



M U U S I K L O O S T R I

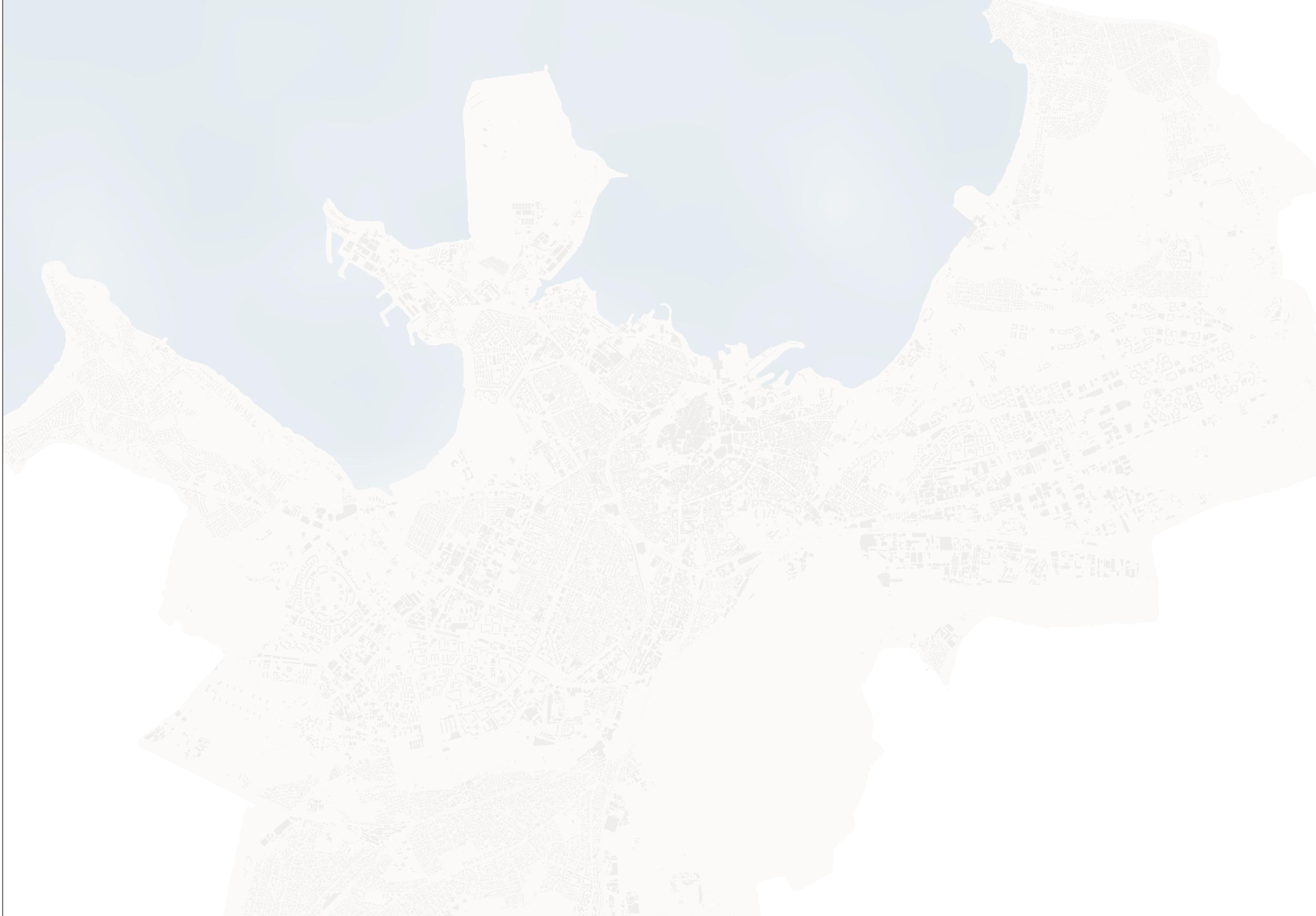
Designing with a Ruin
June 21st 2024

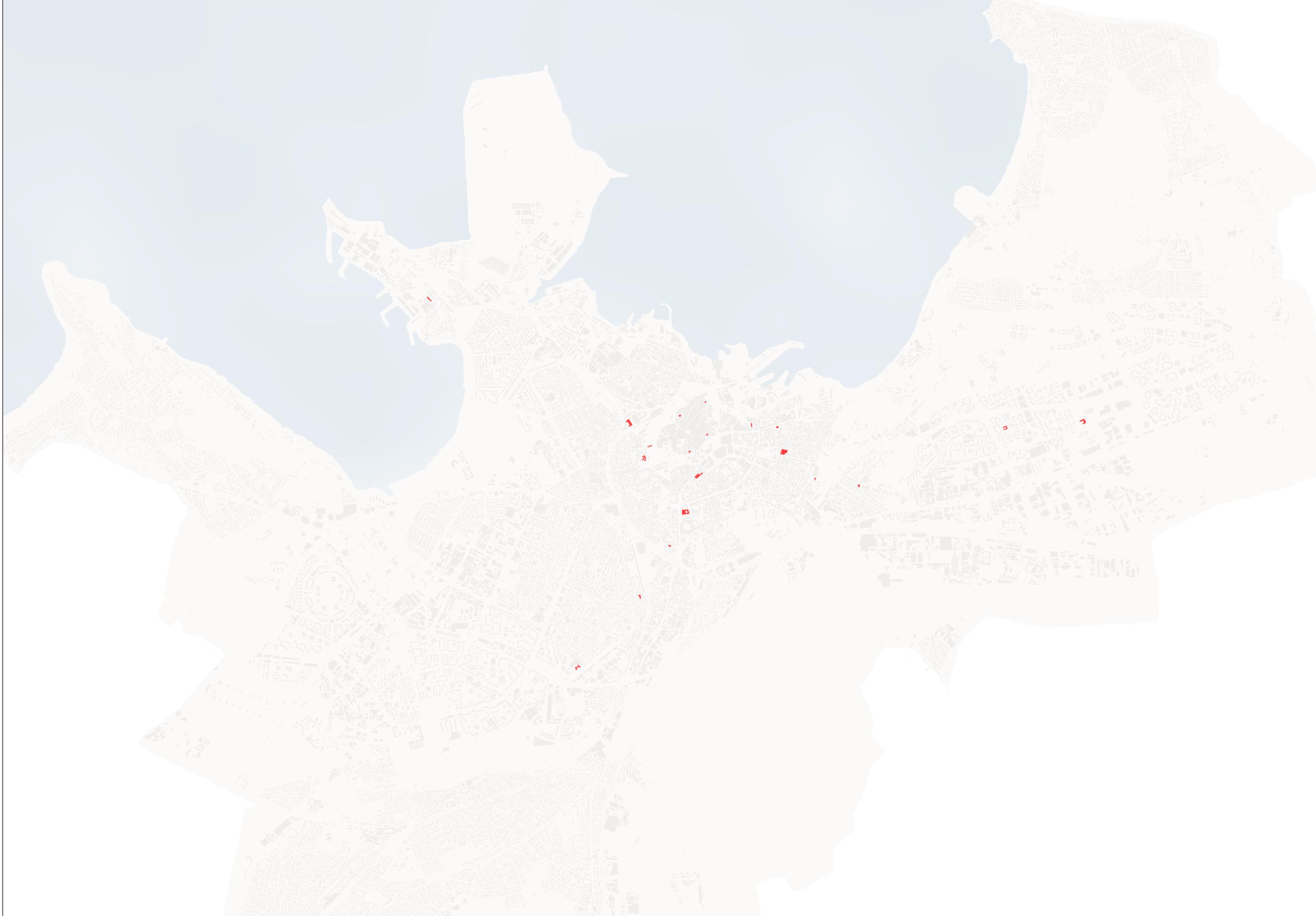
A Matter of Scale
Methods of Analysis and Imagination
MSc Architecture
TU Delft

