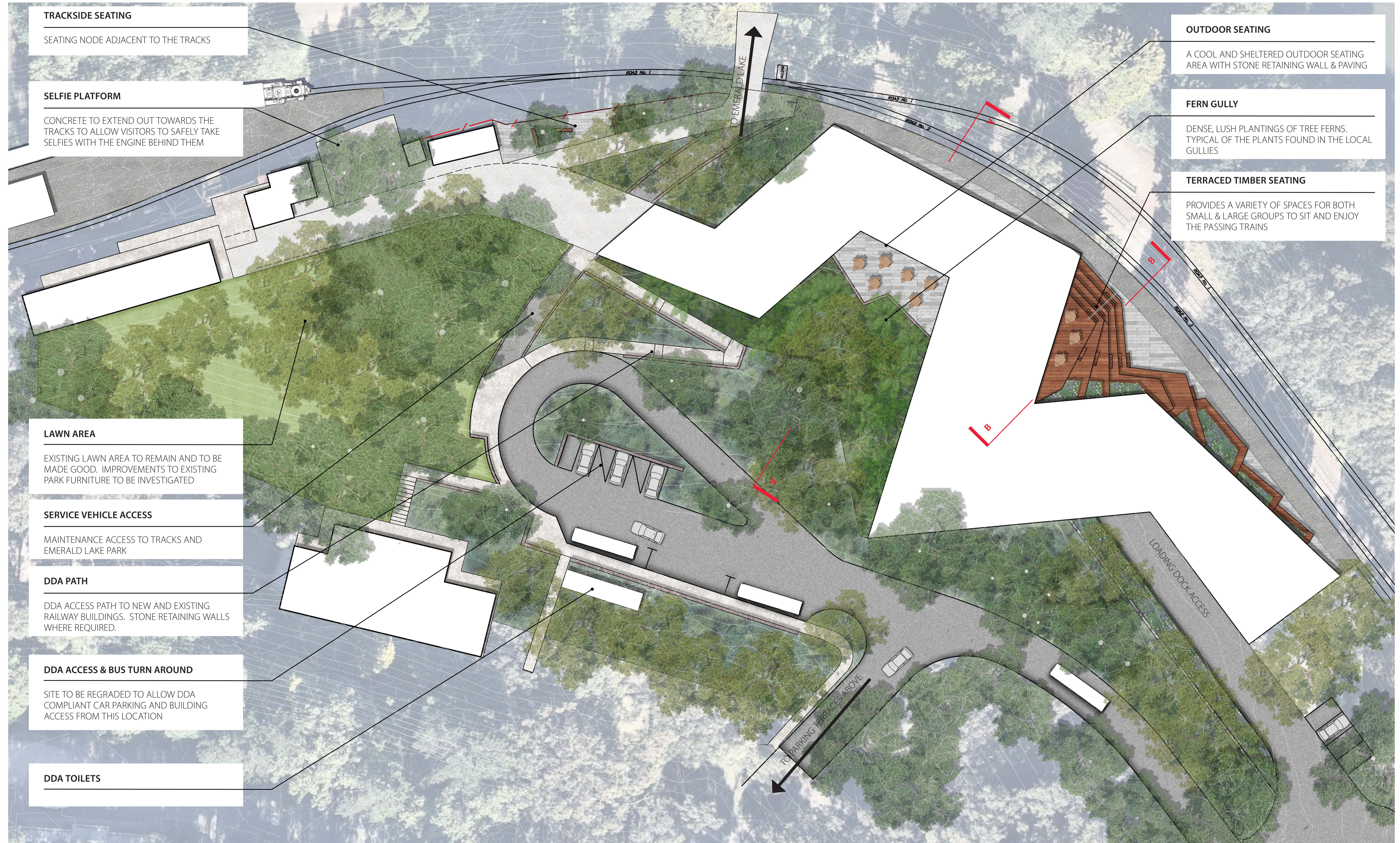


LANDSCAPE CONCEPT PLAN



TRACKSIDE SEATING

SEATING NODE ADJACENT TO THE TRACKS

SELFIE PLATFORM

CONCRETE TO EXTEND OUT TOWARDS THE TRACKS TO ALLOW VISITORS TO SAFELY TAKE SELFIES WITH THE ENGINE BEHIND THEM

OUTDOOR SEATING

A COOL AND SHELTERED OUTDOOR SEATING AREA WITH STONE RETAINING WALL & PAVING

FERN GULLY

DENSE, LUSH PLANTINGS OF TREE FERNS. TYPICAL OF THE PLANTS FOUND IN THE LOCAL GULLIES

TERRACED TIMBER SEATING

PROVIDES A VARIETY OF SPACES FOR BOTH SMALL & LARGE GROUPS TO SIT AND ENJOY THE PASSING TRAINS

LAWN AREA

EXISTING LAWN AREA TO REMAIN AND TO BE MADE GOOD. IMPROVEMENTS TO EXISTING PARK FURNITURE TO BE INVESTIGATED

SERVICE VEHICLE ACCESS

MAINTENANCE ACCESS TO TRACKS AND EMERALD LAKE PARK

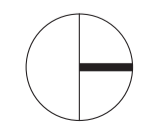
DDA PATH

DDA ACCESS PATH TO NEW AND EXISTING RAILWAY BUILDINGS. STONE RETAINING WALLS WHERE REQUIRED.

DDA ACCESS & BUS TURN AROUND

SITE TO BE REGRADED TO ALLOW DDA COMPLIANT CAR PARKING AND BUILDING ACCESS FROM THIS LOCATION

DDA TOILETS



SCALE 1:250 (A1)

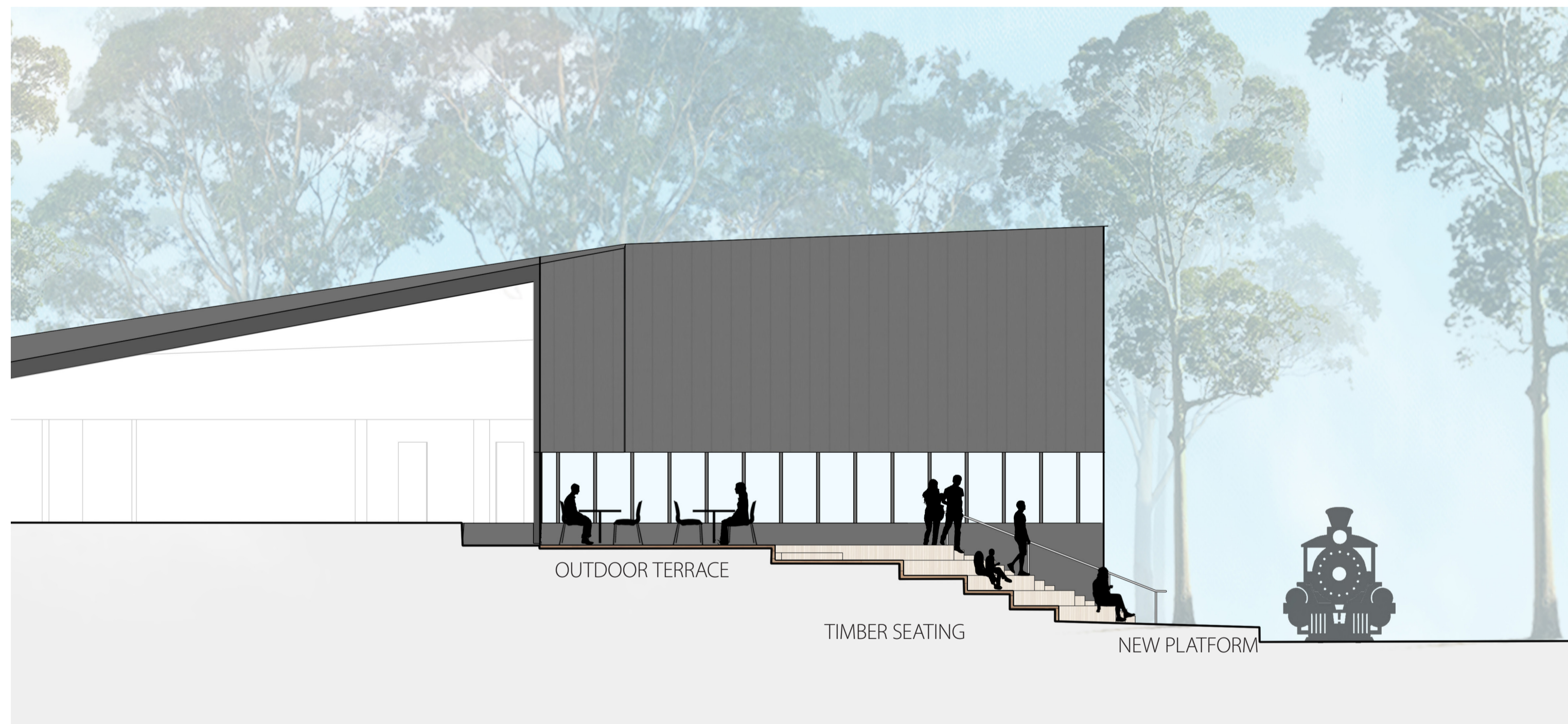


Tract

TERROIR



SECTION A

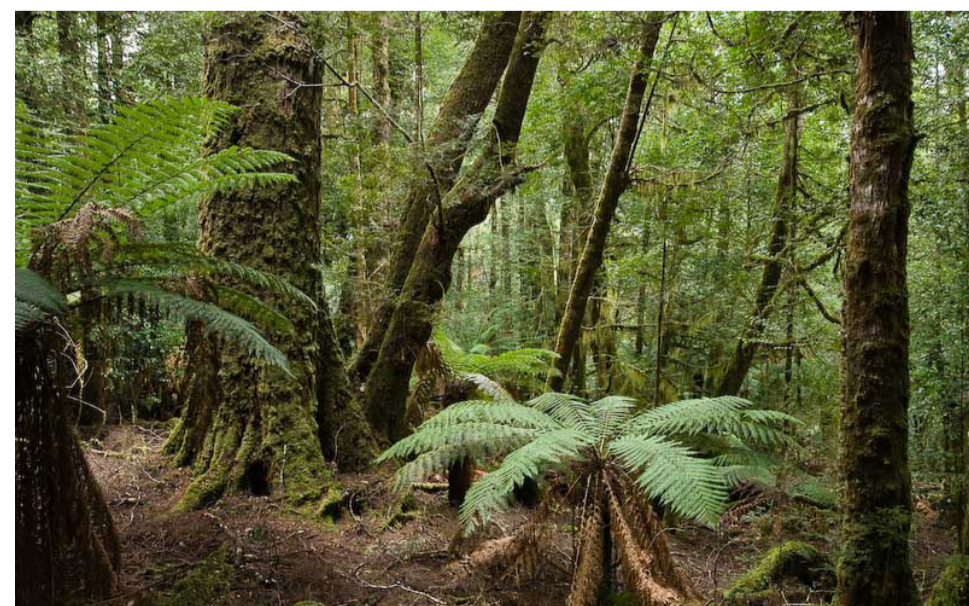


SECTION B

PLANTING CONCEPT



TEMPERATE AUSTRALIAN FERN GARDEN



RE-VEGETATION OF EXISTING SPECIES

MASTER PLAN DESIGN PRINCIPLES

The Master Plan design was shaped by a series of broad design principles that support the quality of visitor experience and the overall sustainability of the Puffing Billy Railway. These principles apply to the whole of the Puffing Billy network including the Lakeside Station setting.

Authenticity

The visitor experience must always be intimate and personal with a strong connection to individual places.

Puffing Billy rail stations are a functional part of each hill township and should always retain that relationship. Stations should retain a small and authentic scale and not be seen or developed as exclusive tourism 'enclaves'.

Volunteer Interaction

The PBR volunteers who operate and maintain the trains, and welcome and entertain visitors are central to the Puffing Billy visitor experience. Their role must be carefully managed to maximise the benefit of this unique human resource.

Connection to Place

The connections between the stations and townships are important to the quality of the visitor experience.

Puffing Billy Railway has the potential to serve as a centre piece of a wider system of recreational cycling and walking networks which collectively contribute to the idea of the Dandenong Ranges being a multi layered, all seasons leisure destination.

Wayfinding, Interpretations & Communications

Site design concepts must be supported by an overall strategy for wayfinding, interpretations and communications that delivers a consistent, legible and recognisable identity and communications strategy across the entire length of the Puffing Billy Railway.

Community

The PBR plays a significant role in the economy of the Dandenong Ranges communities and creates special opportunities for volunteer groups and for those who use PBR as a focus for a wider range of community building activities. PBR must facilitate these interactions, not function in isolation to the communities that it passes through.

Environment

PBR provides unique visual access to the environment and cultural landscapes of the Dandenong Ranges. Experience of the railway and experience of the environment are inextricably linked and mutually dependent. The Master Plan must act as a catalyst for integrated planning, landscape and environmental management.

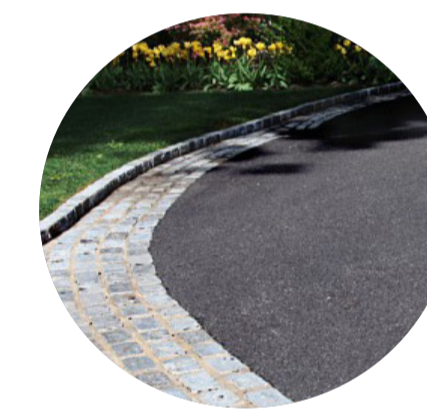
Unified Planning Controls

Development pressures adjacent to the rail corridor have the potential to negatively impact the scenic experience for Puffing Billy visitors. Yarra Ranges Shire Council and Cardinia Shire Council should collaborate to ensure that the rail corridor is protected from inappropriate change.

