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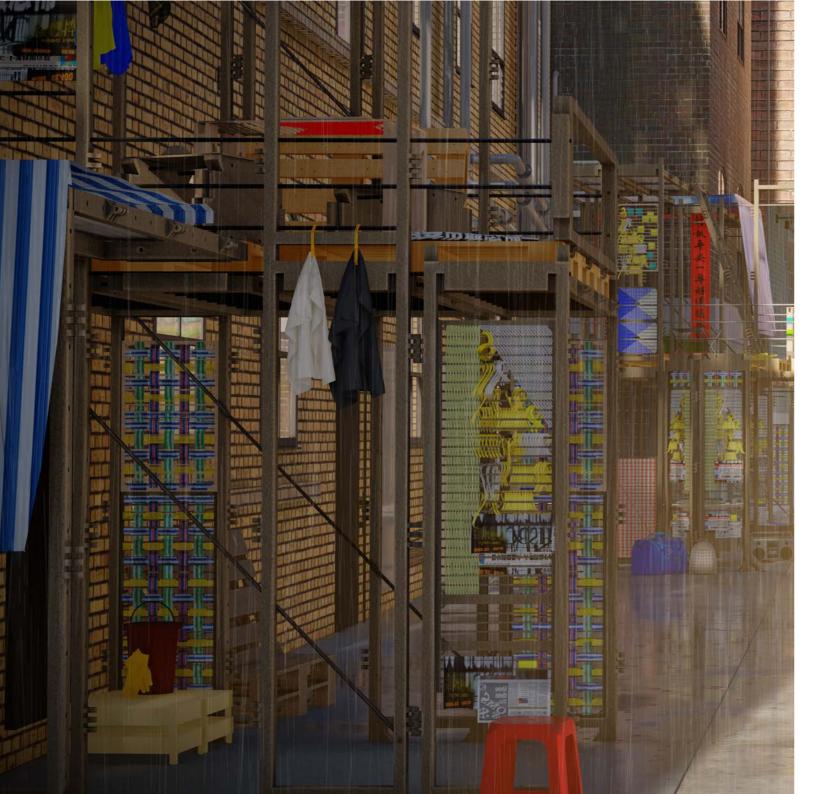
the proposal;

the structural elements : dimensions and joinery

combinations : additional components; verticality and span

weaving frames : connections, dimensions and combinations

making : woodwork and CNC guidelines



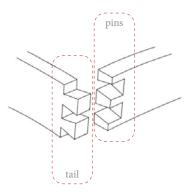
the proposal

This project aims to construct or rather weave, both my introspective individual world and acknowledge the intergenerational 21st century Hong Kong diasporic community's collective form of diasporic mobile spaces of security. Embroidering umwelts for the Hong Kong diasporic community in London, to accommodate for the daily catastrophes of negotiating with belonging and their homes.

Derived from memories of living and space - the private and semi-public intergenerational spaces of living, the design aims to be an "extension of living or the home" for the diasporic community, creating places to dwell, for the re-creation of the memories of daily life where gatherings, debating, playing, living, rituals, ceremonies and more can occur. Blurring the boundaries between the new 'living space' and its setting, extending the home into the city, creating alternative living rooms.

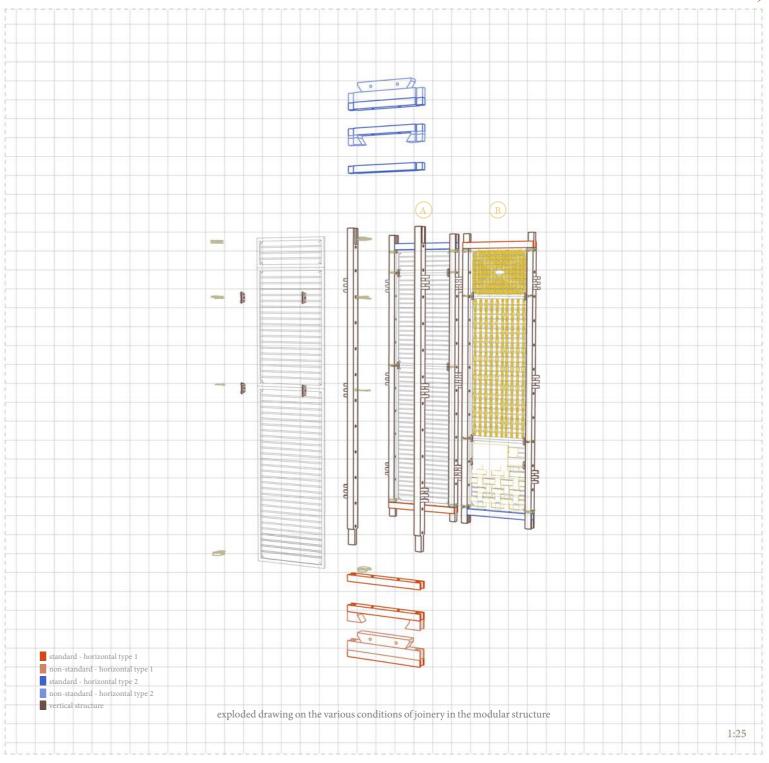
By proposing a series of scalable and portable structures, this project aims to break down, analyse, discover and reconstruct, banal moments of living between Hong Kong and London. Enabling spaces that UK is lacking of for the newly migrated Hong Kong community. Where critical engagement with banal objects, and visual and spatial familiarity, of both Hong Kong and UK, becomes the materiality for embroidery, allowing one to weave their stories into the new context, imprinting in space. This project, stresses on making as a form of re-engaging with space and belonging, through the ongoing engagement of the diasporic community collectively making together, building, 'embroidering', reconfiguring, inhabiting and more, new non-hierarchical enclosues, or portable living rooms, for collectivity, cohesion, togetherness, belonging are created, new alternative living rooms.

