

A Sensible Morphology

MSc3|4
Explore Lab
GraduationStudio

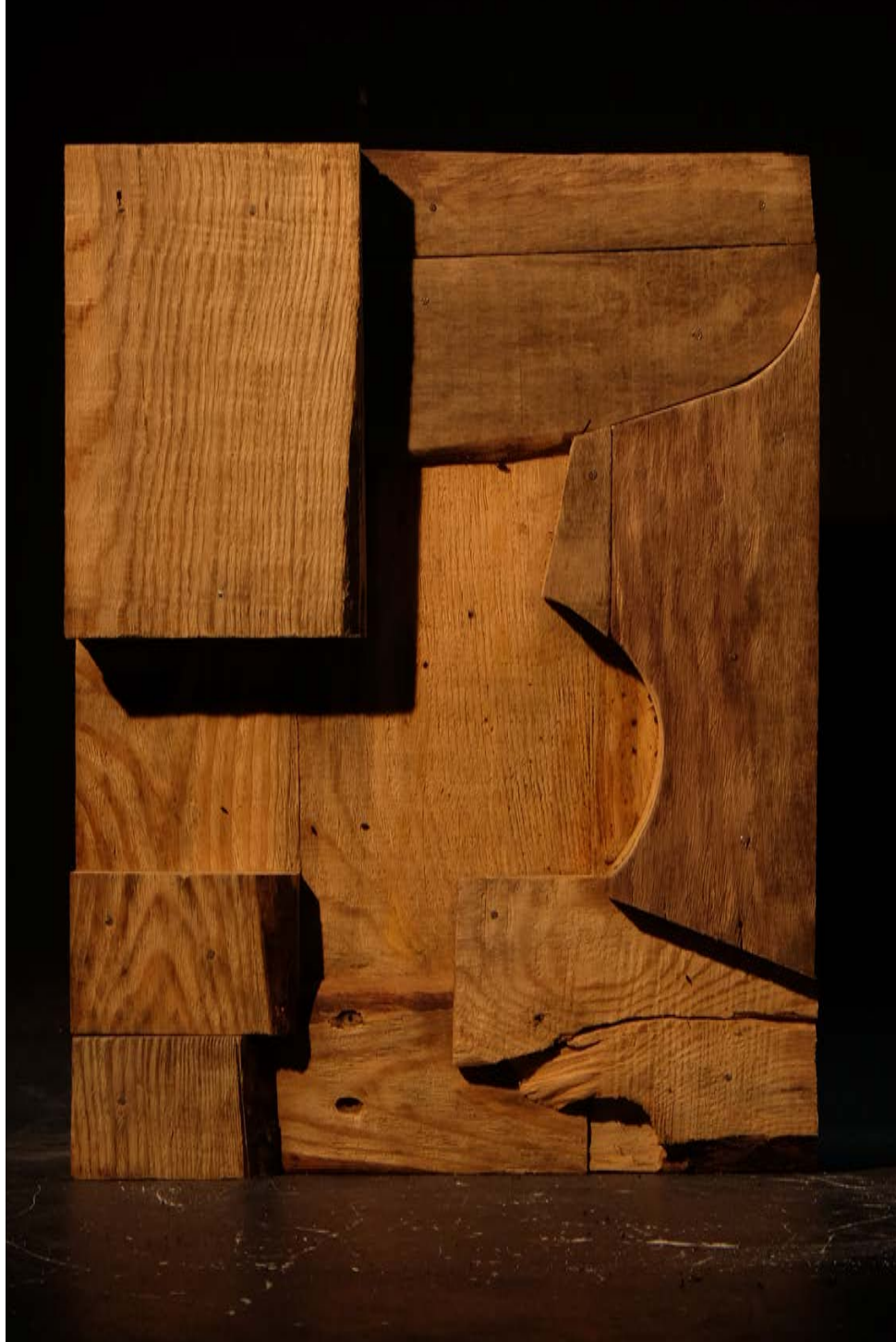
TU Delft
Master Architecture Urbanism,
and Building Sciences
Architecture and the Built Environment

