

_occupy the_ceiling

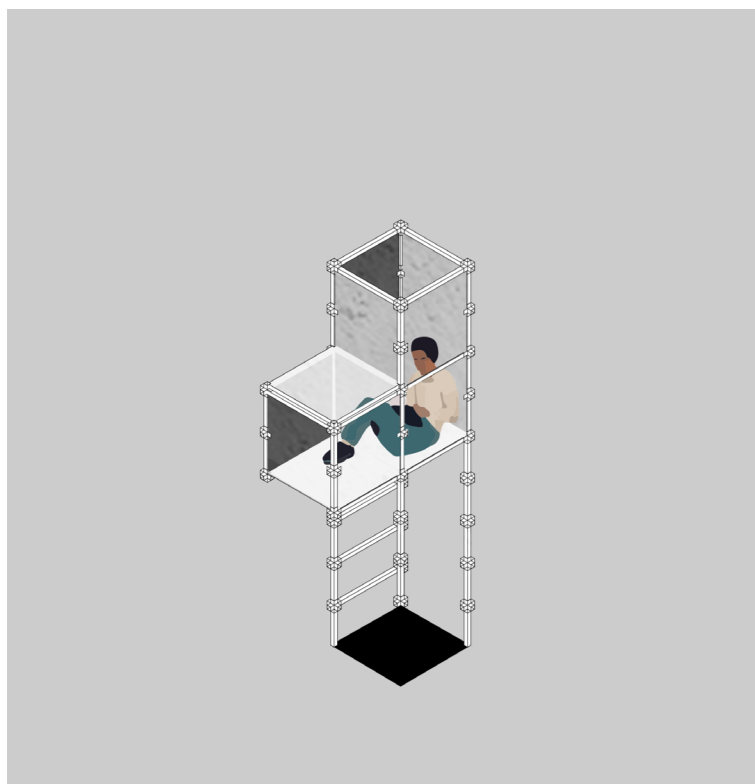
instead of implanting a prefabricated house on a fresh site, our proposal exploits the potential of unused ceiling spaces to create a hybrid of the original program and housing. our **site** for *current* intervention is an **architecture studio space** with its high ceilings but the same system could be deployed on other tall volumes like warehouses, industrial factory spaces, alleyways and gyms.

the 1x1 grid is elevated above the ground plane to allow the normal program to continue uninterrupted while the hovering plane is where people can sleep, relax or ponder. the system strips housing to its fundamentals and seeks to make use of available resources rather than enlarging one's environmental footprint by building anew.

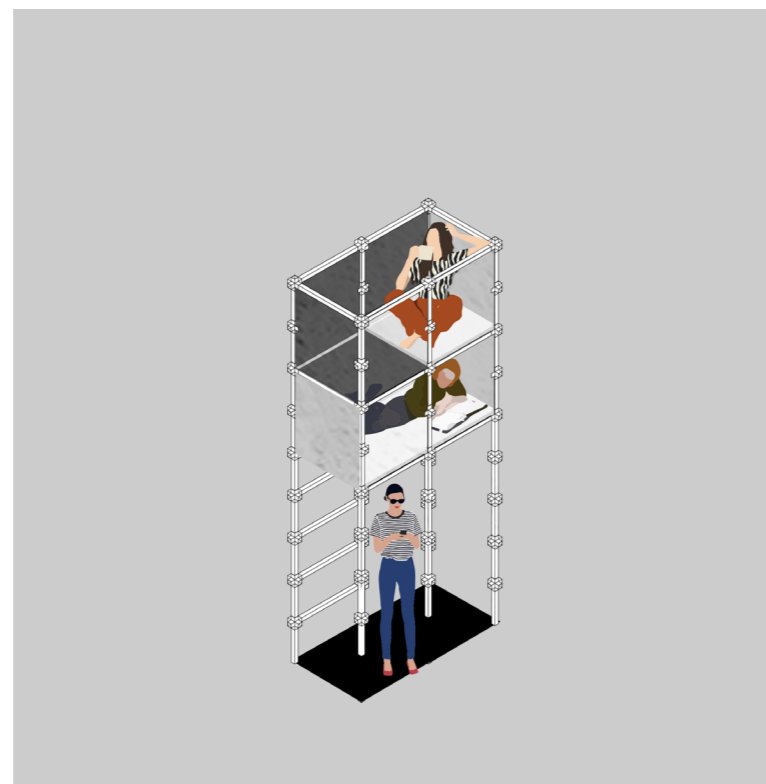
the 1x1 unit is multiplied horizontally and vertically, establishing a seemingly infinite

3D grid of possible living patterns and arrangements; the collective decision to combine the units allows for the inhabitants to negotiate and expand on the neighbor's territory. thus through this dense social cohabitation, one is able to achieve much more spatial flexibility than one would in an optimized solitary unit.

