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**The Definition of Cyclopean: An Investigation into the Origins  
of the LH III Fortifications on Mainland Greece.**

Vol. II of II

Nancy Claire Loader

Submitted to the Department of Classics, University of Durham  
for the Degree of Doctor of Philosophy  
1995



18 JUL 1995

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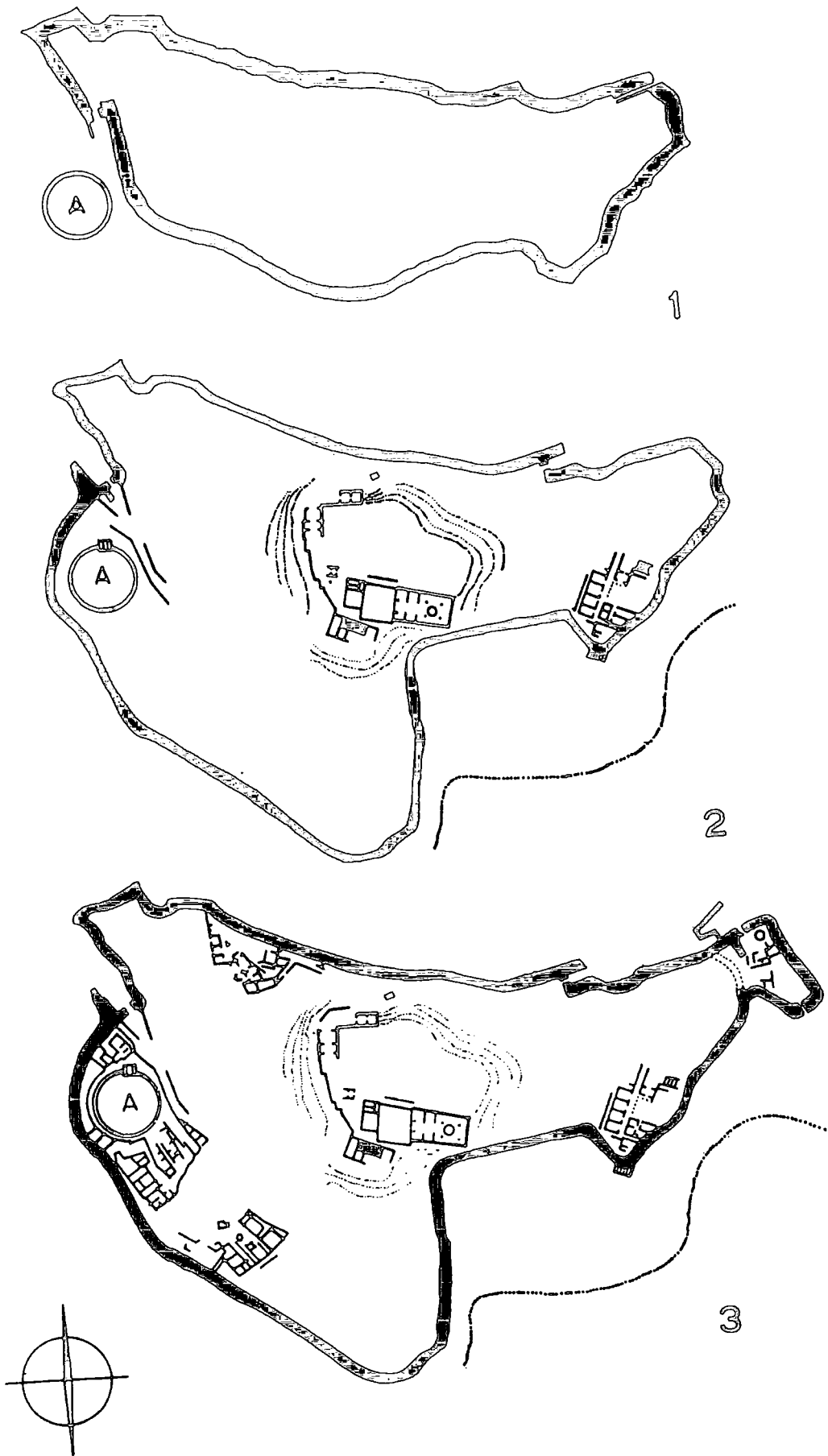
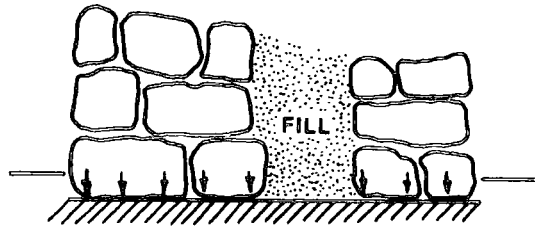
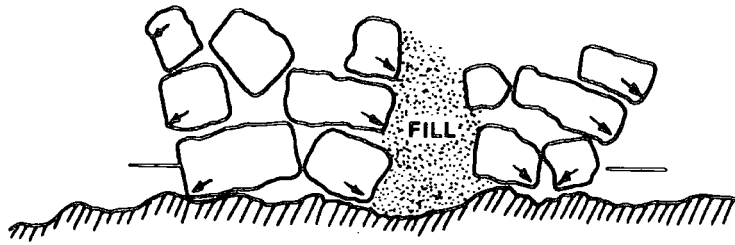


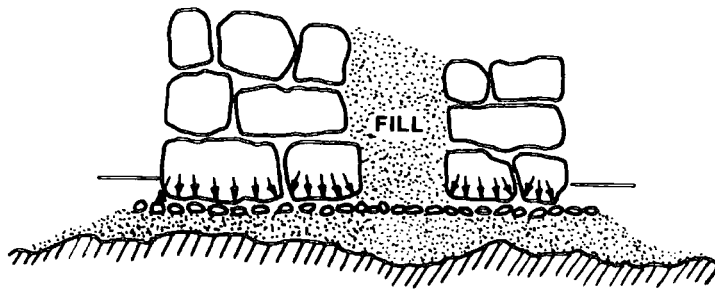
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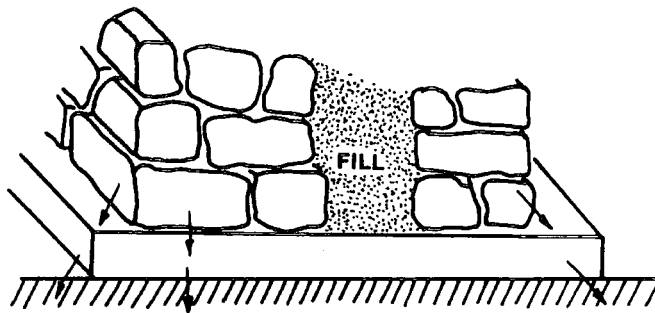
a. Bedrock foundation.



b. Uneven foundation.



c. Earth and pebble foundation.



d. Socle foundation.

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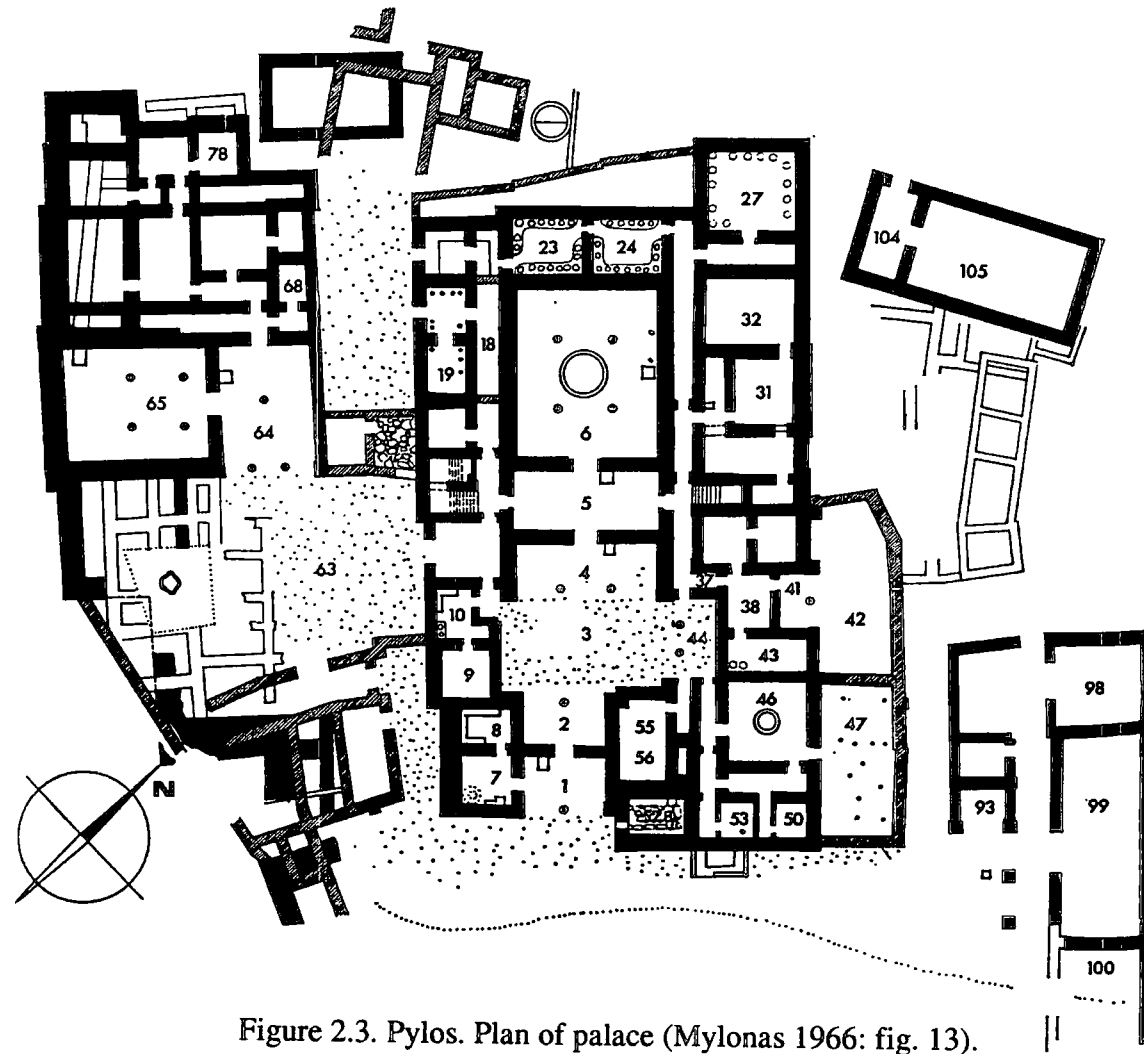


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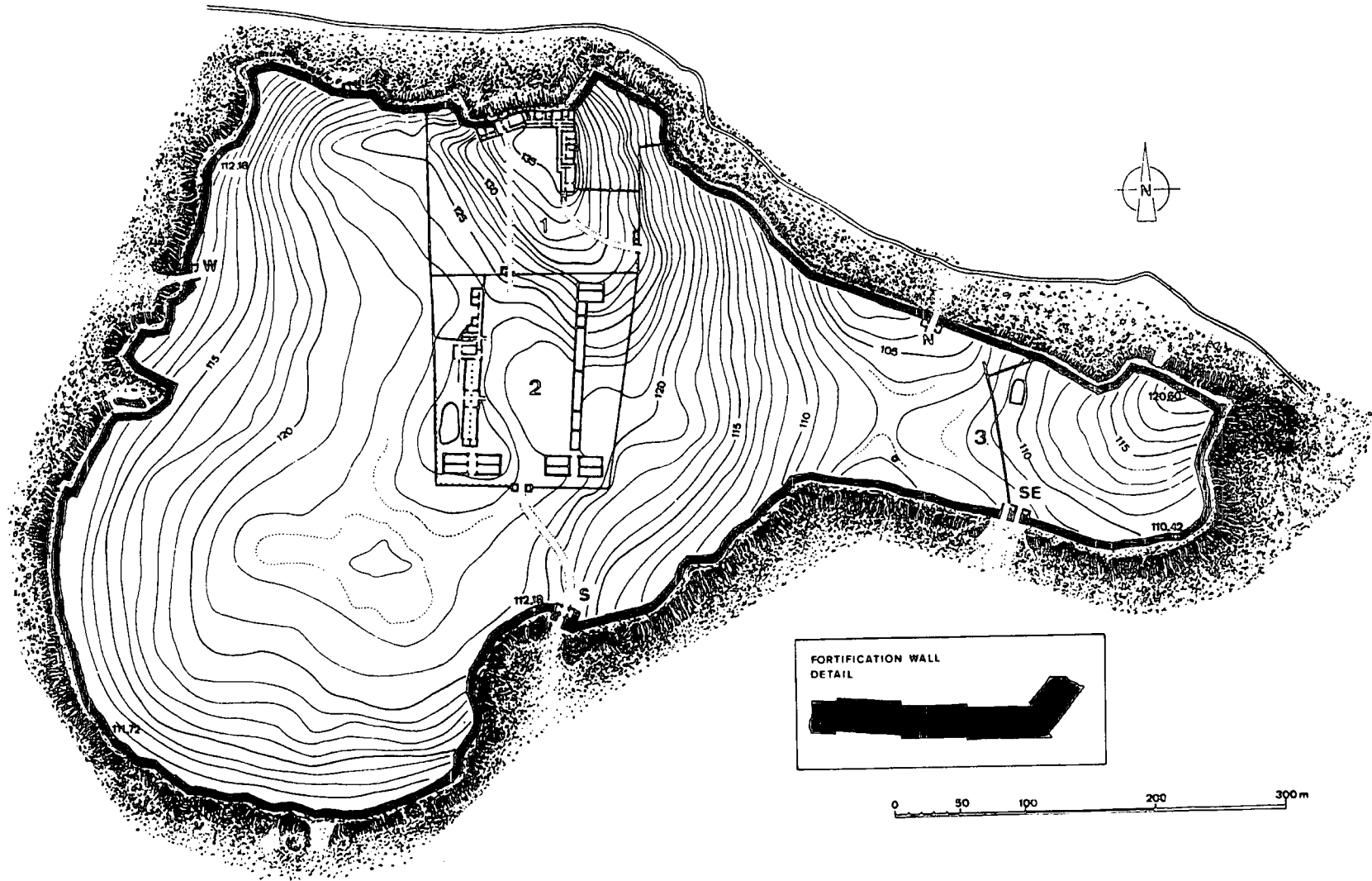


