

ALTERED STATES

Inhale the Revolution

2085

Society in 2085 is saturated in a thick, dark, digital smog: a by product of decades of AI development and an over reliance on virtual systems. This oppressive atmosphere has plunged society into a deep depression, leading many to seek escape through OblivionX, a illegal drug that induces weeks long sleep.

Alarmed by this mass disengagement, the Department of Human Remembrance launches a counter initiative: transforming the historic Papplewick Pumping Station into a facility which cultivates natural endorphin enhancers (Psilocybin Mushrooms) which are inhaled through steam to change societies depressive state and rewire the mind toward renewal, initiating a revolution of change.



Digital Smog



Depression



OblivionX

DESIGN INTENT

This project re-purposes Papplewick Pumping Station into a facility for the local community. The design honours the building's industrial heritage by retaining its materiality: steel, brick, and steam, using them as sensory tools within a series of rituals. The original machinery such as the boilers and pistons are celebrated and repurposed to serve the new rituals, transporting infused steam. The roofline is reimagined through origami inspired forms, mirroring the existing shape while introducing a new architectural language of transformation. Once a steam powered station providing clean water to its community, the site now reclaims the transformative power of steam to spark a new kind of revolution, continuing its legacy of public service in a future desperate for a change of state.



EXISTING SITE
PAPPLEWICK PUMPING
STATION



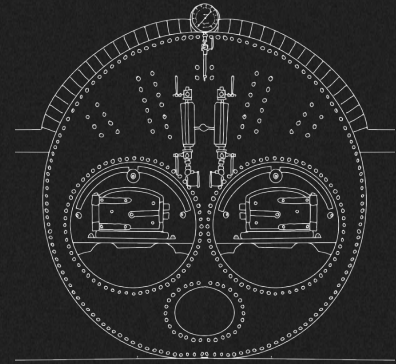
SITE SIGNIFICANCE

The site is a symbol
of industrial progress
and public service.



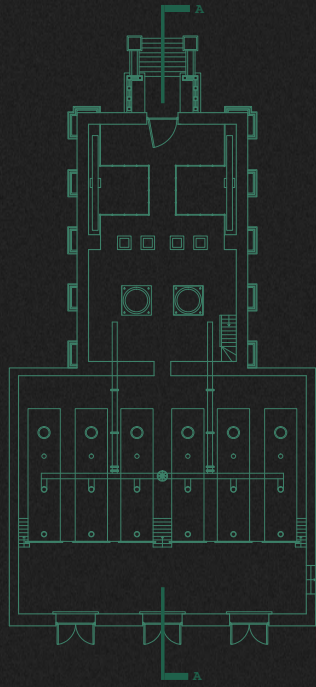
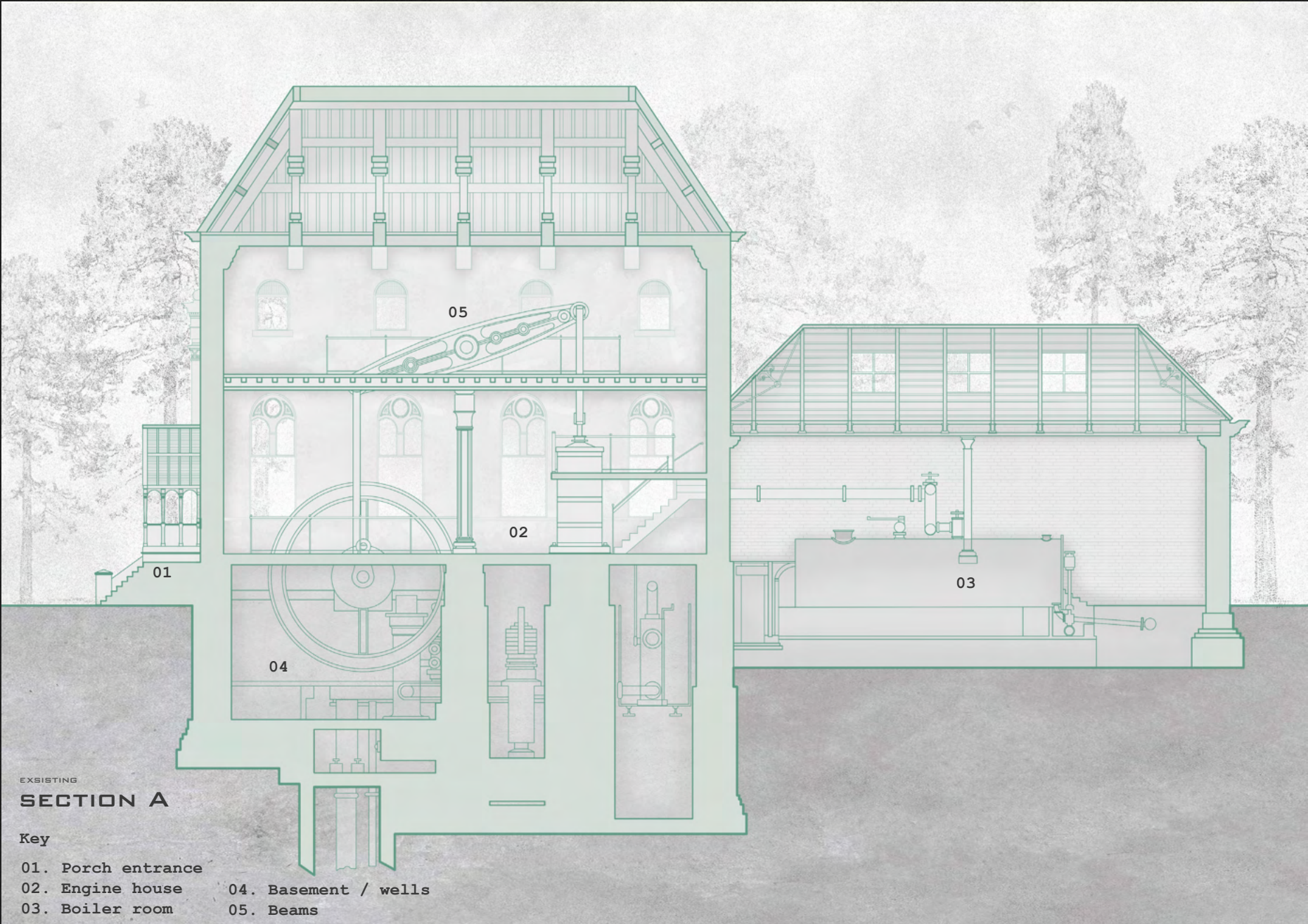
CRAFTSMANSHIP

