



# circl

centre for innovation in  
regenerative communal living

## Reviving the Rural manifesto

**THE CHALLENGE**  
Events of recent years highlighted the need and the urgency for increased local and regional resilience.

There is a desperate need for alternatives in three crucial areas: energy, waste management and food production – and the 90% of British territory considered 'rural' will play a key role in this challenging transition.

Monocultural farming is causing a rapid degradation of vast areas of soil and global ecosystems while fragility of global supply chains often affects the rural areas the most. They are trapped in exploitative relationships extracting the value from countryside to metropolitan centres – which is needed but should not be done at a cost of slowly degrading those crucial ecosystems while giving in return insufficient and often only monetary compensation.

There is a need to rethink these relationships and strive for a healthier social and economic model and a shift towards circular economy in Europe presents a great opportunity.

**THE OPPORTUNITY**  
With the shift towards circular economy and advancements in increasingly low-cost and subsidised local energy production systems there seems to be a right moment for revival of resilient and more self-reliant neighbourhoods.

European rural areas not only present massive opportunity in production of bio-based circular materials for new economy but also offer a rich body of knowledge and unique cultural experience accessible to many.

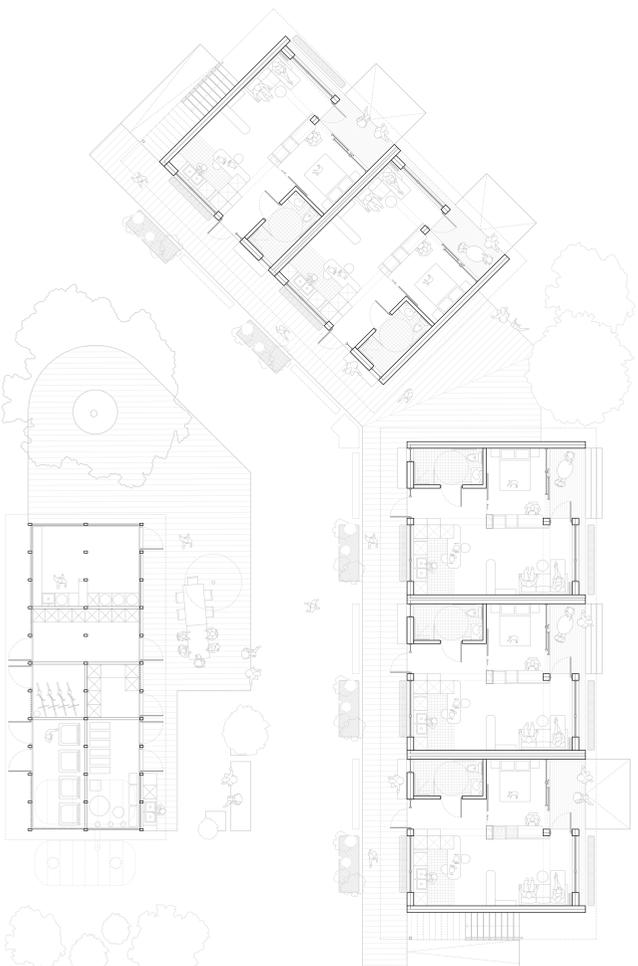
The identified resource and manufacturing potential hidden in sustainable management of Polish forestry presents an opportunity to translate those aspirations into architectural interventions through smarter supply chains of prefabricated engineered timber components.

**THE SOLUTION**  
Instead of looking at empty farmlands the project recognises the opportunity lying in currently mostly abandoned former State Owned Farms scattered across Germany and Western Poland. Often occupying prime locations within existing villages those estates present an interesting opportunity to adapt existing agricultural buildings and reimagine those historically difficult areas while serving an already established communities and networks.

While dealing with matter and environment the project also explores social aspects by imagining new models of communal living combining housing for seniors permanently occupying the place with housing for visitors who mix and engage with vibrant everyday programme focused on education in permacultural practices and celebration of local cuisine.

