

ARCHITECTURE FOR A MODERN DAY GUILD

*A place where sustainable innovation is reinforced by combining state of the art knowledge
and craftsmanship, in reference to past building techniques and developments*

SARAH HERMSEN
T&A GRADUATION STUDIO 2024

GRONINGEN











THE GRONINGEN FARM AND SHEDS
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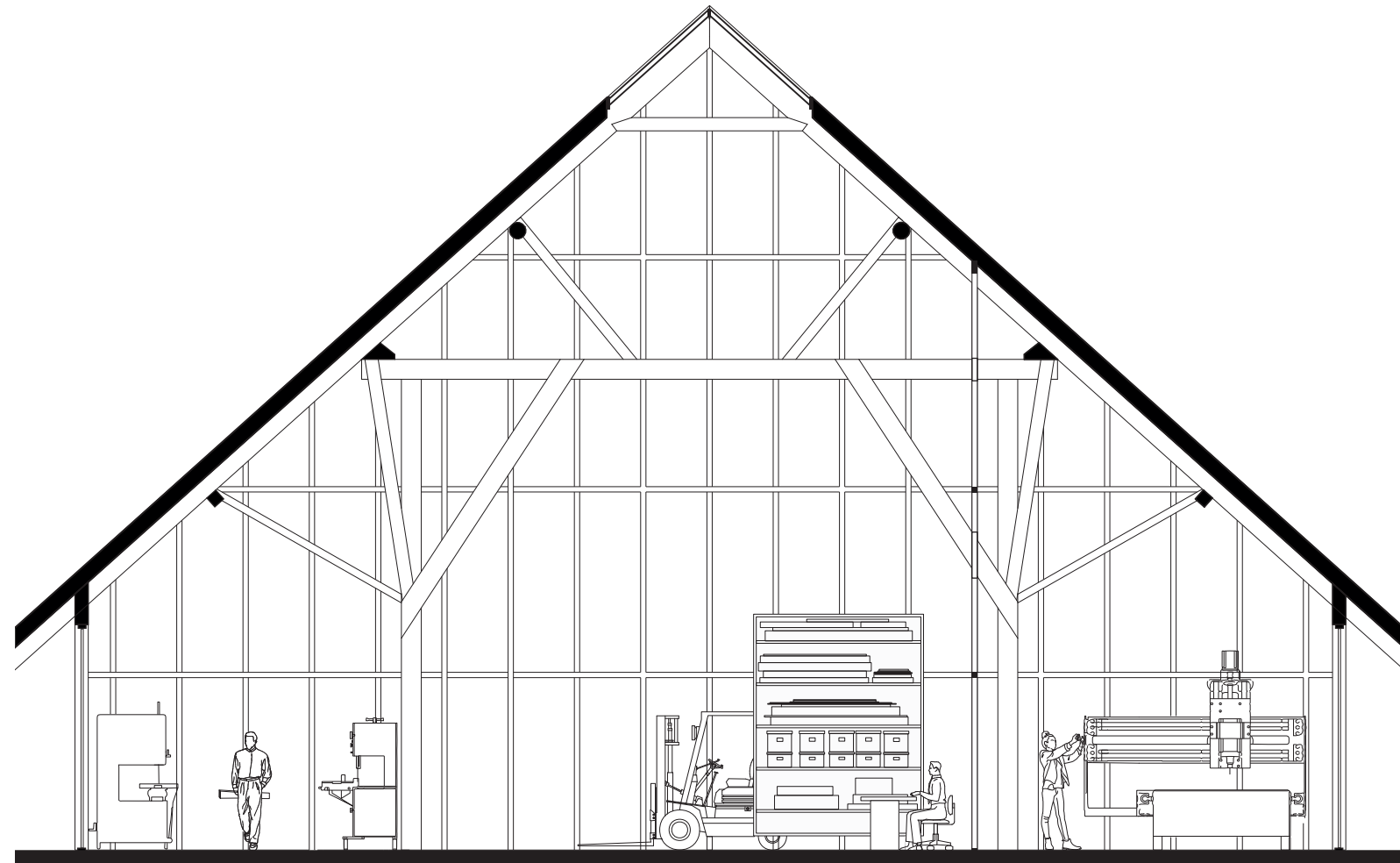
VALUED STRUCTURE AND BUILDING METHODS

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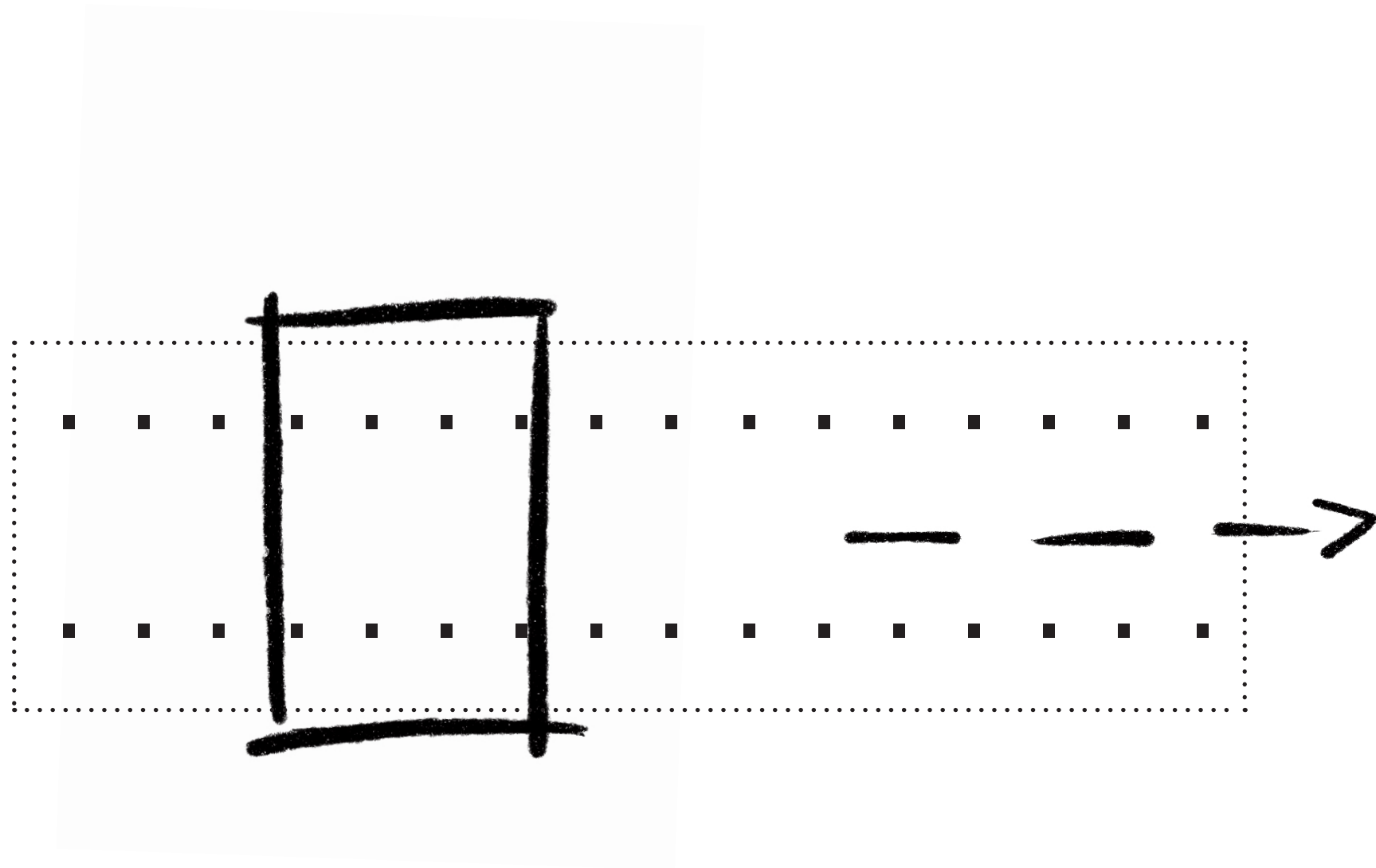
NEED FOR MODERN DAY CRAFTSMAN

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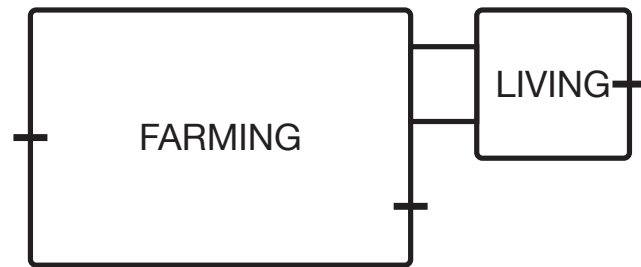


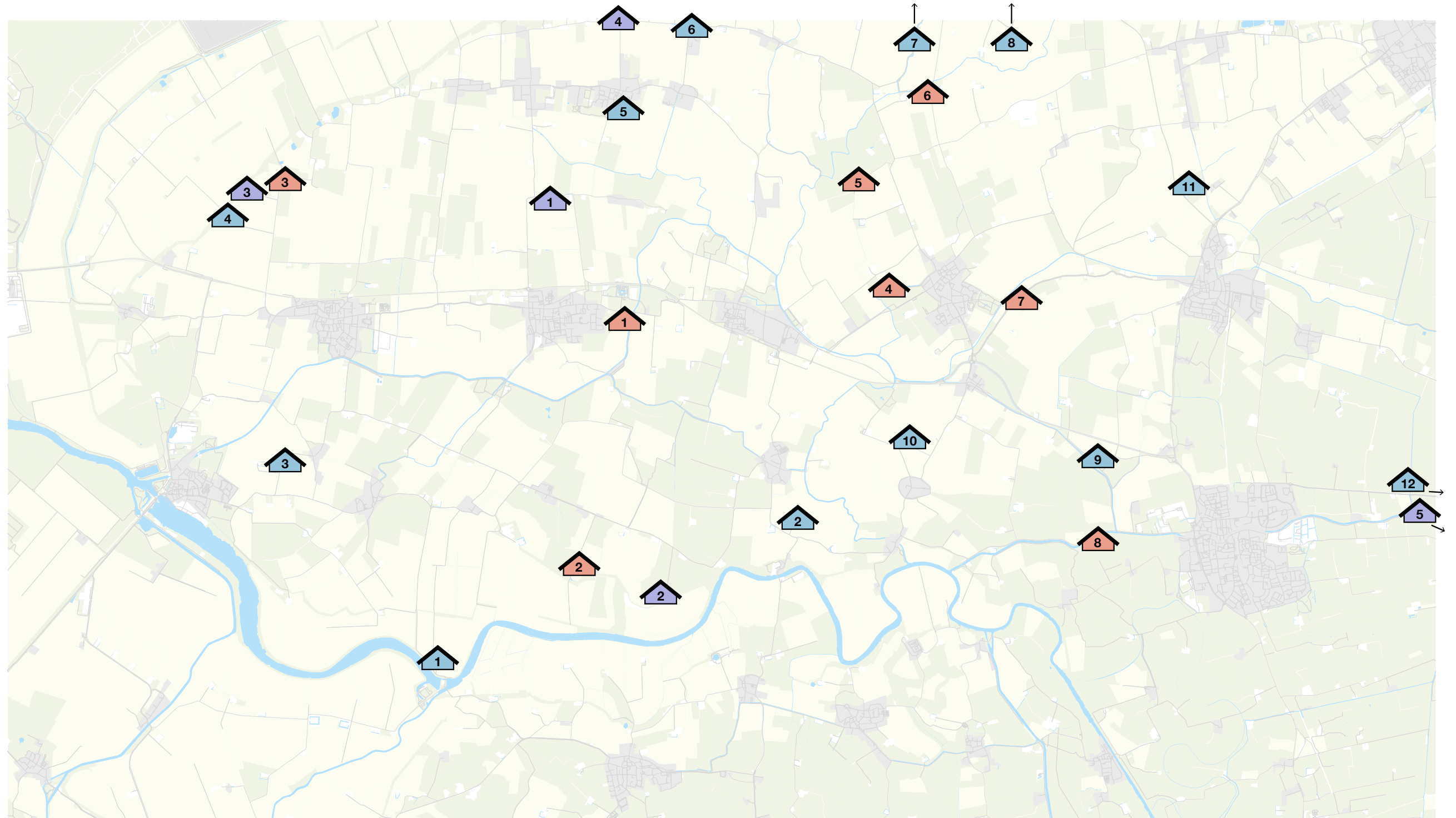
CONCEPT FOR DESIGN

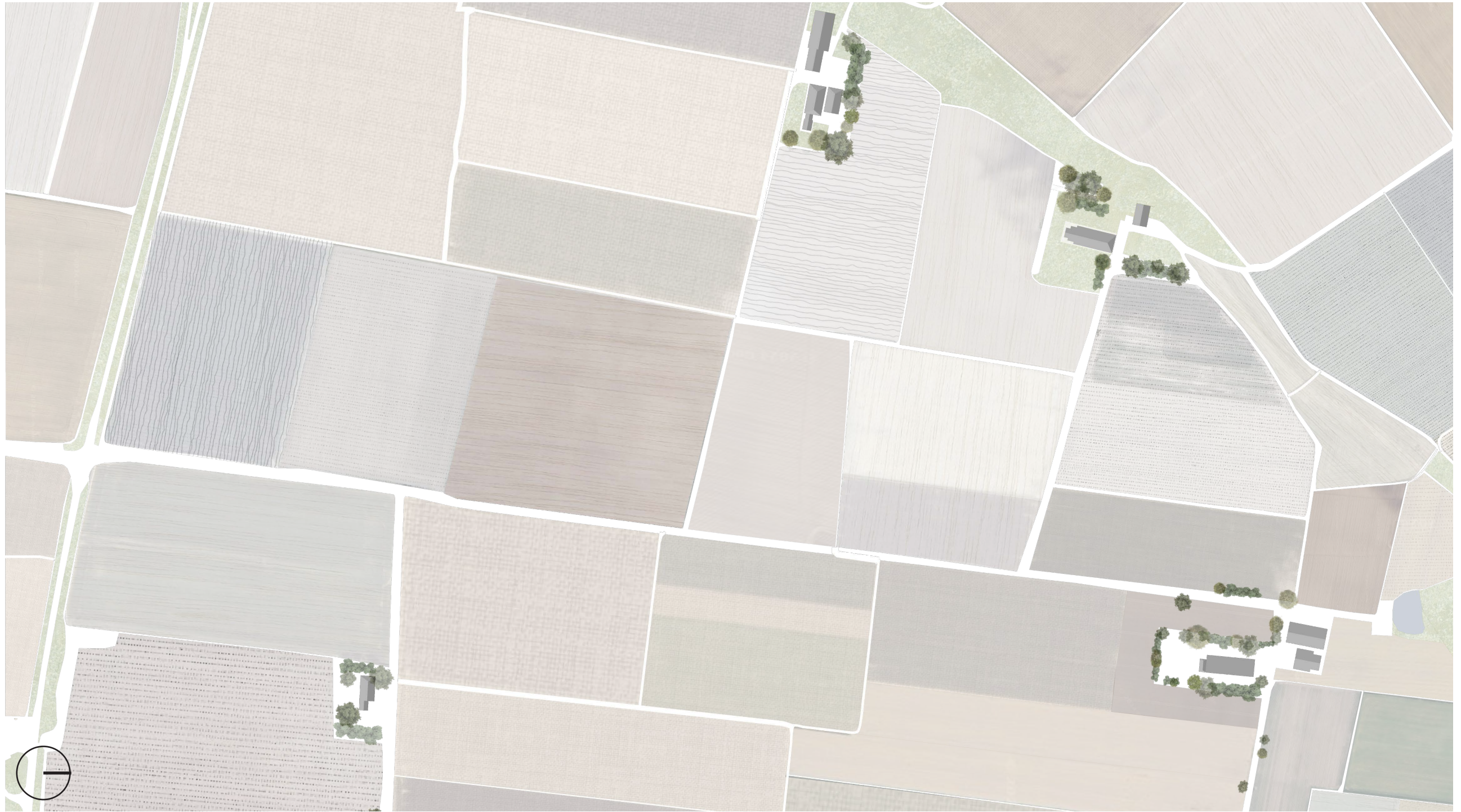
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RESEARCH PHASE







