Αρχιτεκτονικός Σχεδιασμός και Βιωσιμότητα

Έργα του Γραφείου Μελετών Α. Ν. Τομπάζη

Γιάννης Ρωμάνος
αρχιτέκτων

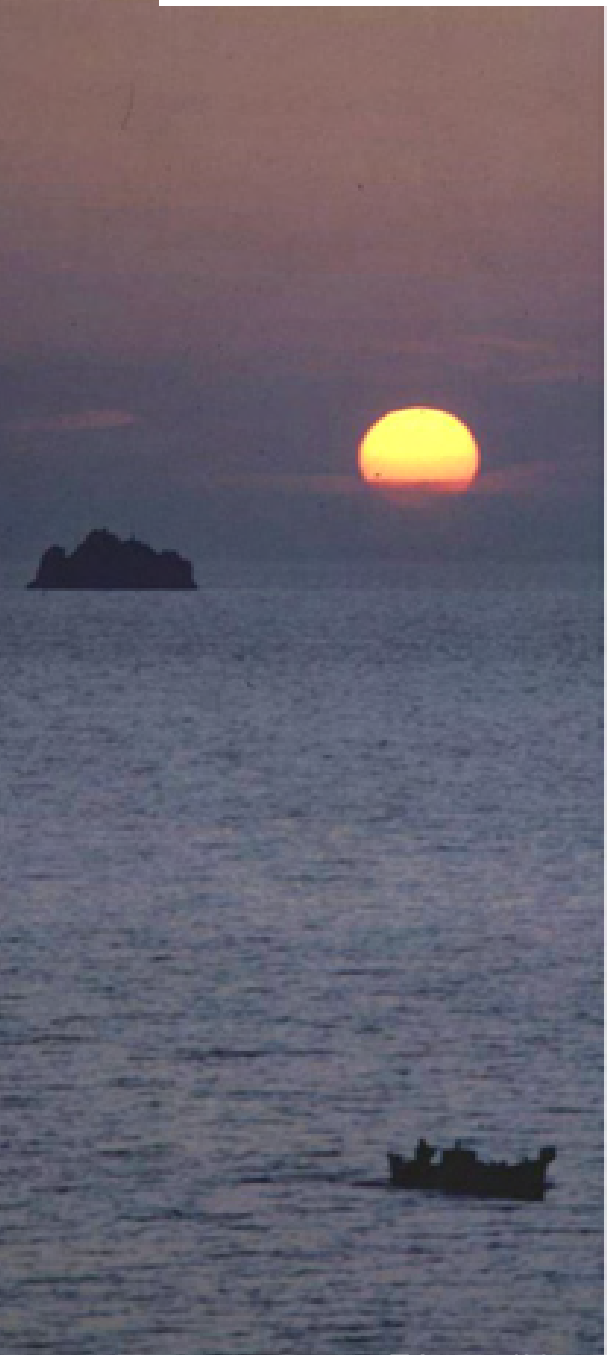
Κτίριο - Ζωντανός οργανισμός

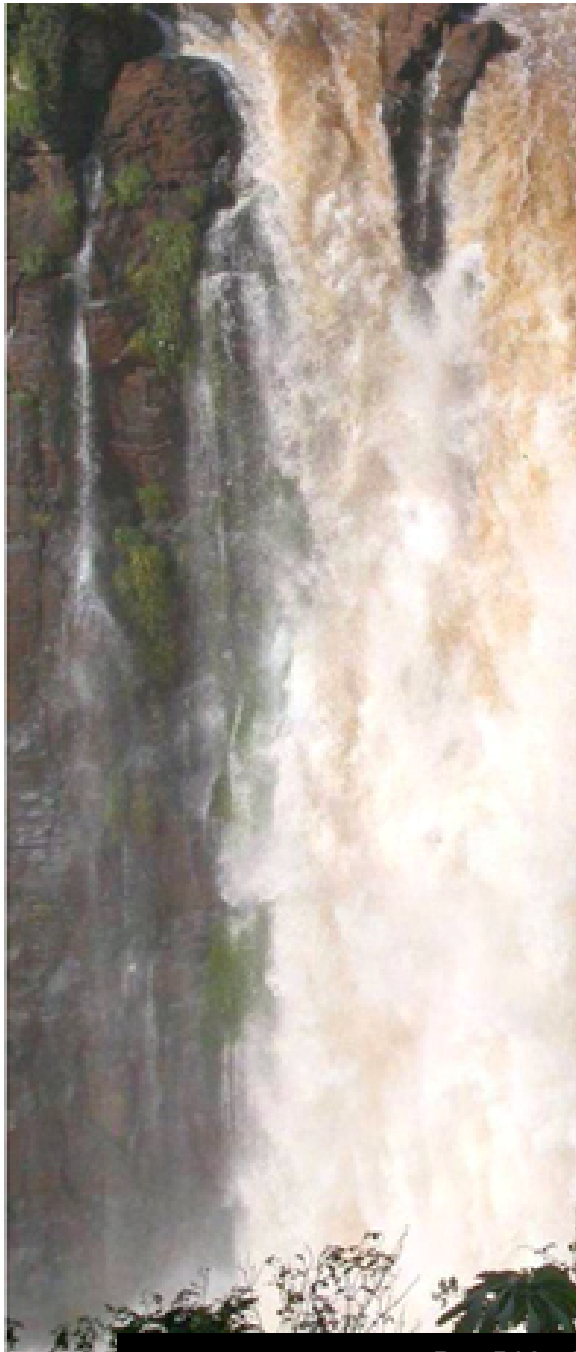
Σκοπό

•Ηπια ένταξη του κτιρίου στο φυσικό περιβάλλο

•Ανεση των χρηστών μέσα στα κτίρι

Φυσικές πηγές ενέργεια





Τεχνητές πηγές ενέργεια

e Lighting field 1977
uquerque, New Mexico

Koboyashi house, Japan 1

Rio 9/93

e Corbusier

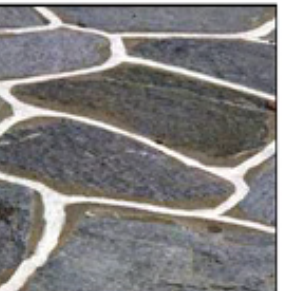
etch of the ‘redeeming section’ control of solar heat by the
ape of the building