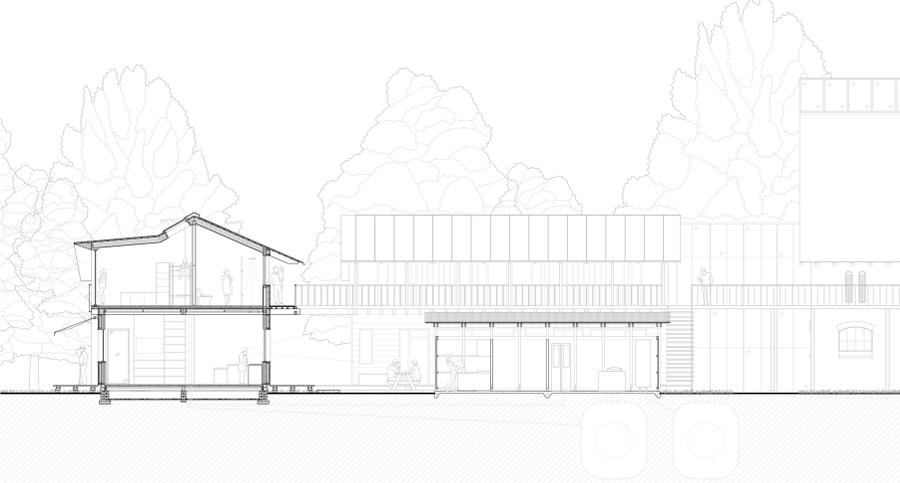
This particular response serves as a model which could be adapted to multiple different locations recognising their unique values and opportunities. I believe that if applied at scale, by strengthening the countryside in multiple areas at once we can have a significant positive impact and ultimately increase the resilience of our cities and entire regions.

"The inevitability of Total Urbanisation must be questioned, and the countryside must be rediscovered as a place to reside, to step above, enthusiastic human presence must reanimate it with new imagination." - BK



LIVING CLUSTER GROUND FLOOR PLAN. SCALE 1:100

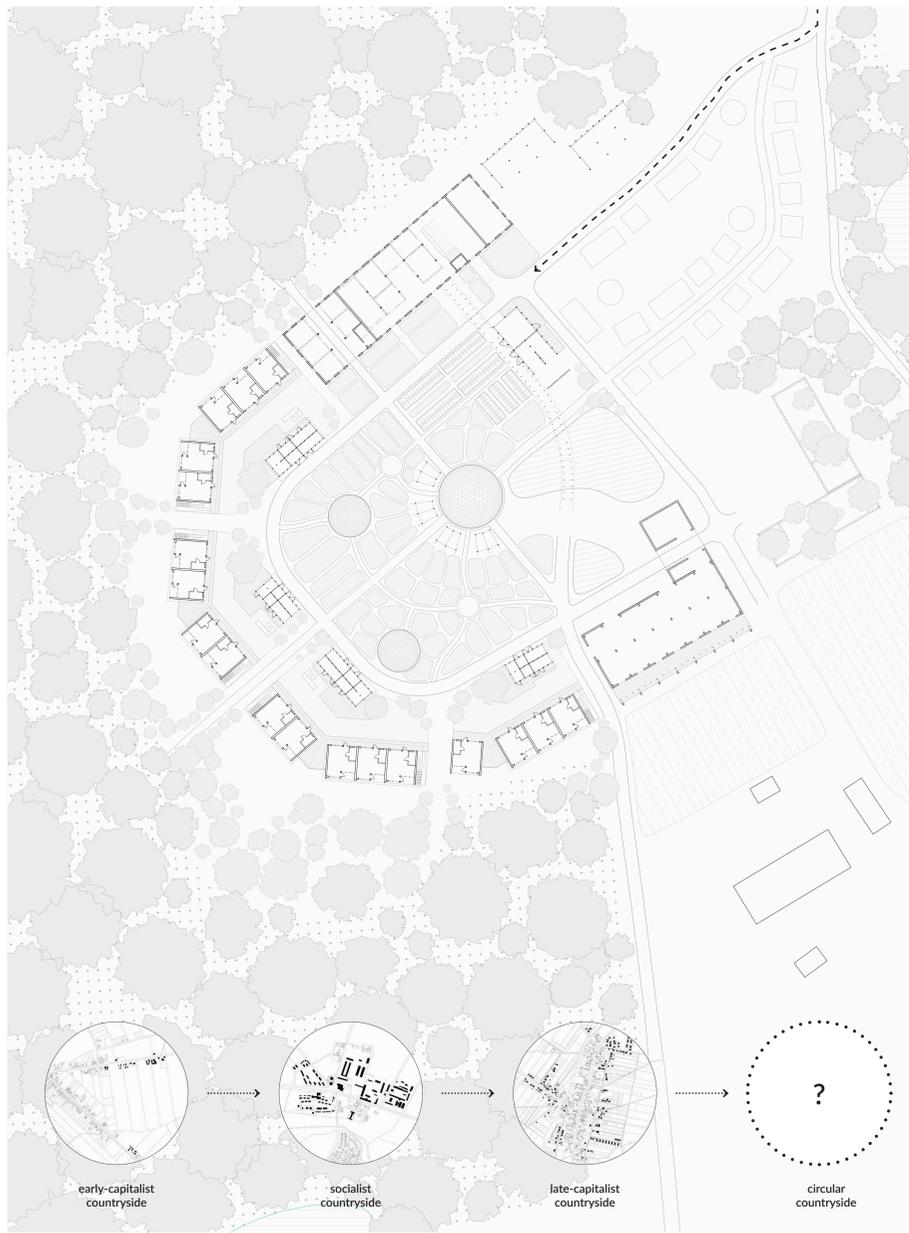
SECTION THROUGH HOUSING CLUSTER. SCALE 1:100