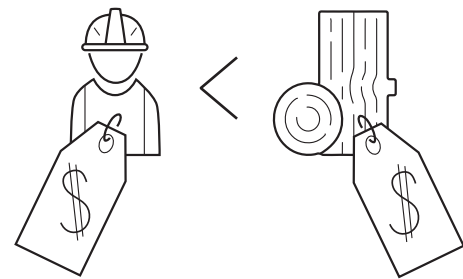
LOCATION OF SITE - CURRENT



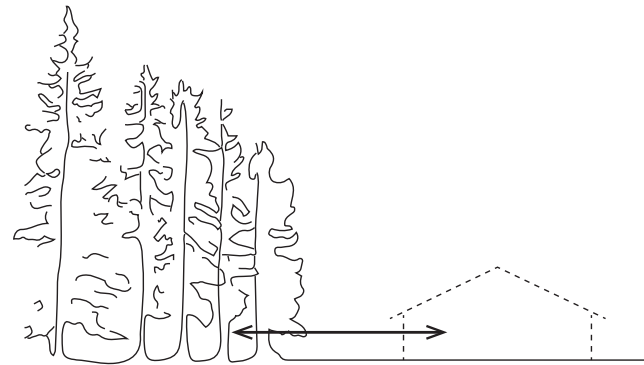
LOCATION OF SITE - NEW SITUATION



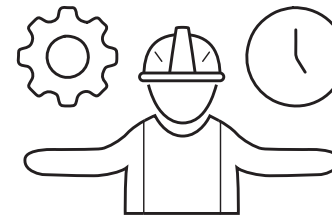
LOCATION OF SITE - NEW SITUATION



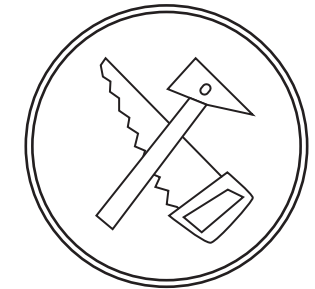
relative expenses



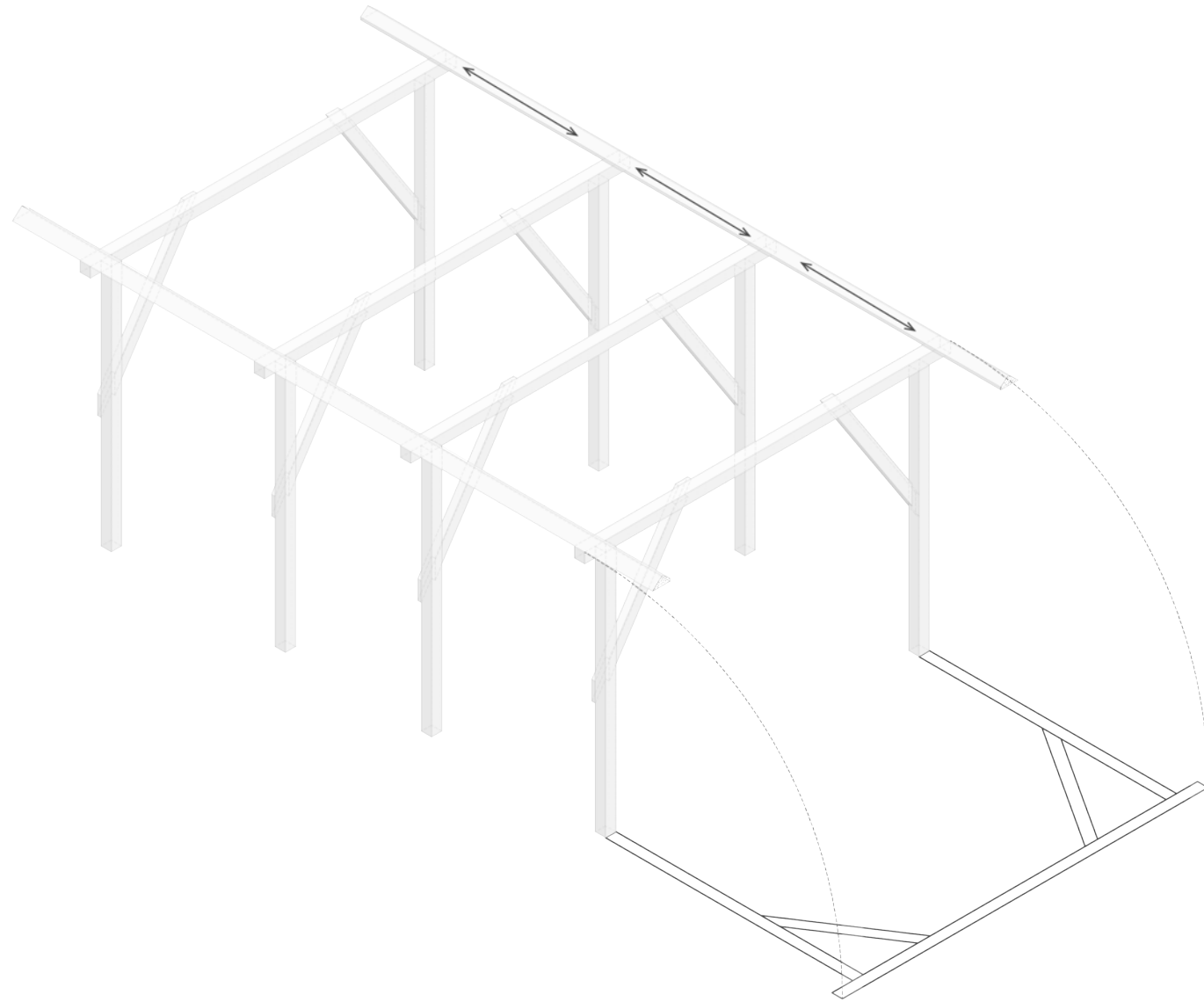
local resources



practicality



guilds



'DWARSGEBINT' METHOD
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TRADITIONAL CONSTRUCTION OF 'DE HAVER'

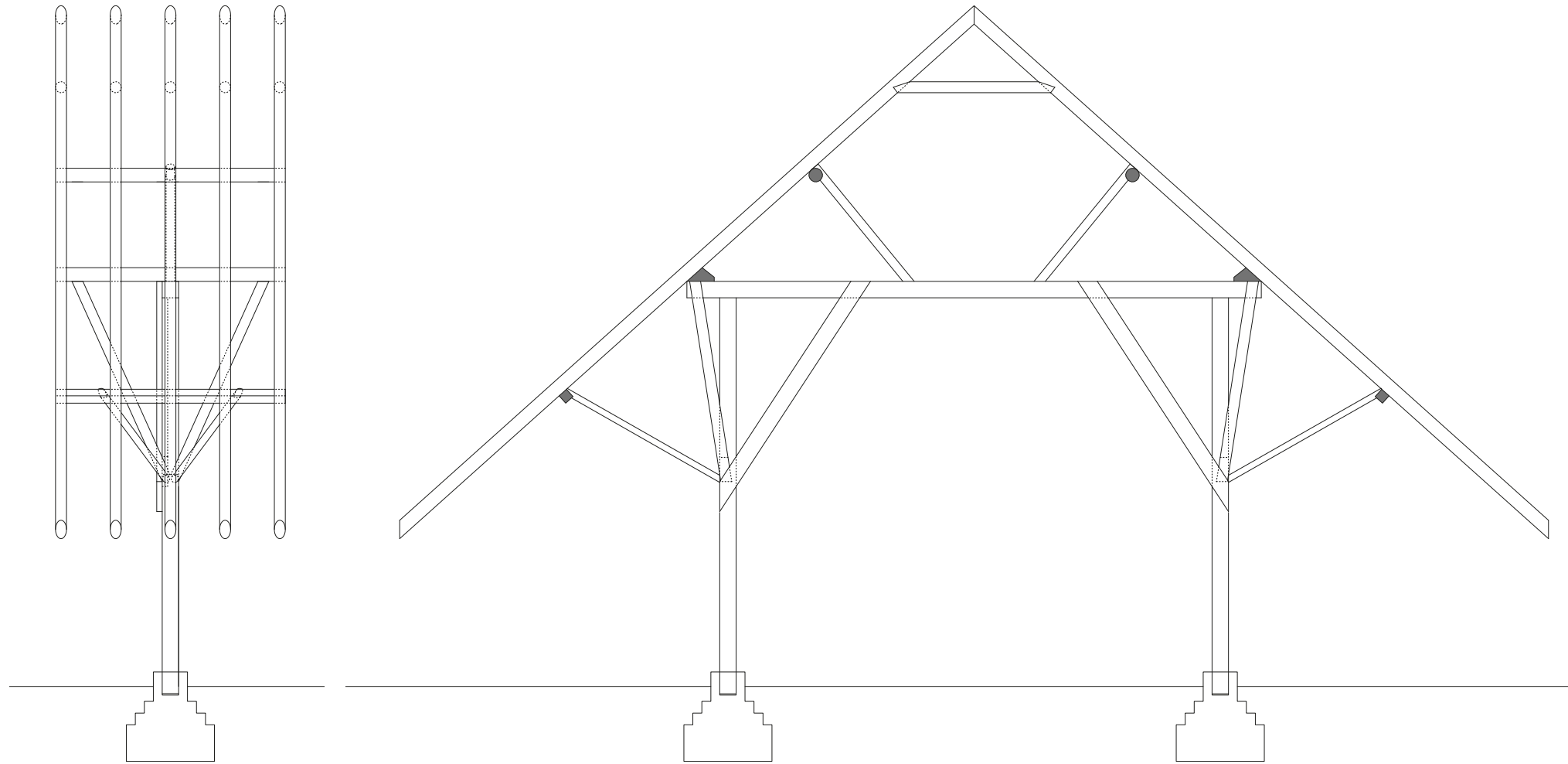


DE HAVER
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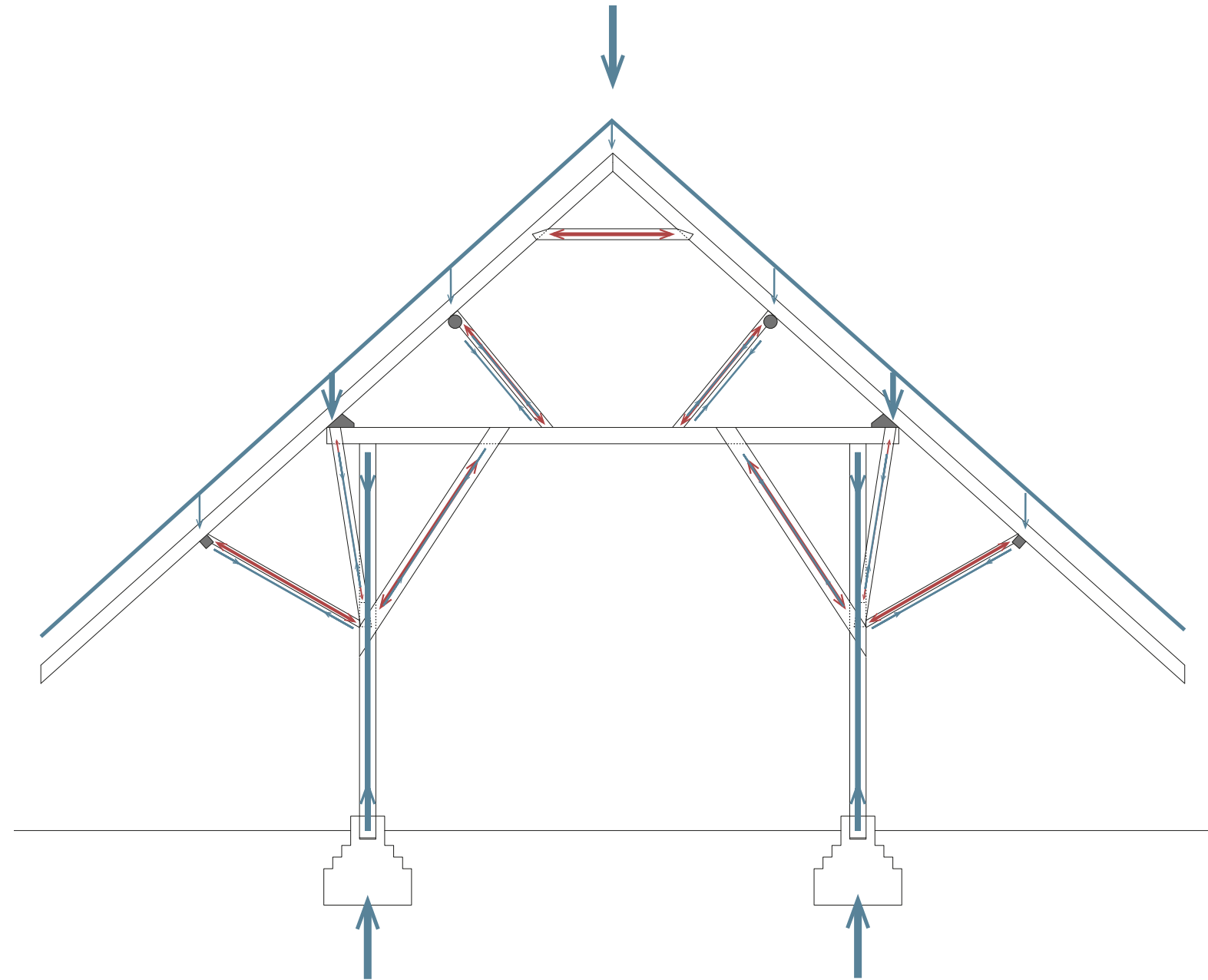
TRADITIONAL CONSTRUCTION

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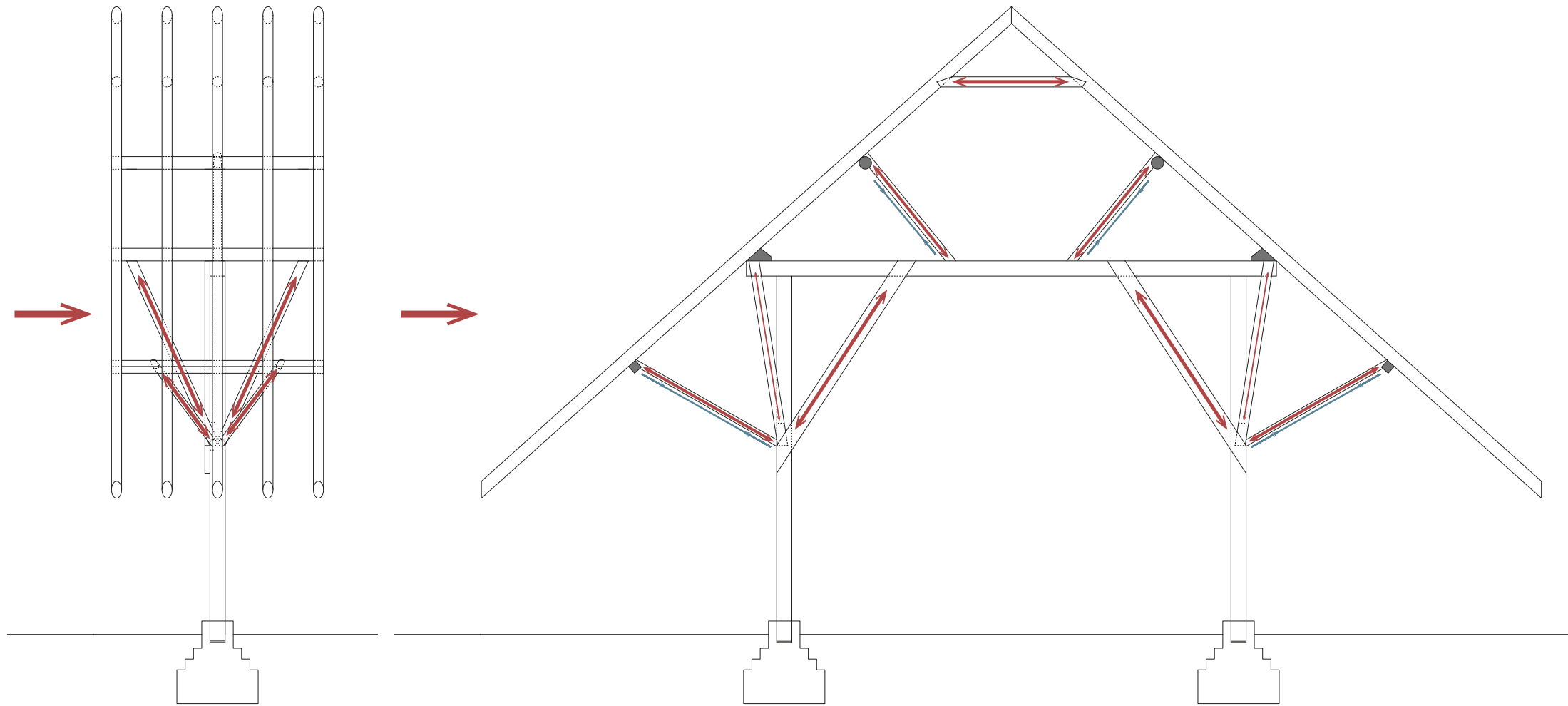