Ισορροπί

•Δεδομένο φυσικό περιβάλλο

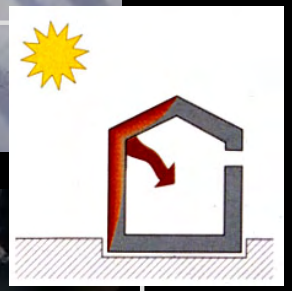
•Τεχνητά δομημένο περιβάλλο

Υλικ



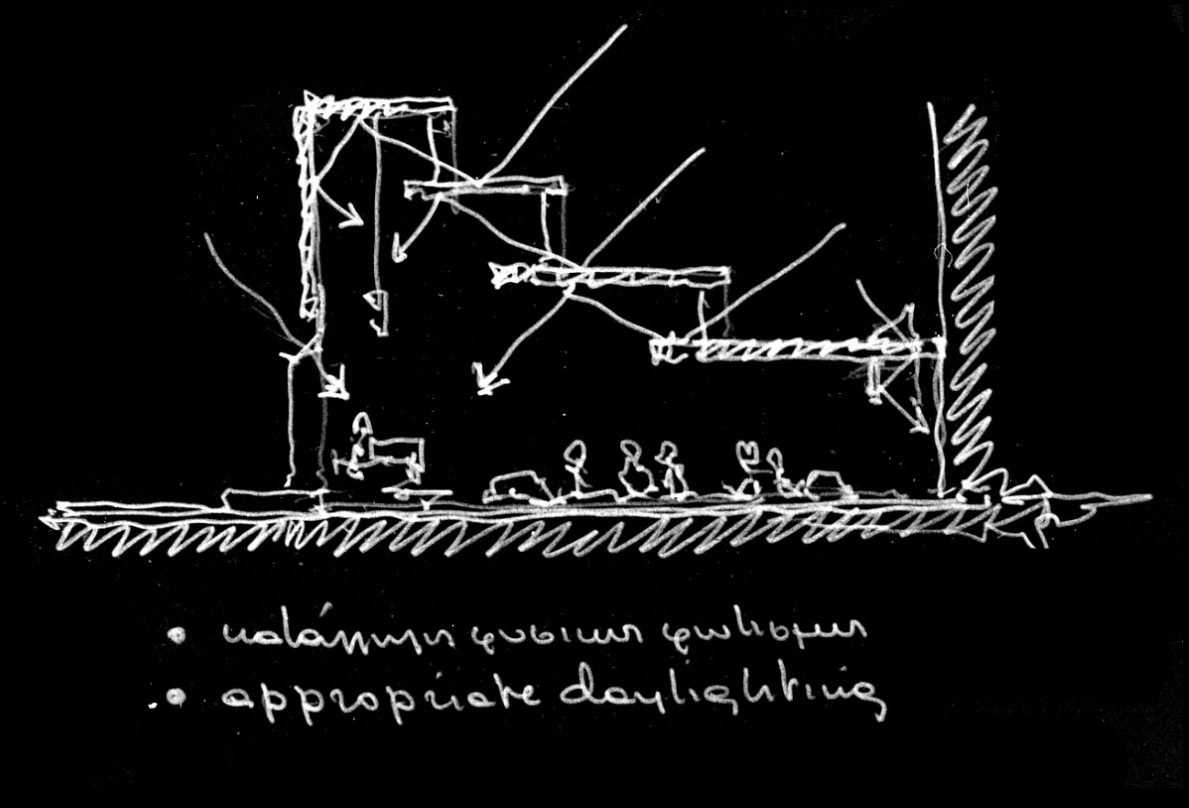
Μάζ
Θερμομόνωσ

Zomeworks, Skylid 7/79

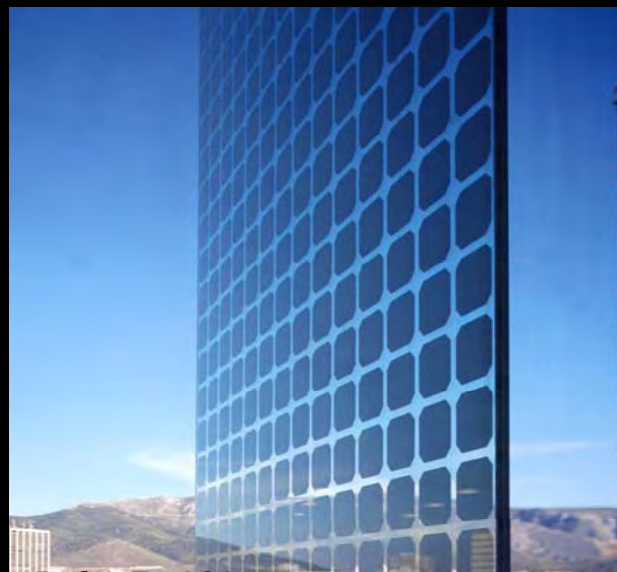


Zomeworks, Nightwall 7/79

Γυαλί - Διαφάνει



Reberger Tobias sevenends of the world 2



Αίθριο - Ημιυπαίθριος χώρο
Αυλέ

nos Aires, San Telmo,
izo house 9/93

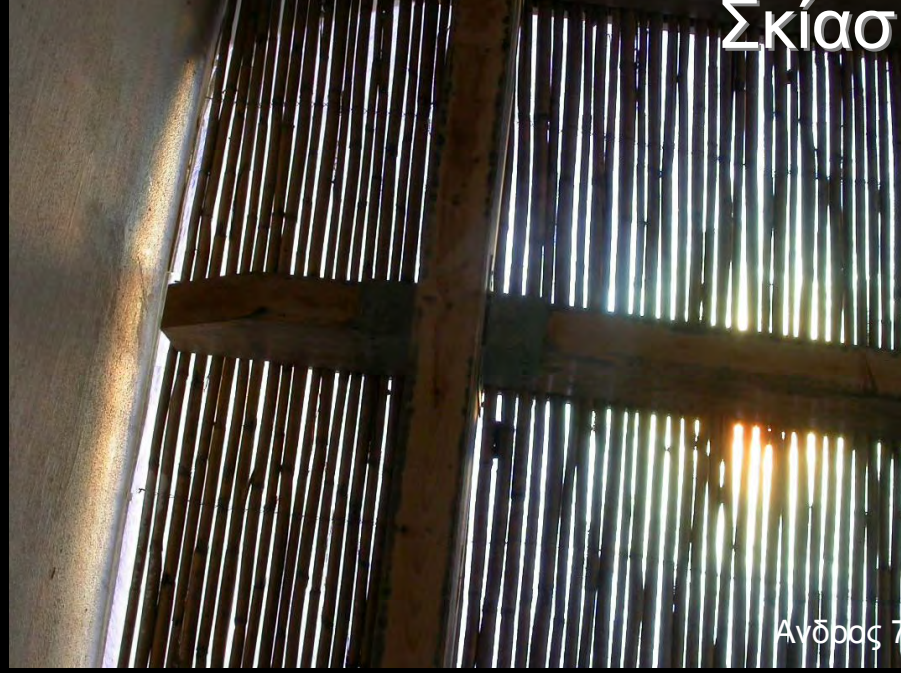
Υδρα 9/94

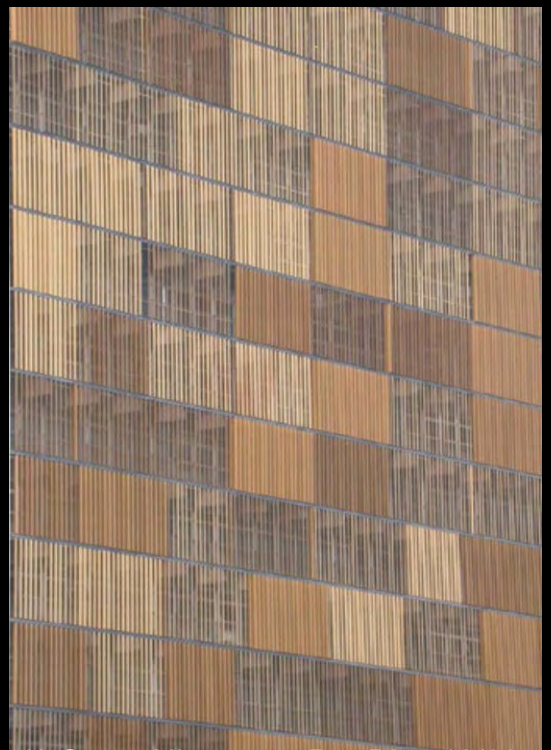
Ξενία 2/04

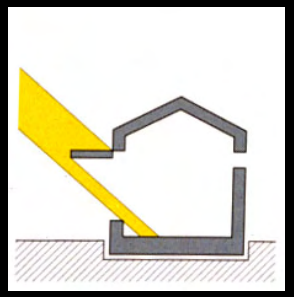
Κτίριο Διοίκησης (1975)

