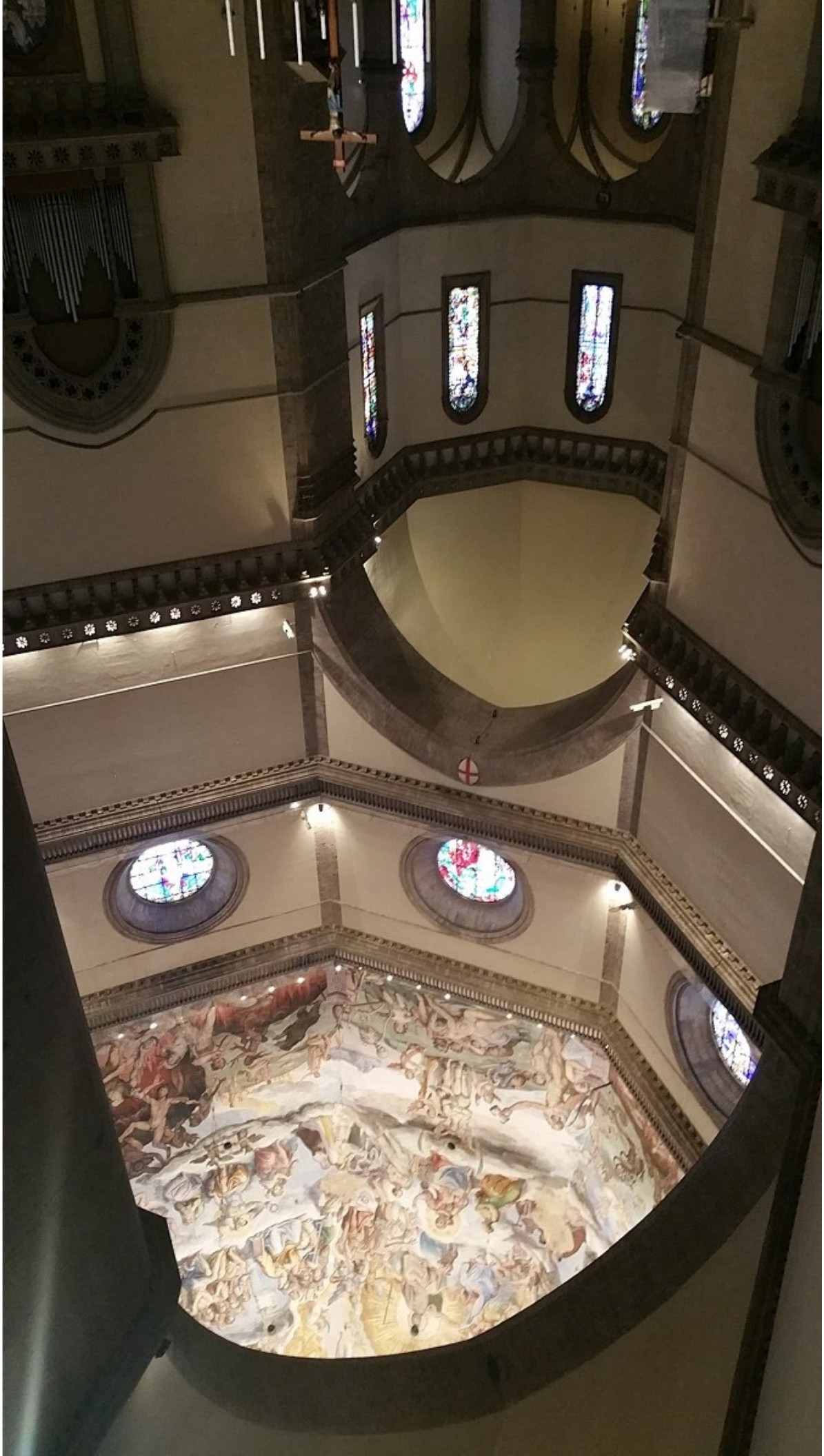
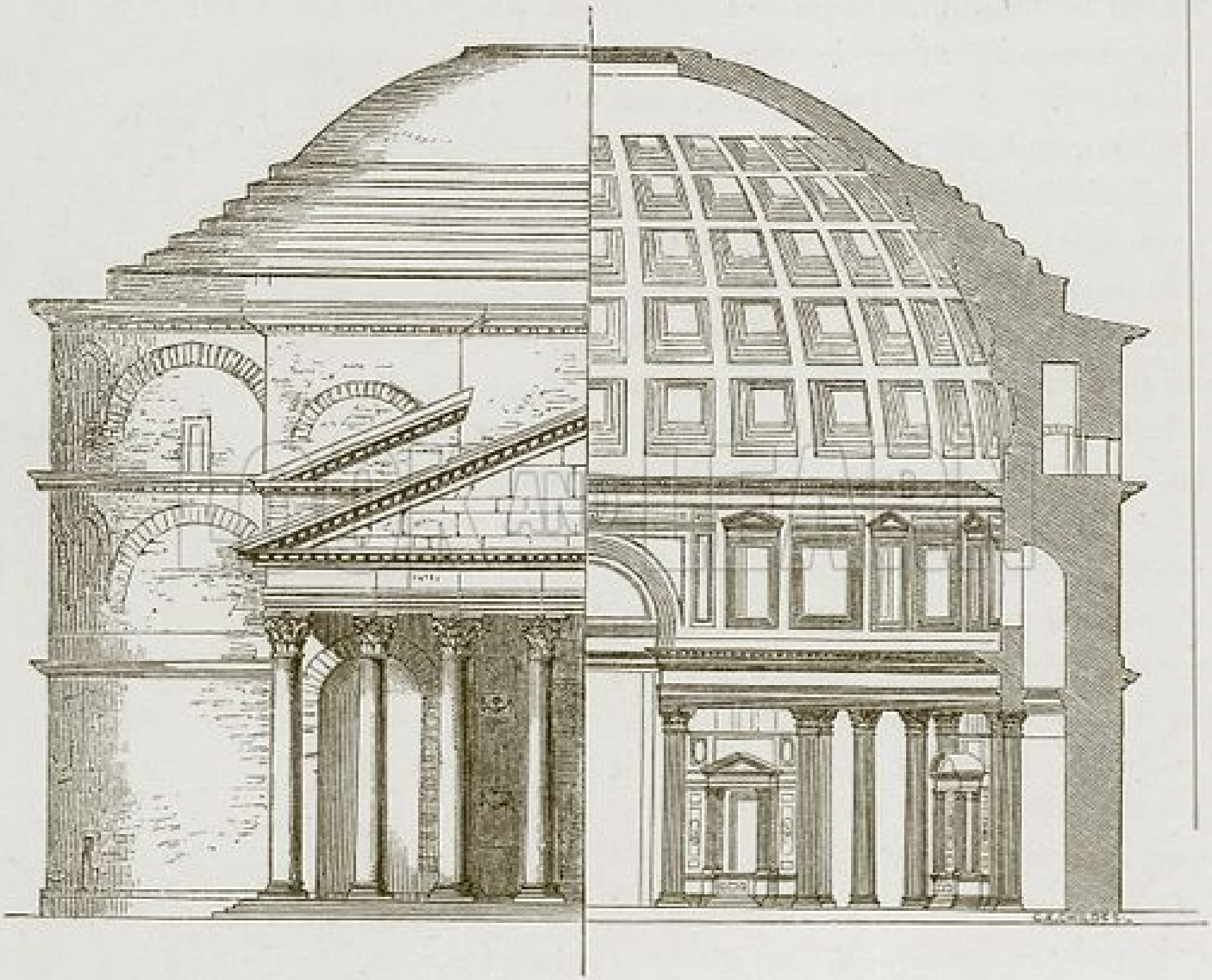
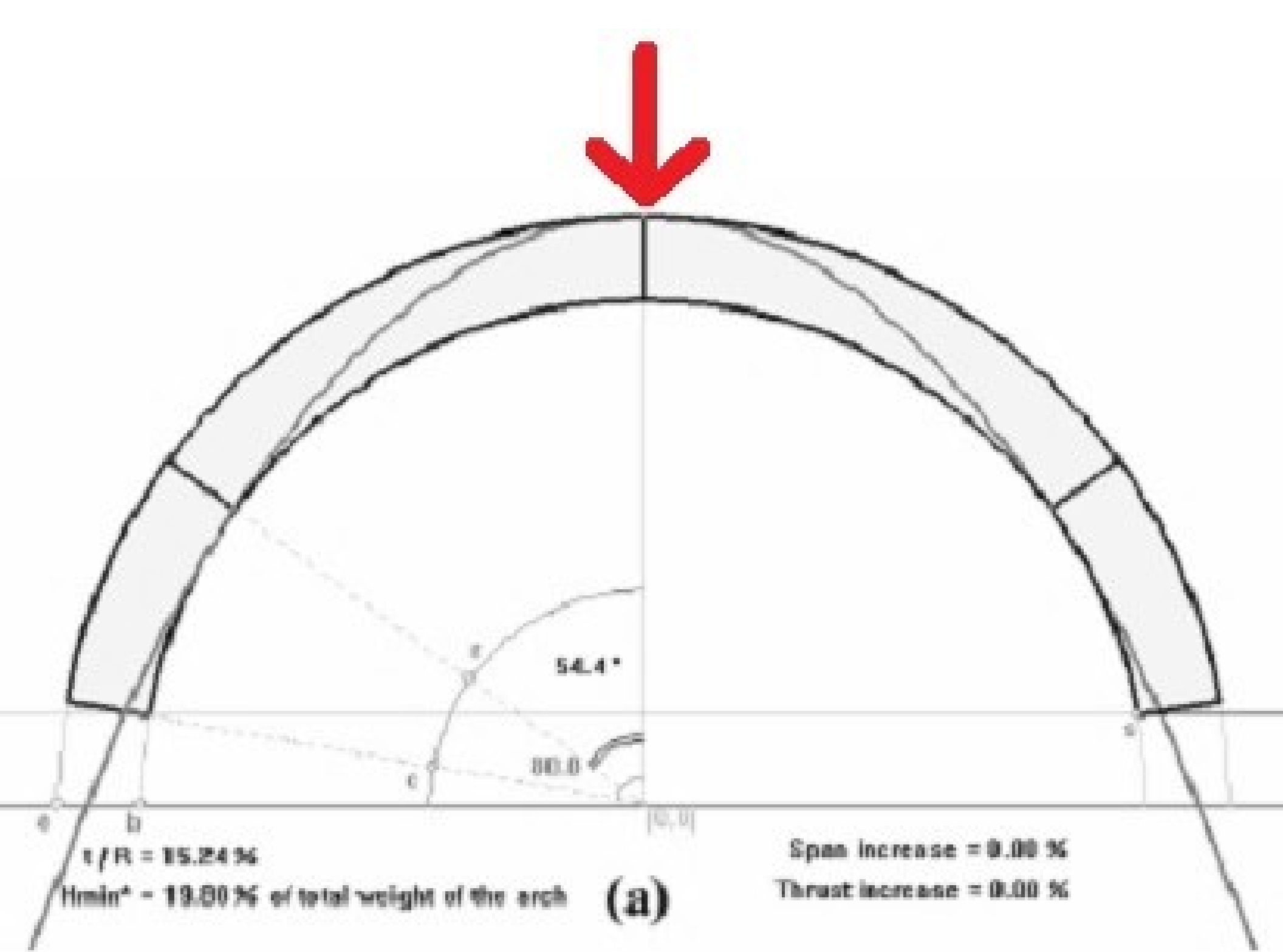
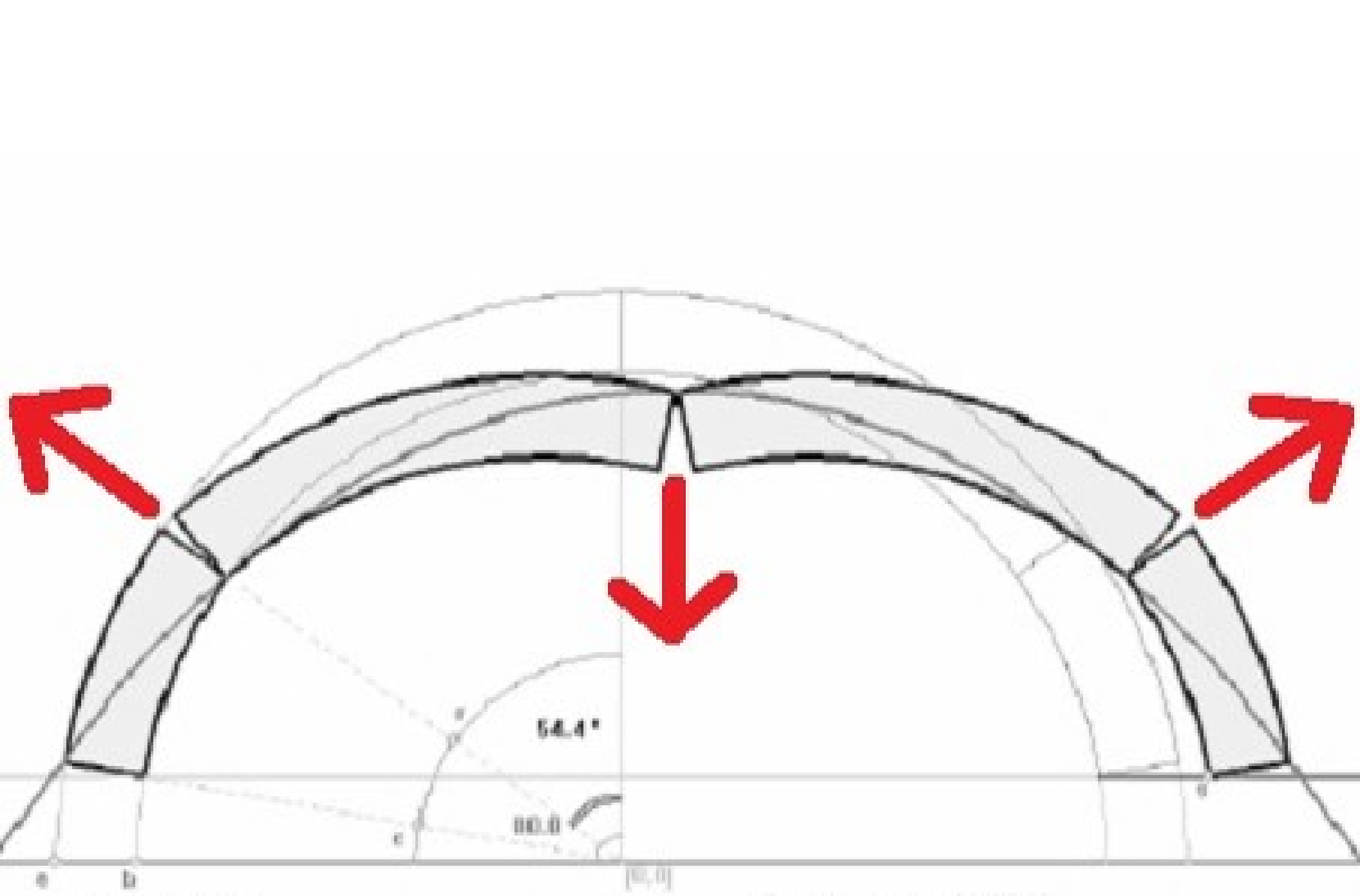