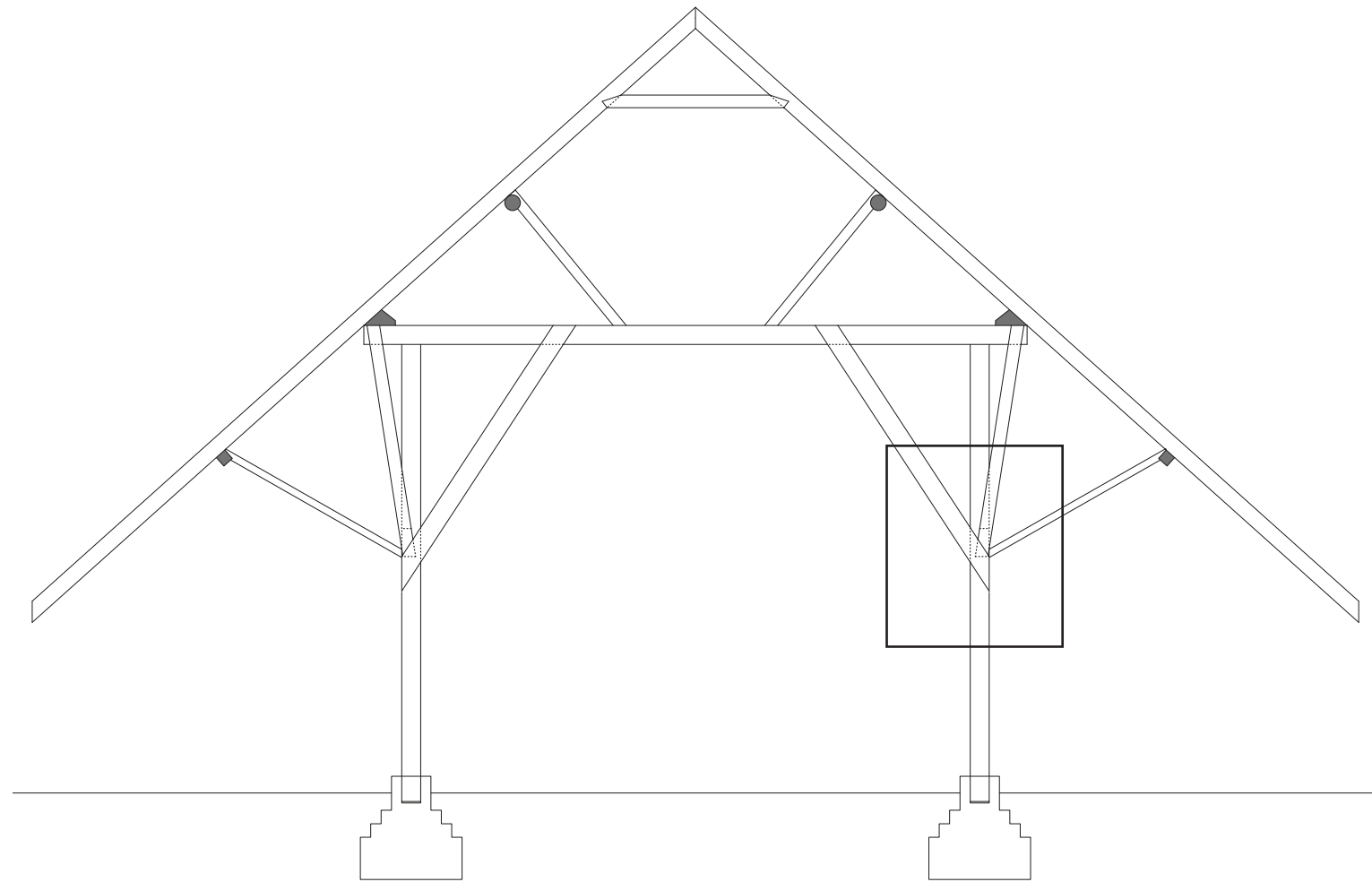
SECTION TRADITIONAL CONSTRUCTION

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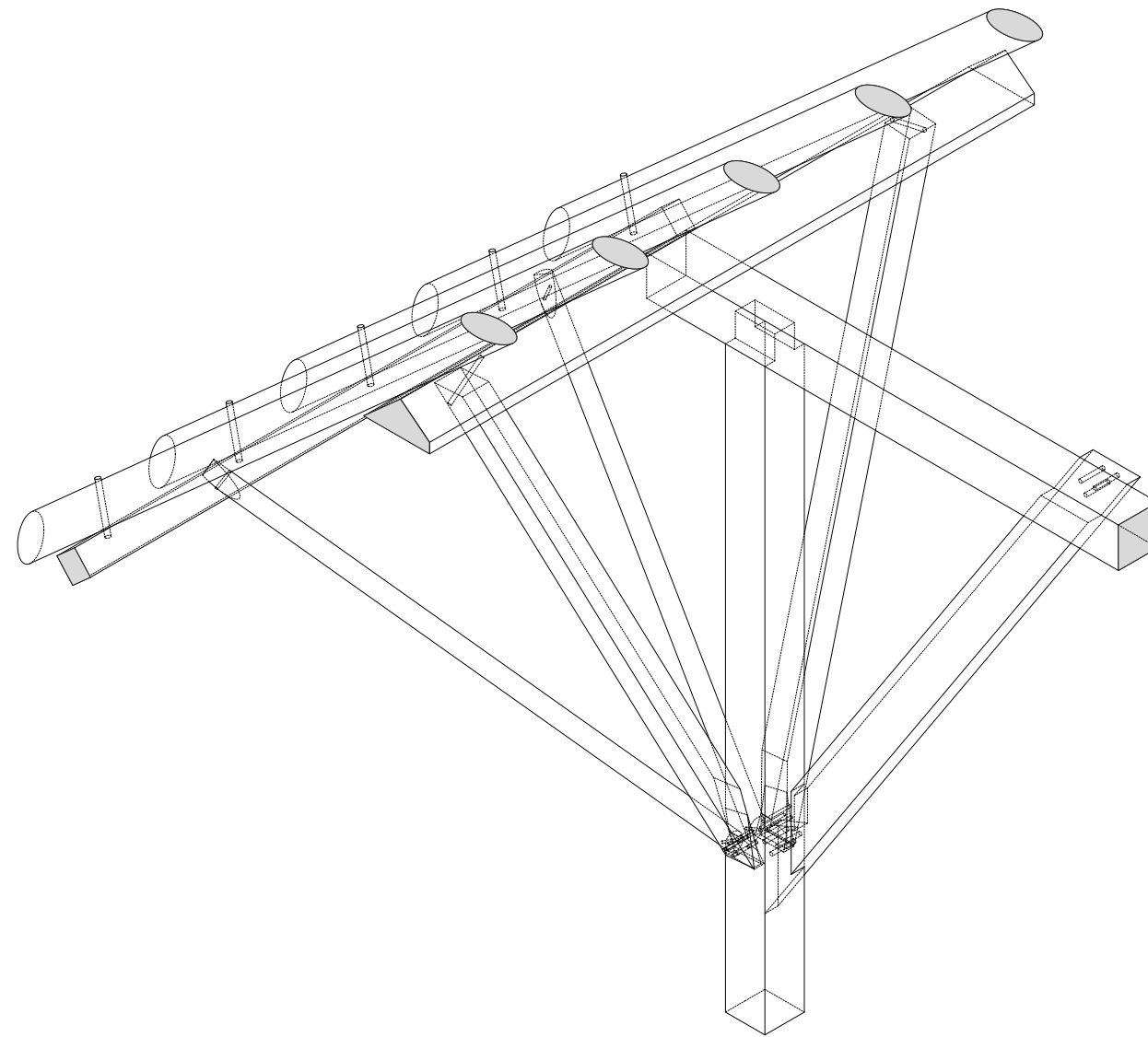


VERTICAL FORCE TRANSFER
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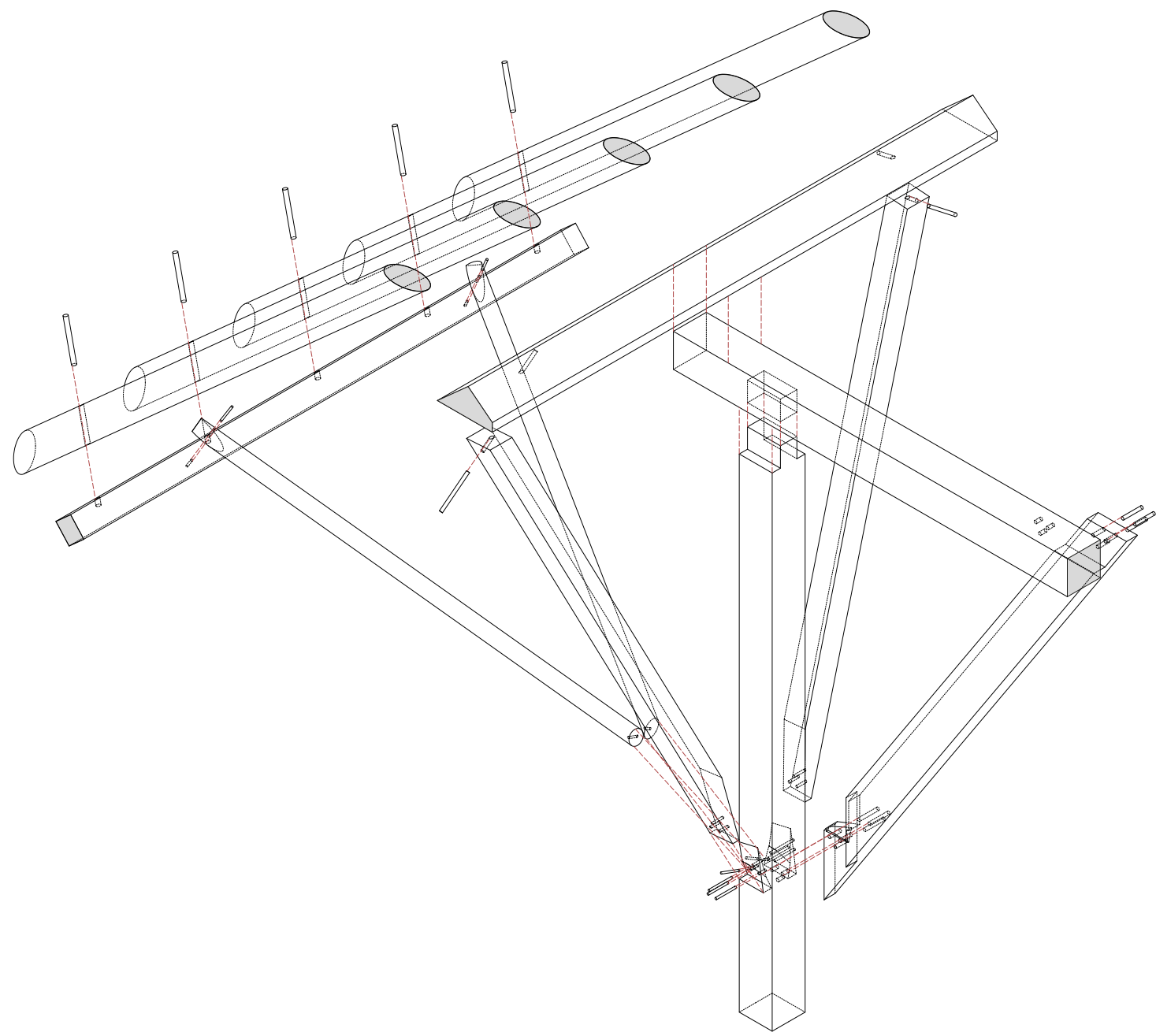


LOCATION OF ELEMENT
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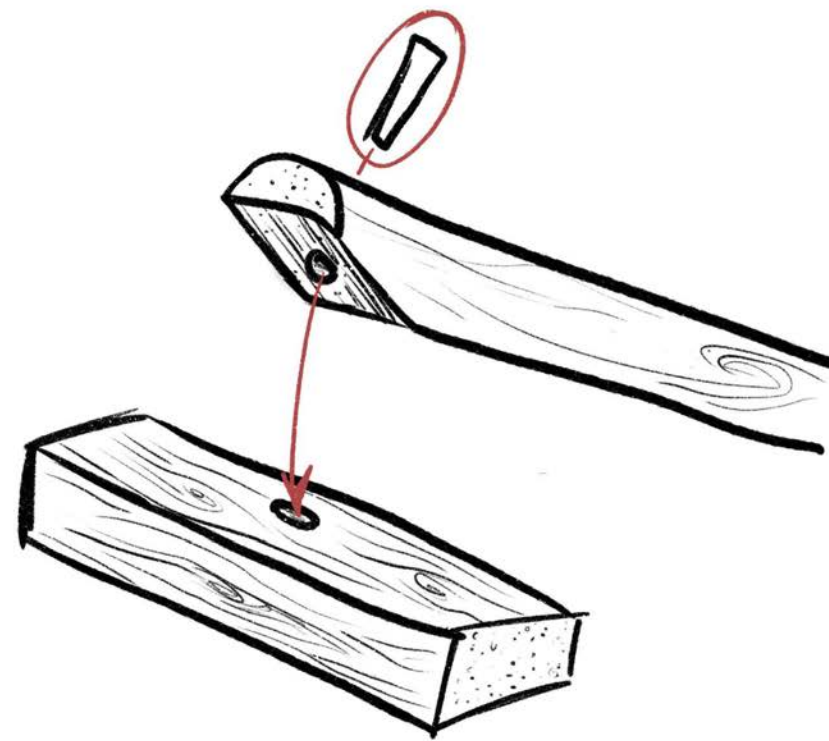


TRADITIONAL ELEMENT

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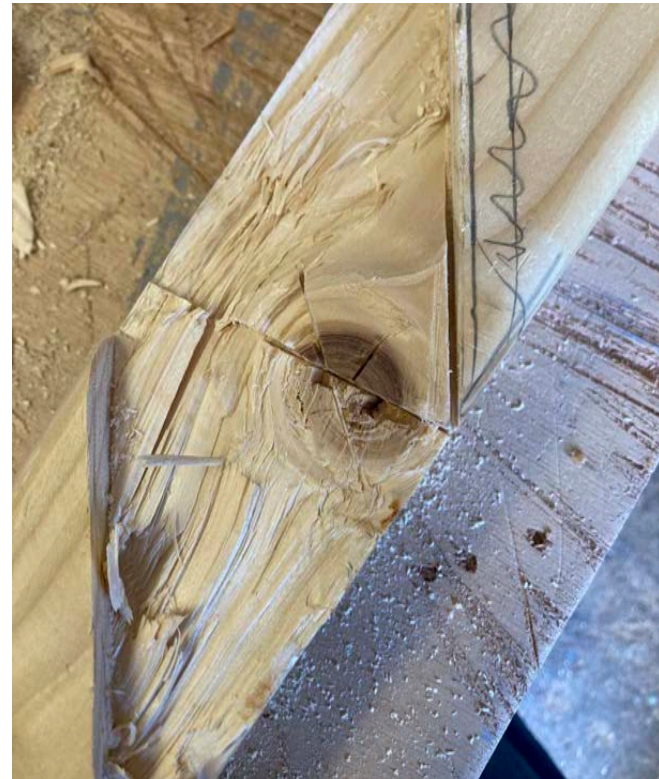


