



UE G Drawing Spaces

Spring Semester 2027

photo credit: Lea Guillotin, 2024

AR-424

Dr. Patricia Guaita, Architect
Lecturer ALICE IA /ENAC EPFL
31.08.2026

Teaching Team

Dr. Patricia Guaita, architect, lecturer and researcher, ENAC IA ALICE

Raffael Baur, architect, chargé de cours externe, ENAC

Dr. David Fernández-Ordoñez, civil engineer, lecturer ENAC SGC, fib

On Drawing by Hand

Cours/Atelier
CIVIL-126, GC/BA
“Drawing Structures I”

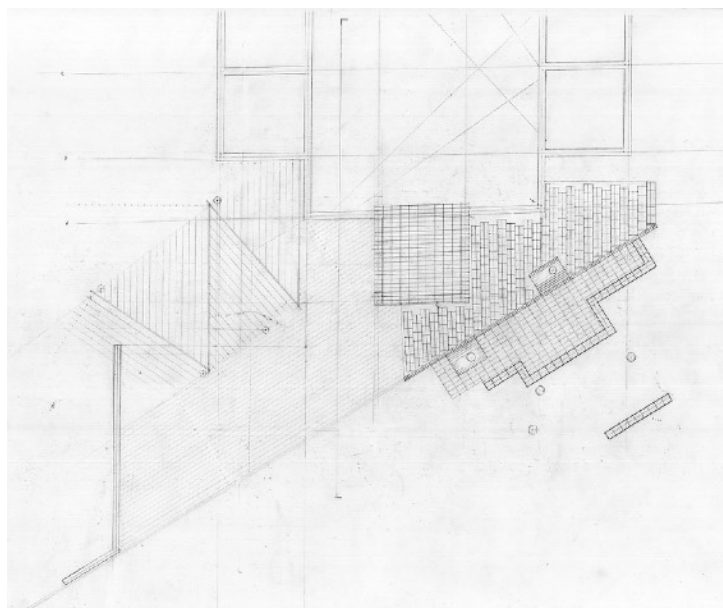
Teaching Unit
AR-424, UE G
“Drawing Spaces”

ENAC Summer Workshop
PENS-491 /MA, opt.
“Drawing Research Platform”

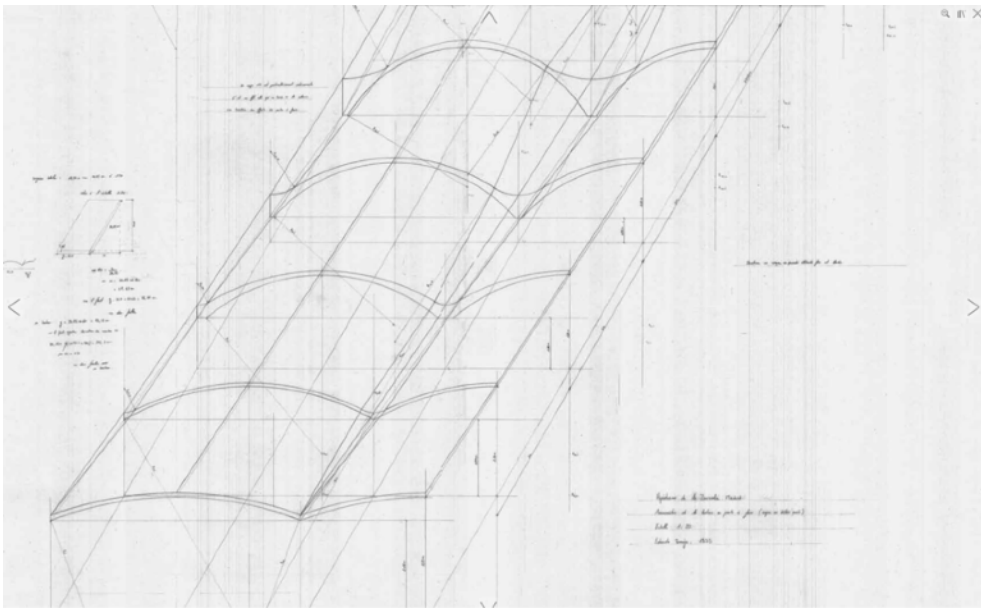
Teaching Unit
CIVIL- 475, GC
“Docta Manus
Drawing Structures”

Cours /Atelier
ARC 408
“Drawing Structures,
Docta Manus”