Mentors
Stavros Kousoulas
Roel van de Pas
Georgios Karvelas

Board of Examiners delegate
André Mulder

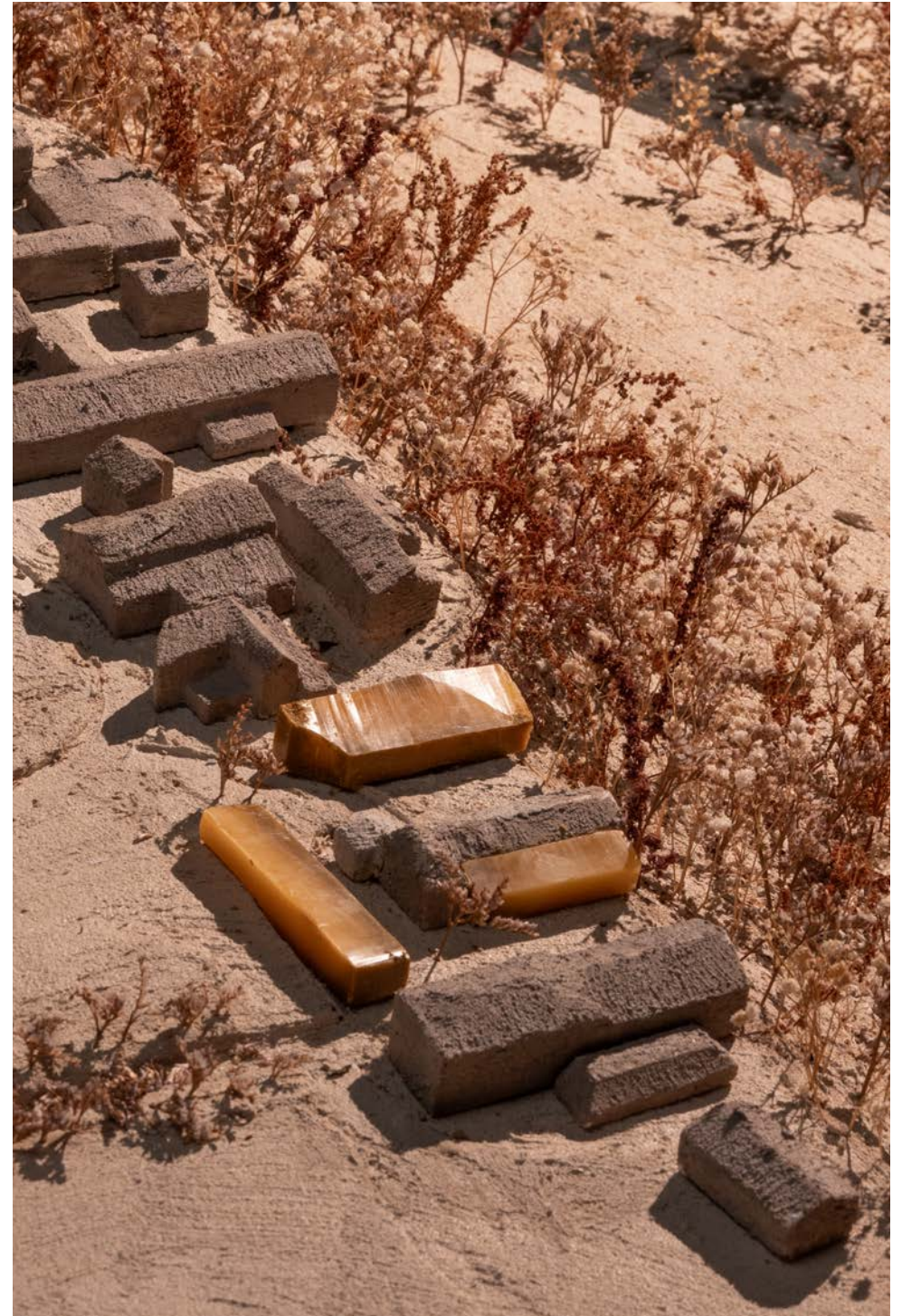
CHRISTOPHER CARLO PIDERIT

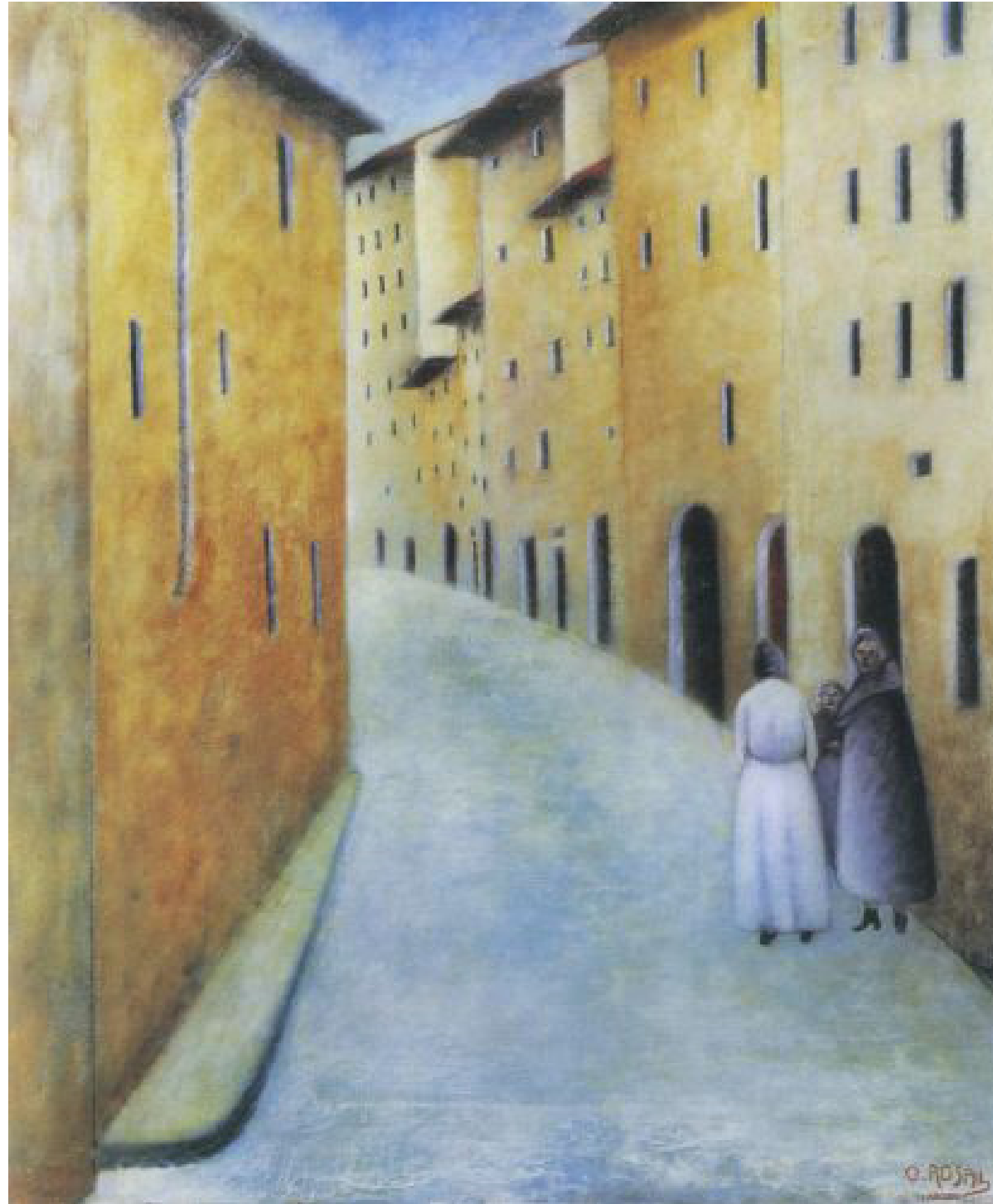






Cartography Lago di Garda, 1:50000





Via Toscanella, Ottone Rosai, 1922

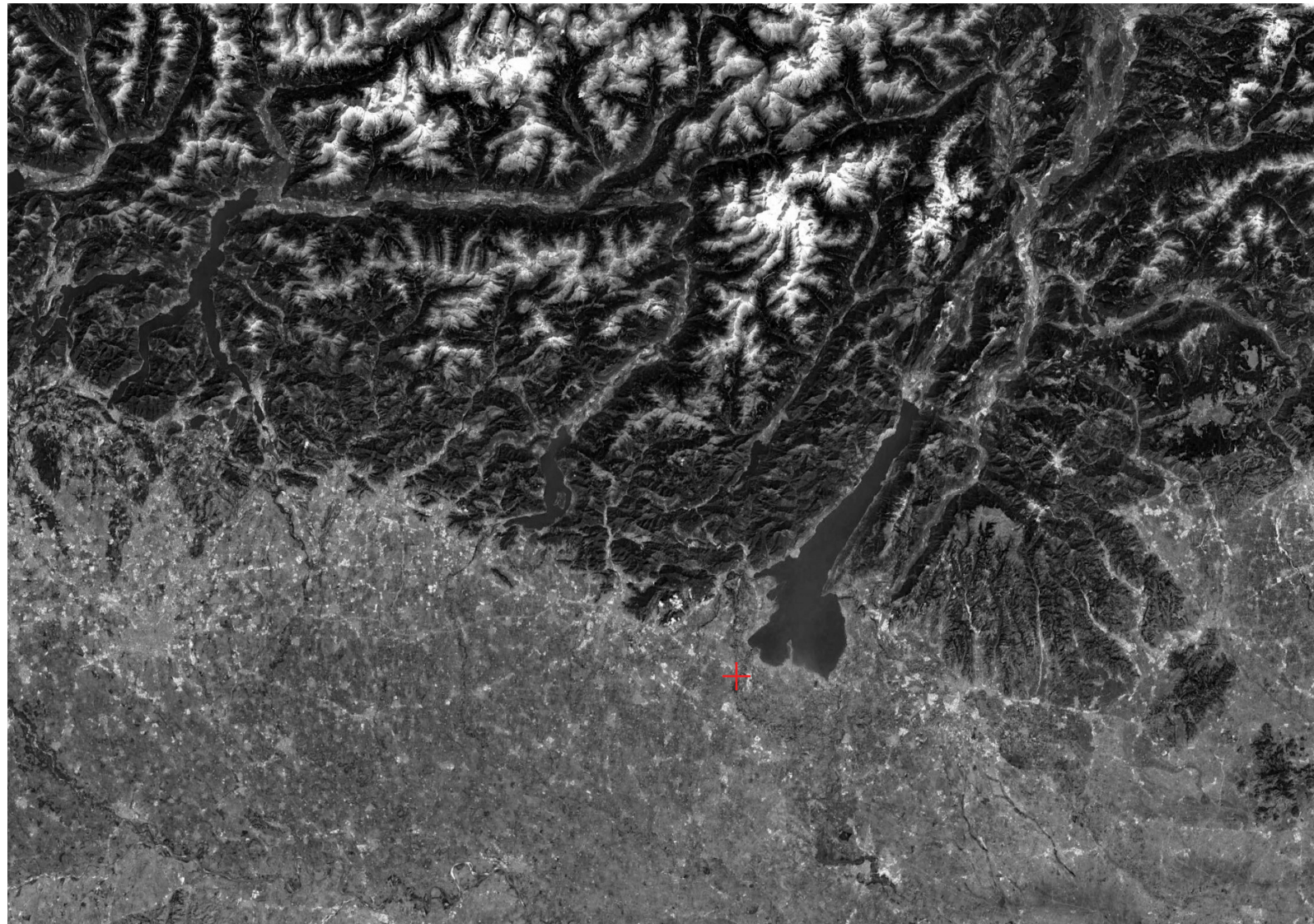
Christopher Carlo Piderit



Explore Lab P5



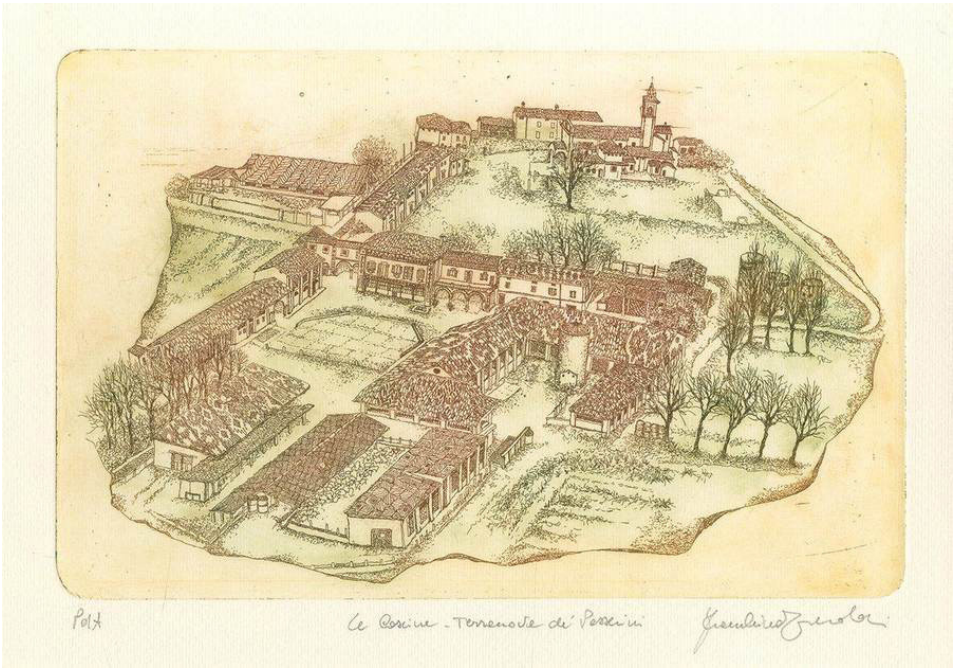
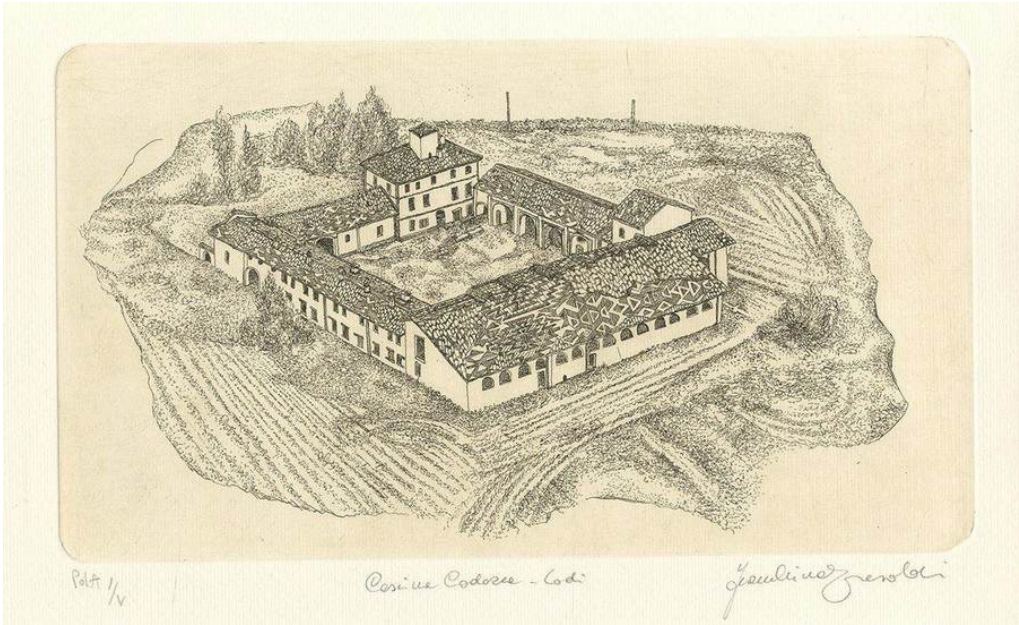




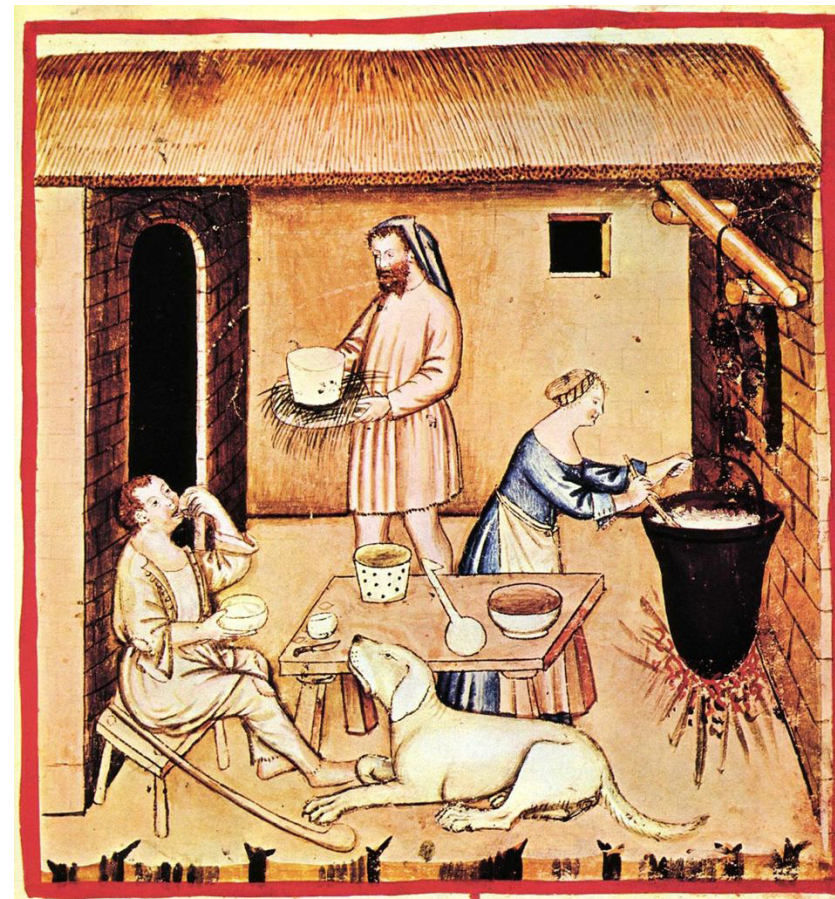
North Italy, Brescia Province

WHAT IS THE SPECIFICITY OF THE CASCINA?

Christopher Carlo Piderit



Explore Lab P5

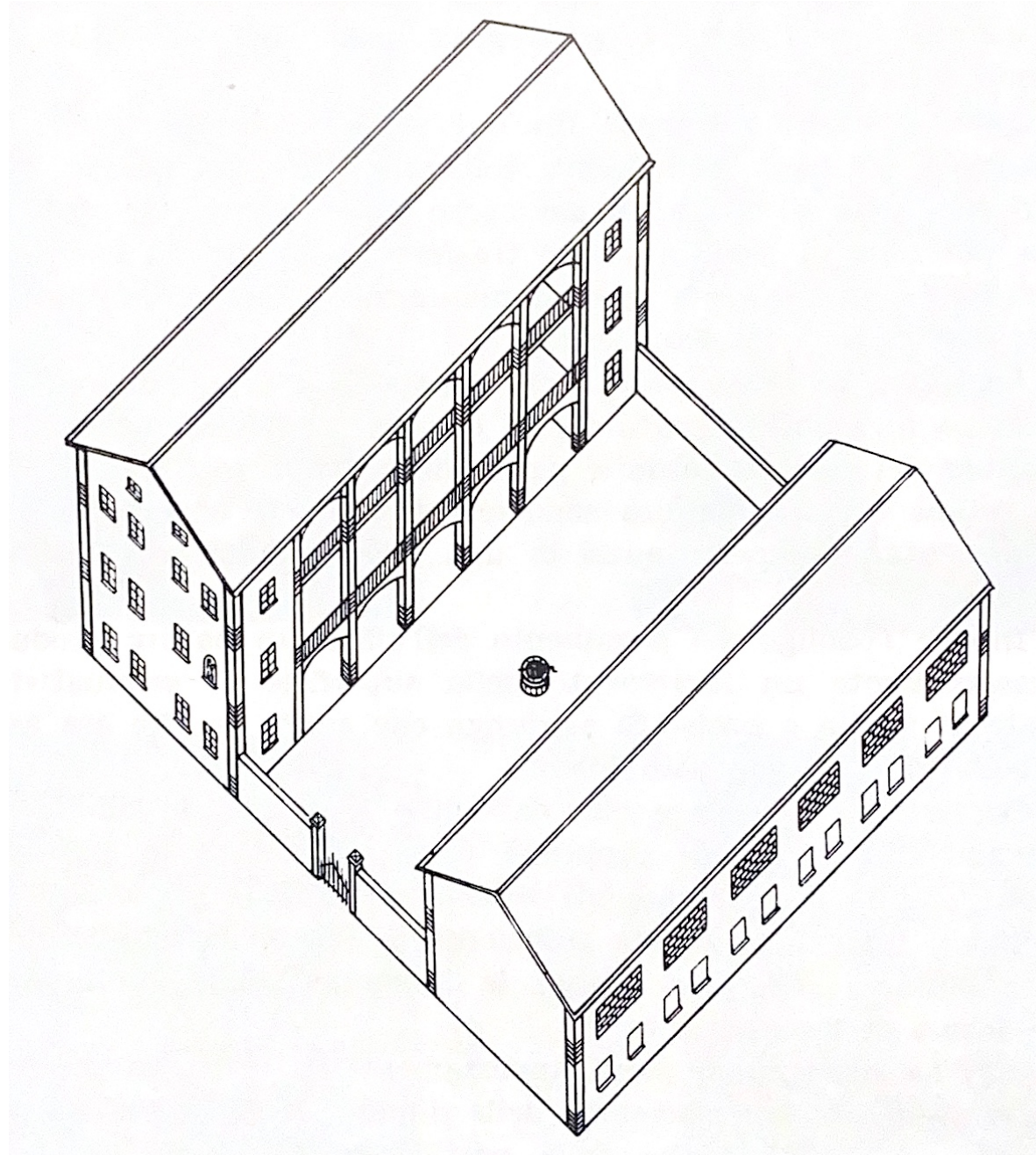


Confectio caseorum in manuscripto Tacuini sanitatis, sec XIV



“Ogni cascina è una fortezza”

La cascina, Libero Bizzari, 1966



voro era più sicuro, più facile, più remunerativo, e abbandonò la terra ai vecchi riserbando le ore libere dal suo lavoro di officina, anche il vincolo familiare si spezzò, e il vecchio «regiù» vide i figli e i nipoti diventati adulti, partire per sempre dalla «corte» alla ricerca di una vita più facile e di una casa più bella. Nella corte si insediarono famiglie estranee l'una all'altra e la separazione dello spazio interno della grande dimora, preparata da-

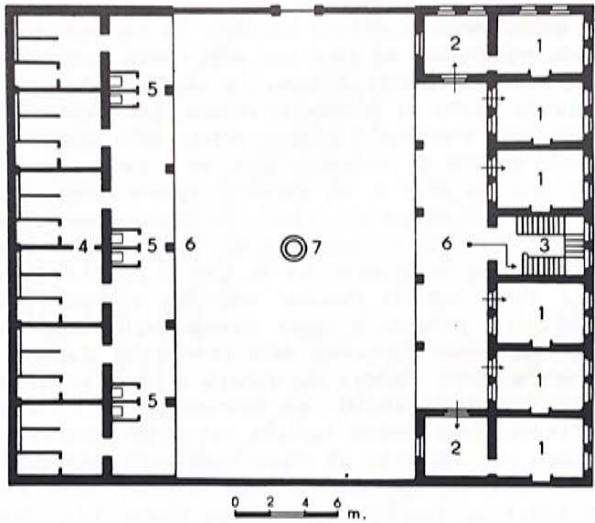


Fig. 37. Muggiò (frazione Lissone). Planimetria di una tipica «corte» pluriaziendale dell'alta pianura milanese.
1 - cucine; 2 - ripostiglio; 3 - scala seminterna in comune; 4 - stalle; 5 - gabinetti; 6 - porticati; 7 - pozzo.

gli ordinamenti fondiari precedenti, sanzionata e fissata ora dagli interessi di ciascuna singola famiglia coabitante, divenne definitivo e particolarmente palese. È la caratteristica attuale della «corte» di alta pianura.

Per riassumere: forme di insediamento accentrate, cioè centri e agglomerati elementari formati da dimore a «corte» pluriaziendali. Rare dimore sparse, nelle quali le più antiche a forma di corte. Naturalmente questa è la situazione fino al secolo scorso.

Già nel secolo XIX si era verificata una parziale incrinatura nella situazione tradizionale della proprietà terriera: si era però trattato di un semplice trapasso di molte grosse e medie proprietà di ceto nobiliare al ceto borghese di recente formazione, le cui capacità economiche s'erano enormemente accresciute con l'incremento industriale. La cosa non mutò però né le forme tradizionali di conduzione né gli ordinamenti colturali. Tale trapasso

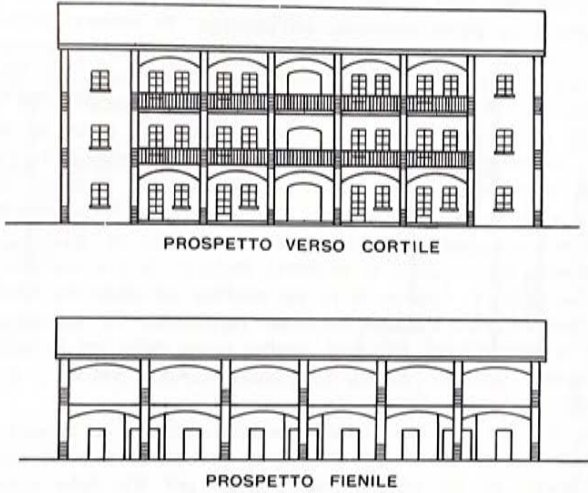


Fig. 38. Muggiò. Prospetti degli edifici della «corte» pluriaziendale della fig. 37.

da un ceto all'altro continuò e s'accentuò, senza scosse per l'economia rurale, fino alla grande guerra mondiale.

Il dopoguerra per le più diverse cause economico-politico-sociali, che qui sarebbe lungo e inutile illustrare, portò invece al grande frazionamento della proprietà terriera. Il Rossi (*) calcola che il 38-40% della superficie agraria e forestale della regione è rappresentato da piccole proprietà formatesi nel dopoguerra. Contemporaneamente scompariva il contratto a grano o «colonia lombarda», sostituito dall'affitto in denaro. Cause concomitanti di que-

(*) R. Rossi, *Inchiesta sulla piccola proprietà coltivatrice formatesi nel dopoguerra*, III. Lombardia, Roma, I.N.E.A., 1931.