TRADITIONAL ELEMENT EXPLODED



PRINCIPLE OF TRADITIONAL JOINT





CREATING A POSITION

DOGMA'S

MATERIALITY

Should be local and timber

TOOLS

for professional ammateur - Hornbach available

VISIBILITY OF MAKING

transparancy in joints and materiality

DIMENSIONS AND REPETITION

repitition of trusses grid

TAKE AWAYS FROM DE HAVER

GRID

5M repetition - 9M width

ROOF SILLHOUETE

12.5M nok

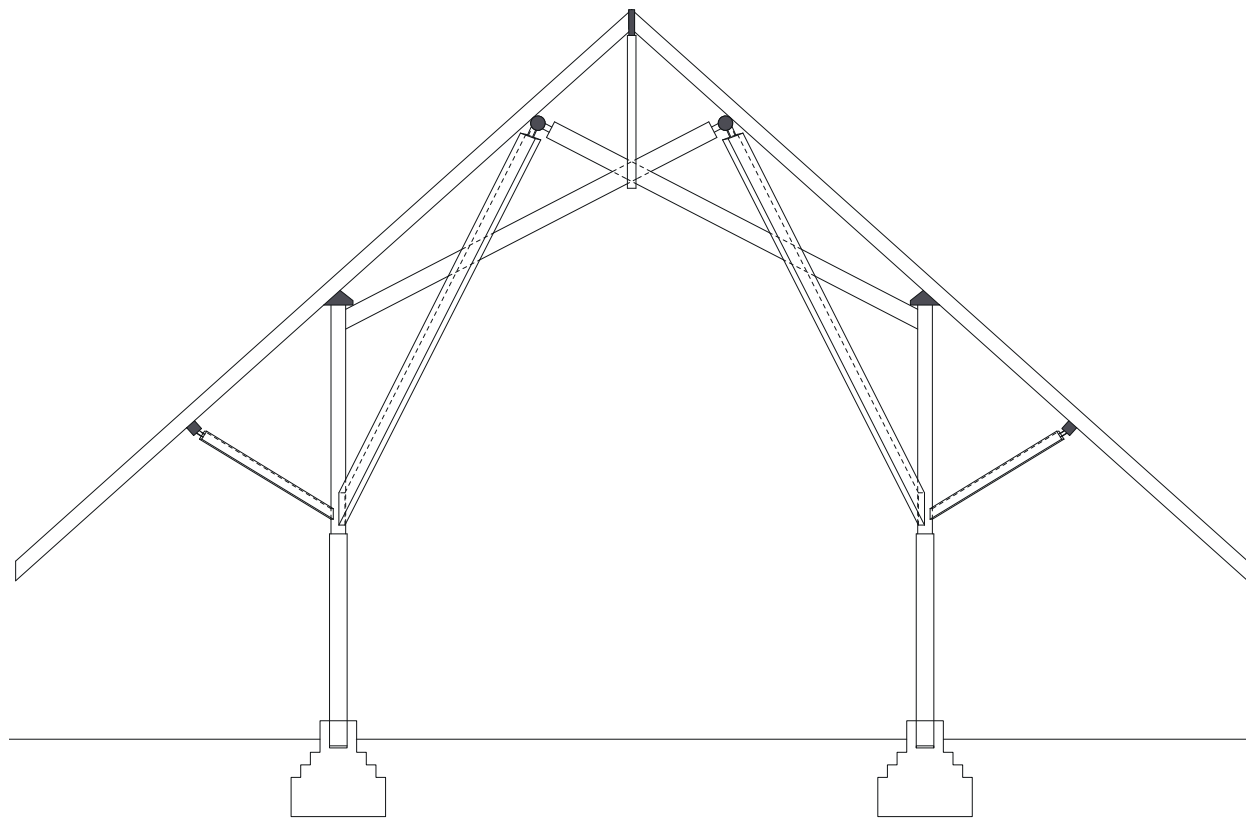
GORDING CONTINUATION

span point continues

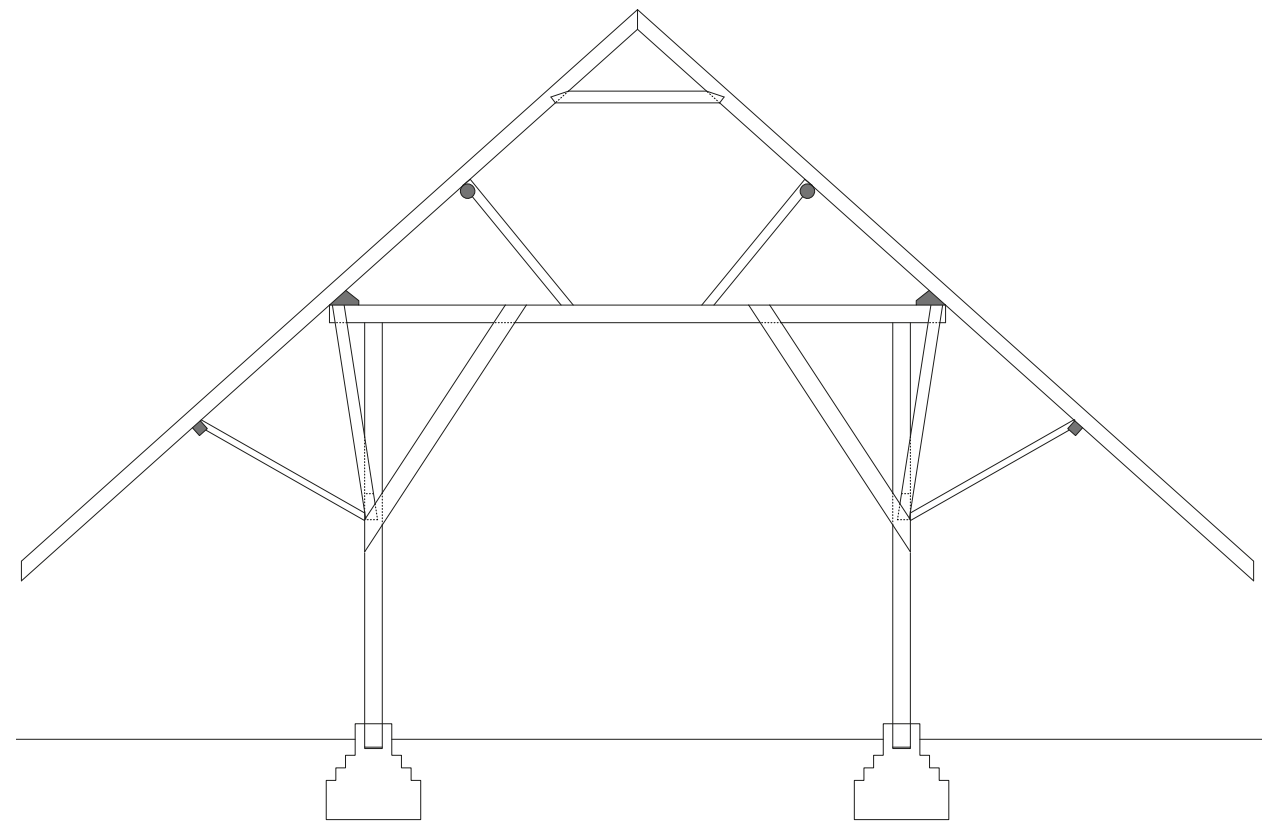
HEIGHT JOINT

3.2M of free space on ground floor

REDESIGNING THE CONSTRUCTION



REDESIGNED

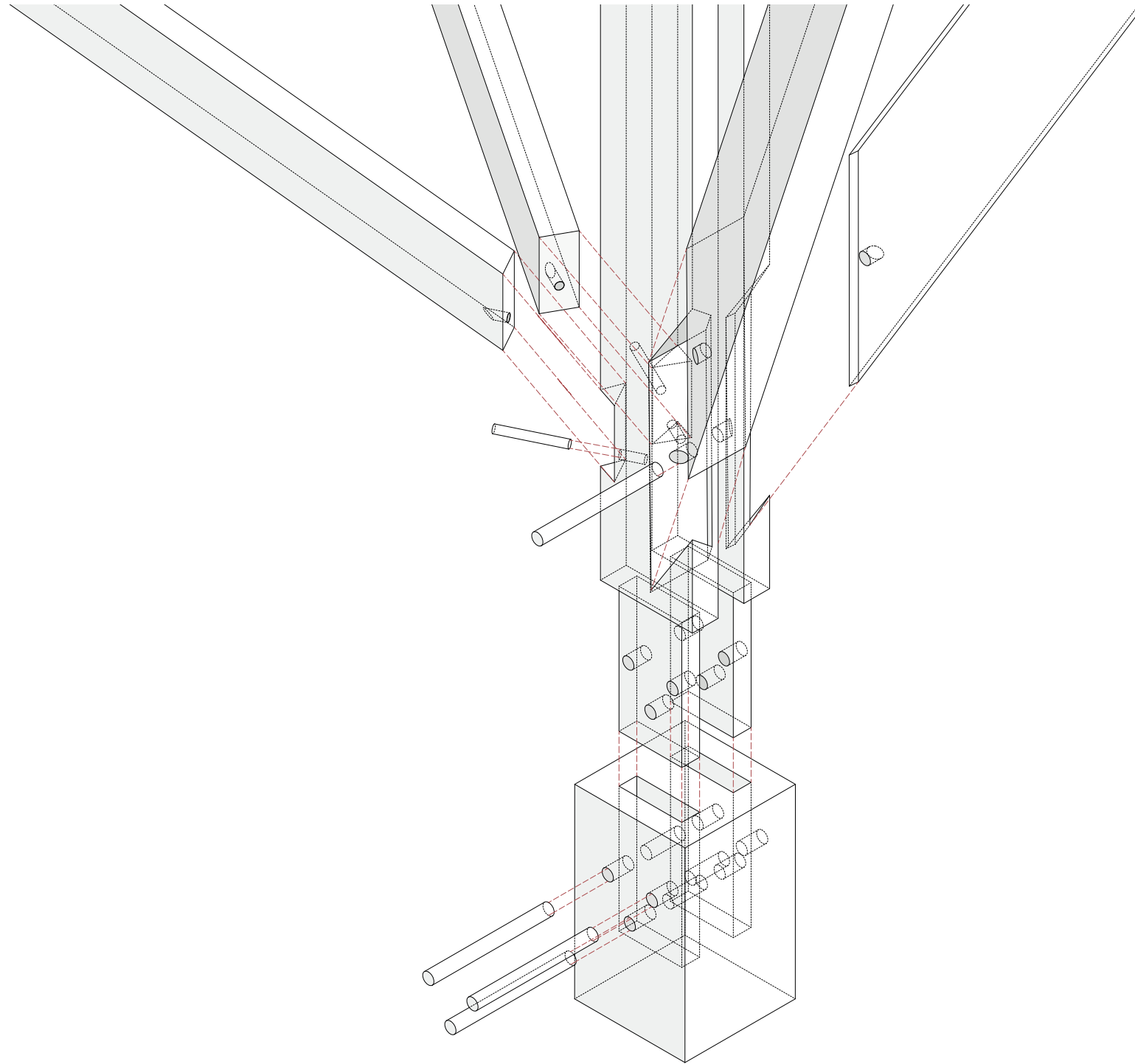


TRADITIONAL



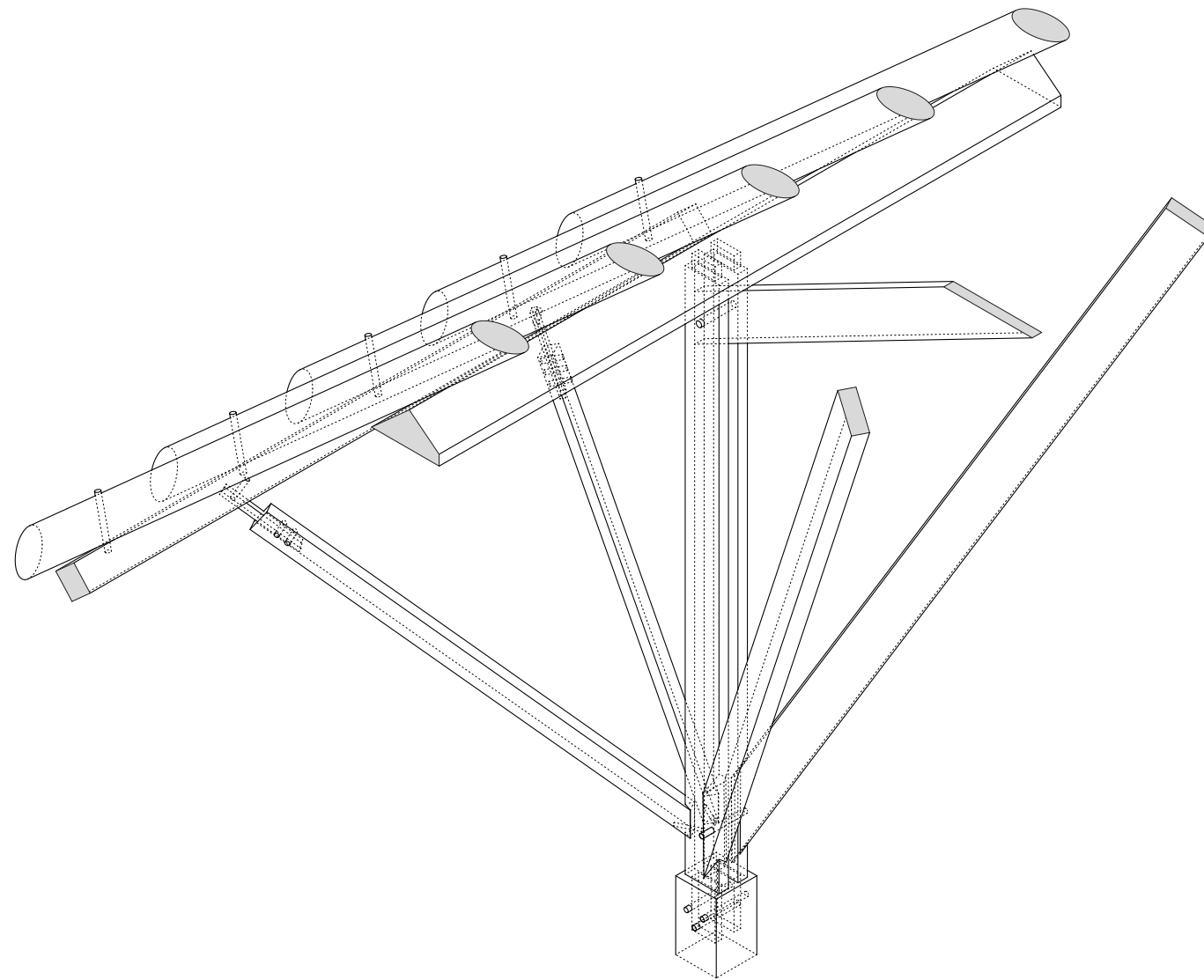
REDESIGNED JOINT AESTHETICS

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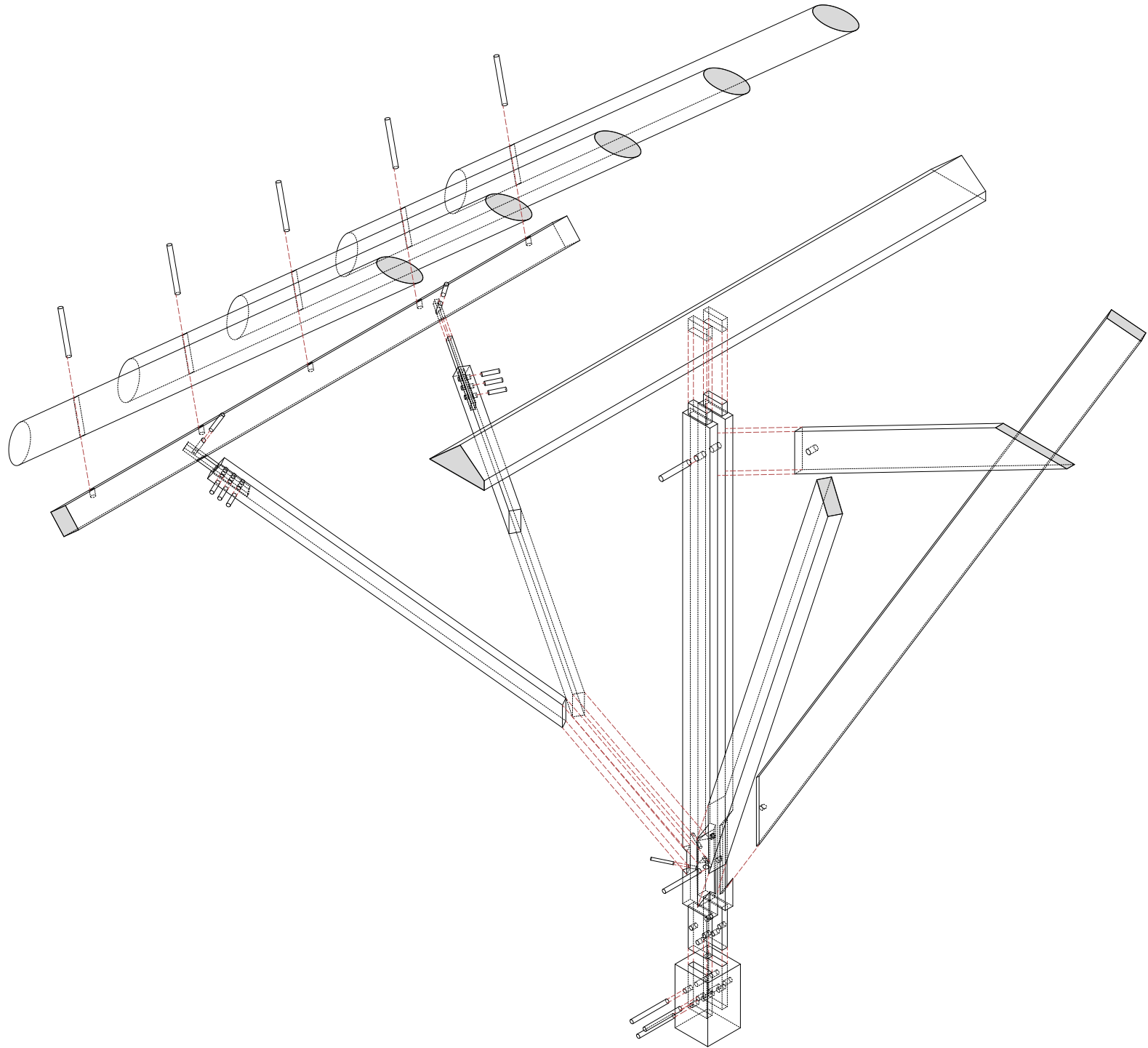
REDESIGNED JOINT AESTHETICS

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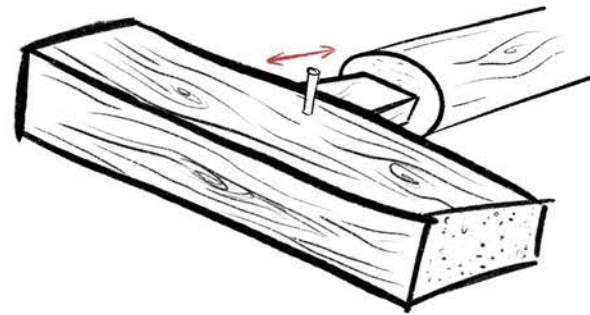
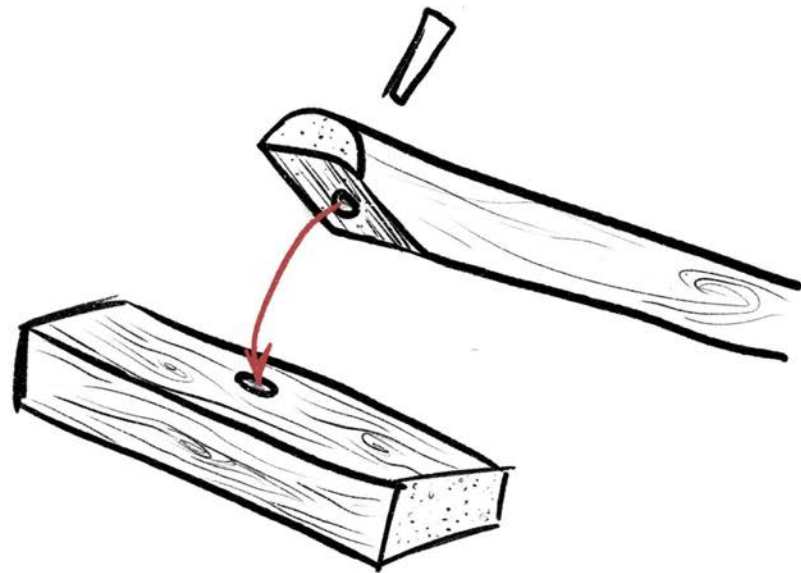