Sam Knuif
5638100

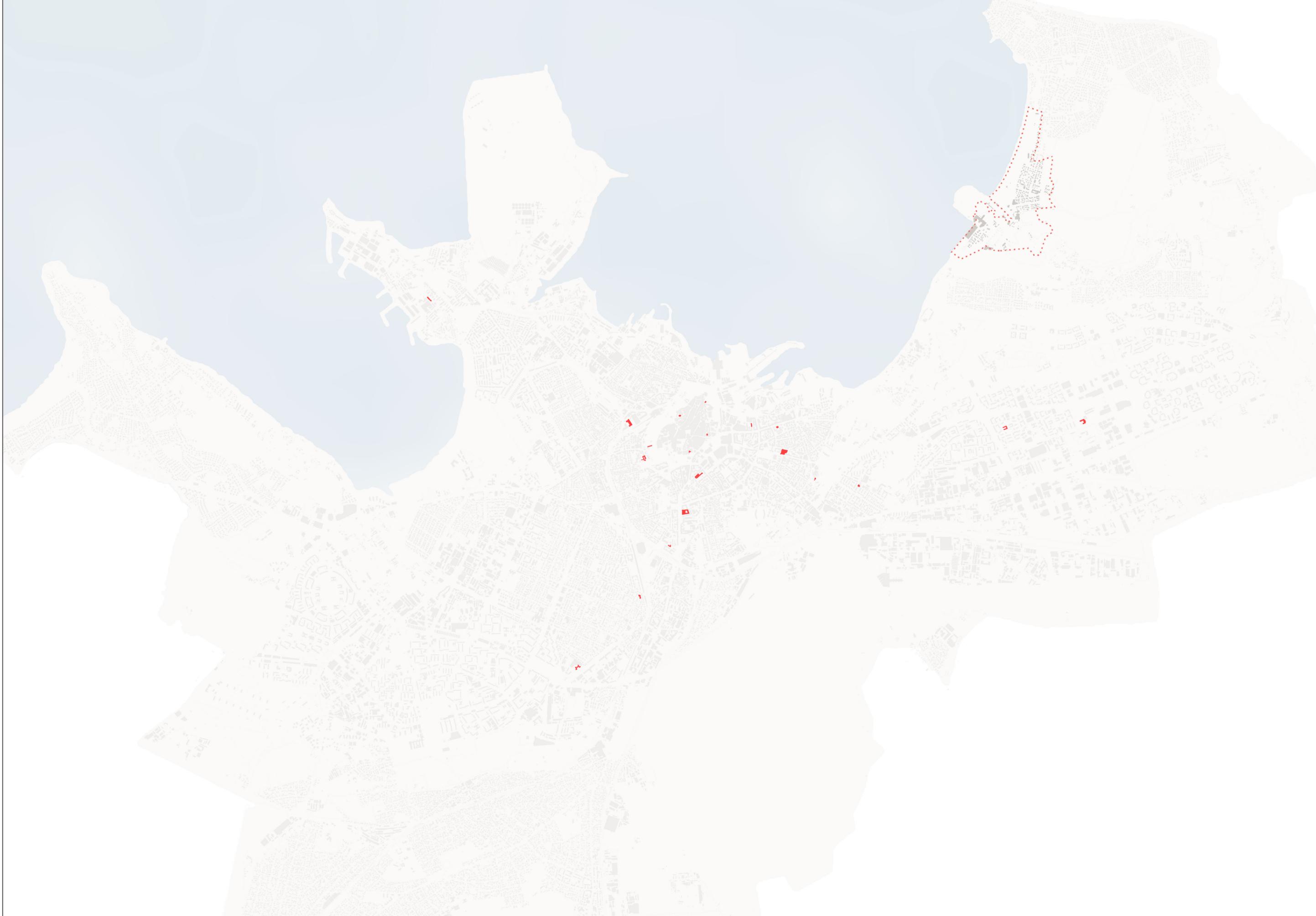


LOCATION

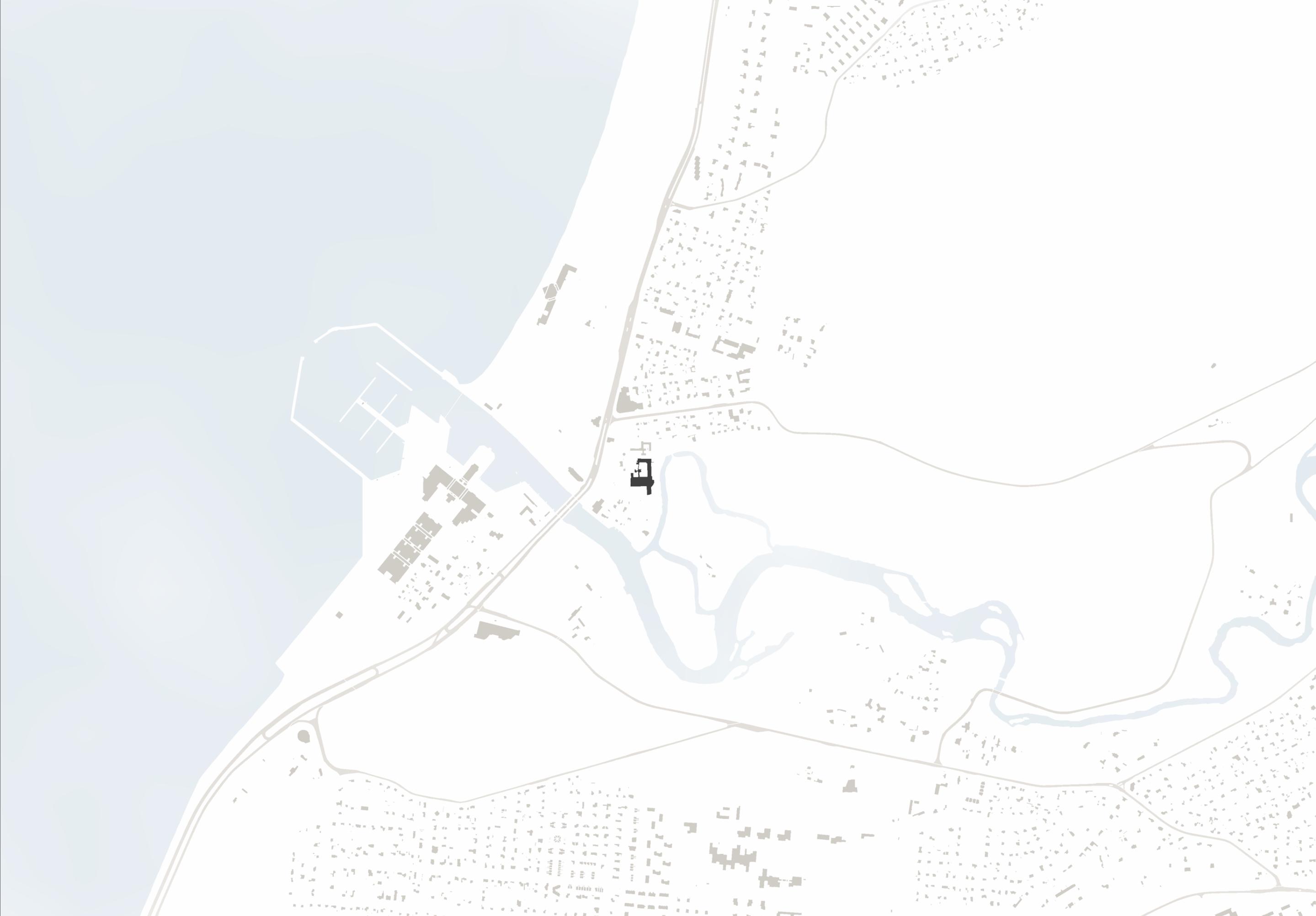


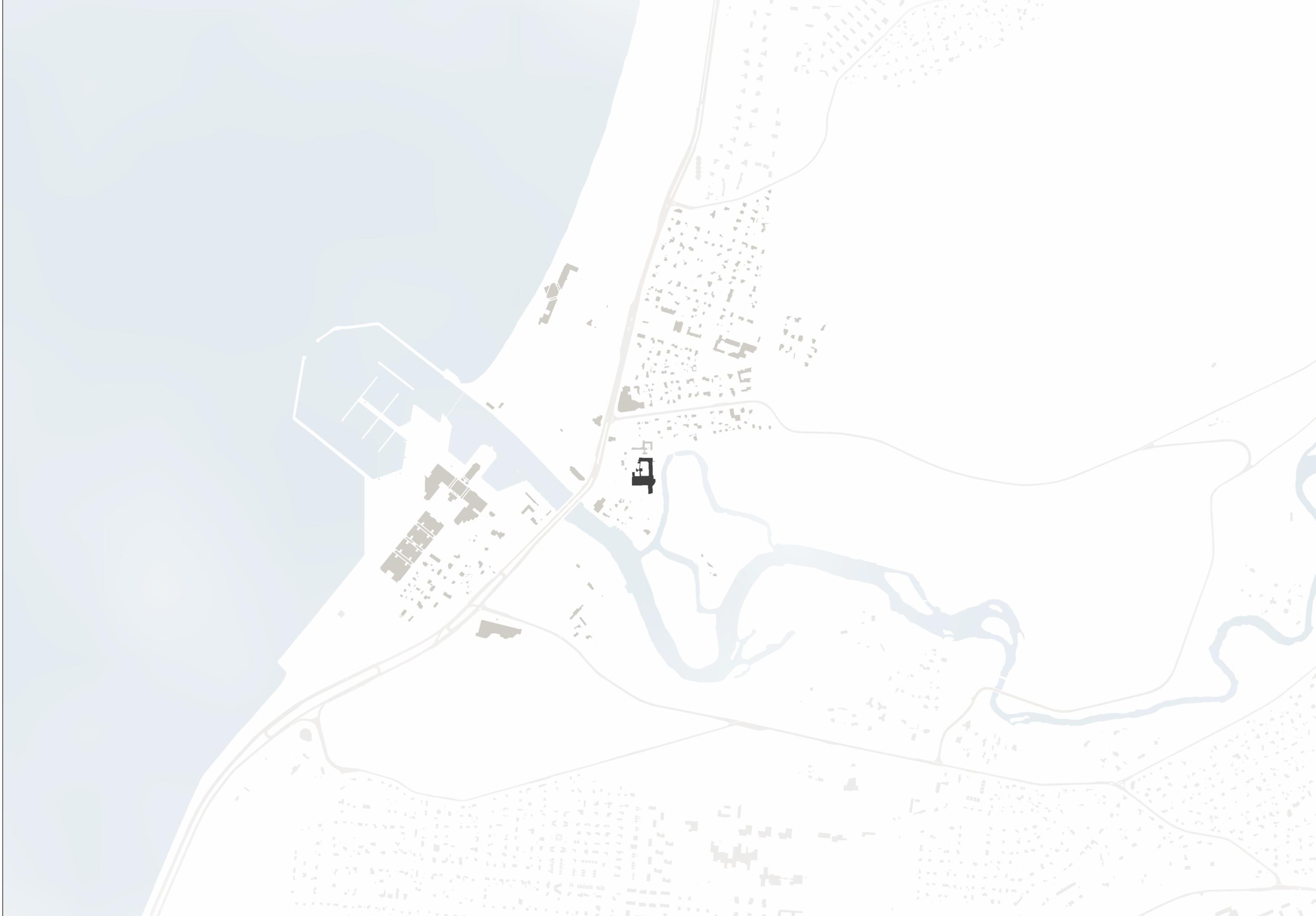


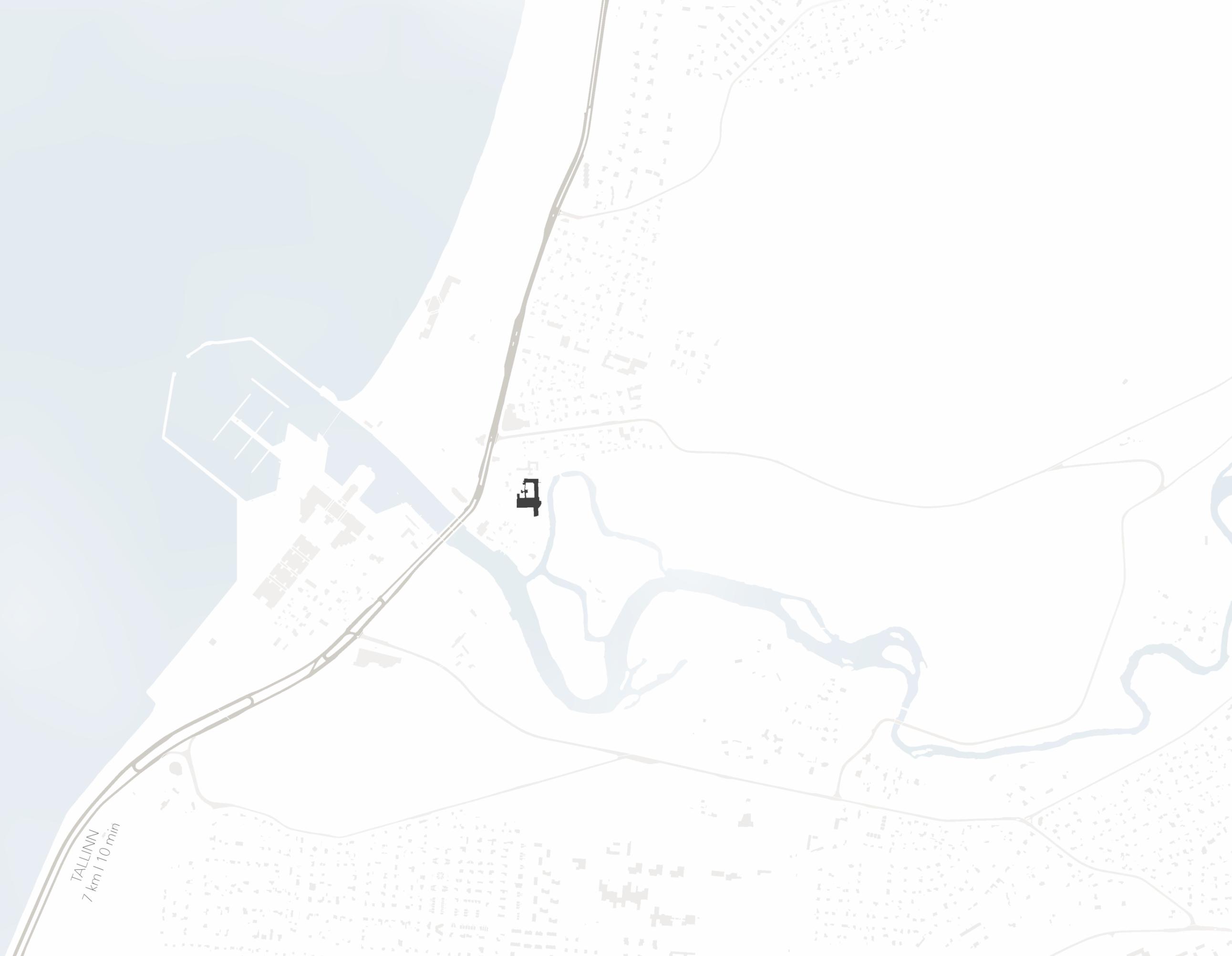












TALLINN
7 km | 10 min

PIRITA TEE





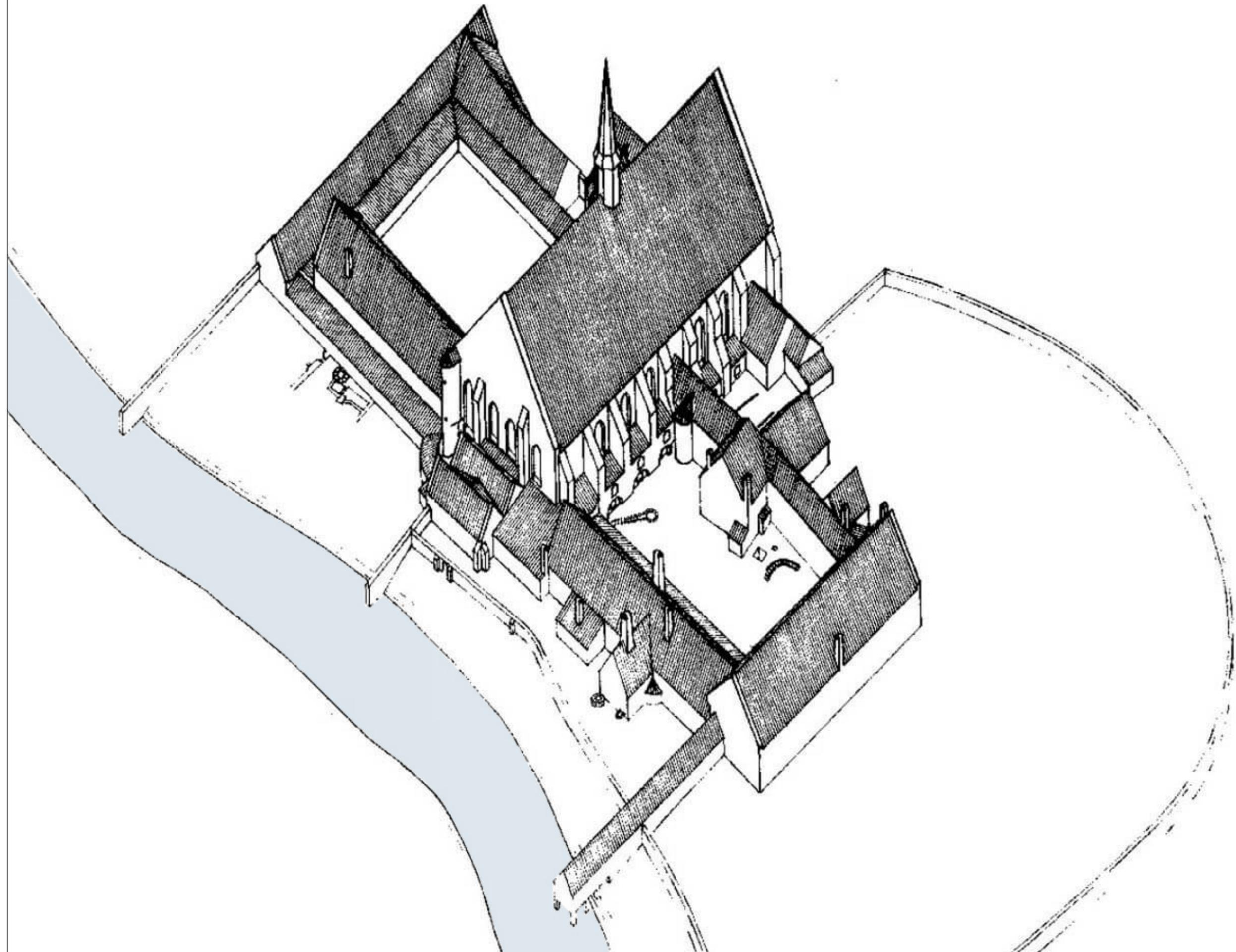


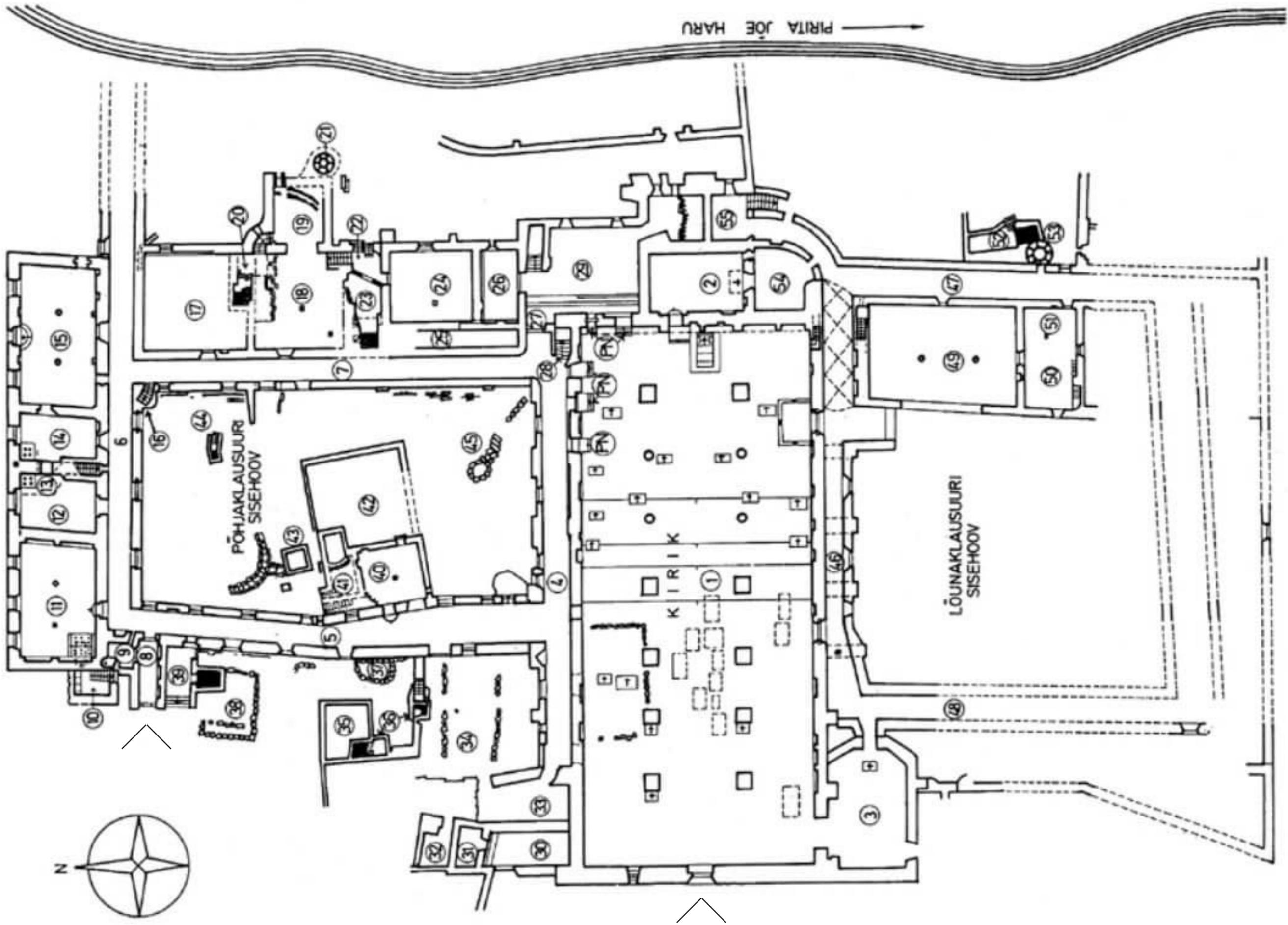


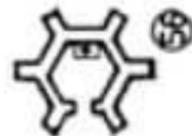
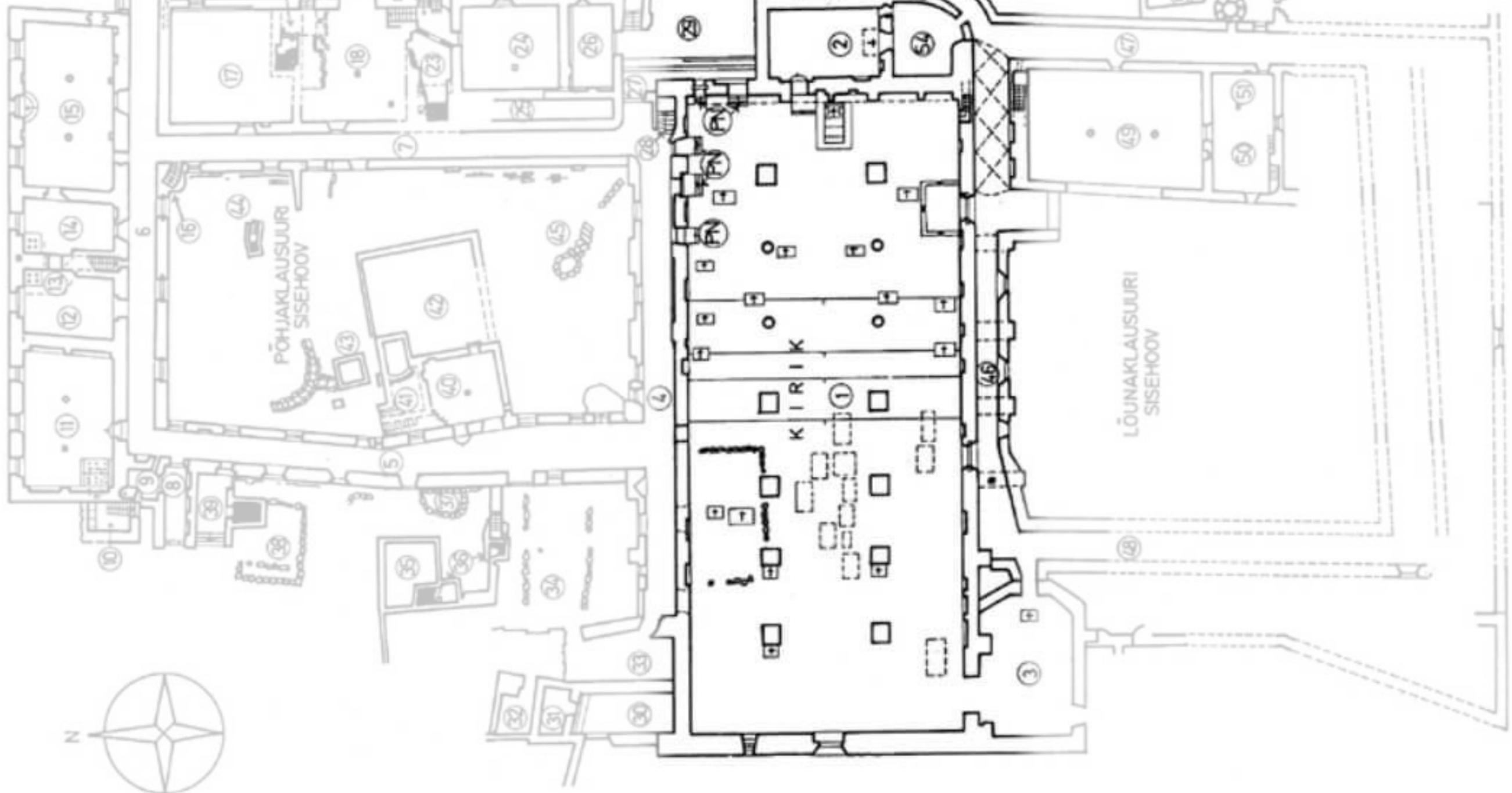




BUILDING







THE CHURCH

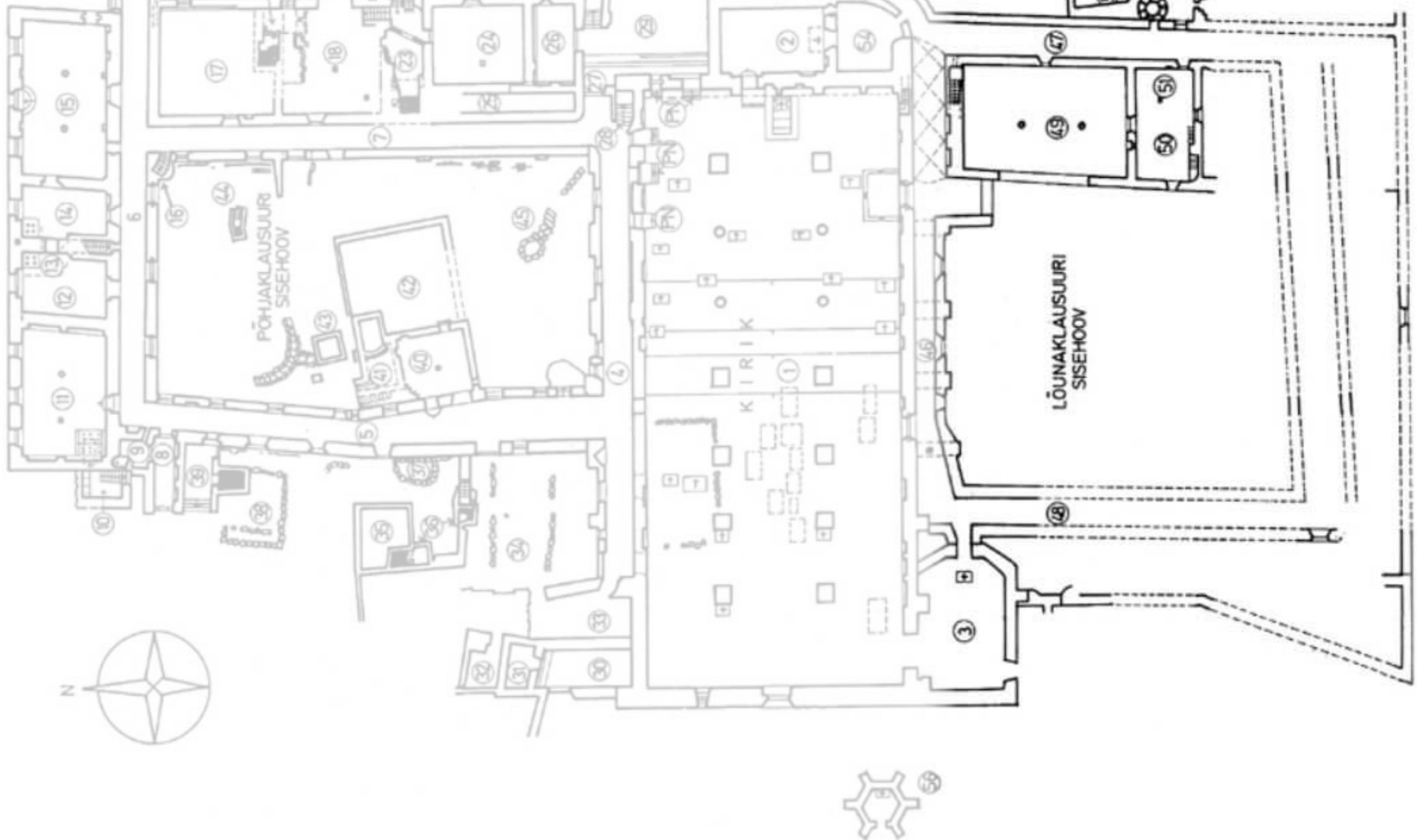
An intriguing landmark.

30 THE HISTORY OF CONSTRUCTING PIRITA CONVENT



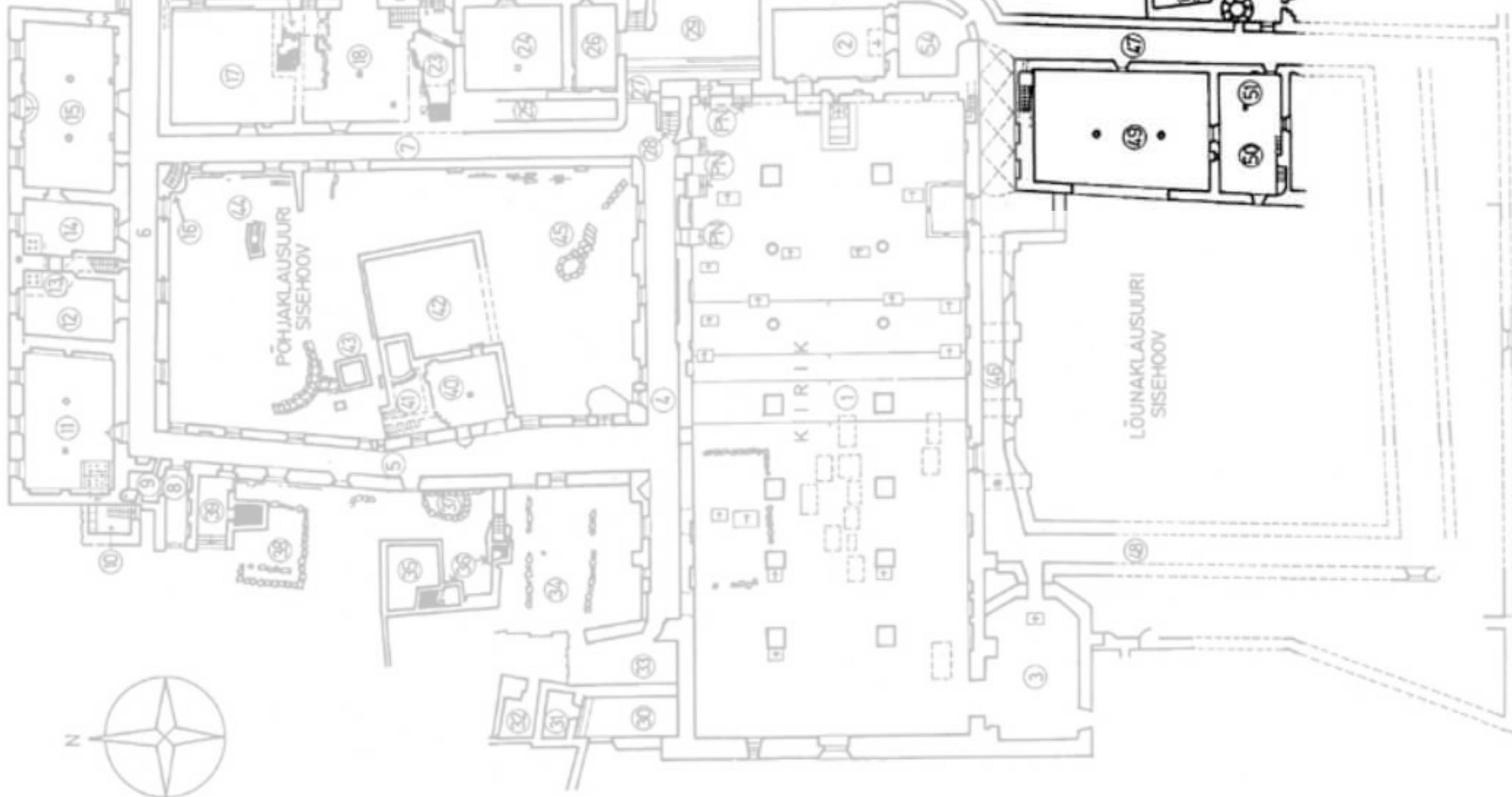






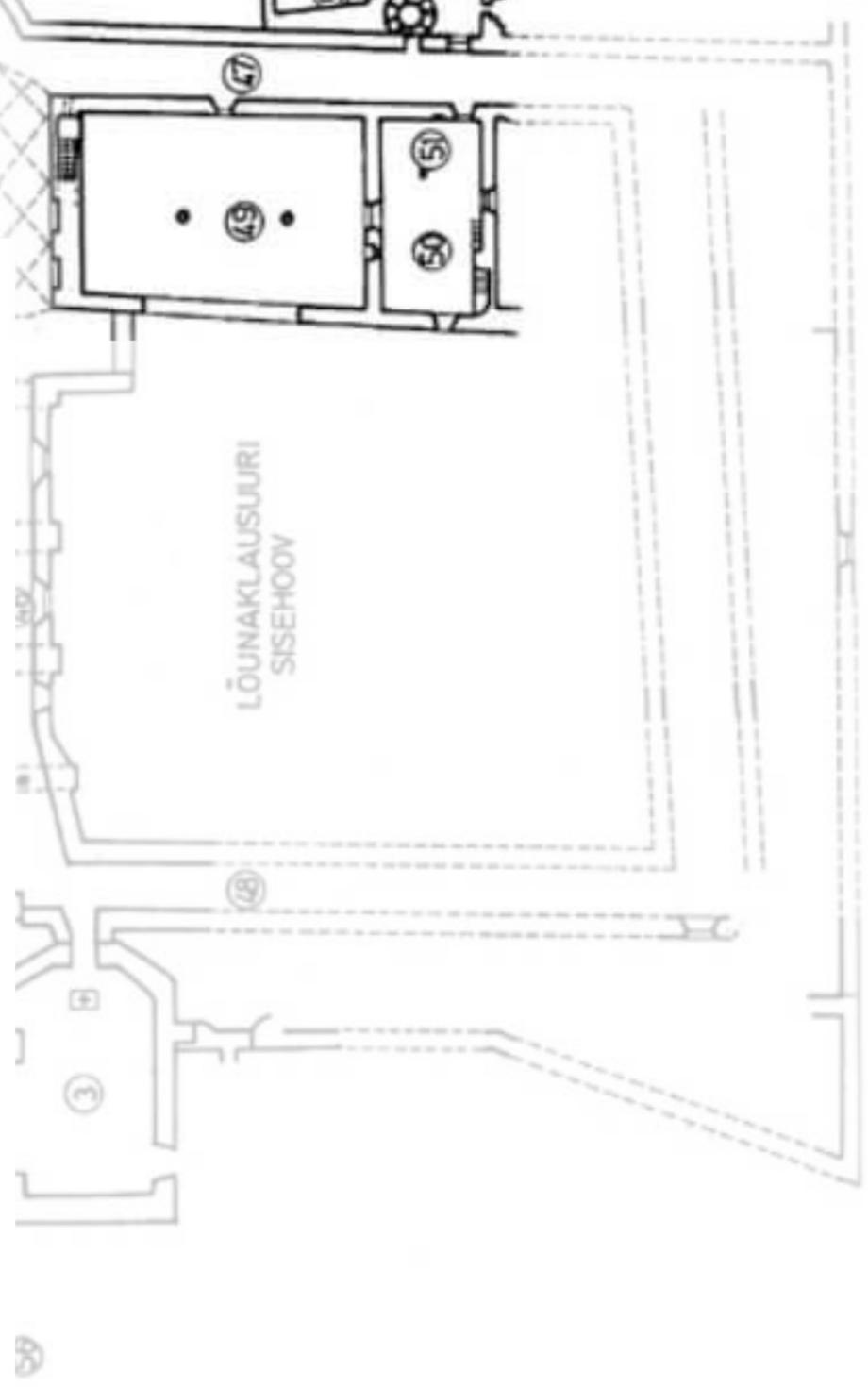
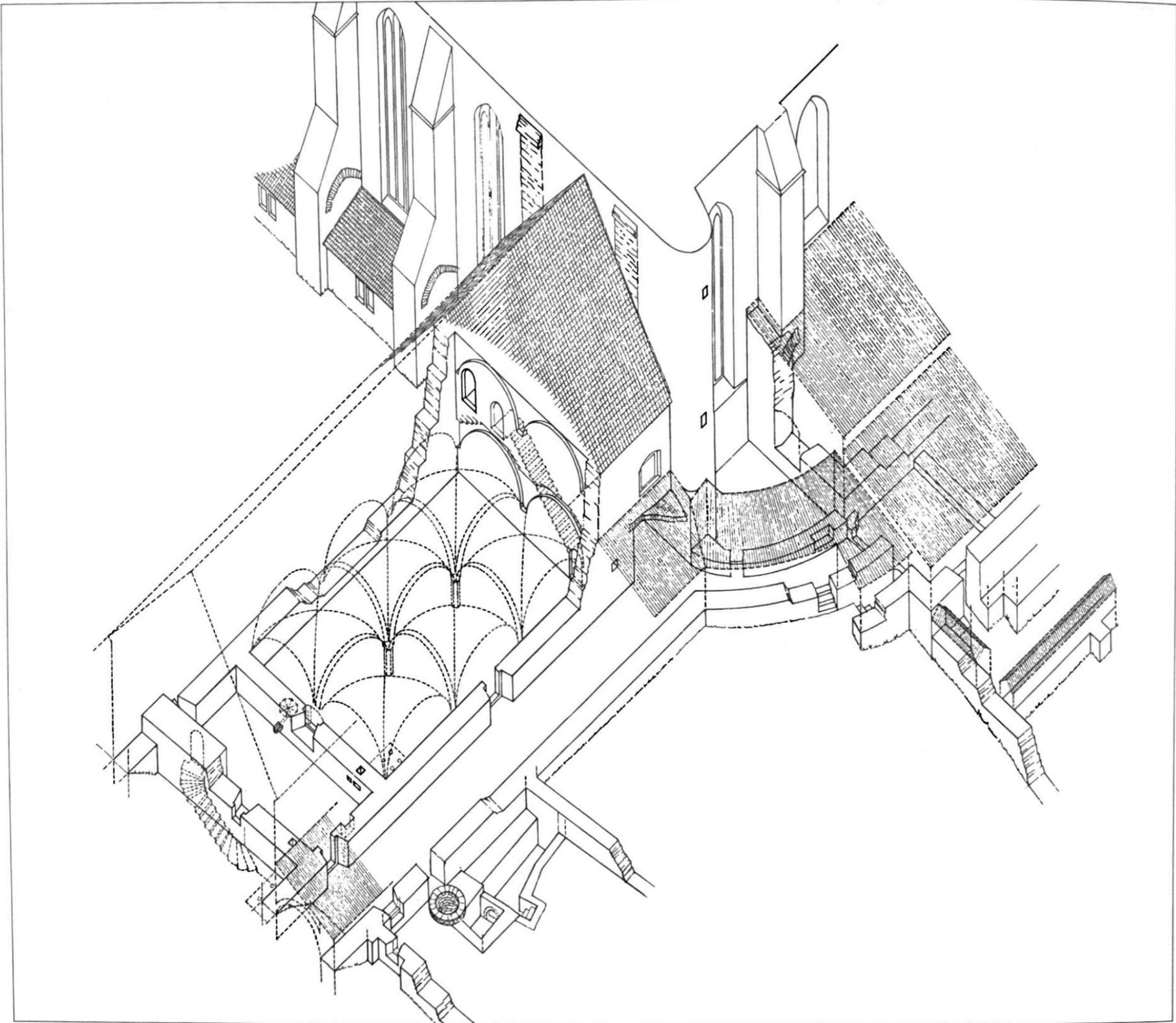
MONK'S QUARTER

South range.



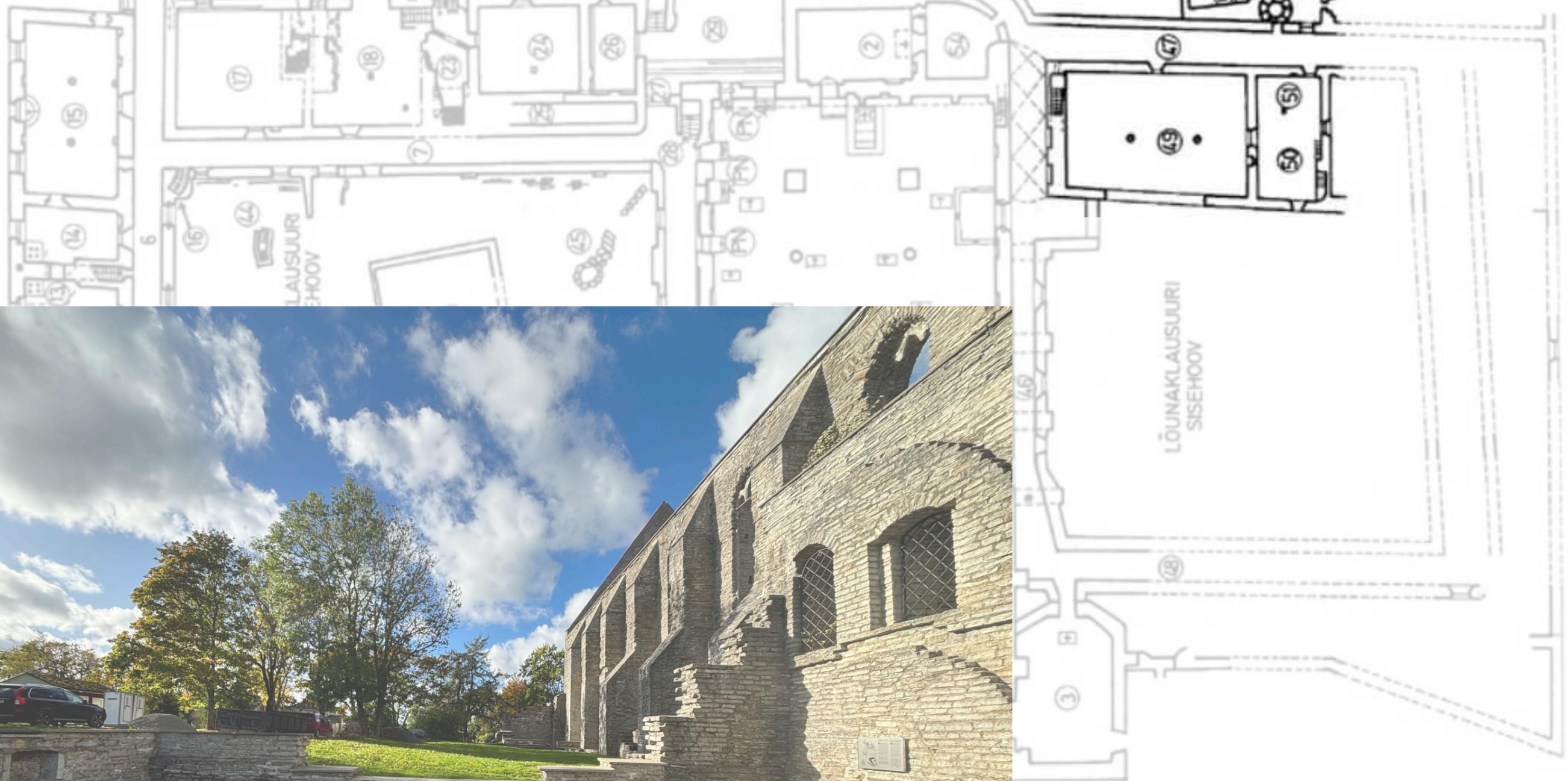
DINING HALL

Monk's quarter.



