

NUMBERS/MATHEMATICS/ GEOMETRY AS
INSPIRATION OF FORM

Fibonacci



Fabrizio Lanza

IL

LIBER ABBACI

DI

NO **LEONARDO PISANO**

PUBBLICATO

SECONDO LA LEZIONE DEL CODICE MAGLIABECHIANO
C. I, 2616, *Badia Fiorentina*, n.° 73.

DA

BALDASSARRE BONCOMPAGNI

SOCIO ORDINARIO DELL'ACCADEMIA PONTIFICIA DE' NUOVI LINCEI, E SOCIO
CORRISPONDENTE DELL'ACCADEMIA REALE DELLE SCIENZE DI TORINO,
DELLA REALE ACCADEMIA DELLE SCIENZE DI NAPOLI,
E DELLA PONTIFICIA ACCADEMIA DELLE SCIENZE
DELL'ISTITUTO DI BOLOGNA

ROMA •

TIPOGRAFIA DELLE SCIENZE MATEMATICHE E FISICHE
VIA LATA NUM.° 211
MDCCCLVII.

Liber Abaci

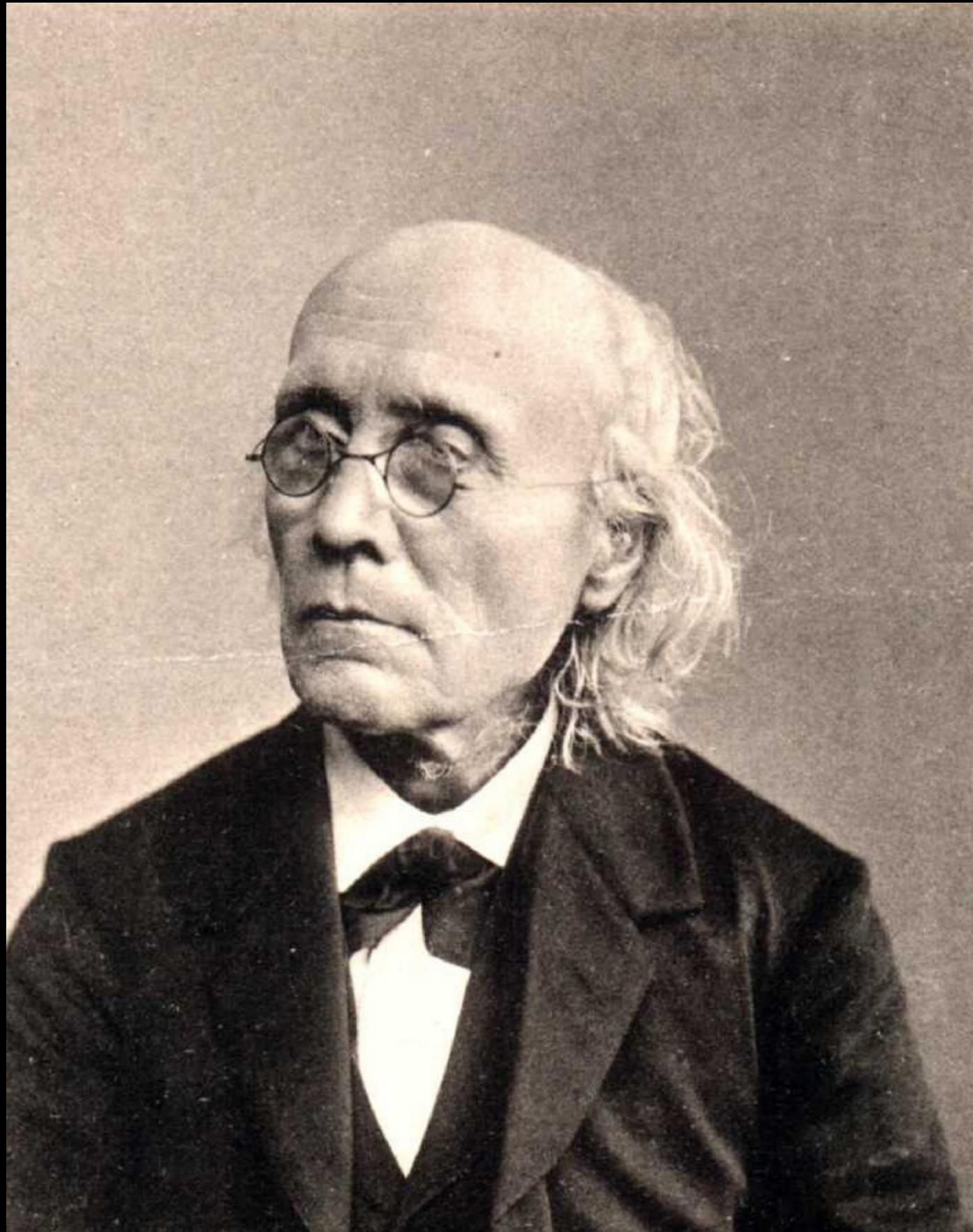
1, 2, 3, 5, 8, 13, 21, 34, 55, 89, 144, 233...

$$a/b = b/a + b$$

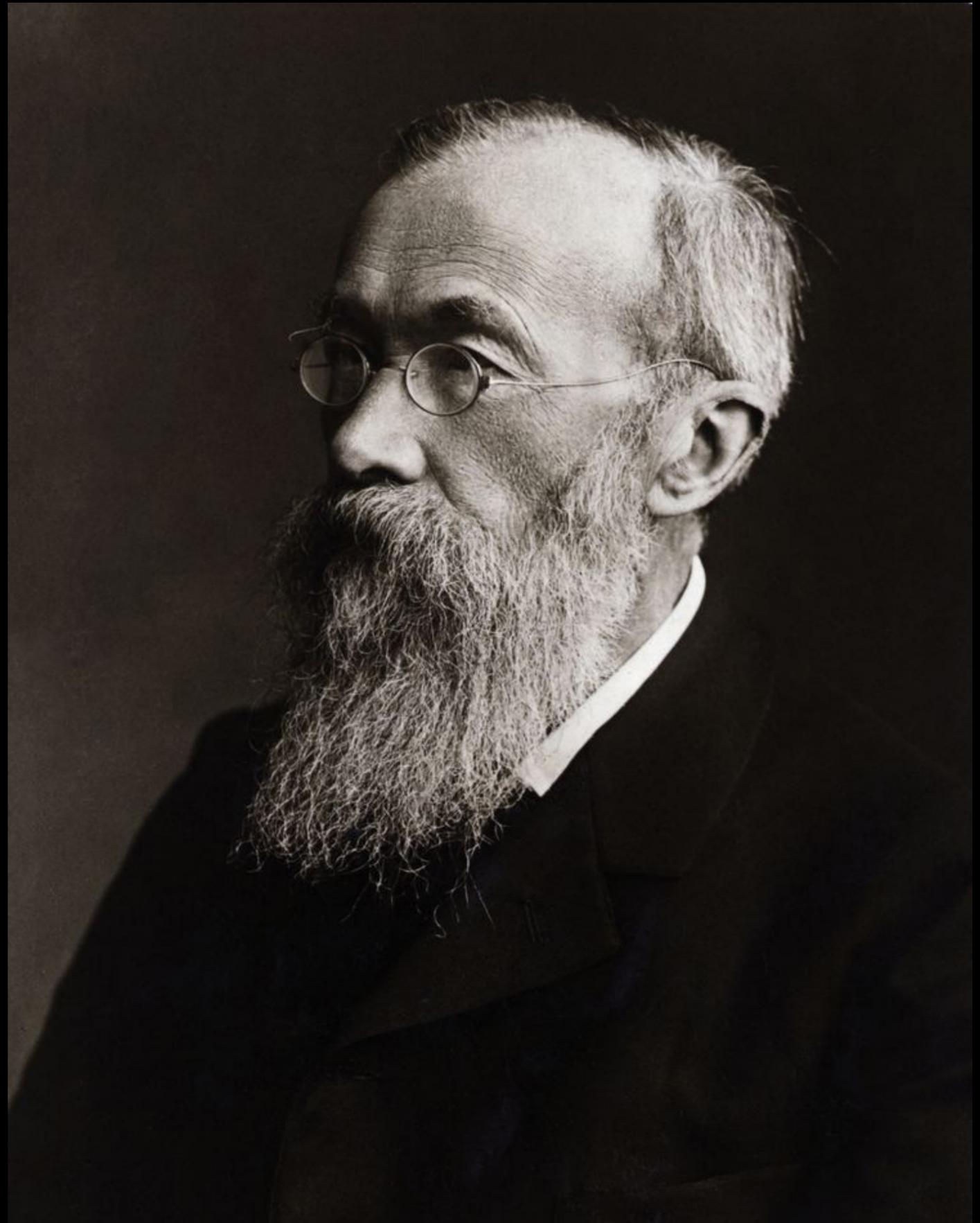
Beethoven, Debussy, Mozart, Bartok --
proportions in music.

Pythagorus, Euclid, Kepler -- proportions
in science.

Michelangelo, Durer, Seurat -- proportions
in art.

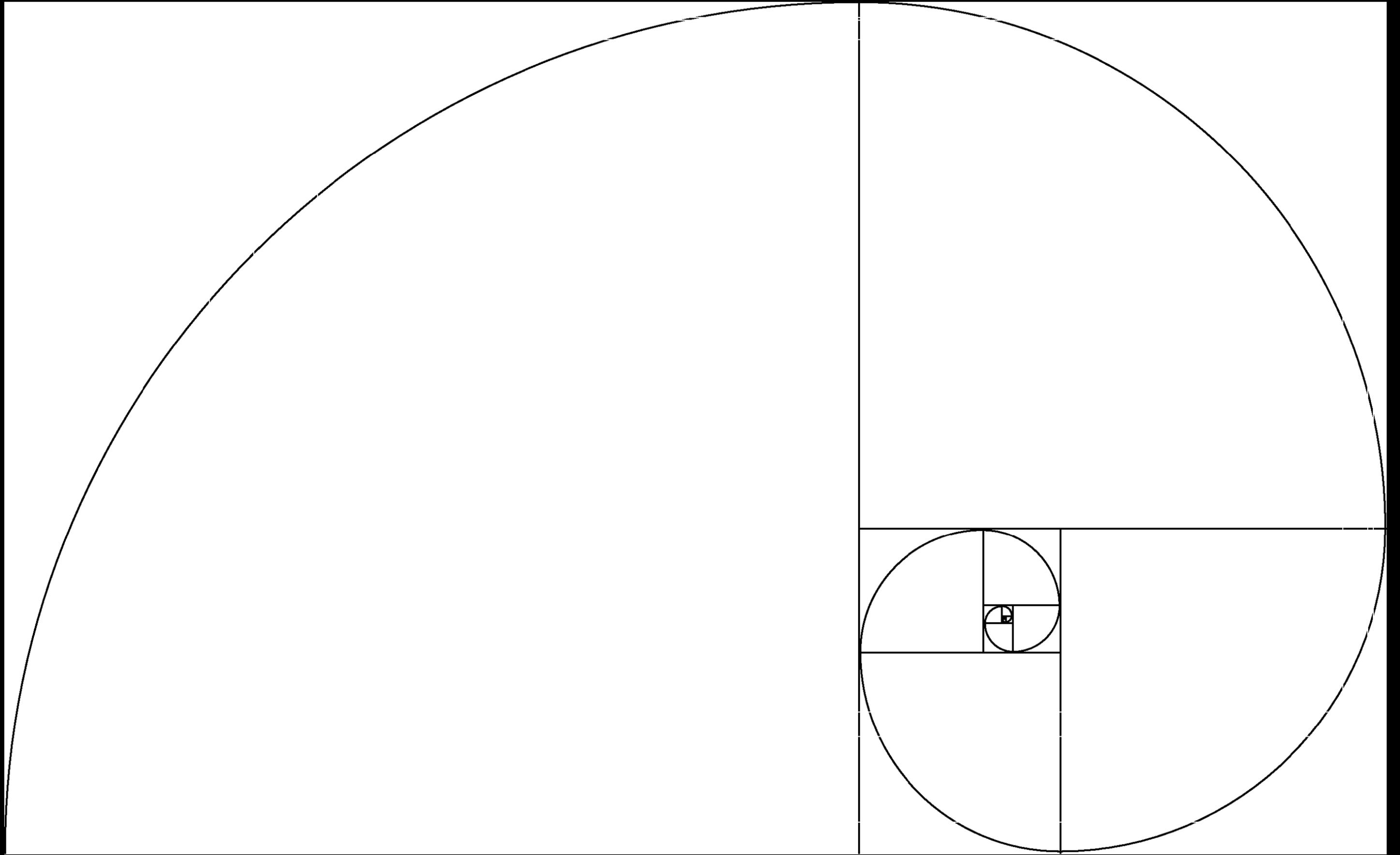


Gustav Fechner



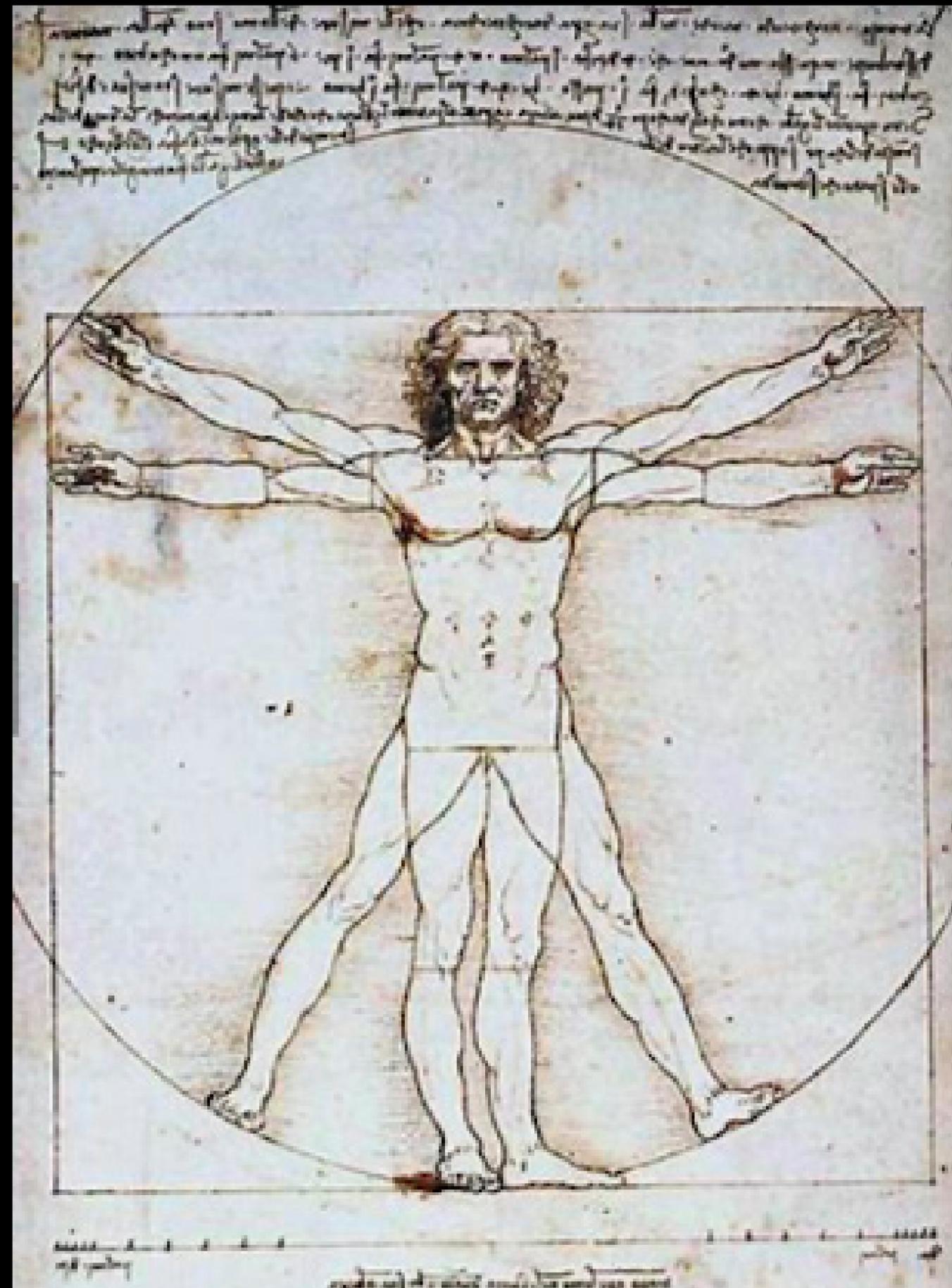
Wilhelm Wundt

5 miles = 8 km, 21 miles = 34 km,
55 miles = 89 km

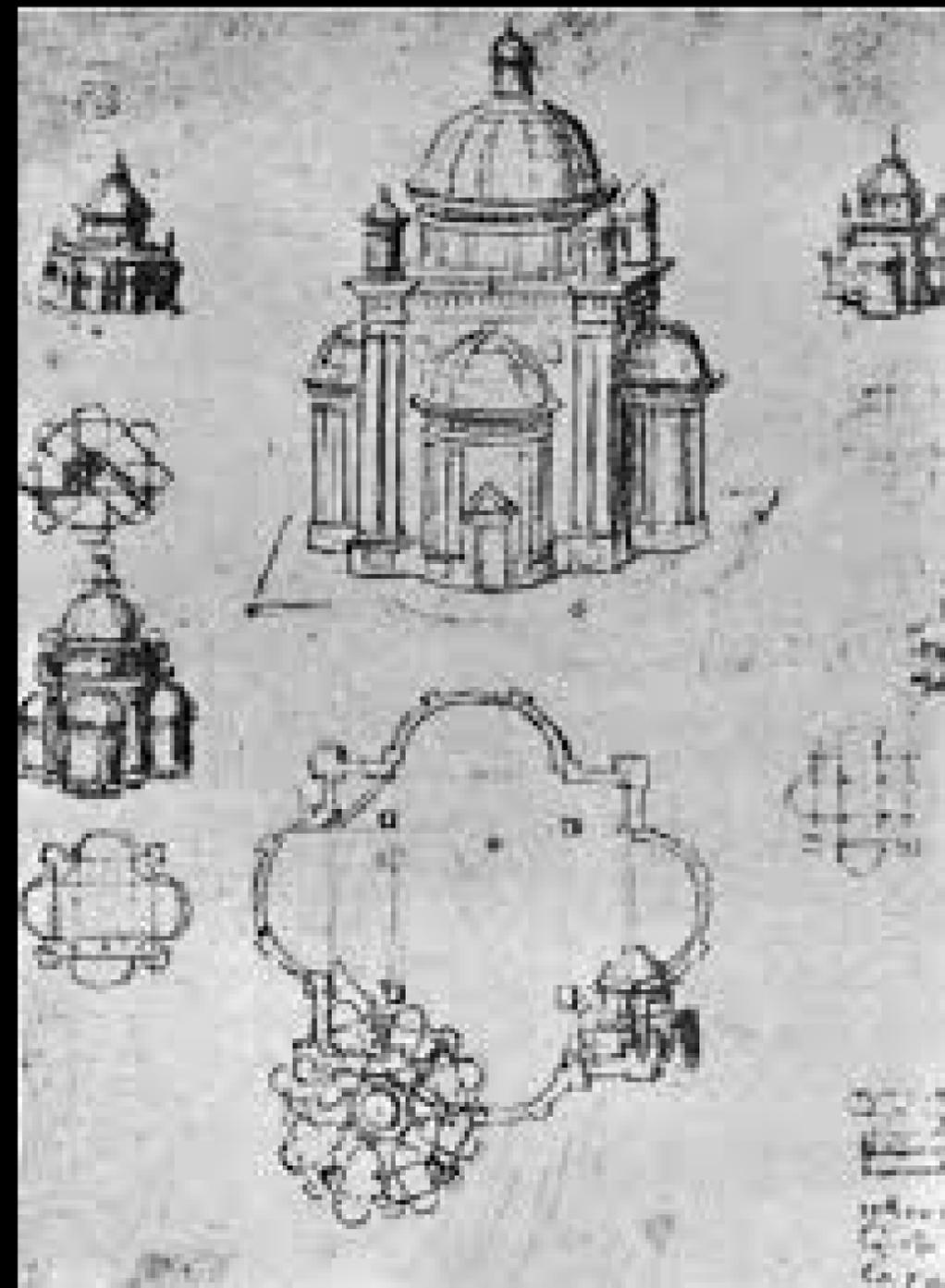
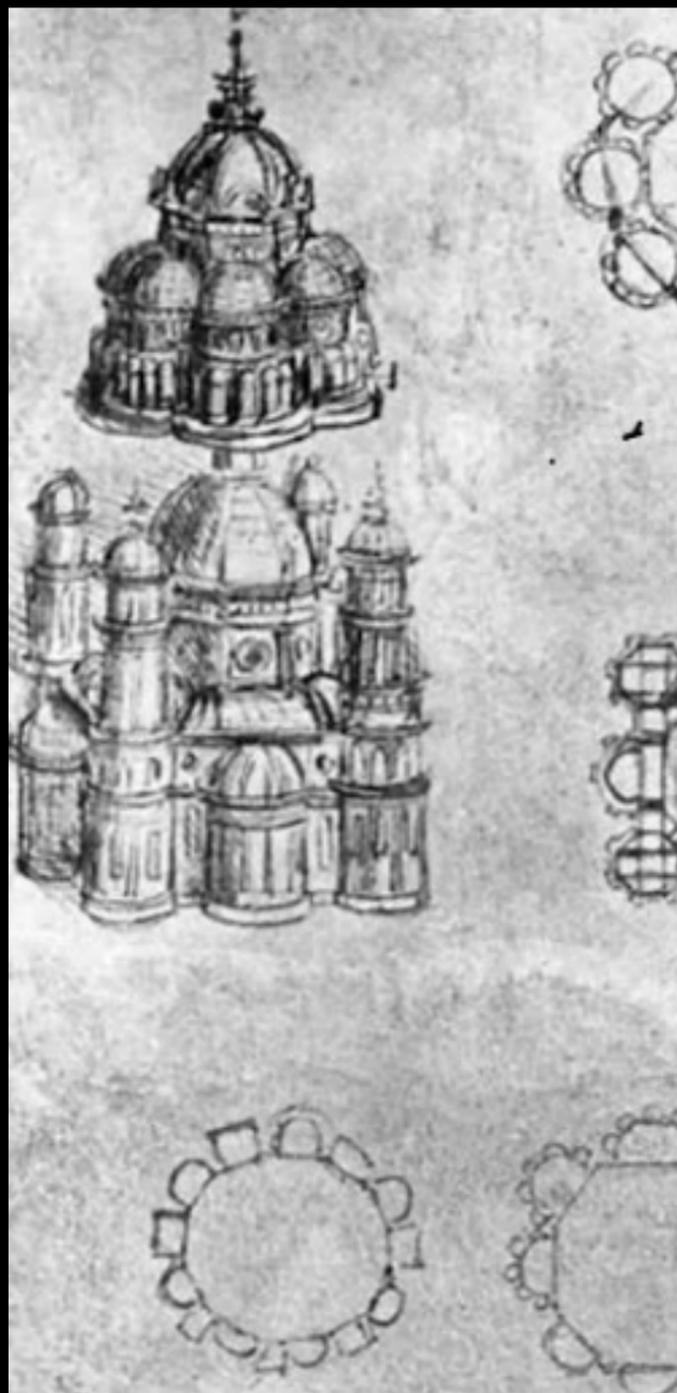


Golden Spiral





Leonardo da Vinci The Vitruvian



Leonardo da Vinci Drawings of Buildings

Pyramids

Giza, Egypt

2650–2500 B.C.E.