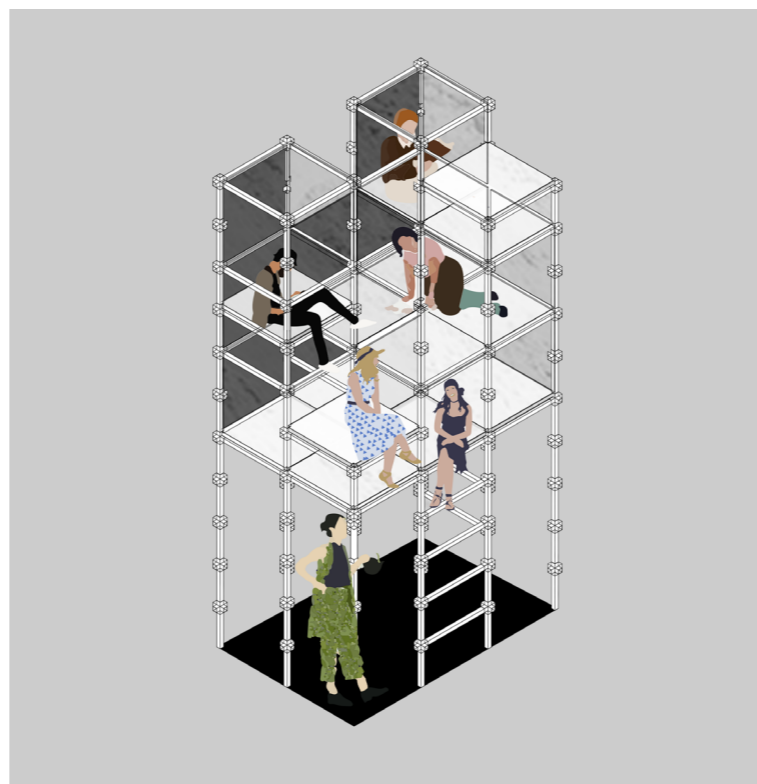
the system consists of a wood lattice grid (formed by modular vertical and horizontal elements), partition panels and a mass producible steel node. the choice of local Canadian wood and a recyclable steel node minimizes environmental footprint while the 'scaffolding' system could be adapted to different contexts such as a bamboo lattice for tropical Southeast Asia. thus, our system reduces housing to its essentials - an adaptable frame for flexibility and panels for defining space.



1x1 individual unit
the single 1x1 unit is deployed and can be adapted to suit different solitary lifestyles



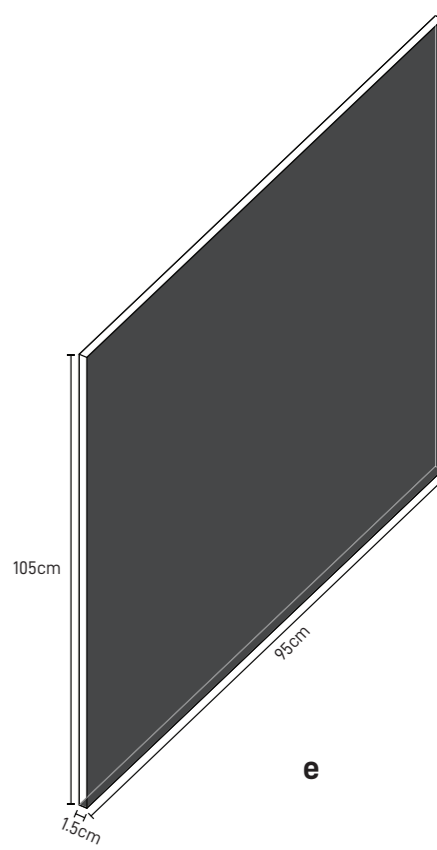
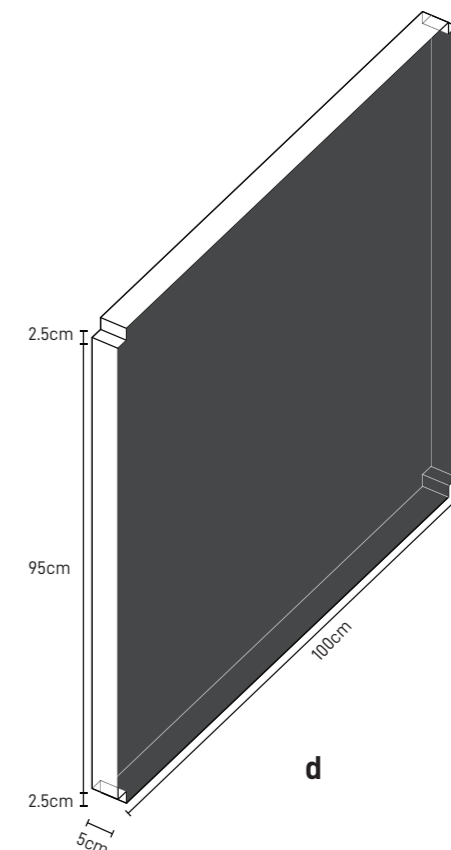
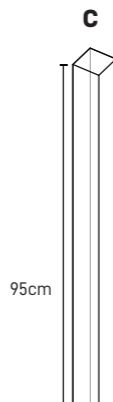
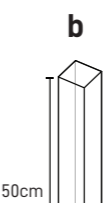
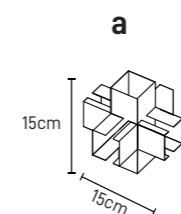
2(1x1) two individual units
the two 1x1 units can be combined to give a spatial result that is more than a sum of parts