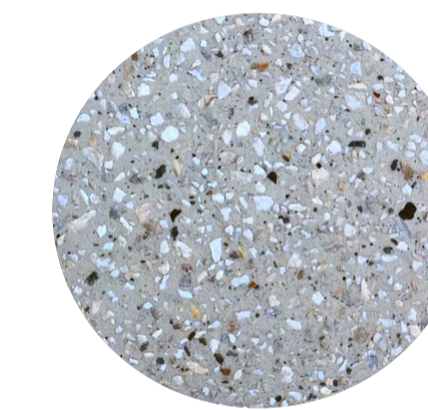
MATERIALS PALETTE



ASPHALT



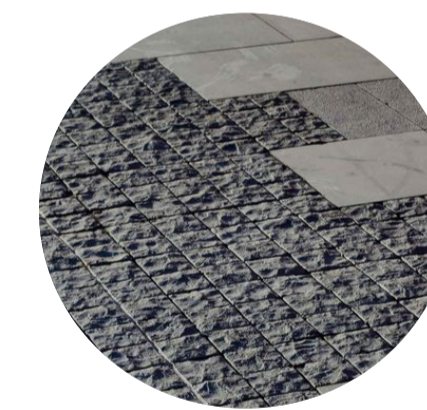
STONE EDGING



EXPOSED AGGREGATE CONCRETE



STACKED ROCK WALL



FEATURE STONE PAVING



TERRACED TIMBER SEATING

PLANTING PALETTE



INDIGENOUS TREES



LUSH COOL CLIMATE GULLIES

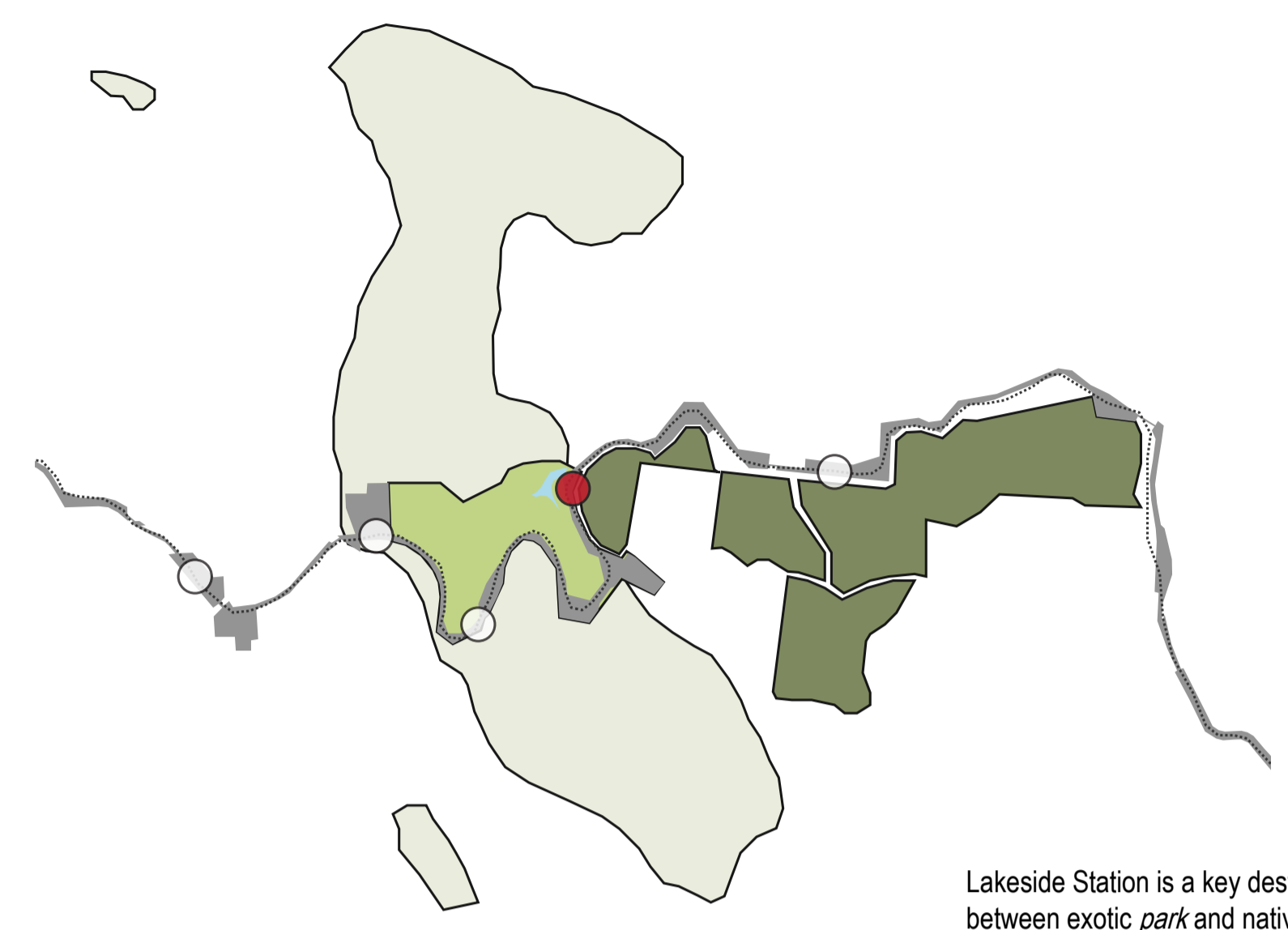
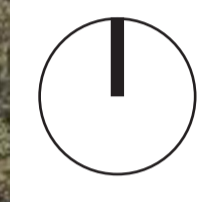


NATIVE GRASSES





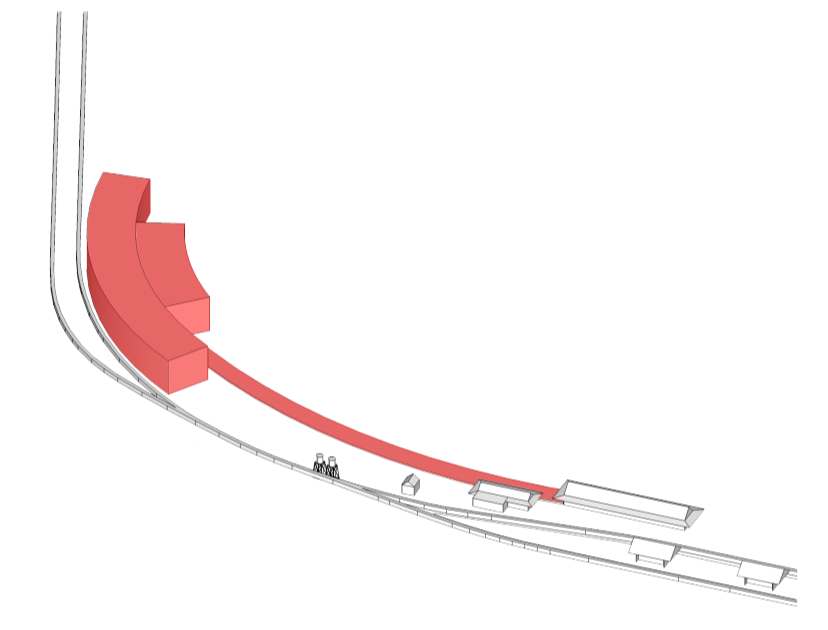
- 1 EMERALD LAKE RD
- 2 EXISTING CAR PARK
- 3 NEW BUILDING
- 4 NEW PLATFORM
- 5 EXISTING LEVEL CROSSING
- 6 NEW COVERED OPEN WALKWAY
- 7 EXISTING STATION BUILDINGS
- 8 EXISTING PLATFORM
- 9 VEHICLE DROP OFF & TURNING
- 10 PROPOSED VEHICLE PARKING
- 11 BUS ZONE
- 12 SITE BOUNDARY



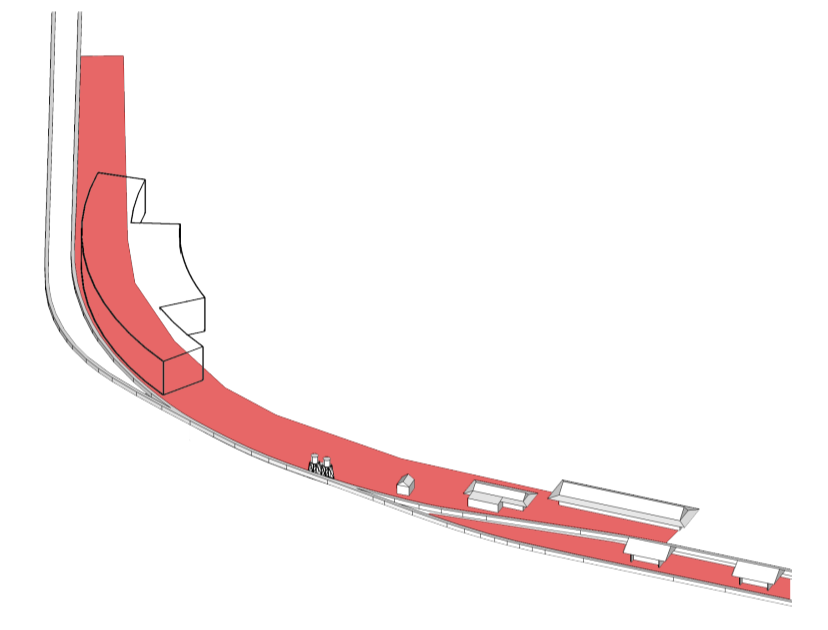
Lakeside Station is a key destination of the Puffing Billy Railway, located between exotic *park* and native *bush* landscapes on the edge of what was Nobelius Nursery. Arrival at the station should reinforce this sense of park and bush, and in doing so will rekindle the sense of wonder of visitors first traveling to Lakeside in the 1950s

Site Plan 1:2000

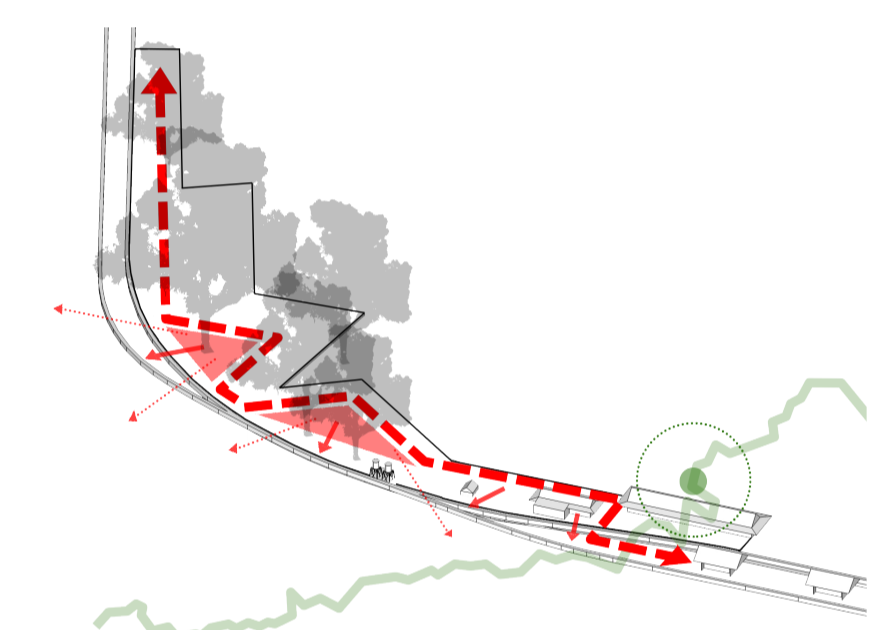
Often in tourism projects there is pressure to build a new experience, or 'icon' where there is not one already. The challenge, here, is to enhance the already iconic Puffing Billy Railway by adding new dimensions and experiences that do not replace or stand out from that which exists, but which build upon those qualities that have made it so successful.



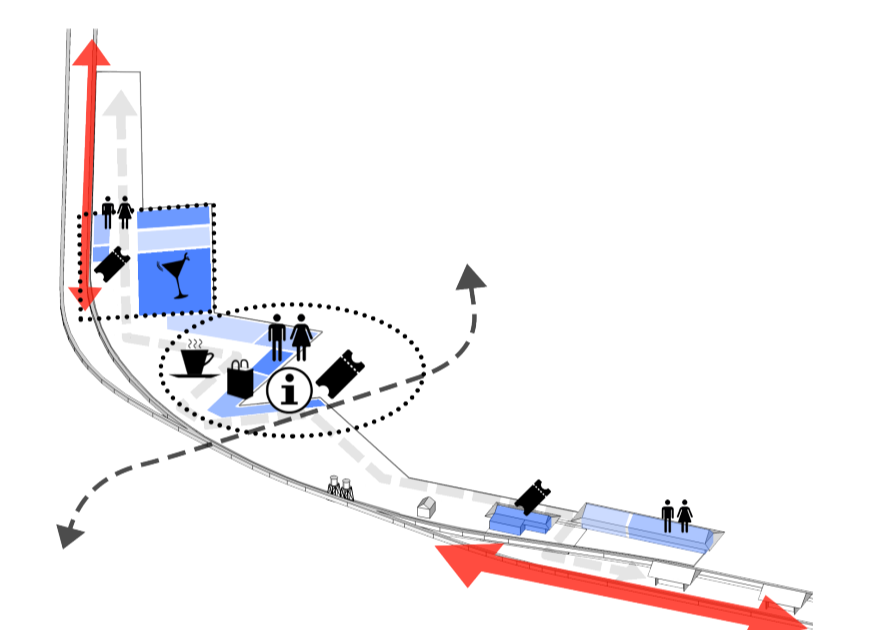
Lakeside Discovery Centre should not be detached from the existing Lakeside Station. Rather, how can it intrinsically grow out of what already are the special qualities of Puffing Billy Railway at Lakeside?