The existing site
has lots of intricate
details and fine
architectural work,
this elaborate design
is honoured in the
new design through
complex origami
forms.



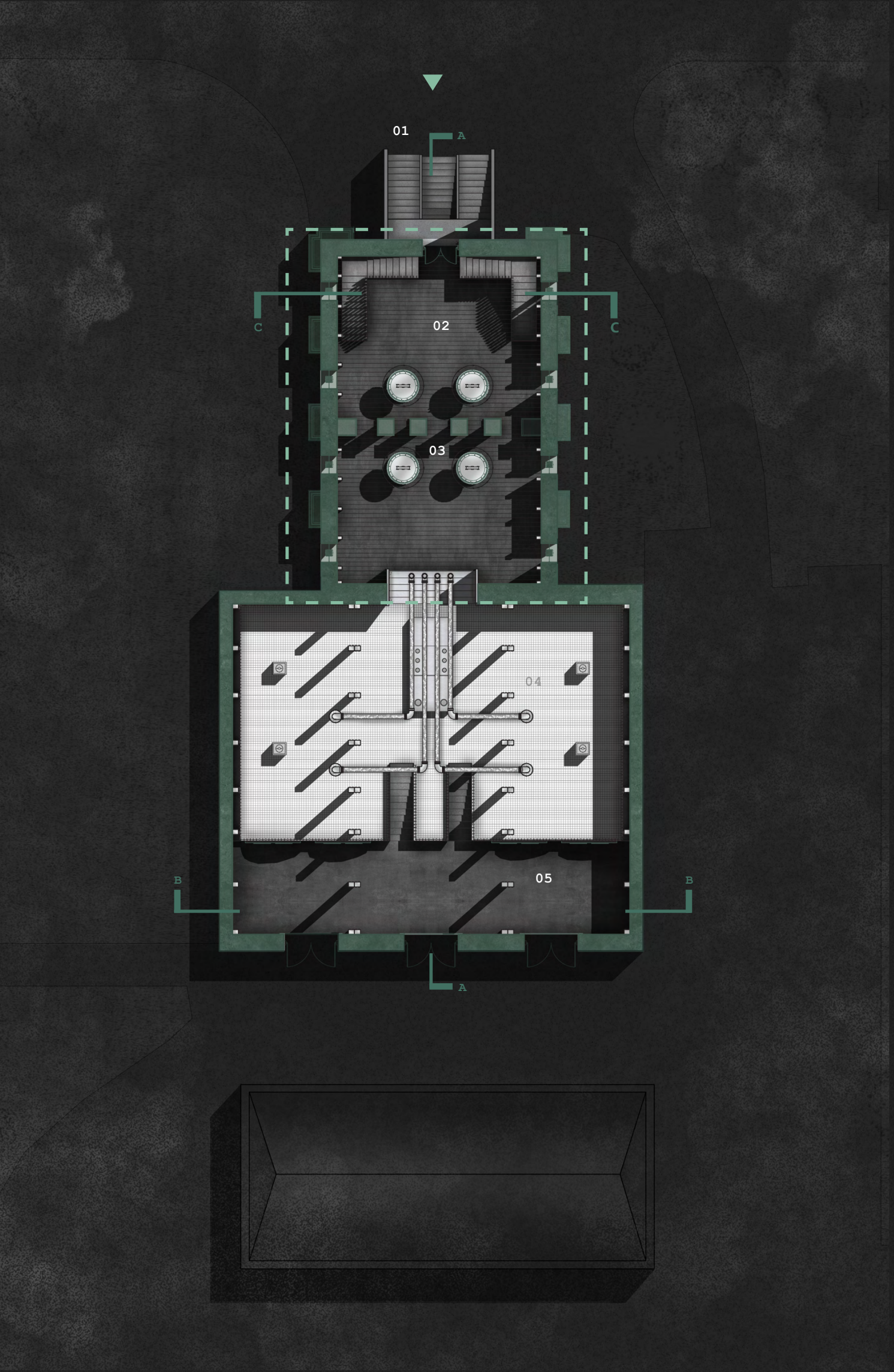
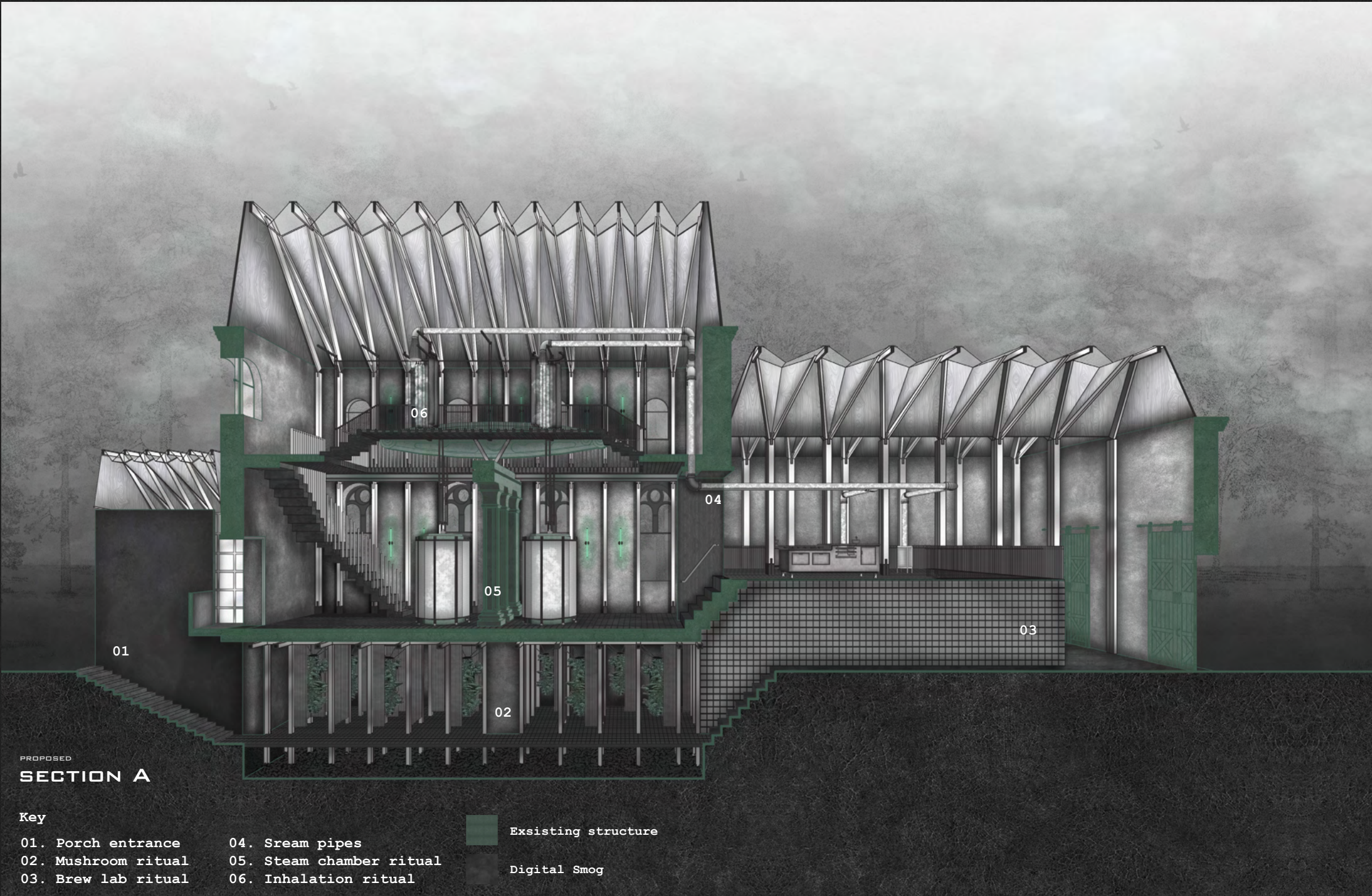
REPURPOSING AIM

