

ትውውቅ

ጠና ይሰጣልኝ

ስላምታ ለሁላችሁም።

ኢትዮጵያዊት ነኝ።

ቤተሰቦቼ የጎጃም እና የአፋር ሰዎች ናቸው።

የግሀ ኮከብ ከሳቴ ብርሀን ባድግ ያለው እባላለሁ።



HE PEPEHA

Tēnei taku mihi

Ka mihi ki o kautau maunga, o kautau marae, o kautau whenua

Tena kautau tena kautau tena kautau katoa

No Ethiopia ahau

No Gojjam me Afar oku tupuna.

Ko Yeneghkokebe Kesate Birhan Badimayalew taku ingoa

HE PUNA ORA, THE REGENERATIVE ACTION LAB



Mesh Architecture asks, "How can Mesh Architecture improve the wellbeing of more-than-human entities in Aotearoa (New Zealand)?"

-Todd Collis



Tūhononga asks. "How can we better co-occupy with more-than-human entities like our Maunga, wai, rangi and whenua?"

-Matangireia Yates Frances



Underpinning my involvement in this research is the commitment to engage with Mātauranga Māori through understanding the Maori environment pattern language known as the Maramataka.

-Yenegh Badimayalew

Manawataki ...
to be rhythmic



CLIMATE CHANGE

DON'T NEED
TO KNOW WHERE
YOU'RE GOING...
YOU'RE GOING SOMEWHERE!

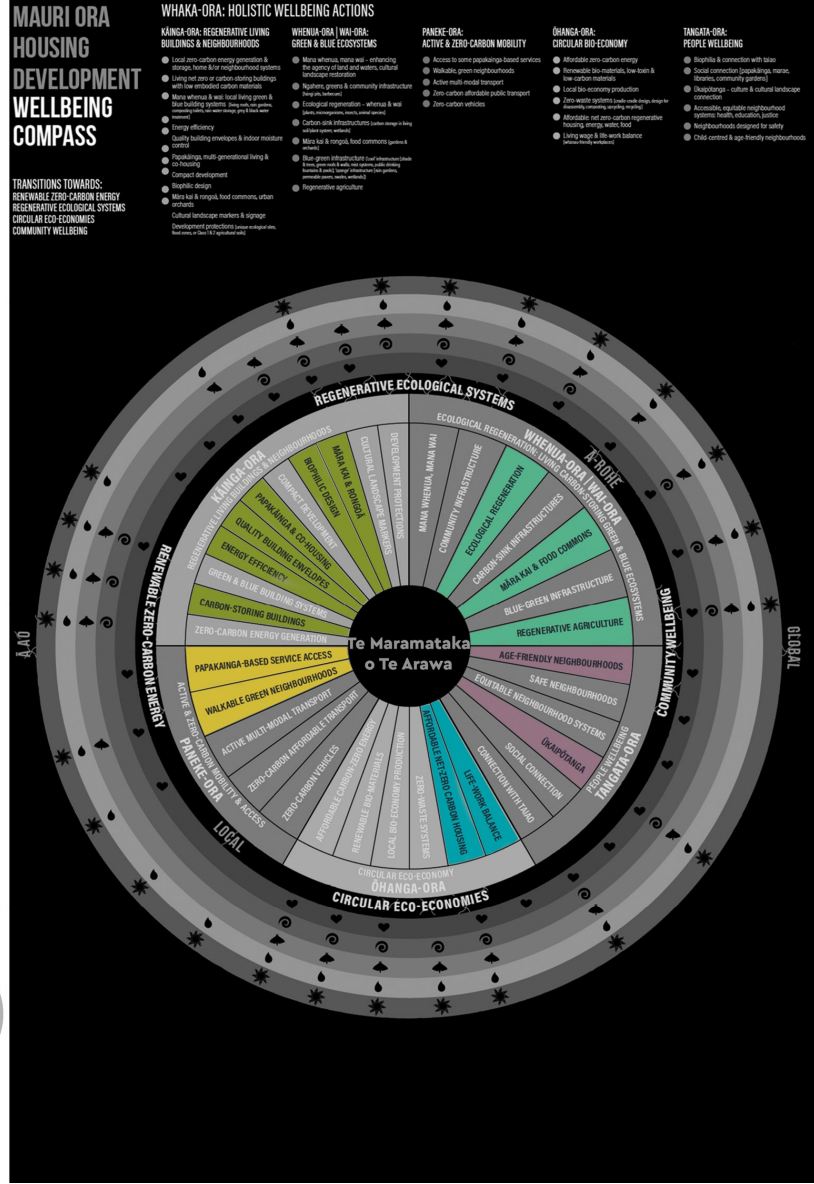
DON'T NEED
TO KNOW WHERE
YOU'RE GOING...
YOU'RE GOING SOMEWHERE

**ADAPTATION IS THE ONLY
WAY FORWARD**

MAURI ORA - WHAT IS WELLBEING IN ARCHITECTURE?

Te Tatau o Te Arawa and the Huritanga Mauri Ora research team developed this navigator as a strategic tool to assist in realising the wellbeing vision for Te Arawa.

01 RESEARCH METHOD



PROJECT LOCATION



Aotearoa [NEW ZEALAND]



