

CONTARINI TOWER AND EASTERN CITY GATE



RENIER ARTILLERY PLATFORM



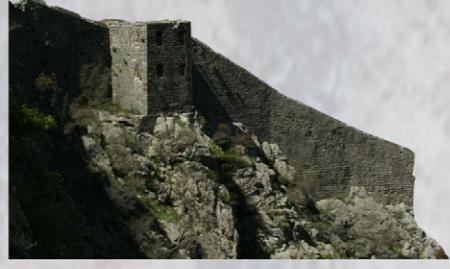
BATAGLIA ARTILLERY PLATFORM



SORANZO POSITION



SAN GIOVANNI (SAINT JOHN) FORTRESS



LOREDAN TOWER



BASTION RIVA



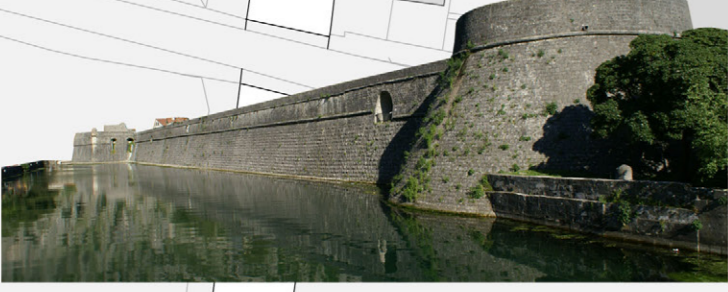
SAN STEPHANO



NORTHERN CITY GATE



BEMBO BASTION



CITADELLA BASTION AND NORTHERN CORTINA



CORNER BASTION



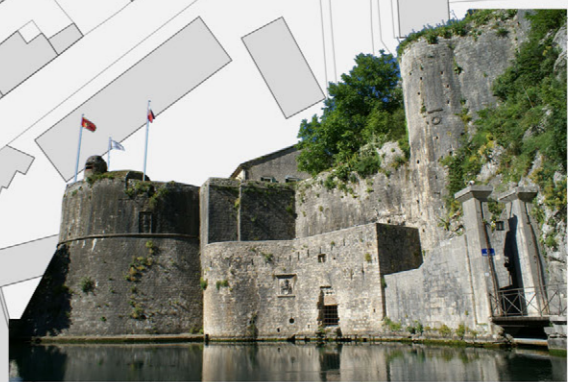
CAMPANA BASTION



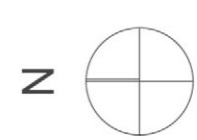
PORTA MARINA, THE MAIN CITY GATE

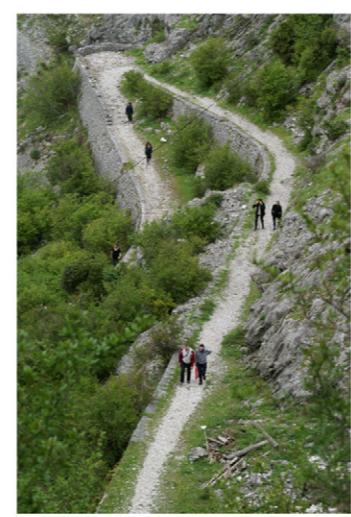
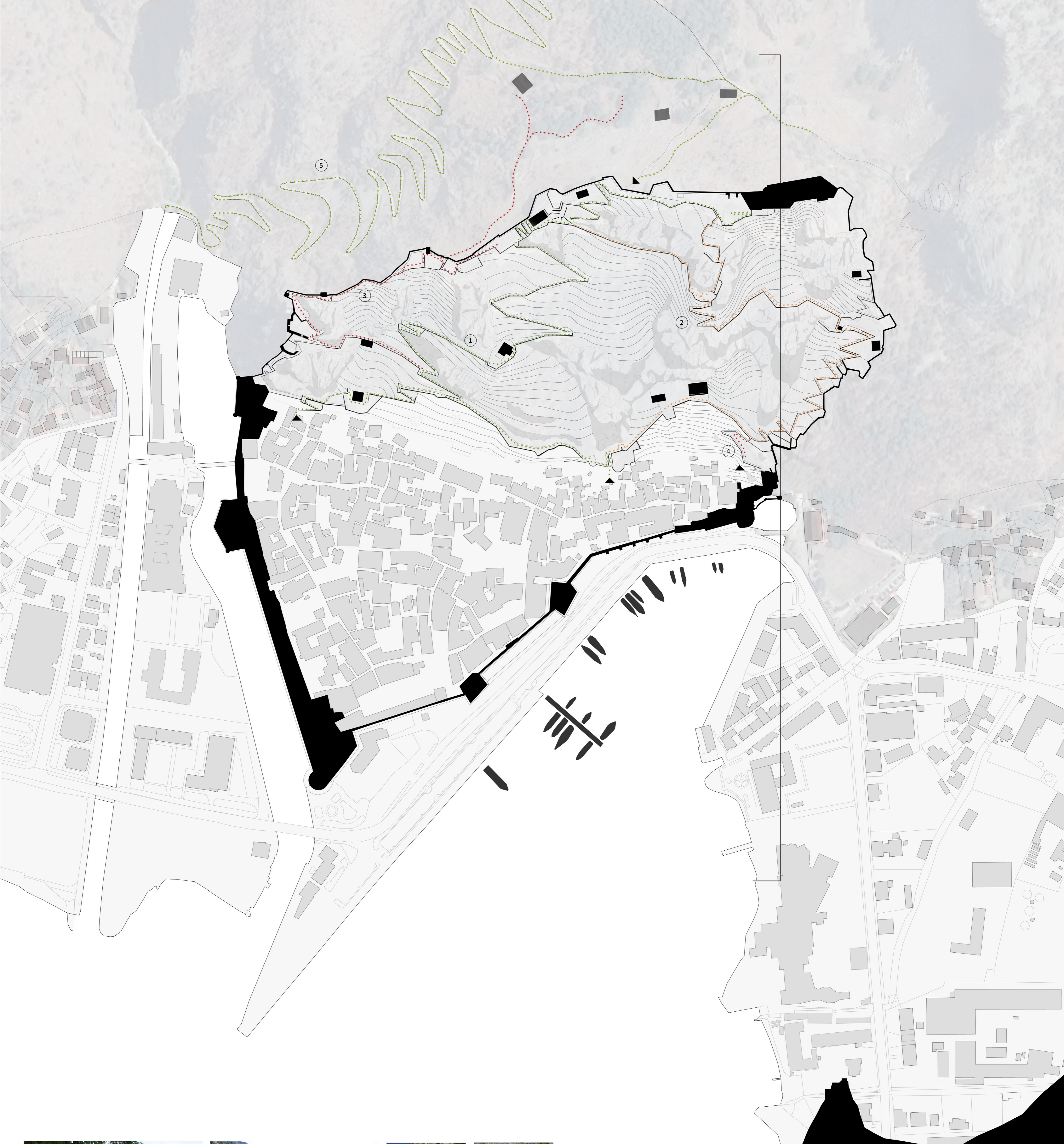


WESTERN CITY GATE



BASTION GURDIC AND SOUTHERN CITY GATE





1

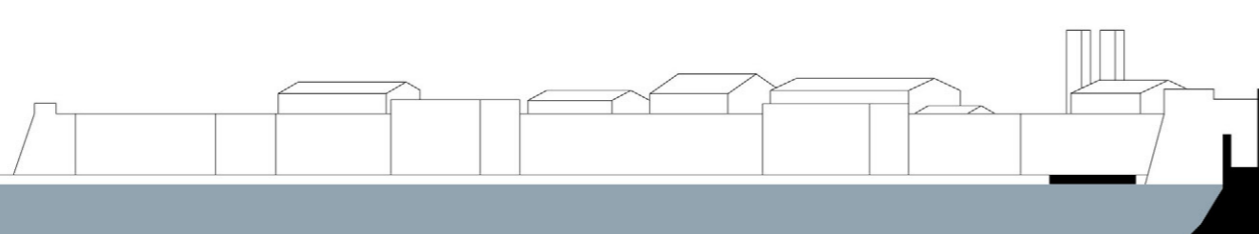
2

3

4

5

- ACCESSIBLE AND SAFE
- PARTIALLY ACCESSIBLE AND UNSAFE
- NON ACCESSIBLE AND UNSAFE
- ▲ ENTRANCE POINT

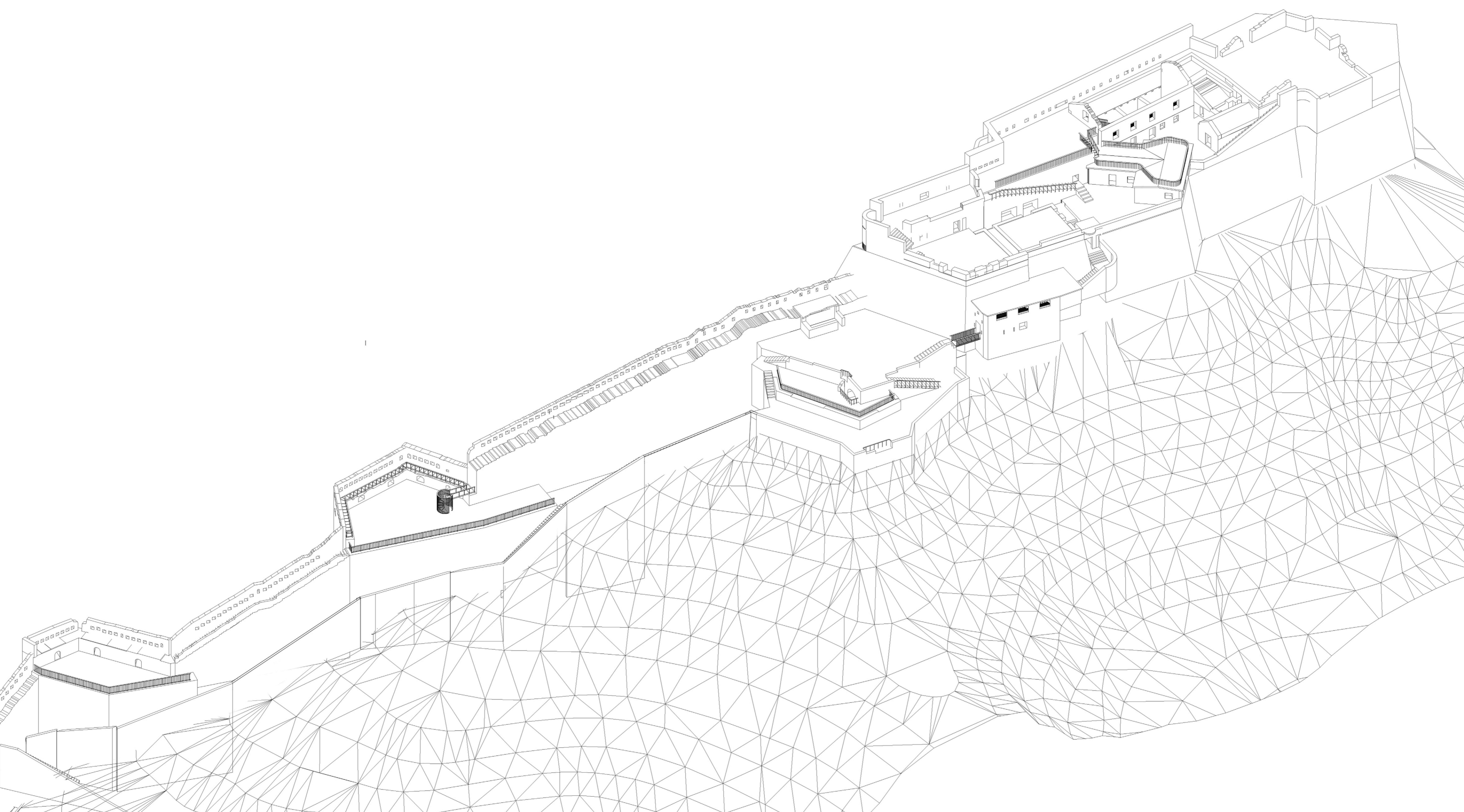


POLITECNICO DI MILANO  
Thesis project  
Student: Andrija Brkanovic  
Professor: Del Curto Davide

FORTIFICATION SYSTEM OF SAN GIOVANNI HILL



ACCESSIBILITY MAP  
TERRAIN SECTION

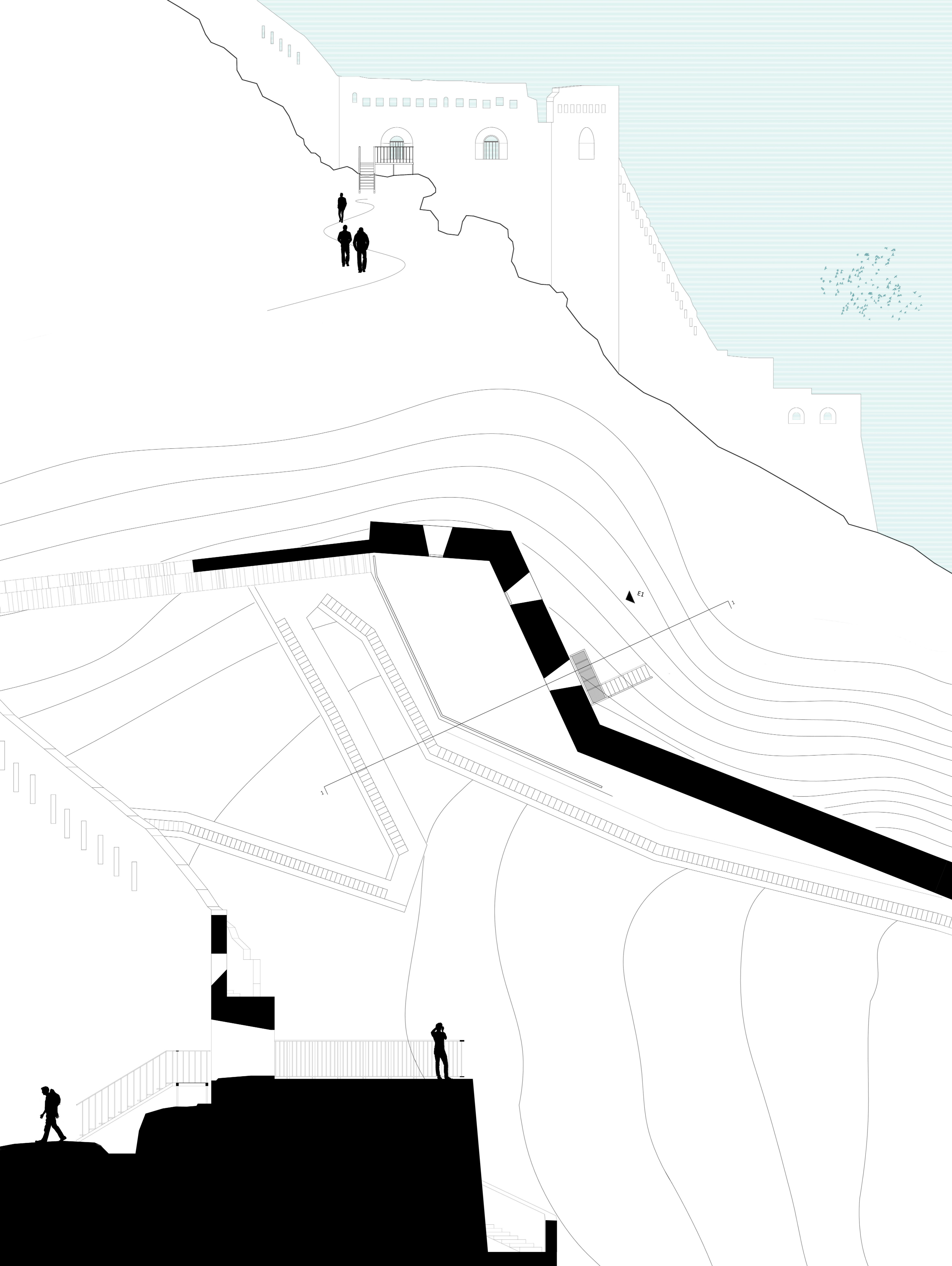


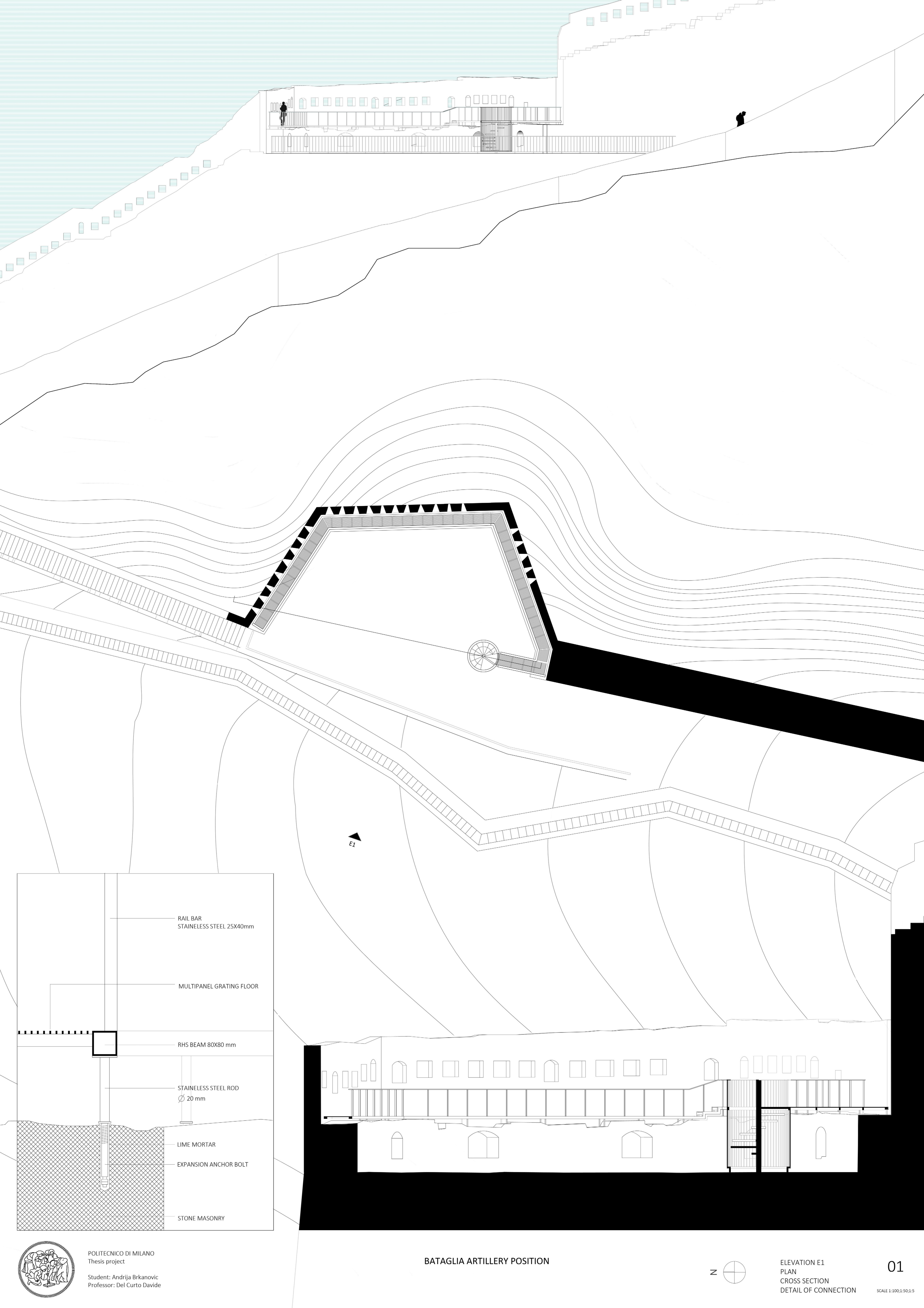
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VENETIAN MILITARY BARRACK



