

module x

a flexible live-work co-op
community for the future

Module X reconfigures the typology of traditional dwelling units by inviting residents to design their homes' layout by mixing and combining modules to accommodate work, family needs and financial situations. Residents become pro-active makers of their own neighbourhood through collaborating together to develop and build resources. This complex brings adaptability for the working young, singles and elderly to size up or down within the co-op. By reclaiming the underutilized front and backyards, the single family lot is able to accommodate a commercial retail unit and a workshop to make the block more vibrant while generating revenue. The semi-private courtyard can be merged with the adjacent neighbour to provide a backdrop for chance encounters or planned activities.

This user-centric approach promotes flexibility, social interaction and walkability with increased density to foster social exchanges between neighbours and build a resilient community that grow together.



Coquitlam,
BC



co-op housing
x 7 units



FSR
1.47



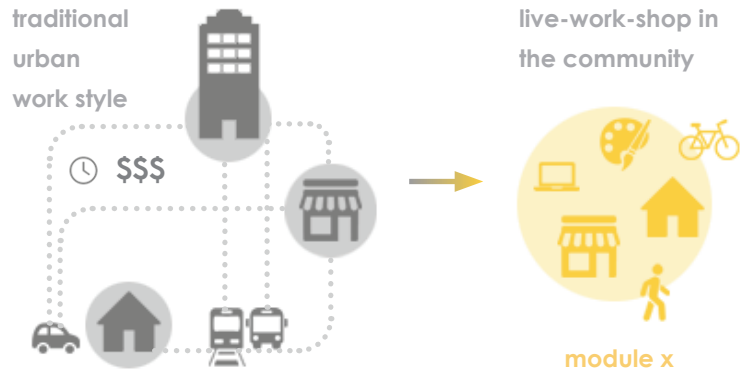
CRU
x 1



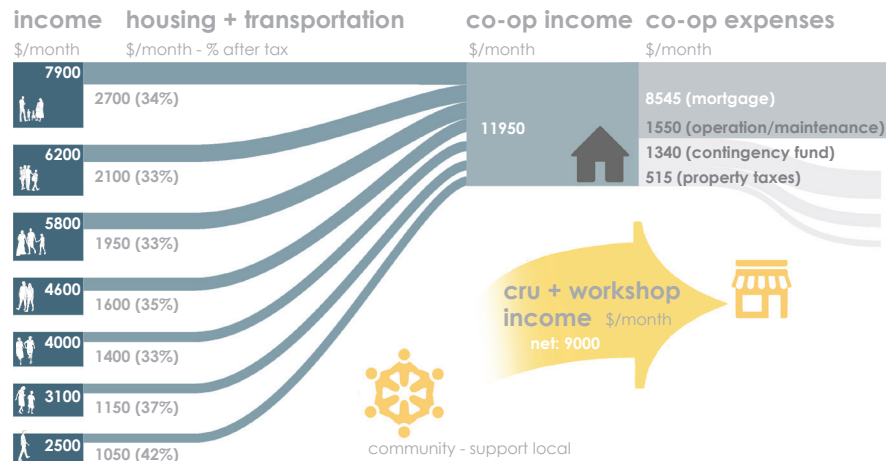
workshop/studio
x 1 → x



electric carshare
x 2



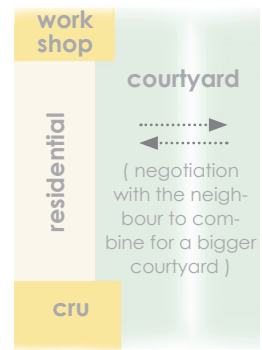
conceptual diagram



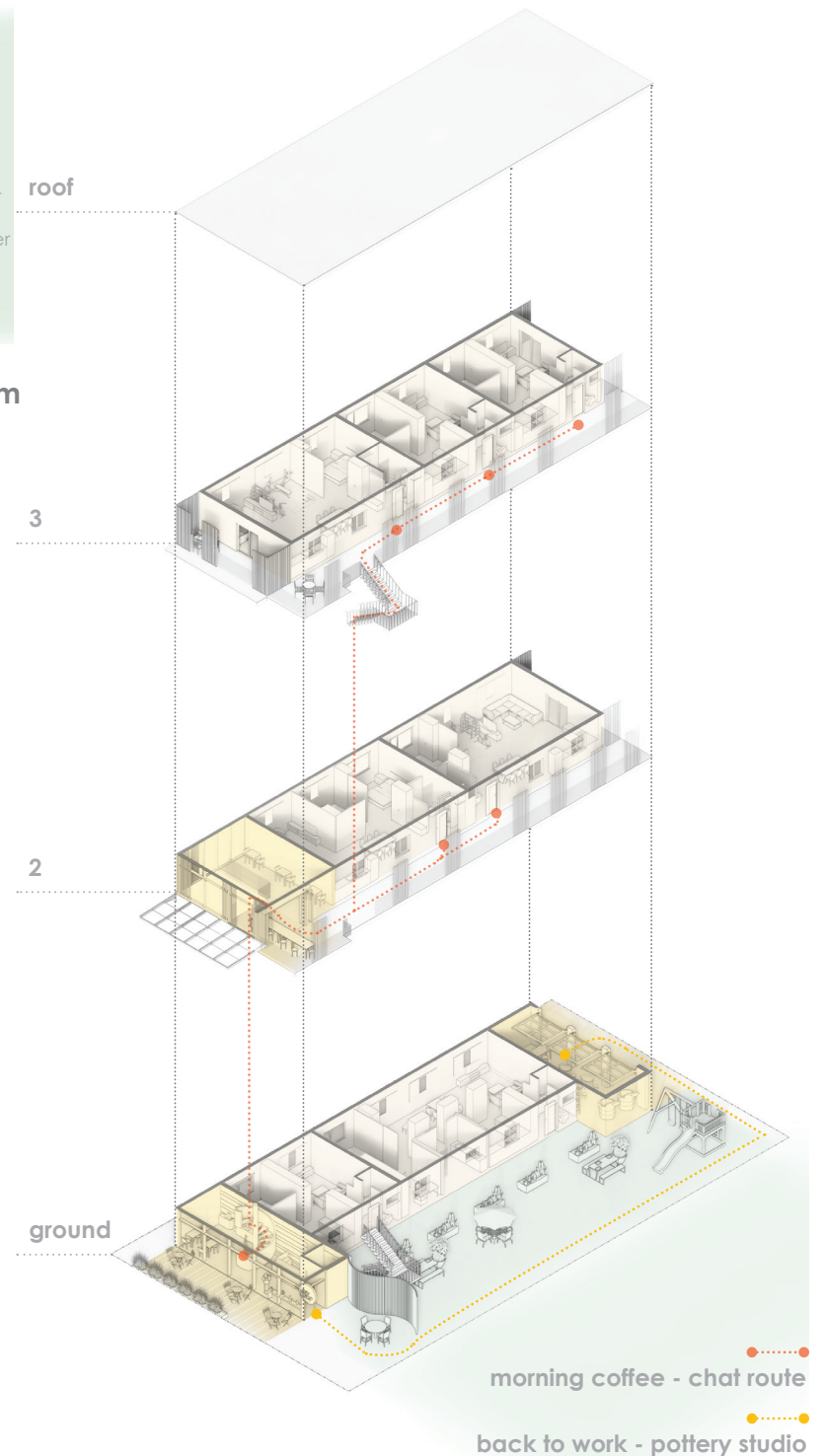
financial analysis

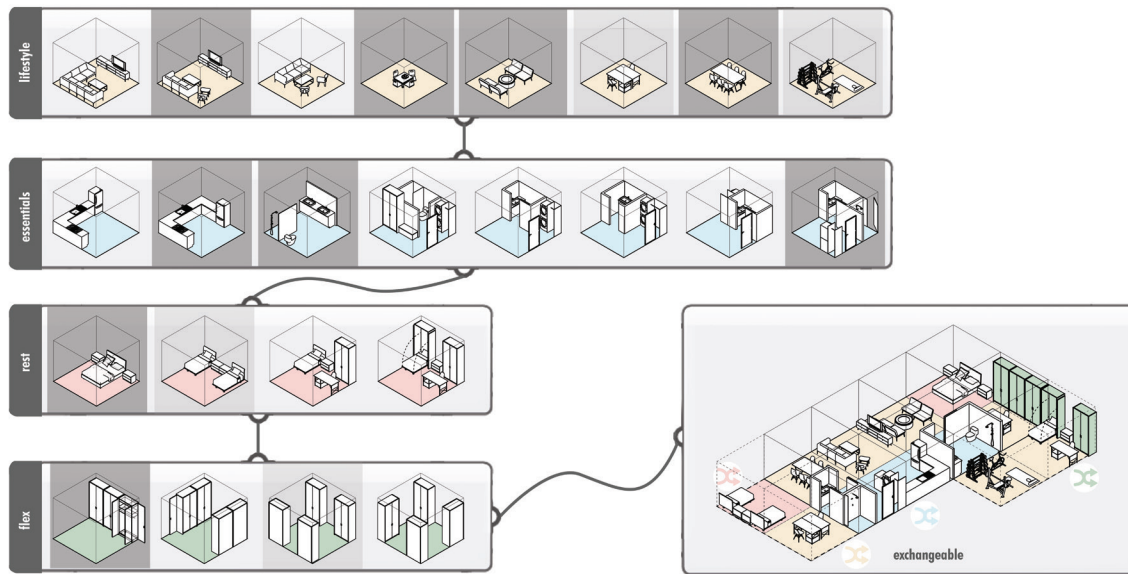


site plan
1:4000

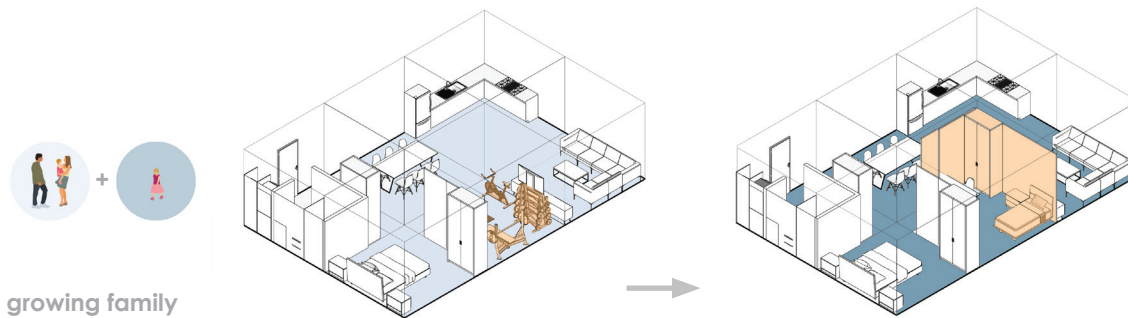


program diagram

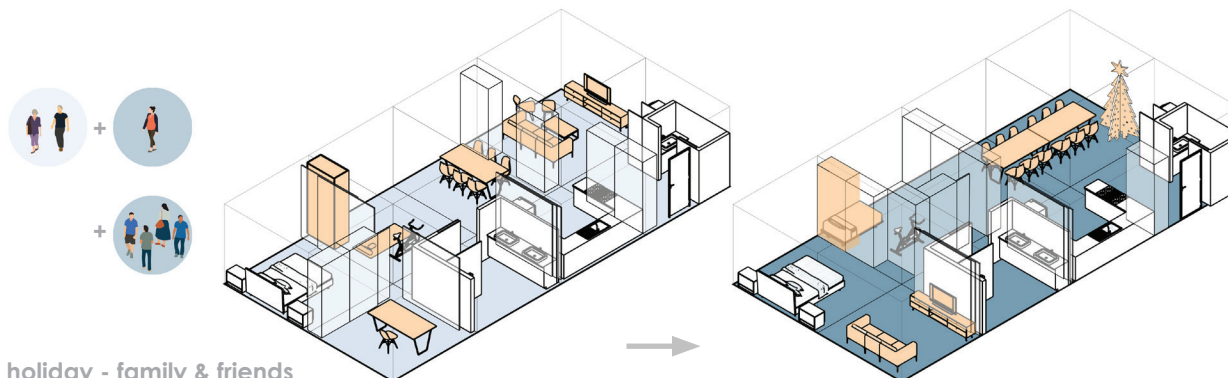




module X formula



growing family



holiday - family & friends