Ανδρος 7/03

Σκίαση







Συλλέκτε

Sandia Lab, Albuque

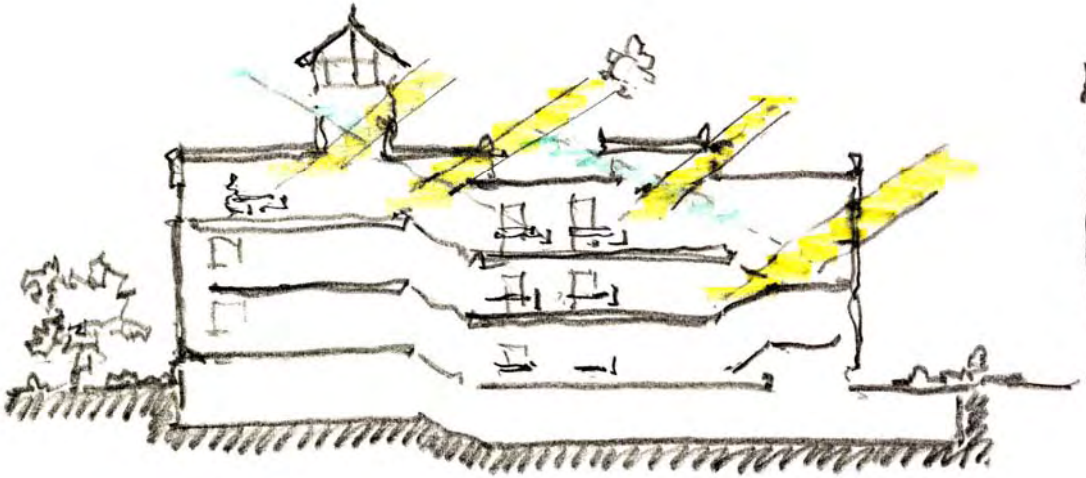
Βιοκλιματικές εφαρμογές

ΣΥΓΚΡΟΤΗΜΑ ΚΤΙΡΙΩΝ ΓΡΑΦΕΙΩΝ

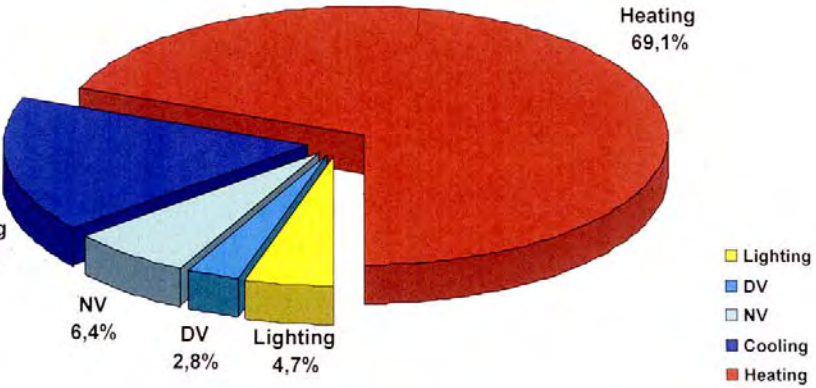
Πολύδροσο Αμαρουσίου

Μελέτη: 1990, 1994

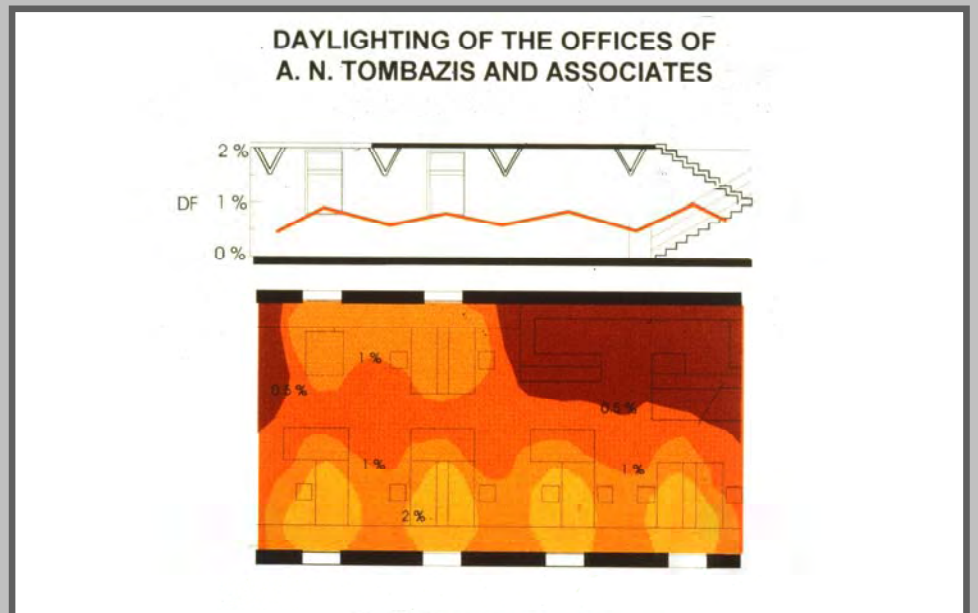
Κατασκευή: 1990-91, 1994



- η ανάπλαση του κοινόχρηστου χώρου
σε ανοικτό μικροπάρκο



PECENTAGE OF ANNUAL ENERGY CONSUMPTION
1998

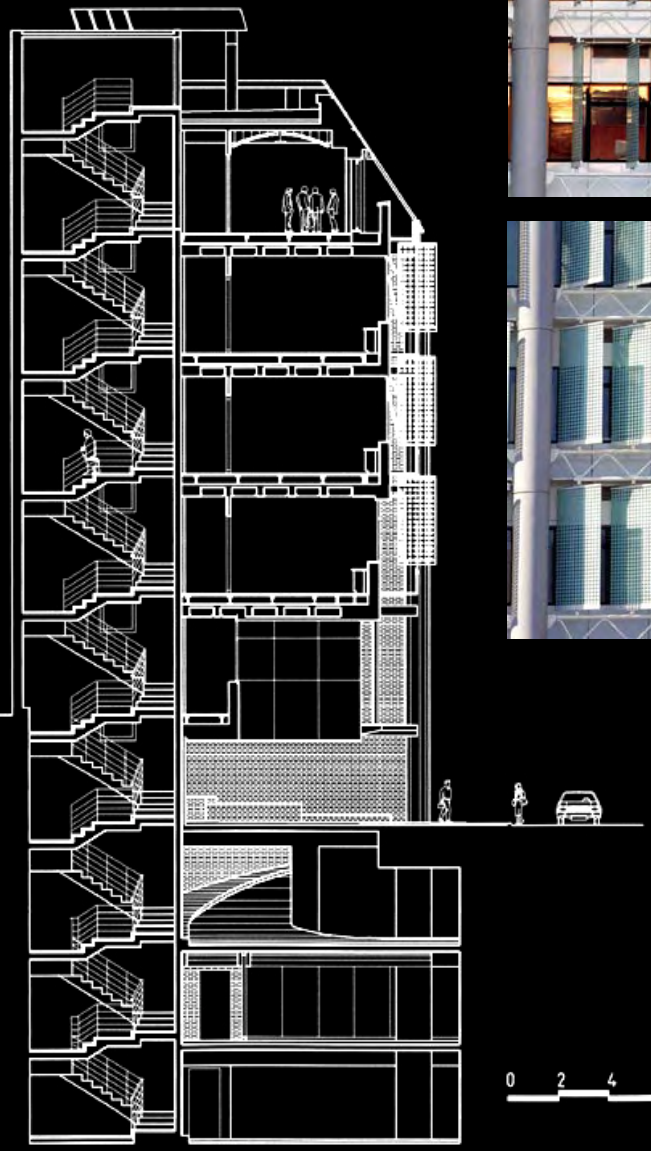


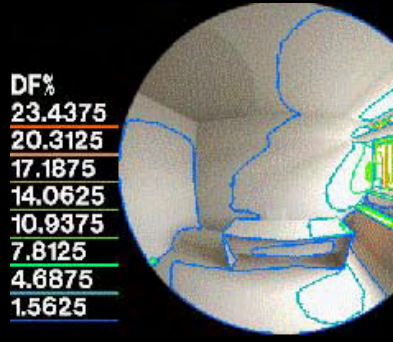
ΚΤΙΡΙΟ ΓΡΑΦΕΙΩΝ για την “ΑΒΑΞ” Α.Ε.

