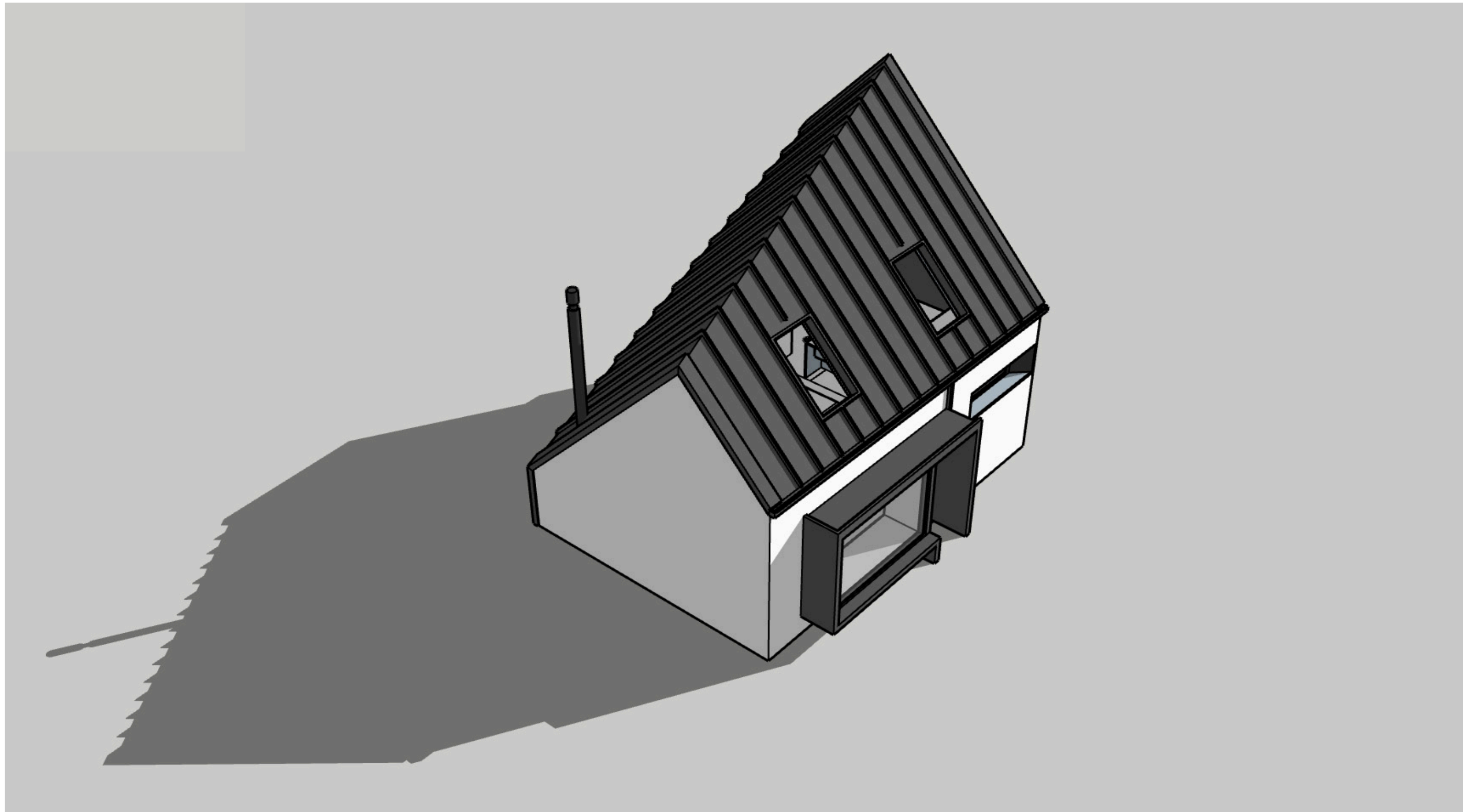
external : north east aerial



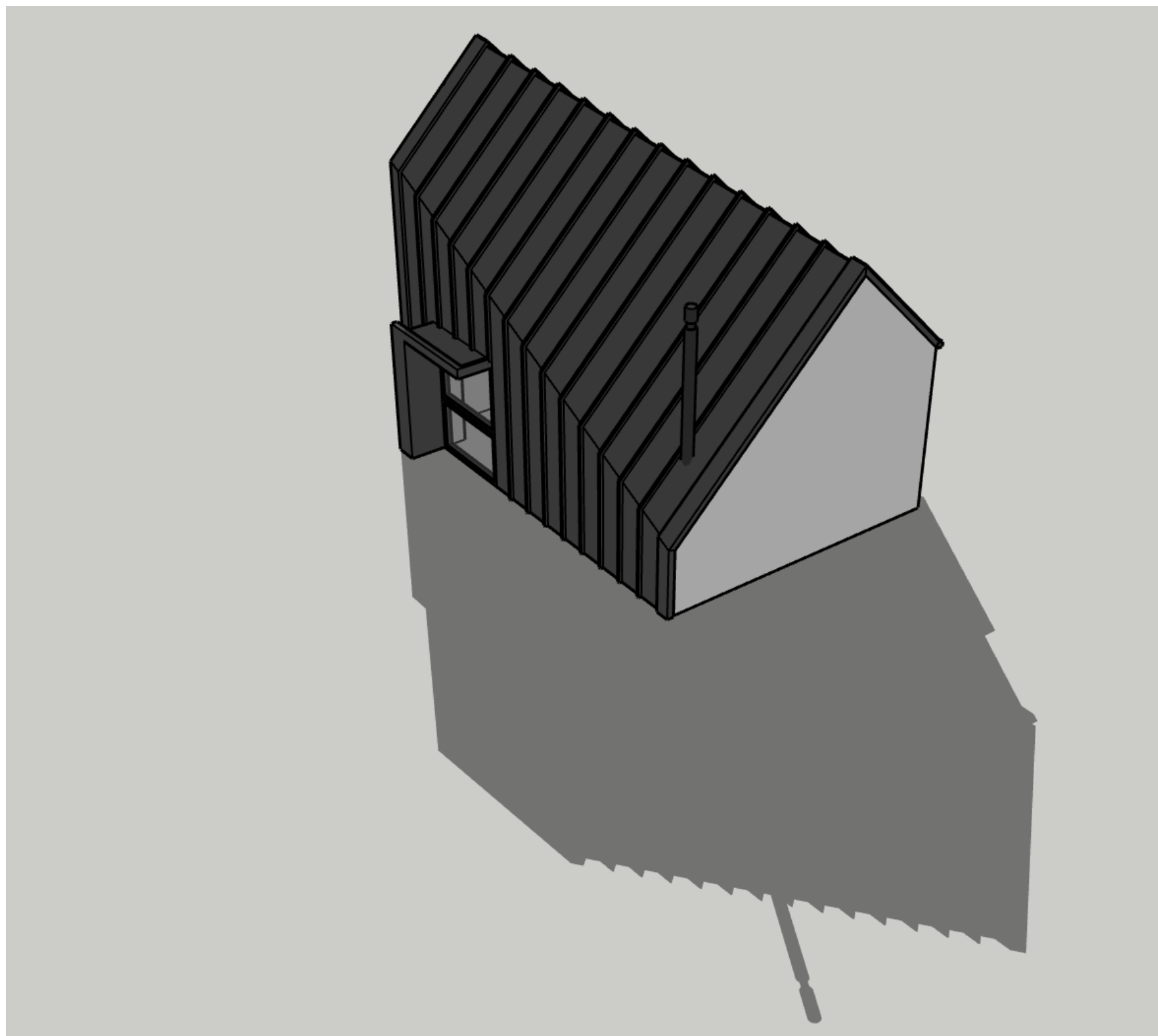
external : south east aerial



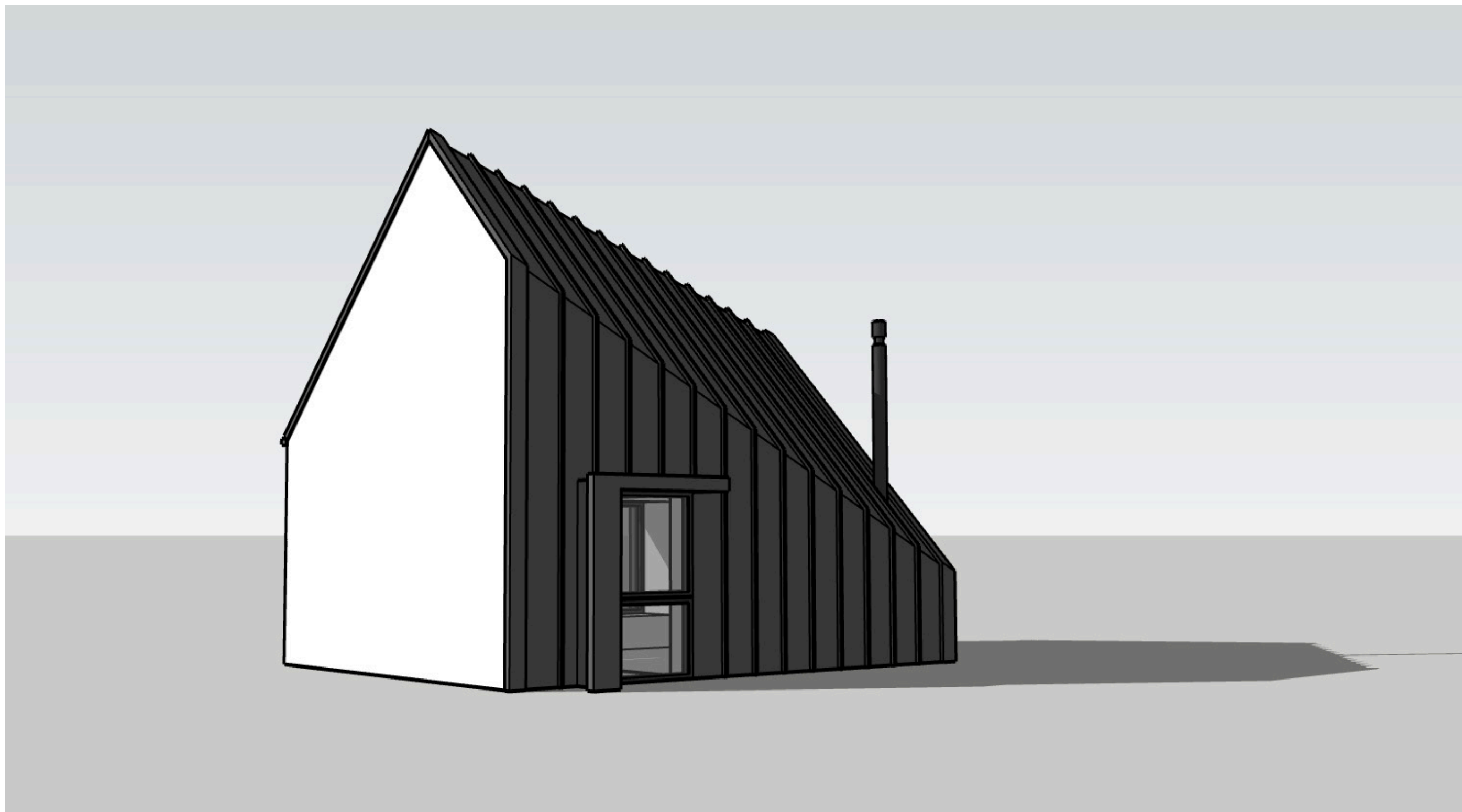
external : south west aerial



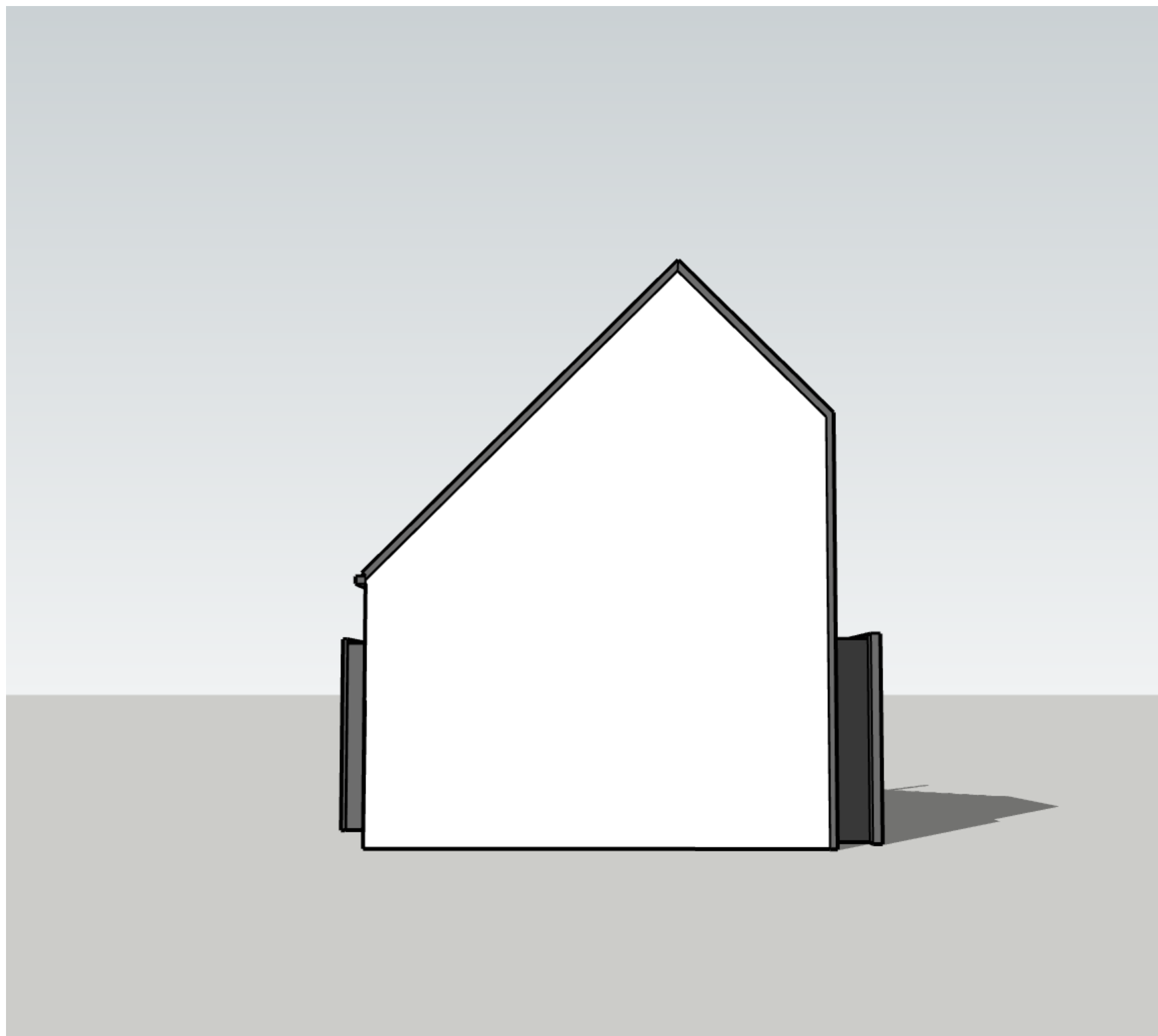
external : north west aerial



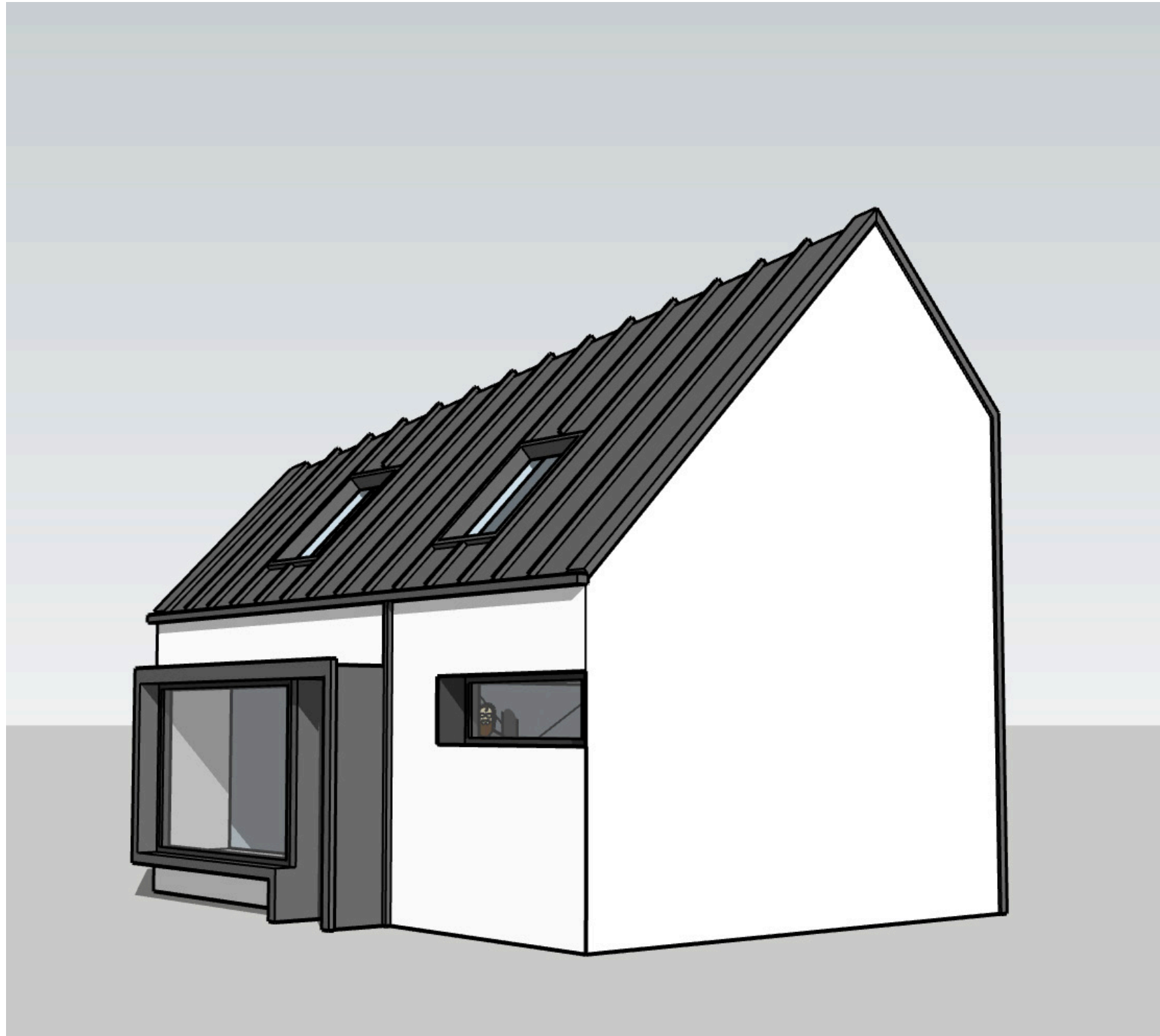
external : north east



external : east



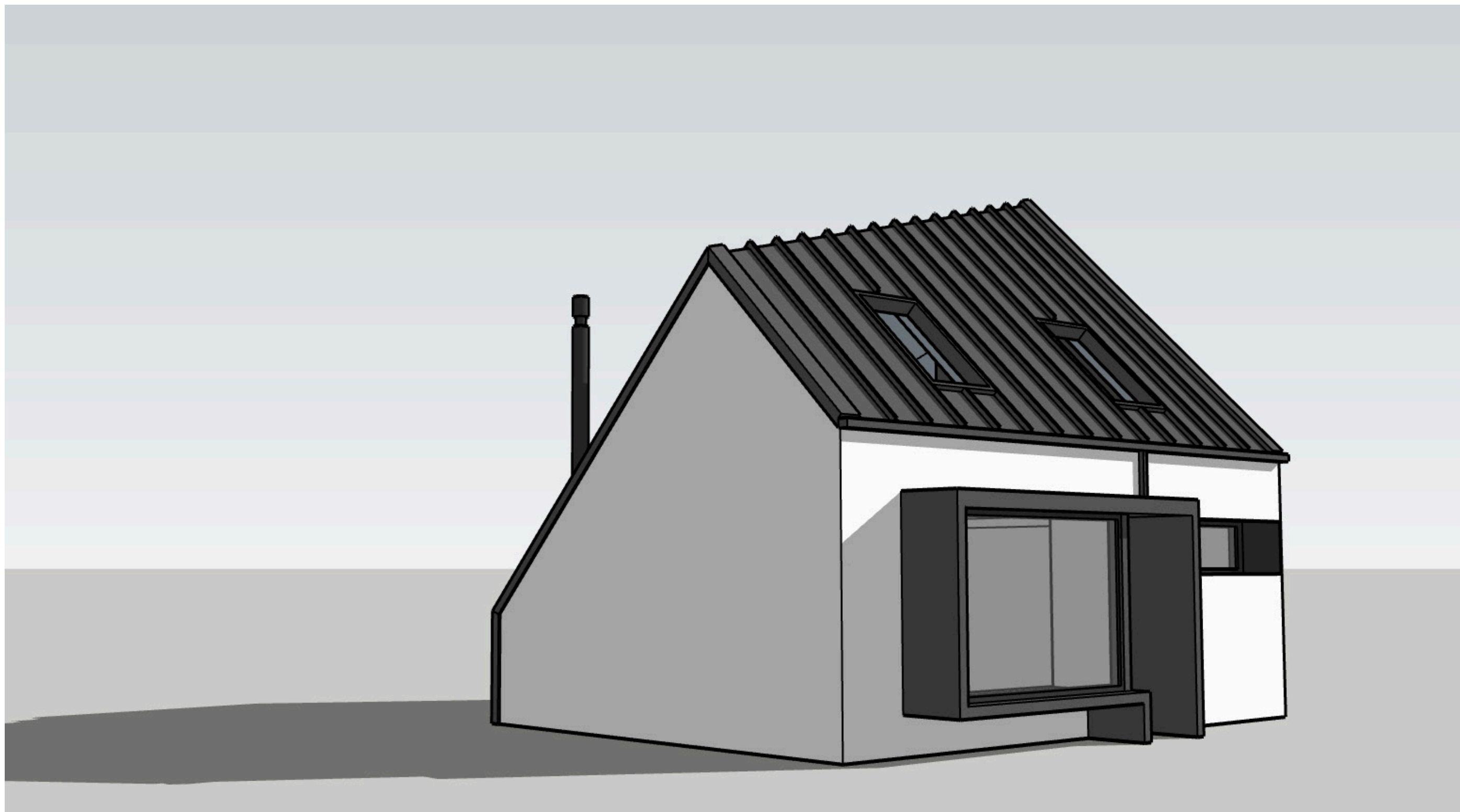
external south east



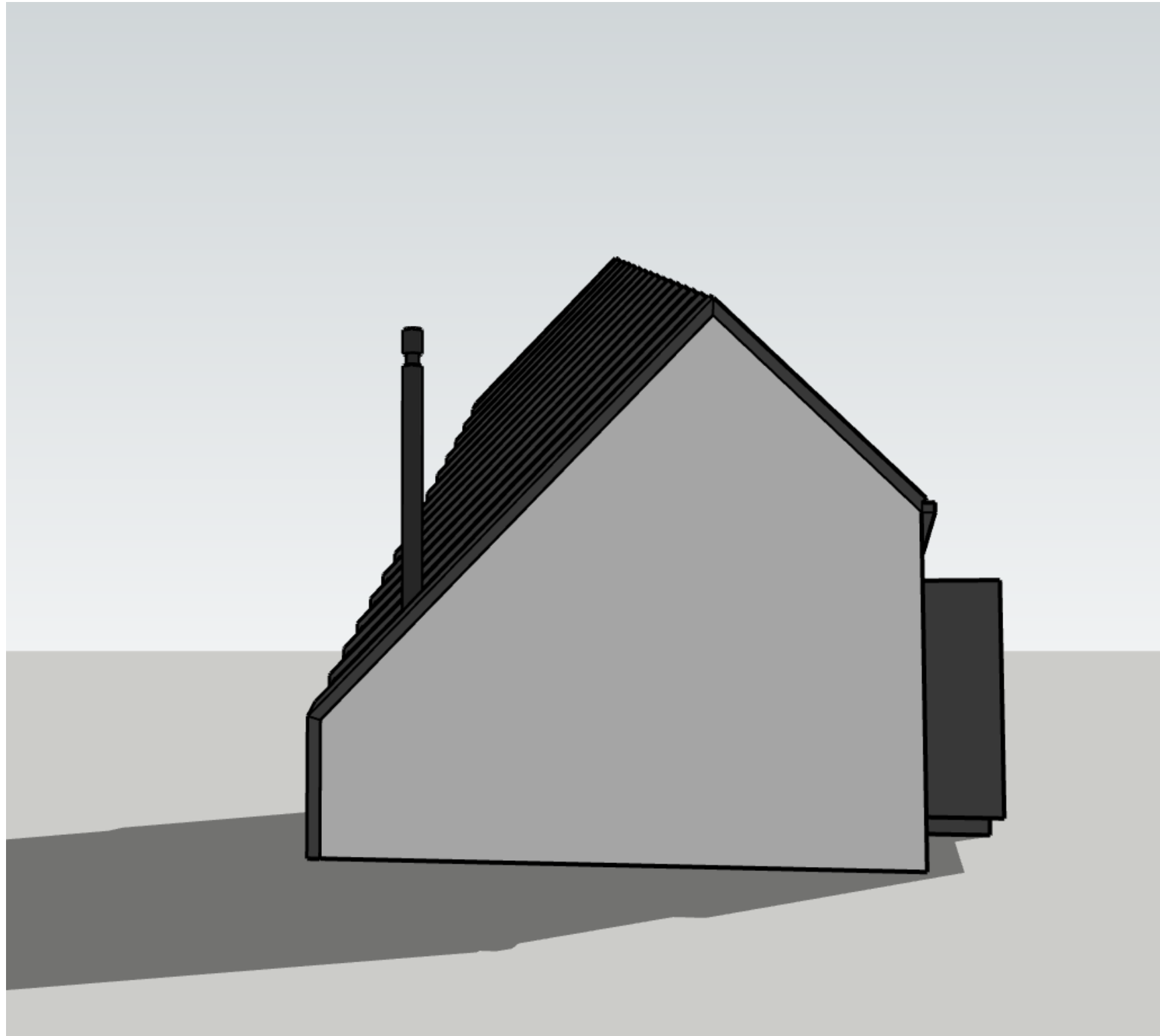
external : south



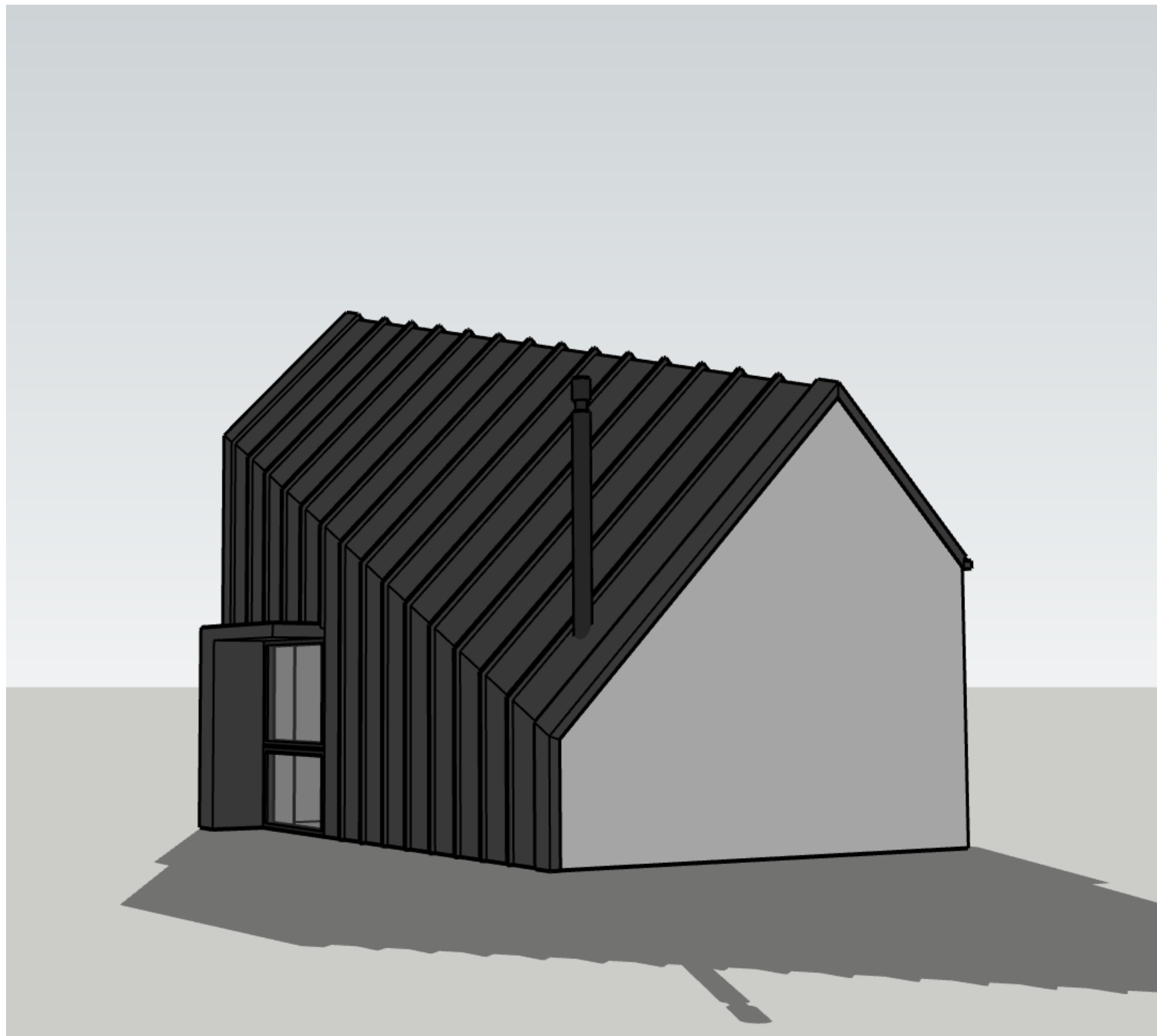
external : south west



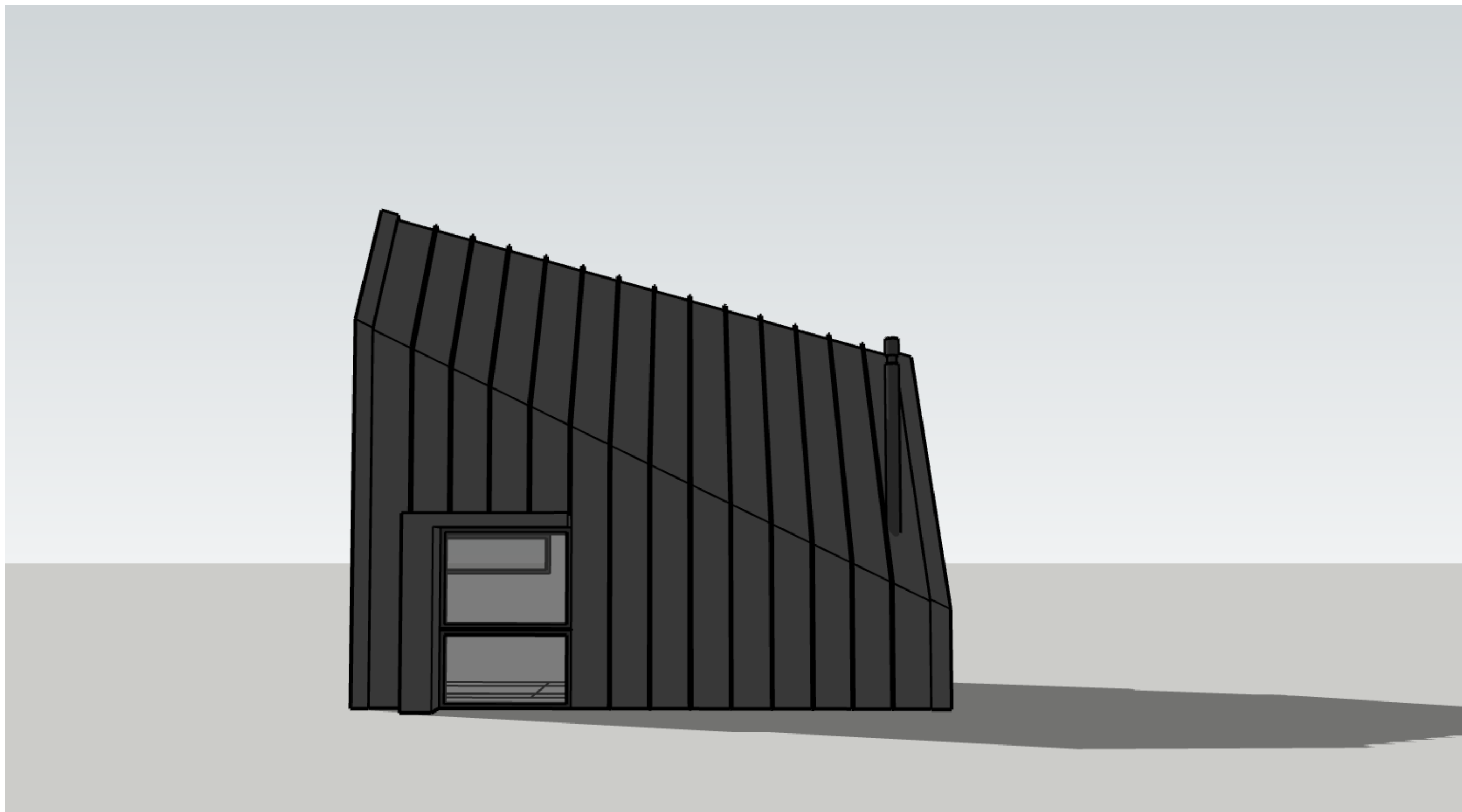
external : west



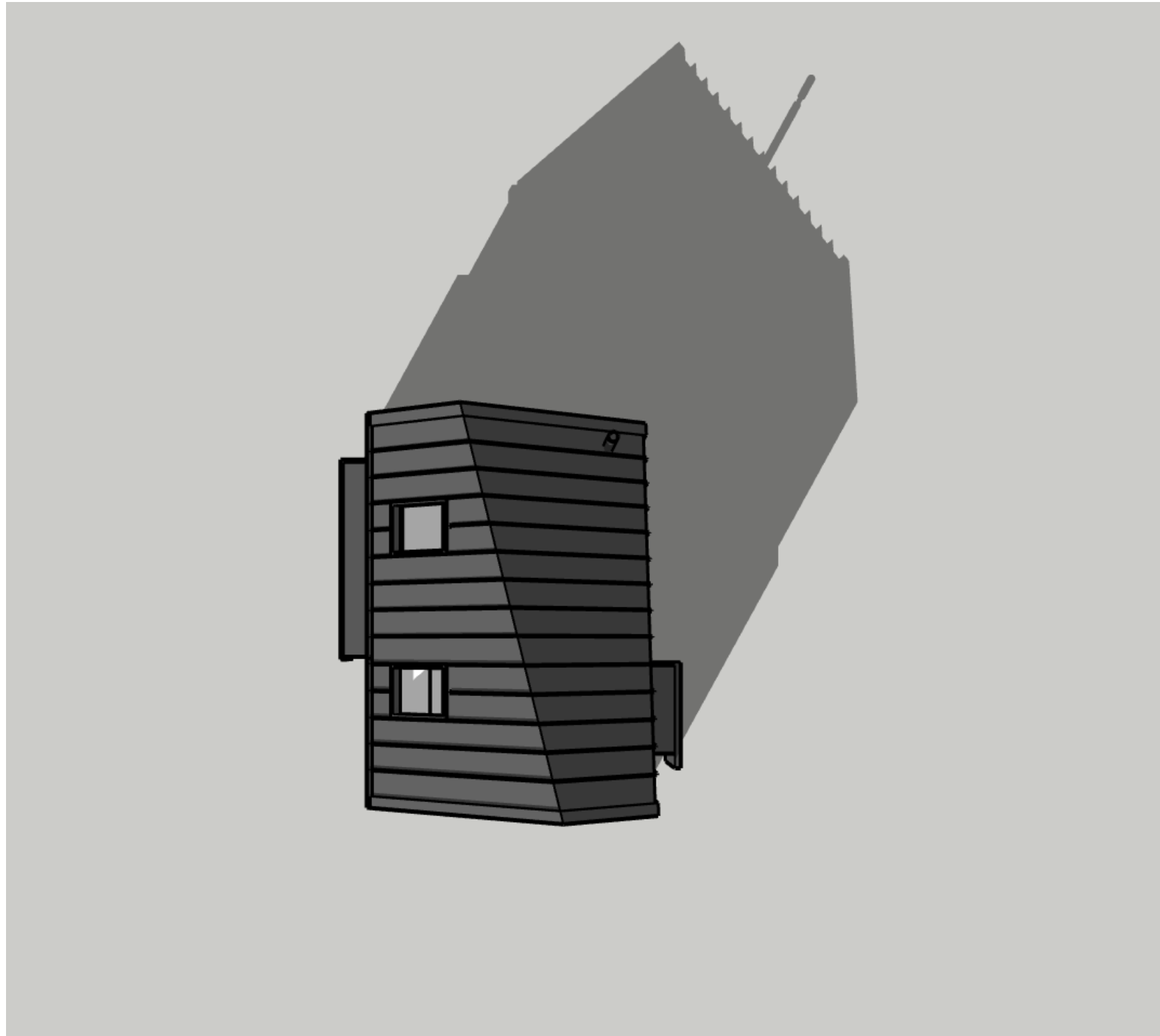