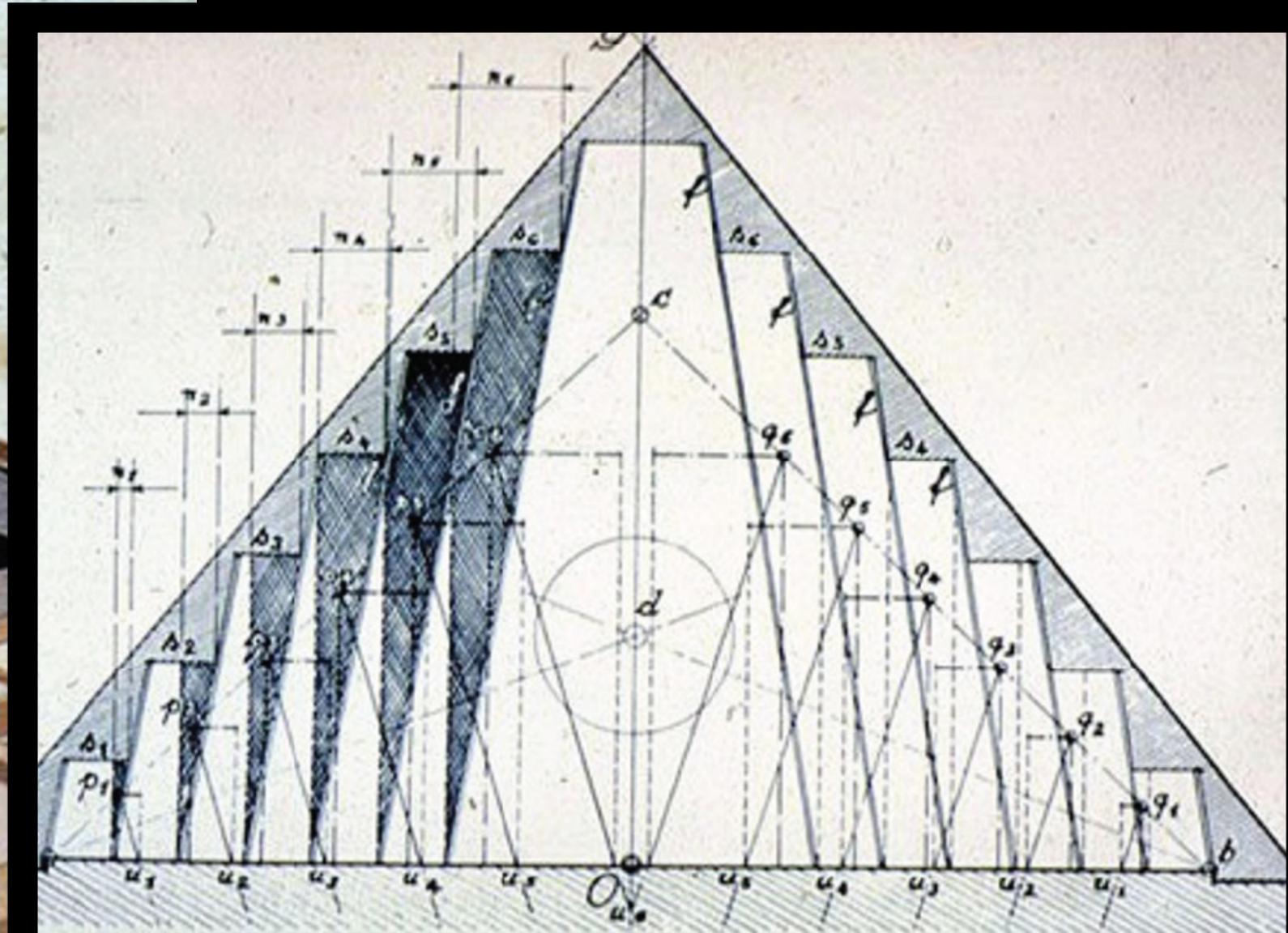
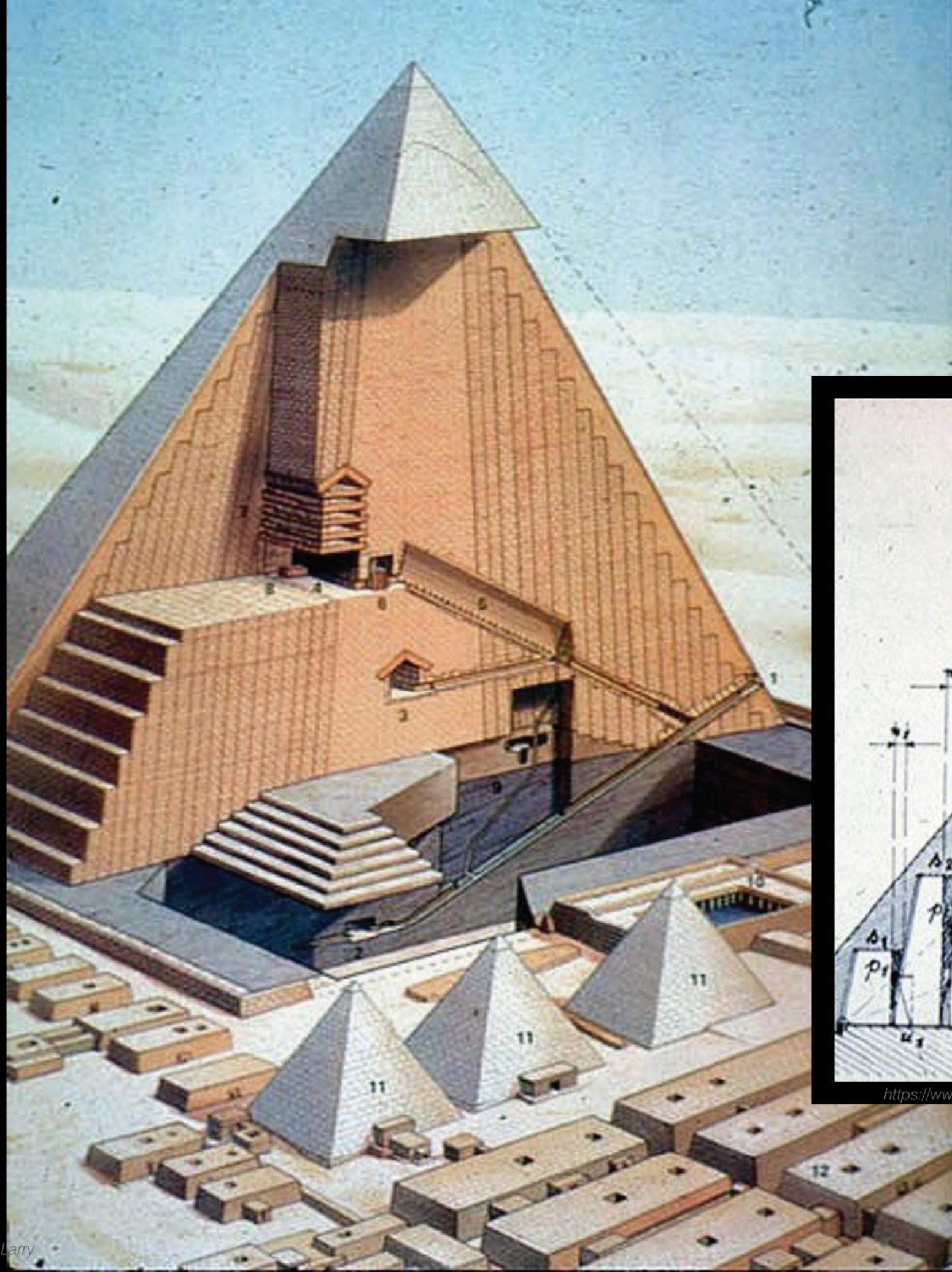


Larry



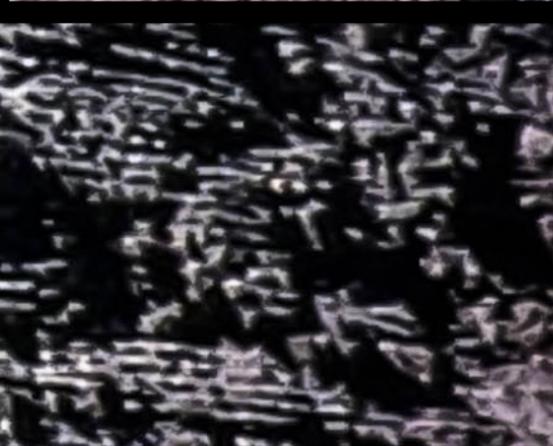
Larry





<https://www.pinterest.com/>



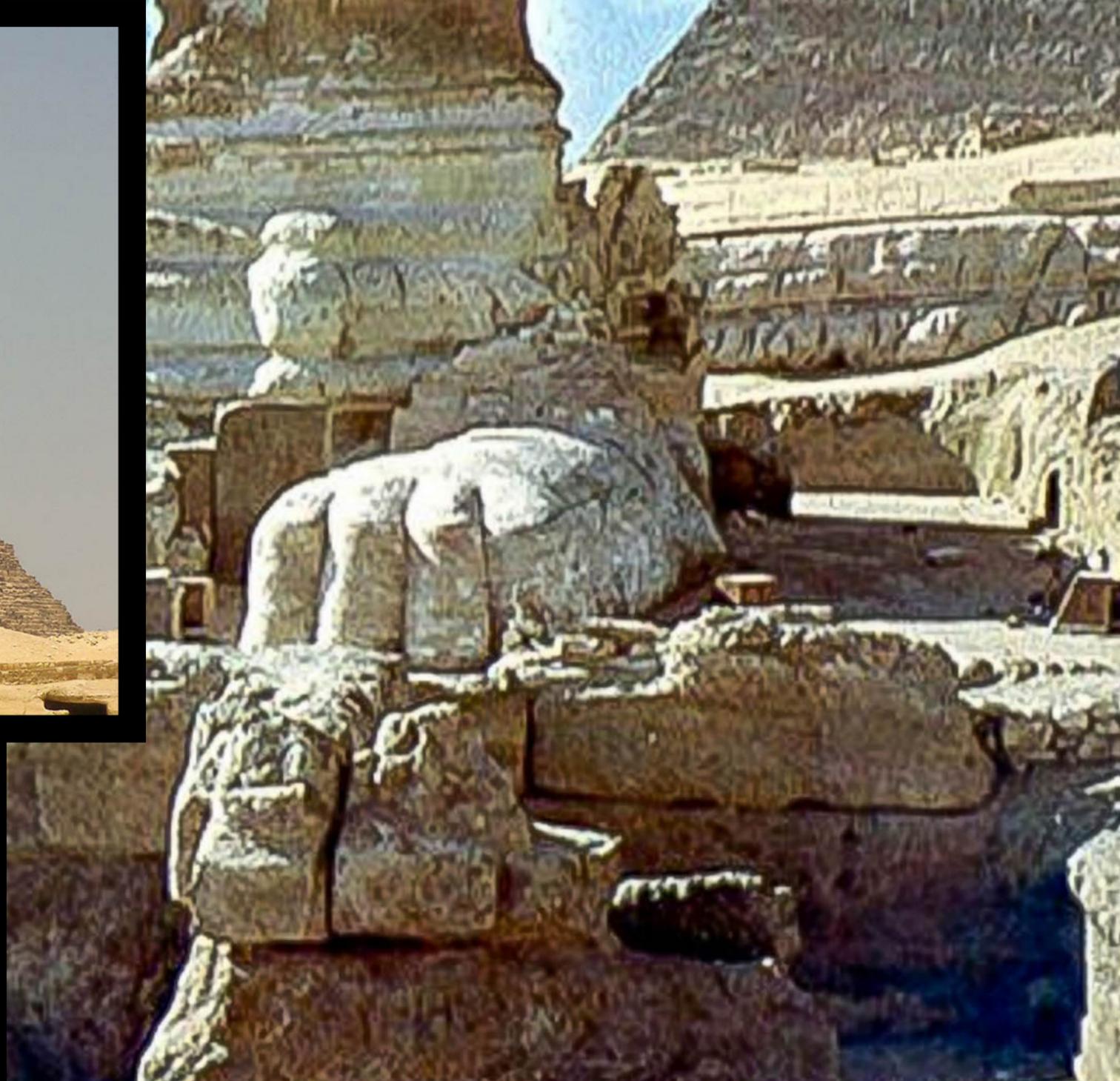




<https://www.pinterest.com/>



Larry





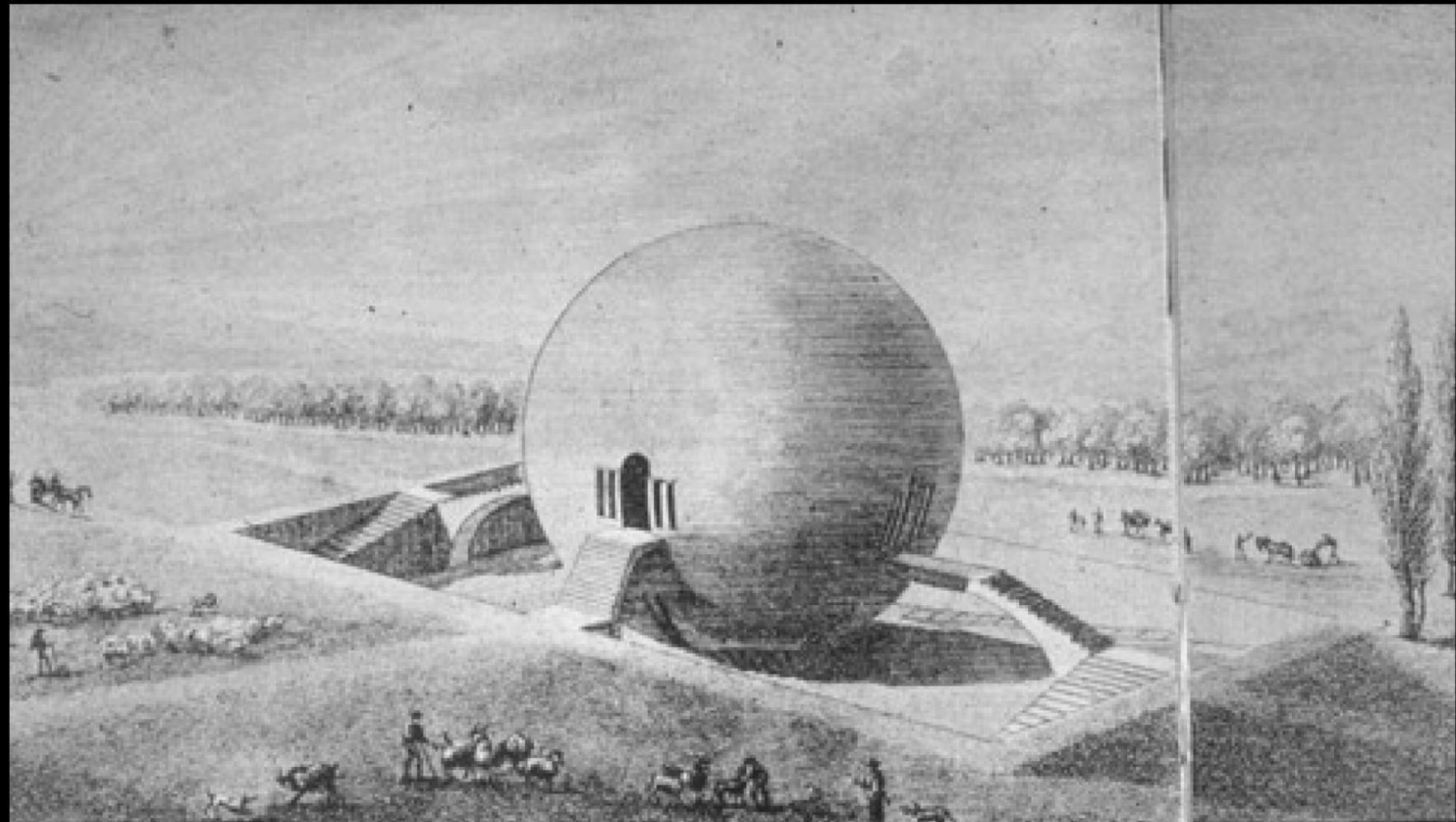
MYSTICISM

PRESTIGE

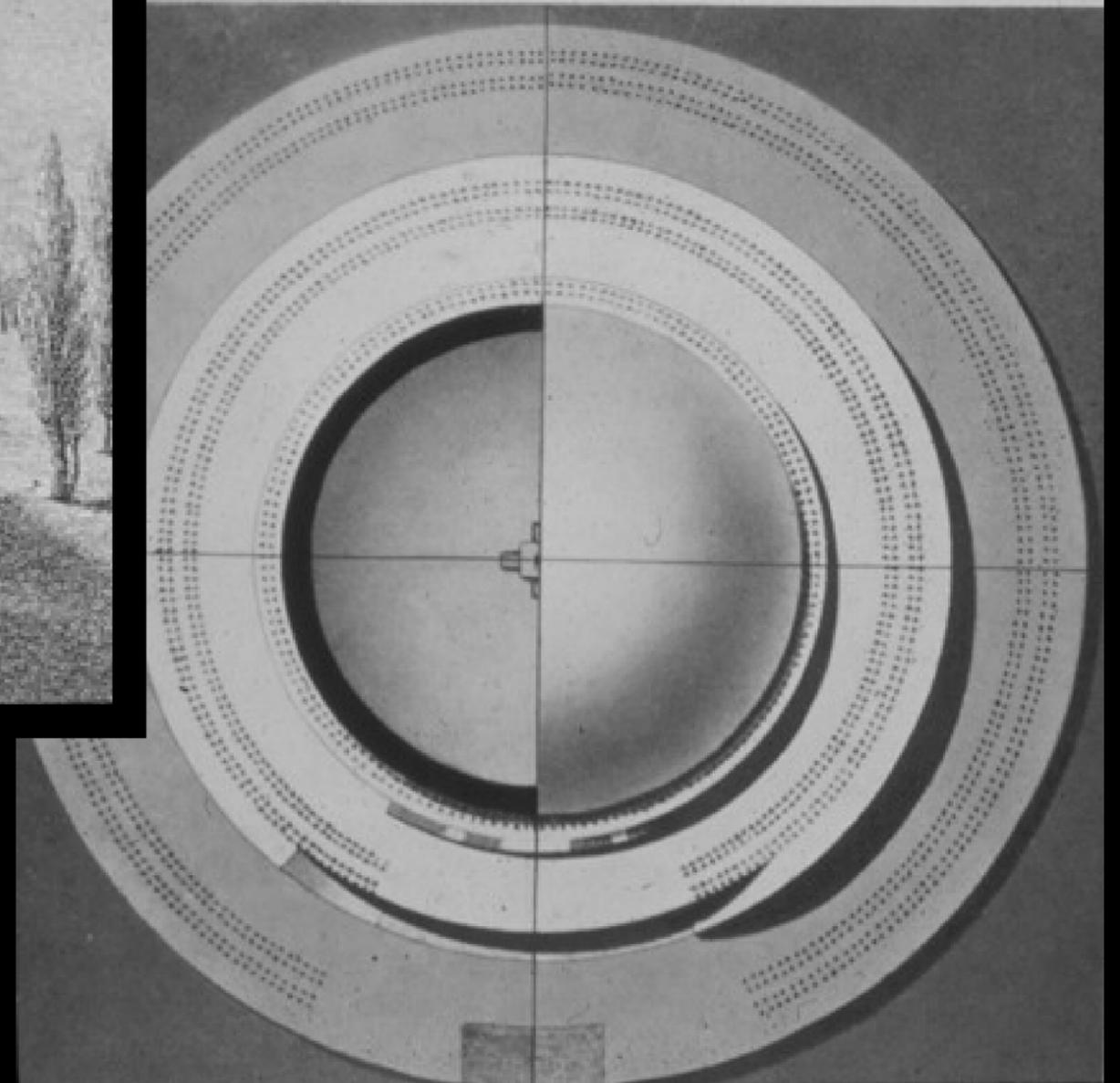
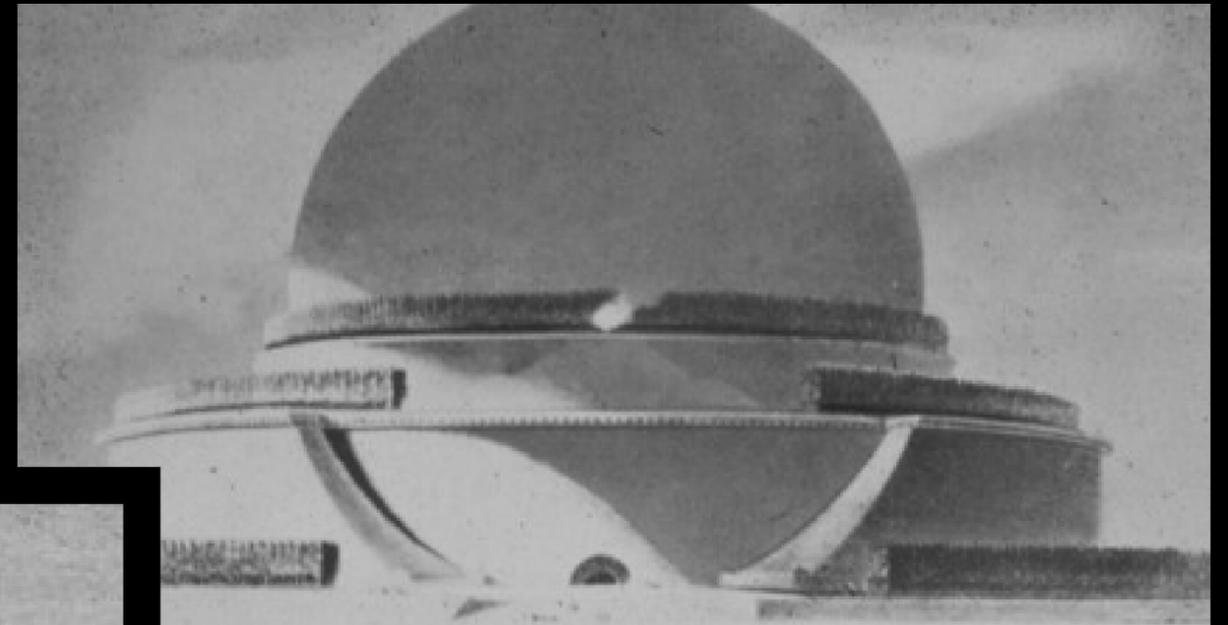
**MAKES STRUCTURAL
SENSE**