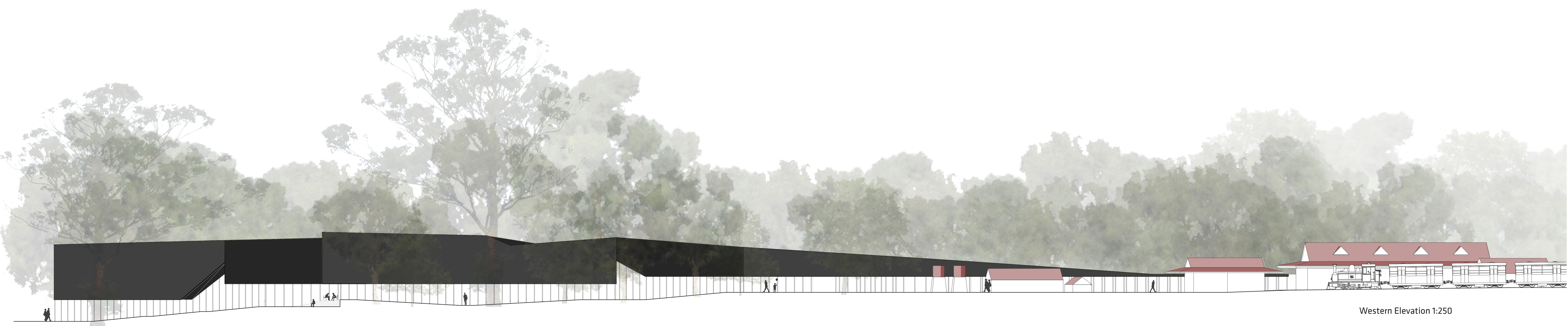
The device for extending Lakeside Station with the new Discovery Centre is the *platform*, aligned to and foregrounding the hero of this place – the Puffing Billy Railway experience.



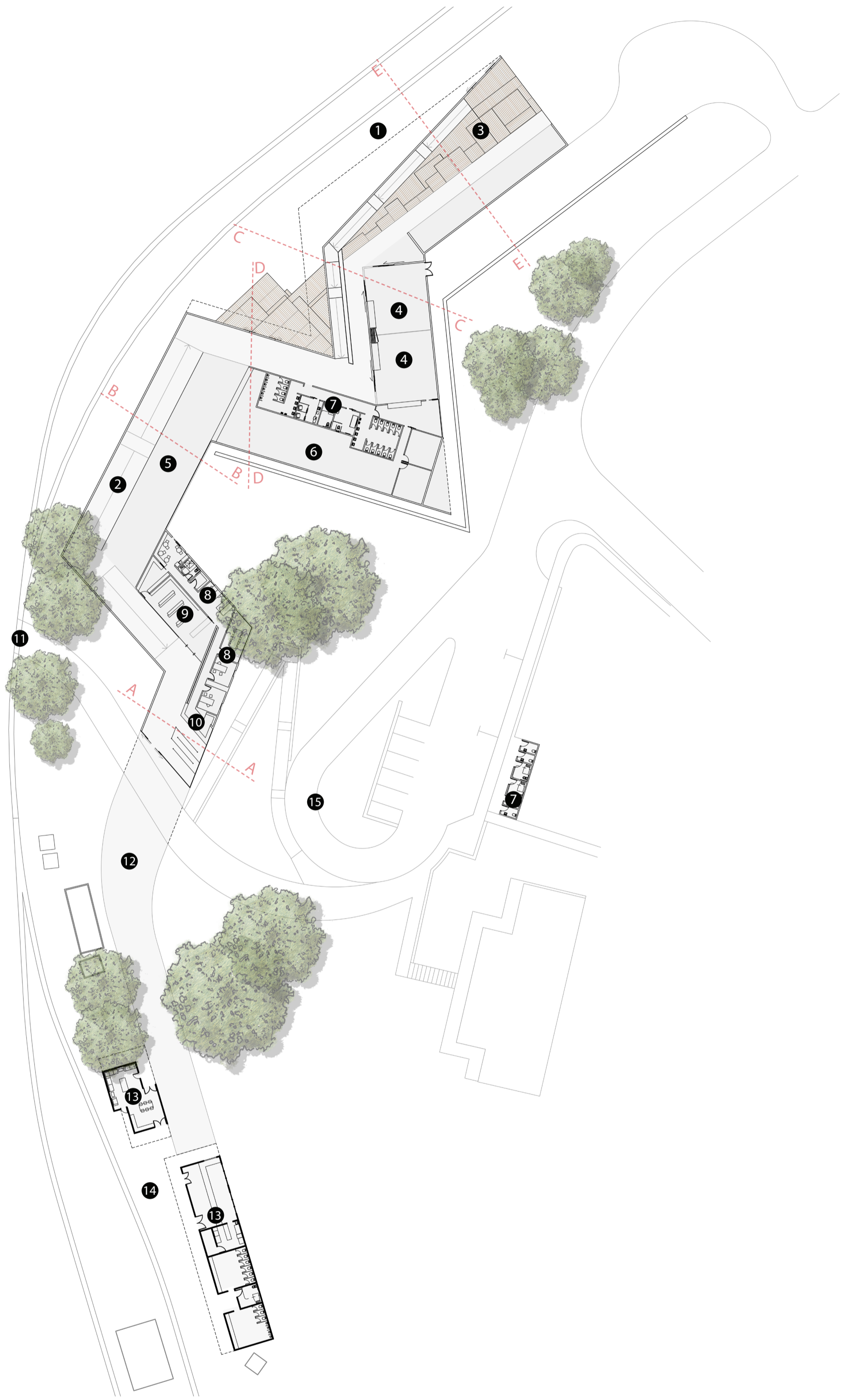
The platform is manipulated to preserve significant trees that are critical to the identity of the bush setting, whilst providing enhanced spaces track side and views over Puffing Billy Railway trains, people and activity.



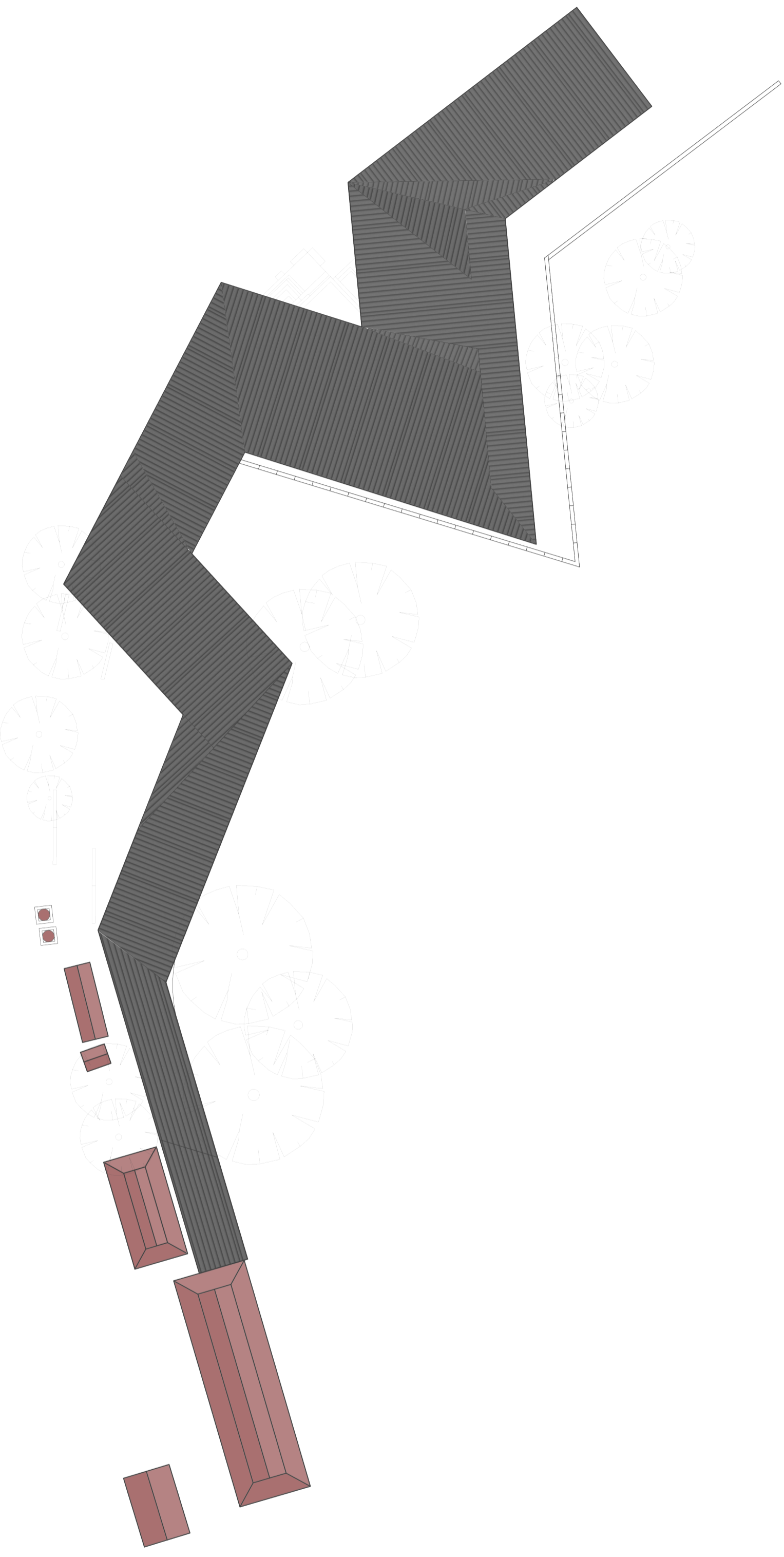
The linear arrangement of functions is simple, legible and accessible. The many visitor types are catered for; the everyday Puffing Billy visitor, the special events visitor, and Park users. Within this logical arrangement are many options such as flexibility to separately zone use areas, and centralised ticketing, retail and F&B operations.



Western Elevation 1:250

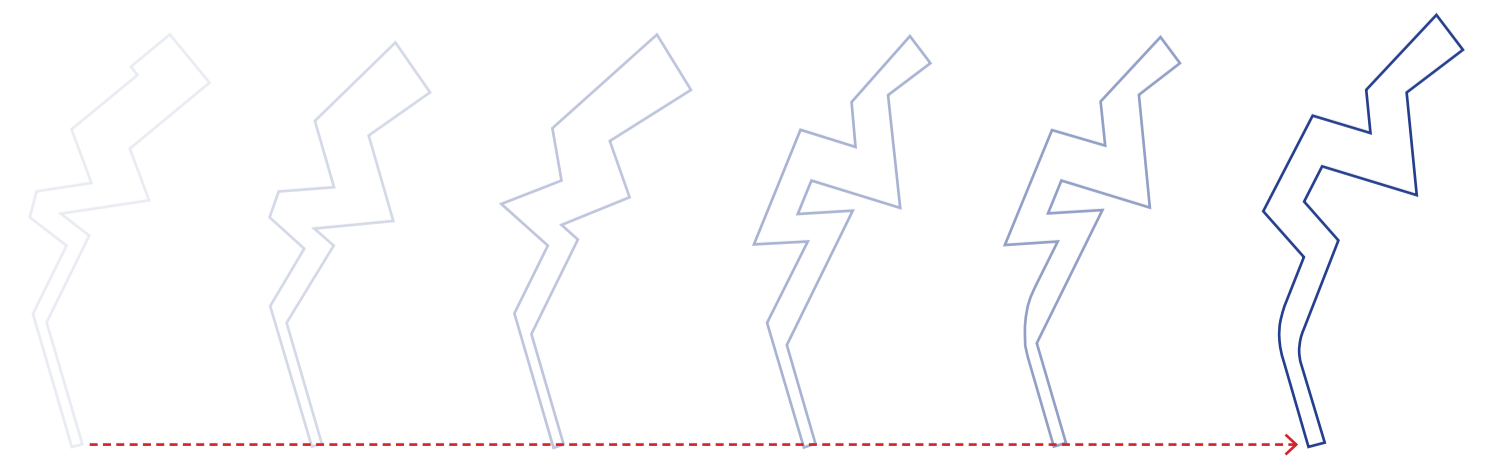


Floor Plan 1:500



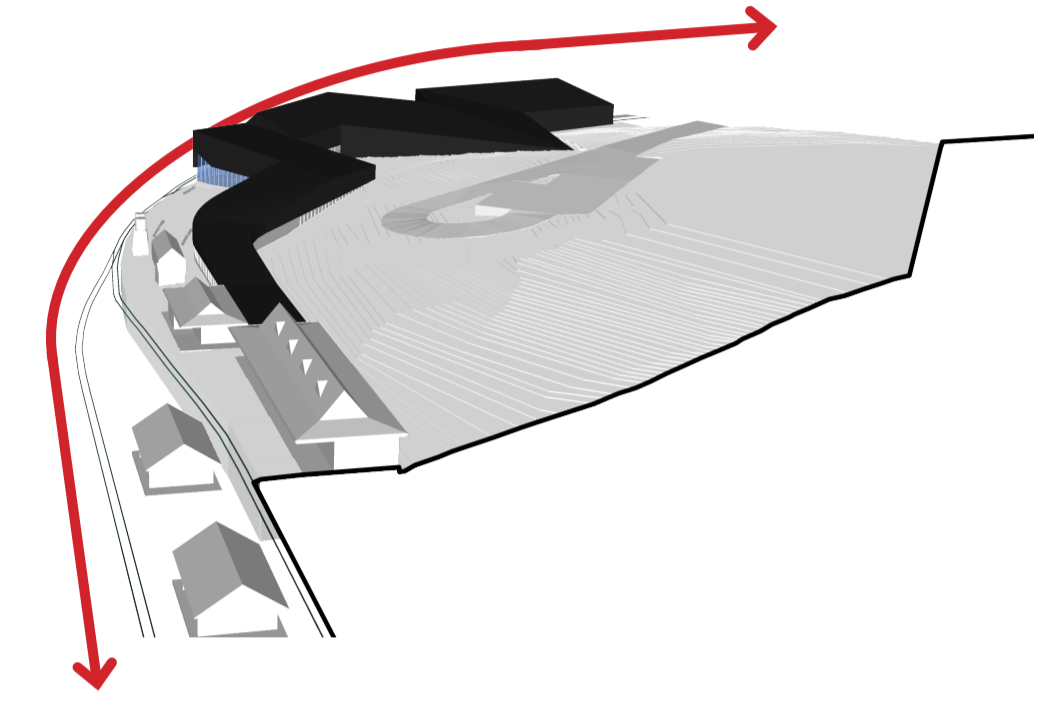
Roof Plan 1:500

- | | | |
|-----------------------|----------------|-------------------------------|
| 1 NEW PLATFORM | 6 KITCHEN | 11 EXISTING LEVEL CROSSING |
| 2 MAIN CIRCULATION | 7 WC'S | 12 COVERED WALKWAY |
| 3 STEPPED EVENT SPACE | 8 OFFICE | 13 EXISTING STATION BUILDINGS |
| 4 FUNCTION ROOM | 9 RETAIL | 14 EXISTING PLATFORM |
| 5 CAFE | 10 INFORMATION | 15 VEHICLE DROP OFF & TURNING |