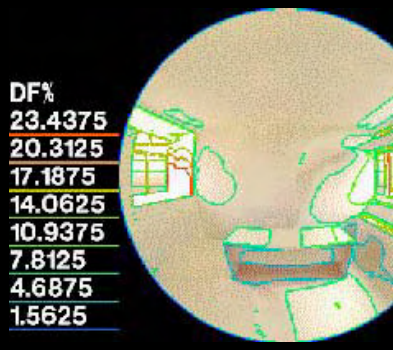
Κόνιαρη 15, Αθήνα

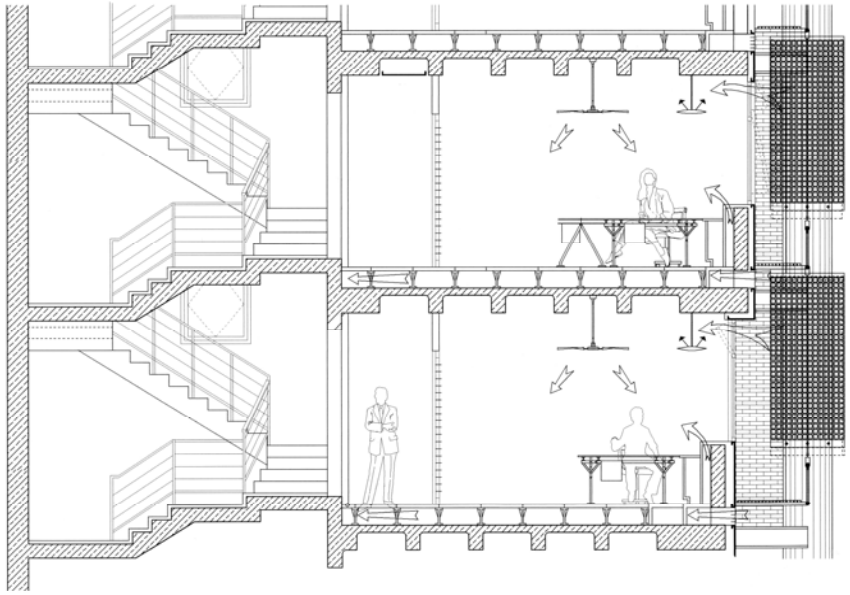
Μελέτη: 1992

Κατασκευή: 1993


0 2 4 6M


DF%
23.4375
20.3125
17.1875
14.0625
10.9375
7.8125
4.6875
1.5625


DF%
23.4375
20.3125
17.1875
14.0625
10.9375
7.8125
4.6875
1.5625



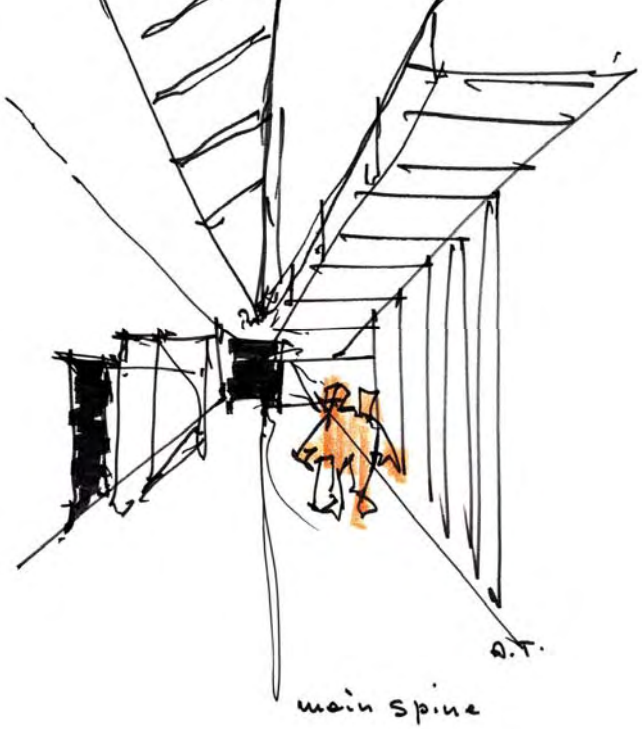
ΕΛΛΗΝΙΚΑ ΔΙΥΛΙΣΤΗΡΙΑ ΑΣΠΡΟΠΥΡΓΟΥ, Κτίριο Διοίκησης

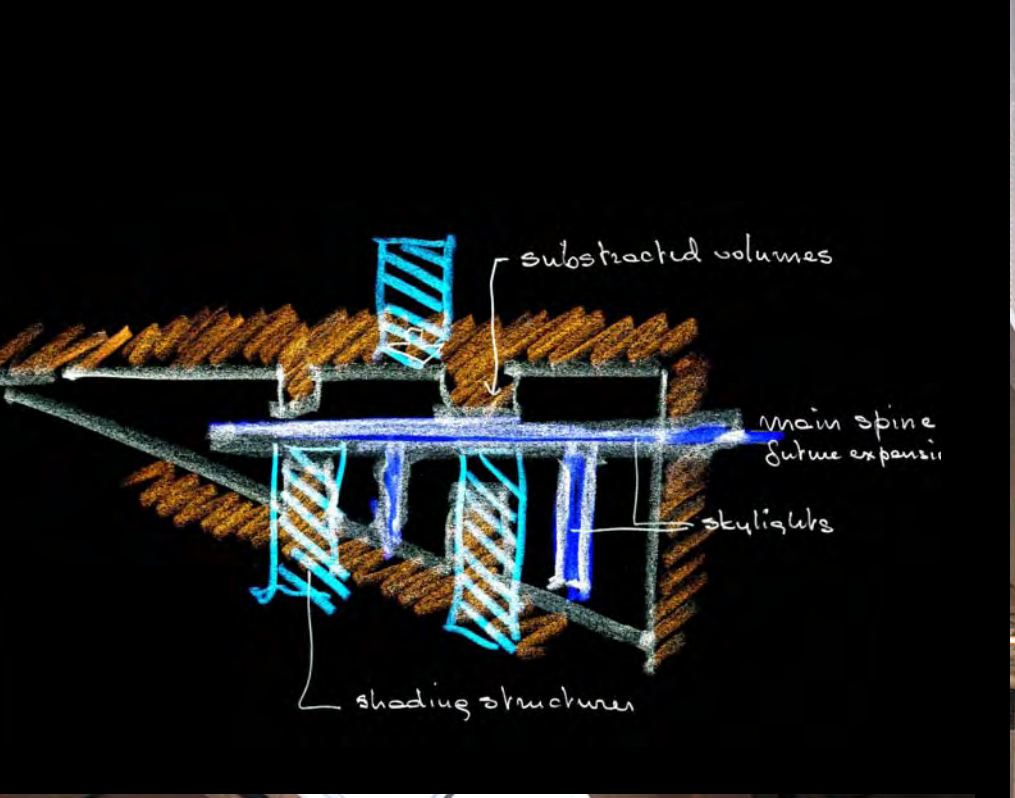
Ασπρόπυργος Αττικής

Μελέτη: 1994

Κατασκευή: 1996-20

AT
exterior atrium


A.T.
main spine


substracted volumes
main spine
future expansi
skylights
shading structures

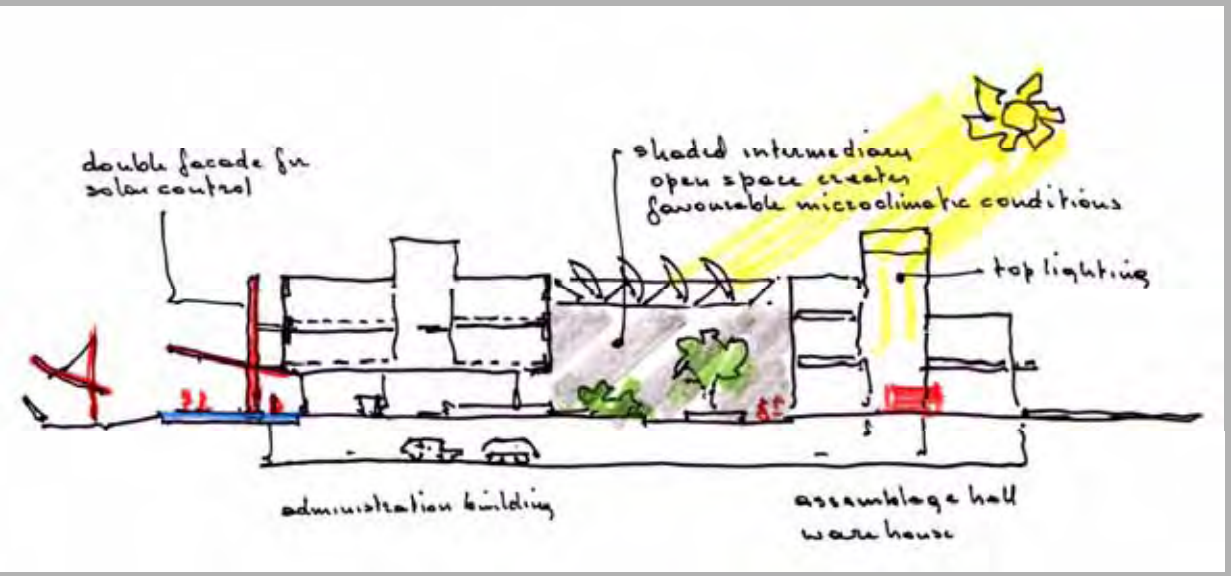
ΕΛΛΗΝΙΚΑ
ΠΕΤΡΕΛΑΙΑ

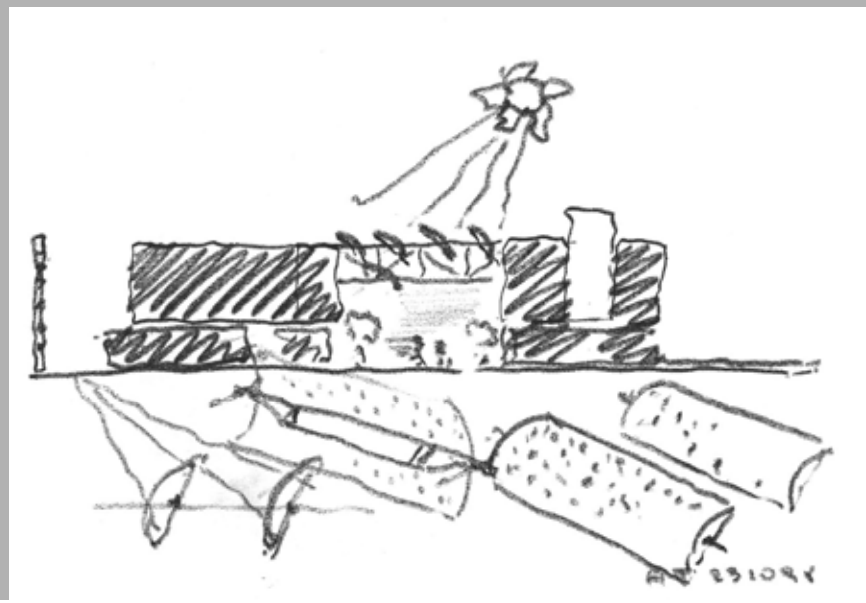
Κτίριο Γραφείων για την “ASEA BROWN BOVERI” (ABB)