ICONIC

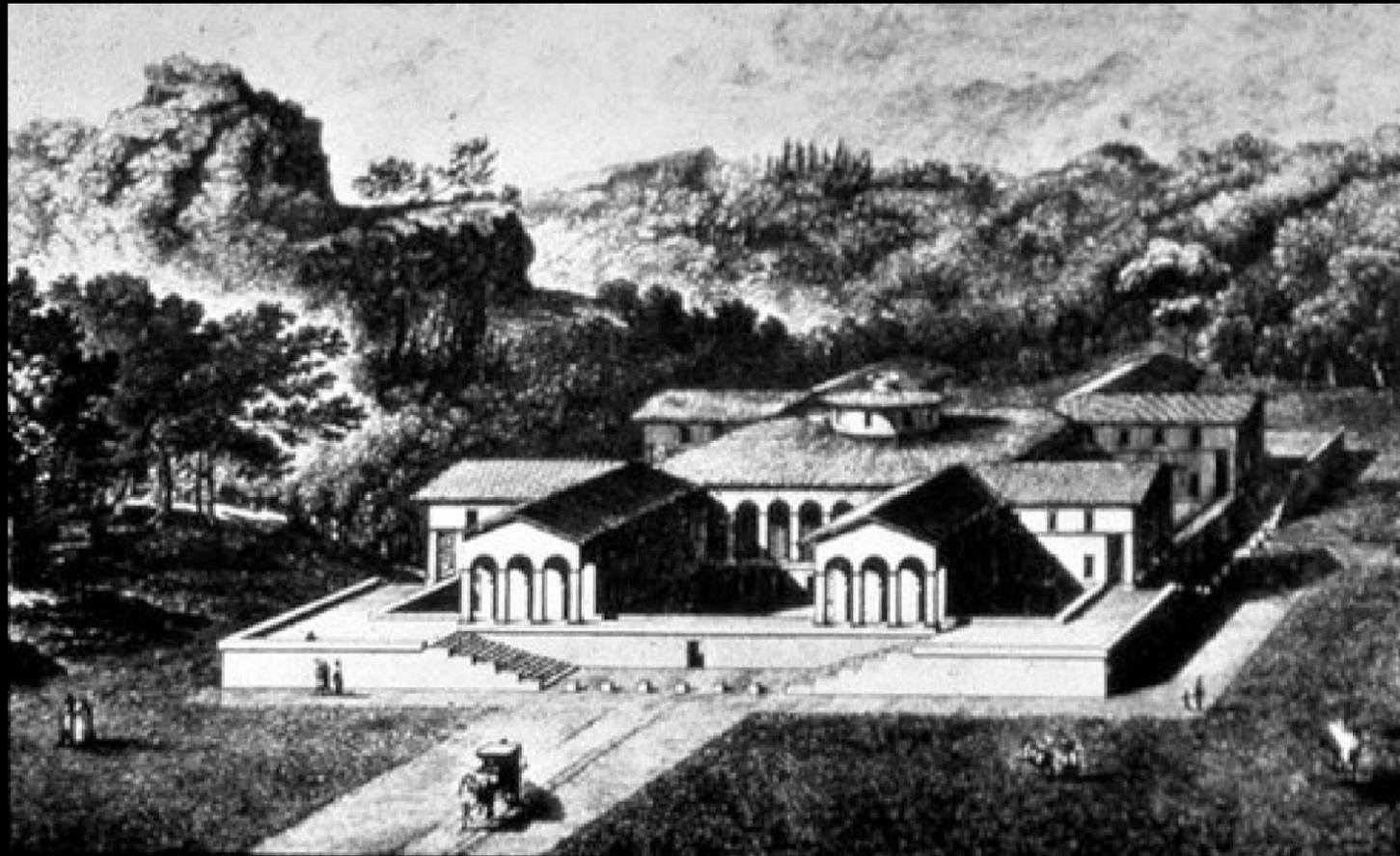
INTELLECTUAL PUZZLES



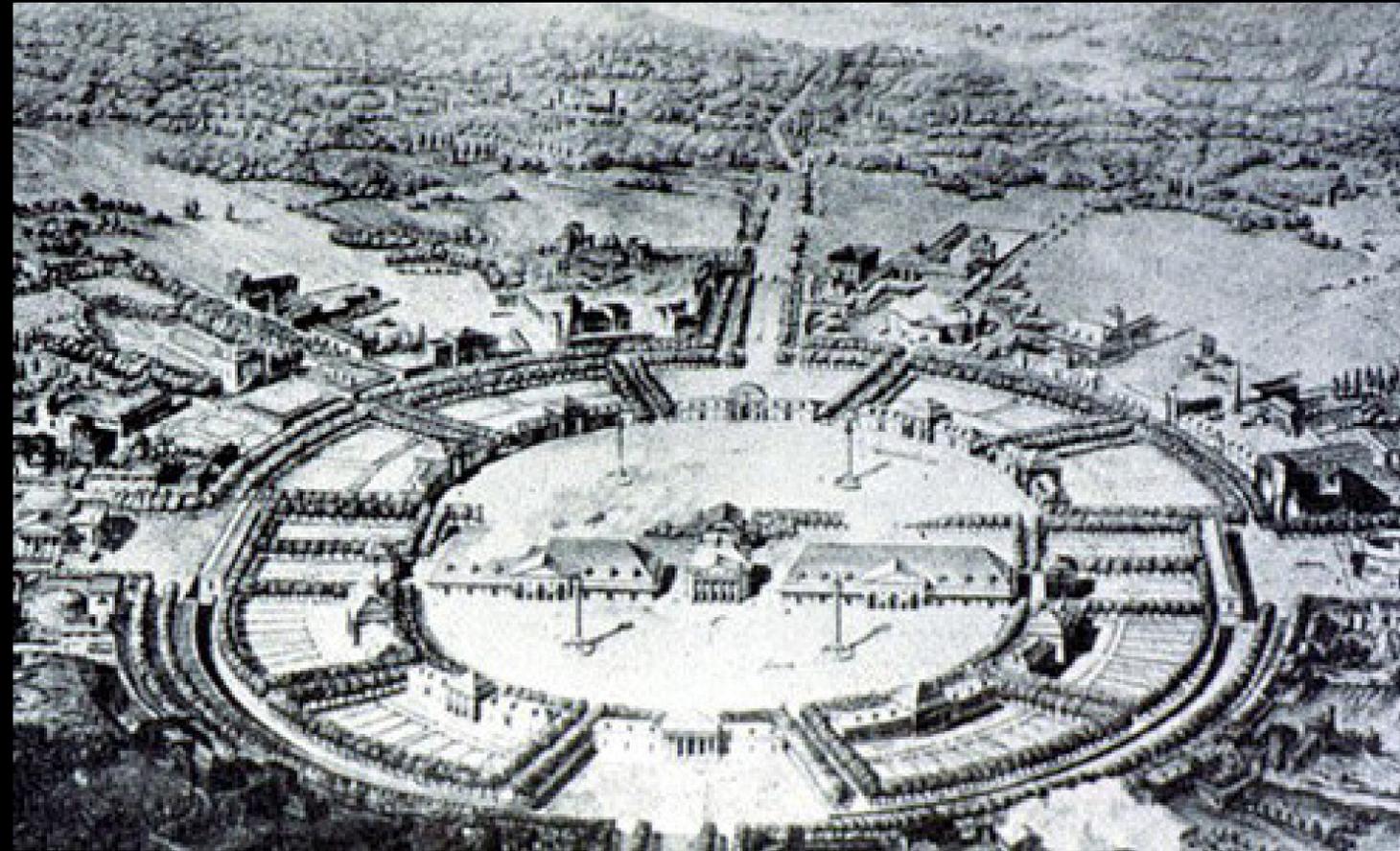
House - Claude Ledoux



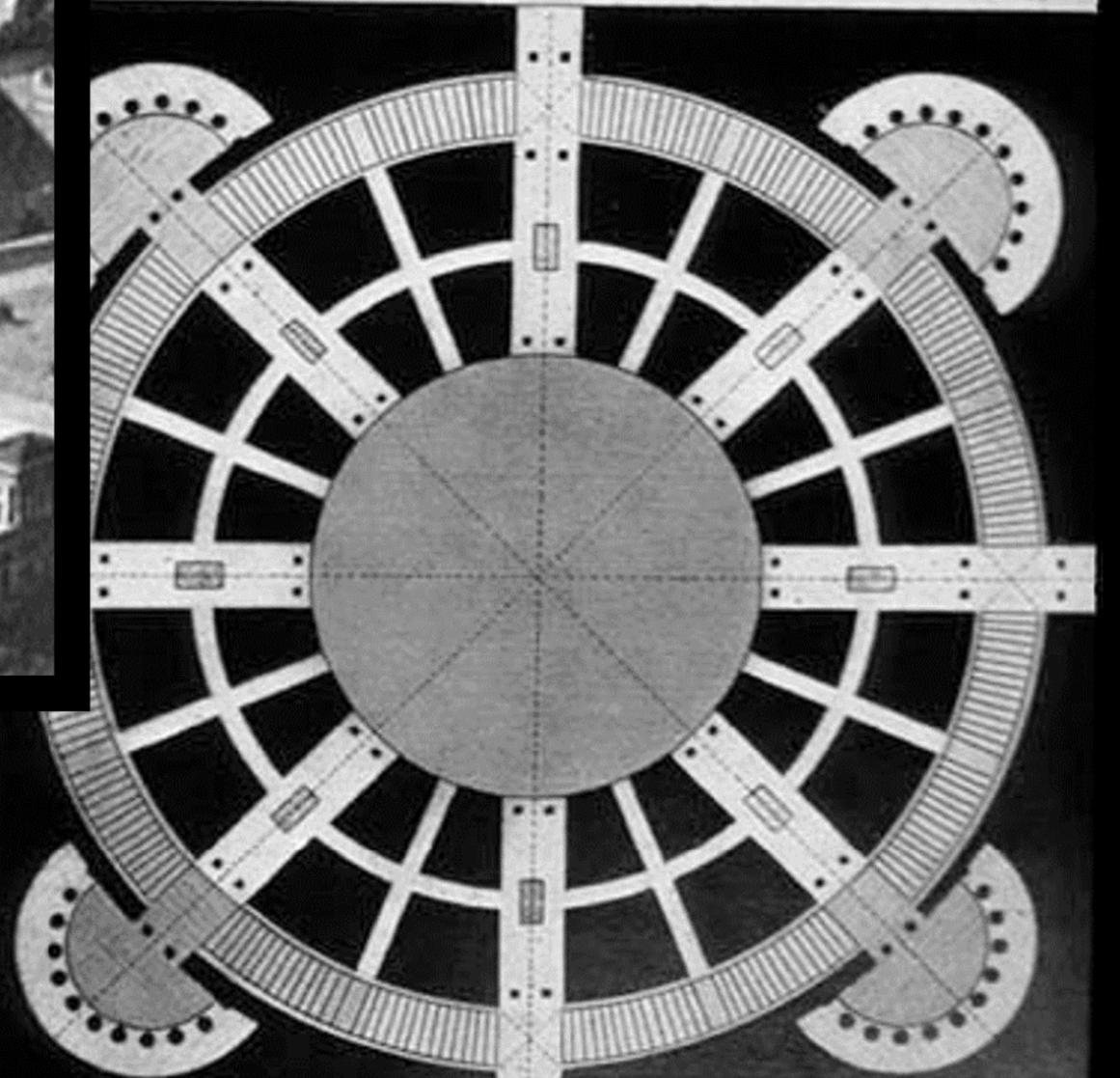
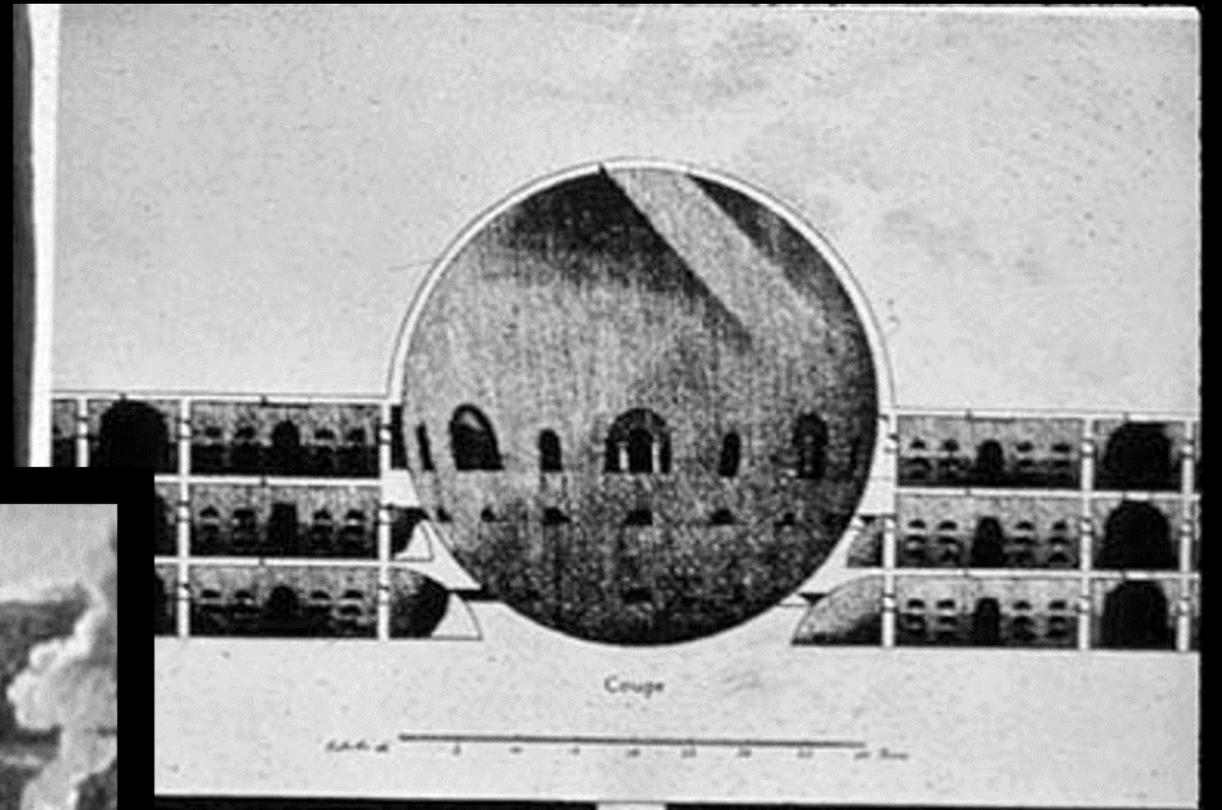
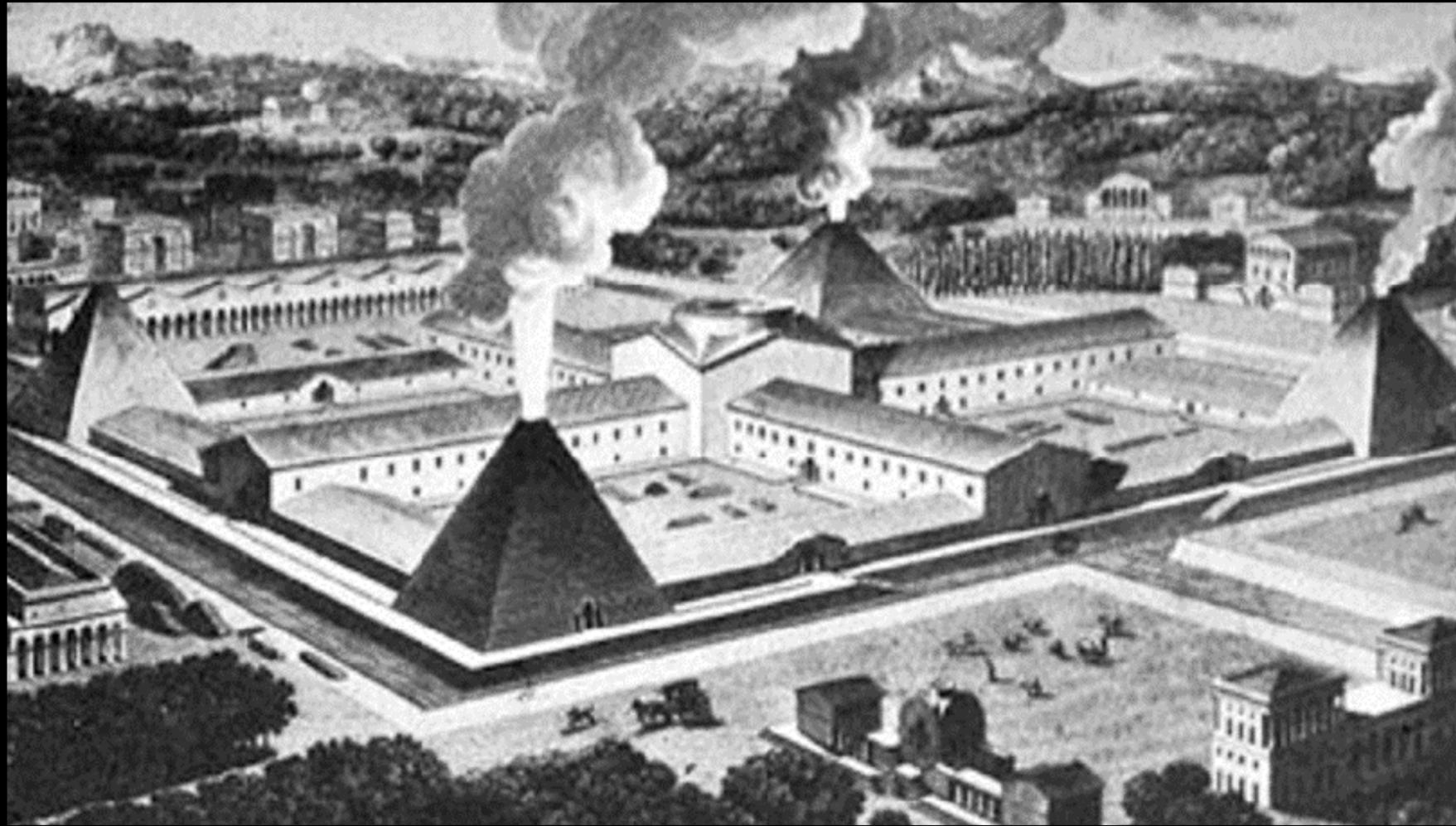
Newton's Cenotaph - Etienne Boullée - 1804