INRI
ECCE HOMO

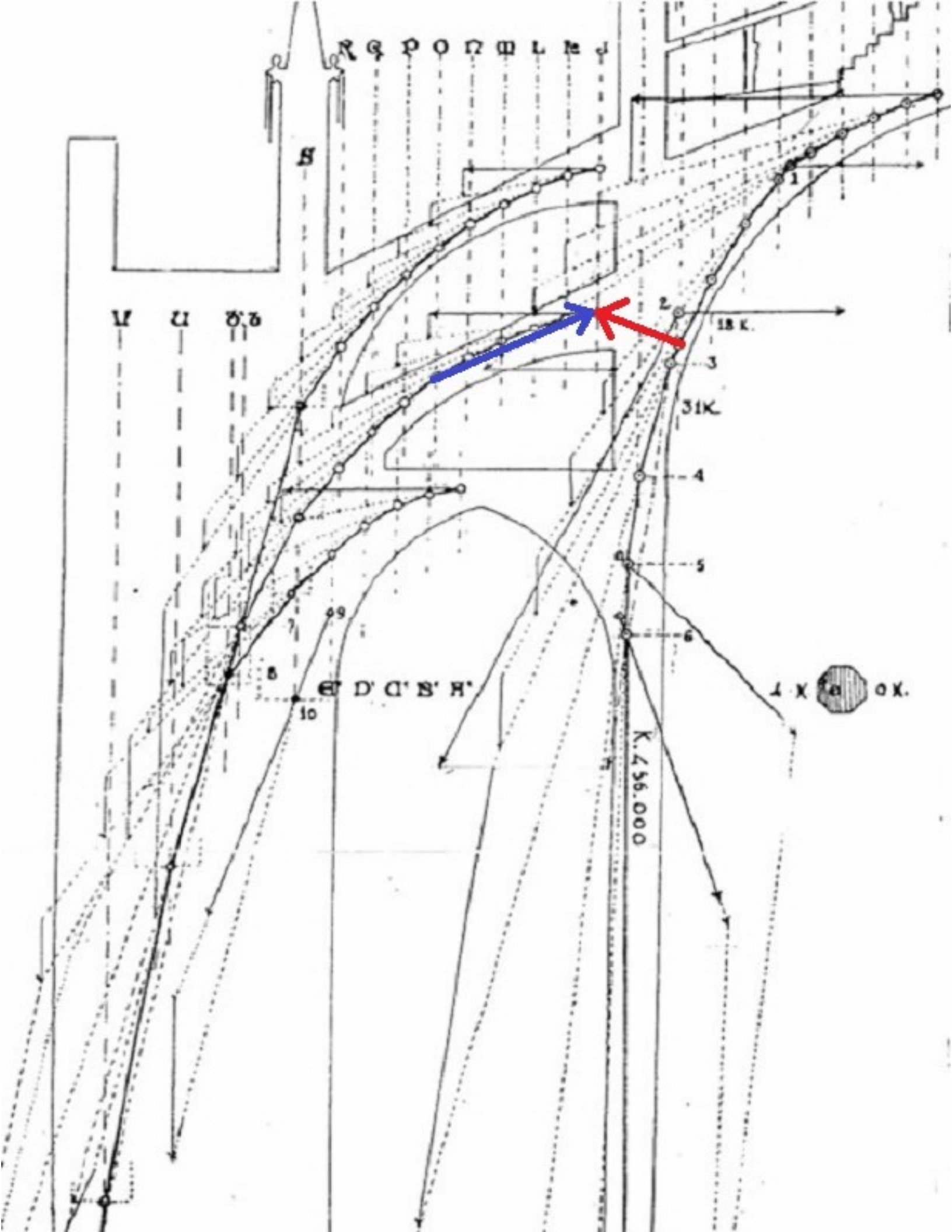


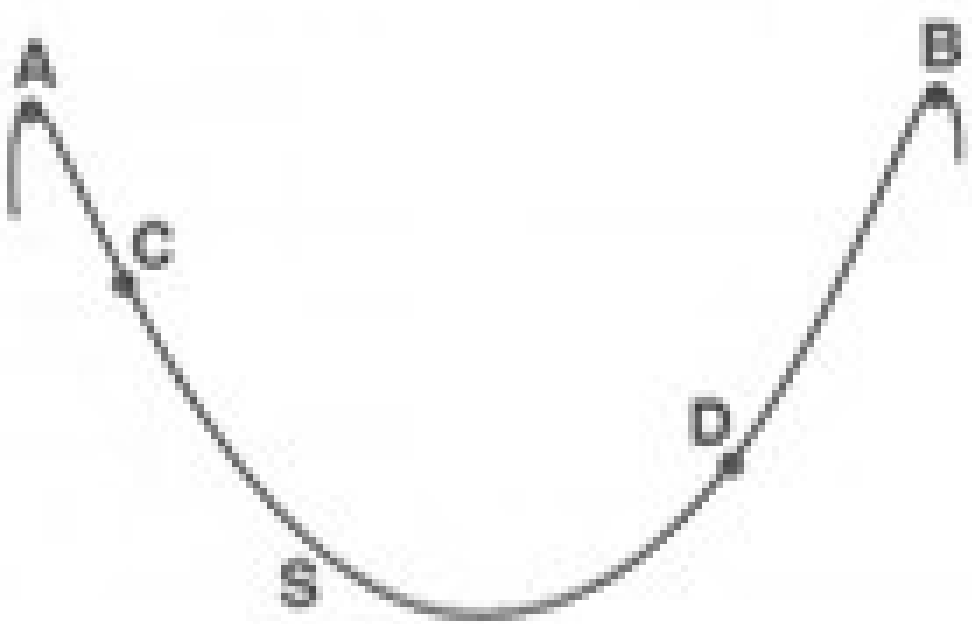


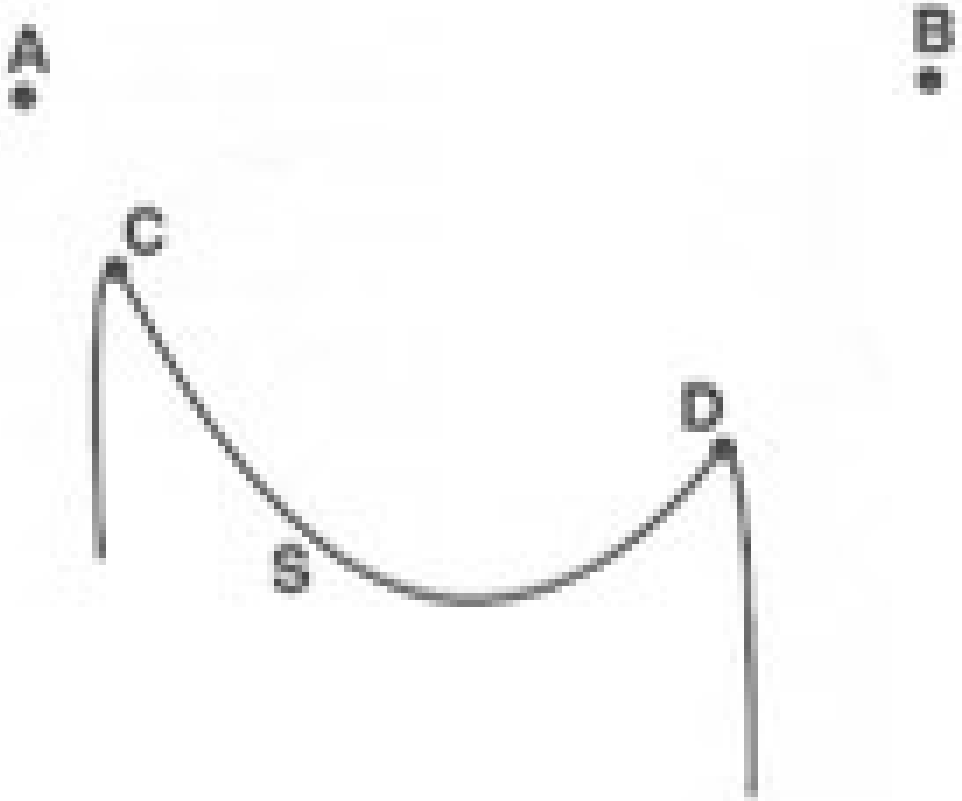
191. Half Elevation, half Section, of the Pantheon at Rome. Scale 50 ft. to 1 in.

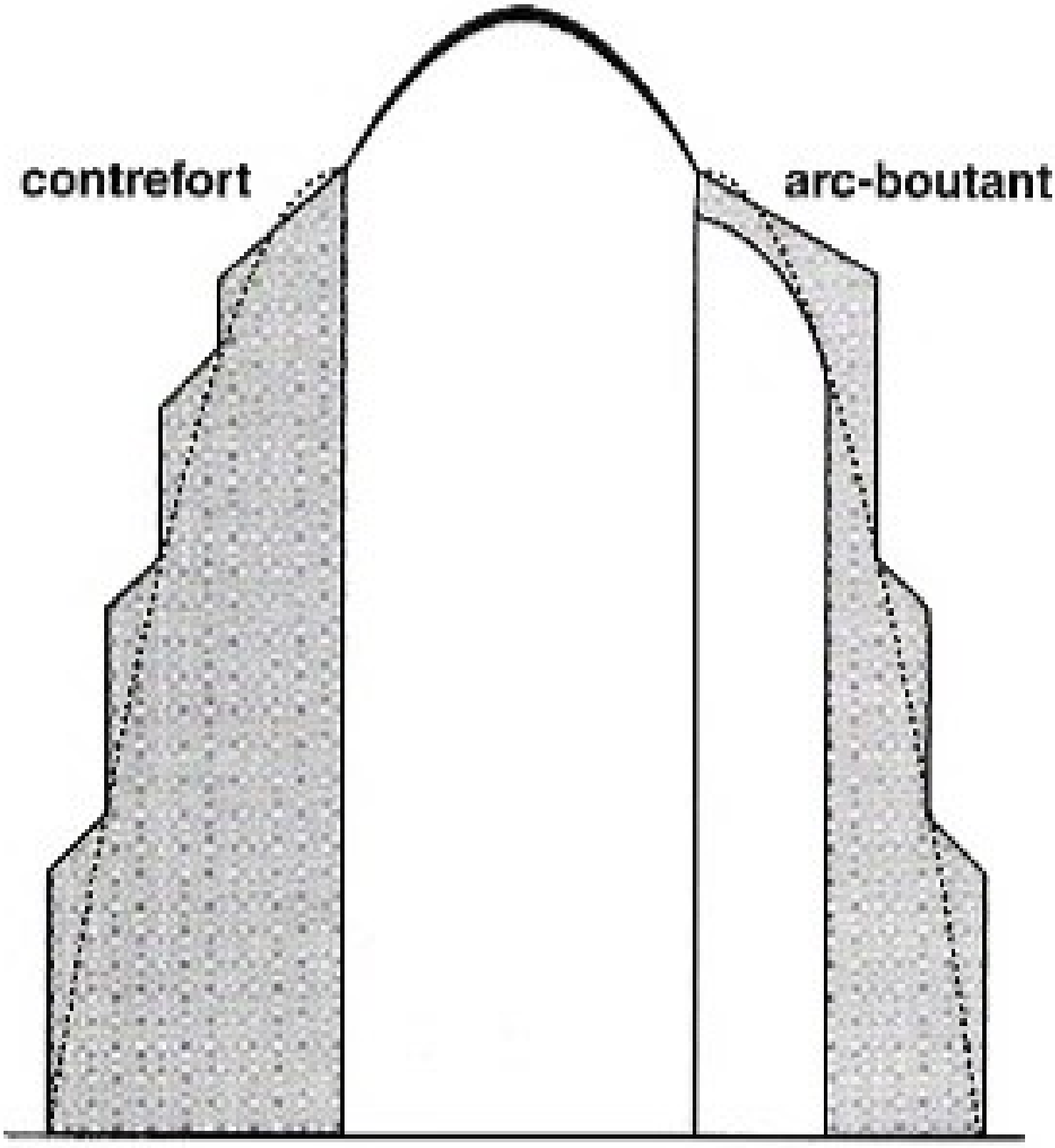

54.4°
90.0°
a