Christopher Carlo Piderit



Explore Lab P5

Christopher Carlo Piderit



Explore Lab P5

Christopher Carlo Piderit



Explore Lab P5



Ciclo dei Mesi, Maestro Venceslao, 1404

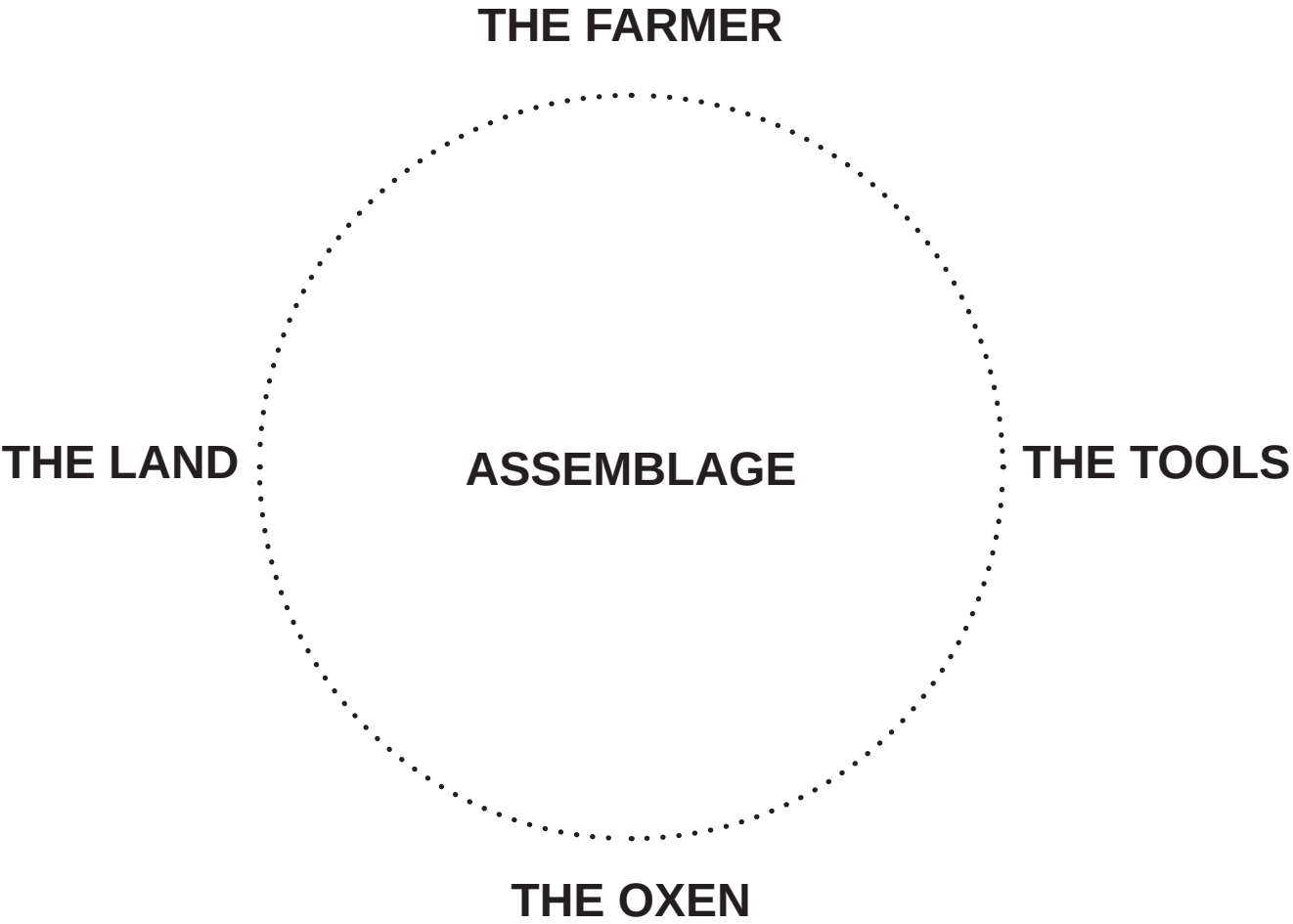


The Holy Mountain, Alejandro Jodorowsky, 1976



Damian-Ortega, Cosmic Thing, 2002

Christopher Carlo Piderit



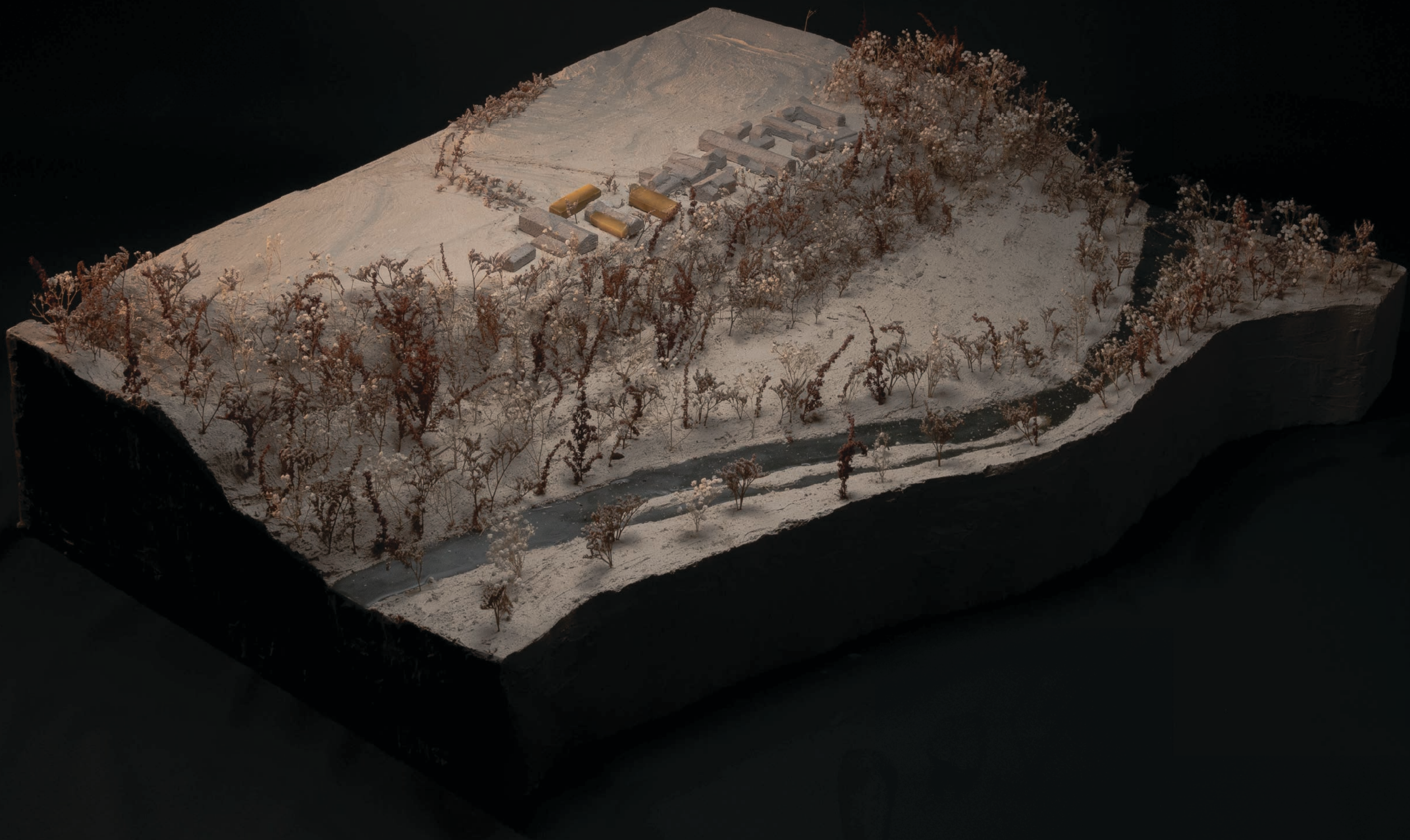
Explore Lab P5

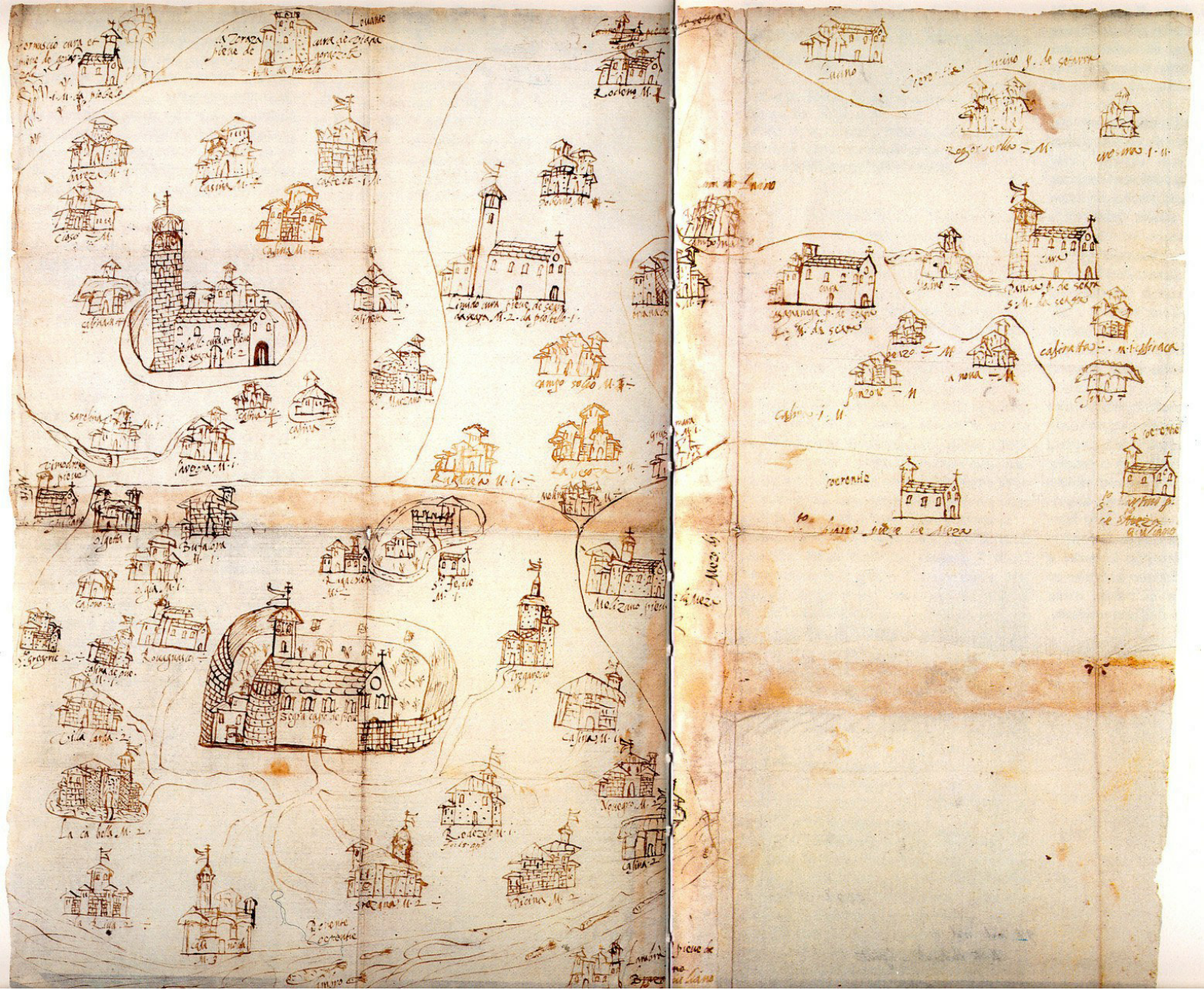
“Thus, the assemblage’s only unity is that of a co-functioning: it is a symbiosis, a ‘sympathy’”

Deleuze and Parnet, Dialogues II, 2002

How can one speak about *parts* or *wholes*, without prioritizing one or the other and with acknowledging their symbiotic relationships?

How can one speak about *the cascina* or *its territory*, without prioritizing one or the other and with acknowledging their symbiotic relationships?

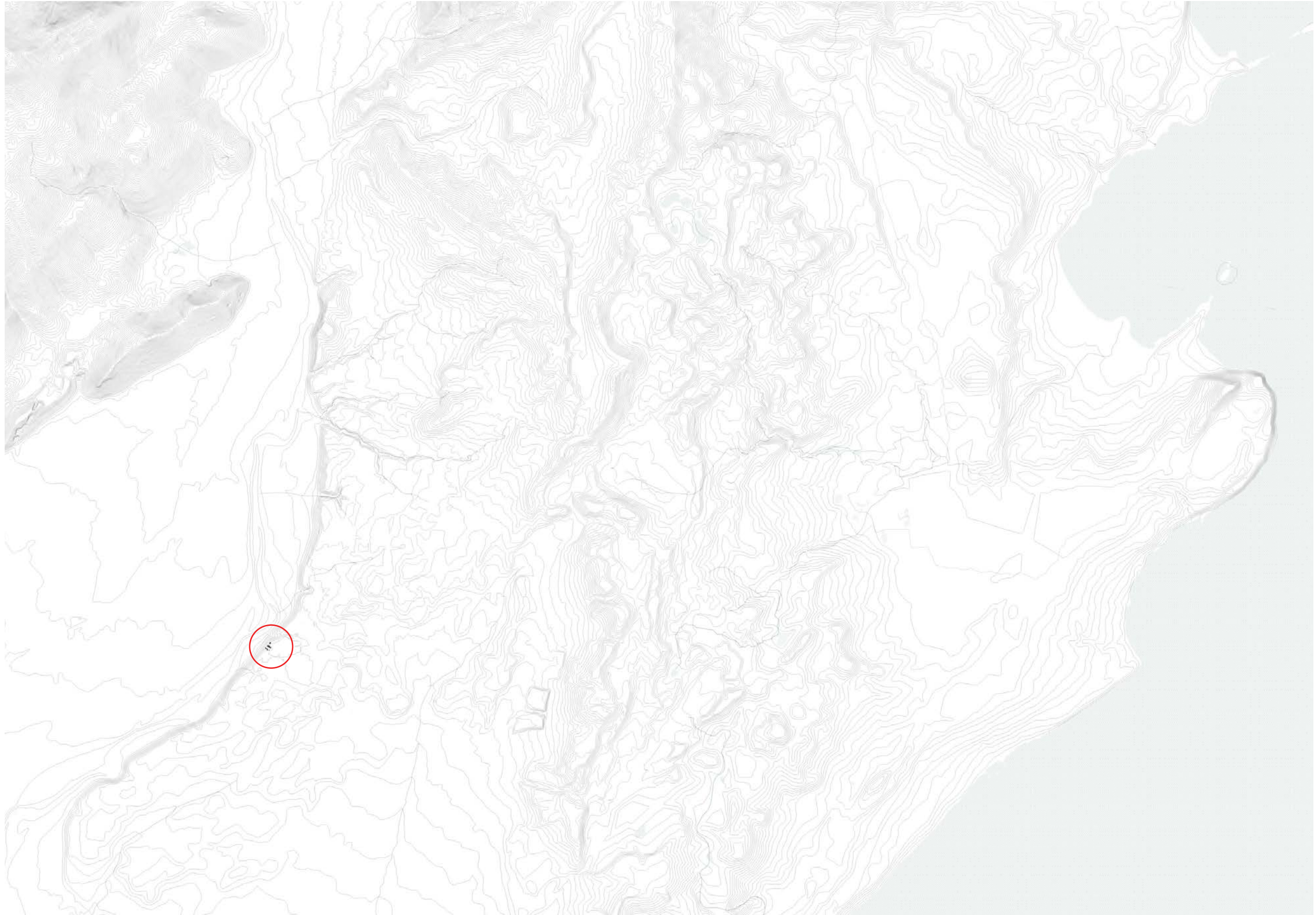




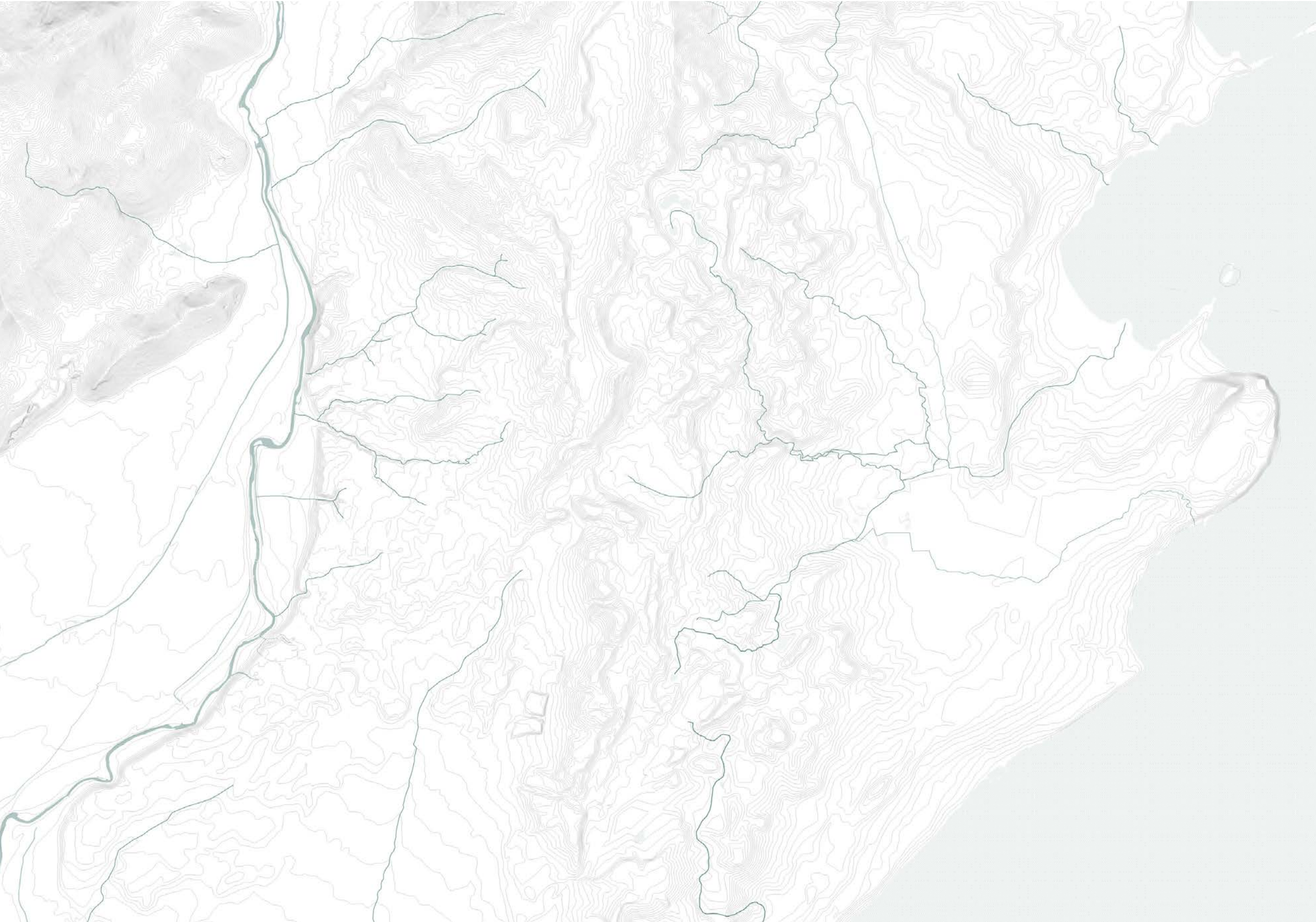
Map prepared on the occasion of the pastoral visit of Carlo Borromeo to Segrate in 1566



