

Atlas of Details



Frank Lloyd Wright. Fallingwater 1934-1937

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URL: <https://www.detailsinsection.org/projects/crystal-palace>

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Atlas of Details is a research project to demonstrate how insightful a section can be, in order to represent the complexity of the architectural artifact, since it allows the simultaneous perception of materiality and form, of building envelope and interior spaces. Atlas of Details is a project by The Formwork, an association established by professors and PhD candidates with diverse academic backgrounds (history, architectural design, technology, preservation) working at the IUAV University in Venice and at the Milan Politecnico. For more information about the Atlas of Details and The Formwork, please contact info@theformwork.org.

The Formwork

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Frank Lloyd Wright

Fallingwater

1934-1937

Text

Marco Stiz
IUAV Venezia

Drawings

Marco Stiz
IUAV Venezia

Architect

Frank Lloyd Wright (1867-1959)

Name of the building

Fallingwater

Site

Bear Run, Pennsylvania(USA)

Client

Edgar J. Kaufmann

Contractors

Walker J. Hall & Son

Engineer

Mendel Glickman;
William Peters;
Metzger-Richardson

Other actors

Bob Mosher (supervisor)
Edgar Tafel (supervisor)
WASA/Studio (restoration architect)
Robert Silman Associates (restoration engineers)