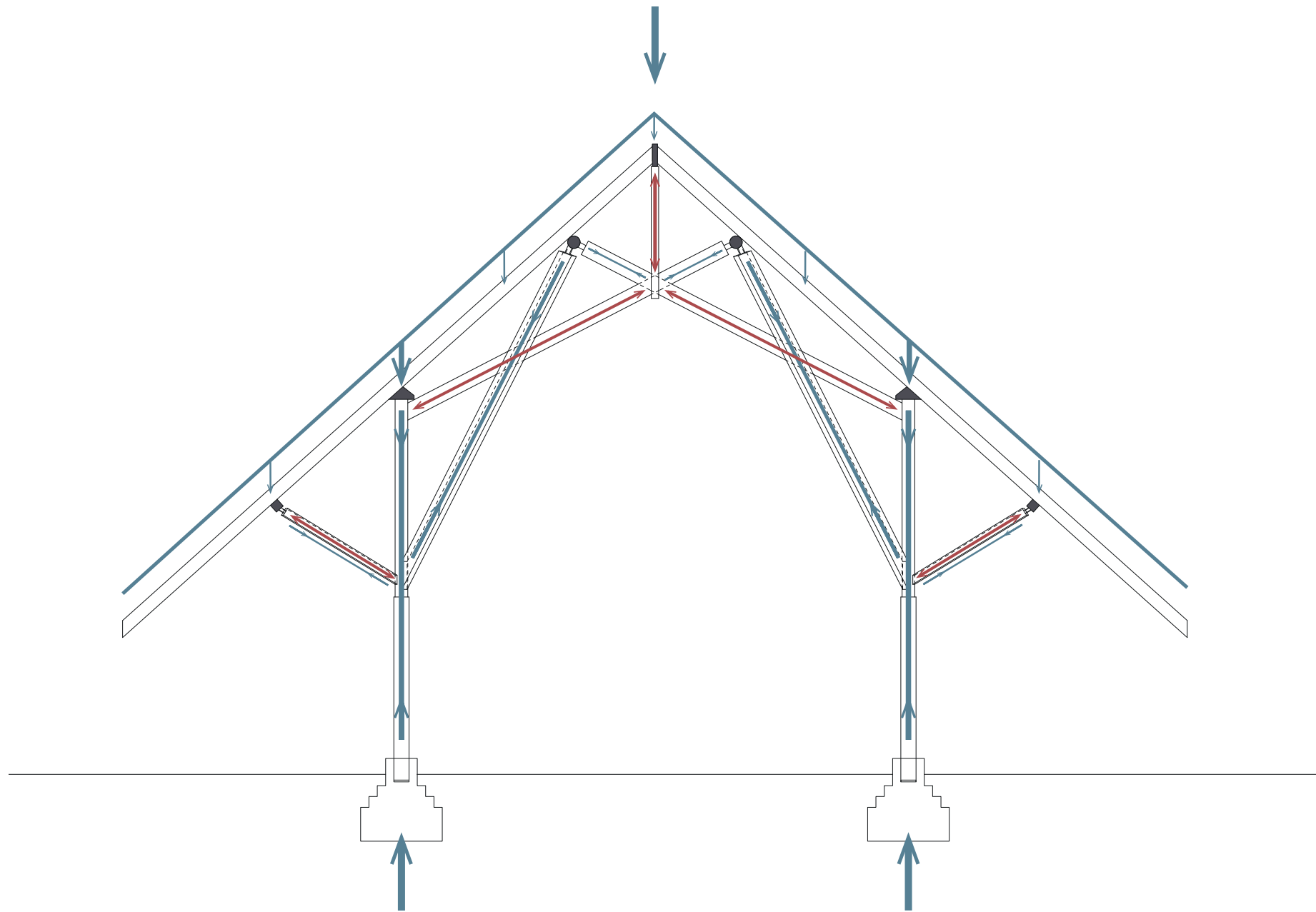
REDESIGNED ELEMENT

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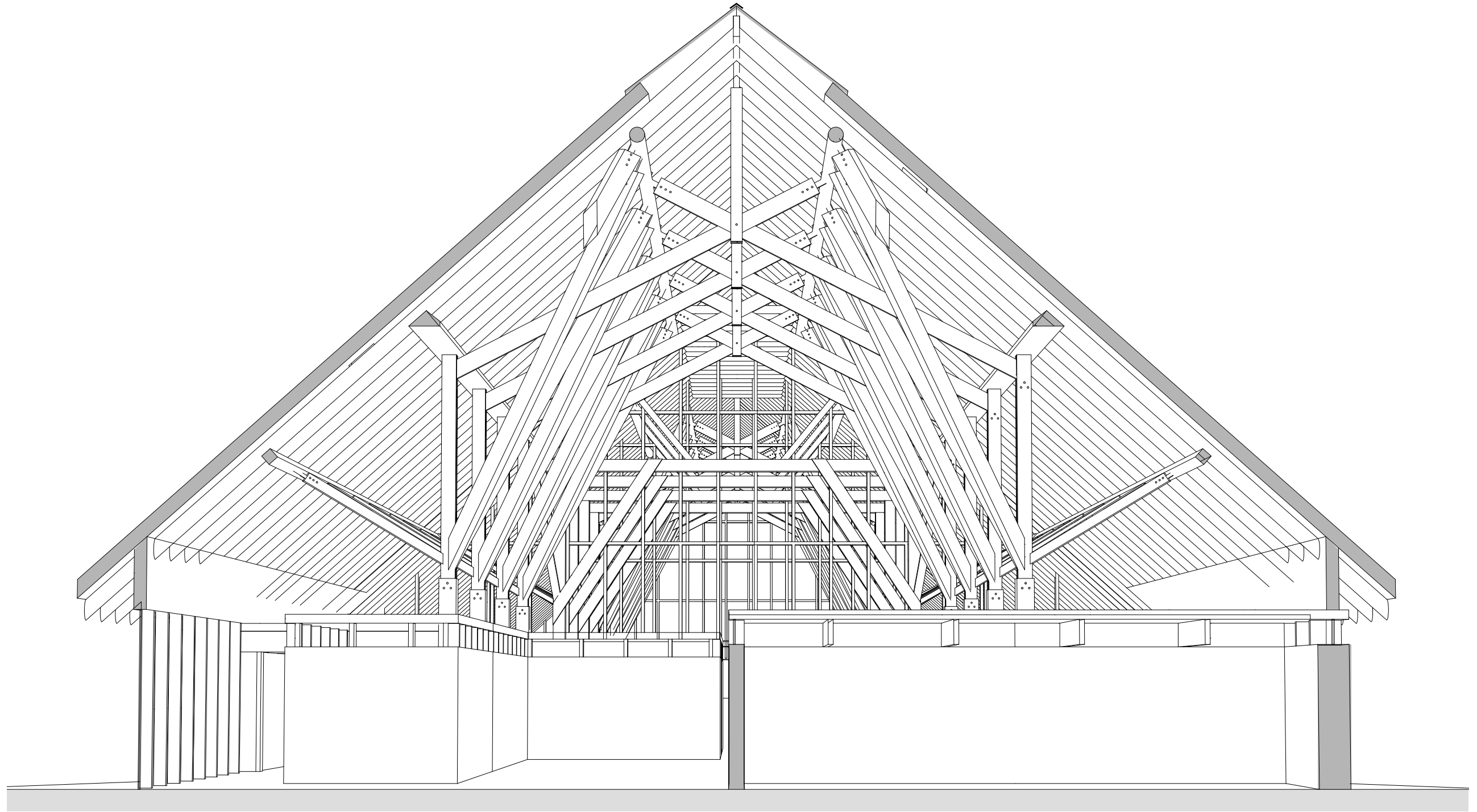


REDESIGNED ELEMENT EXPLODED



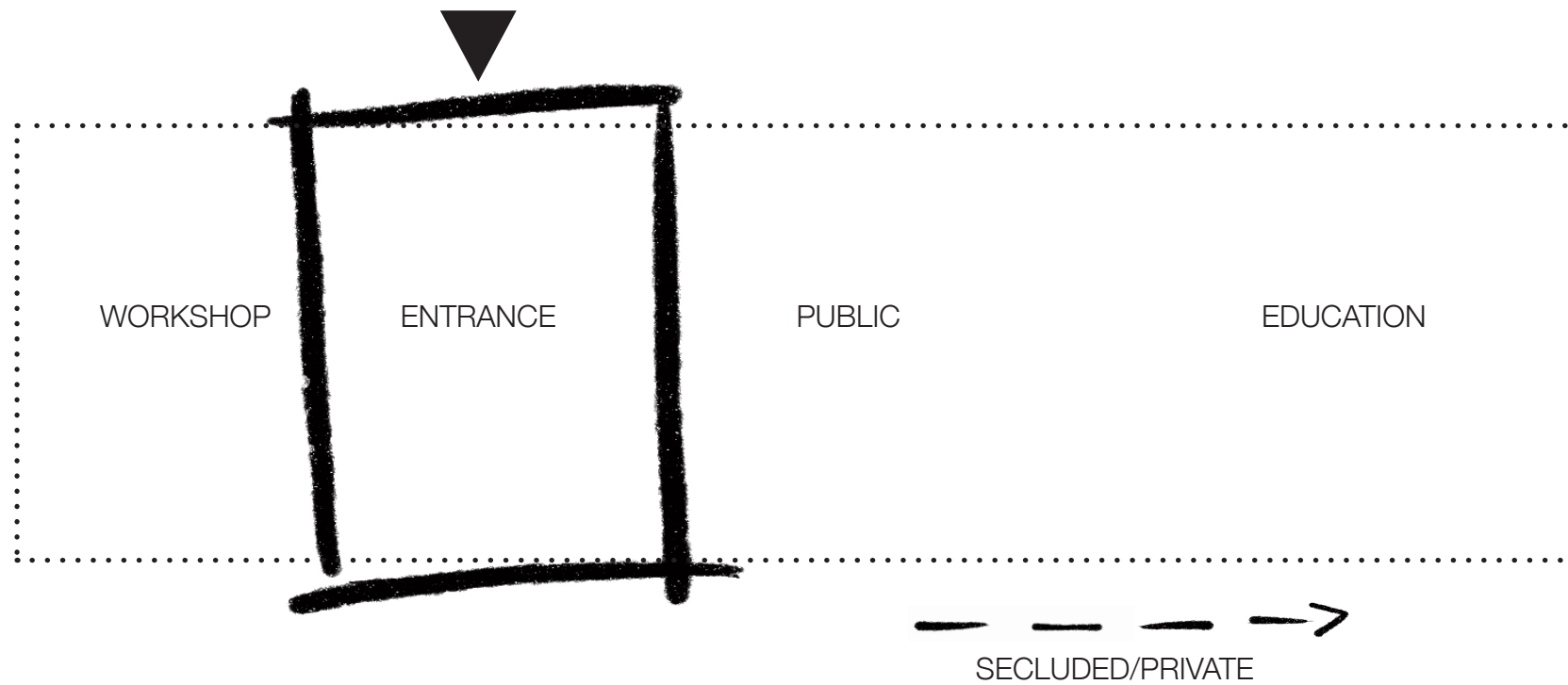


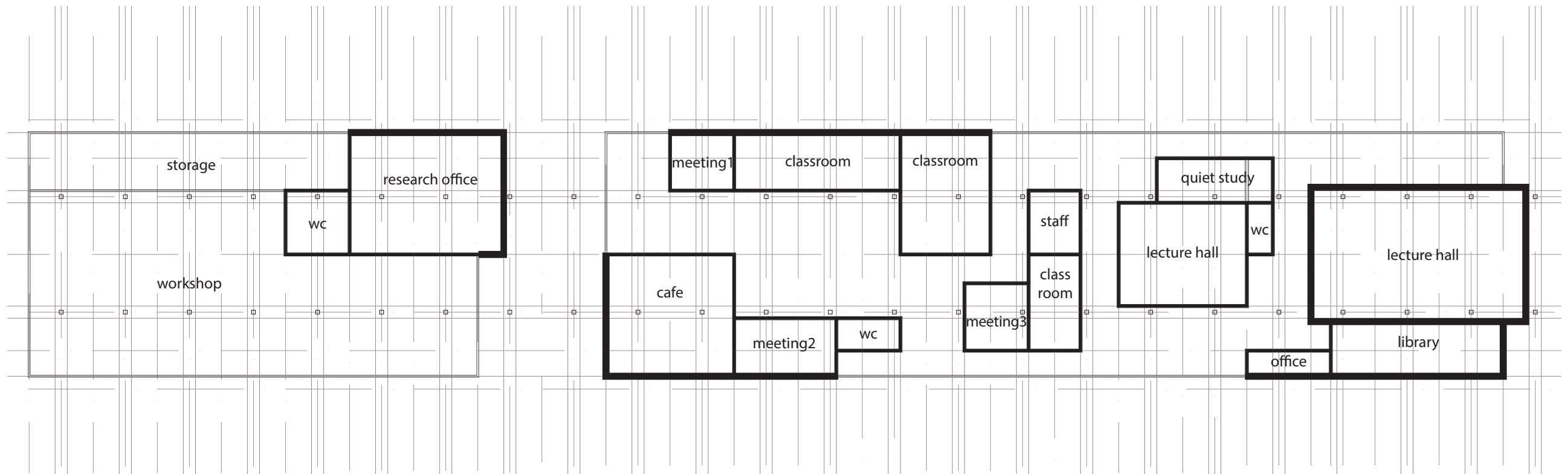
VERTICAL FORCE TRANSFER
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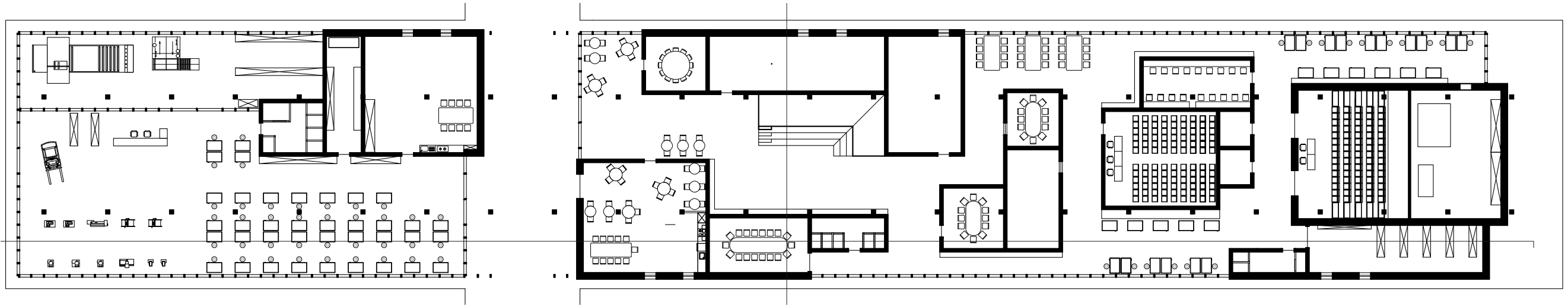


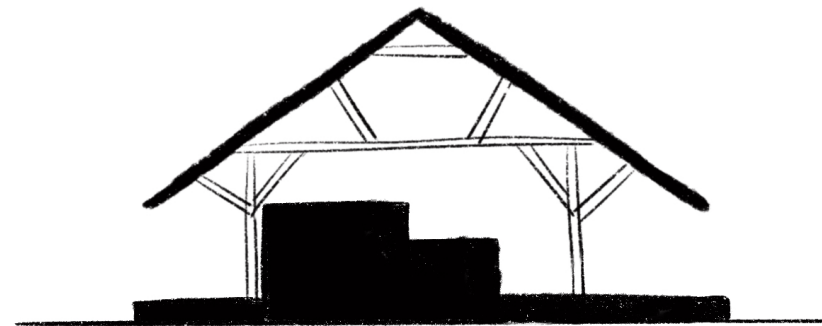
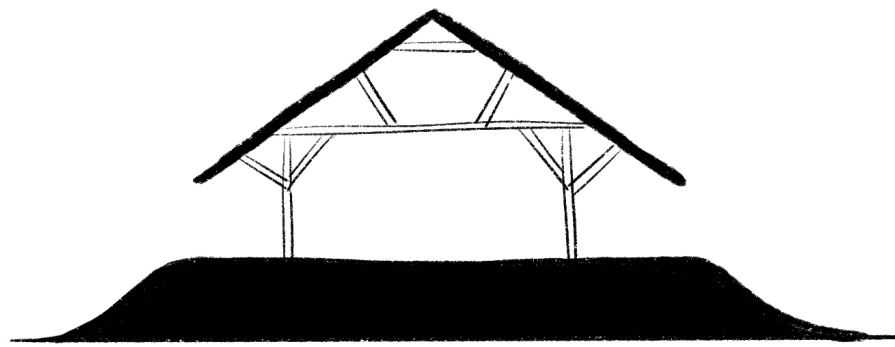
SPATIAL CONSEQUENCES OF CONSTRUCTION

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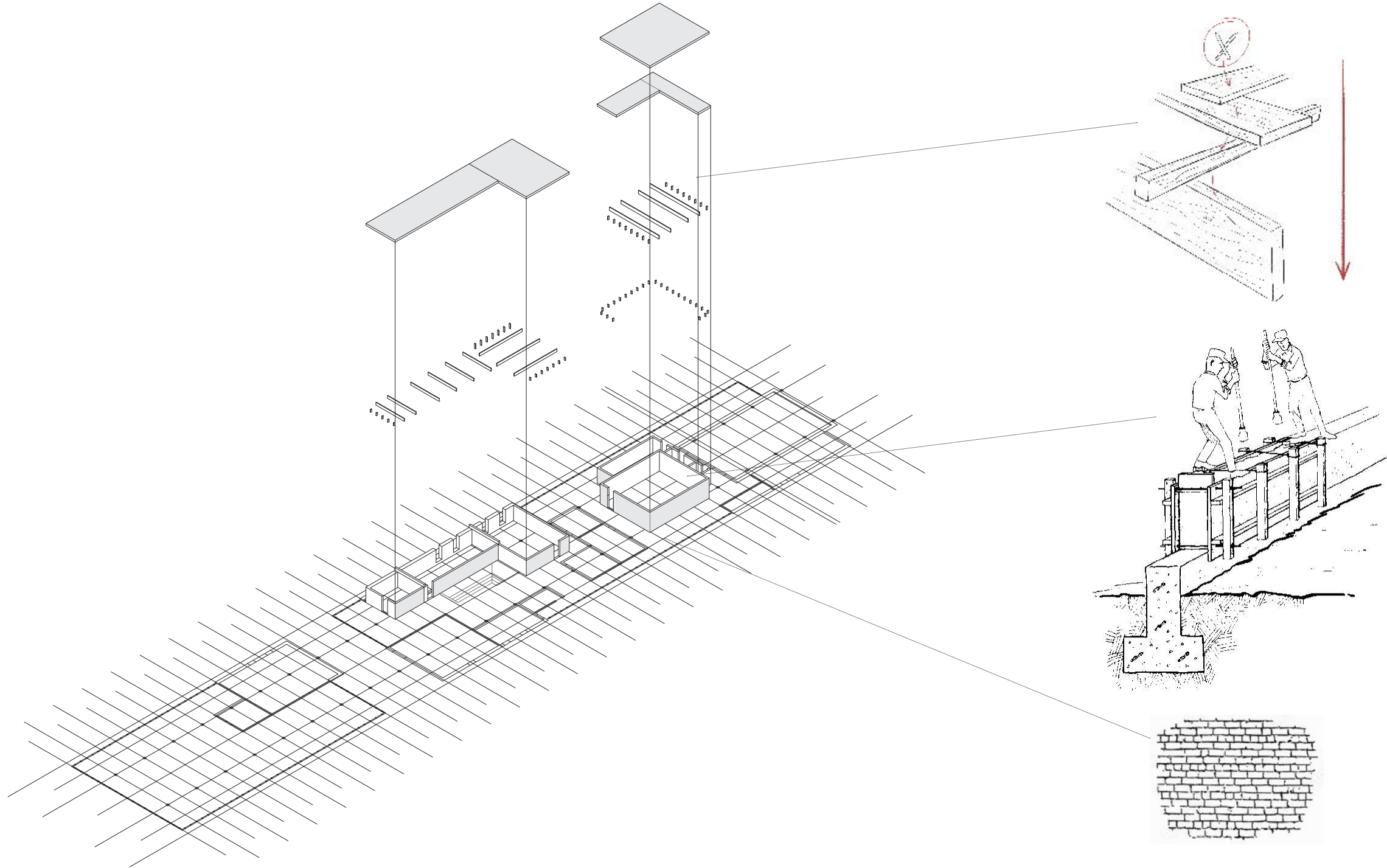