Morenic Hills 1:50000



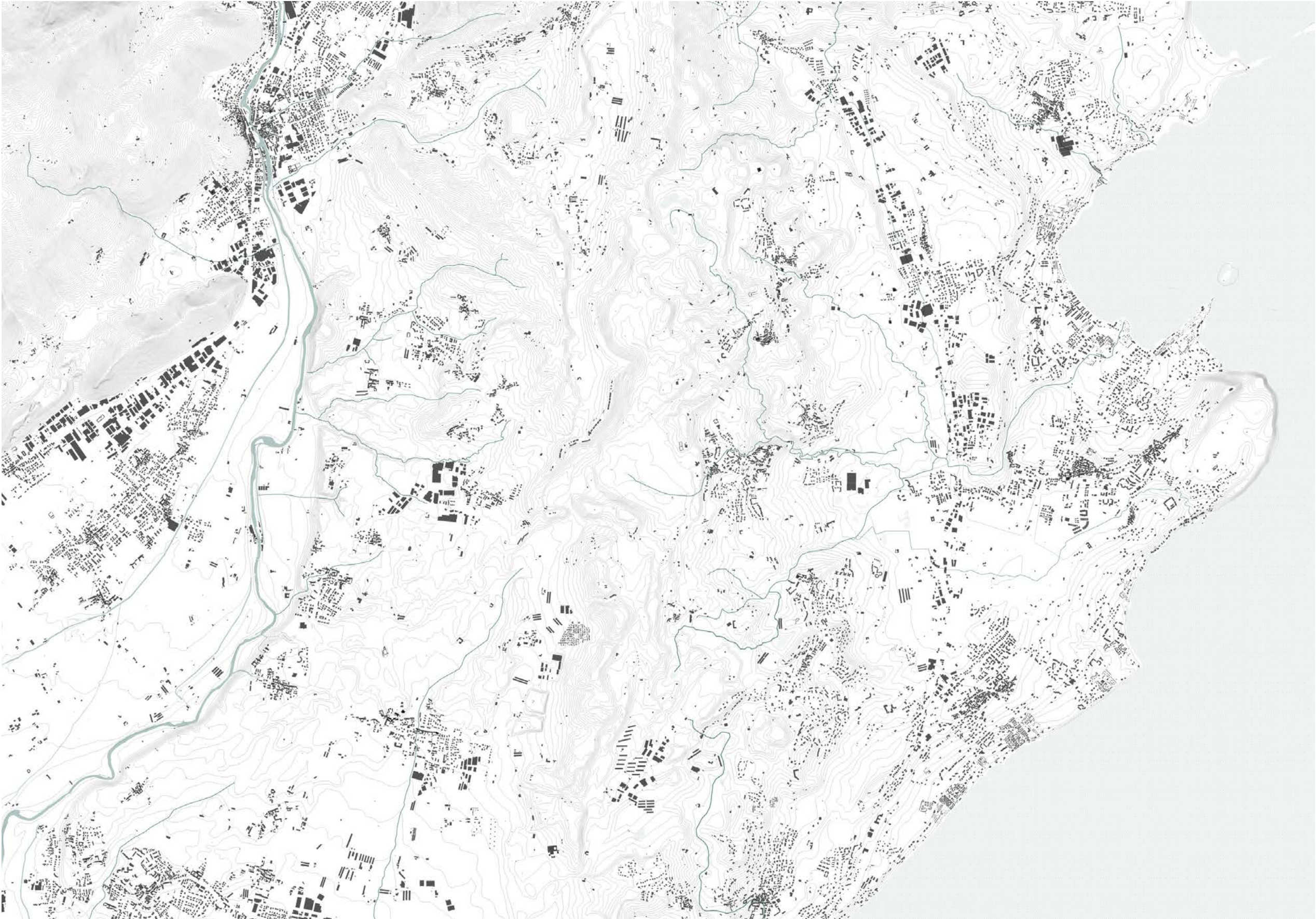
Cascina Pasini within the territory 1:50000