Bay of Plenty



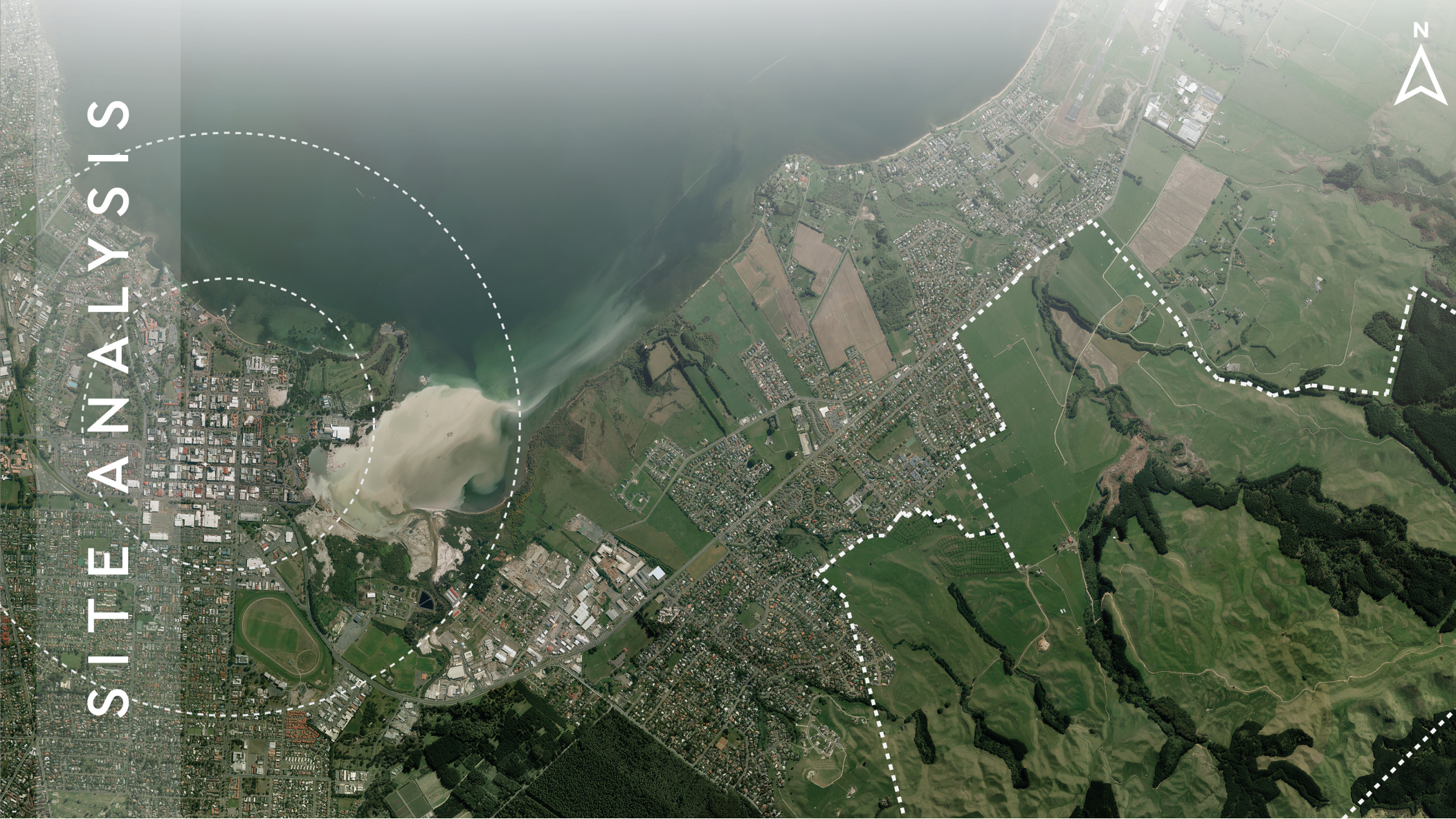
Rotorua



SITE ANALYSIS



SITE ANALYSIS



SITE ANALYSIS

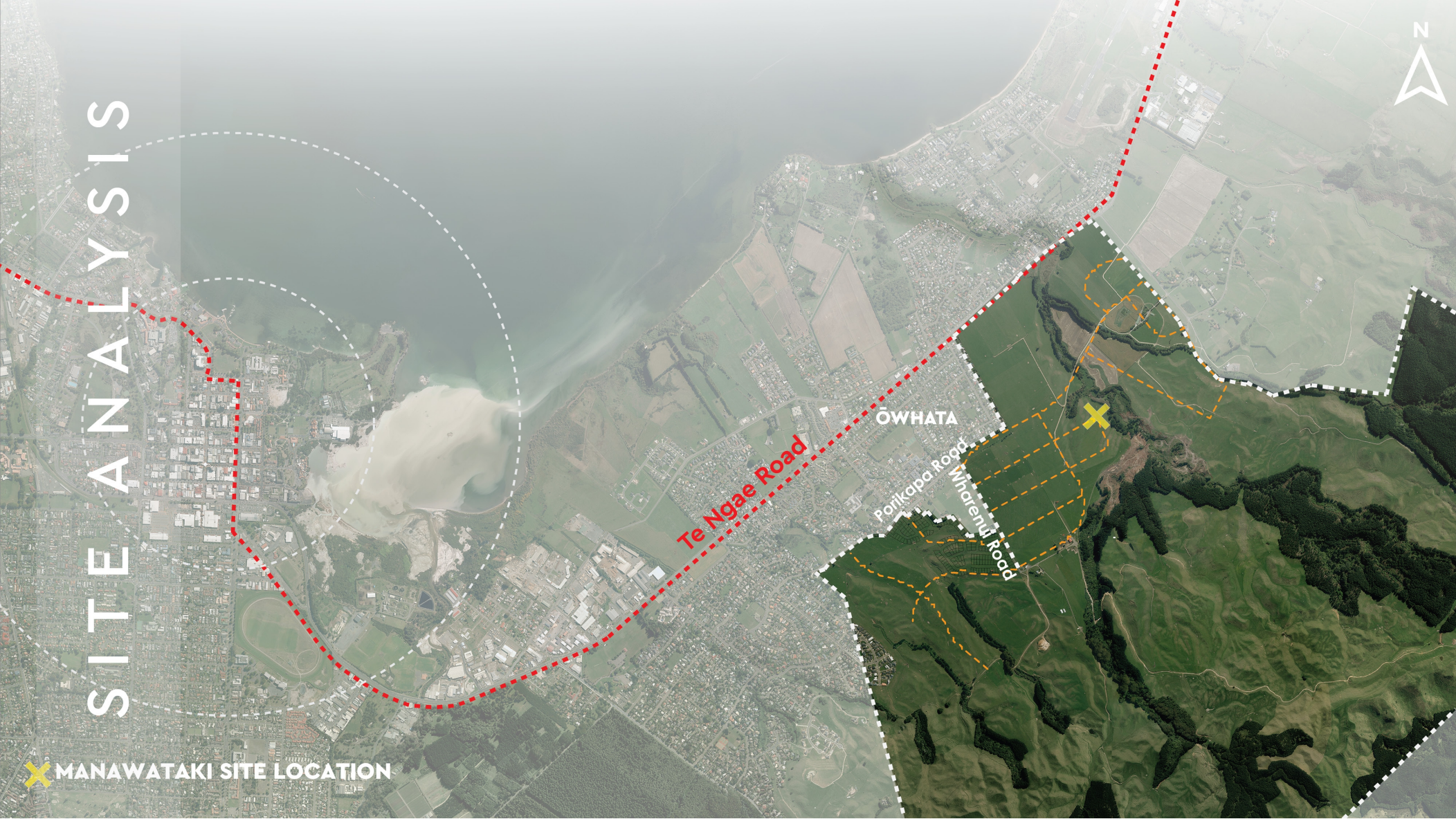


Te Ngae Road



SITE ANALYSIS

 MANAWATAKI SITE LOCATION



Te Ngae Road

ŌWHATA

Ponkapa Road

Wharenui Road



SITE ANALYSIS

TE ROTORUA NUI Ā KAHUMATAMOMOE

WAIKAWAU
(HANNAYS) BAY



HINEMOA POINT

ŌWHATA
MARAE

ŌWHATURA BAY

Ōwhata Road

ŌWHATA

Te Ngae Road

Ponkapa Road

Wharenui Road

NGĀPUNA

TE PAPA-ARUAMOĀ

HURUNGA TE RANGI MARAE

HINEMIHI MARAE

APUMOANA MARAE

Wharenui Development
Area

PUKEPOTO

 MANAWATAKI SITE LOCATION



SITE ANALYSIS

TE ROTORUA NUI Ā KAHUMATAMOMOE

WAIKAWAU
(HANNAHS) BAY



HINEMOA POINT

ŌWHATA
MARAE

ŌWHATURA BAY

Ōwhata Road

ŌWHATA

Te Ngae Road

Ponkapa Road

Wharenui Road

WAIKAWAU
STREAM

NGĀPUNA

TE PAPA-ARUAMOĀ

HURUNGA TE RANGI MARAE

HINEMIHI MARAE

ĀPUMOANA MARAE

Wharenui Development
Area

PUKEPOTO

 MANAWATAKI SITE LOCATION

SITE ANALYSIS

TE ROTORUA NUI Ā KAHUMATAMOMOE

WAIKAWAU
(HANNAHS) BAY



HINEMOA POINT

ŌWHATA
MARAE

ŌWHATURA BAY

Ōwhata Road



ŌWHATA

Te Ngae Road

Ponkapa Road

Wharenui Road

WAIKAPU STREAM

NGĀPUNA

TE PAPA-ARUAMOĀ

HURUNGA TE RANGI MARAE

HINEMIHI MARAE

APUMOANA MARAE

Wharenui Development
Area

PUKEPOTO

 MANAWATAKI SITE LOCATION

Manawataki asks, "How might the Maramataka of Te Arawa be applied as a socio-cultural-ecological design driver [or catalyst] for developing holistic housing that supports Mauri Ora [wellbeing]?"