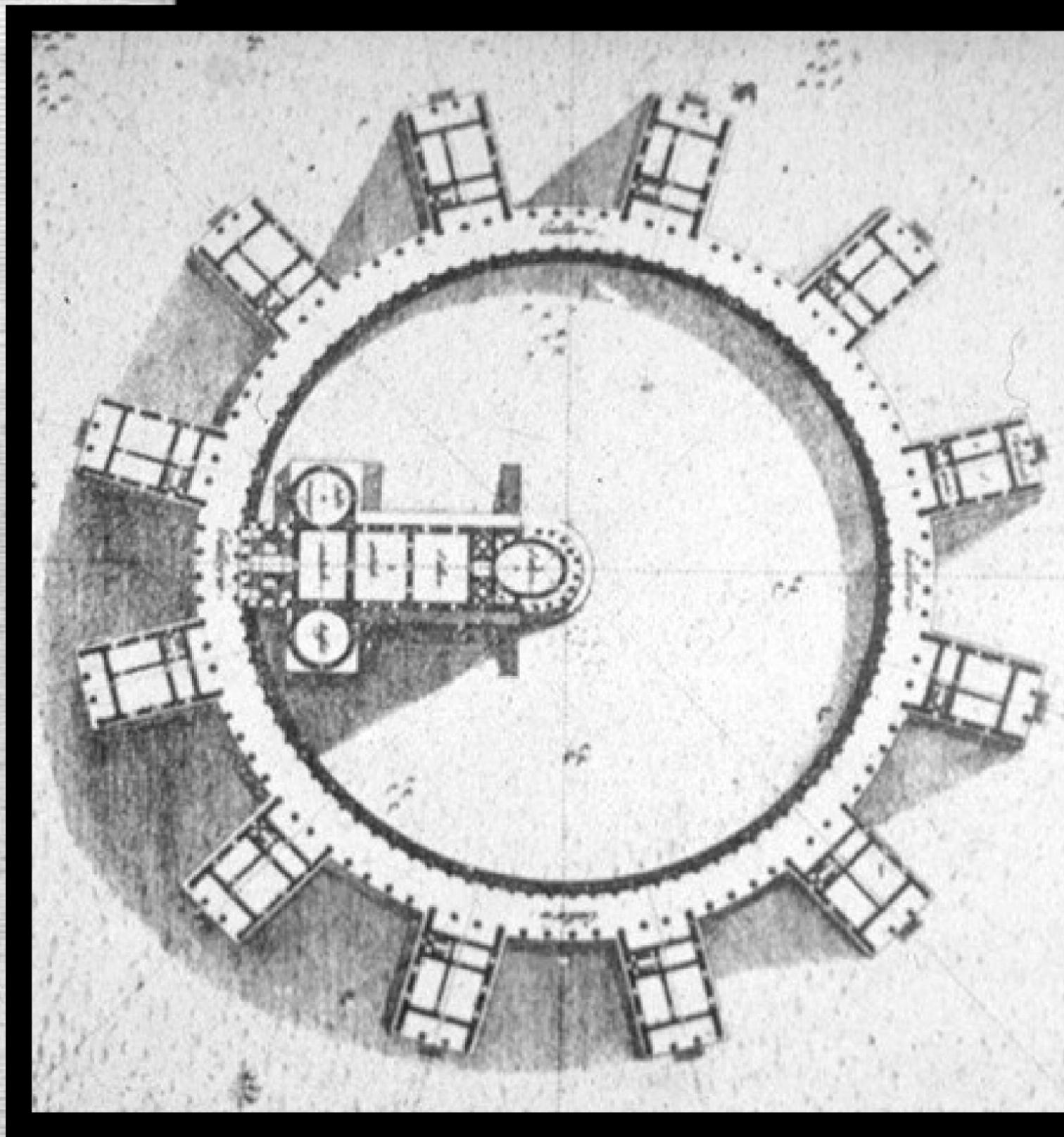
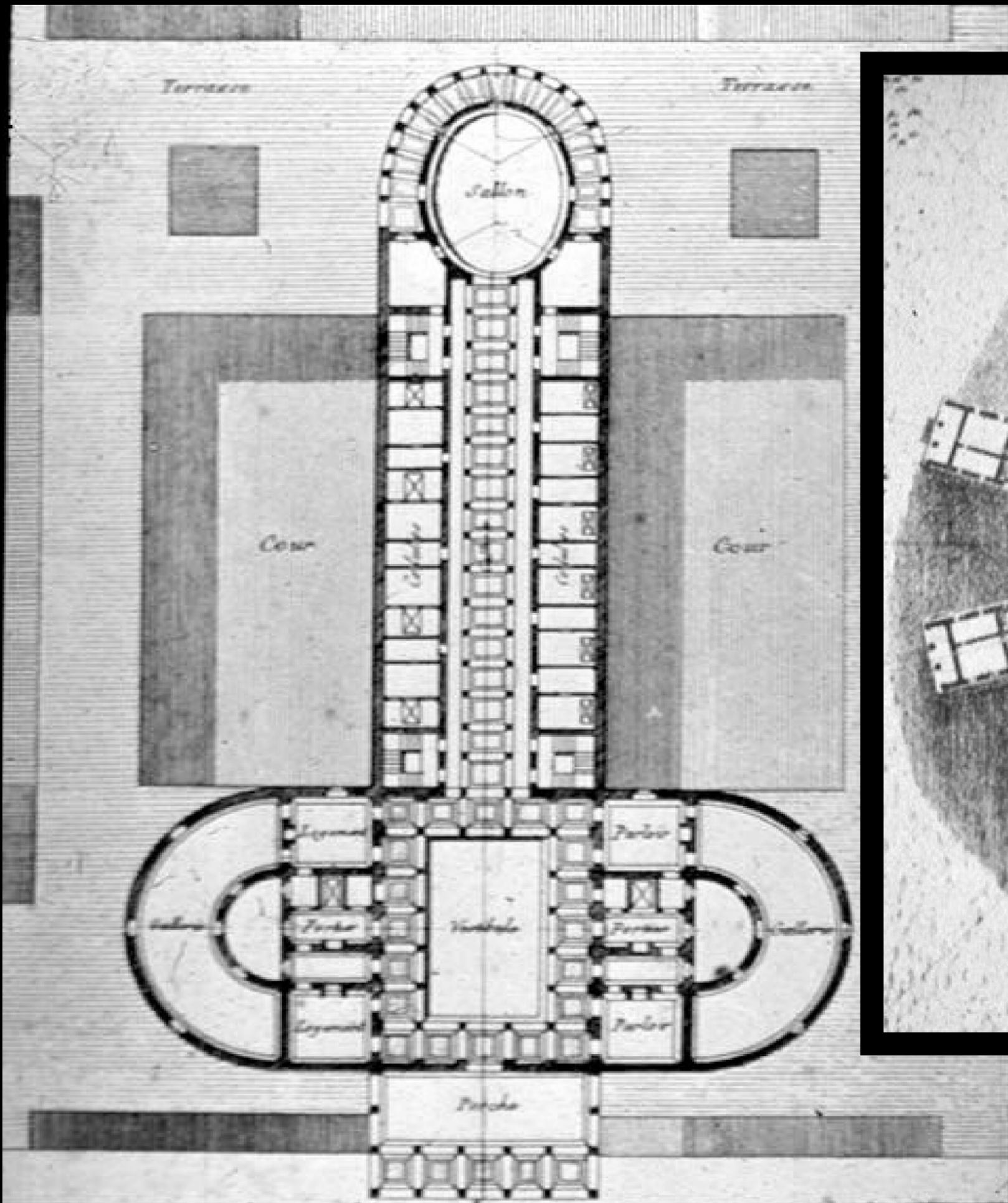


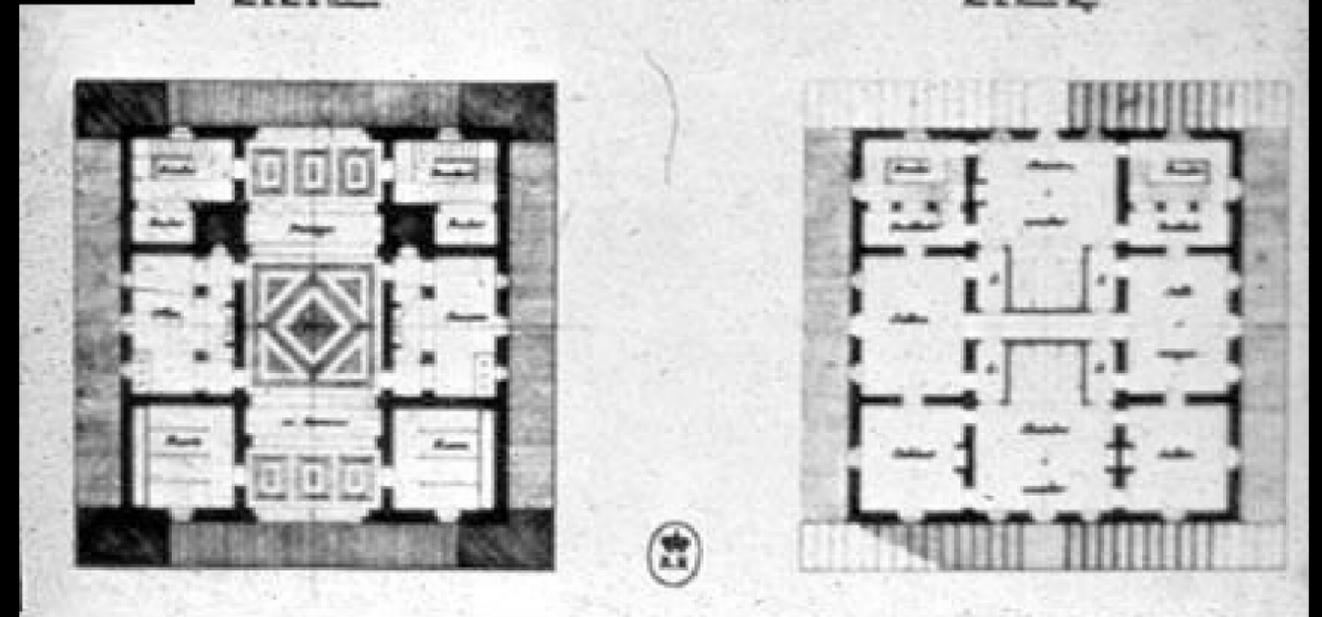
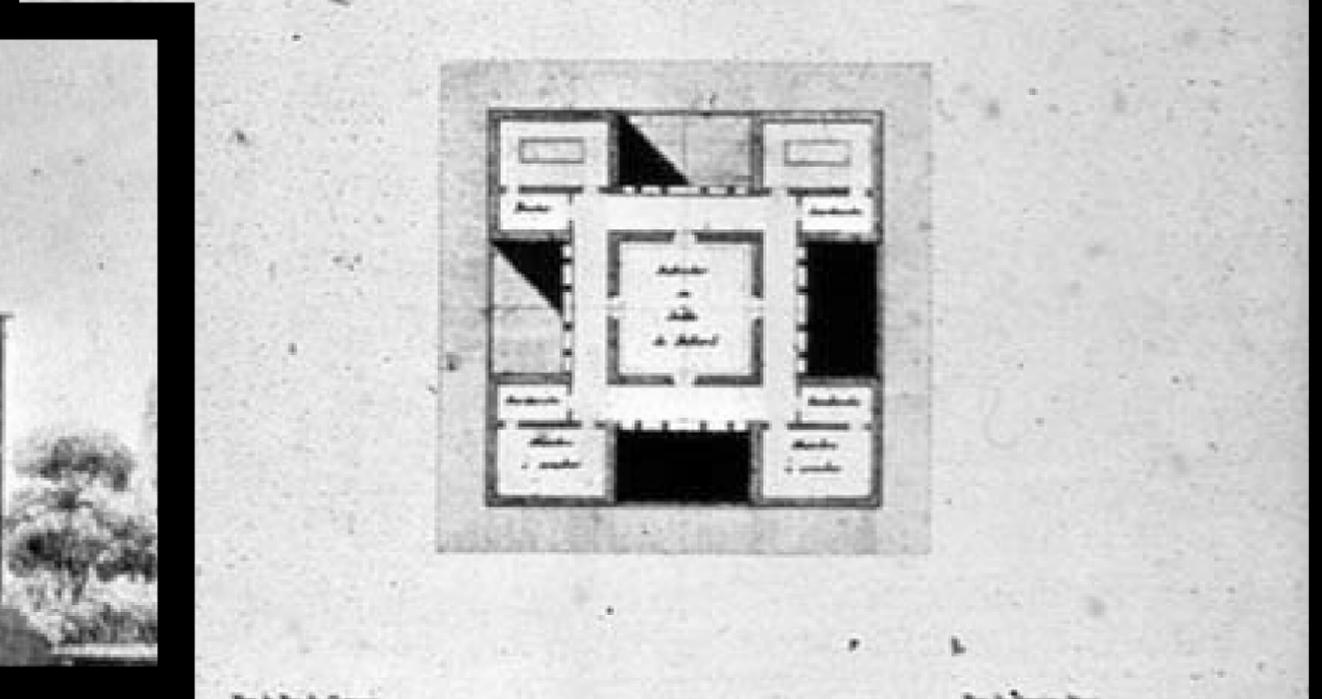
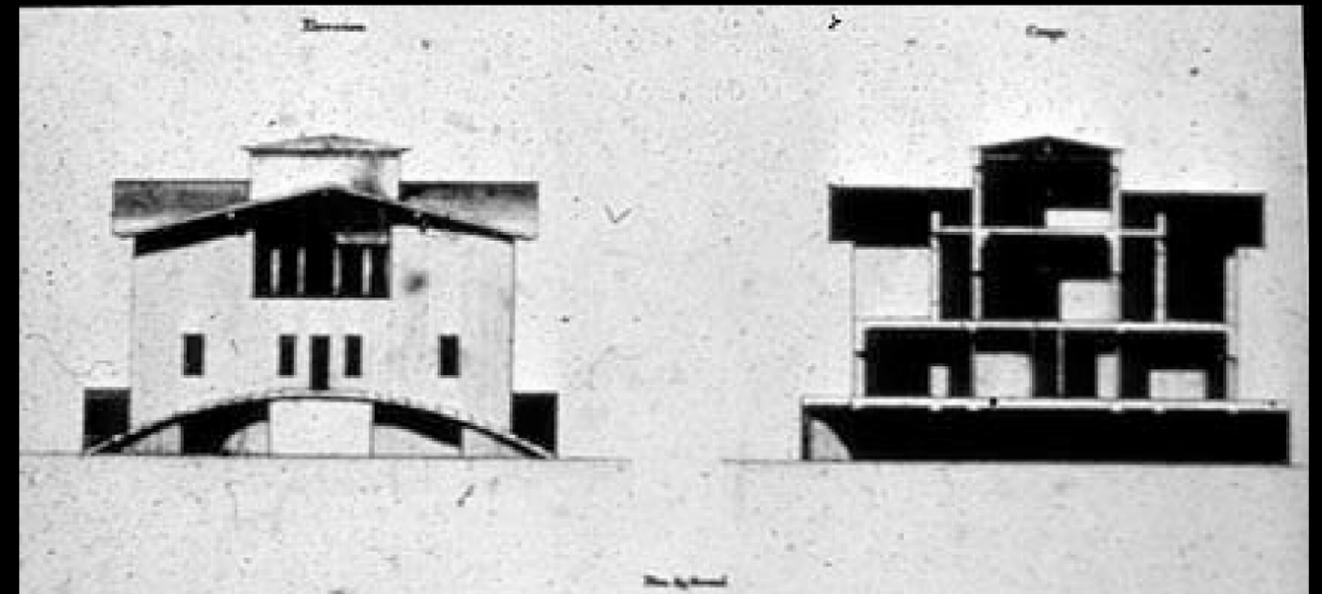
Designs for Chaux - Claude Ledoux 1804