external : north west



external : north

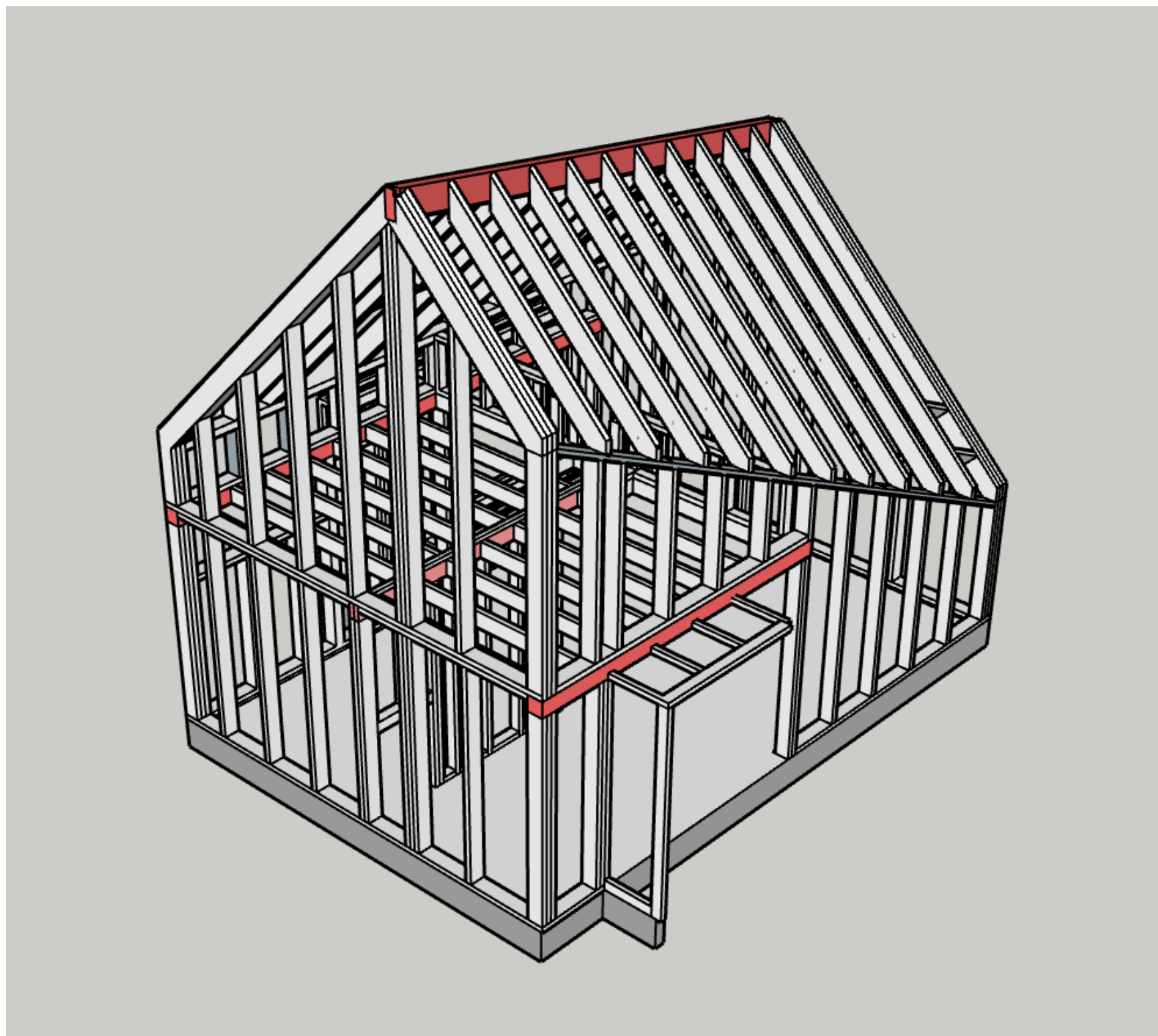


external : aerial

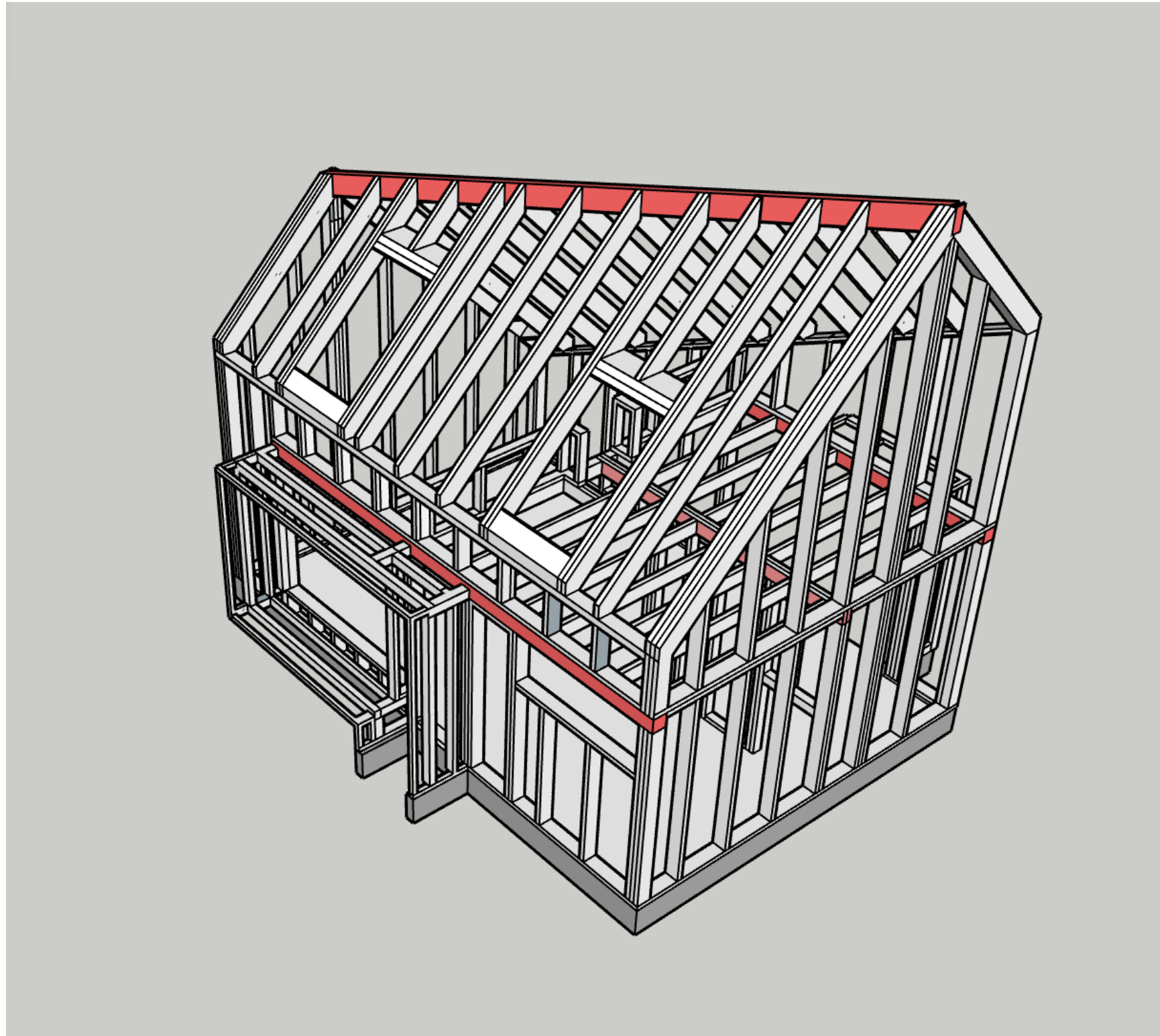


structure

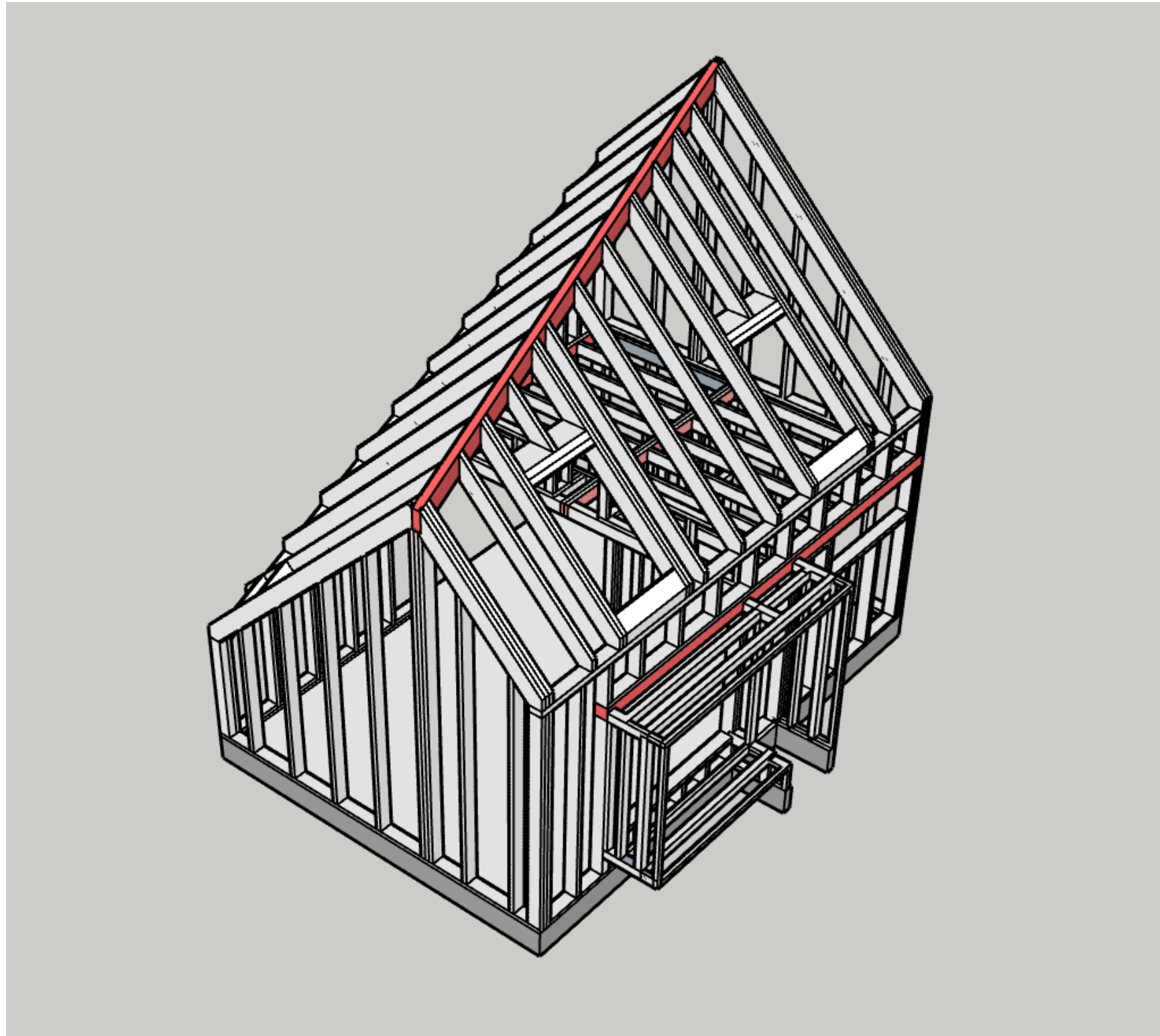
structure : frame from north east



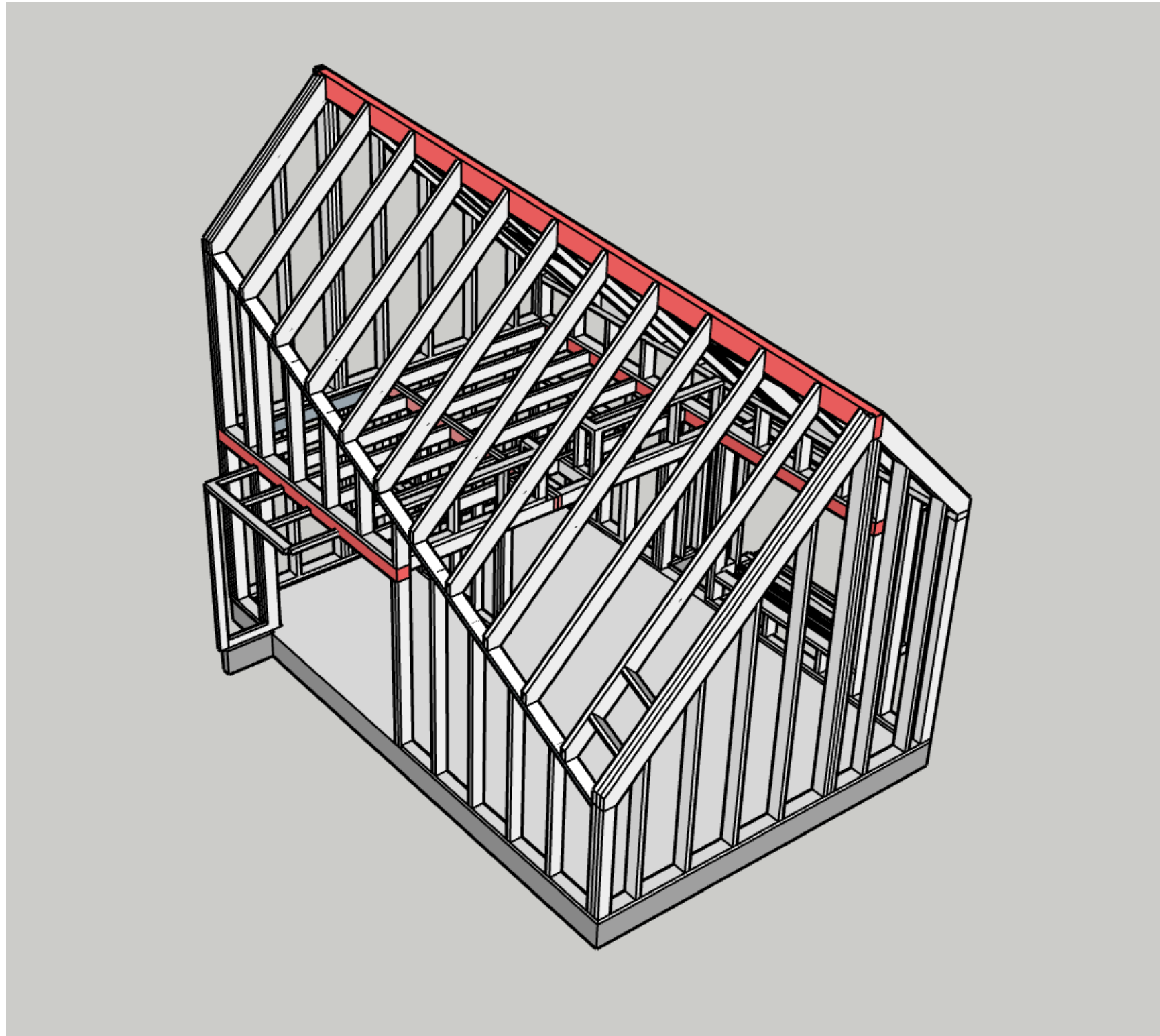
structure : frame from south east



structure : frame from south west

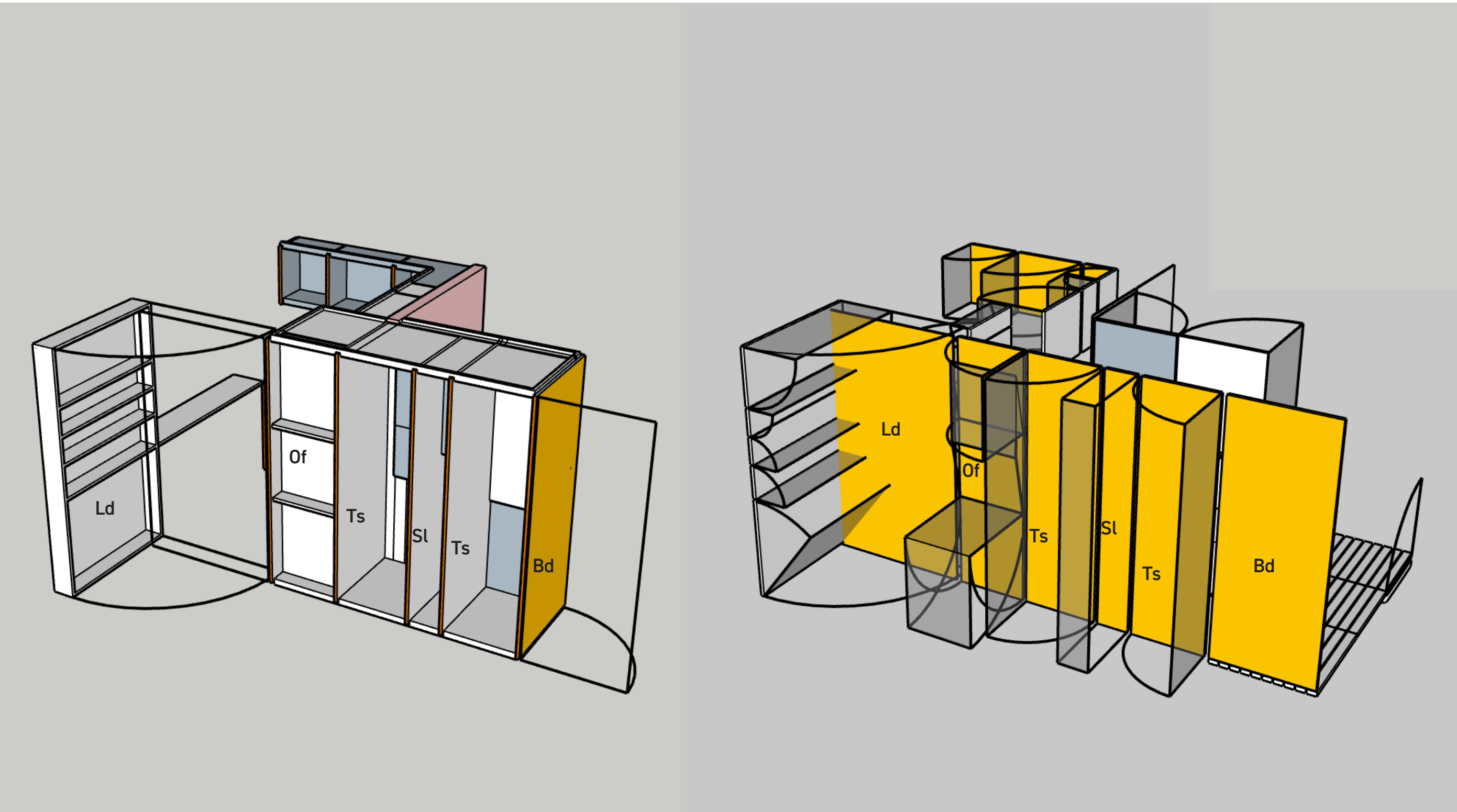


structure : frame from north west



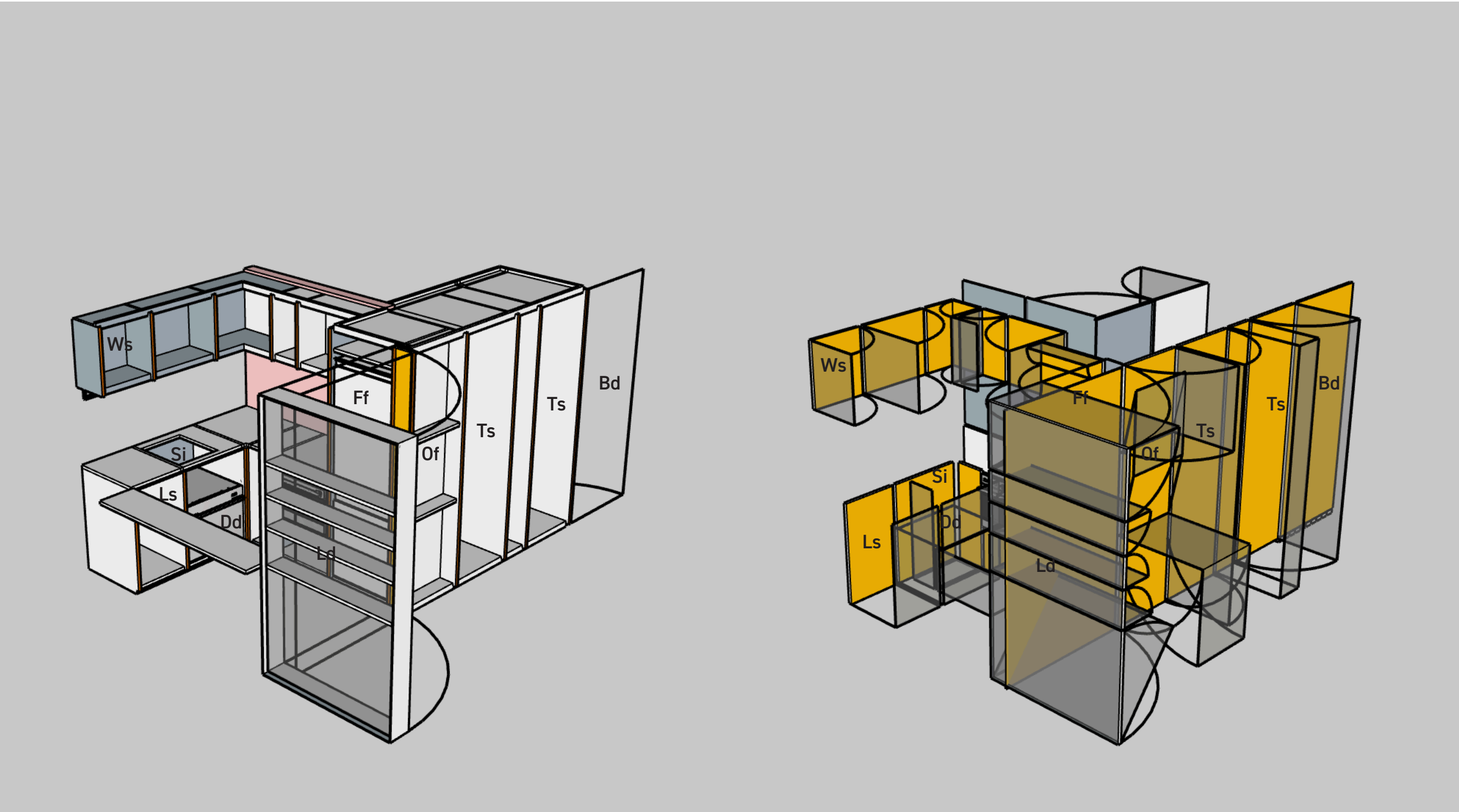
occupy

cabinets : facing living area



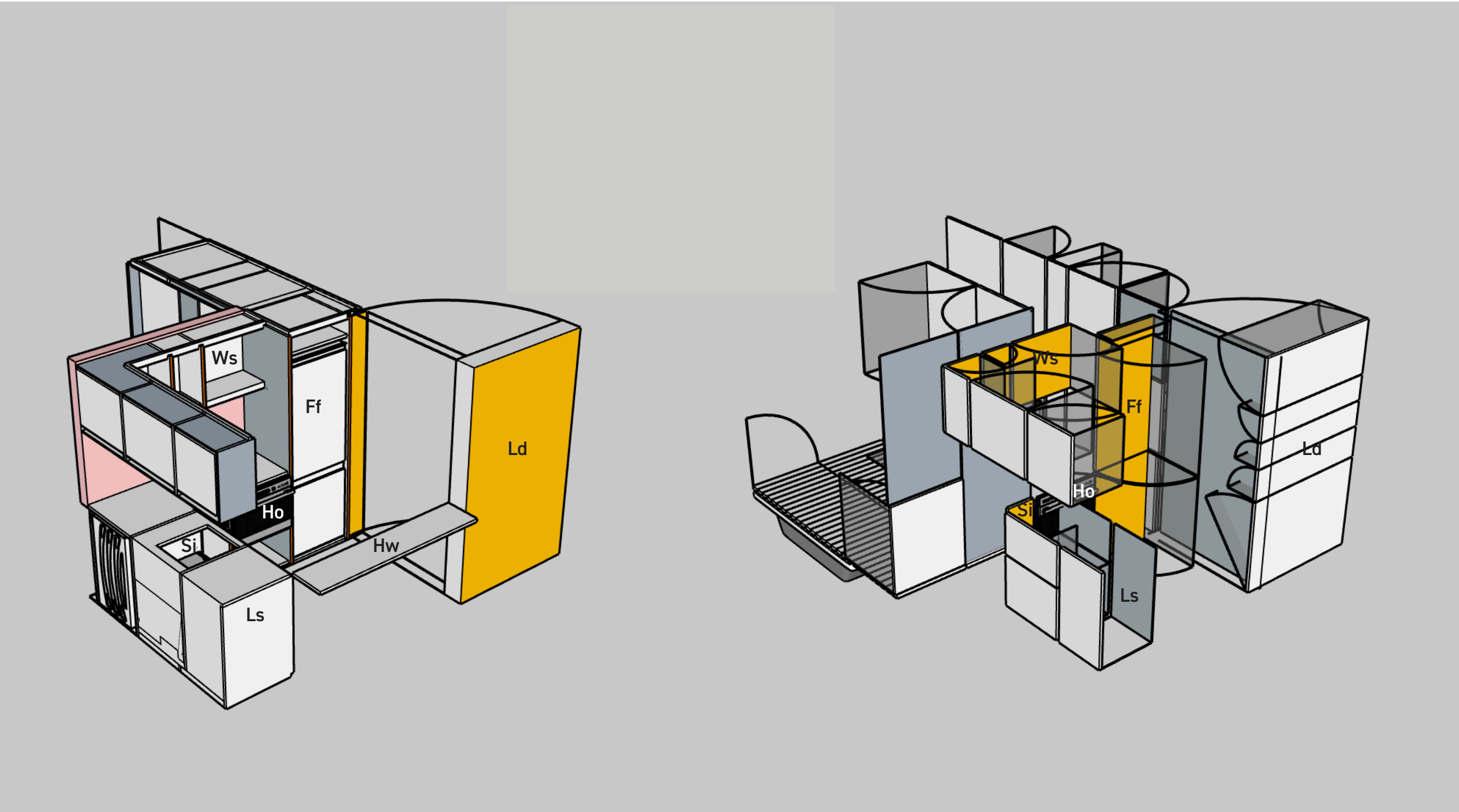
Ld	Larder door	150mm deep x 1200mm wide shelving with hinged leaves, pivot hinge bins at base