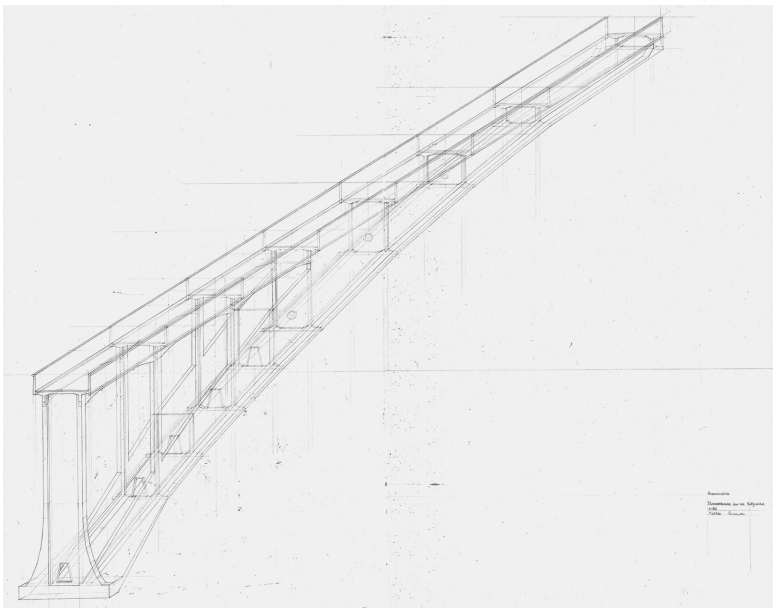
2018 2019 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030



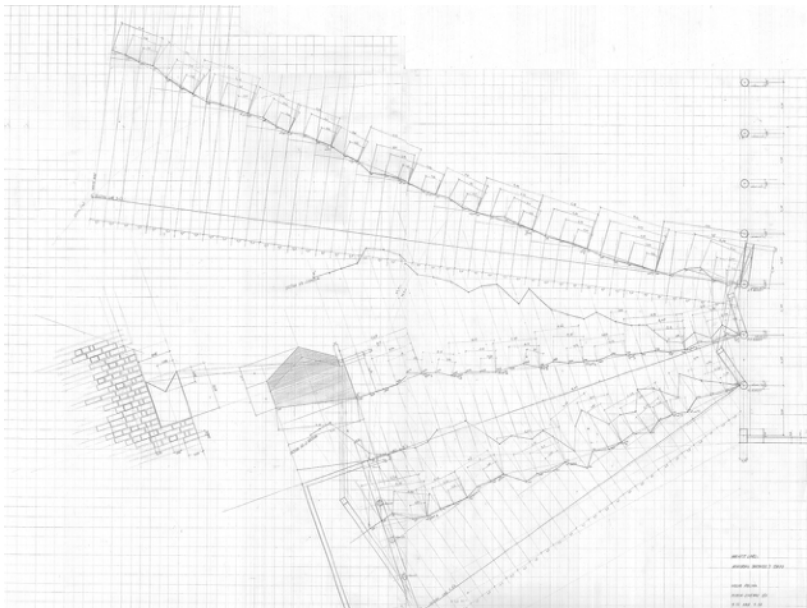
Open City Research Platfrom , Chile, 2019,
Philippine Radat



Eduardo Torroja, Hipódromo de la Zarzuela, Pierre
Edouard Jacquier, Drawing Structures 2023



Salginatobel-Brücke; Axonometry; 1:50
Matilda Grimaudo, Drawing Structures y1 2025



Shatwell's farm, Léo Perrin & Polina Holub,
Drawing Research Platform 2024

Drawing as Research

Original drawings are not treated as historical artefacts, but as active **research material**.

It enables students to engage with the multiple layers of architecture:
constructional, technical, conceptual, historical, cultural