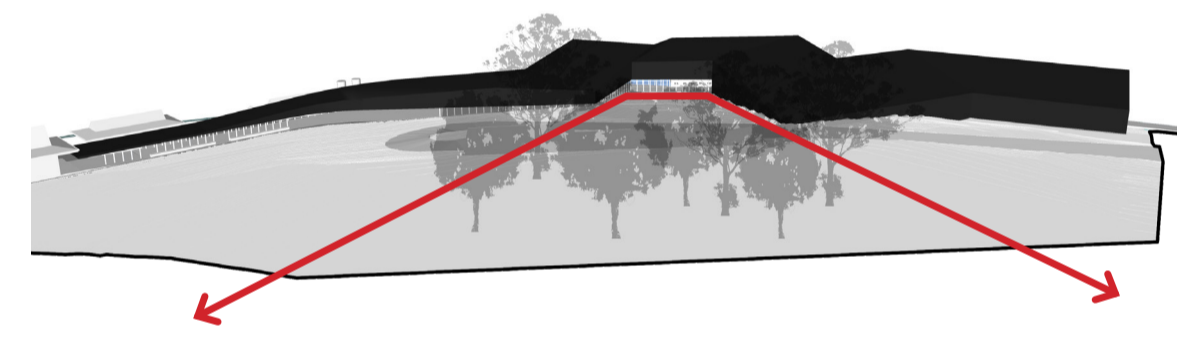
Progression from Terroir's competition winning entry to the current design

The building and surrounds should enable visitors to experience the distinctive features of the place such as: the smell of the landscape; the feel of protection indoors and exposure outdoors; moisture and smells of the forest; temperature; the experience of the proximity to the train - including steam, soot and industrial engineering.

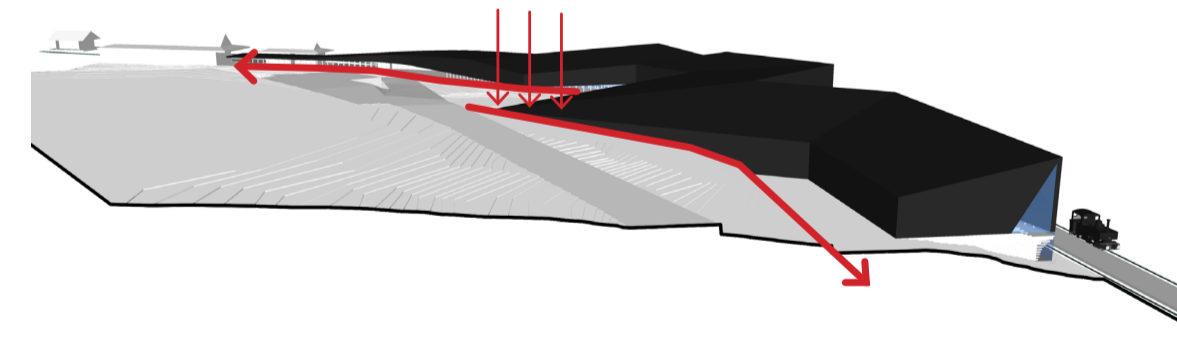


The building form and its siting, is born from a strong recognition of the complexities, advantages, and challenges, that the site provides.

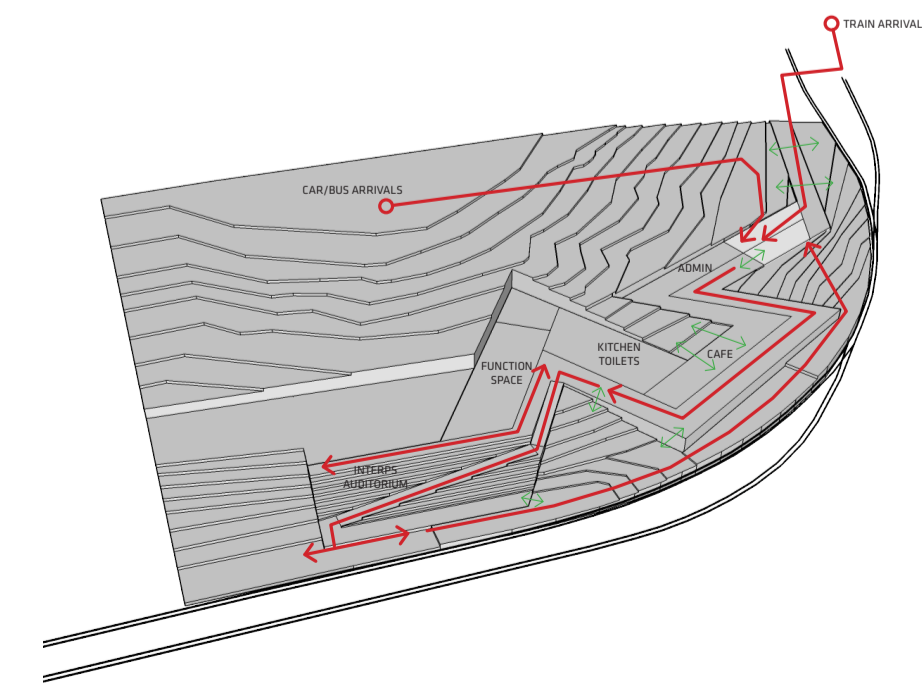
Following the sweep of the railway line, the glazed and open western face ensures there is always a strong visual connection to the Emerald Lake Park as well as the railway line. The building sits as close as possible to the rail in key areas, allowing visitors to maintain their sensory connection to the Puffing Billy Railway through the sound of the trains, and smell of the engines, whilst they explore the interpretive galleries or dine in the tea rooms.



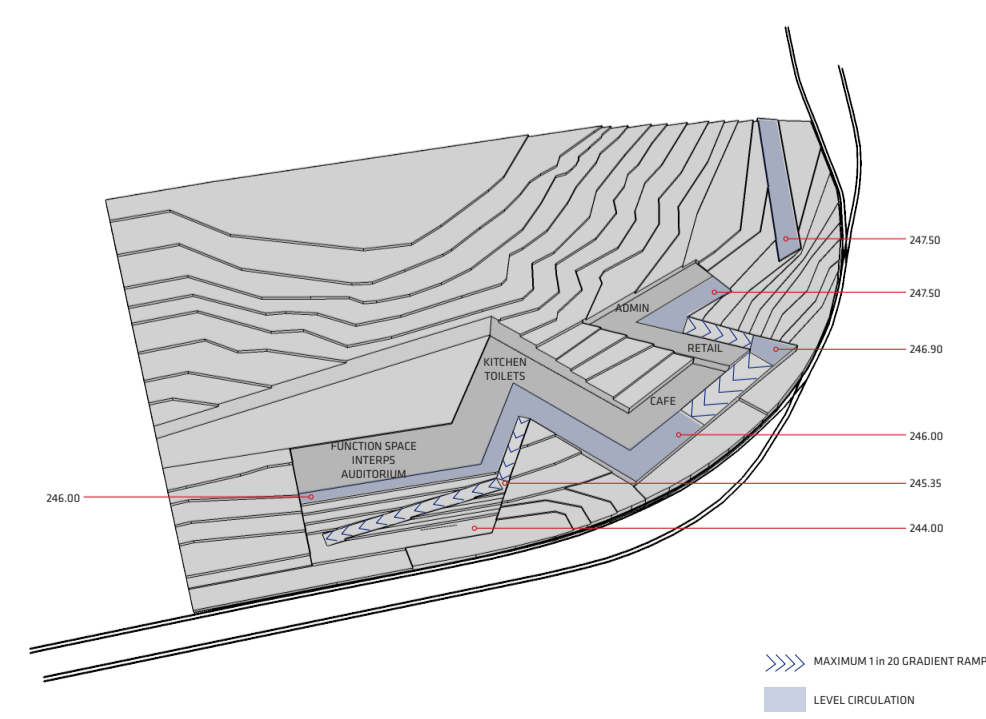
The natural bushland to the east of the building is embraced by the building's relationship to the natural terrain, opening up to visitors dining in the tea rooms by way of a glazed wall between the administration/retail wing and kitchen, also allowing natural daylight to fully penetrate the cafe seating area.



The eastern face of the building is nestled into the hillside, therefore not dominating the landscape for visitors arriving by car or bus. This strategy also maintains a height datum in keeping with the existing station buildings.



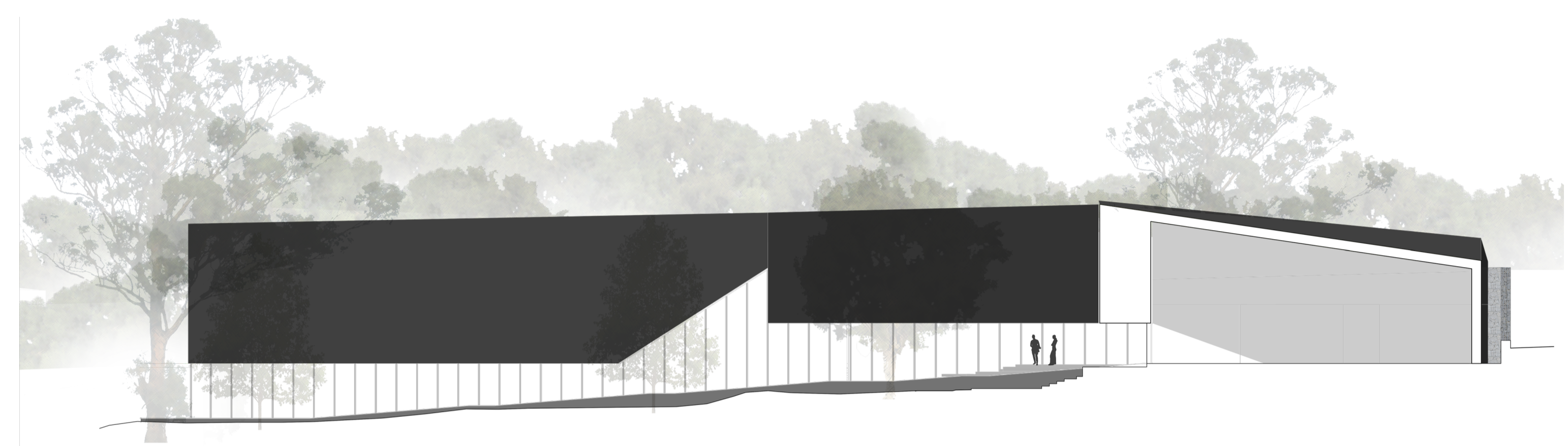
Flexible circulation with multiple entry/exit points



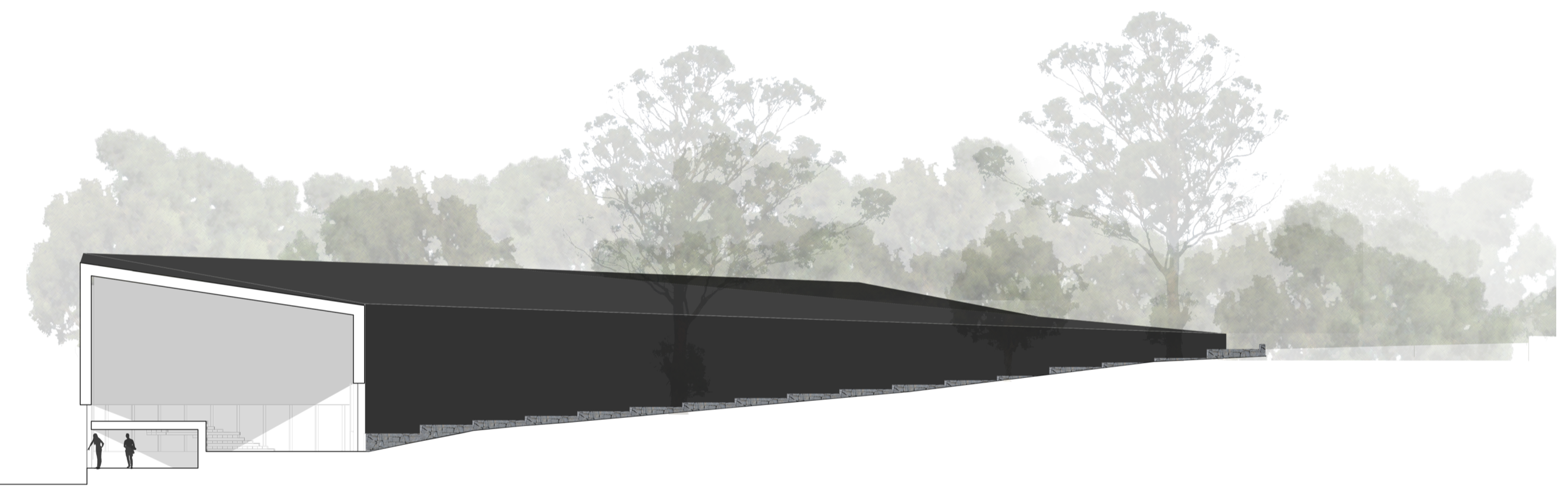
The floor of the building steps down with the existing ground levels to meet the rail platform