CONSTRUCTION DETAILS





RAIL BAR  
STAINLESS STEEL 25X40mm

MULTIPANEL GRATING FLOOR

RHS BEAM 80X80 mm

STAINLESS STEEL ROD  
Ø 20 mm

LIME MORTAR

EXPANSION ANCHOR BOLT

STONE MASONRY

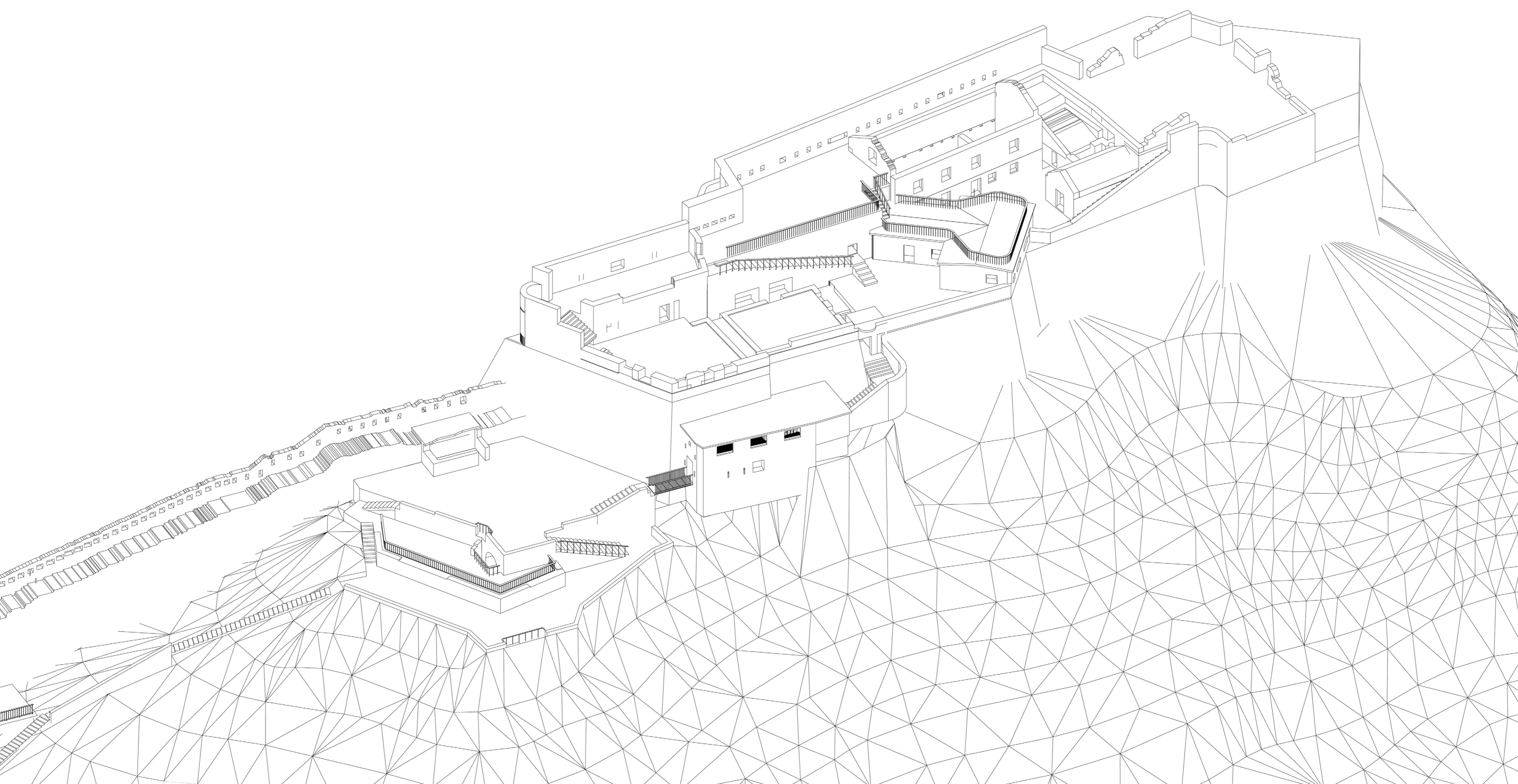
E1

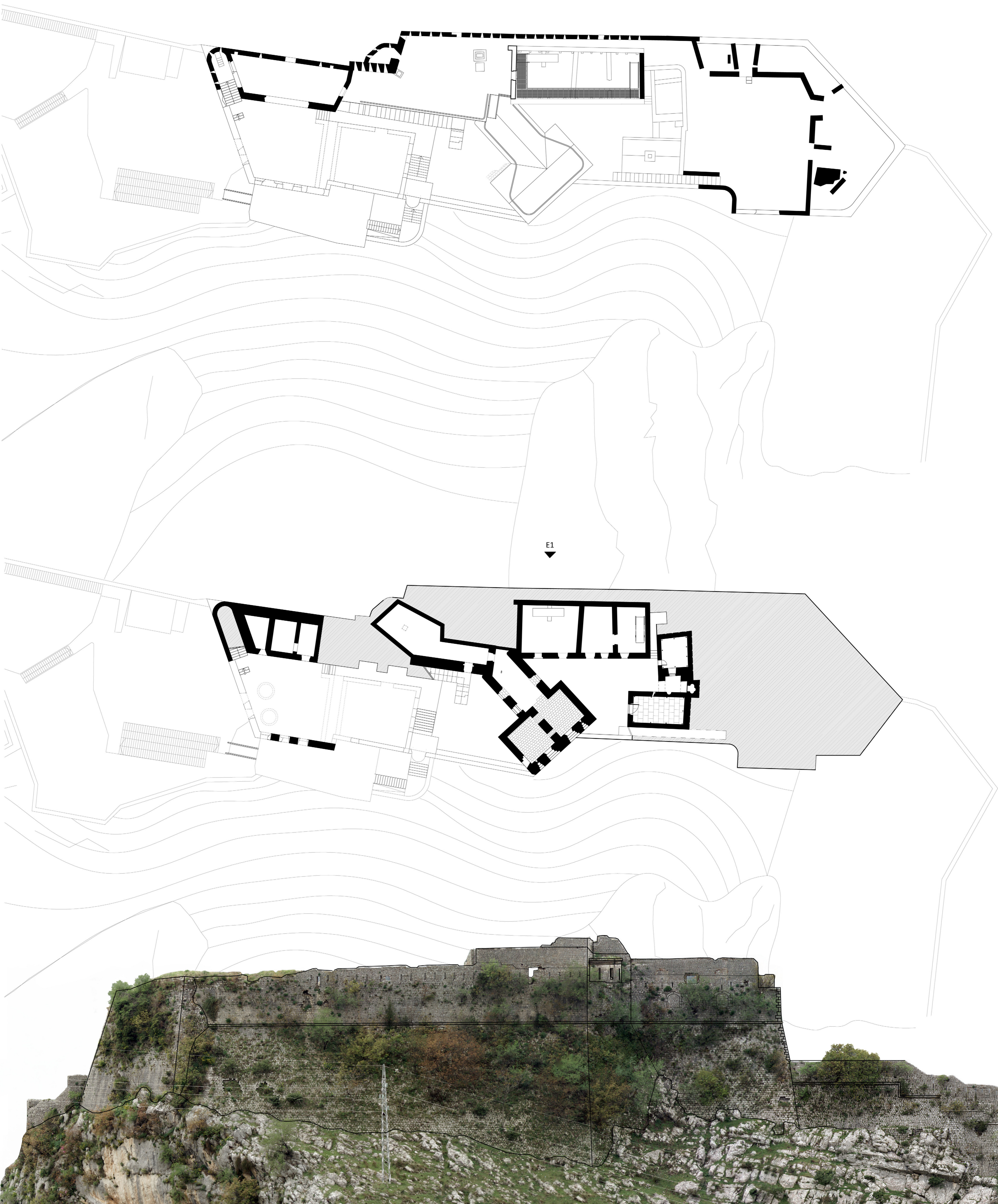
BATAGLIA ARTILLERY POSITION

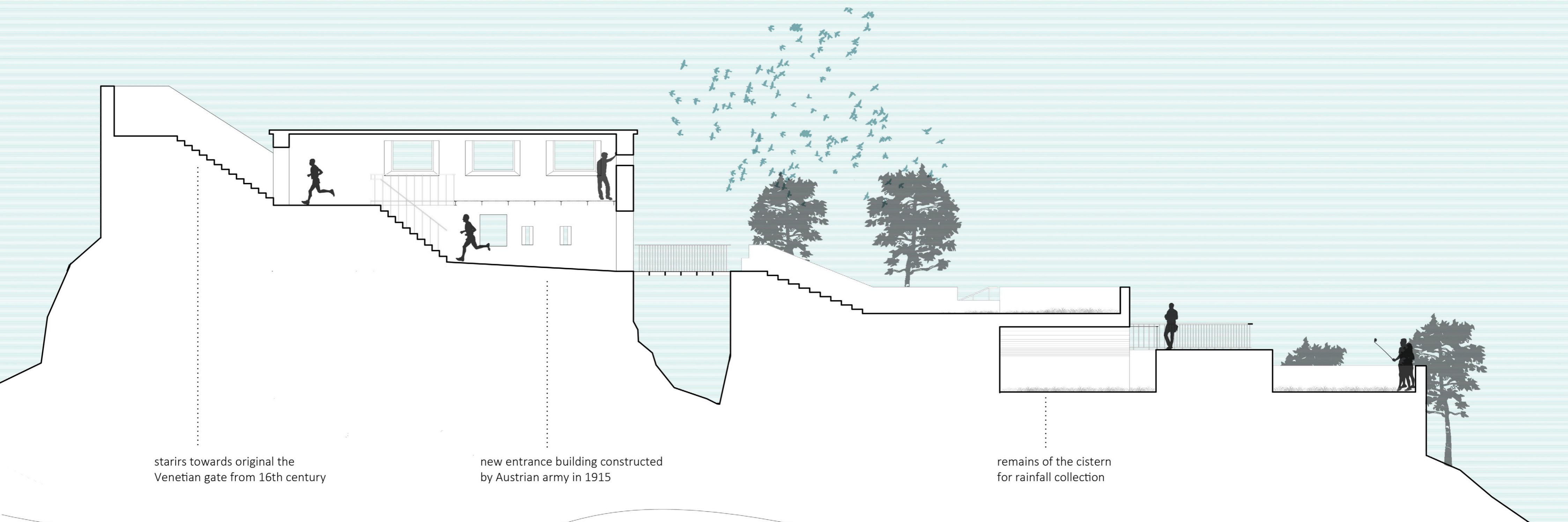


ELEVATION E1  
PLAN  
CROSS SECTION  
DETAIL OF CONNECTION





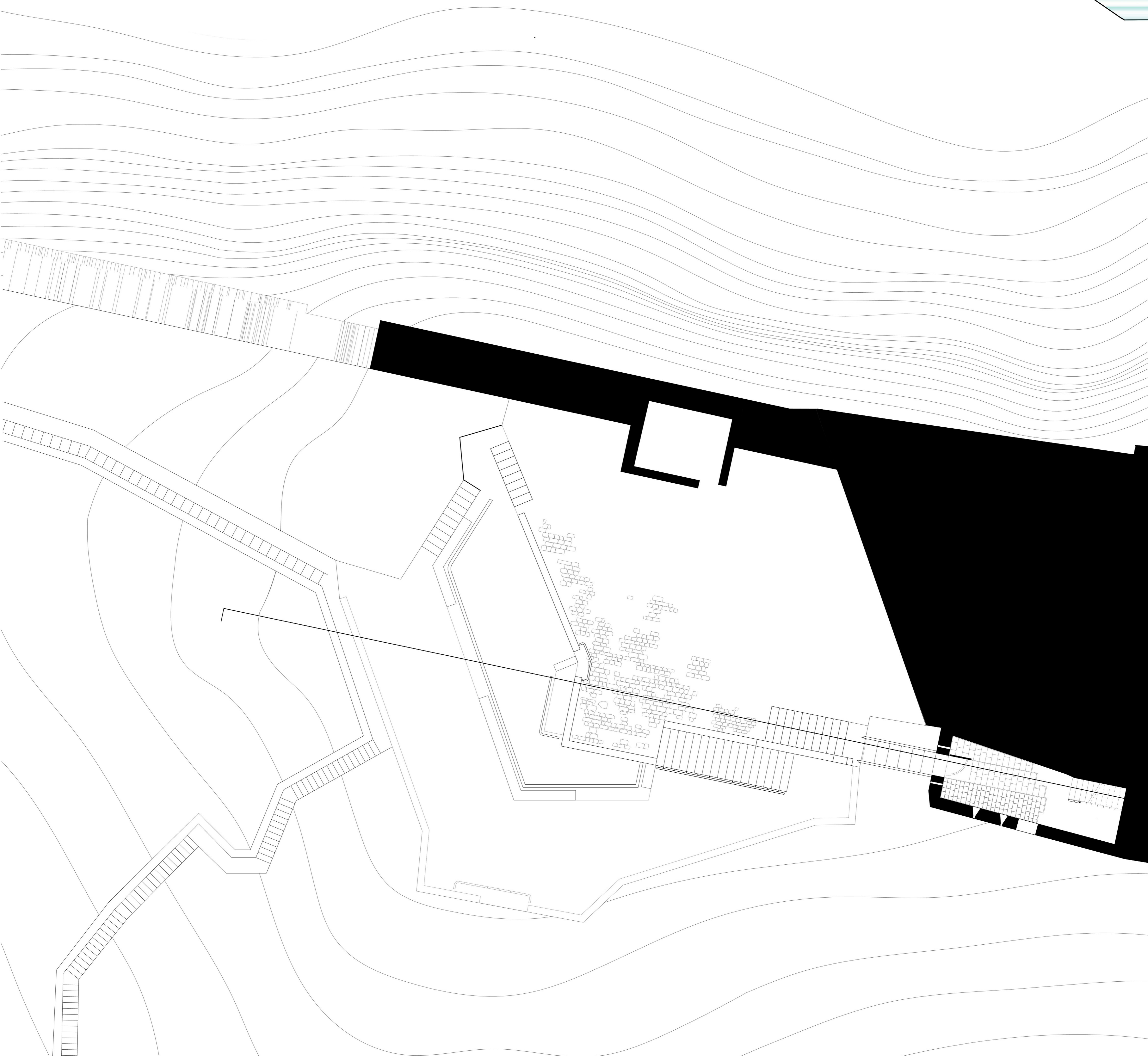




stairs towards original the Venetian gate from 16th century

new entrance building constructed by Austrian army in 1915

remains of the cistern for rainfall collection