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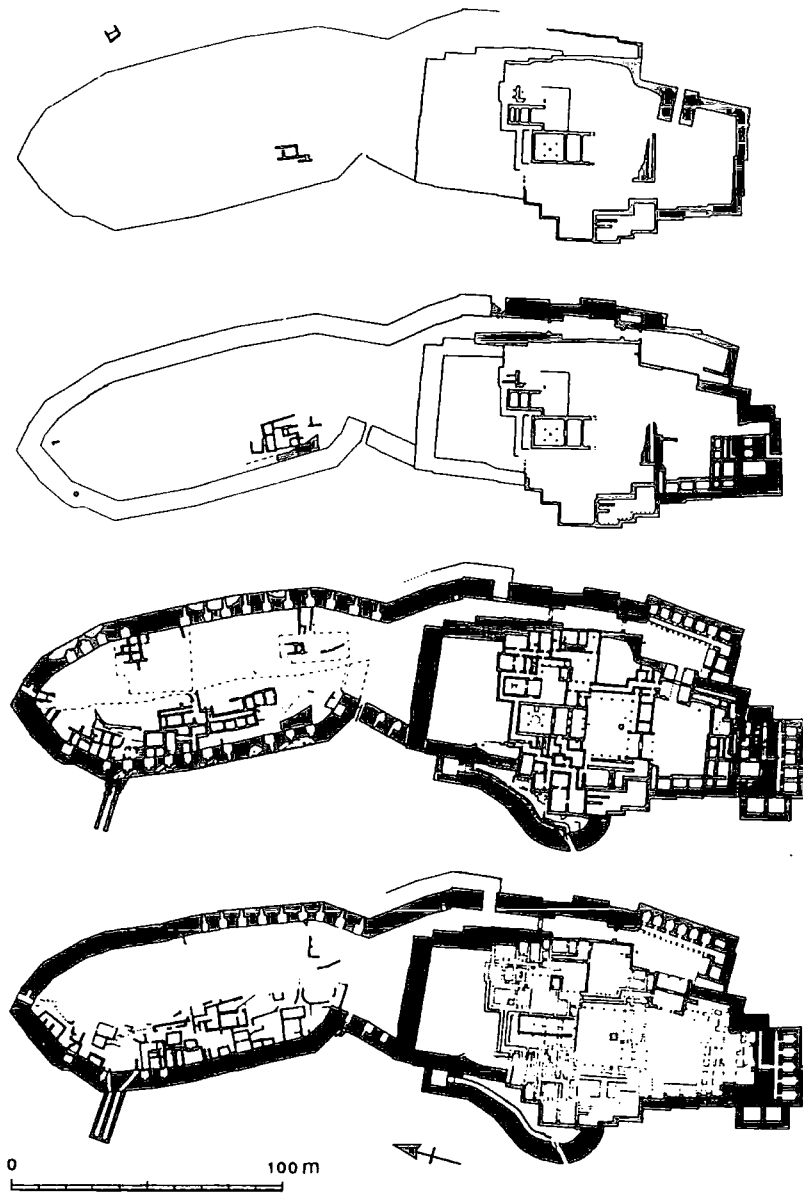


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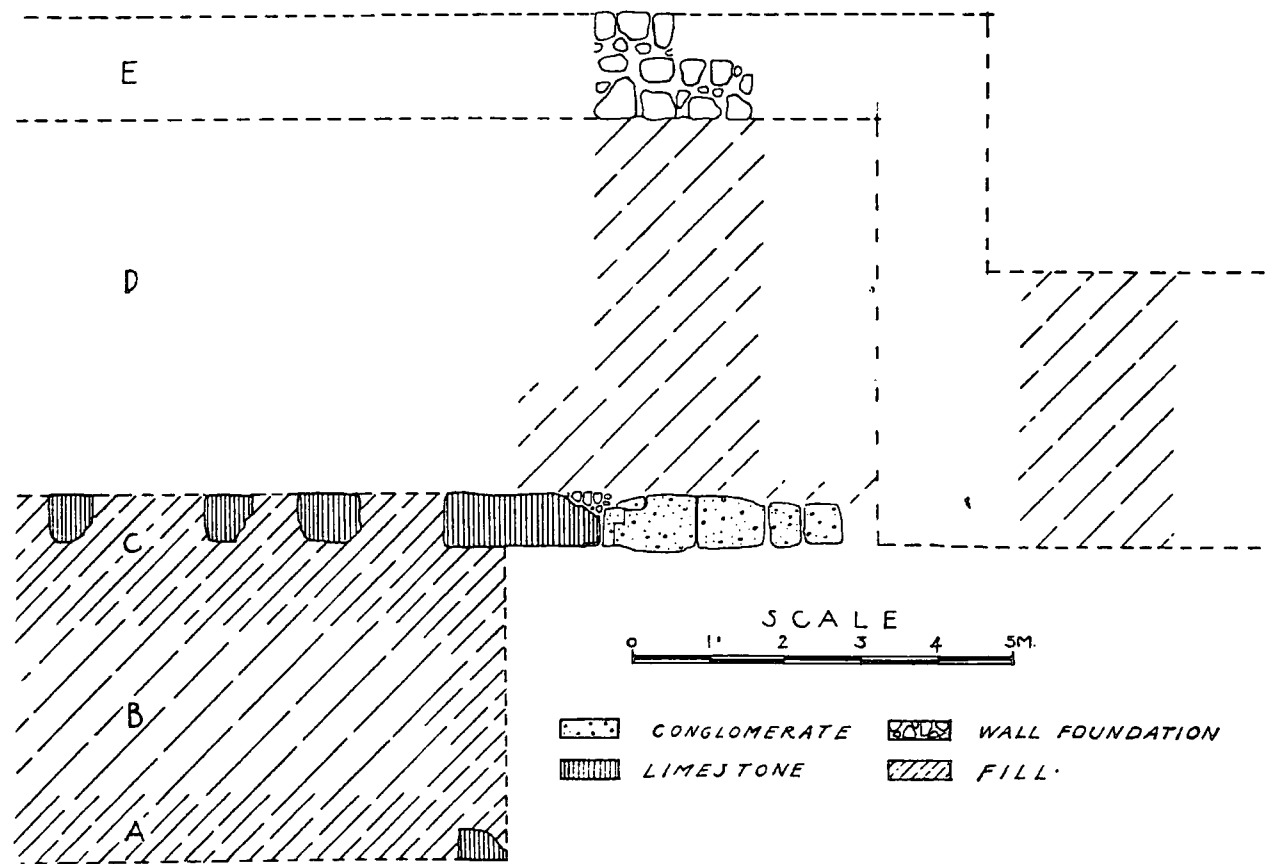


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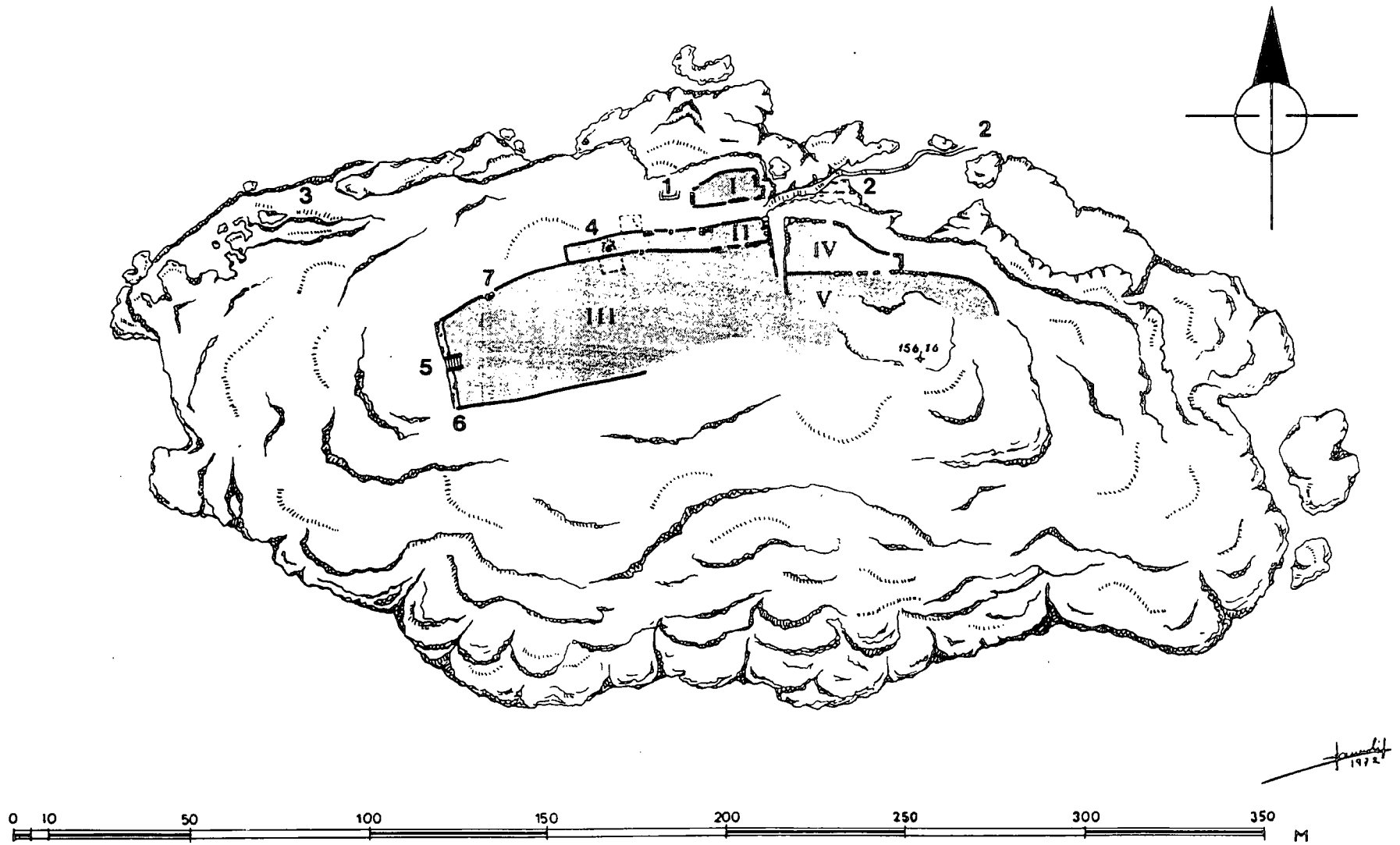


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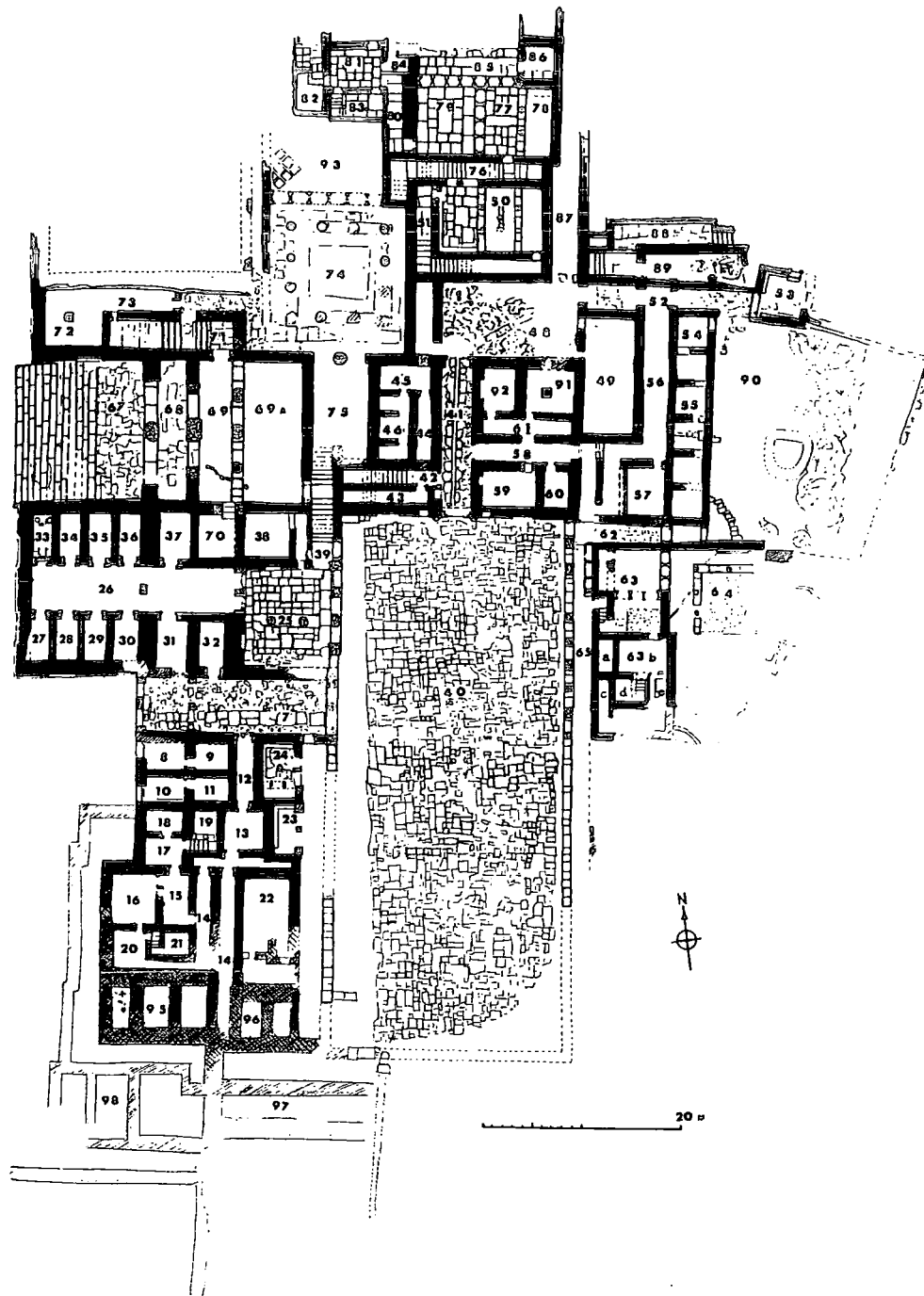


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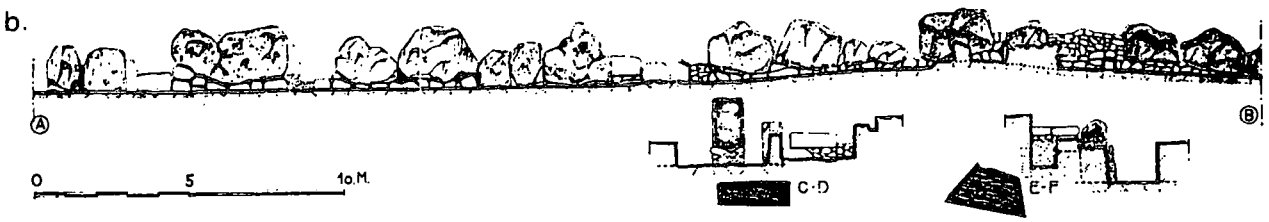
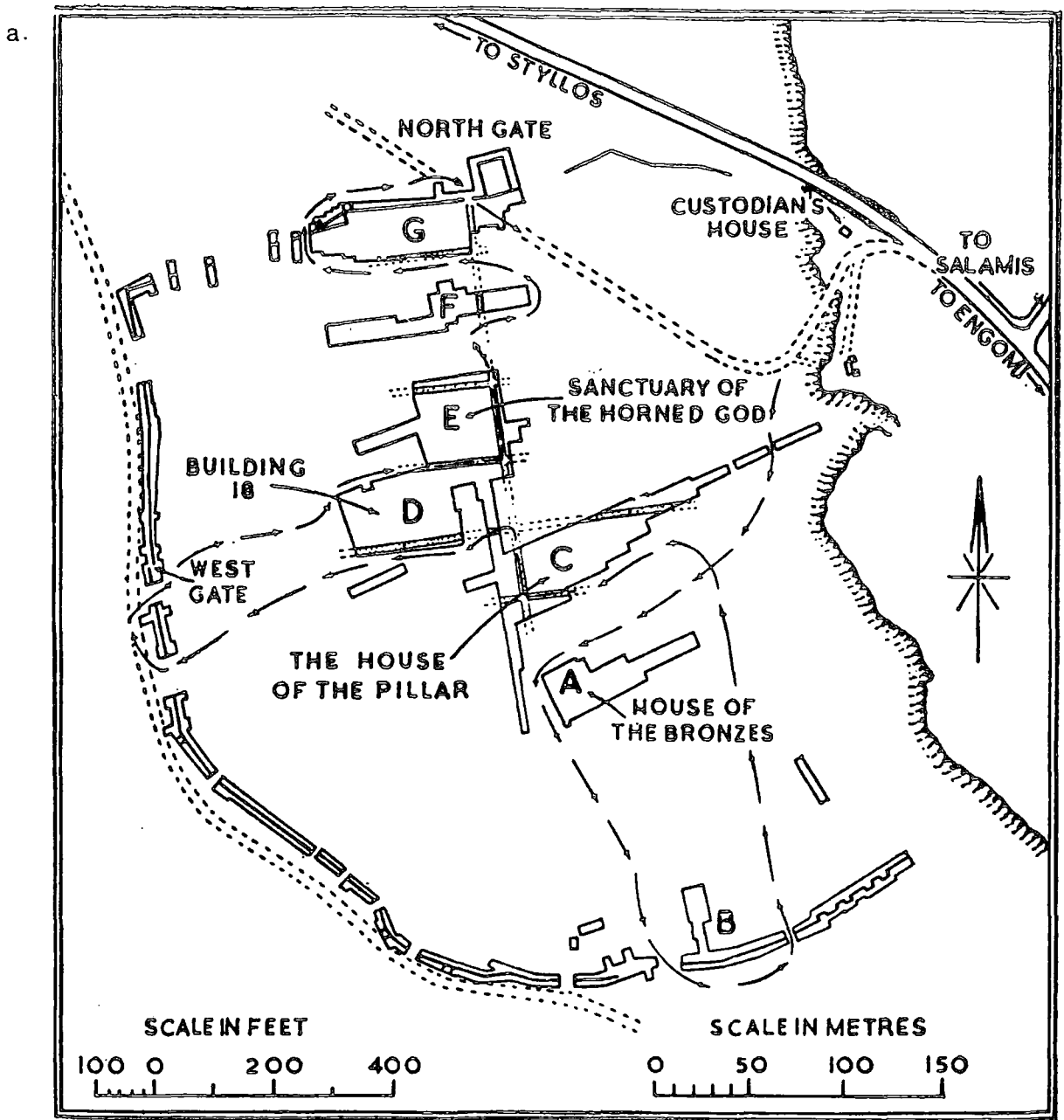


