

ASKEL GROHEN



'ASKEL GOHEN' TRANSLATED MEANS 'LEATHER WINGS' A CORNISH TERM COINED TO ENCOMPASS ALL SPECIES OF BAT.

'ASKEL GROHEN' IS AN EXPLORATION INTO INTERSPECIES ARCHITECTURE AND THE CREATIVE RE-USE OF THE PRINCE OF WALES, PHEONIX UNITED MINE LOCATED IN MINIONS CORNWALL. THE AIM IS TO HOLD BATS TO EQUAL IMPORTANCE, SOMETIMES VIEWED AS PESTS, BATS HAVE A CRUCIAL ROLE AS BIO DIVERSITY INDICATORS WITHIN OUR ECO SYSTEM, THAT DESERVES TO BE CELEBRATED. LIKewise, THE ARCHITECTURAL SIGNIFICANCE WILL BE RESPECTED THROUGH USING INSERTION AS MY CHOSEN STRATEGY.

JOCE HWANG, ARCHITECT QUOTES 'ANIMALS ARE ALL AROUND US ; IT IS A 'DEFAULT CONDITION' BATS SERVICE THE MOOR 24HR OF THE DAY WHEREAS HUMAN VISITS CAN BE BRIEF AND IMPERMANENT, THERE ARE SITES LIKE THIS ENGINE HOUSE ALL OVER CORNWALL, STAGNANT AND WITHOUT HUMAN PURPOSE, WITH THIS, OPPORTUNITY IS CREATED FOR NATURE TO RECLAIM ITS NARRATIVE. 'ASKEL GROHEN' HARNESSSES THIS NARRATIVE CREATING A MEETING SPACE BETWEEN THE SKY AND GROUND THROUGH CREATING A FEELING OF COHABITATION BETWEEN HUMANS AND BATS. RESPECTING THE ECOLOGIES PRESENT AT THE SITE WAS ELEMENTAL TO MY STRATEGY AS IT ALLOWED FOR THE ORIGINAL BUILDING'S ENVELOPE TO BE REINTERPRETED WITH NATURE AT THE FOREFRONT OF THE NARRATIVE.