Of	Office	750 x 600 fold down desk/dining table, 150mm deep shelved recesses
Ts	Tall storage	2000 x 600 x 600 deep cupboard, hinged leaf
Sl	Slide out rack	250 wide x 2000 x 600 deep pull out racks
Ts	Tall storage	2000 x 600 x 600 deep cupboard, hinged leaf
Bd	Bathroom door	Door leaf with 150mm hanging recess

cabinets : into kitchen



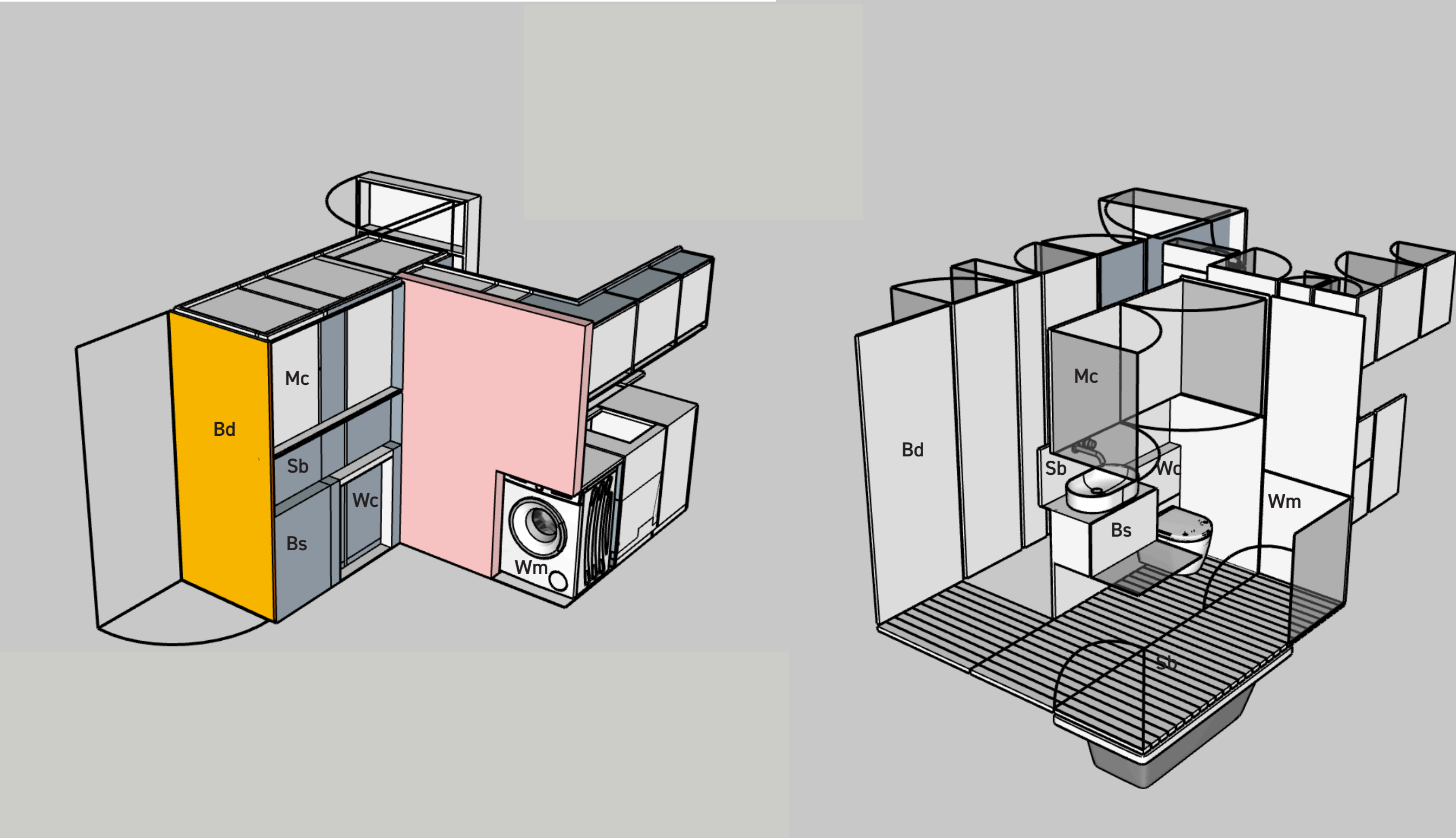
Ws	Wall storage	300mm deep x 450 high, 2700mm wide wall cupboards with hinged leaves, exposed hanging rail under
Si	Sink + drainer	Undermounted sink and drainer, splashback mounted tap
Ls	Low storage	600 deep under counter storage, 800 and 400 deep, both 600mm wide, pull out cages
Dd	Dish drawer	Integrated 350mm deep dishdrawer