By repurposing
Papplewick's
historic machinery
and architecture,
my design aims to
honour its legacy
while transforming its
function.



EXISTING
STRUCTURE

The majority
of the pumping
station's
existing
architectural
envelope and
machinery is
maintained in
the new design
as well as the
materiality.



PROPOSED
GROUND FLOOR PLAN

- Key
- 01. Entrance
 - 02. Steam chamber introspective ritual
 - 03. Existing pistons and collumns
 - 04. Boilers / pipes for infused steam
 - 05. Brew lab ritual

- Existing structure
- Digital Smog
- Area of focus

RE-USE

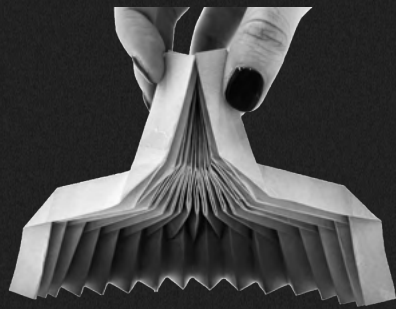
Hidden under a suspended grid floor the existing boilers have been repurposed to make the infused steam, glass pipes carry the steam into the engine house following the same path as the original pipes did. The pistons where also reused to create a sensory experience by housing steam.



DESIGN CONCEPT

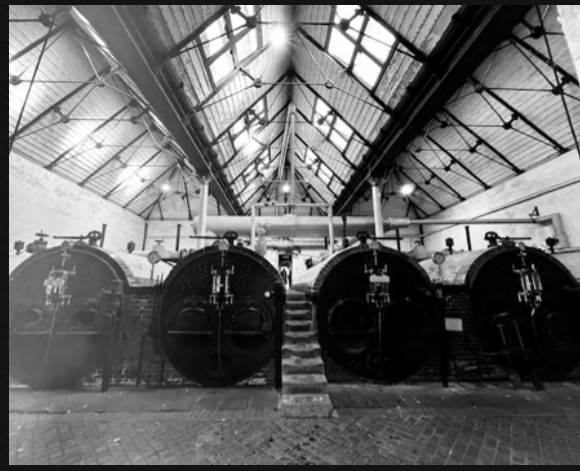
The project draws inspiration from the Aeolipile, an ancient steam-powered device that, through gradual reinvention, sparked the Industrial Revolution.

This idea of small transformations leading to profound change became my concept 'change of state' and is reflected in the design process through origami, where simple folds evolve into complex forms.



ORIGAMI

A form of 2D to 3D transformation which became the language i chose to explore my concept and insipred the geometry within my design.



INDUSTRIAL HERITAGE

The new design pays homage to the building's industrial heritage by preserving the original locomotive steam boilers and reimagining their purpose than than sitting as static relics.

The design bridges past and future, celebrating the revolutionary potential of steam power to ignite change.