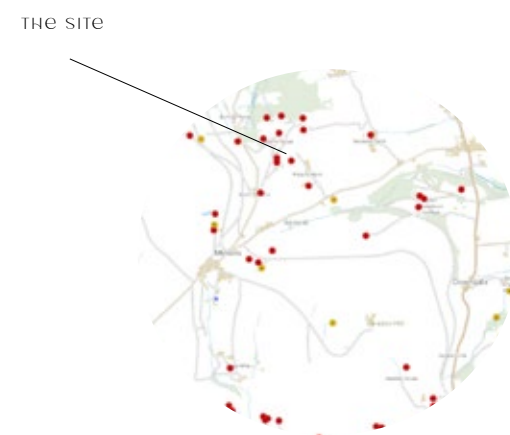
SITE LOCATION



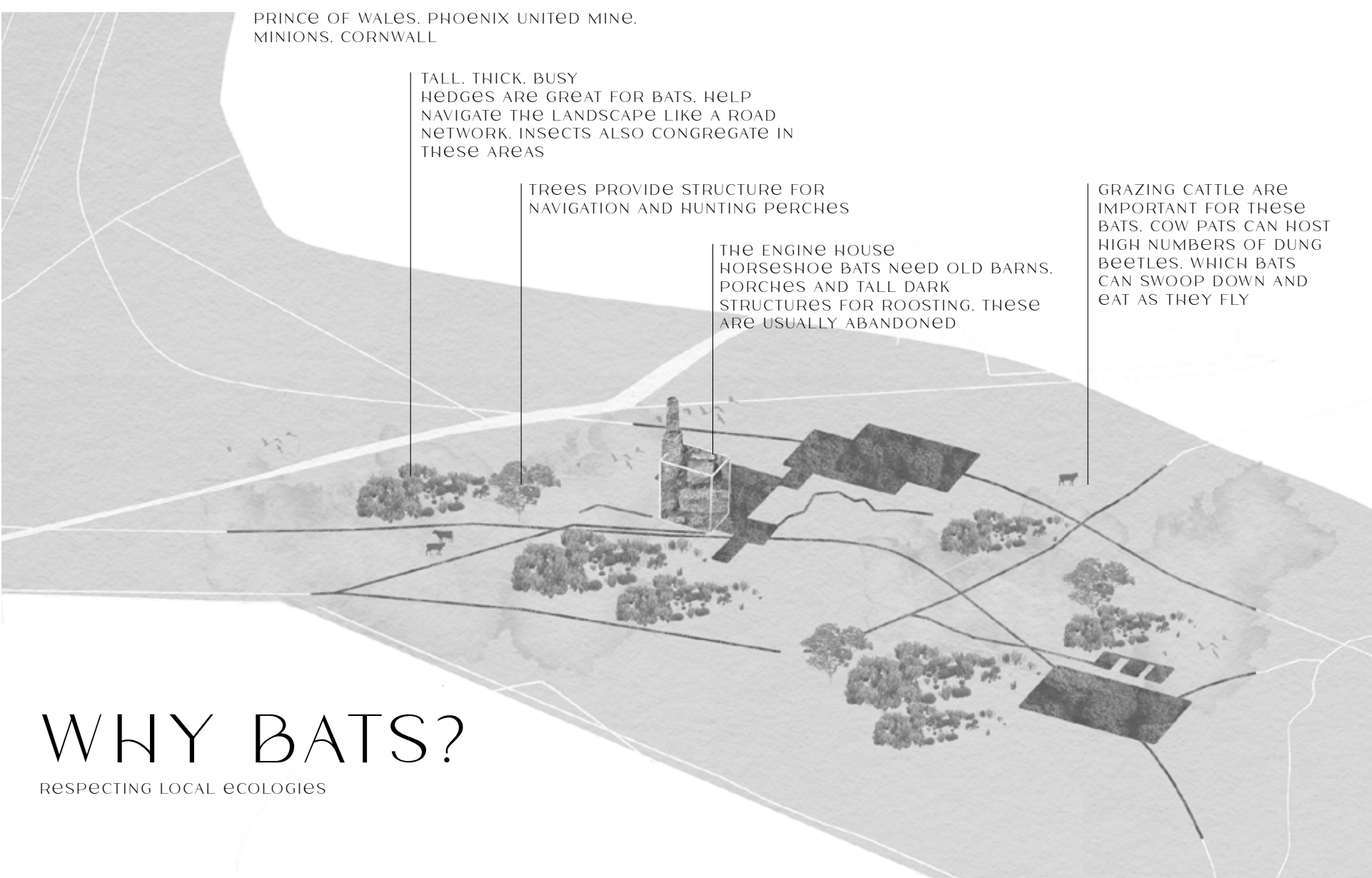
CONSERVATION AREAS



WORLD HERITAGE SITE AREAS



ENGINE HOUSES AND MINES IN THE AREA



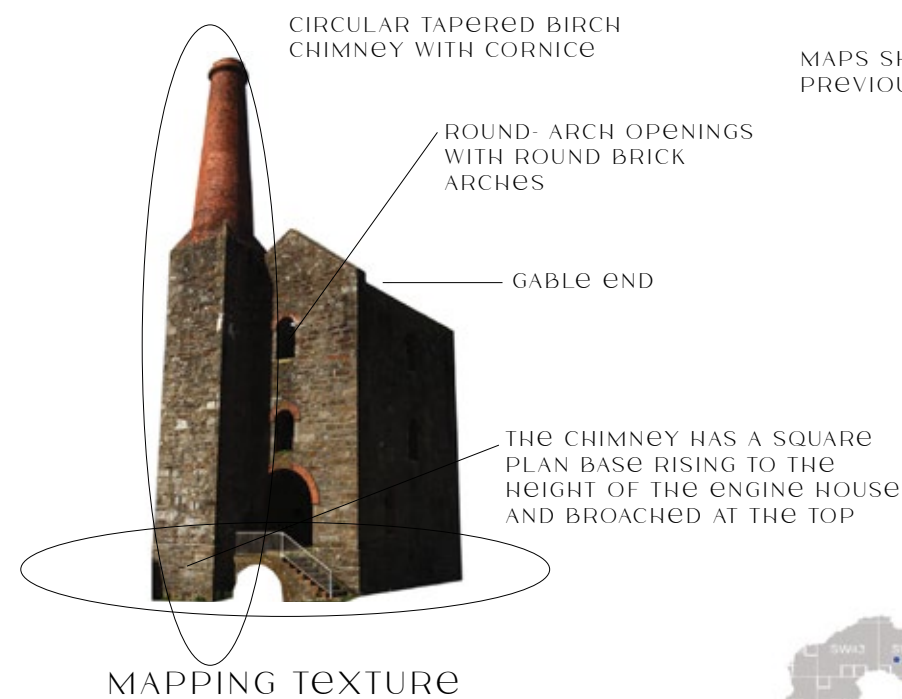
WHY BATS?

RESPECTING LOCAL ECOLOGIES



GRADE II LISTING

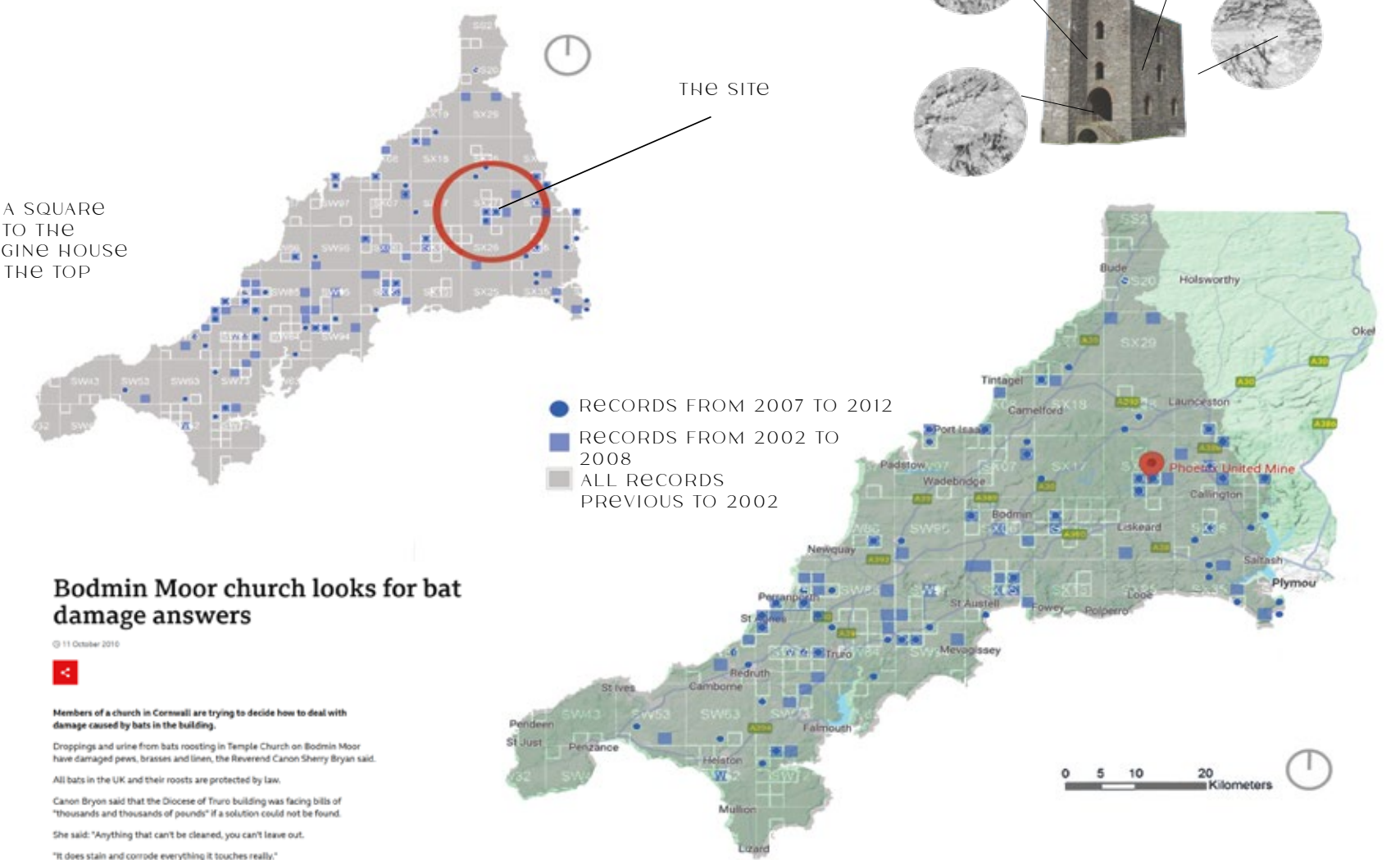
RESPECTING ARCHITECTURAL SIGNIFICANCE



MAPPING TEXTURE

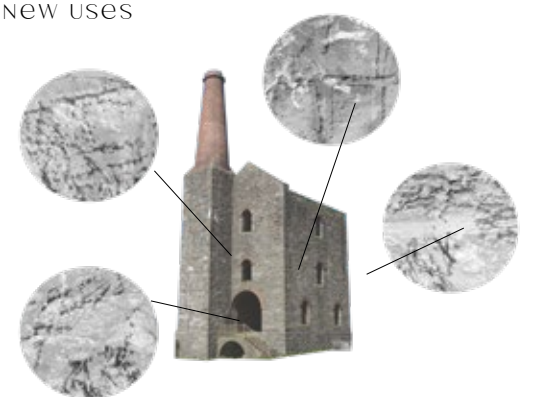
GREATER HORSESHOE BATS IN CORNWALL

MAPS SHOW RECORDS OF GREATER HORSESHOE BATS AT THE SITE PREVIOUS TO 2002 SHOWING THEIR SENSE OF OWNERSHIP



MAPPING TEXTURE THROUGH RUBBINGS

REINTERPRETATION OF ORIGINAL MOTIFS FOR NEW USES



Bodmin Moor church looks for bat damage answers

© 11 October 2016

Members of a church in Cornwall are trying to decide how to deal with damage caused by bats in the building.

Droppings and urine from bats roosting in Temple Church on Bodmin Moor have damaged pews, brasses and linen, the Reverend Canon Sherry Bryan said.

All bats in the UK and their roosts are protected by law.

Canon Bryan said that the Diocese of Truro building was facing bills of "thousands and thousands of pounds" if a solution could not be found.

She said: "Anything that can't be cleaned, you can't leave out.