Ff	Fridge freezer	Integrated fridge over freezer
Ho	Hob + oven	Hob with integrated oven under

cabinets : kitchen



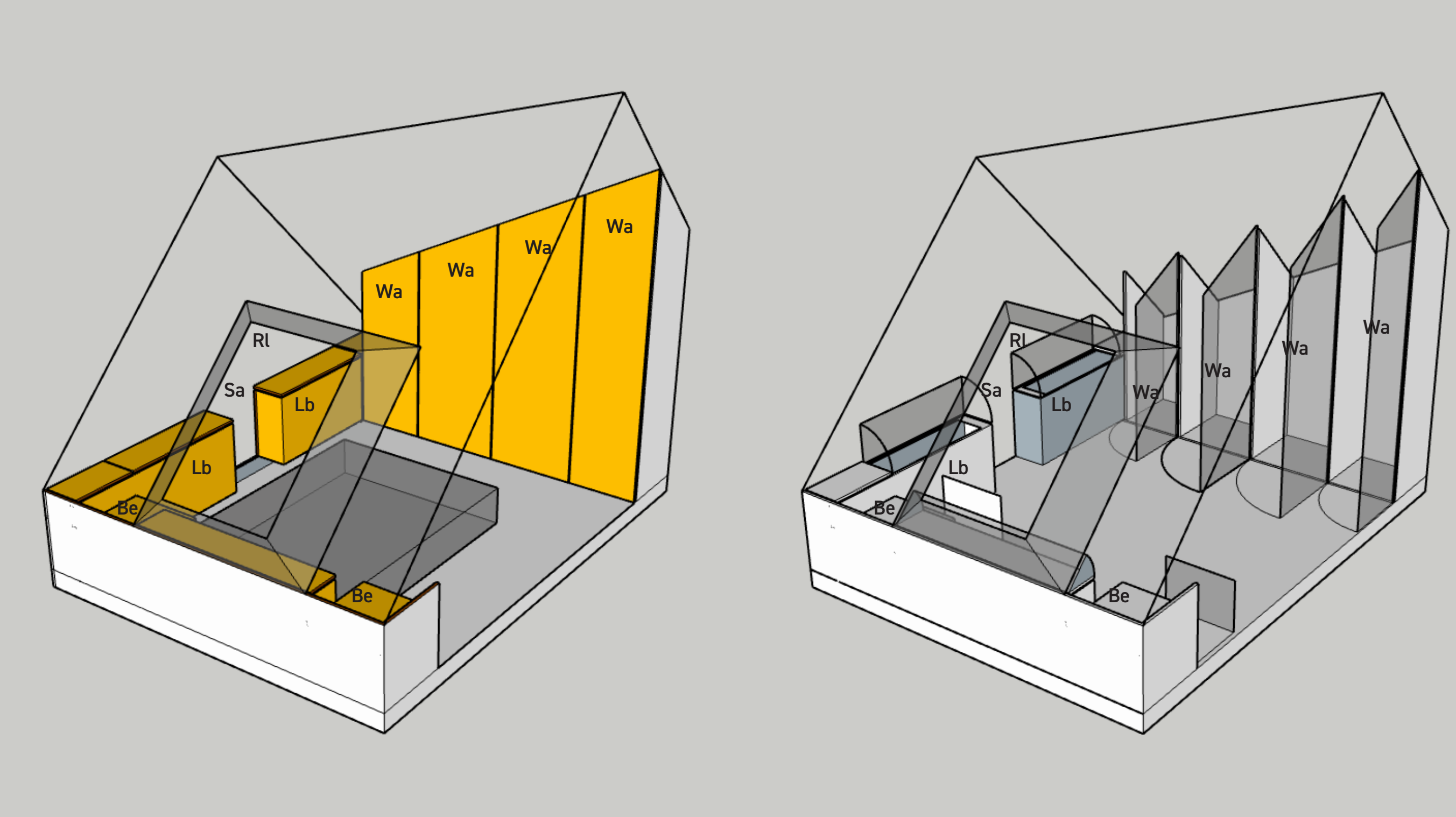
Ws	Wall storage	300mm deep x 450 high, 2700mm wide wall cupboards with hinged leaves, exposed hanging rail under
Si	Sink + drainer	Undermounted sink and drainer, splashback mounted tap
Ls	Low storage	600 deep under counter storage, 800 and 400 deep, both 600mm wide, pull out cages
Hw	Hinged surface	Wall hinged 400 deep work surface, withdraws to allow Dutch door access
Dd	Dish drawer	Integrated 350mm deep dishdrawer
Ff	Fridge freezer	Integrated fridge over freezer
Ho	Hob + oven	Hob with integrated oven under