Designs for Chaux - Claude Ledoux 1804







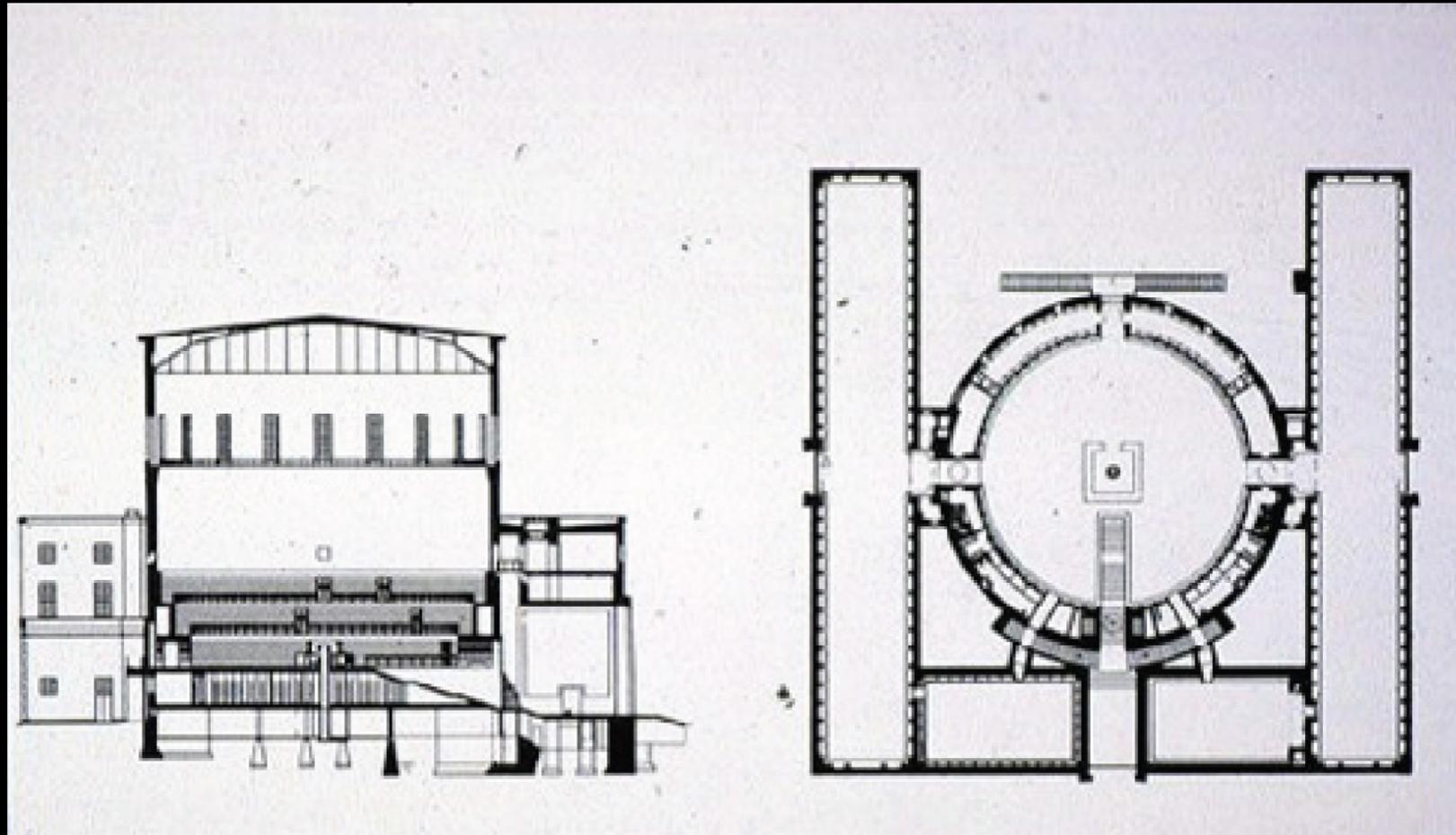
Stockholm Library

Stockholm, Sweden

Gunnar Asplund

1920–1928







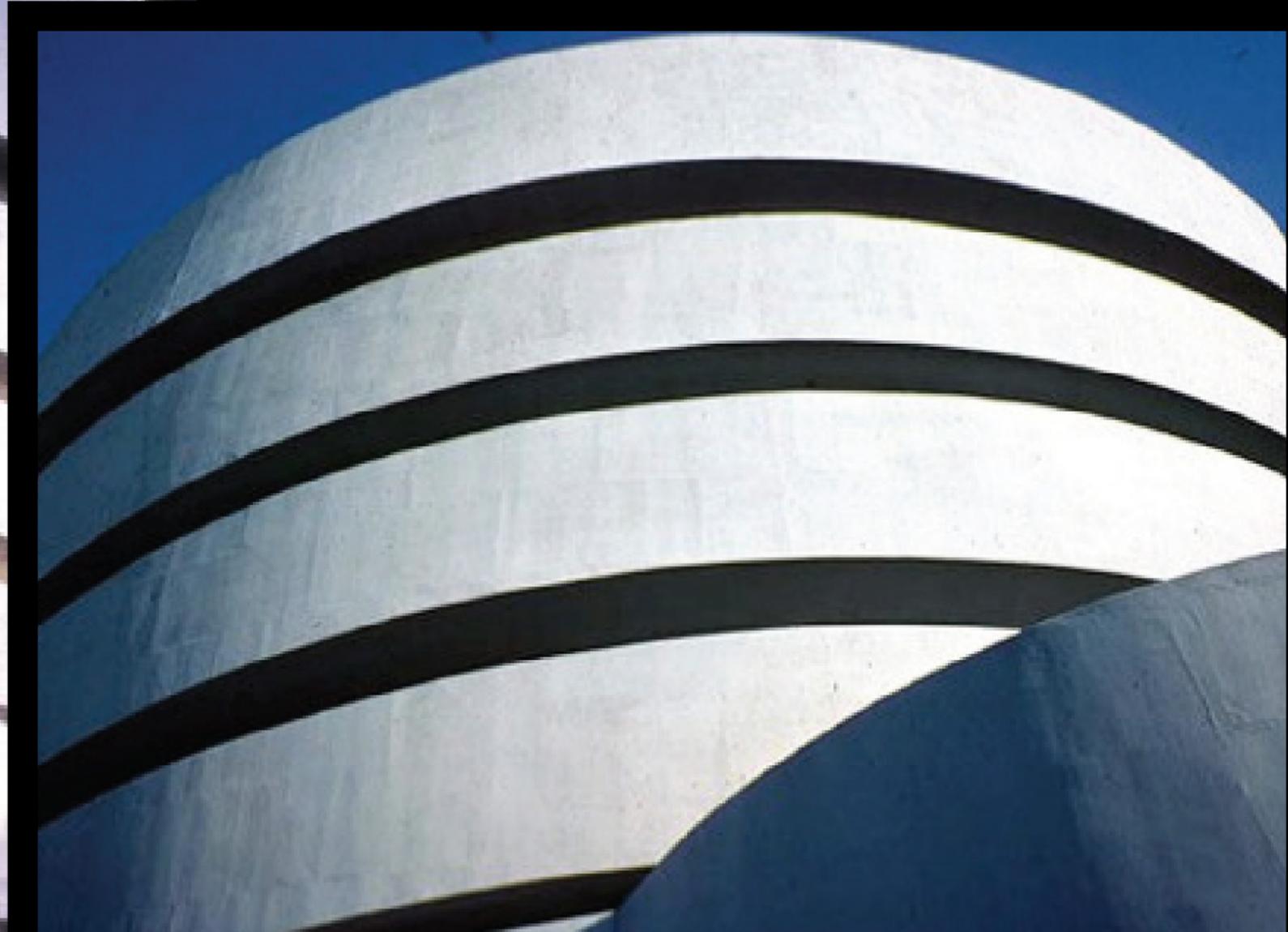
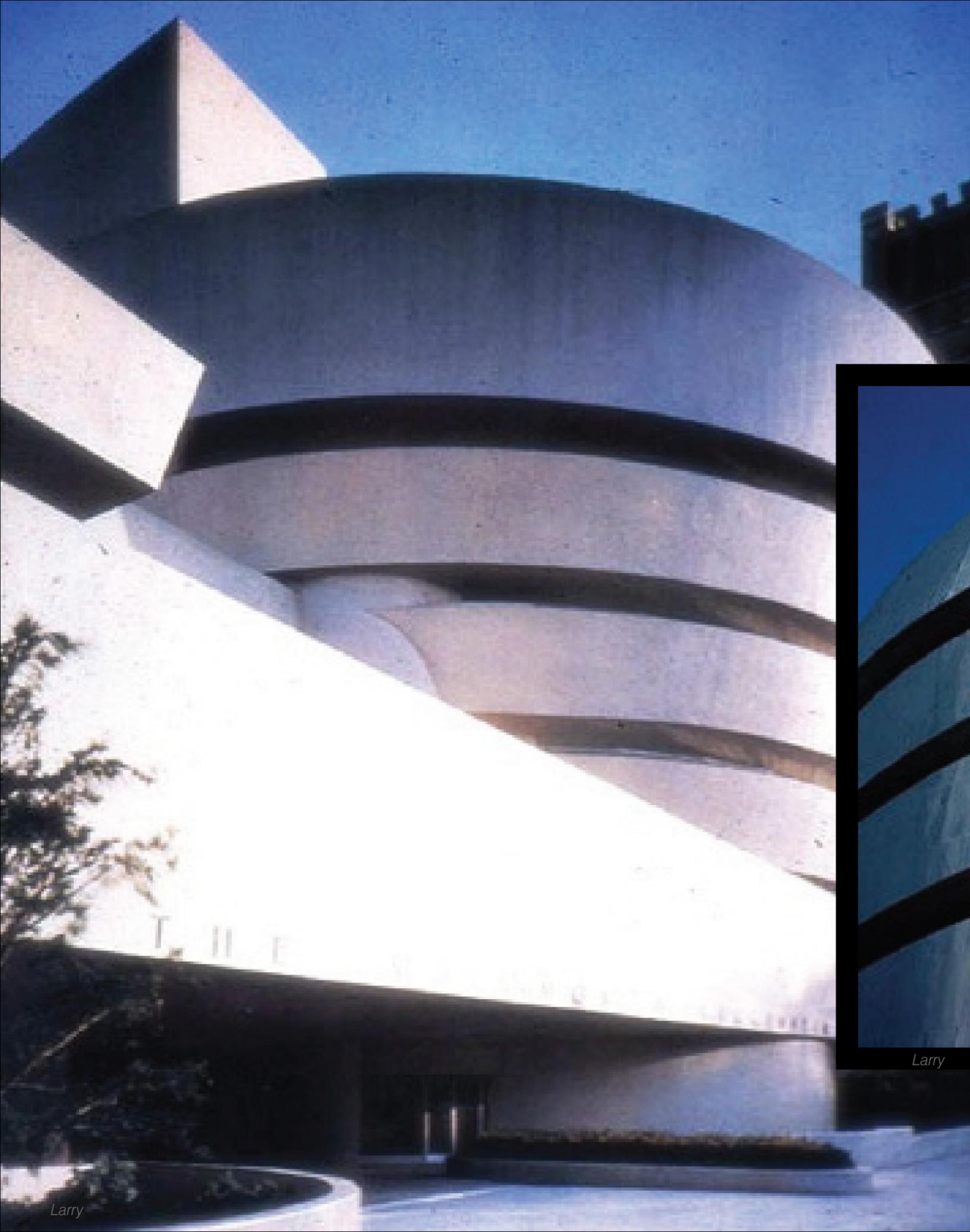
Guggenheim
Museum

New York,
New York

Frank Lloyd
Wright

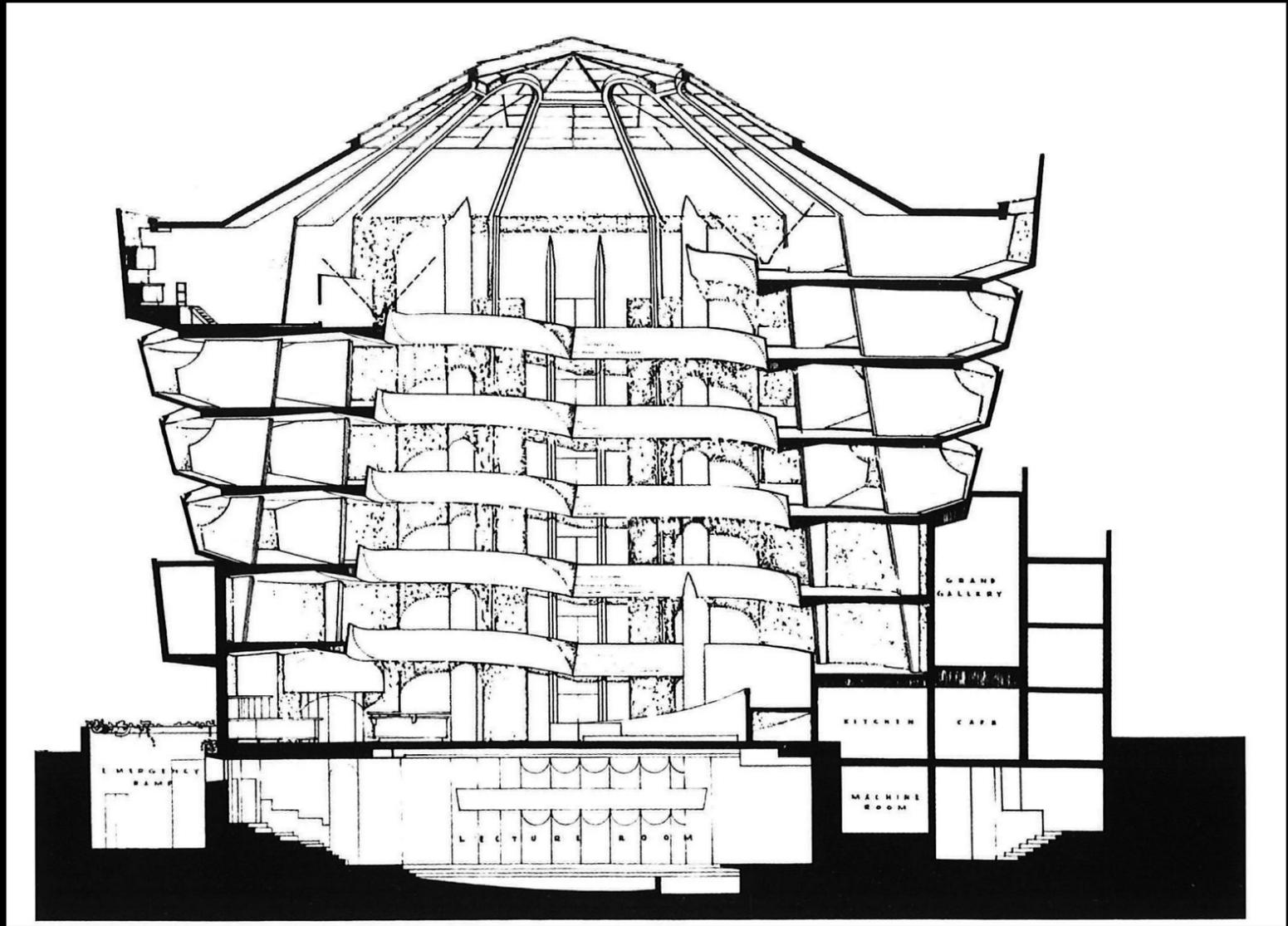
1956–1959





Larry

Larry



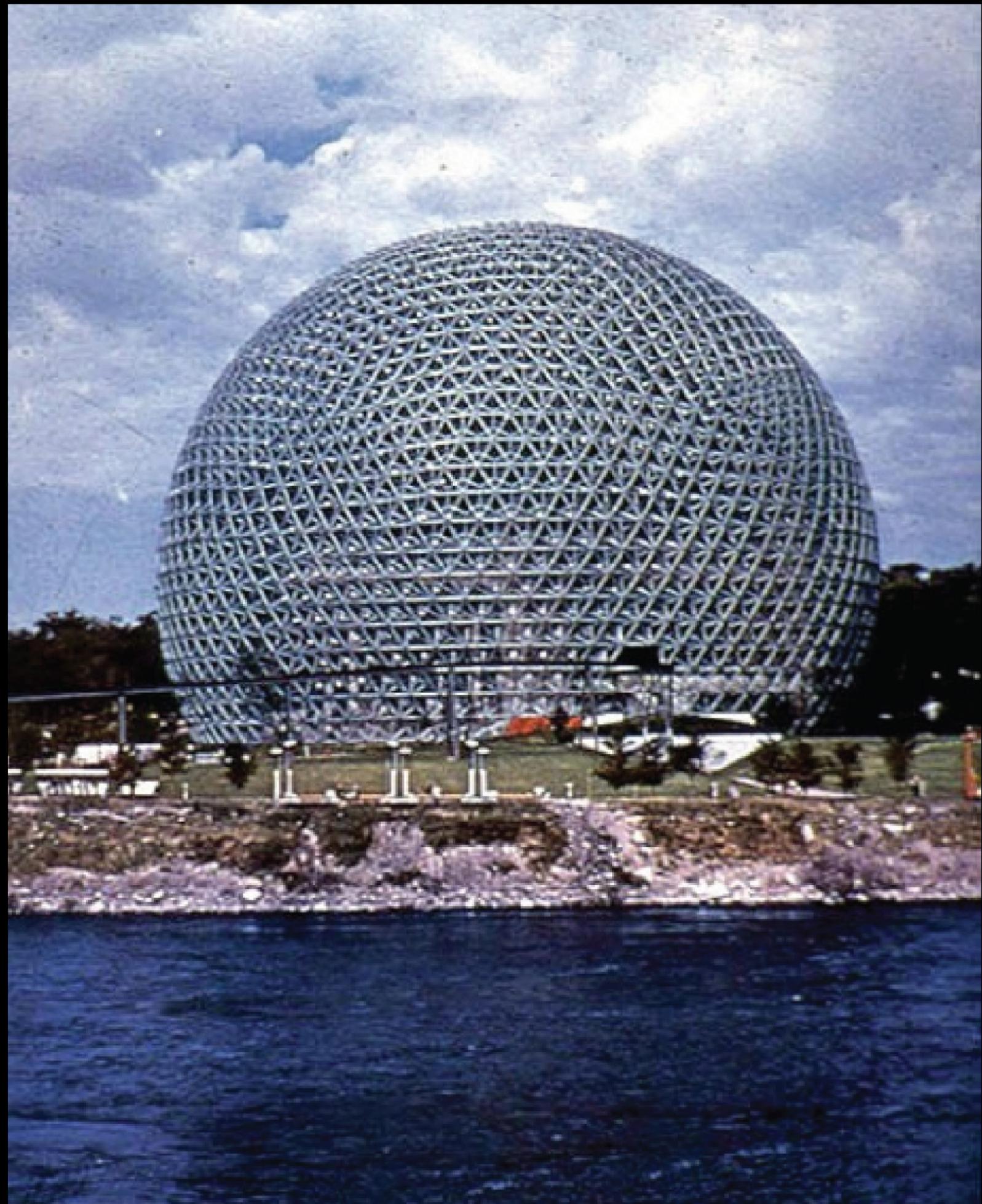
<https://www.tehne.com/>



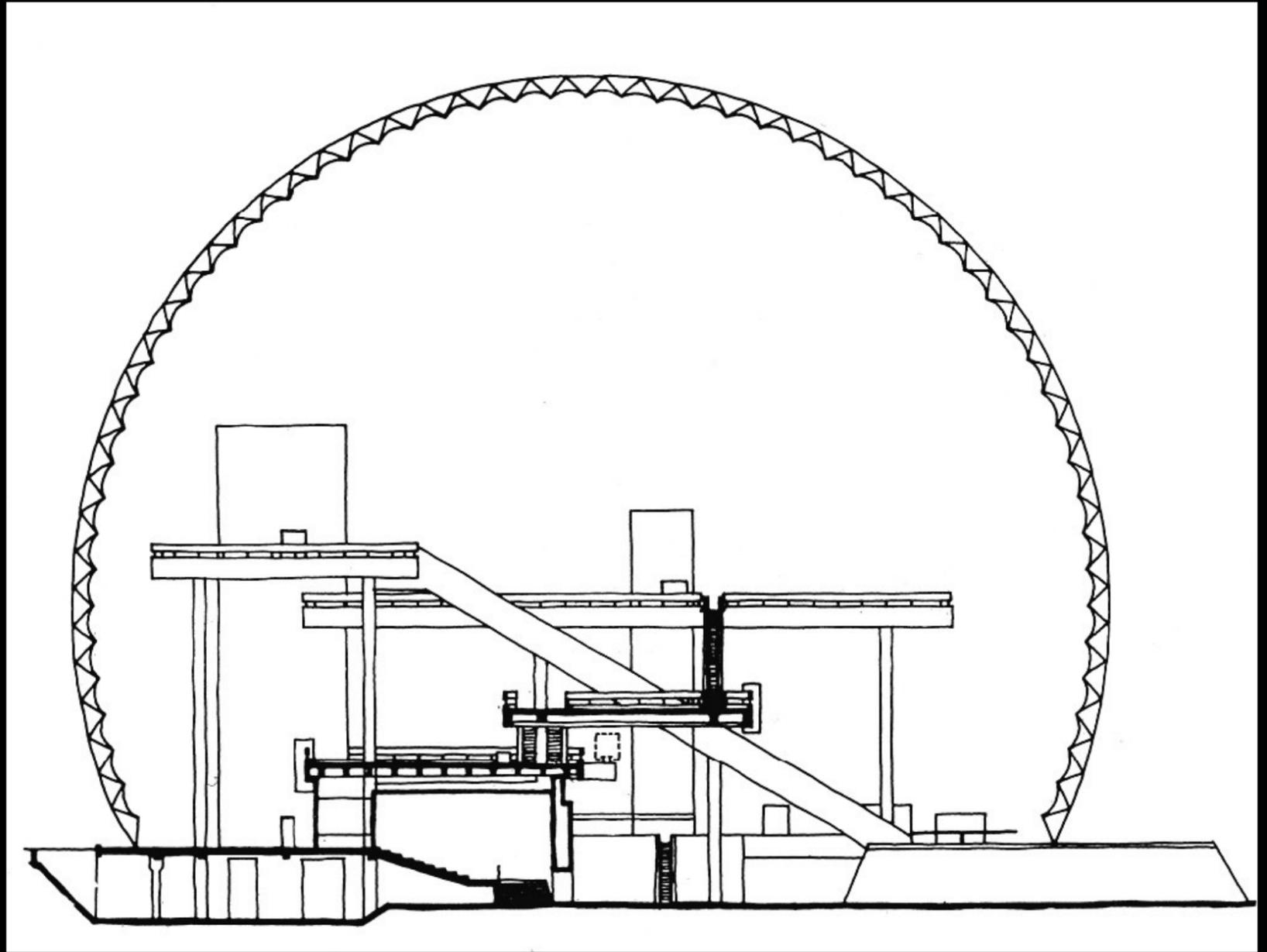
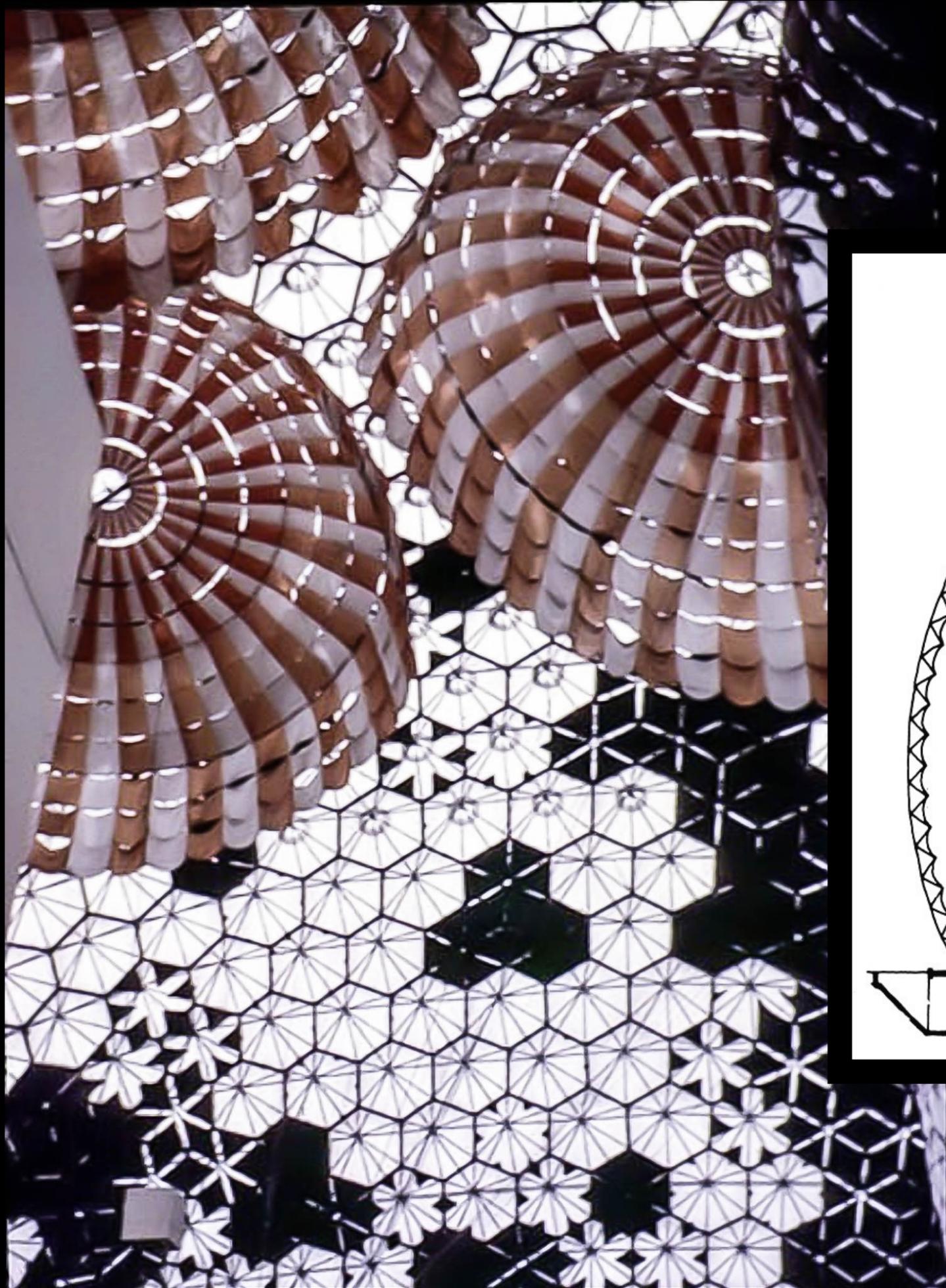
Larry