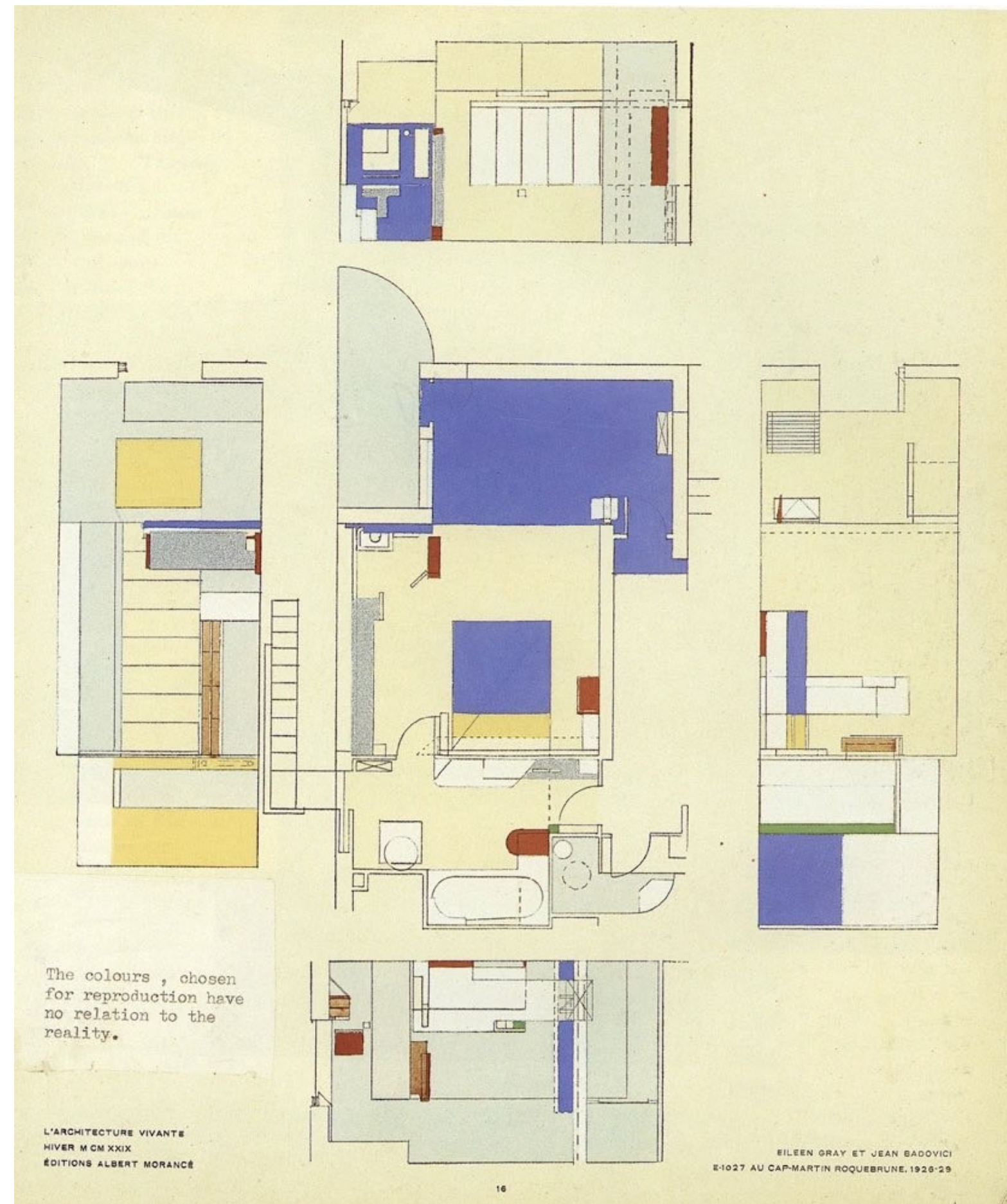
ENAC Summer Workshop 2025 at Drawing Matter, London UK ,
photo: Jesper Authen

On Drawing by Hand

Drawing as the discipline that allows us to incorporate the multiple dimensions of reality within a single working plane.

Summary

The *UE G - Drawing Spaces* explores drawing by hand as a critical and investigative practice for understanding how architecture is conceived, constructed, represented, and experienced.



Gray, E. (c. 1930). Plan of the main room and studio, with written comments by Gray in one of her copies of *E.1027: Maison en Bord de Mer*: "The colors chosen for the reproduction have no relation to reality," adapted from *Eileen Gray: Architect, Designer: A Biography* (p. 201) by P. Adam, 1987, Harry N. Abrams, Inc.