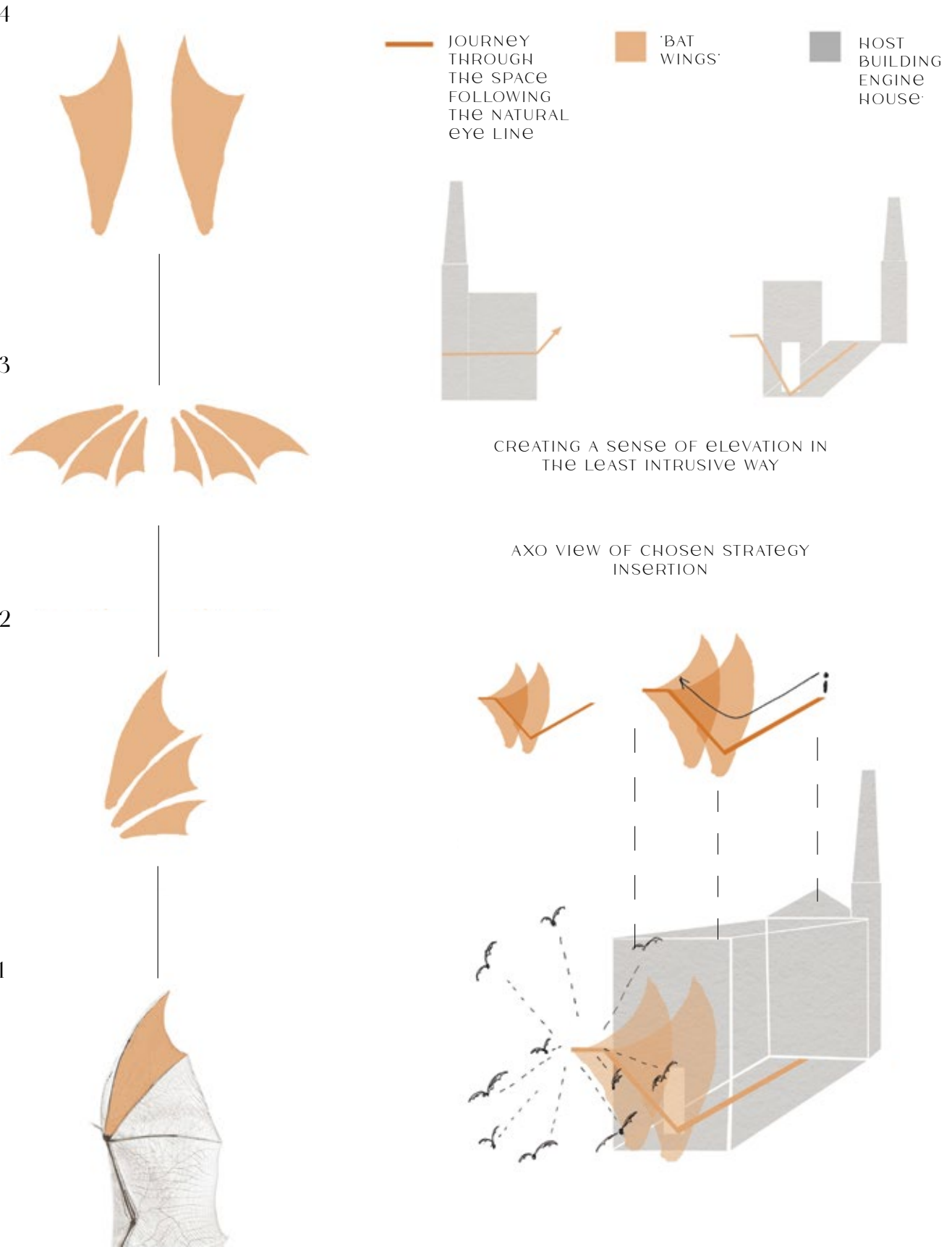
"It does stain and corrode everything it touches really."