SAYING GOODBYE TO VISITING FAMILY MEMBERS. VIEW FROM MAIN PEDESTRIAN ENTRANCE. EARLY MOIST MORNING



MASTERPLAN. SCALE 1:1000



**DIGITAL TWIN MODELLING RESOURCE CONSUMPTION AND PRODUCTION**

x mld/ha	2 810 m <sup>2</sup>	4 915 m <sup>2</sup>	12 000 l/day	3000 l/day

**HISTORICALLY DESIGNED NEIGHBOURHOOD ECOSYSTEM**

34	65	5 500 m <sup>2</sup>	10 500 m <sup>2</sup>	800 m <sup>2</sup>	2 500 m <sup>2</sup>

By capturing data about neighbourhood environment and integrating data of the an data processing methods and prediction models – not only we will optimise the neighbourhood's energy functioning, but crucially we will be able to learn and adapt to improve wider network of smart villages.

early indication of soil and local environment health

On the other hand, by introducing easily applicable and understandable permacultural principles in the physical environment village will stimulate participation at all levels and encourage visitors to apply some of the methods in their own neighbourhoods.

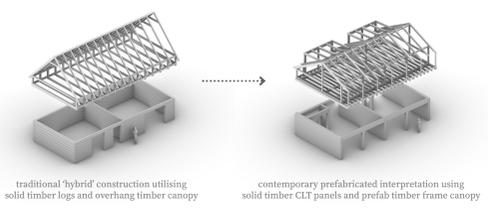
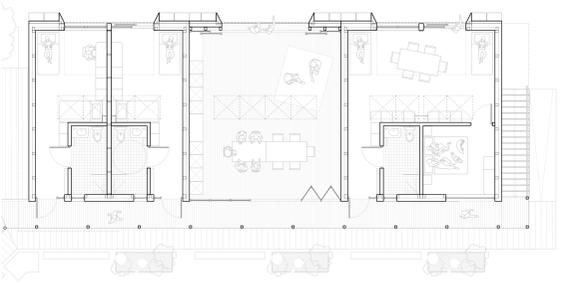
Over time such model could serve as a proof of concept or a template for improvements to justify not only environmental but also economic validity of similar interventions.

EARLY SATURDAY MORNING. FARMER'S MARKET OPENS UP IN FRONT OF CIRCLE VILLAGE.