Drawing as Research

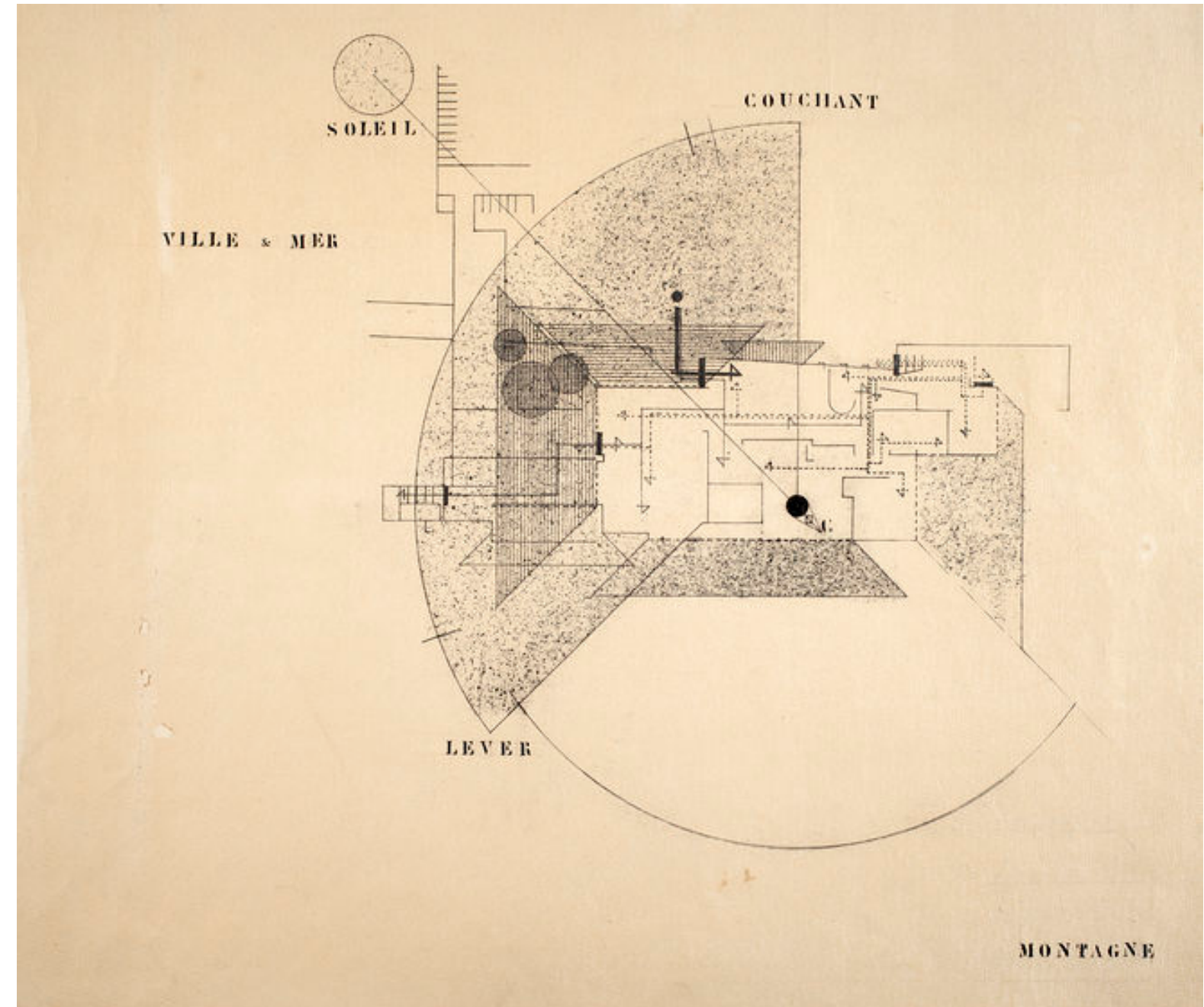
The UE is structured around the investigation of three complementary spatial logics drawn from key moments in architectural history.

E.1027 (1929)