DEVELOPMENT



CONCEPT MONTAGE

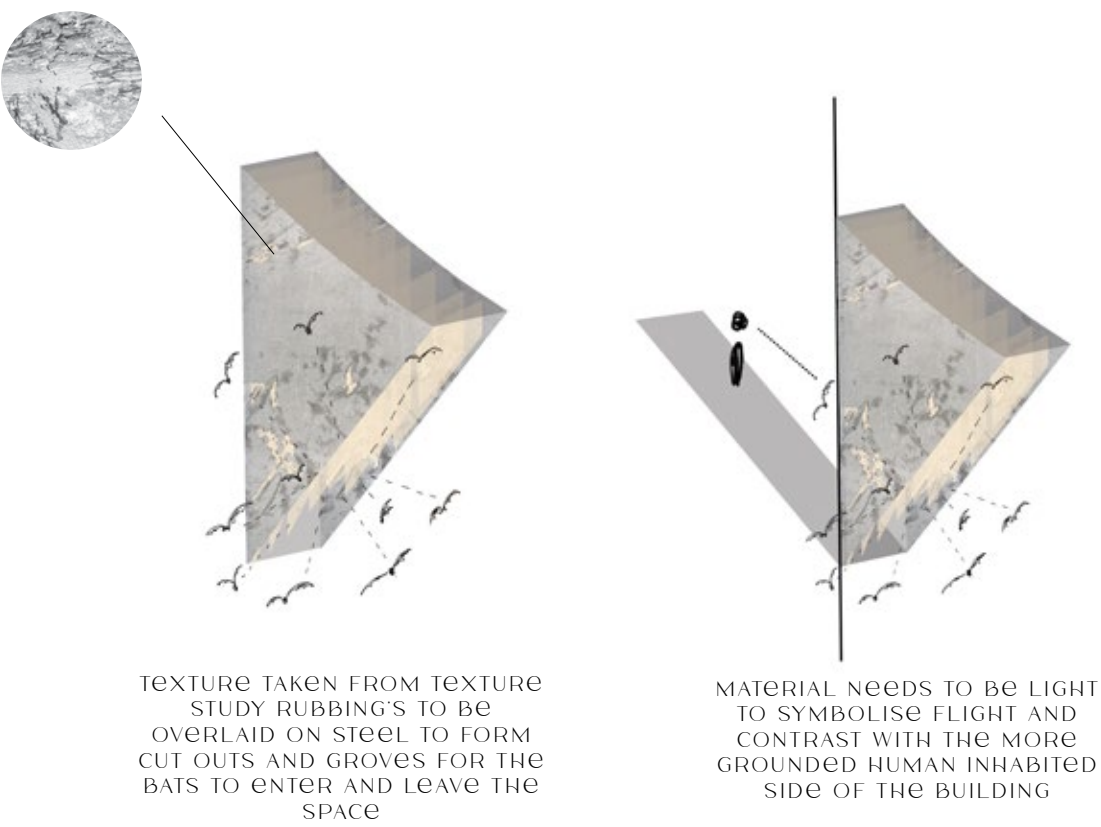
STRATEGY



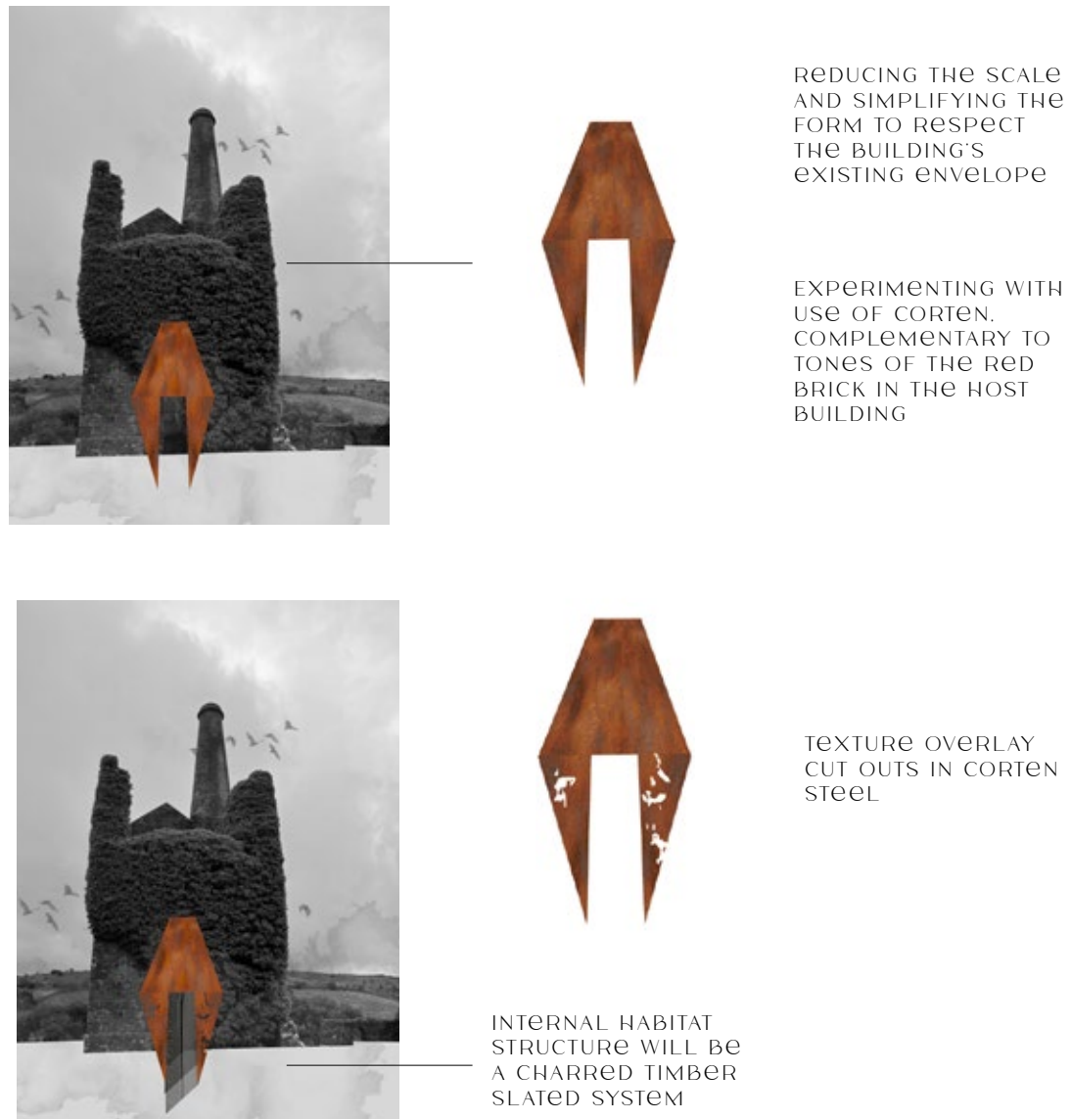
INITIAL CONCEPT OF A VIEWING PLATFORM



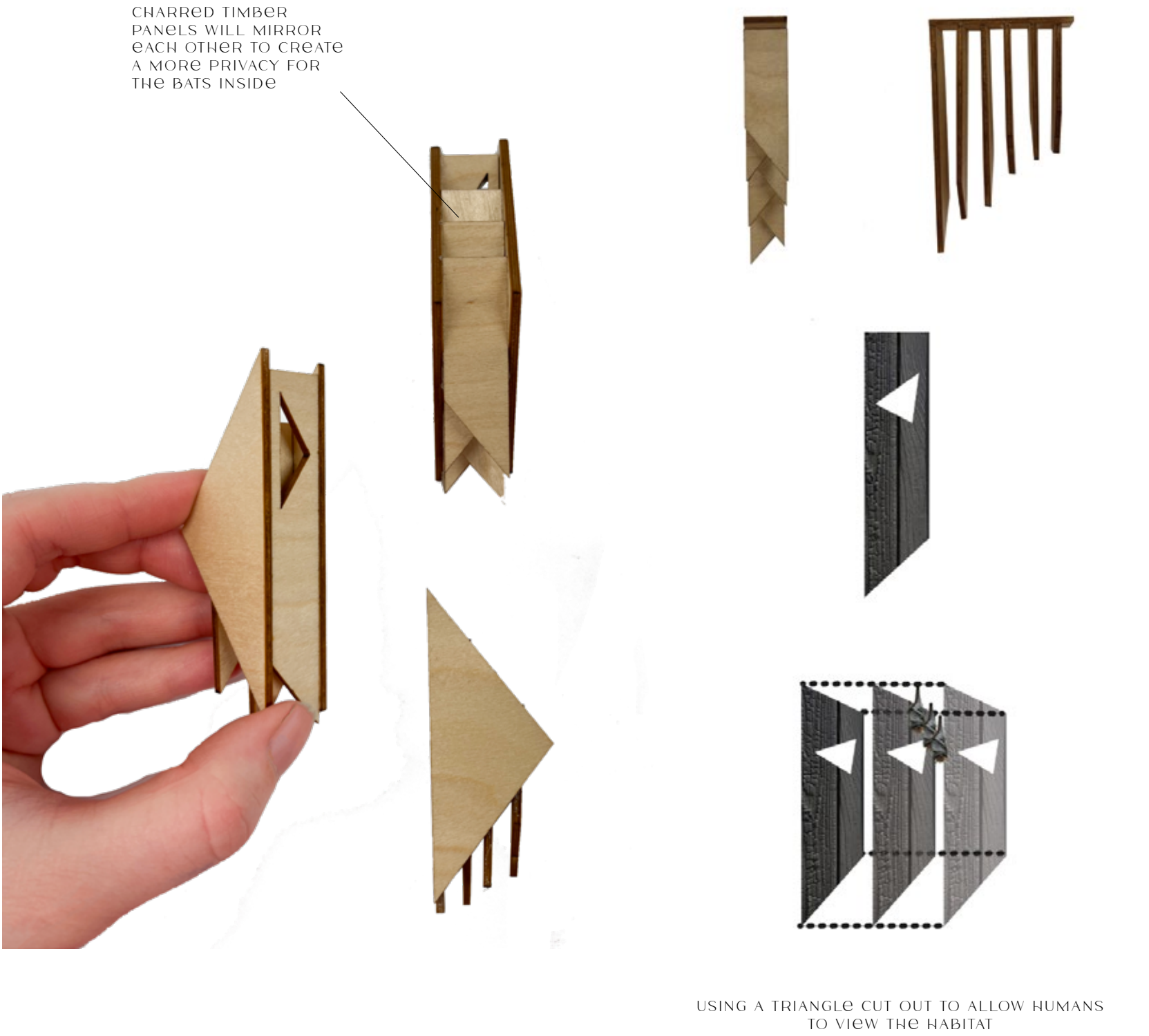
WHAT IF THE INSERTION WAS JUST BUILT FOR BATS?