MARAMA

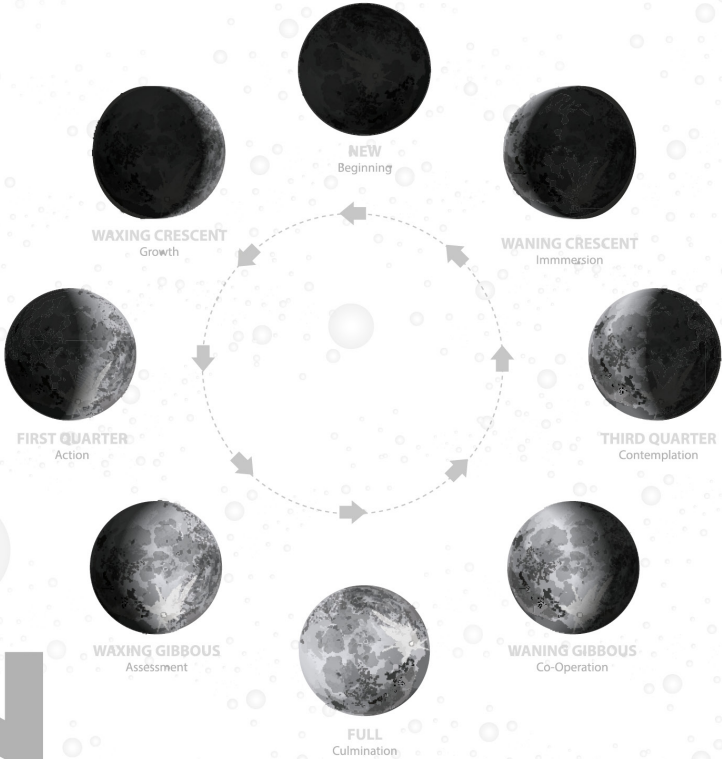
TAKA

... moon

... revolving

02

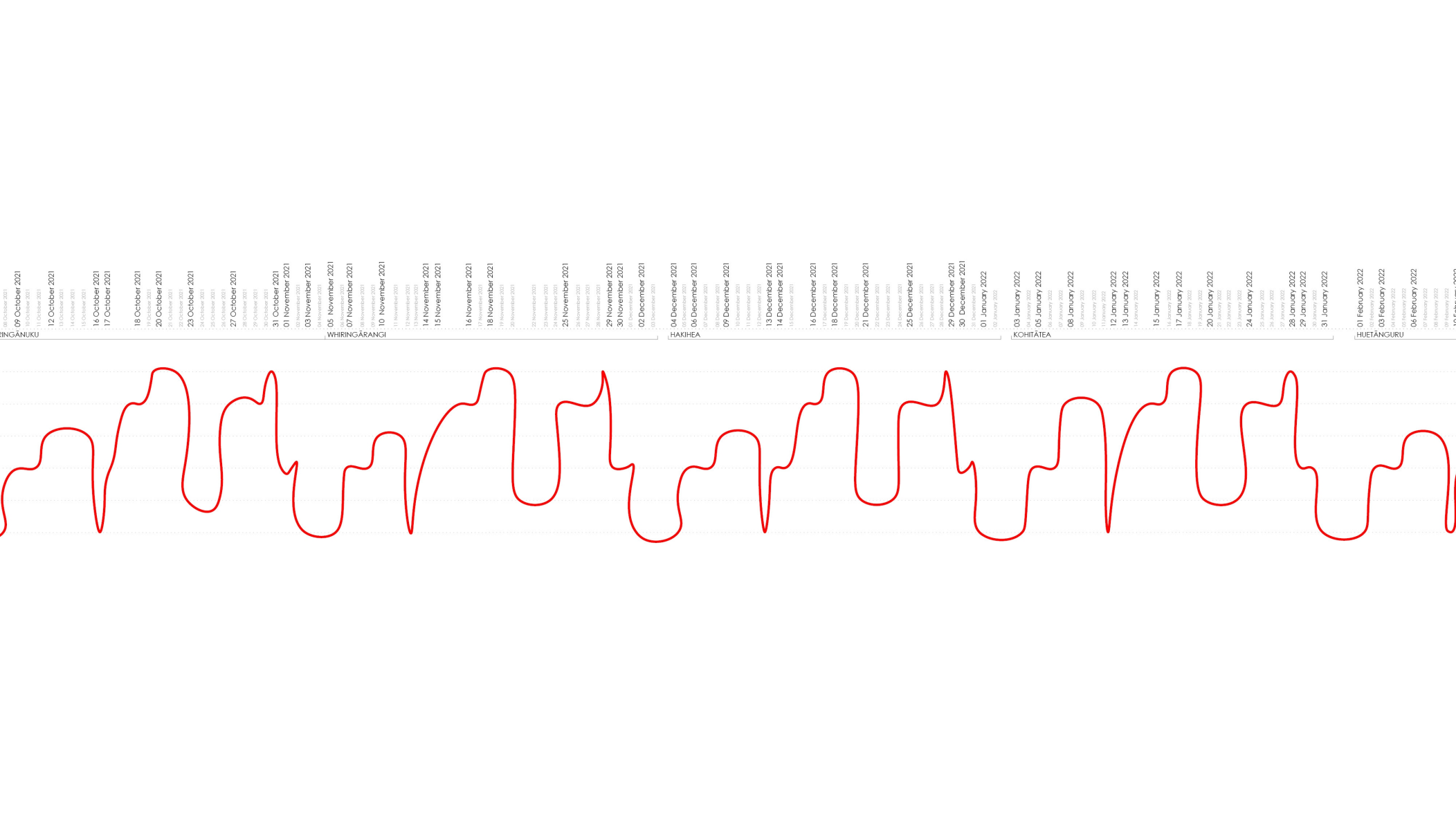
PROJECT FOCUS



MOON PHASES

ENERGY FLOW - TE MARAMATAKA O TE ARAWA



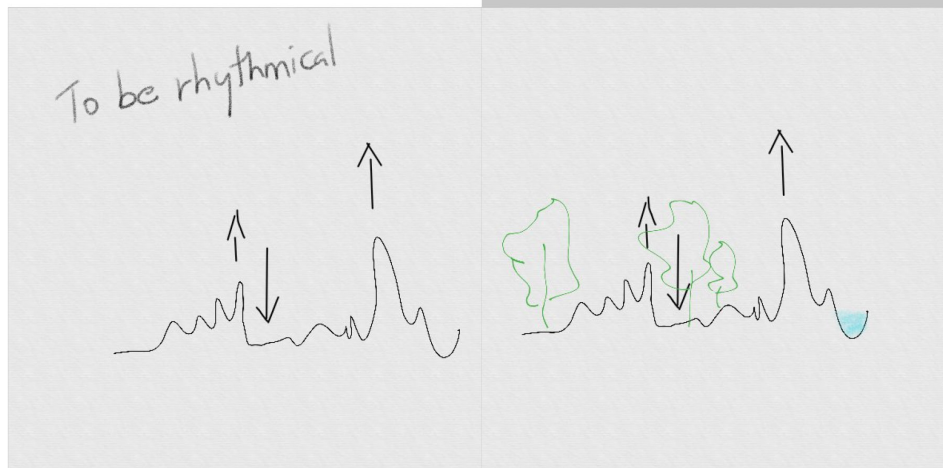


EXCERPT FROM ABSTRACT

This research explores an intensive, interlinked housing alternative model for Te Tatau o Te Arawa in Rotorua.

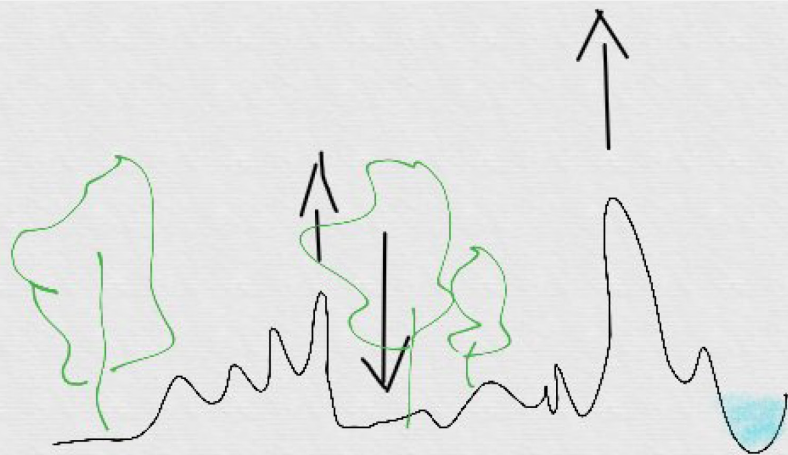
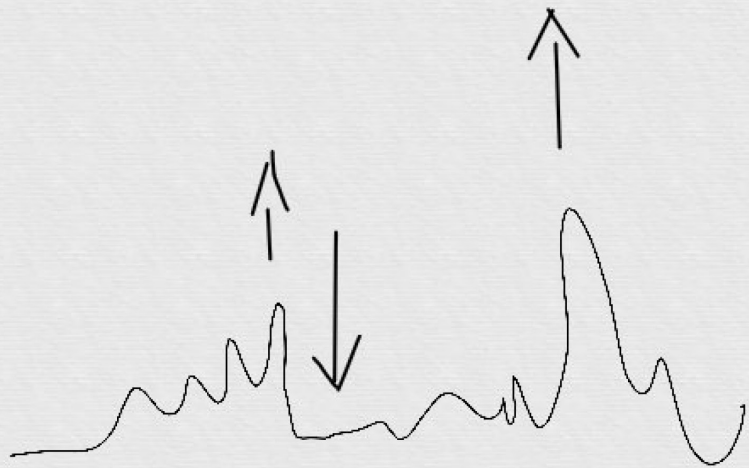
It asks, "How might the Maramataka of Te Arawa be applied as a socio-cultural-ecological design driver for developing holistic housing that supports Mauri Ora [wellbeing]?"

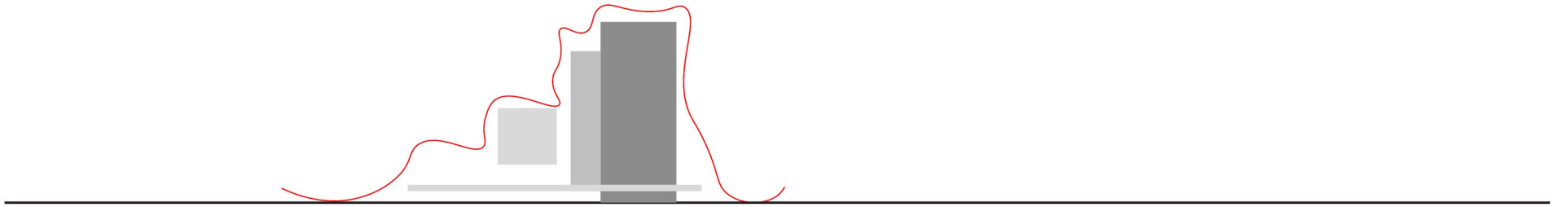
The research and the resulting proposal utilises a Mauri Ora holistic wellbeing compass and considers the significant importance of indigenous knowledge. It examines the opportunities ahead that are possible through honouring the indigenous knowledge and those that protect and pass it down to generations.



RHYTHMICAL CONCEPT

03 PROCESS





Emergent tree layer [Kahikatea & Rimu]

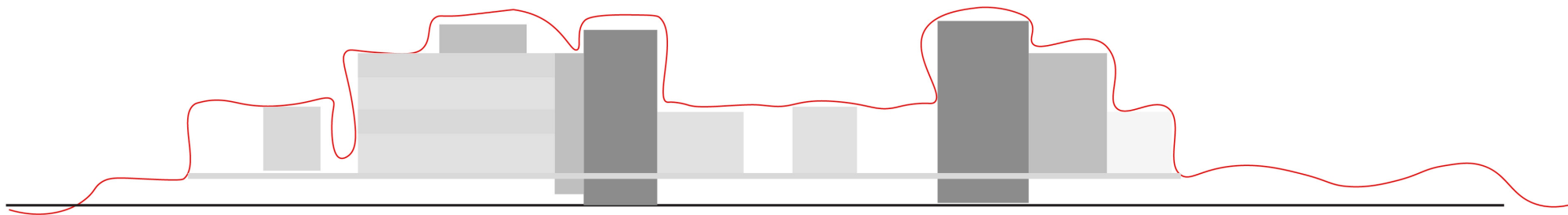
Canopy tree layer [Tawa, Northern Rata, Rewarewa & Totara]

Subcanopy tree layer [Kanuka, Hinuau & Tawa]

Understorey tree layer [Māhoe & Kanuka]

Seedlings & leaf litter layer





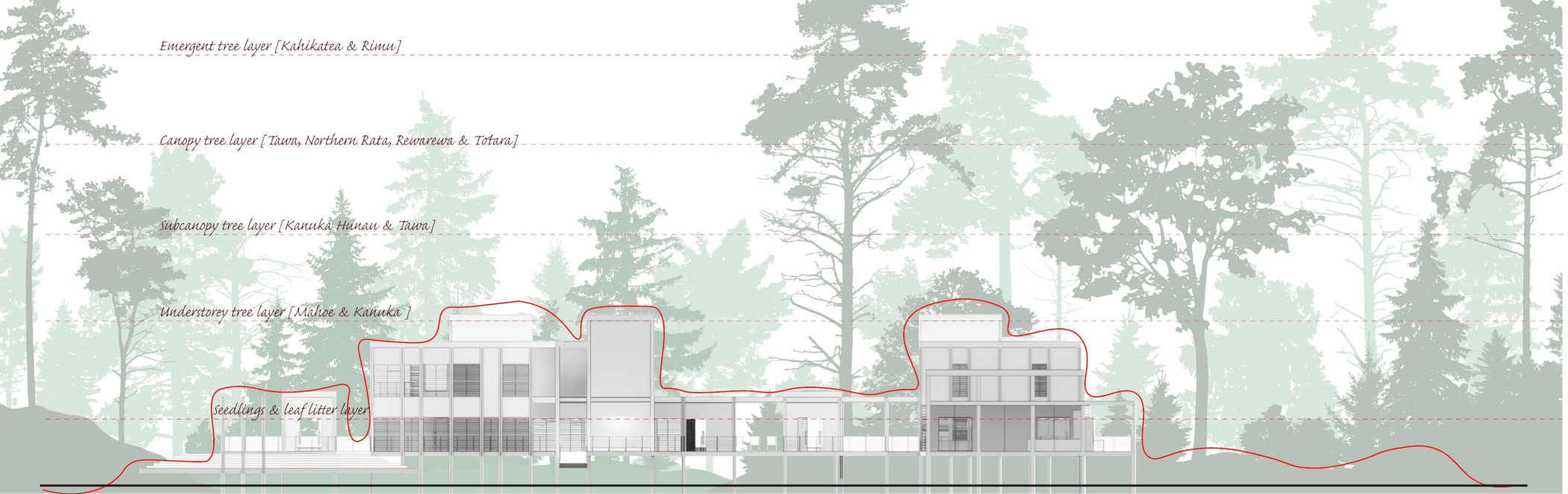
Emergent tree layer [Kahikatea & Rimu]