Tempe à Paila (1932), Eileen Gray

Schröder House (1924), Gerrit Rietveld

Maison de Verre (1932), Pierre Chareau



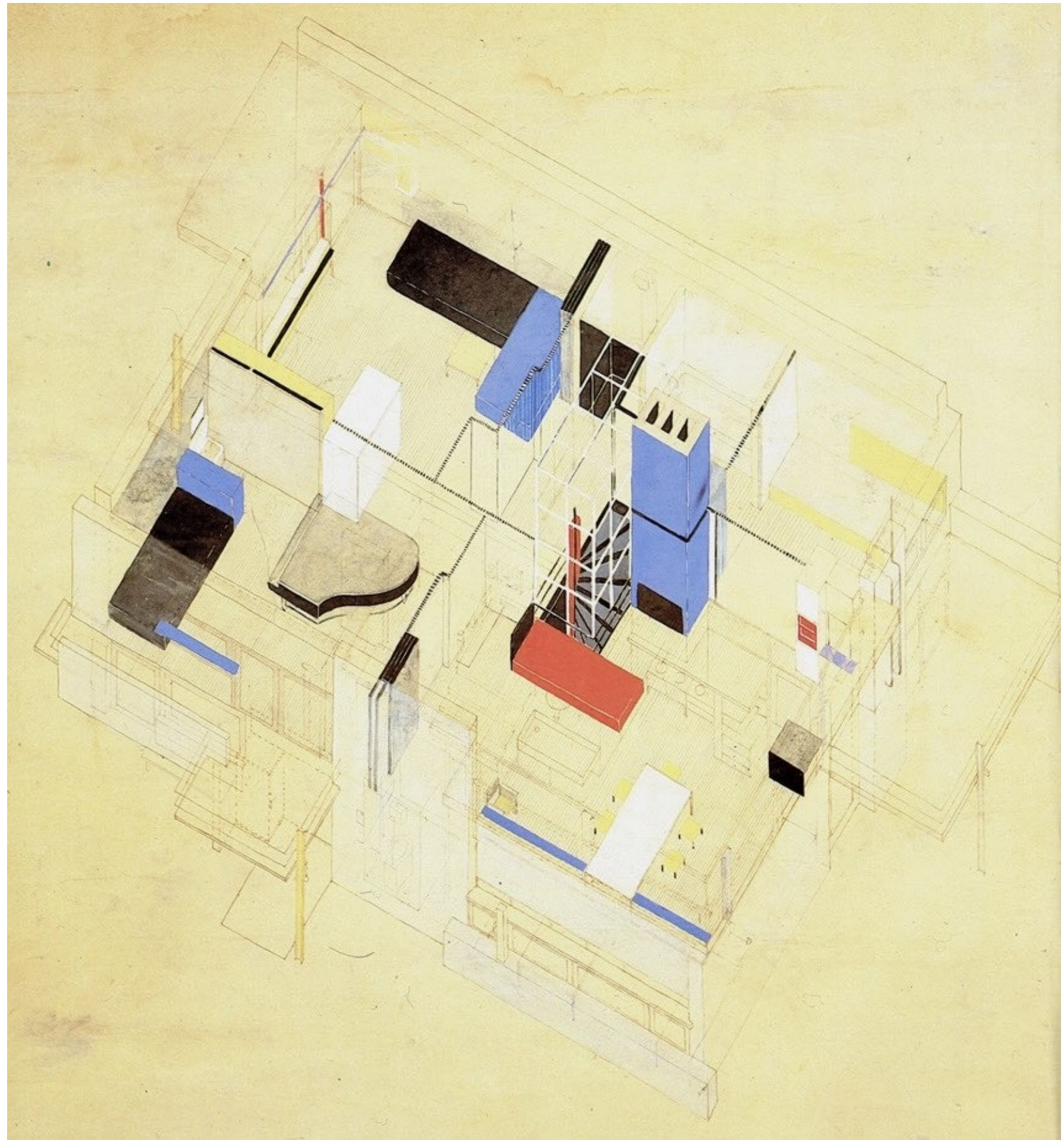
Eileen Gray. Tempe a Paila, Castellar, plan diagram of solar orientation. Print on paper.
National Museum of Ireland, NMIEG 2003.11.