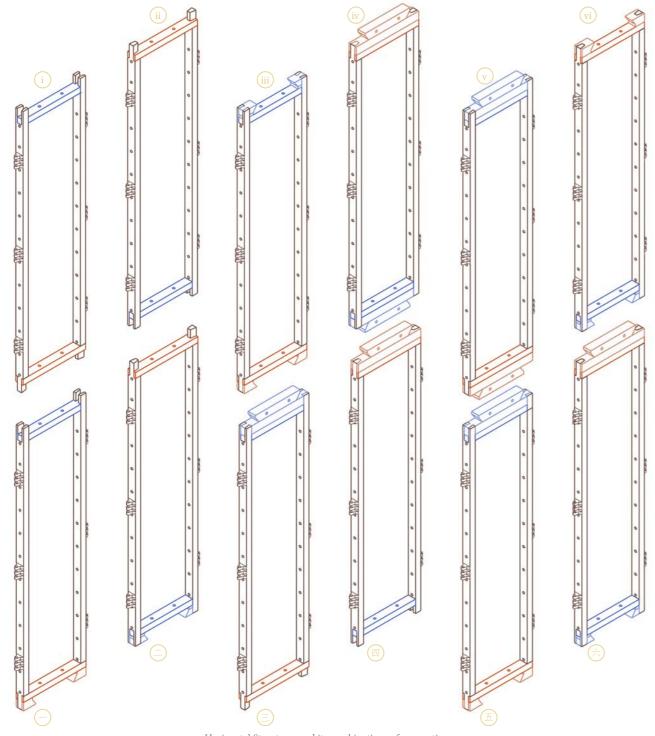
the structural elements

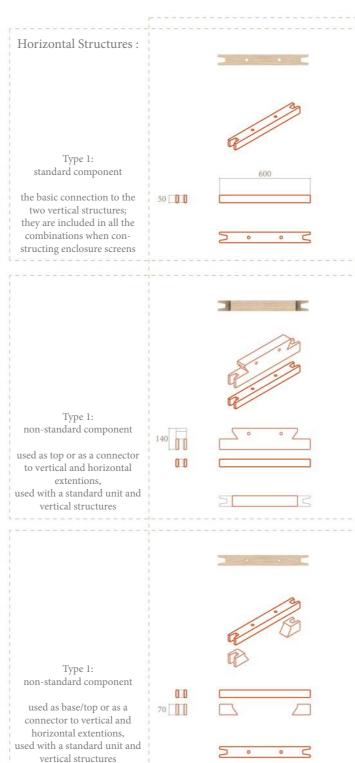


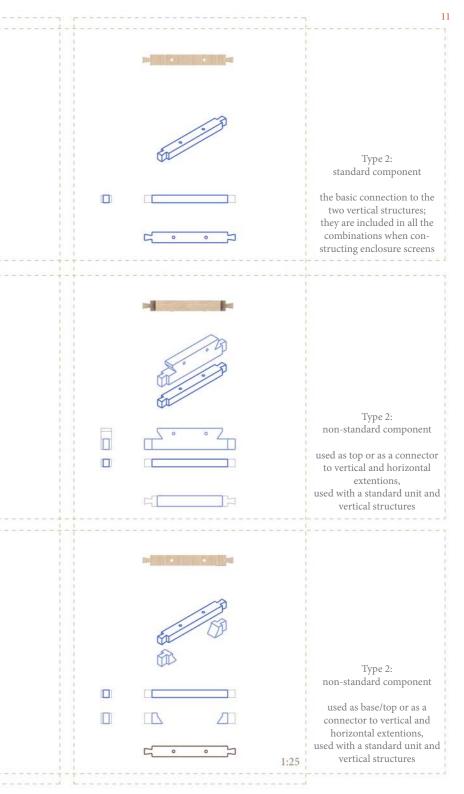
Dovetail Joinery:

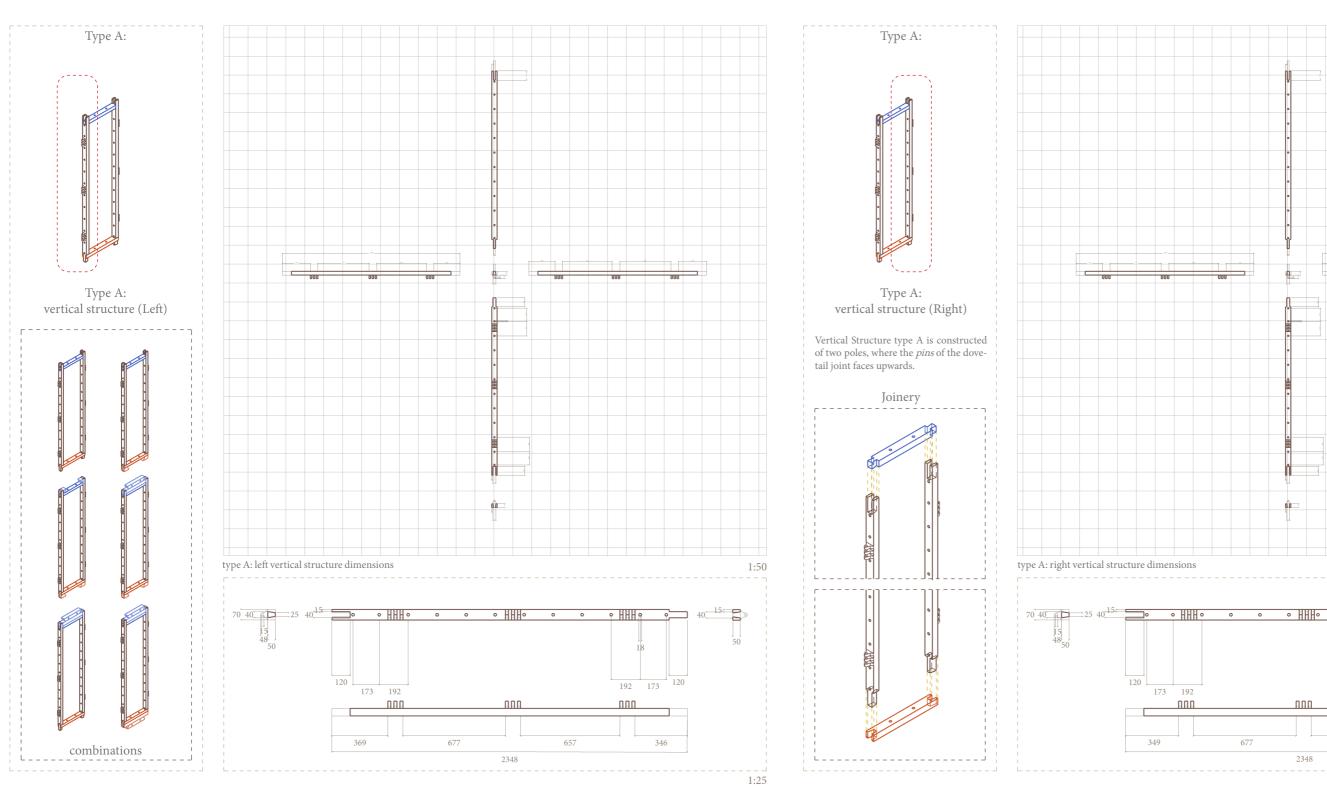
technique most commonly used in woodworking joinery (carpentry), including furniture, cabinets. A series of 'pins' cut to extend from the end of one board interlock with a series of 'tails' cut into the end of another board. The pins and tails have a trapezoidal shape. Once glued, a wooden dovetail joint requires no mechanical fasteners.