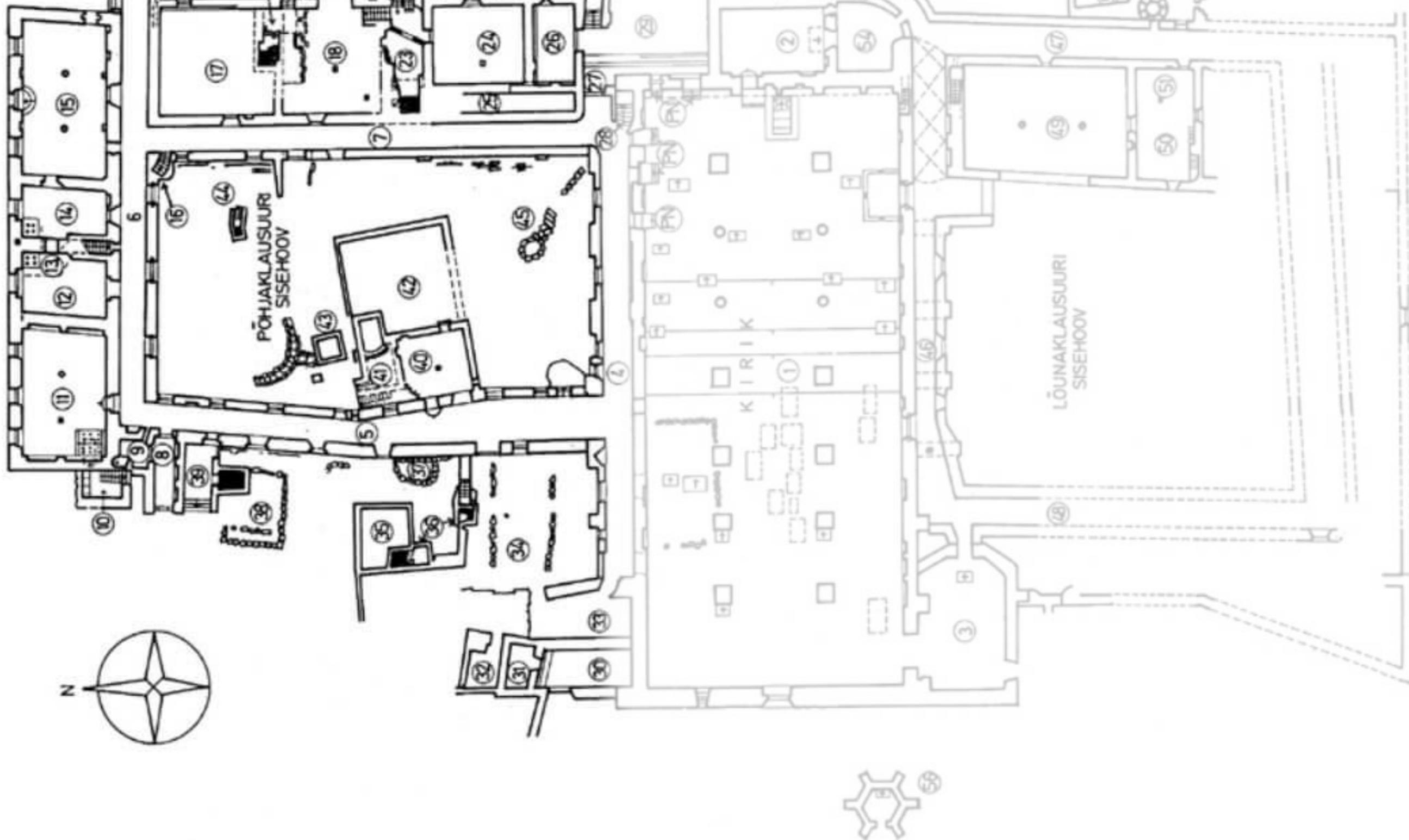
DINING HALL

Monk's quarter.



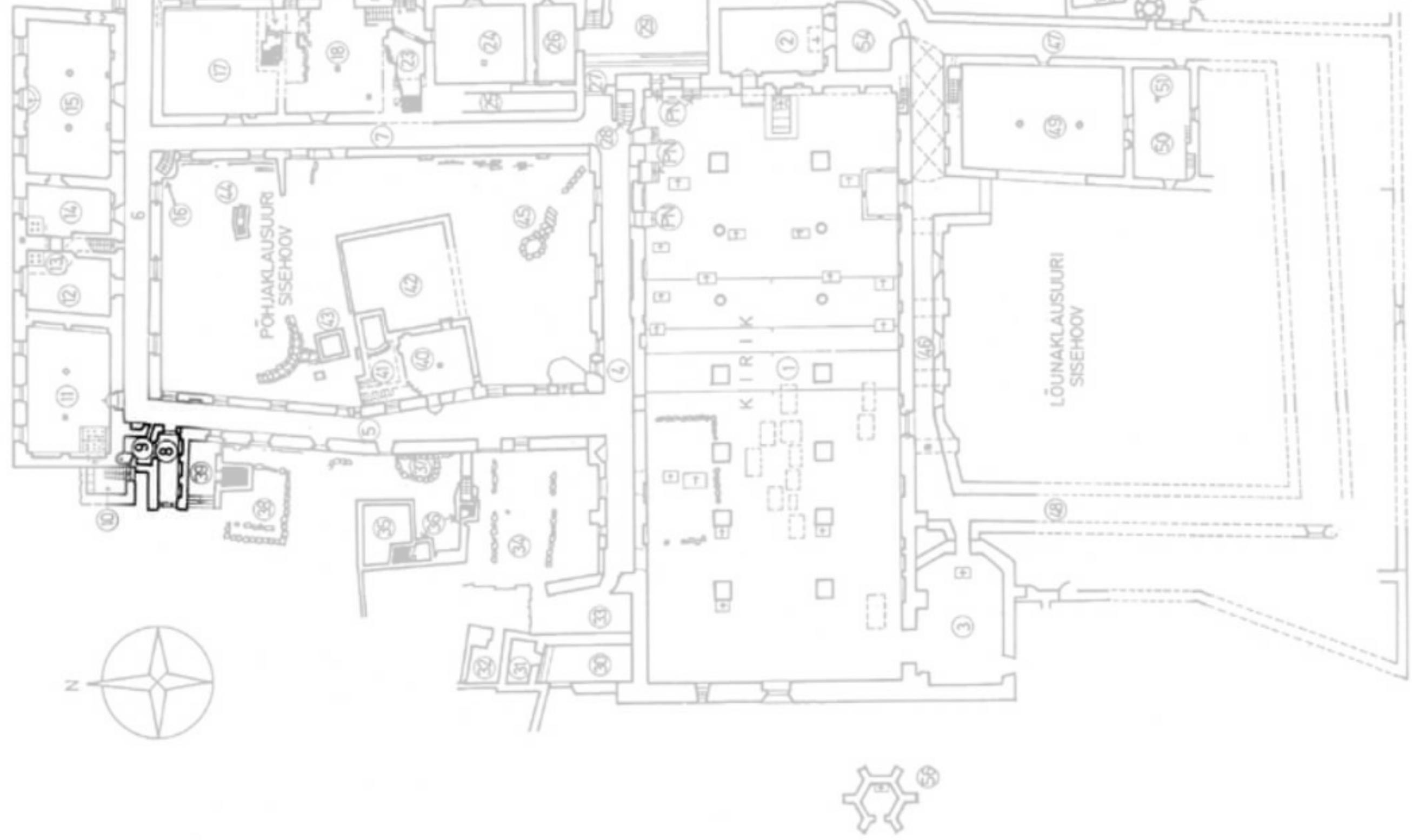
DINING HALL

Monk's quarter.



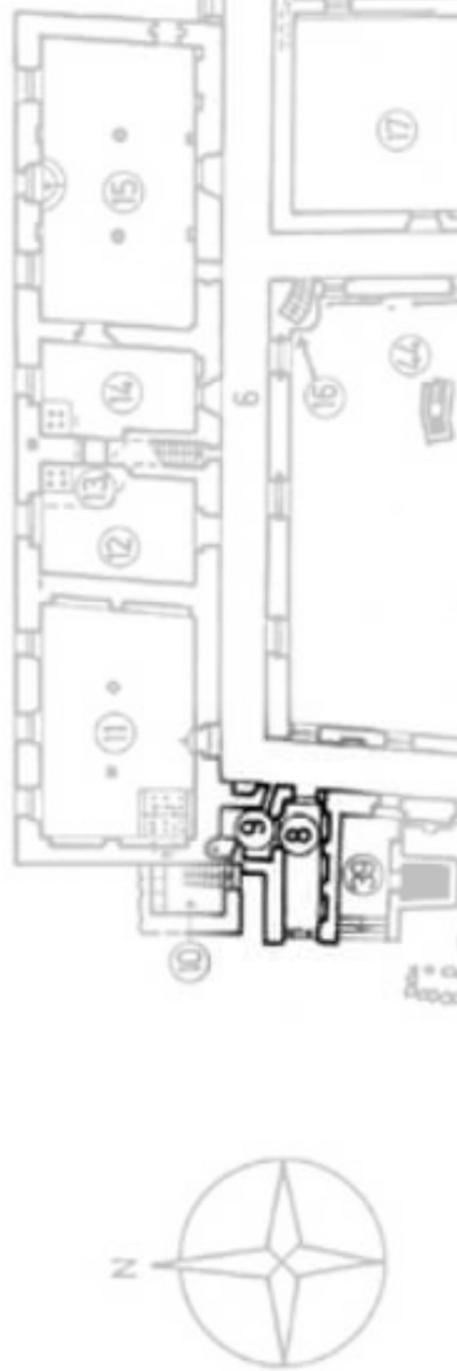
SISTERS' QUARTER

North range.



MAIN ENTRANCE

Sisters' quarter.



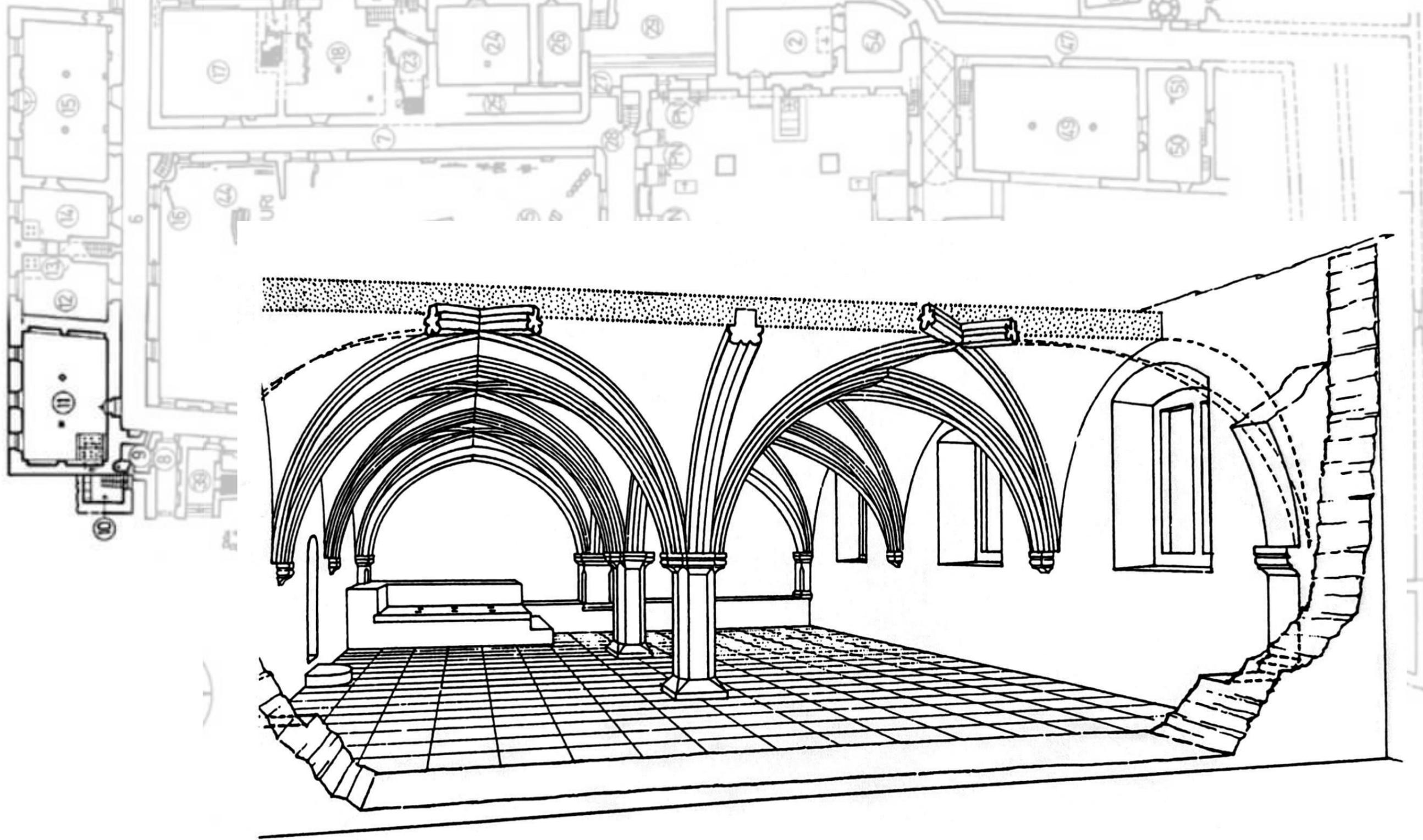
MAIN ENTRANCE

Sisters' quarter.



CHAPTER HOUSE

Sisters' quarter.



CHAPTER HOUSE

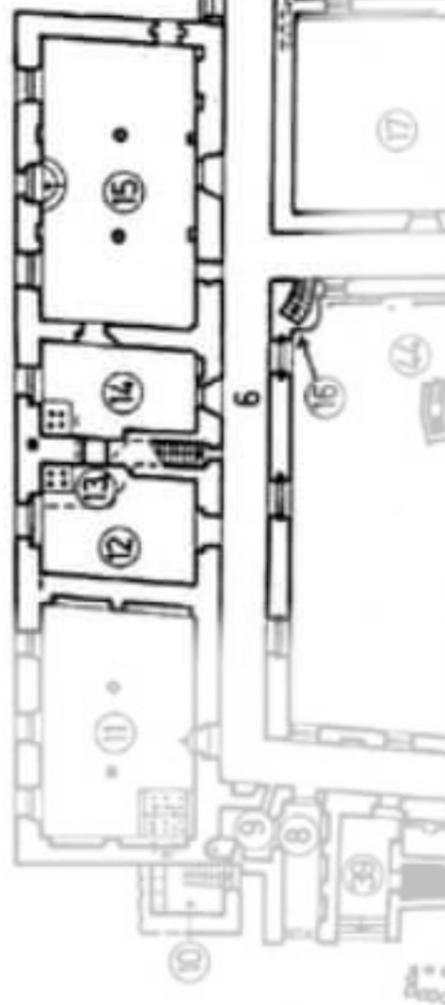
Sisters' quarter.



DINING HALLS

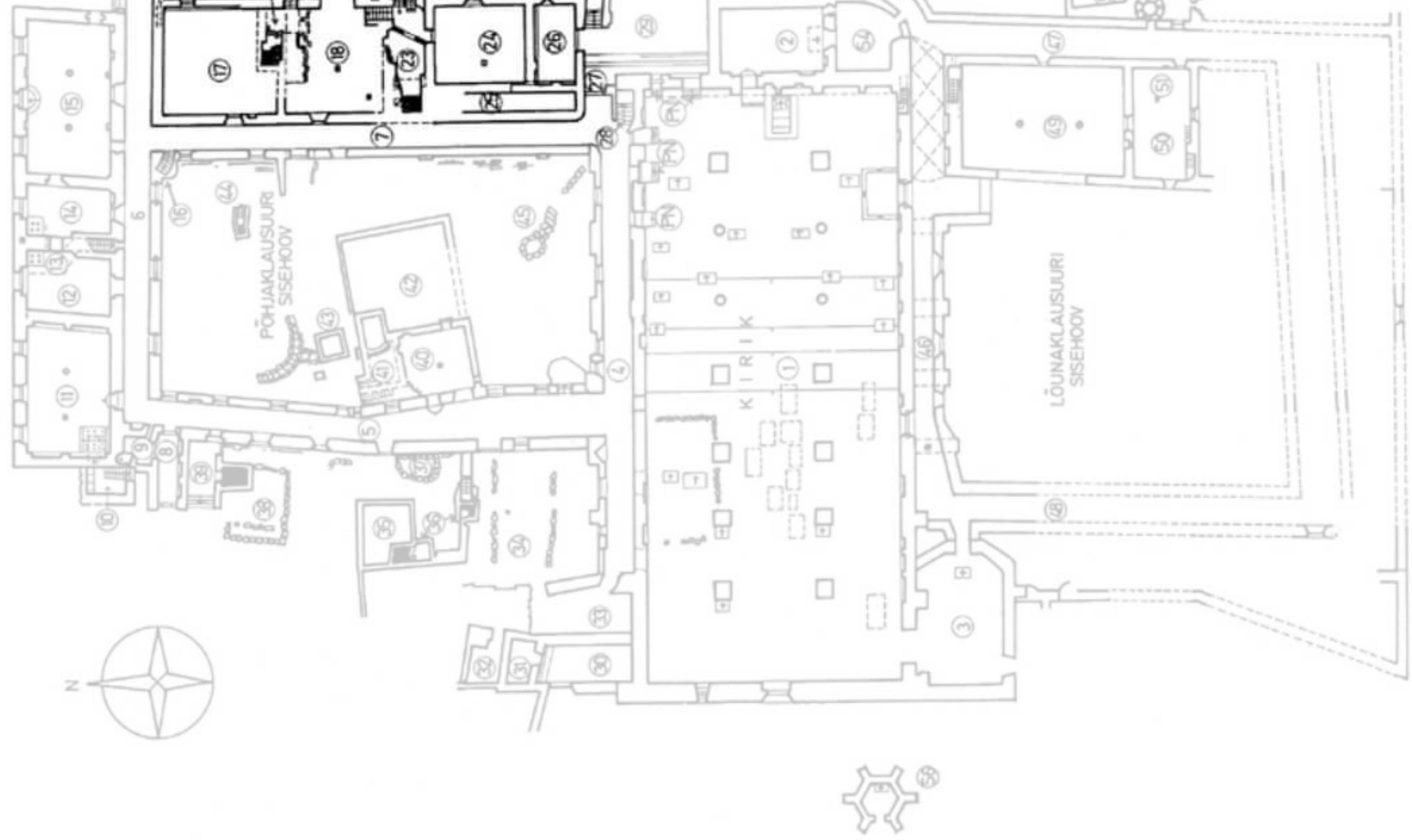
HALLS

Sisters' quarter.



DINING HALLS

Sisters' quarter.



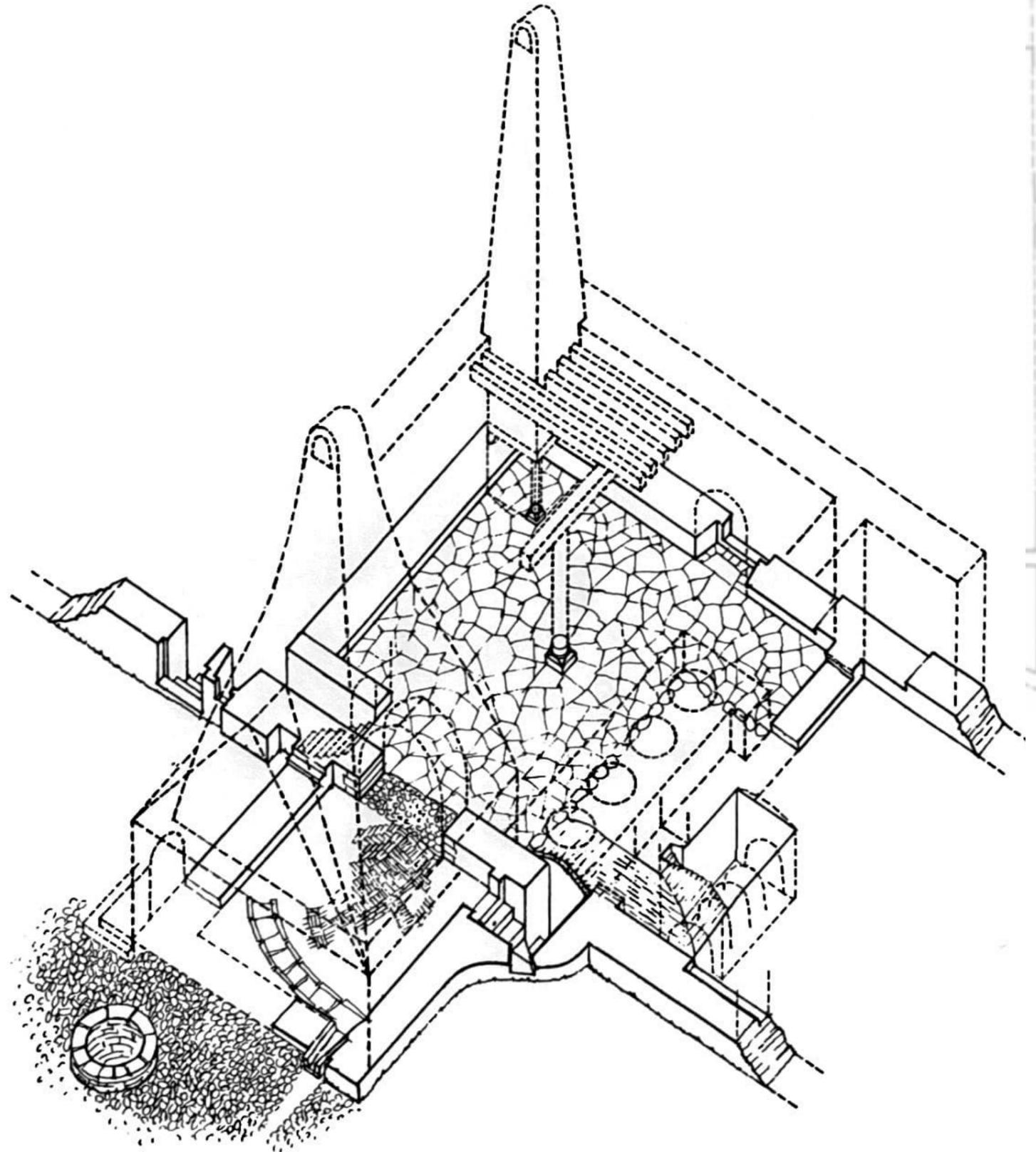
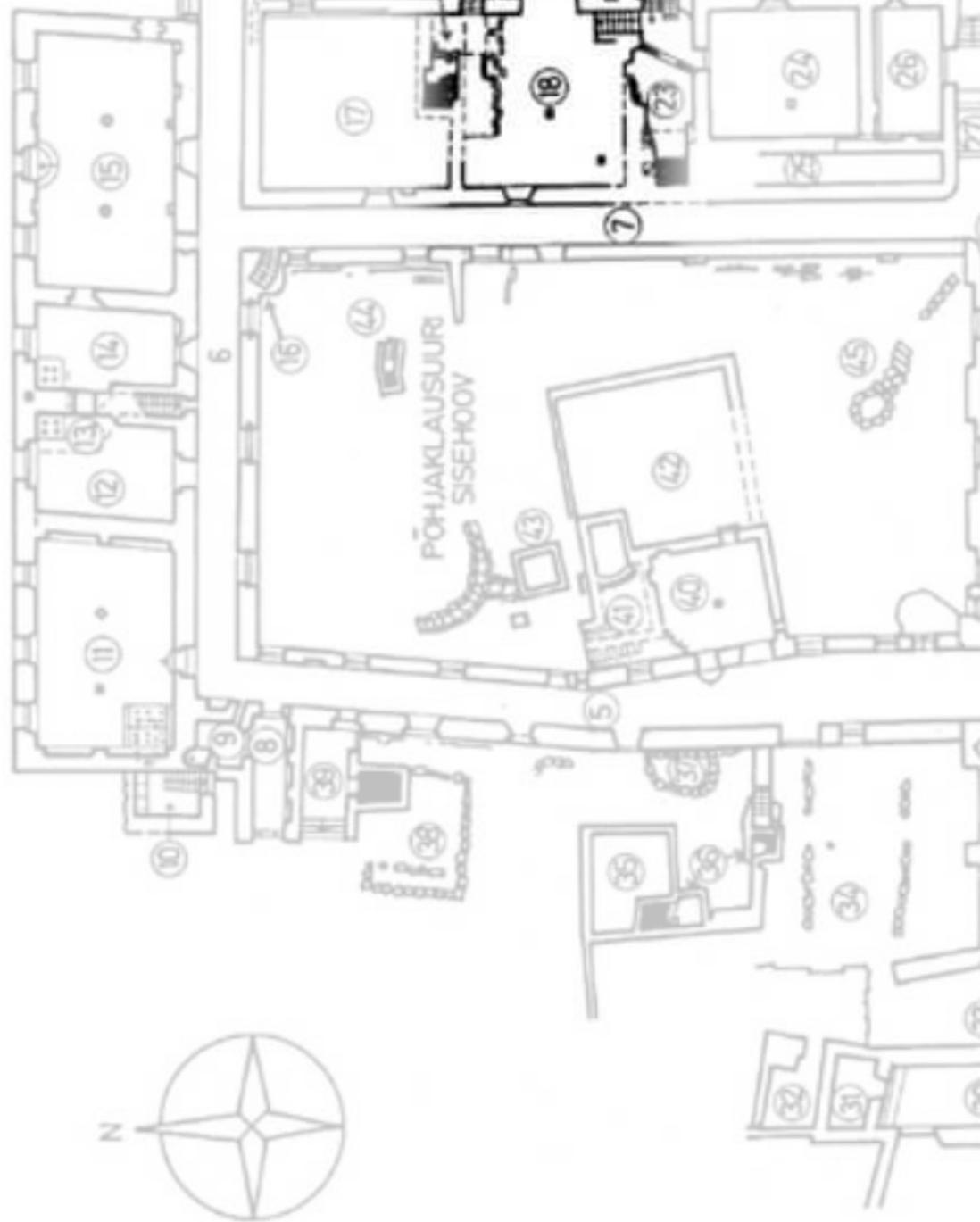
SERVICE ROOMS

Sisters' quarter.



NUNS' WORKROOM

Sisters' quarter.



KITCHEN

Sisters' quarter.