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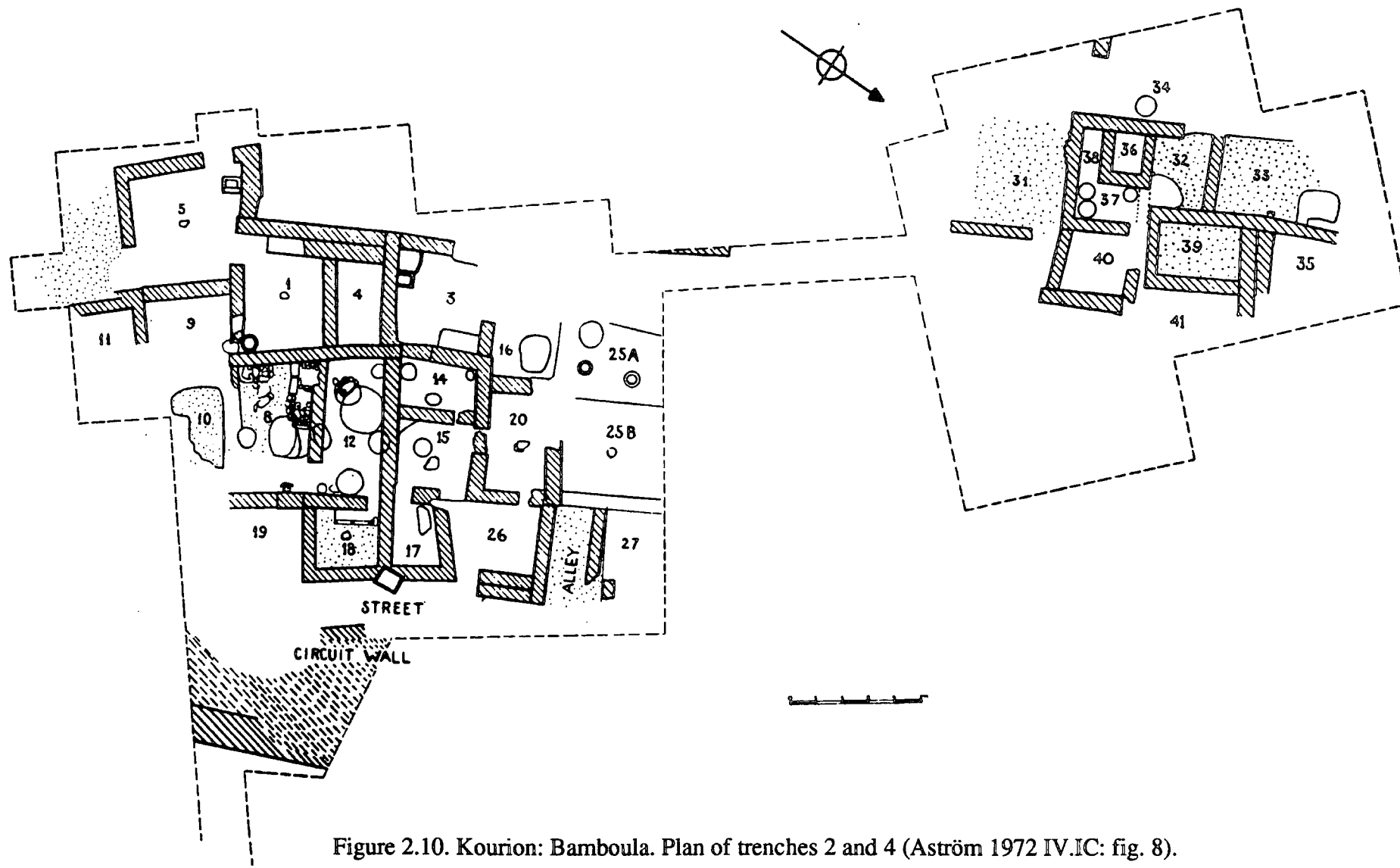


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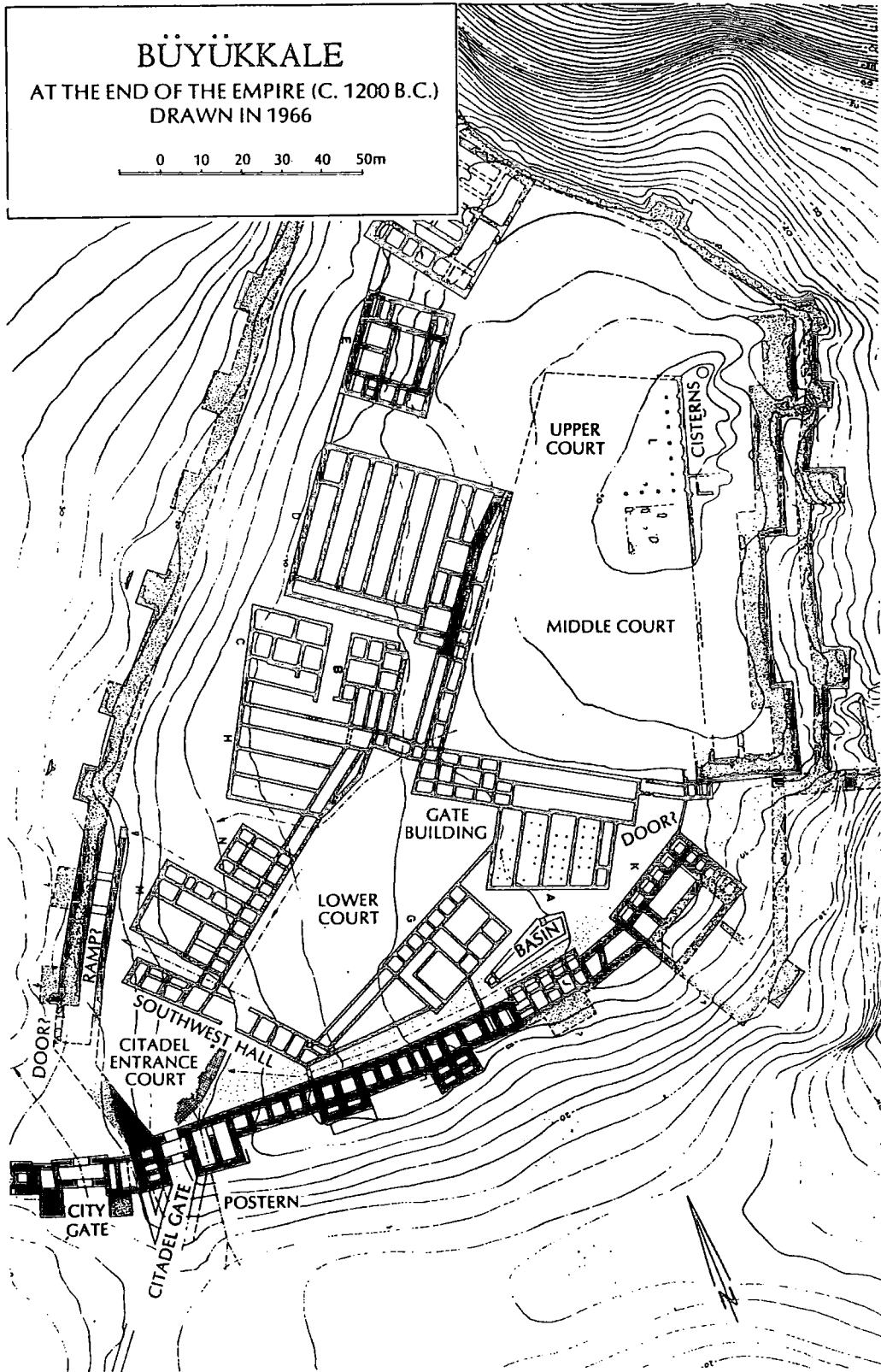


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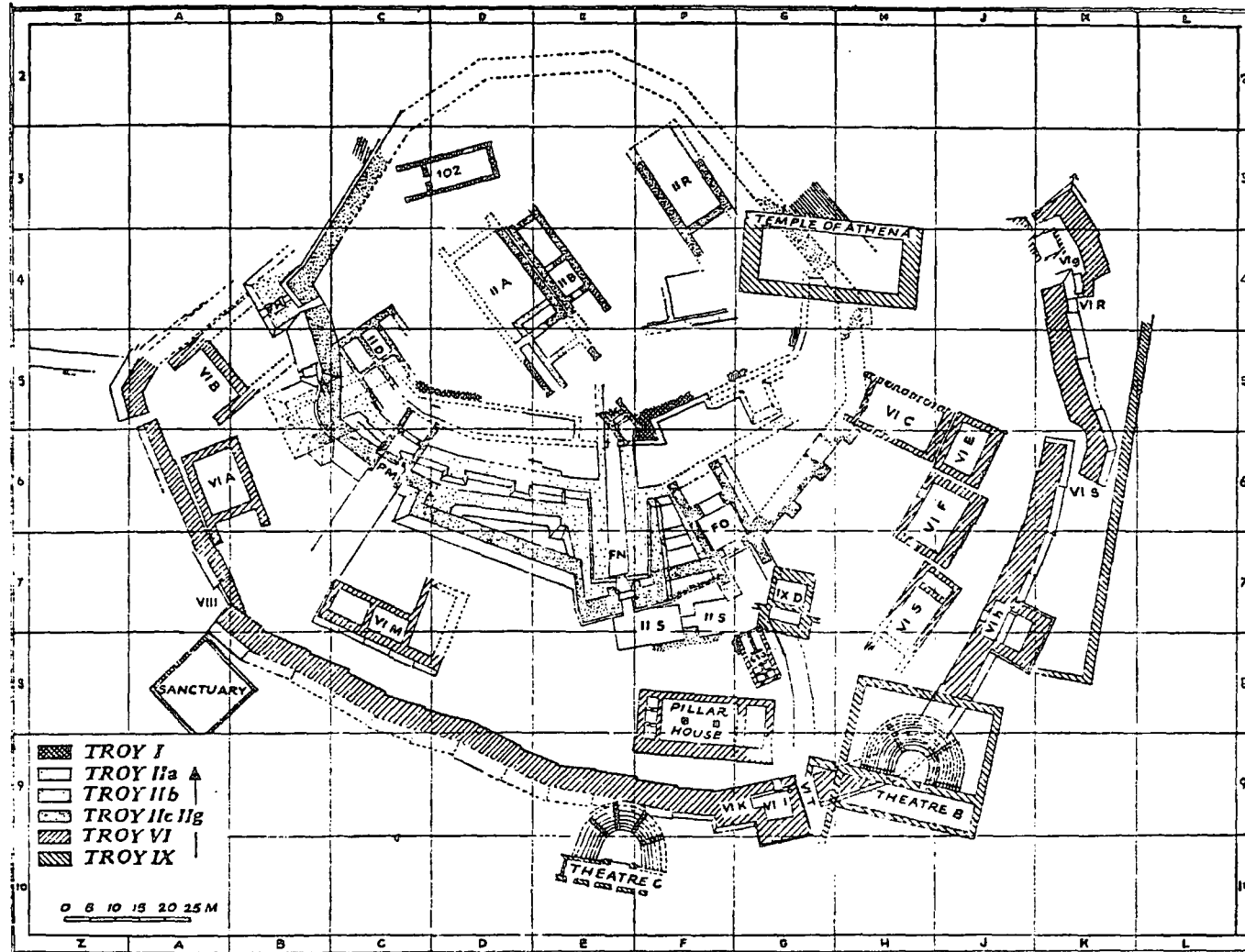


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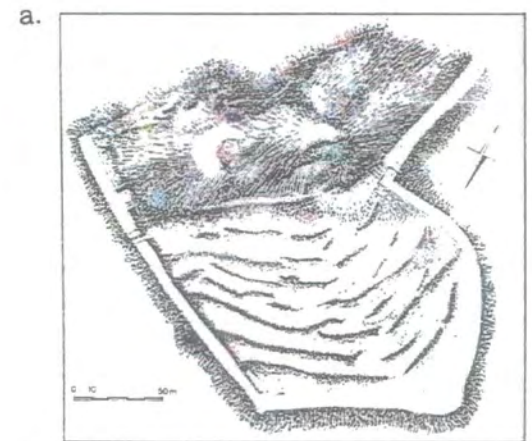
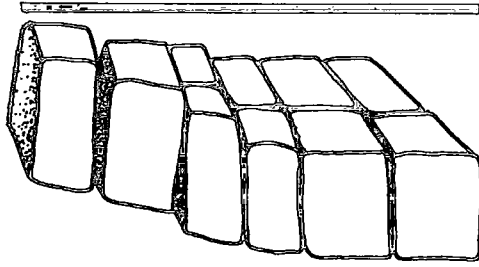
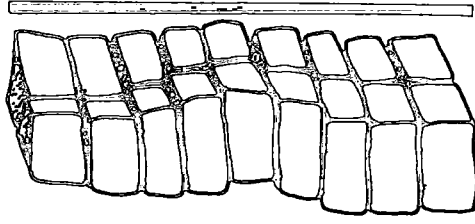


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a. Toppling.



b. Bulging.