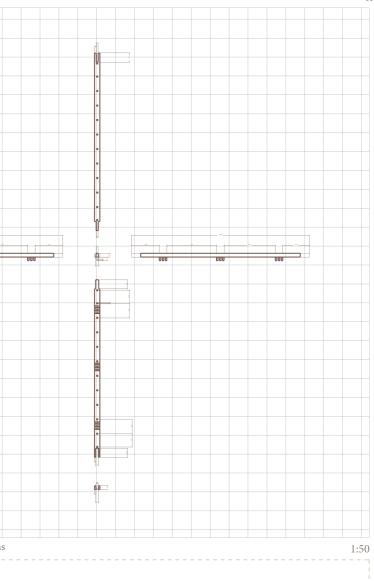


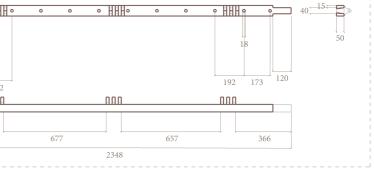




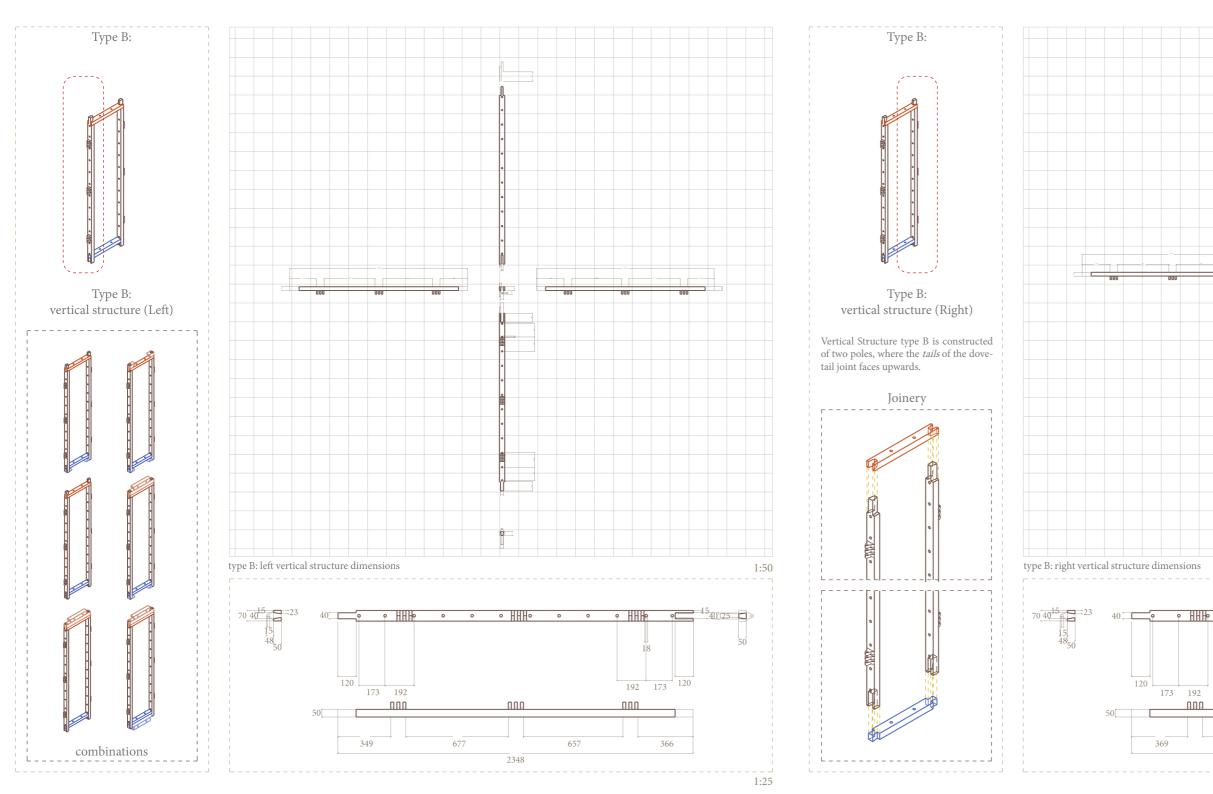


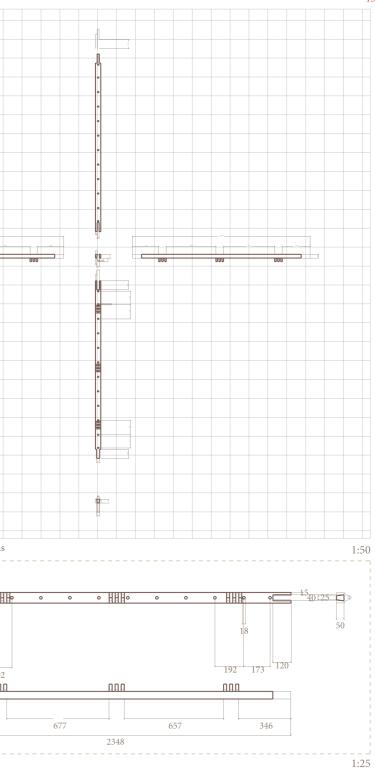


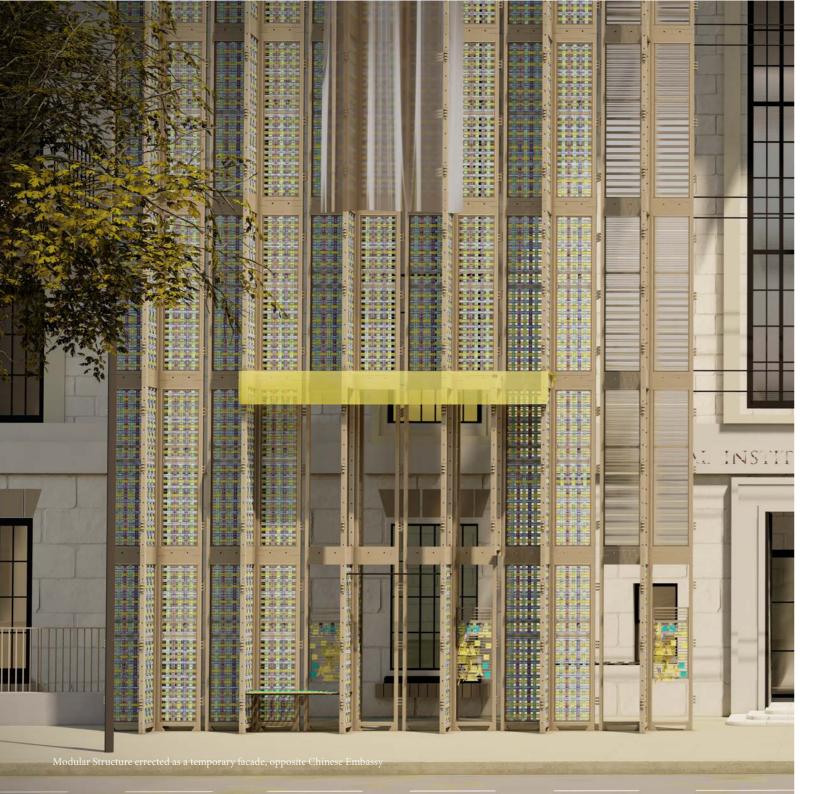




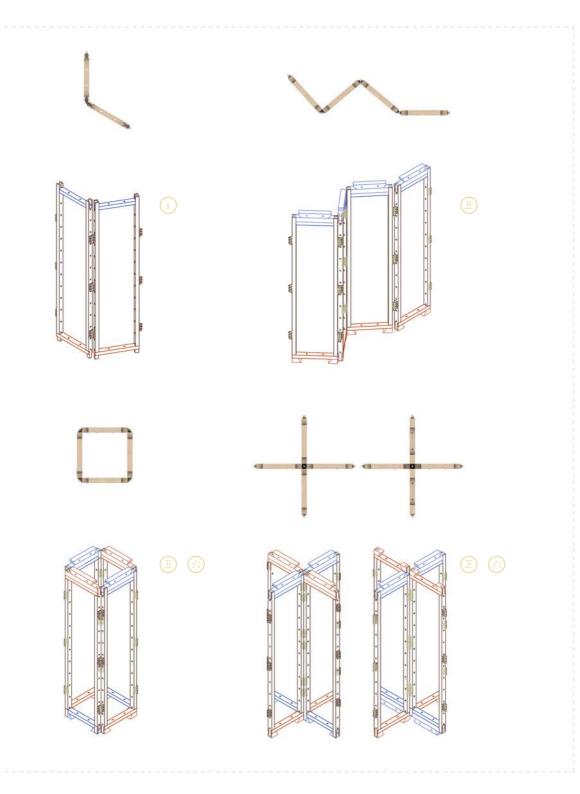
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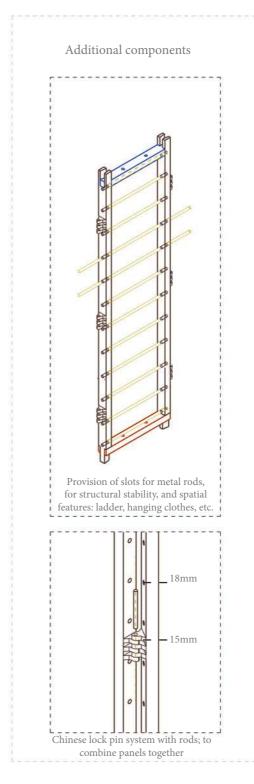






combinations