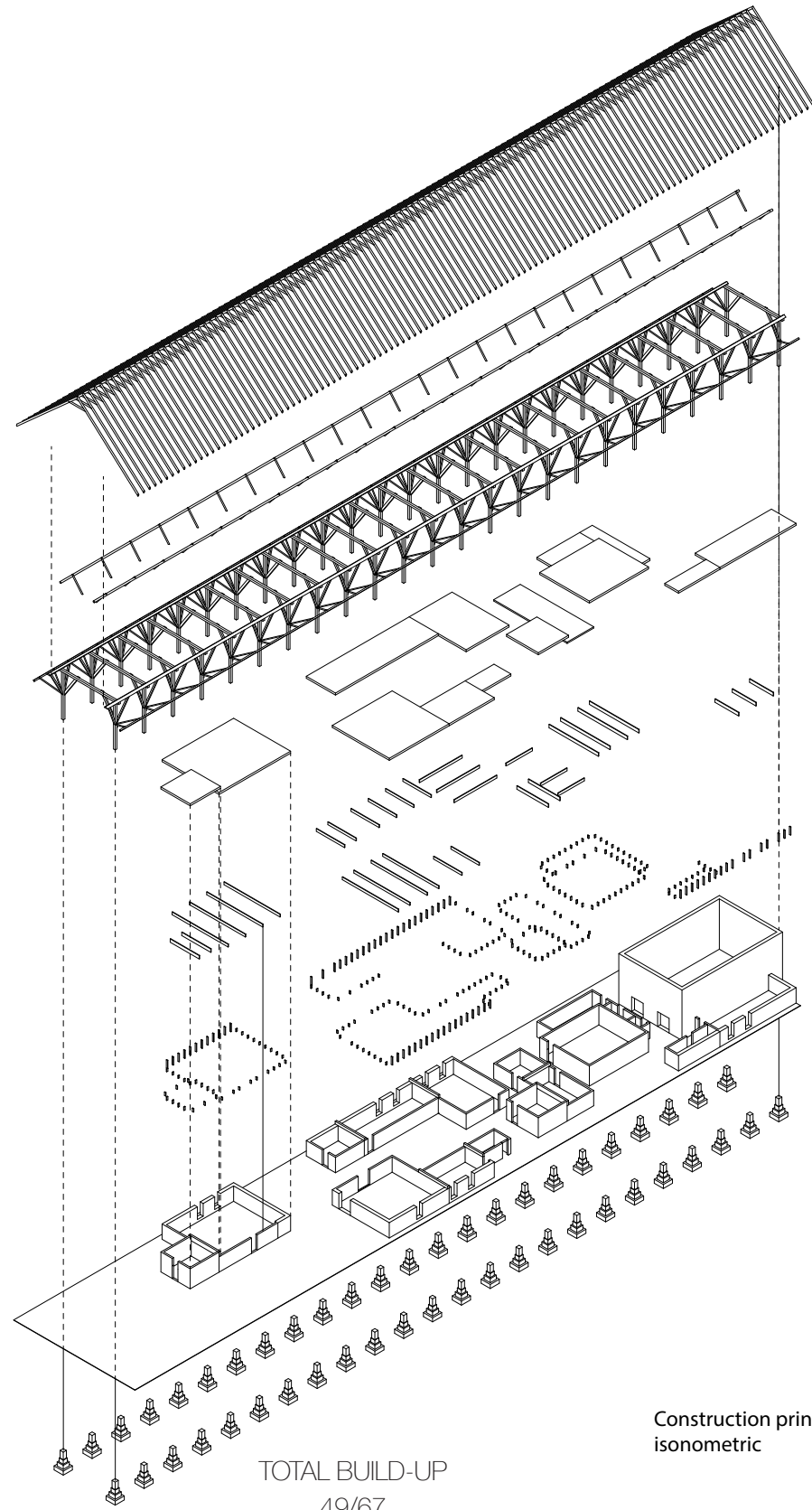






NEW SPACES UNDERNEATH CONSTRUCTION



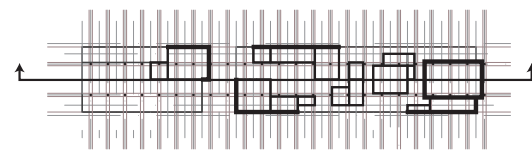
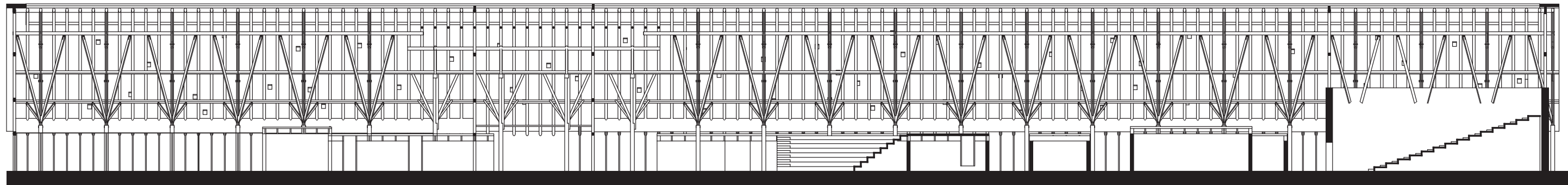


TOTAL BUILD-UP
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Construction principle
isonometric

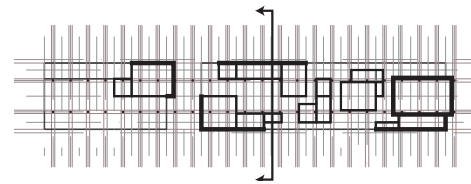
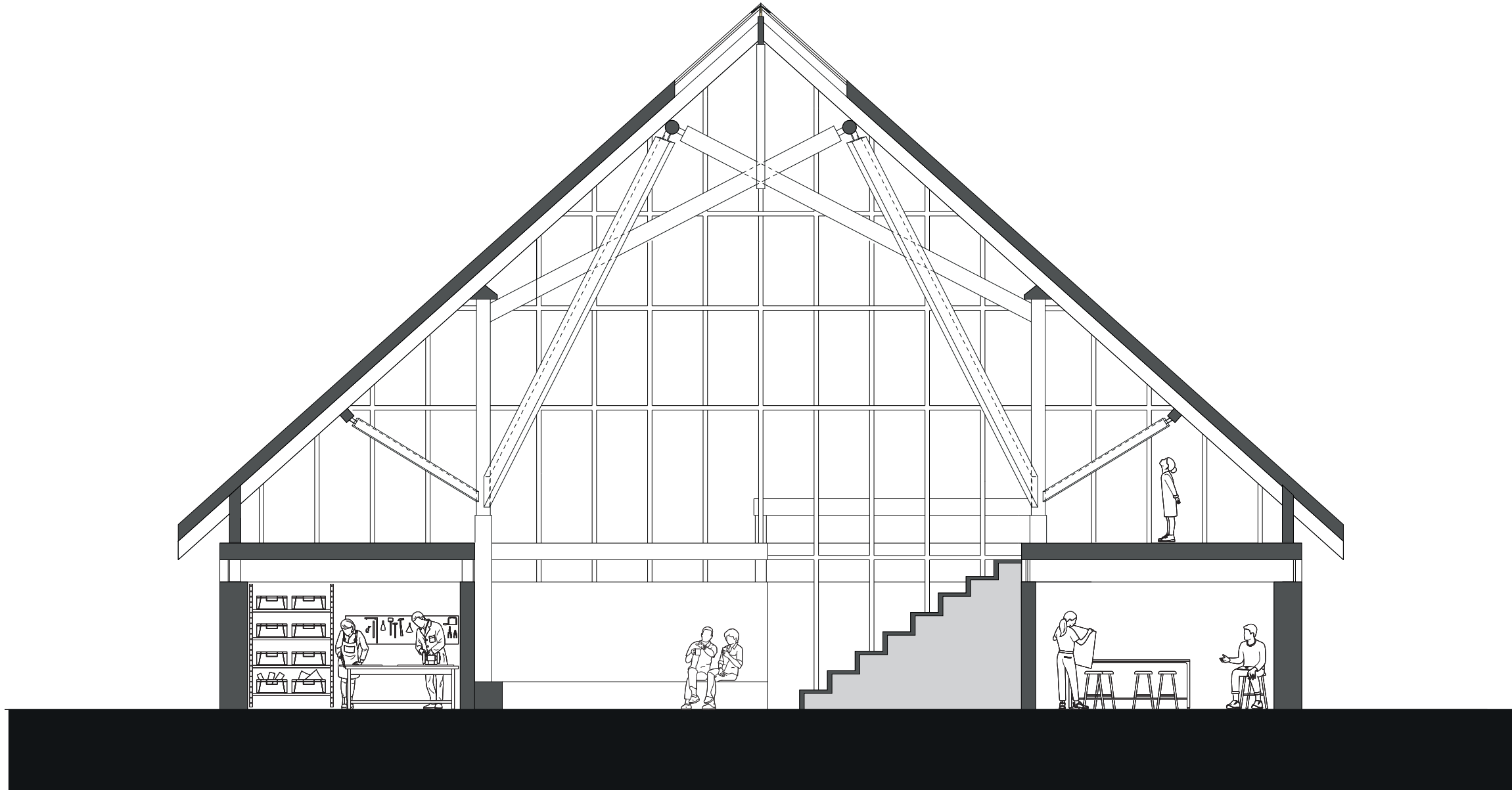


Overview
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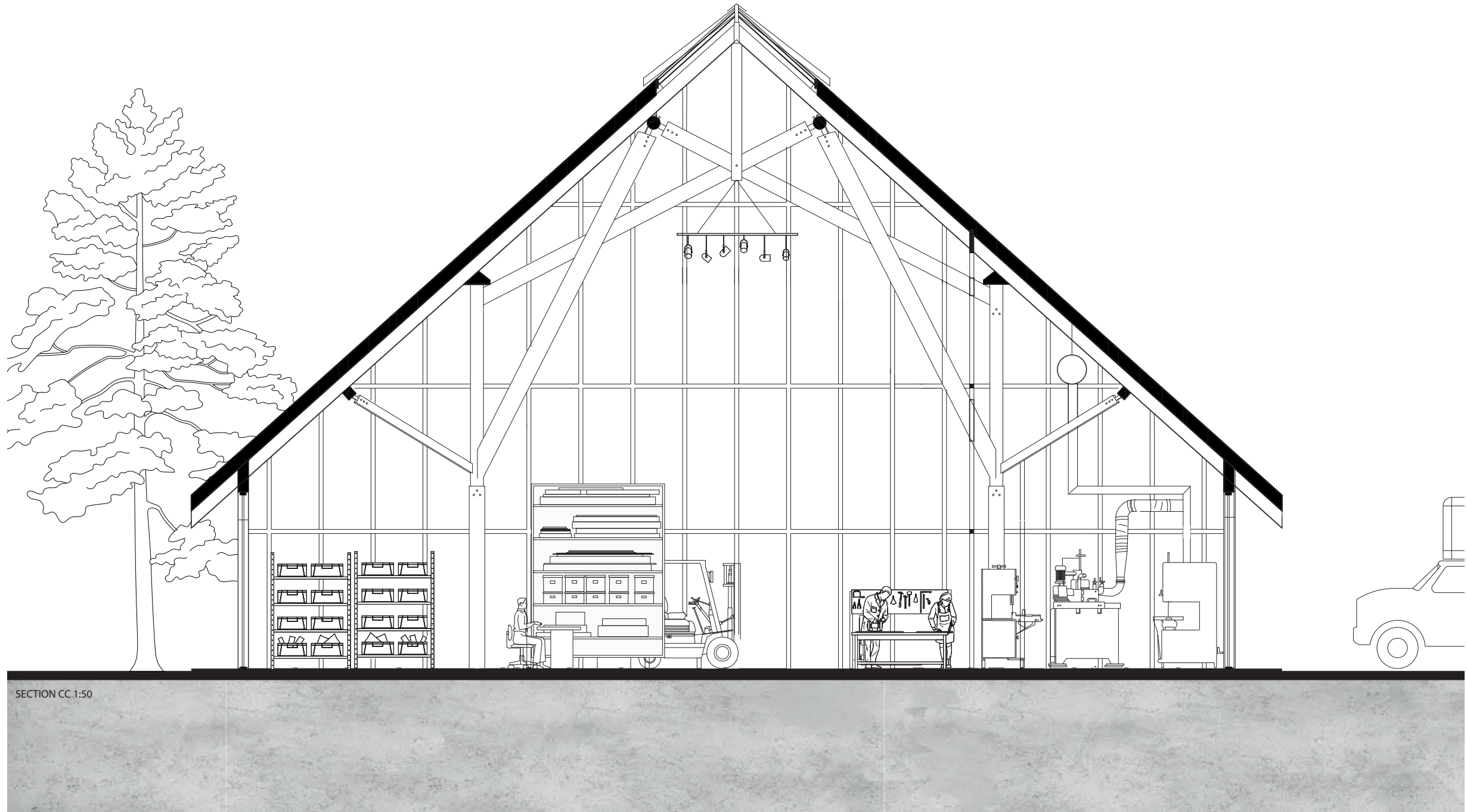


SECTION LONGITUDINAL

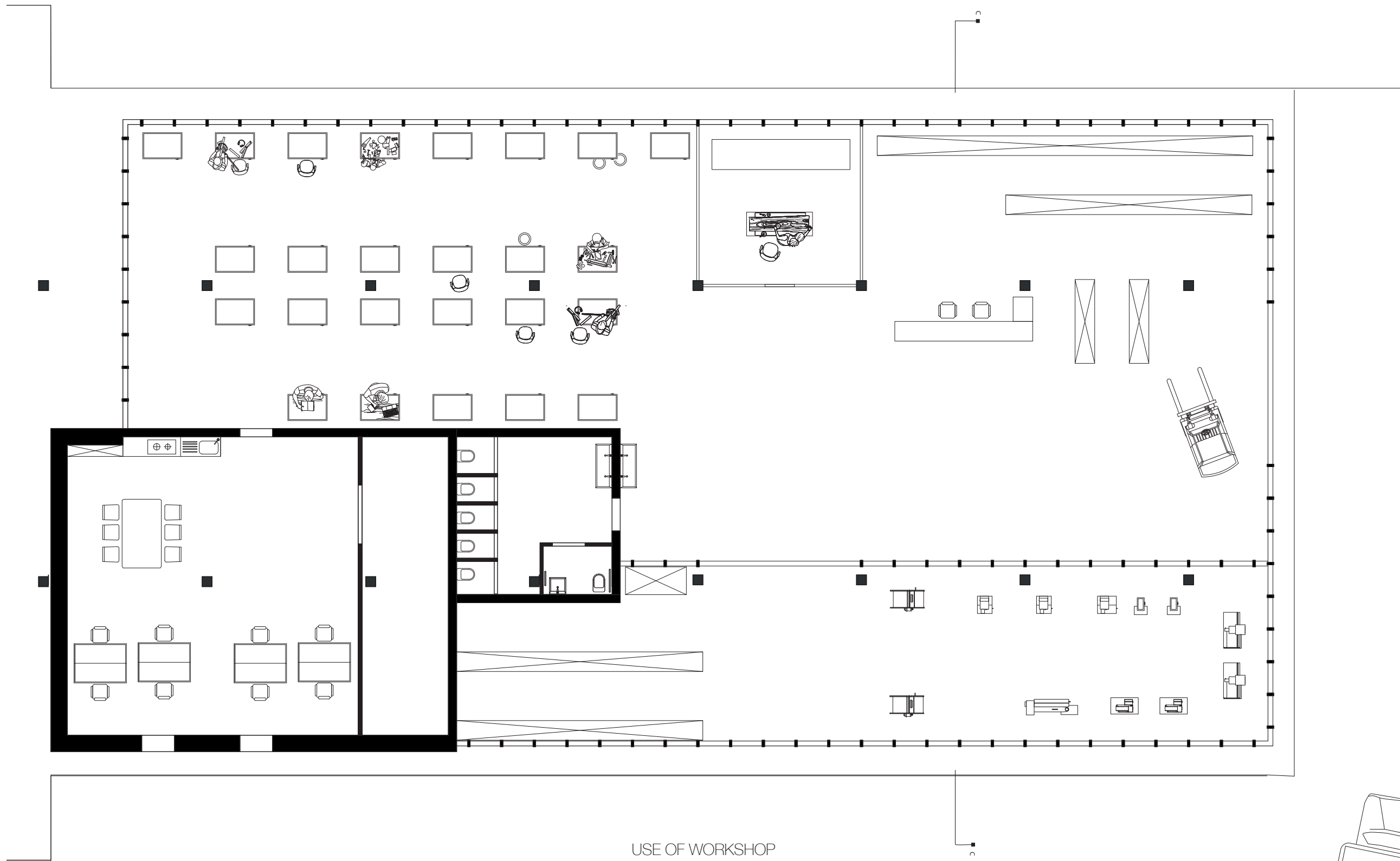
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SECTION DIFFERENT USE OF SPACES