EXPERIMENTAL SECTION
SECTION B

Key

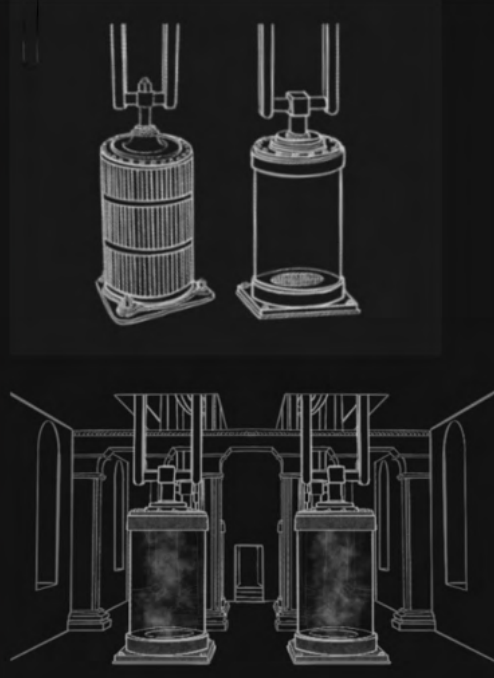
60 years before

Digital Smog

01. Steam brew Lab

02. Boiler room

This expirmental section cuts through the building in the 2085 narrative while having a snip that show its exsisting condition 60 years earlier.