U.S. Pavilion at Expo
Montreal, Canada
Buckminster Fuller
1967



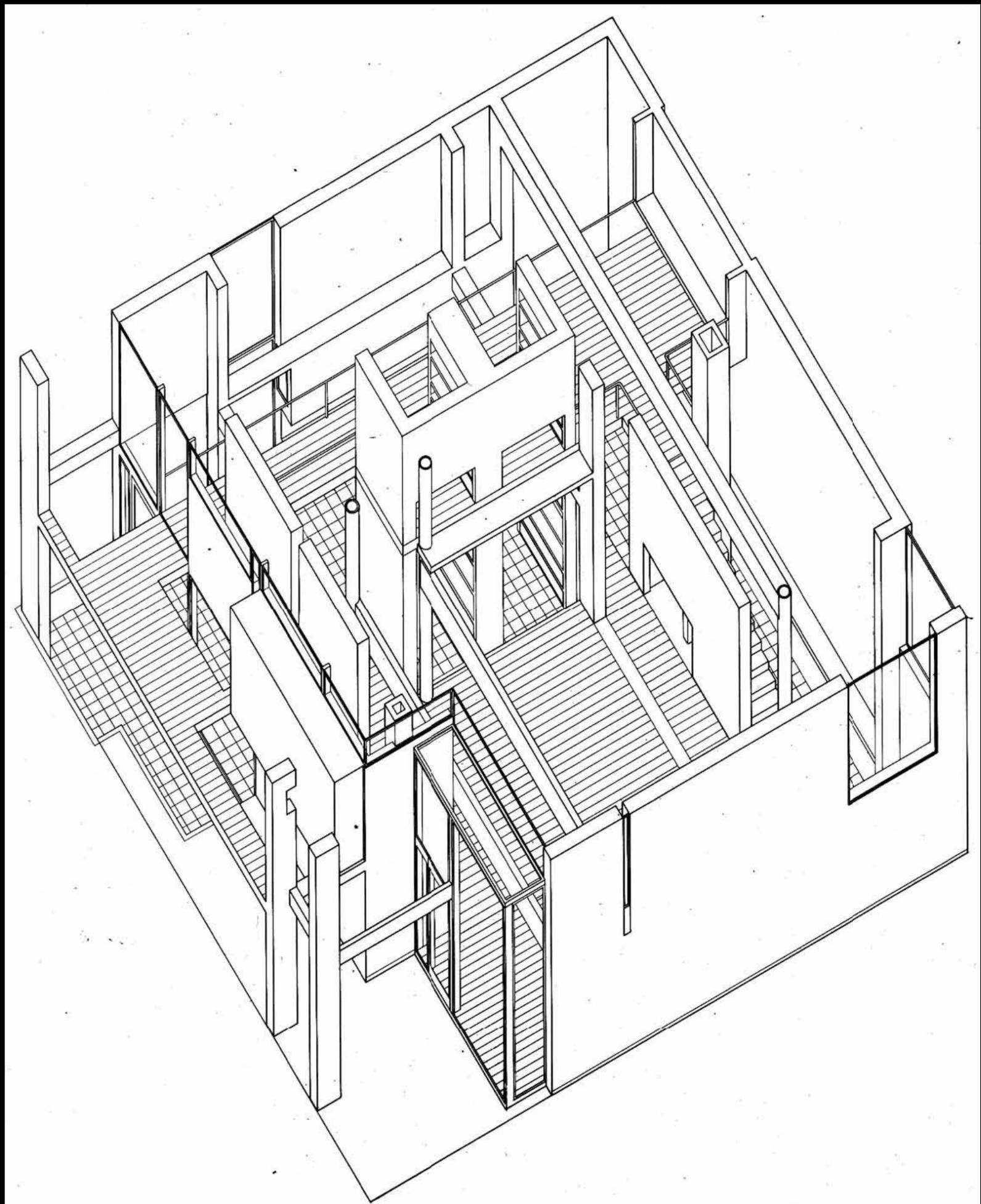


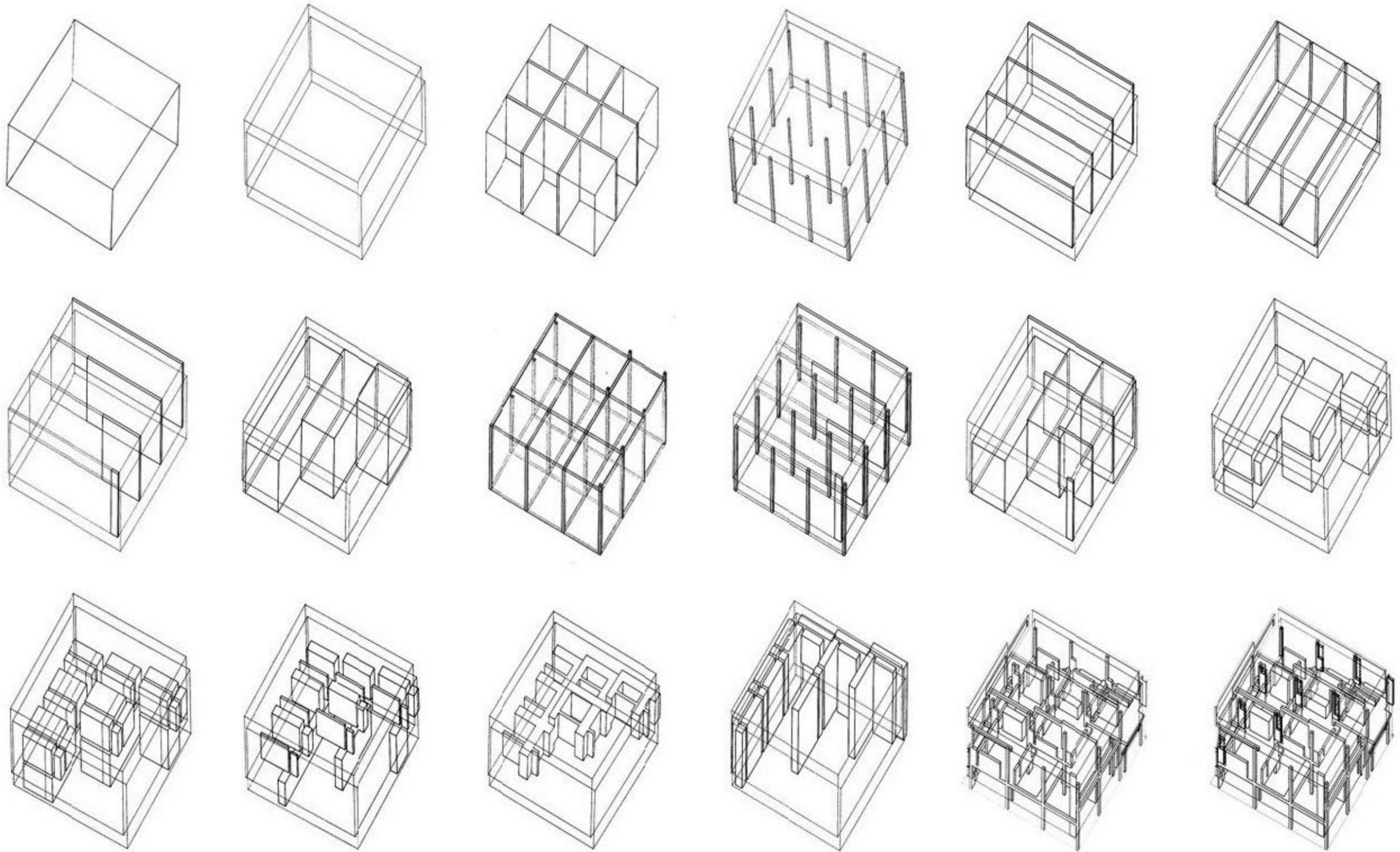


Houses

Peter Eisenman

1967–1969





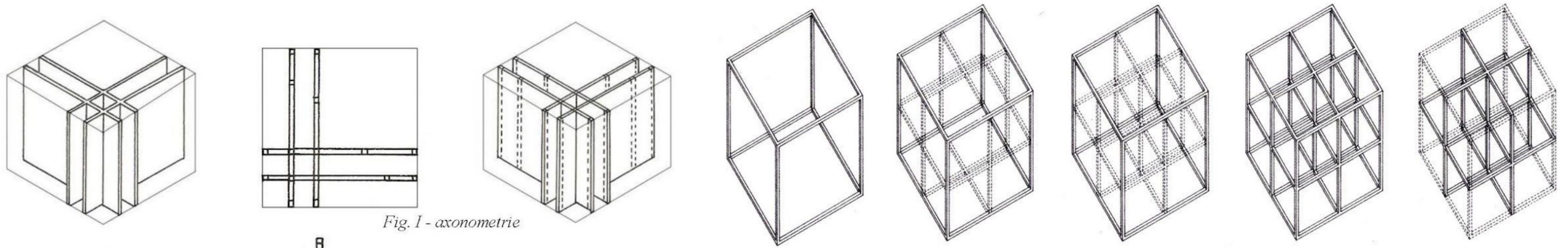


Fig. I - axonometrie

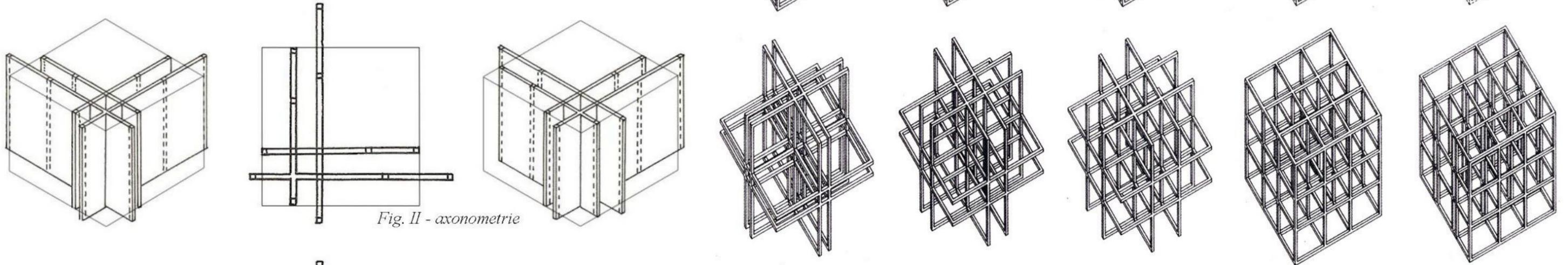


Fig. II - axonometrie

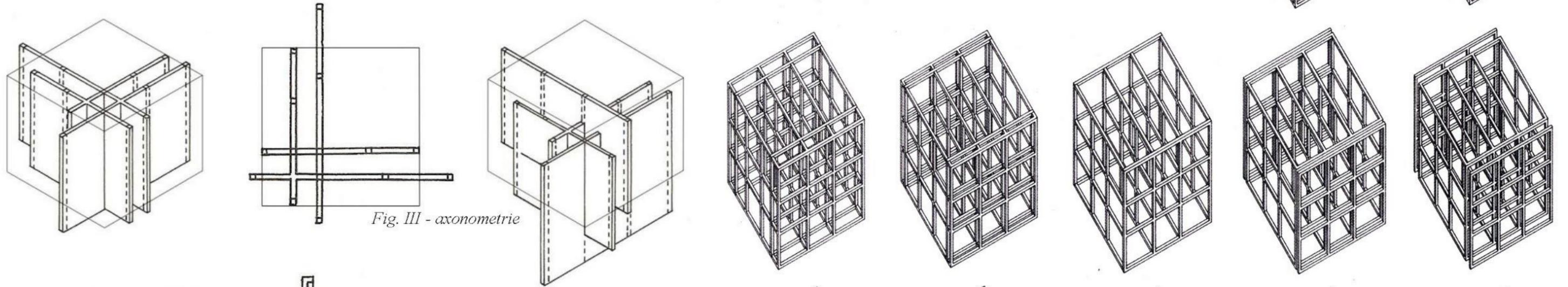


Fig. III - axonometrie

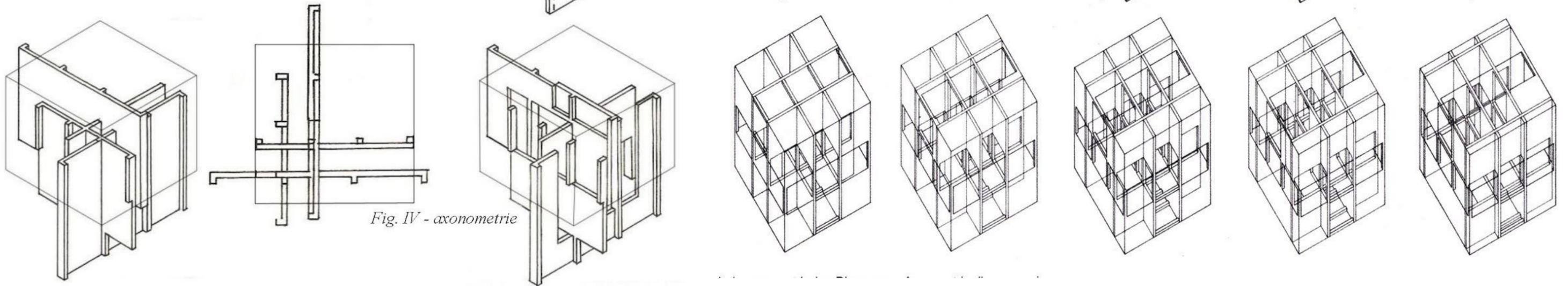
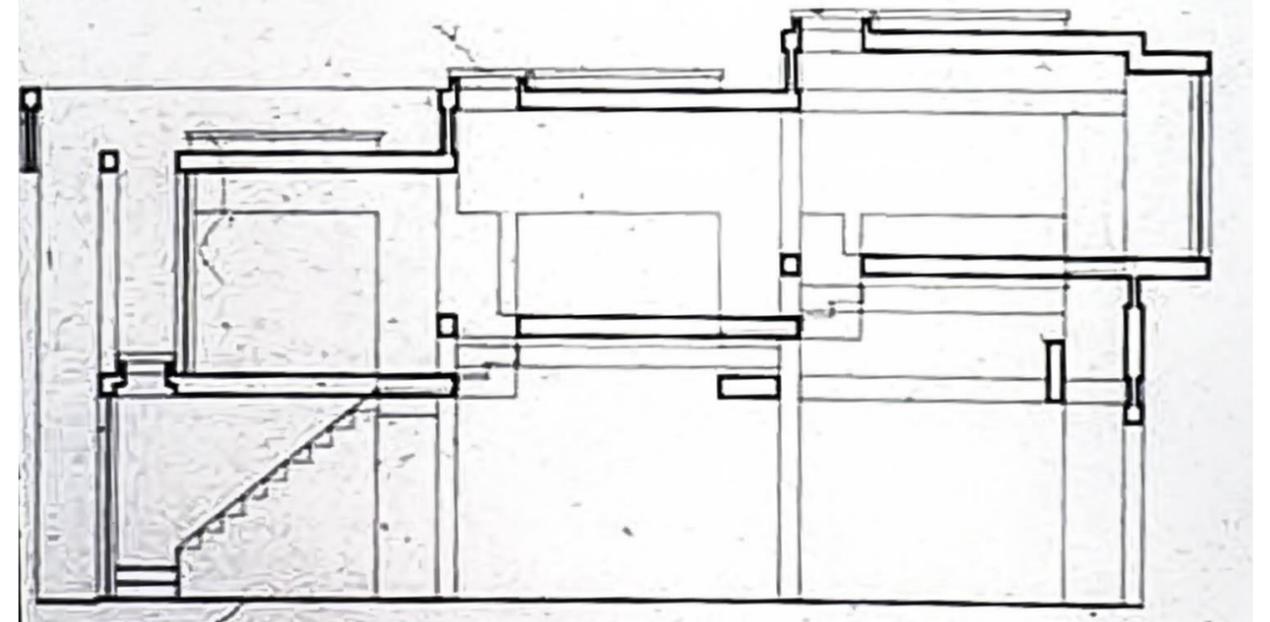
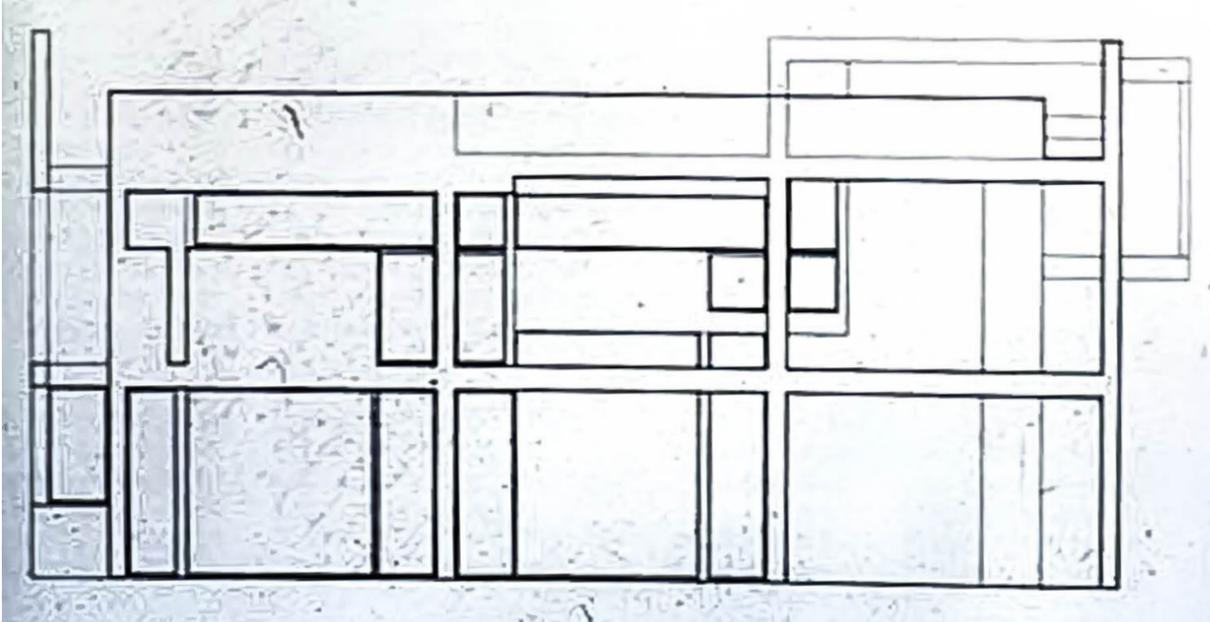
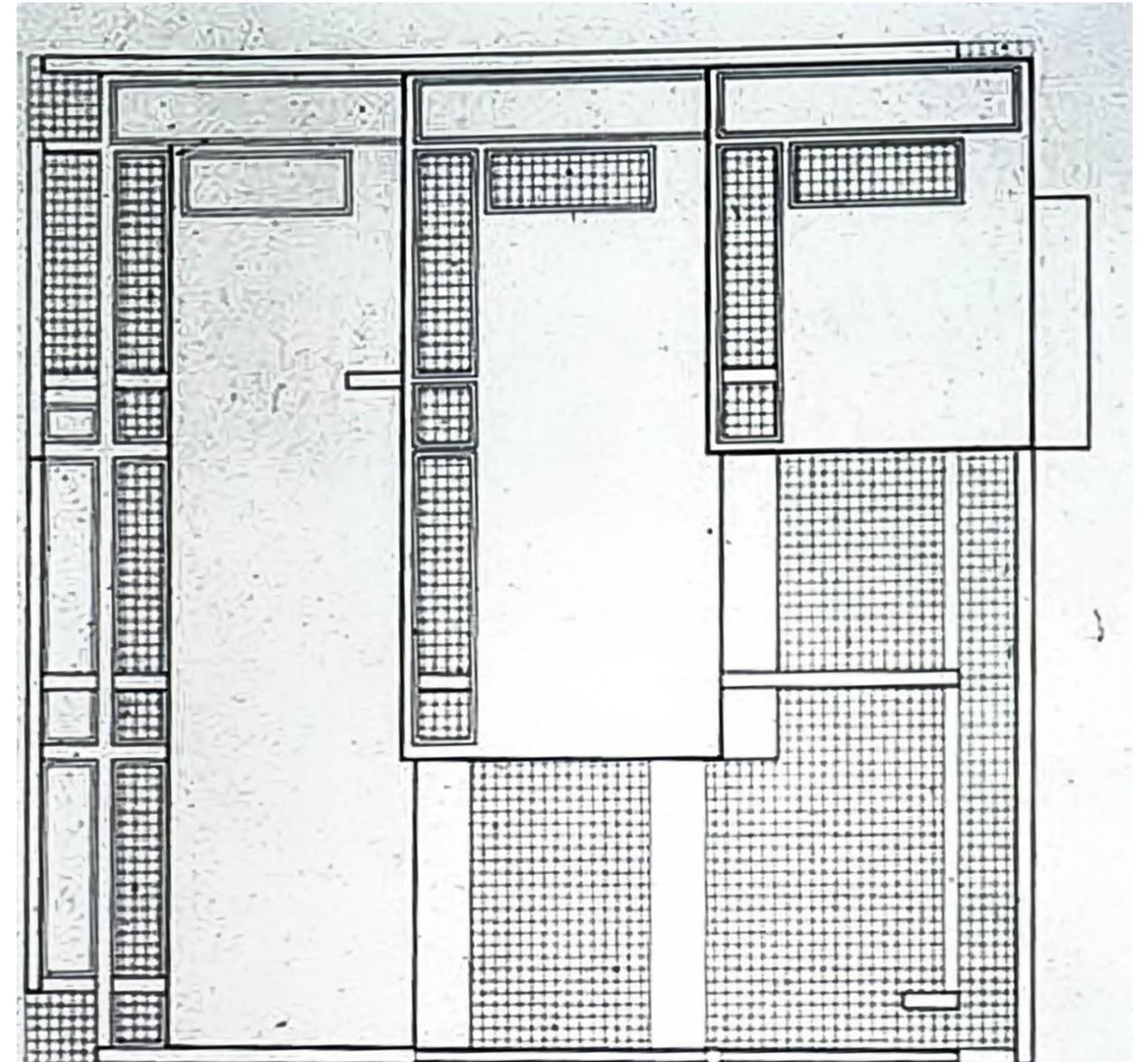
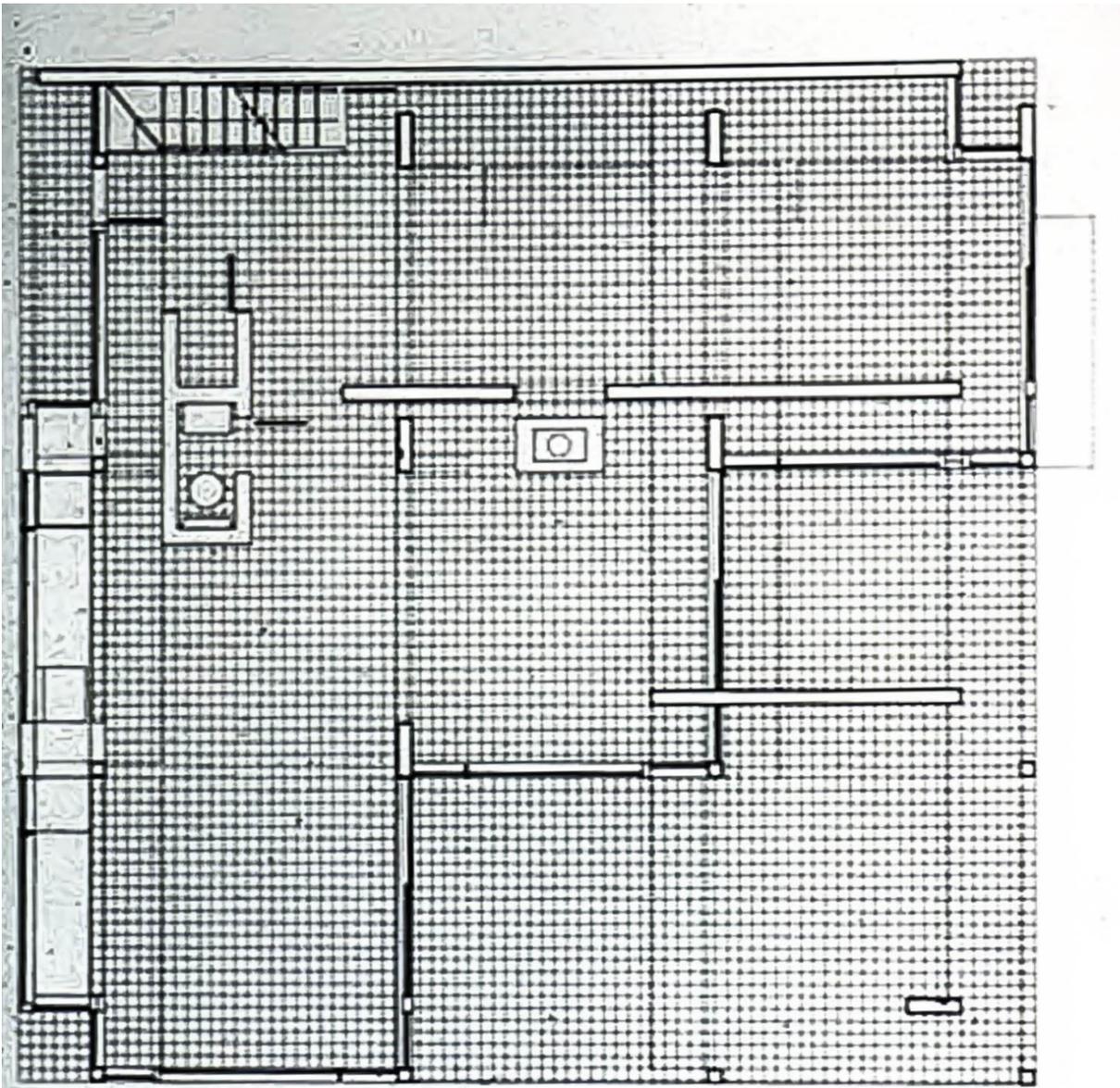
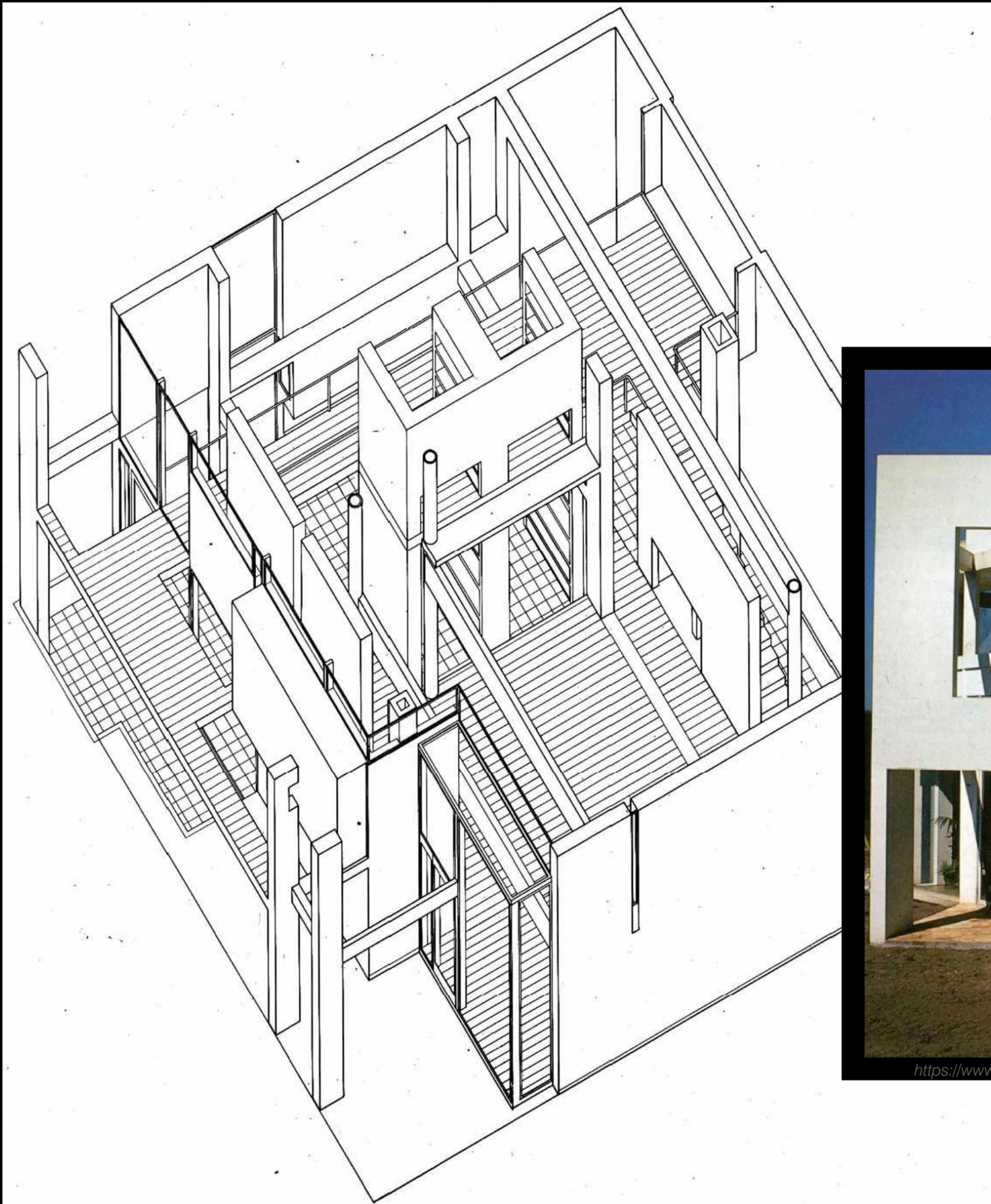
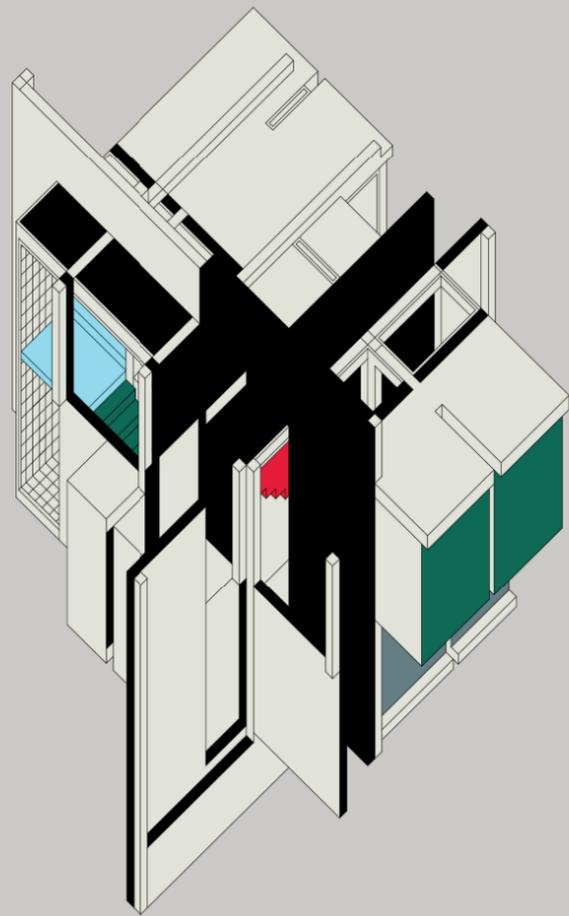
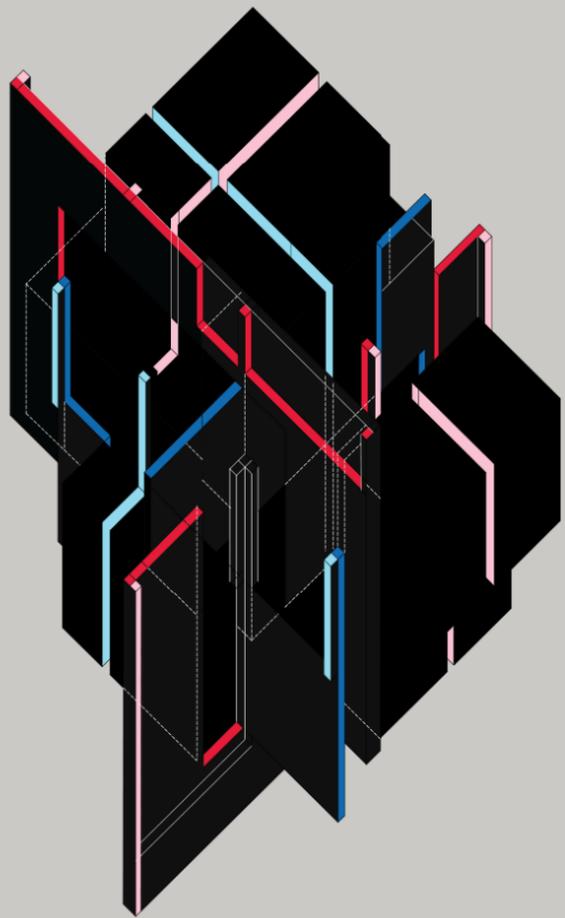