b
t / R = 15.24 %
Hmin* = 19.00 % of total weight of the arch
(a)
Span increase = 0.00 %
Thrust increase = 0.00 %

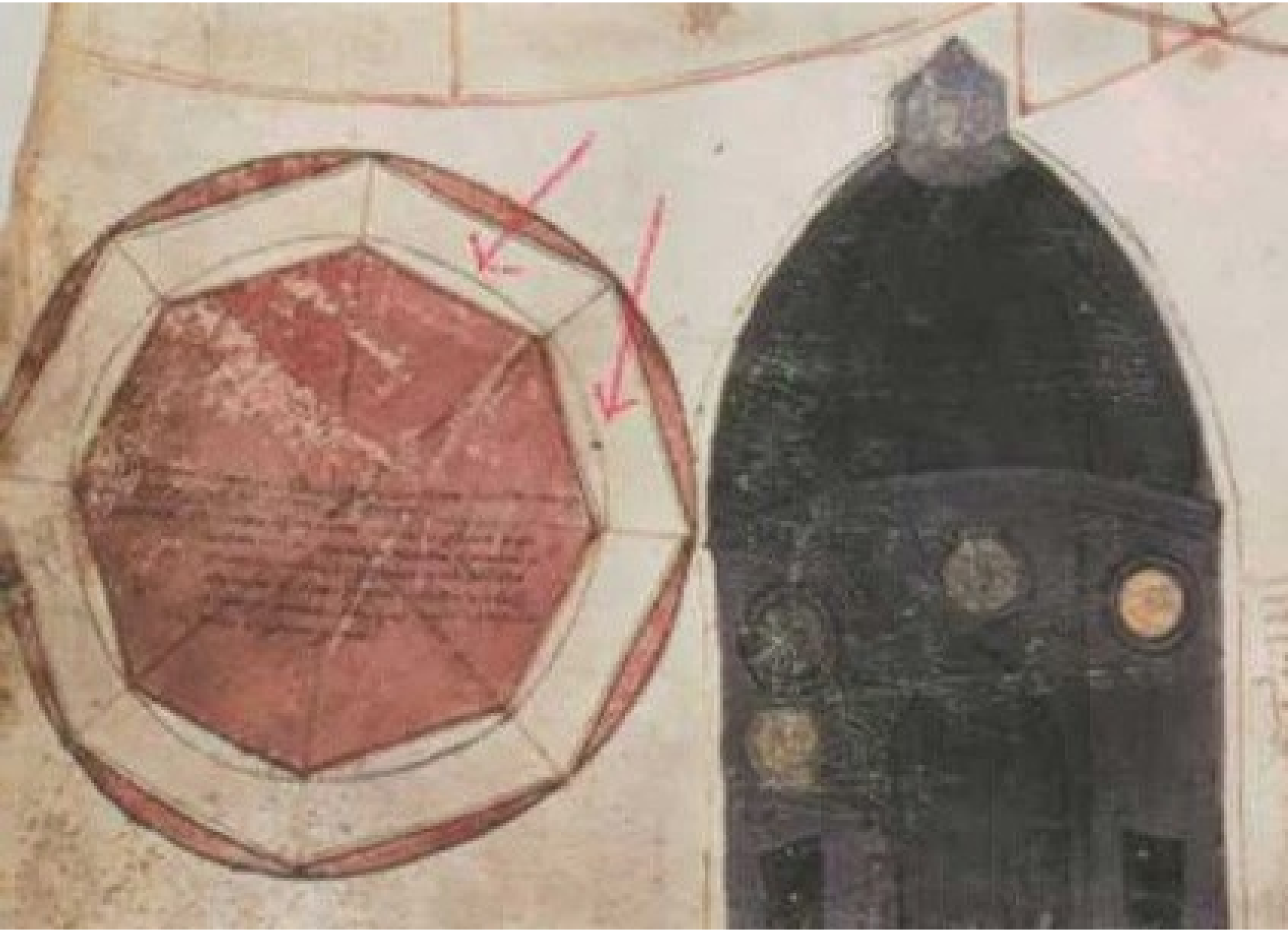

54.4°
60.0
a
b
f/R = 15.24%
Hmin* = 19.00% of total weight of the arch
(c)
Span increase = 11.45%
Thrust increase = 85.10%