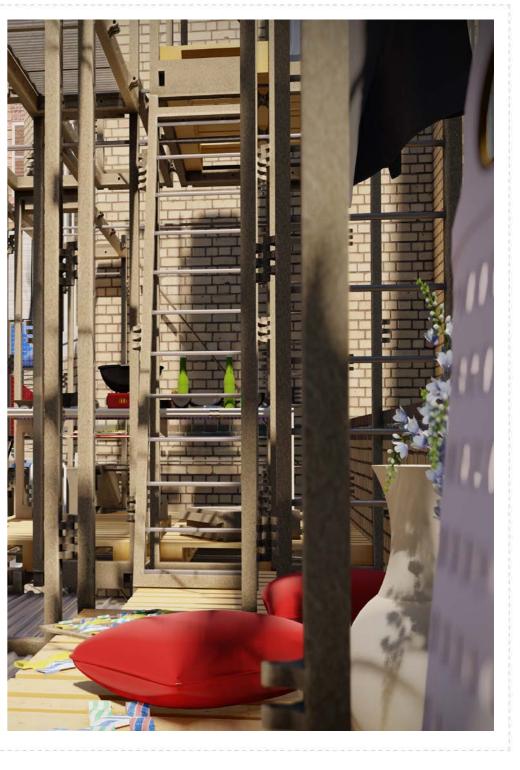


Configurations with 4 Pan-

els and more: Structures can be combined and expanded as sceens and

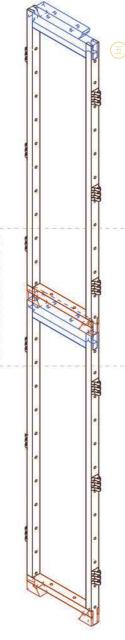
enclosures; creating vertical and horizontal extentions. These allow possibilities of more stability, more privacy, openess and more, allowing individuals to create their

own enclosures.