cabinets : bathroom



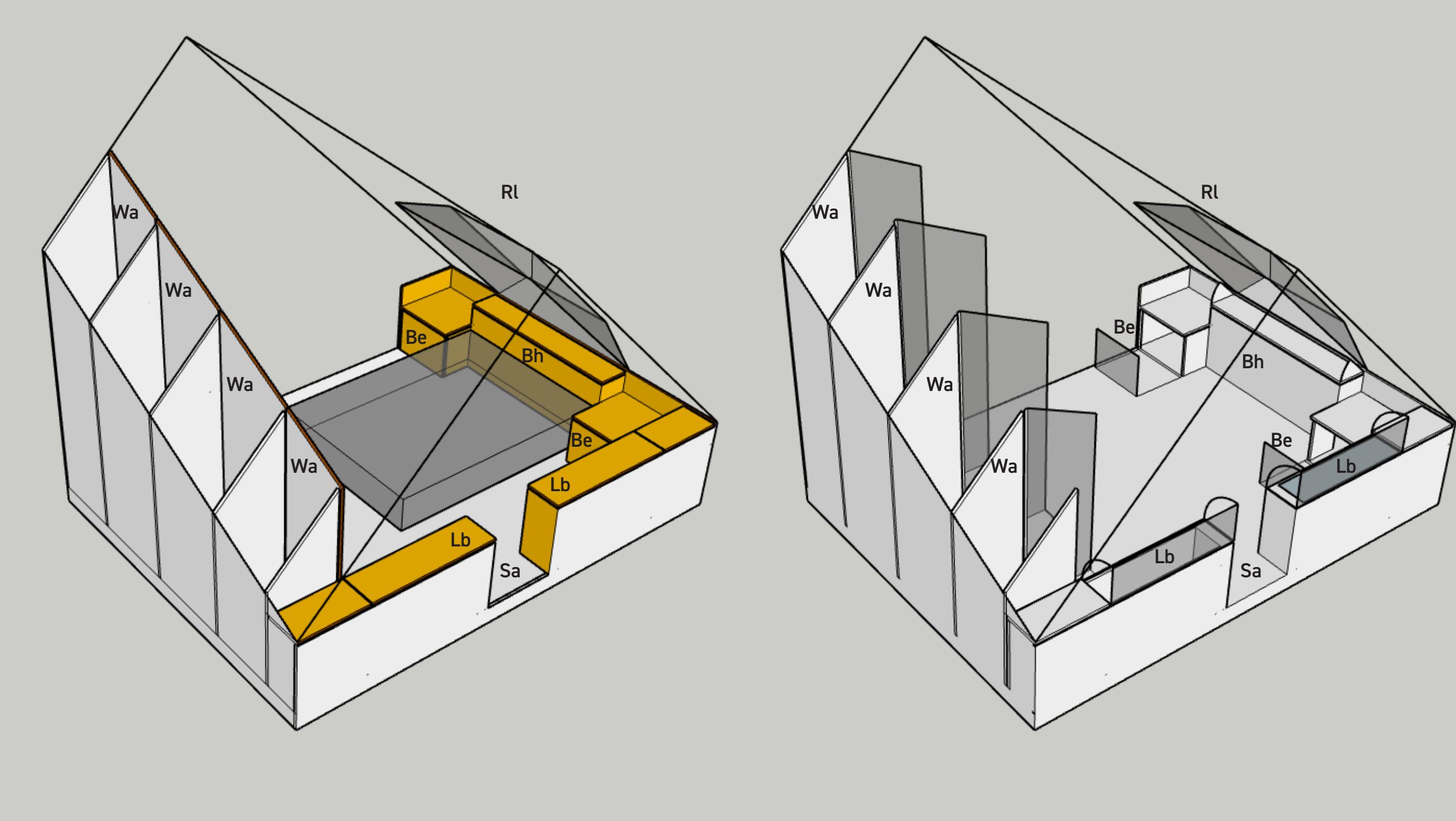
Bd	Bathroom door	Door leaf with 150mm recess to rear for dry hanging
Mc	Mirror cabinets	150mm deep, 1300 x 800 hinged mirror faced cabinets
Sb	Splashback	Feature illuminated splashback, wall mounted taps
Bs	Basin + storage	Sit on wash hand basin, storage under with hinged leaf
Wc	WC + cistern	Wall hung toilet with integrated concealed cistern
Wm	Washing machine	Washing machine with hinged integrated door
Sr	Shower / bath	Level drain through flooring, optional recessed bath under hinged panel

cabinets : bedroom



Lb	Laundry bin	Top hinged access with removeable sleeves
Sa	Stair access	Stair entry to space
Wa	Wardrobe	Full height, from 1600 to 2800mm, 600 wide, 600 deep
Be	Bedside table	600 x 600 surface with sliding access to storage below
Bh	Bedhead	Double bed width bedhead with top access storage
Rl	Rooflight	Rooflight centred over bed position

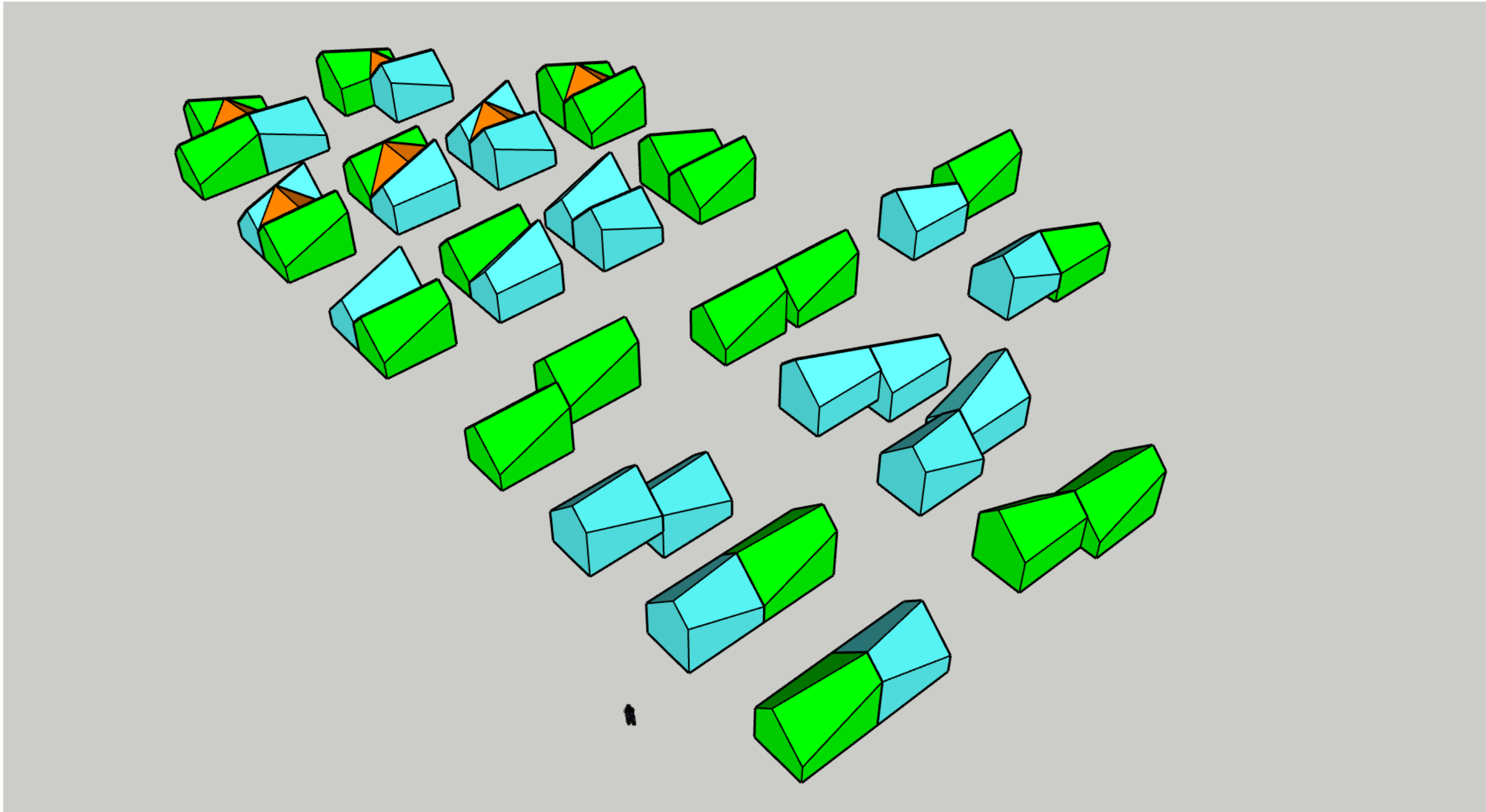
cabinets : bedroom



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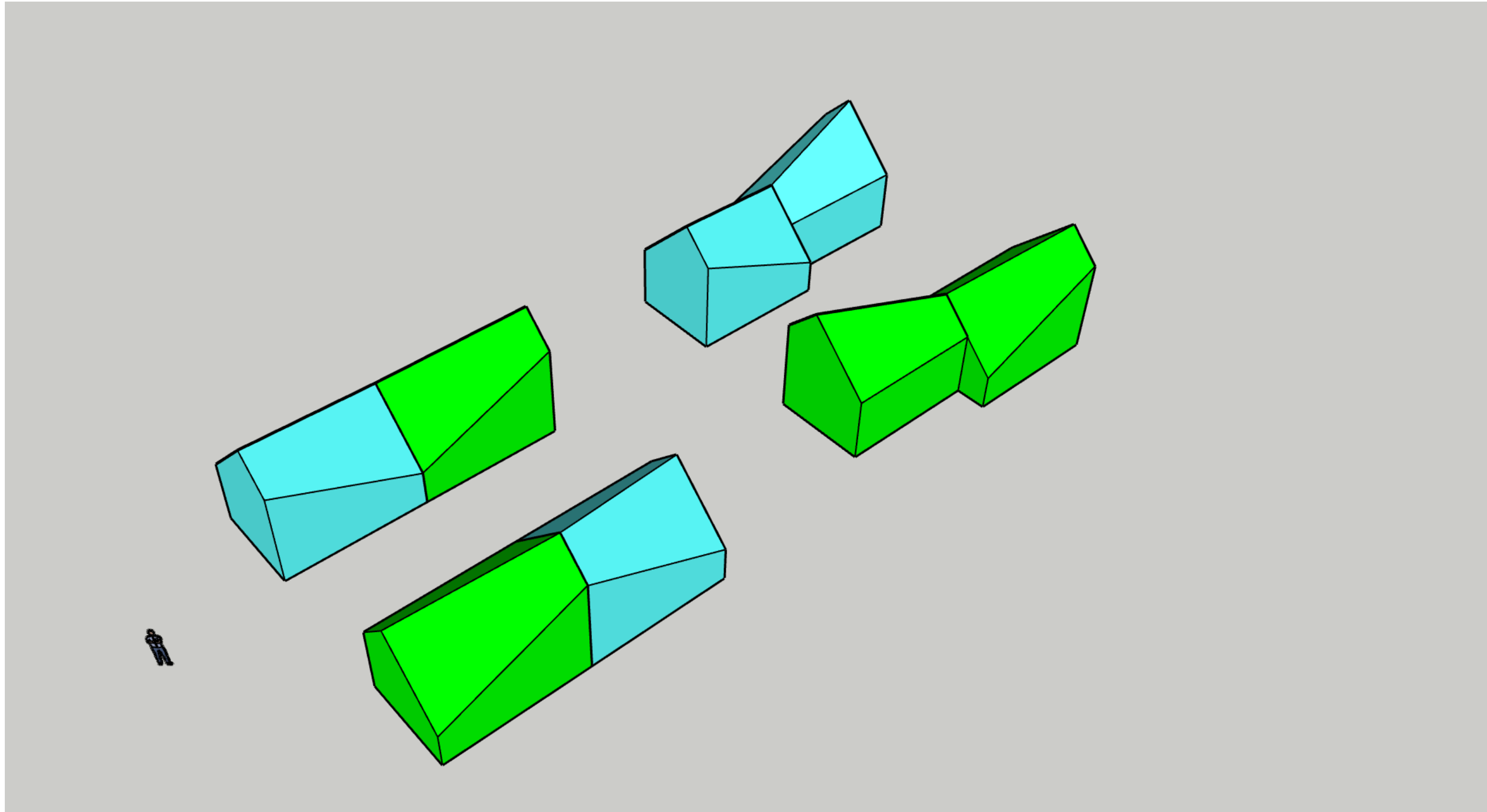
duplicate

duplicate variety



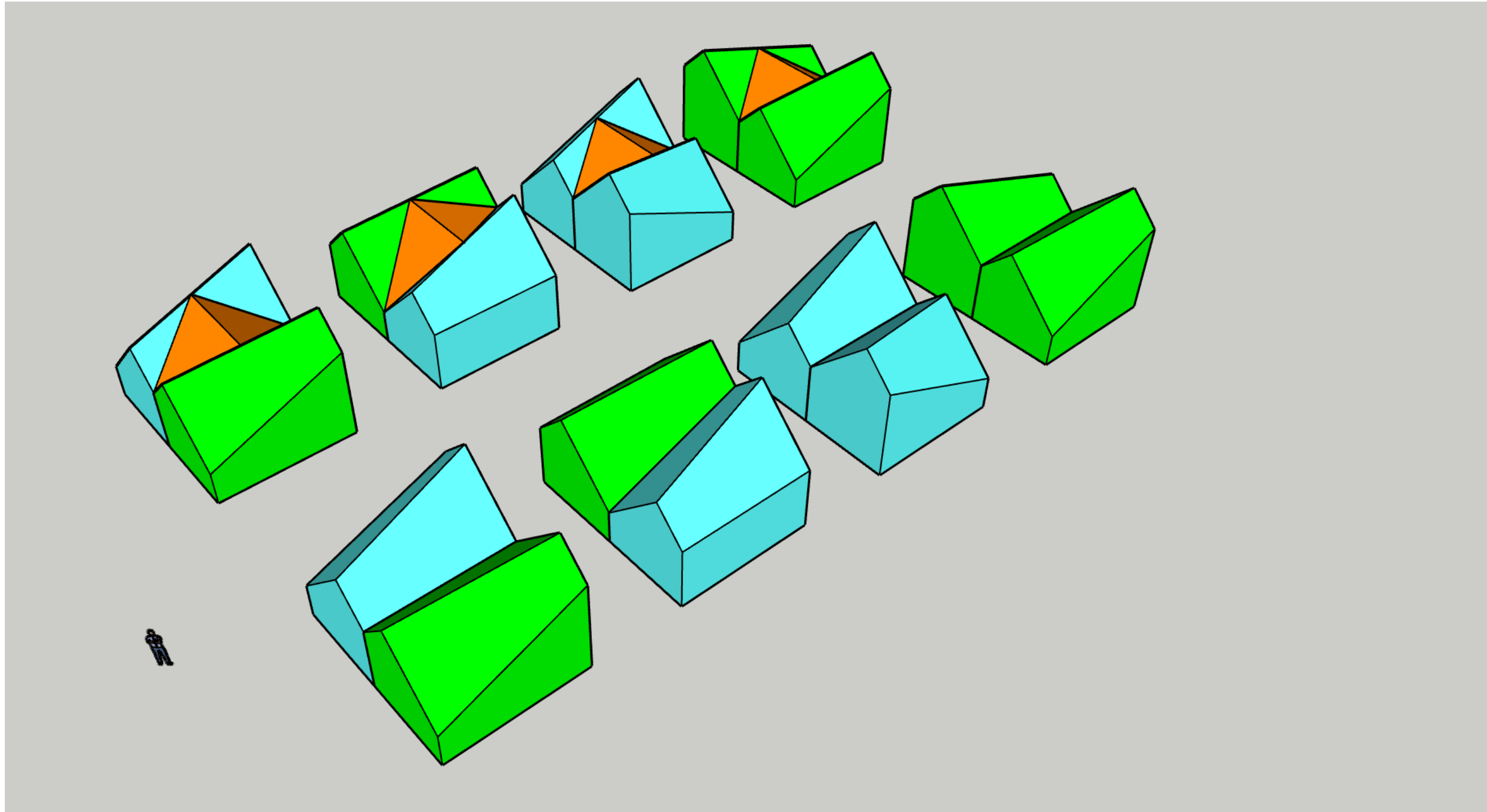
knogs can multiply and be attached to each other, to form blocks of separate dwellings, or larger single dwellings. The geometry has been designed to allow them to link in a variety of directions....

duplicate : end



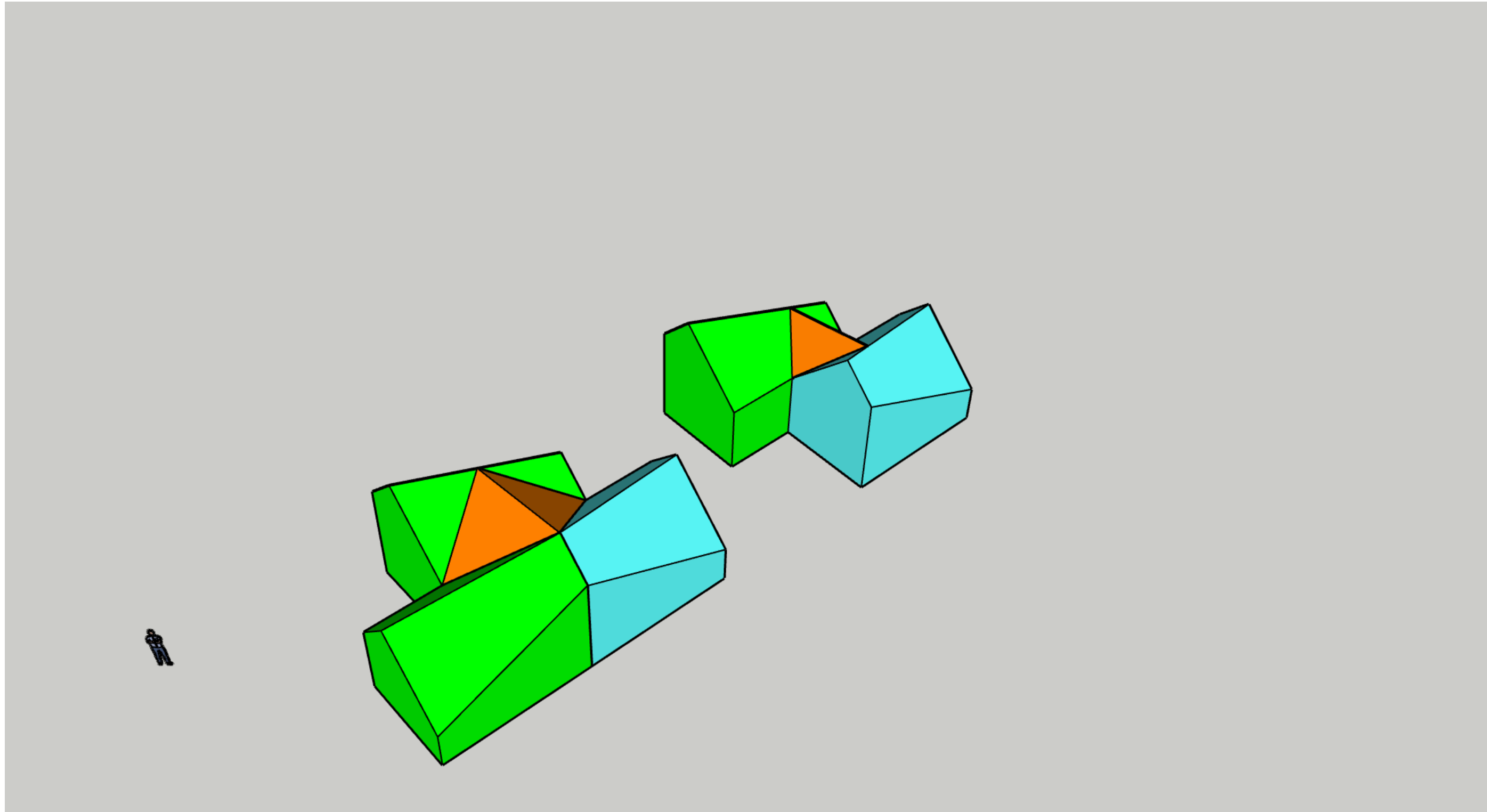
knogs can be linked end to end, either as handed units, creating a mirrored block, or as similar units, allowing blocks to step forwards and backwards