ENTRANCE PIAZZA

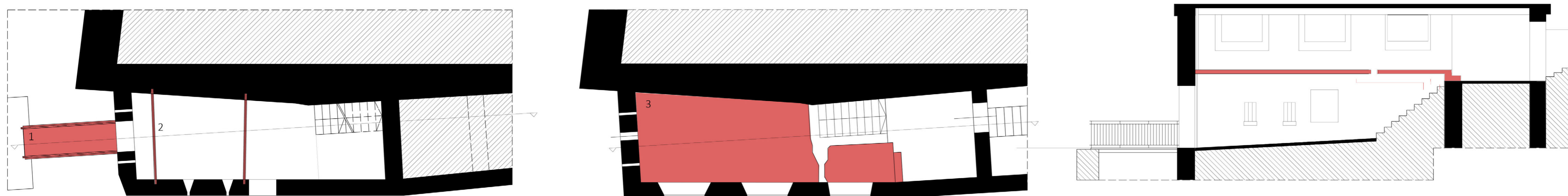
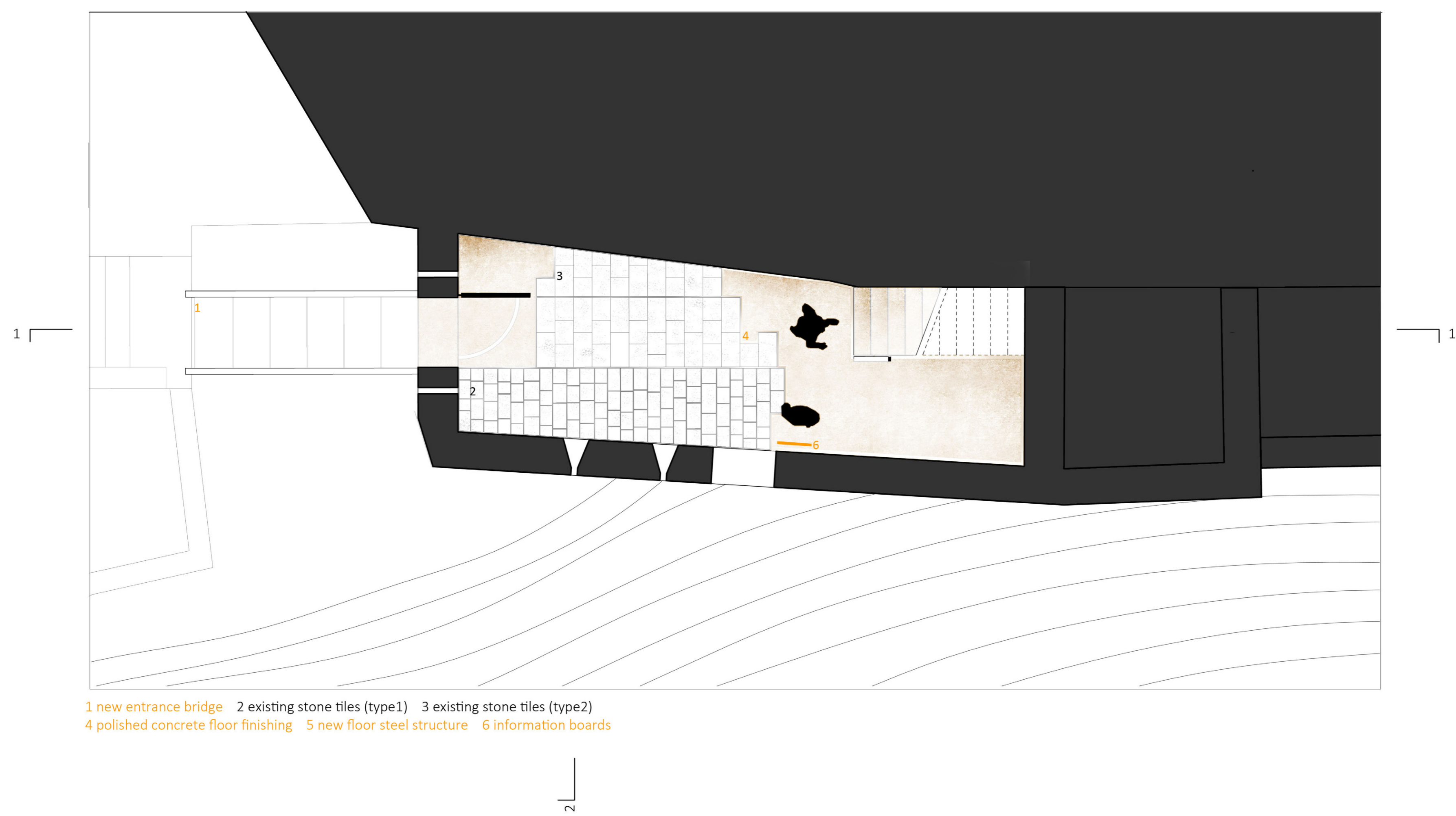
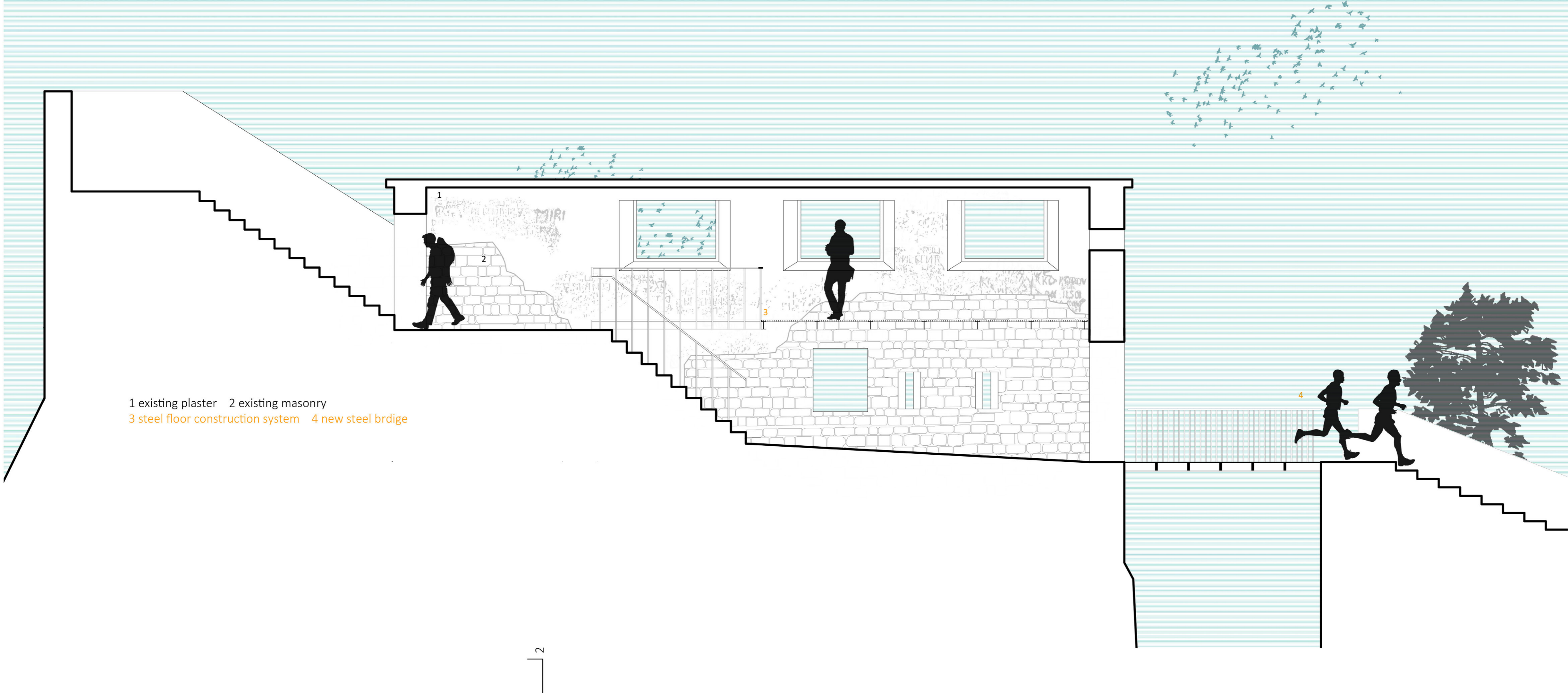


PIAZZAPLAN SECTION





AUSTRIAN ENTRANCE BUILDING



Demolition plan  
1. Steel entrance bridge  
2. Steel supporting beams  
3. First floor concrete slab



EXISTING LAYERS OF PLASTER



FIRST LEVEL INTERIOR VIEW



GROUND LEVEL INTERIOR VIEW



FIRST LEVEL INTERIOR VIEW



GROUND FLOOR

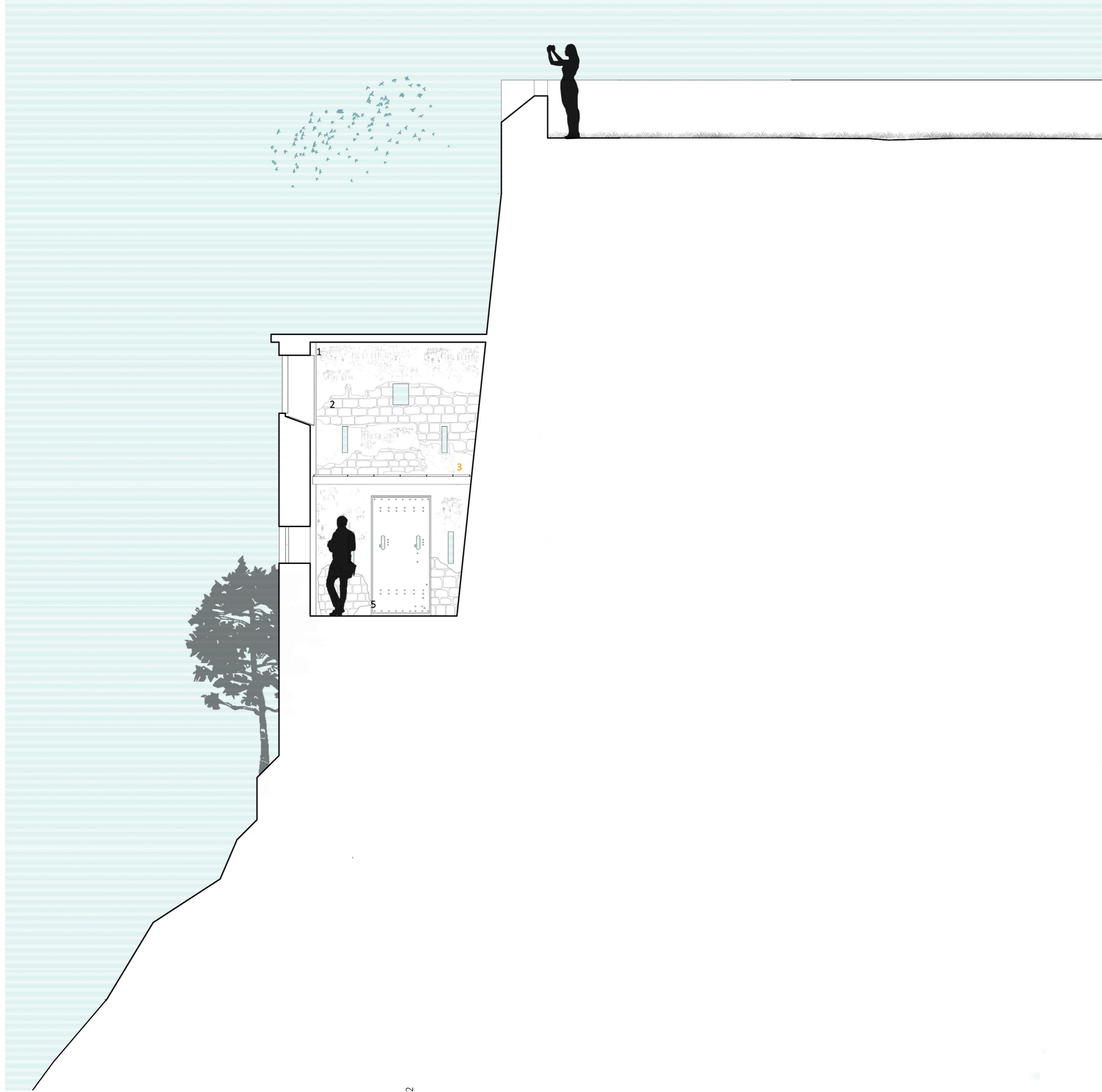


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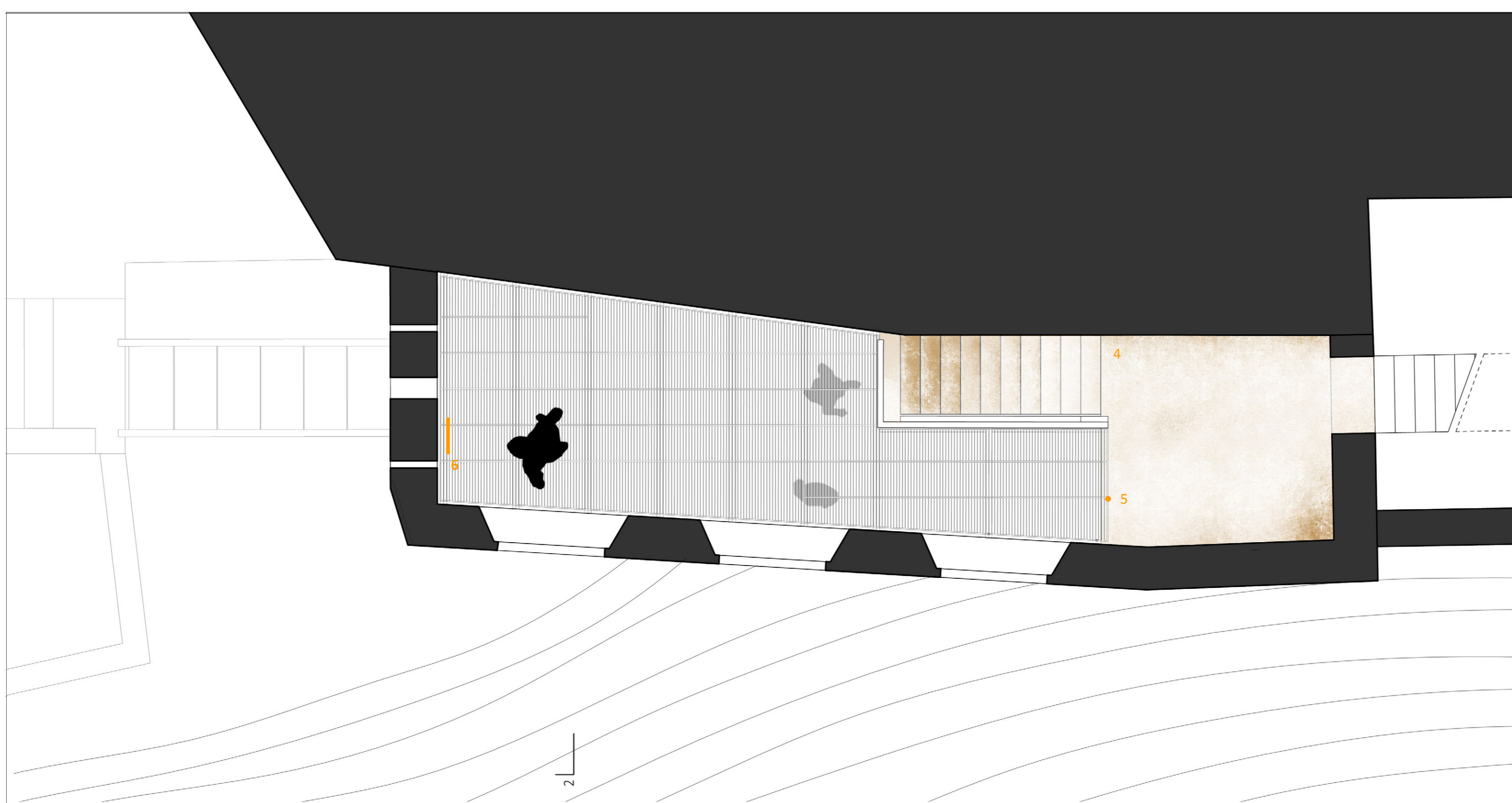
AUSTRIAN ENTRANCE BUILDING