Building permit

1932

Start of construction works

July 13, 1936

End of construction works

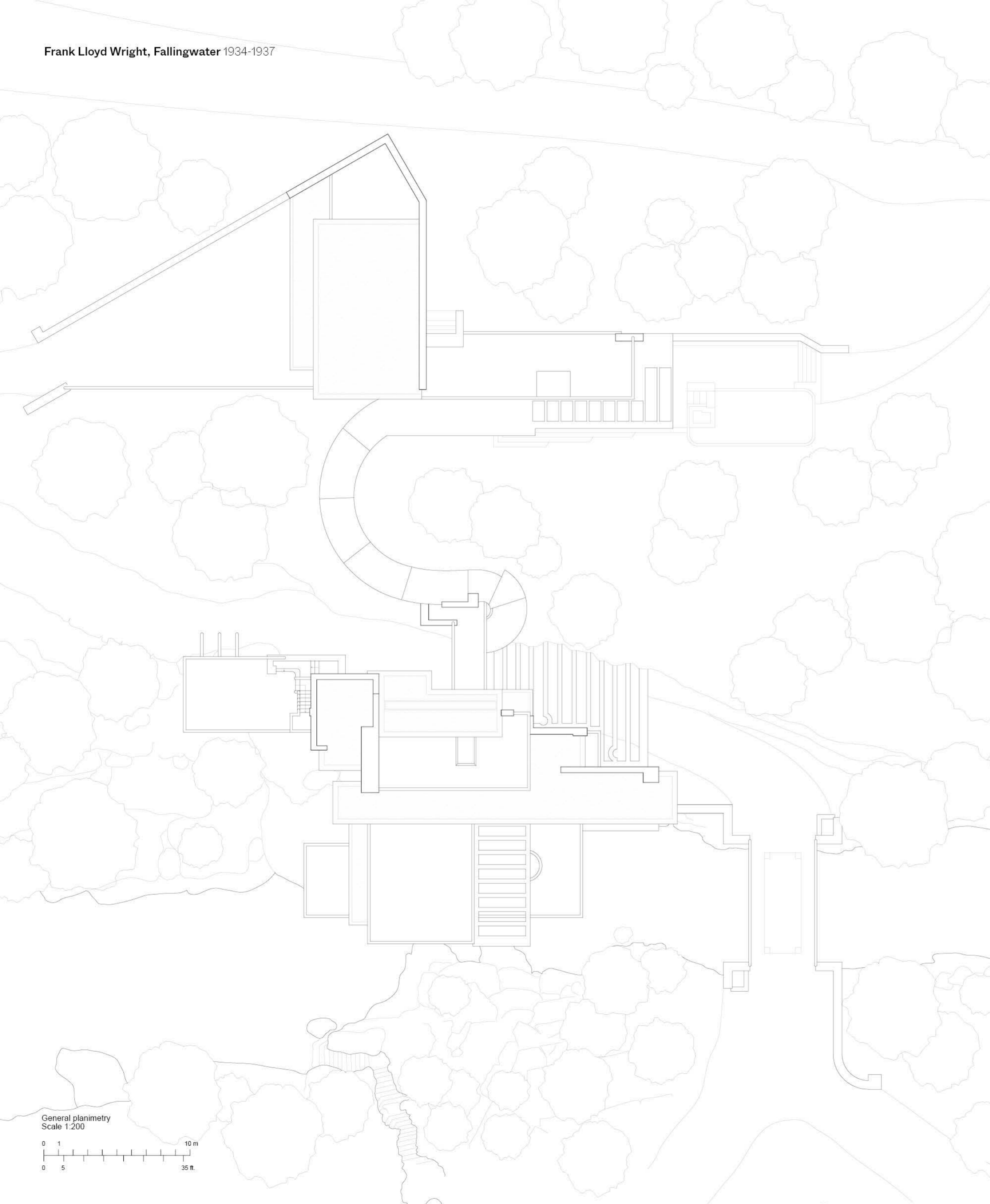