duplicate : side



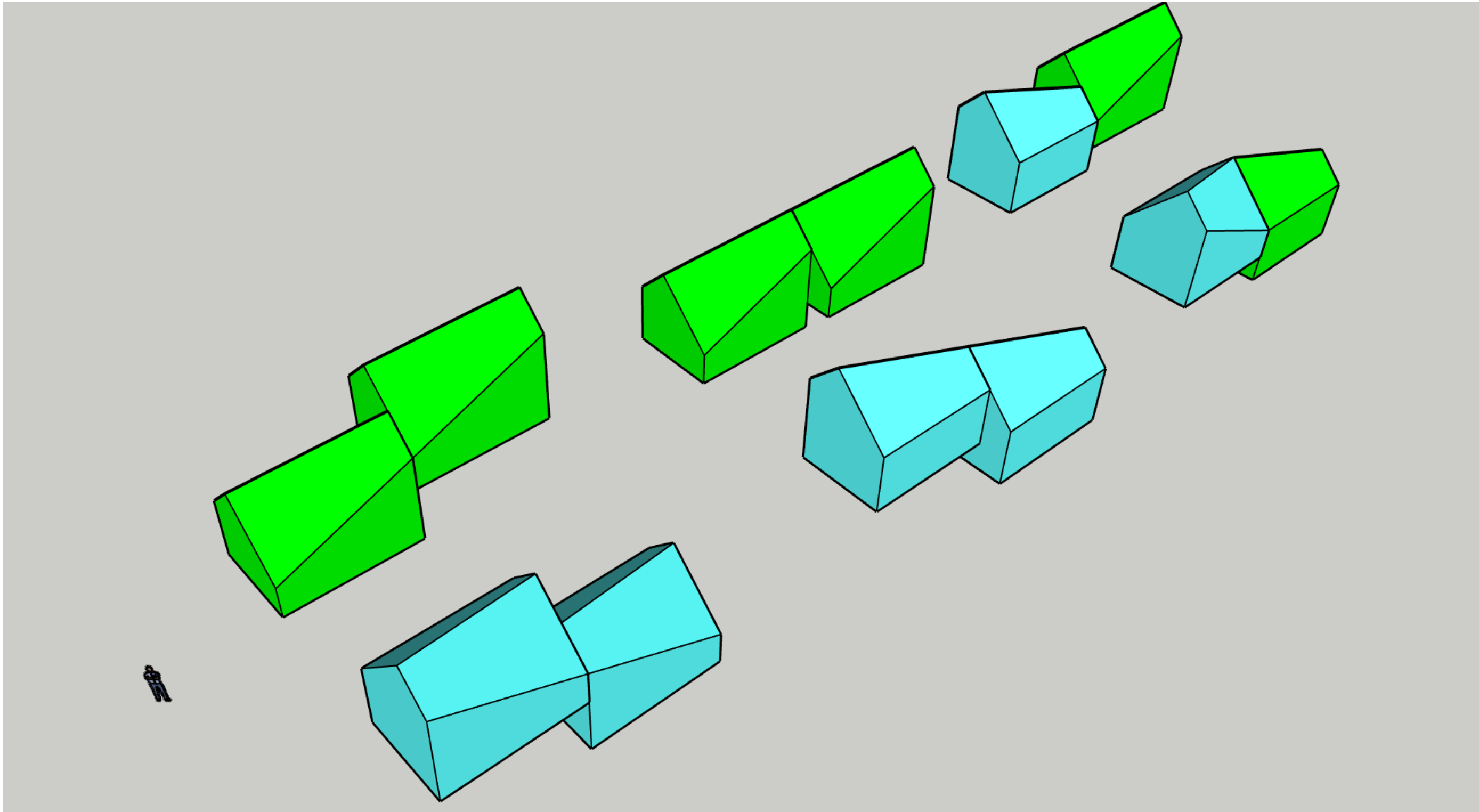
knogs can also be linked side by side, either along their level eaves, or their sloping eaves. If a larger dwelling is being created, an inter ridge roof is added to create a full height volume linking the upper floors

duplicate : slide



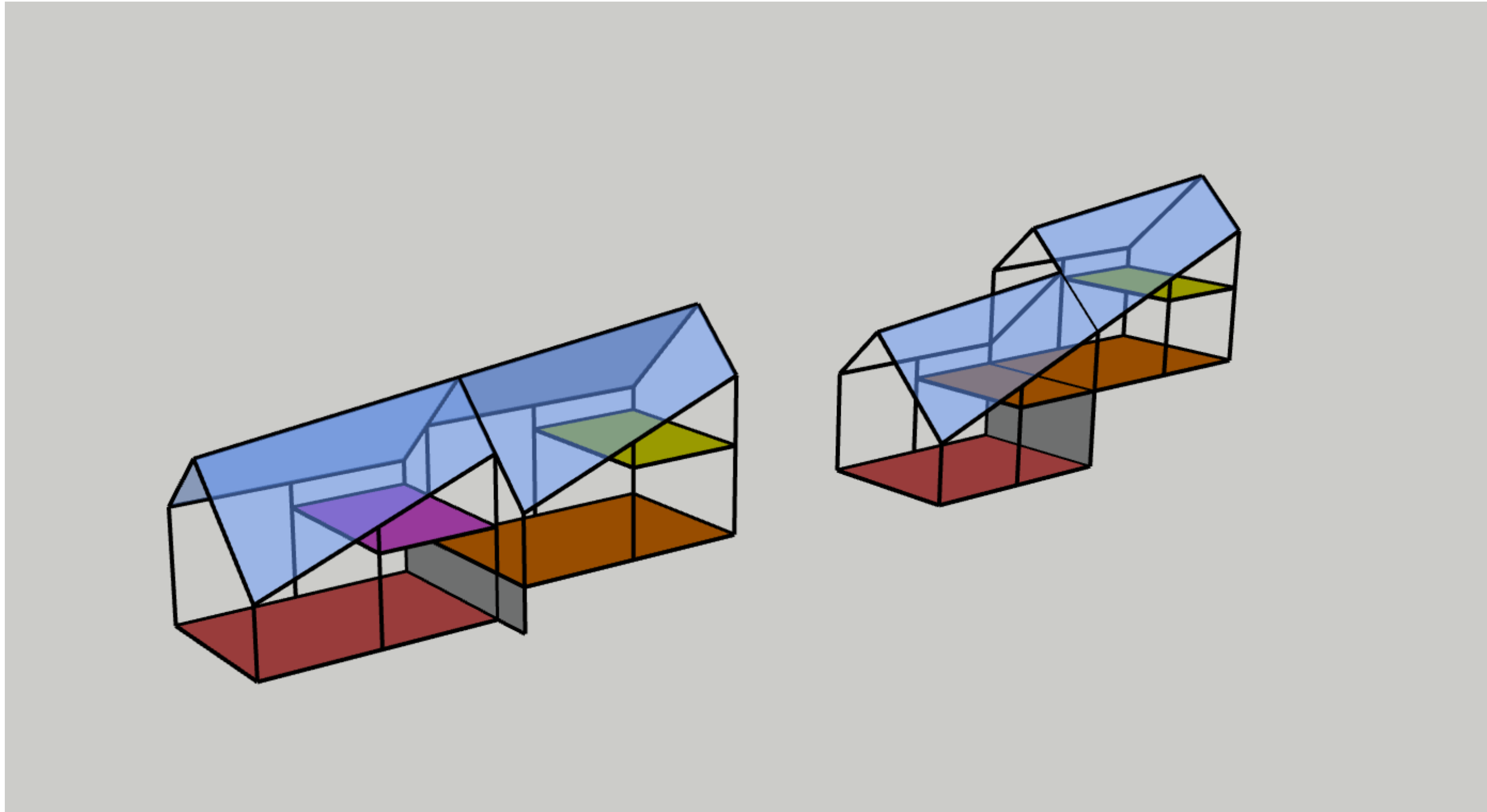
linking side by side also allows the knogs to slide against each other, increasing exposed perimeter and street relief

duplicate : slip



knogs can also slip vertically against each other, to accommodate varying site levels

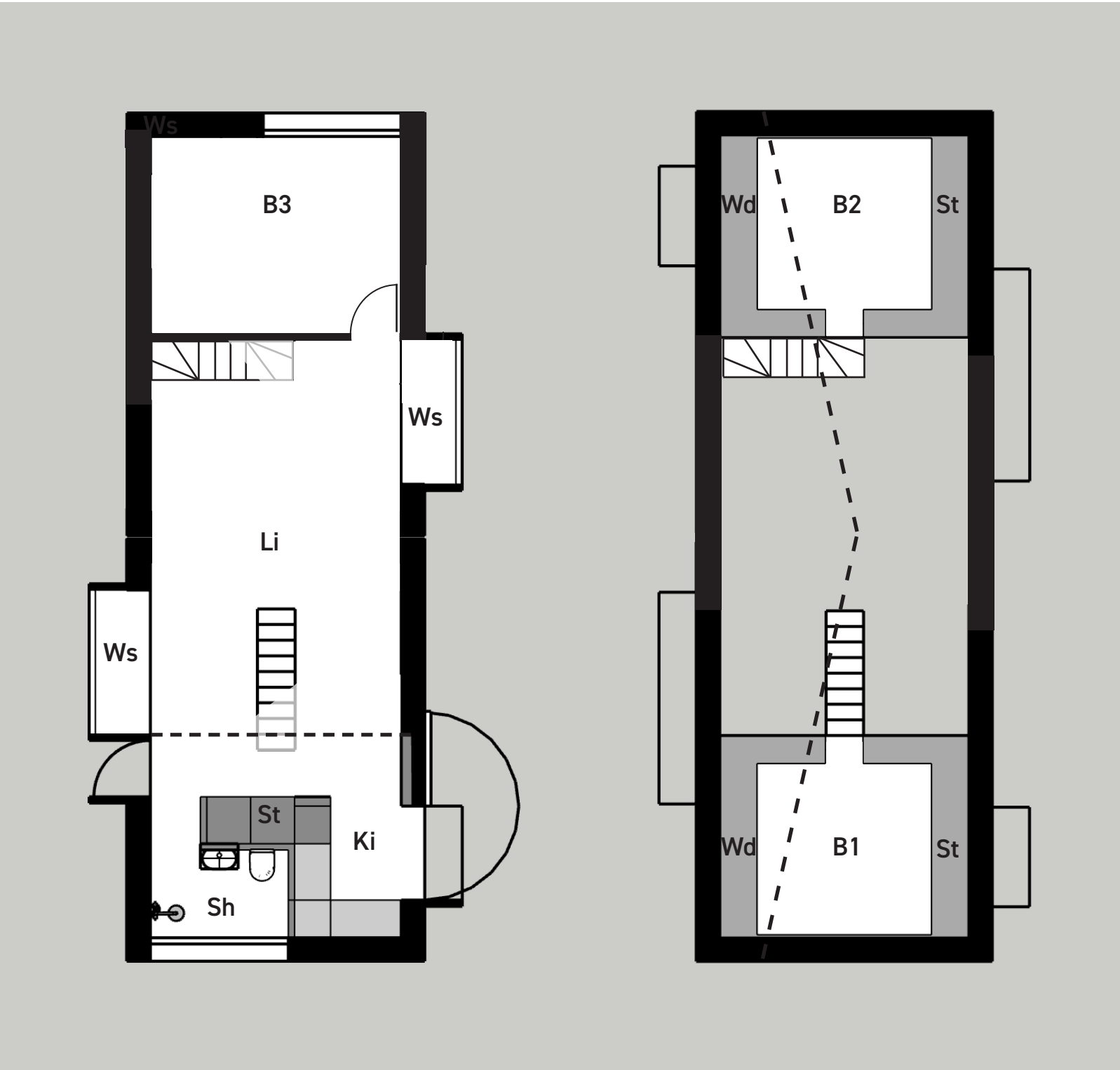
duplicate : slip levels



knogs can be paired at precise split levels:
1100mm gives half storey transitions in the plan
2200mm creates a larger middle level floor plan

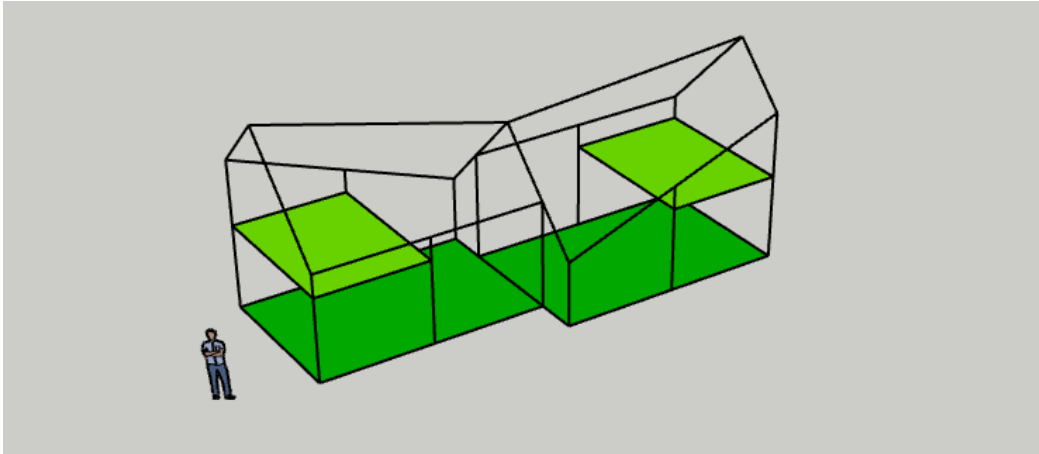
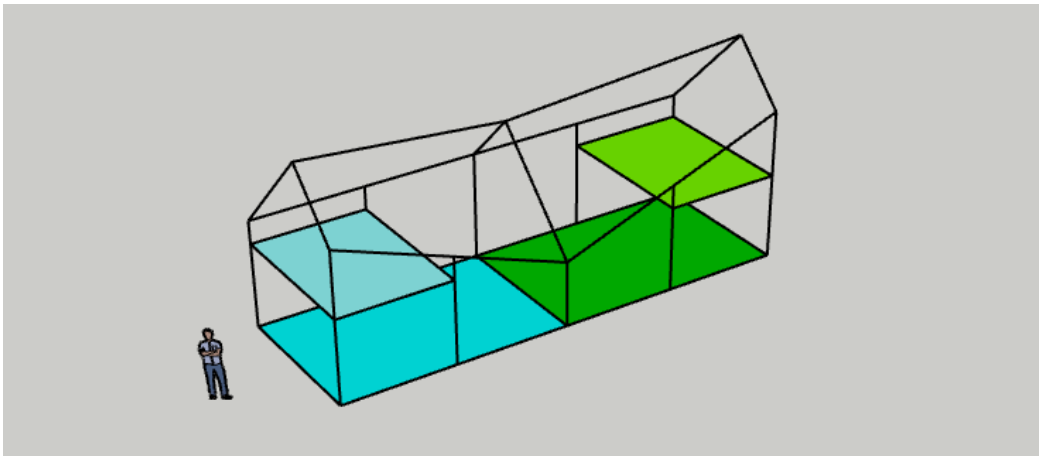
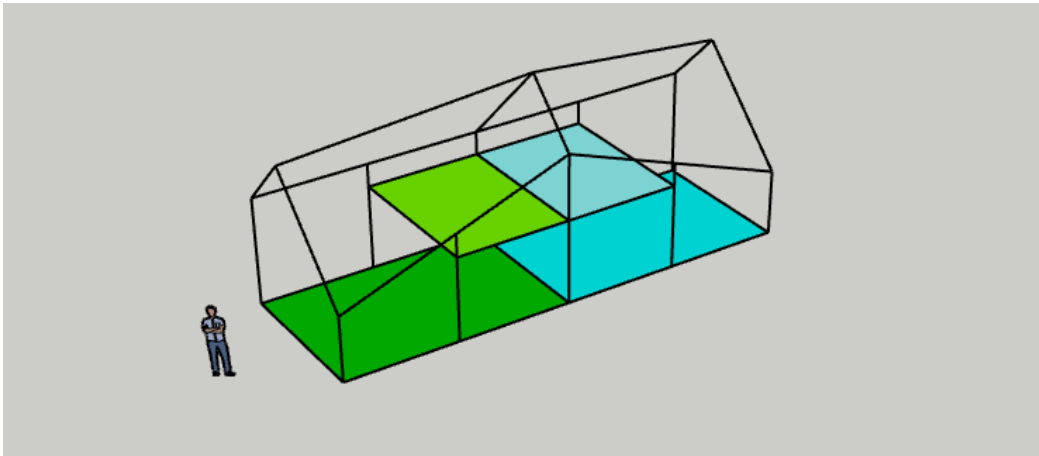
enlarge

enlarge : end

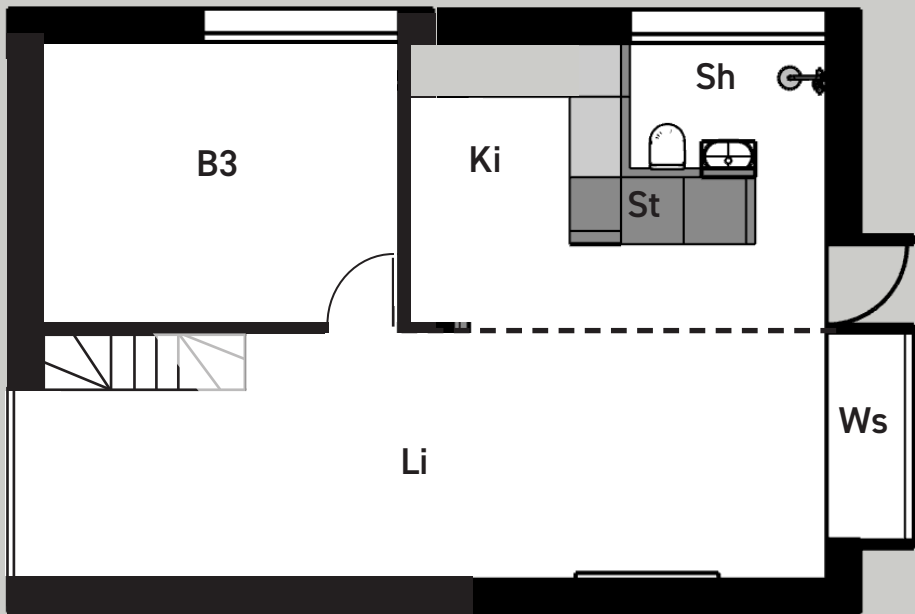
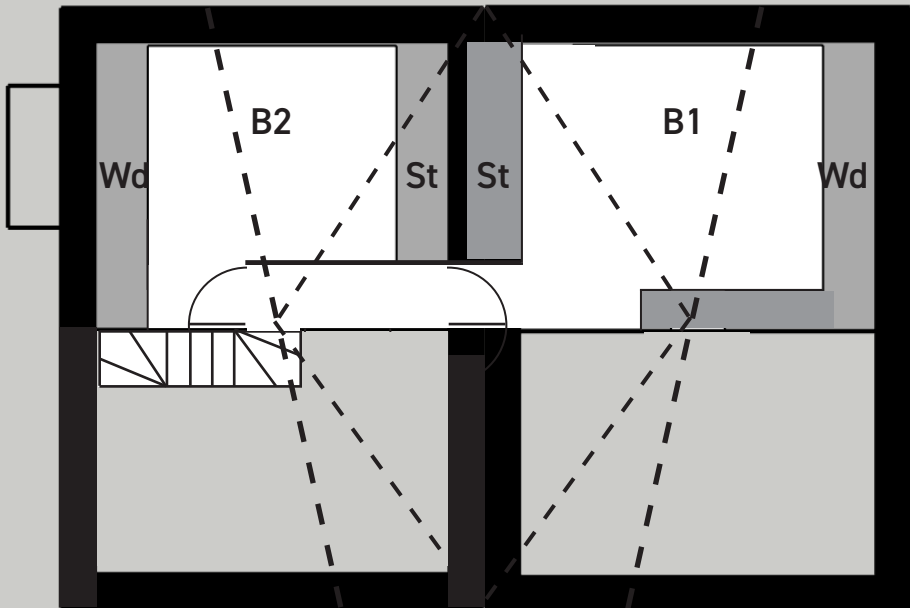