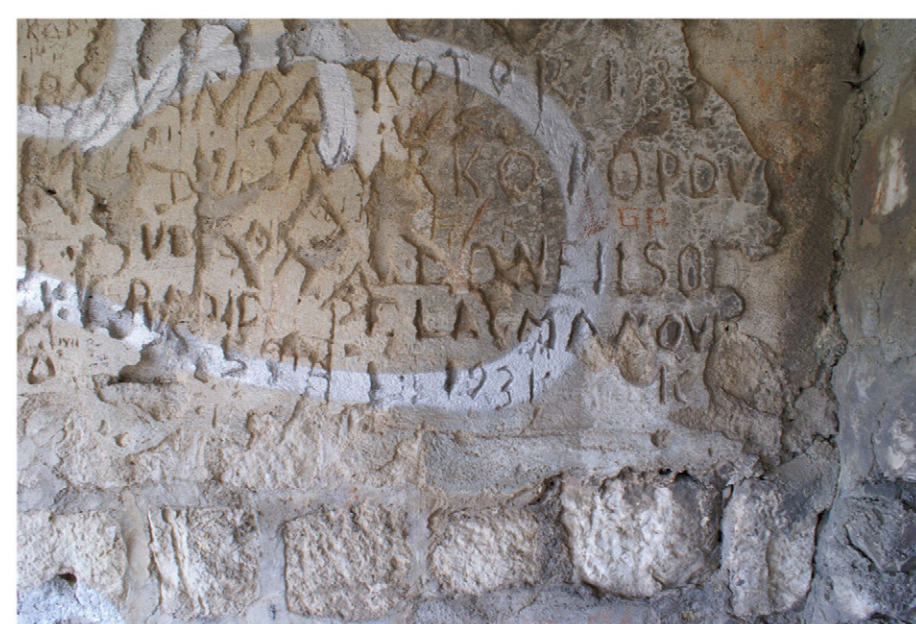
PHOTO SURVEY  
DEMOLITION PLAN  
GROUND FLOOR PLAN  
SECTION 1-1

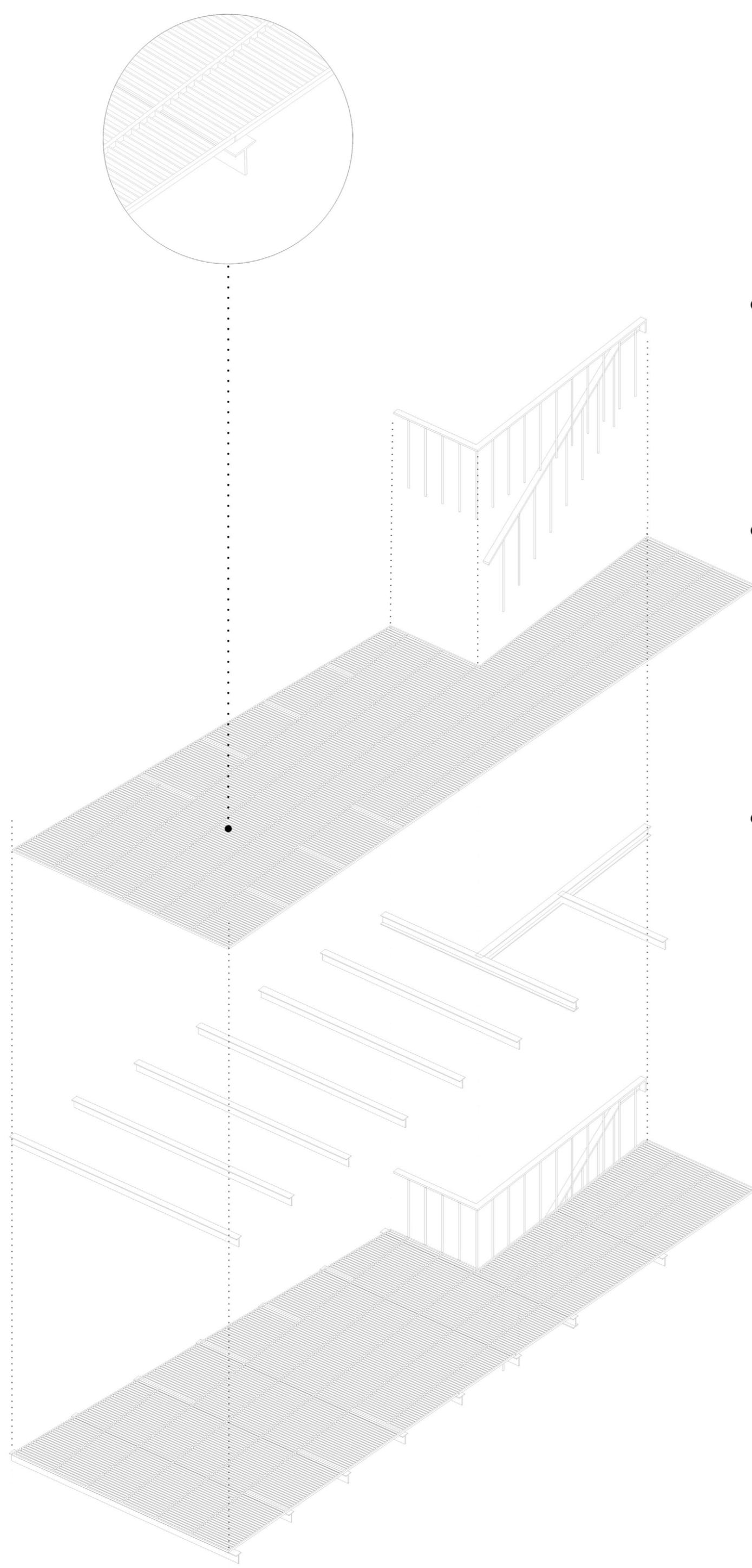


1 existing plaster 2 original masonry  
 3 steel floor construction system 5 original steel door

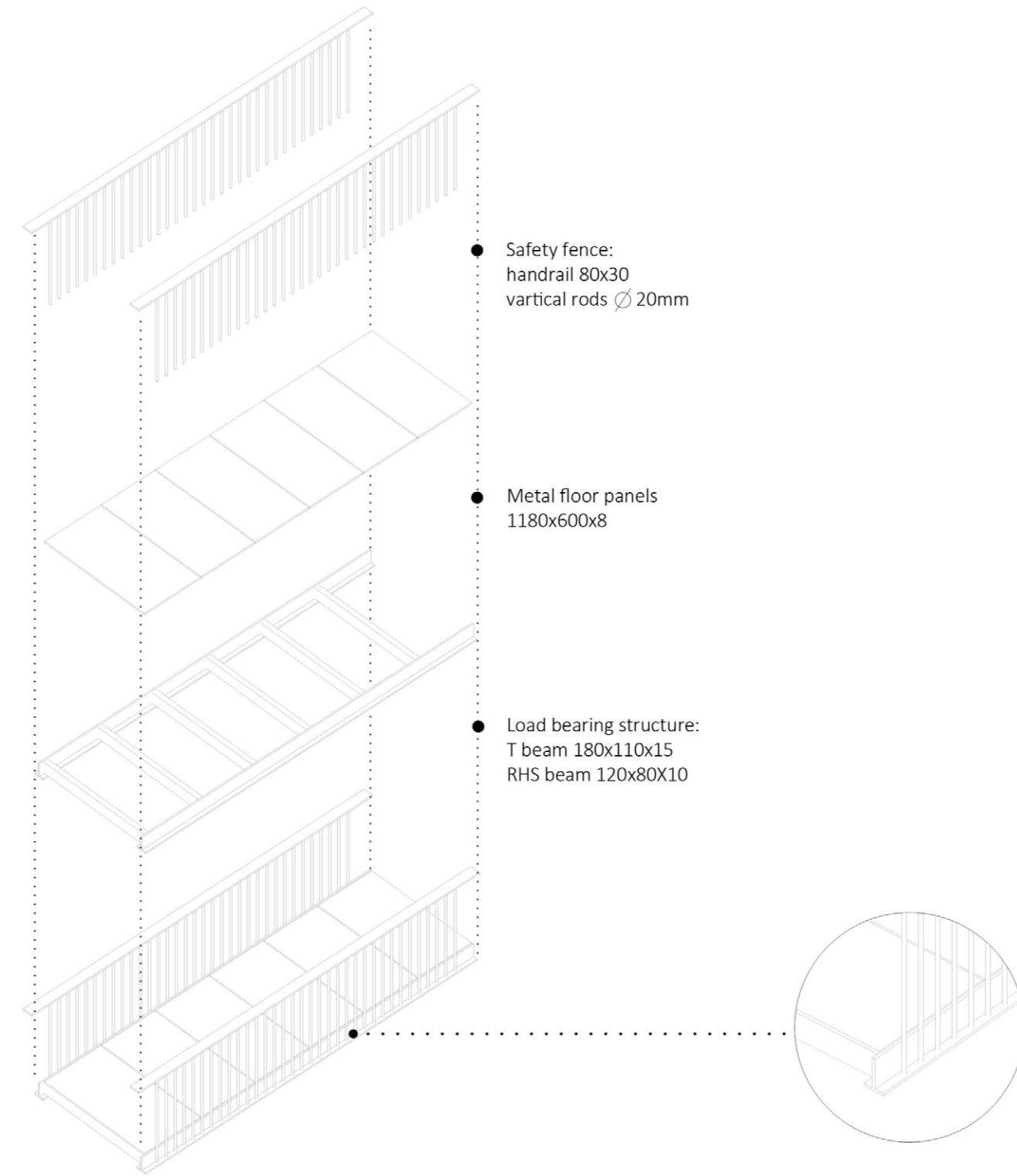


1 new entrance bridge 2 existing stone tiles (type1) 3 existing stone tiles (type2)  
 4 polished concrete floor finishing 5 new floor steel structure 6 information boards