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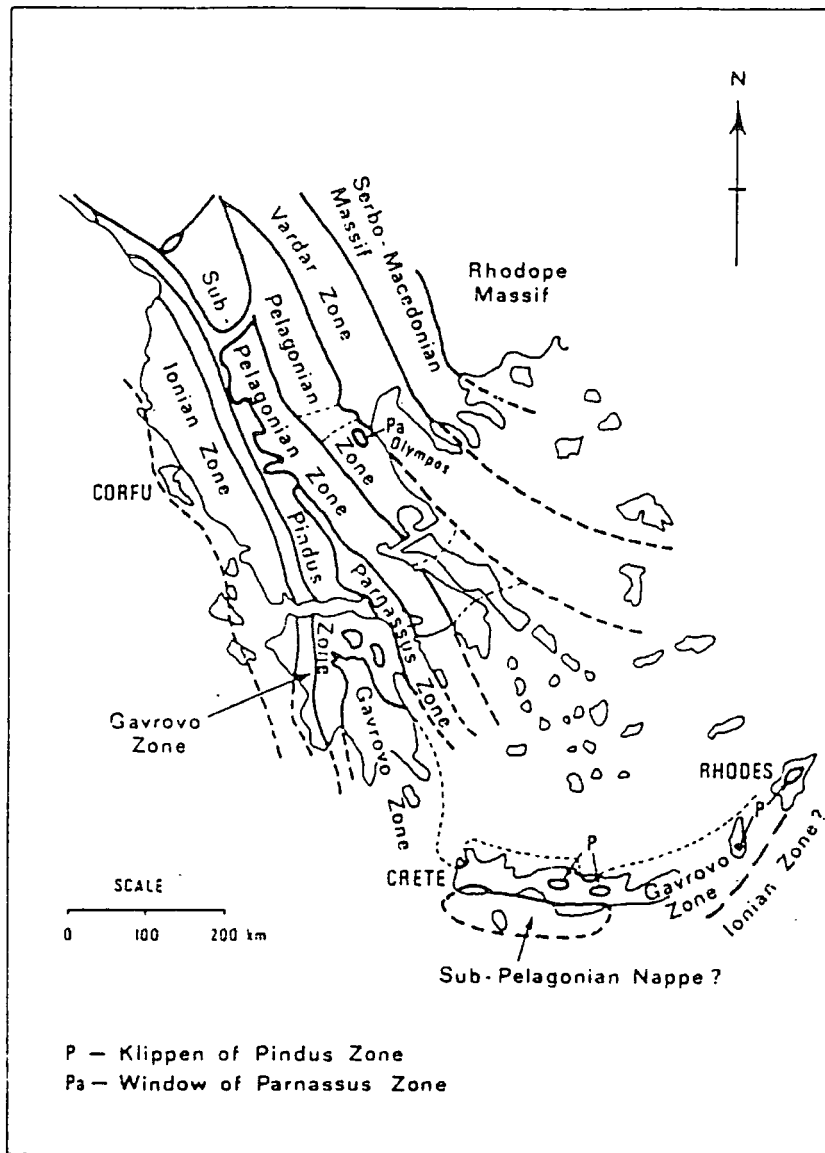


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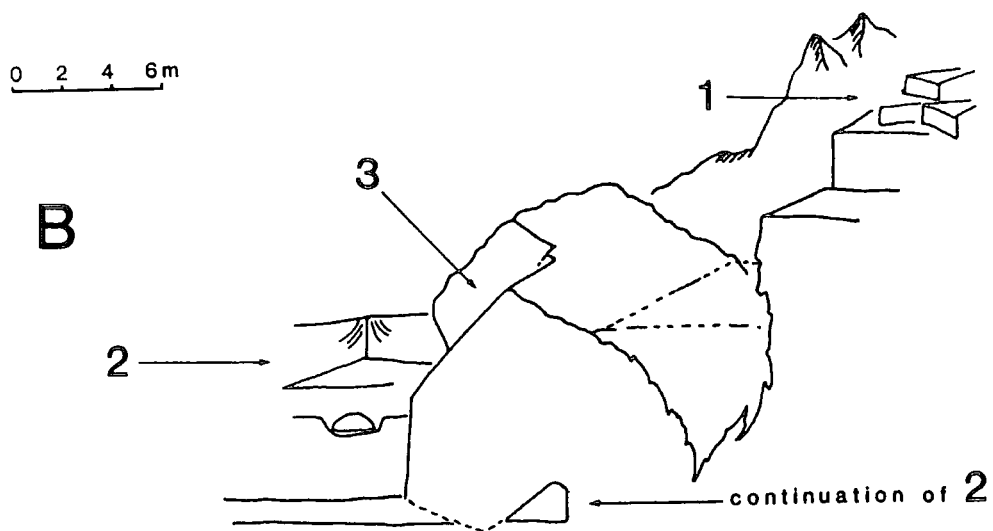
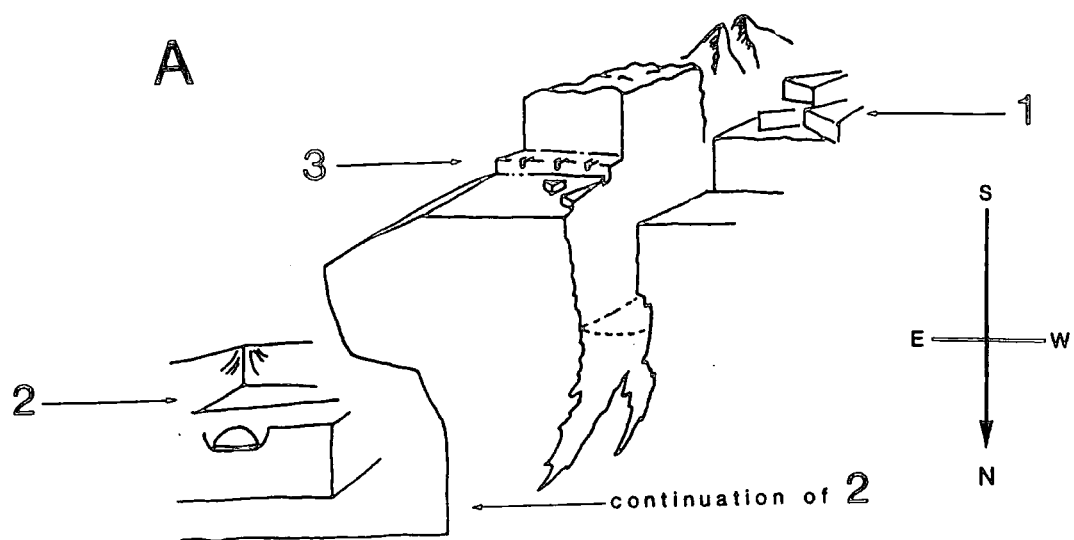


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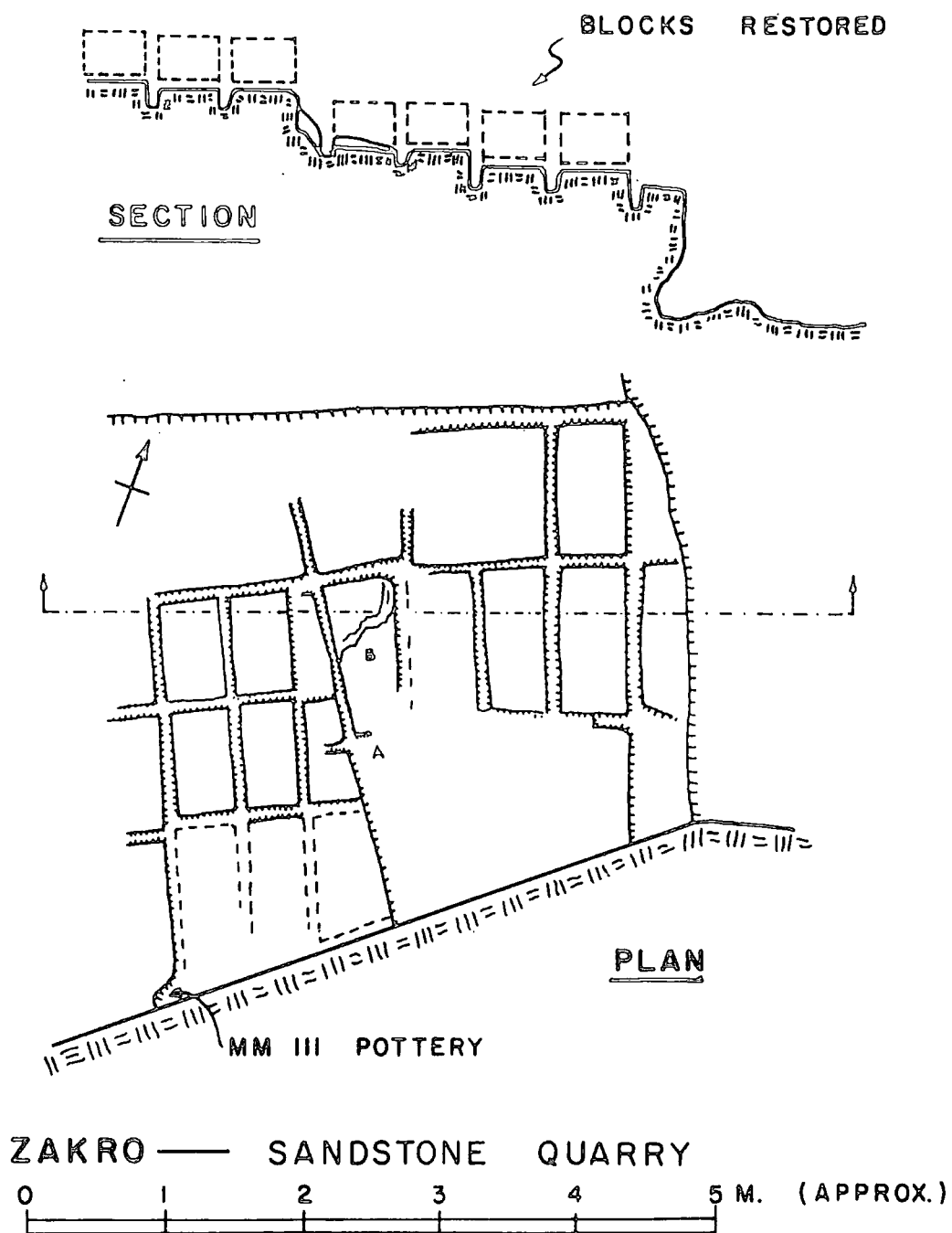


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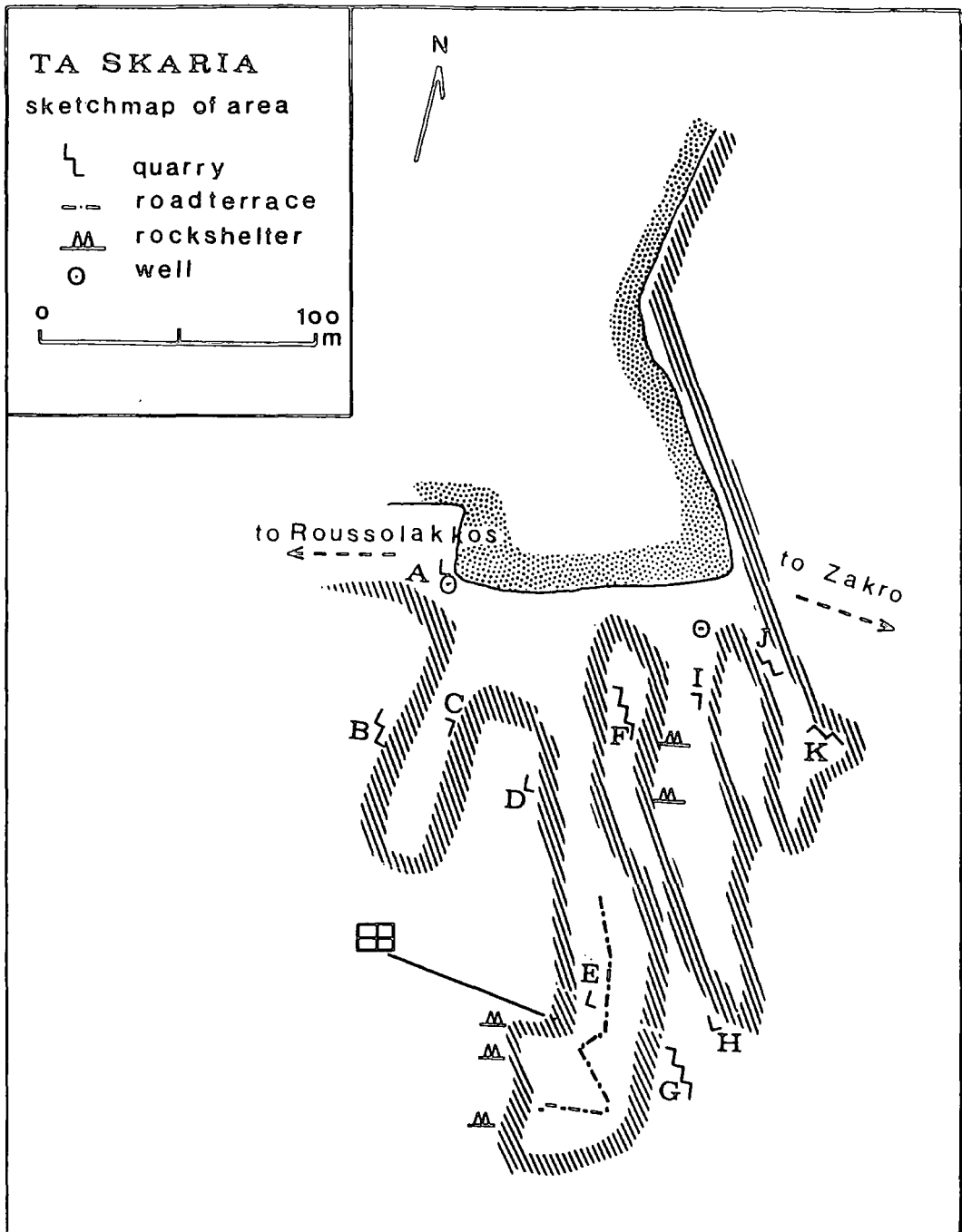


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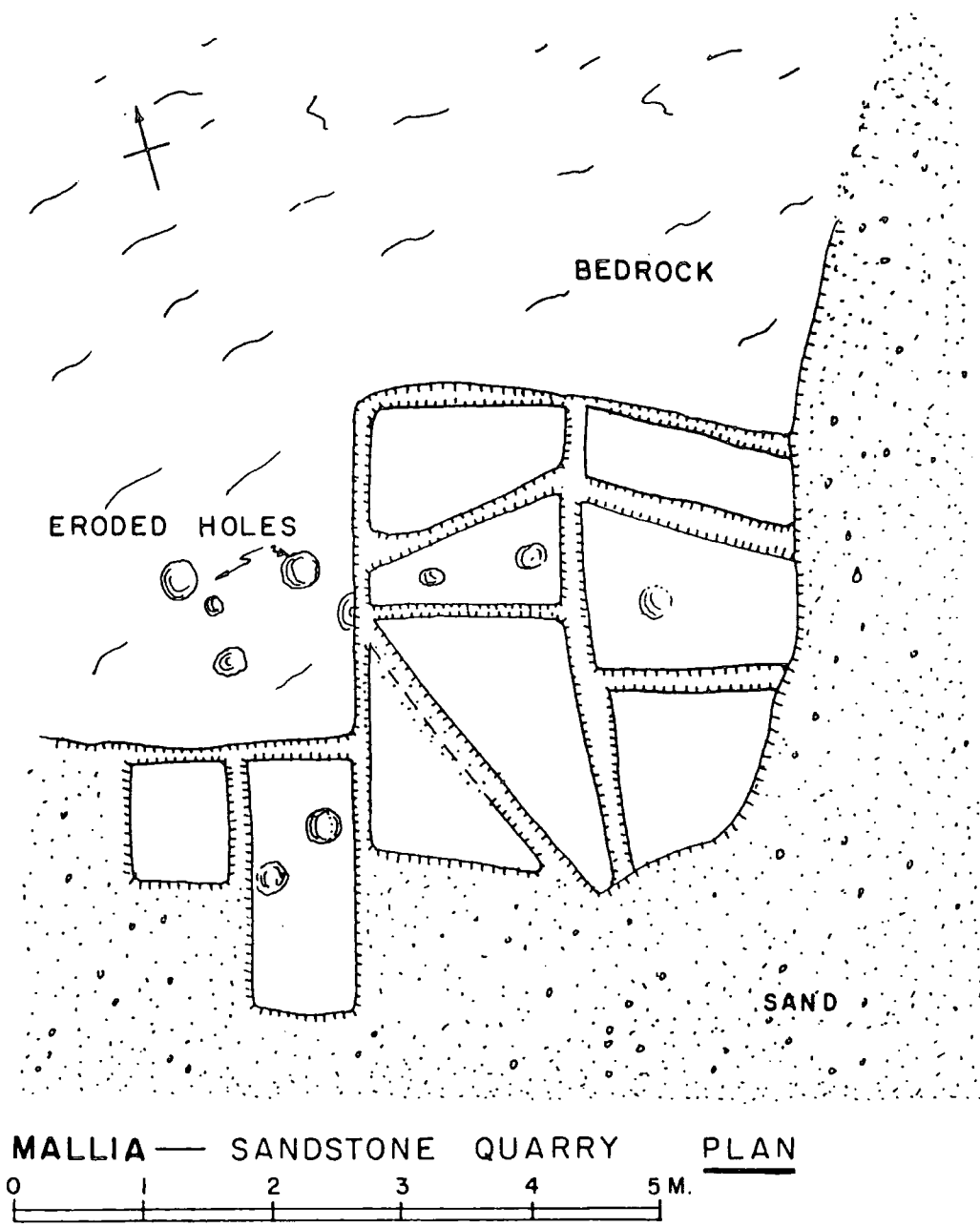