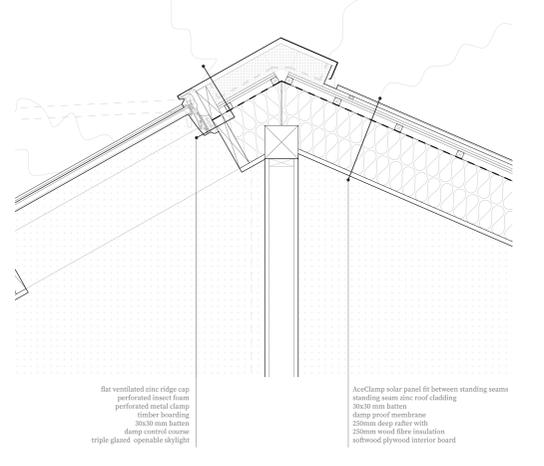




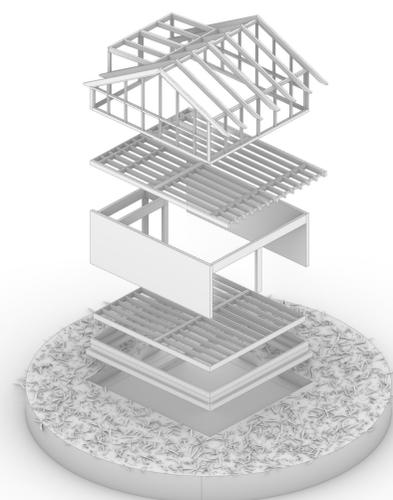
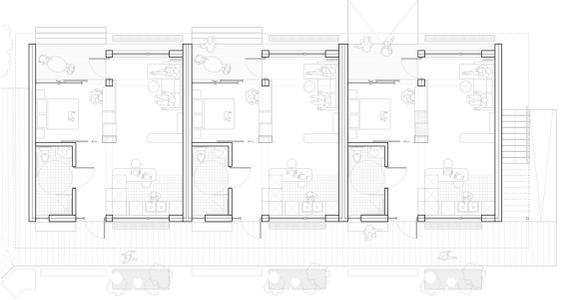
FIRST FLOOR, GUEST SUITES, SCALE 1:100



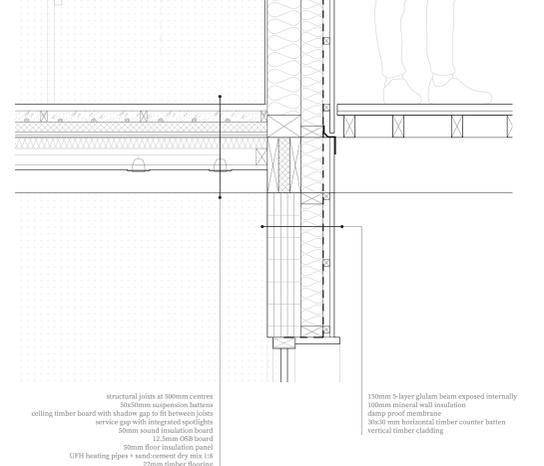
STANDING SEAM ZINC ROOF DETAIL, SCALE 1:30



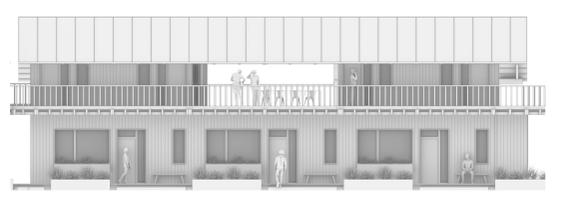
GROUND FLOOR, SENIOR SUITES, SCALE 1:100