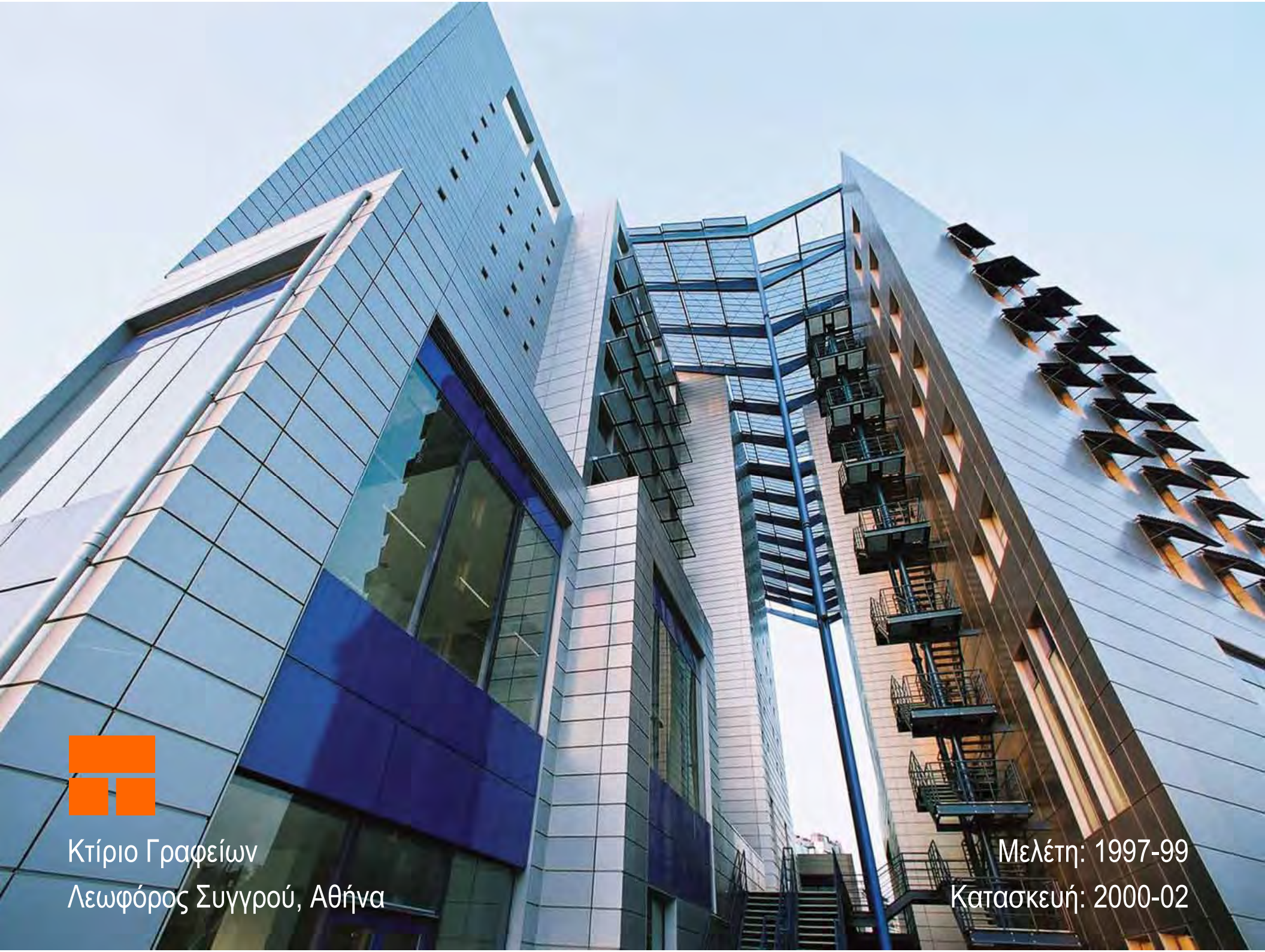
Μεταμόρφωση, Αθήνα

Μελέτη: 1995

Κατασκευή: 1997


double facade for
solar control
shaded intermediary
open space creates
favourable microclimatic conditions
top lighting
administration building
assemblage hall
warehouse