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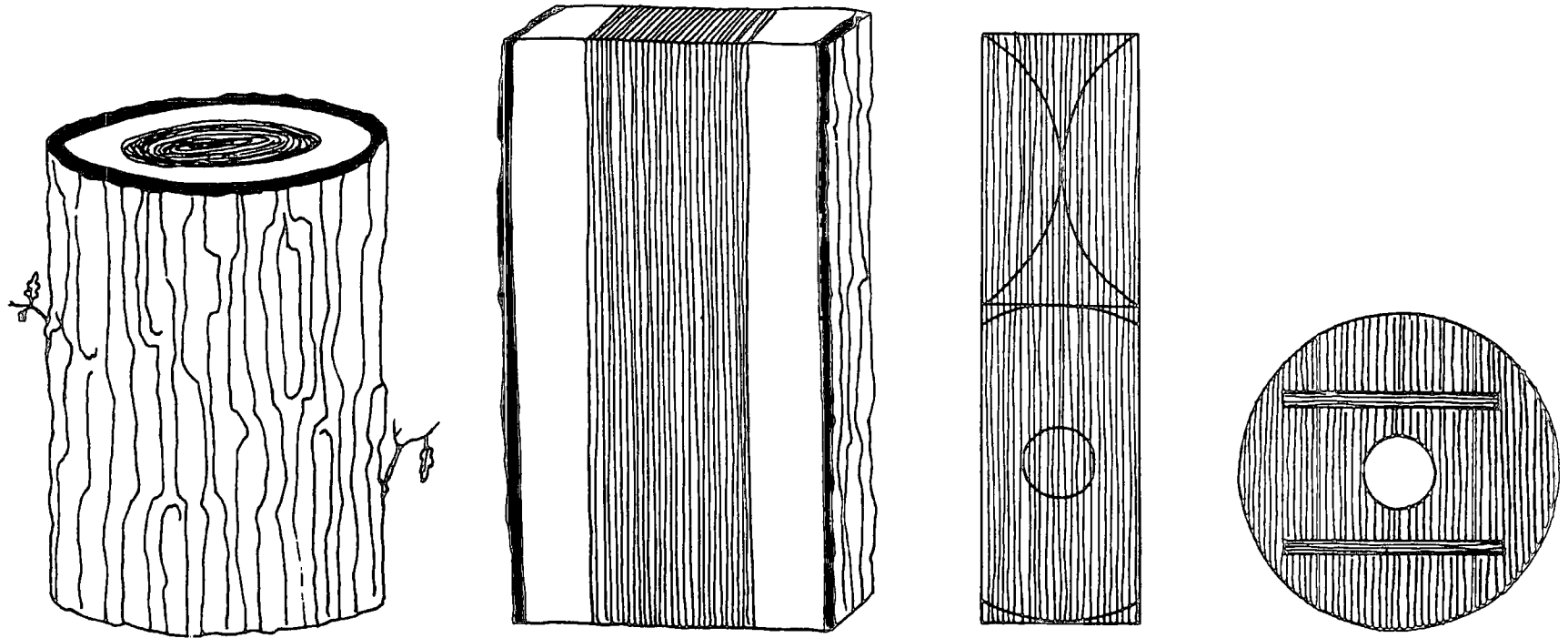


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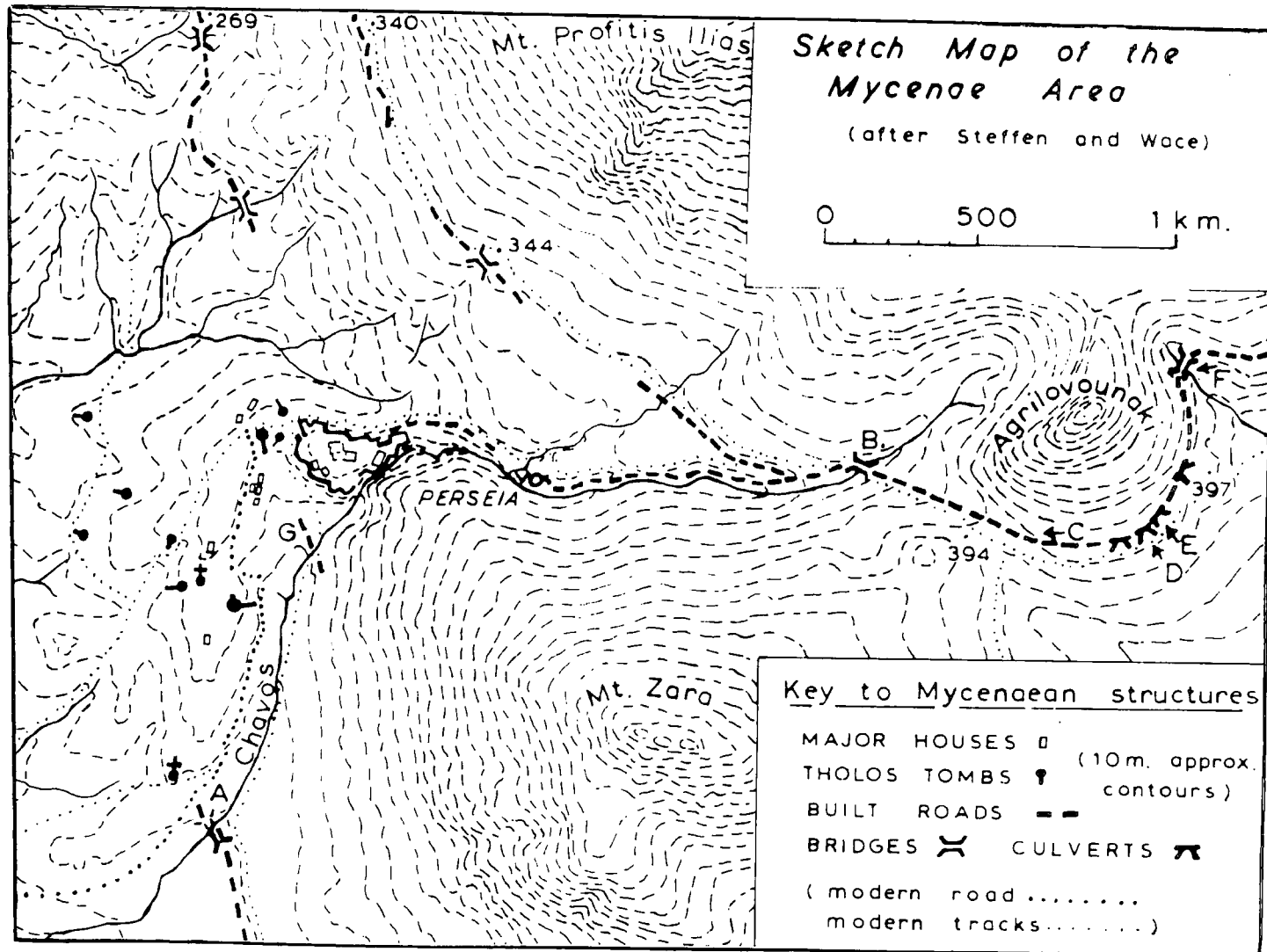
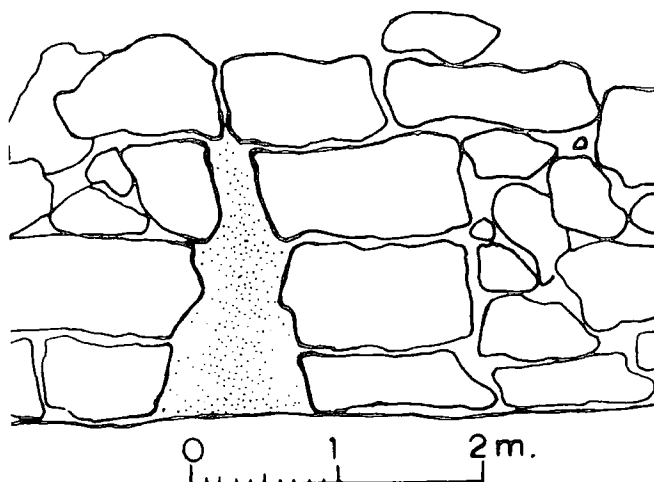


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a. *Lykotroupi Bridge*  
(at Point F)



b. *Agrilovounaki. Culvert*  
(at Point D)

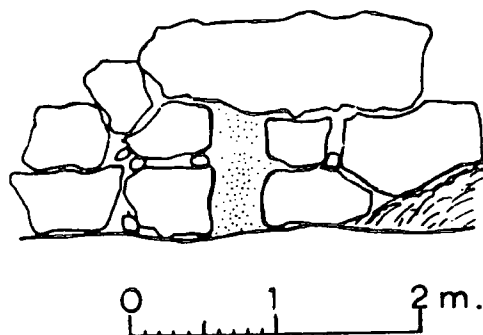


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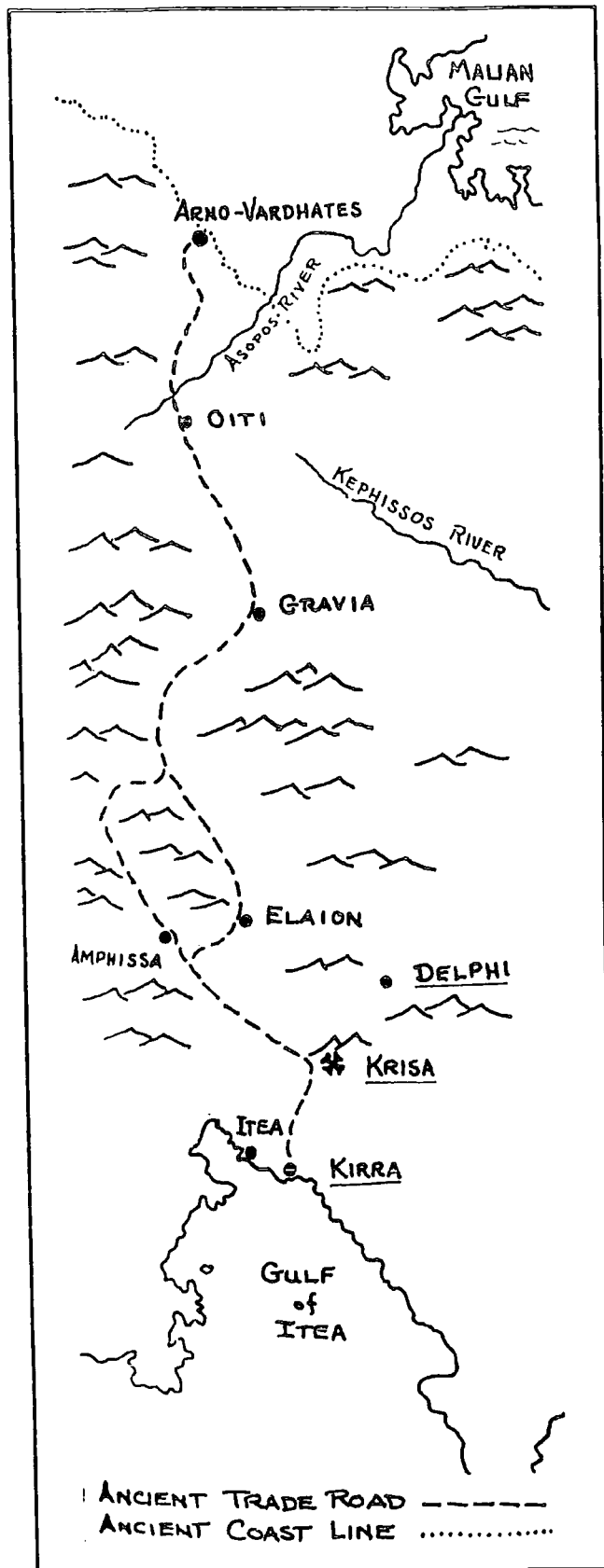


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Figure 4.5. Kazarma. (a.) Sketch map of Kazarma area (Hope Simpson 1981: fig. 4),  
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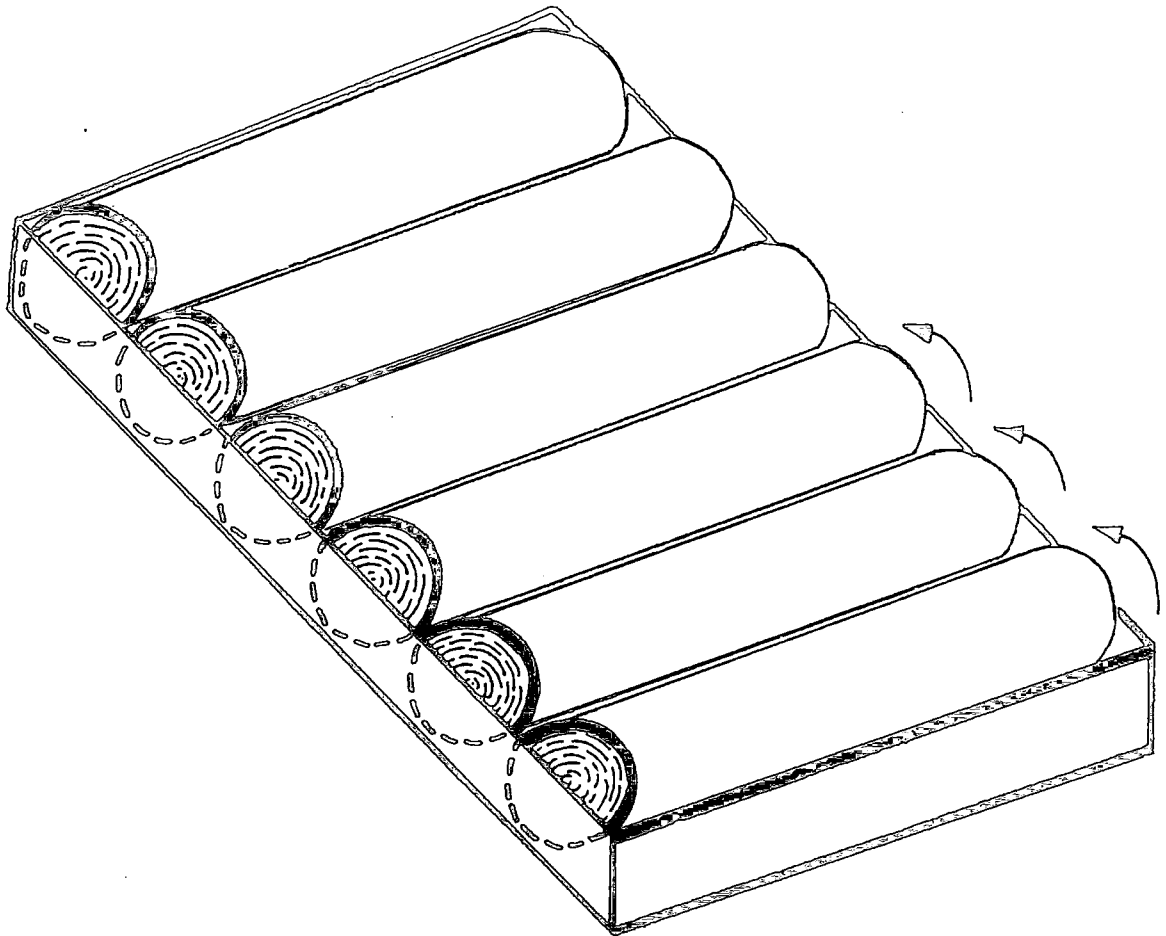


Figure 4.6. Wooden ramp constructed of rollers.

