Breathe on the land.

In the contemporary world, there exists a clear boundary between human and nature. "Nature" is often referred to as plants or animals from which we exclude ourselves. This project aims to reintroduce the word "nature", using the surrounding remnant grassland as an opportunity to reimagine the future life of living on grassland.

Existing Building

The main challenge of this project is to achieve a delicate balance between preserving the existing heritage while tackling and upgrading the environmental and functional performance for the next 50 years and more.





Key Moves

Edge Conditions

The open-air corridor gives back a level of control to other souls on country. Here, grassland starts to seep in and erode the boundary, visually blurring the edge. Wind, other grassland animals, and our circulation determine the changing landscape over time.





material palette at open-air corridor



The site is located in the high-strategicbiodiversity-values zonem with a few pieces of connected remant grassland on the west. Stony Creek and Jones Creek flow through these areas. Grassland restoration has the potential to integrate the site into the ecological corridor.

Two major residential areas fall within the 1km catchment area around the community centre. To the west lies the future Sunshine Energy Park, expected to undergo a drastic transformation in terms of size and demographic composition after its anticipated completion in 2050.



1. universal workspace (co-working/education/training)

retain significant heritage area



offset an inner skin around periphery



ST ALBANS



restore native grassland

Flexibility



Furniture and various sliding devices are allowing for a more versatile use to meet changing demands over time.

Ground Floor Plan

2. bushfood makerspace 3. bike storage 4. toilets 5. seedbank 6. atrium 7. bushfood farmers' market 8. shared kitchen 9. cafe kitchen 10. cafe



The open-air corridor transforms the existing inward-looking plan into an outward-looking plan, breaking the point-to-point circulation and promoting movement along the periphery with new porous access to the grassland and other entry points.

A new standalone building is proposed on the west for childcare, addressing safety concerns and creating a more immersive teaching environment on grassland.









the southwest is more public and holsy



Interwoven boundaries on grassland

The existing building consisted of a hard boundary between programs and greenery, humans and other beings on the land, and indoor and outdoor spaces. A new semi-open area is proposed around the periphery to reintertwine the relationship between humans and other beings through expanding our everyday life on the grassland.

Open-air corridor

0 1 3 5m

This semi open area is created by offsetting an inner skin around the periphery. It creates a new buffer zone where indoor programmes can expand its capacity and merge with grassland.

Grassland plays a different role to when it interact with different programmes. (e.g. grassland x makerspace, grassland x cafe, grassland x farmers' market grassland acted as exhibition, workshop, cafe, farmland, market and more).

Structures and Material Selection

Existing structures are largely retained, including all areas of historic such as walls, columns, a floor plate except for those al

The addition of a new faca easier implementation of strategies without cor existing heritage. For examp of insulation and the rea glazing can be accom covering or penetrating the

The materials selection choose materials with a long quality that requires minima and replacement. For instan is selected for outdoor st its increased resistance corrosion over time, while carbon-sequestering mate products. Concrete flooring i

> 2. proposed compressed earth block 3. existing concrete slab

indoor	outdoor	indoor	semi open area	outdo
humans	other souls on country	humans	exchange	other souls on count
programme	grassland	programme	grassland as	grassla

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Bushfood Makerspace

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Bushfood Farmers' Market

cal significance and most of the long the edges.	
ade enables the f environmental mpromising the ole, the addition arrangement of plished without e existing walls.	
strategy aims to g-lasting, robust al maintenance ice, corten steel tructures due to to atmospheric e interiors utilise	
erials like timber is proposed for s and durability.	

added initial embodied carbon	2115
added recurrent embodied carbon over 50 years	880
total added embodied carbon	2995
total added embodied carbon per m ²	0.8
Operational Carbon	
proposed energy use (Passivehaus)	97 M
on site energy generation	157 N
on site energy generation percentage	16
net operational energy use	-61 M
total operational GHGE over 50 years	-325
total operational GHGE over 50 years per m ²	-0.9
net operational energy use per m ²	-17 M
	2030

Thermal Comort & Performance	
treated floor area	3368m ²
insulated surface area	5651m ²
form factor	1.68
treated floor area	3368m²
north-facing glazing	93.3m²
east-facing glazing	119.2m ²
south-facing	318.9m²
west-facing	131.1m ²
annual heating demand	3.2 kWh/m²a
annual cooling demand	6.3 kWh/m²a
L	





end of life, and allow easy disassembly to adapt to changing needs over decades.

community centre in 25 years.



universal workspace





Adaptability



internal partitions

connect with structural joints



ease of disassembly

2050 Sunshine Energy Park Office



follow existing structural grid layout

The 2 scenarios below shows how the same wall can easily rearrange to adapt to the changing roles of

form by three standardsized

during construction stage

before construction stage during construction stage grassland Restoration reclaim unwanted earth & grass harvesting compressed earth block casted on site

5. Education 6. First Nations Community Engagement