DEVELOPMENT OF FORM



DEVELOPMENT OF INTERNAL HABITAT

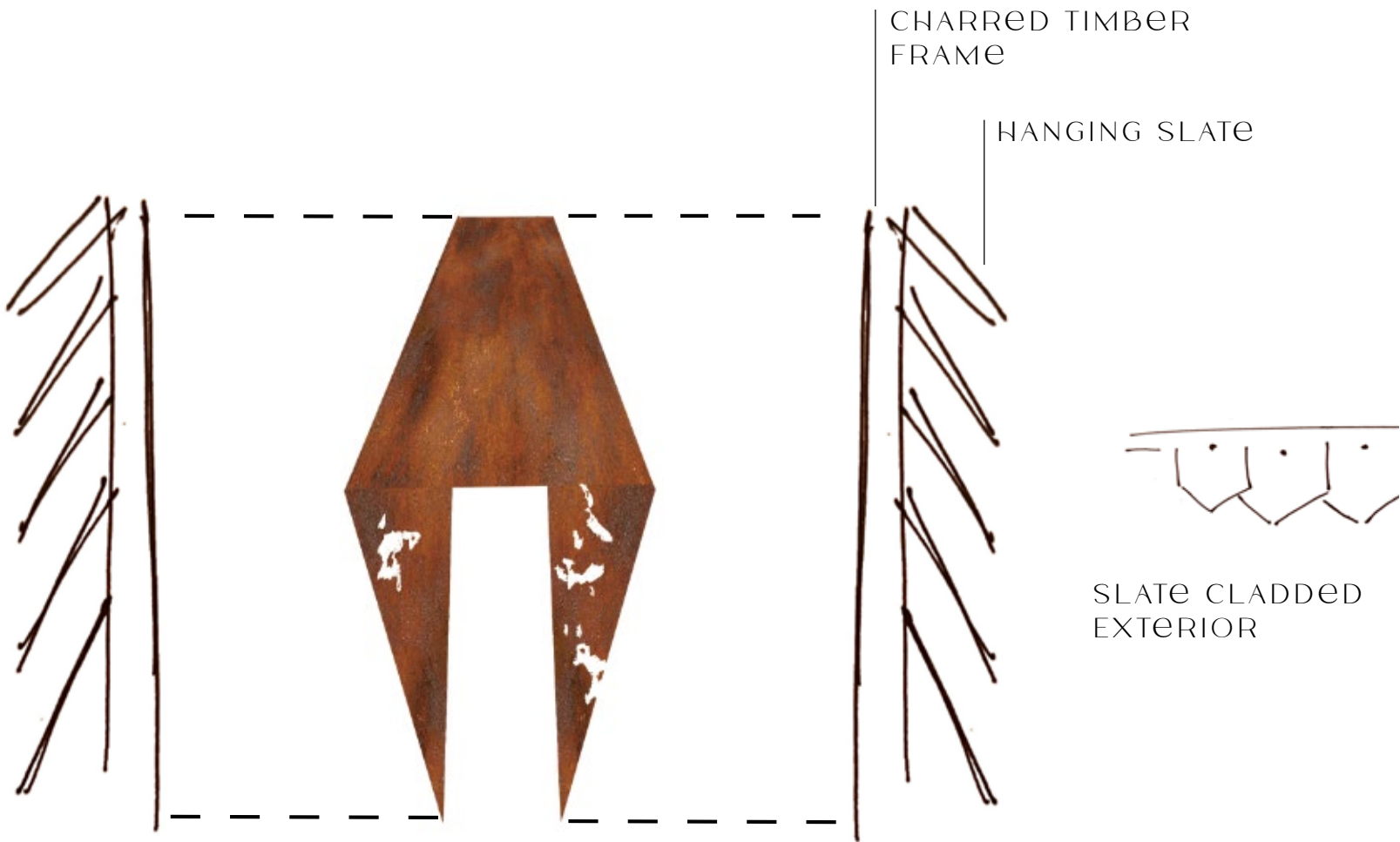


HOW CAN THE INSERTION LOOK MORE EXTERNALLY HABITABLE TO THE BATS?

HORSESHOE BATS NEED OLD BARN. PORCHES AND TALL DARK STRUCTURES FOR ROOSTING. THESE ARE USUALLY ABANDONED

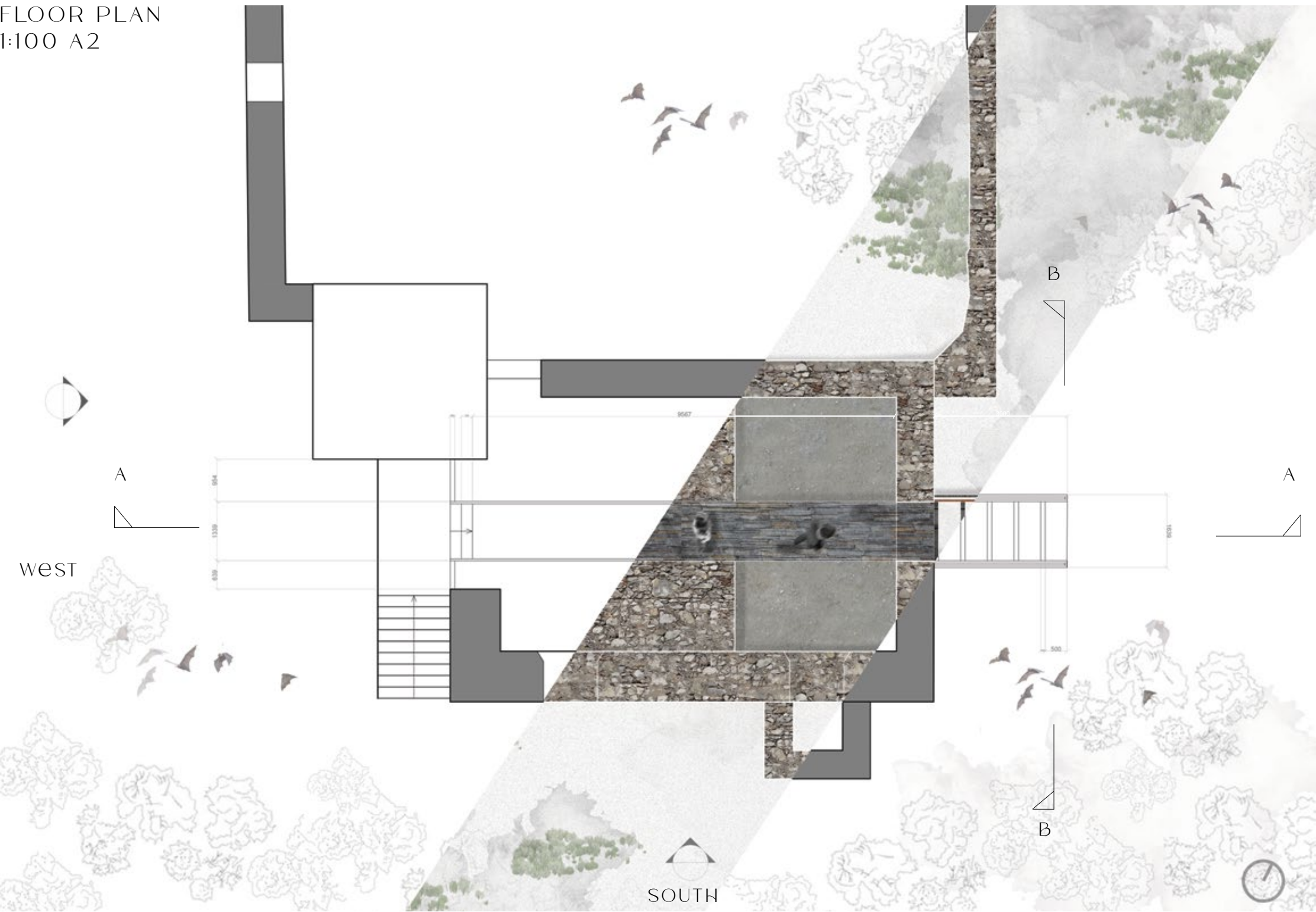
HOW CAN THE INSERTION REPLICATE THIS THROUGH MATERIALITY?