- Ws Window seat
- Li Living / dining
- St Storage wall
- Sh Shower
- Ki Kitchen
- B3 Bedroom 3 (accessible)

- Hs Hinged stair
- B1 Bedroom 1
- B2 Bedroom 2
- St Storage bench
- Wd Wardrobe

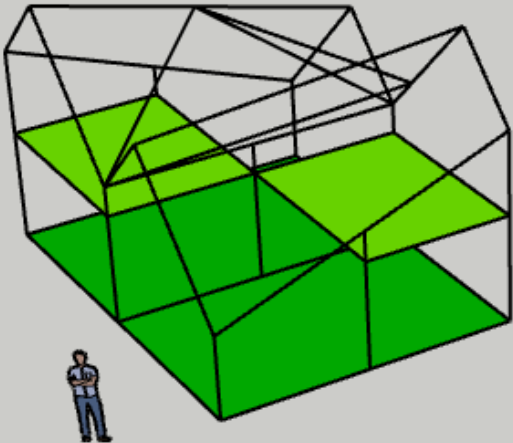
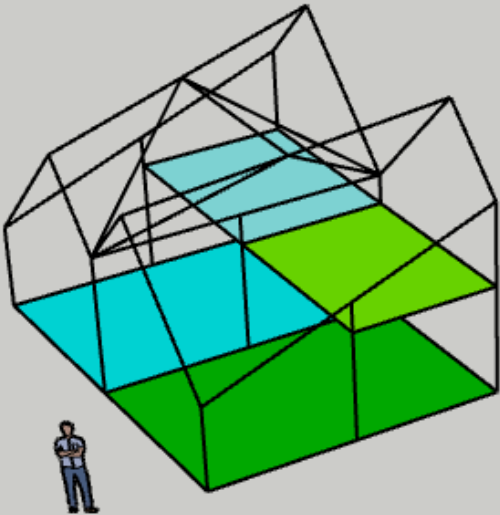


enlarge : side

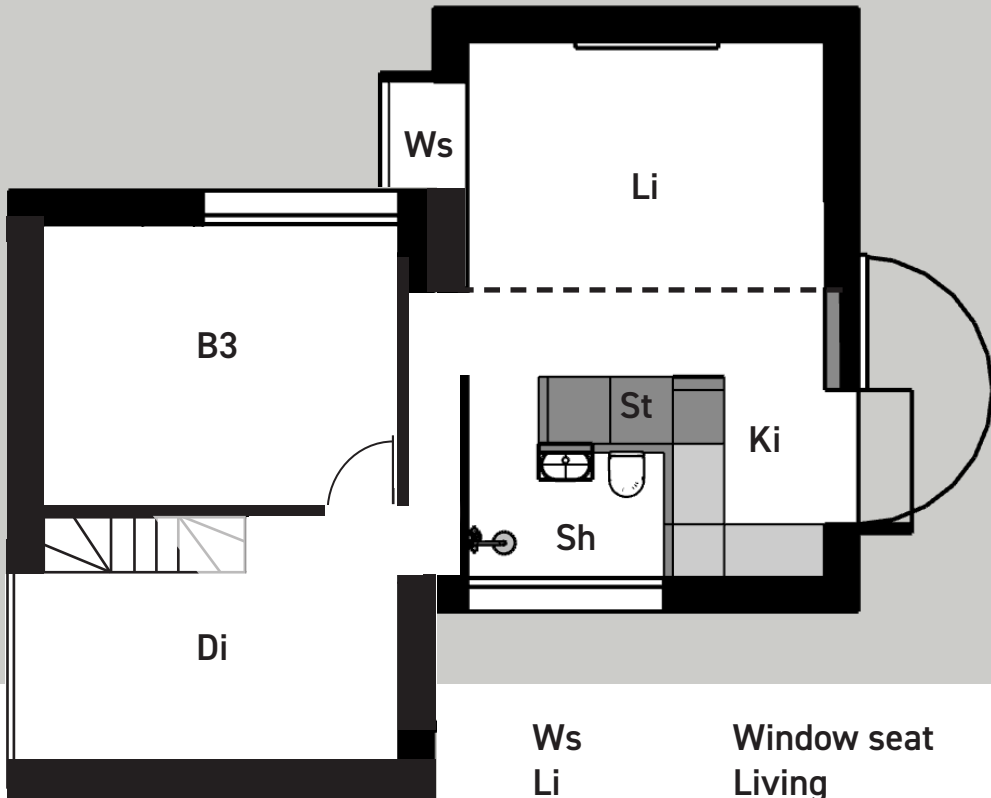
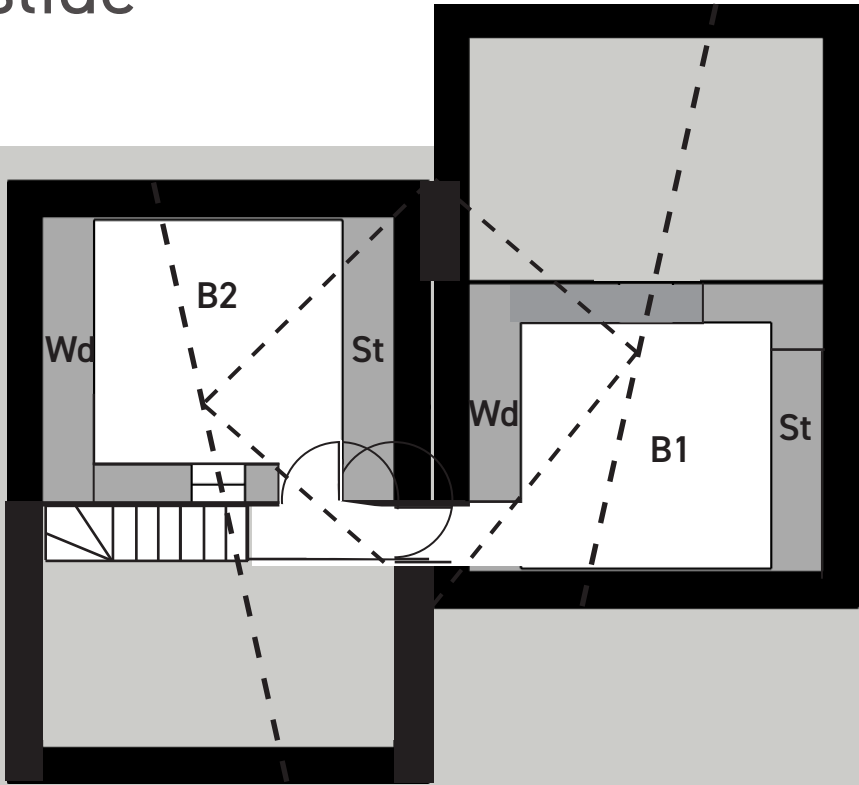


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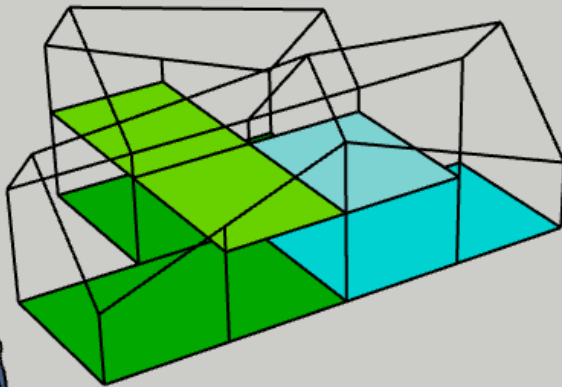
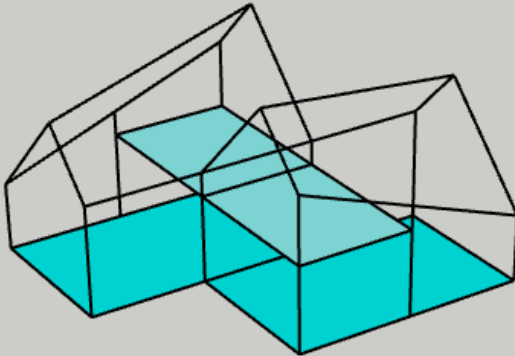
- Hs Hinged stair
- B1 Bedroom 1
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enlarge : slide

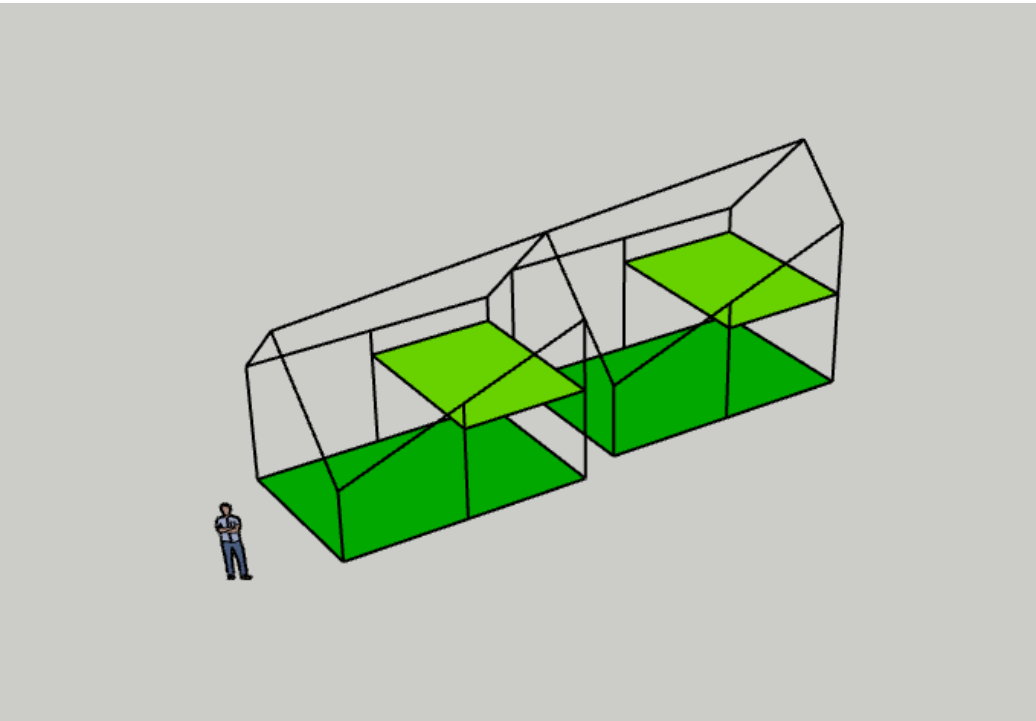
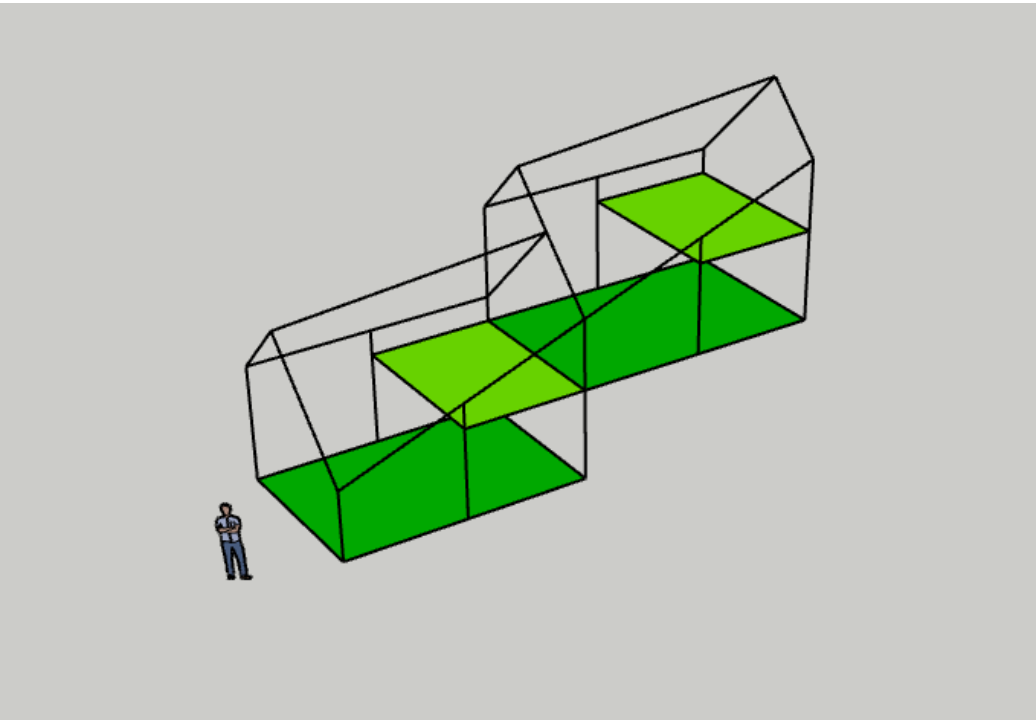
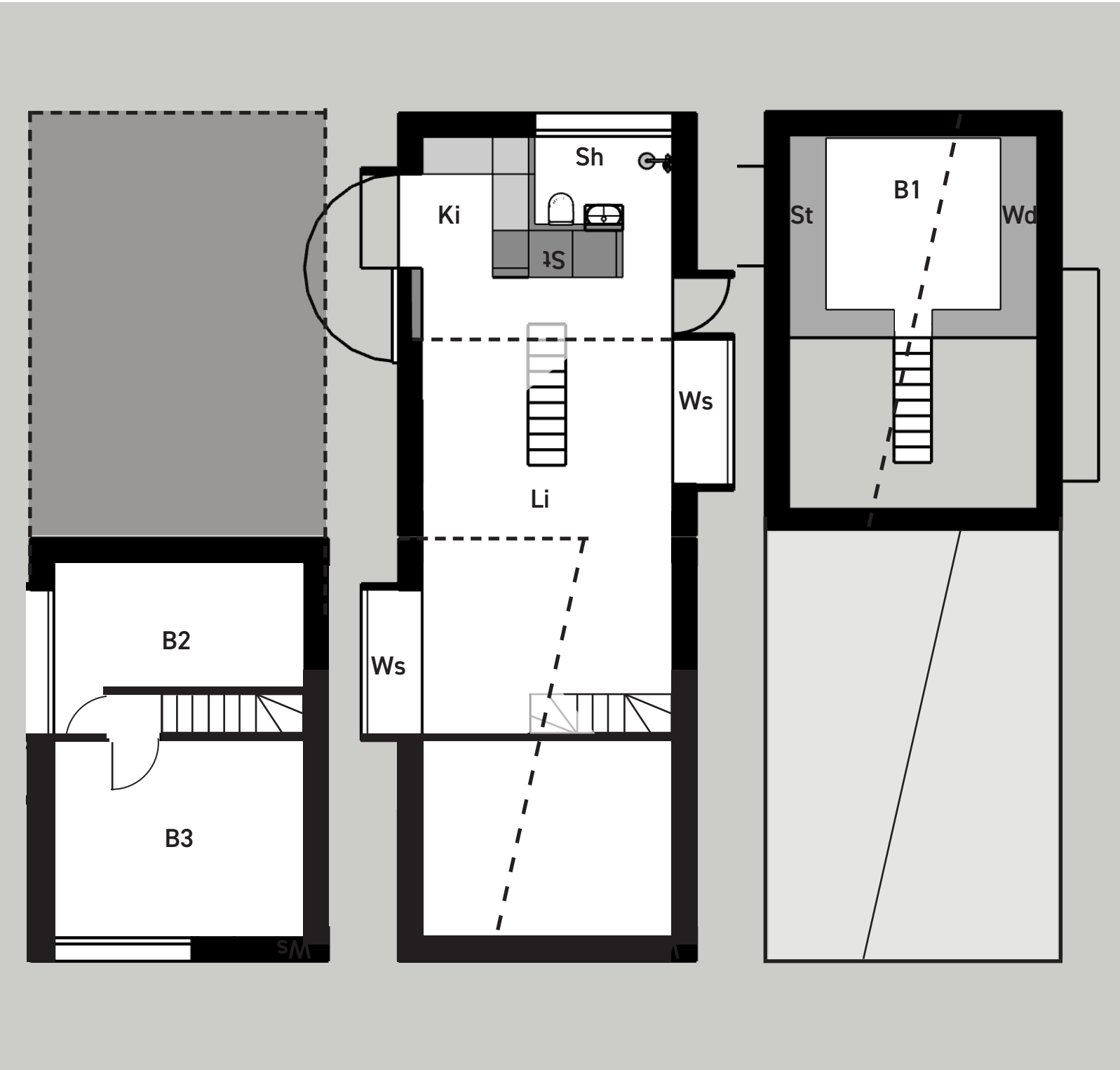


- | | |
|----|------------------------|
| Ws | Window seat |
| Li | Living |
| Di | Dining |
| St | Storage wall |
| Sh | Shower |
| Ki | Kitchen |
| B3 | Bedroom 3 (accessible) |