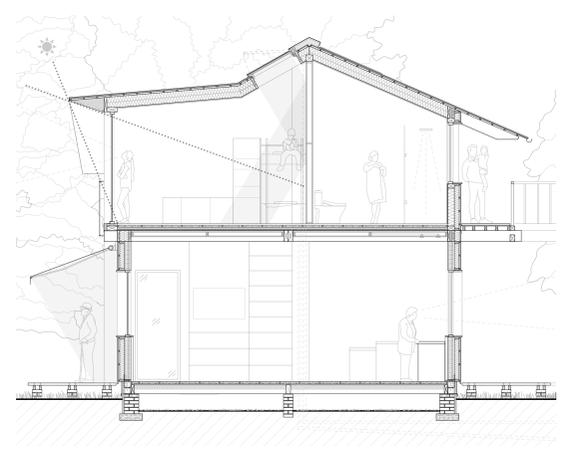
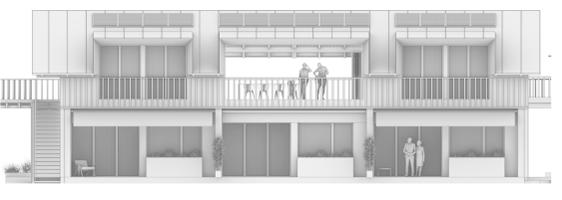
WALL TO FLOOR DETAIL, SCALE 1:10



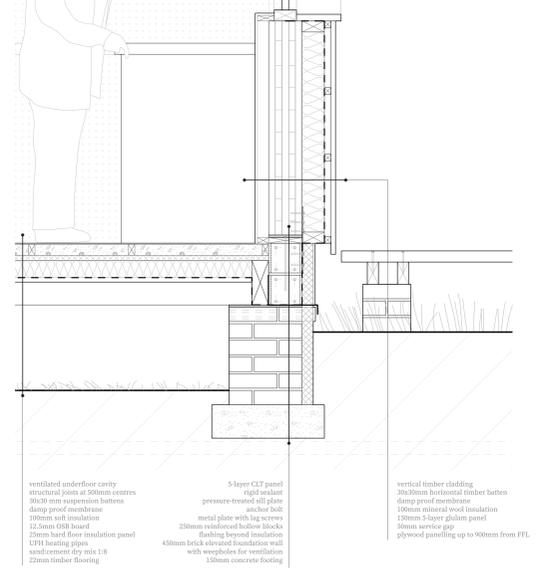
FRONT ELEVATION, FACING COURTYARD, SCALE 1:100



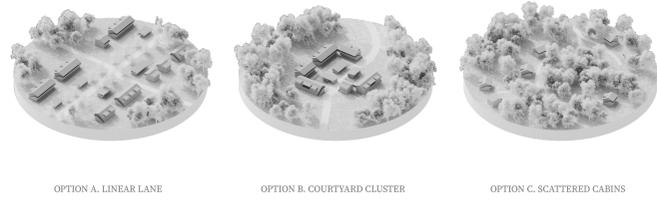
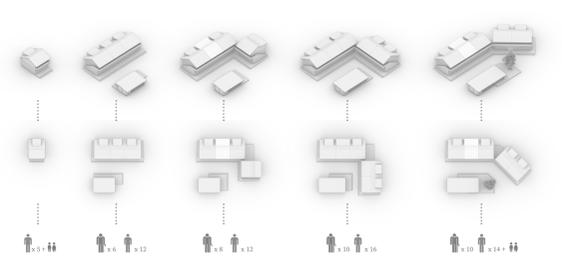
BACK ELEVATION, FACING FOREST, SCALE 1:100



FOUNDATION TO FLOOR DETAIL, SCALE 1:10



DIAGRAMS OF POSSIBLE CLUSTER CONFIGURATIONS.



COMMUNAL FRONTYARD, WARM AFTERNOON IN MAY.