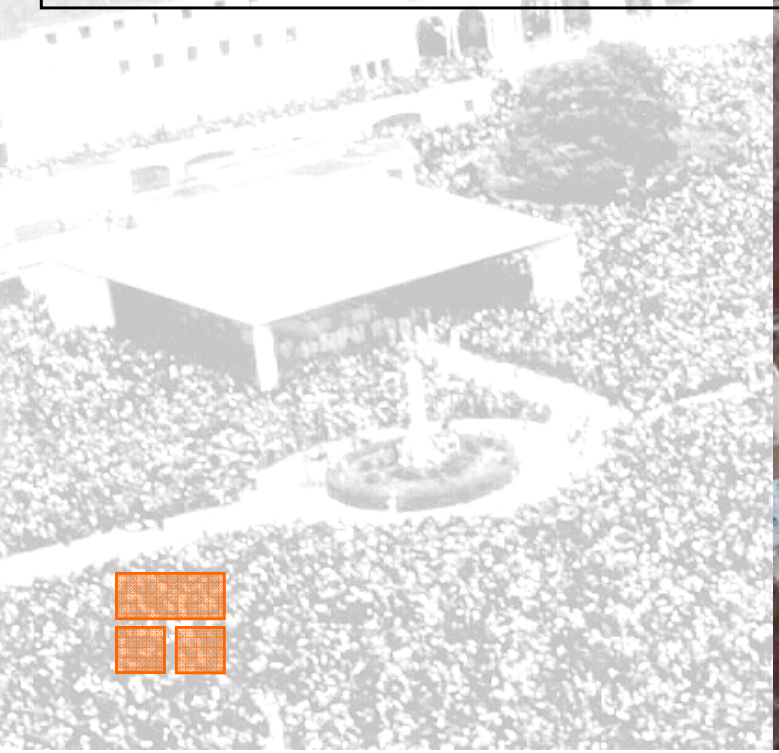
Κτίριο Γραφείων
Λεωφόρος Συγγρού, Αθήνα

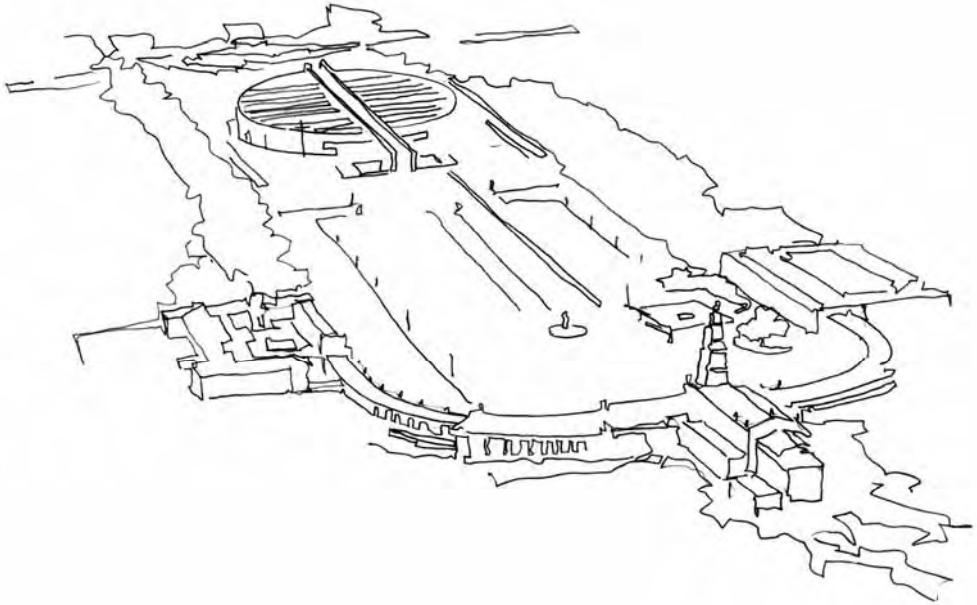
Μελέτη: 1997-99
Κατασκευή: 2000-02

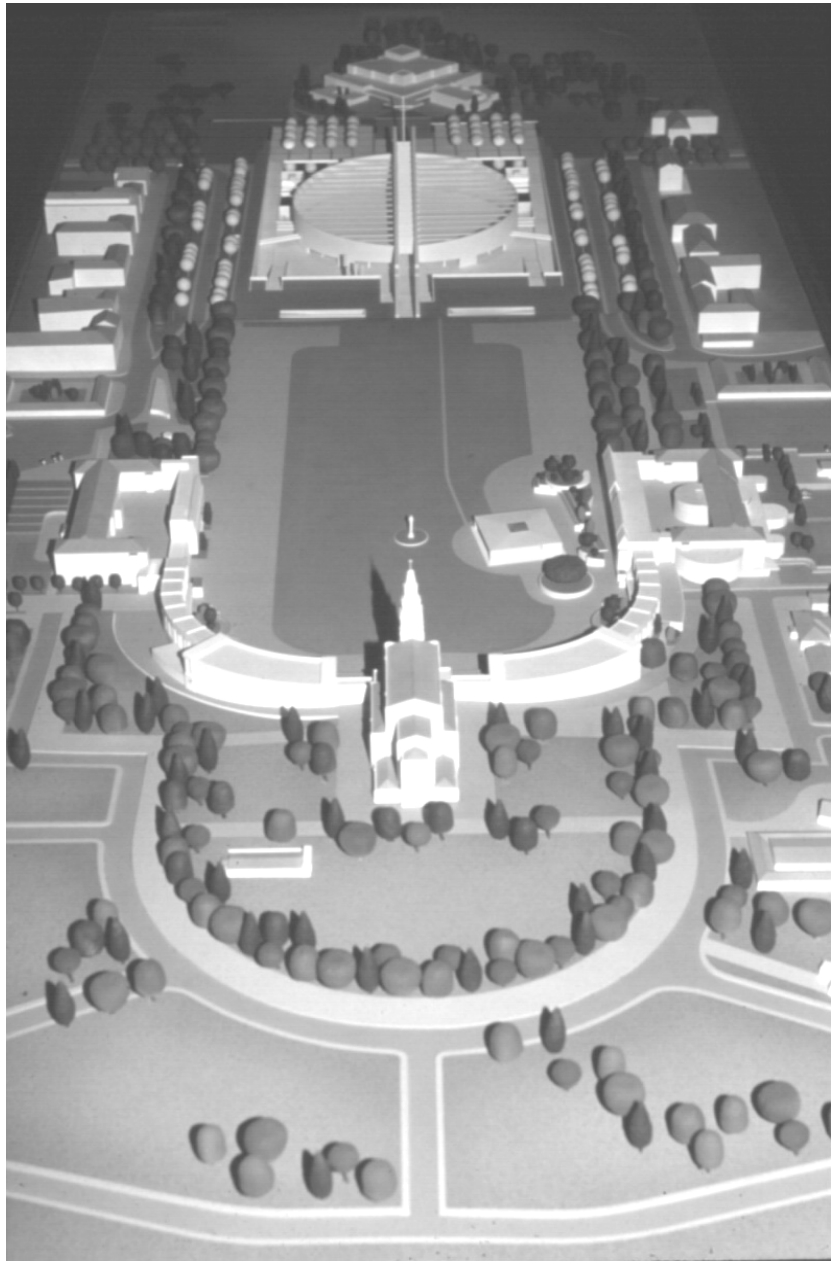
smart

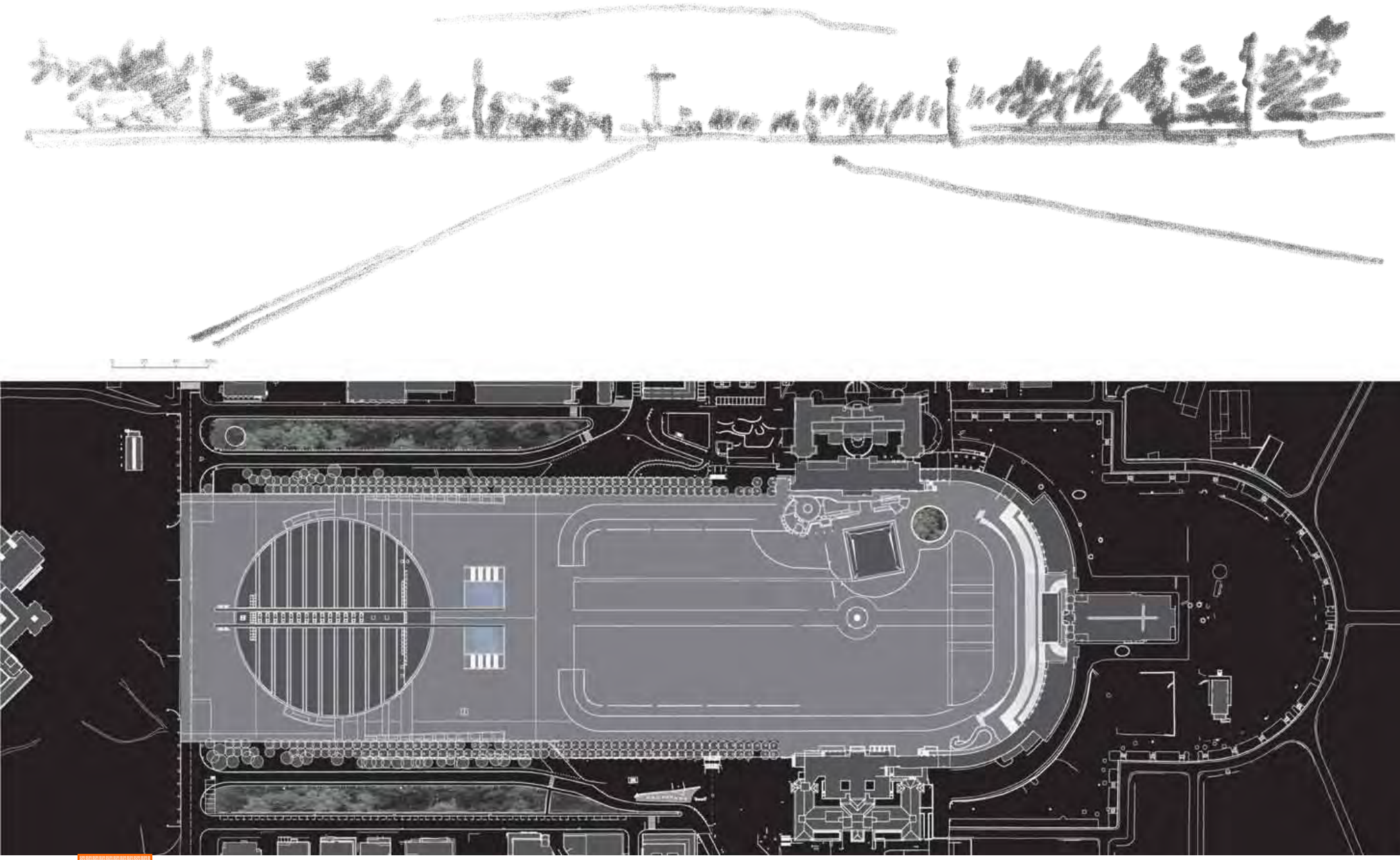
SIZE COMPARISON

JUBILÆUM 2000