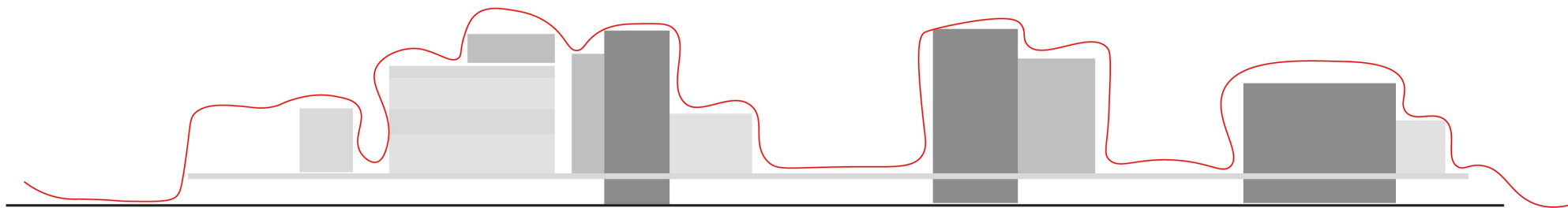
Canopy tree layer [Tāwa, Northern Rata, Reiwārewa & Totara]

Subcanopy tree layer [Kanuka, Hūnau & Tāwa]

Understorey tree layer [Māhoe & Kanuka]

Seedlings & leaf litter layer





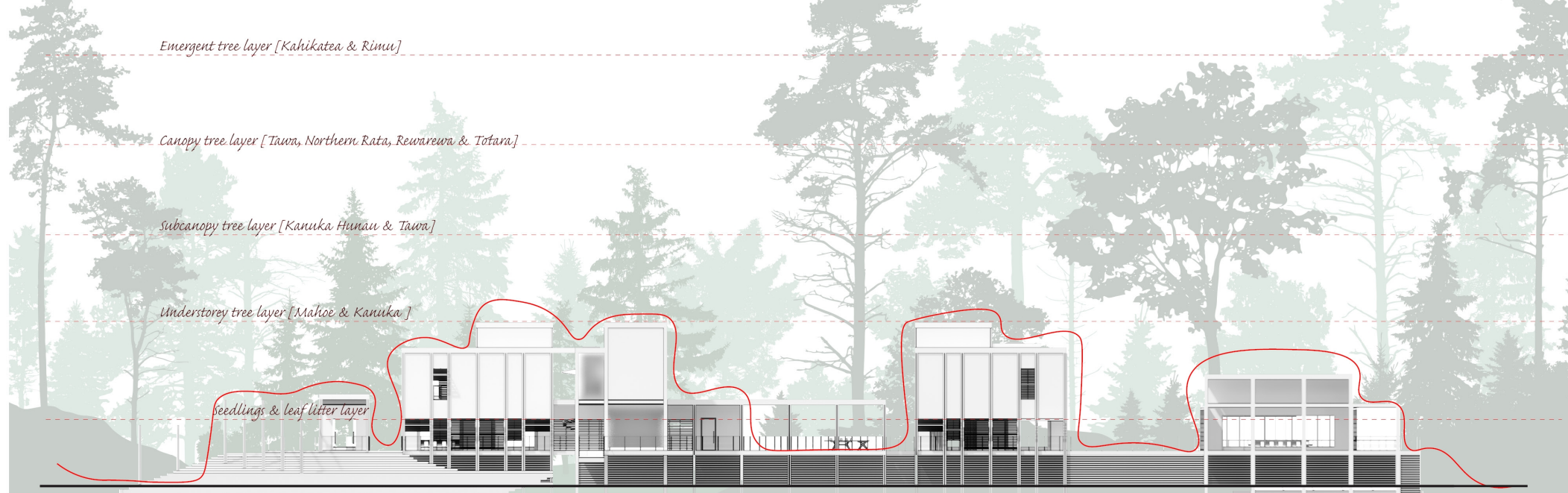
Emergent tree layer [Kahikatea & Rimu]

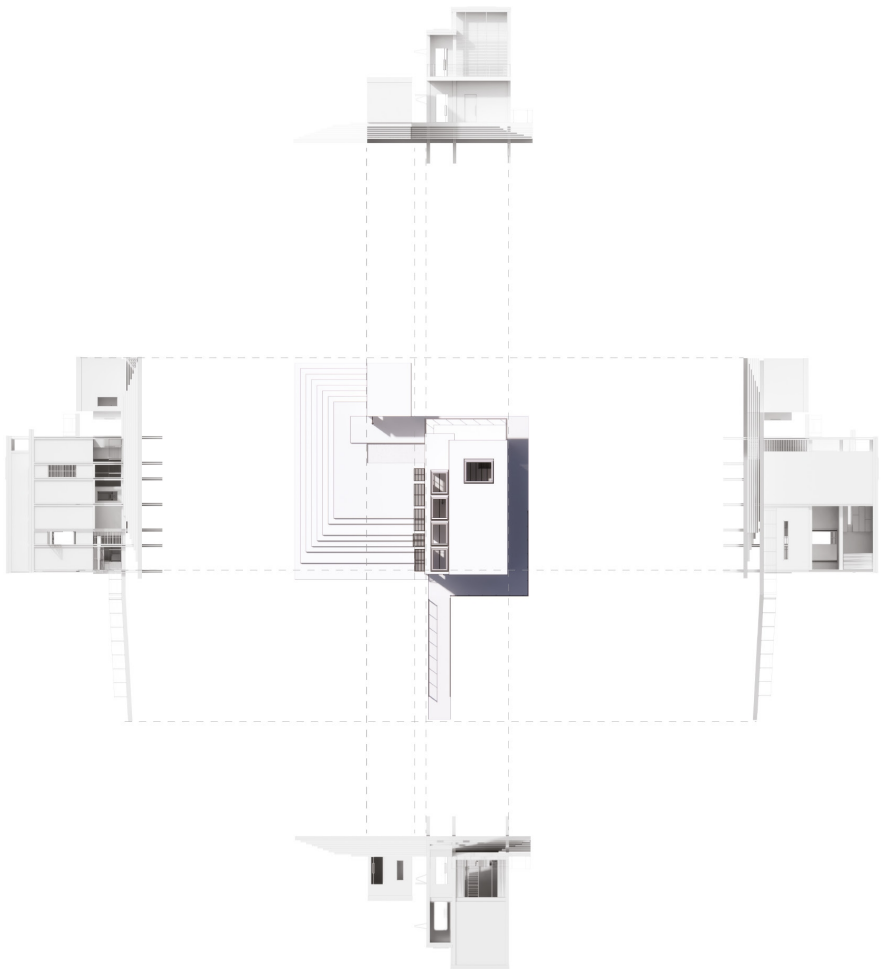
Canopy tree layer [Tāwa, Northern Rata, Rewarewa & Totara]

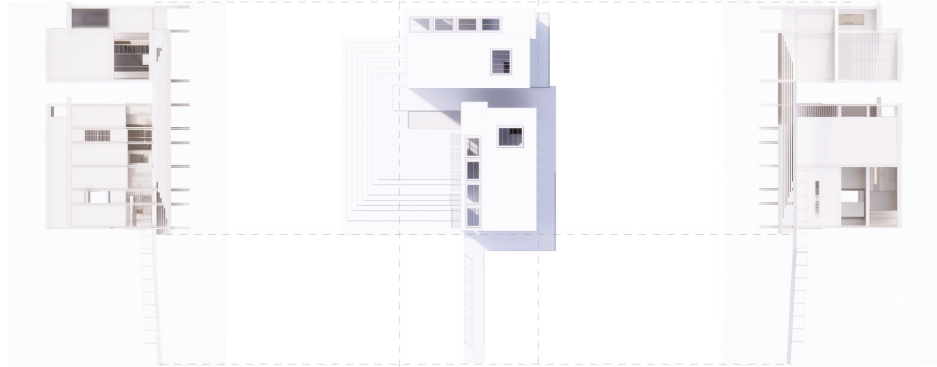
Subcanopy tree layer [Kanuka Hunau & Tāwa]