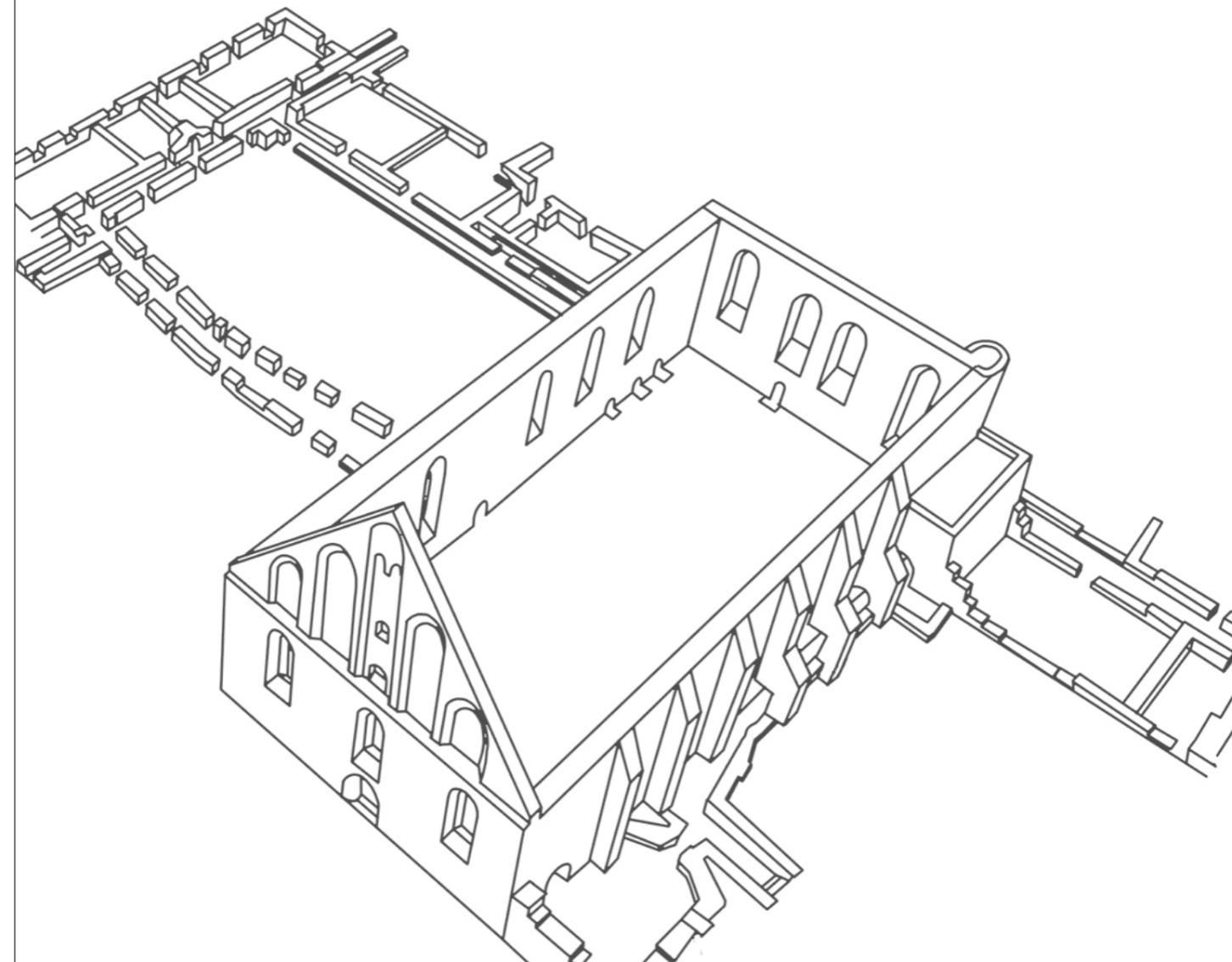




A large, ancient stone pyramid, possibly the Great Pyramid of Giza, is the central focus of the image. The pyramid is constructed from light-colored, textured stone blocks. It features several small, dark, rectangular openings or niches along its upper slopes. In the foreground, a large, arched stone structure, likely a gateway or entrance, is visible, leading into the pyramid's interior. The sky above is a pale, hazy blue with soft, wispy white clouds. A thin, dark grid is overlaid on the entire image, creating a sense of structure and perspective. The word "FOCUS" is prominently displayed in the center of the image in a large, white, serif font. The letters are slightly transparent, allowing the texture of the pyramid to be seen through them.

FOCUS

“How can an intervention revitalize and repurpose a historical ruin to a public function while enhancing its architectural elements and ensuring its preservation?”

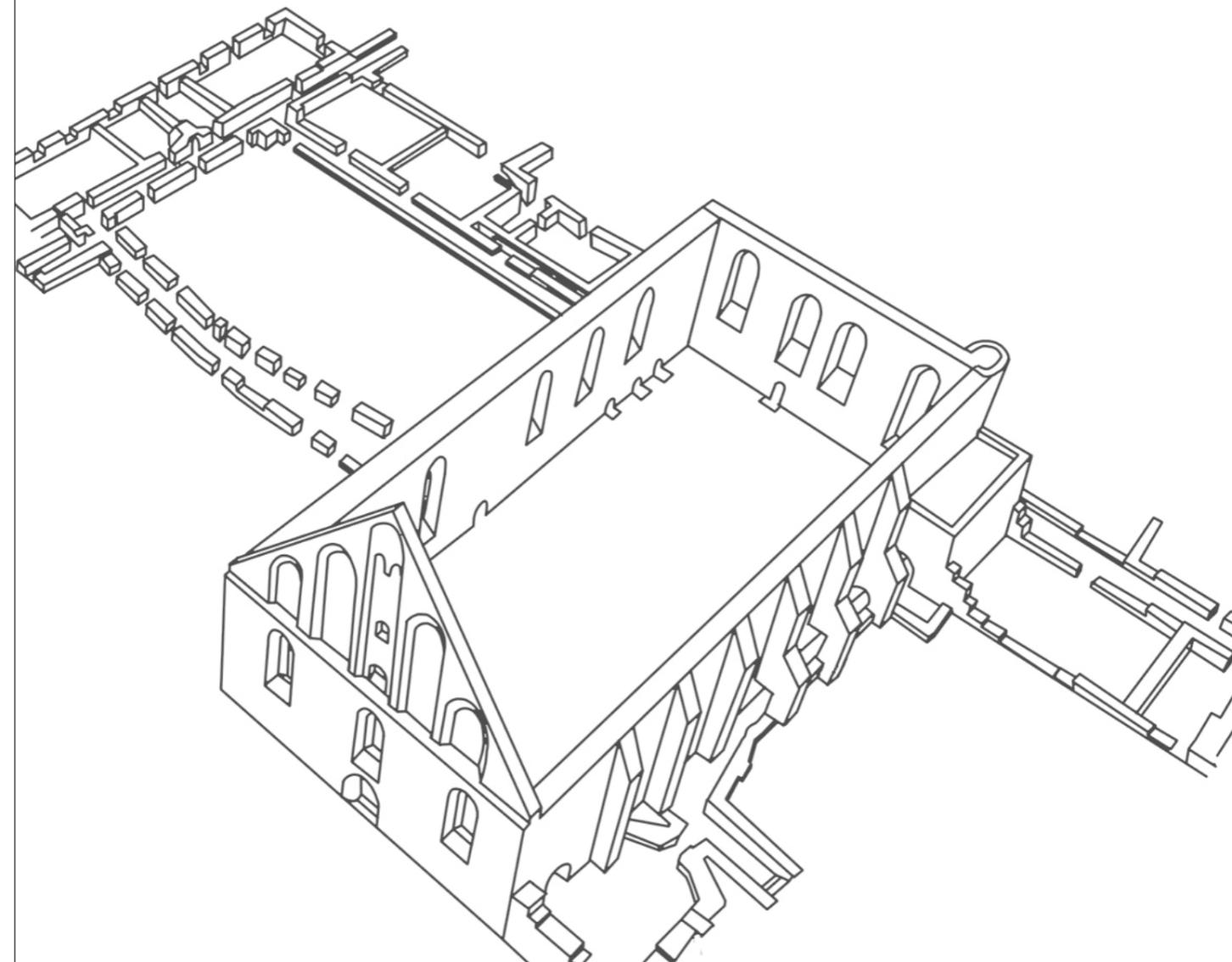


“How can an intervention revitalize and repurpose a historical ruin to a public function while enhancing its architectural elements and ensuring its preservation?”

1.

HISTORICAL CONNECTION

The interaction between the extensions and the ruins.



“How can an intervention revitalize and repurpose a historical ruin to a public function while enhancing its architectural elements and ensuring its preservation?”

1.

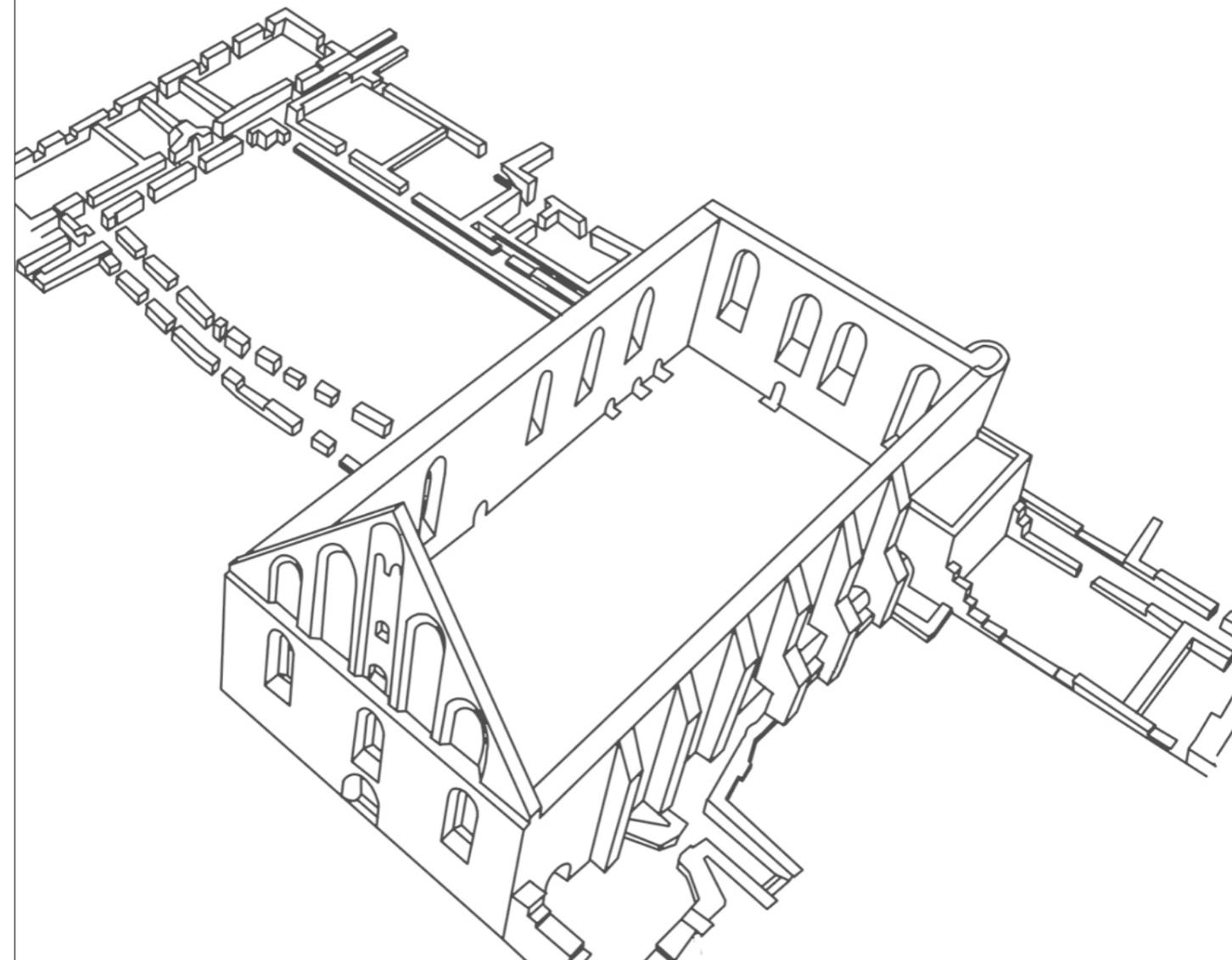
HISTORICAL CONNECTION

The interaction between the extensions and the ruins.

2.

SPATIAL ORGANISATION

Layouting the building through a praxeological method.

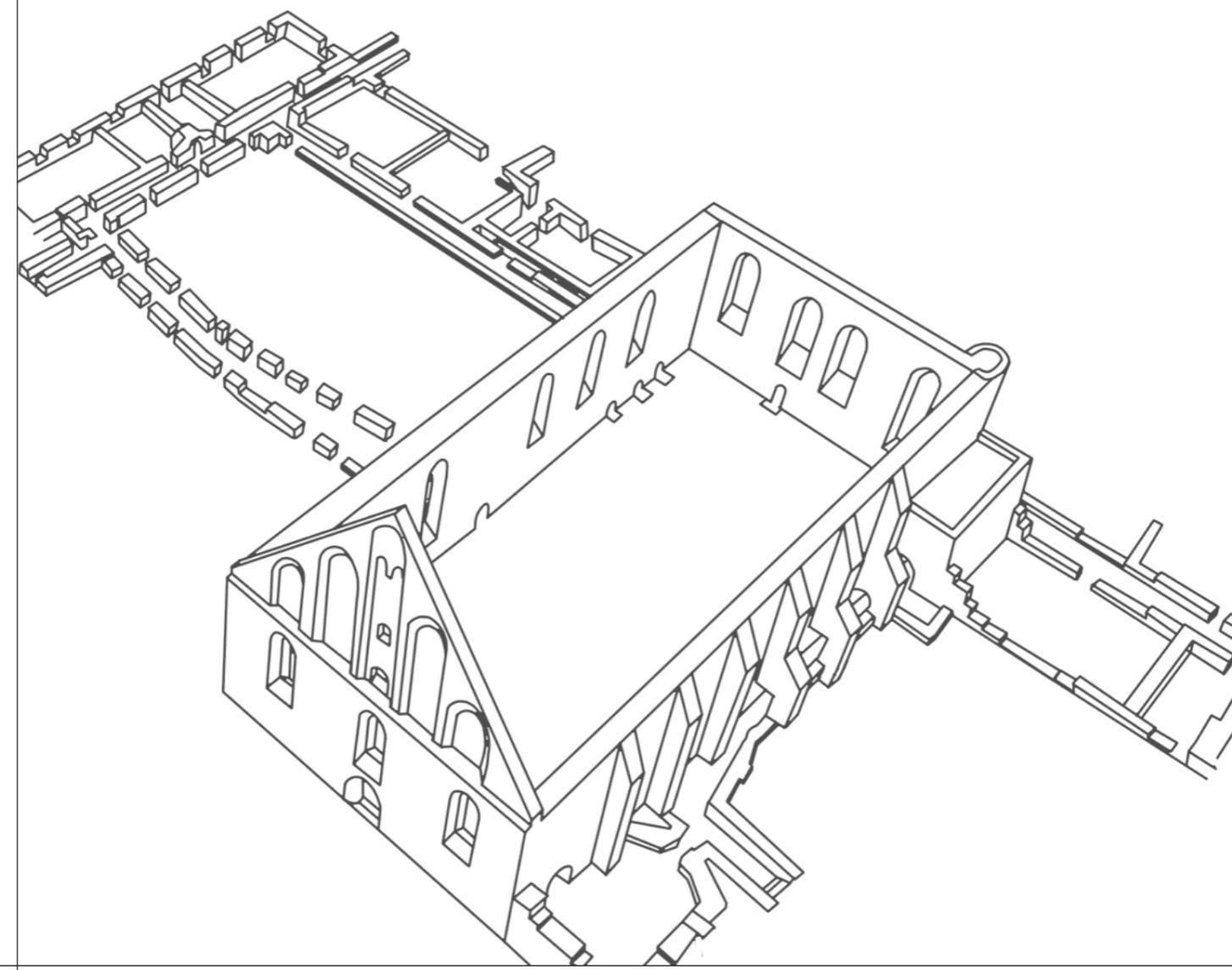


“How can an intervention revitalize and repurpose a historical ruin to a public function while enhancing its architectural elements and ensuring its preservation?”

1.
HISTORICAL CONNECTION
The interaction between the extensions and the ruins.

2.
SPATIAL ORGANISATION
Layouting the building through a praxeological method.

3.
SENSORY EXPERIENCE
Designing for the senses of sight, sound and touch.



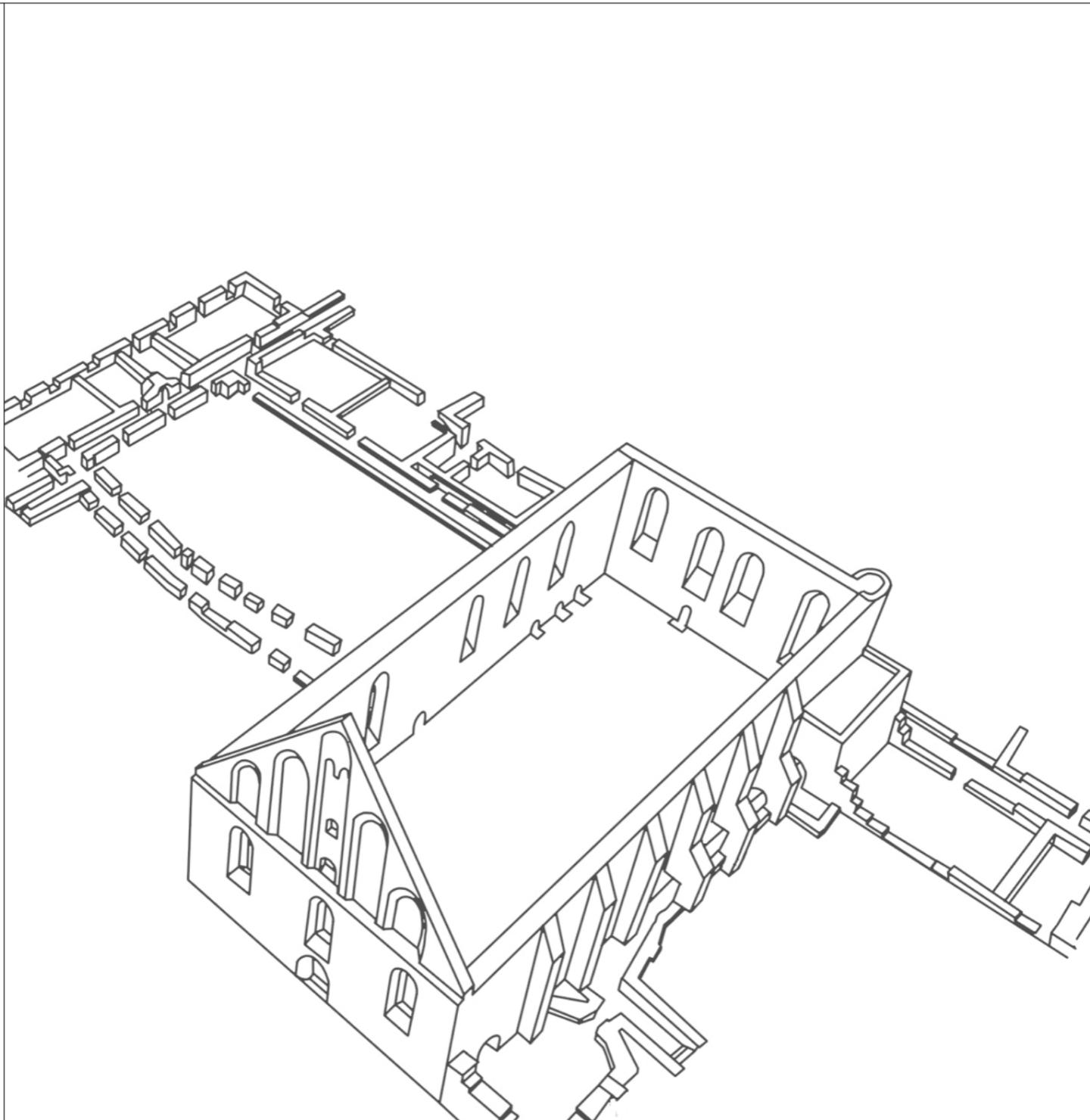
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- 1.
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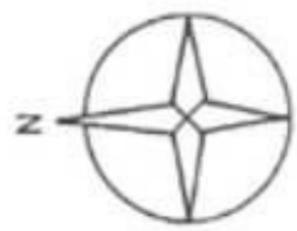
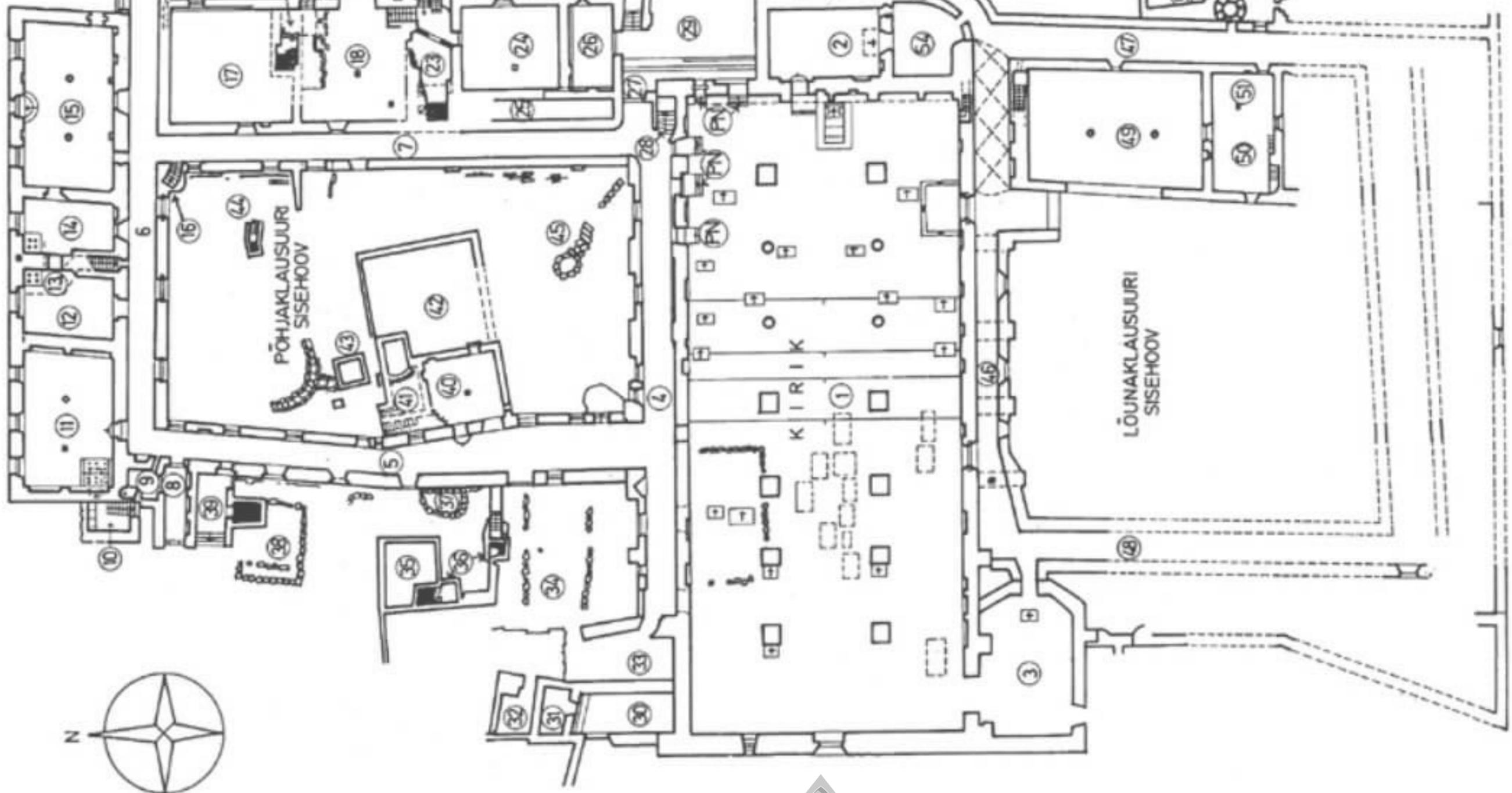
- 4.
VERNACULAR ARCHITECTURE
Following St. Bridget Rules and minimizing the ecological footprint.