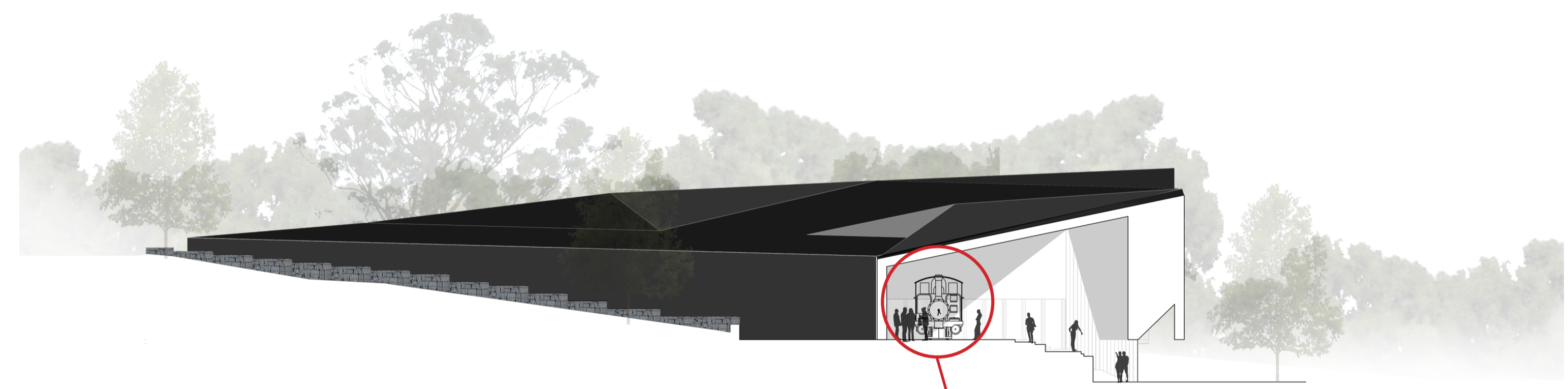
Section A 1:200



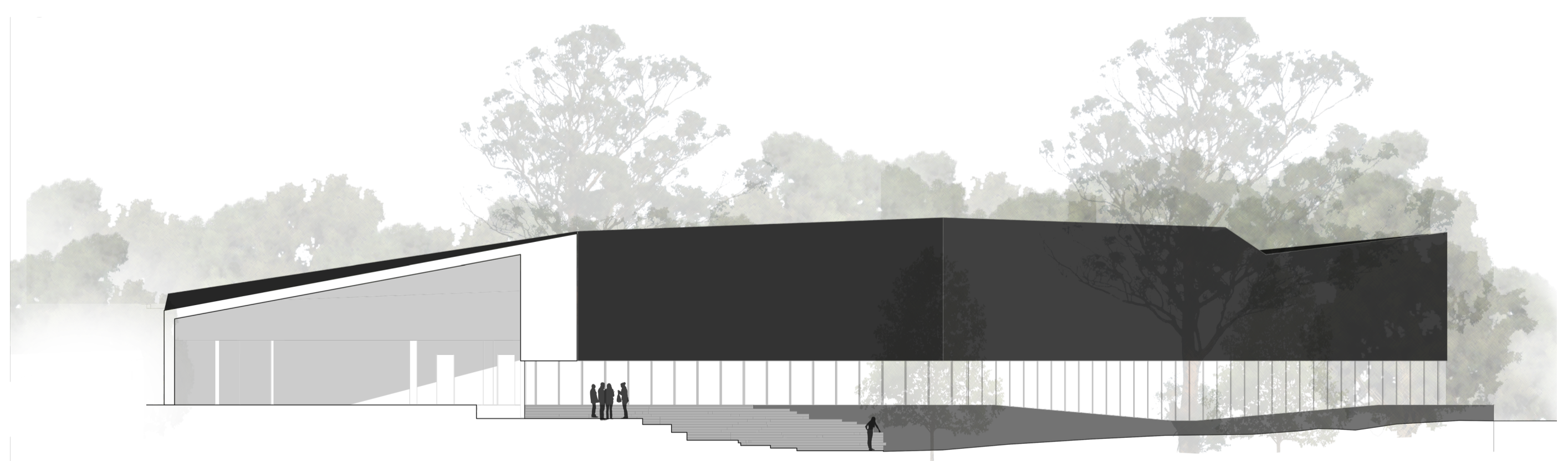
Section D 1:200



Section B 1:200



Section E 1:200



Section C 1:200

'...coupling the peak experience of the train ride with another key experience, in the form of an object theatre for instance, would give definition to the visitor experience at Lakeside Discovery Centre.

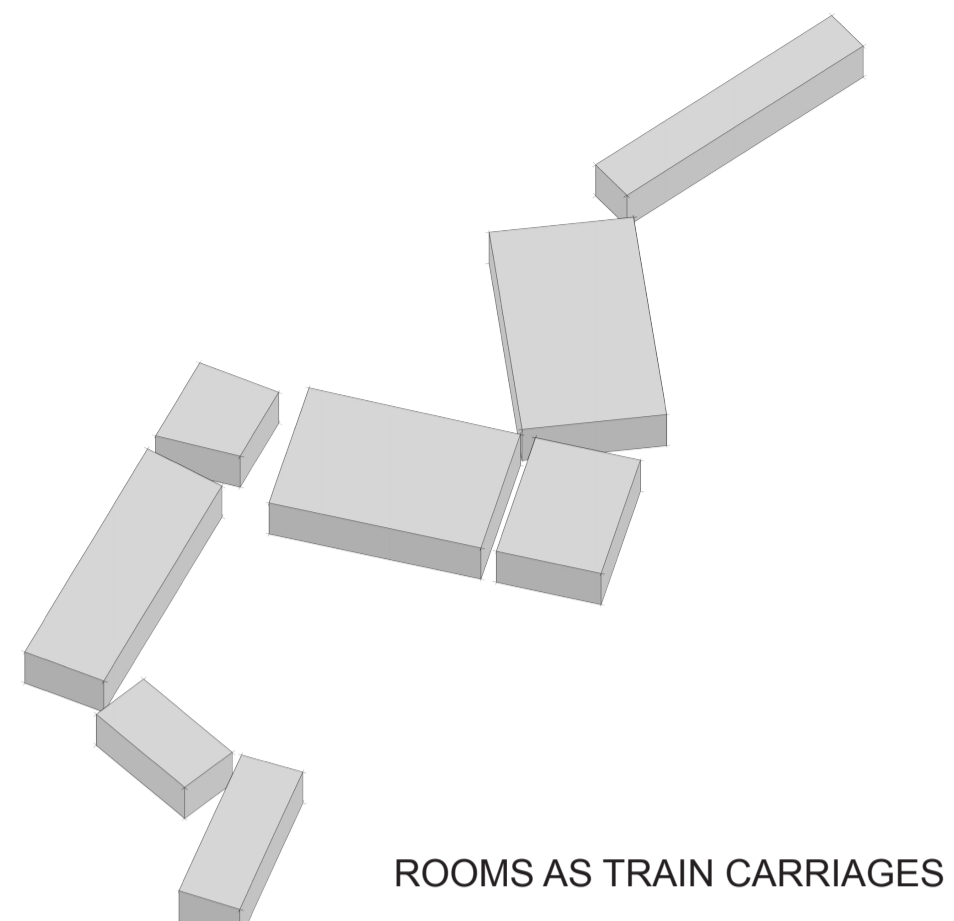
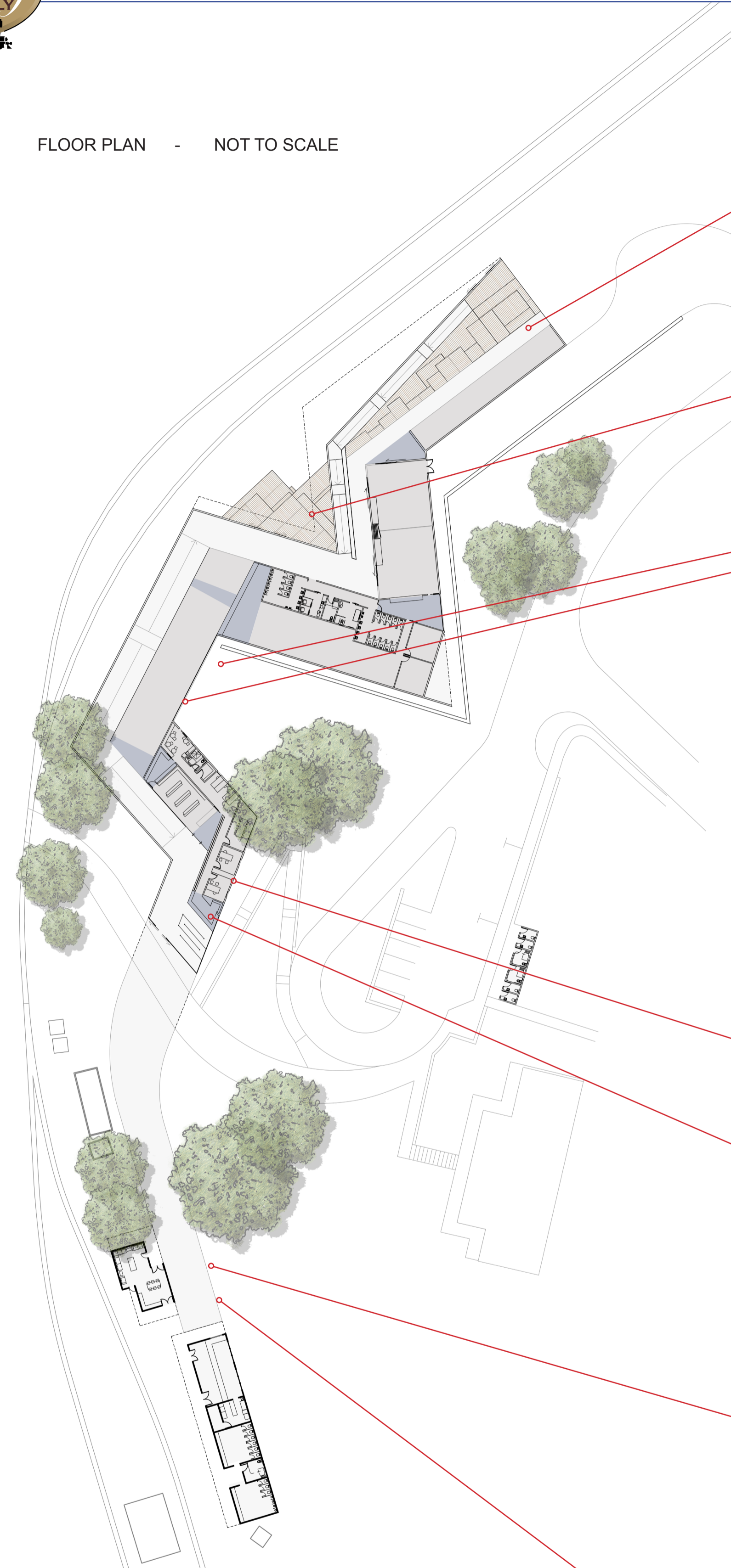
This feature would attract visitors to the north end of the building, past the key services with physical and visual links to the platform and railway along the way. This show will bring together a number of the key ideas that PBR wish to impart on visitors in a fun, accessible and unexpected way. We want visitors to tell their friends and family that they must come to Lakeside to ride the loco AND see the show.' - THYLACINE (Interpretations Consultant)