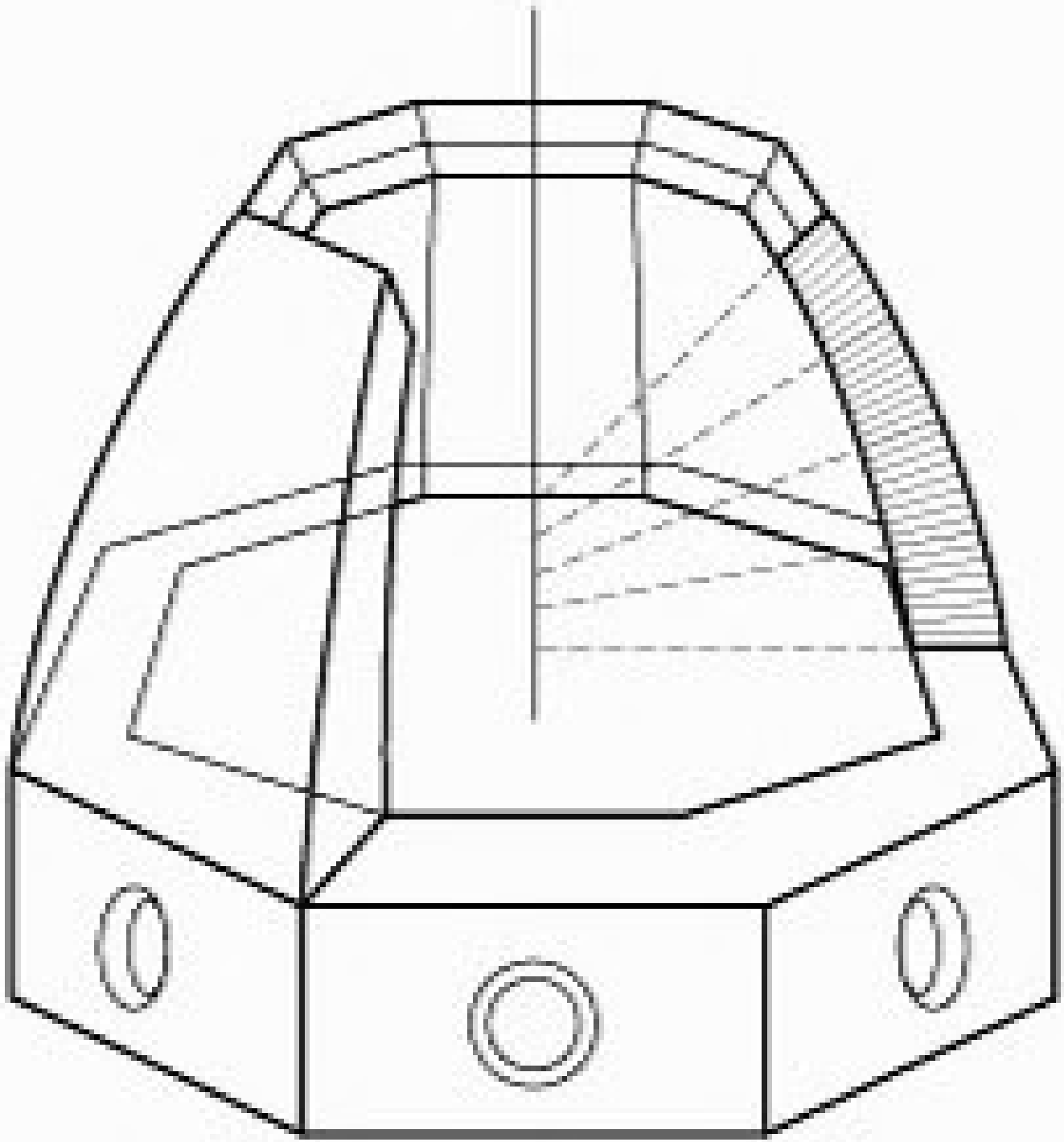

K.456.000

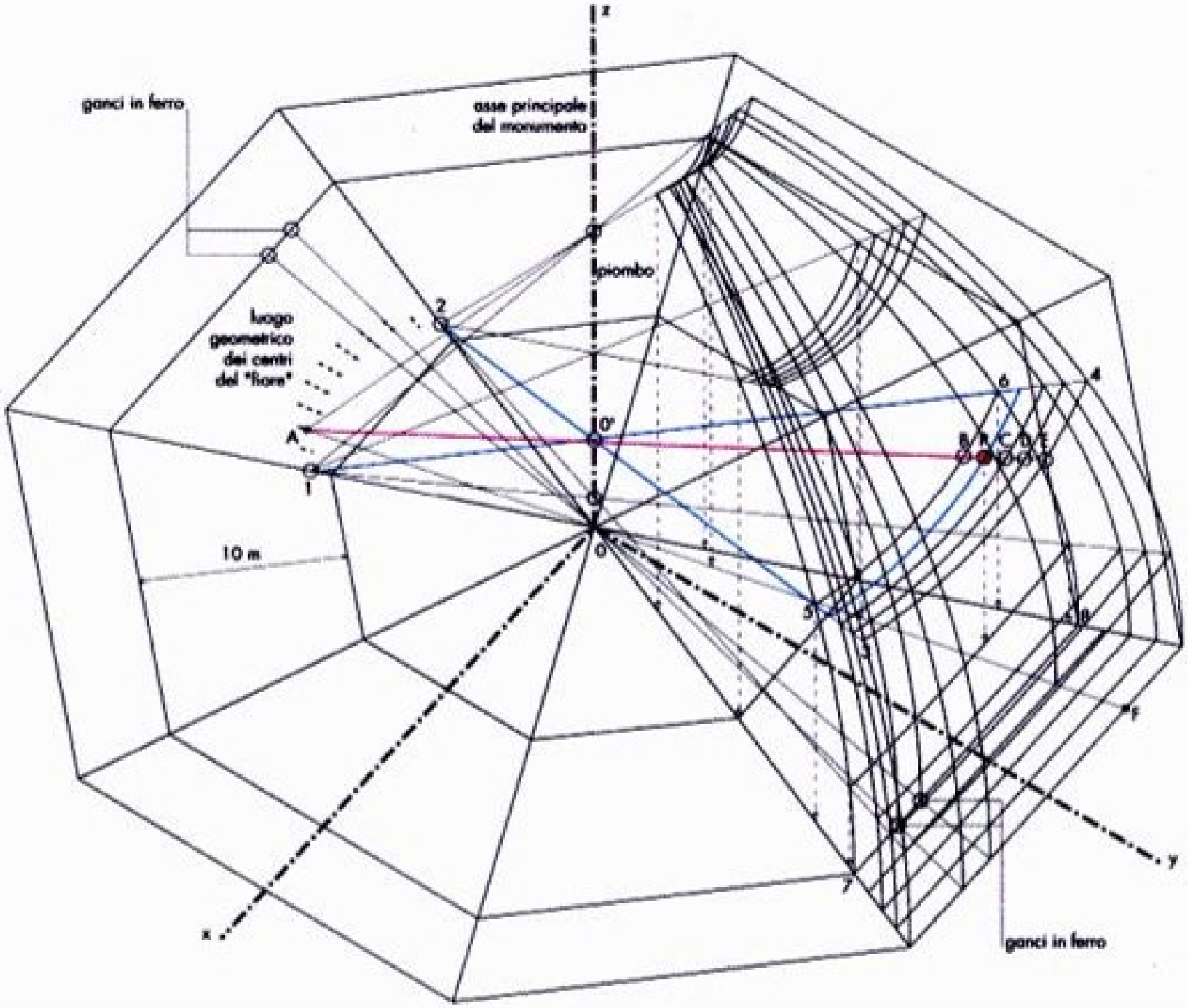

A
B
C
D
S

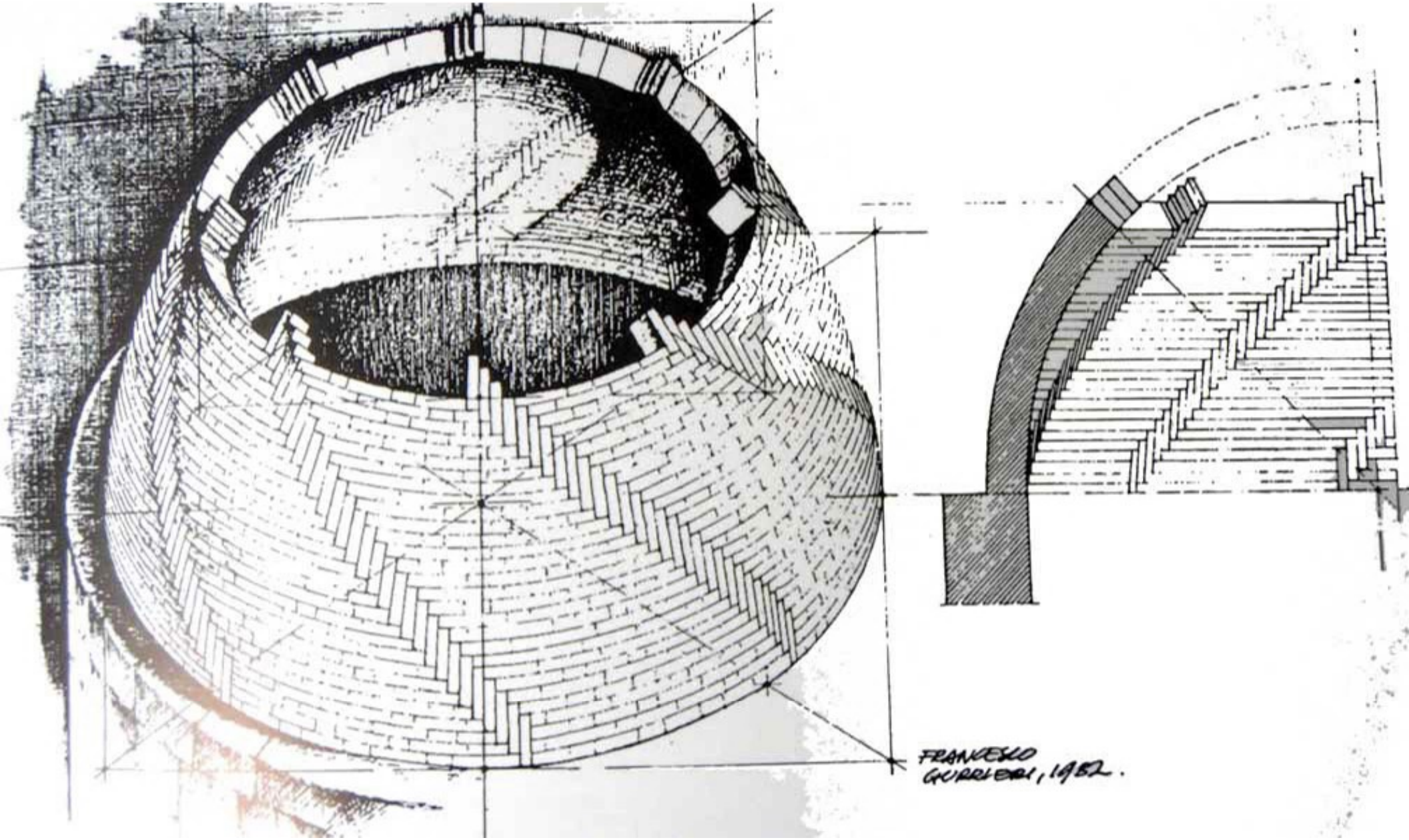

A
B
C
D
S

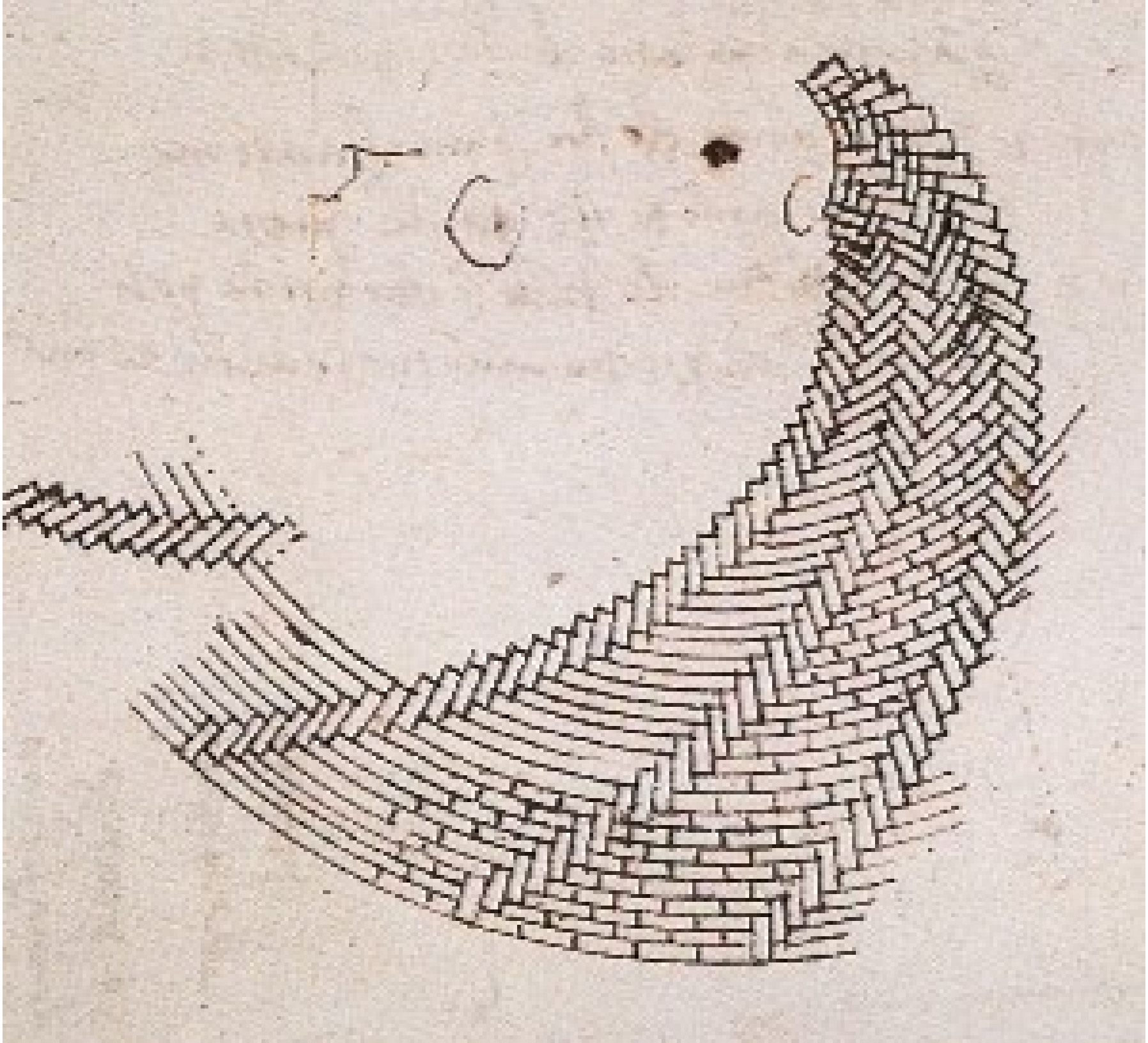

contrefort
arc-boutant