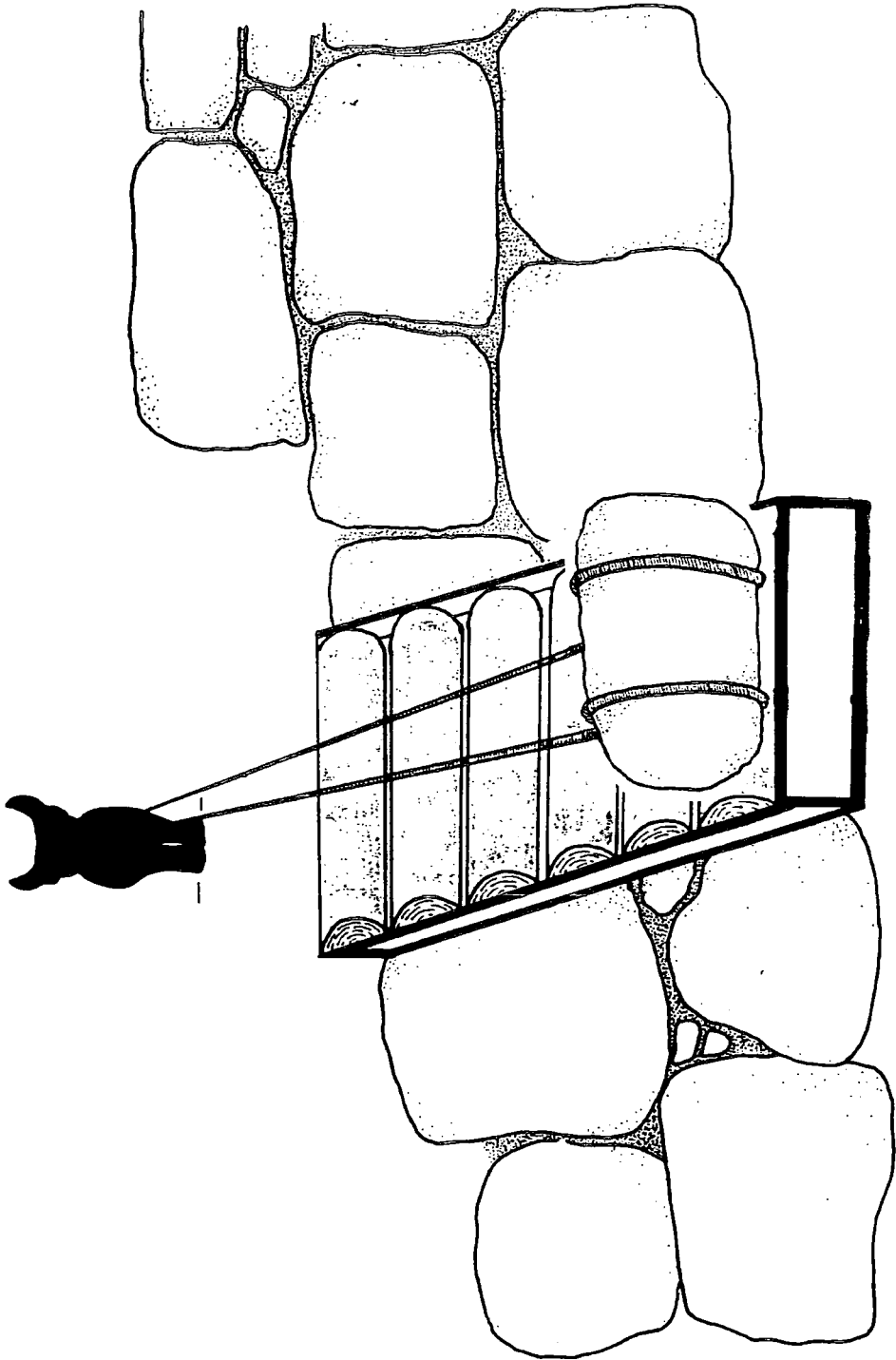


Figure 4.7. Use of wooden ramp.



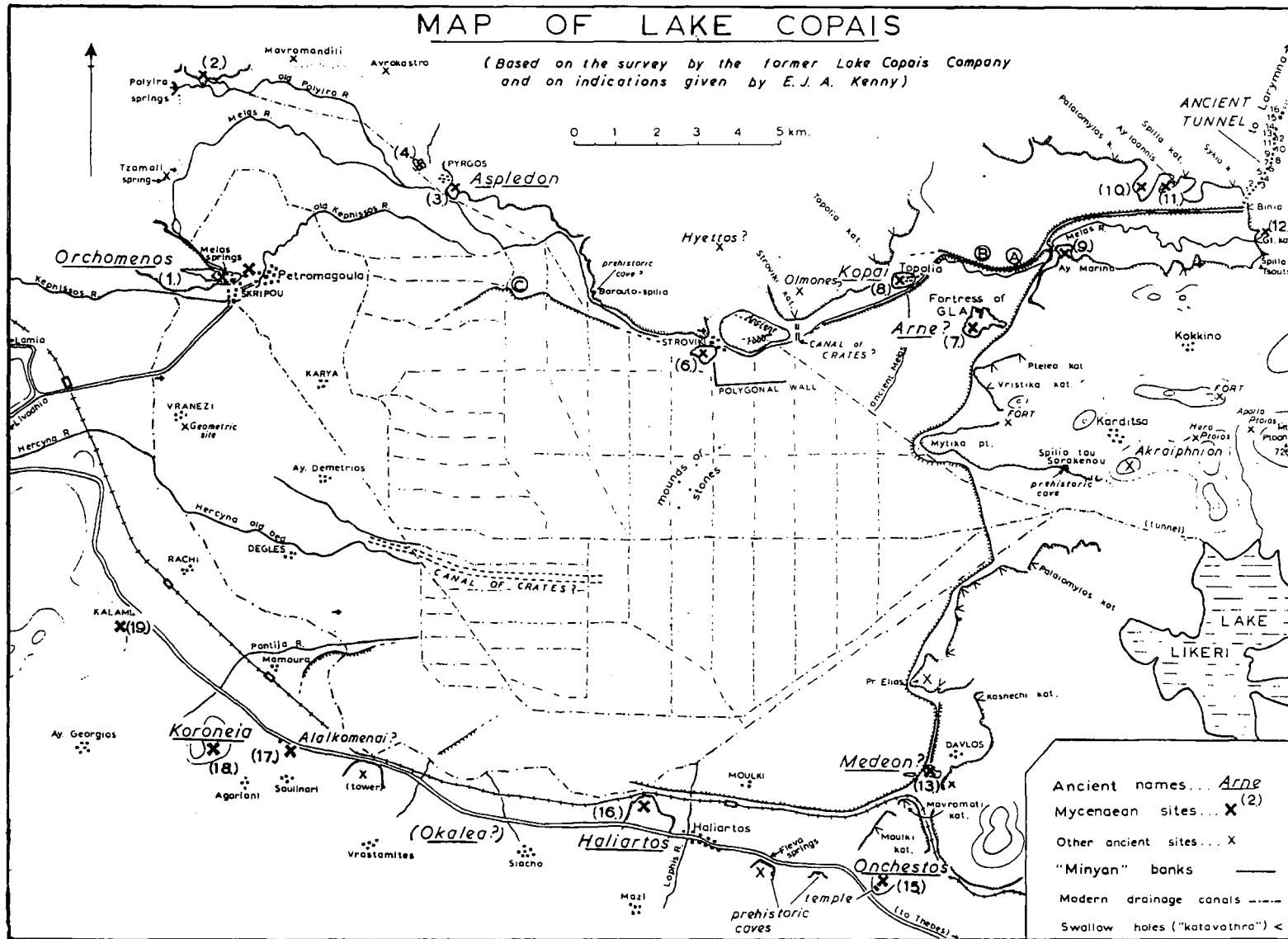


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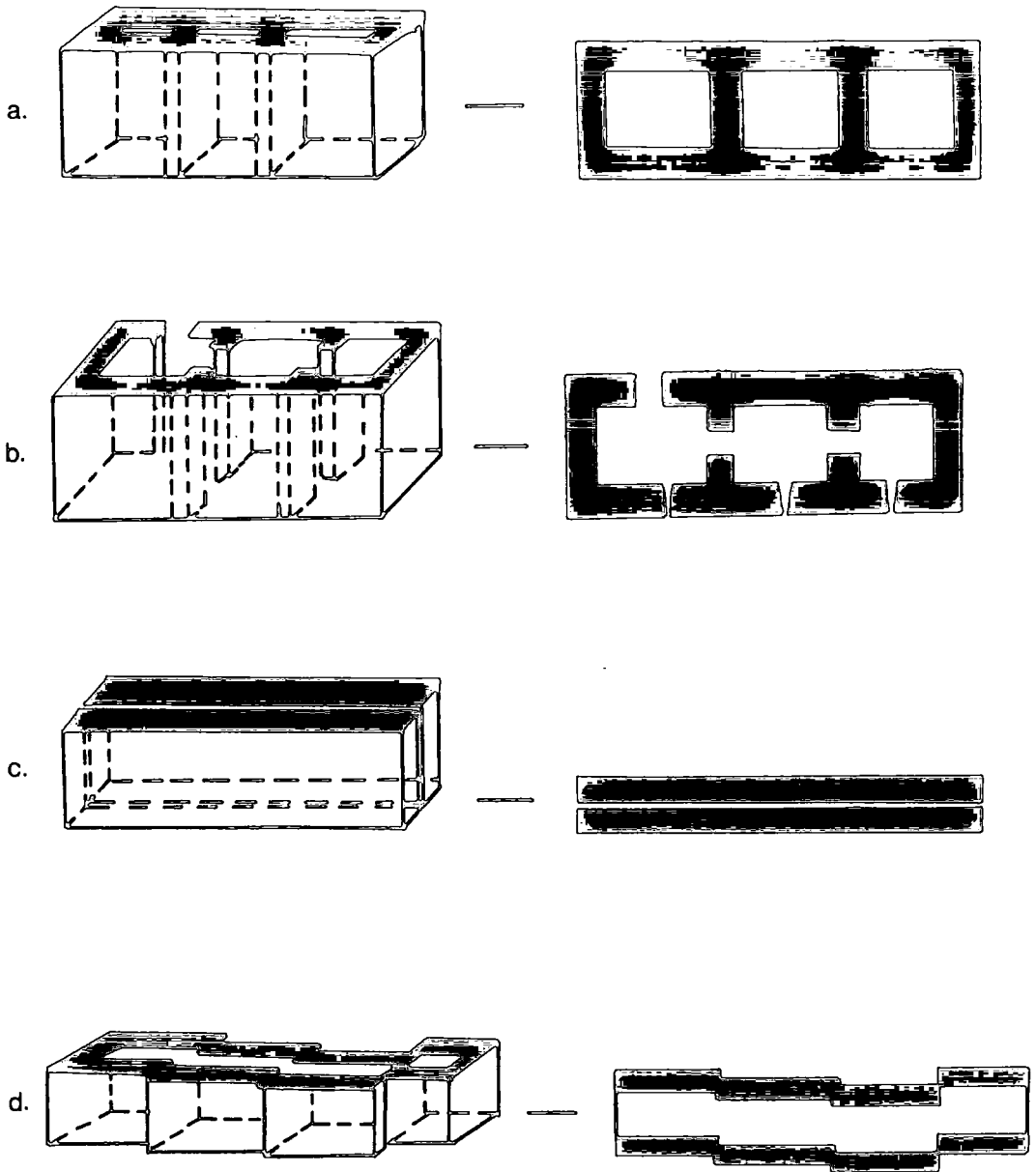


Figure 6.2. Wall types. (a) Compartment, (b) Casemate, (c) Shell-wall, (d) Unit-built.