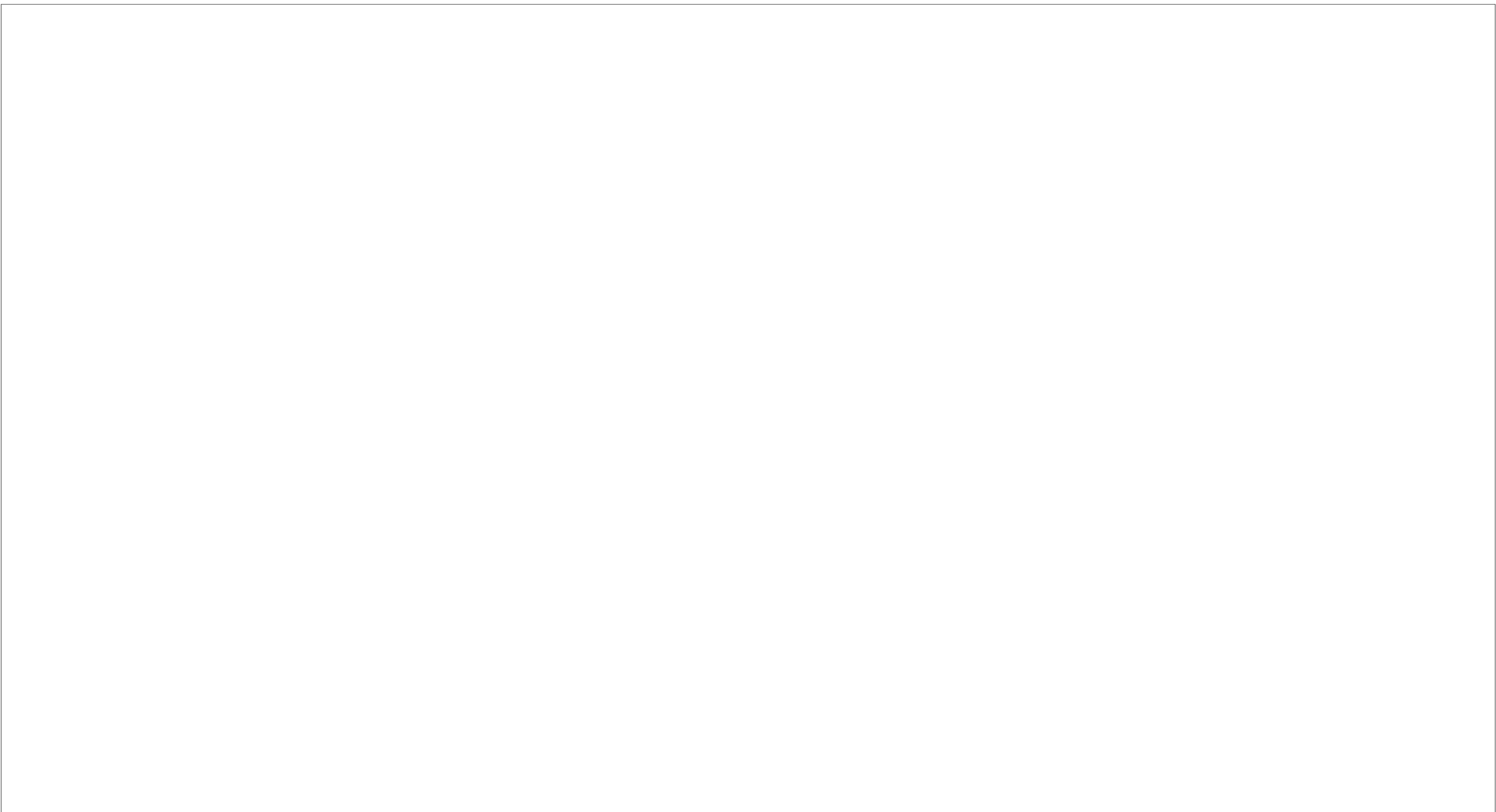


SCALE 1:50; 1:10



SCALE 1:50; 1:20

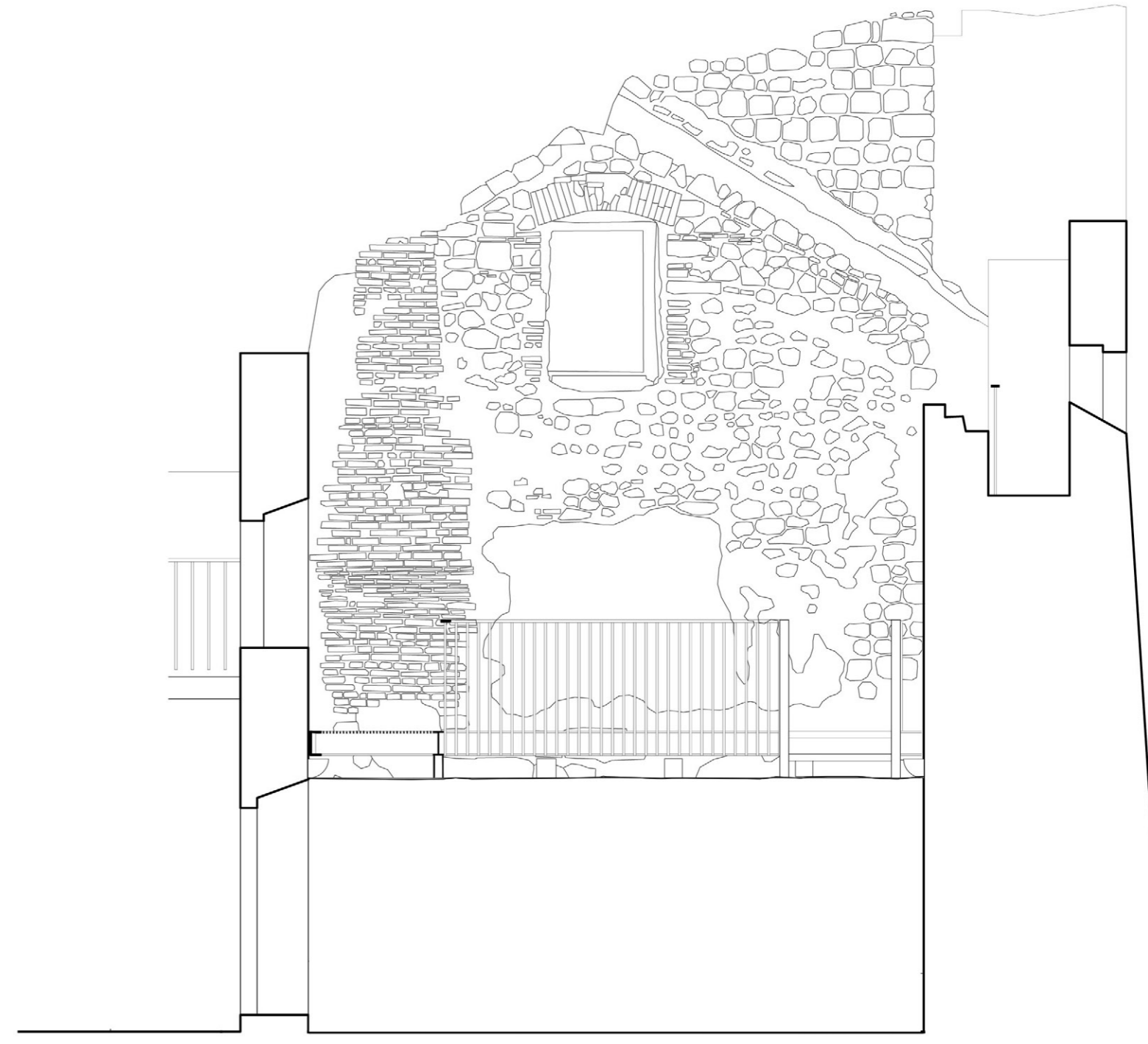
## CONSTRUCTION DETAILS



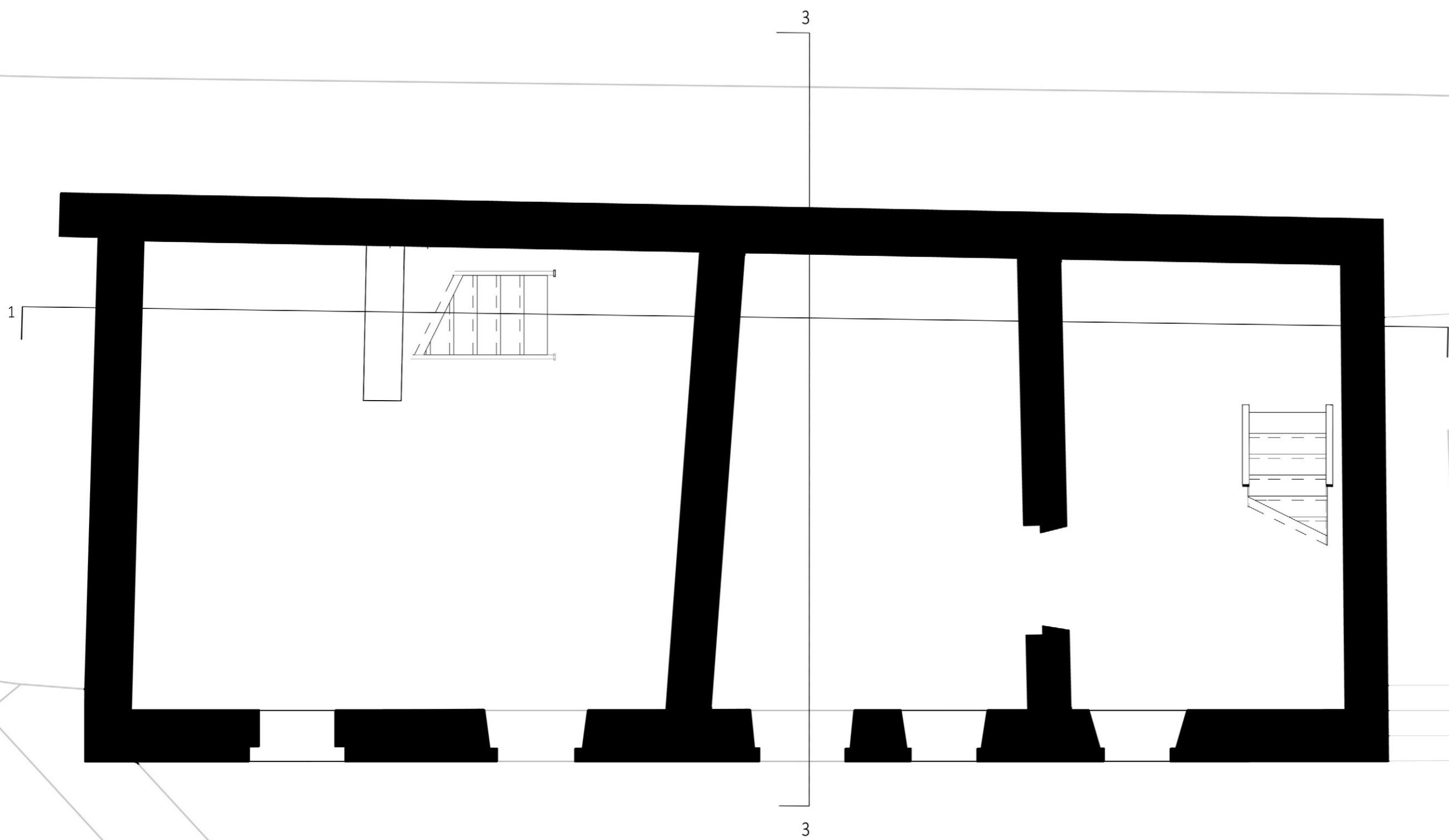
MILITARY BARRACK

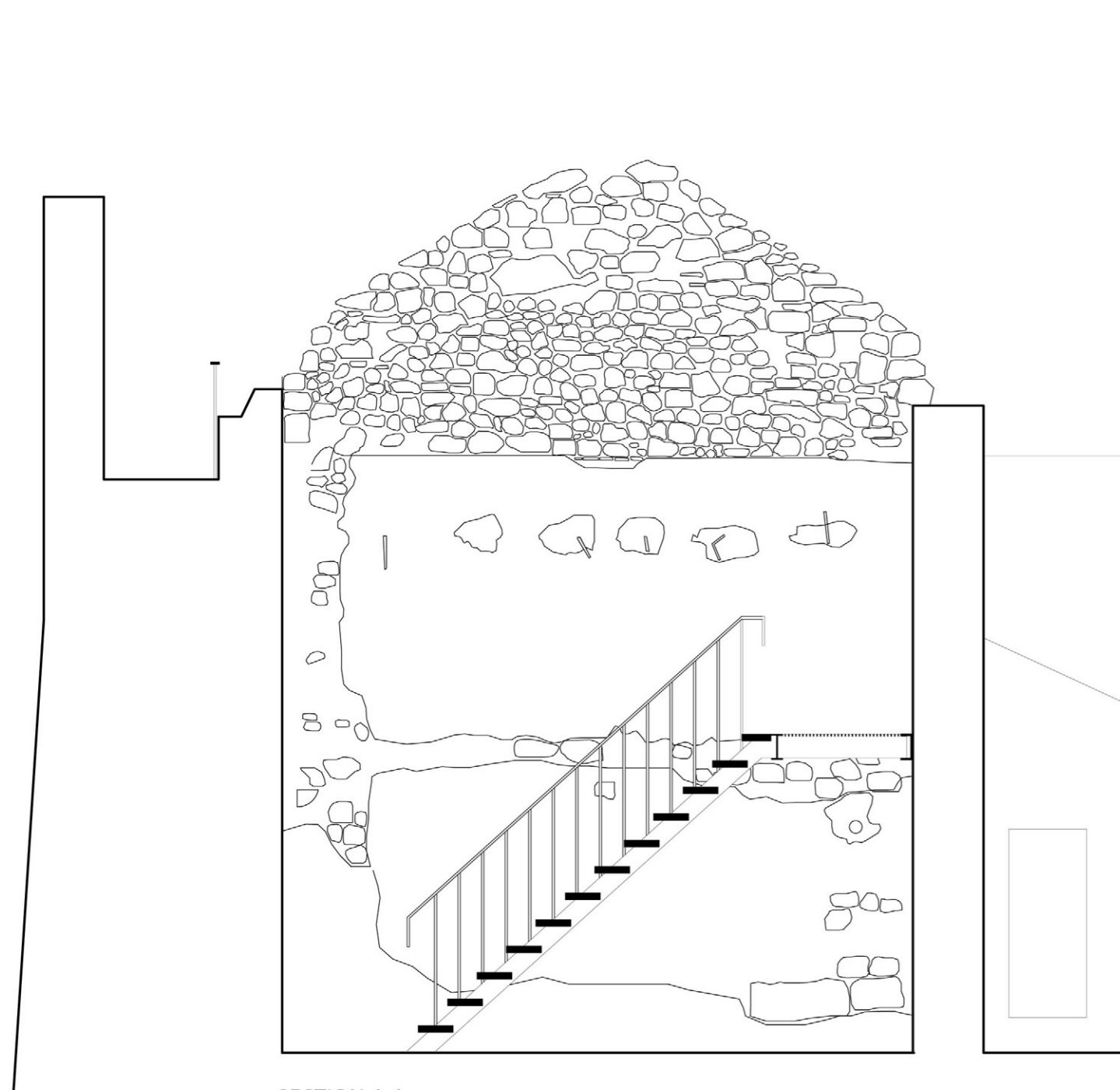


SECTION 1-1

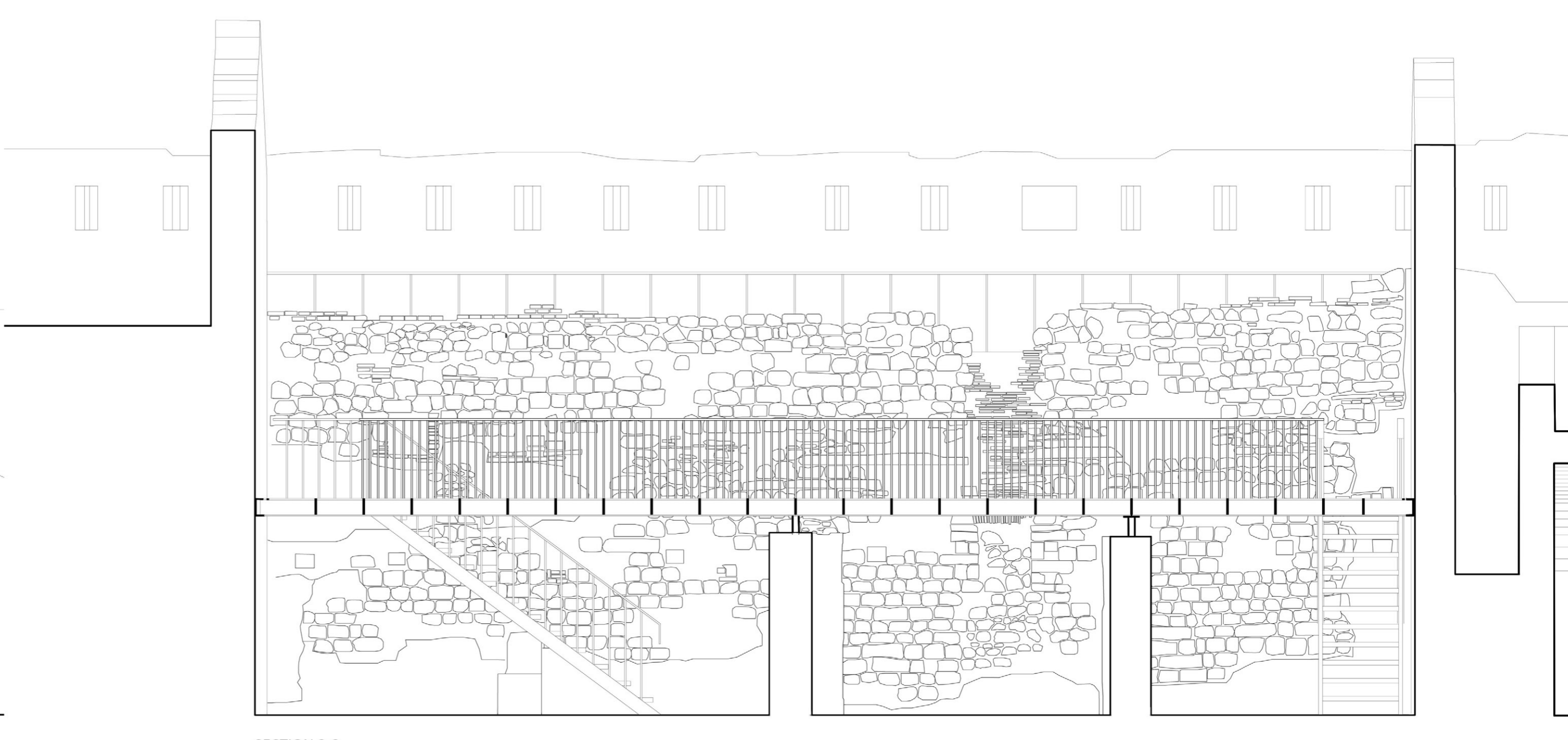


SECTION 3-3

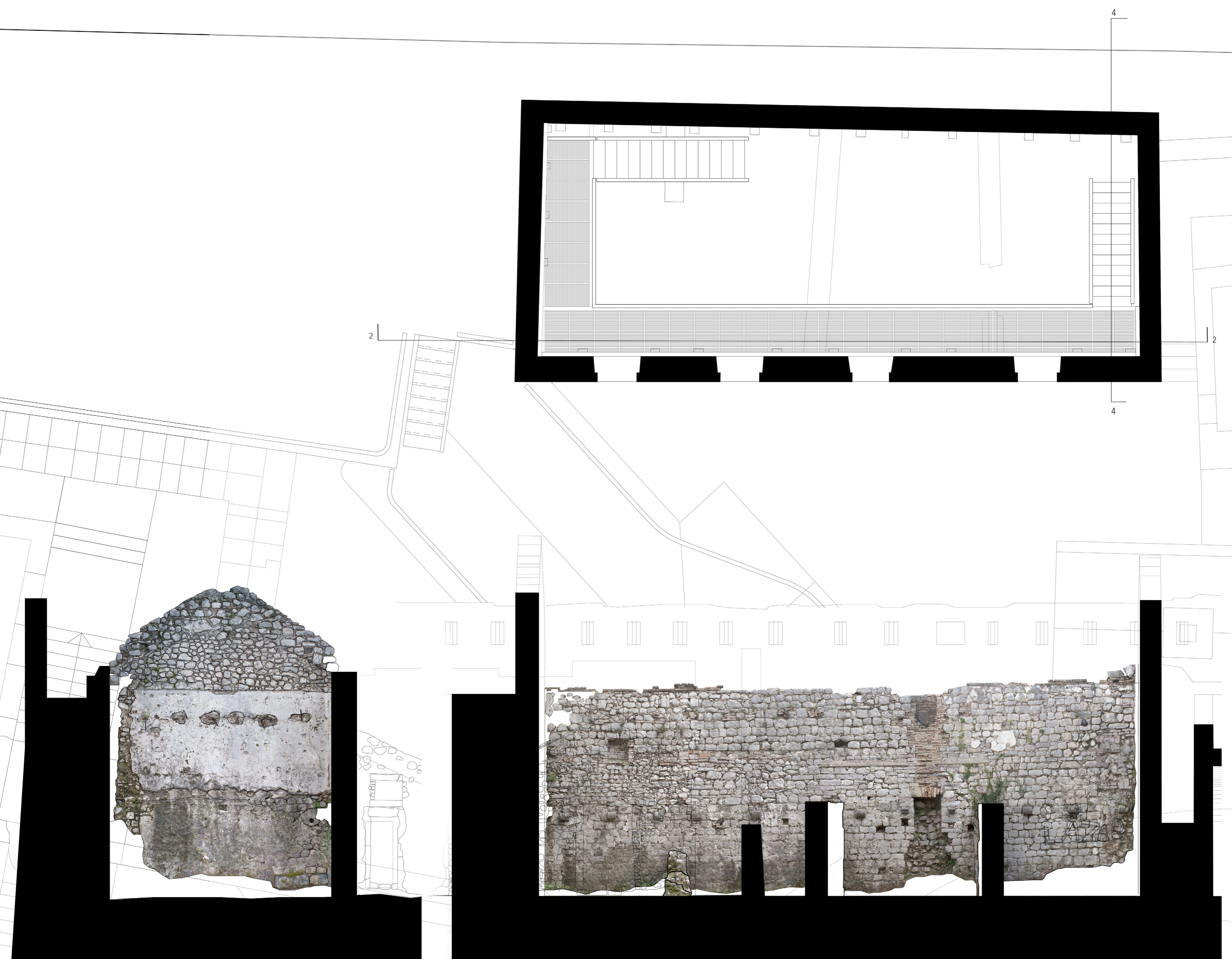




SECTION 4-4



SECTION 2-2

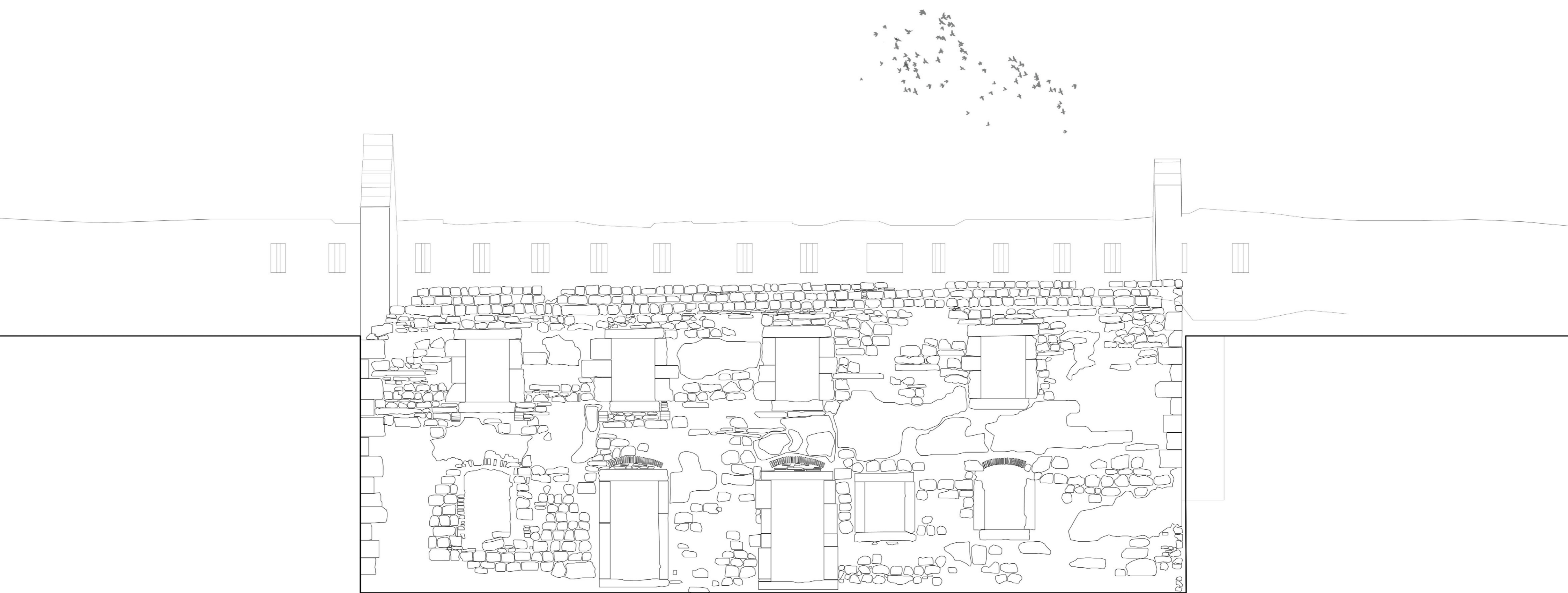


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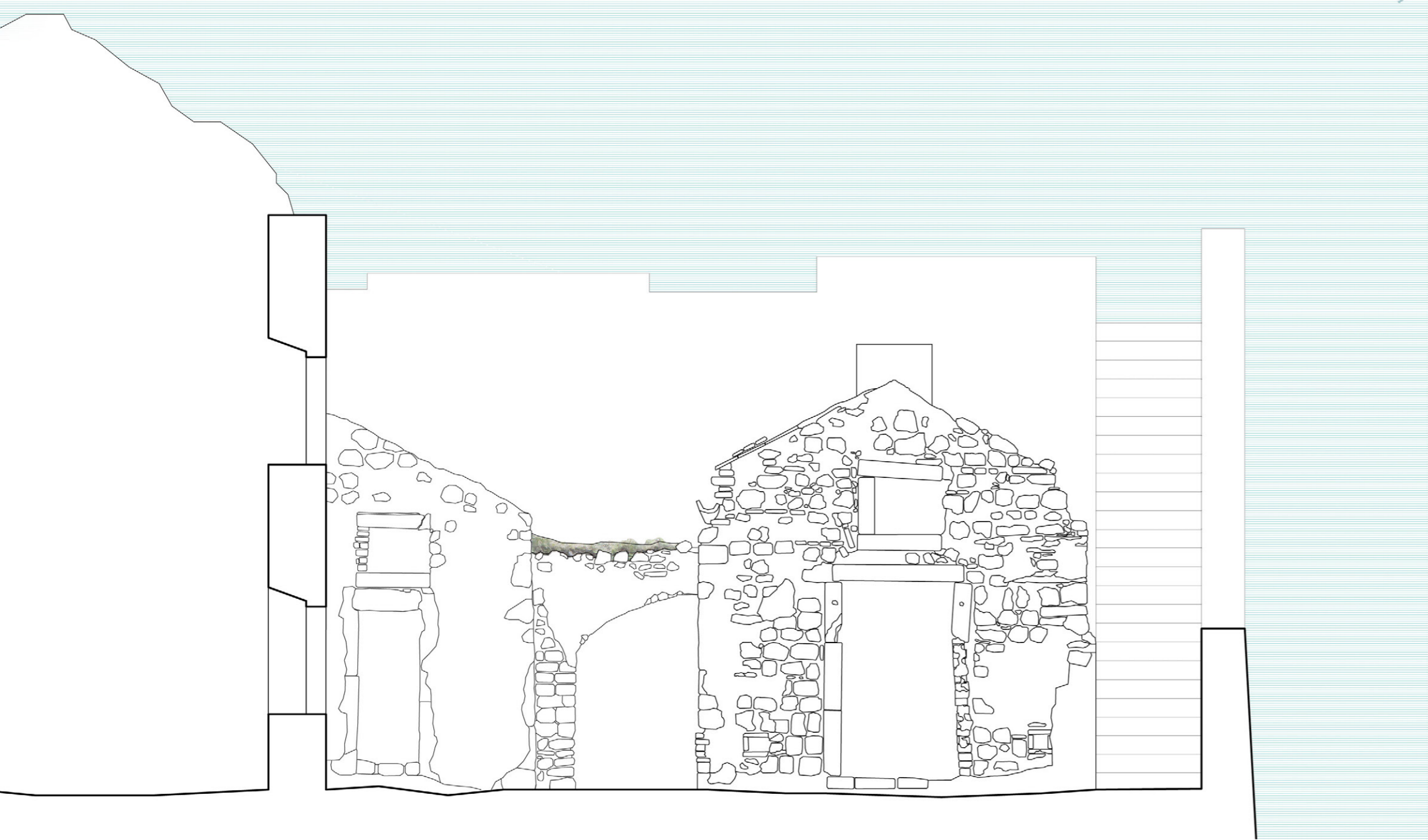