Spring 1937

Prizes

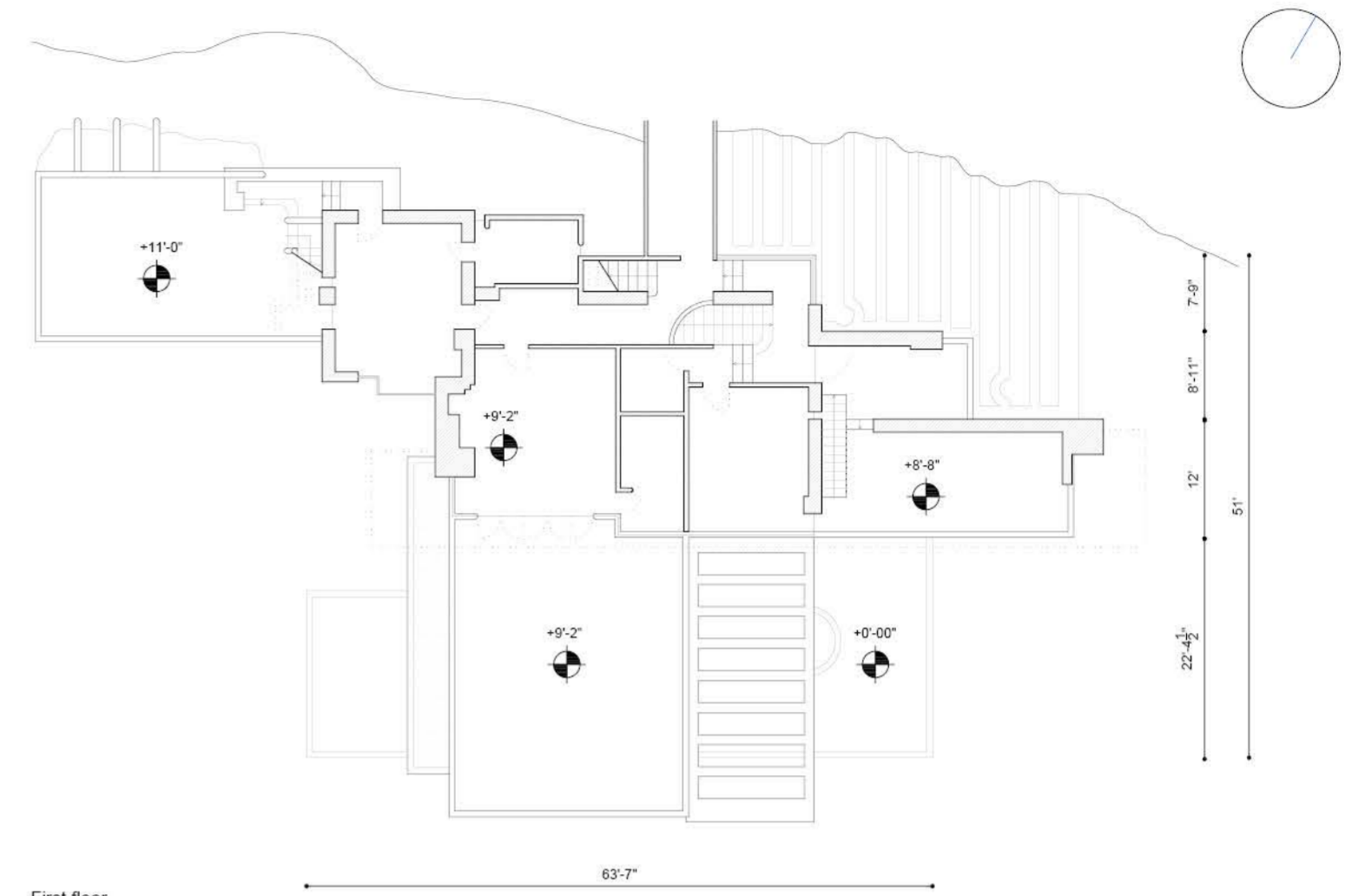
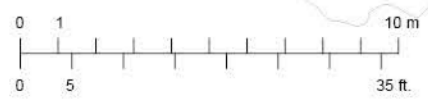
Best building of all time made in America.