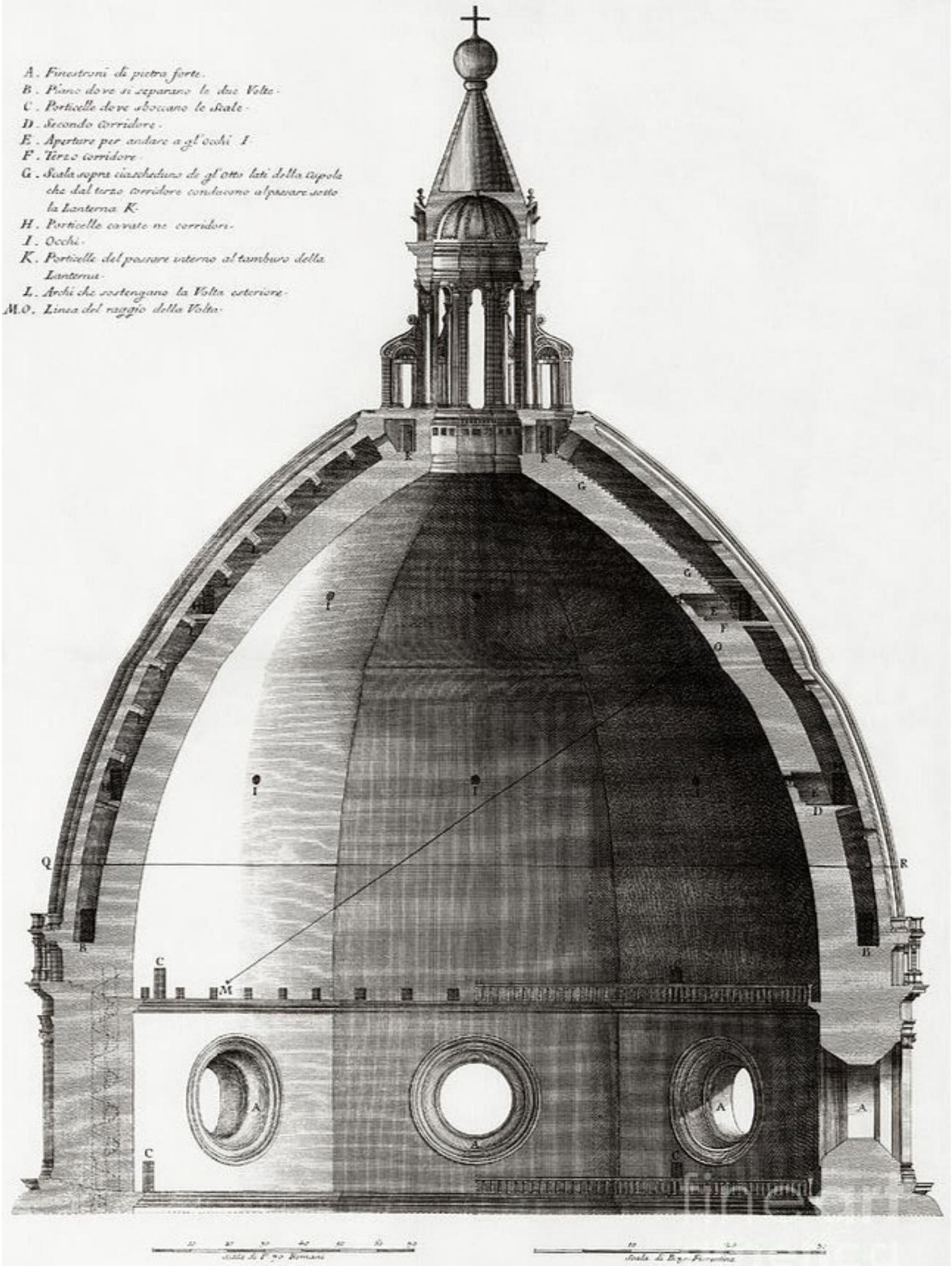



z
ganci in ferro
asse principale del monumento
piombo
luogo geometrico dei centri del "fiore"
A
1
2
10'
10 m
x
y
ganci in ferro

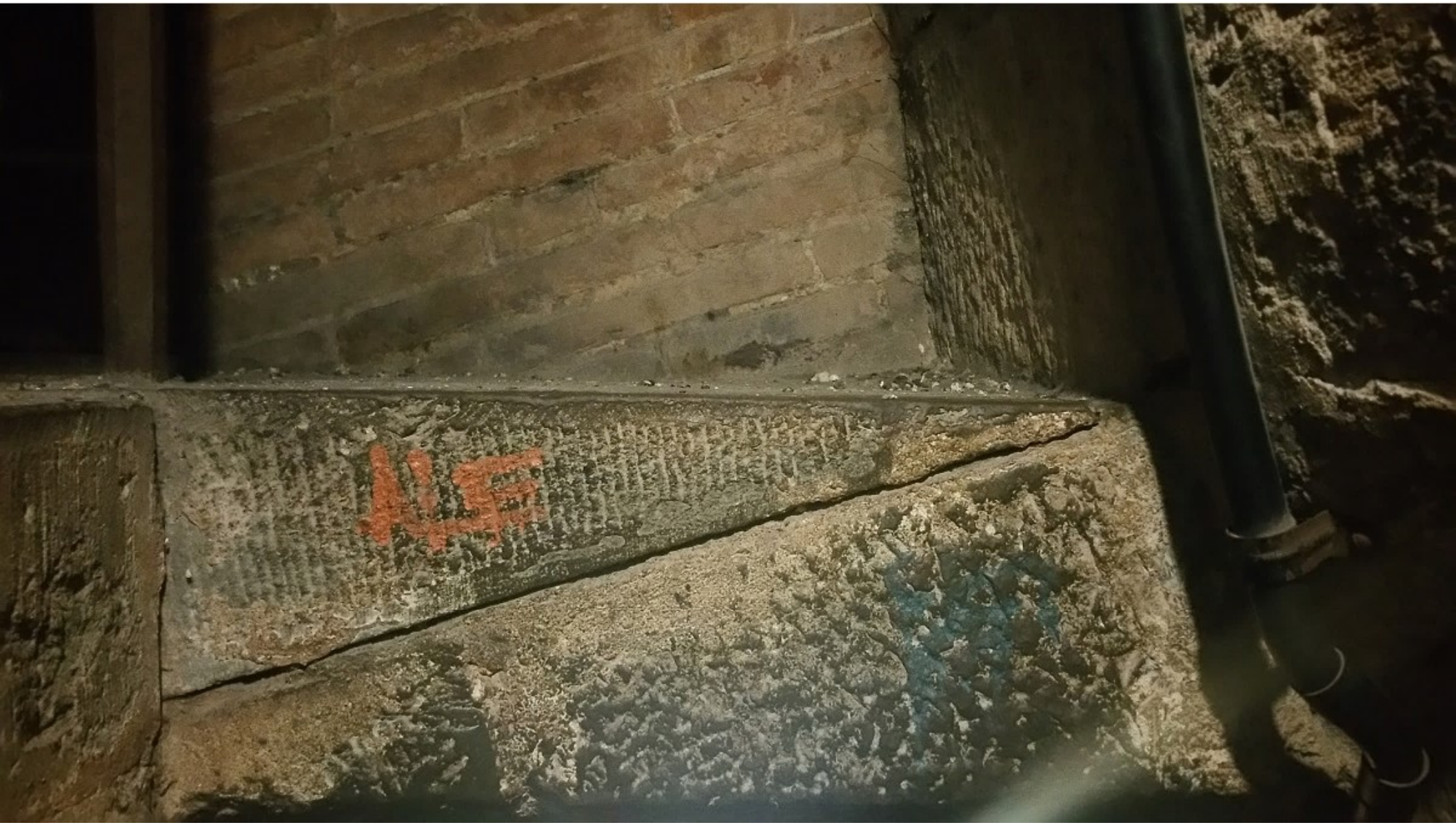

FRANCESCO
GURRIERI, 1982.