Morenic Hills + Rivers 1:50000

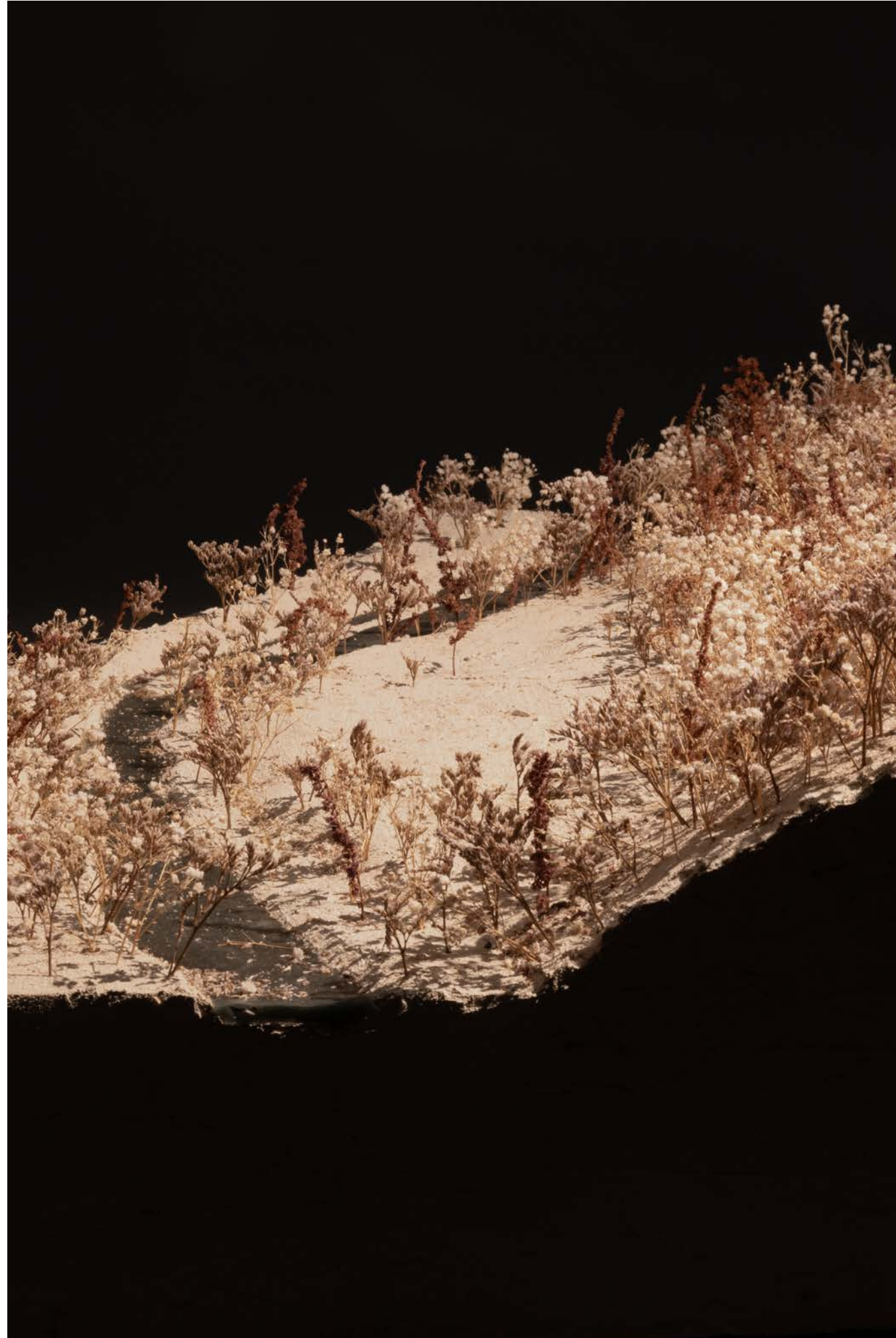


Cascine + Rivers 1:50000





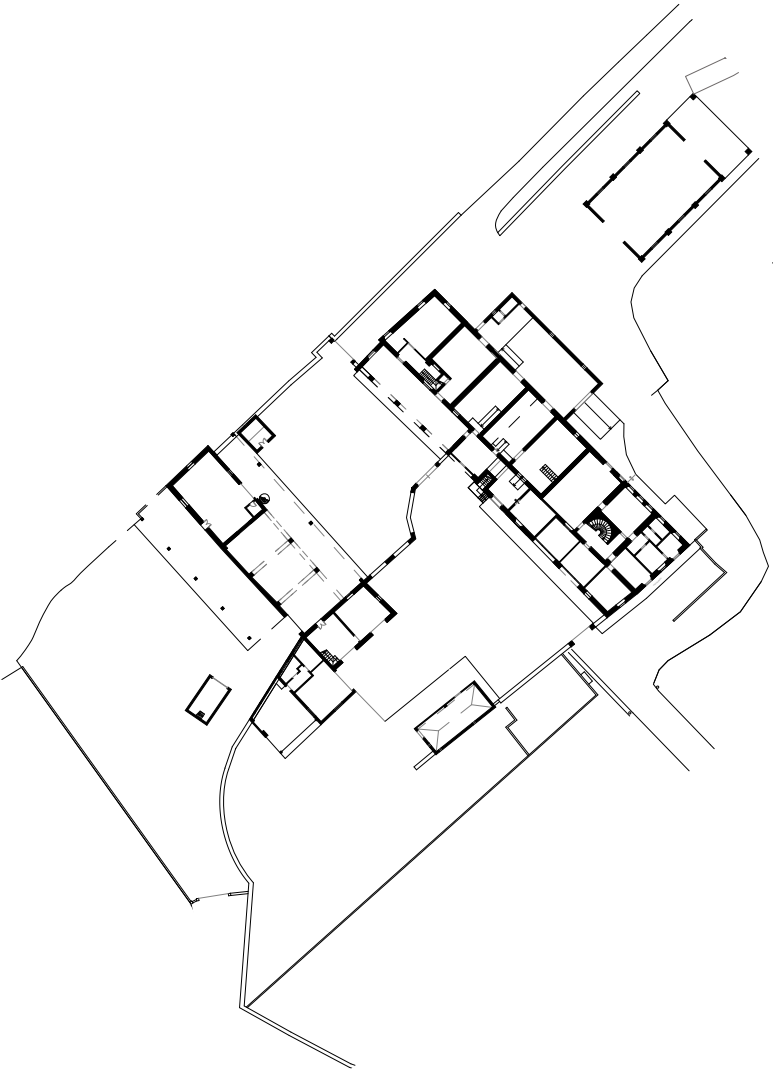






Contextual Plan 1:10000

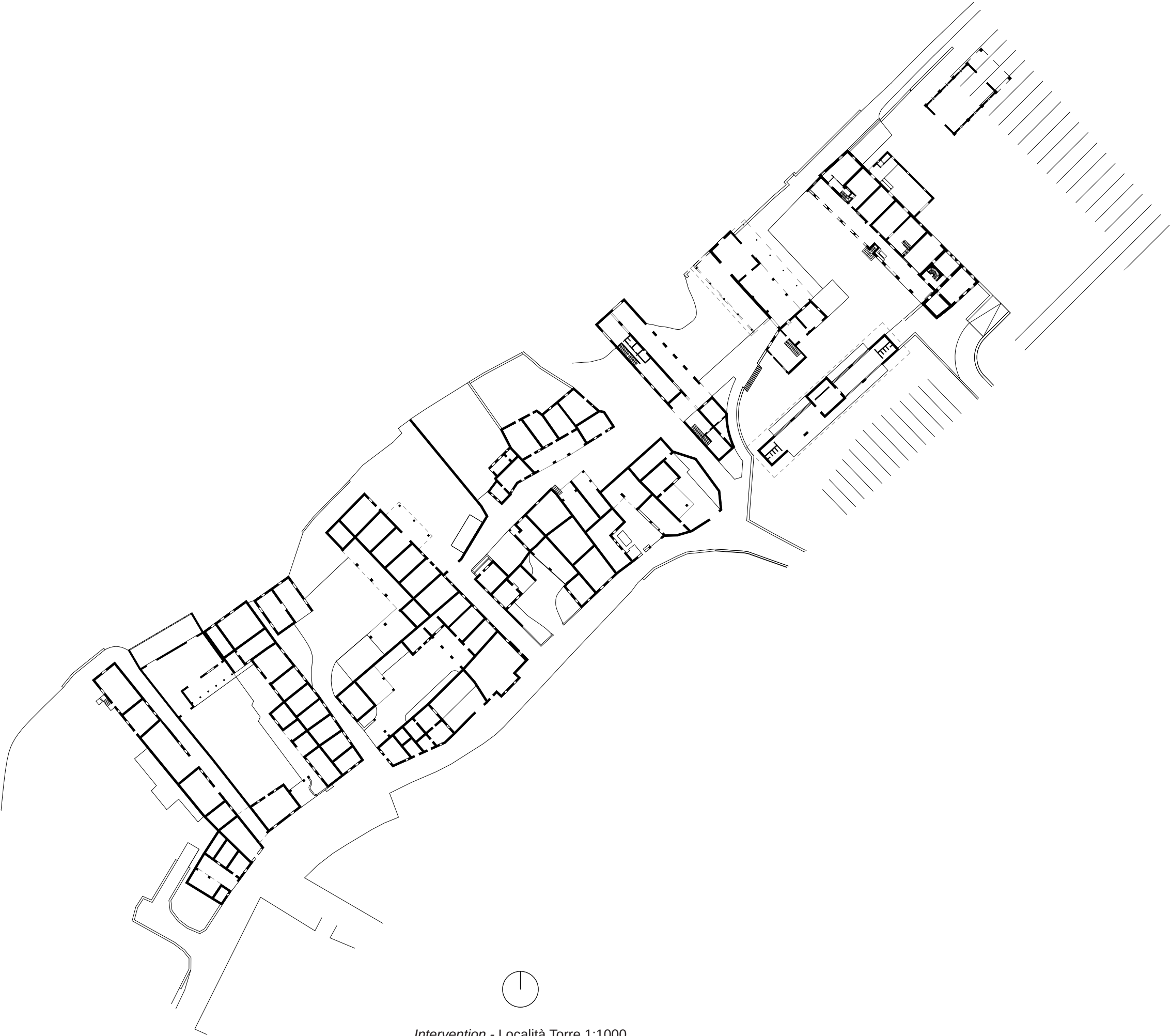




Existing - Cascina La Torre 1:1000



Existing - Località Torre 1:1000



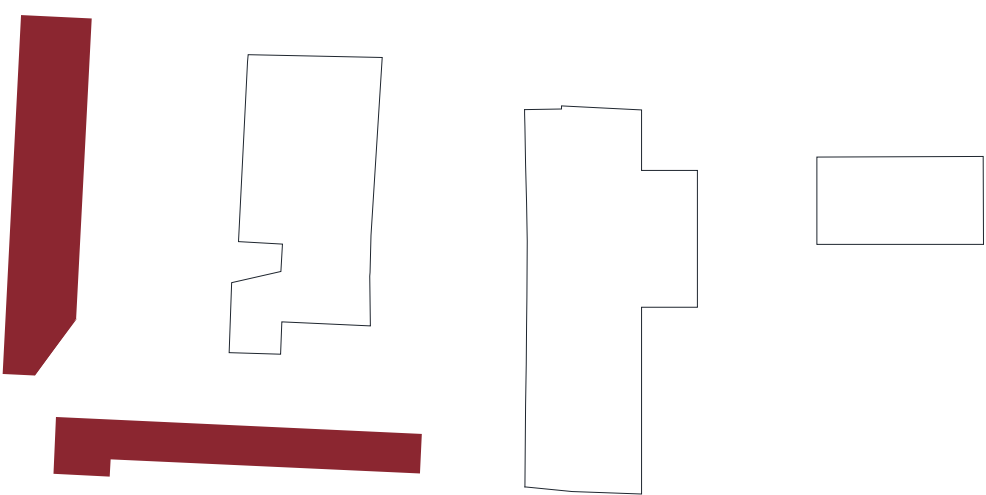
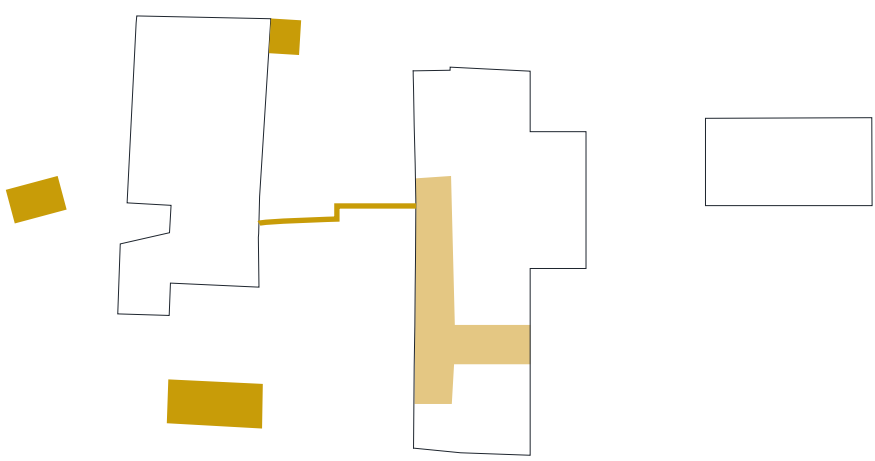
Intervention - Località Torre 1:1000



Deterritorilizing Reopening existing

Territorializing Renclosing Cascina

Reterritorializing Readjusting a Portico

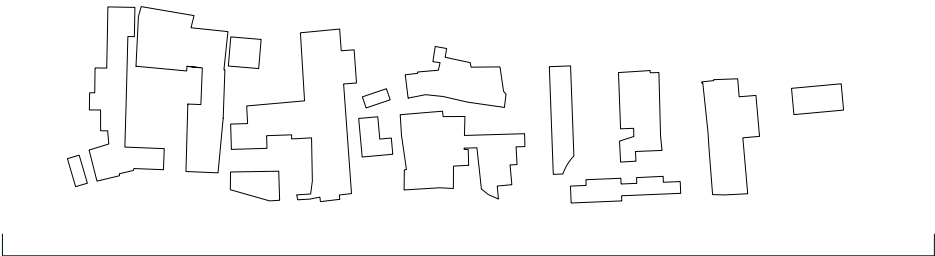


Christopher Carlo Piderit

Explore Lab P5





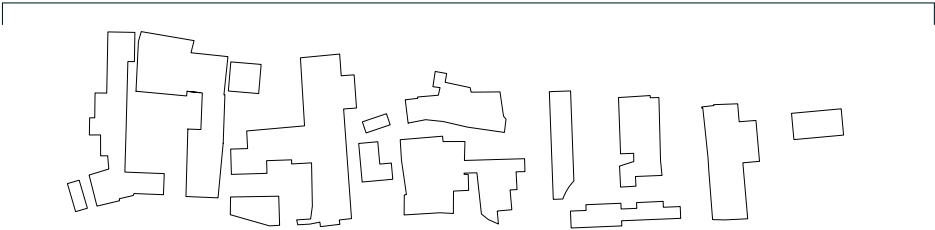


Intervention - Town Elevation 1:1000

Christopher Carlo Piderit



Explore Lab P5



Intervention - Forest Elevation 1:1000



Christopher Carlo Piderit



Existing - Cascina La Torre, Ground Floor

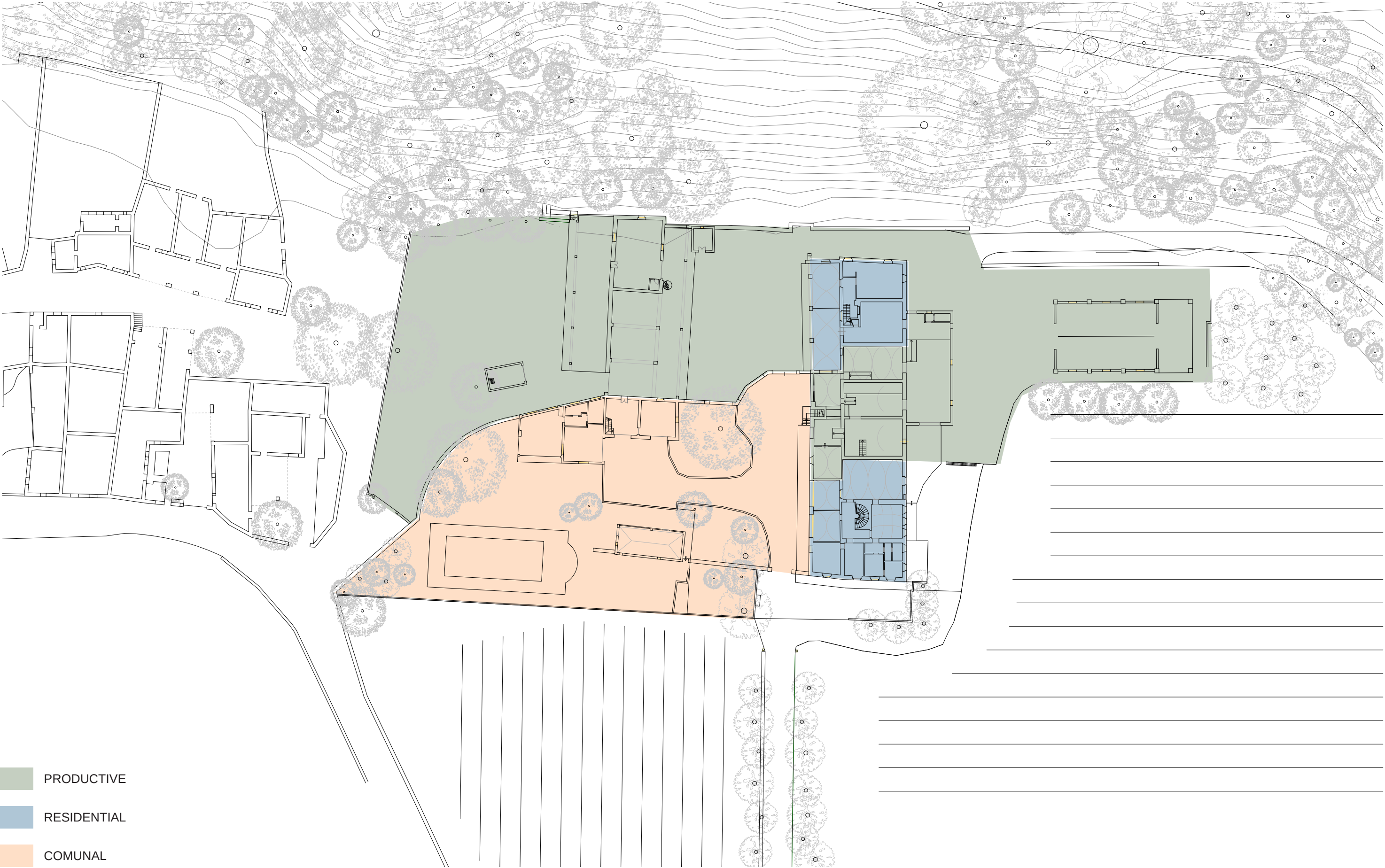
Christopher Carlo Piderit



Explore Lab P5



Existing - Cascina La Torre, First Floor



Existing - Spatial Organization



Intervention - Cascina la Torre, Ground Floor



Intervention - Masterplan 1:200

Christopher Carlo Piderit



- 01 **Cascina Centrale**
Cantina (Wine Cellar), Circuli (bar)
Gandola (General Office)Market
+ Existing Residential units
- 02 **Magazzina** (Storage)
Workshop, Tractors, Utensiles
- 03 **Cà de la Vita** (Multi Functional Building)
Co working space, Spaces for Events, Shared
Kitchen
- 04 **Barchessa** (Porch)
Building to process food from the fields
A porch, A kitchen, A room, A cellar, A tower
- 05 **Cortina** (Shared Housing)
Shared porch, Shared loggia, Dwellings



Intervention - Masterplan 1:200

Explore Lab P5

Circulì (Bar)

A place for people sharing a common interest

Cantina (Cellar)

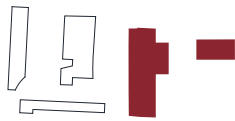
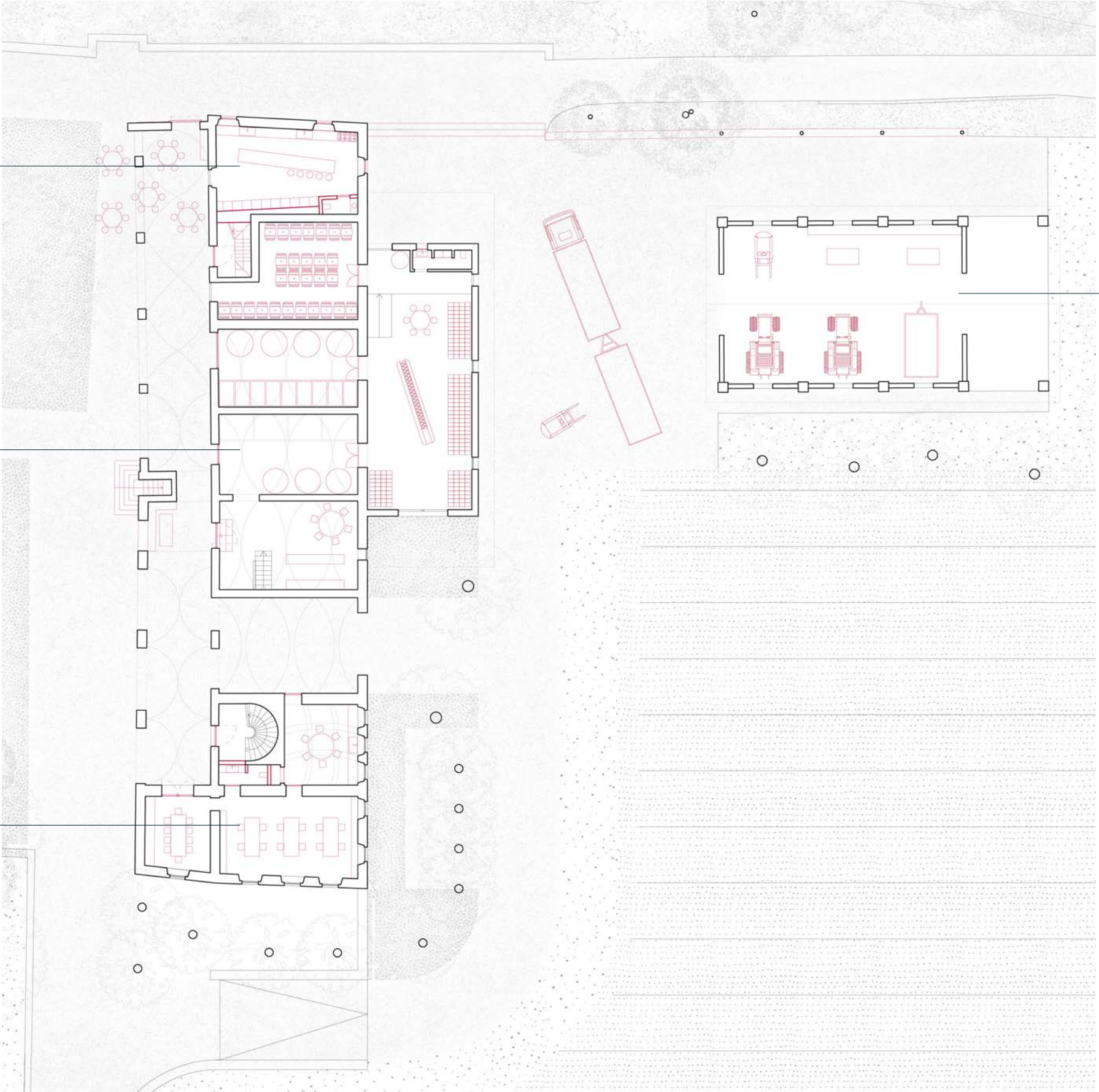
A place for storing and aging products.

Gàndola (Office)

A place to organize and manage the cascina.