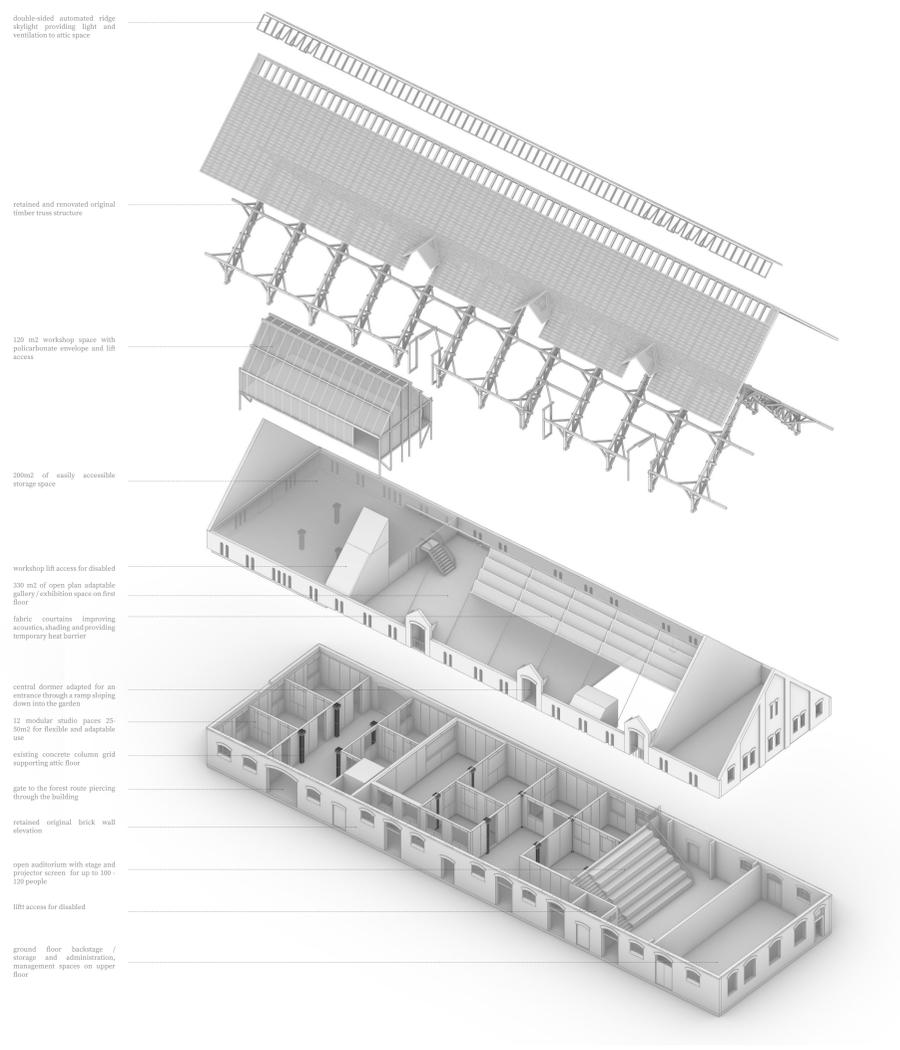


PRIVATE BACKYARD FACING FOREST, HOT SUMMER DAY.