Construction system

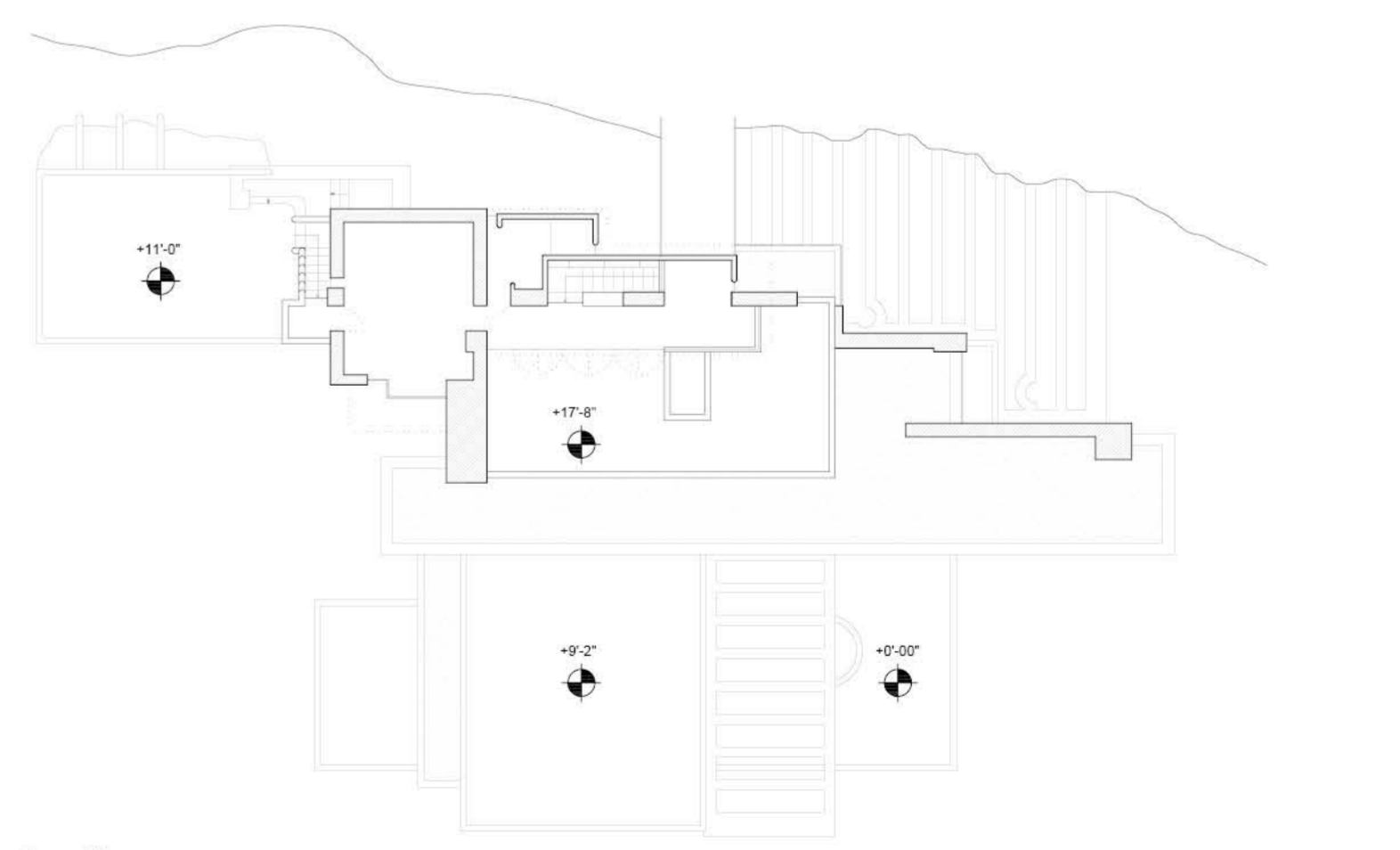
Partitions in split local stone and cantilevered reinforced concrete terraces