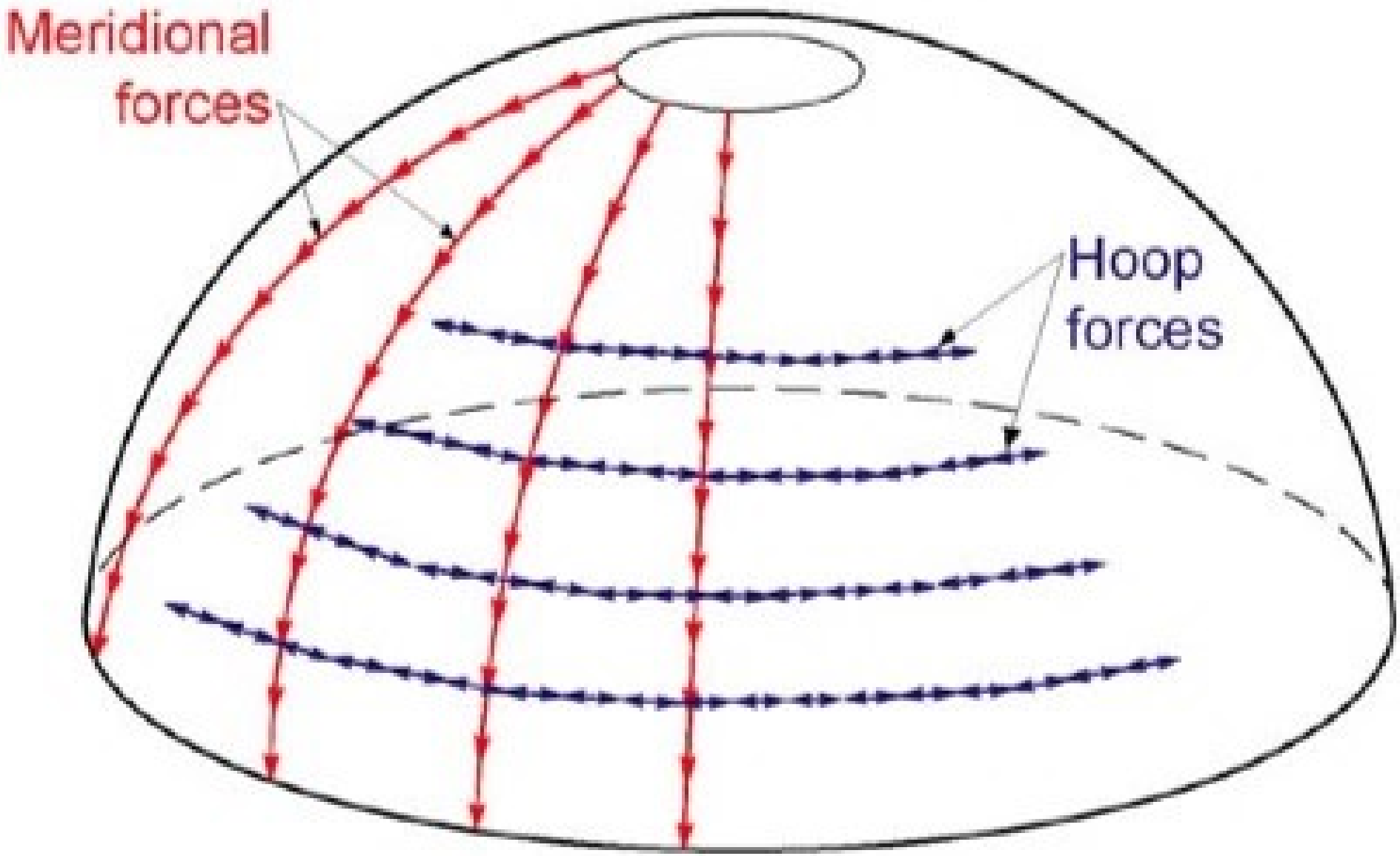
A. Finestroni di pietra forte.
B. Piano dove si separano le due Volte.
C. Porticelle dove sboccano le Scale.
D. Secondo Corridore.
E. Aperture per andare a gl'occhi I.
F. Terzo corridore.
G. Scala sopra ciascheduno de gl'otto lati della Cupola che dal terzo corridore conducono al posare sotto la Lanterna K.
H. Porticelle cavate ne corridori.
I. Occhi.
K. Porticelle del posare esterno al tamburo della Lanterna.
L. Archi che sostengano la Volta esteriore.
M.O. Linea del raggio della Volta.



Taglio del Tamburo, e Cupola con Sua Lanterna


NF


SWEDEN
M.M
LE CLIMAX
MCMLV


Meridional
forces
Hoop
forces

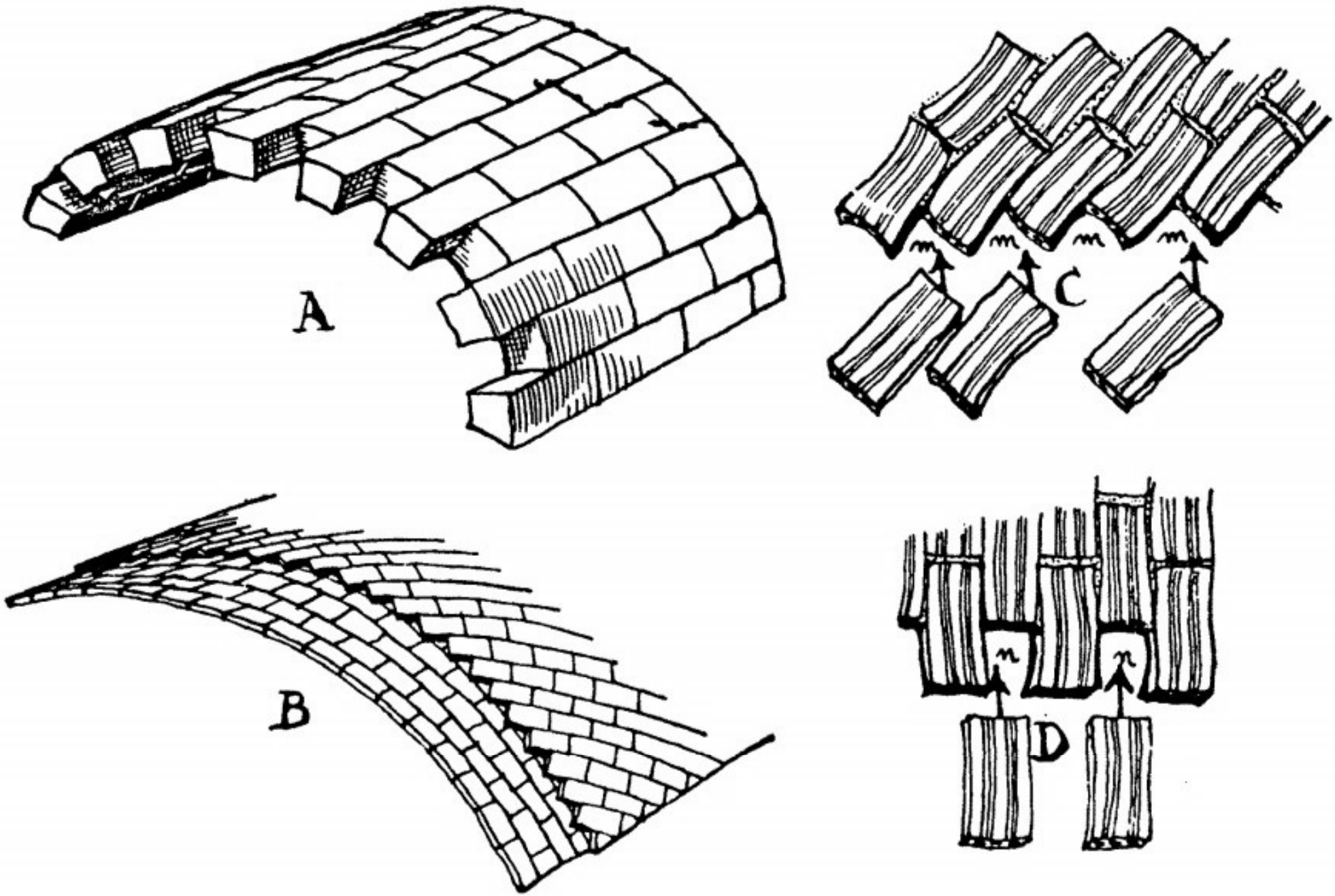


Fig. 1. Stone vs. tile vaults (Moya, *Bóvedas tabicadas*).