PHOTOGRAMMETRIC SURVEY 2-2 ; 4-4  
FIRST FLOOR PLAN  
SECTIONS 1-1; 3-3

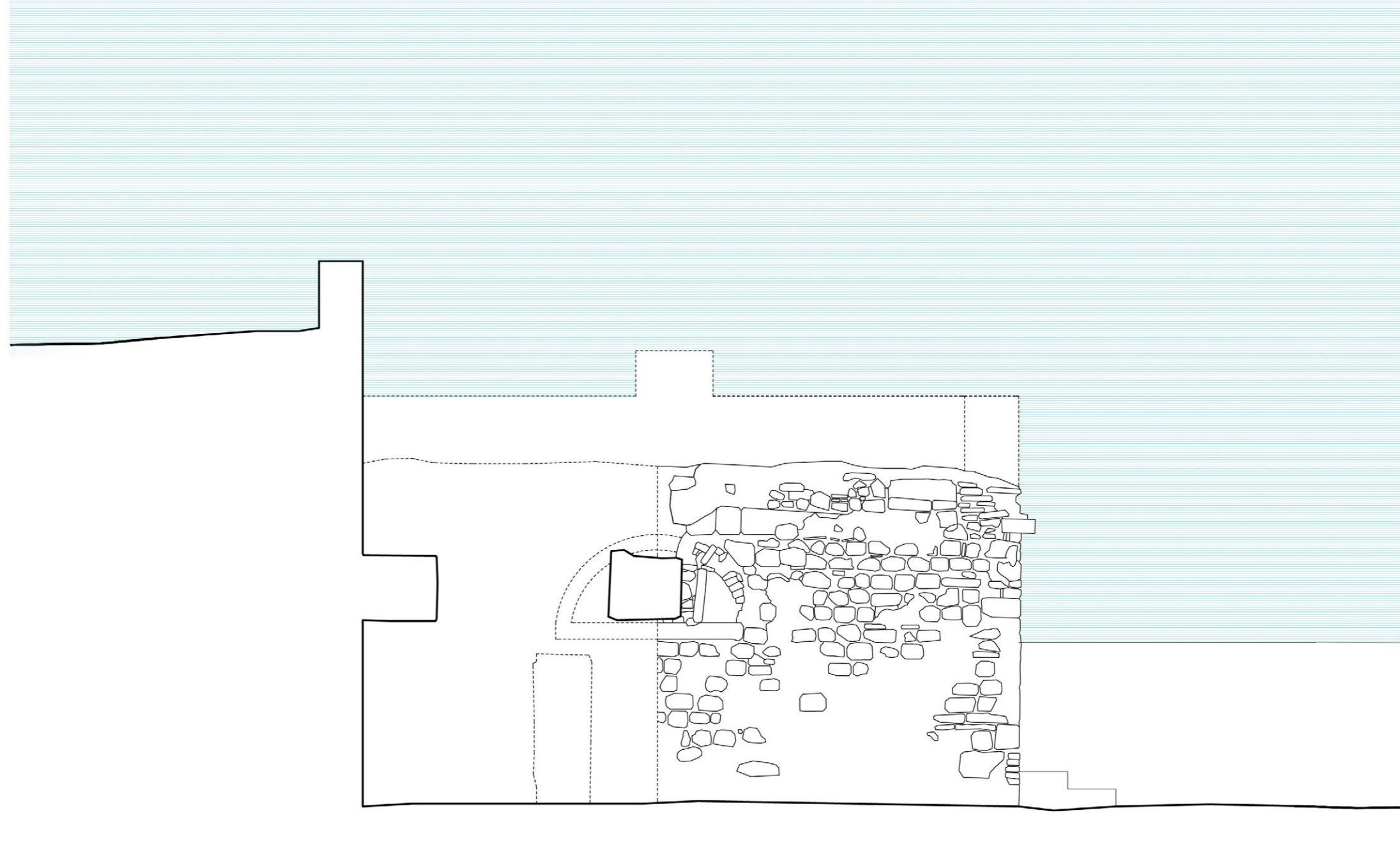




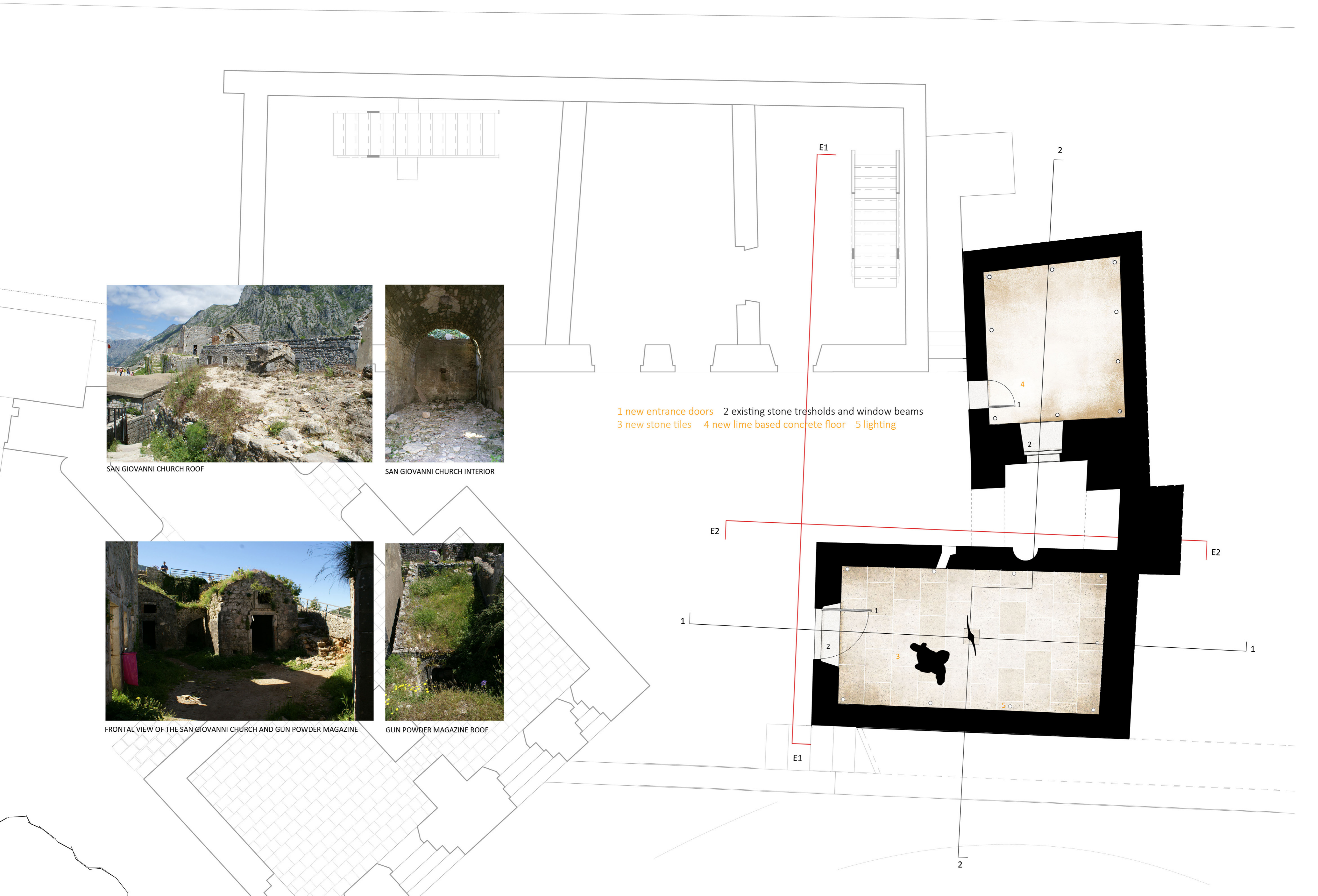
SAN GIOVANNI CHURCH AND GUN POWDER MAGAZINE



ELEVATION E1



ELEVATION E2



1 new entrance doors 2 existing stone thresholds and window beams  
 3 new stone tiles 4 new lime based concrete floor 5 lighting



SAN GIOVANNI CHURCH ROOF



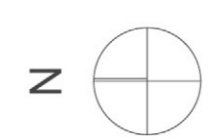
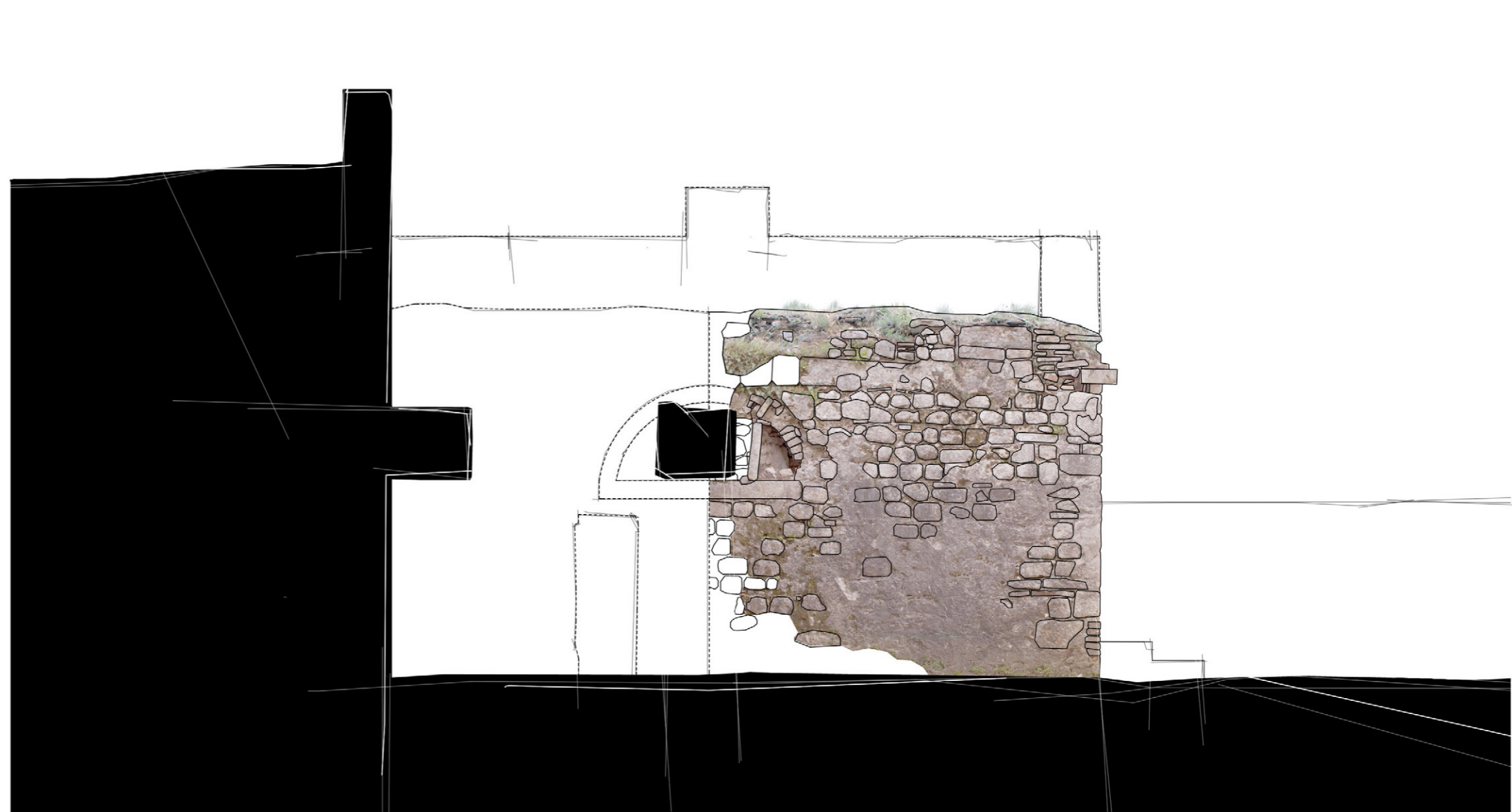
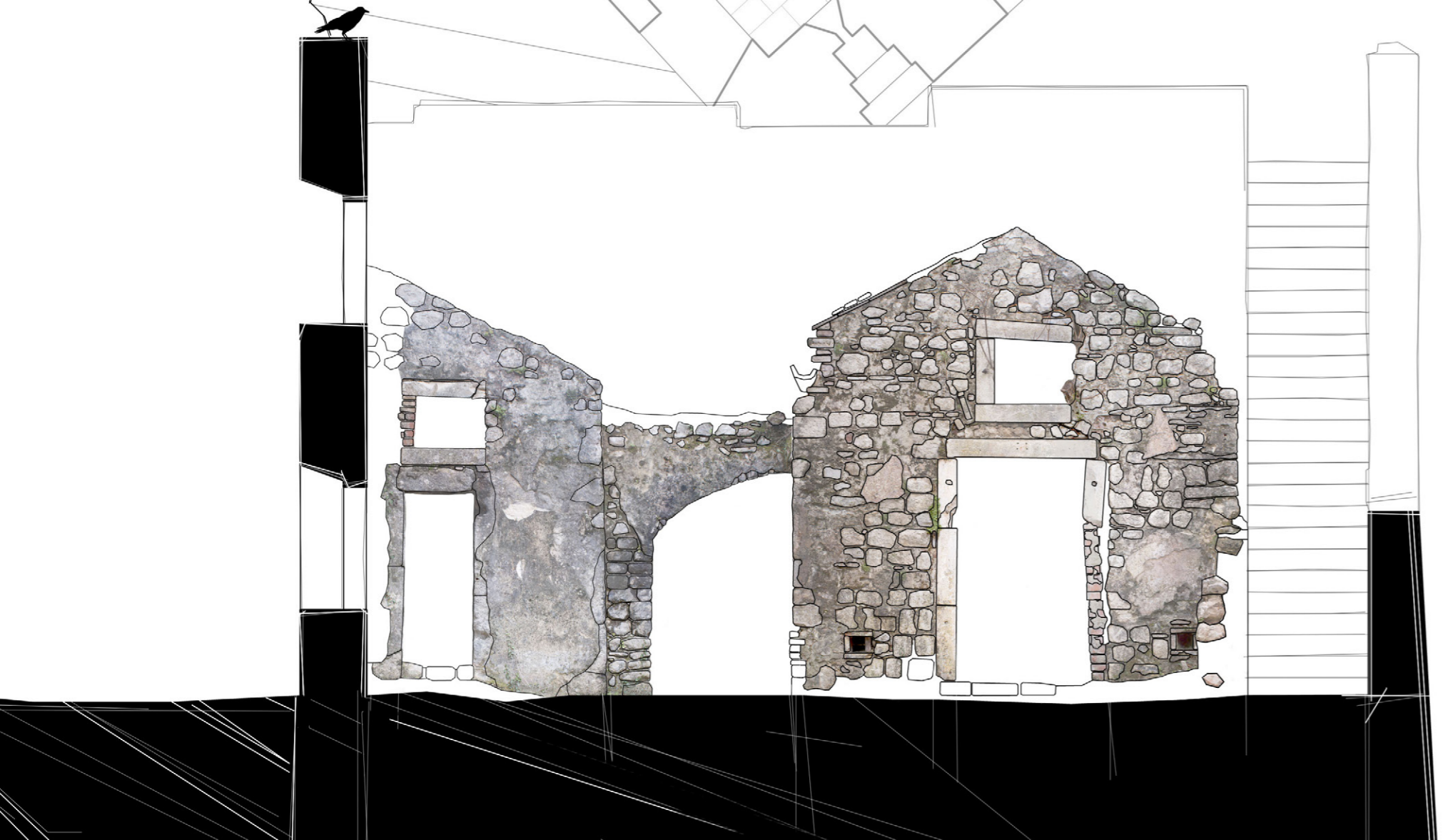
SAN GIOVANNI CHURCH INTERIOR