3.66 m
(12')

3.66 m
(12')

1x module
= 13.4 m²

Module X allows for flexibility and adaptability within the residential units. Residents are able to select from a variety of lifestyle, essentials, rest, and flex spaces to create a combo of 4, 6 or 8 modular units.

Flex closets act as storage units, partitions, and doors, that are move-able on wheels at 1.2m (4') modular lengths. Three of these can build a full partition wall, and two can build a wall with a sliding door. Depending if spaces need to be enlarged or reconfigured, residents can simply re-organize their Flex closets to adapt to any scenario, such as changing family size. Partition walls would only be used for areas requiring plumbing, and unit separation. All units strive towards barrier-free accessible design.

scenario 1

As the kid is growing up, the couple decided to convert the gym room to a bedroom with study spaces.

scenario 2

During festivities where families and friends come and gather, the unit can be reconfigured to accommodate a large dining space by moving the living area by the bedroom. The gym's murphy bed closet can be pulled out to accommodate relatives. If it's a couple, they could have two murphy bed closets.



ground floor
1:300



1+

53.6 m²



1-2+

80.4 m²

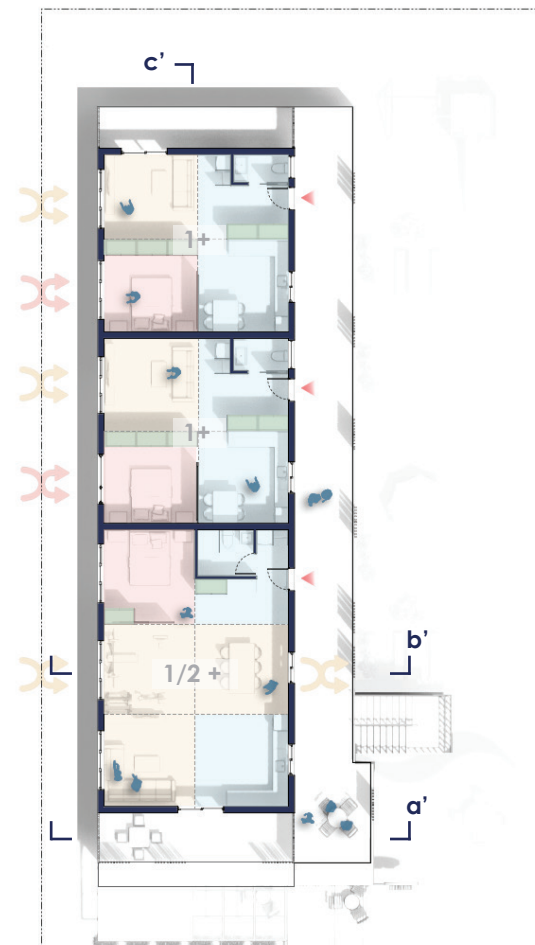


2-3+

107.2 m²



second floor
1:300



third floor
1:300

legend

- cru + workshop
- lifestyle
- rest
- essentials
- flex



cafe / gallery
front



section a'
1:150



section b'
1:150



pottery / ceramic studio
back



section c'
1:150

module x

resilient

adaptable

thick

community