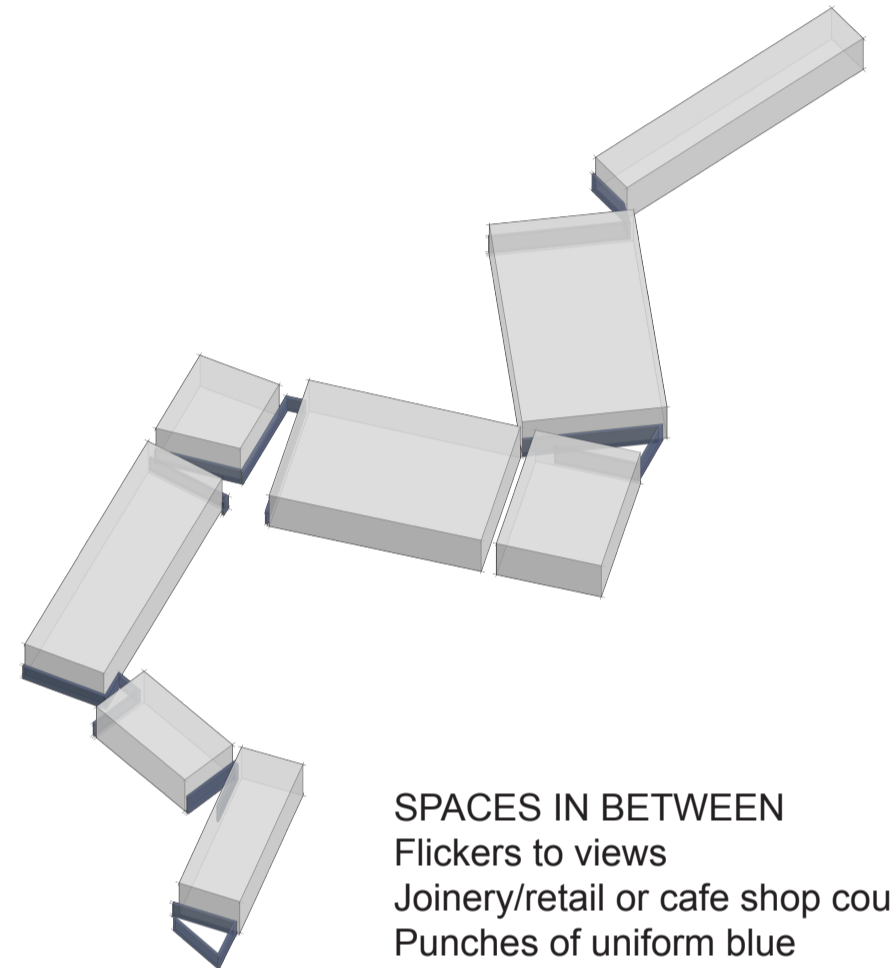


MATERIALITY - INTERIOR

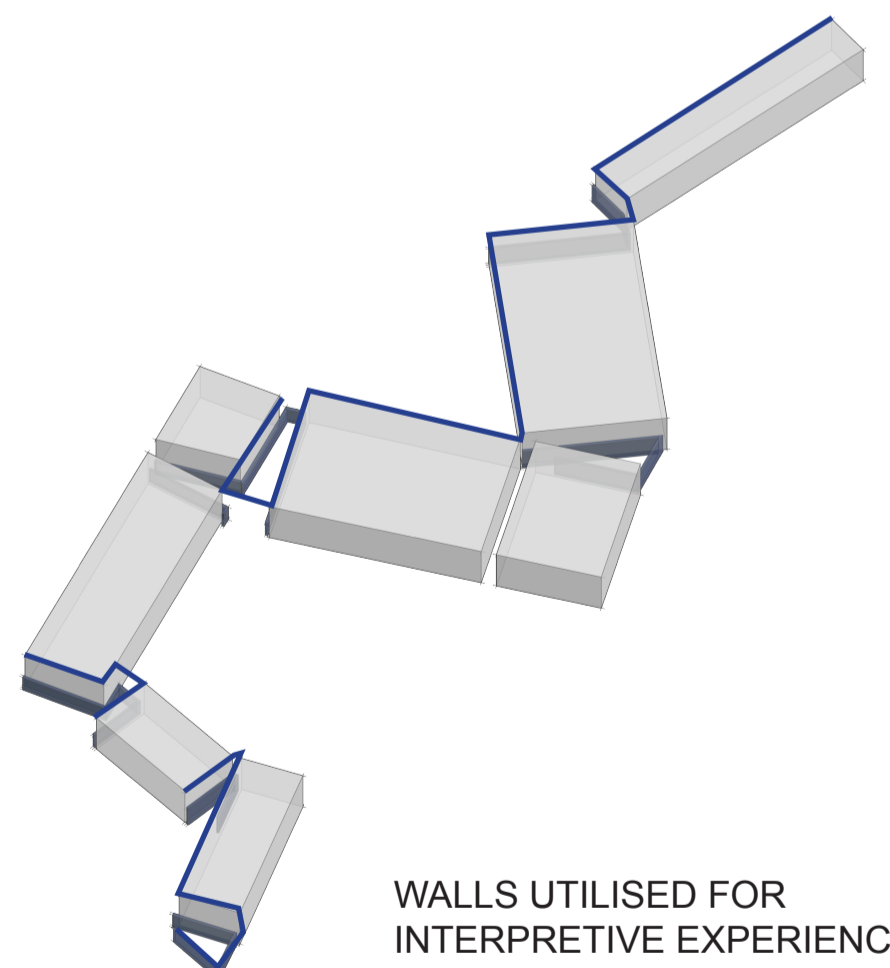
FLOOR PLAN - NOT TO SCALE



ROOMS AS TRAIN CARRIAGES



SPACES IN BETWEEN
Flickers to views
Joinery/retail or cafe shop counters
Punches of uniform blue



WALLS UTILISED FOR INTERPRETIVE EXPERIENCES

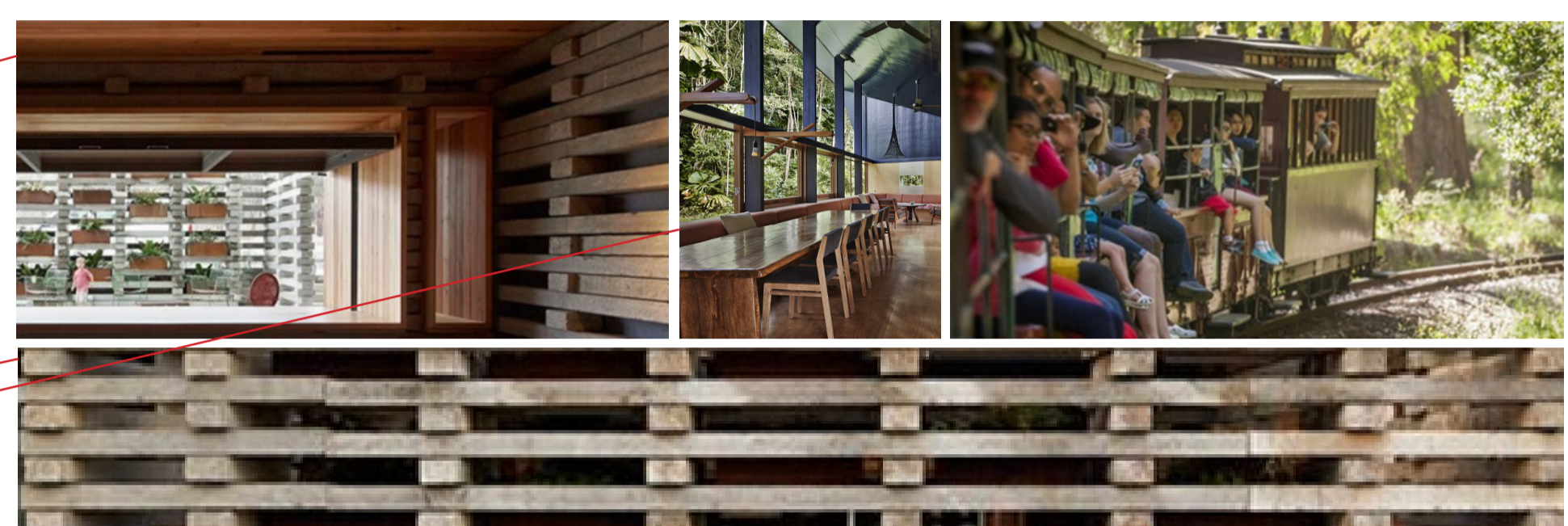
STATION STRUCTURES



GAPS BETWEEN CARRIAGES



CAFE TREATMENT: USE OF STACKED SLEEPERS



RAIL TRAVEL: FINE DINING EXPERIENCE EVOCATIVE OF CARRIAGE DINING EXPERIENCE



COLOUR RESEARCH: PBR UNIFORM BLUE, LOCOMOTIVE GREENS & REDS



SITE REFERENCES: REFLECTED WITHIN THE STRUCTURAL SYSTEM & MATERIALS SELECTED



MATERIAL PALETTE: GRADATION FROM WARM TIMBERS TO A DARKER PALETTE OF CHARRED TIMBERS AND BLACK METAL

INTERIOR SPACE REFERENCE BYGONE TRAIN STATIONS





MATERIALITY - EXTERIOR

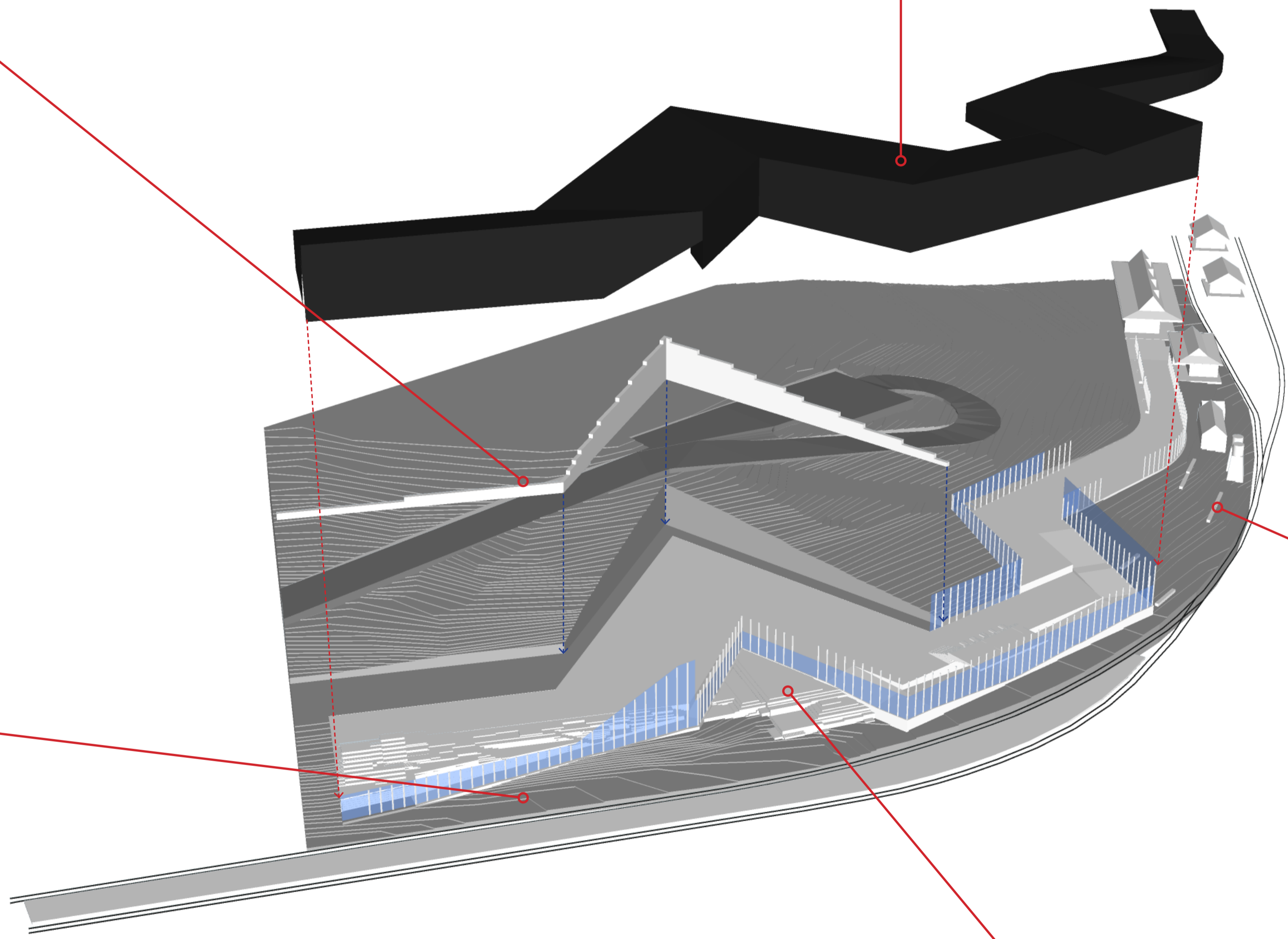
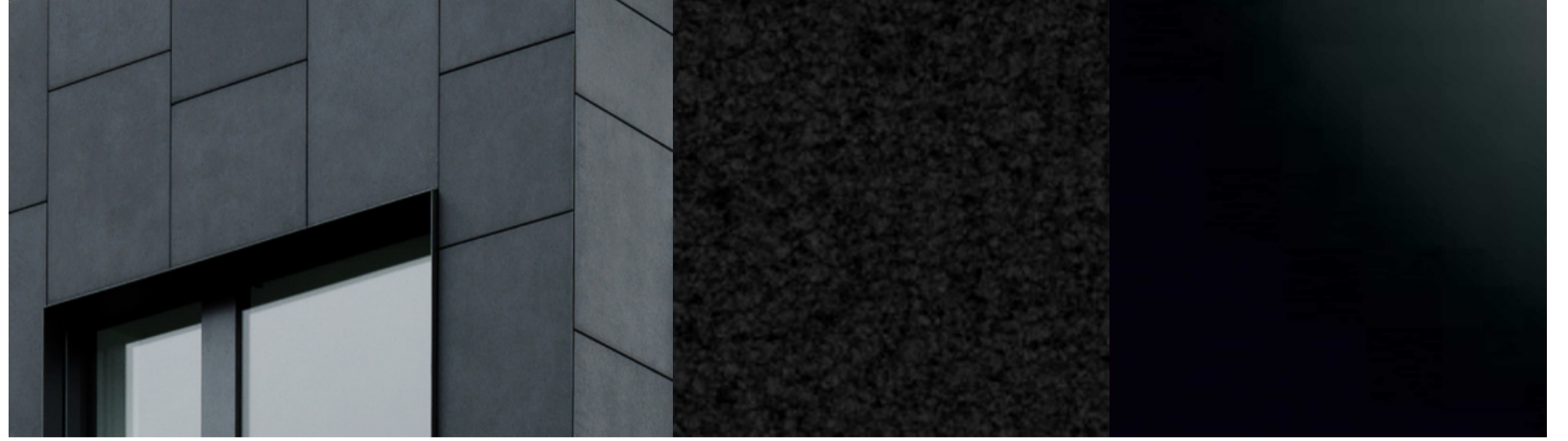
Externally, the Lakeside Discovery Centre is black and shiny like the engines that are the signature of the railway and recedes in the shadows of the bush. The new Lakeside Discovery Centre is a silhouette backdrop - grounded in place - to the hero that is the Puffing Billy Railway experience.



Blue metal filled gabion walls are proposed for areas where soil retention is required. Gabions provide a textural quality and material familiarity that will blend with the railway setting



Externally, the Lakeside Discovery Centre cladding will be a simple black material palette, reminiscent of the engines that are the signature of the railway. The building will recede into the shadows of the bush. The Lakeside Discovery Centre becomes a silhouette backdrop to the hero that is the Puffing Billy Railway experience.