- | | |
|----|---------------|
| Hs | Hinged stair |
| B1 | Bedroom 1 |
| B2 | Bedroom 2 |
| St | Storage bench |
| Wd | Wardrobe |

enlarge : slip

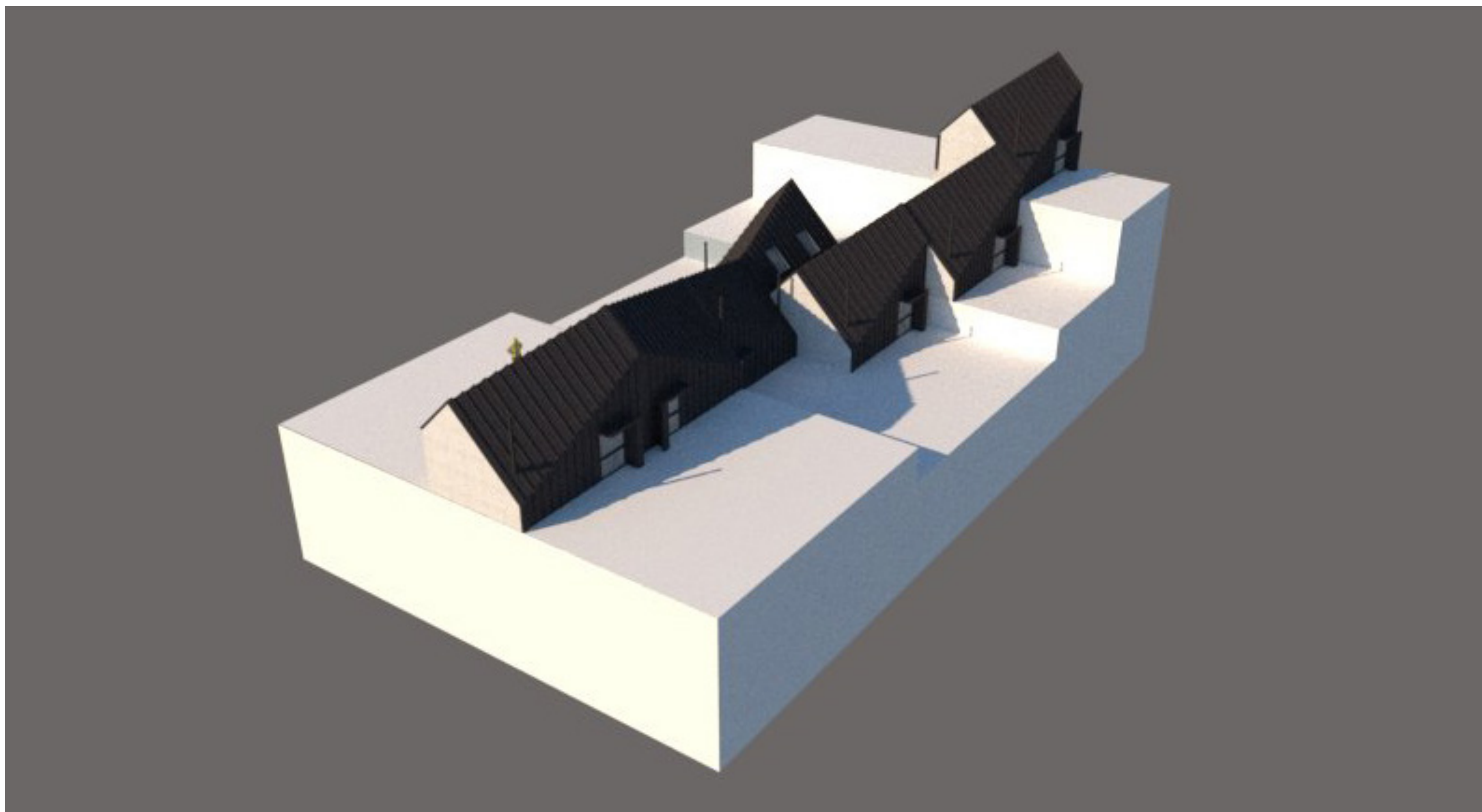


Ws Window seat
Li Living / dining
St Storage wall
Sh Shower
Ki Kitchen
B2 Bedroom 2
B3 Bedroom 3

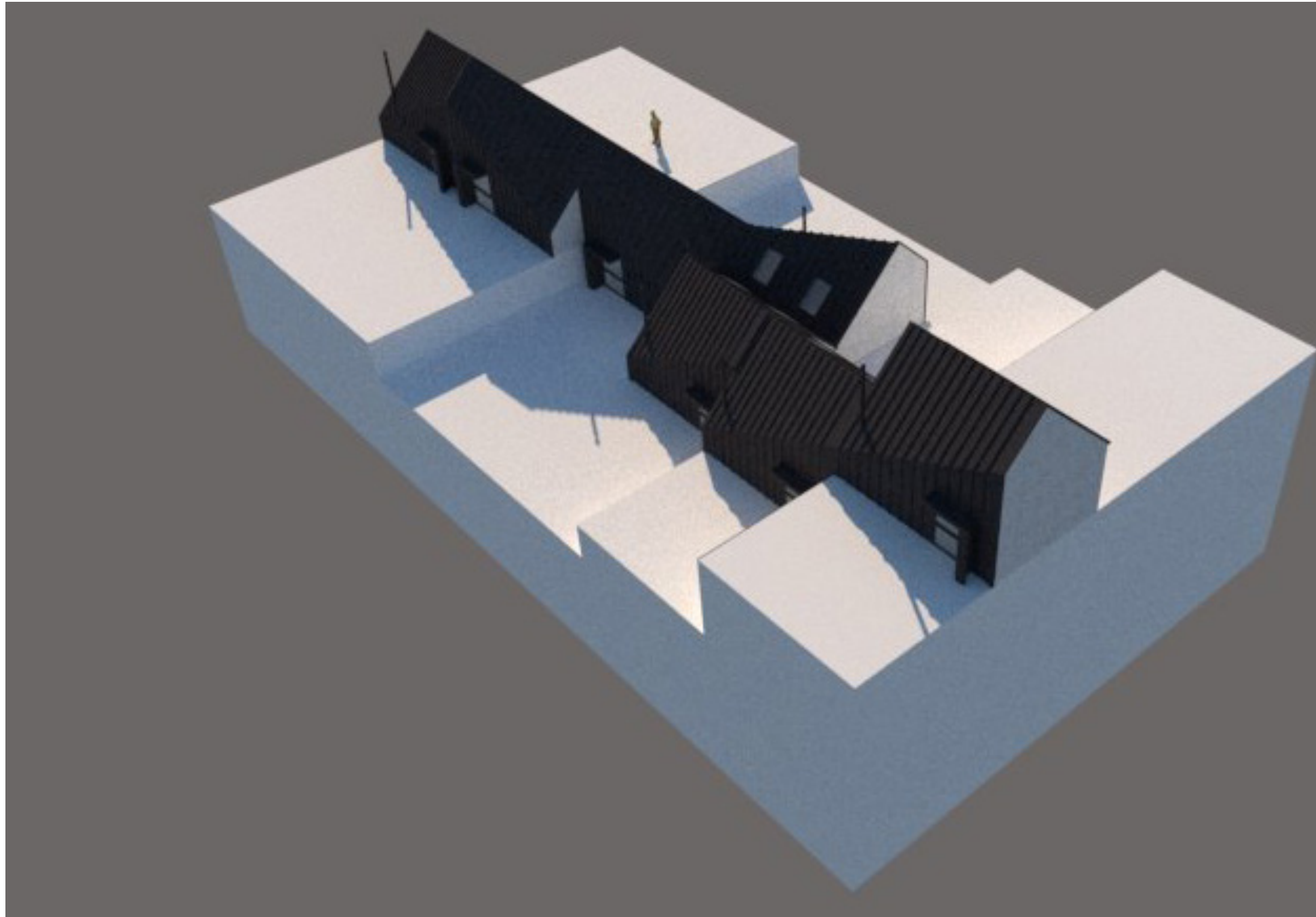
Hs Hinged stair
B1 Bedroom 1
St Storage bench
Wd Wardrobe

multiply

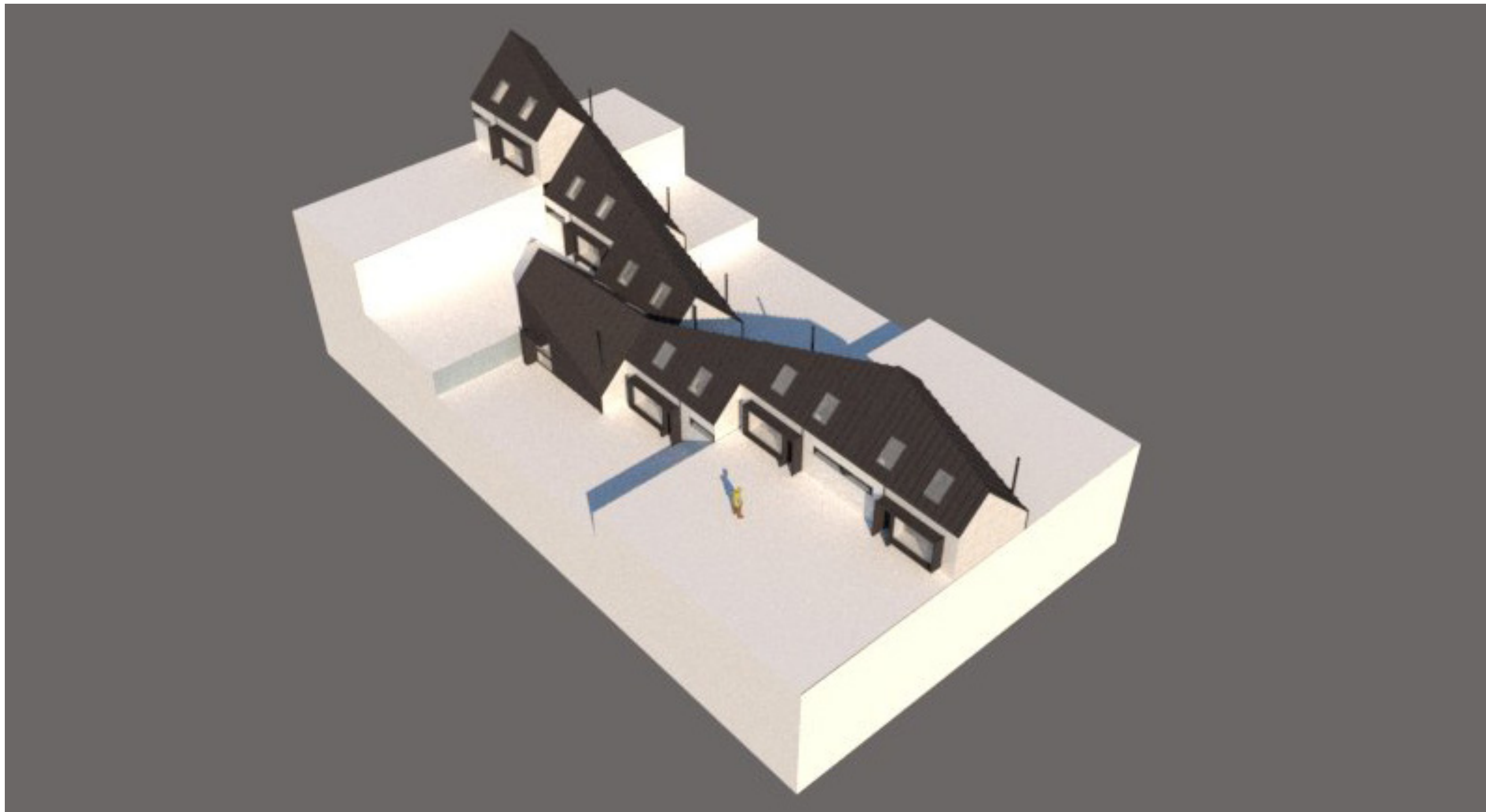
exterior : aerial row



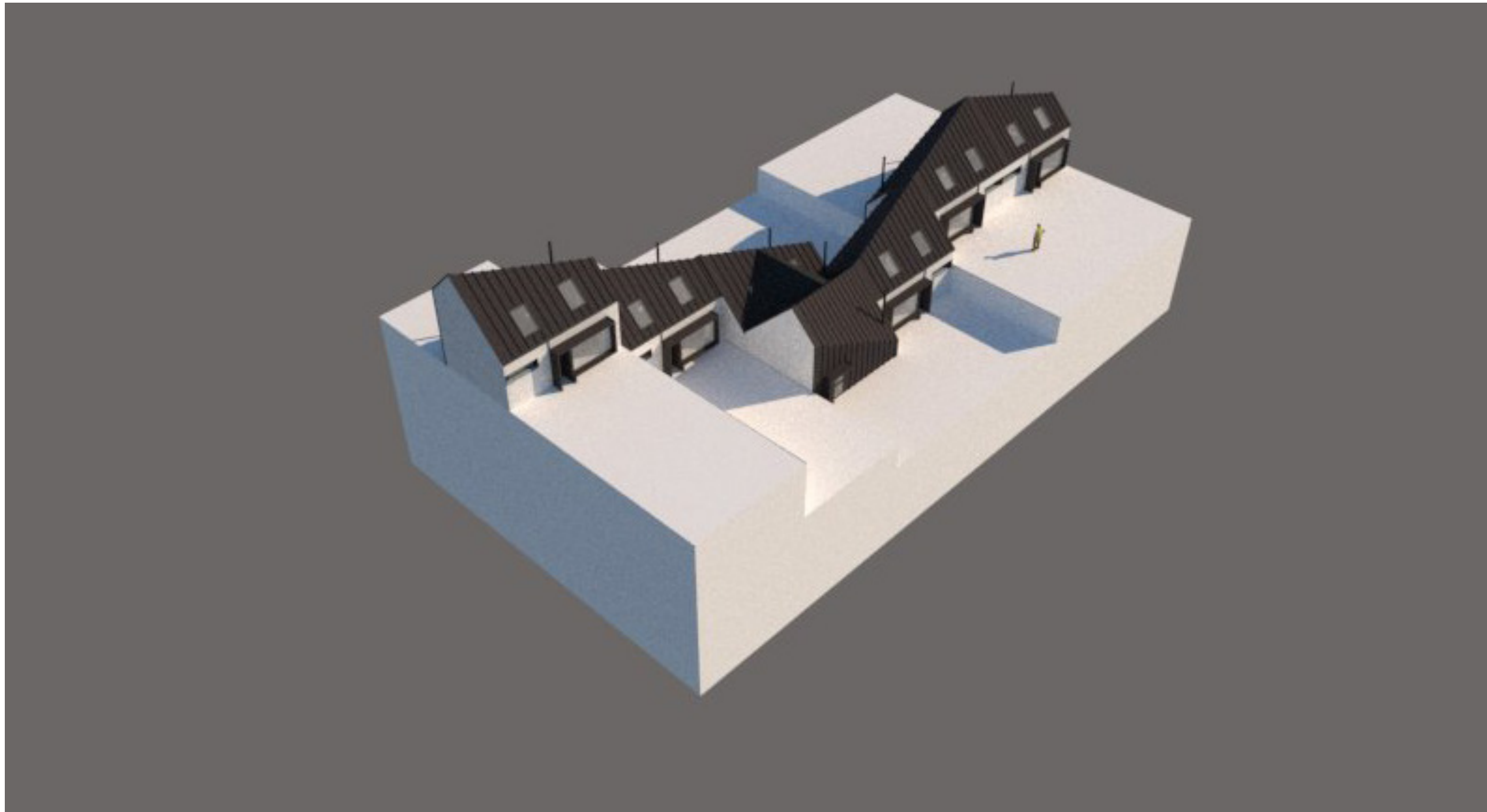
exterior : aerial row



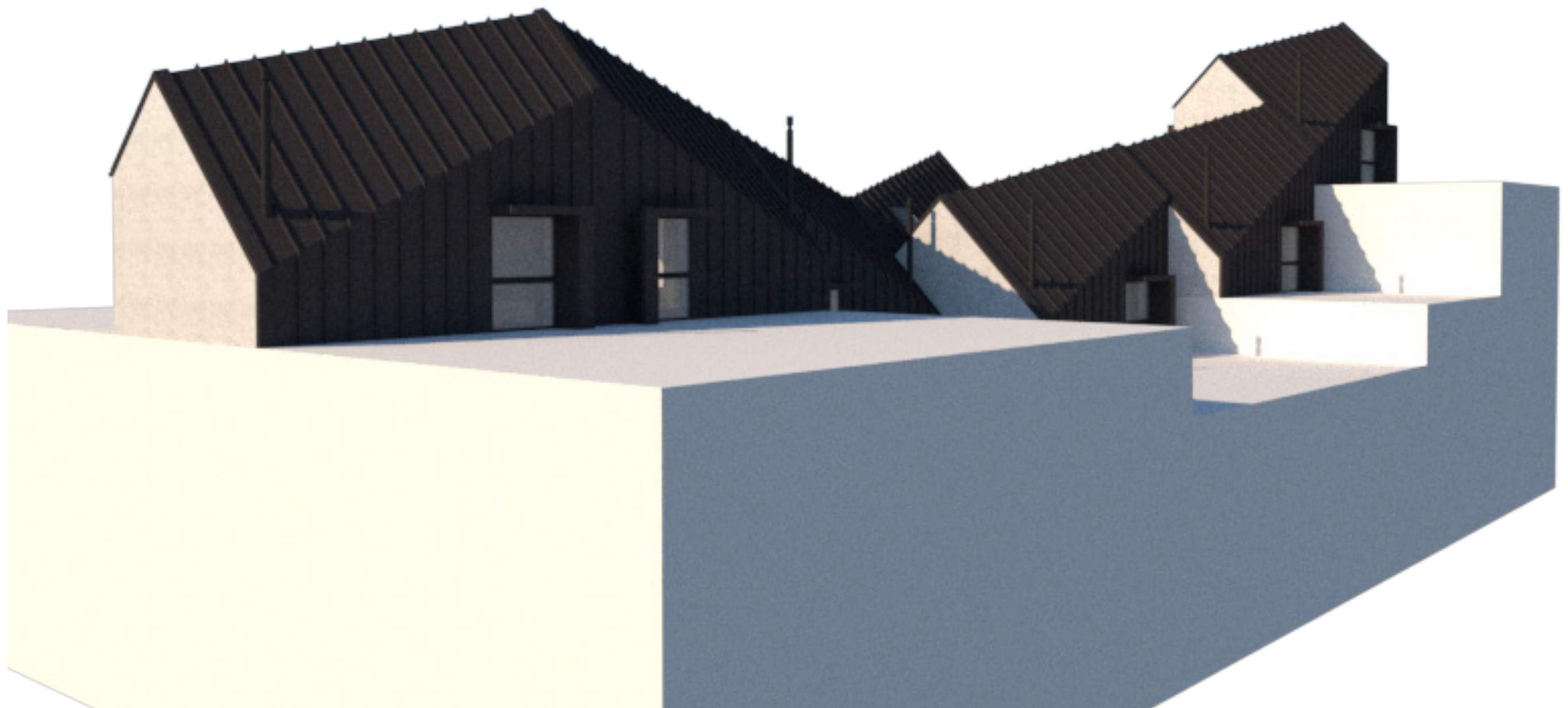
exterior : aerial row



exterior : aerial row



exterior : streetview row



exterior : streetview row



exterior : streetview row



exterior : streetview row



exterior : streetview row



exterior : streetview row