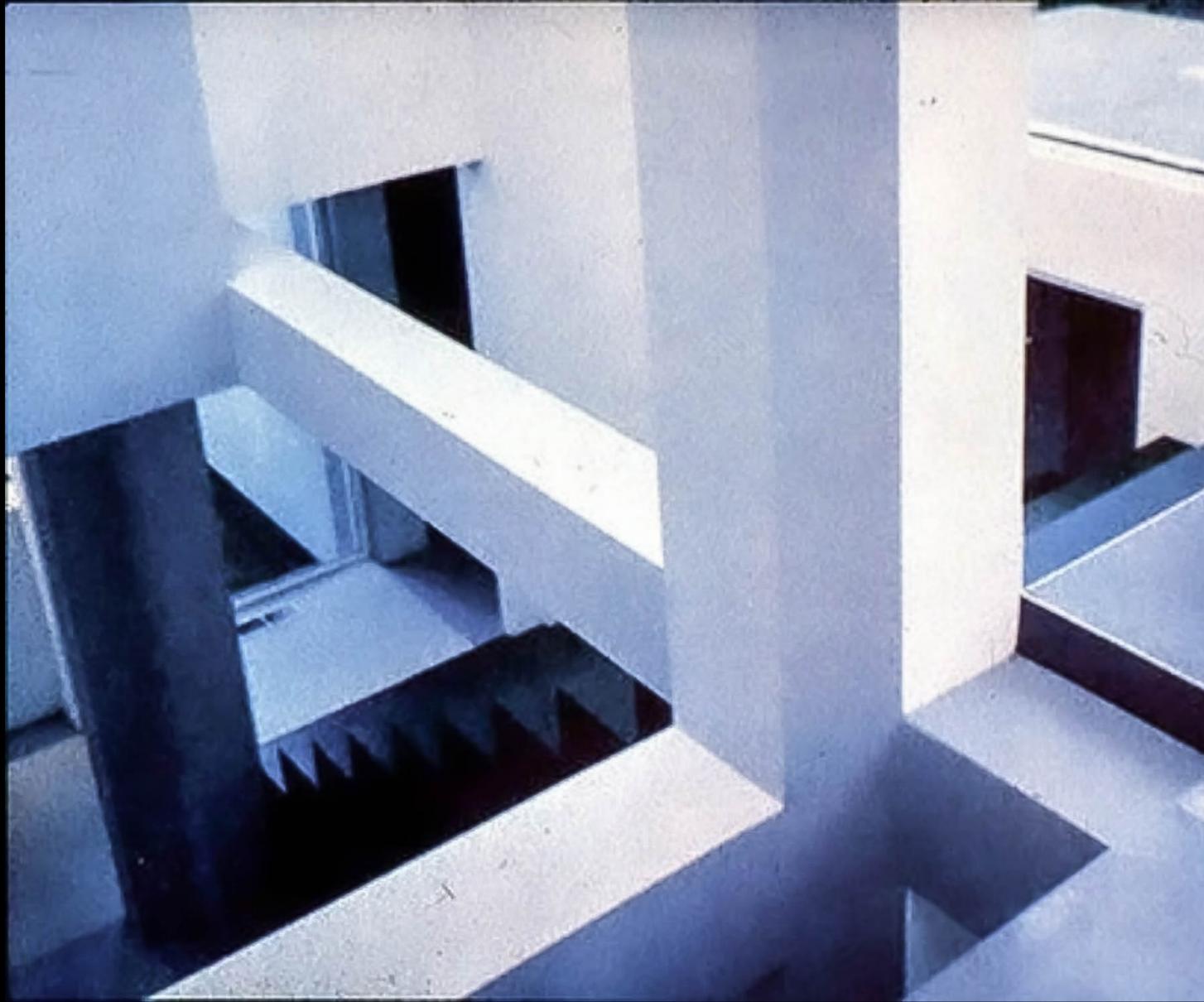
Fig. IV - axonometrie

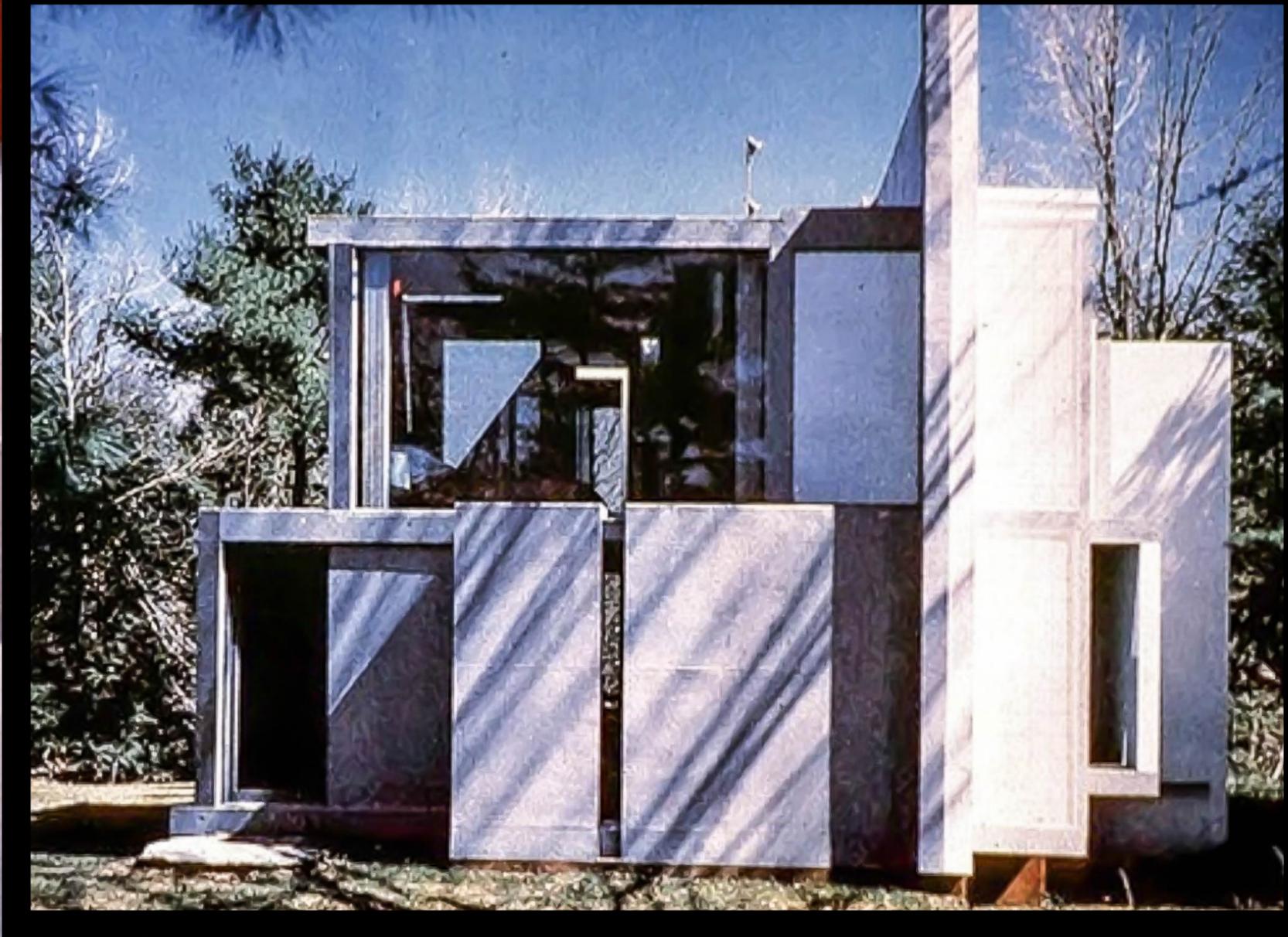




<https://www.pinterest.com>







Zollverein School of
Design

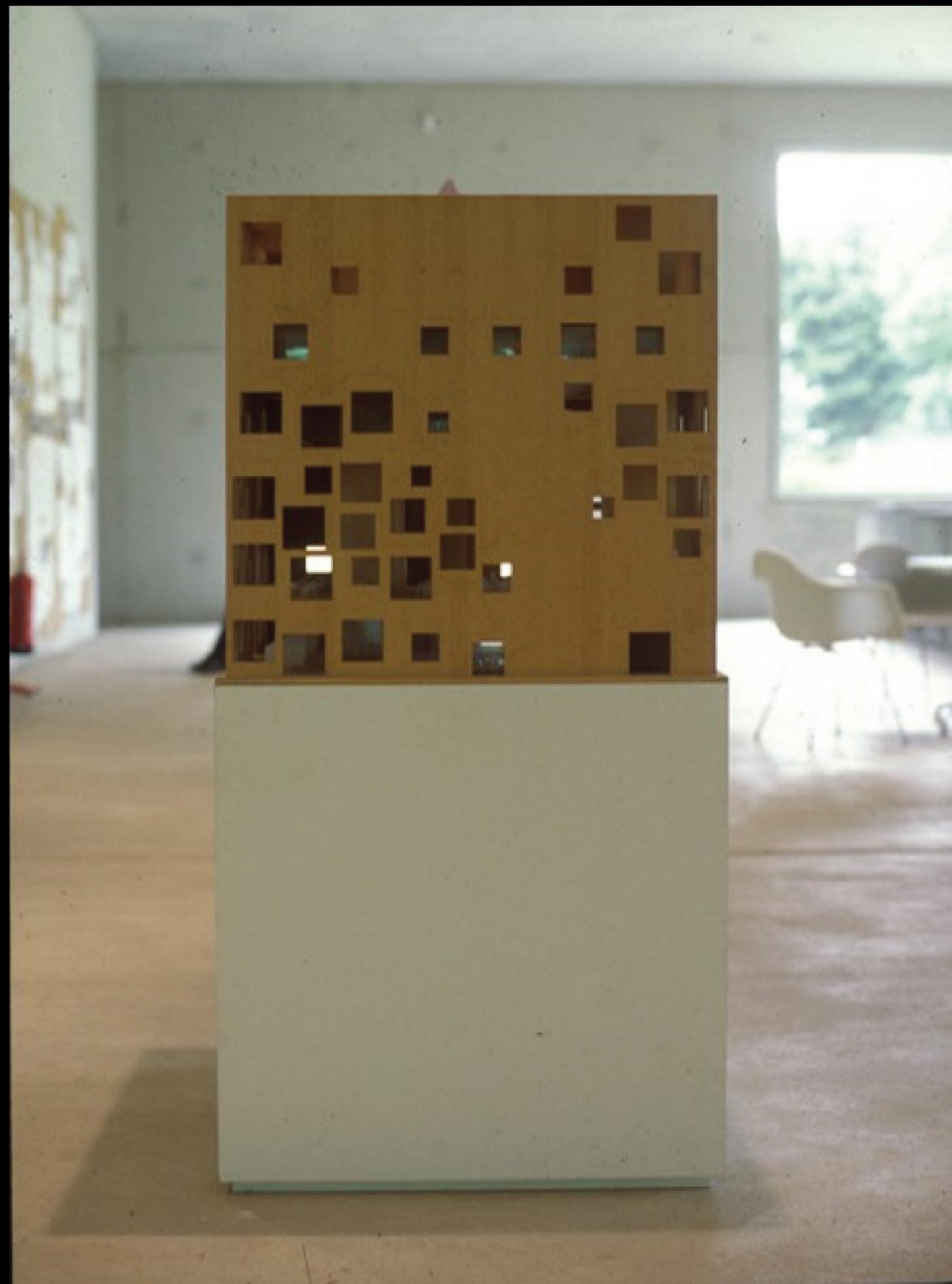
Essen, Germany

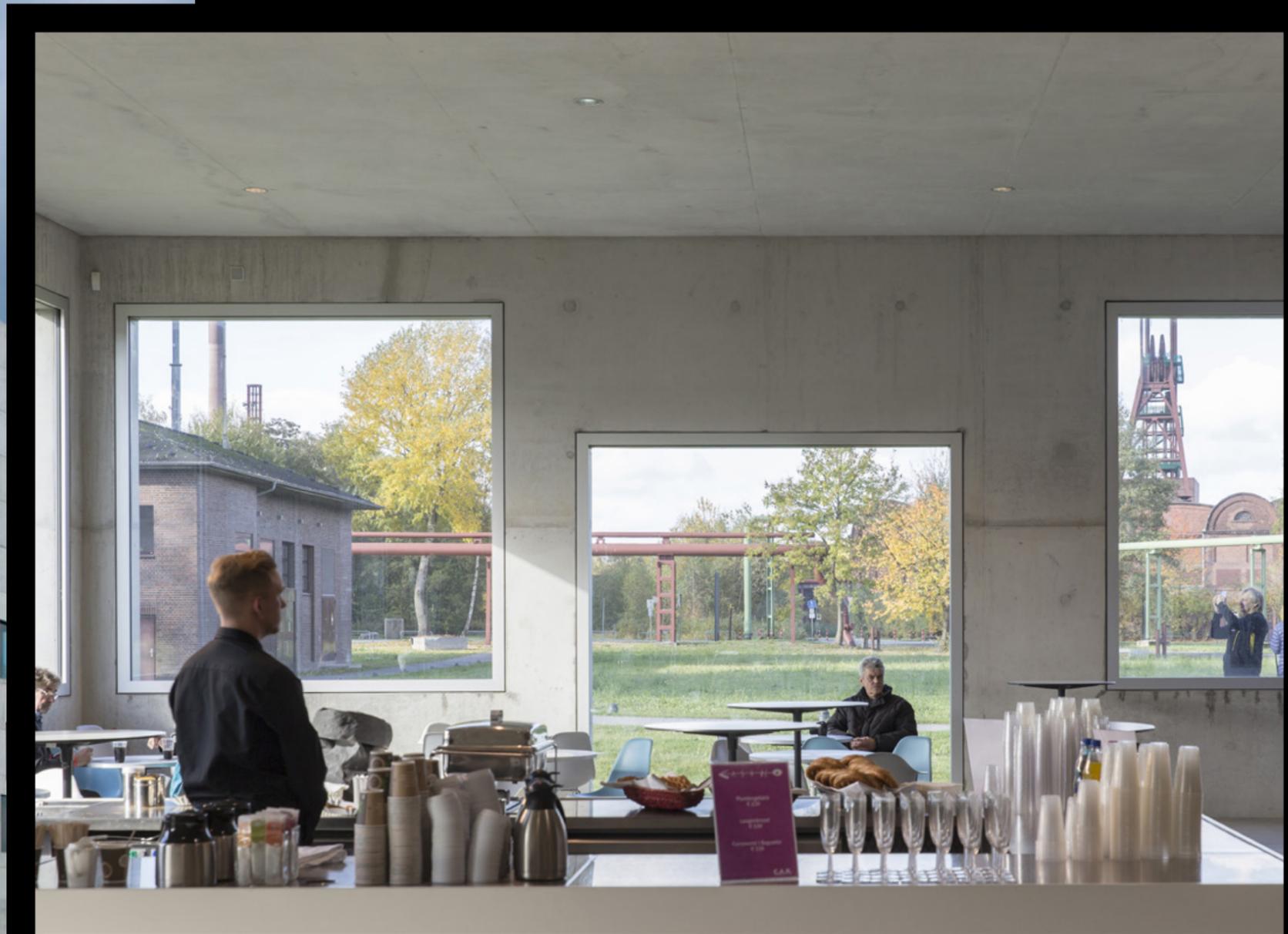
Kazuyo Sejima

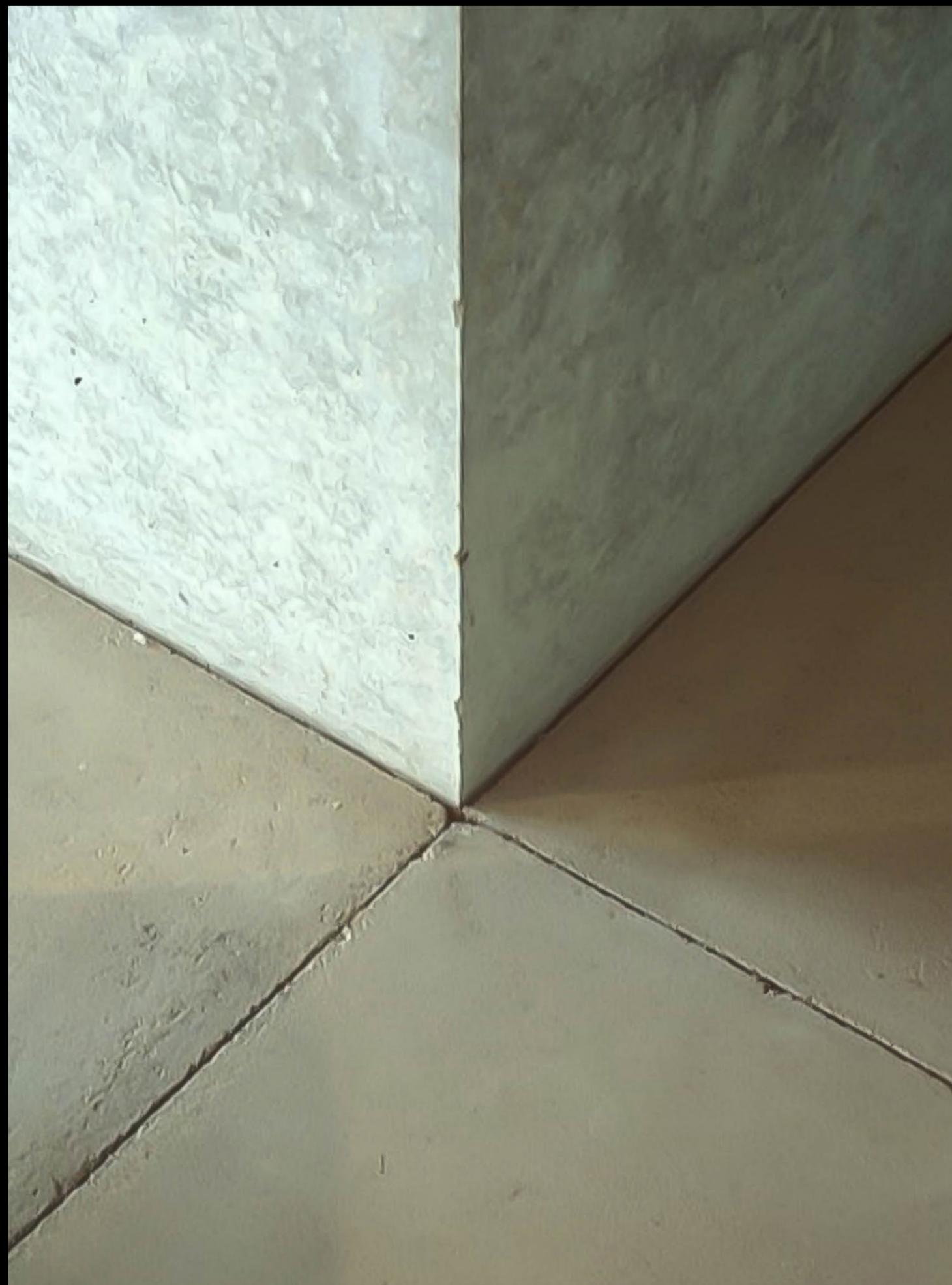