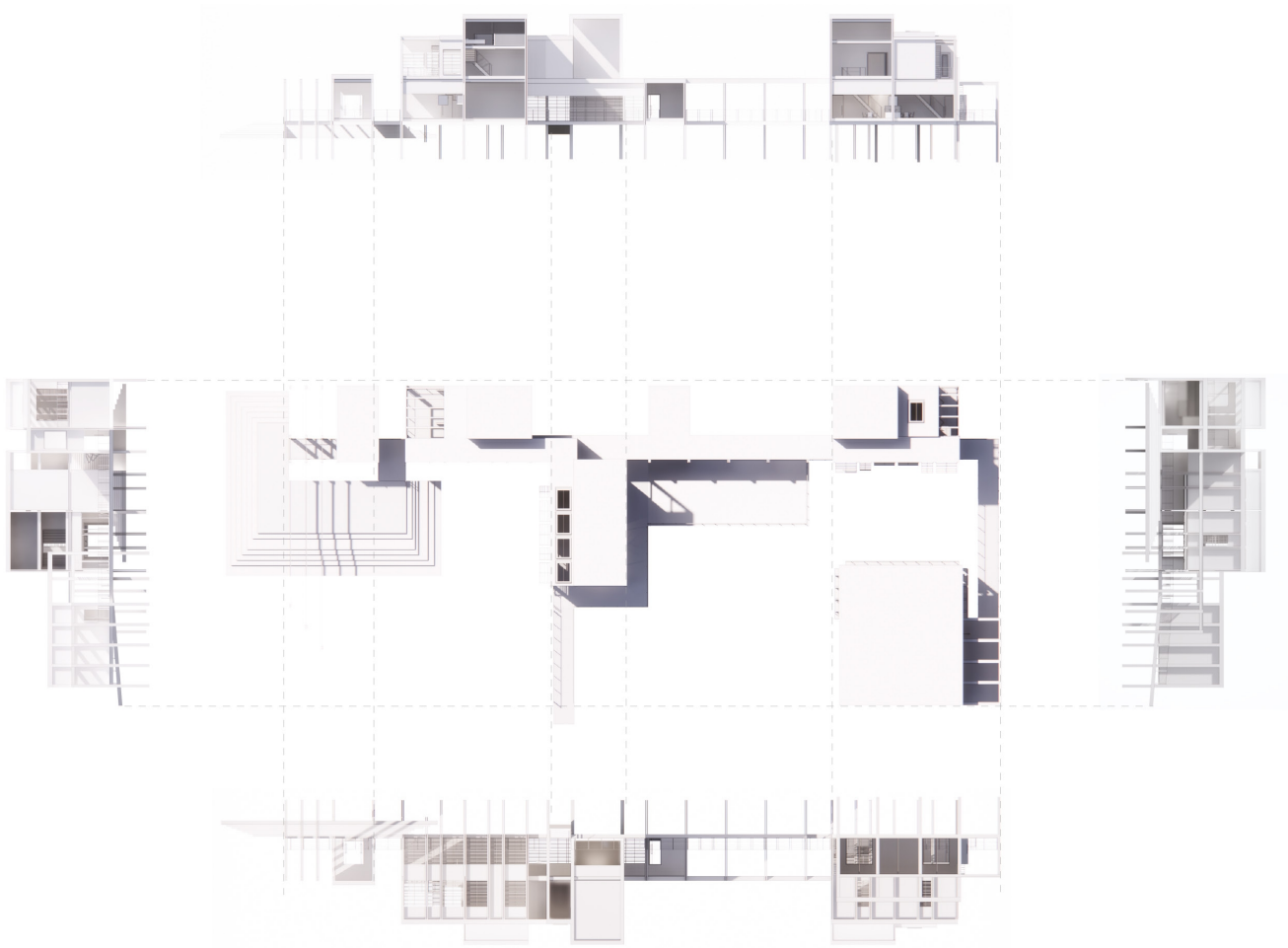
Understorey tree layer [Mahoe & Kanuka]

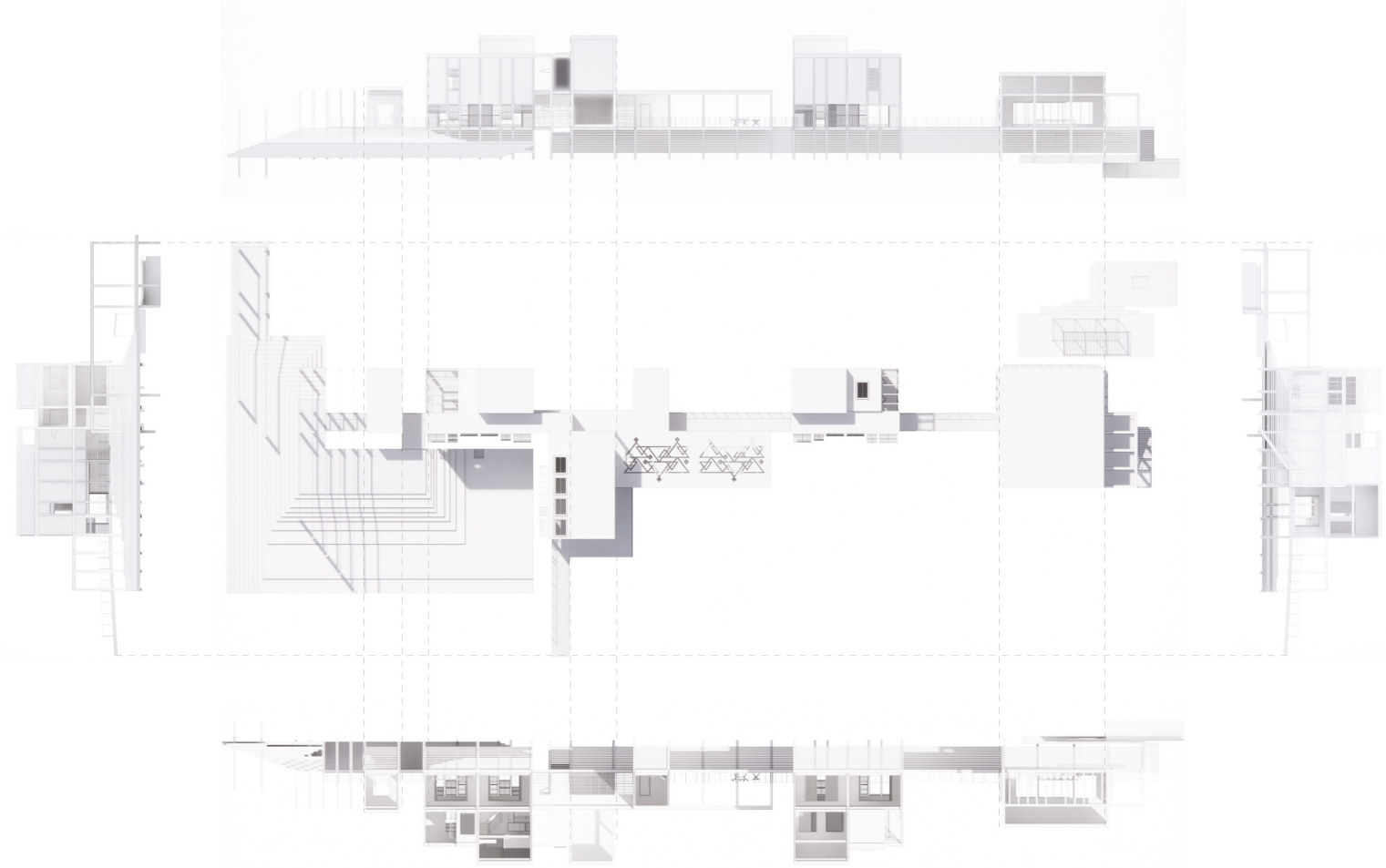
Seedlings & leaf litter layer





















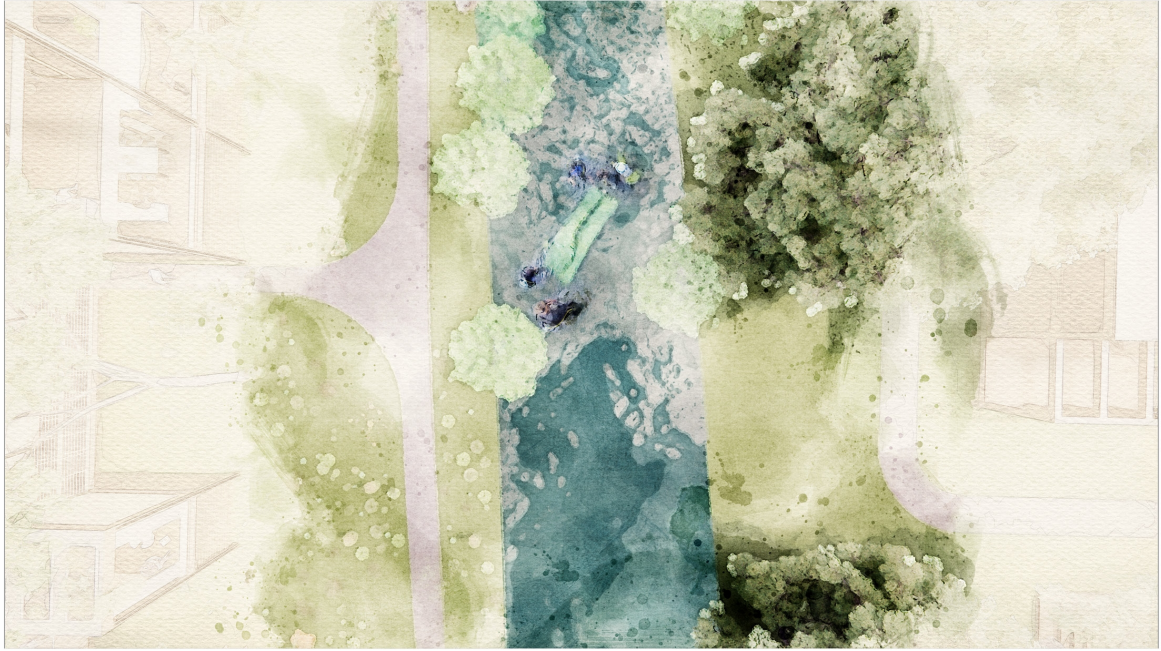






Ōrongonui [medium]