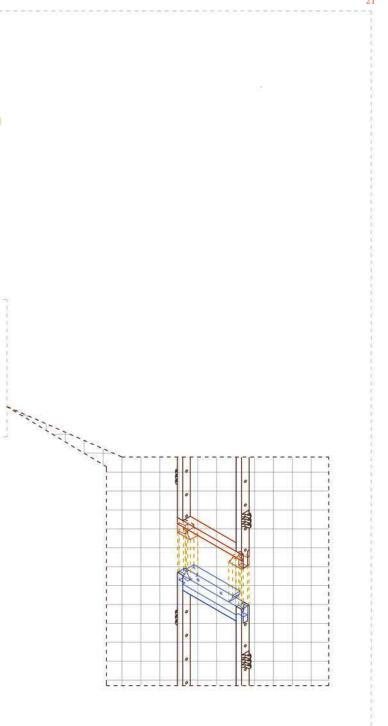


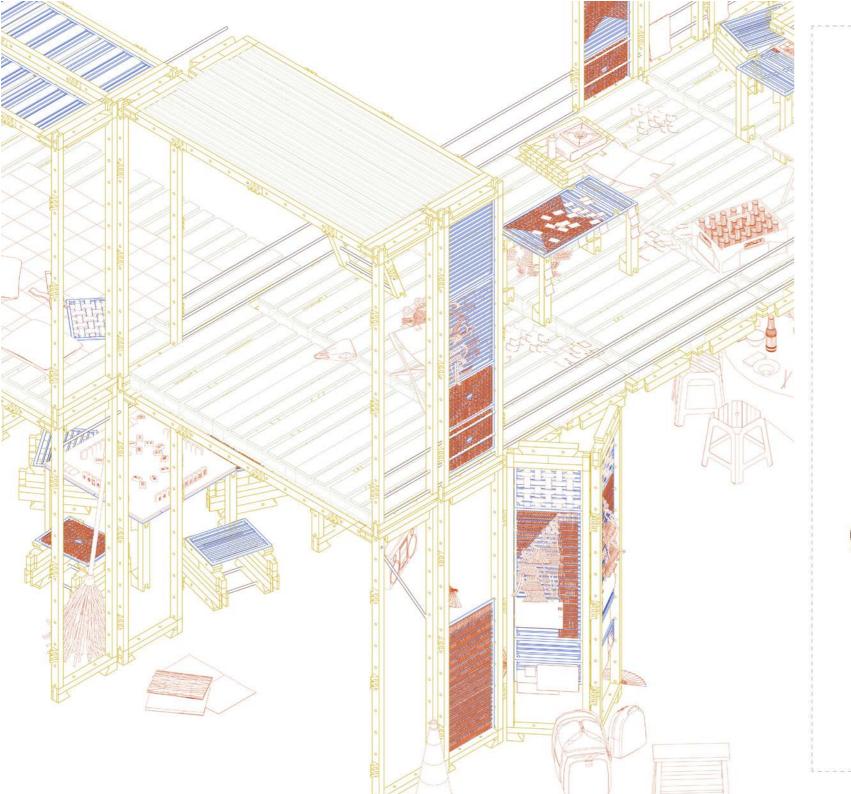
Verticality and Span



Vertical, upwards expansion through joinery with type one and two non-standard horizontal structures.

The two fit like a puzzle and with one more set of such vertical configuration, one is able to thread through 2 or more metal rods to secure the structures in place.