I WANT TO MIMIC THE MAKE-UP OF A ROOF TO ATTRACT BATS TO THE SITE BY USING SLATE AND BY LEAVING GAPS IN THE STEEL. I WANT THE BATS TO NAVIGATE THE SPACE LIKE THEY WOULD AN ABANDONED BARN OR BUILDING



SAFETY — WARMTH — ACCESSIBILITY

FLOOR PLAN
1:100 A2



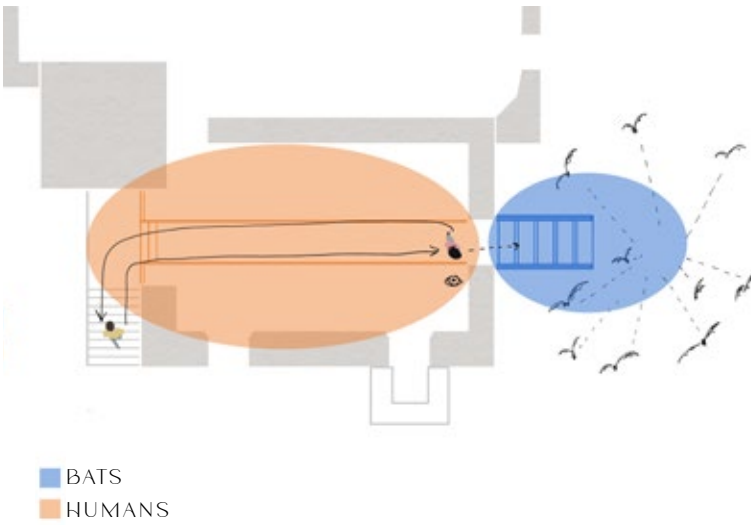
VIEW OF WALKWAY TOWARDS
ENTRANCE



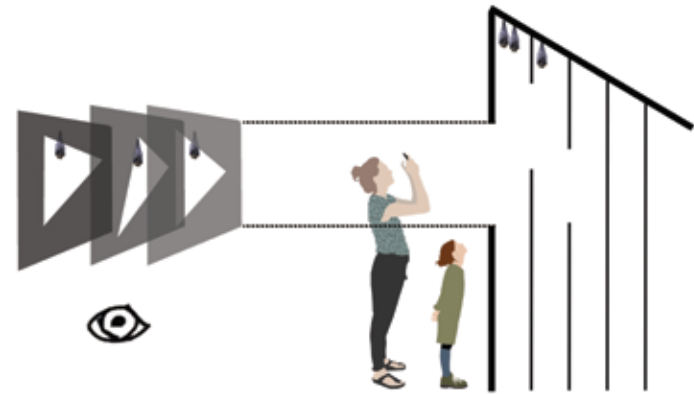
VIEW OF WALKWAY
TOWARDS
BAT HABITAT

DIAGRAMMING

ZONING (NOT TO SCALE)