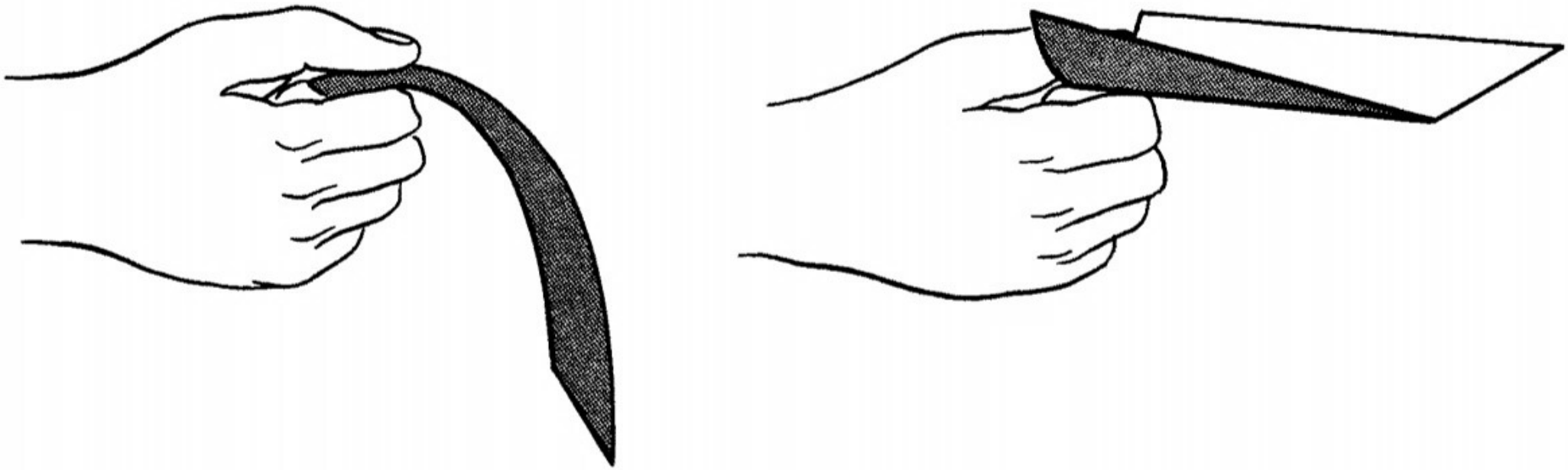
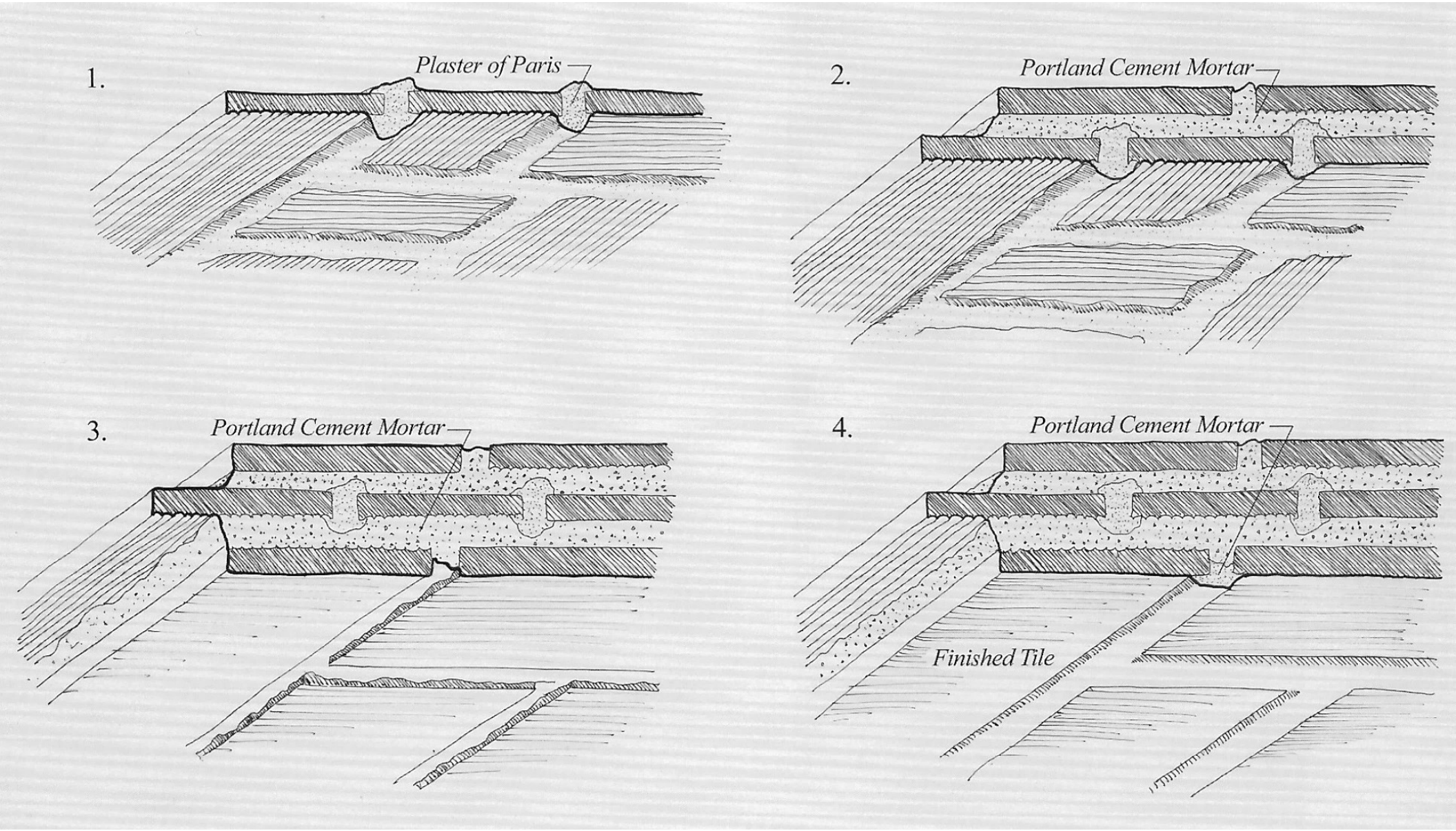
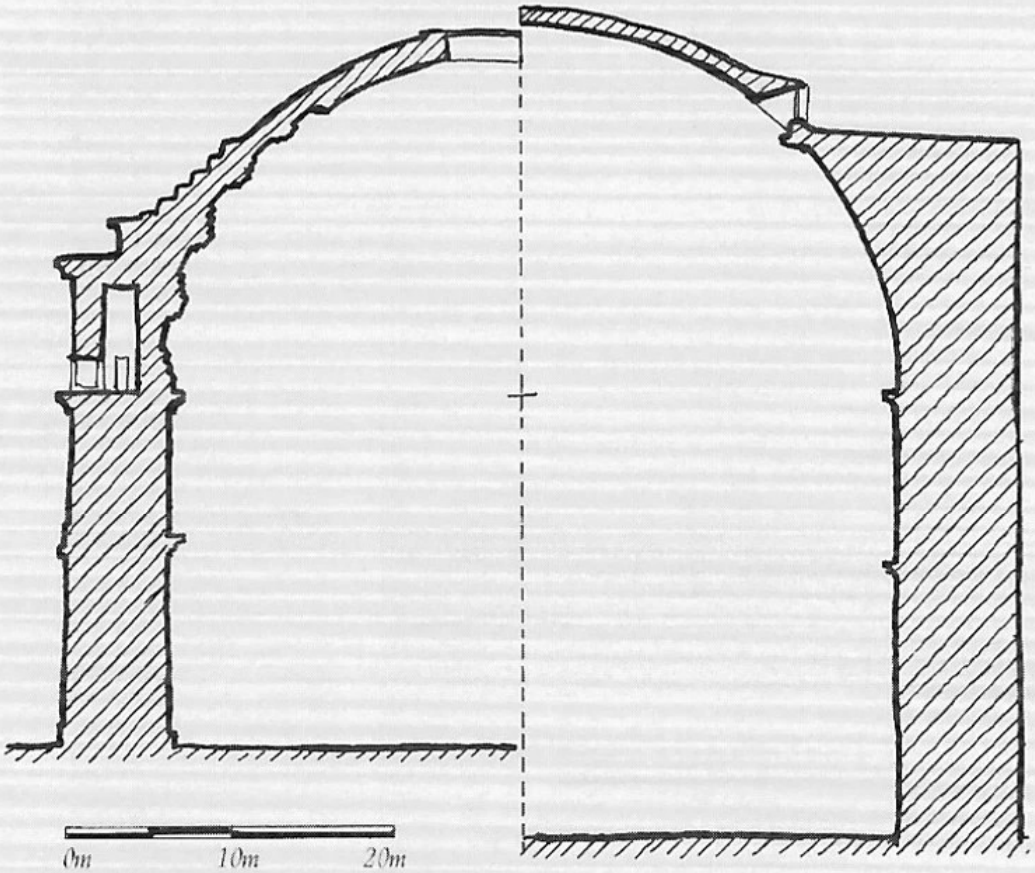


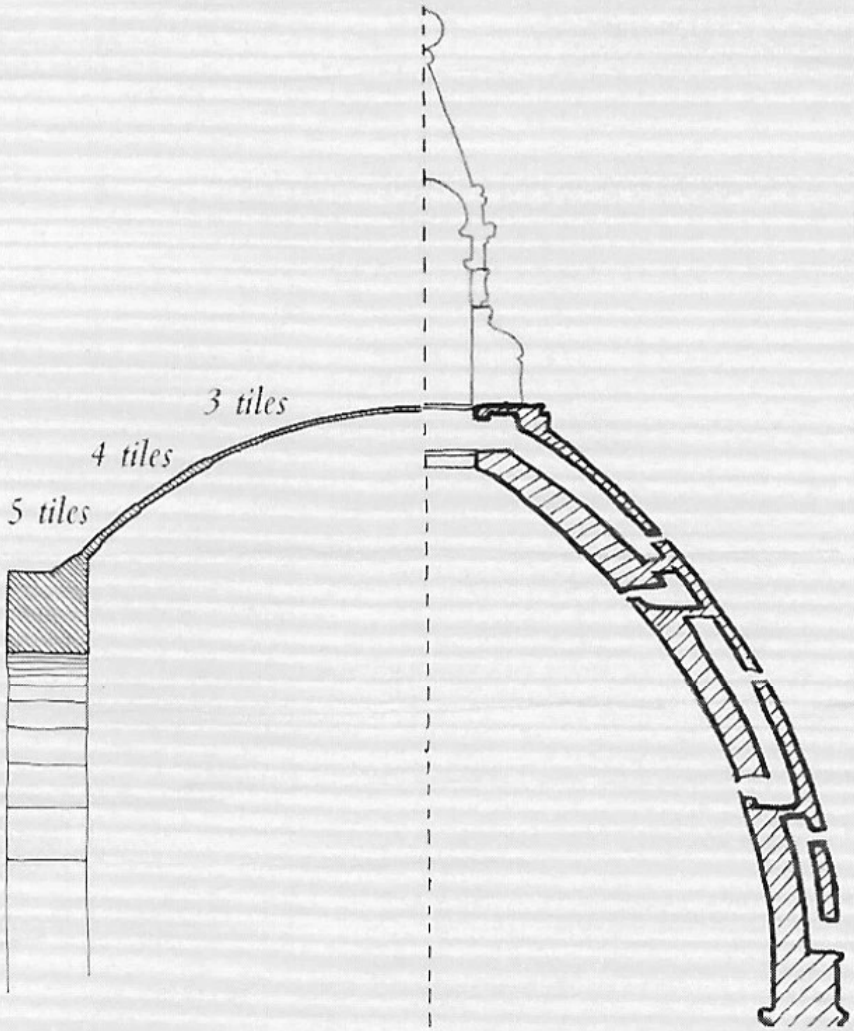
Fig. 2. A surface (paper), unable to support its own weight, can sustain that and more if given a slight curvature (Salvadori & Heller, *Structure in Architecture*, Englewood Cliffs, N. J., 1963).