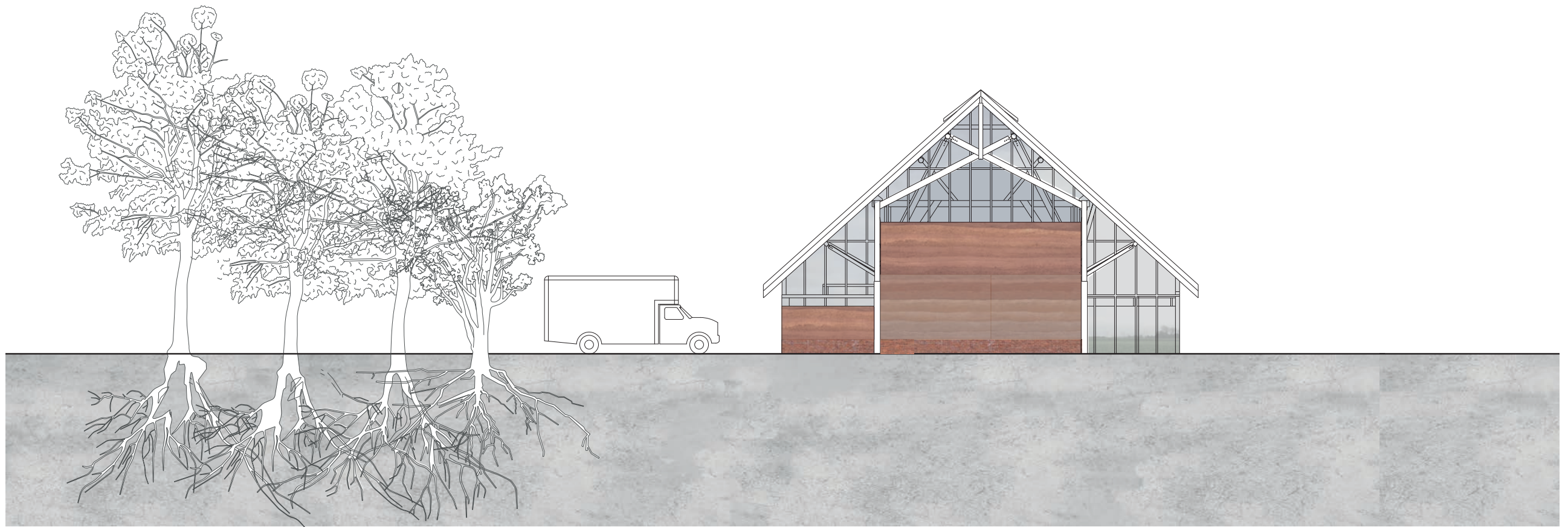


SECTION CC 1:50



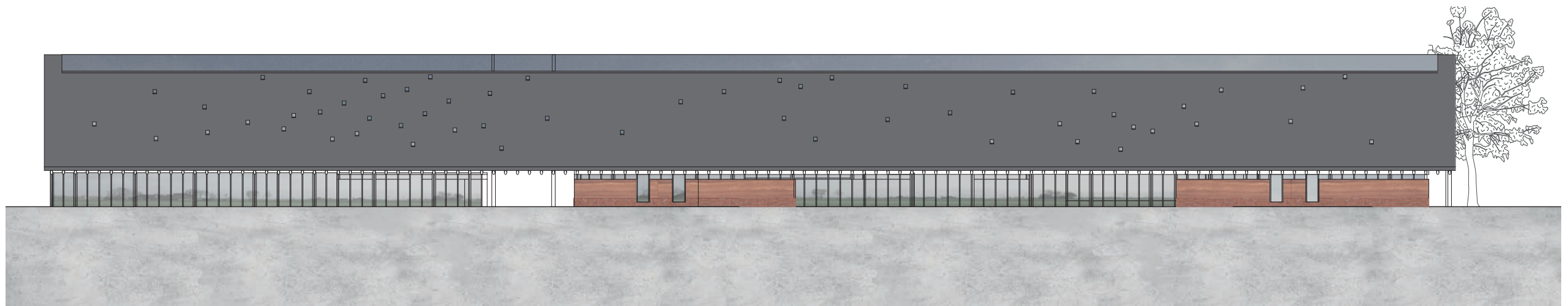
USE OF WORKSHOP
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ELEVATION IN LANDSCAPE

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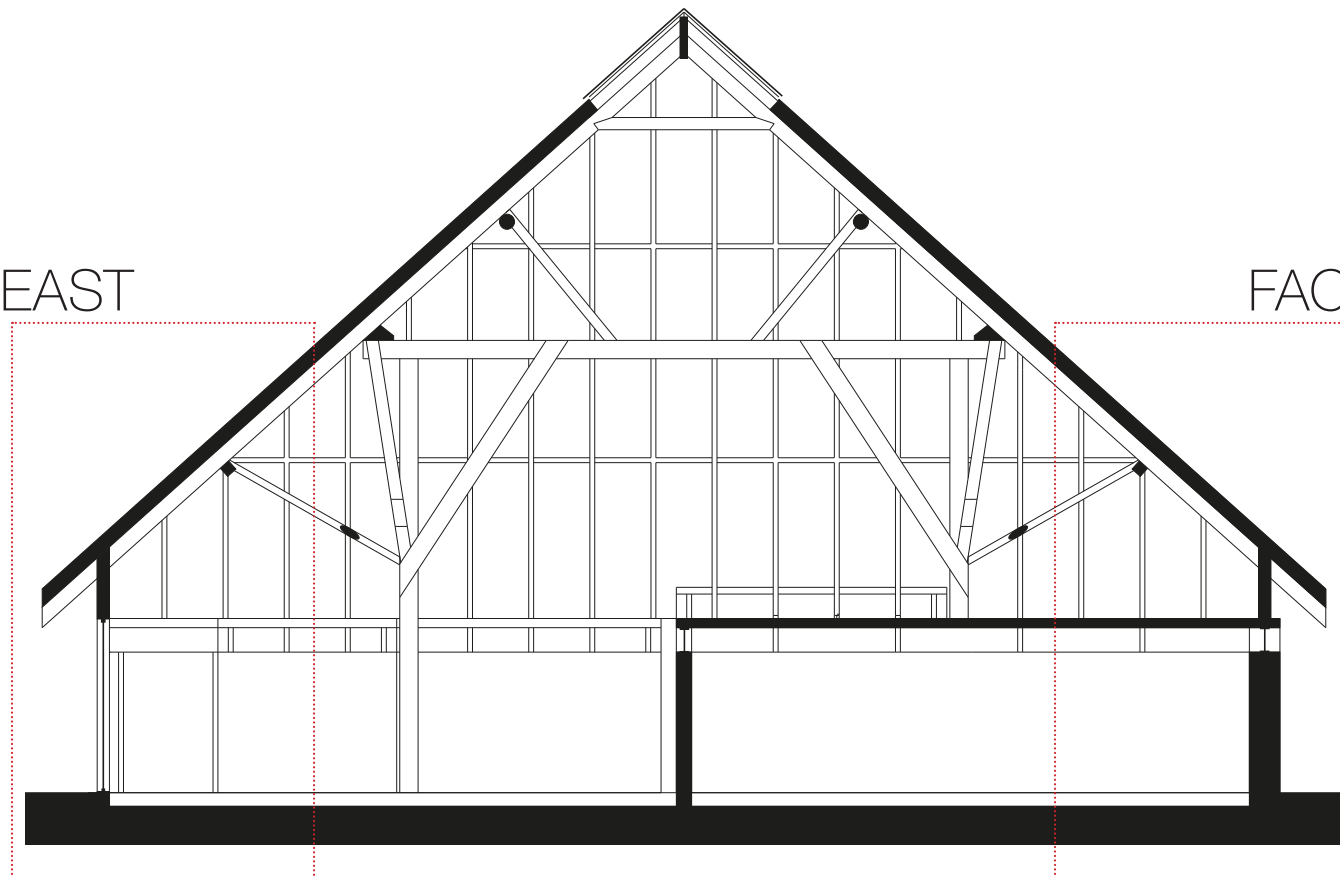
ELEVATION
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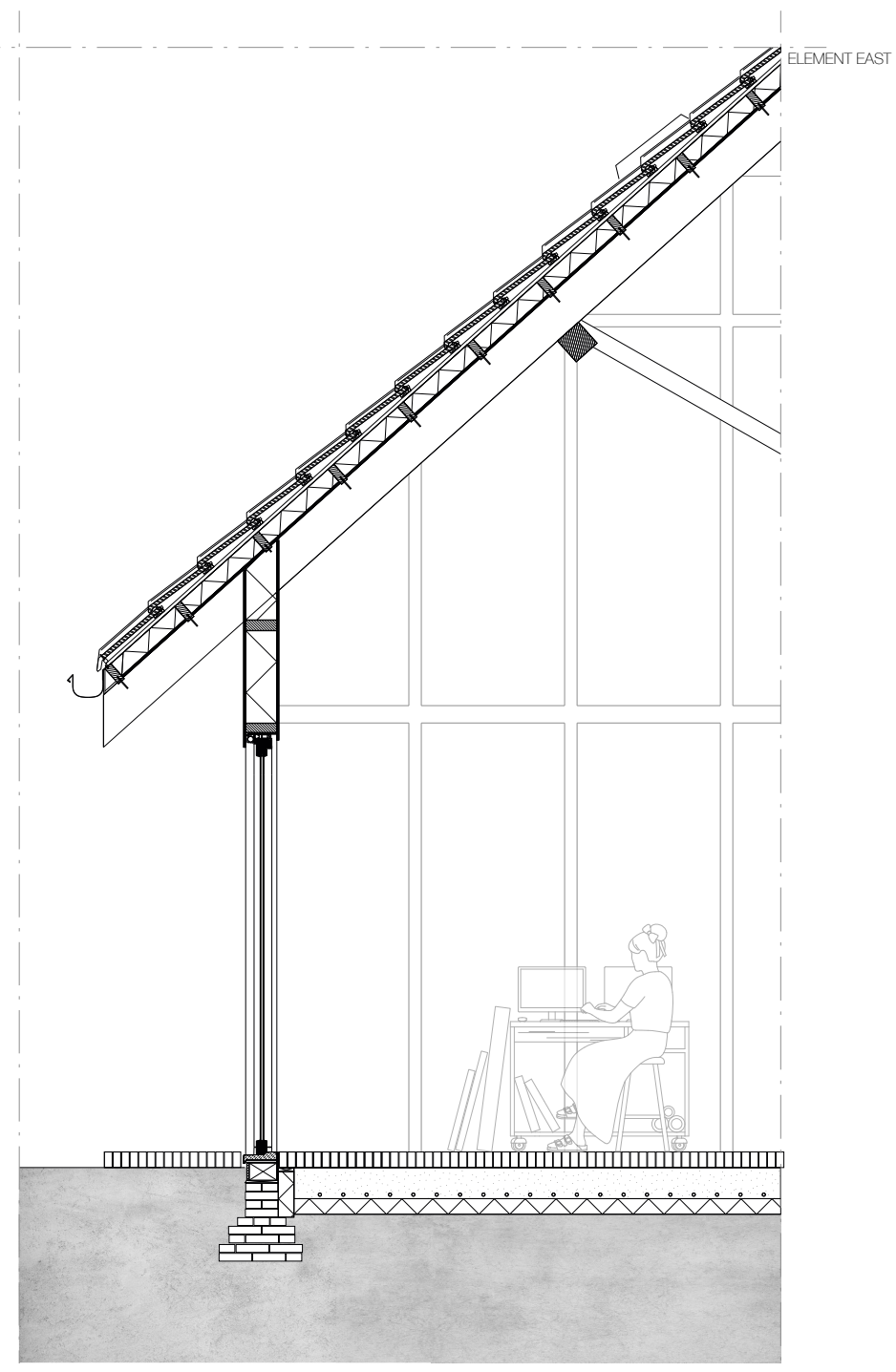
FACADE AND MATERIALITY
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FACADE ELEMENT EAST

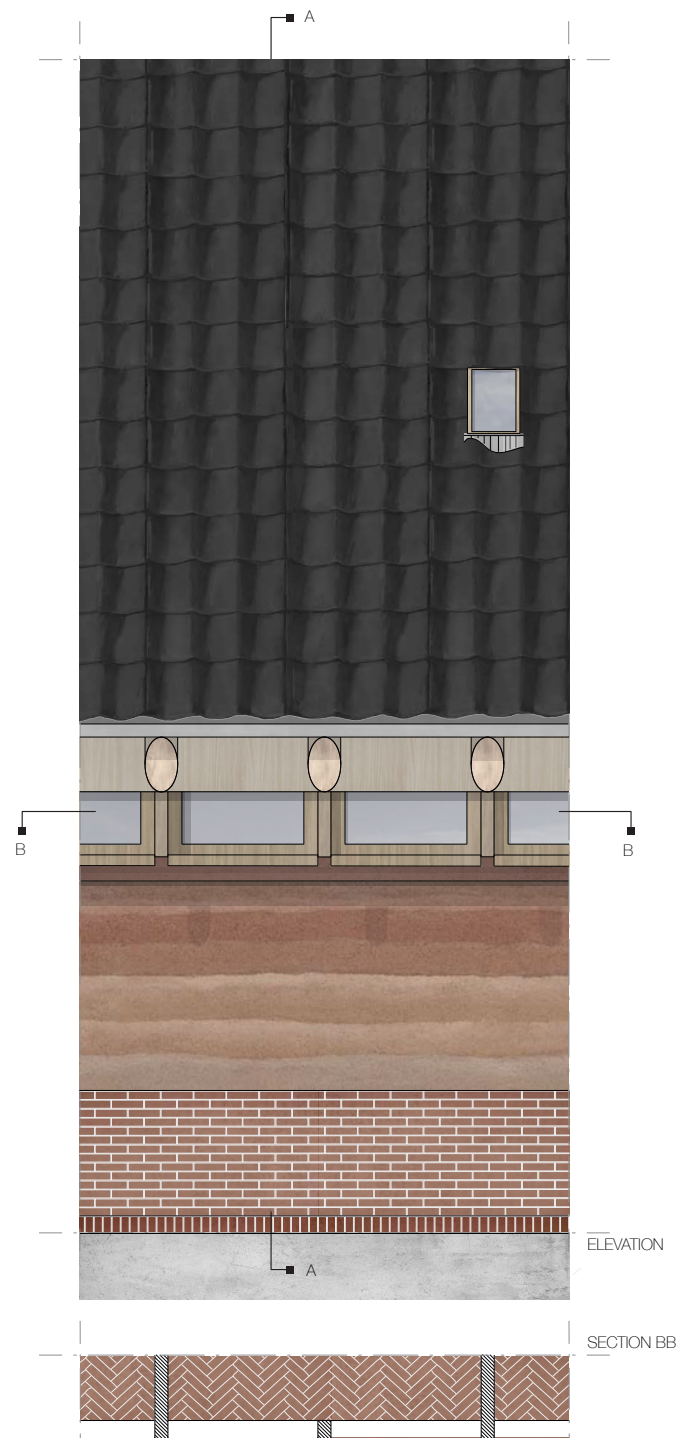
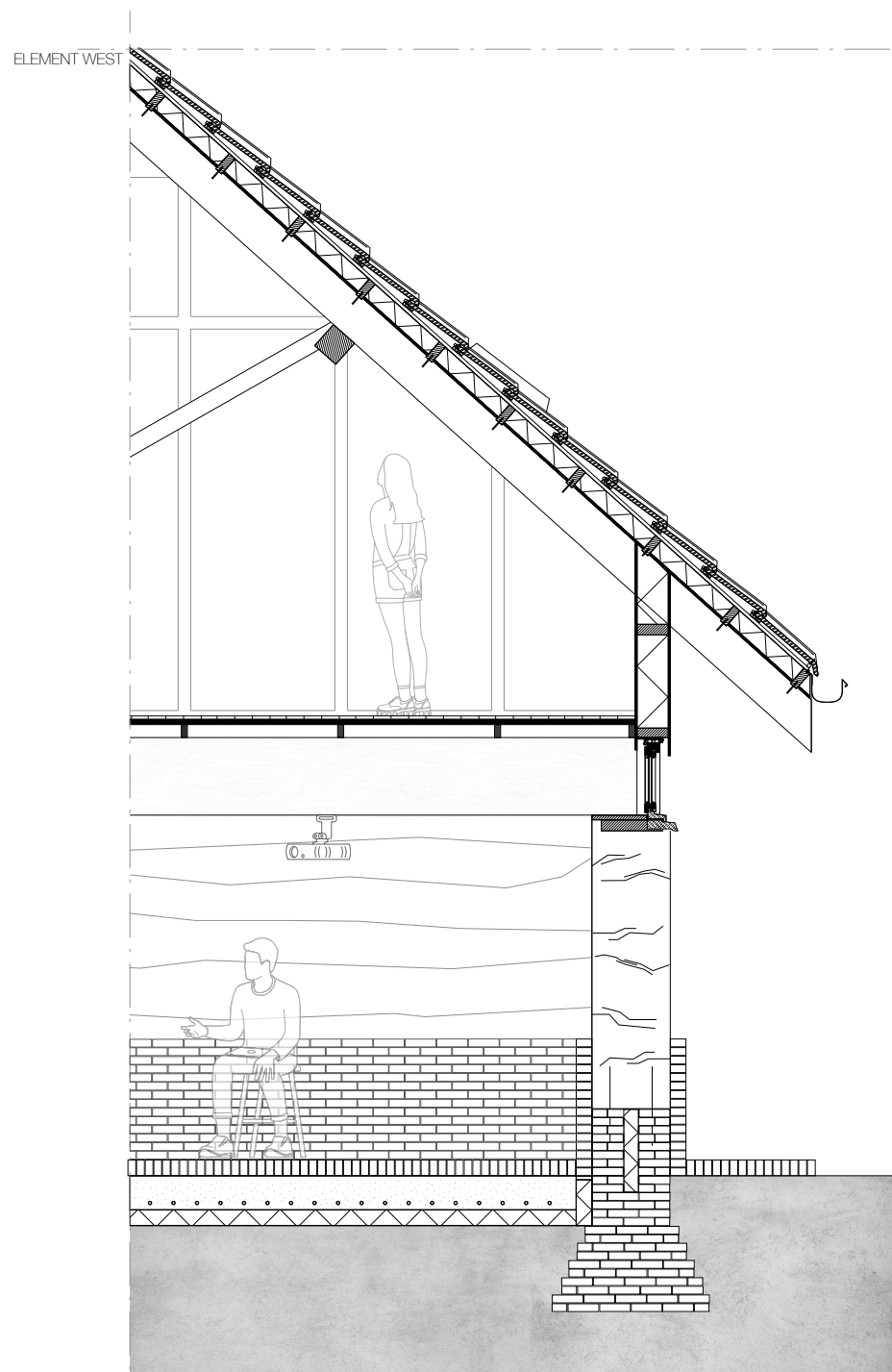
FACADE ELEMENT WEST