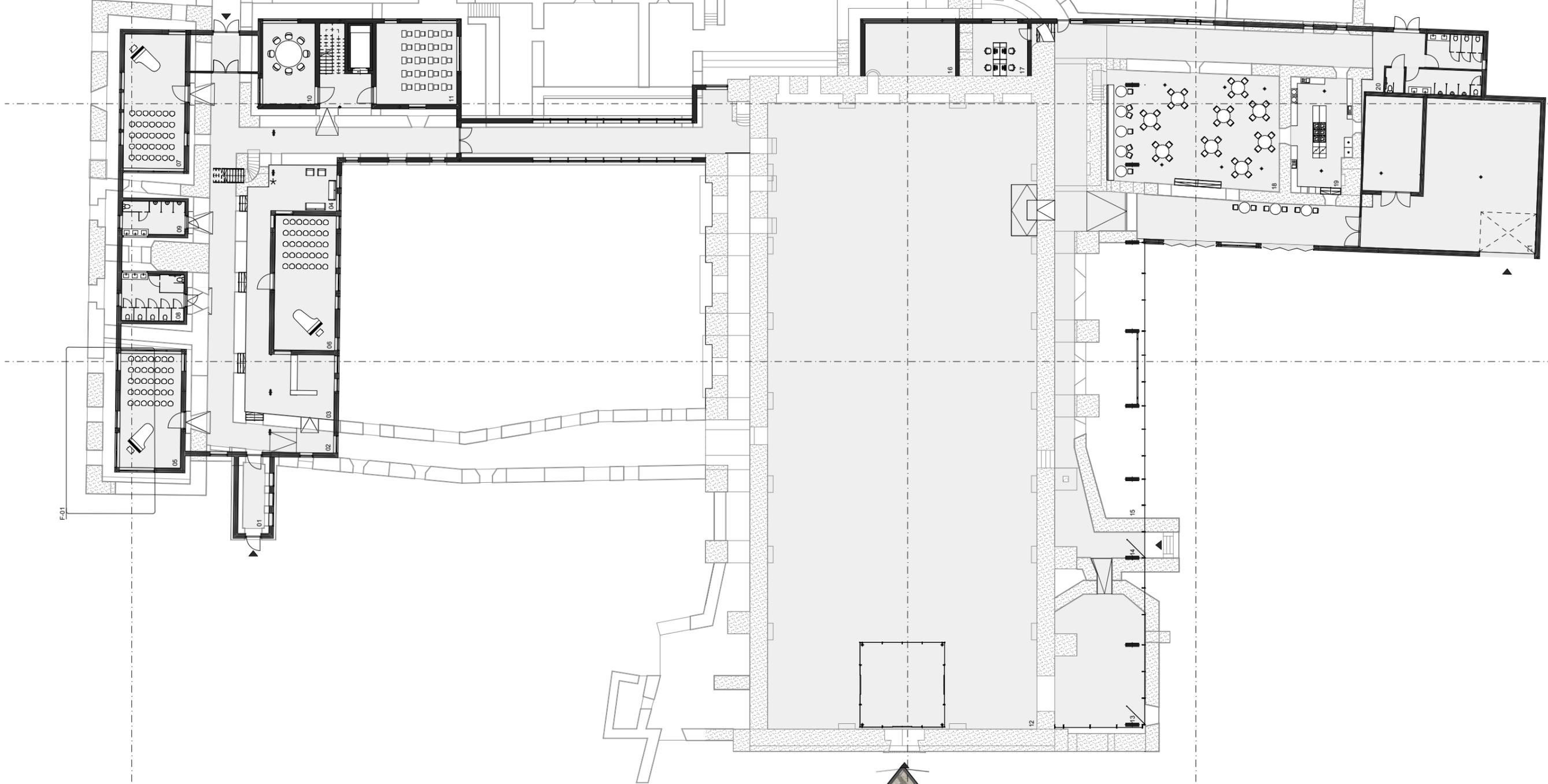


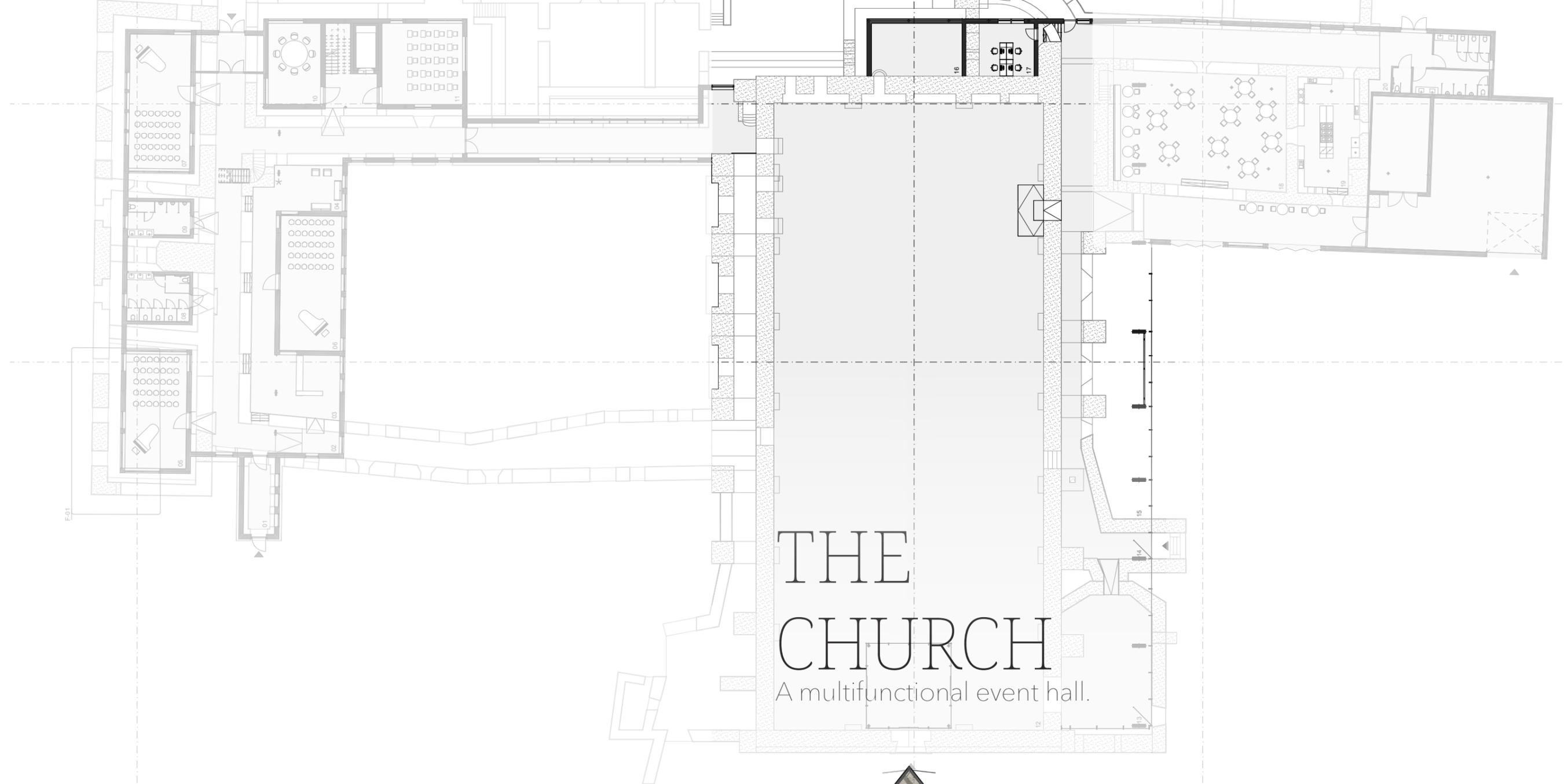


DESIGN









THE CHURCH

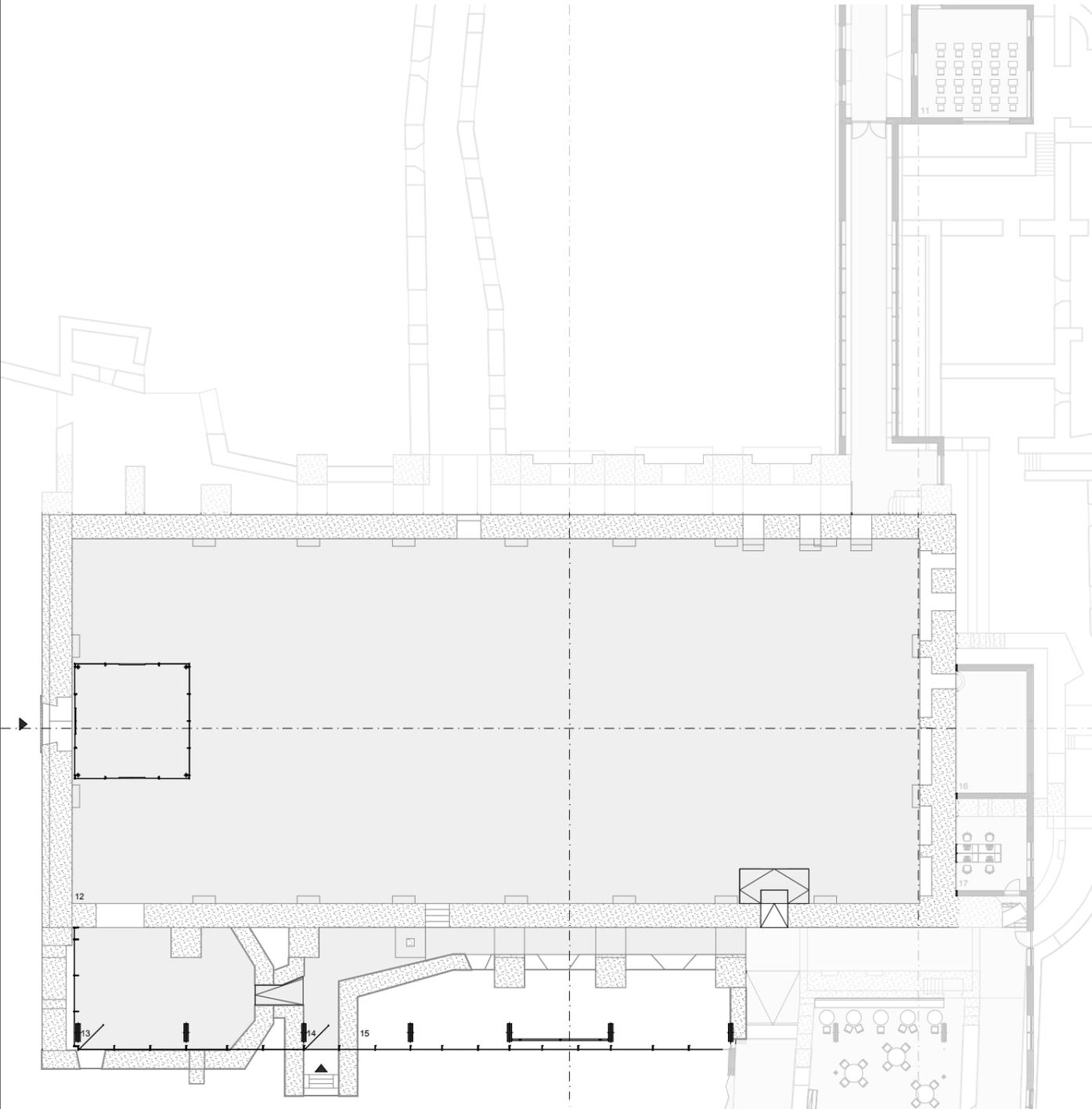
A multifunctional event hall.





1.
REBUILDING ROOF
Modern glass construction.

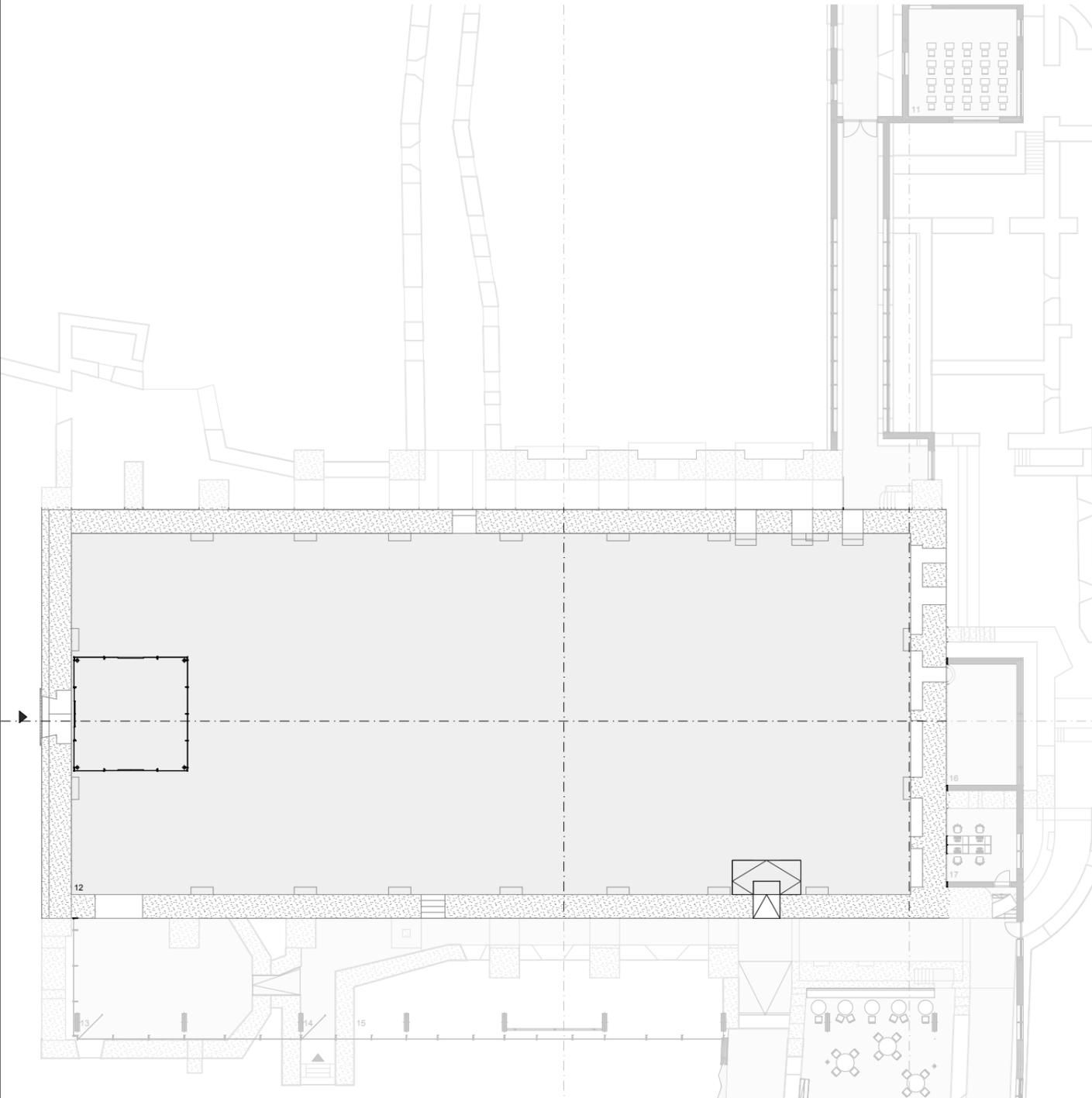




1.
REBUILDING ROOF
Modern glass construction.

2.
HISTORIC ROUTING
Referring to original experience.

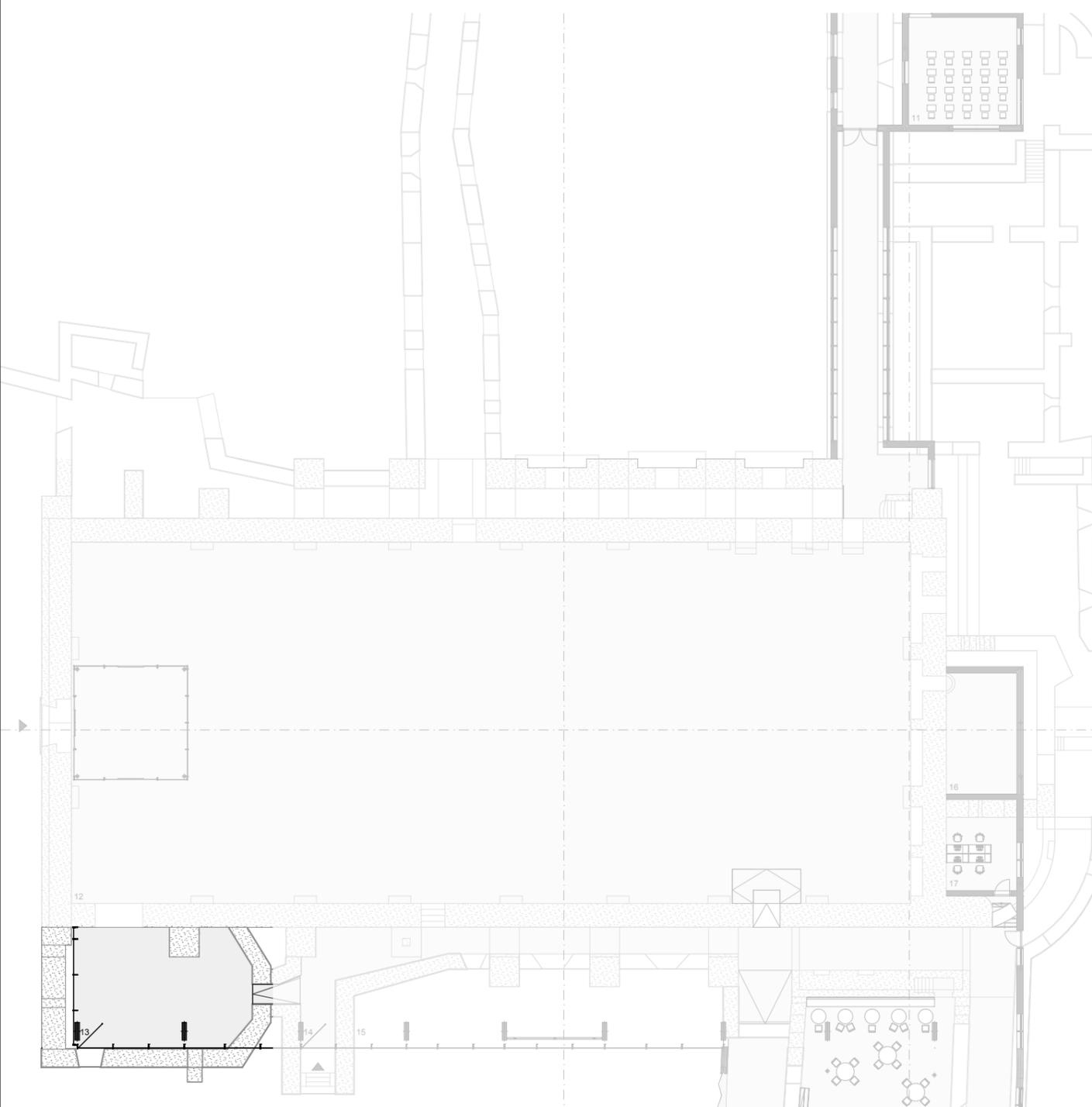




1.
REBUILDING ROOF
Modern glass construction.

2.
HISTORIC ROUTING
Church main entrance.

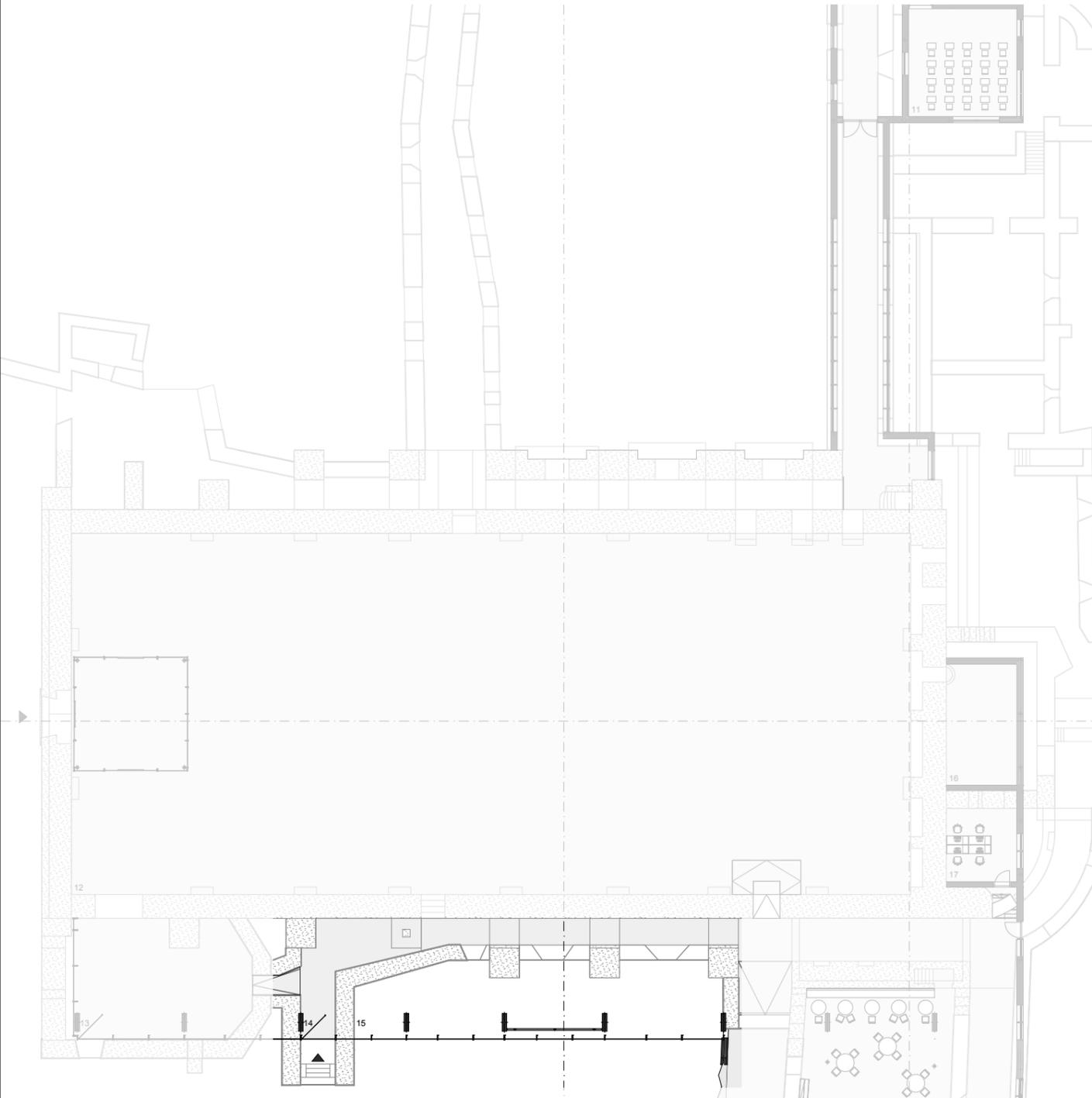




1.
REBUILDING ROOF
Modern glass construction.

2.
HISTORIC ROUTING
Chapel becomes wardrobe.





1.
REBUILDING ROOF
Modern glass construction.

2.
HISTORIC ROUTING
Redesigned corridor.



1.
REBUILDING ROOF
Modern glass construction.

2.
HISTORIC ROUTING
Referring to original experience.

3.
LIGHT INCIDENCE
Connection with the sky.



1.
REBUILDING ROOF
Modern glass construction.

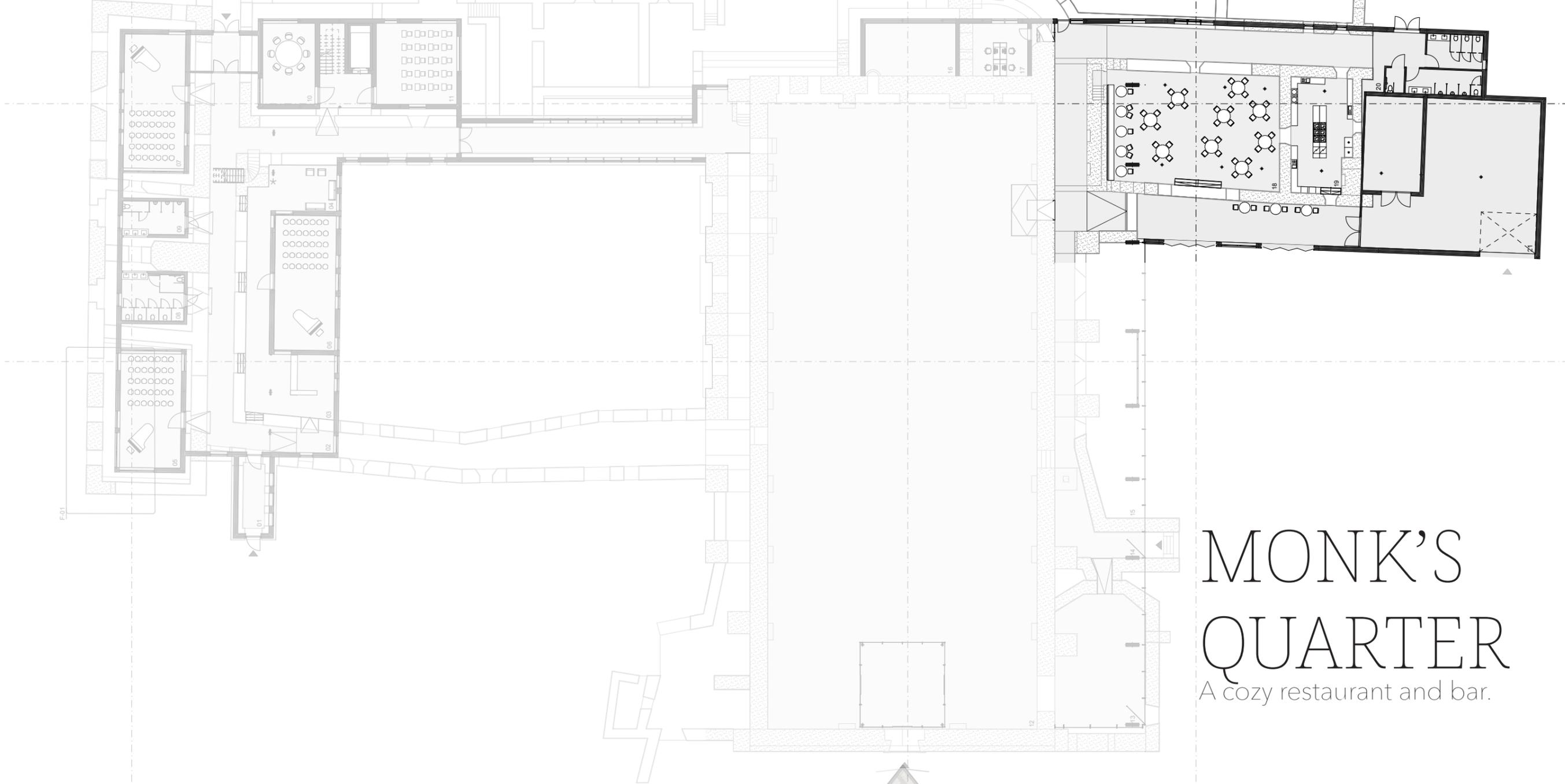
2.
HISTORIC ROUTING
Referring to original experience.

3.
LIGHT INCIDENCE
Connection with the sky.

4.
WOODEN FRAME
Kerto LVL beams and columns.







MONK'S QUARTER

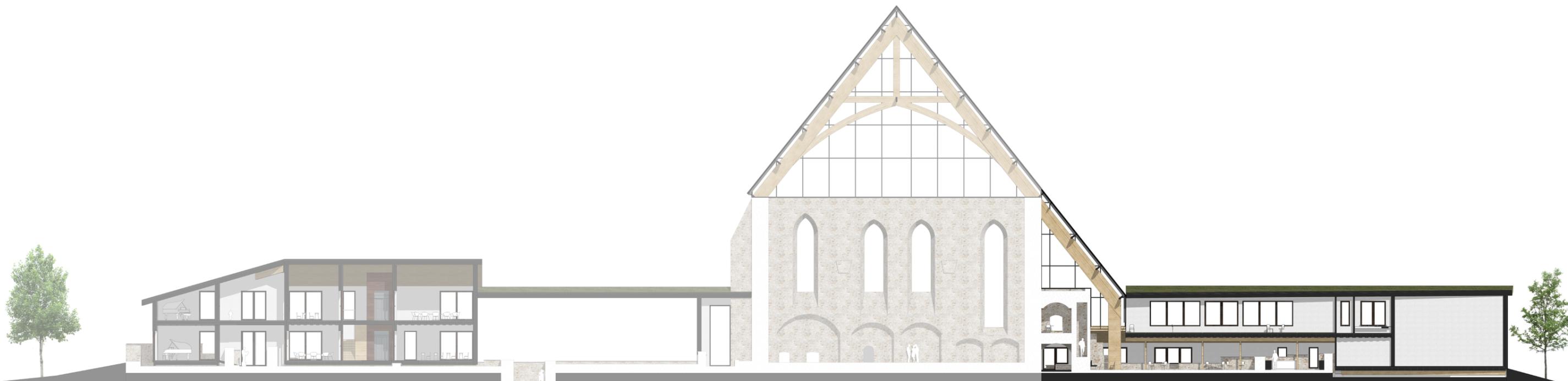
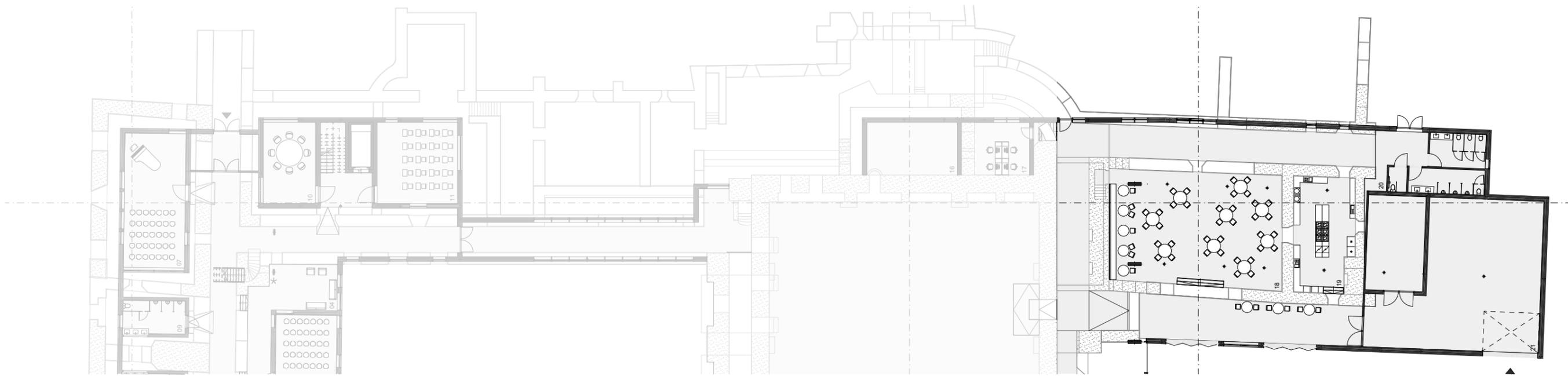
A cozy restaurant and bar.