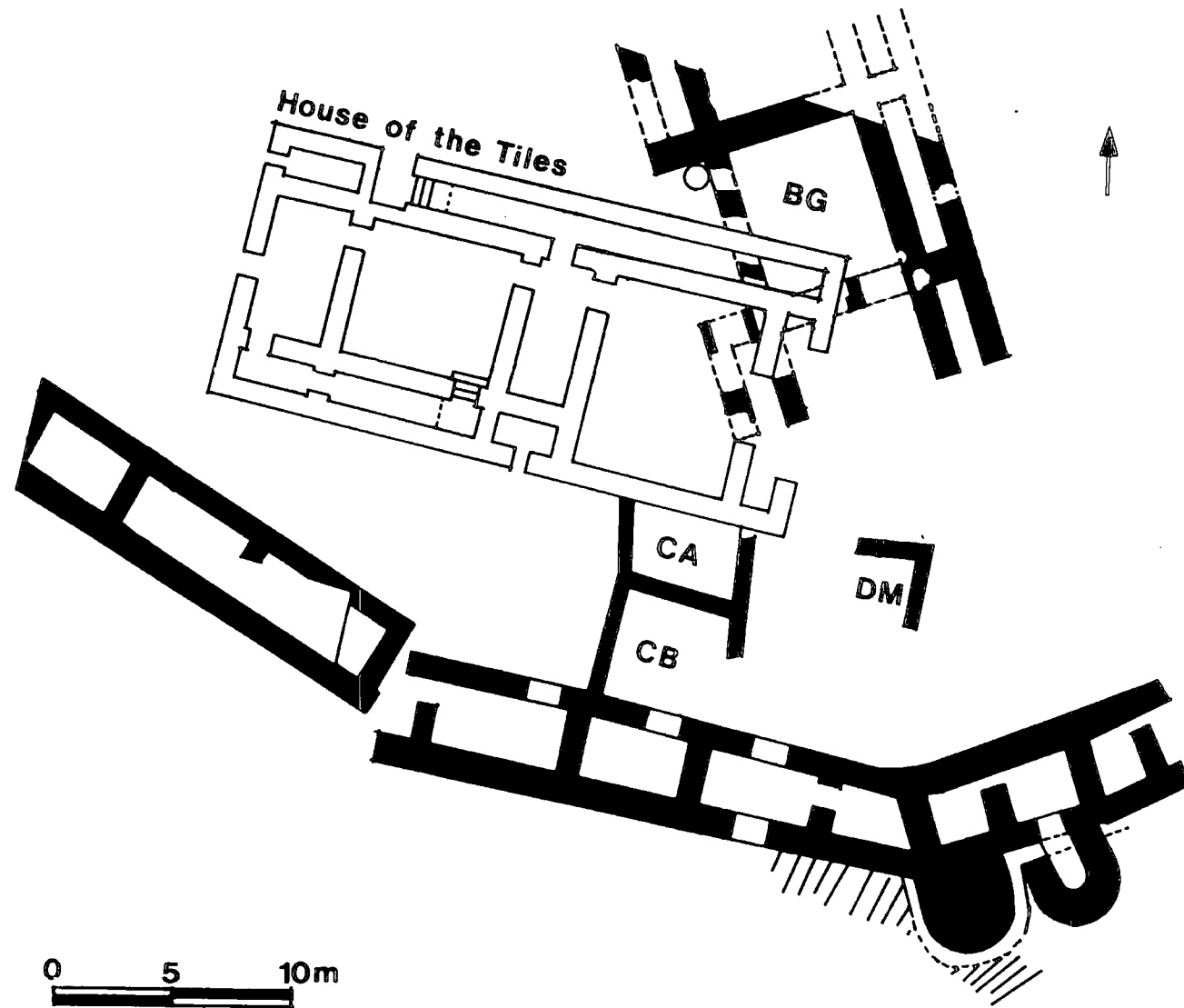


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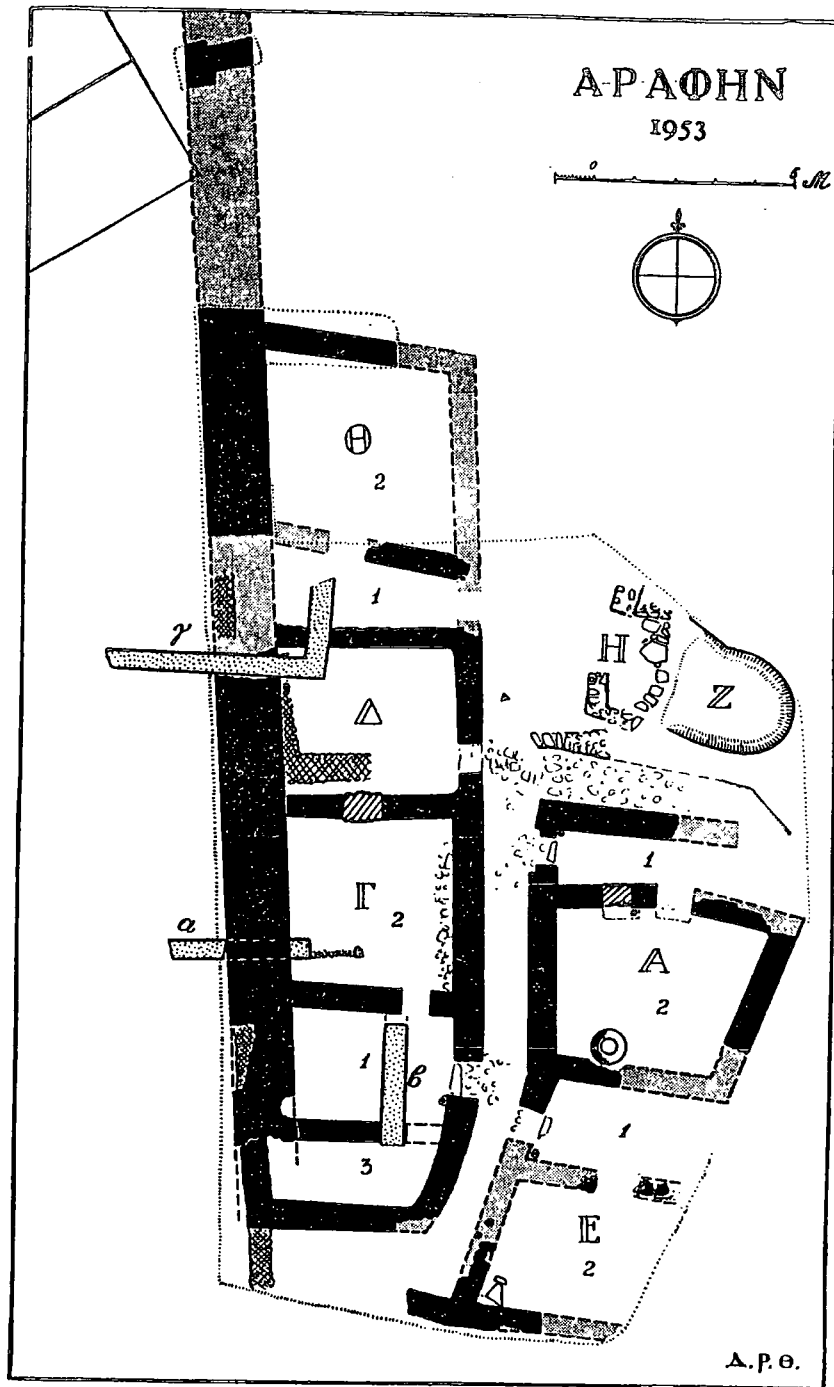


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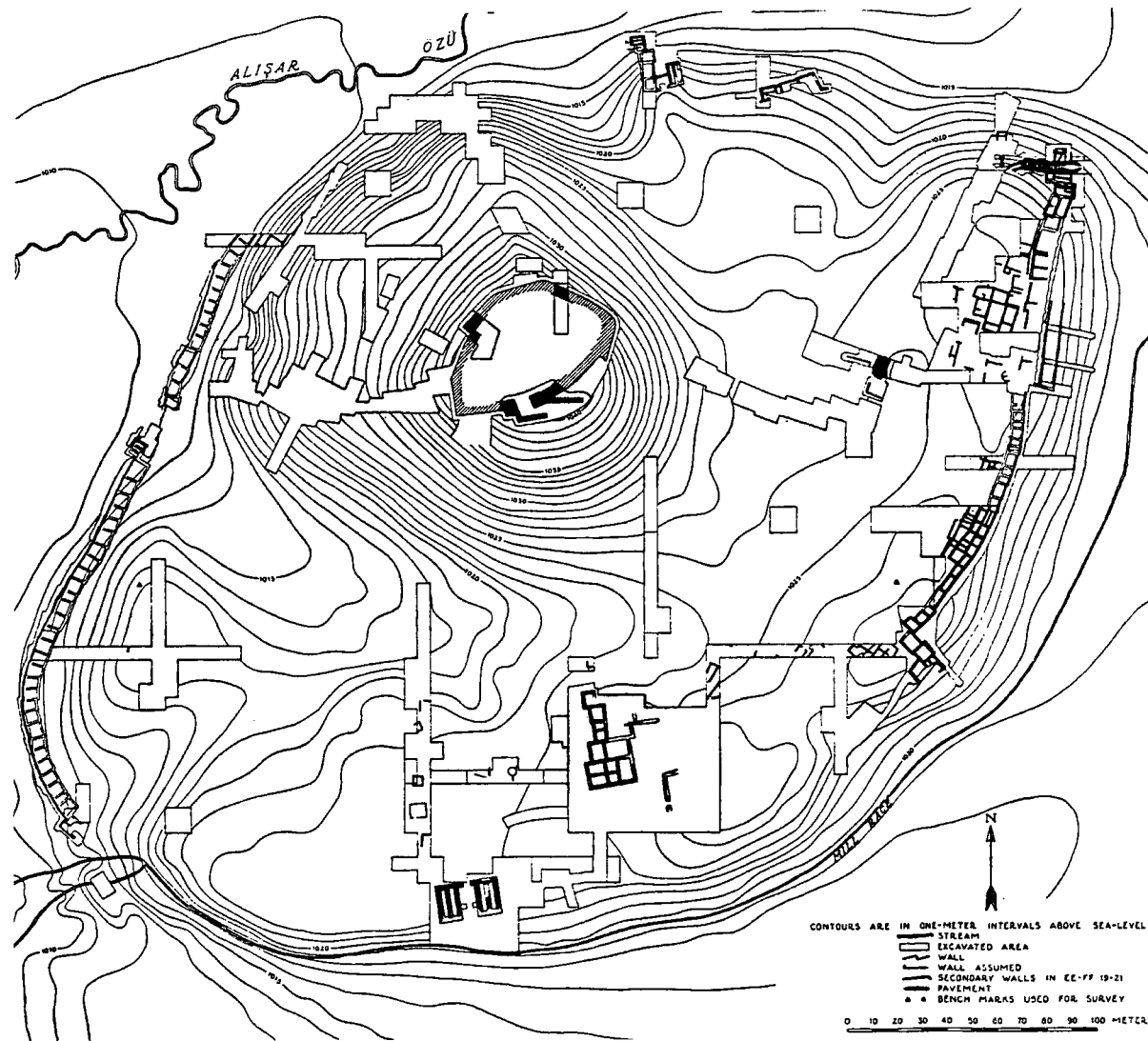


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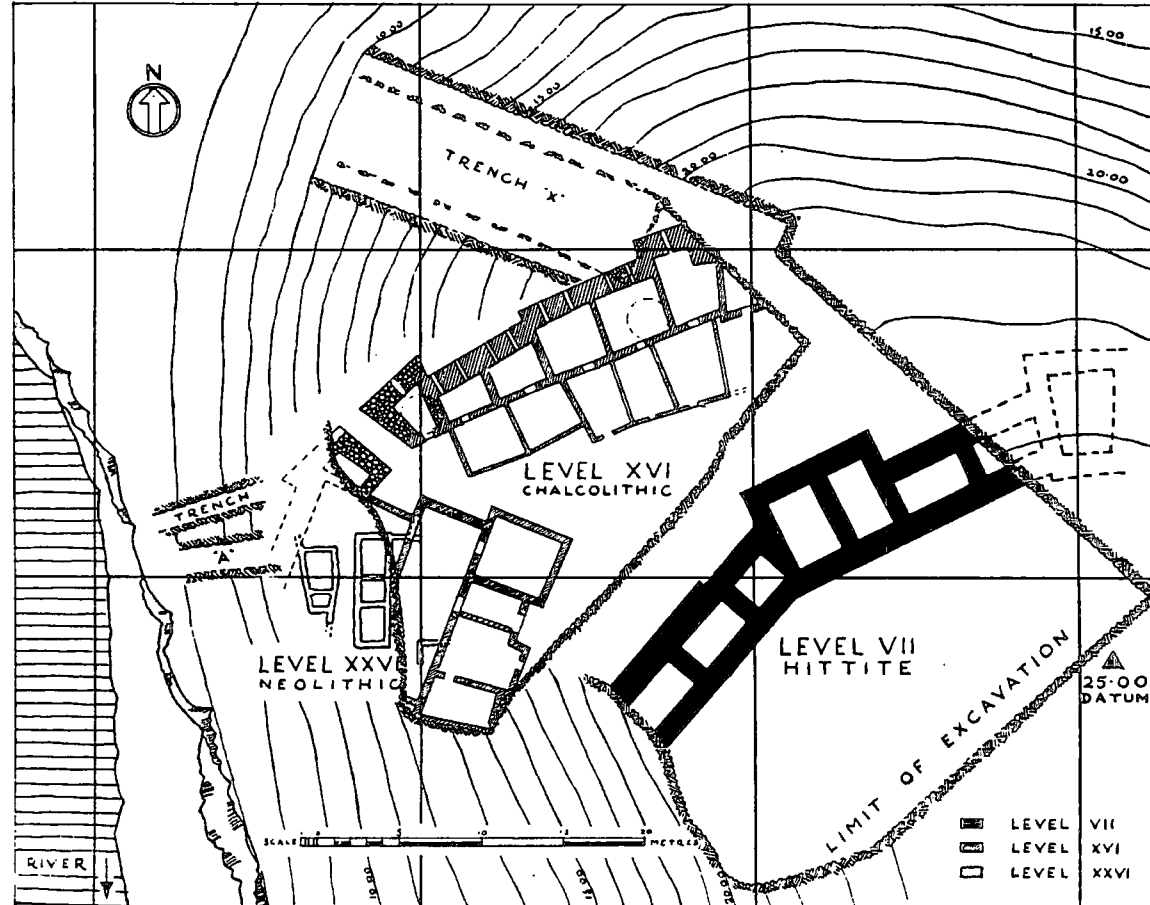


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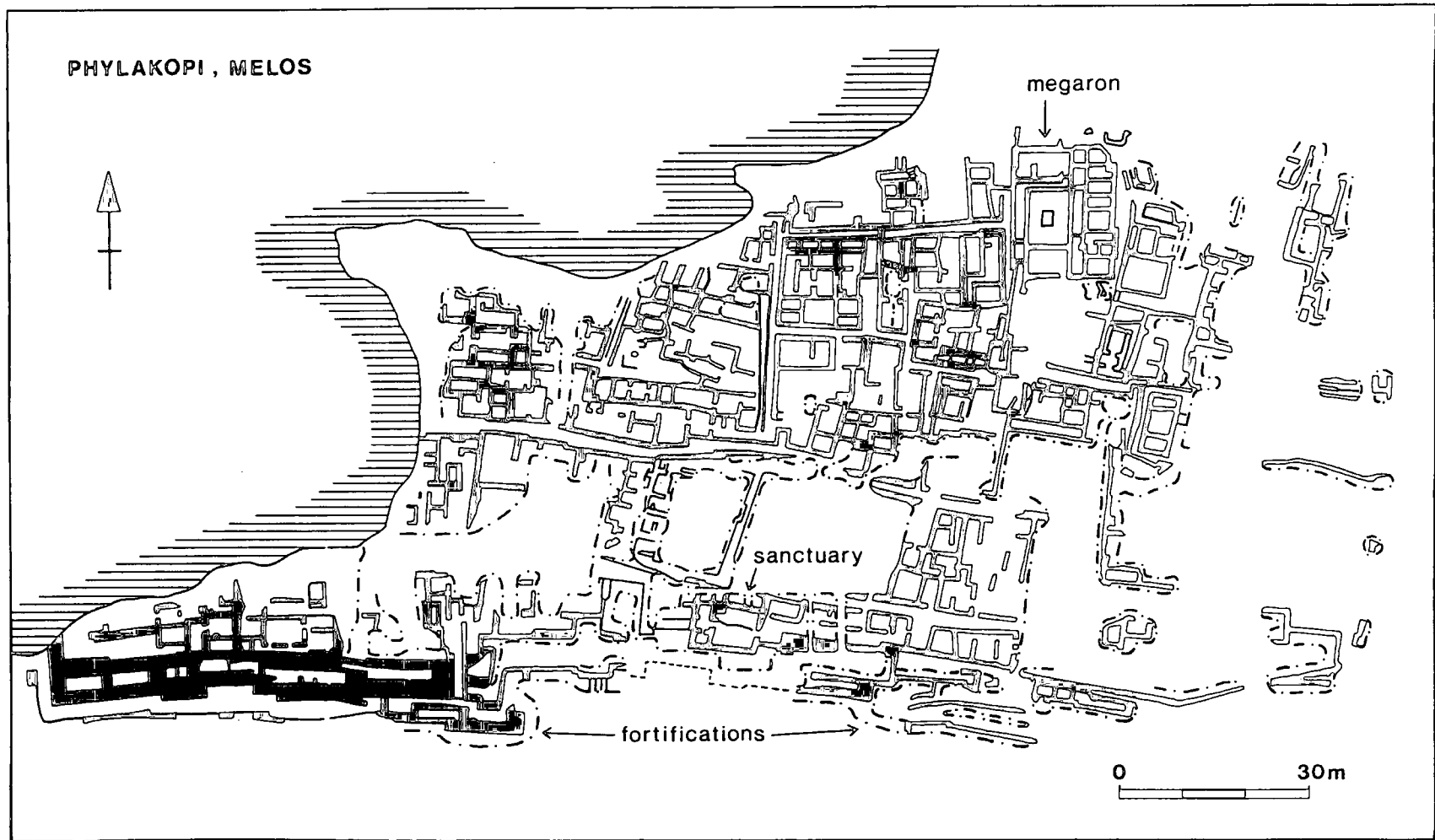
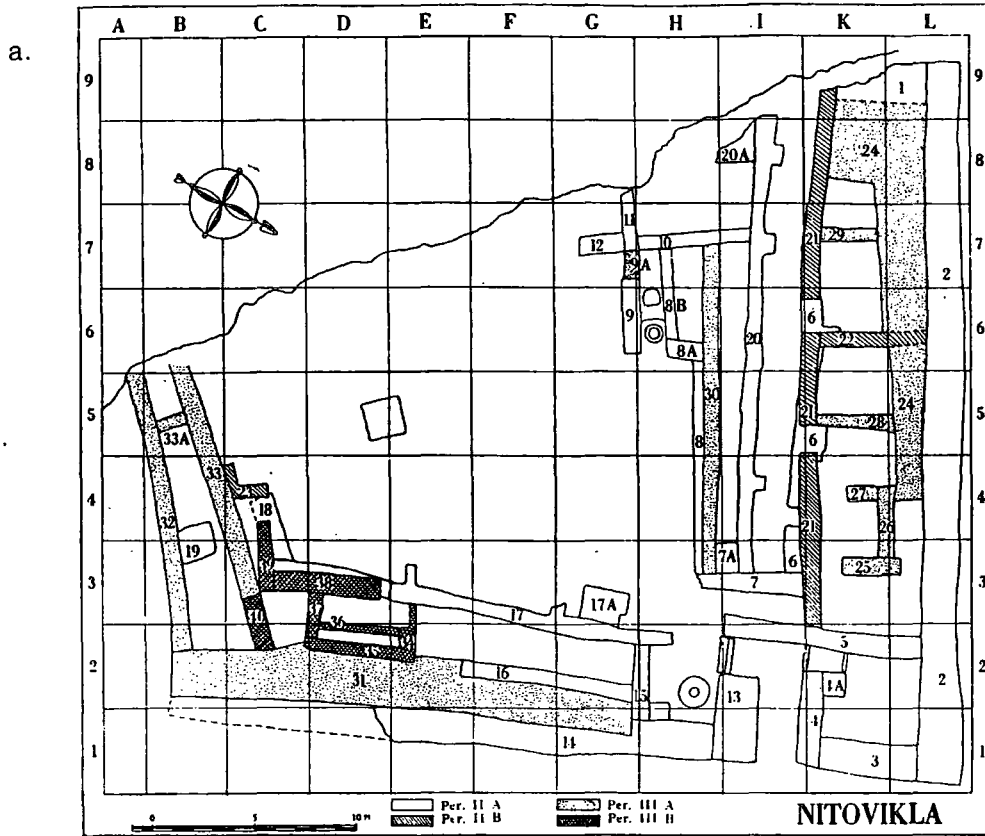