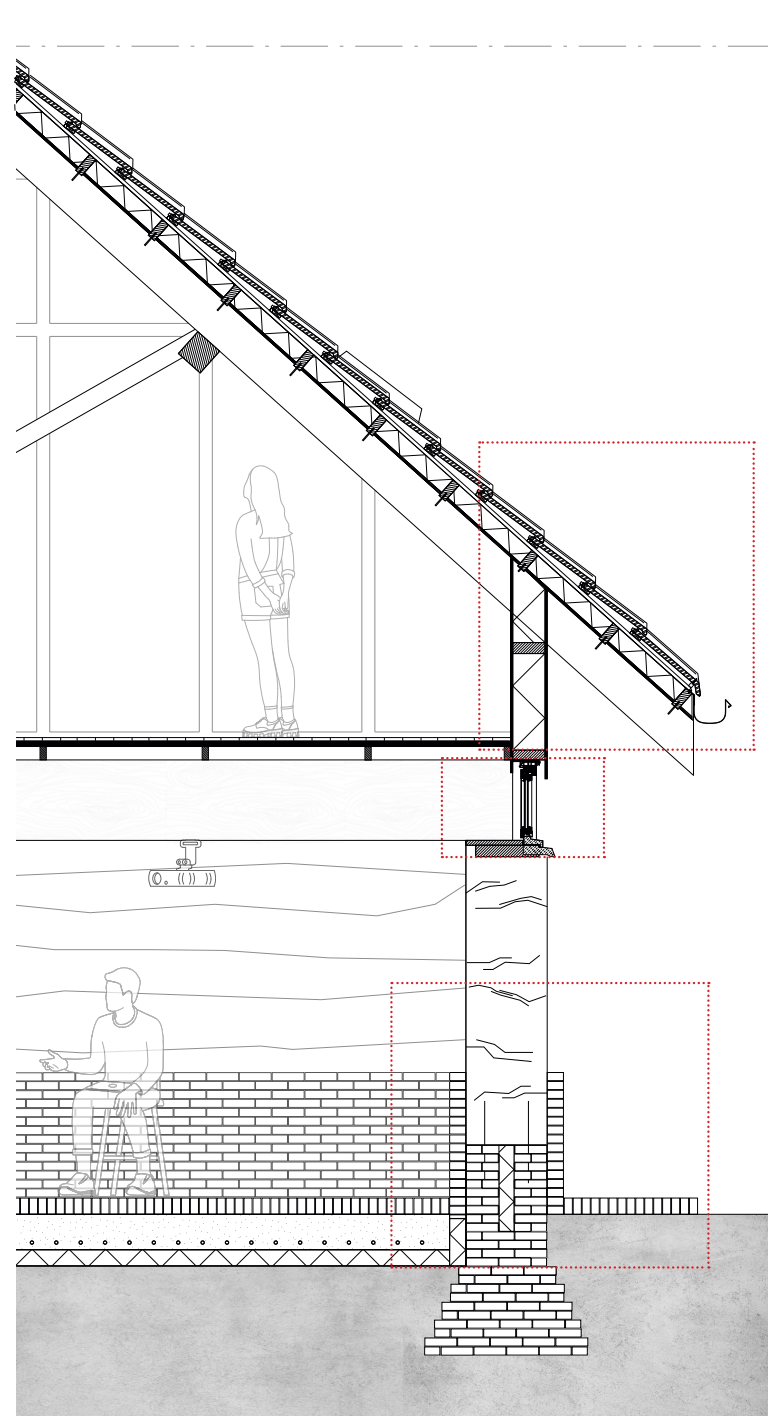
MATERIALITY OF FACADE UP CLOSE



FACADE ELEMENT EAST
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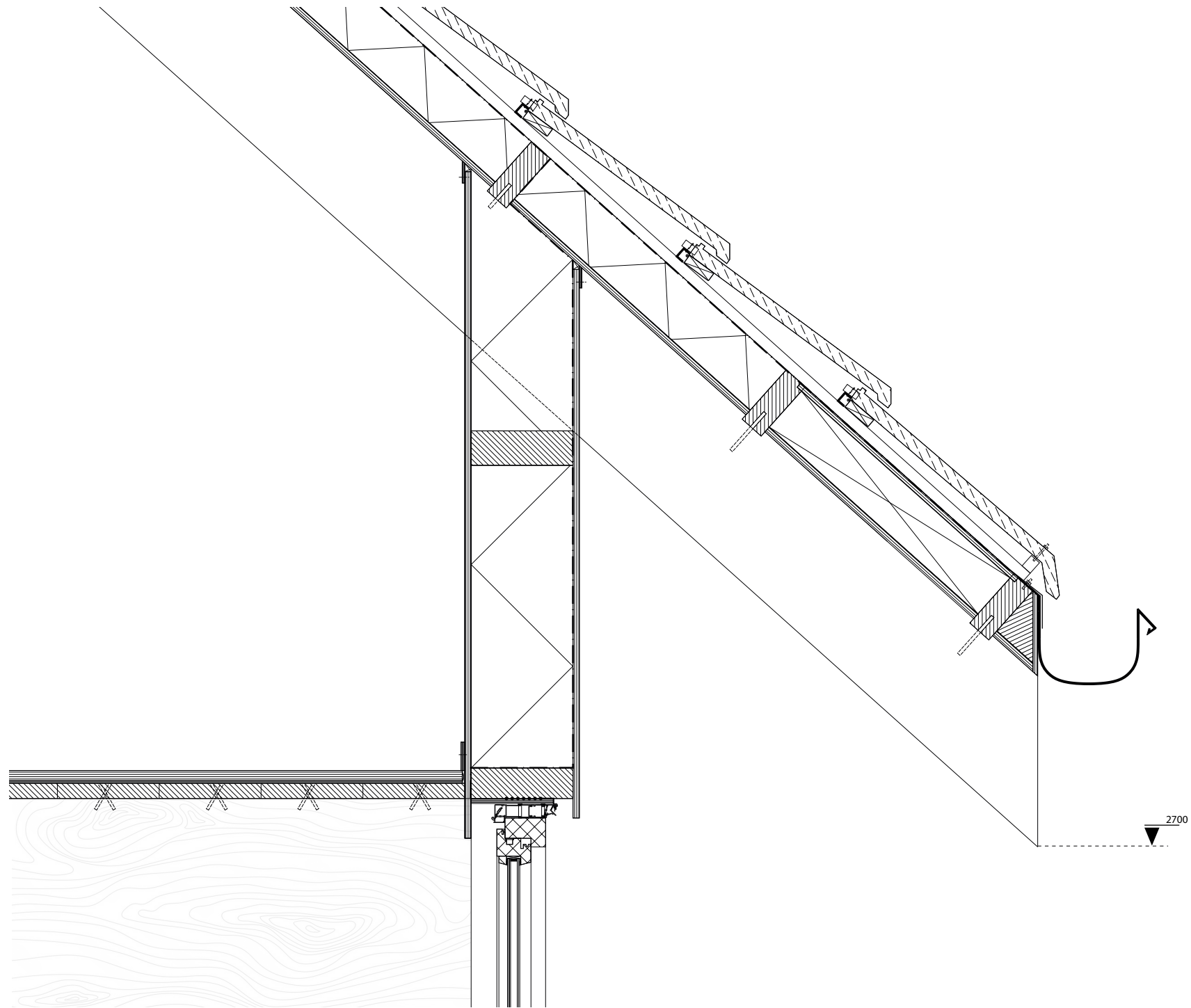


FACADE ELEMENT WEST
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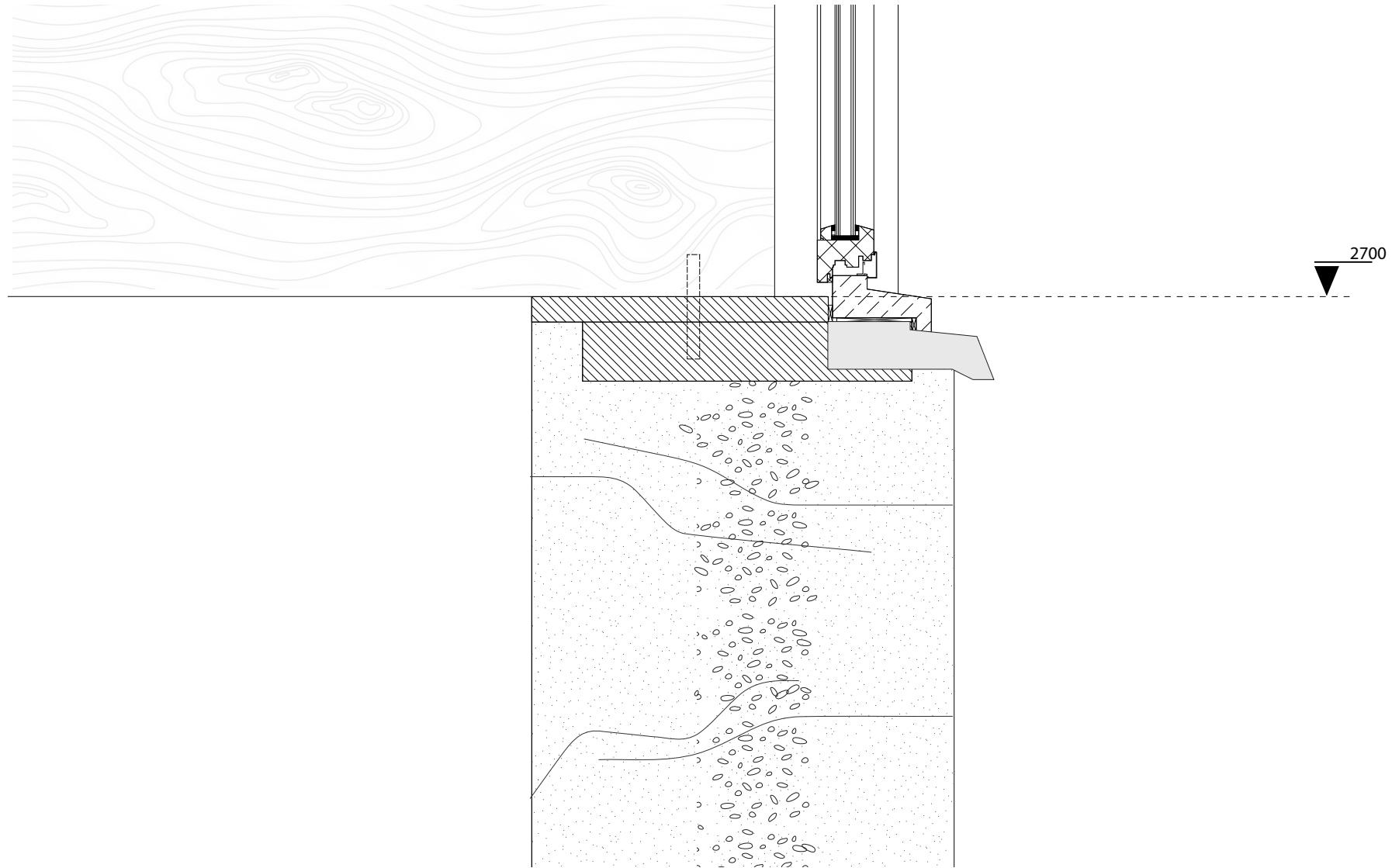


LOCATION DETAILS

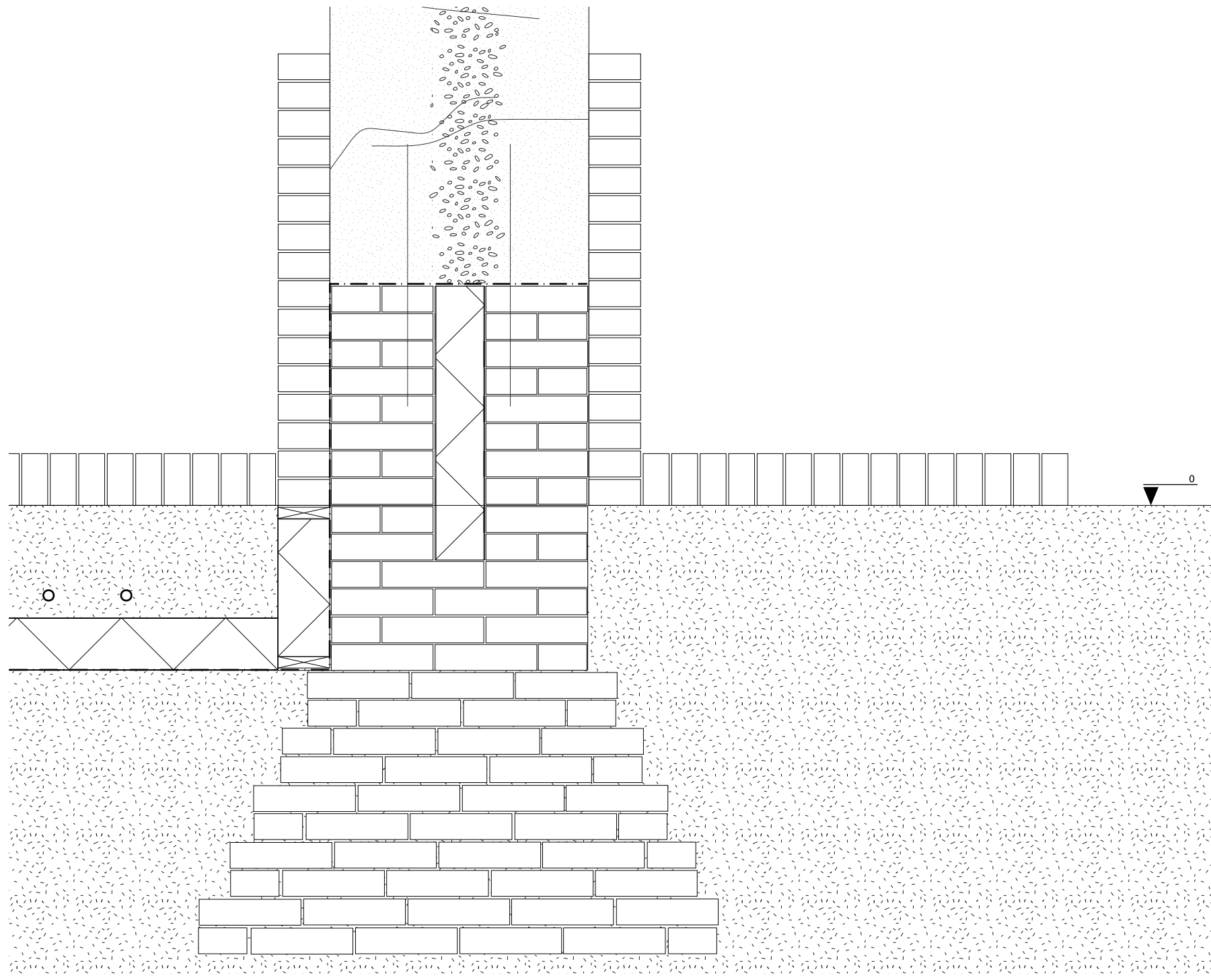
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DETAIL GUTTER
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DETAIL WINDOW SILL
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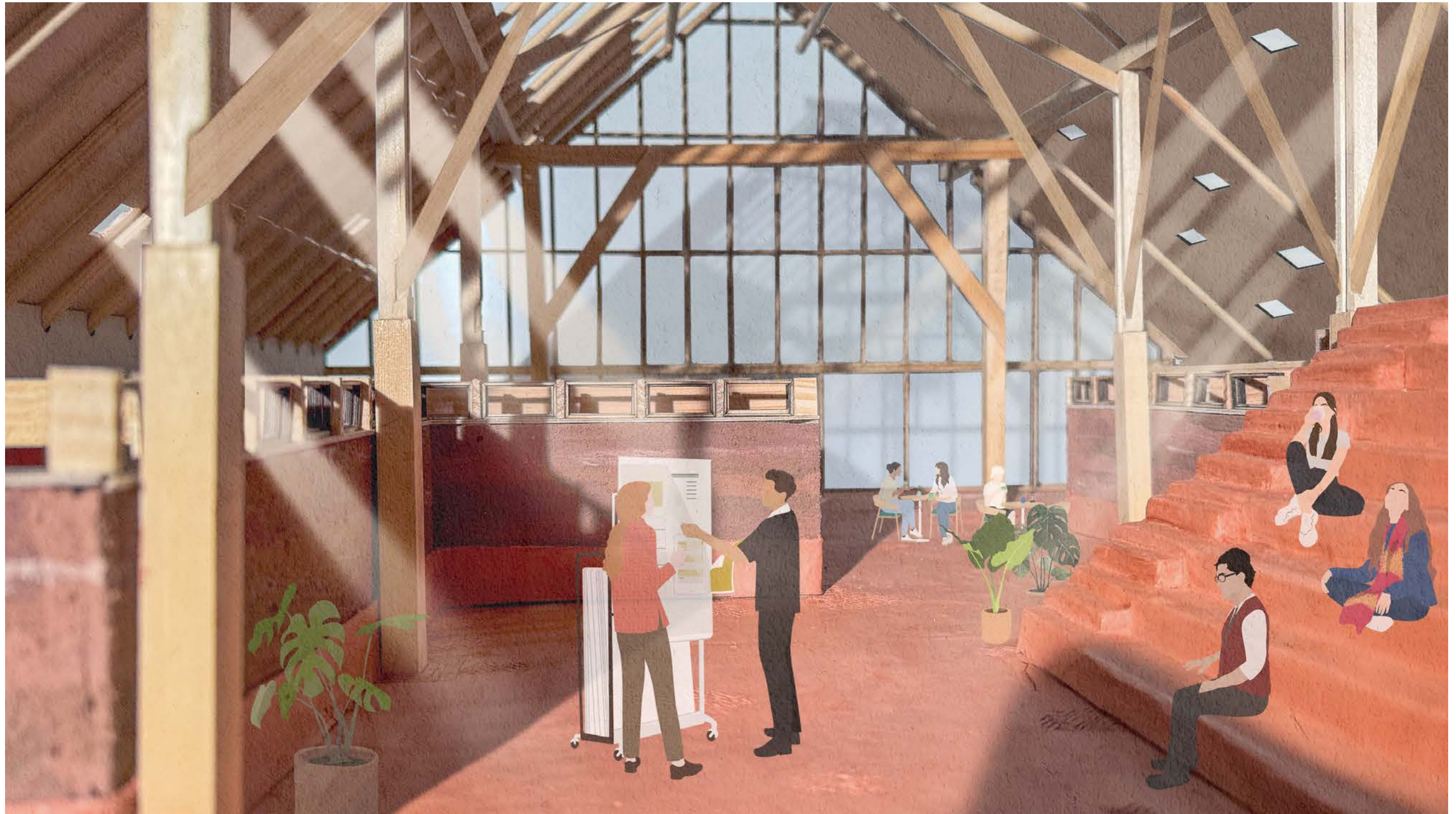
DETAIL FACADE

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CLASS ROOM
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LECTURE HALL
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RELEVANCE