1.
Plaster of Paris
2.
Portland Cement Mortar
3.
Portland Cement Mortar
4.
Portland Cement Mortar
Finished Tile



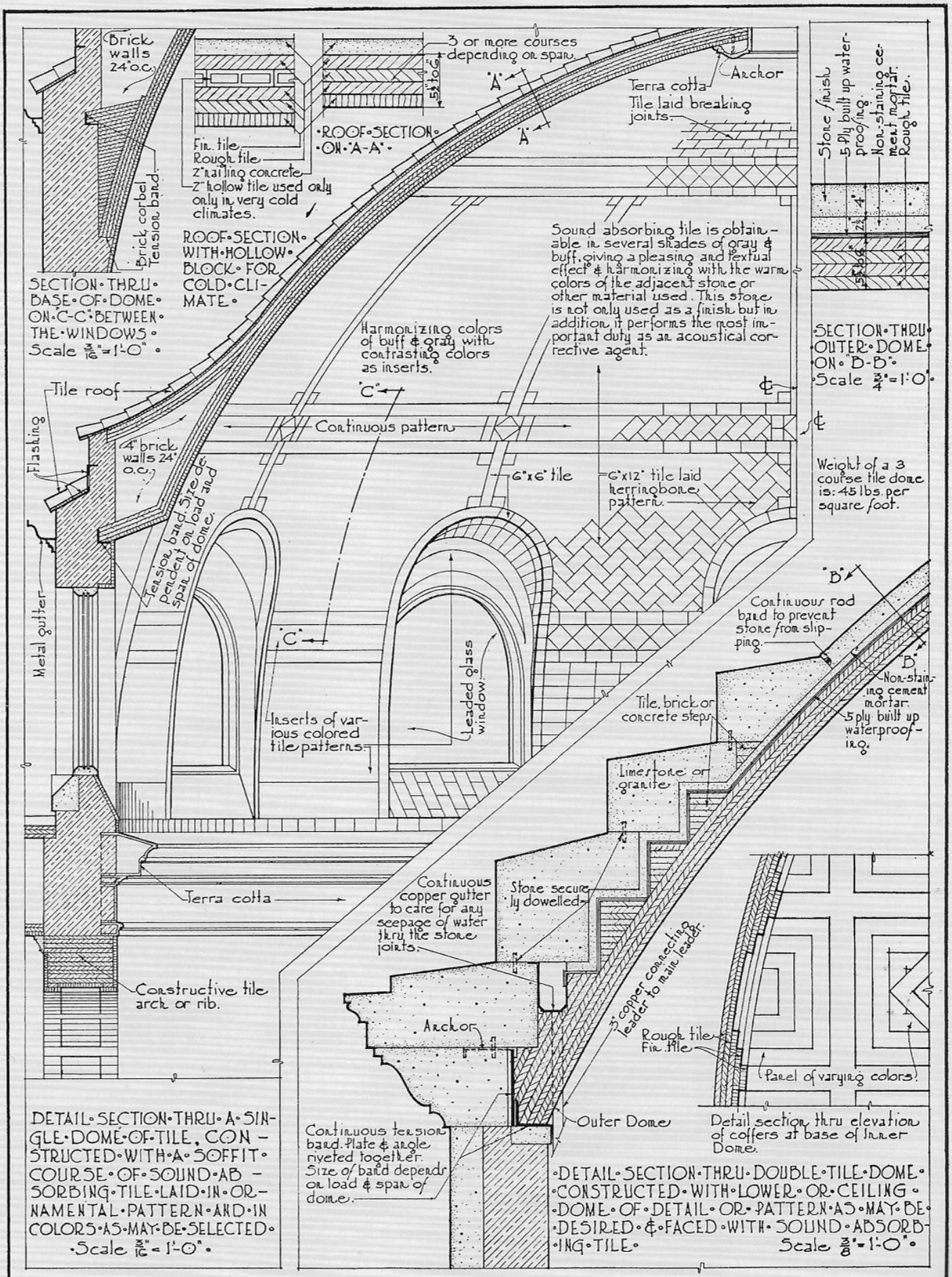
Pantheon (Rome)

Hagia Sophia



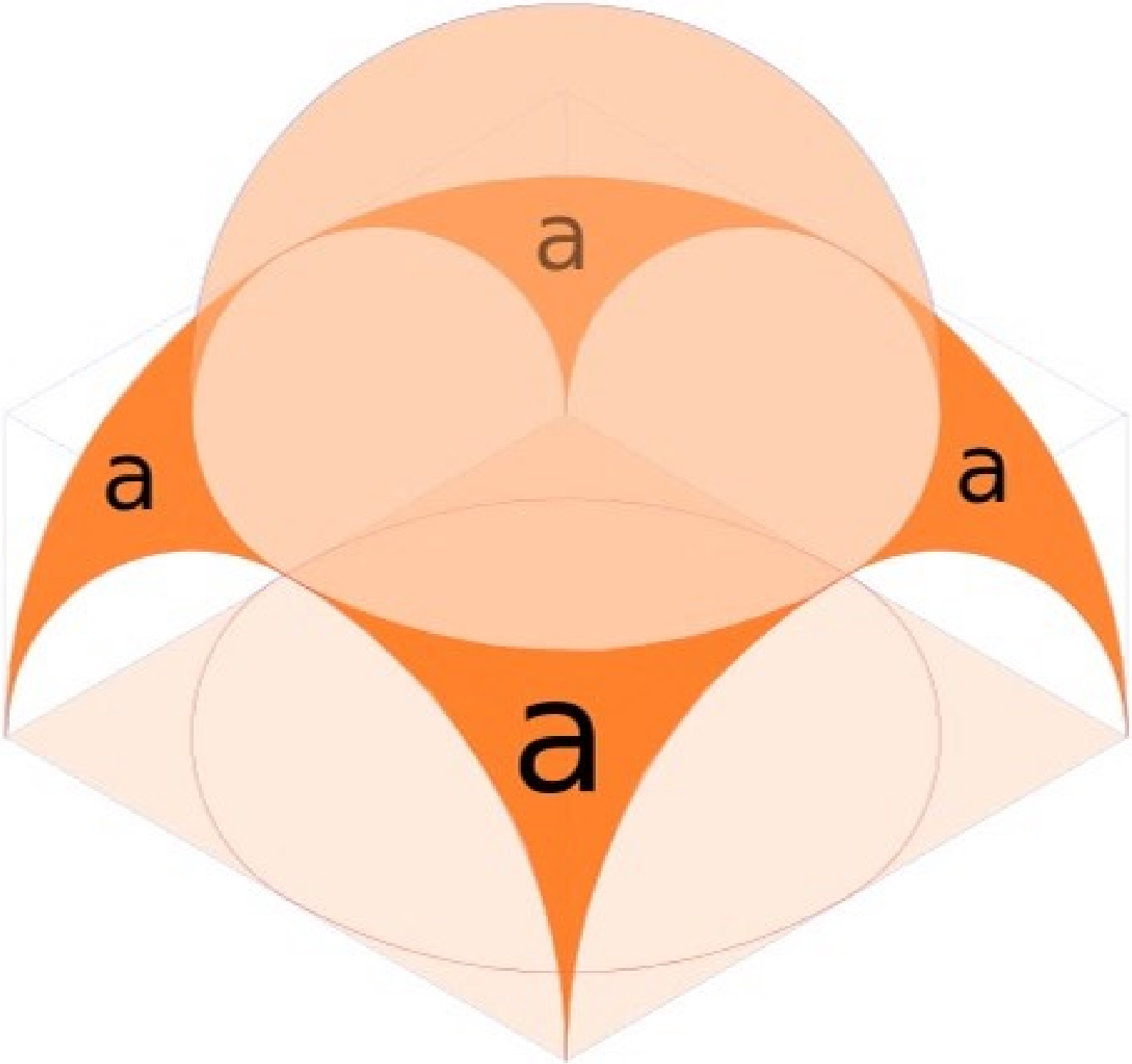
St. John the Divine

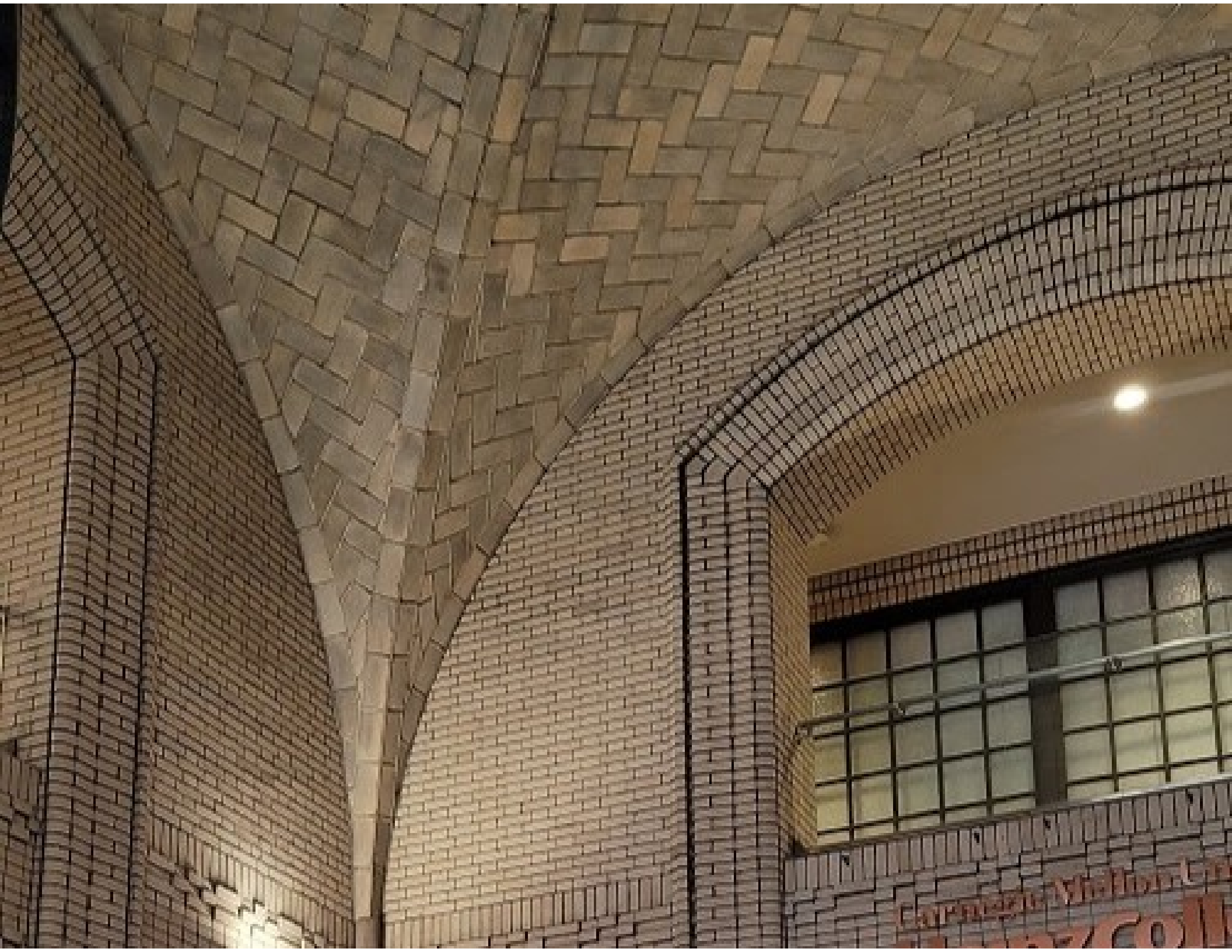
Florence Cathedral



R. Guastavino Company

FACTORY WOBURN, MASS — New York — Boston — DETAIL SHEET


a
a
a
a




EXIT