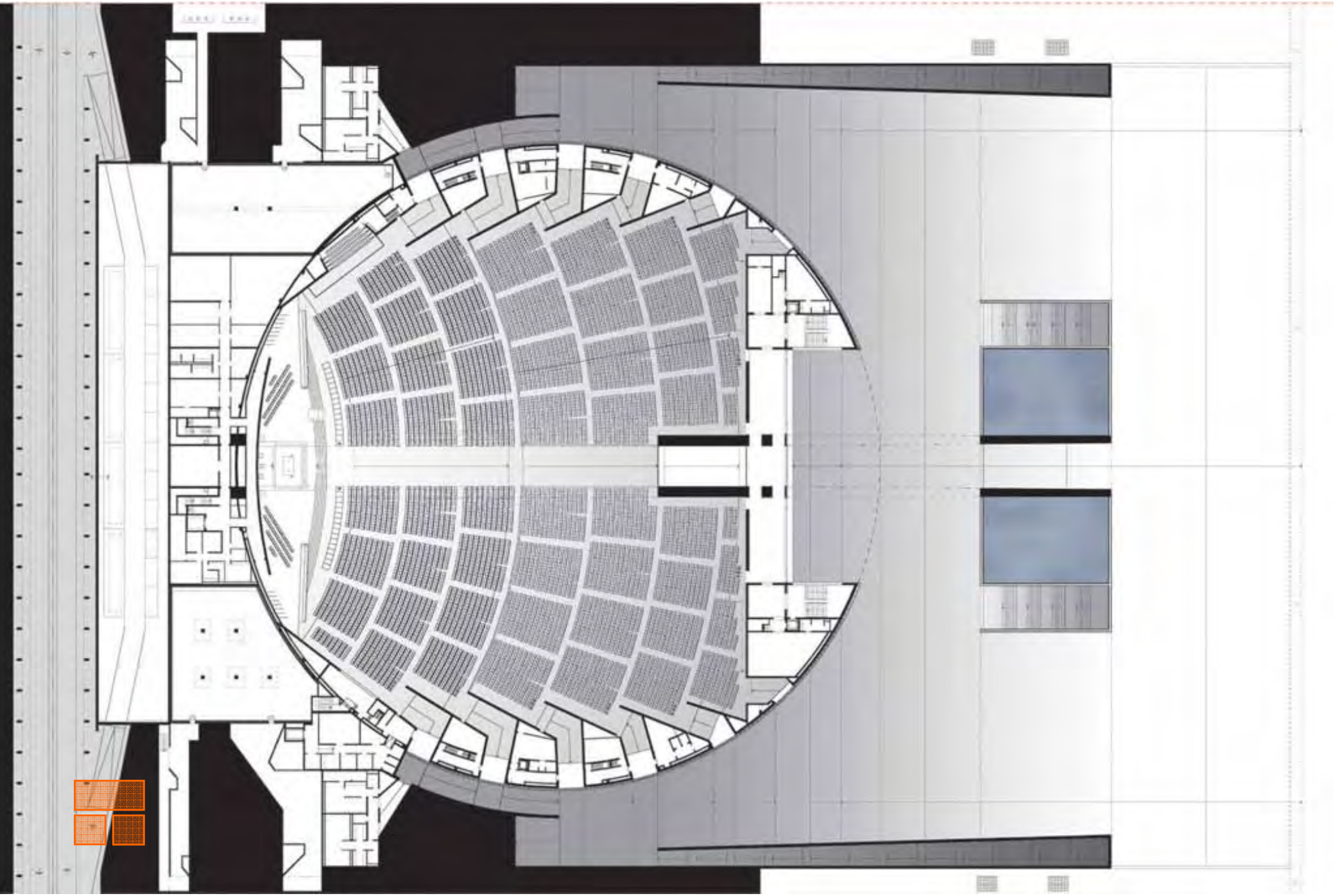






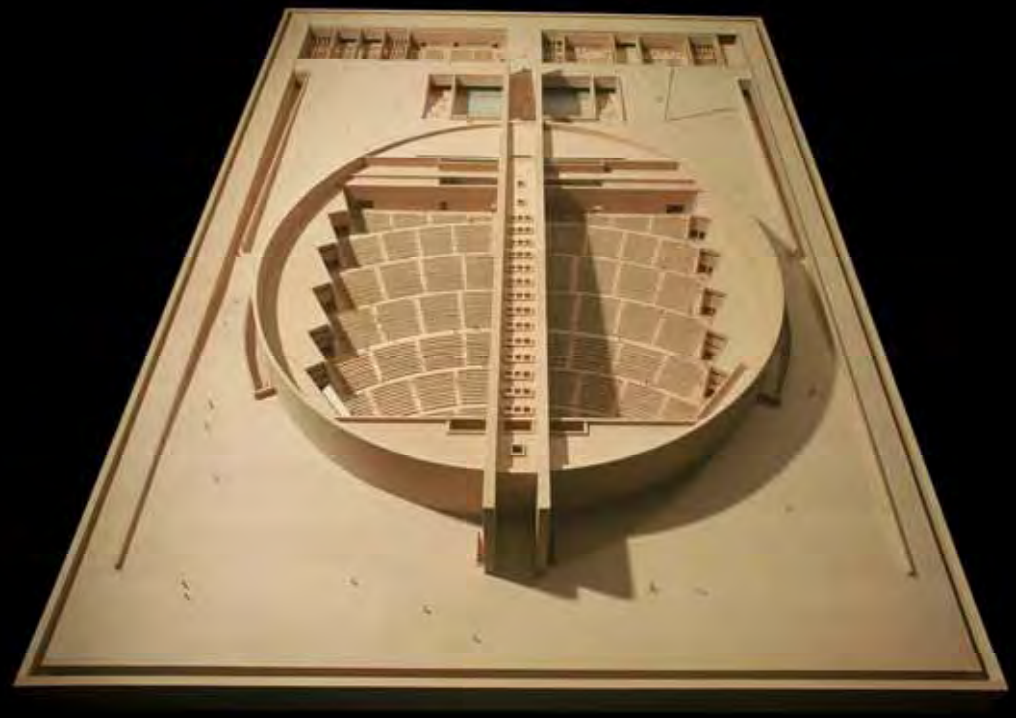
SITE PLAN

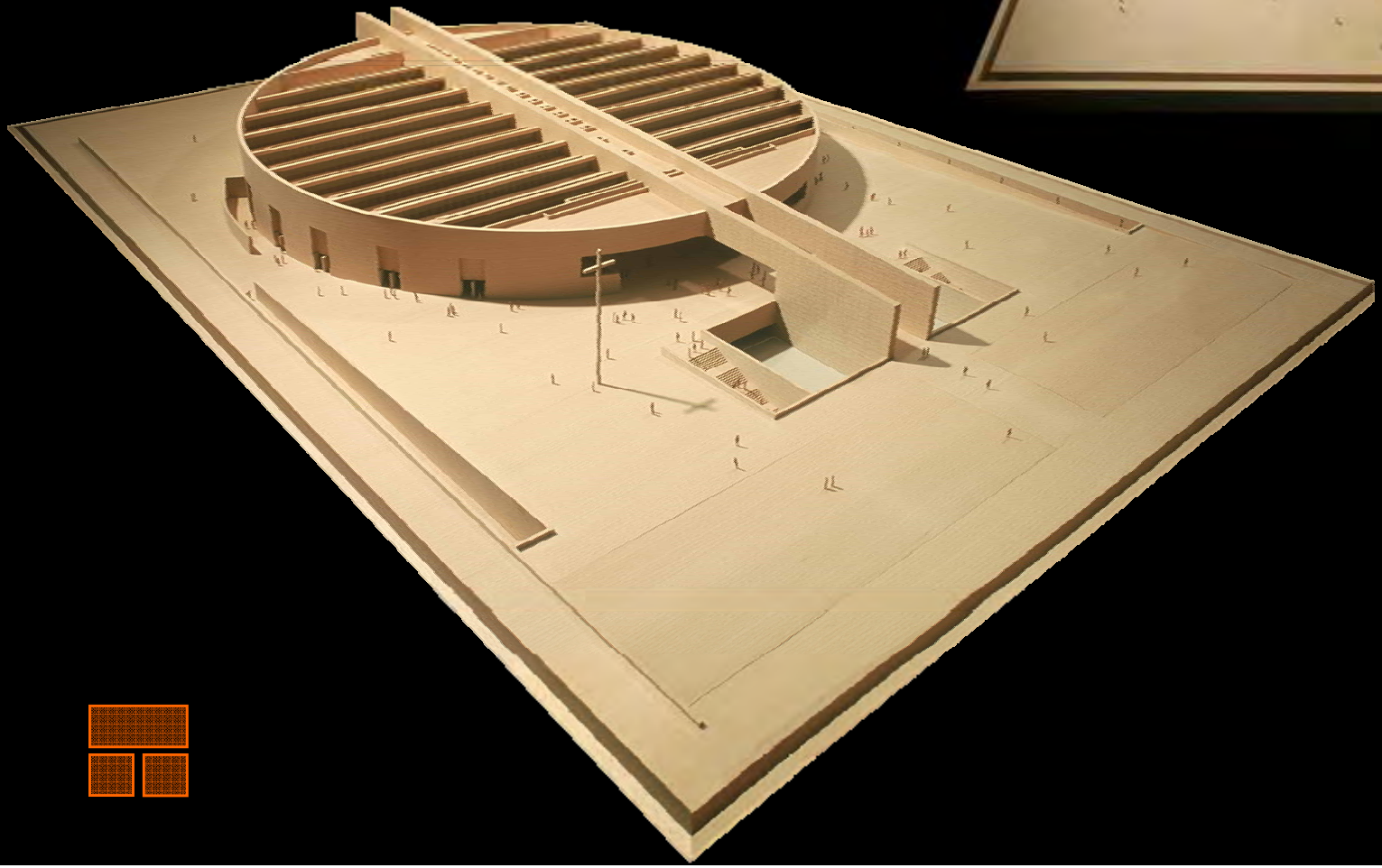
PLAN, LEVEL 0

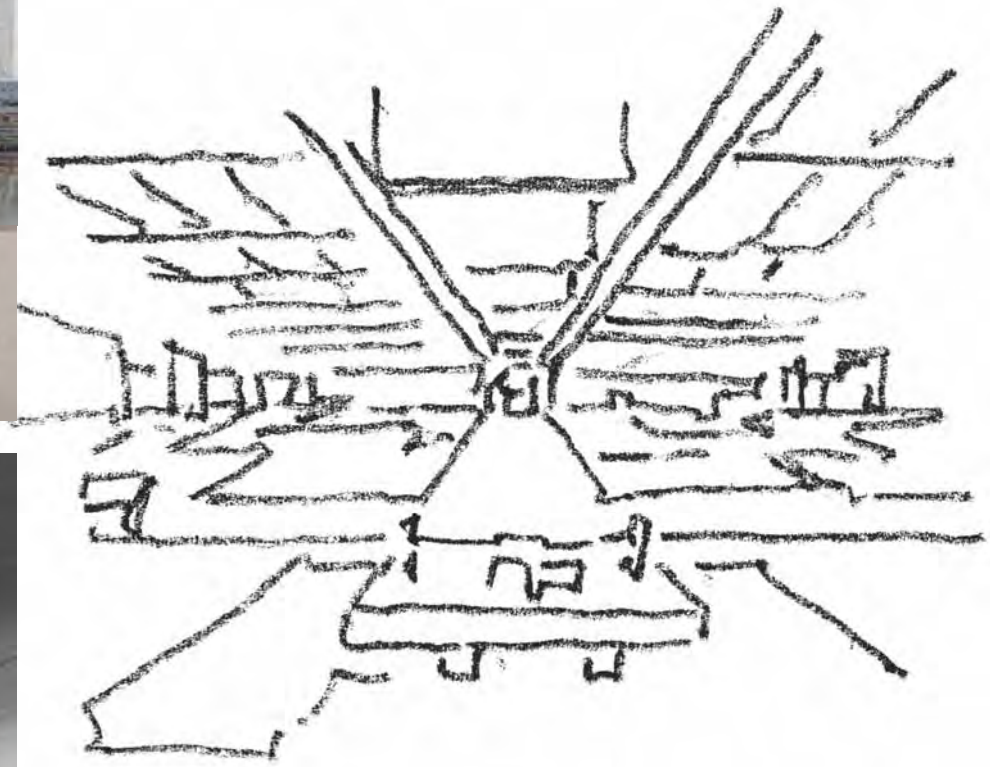


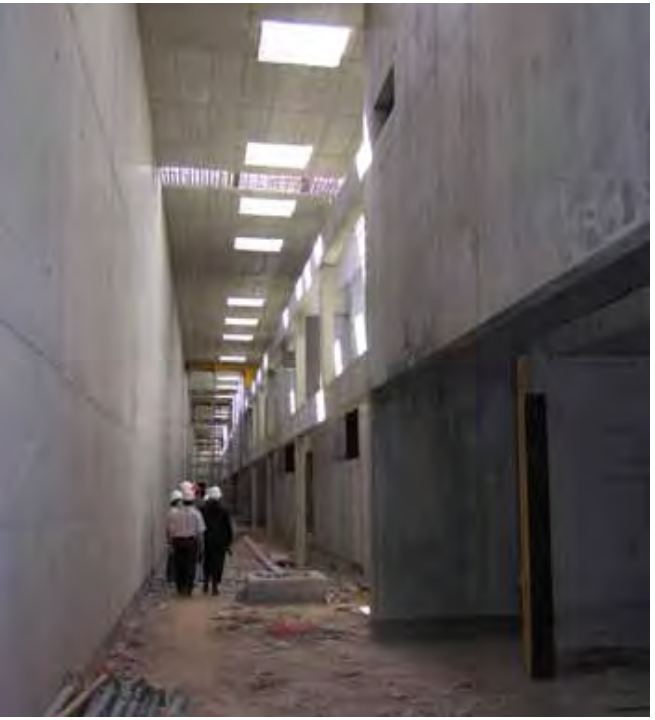
LONGITUDINAL SECTION