VIEW OF THE BAT HABITAT FROM
THE WALKWAY

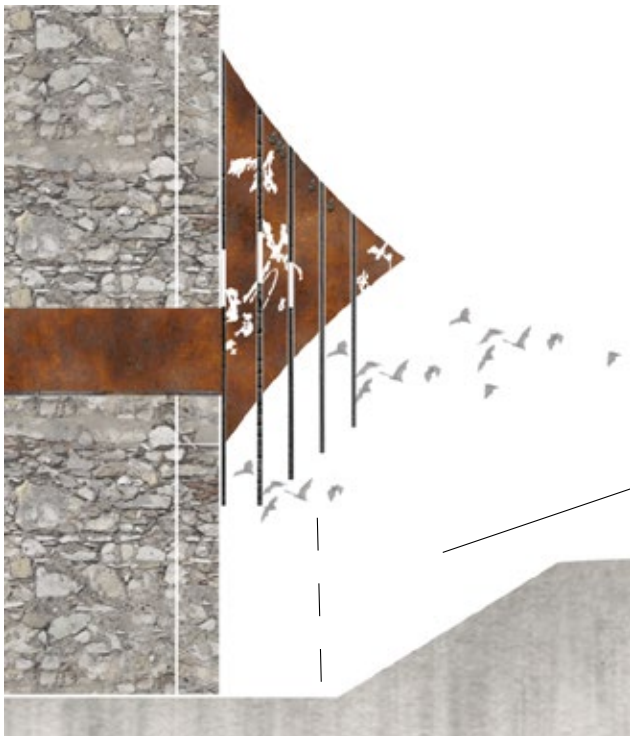


BAT'S ECOLOGICAL SERVICE TO
THE SITE

INSECT CONTROL

SEED DISPERSAL

POLLINATION



FERTILISER PRODUCTION
USE OF GUANO

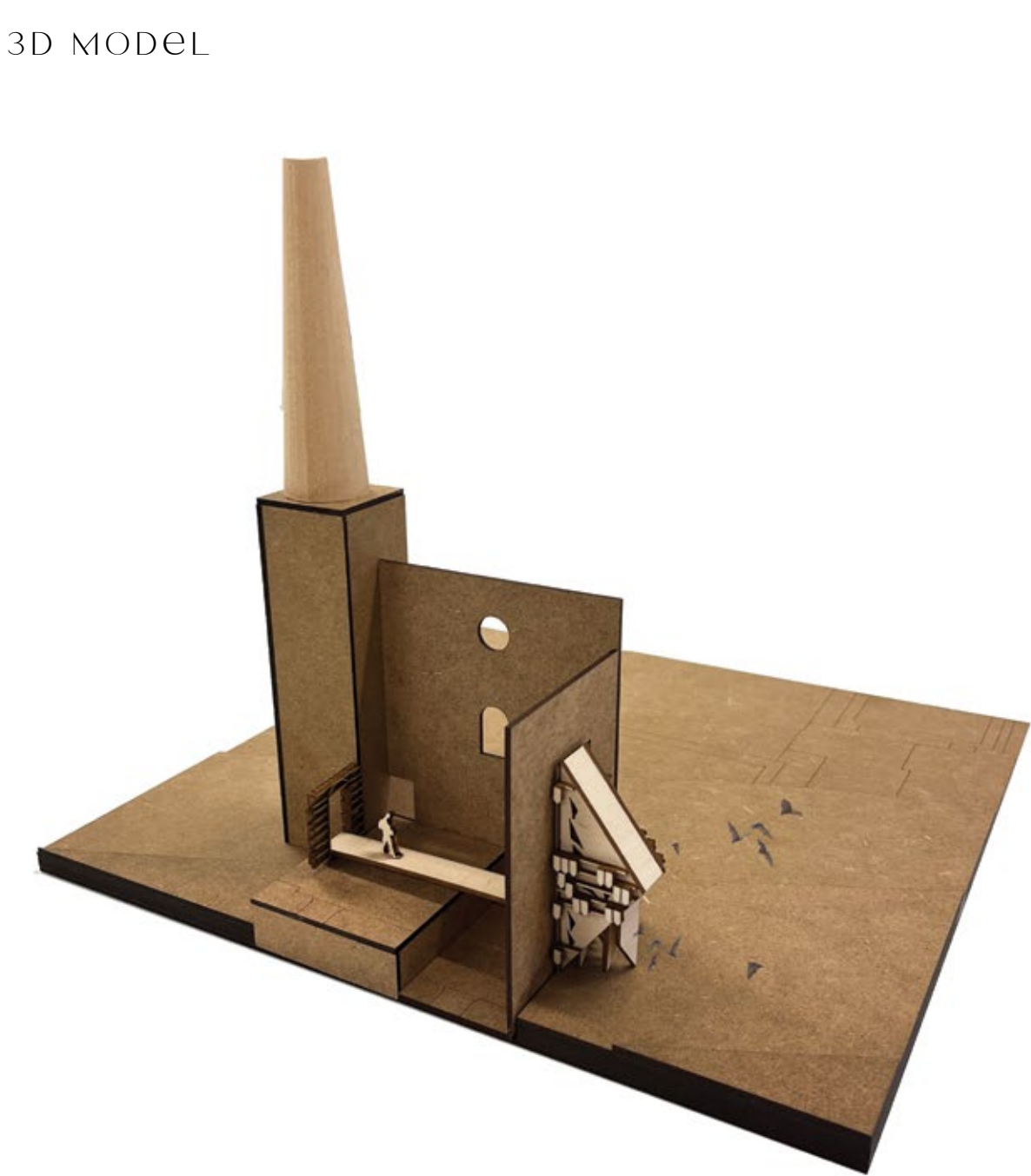
BACK TO THE
EARTH

SECTION BB
1:200 A2

SOUTH ELEVATION
1:200 A2



3D MODEL



SLATE CLADDED ENTRANCE



BAT HABITAT INSERTION



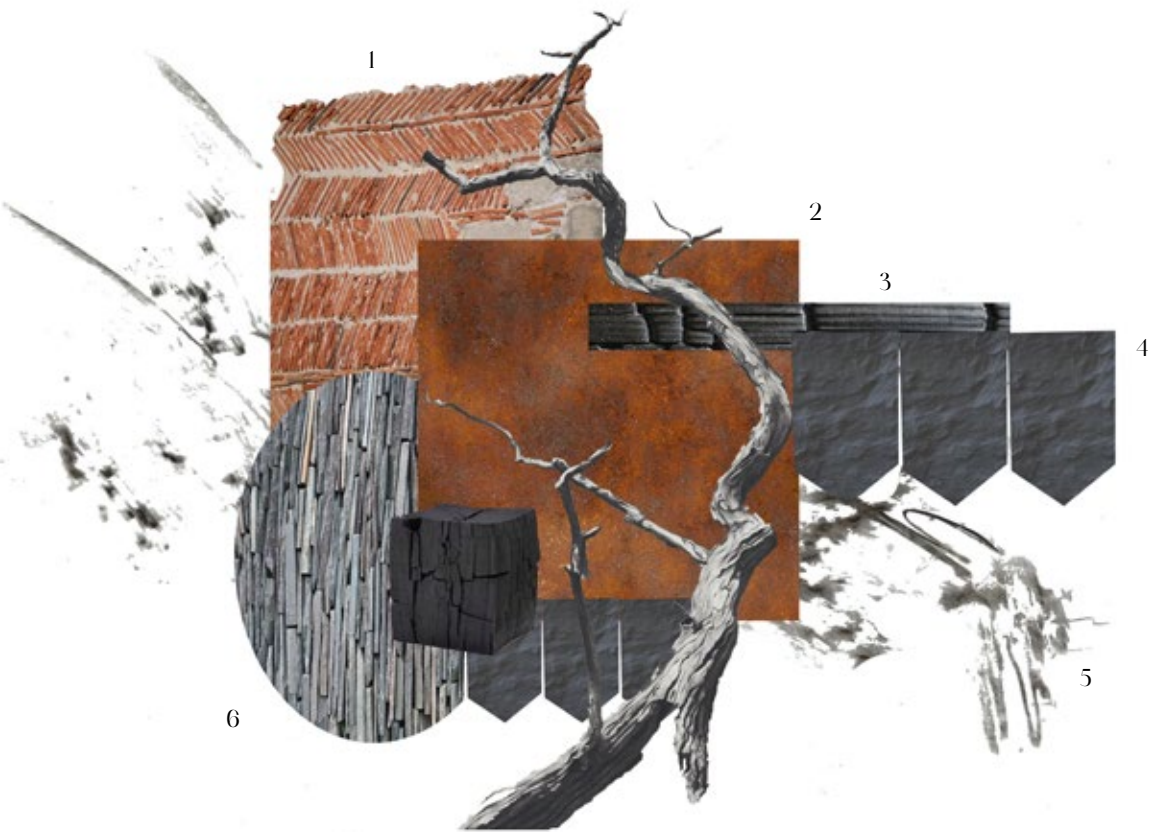
NORTH VIEW



RENDERED SECTION AA 1:100 A2



MATERIALITY



1. SLATED BRICK WALKWAY. TO BE MIXED WITH SLATE. THE BRICKS REPRESENT WHAT IS MAN MADE. THEY ARE HEAVY AND GROUNDED IN THE EXISTING BUILDING.

2. CORTEN STEEL. TO HAVE TEXTURAL CUT-OUTS RUBBING'S. CORTEN WILL MAKE UP THE 'WINGS' OF THE BAT INSERTION. IT IS LIGHT UNLIKE THE BRICK AND REPRESENTS FLIGHT. CORTEN CONTRASTS WELL WITH THE BUILDING.

3. CHARRED TIMBER. WILL BE USED TO MAKE UP THE INTERNAL HABITAT FOR THE BATS. IT KEEPS THE HABITAT LOW CONTRAST AND ALLOWS FOR EASY TO GRIP SURFACES.

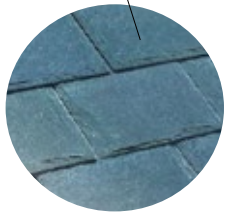
5. ORIGINAL TEXTURE RUBBING FROM THE SIGHT. TAKEN FROM THE EXTERIOR OF THE ENGINE HOUSE.