Drawing as Research

Structure _Fragments / Projections

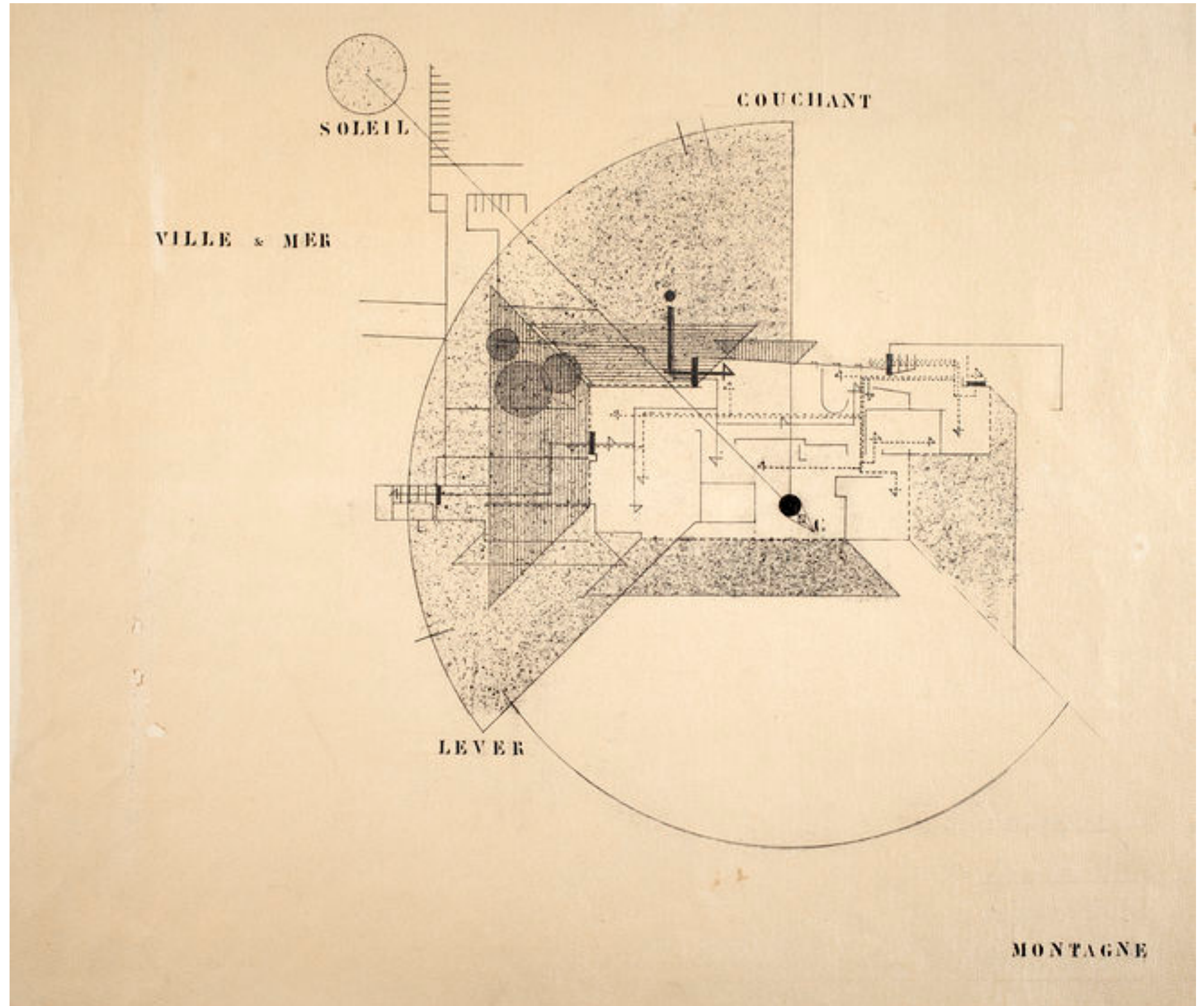
Space_ Detail /Axonometry

Time_ Montage / Process



Axonométrie, House Schroder, Utrecht, Gerrit Rietveld, 1924

CLIMATIC DRAWINGS



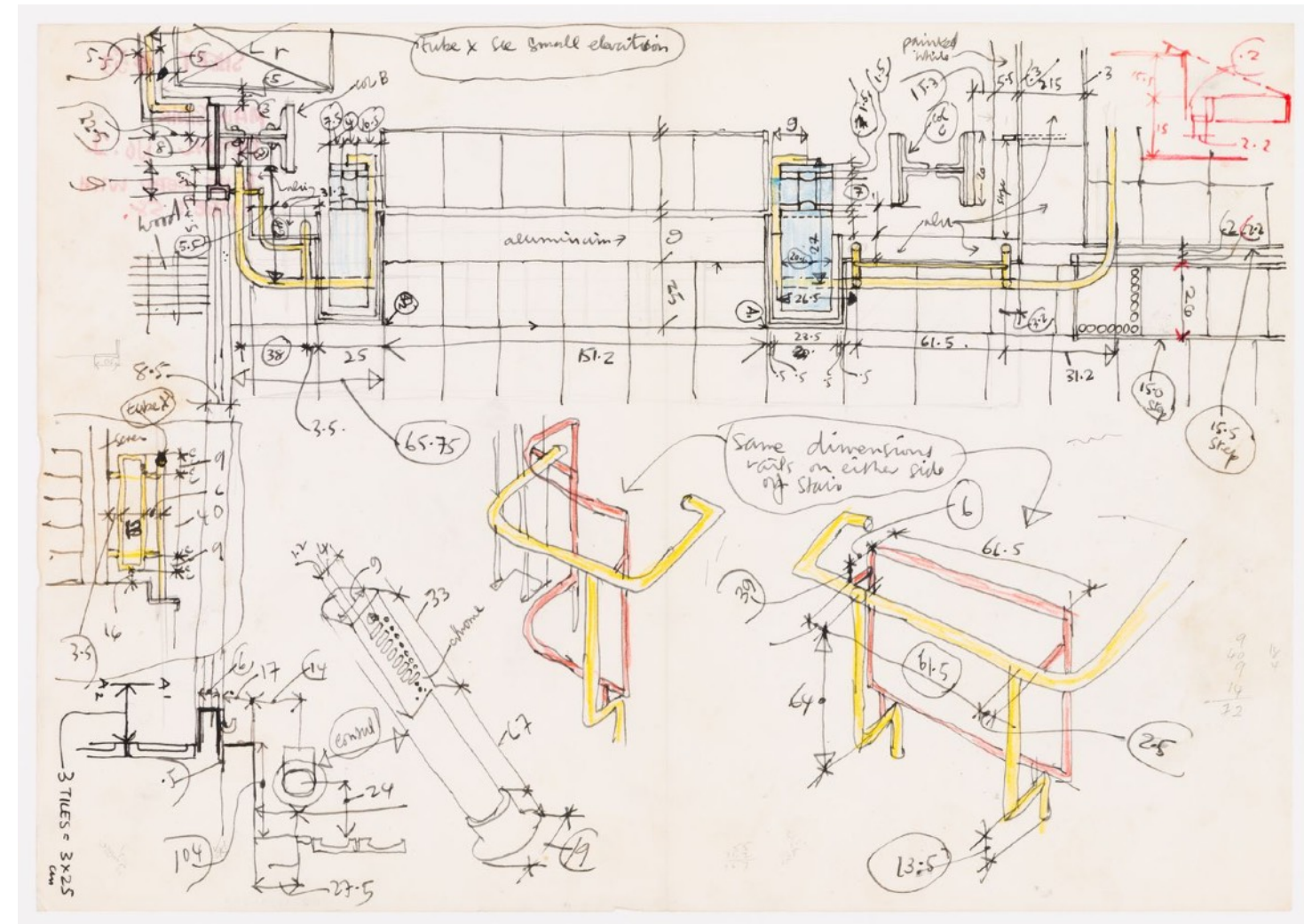
Eileen Gray. Tempe a Pailla, Castellar, plan diagram of solar orientation. Print on paper. National Museum of Ireland, NMIEG 2003.11.

Climatic Drawings

She integrates bodily movement, solar rhythms, and domestic routines into spatial drawings.

She overlays the inhabitant's trajectories with the sun's path throughout the day, suggesting a temporal and climatic sensitivity embedded in the act of drawing.

- Comprehension of and reflexion on spatial ideas and their connection over time as history of ideas
- Development of adequate conceptual tools permitting to nominate space
- Development of a sense of construction adequate to tectonic and spatial intention
- Understand the influence of the past through the EPFL Archives de la Construction Moderne