Magazzìna

A place for storing tools and machineris

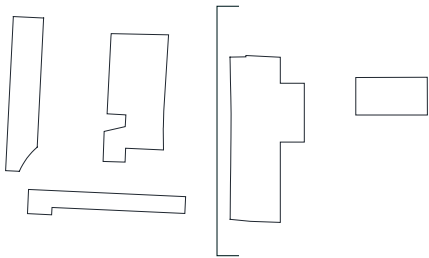




Christopher Carlo Piderit

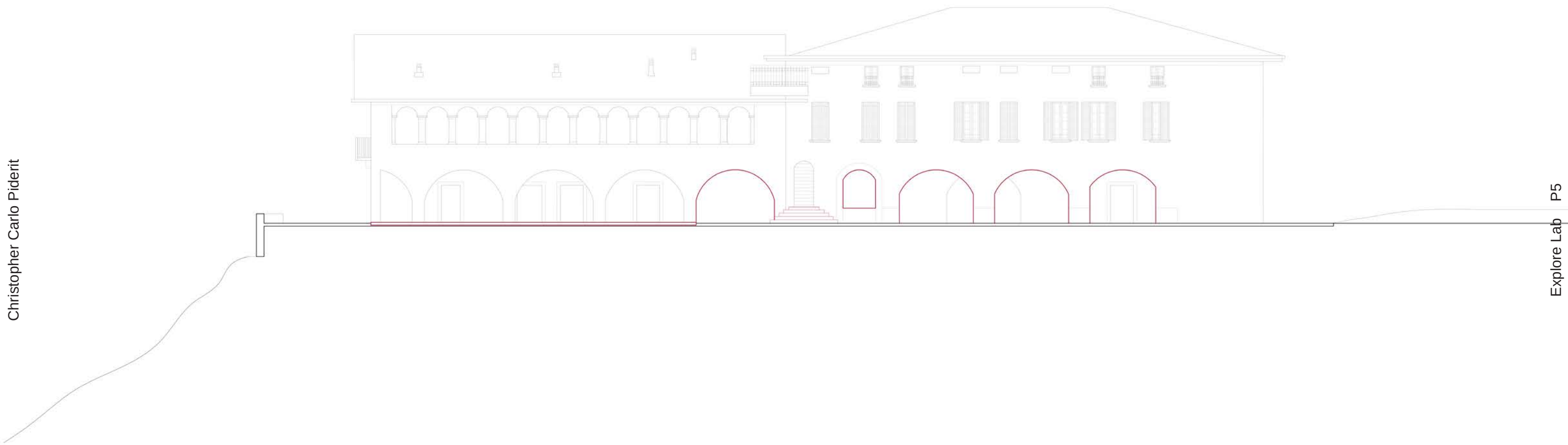


Explore Lab P5

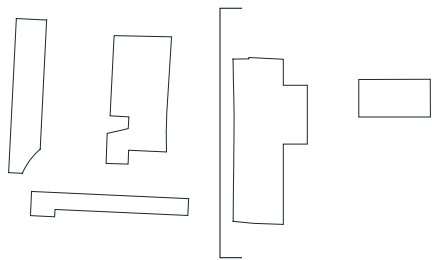


Existing - Elevation 1:200

Christopher Carlo Piderit



Explore Lab P5



Intervention - Elevation 1:200



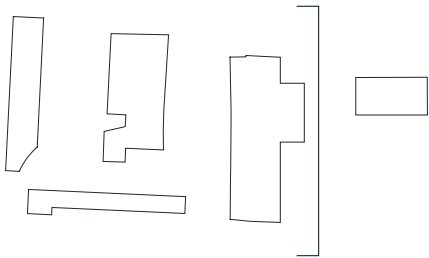




Christopher Carlo Piderit



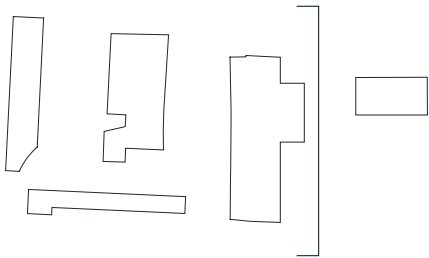
Explore Lab P5



Existing - Elevation 1:200

Christopher Carlo Piderit

Explore Lab P5



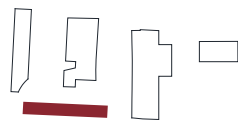
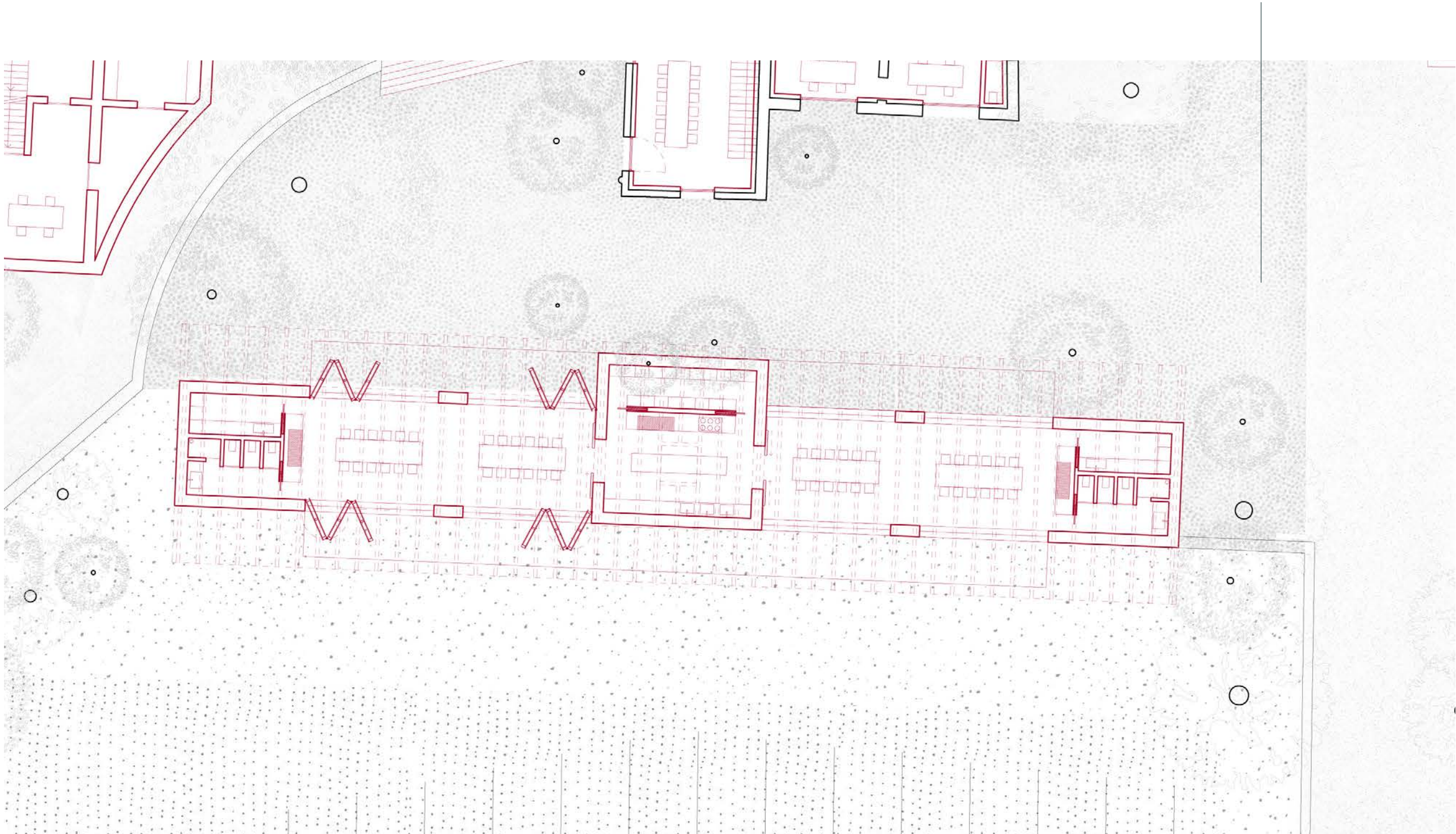
Intervention - Elevation 1:200





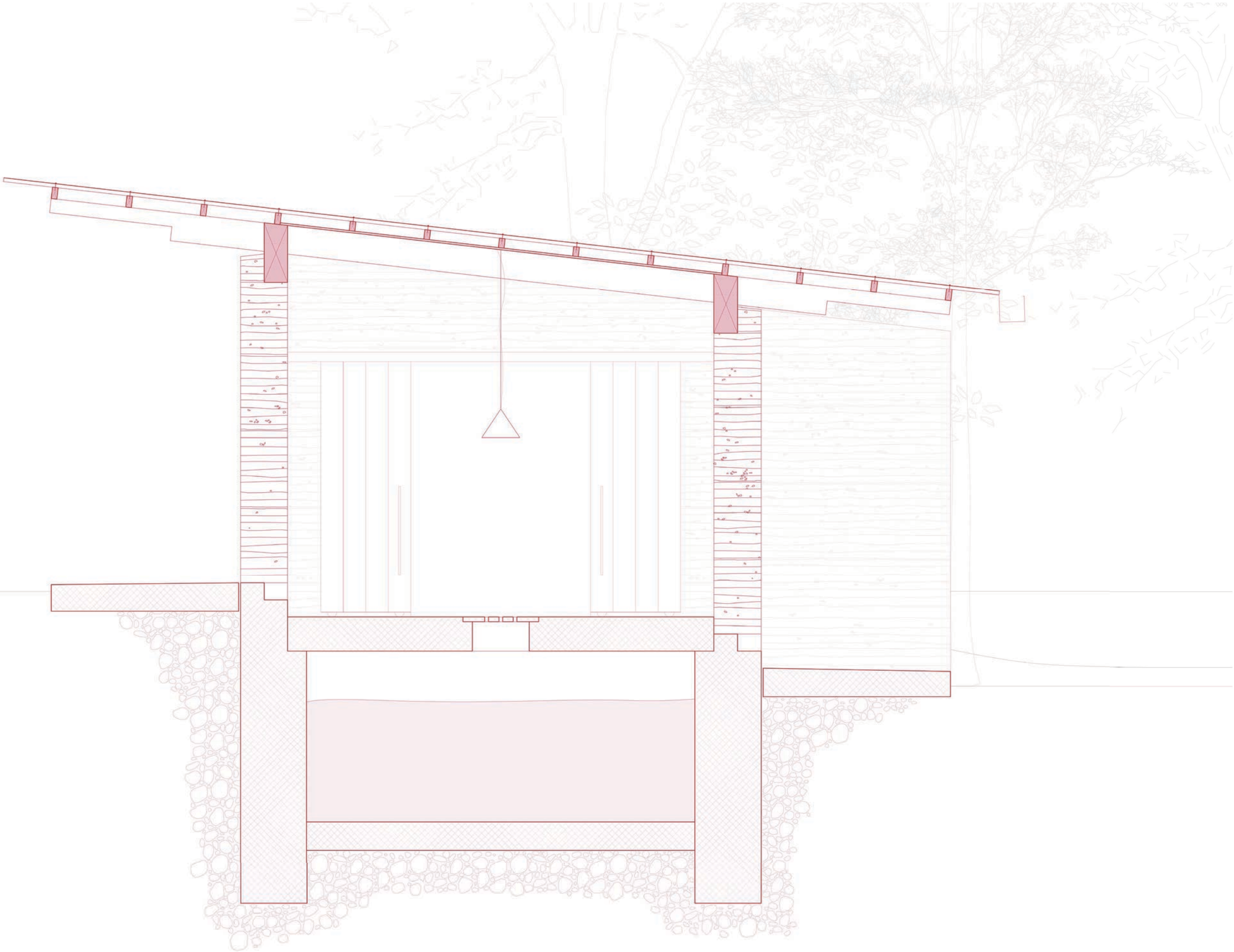






Intervention - Barchessa





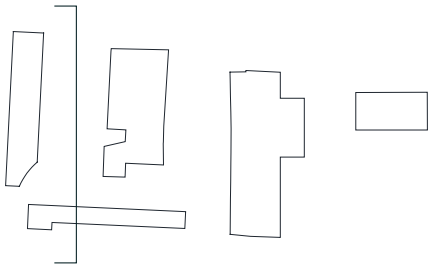
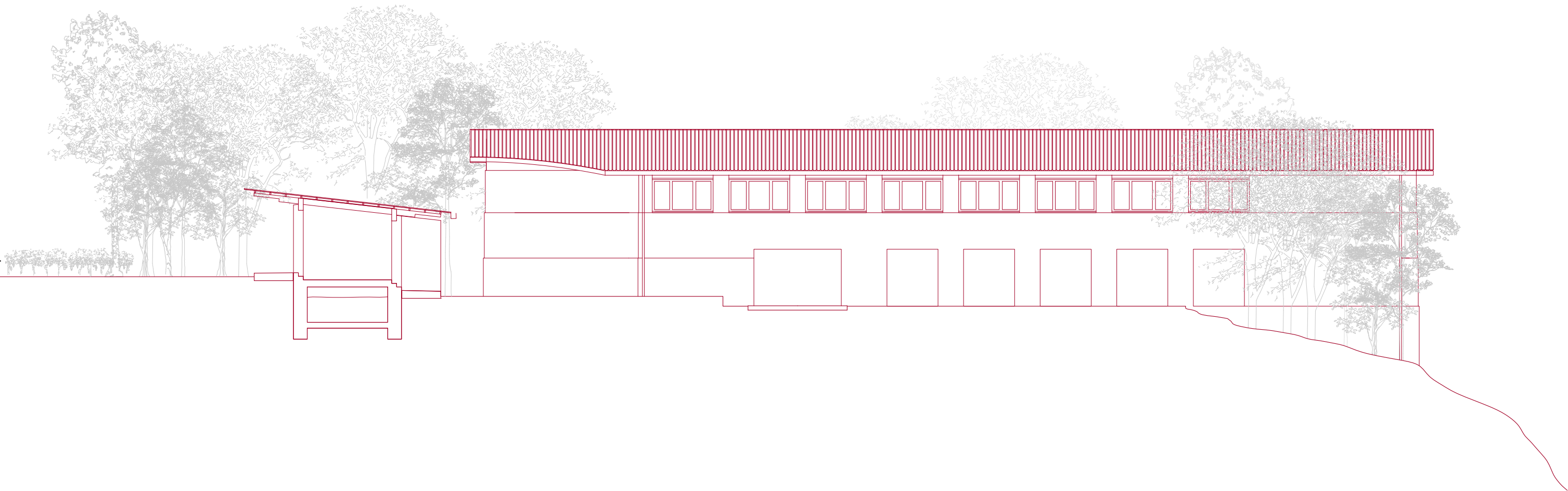
Intervention - Barchessa Detailed Section