1.

REUSING FUNCTIONS

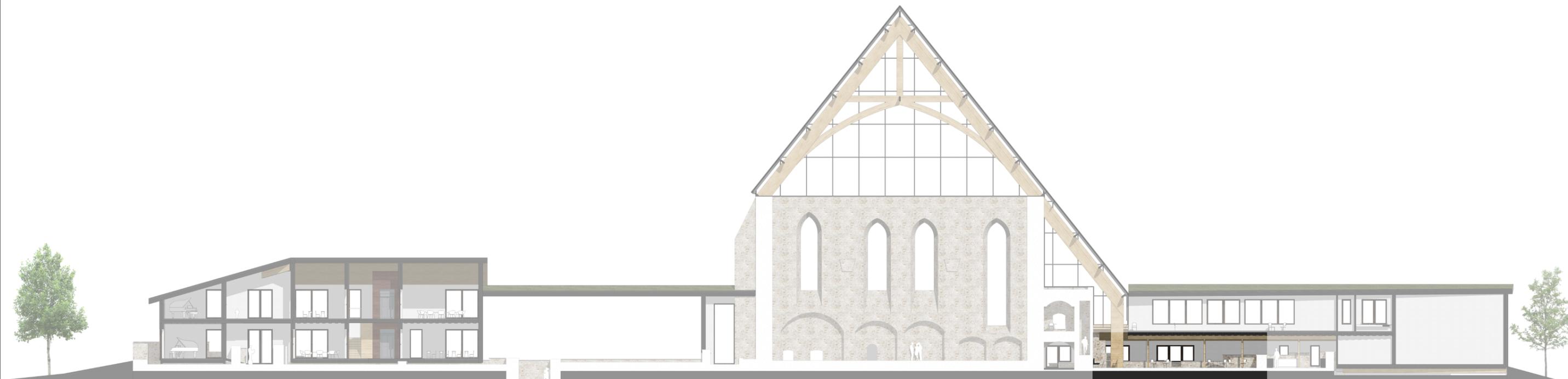
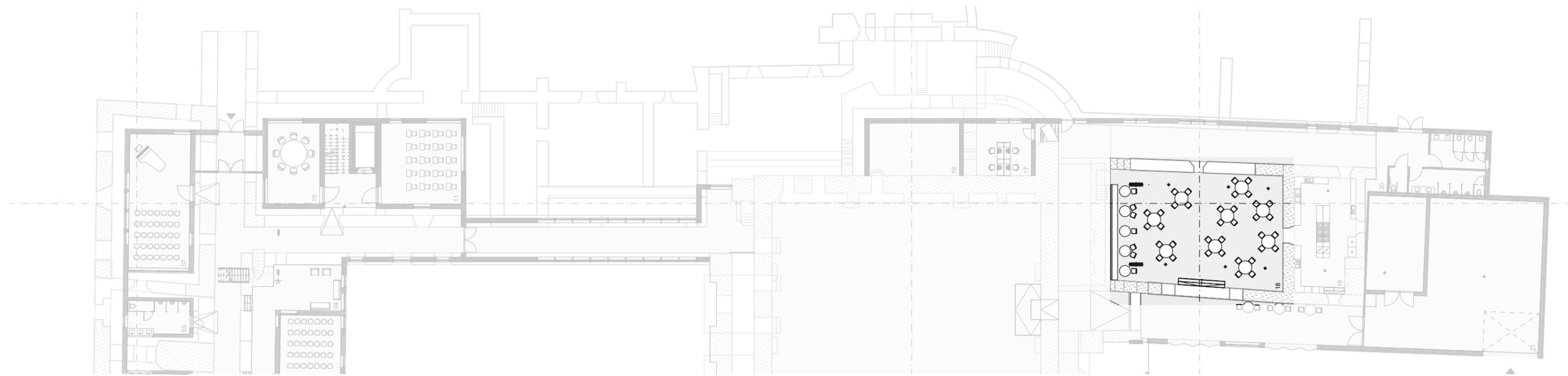
Refer layout to historic uses.



1.

REUSING FUNCTIONS

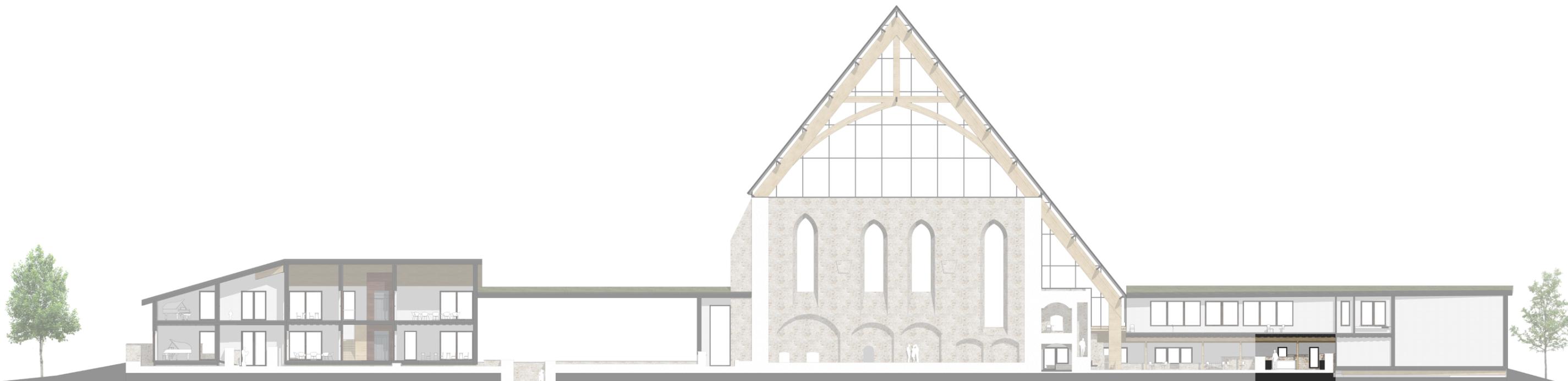
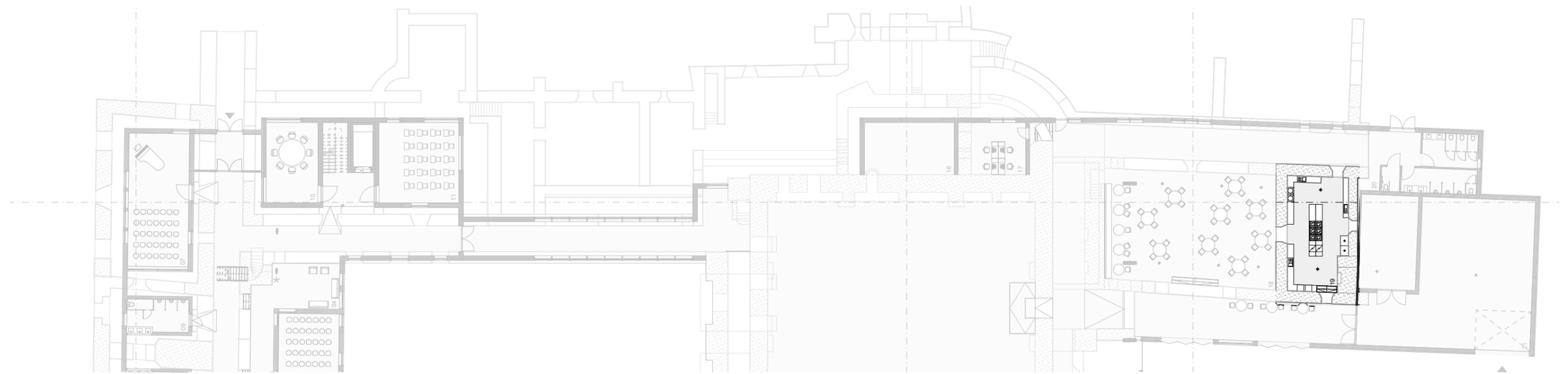
Dining hall becomes restaurant.



1.

REUSING FUNCTIONS

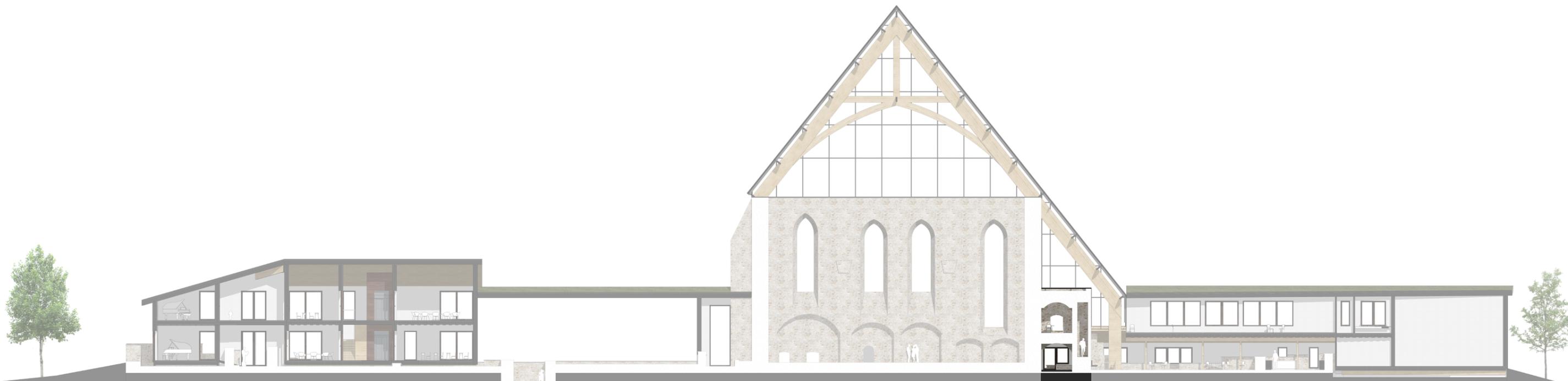
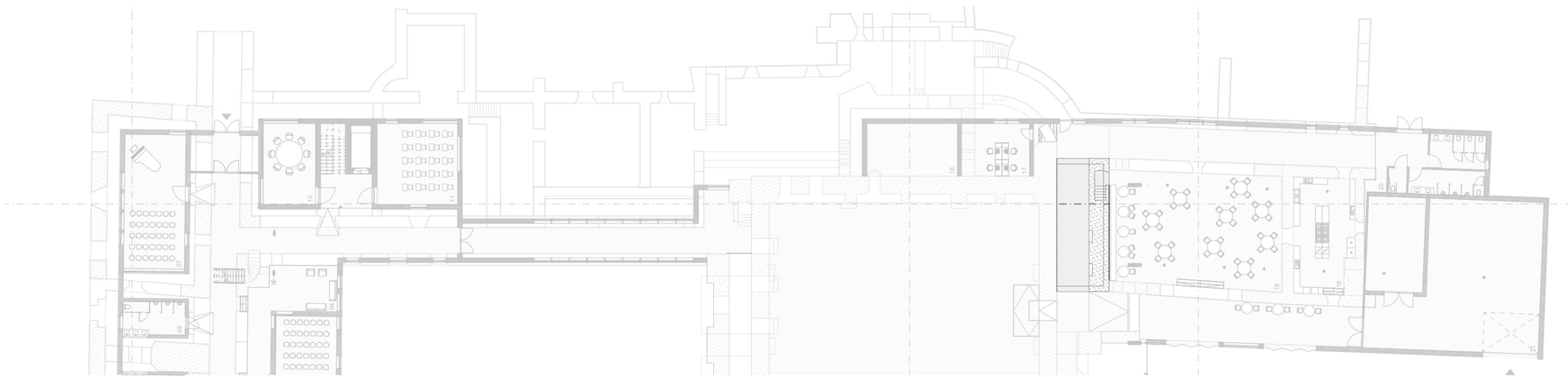
Auxiliary room becomes kitchen.



1.

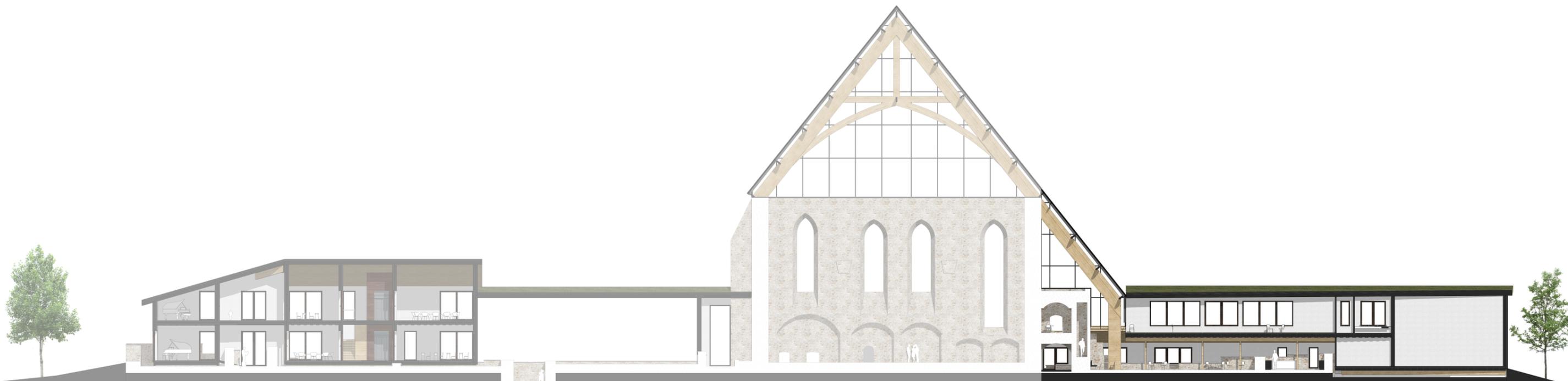
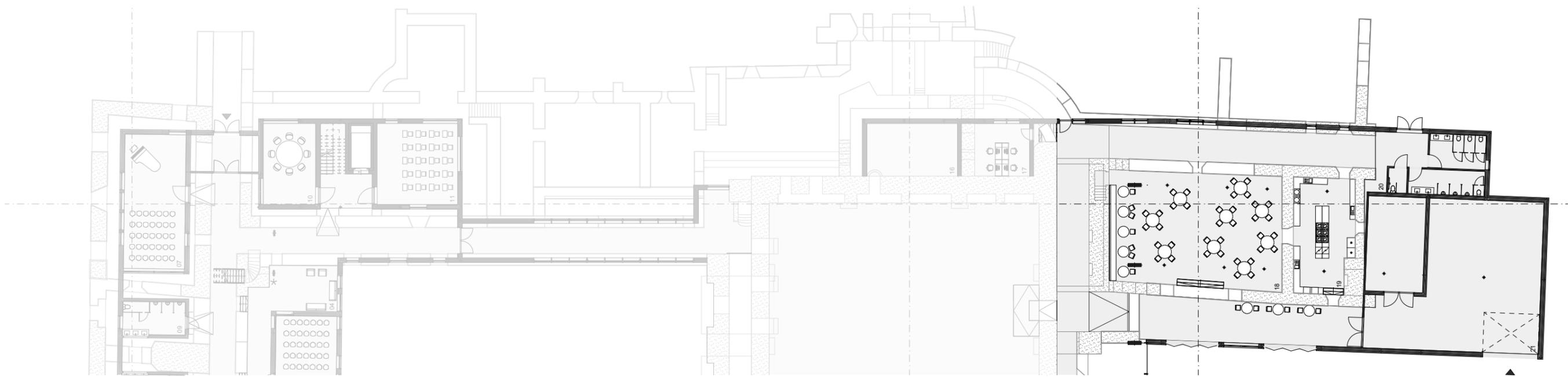
REUSING FUNCTIONS

Original staircase to the bar.



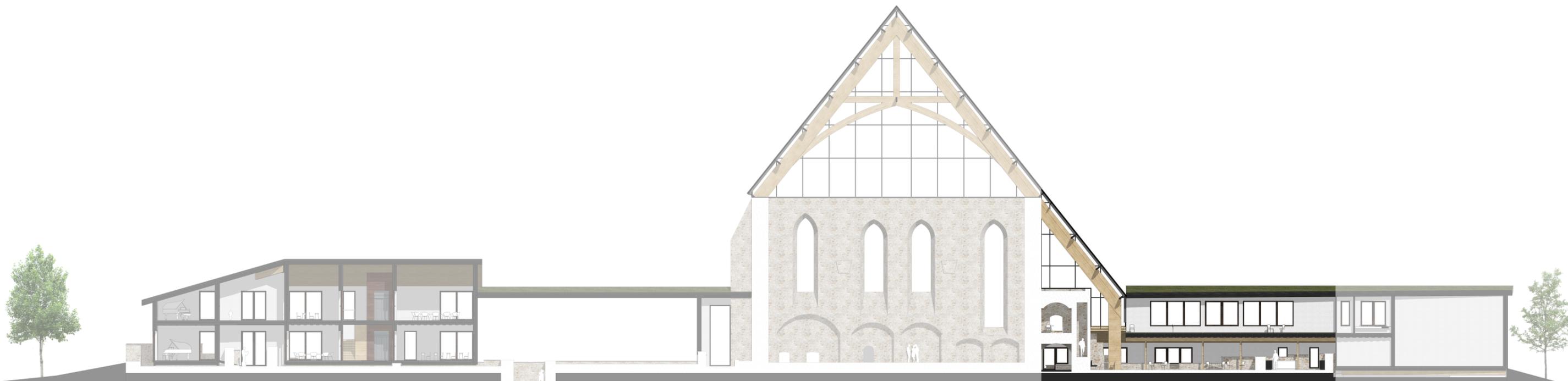
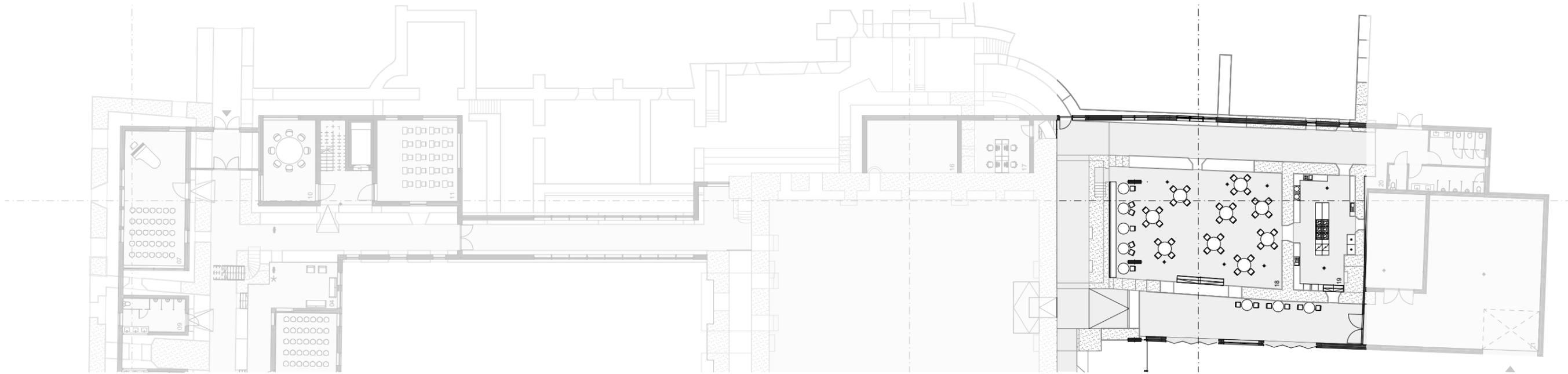
1.
REUSING FUNCTIONS
Refer layout to historic uses.

2.
PRACTICAL LOGISTICS
Dividing public and private.



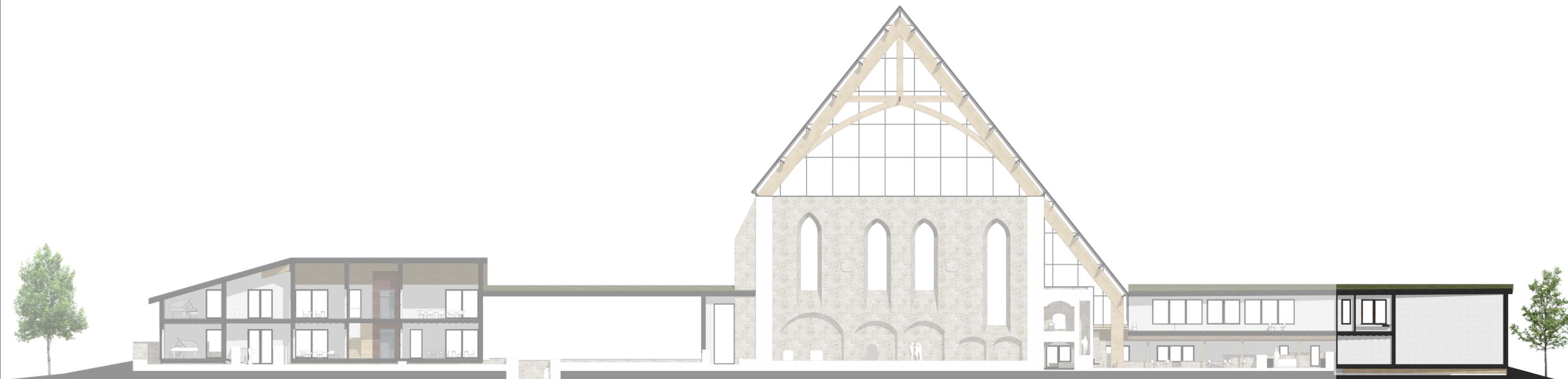
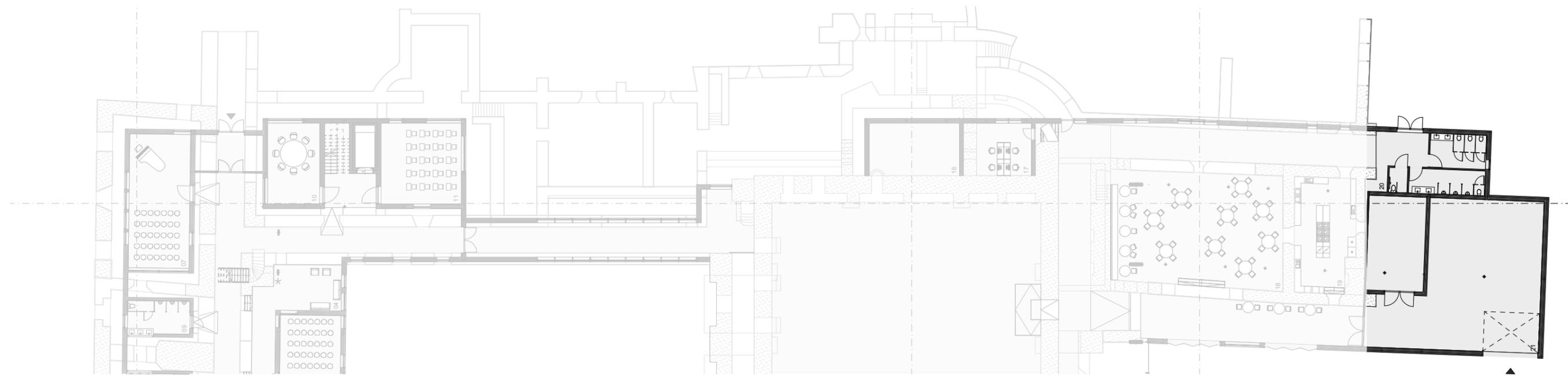
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REUSING FUNCTIONS
Refer layout to historic uses.

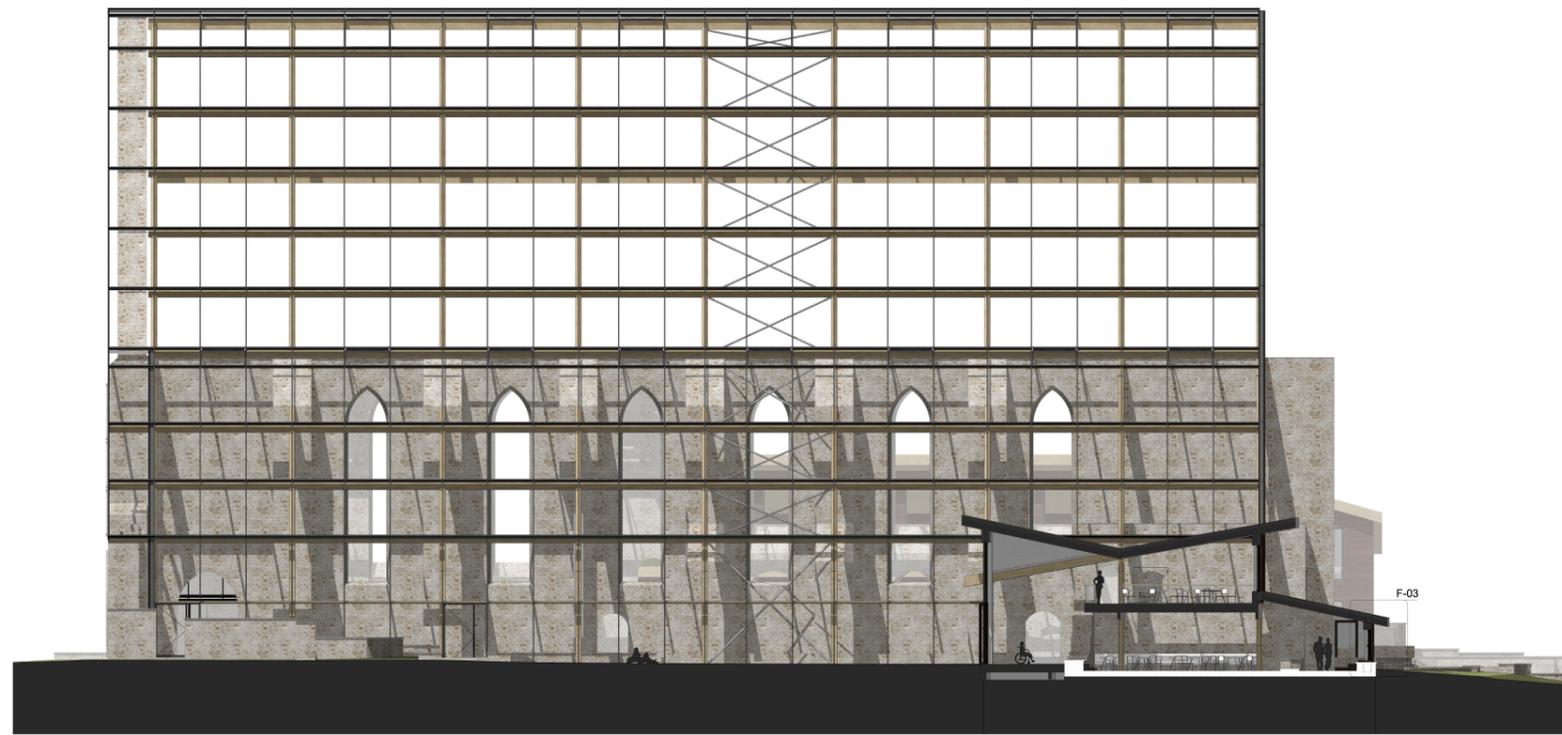
2.
PRACTICAL LOGISTICS
Public connected to event hall.