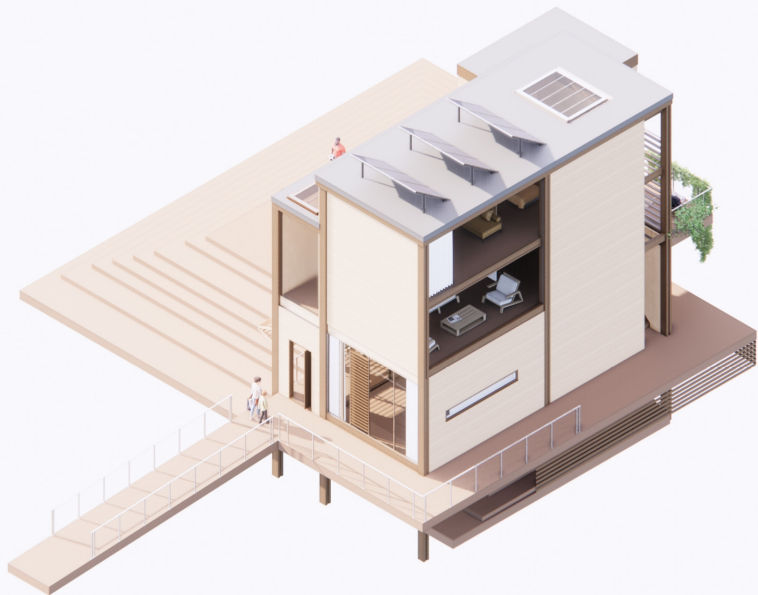




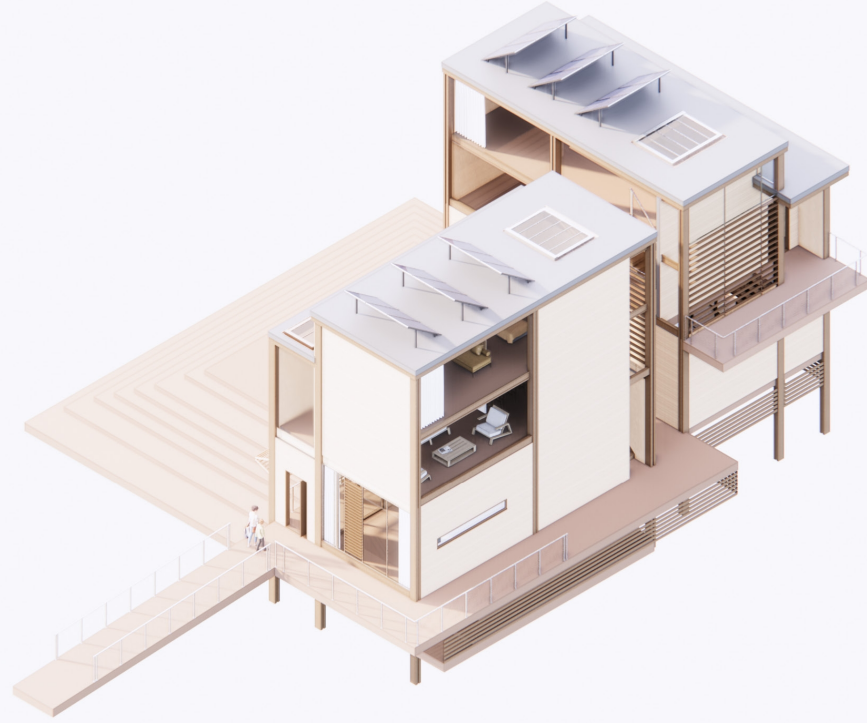




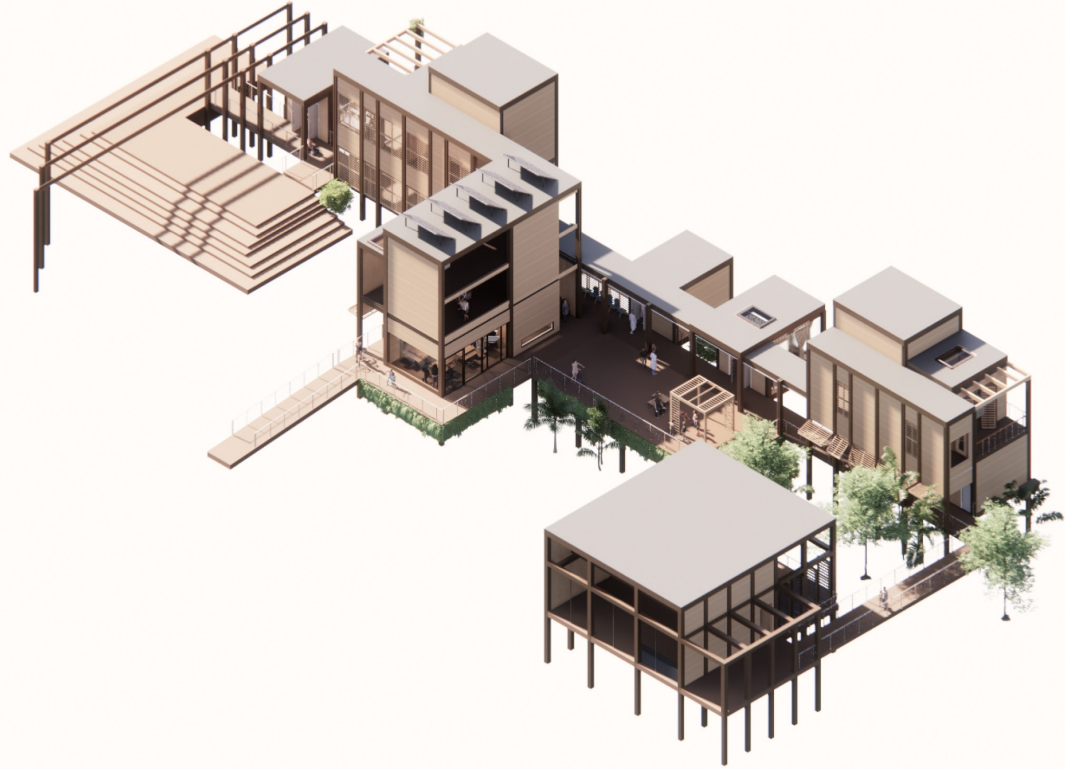
COHOUSE



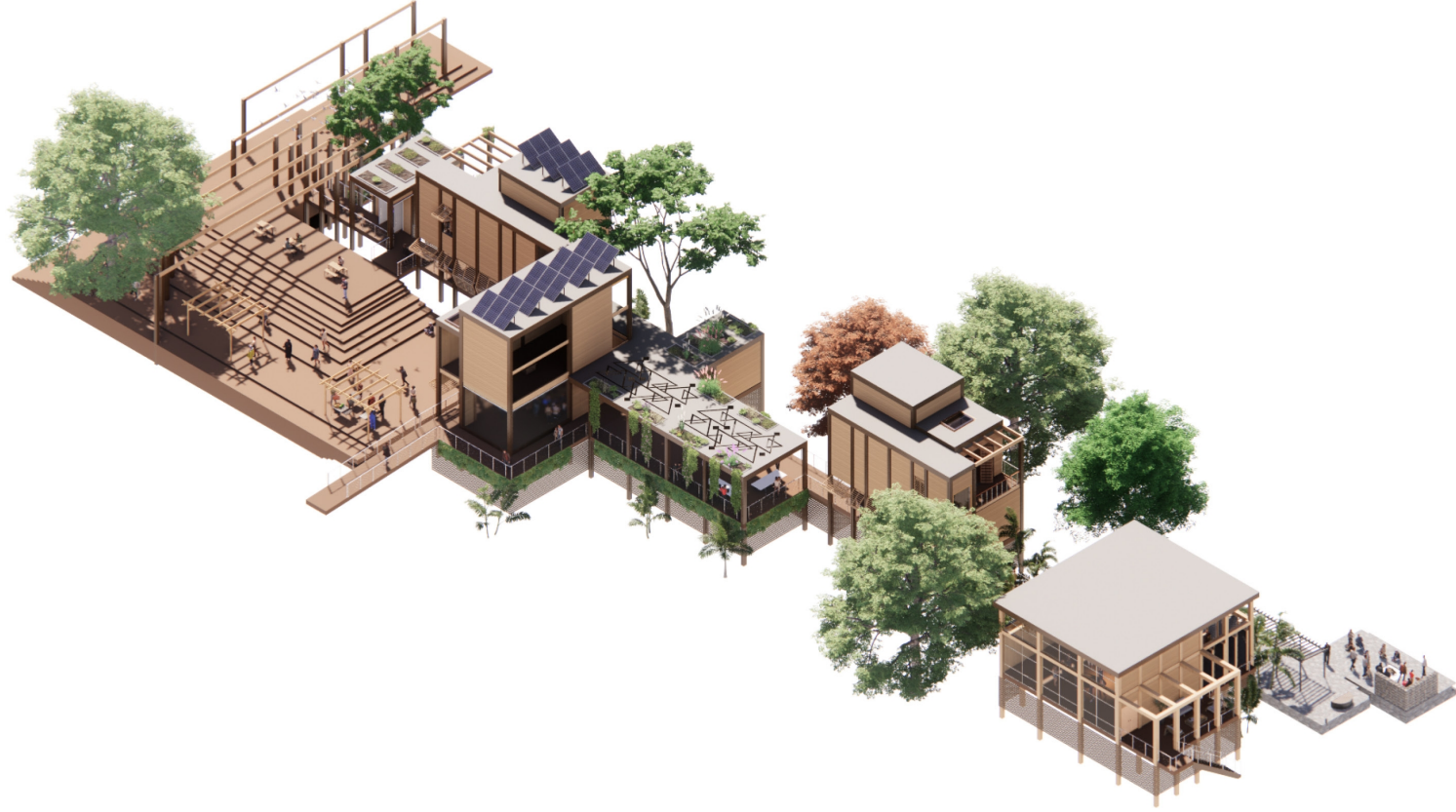
COHOUSE X2



COHOUSE + OUTDOOR LIVING
+ GATHERING HOUSE

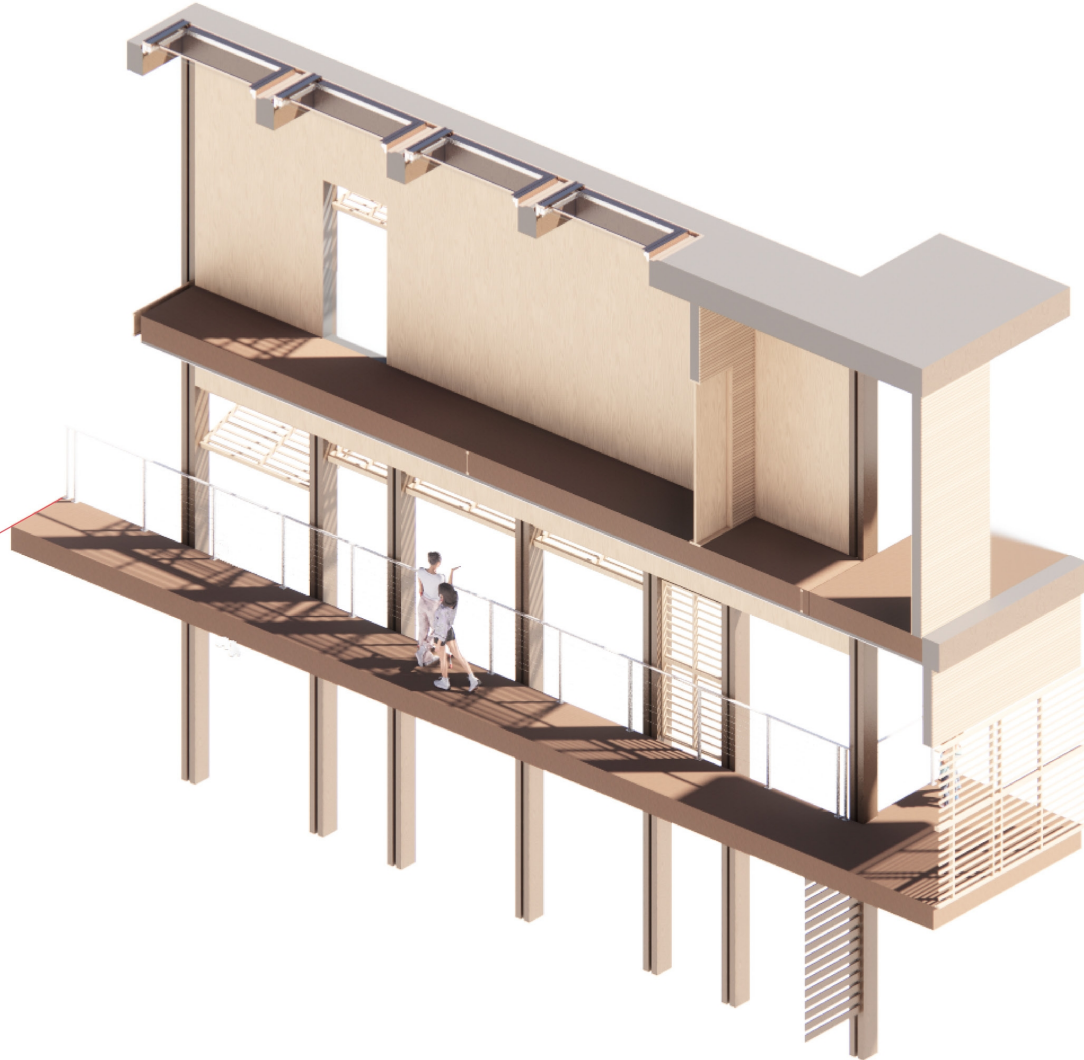


COHOUSE + OUTDOOR LIVING
+ GATHERING HOUSE + PUBLIC
MARKET



ENGAWA SPACES AS THIRD
SPACES

AXONOMETRIC
ENGAWA INTERIOR
STUDY



04 LIVING IN RHYTHM