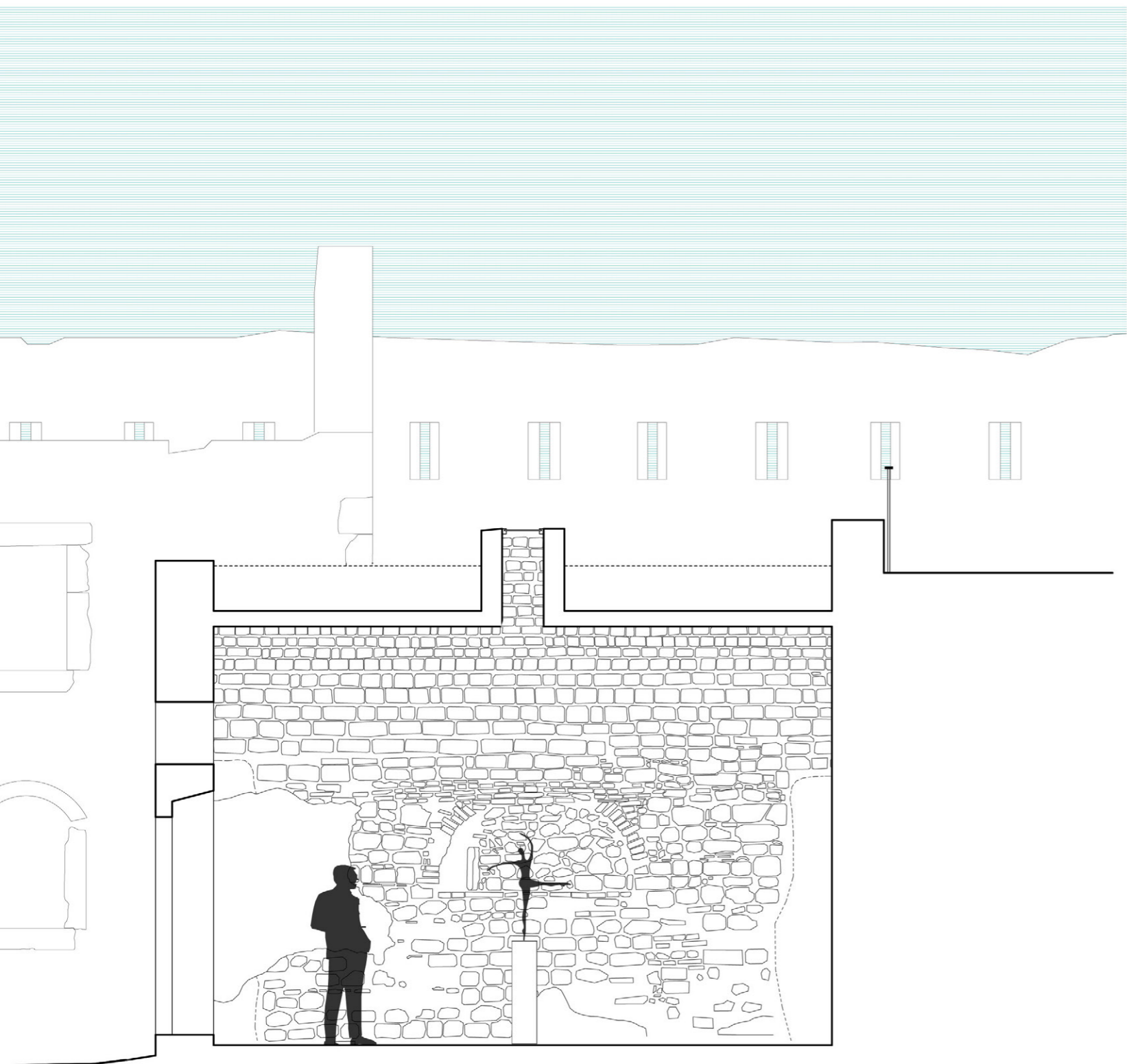


FRONTAL VIEW OF THE SAN GIOVANNI CHURCH AND GUN POWDER MAGAZINE

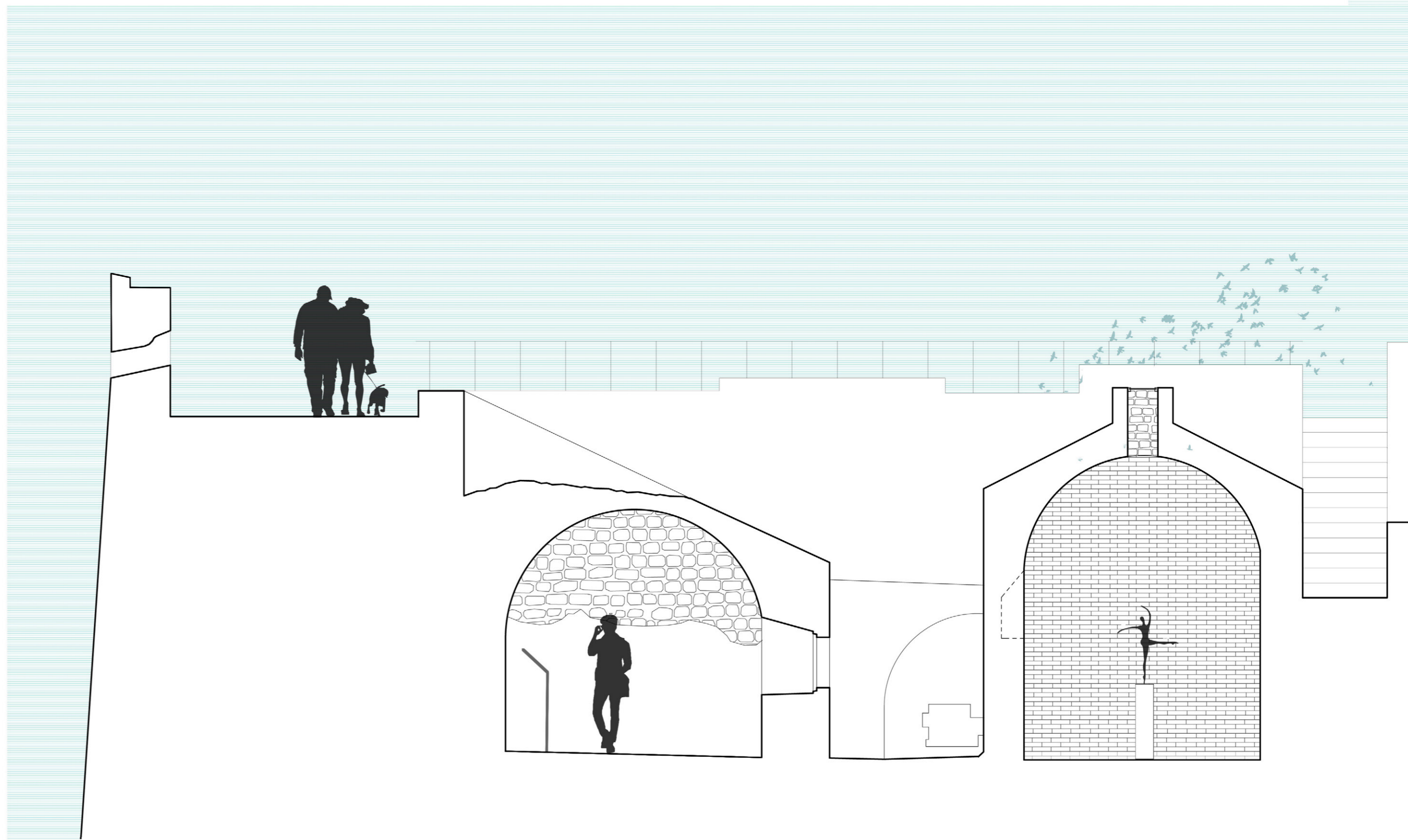


GUN POWDER MAGAZINE ROOF



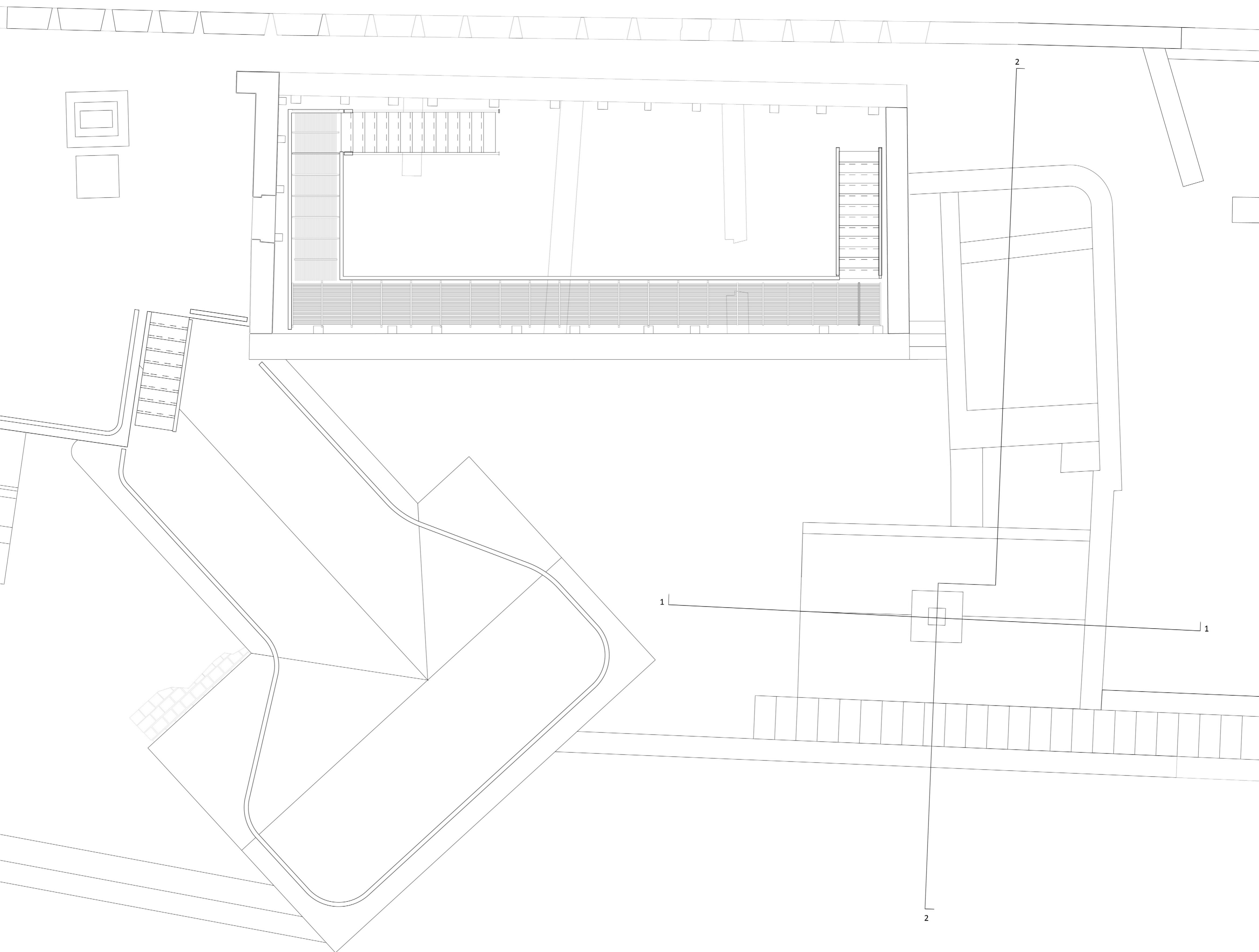


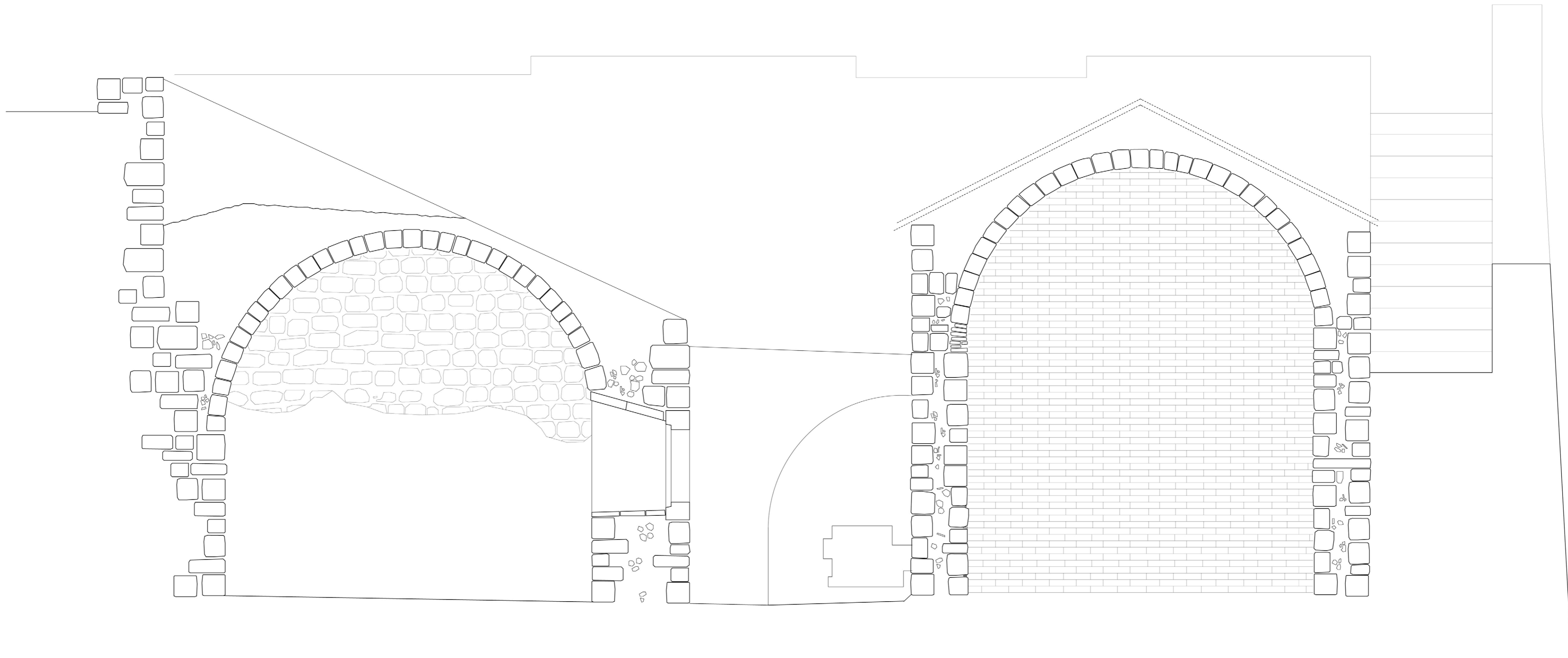
SECTION 1-1



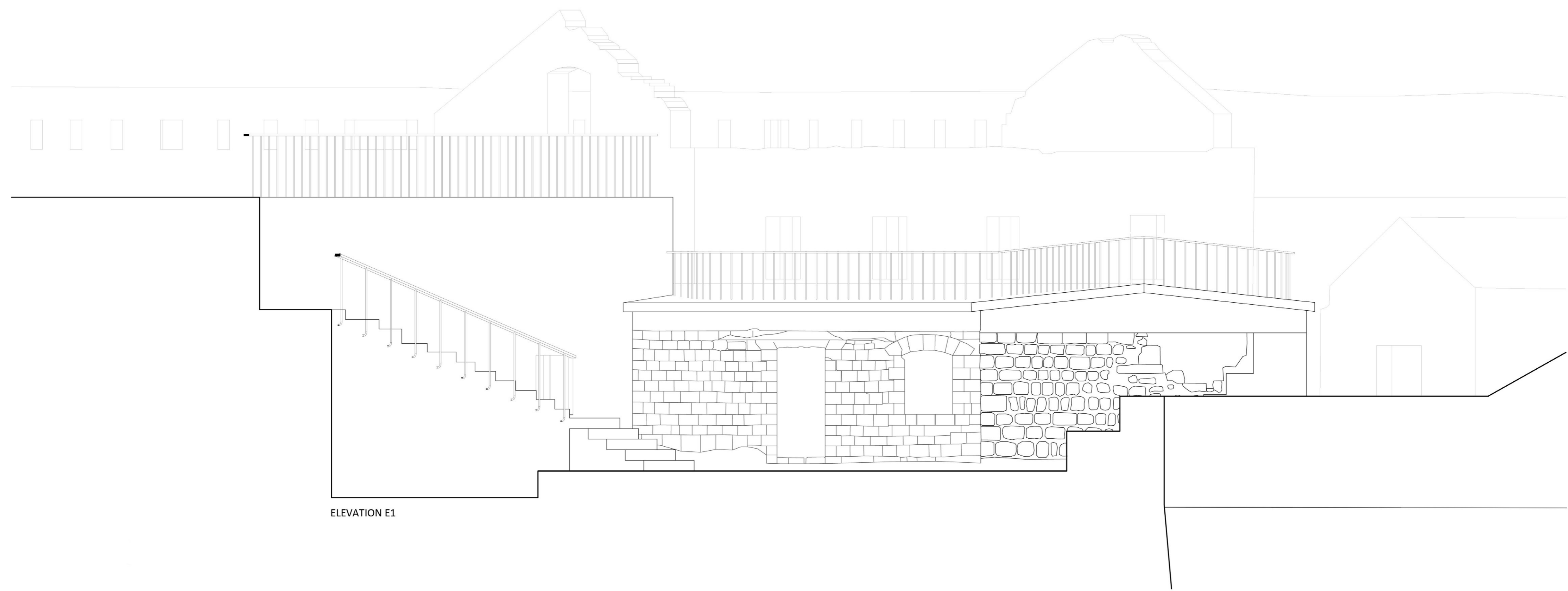
SECTION 2-2