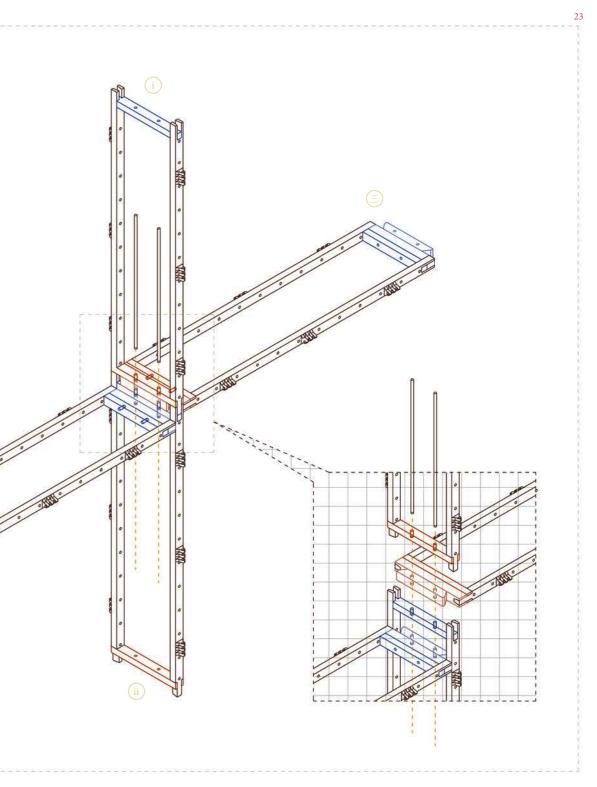




Verticality and Span

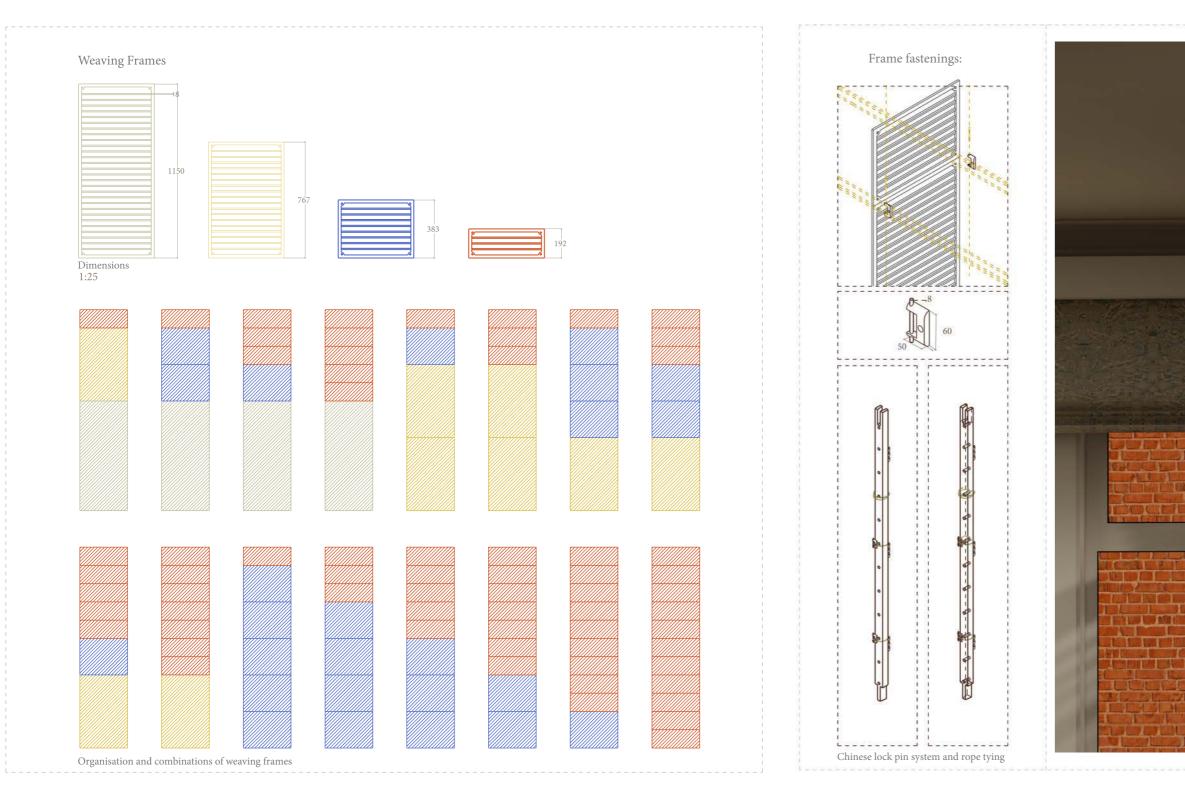
Vertical and outwards expansion, through the stacking of 4 specific configurations as shown; the joinery allows one to set the structures in place by threading through a metal rod at the provided slots, clamping the entire span and verticality of the structure in place.

This configuration benefits from two sets or more of such, to fix each other in place, allowing it to be structurally stable. However, diagonal bracing can also be added when built at taller or larger scales.