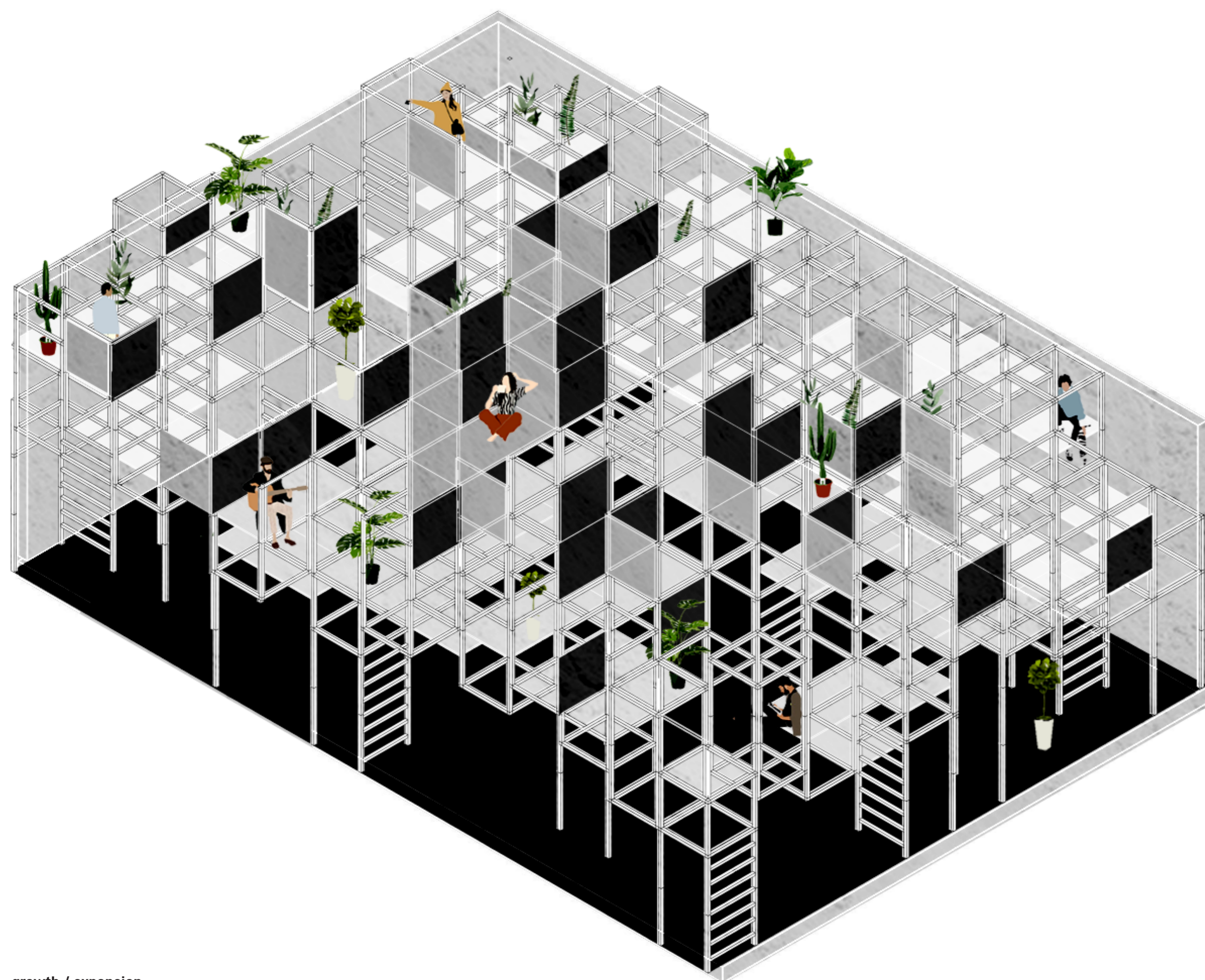
n(1x1) the collective - unit agglomeration
the units combine to produce a social co-living situation with spatial negotiation + expansion