1 existing plaster 2 original masonry 3 original brick wall 4 information boards

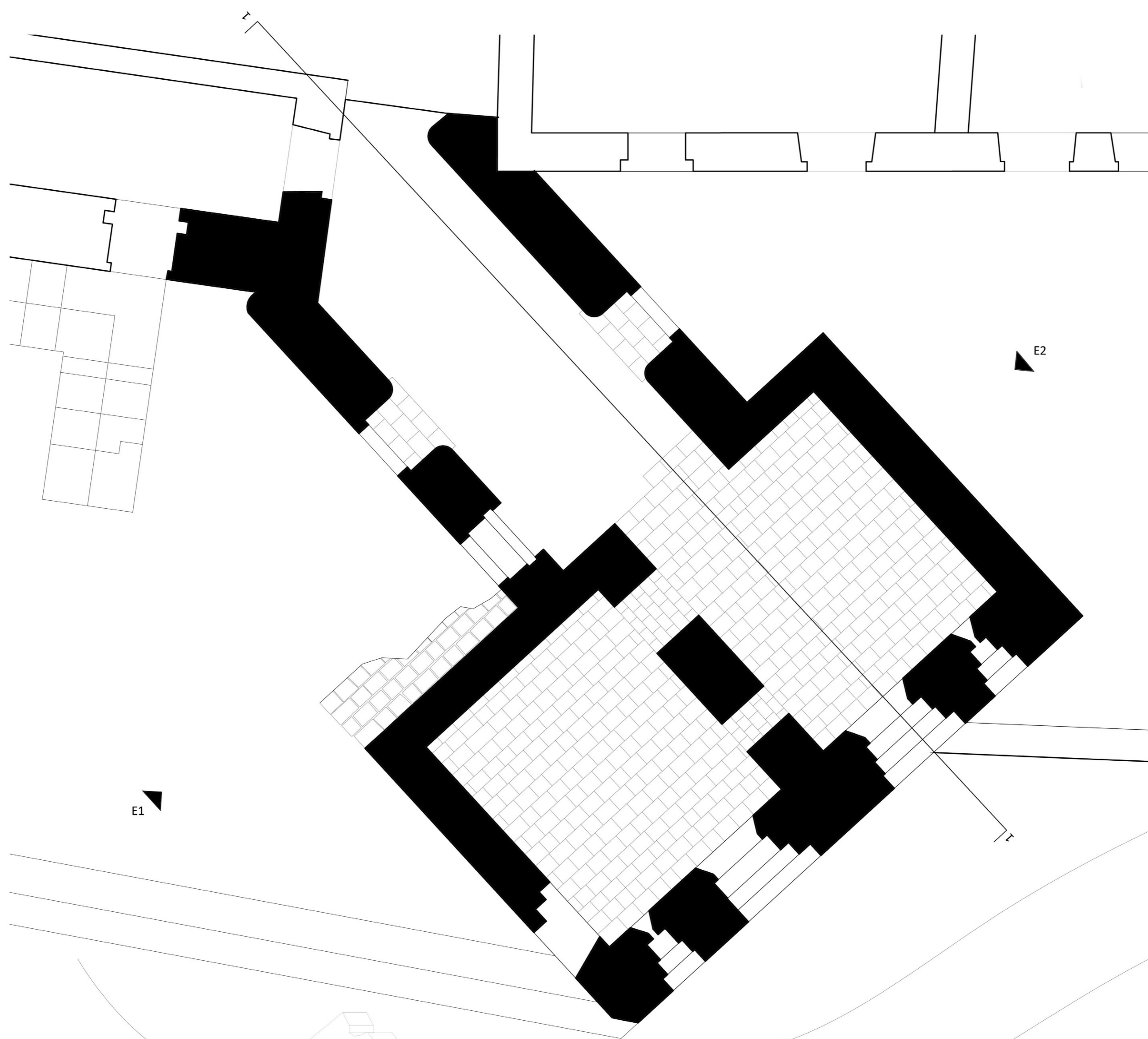




# AUSTRIAN ARTILLERY BUILDING



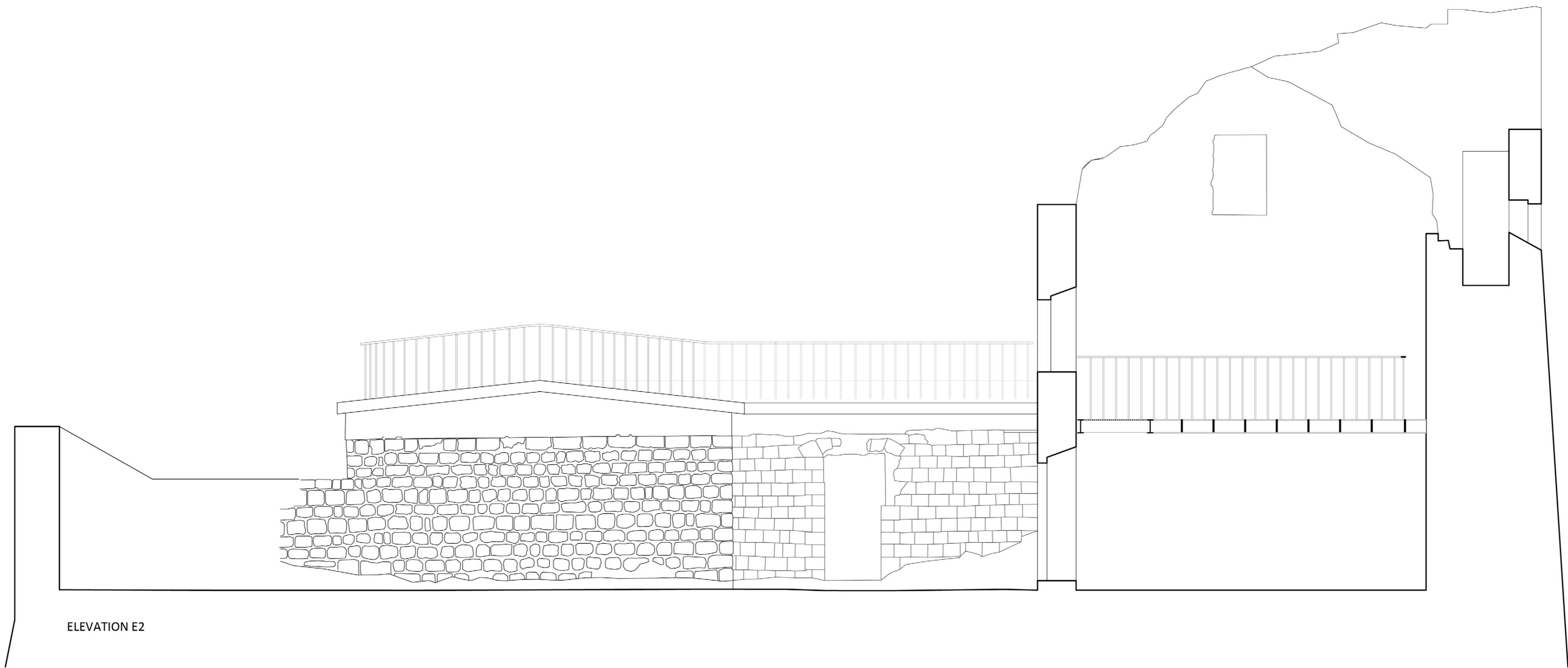
ELEVATION E1



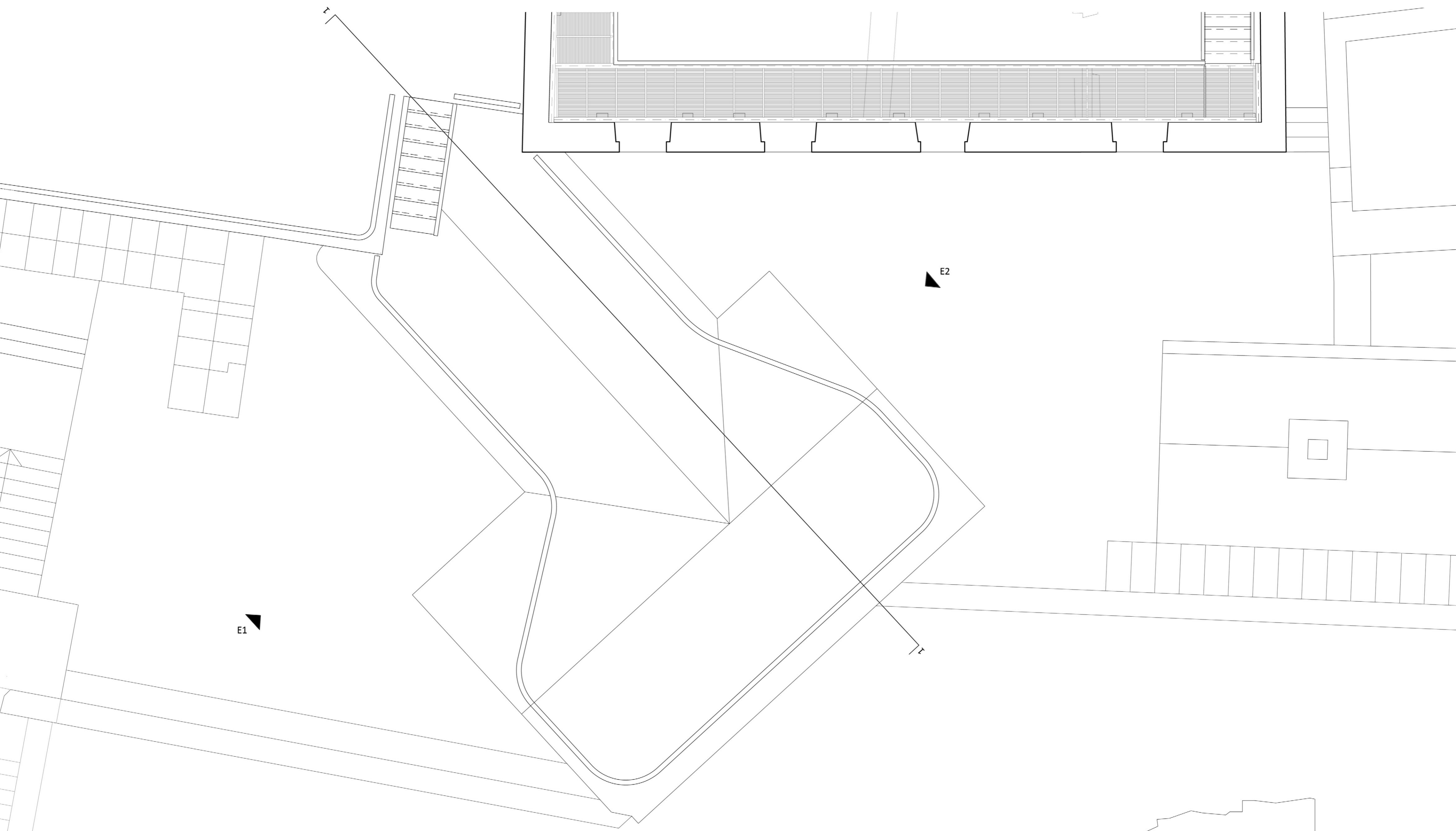
E1

E2



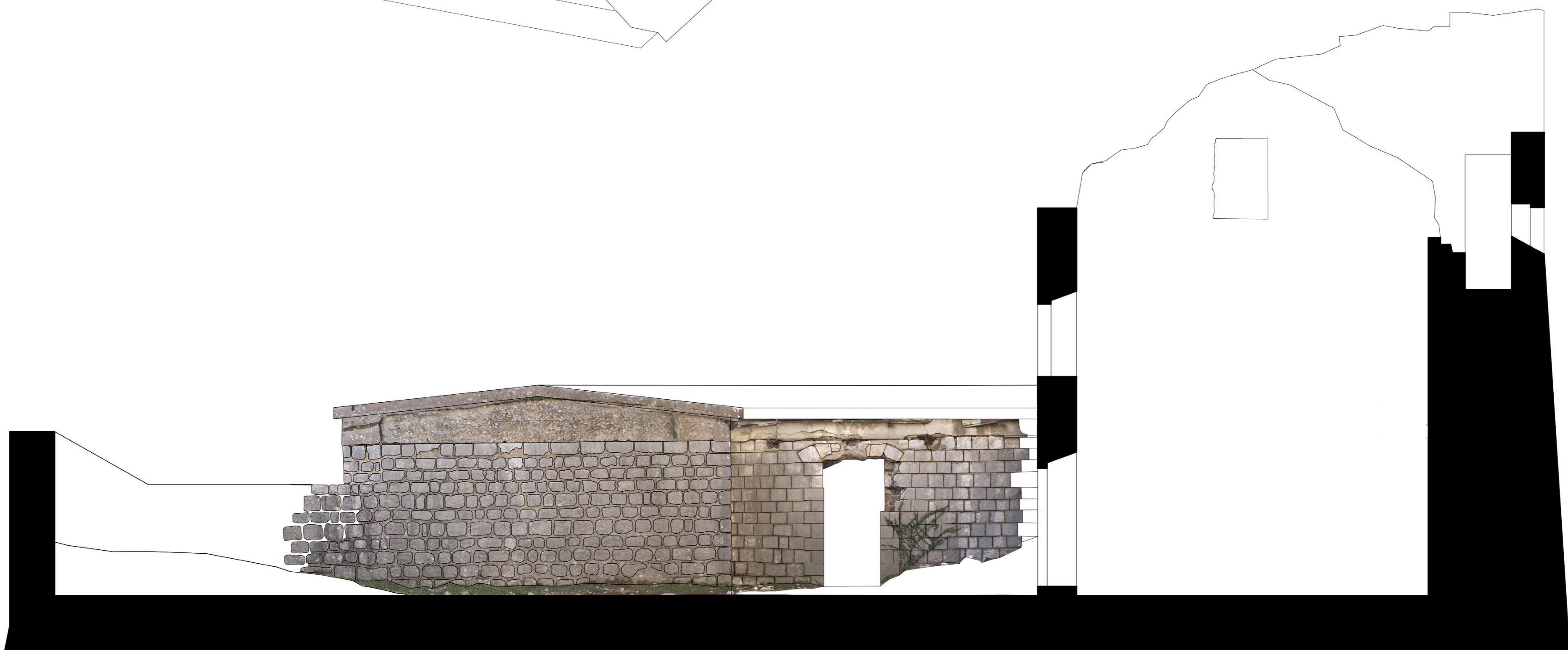


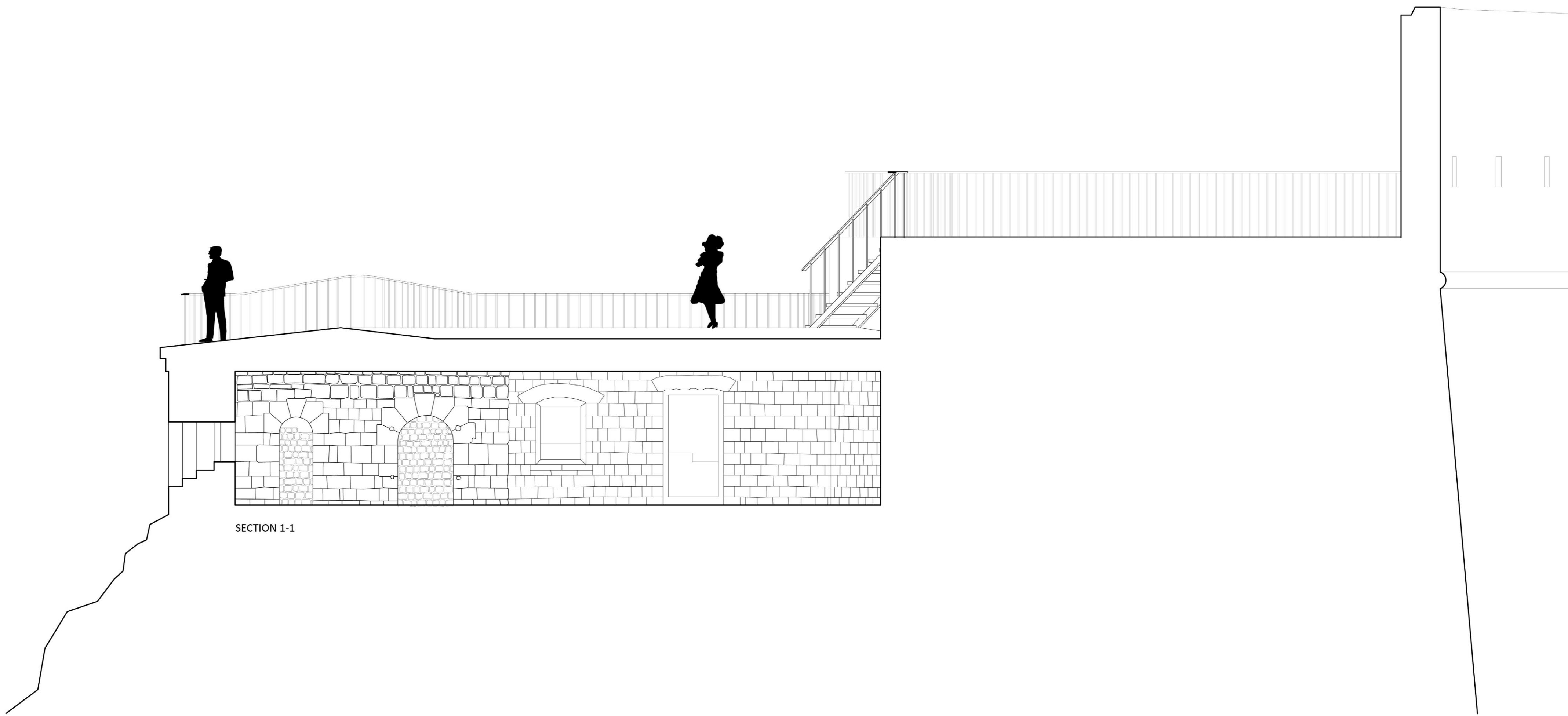
ELEVATION E2



E1

E2





## CONSTRUCTION DETAILS