1.
REUSING FUNCTIONS
Refer layout to historic uses.

2.
PRACTICAL LOGISTICS
Private on the outside.

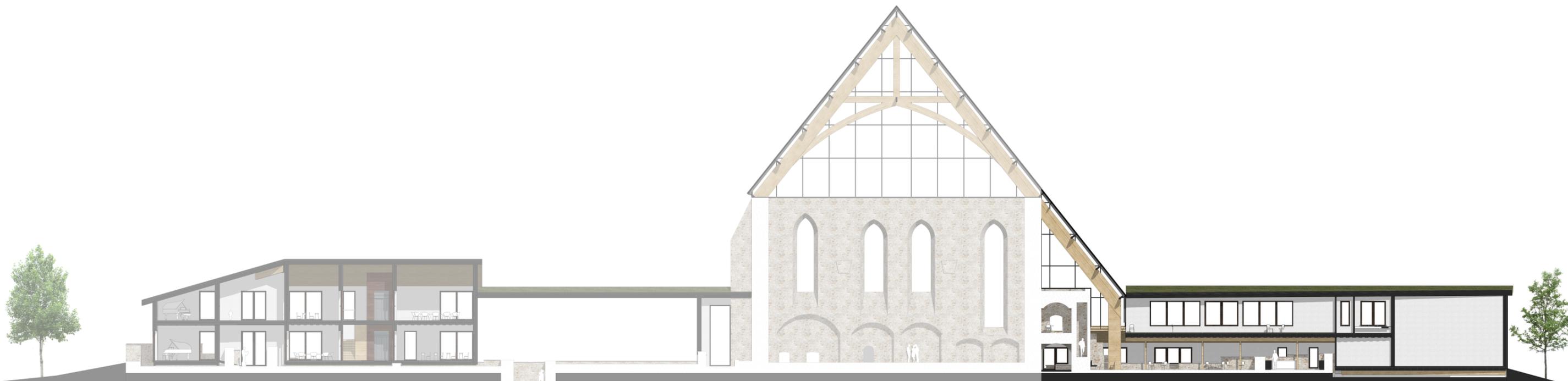




1.
REUSING FUNCTIONS
Refer layout to historic uses.

2.
PRACTICAL LOGISTICS
Dividing public and private.

3.
TOUCHABLE RUINS
Preserving the rawness.





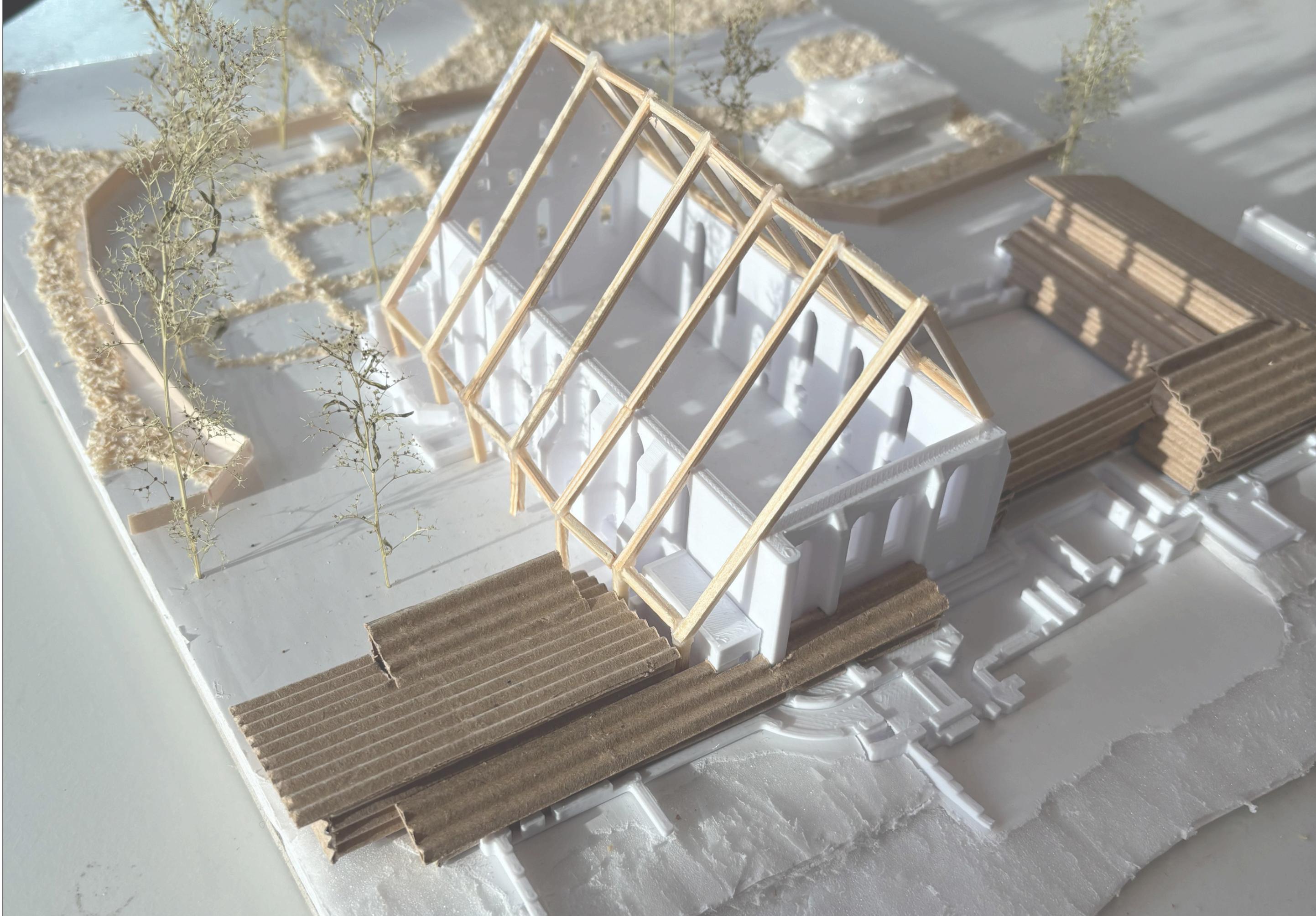
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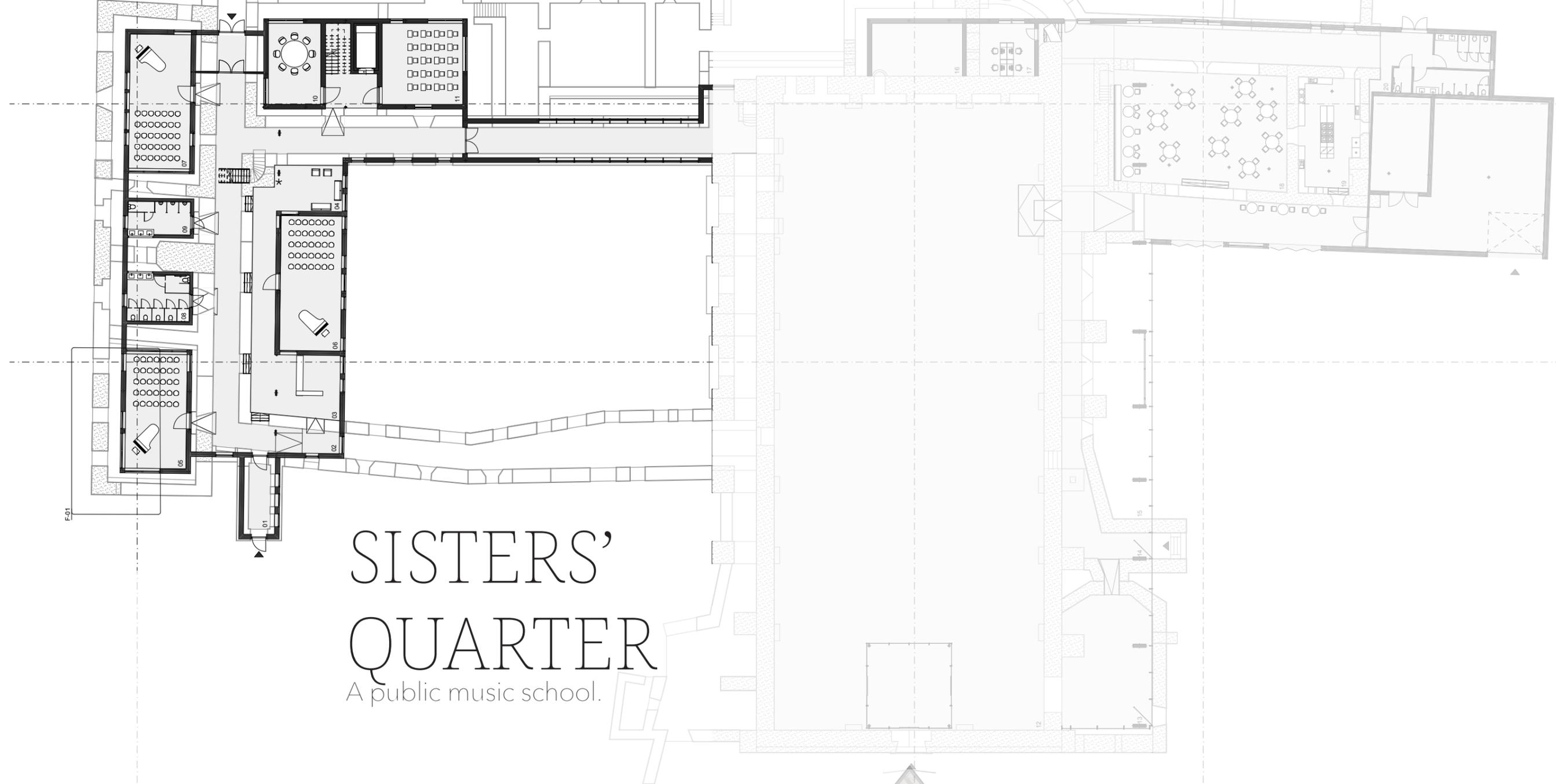
2.
PRACTICAL LOGISTICS
Dividing public and private.

3.
TOUCHABLE RUINS
Preserving the rawness.

4.
WOODEN ELEMENTS
Prefabricated Kerto elements.







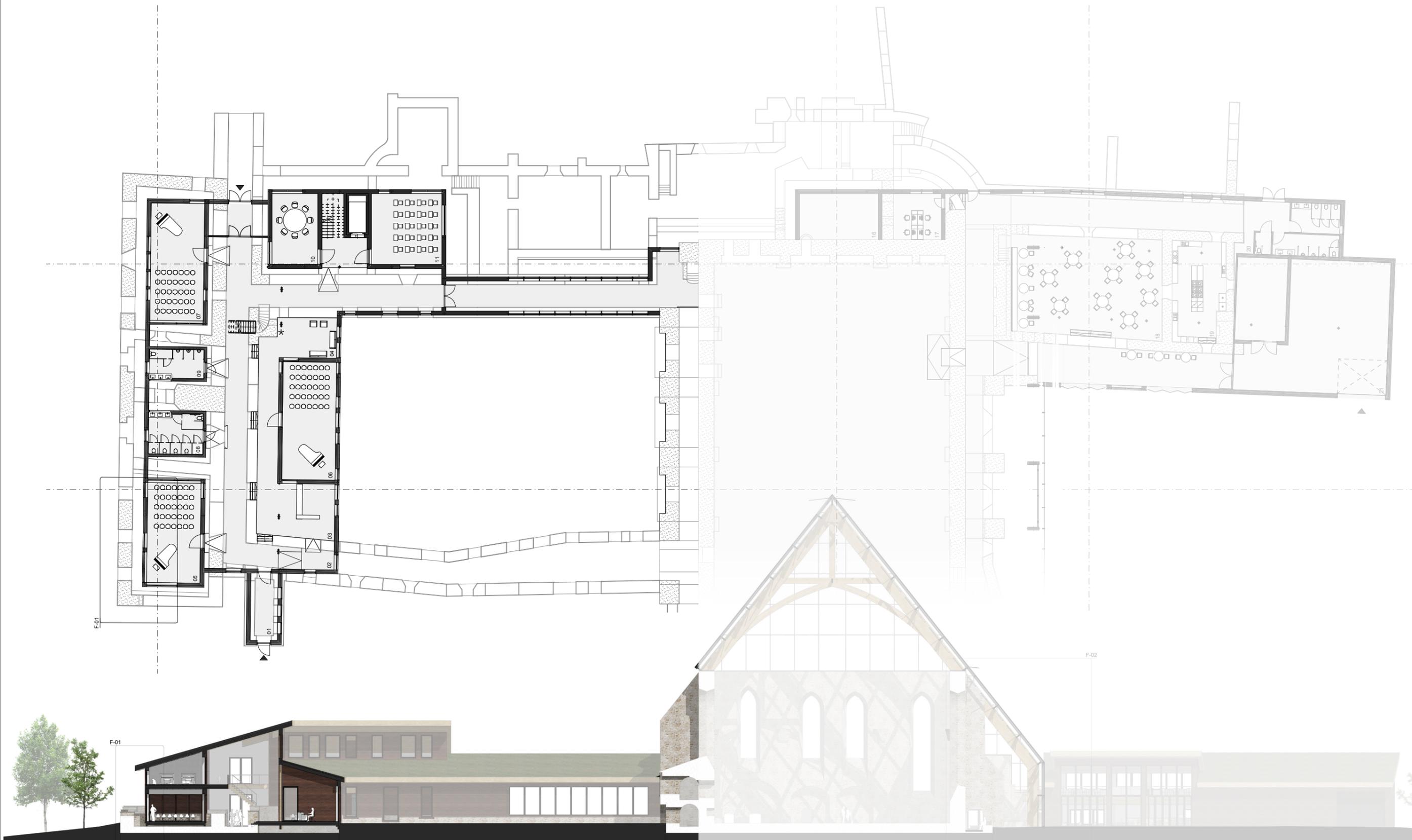
SISTERS' QUARTER

A public music school.



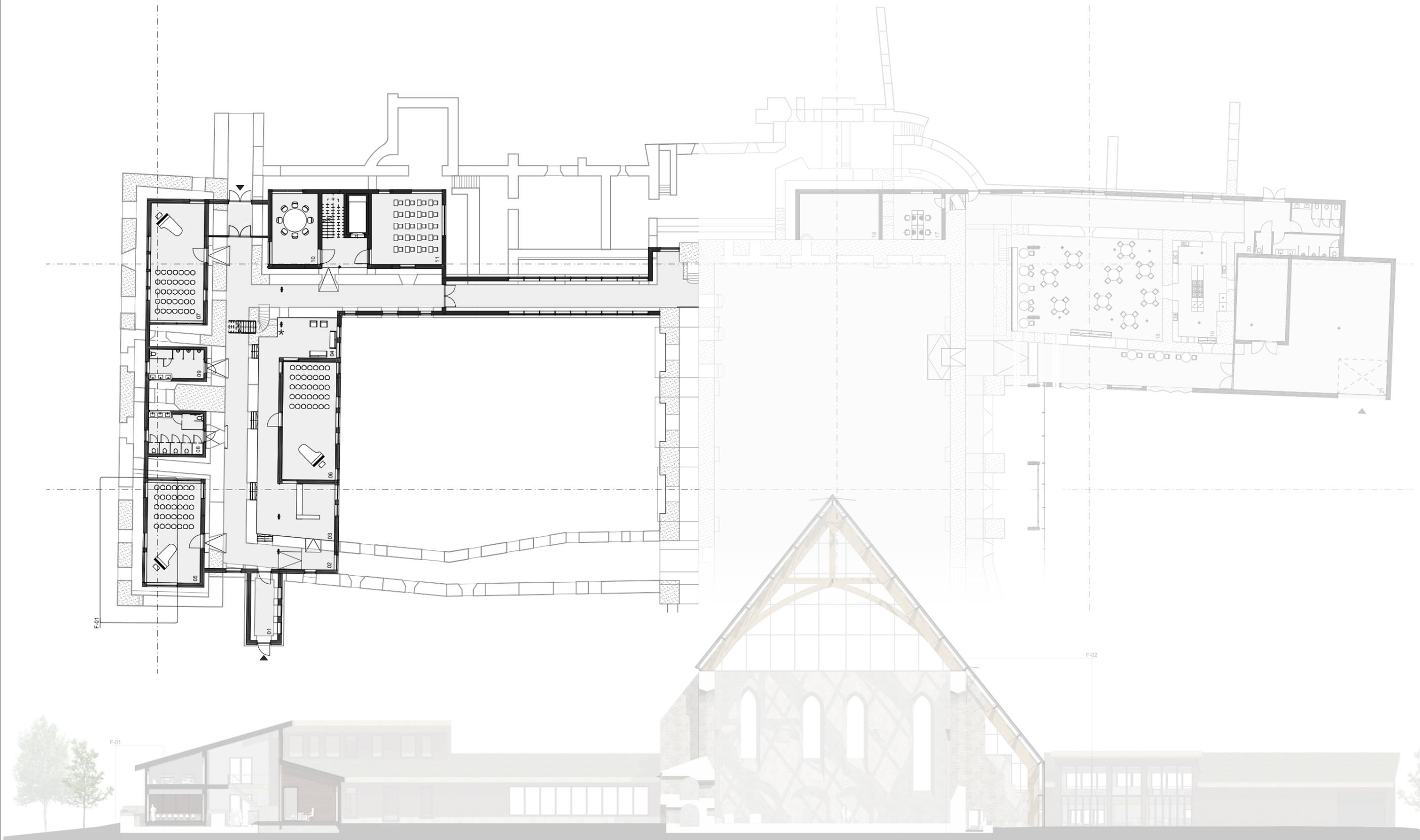
1. RECREATING SHAPES

Design with historic forms.



1. RECREATING SHAPES

Open courtyard principle.



1.

RECREATING SHAPES

Clerestory roof based on buttresses.

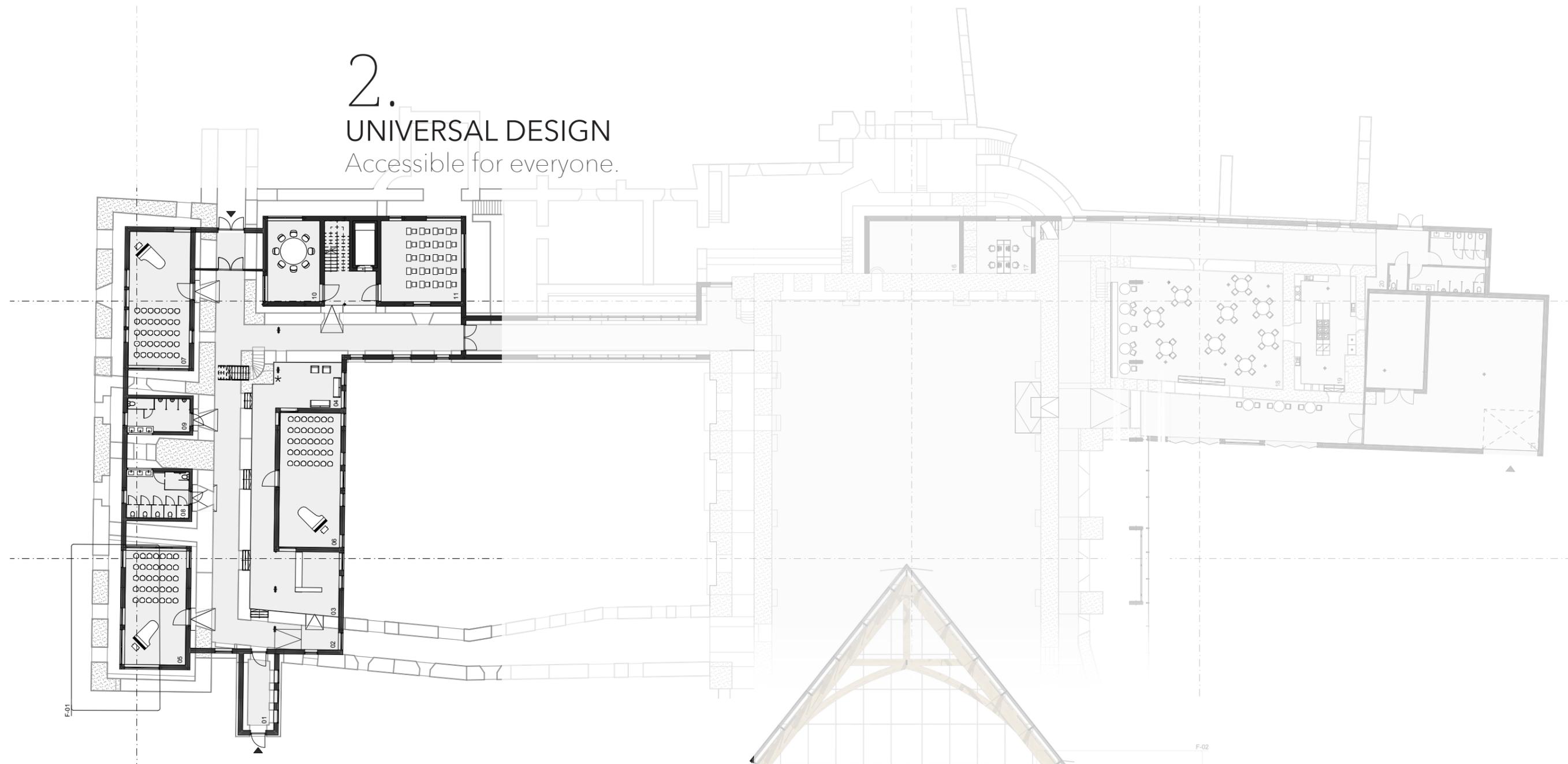


1. RECREATING SHAPES

Design with historic forms.

2. UNIVERSAL DESIGN

Accessible for everyone.

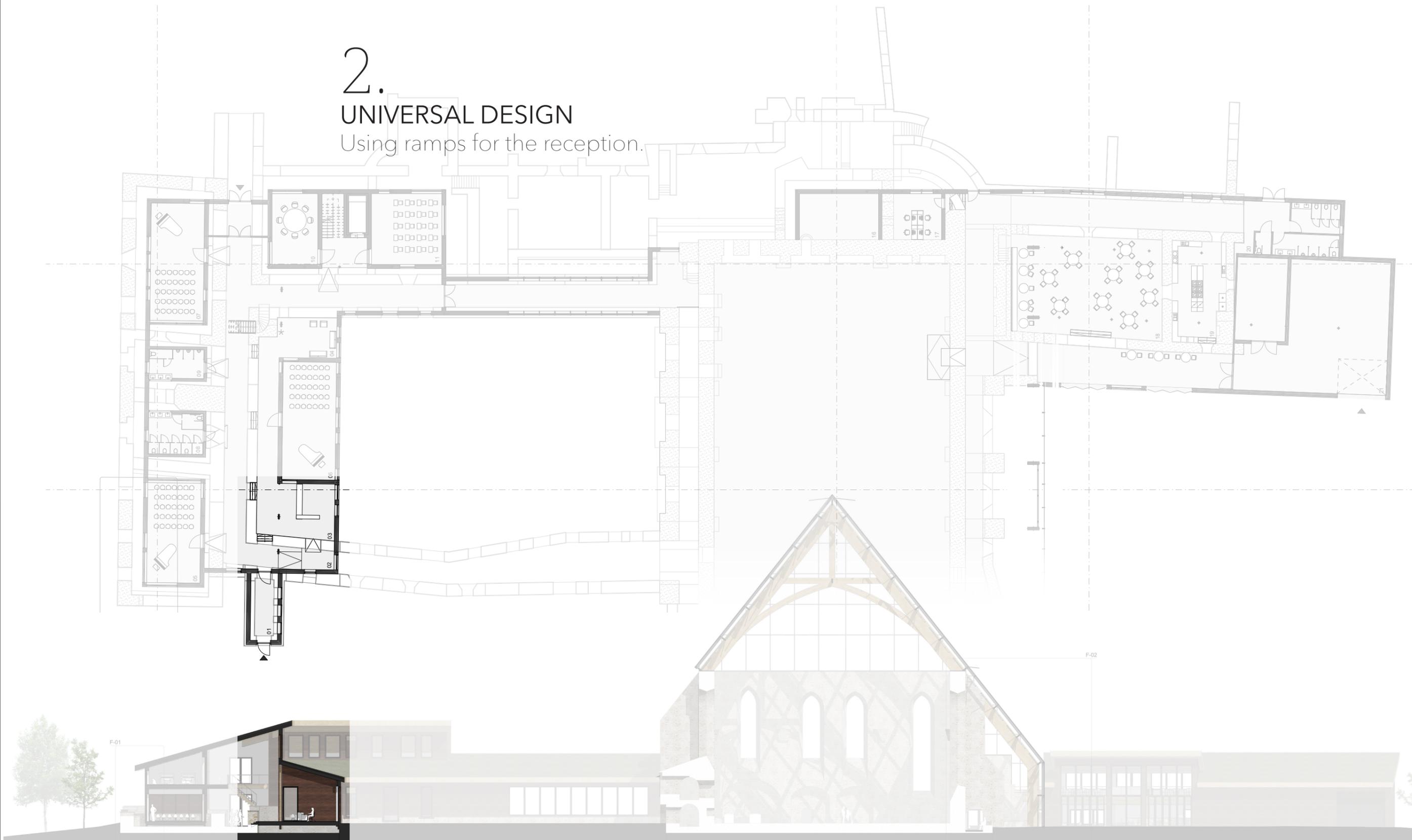


1. RECREATING SHAPES

Design with historic forms.