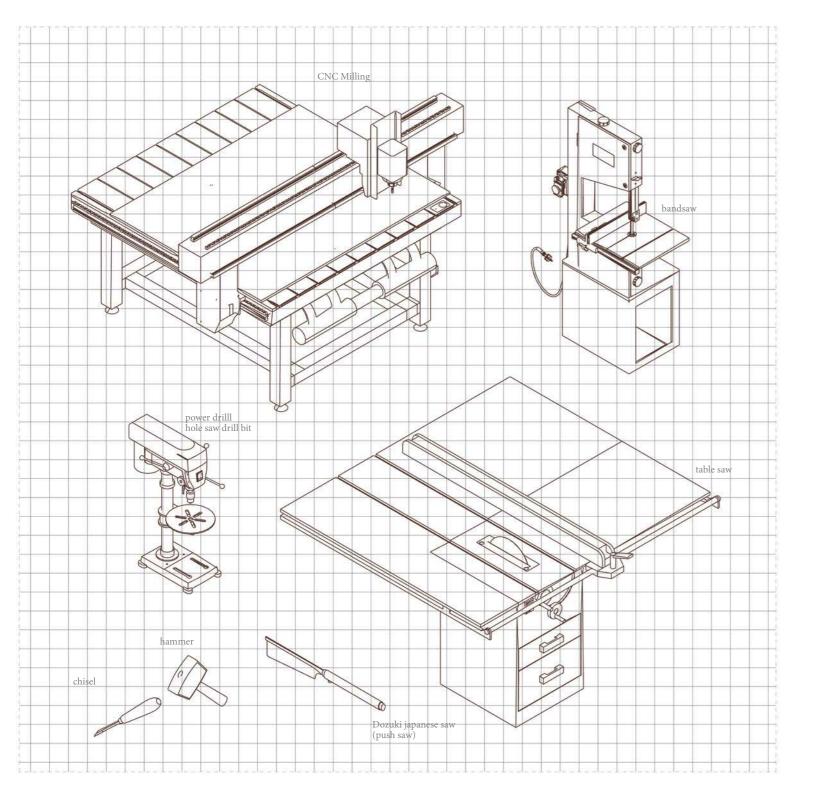




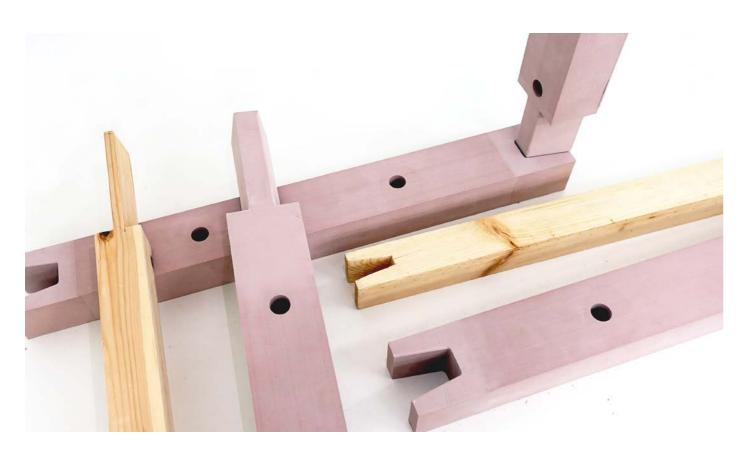
weaving frames

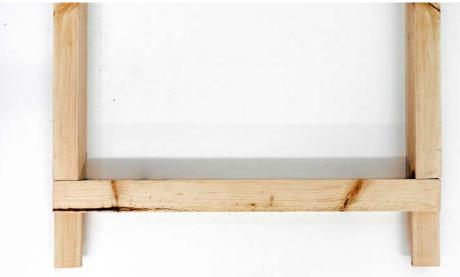


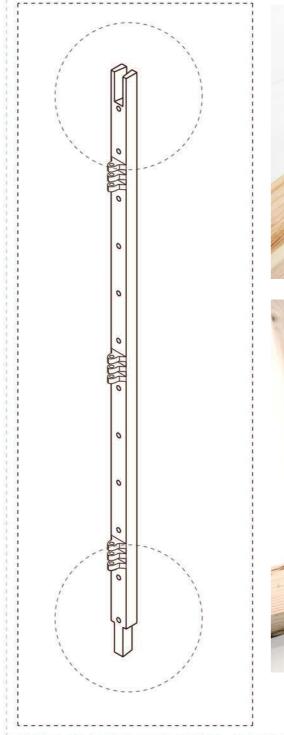




making

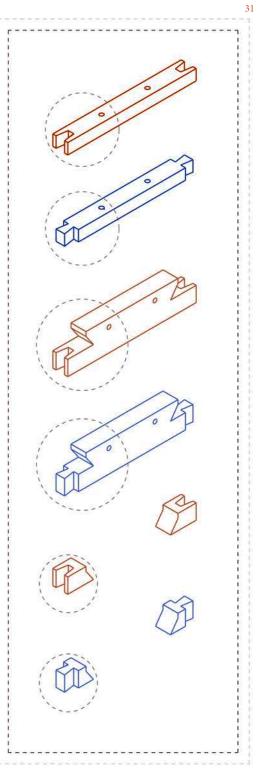


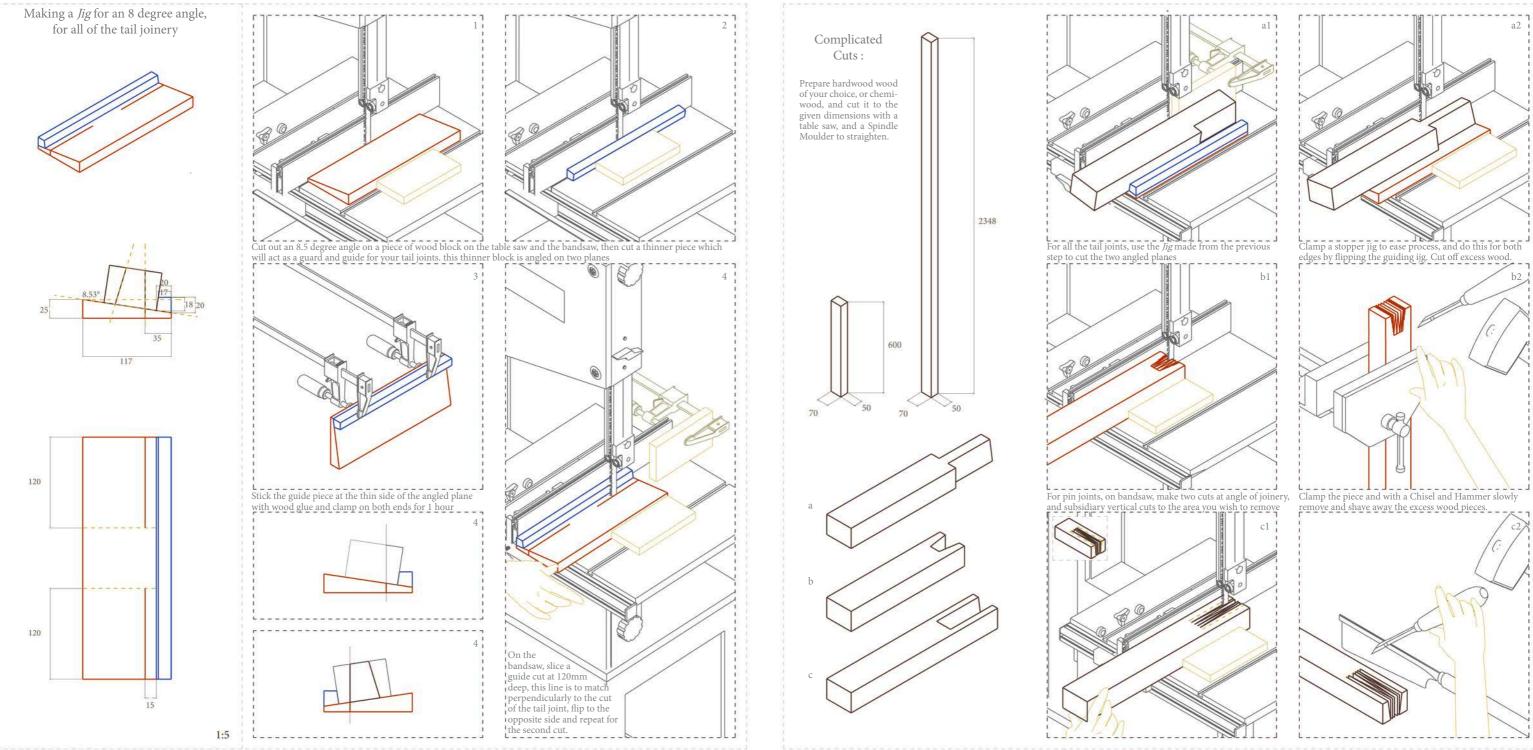


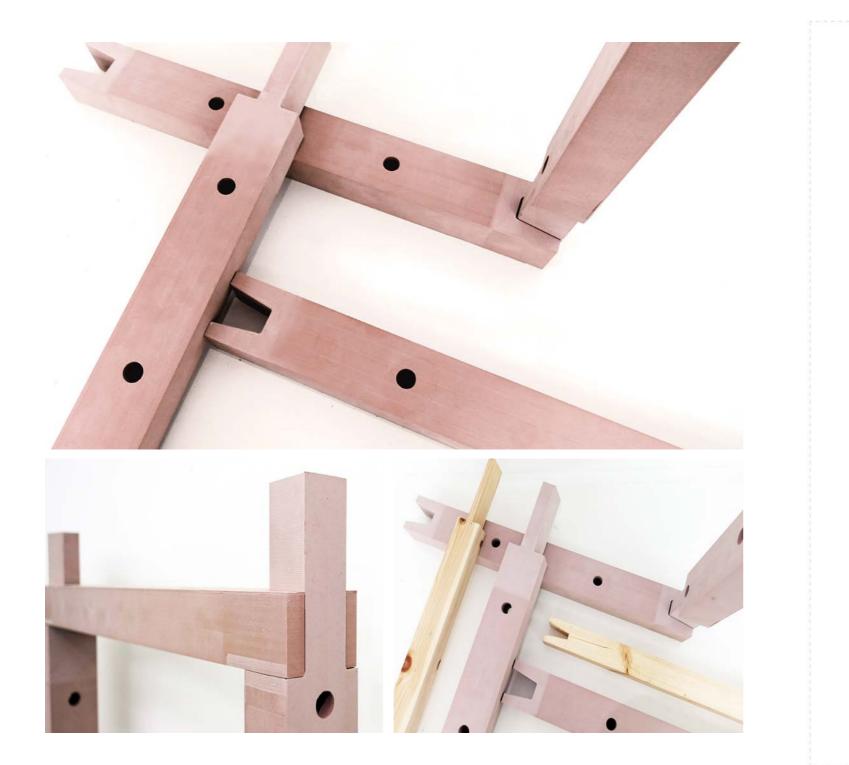




Woodwork: Complicated Cuts (angled joinery) demonstration and steps

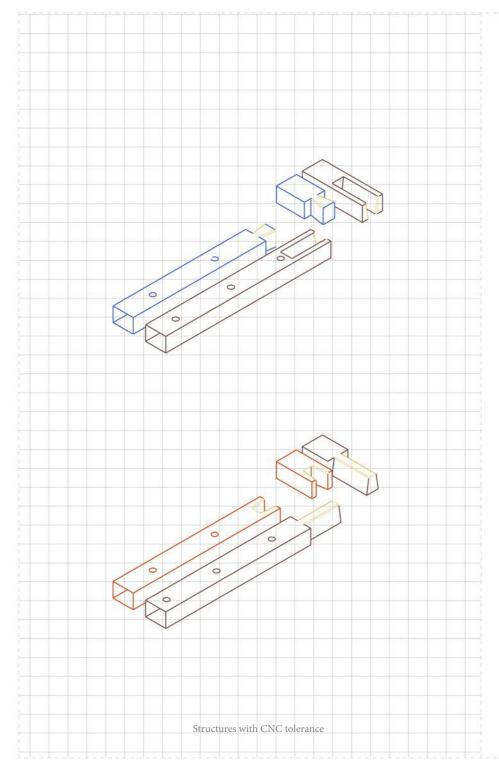


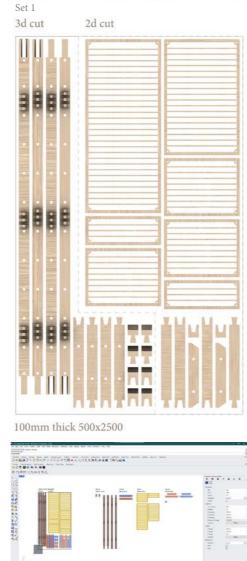




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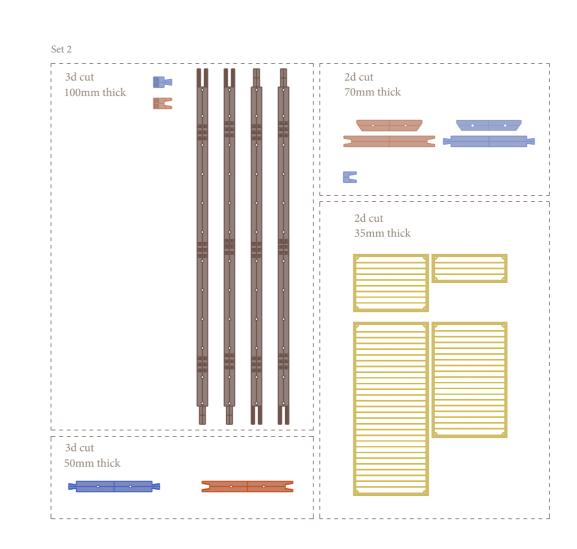


For printing in CNC, there needs to be a tolerance left for the drill bit as it mills, as some of the edges become curved the CNC file has consequently been reconfigured to fit the tolerance of the CNC machine.

These files can be found in :

3dm: https://drive.google.com/file/d/1rxigkPRqvAx-sxyT0d3sUmeuu35XCSO8Y/view?usp=sharing

STL: https://drive.google.com/file/d/1rJLAoxmZD-5FoS44aPFlXk0trJiRdNhvc/view?usp=sharing



The files provide information on the thickness, width and cut, of the pieces. It is seperated into two combinations:

1. A set of two basic panel structures, with all the subsidery horizontal, vertical, weaving panel, and hinge pieces. Allowing one to create all the two panel combinations wanted.

In which the 3dm file provides the full set, whilst the STL file only provides the first set.

- 2. A set that provides one with the specific information of each cut and the subsidery thickness of materials required for such cuts, allowing user to mix and match their desired combinations.