Christopher Carlo Piderit

Explore Lab P5



Barchessa - Section

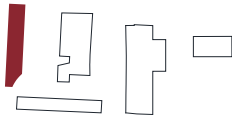




Christopher Carlo Piderit



Explore Lab P5



Intervention - Cortina, Ground Floor

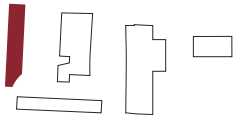




Christopher Carlo Piderit



Explore Lab P5



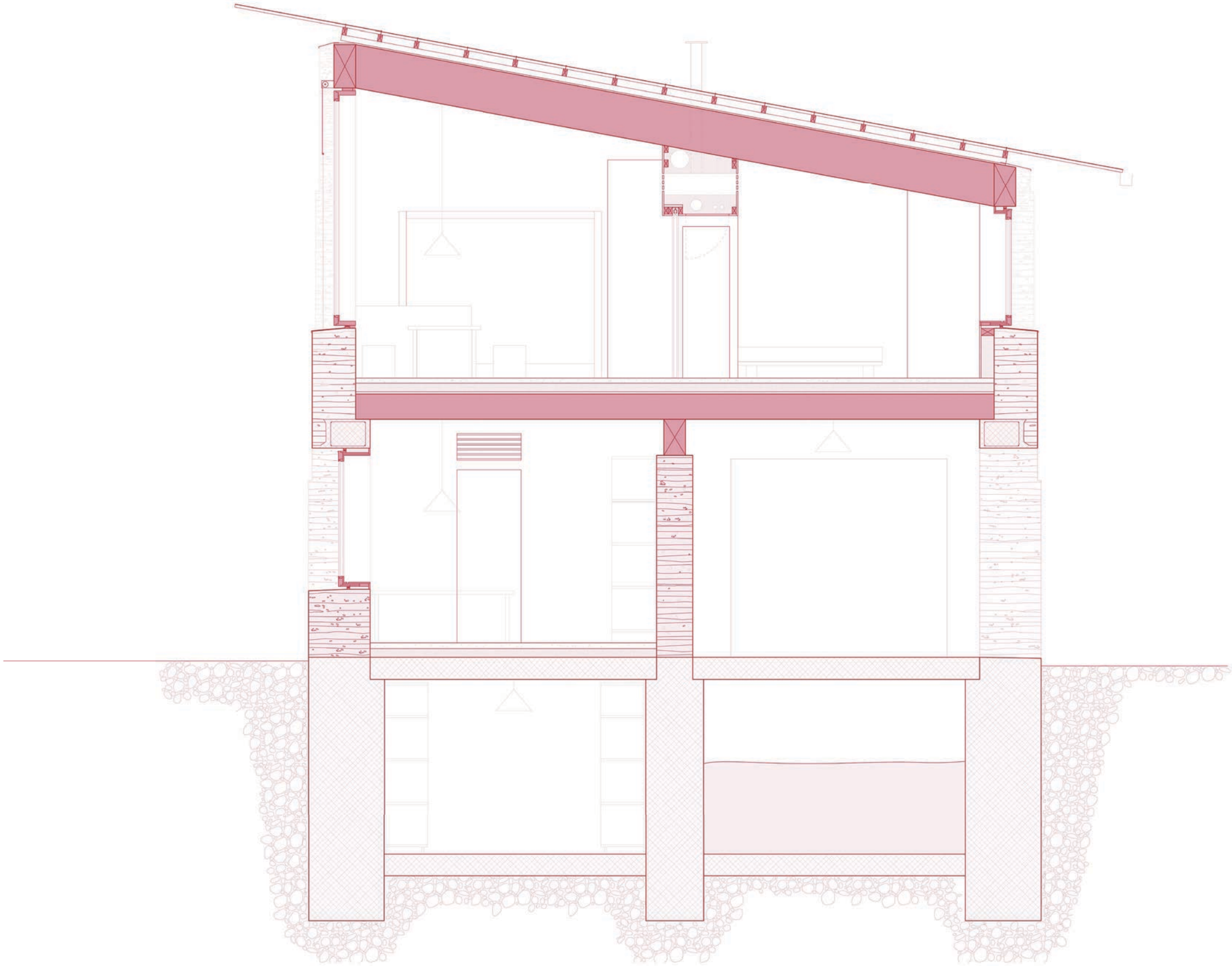
Intervention - Cortina, First Floor





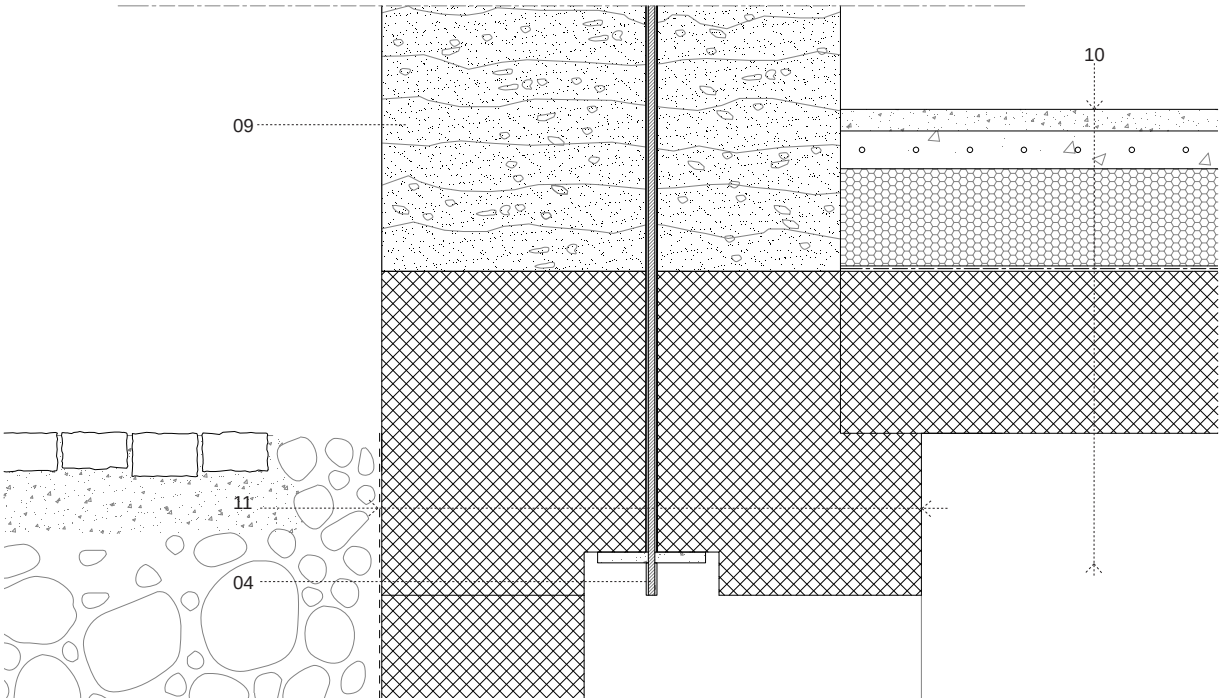
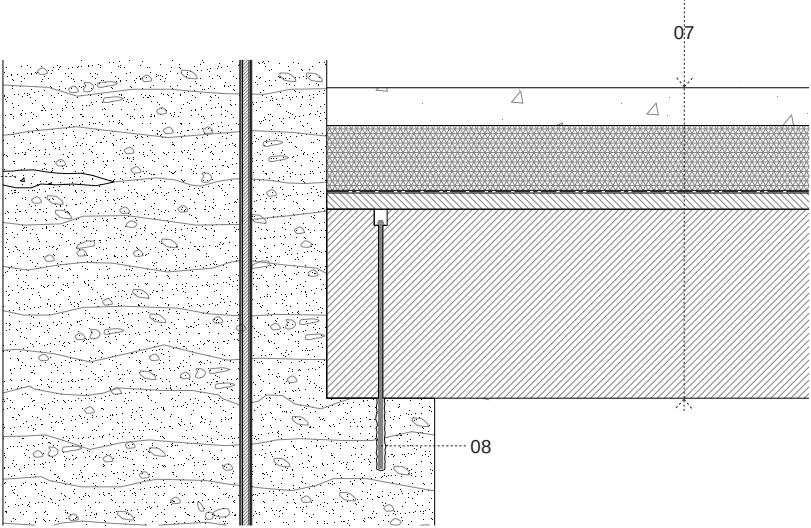
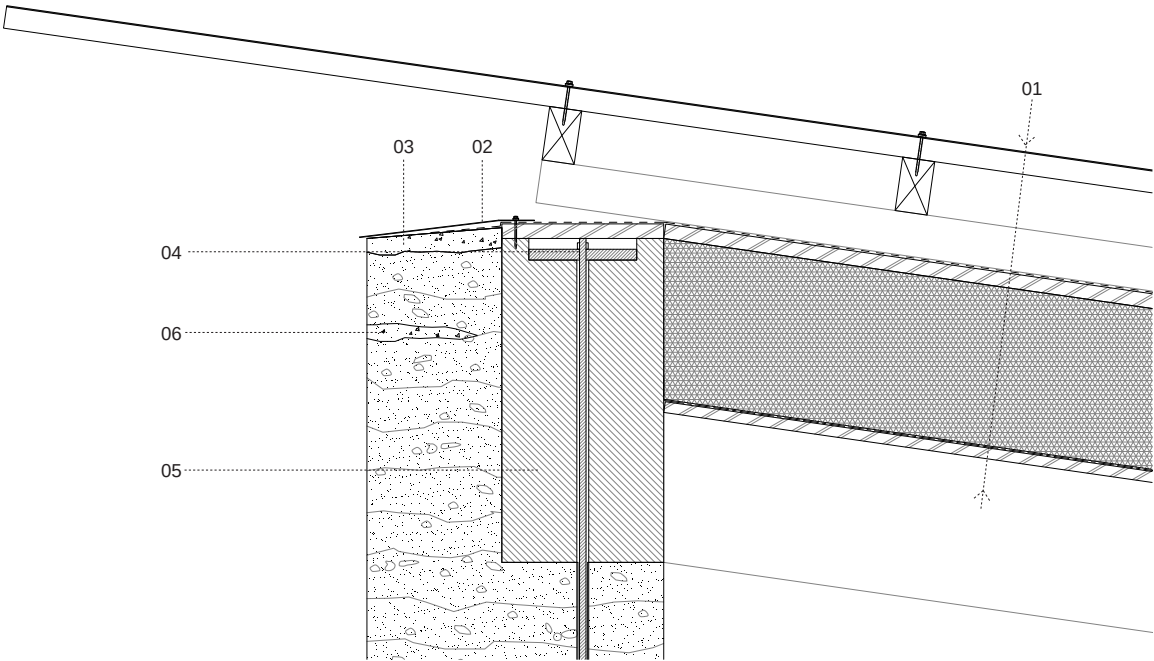






Cortina - Construction Section

A SENSIBLE MORPHOLOGY

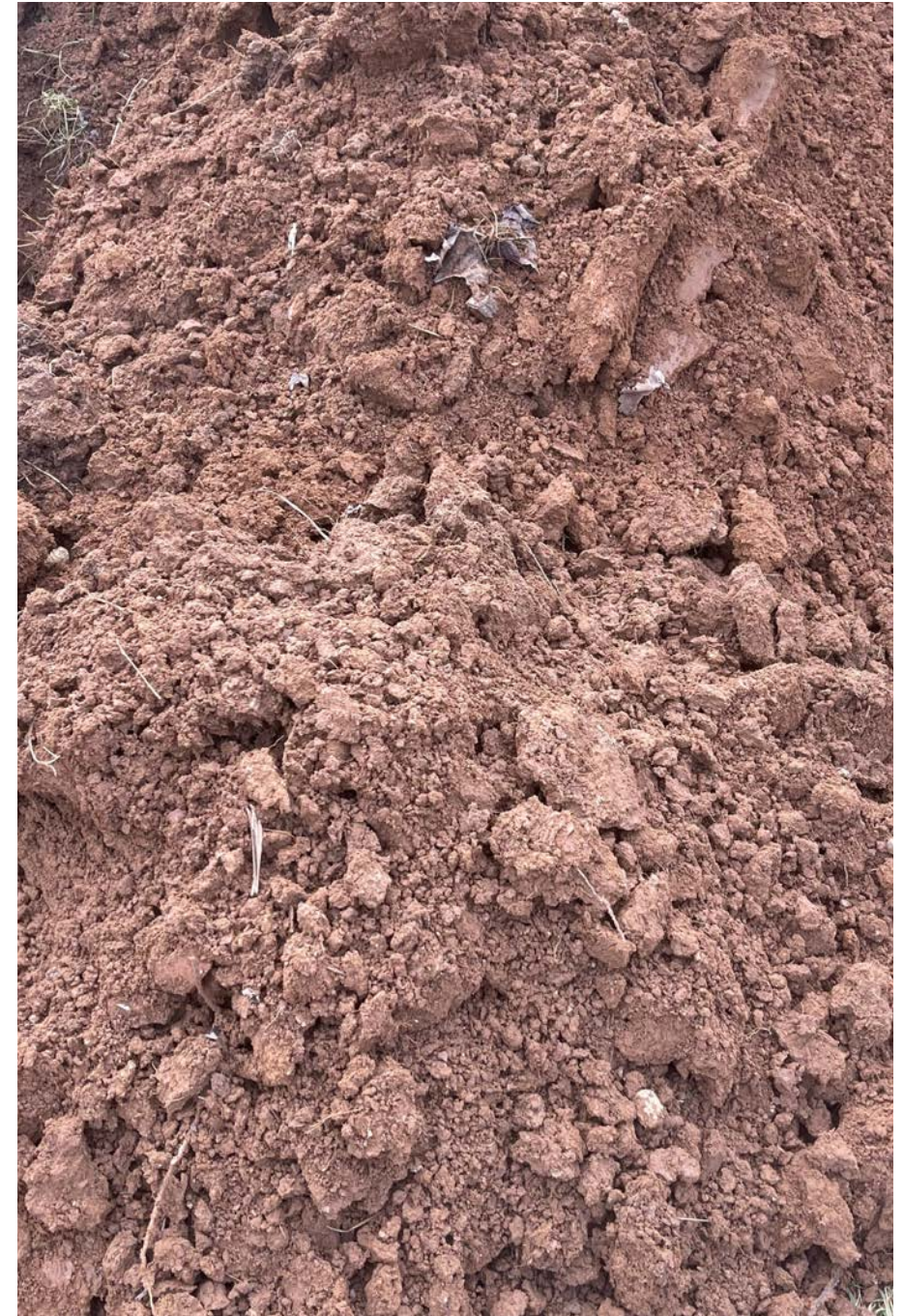


- 01 Roof Construction
 - Corrugated sheet h:40mm, t:1mm
 - Wooden Batten 60x40 mm
 - Longitudinal Batten for ventilation 60x40mm
 - Bitum Water Barrier 2mm
 - Plywood 19mm
 - Wood Fiber Insulation 350mm (Beam thickness)
 - Vapo Barrier 1mm
 - Three Ply Pannels 19mm
- 02 Metal Sheet 2mm
- 03 Trass - lime lintel
- 04 Post compression
 - Structural steel bracing 15mm
 - Plastic cavity 25mm
 - Steel Plate 150mm t:8mm
- 05 Ring Anchor Chestnut Beam 600x300 mm
- 06 Protection agains errosion, Trass - lime mortar 40mm
- 07 Floor Construction
 - Rammed Earth Floor 70mm
 - Reed maat insulation 120mm
 - Vapor Barrier 1mm
 - Chestnut Beam 350x180 mm
- 08 Metal rood M10
- 09 Rammed Earth 850 to 250 mm
- 10 Floor Construction
 - Rammed Earth Floor 70mm
 - Floor heting 50mm
 - Reed maat insulation 170mm
 - Vapor Barrier 1mm
 - Rienforced trass lime 300 mm
- 11 Connection with the Ground:
 - Rienforced trass lime 1000mm
 - Bitumen waterproofing 5mm
 - Gravel
 - Earth

Cortina - Detail Section



Morenic Soil



Ferrallitic soil





Wurm Glaciation, Pleistocene, 110.000 - 11.900 BC



Wurm Glaciation, Pleistocene, 110.000 - 11.900 BC

Christopher Carlo Piderit

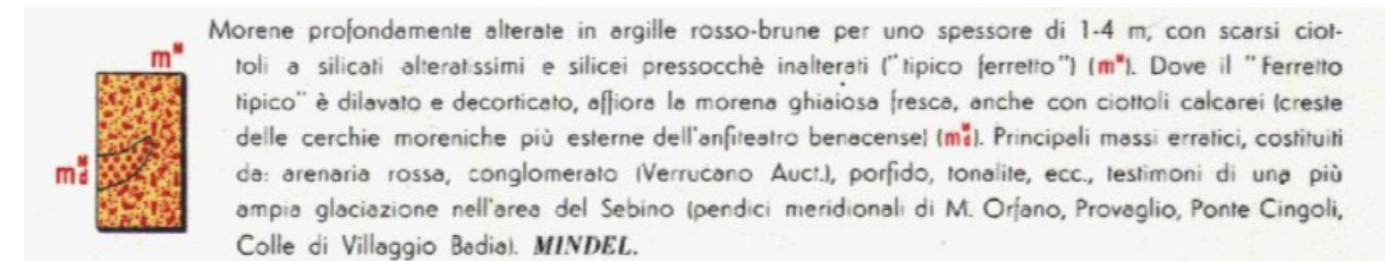


 Puddinghe, arenarie e scisti del Carbonifero.

 Calcari marnosi, marne variegatae Cenomaniano Albiano;

 Morena ;

Geologica Map of Lombardy, prof. Torquato Taramelli, 1980



91 / 114



1898

Morphological alteration

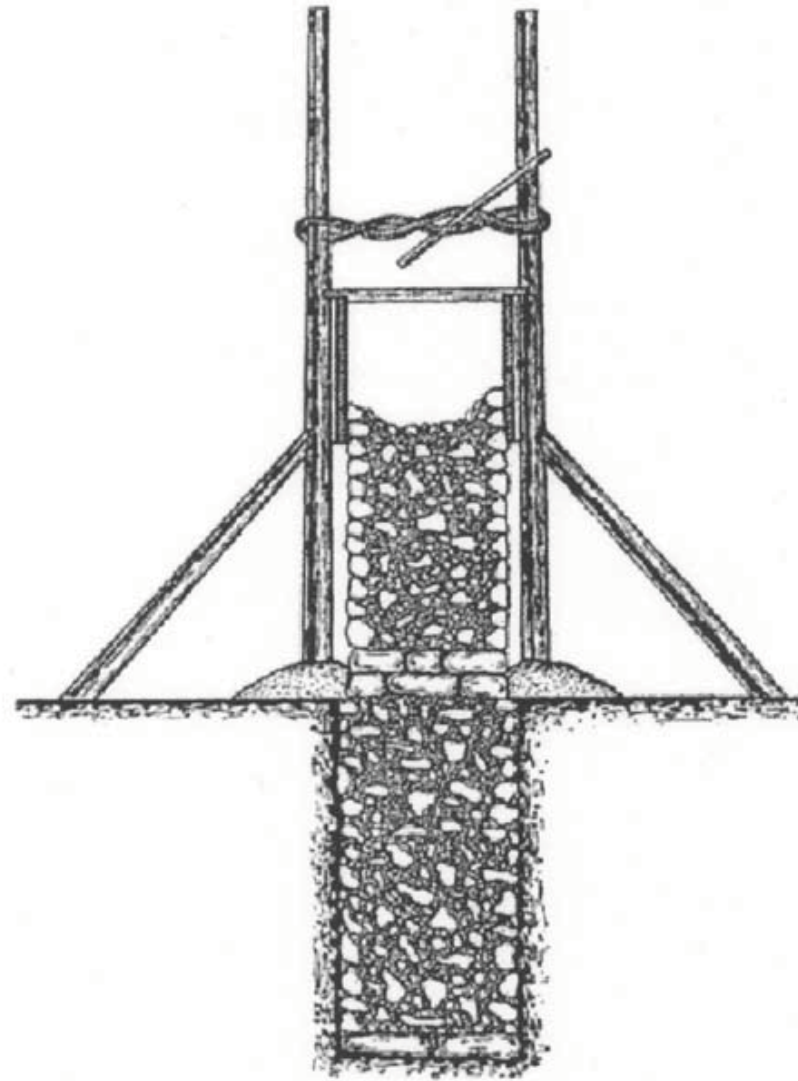


Robert Smithson, Asphalt Rundown, 1969

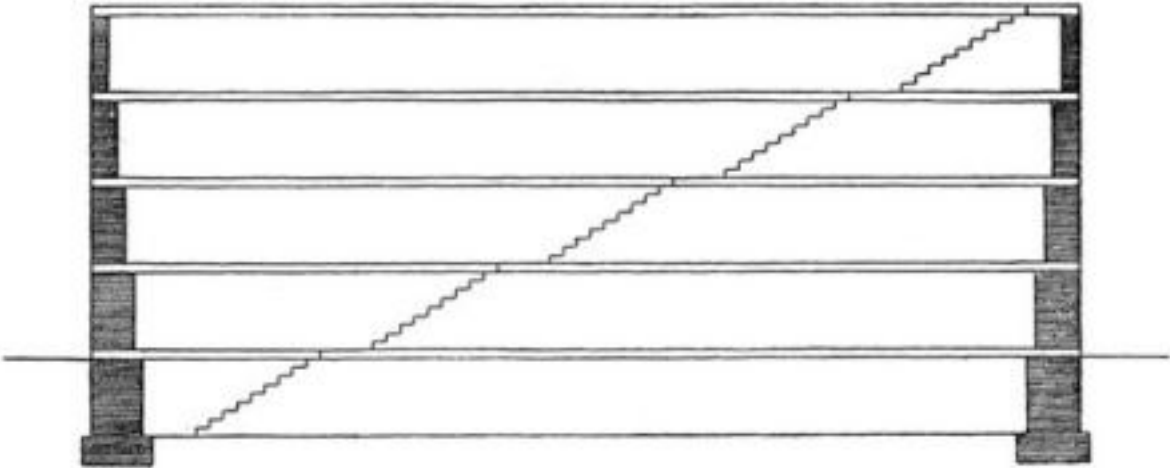
“Every machine is a machine of a machine”