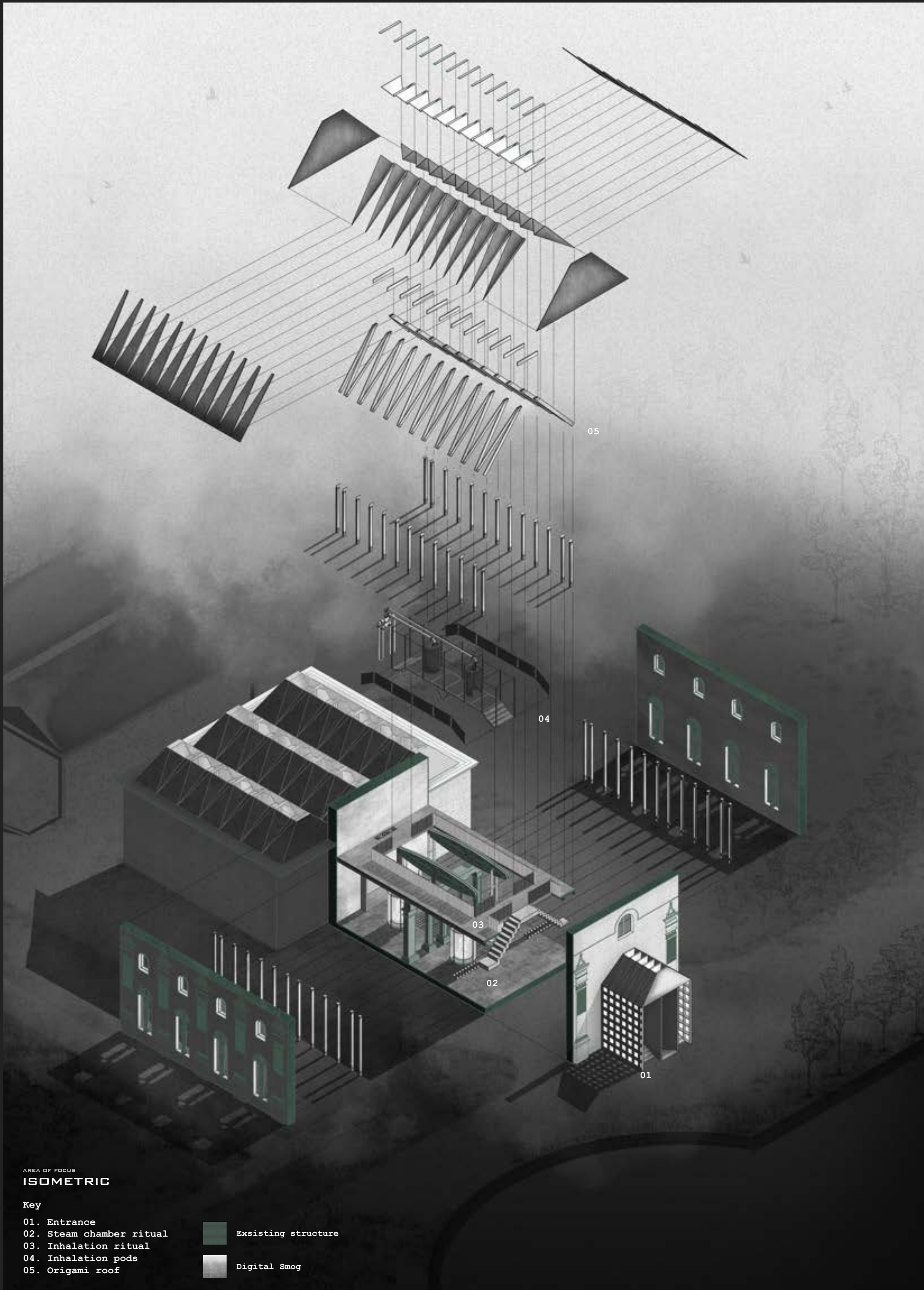
AREA OF FOCUS
STEAM CHAMBER

A sensory walkway to the inhalation space, which encourages reflection and prepares the mind for the steam remerdy.

ORIGINAL FORMS AND SILHOUETTES

The original form of the building remains the same however internal modifications are made to make the space suitable for its new purpose.

For example the pistons are modified to be glass however their circular silhouette remains the same.



AREA OF FOCUS
ISOMETRIC

Key

- 01. Entrance
- 02. Steam chamber ritual
- 03. Inhalation ritual
- 04. Inhalation pods
- 05. Origami roof

- Existing structure
- Digital Smog



THE RITUALS



CULTIVATION

The cultivation space is where visitors grow, care for and harvest mushrooms representing those small forces which build up to inforce change



DISTILLATION

The distillation space is where visitor make the psilocybin infused brew, creating the transformative substance



REFLECTION

The reflection space will immerse the visitors in a walkway where the steam is visible to encourage remembrance of the aeolipile and steam power



INHALATION

The elevation space is where visitors experience a change of state through steam inhalation and celebrate natural remedies and steam



SPATIAL PURPOSE

The inhalation pods are the final ritual, where visitors breath in the steam and experience natural endorphin enhancement altering their depressed state of mind, encouraging renewal. The steam is a symbol of change while the space is a zone between the decaying world and the possibility of renewal. The beams which once supported heavy steam machinery now hold up the inhalation bridge, carrying the weight of a new kind of transformation.



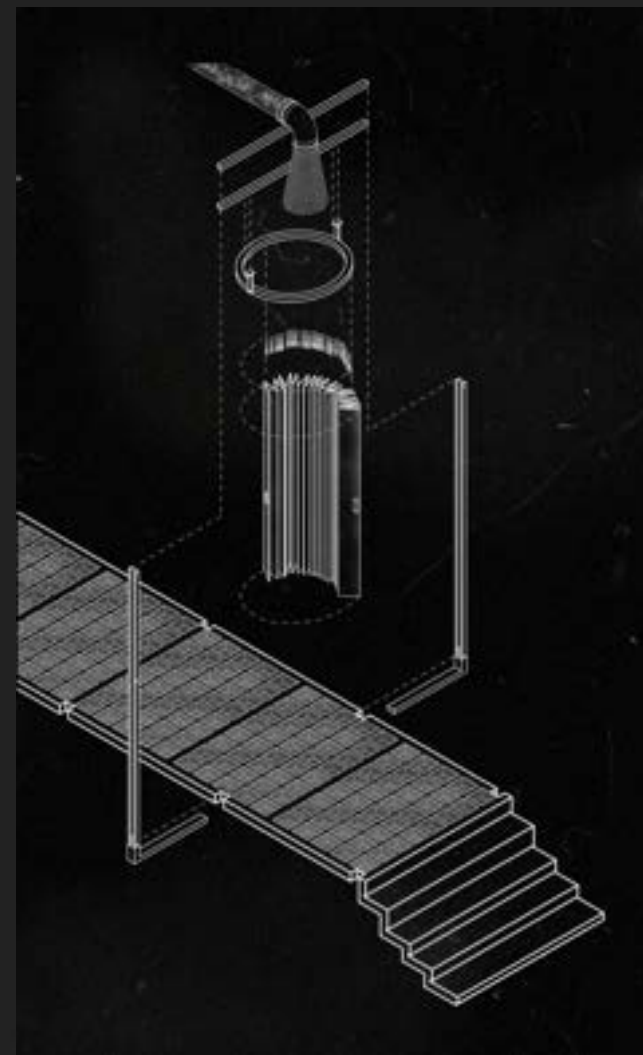
ARCHITECTURAL MEMORY

By retaining the original pumping beams and integrating them into a new bridge stretching between them the design preserves the architectural memory of the space.