'The notion of the building as a linear plinth, with black steel roof lined in timber providing volume over the platform, is a compelling image and this was considered a significant strength in the original winning competition concept . We support the black external surface of the building which sits well into its landscape and also appropriately captures a materiality that is related to the railway narrative. The transparent glazed frontage of the building, opening up onto the timber-ceilinged platform volume provides both an effective counterpoint to the dull black exterior, and an opportunity for delight as a vista to the building and wider setting is opened up as the train rounds the corner.' – Office of the Victorian Government Architect

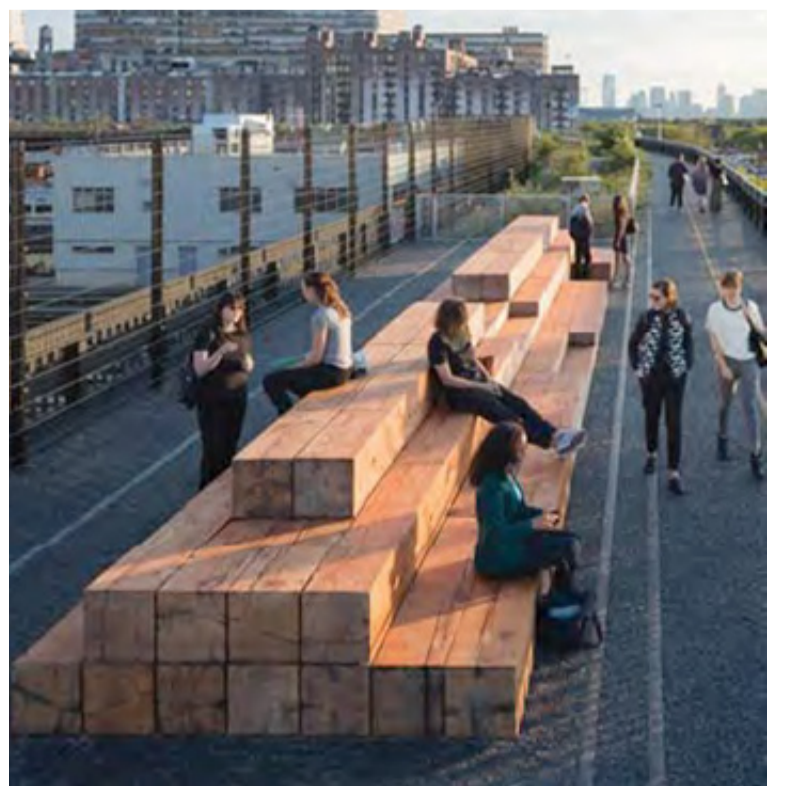
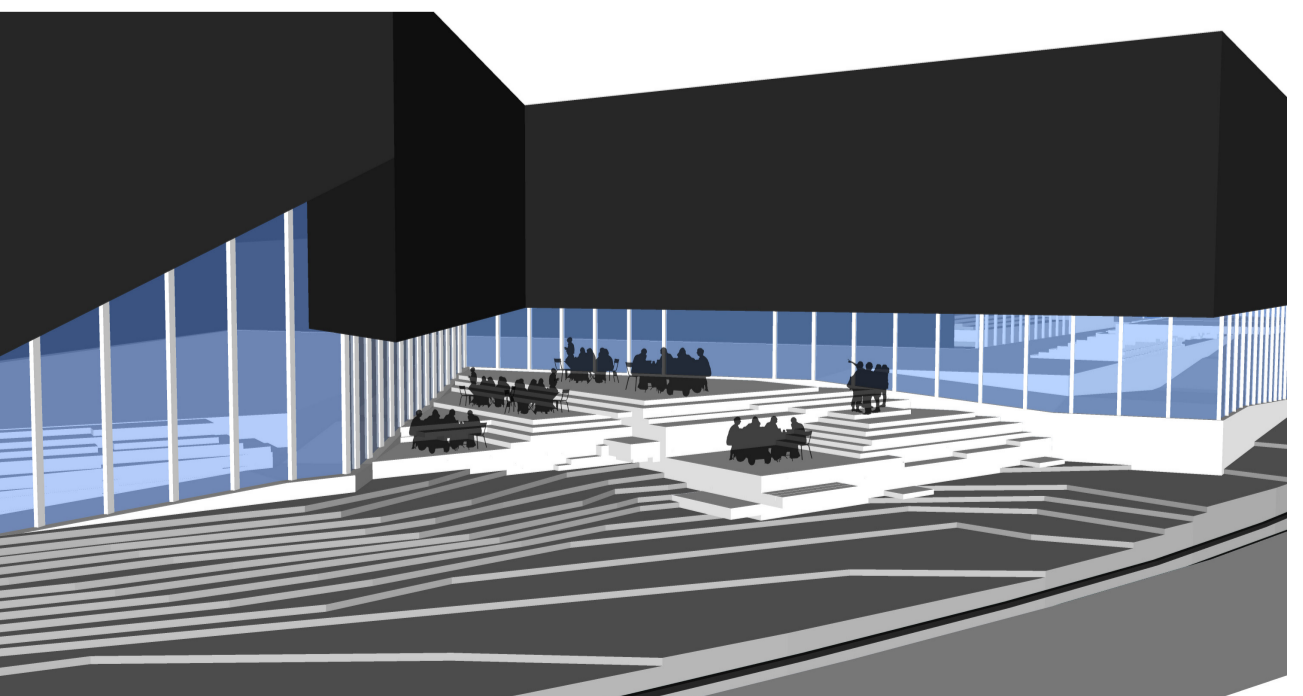
Graded paving treatment to transition between the external platform height and the internal ground level

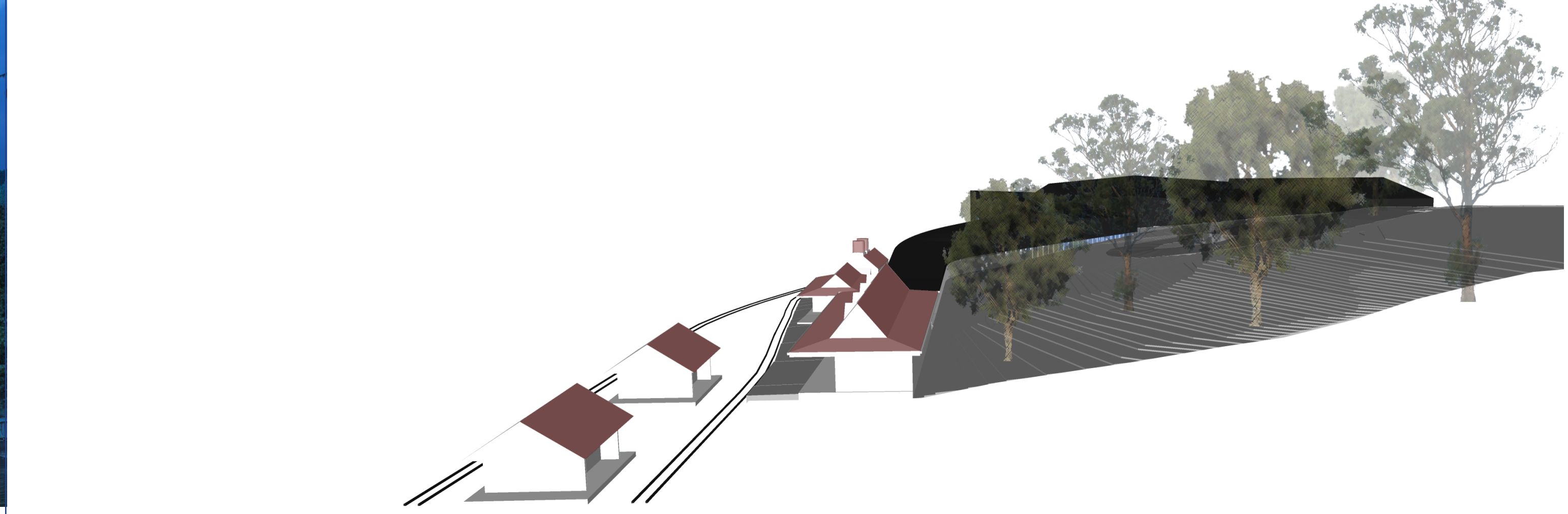
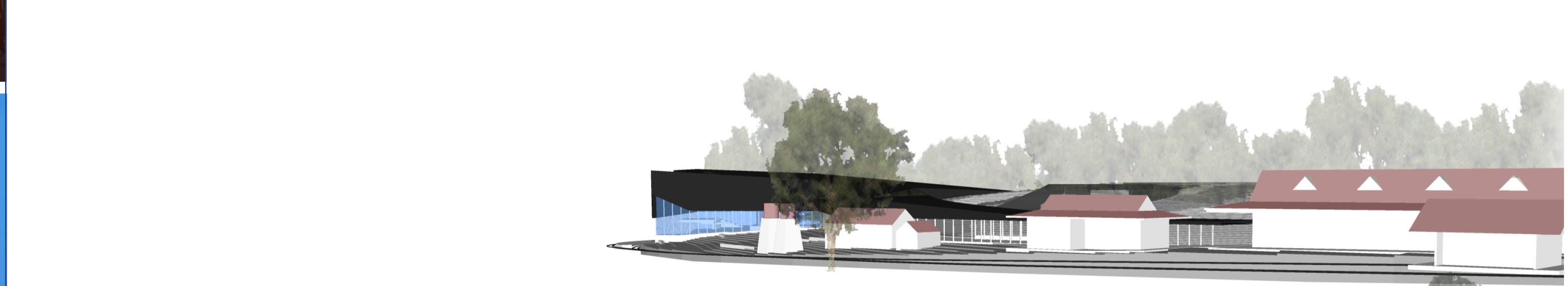
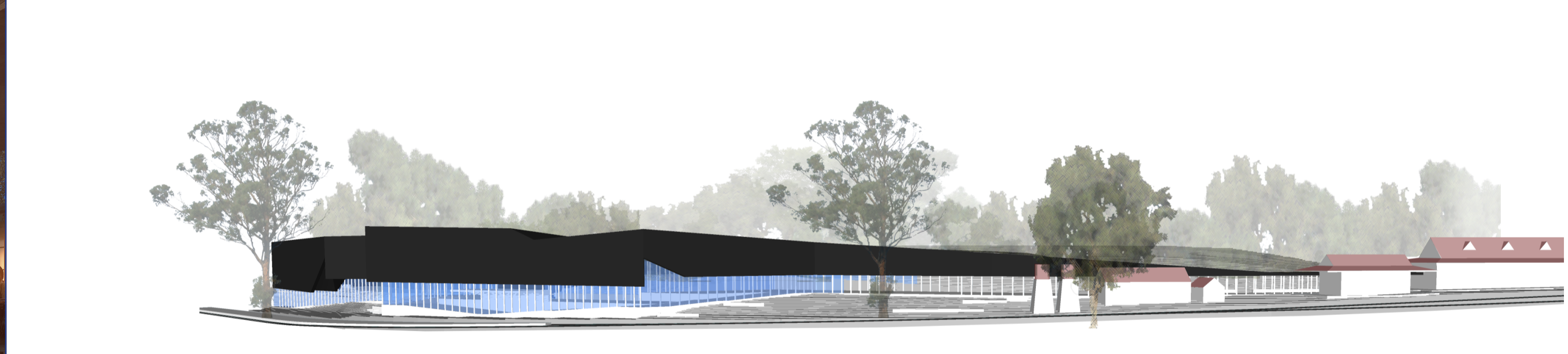
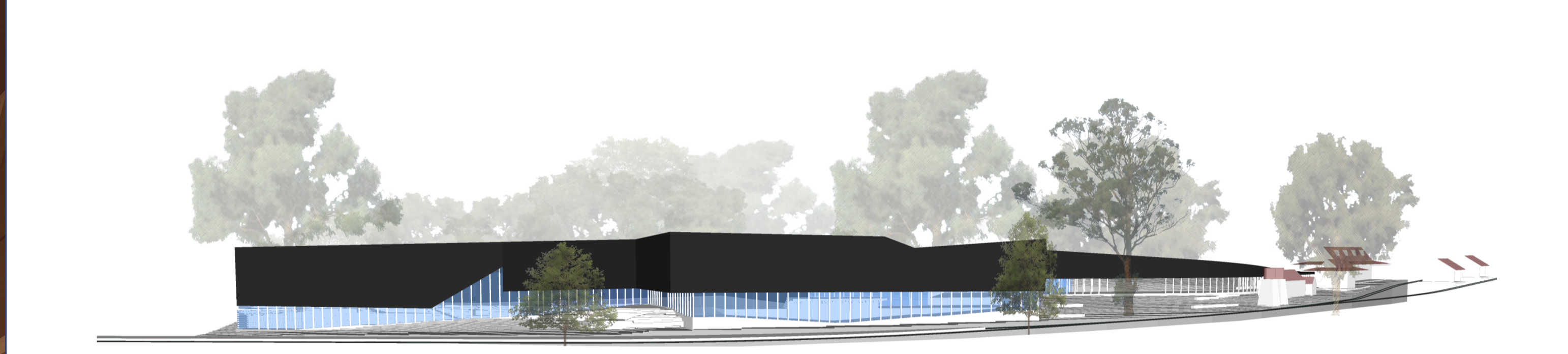
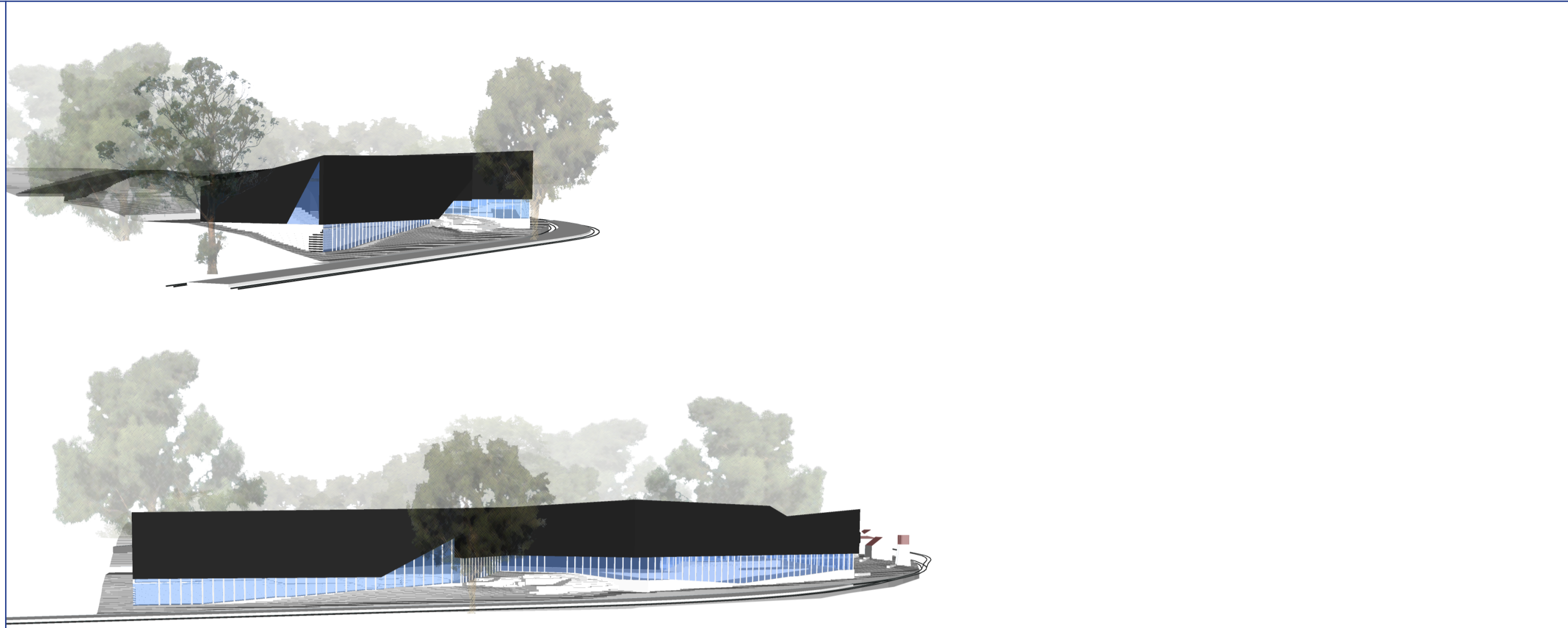


Solid timber elements are proposed as public seating between the Discovery Centre and the railway line on the walkway to Emerald Lake. This key junction between the Puffing Billy Railway and the greater Emerald Lake Park should be celebrated as a communal gathering place for everybody to enjoy



The use of railway sleepers or similar sized timbers are proposed for the alfresco dining area. Timber had been selected as a transitional component between the internal floor level and the external platform height, creating an interesting varied terrain for external dining







Everything in the Lakeside Discovery Centre works to make the visitor feel the landscape and the puffing Billy Railway experience.