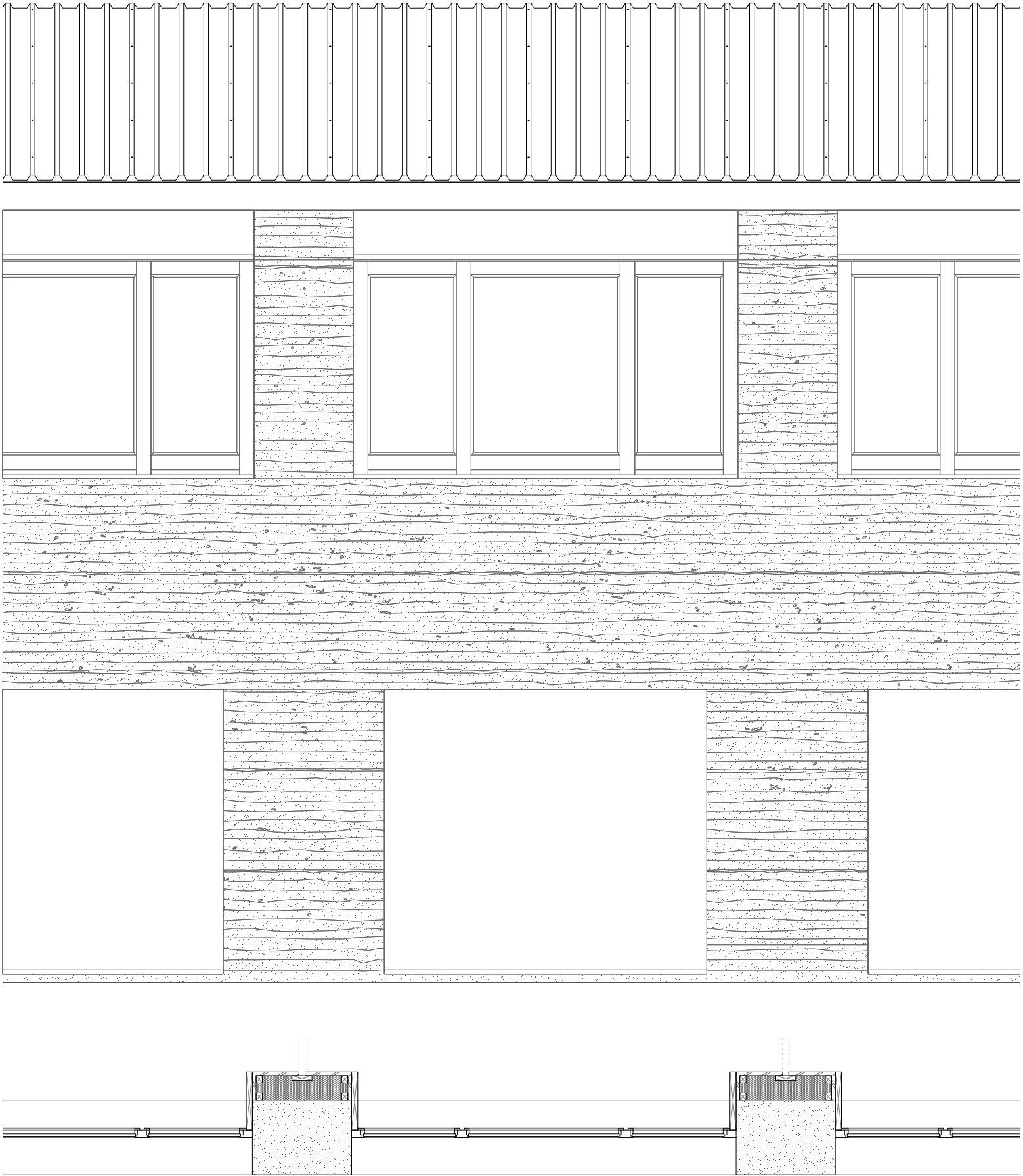
G. Deleuze & F. Guattari, Anti-Oedipus, 1972





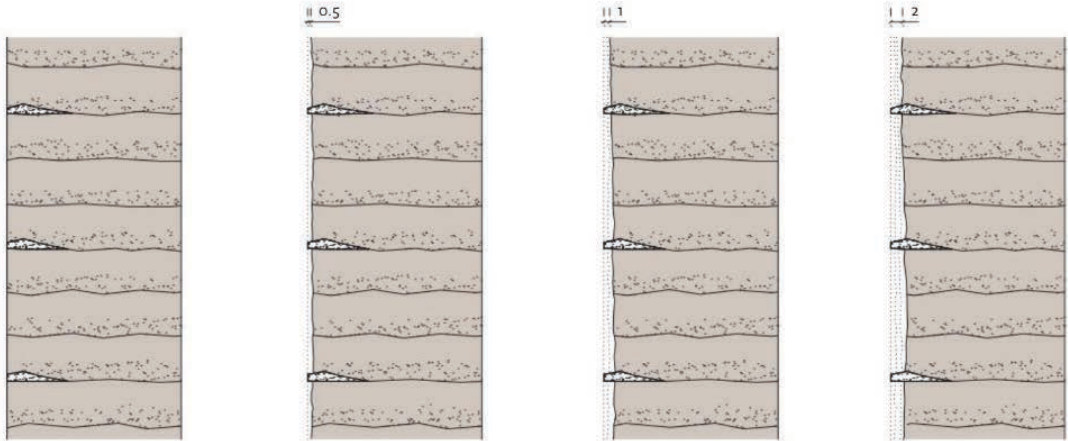
Production of Roman concrete (opus caementicium) between wooden formwork





Cortina - Section Ground Floor 1:20

A SENSIBLE MORPHOLOGY



Controlled act of Erosion

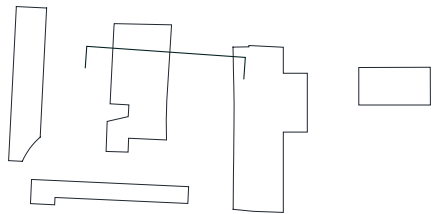




Christopher Carlo Piderit



Explore Lab P5



Intervention - Cà de la Vita, Section





A tall room

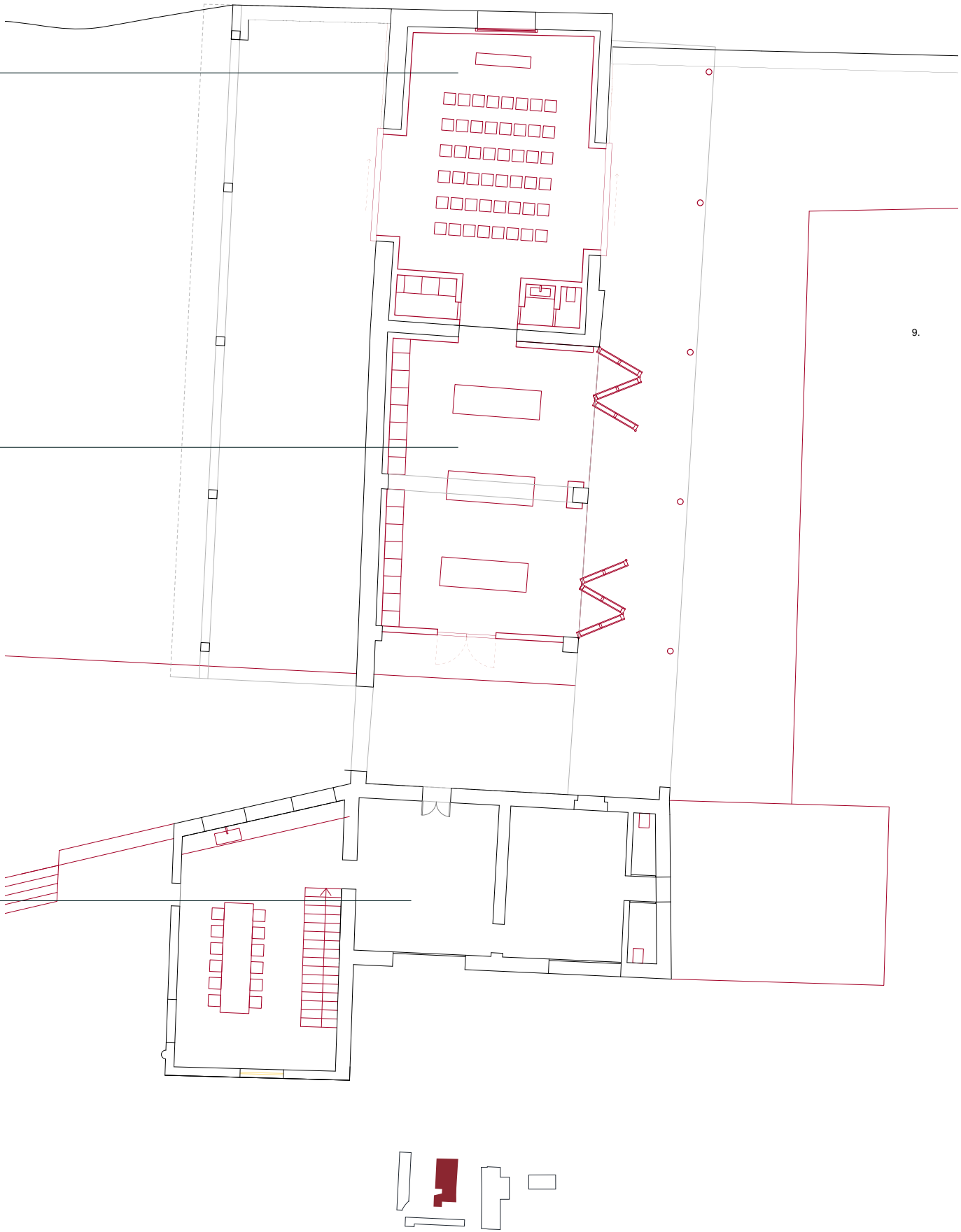
A place for people
teaching and learning

An exhibition

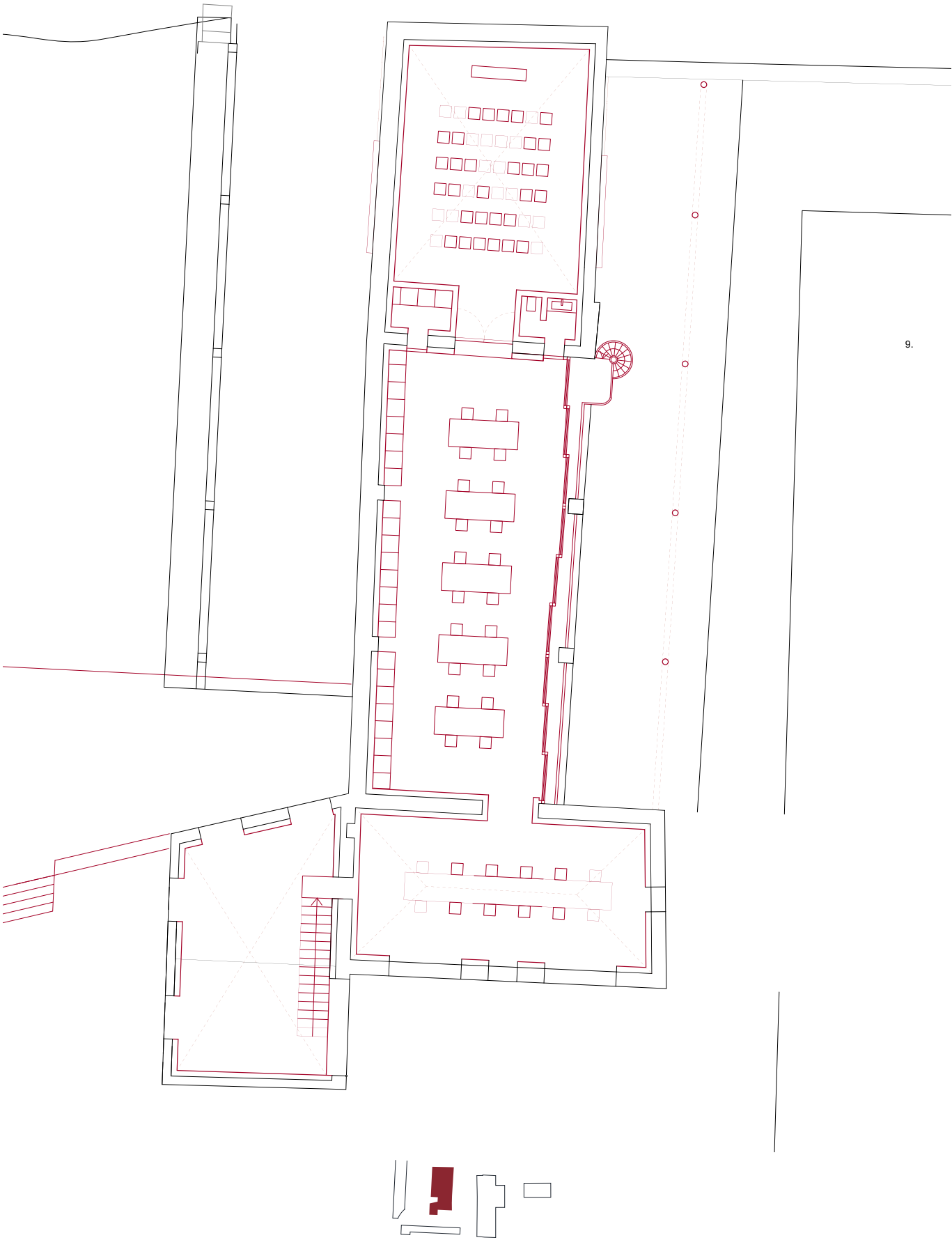
A place for exhibiting
and showing

Lavorii (Co-working)

A place for Intellectual
work.



Intervention - Cà de la Vita, Ground Floor



Intervention - Cà de la Vita, First Floor











“The emergence of relations among things, more than the things themselves, always gives rise to new meanings.”

Aldo Rossi, A Scientific Autobiography, 1981

A Sensible Morphology