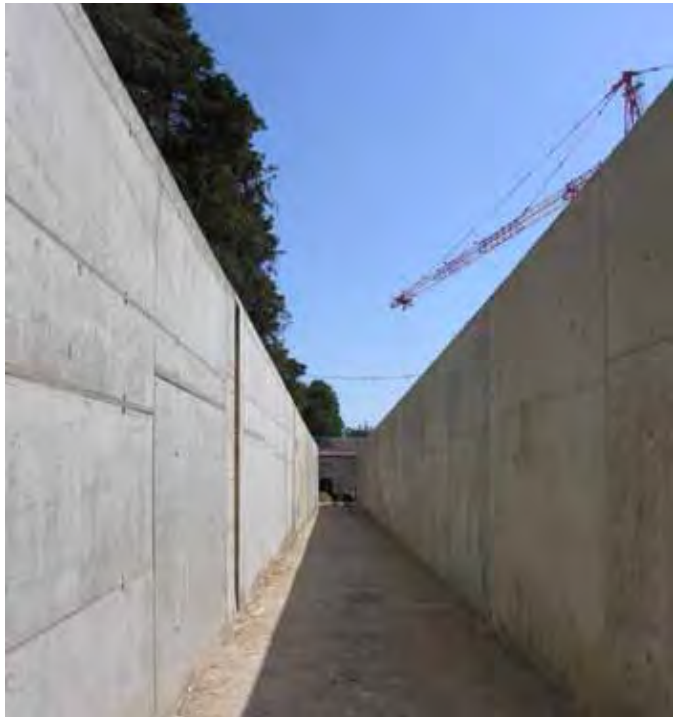
SECTION ON CENTRAL AXIS







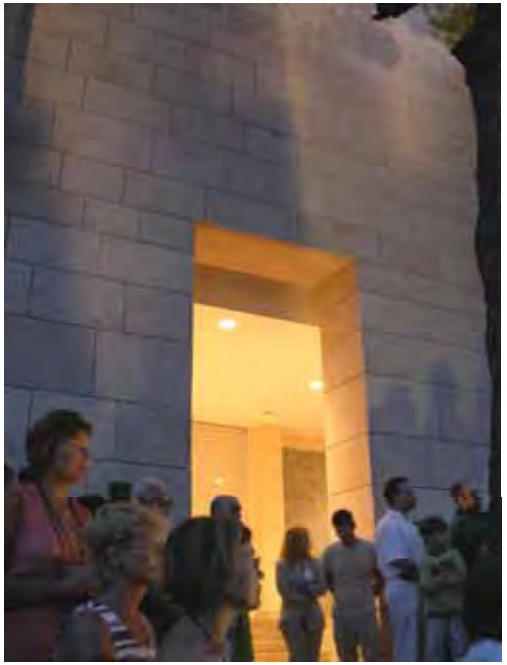
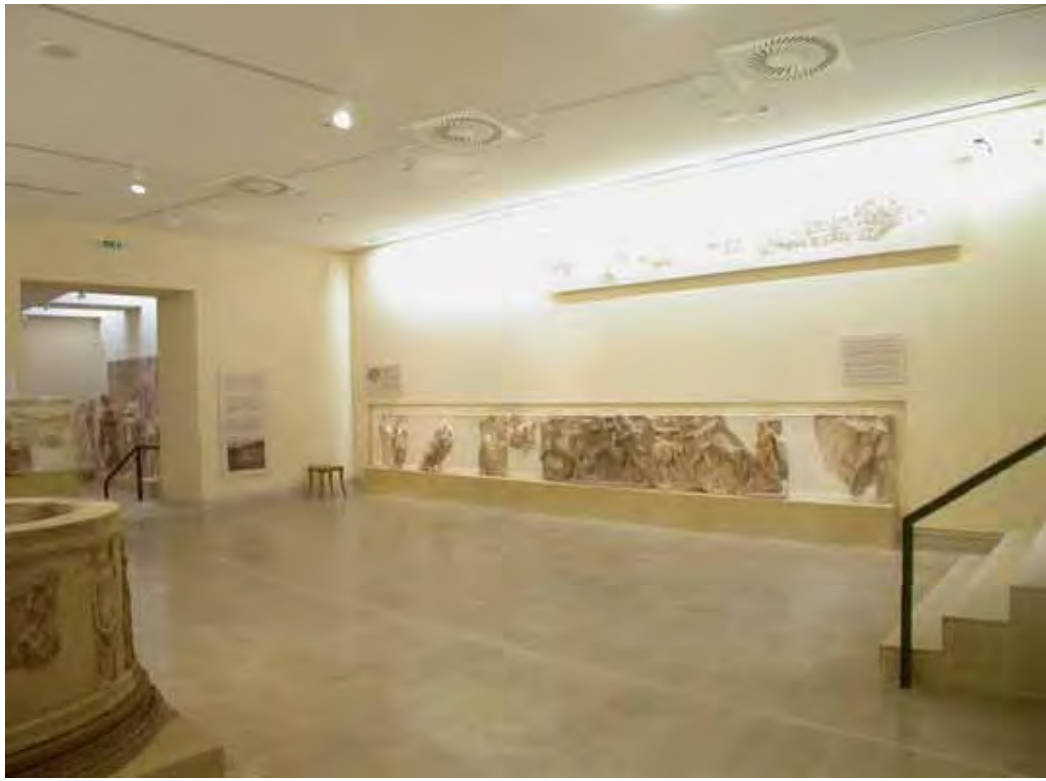




ΑΡΧΑΙΟΛΟΓΙΚΟ ΜΟΥΣΕΙΟ ΔΕΛΦΩΝ

Μελέτη: 1985-2001 (σε φάσεις)
Κατασκευή: 1998-00 (φάση 1)
2003-04 (φάση 2)

~1903

~1939

~1980