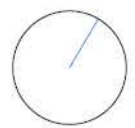
General planimetry
Scale 1:200



First floor
Scale 1:200

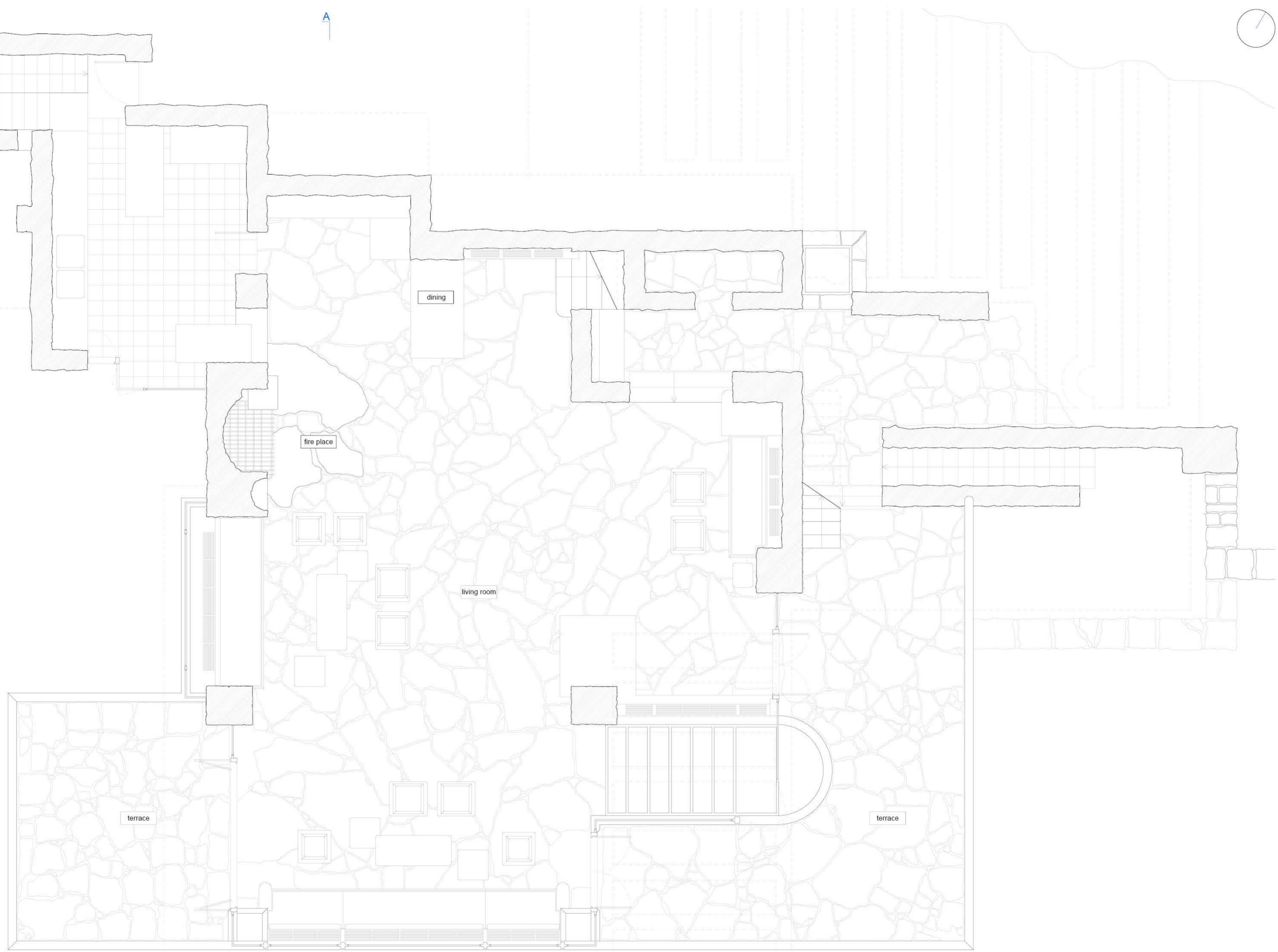


Second floor
Scale 1:200



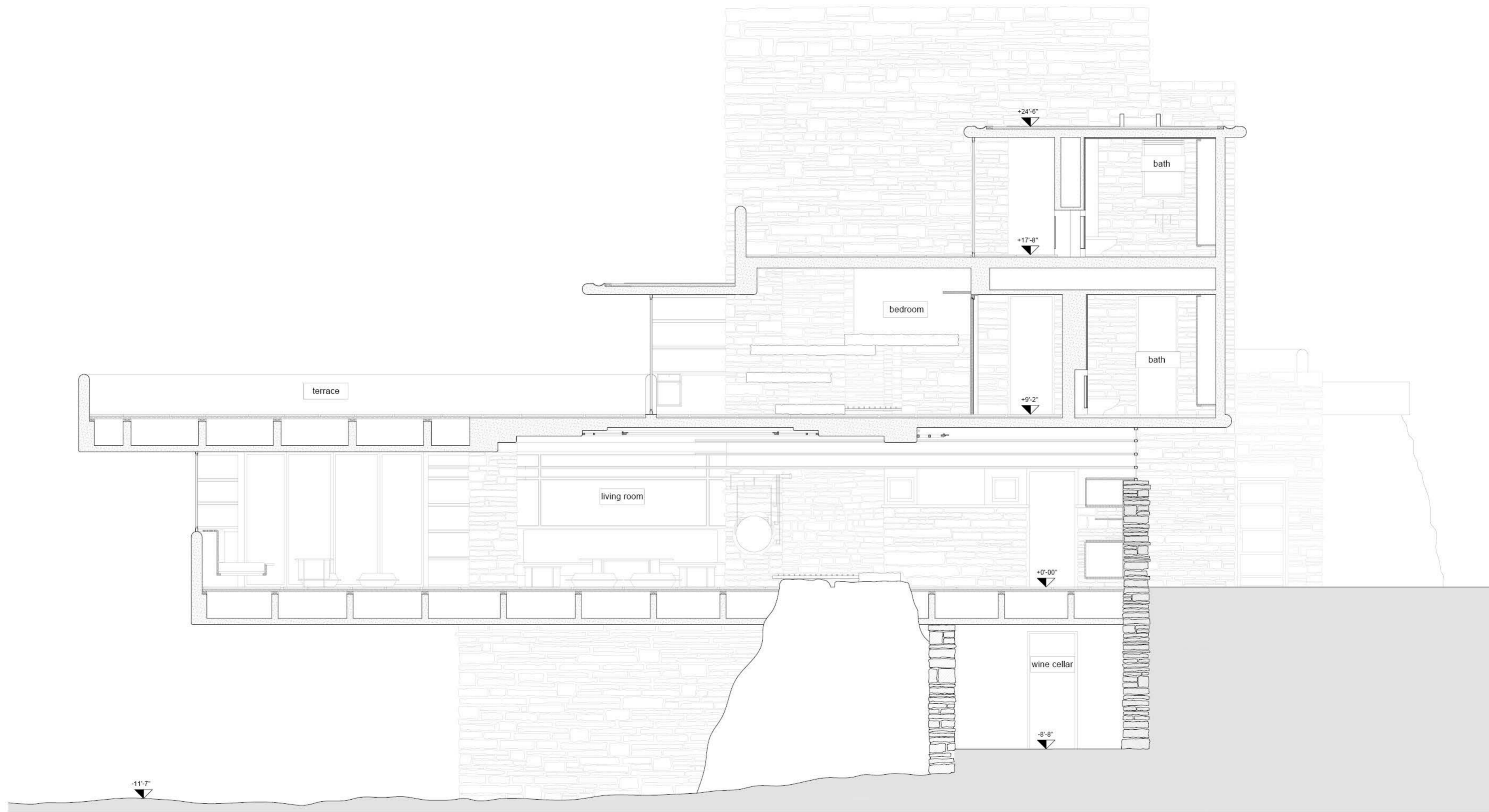
A

A'