Since the beams support the bridge where the most important ritual takes place they become a literal and symbolic platform for transformation, reminding visitor of its original function during the inhalation ritual.

TRANSFORMATIONAL DESIGN

Inspired by the expanding and contracting motion of origami, the pods adapt this feature so that they fold away when not being used. It is also used to symbolise the many small changes which are needed to start revolution as the canvas is stretched open it reveals each fold and encloses the individual inside, creating a metaphor for transformation.





AREA OF FOCUS

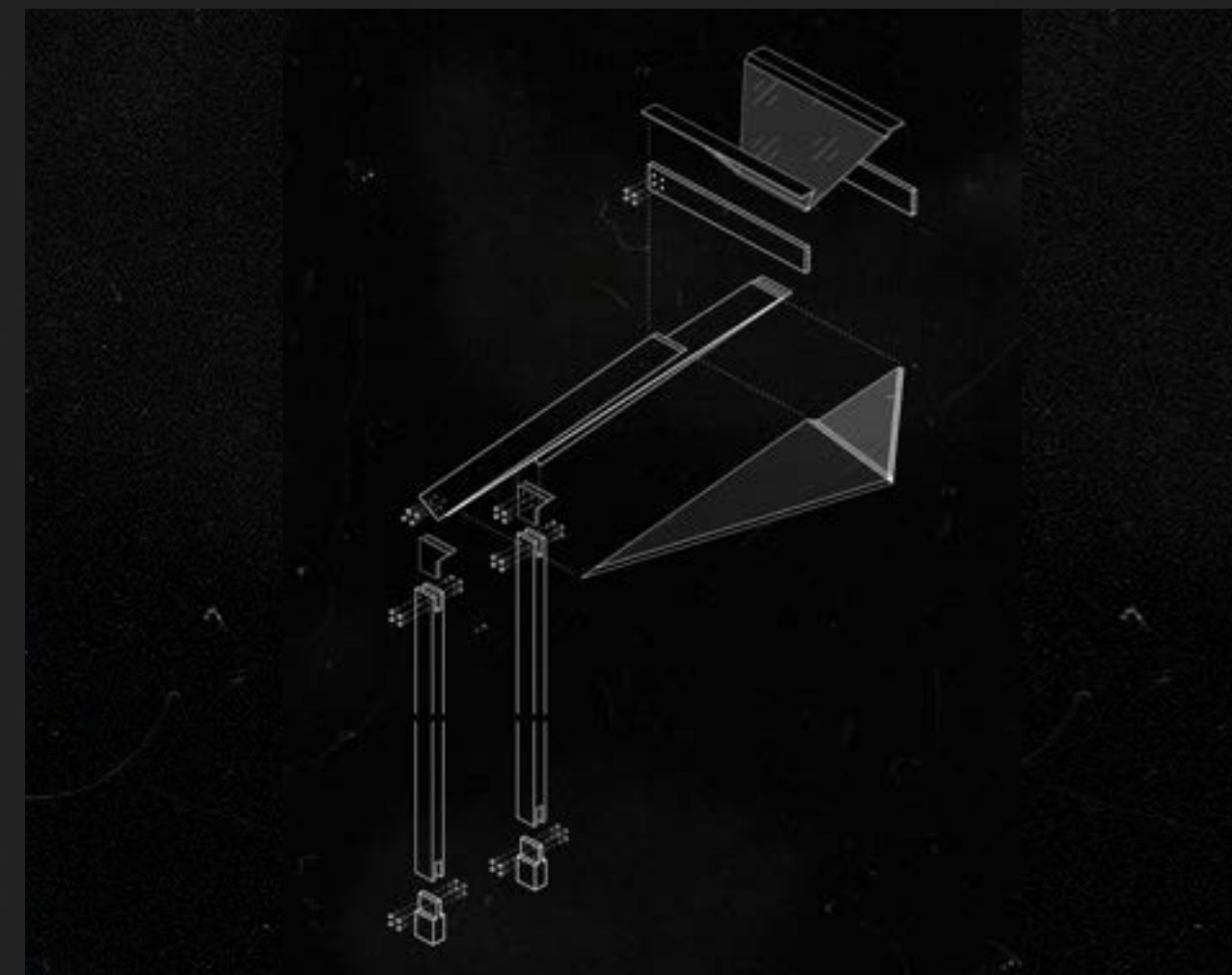
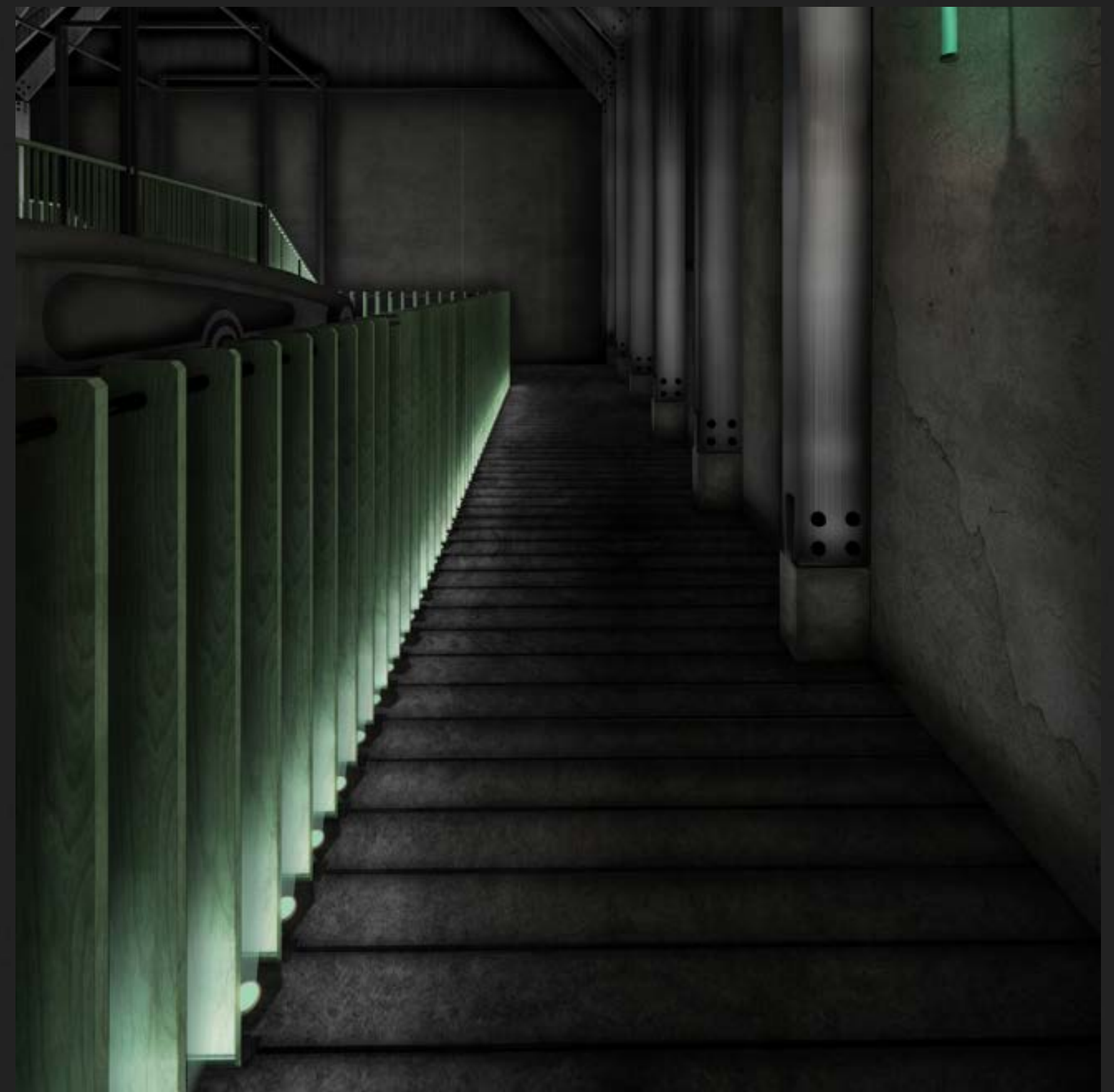
SECTION C

Key

- 01. Steam chamber ritual
- 02. Inhalation ritual
- 03. Origami modifoed roof

Existing structure

Digital Smog



EXISTING MATERIALITY AND CONDITIONS

Maintaining the condition and materiality of the walls rooting the new design in the authenticity and memory of the existing structure.

DESIGN LANGUAGE

The design breaks down architectural elements like the floors, handrails, and the roof, into modular components that when multiplied form the complete structure. This fragmented approach symbolises how small, incremental changes build toward transformation reflecting the project's core concept, that revolution begins through repeated steps.