Interpretation will explore the natural environment (both the Native and European flora of the site) and the steam engine rail history. There is a natural curiosity for how these items were depicted and referenced both historically and scientifically. The design team are exploring this commonality, such as reference to historical plant and steam engine dissections and scientific presentation techniques.

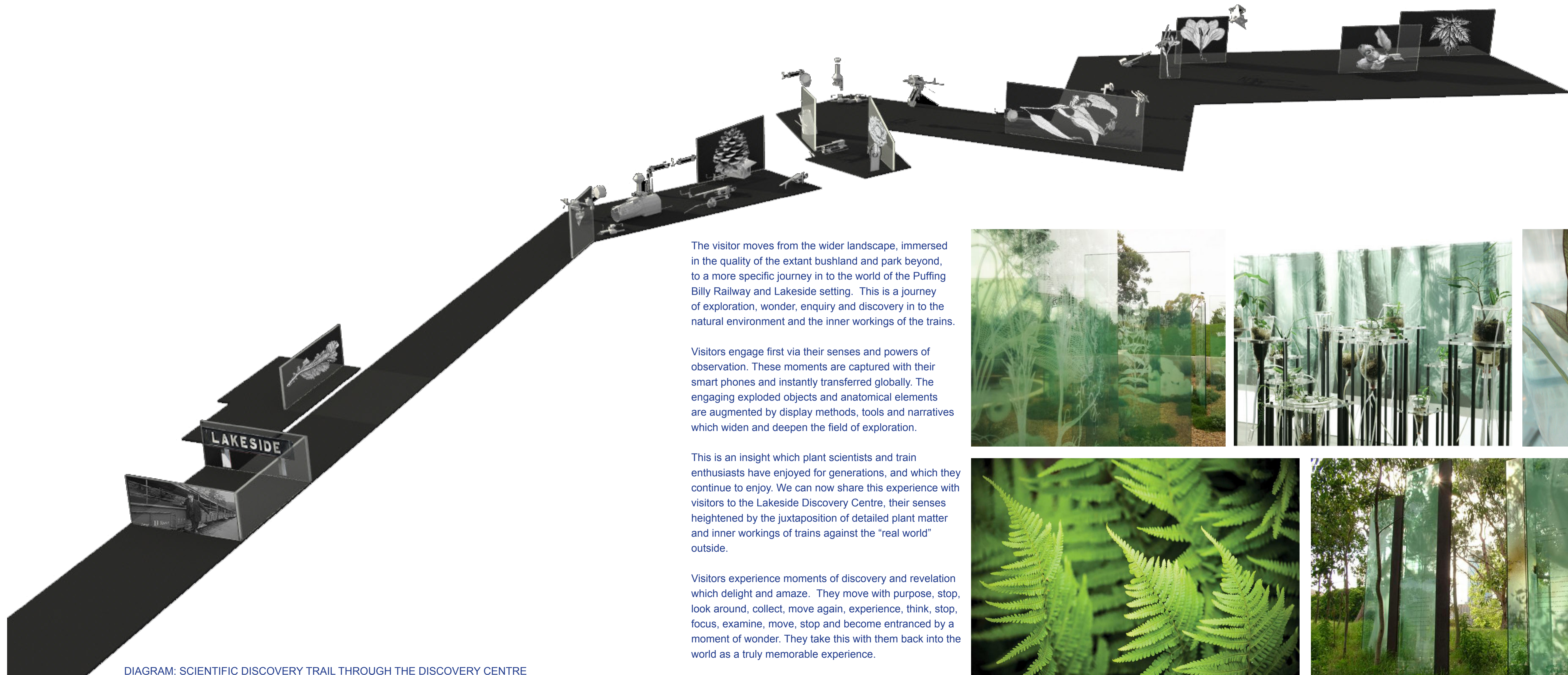
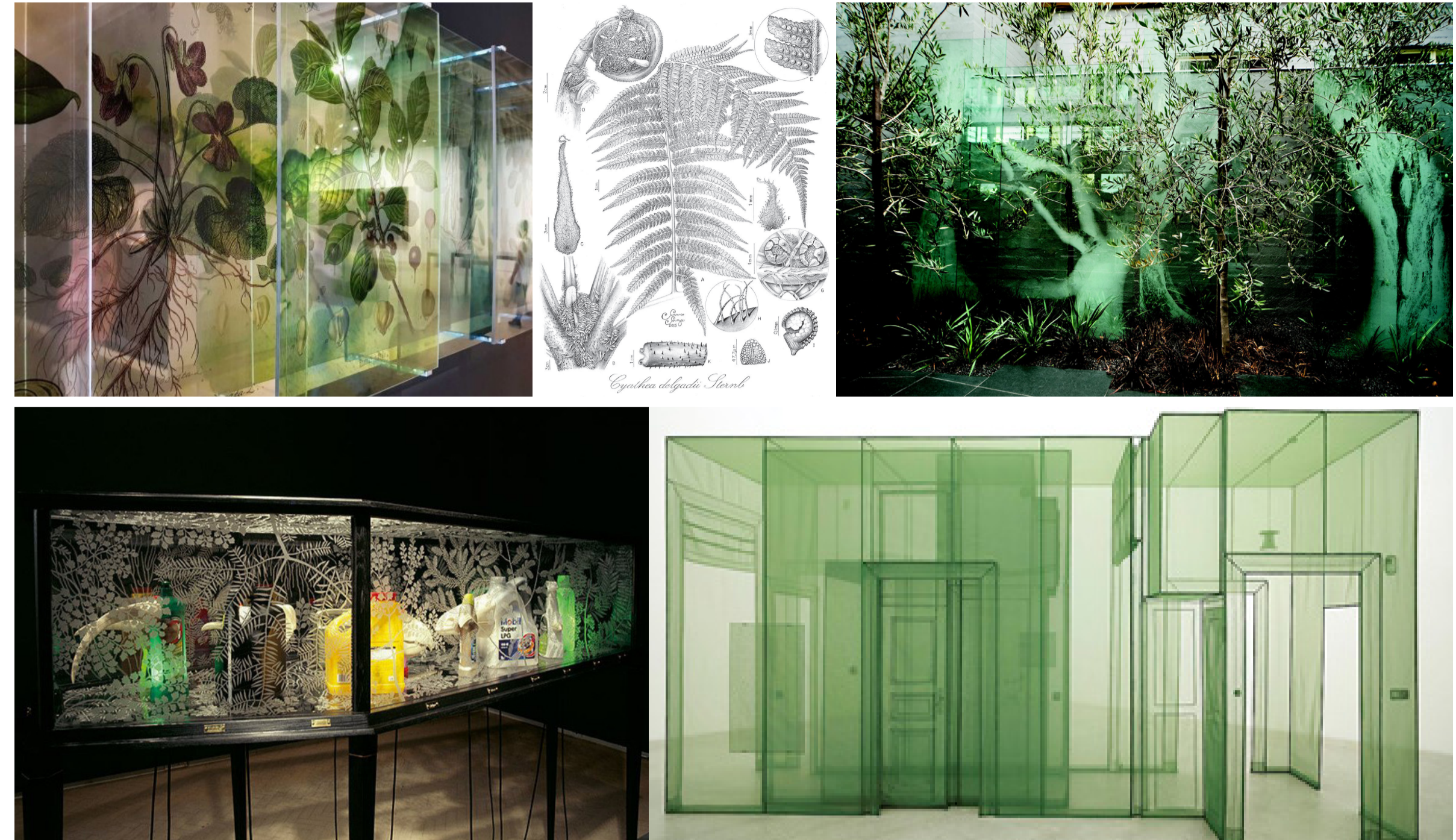
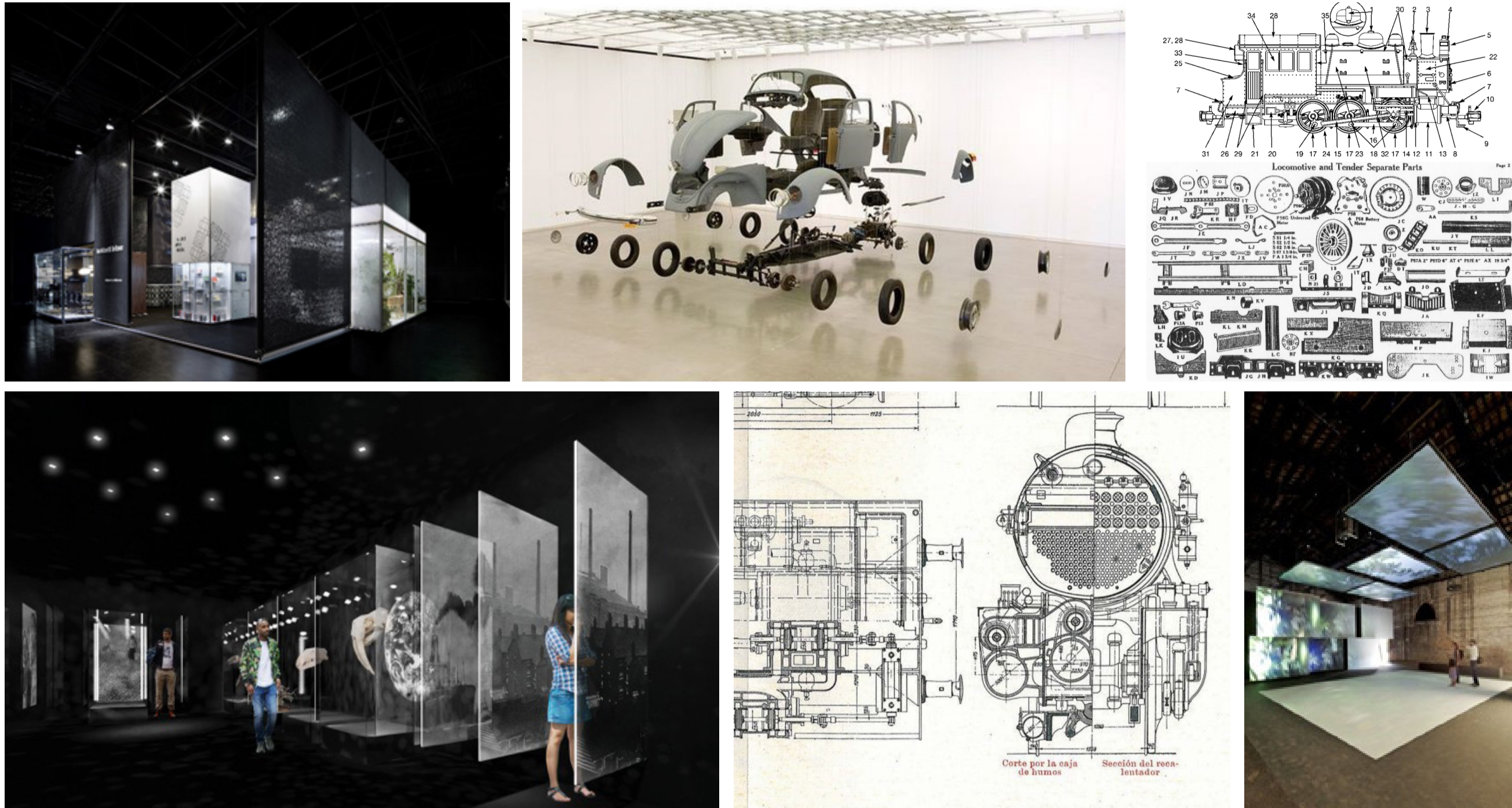


DIAGRAM: SCIENTIFIC DISCOVERY TRAIL THROUGH THE DISCOVERY CENTRE

The visitor moves from the wider landscape, immersed in the quality of the extant bushland and park beyond, to a more specific journey in to the world of the Puffing Billy Railway and Lakeside setting. This is a journey of exploration, wonder, enquiry and discovery in to the natural environment and the inner workings of the trains.

Visitors engage first via their senses and powers of observation. These moments are captured with their smart phones and instantly transferred globally. The engaging exploded objects and anatomical elements are augmented by display methods, tools and narratives which widen and deepen the field of exploration.

This is an insight which plant scientists and train enthusiasts have enjoyed for generations, and which they continue to enjoy. We can now share this experience with visitors to the Lakeside Discovery Centre, their senses heightened by the juxtaposition of detailed plant matter and inner workings of trains against the "real world" outside.

Visitors experience moments of discovery and revelation which delight and amaze. They move with purpose, stop, look around, collect, move again, experience, think, stop, focus, examine, move, stop and become entranced by a moment of wonder. They take this with them back into the world as a truly memorable experience.