6. SLATE WALKWAY. TO BE MIXED WITH BRICK ON THE VIEWING WALKWAY. BRINGING PART OF THE BAT HABITAT INTO THE HUMAN

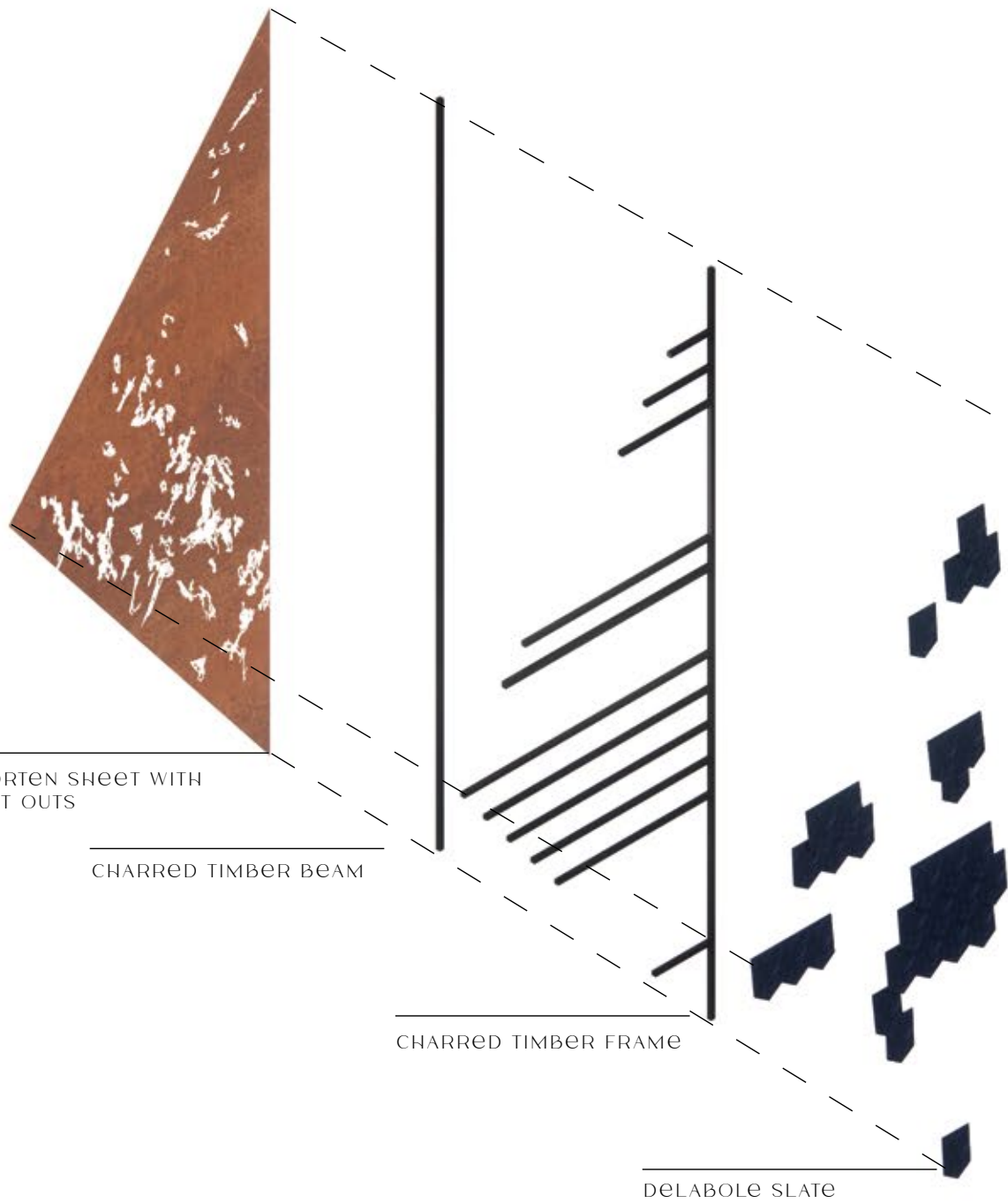
WEST ELEVATION 1:200 A2



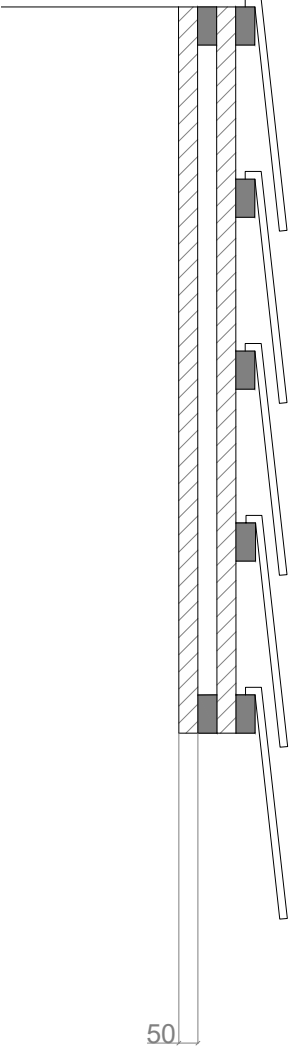
TAKEN LESS THAN 1 HOUR AWAY FROM THE SITE FROM THE DELABOLE QUARRY



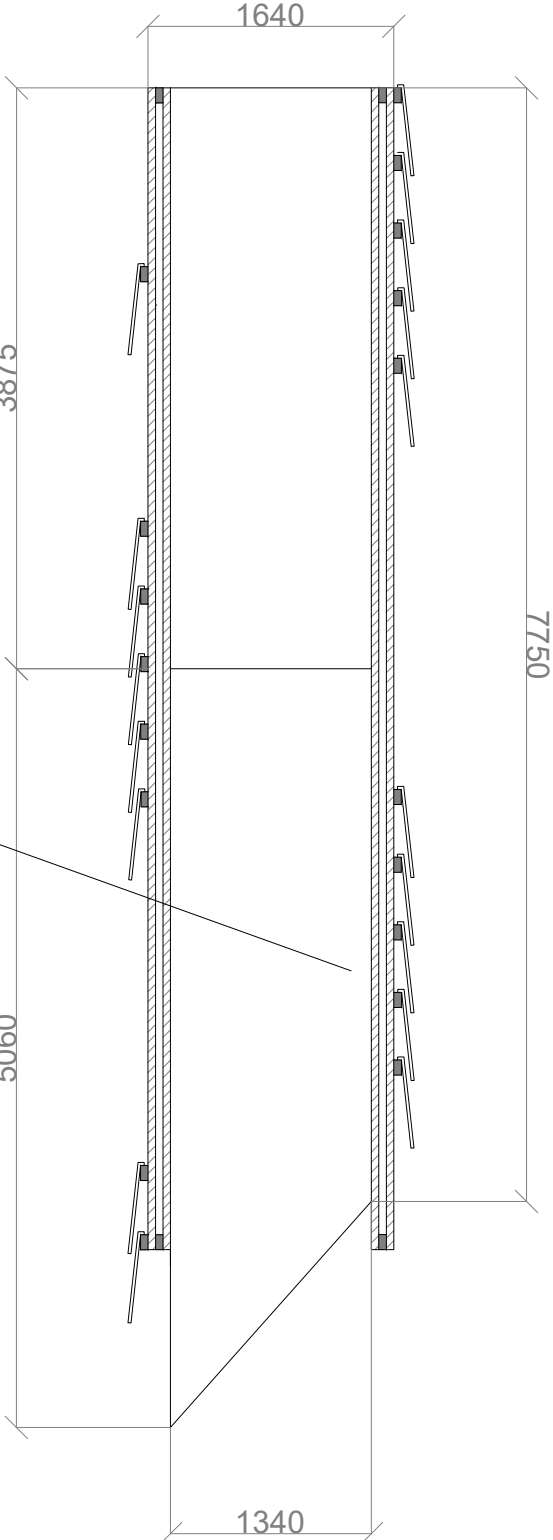
BAT INSERTION DETAIL



HANGING SLATE DETAIL 1:20 A2



BAT INSERTION SOUTH ELEVATION 1:50 A2



HANGING SLATE ENTRANCE