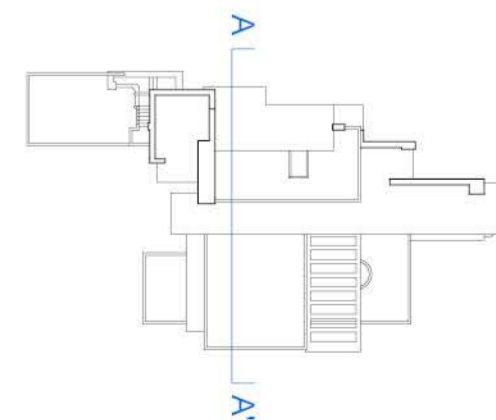
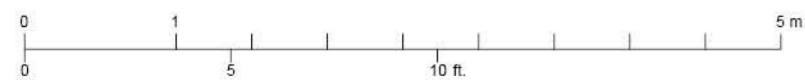


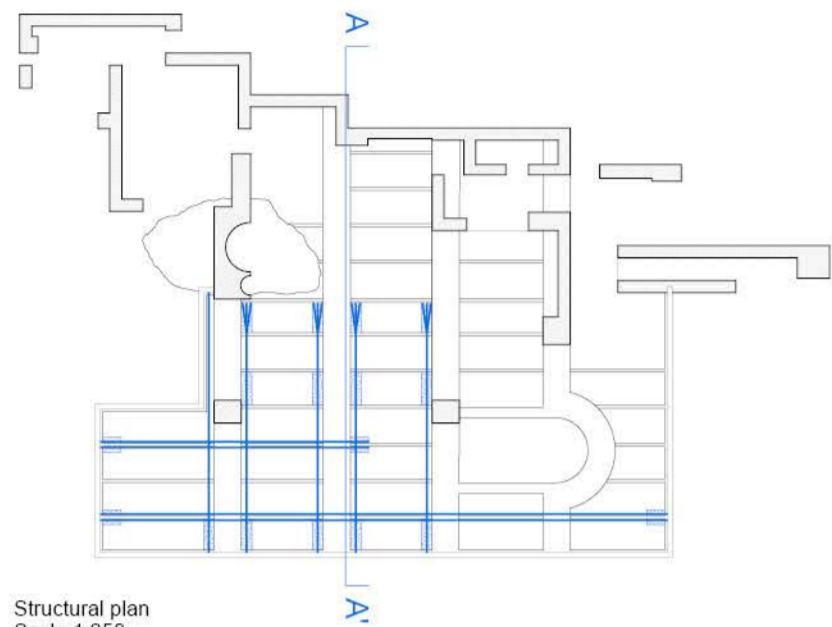
Scale 1:50



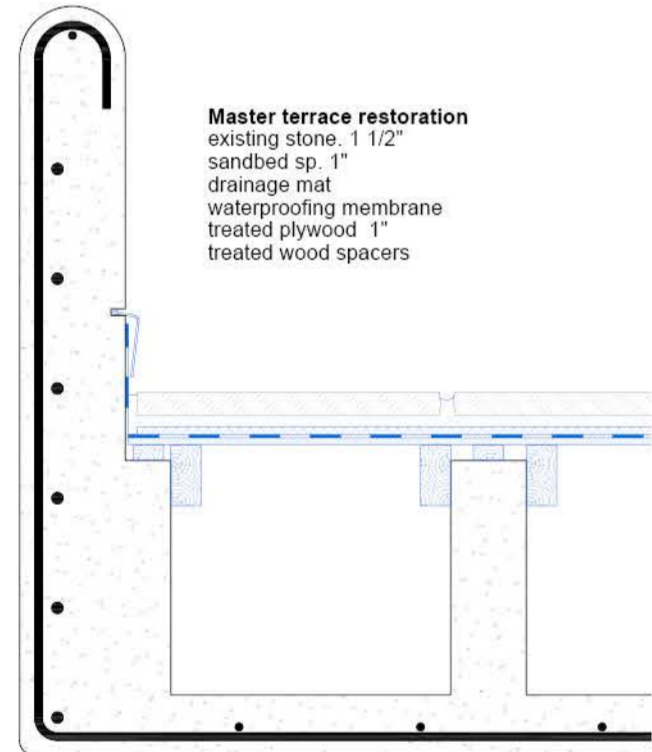
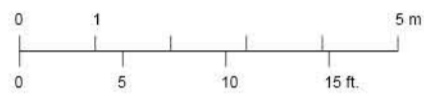