_adaptable construction kit

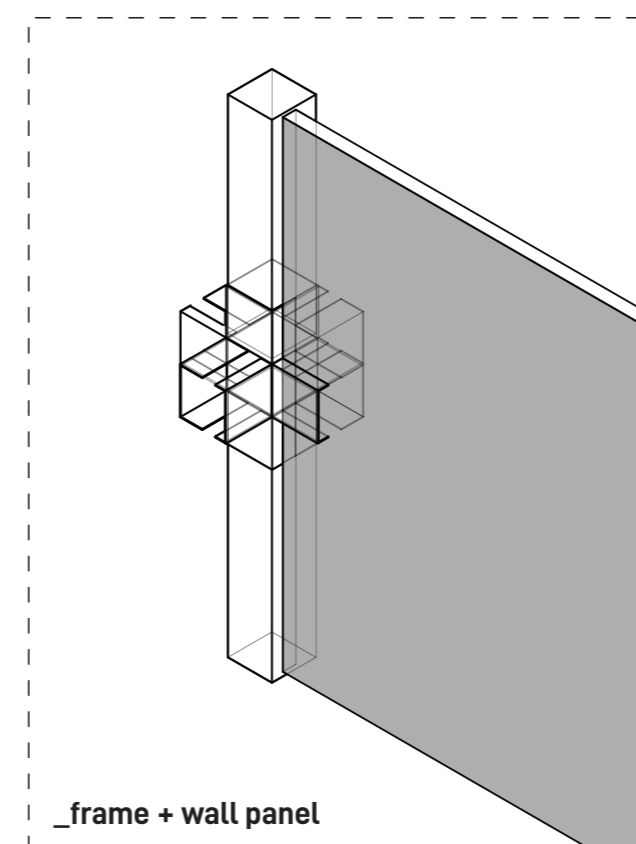
our lattice and panel system consists of small components that can be combined horizontally or vertically to form columns, beams, ladders and partitions. although seemingly elementary, our proposed system allows the user to inhabit the space at any height of their choice. moreover, the provision of both the porous grid and the opaque panels enables the simultaneous coexistence of privacy/social spaces (i.e. work-live-leisure). thus, this system facilitates rigorous programmatic flexibility.



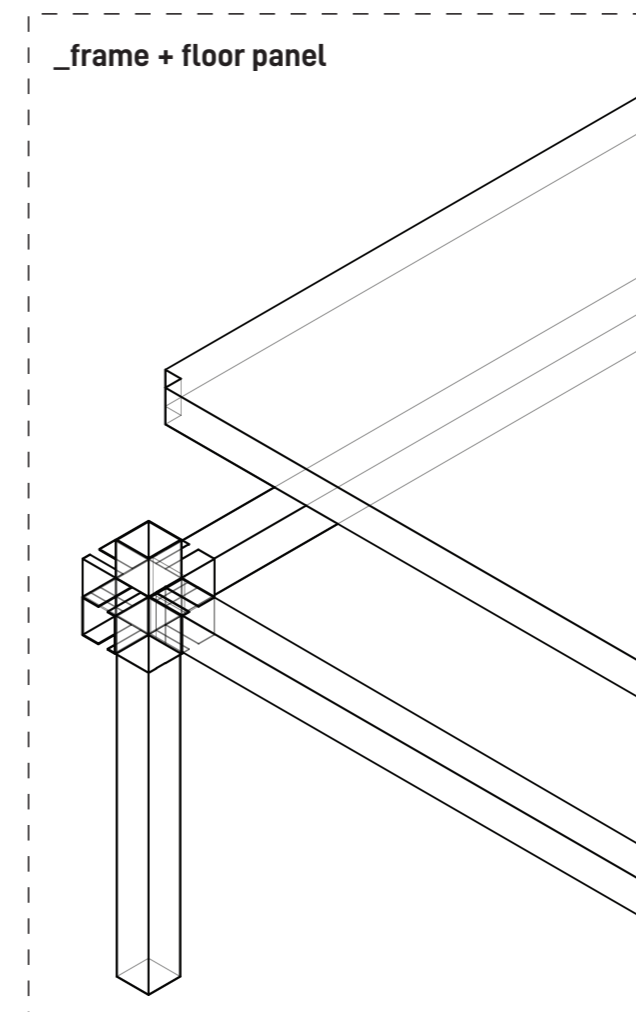
- a recyclable steel node
- b wood element (xs)
- c wood element (s)
- d wood floor panel
- e wood wall panel



_growth / expansion



_frame + wall panel



_frame + floor panel