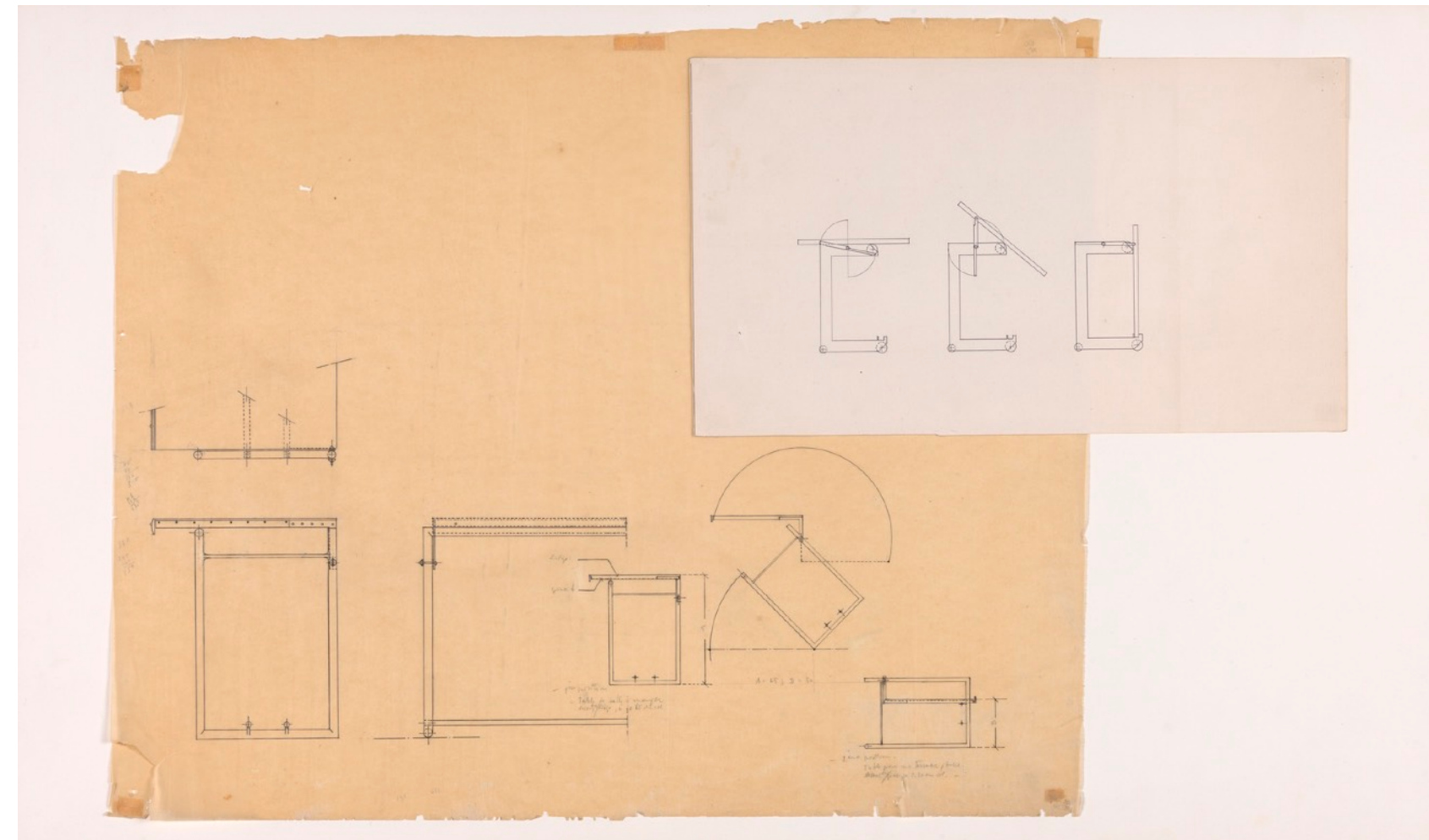
Kenneth Frampton — Measured Sketches of the Maison de Verre, Paris, c. 1965, Ink on paper, 29.7 × 41.9 cm. Kenneth Frampton fonds, Canadian Centre for Architecture, Montréal. ARCH280780.

Teaching method

Hand-drawing, lectures, collaborative discussions; interdisciplinary teaching team.

Evaluation criteria

Ongoing evaluation; students will be evaluated on the basis of the objectives stated in learning outcomes and their engagement (critical thinking, participation, initiative, collaboration).



Plan for a Table, c.1920. Pen and pencil on paper. Exhibition Eileen Gray: the private painter. Image courtesy of the Osborne Samuel Gallery.

Drawing as Research

Session I

Dedicated sessions with selected themes in the archives will allow direct engagement with these materials, fostering a critical reflection.

We will work in collaboration with ***EPFL Archives de la Construction Moderne***, used for research and teaching.



ENAC Summer Workshop 2023 at Drawing Matter, Shatwell, UK Archive workshop, 2023

Session II

Observation (In situ)

Visit (tbc)

E.1027 — Eileen Gray
Maison de Verre — Pierre Chareau
Petite Maison — Le Corbusier

De la Observación

TIPO DE REFERENCIA	Apuntes de Clases
TITULO	Sobre la Observación
AUTOR	Fabio Cruz Prieto
EDICIÓN	Inéditos
CIUDAD	Viña del Mar
AÑO	1993
COLECCIÓN	Oficio

De l'Observation

SOURCE	Notes de cours
TITRE ORIGINAL	Sobre la Observación
AUTEUR	Fabio Cruz Prieto
ÉDITION	Inéditos
VILLE	Viña del Mar
ANNÉE	1993
COLLECTION	Oficio



ENAC Summer Workshop , Drawing Research Platform, 2026 at Drawing Matter, London UK ,
photo: Jesper Authen

Thank you!