Section AA'
Scale 1:50



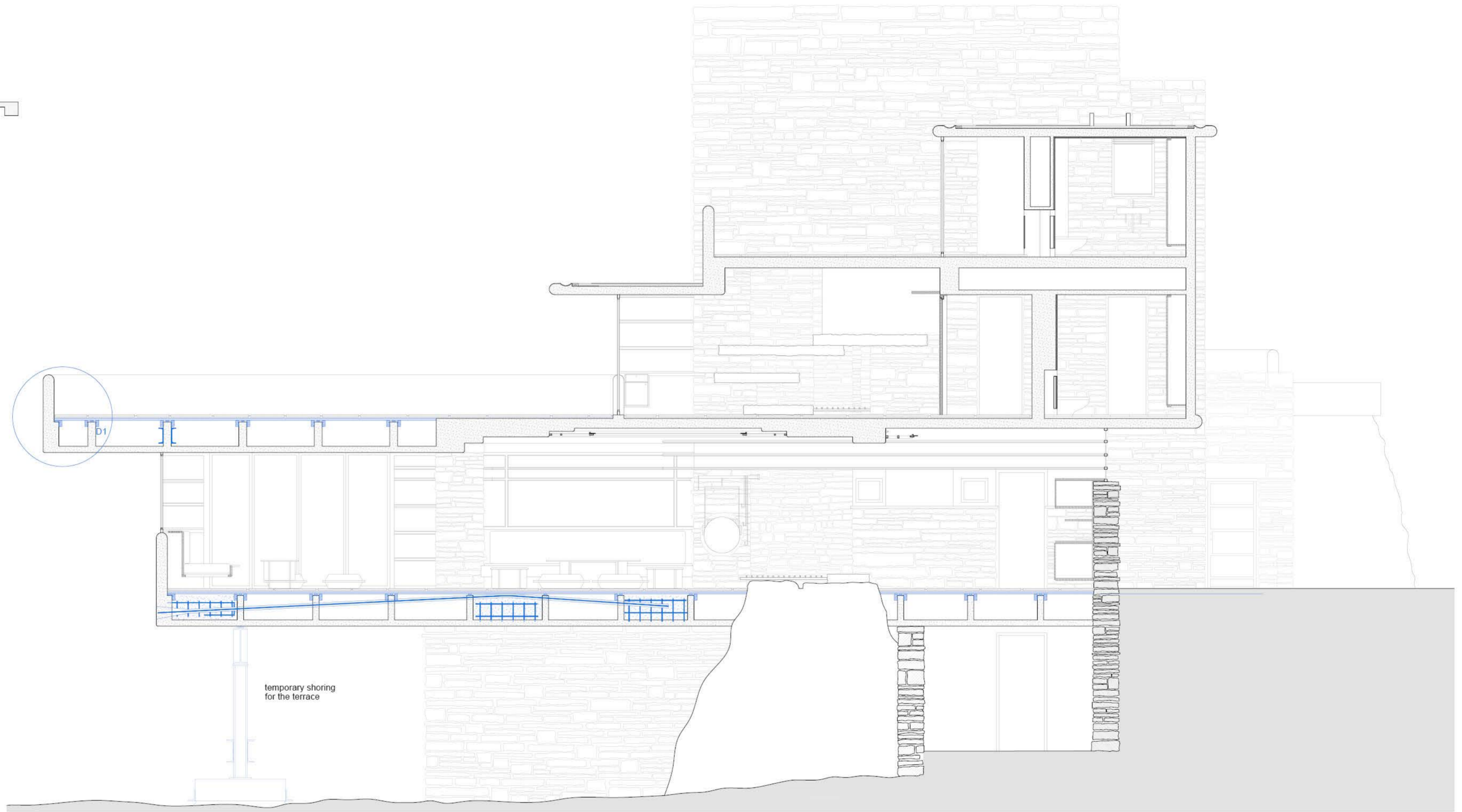
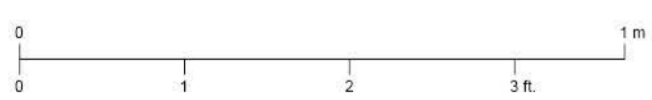


Structural plan
Scale 1:250



Master terrace restoration
existing stone, 1 1/2"
sandbed sp. 1"
drainage mat
waterproofing membrane
treated plywood 1"
treated wood spacers

D1 restoration
Scale 1:10



temporary shoring
for the terrace

Section AA'
Scale 1:50