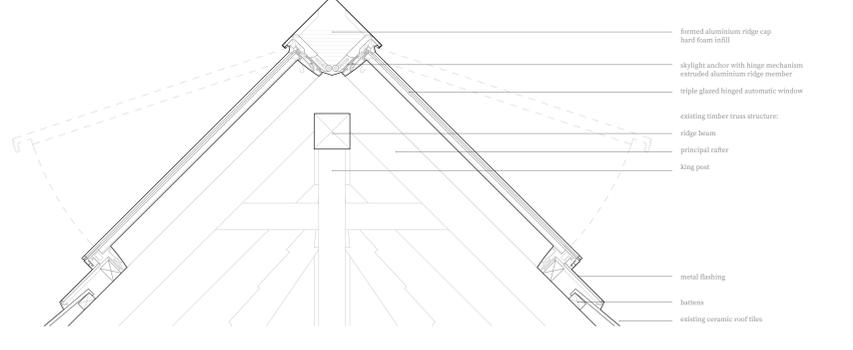




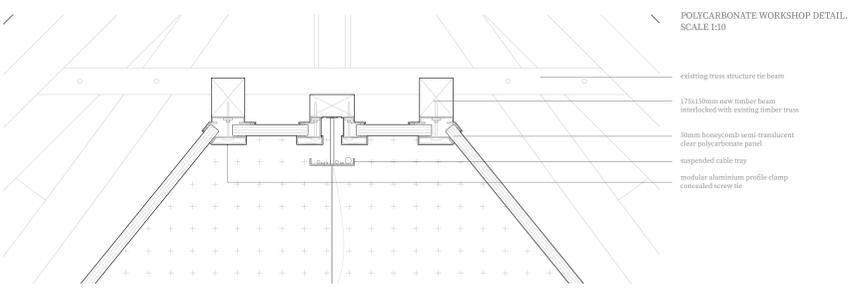
EXPLODED AXONOMETRIC VIEW OF PROPOSED GRANARY BARN ADAPTATION



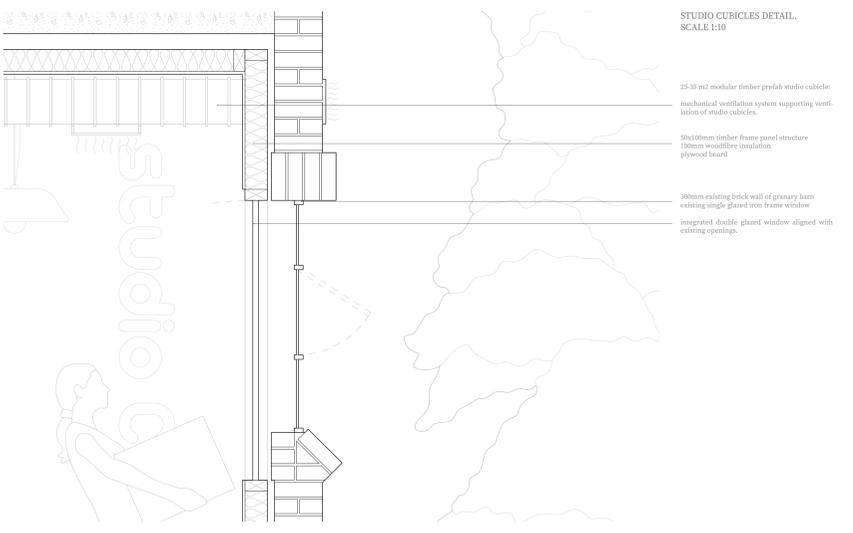
RIDGE SKYLIGHT DETAIL. SCALE 1:10



POLYCARBONATE WORKSHOP DETAIL. SCALE 1:10



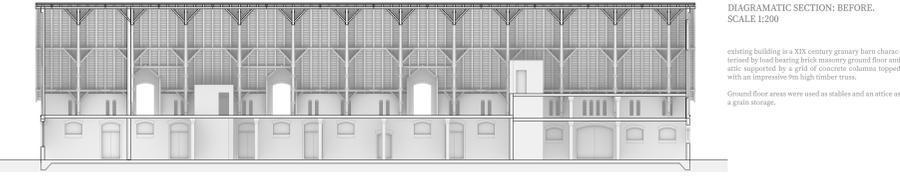
STUDIO CUBICLES DETAIL. SCALE 1:10



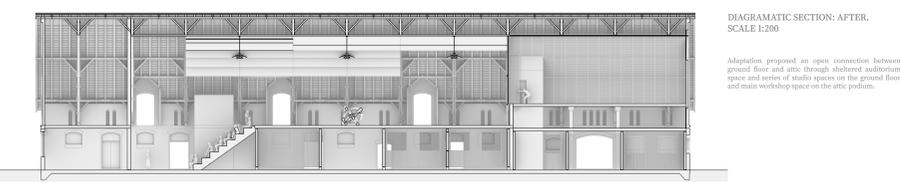
CROSS-SECTION THROUGH PROPOSED WORKSHOP SPACES. SCALE 1:100



DIAGRAMATIC SECTION: BEFORE. SCALE 1:200



DIAGRAMATIC SECTION: AFTER. SCALE 1:200



APPLIED PERMACULTURE WORKSHOP IS ABOUT TO RESUME AS GUESTS GATHER IN THE AUDITORIUM AFTER A BREAK.



PLANNING AN UPCOMING EVENT FOR VISITING STUDENTS AT MAIN WORKSHOP. LATE EVENING.