Transformation to an ecological living systems culture

LIFE-WORK balance in Affordable NET-ZERO CARBON HOUSING

Māra Kai and Food commons

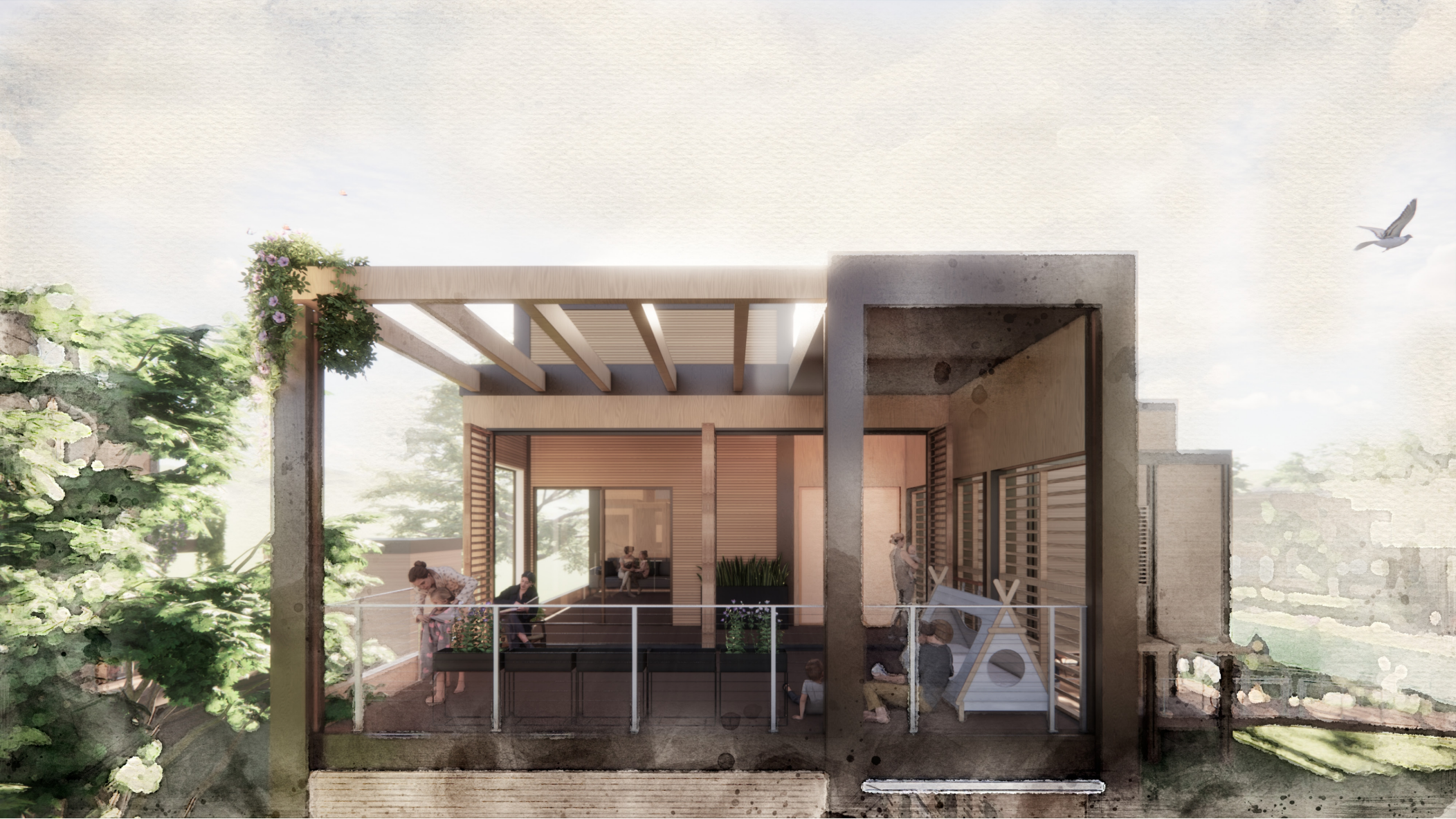
Walkable Green Neighbourhoods

Pāpakainga & Co-Housing

Biophilic Design

Community and BLUE-GREEN infrastructure

Swales, also known as bioretention, filter or infiltration strips, are broad, grass channels used to treat stormwater runoff.