2. UNIVERSAL DESIGN

Using ramps for the reception.

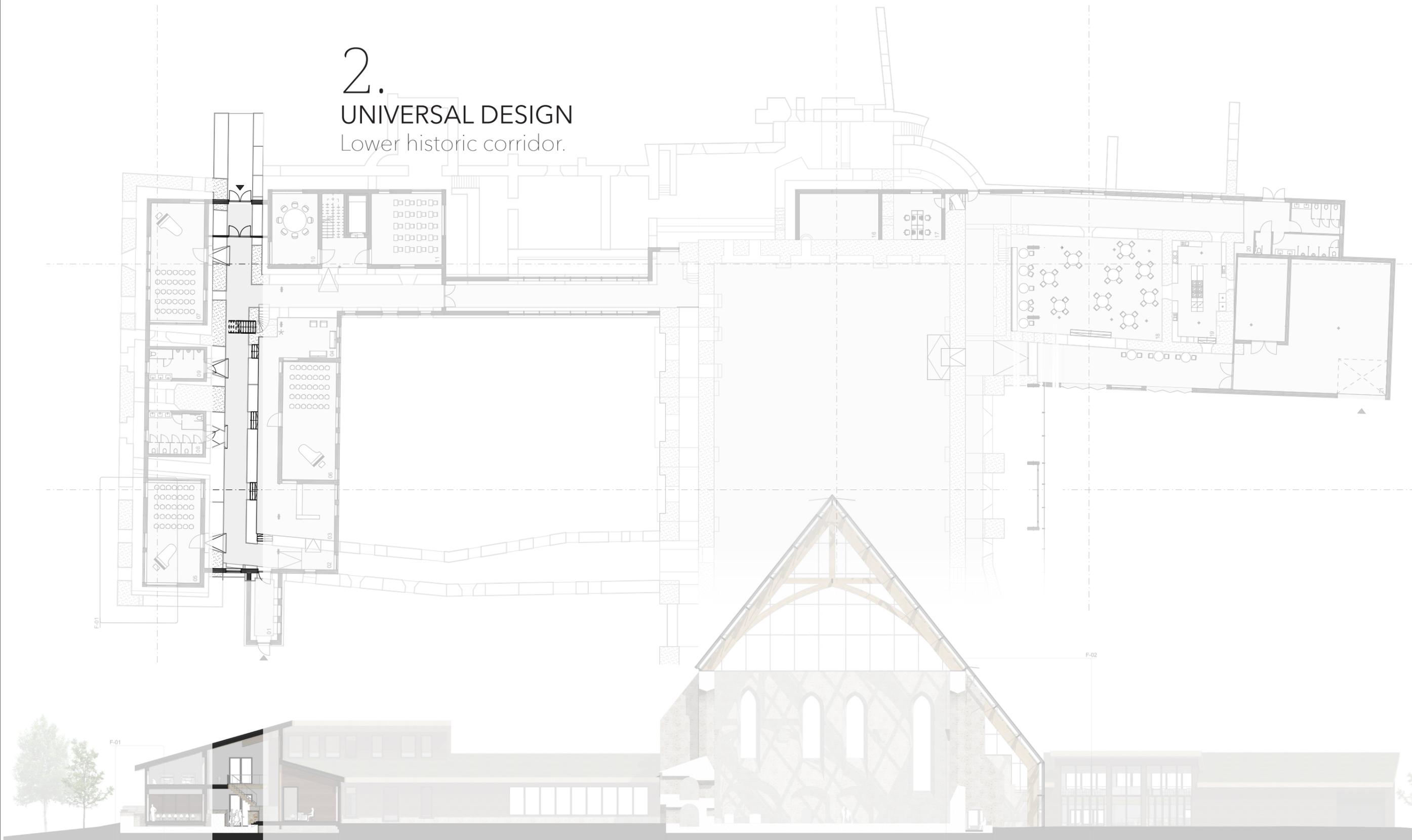


1. RECREATING SHAPES

Design with historic forms.

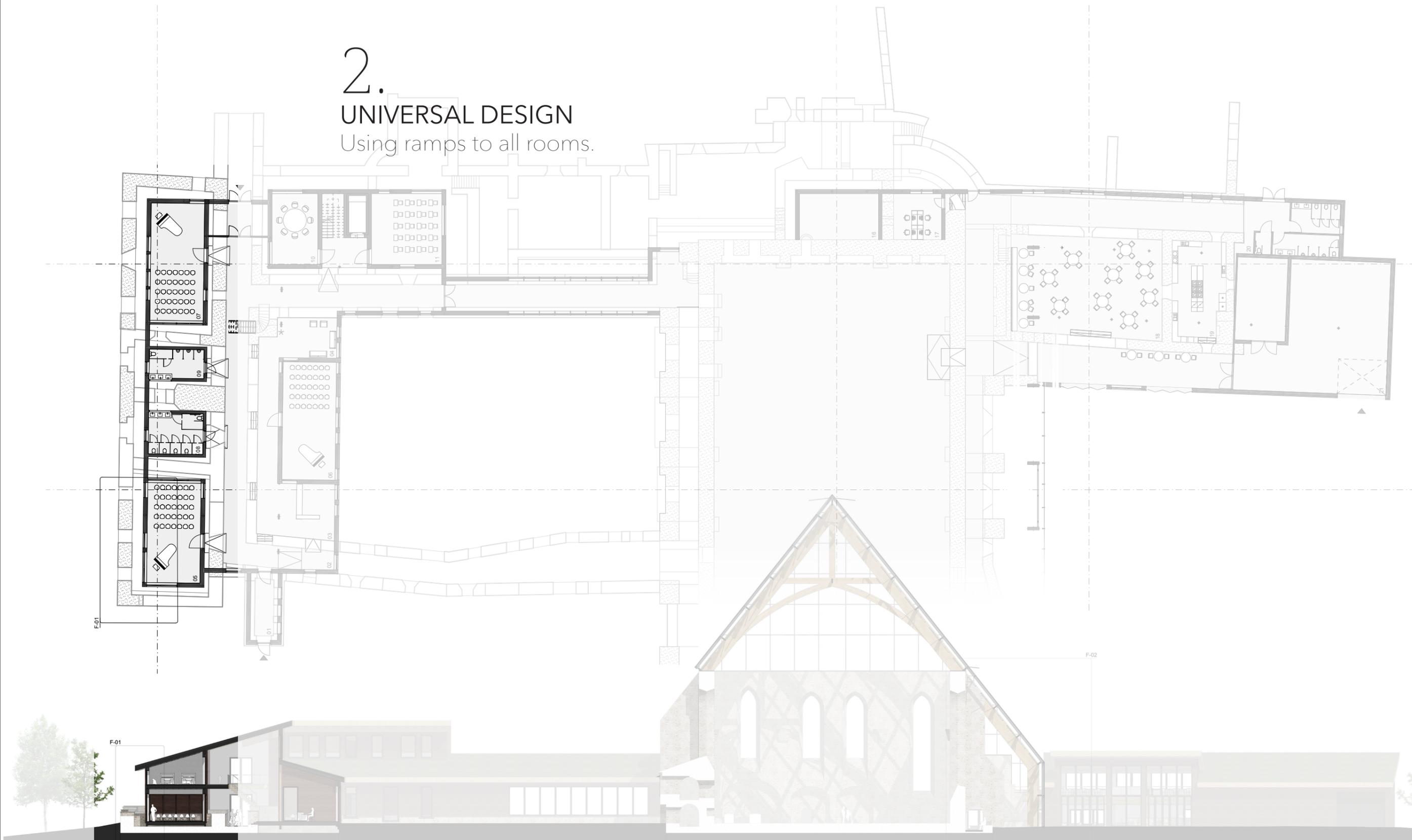
2. UNIVERSAL DESIGN

Lower historic corridor.



1.
RECREATING SHAPES
Design with historic forms.

2.
UNIVERSAL DESIGN
Using ramps to all rooms.

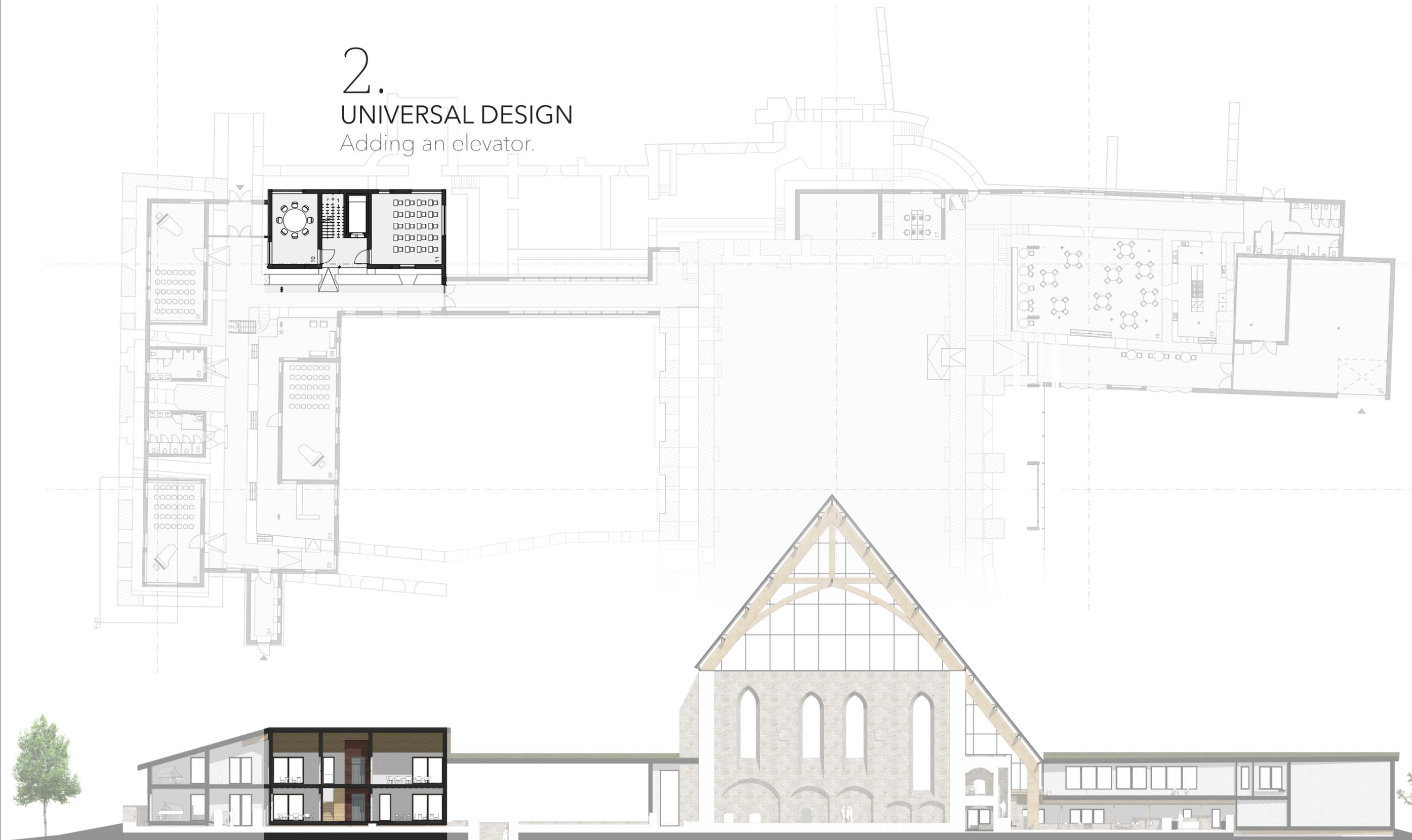


1. RECREATING SHAPES

Design with historic forms.

2. UNIVERSAL DESIGN

Adding an elevator.

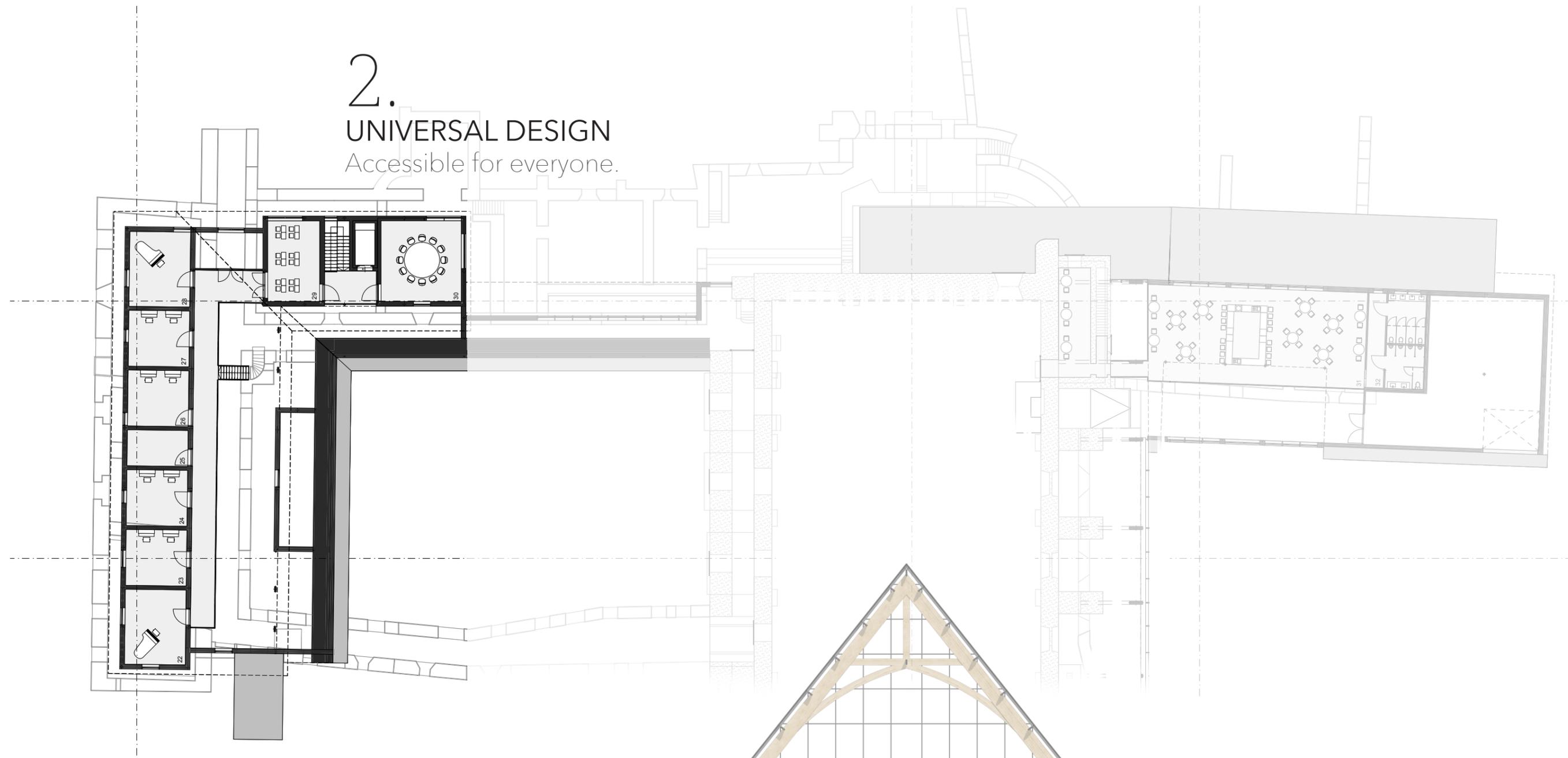


1. RECREATING SHAPES

Design with historic forms.

2. UNIVERSAL DESIGN

Accessible for everyone.



1.
RECREATING SHAPES
Design with historic forms.

2.
UNIVERSAL DESIGN
Accessible for everyone.

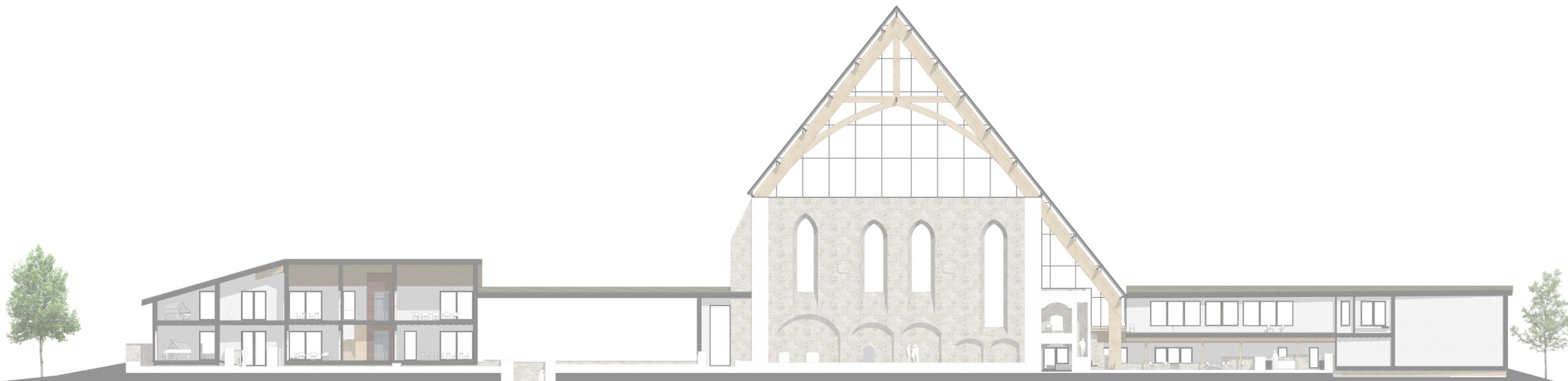
3.
PLEASANT ACOUSTICS
Optimal layout and materials.

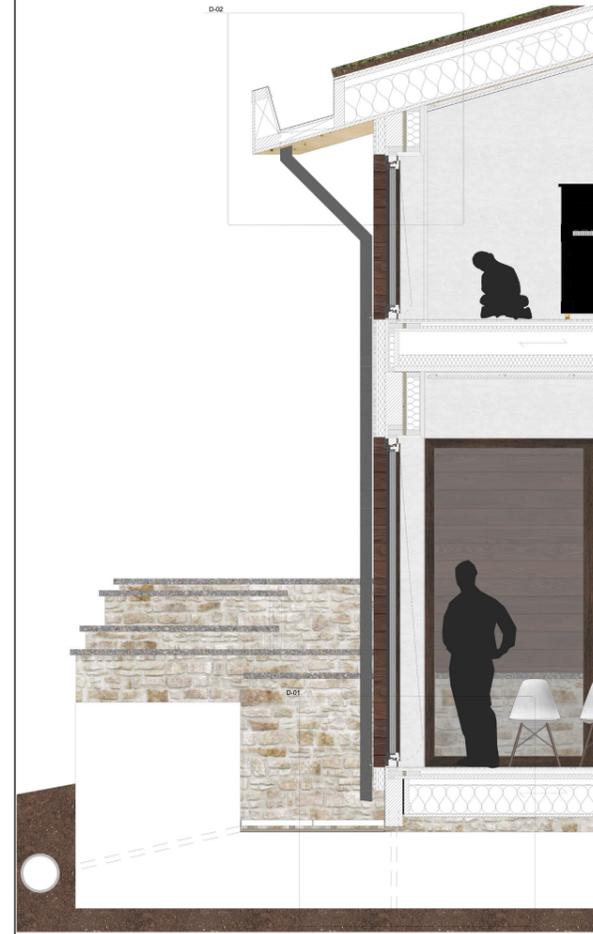


1.
RECREATING SHAPES
Design with historic forms.

2.
UNIVERSAL DESIGN
Accessible for everyone.

3.
PLEASANT ACOUSTICS
Concert rooms not bordering.



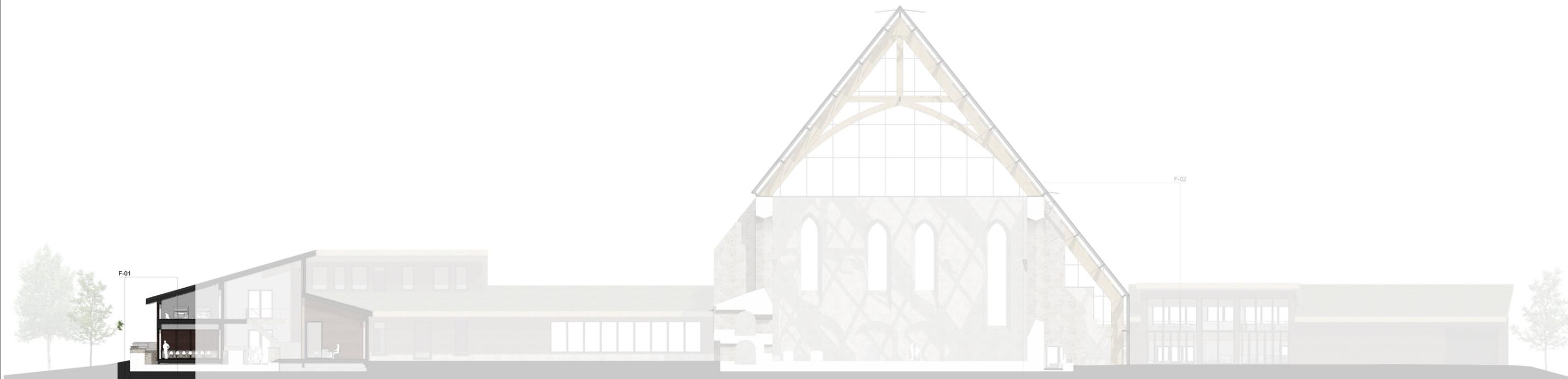


1.
RECREATING SHAPES
Design with historic forms.

2.
UNIVERSAL DESIGN
Accessible for everyone.

3.
PLEASANT ACOUSTICS
Soundproof materials.

4.
LOCAL MATERIALS
Natural prefabricated elements.

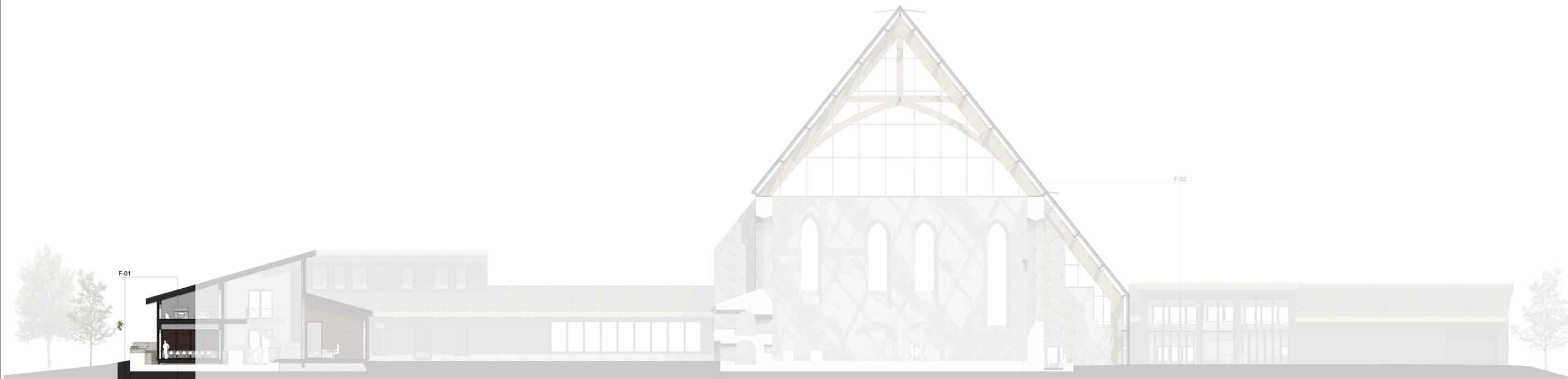


1.
RECREATING SHAPES
Design with historic forms.

2.
UNIVERSAL DESIGN
Accessible for everyone.

3.
PLEASANT ACOUSTICS
Soundproof materials.

4.
LOCAL MATERIALS
Kerto LVL T-stud timber frames.





1.
RECREATING SHAPES
Design with historic forms.

2.
UNIVERSAL DESIGN
Accessible for everyone.

3.
PLEASANT ACOUSTICS
Soundproof materials.

4.
LOCAL MATERIALS
Kerto Ripa open box slab.





1.
RECREATING SHAPES
Design with historic forms.

2.
UNIVERSAL DESIGN
Accessible for everyone.

3.
PLEASANT ACOUSTICS
Soundproof materials.

4.
LOCAL MATERIALS
Aikkon acoustic ceiling.





1.
RECREATING SHAPES
Design with historic forms.

2.
UNIVERSAL DESIGN
Accessible for everyone.

3.
PLEASANT ACOUSTICS
Optimal layout and materials.

4.
LOCAL MATERIALS
Wooden finishes.



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UNIVERSAL DESIGN
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3.
PLEASANT ACOUSTICS
Optimal layout and materials.

4.
LOCAL MATERIALS
Thermory wooden cladding.

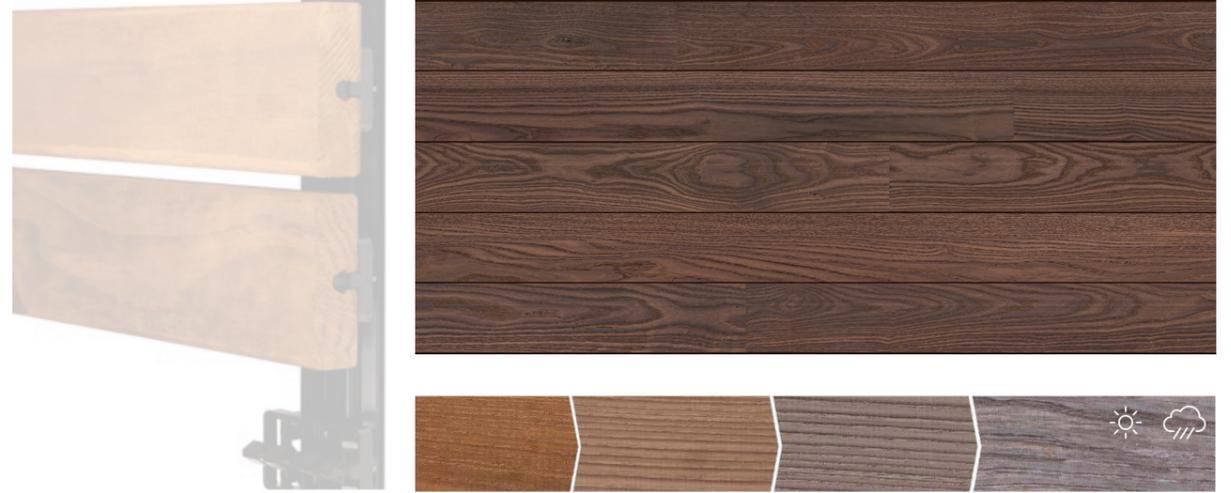


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LOCAL MATERIALS
MagnorVinduet window frames.







MUUSIKLOOSTRI