2006



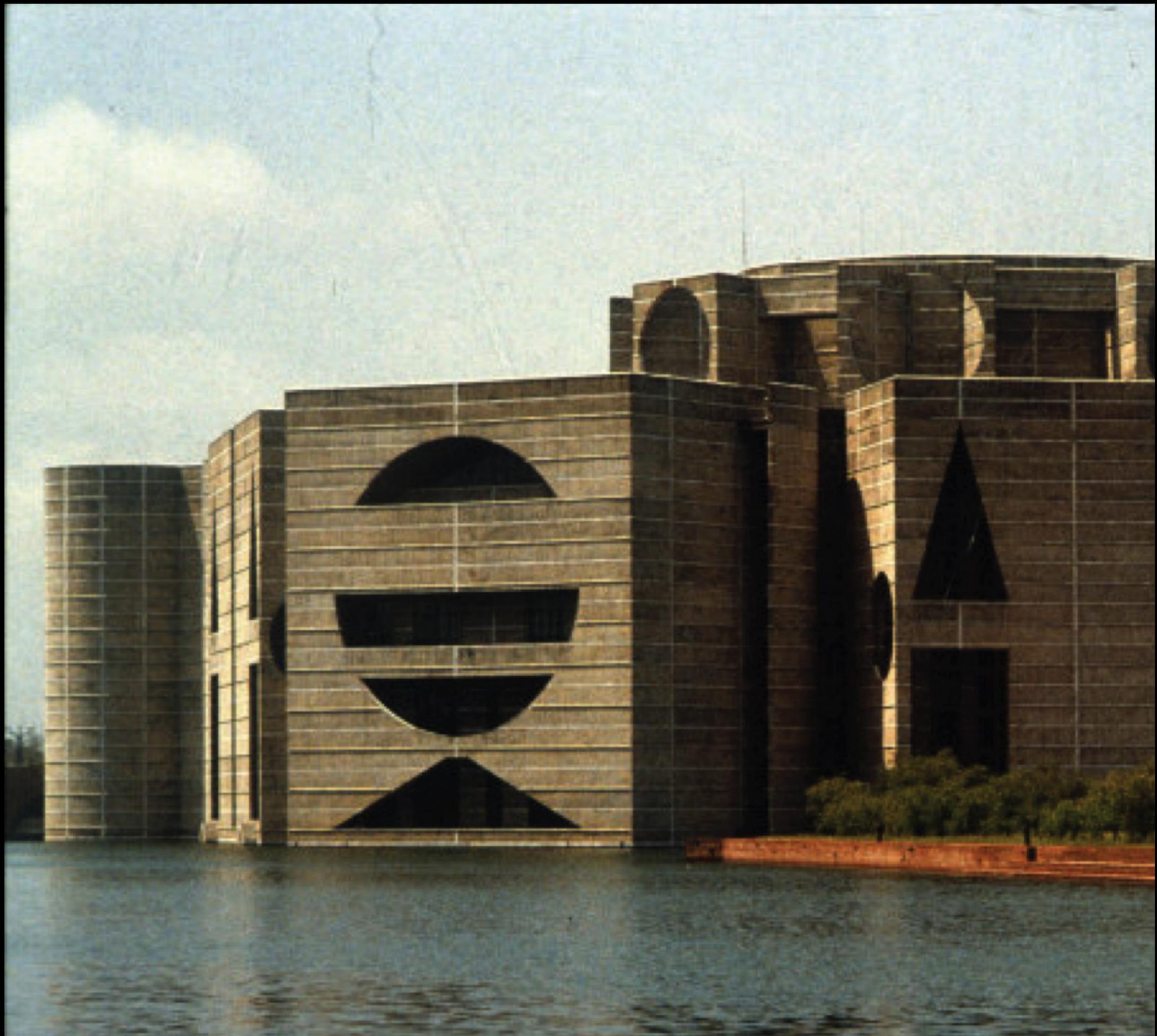




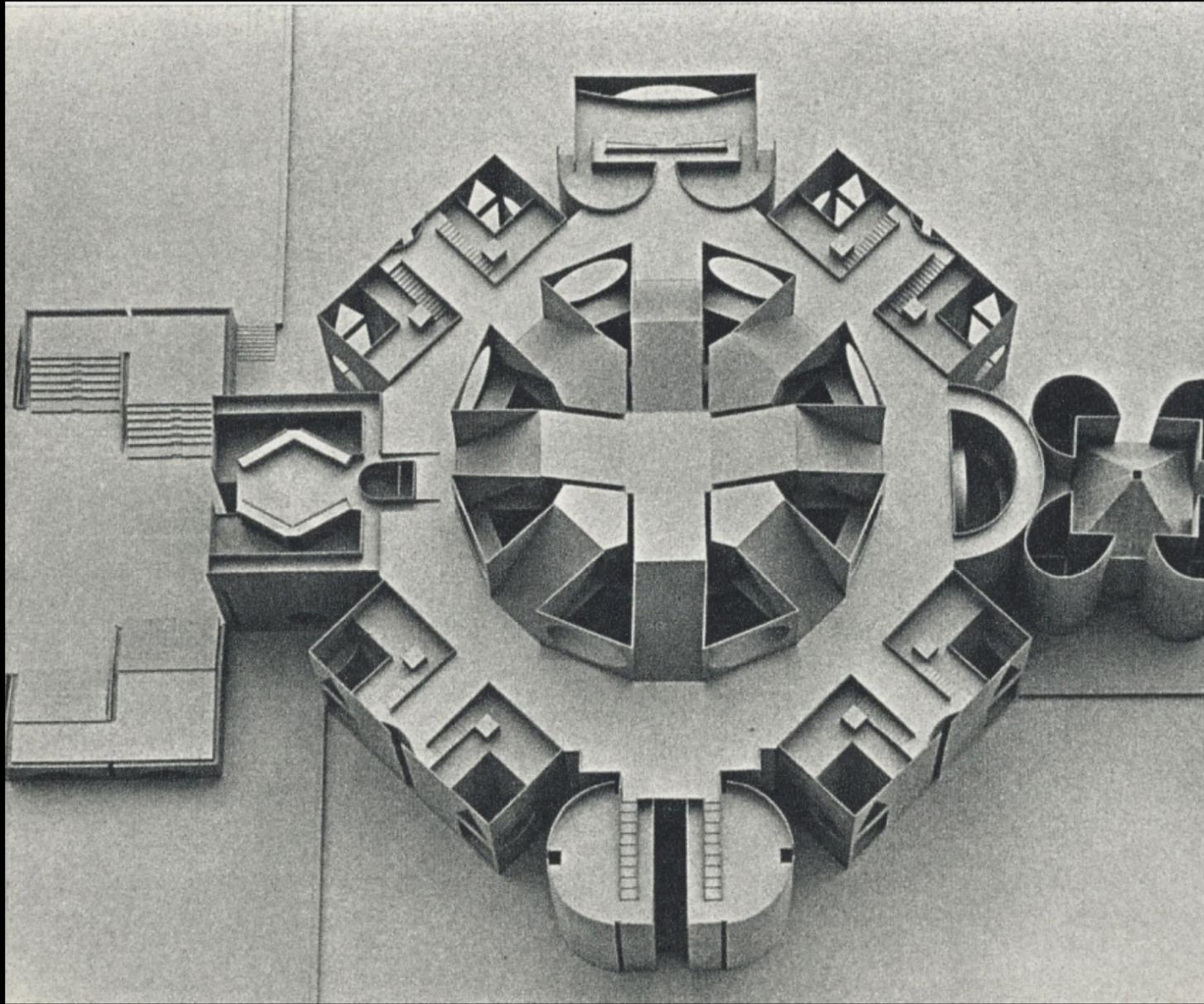


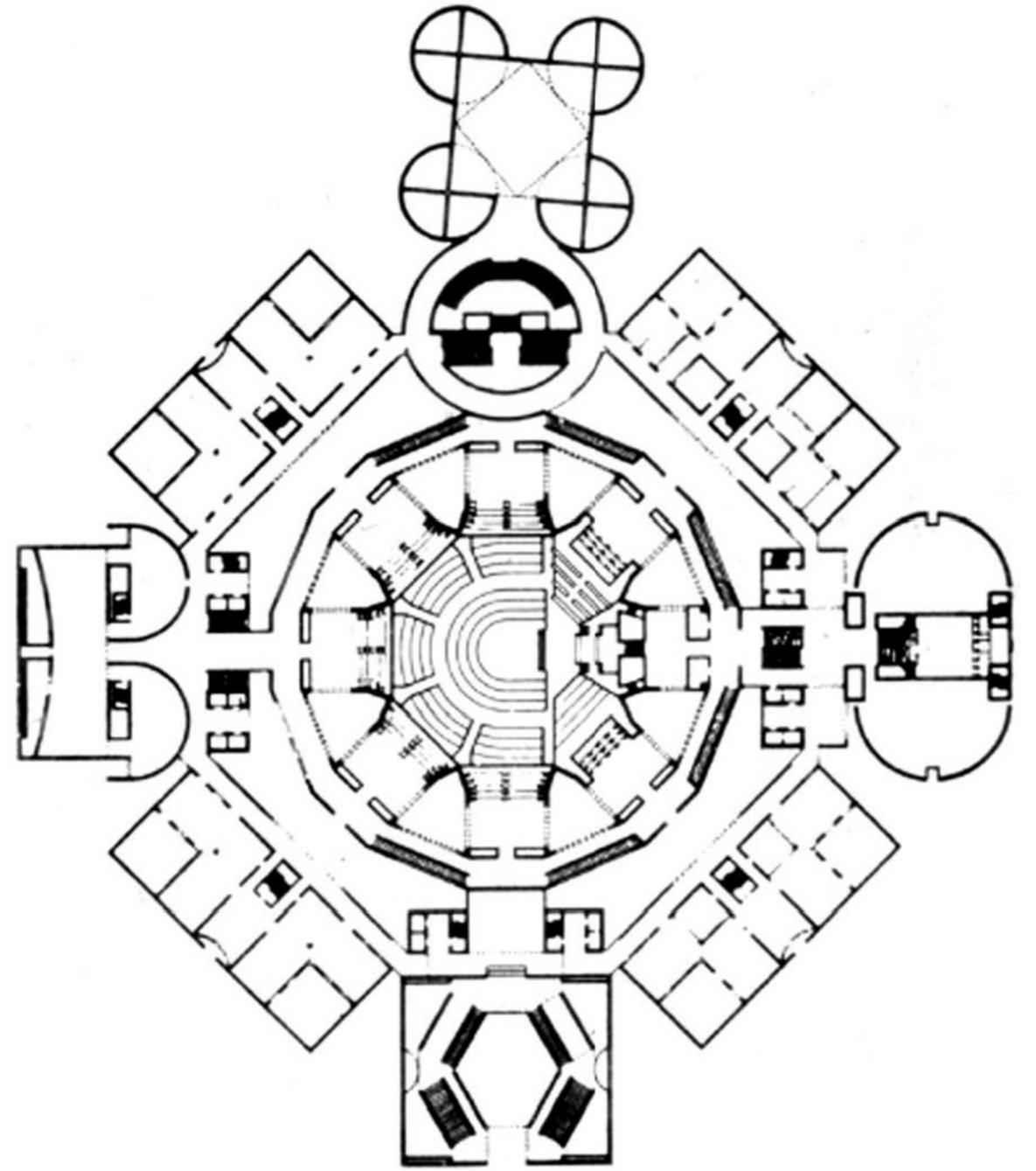


Capitol Buildings
Dacca, Bangladesh
Louis Kahn
1962-1974











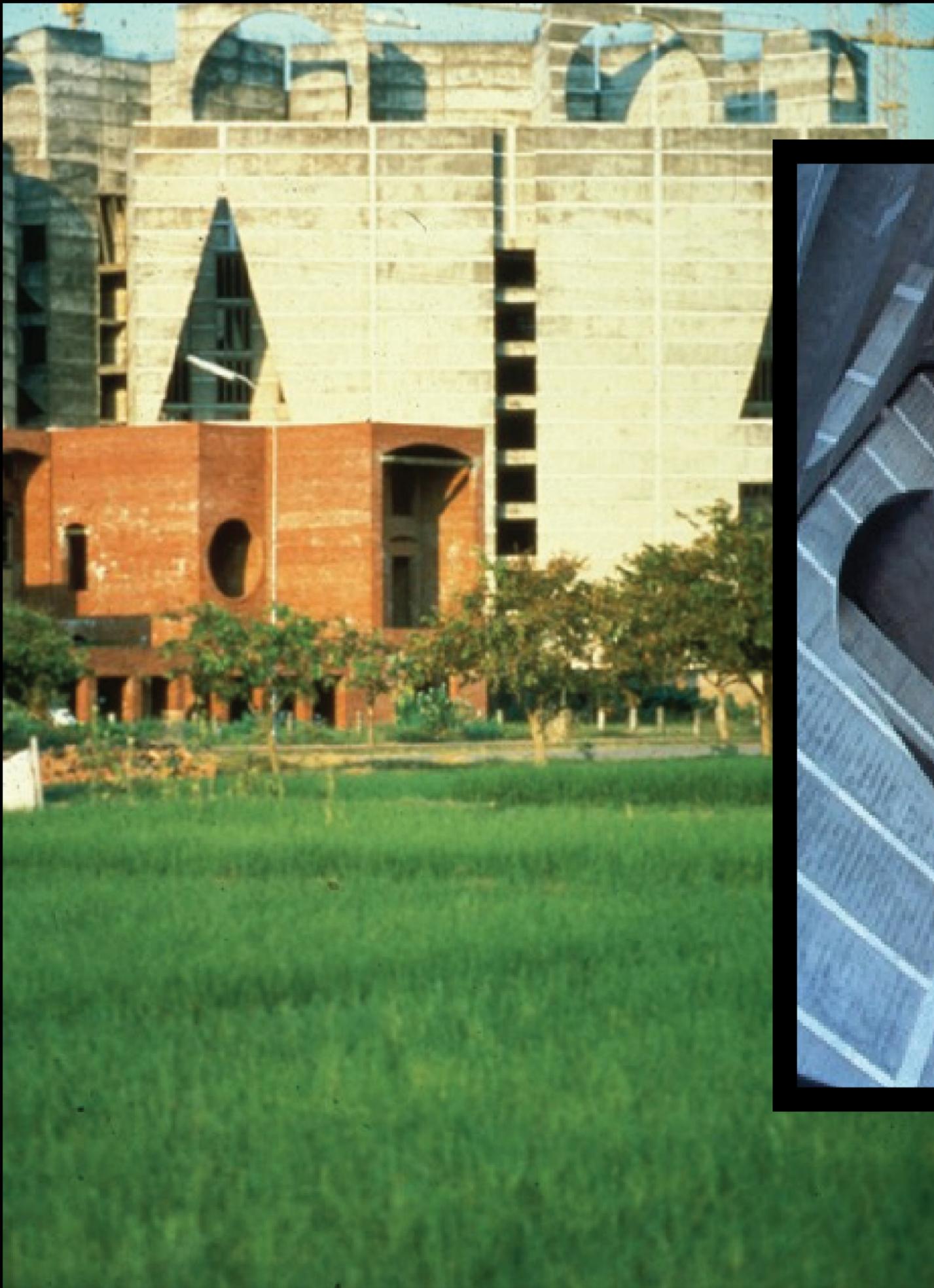


Larry



Larry





Larry



Larry