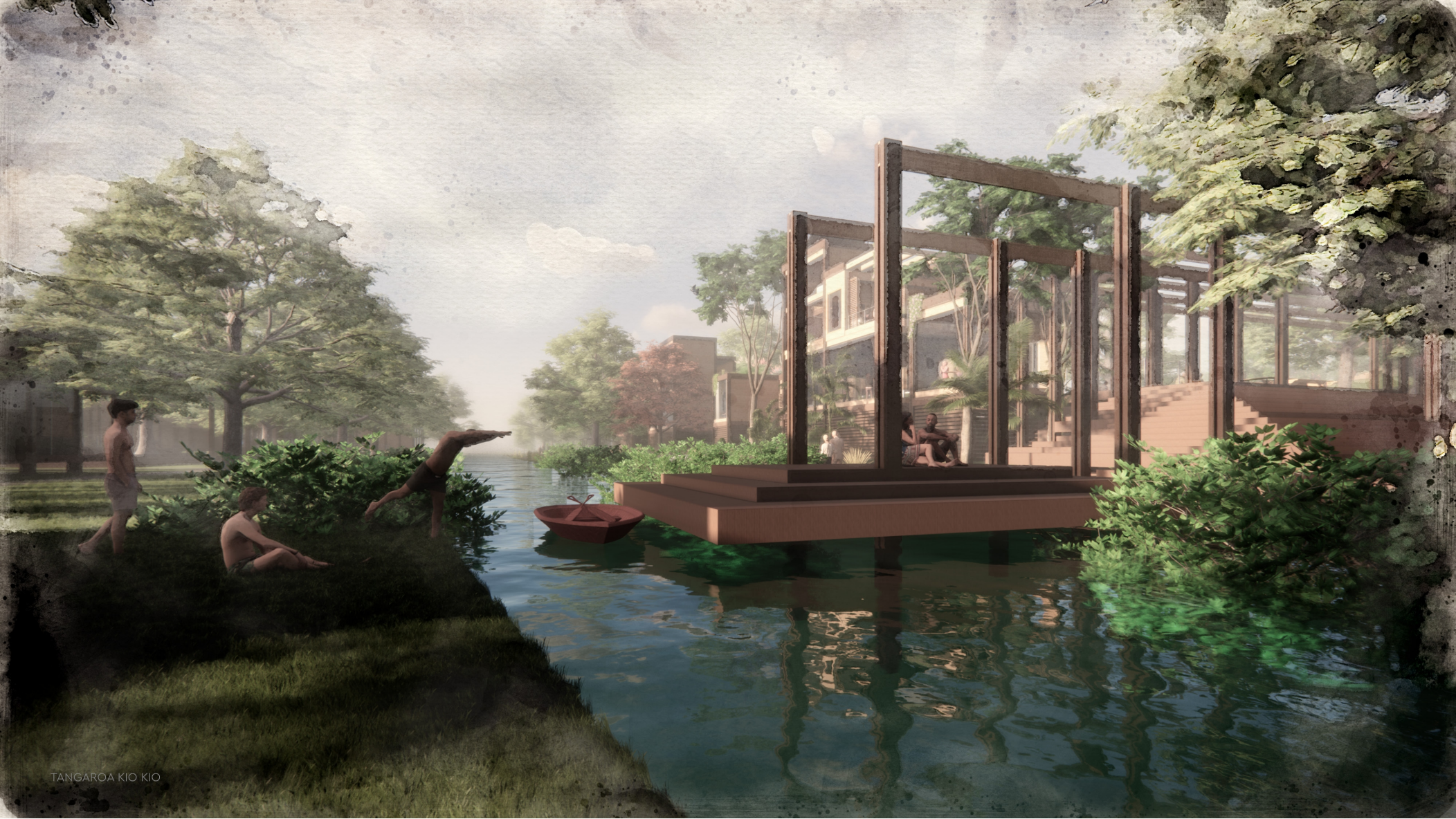


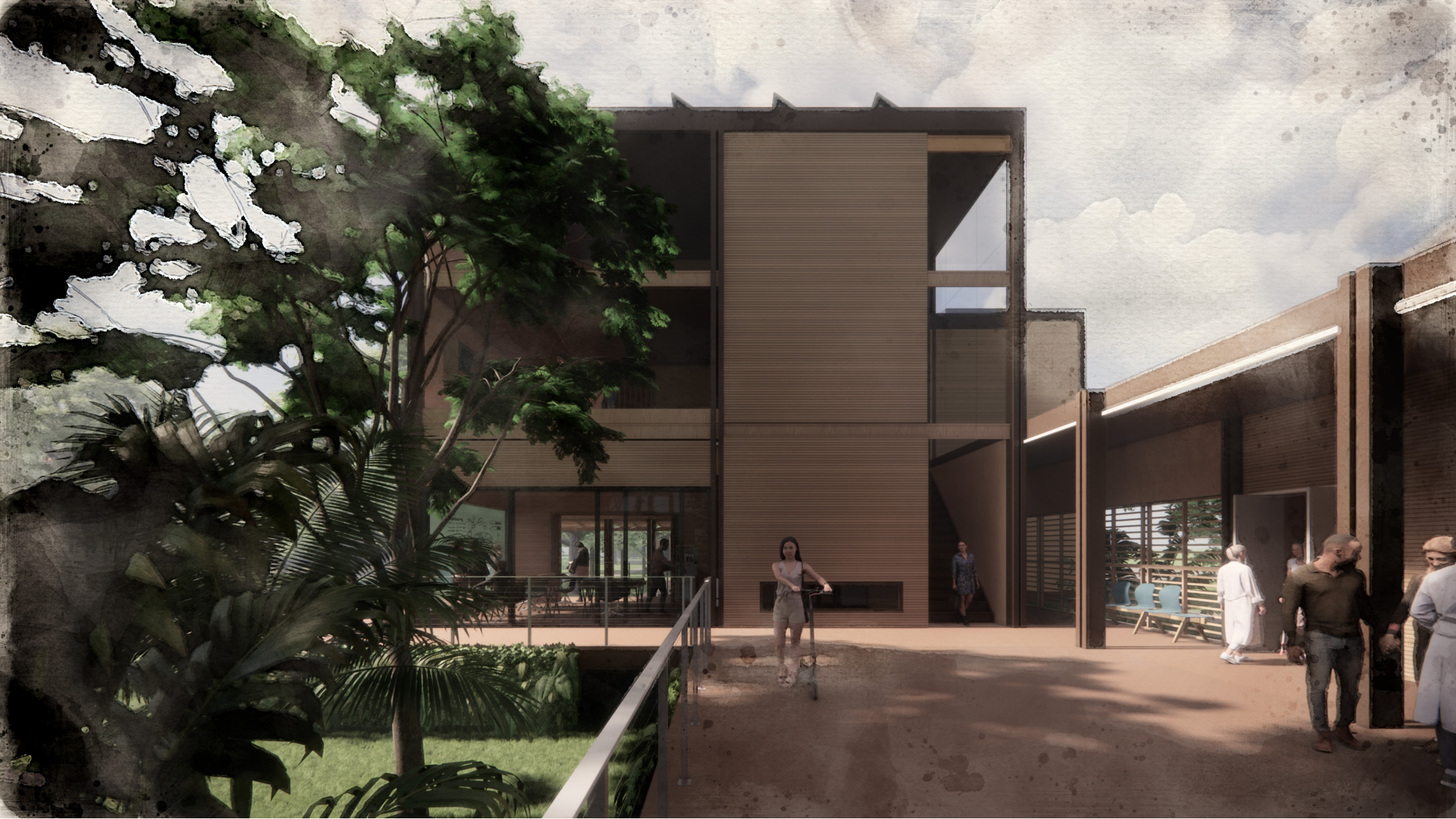








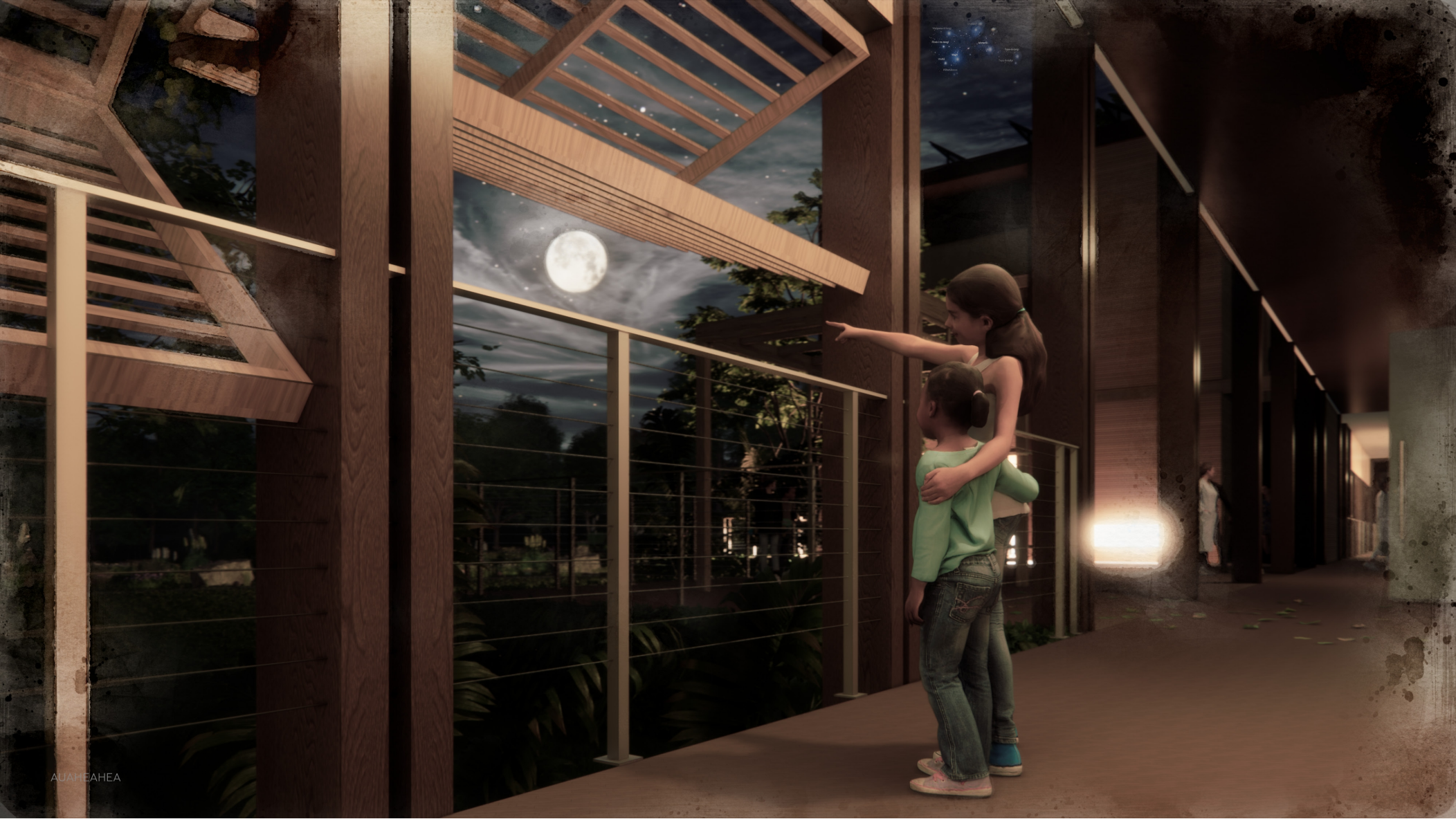
















Manawatāki ...
to be rhythmic

Manawatāki ...

to be rhetorical 