Figure 6.8. Melos: Phylakopi. Plan of third city (Barber 1987: fig. 45, after Renfrew & Wagstaff 1982: 42).





b.

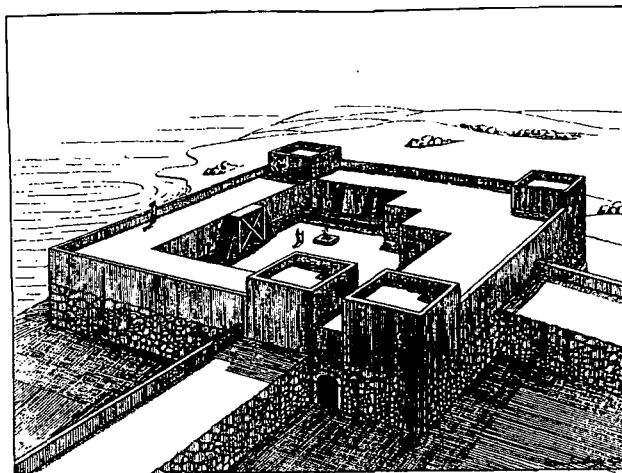


Figure 6.9. Korovia: Nitovikla. (a.) Plan, (b.) Reconstruction (Aström 1972 IV.IC: figs. 18, 19).

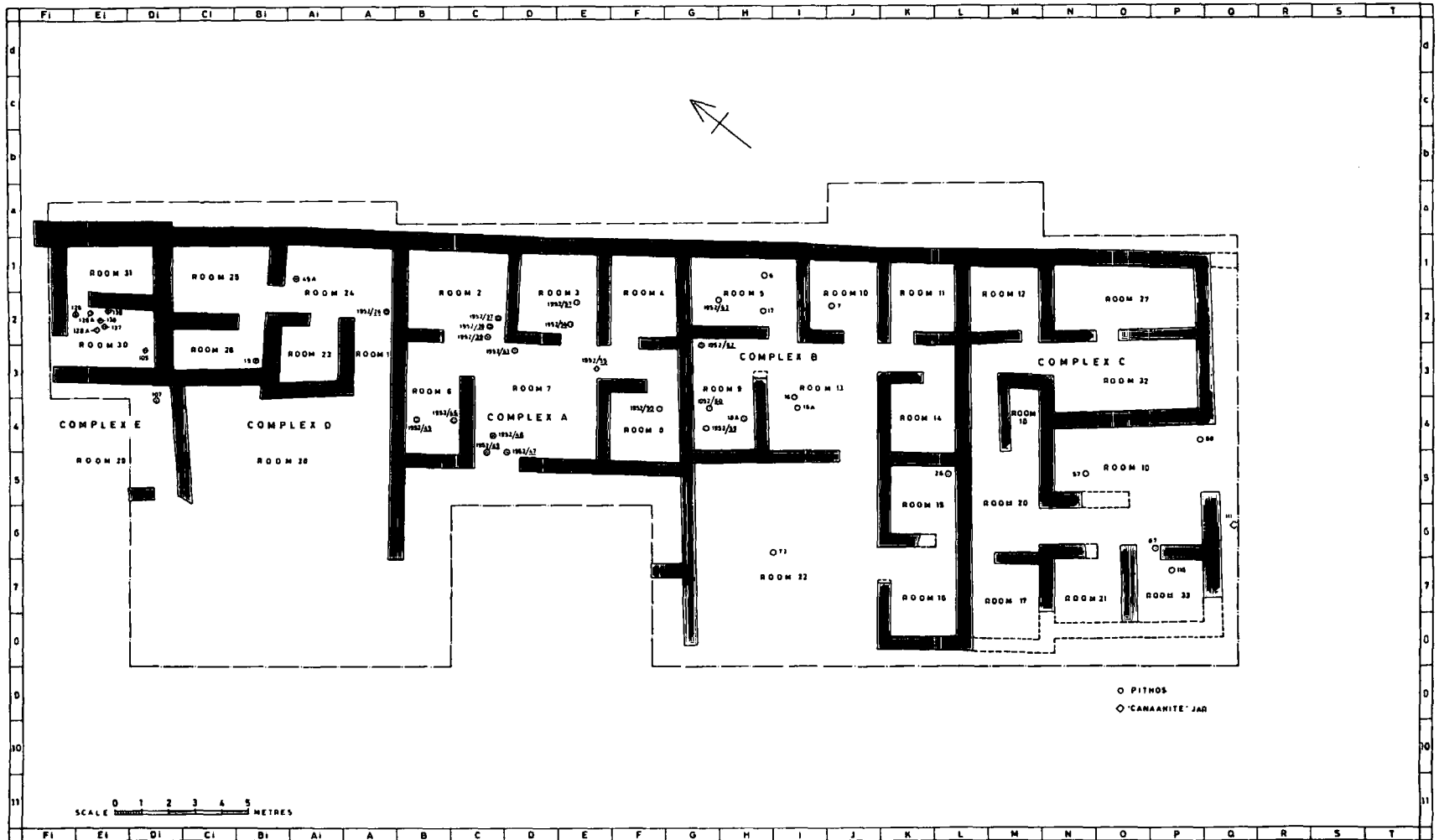


Figure 6.10. Pyla-Kokkinokremos. Plan of area 2 (Karageorghis & Demas 1984: fig. 4).

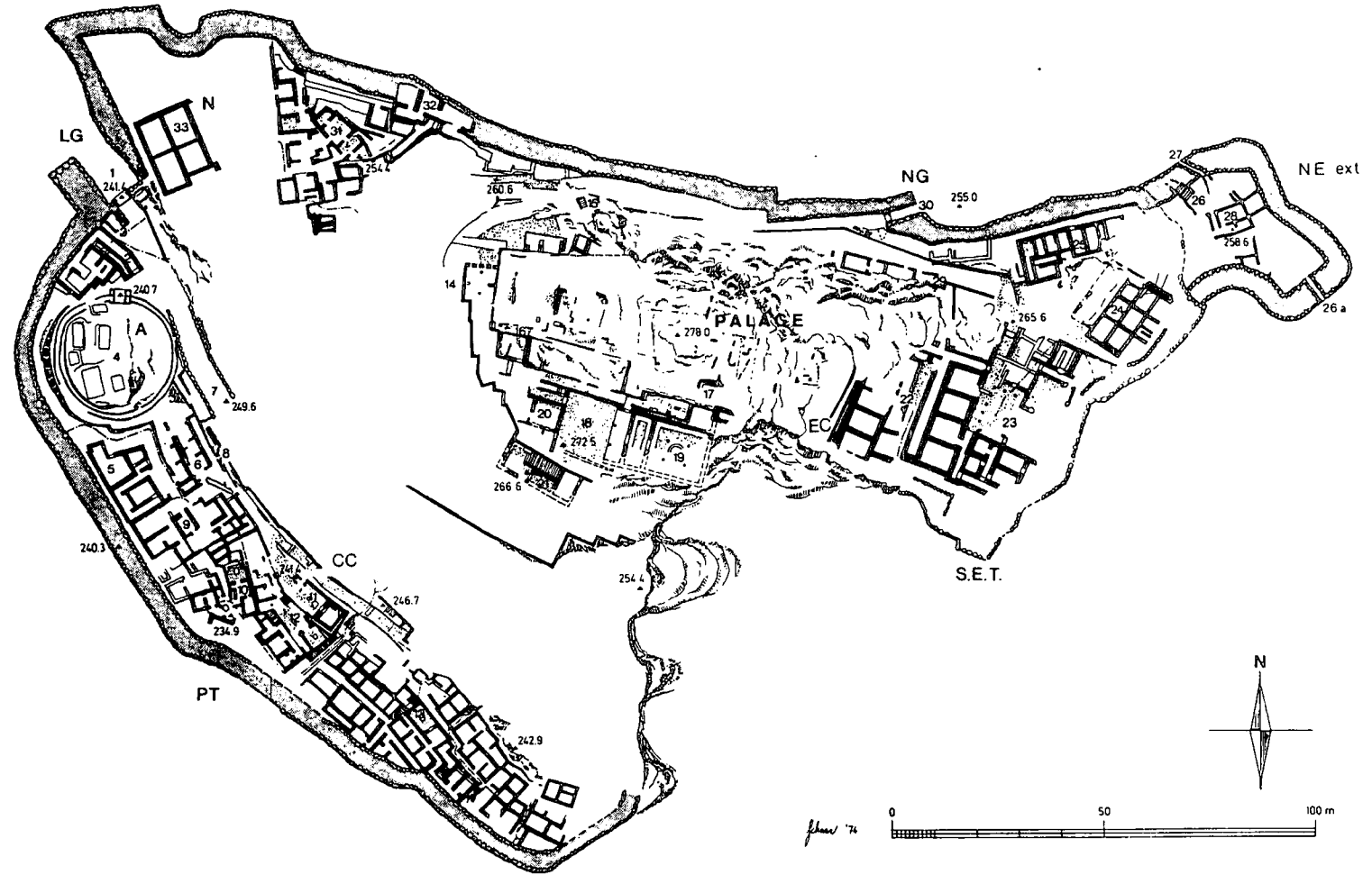


Figure 6.11. Mycenae. Plan of citadel (Iakovidis 1983: plan 4).



Figure 6.12. Gla. North wall showing offsets.

AYIA IRINI, KEA – General plan of Late Bronze Age town

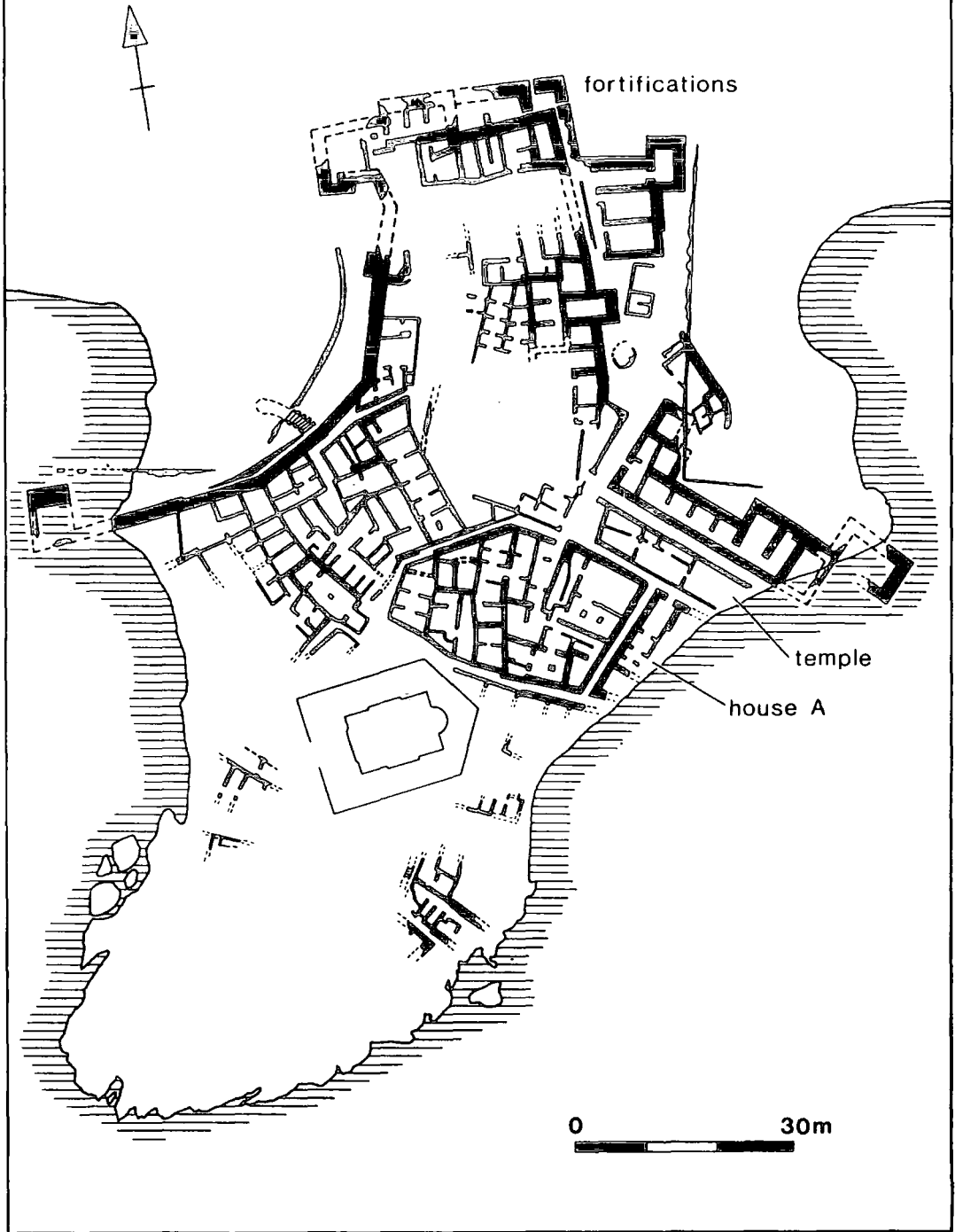


Figure 6.13. Keos: Ayia Irini. Plan of site (Barber 1987: fig. 46, after Cummer & Schofield 1984: pl. III).

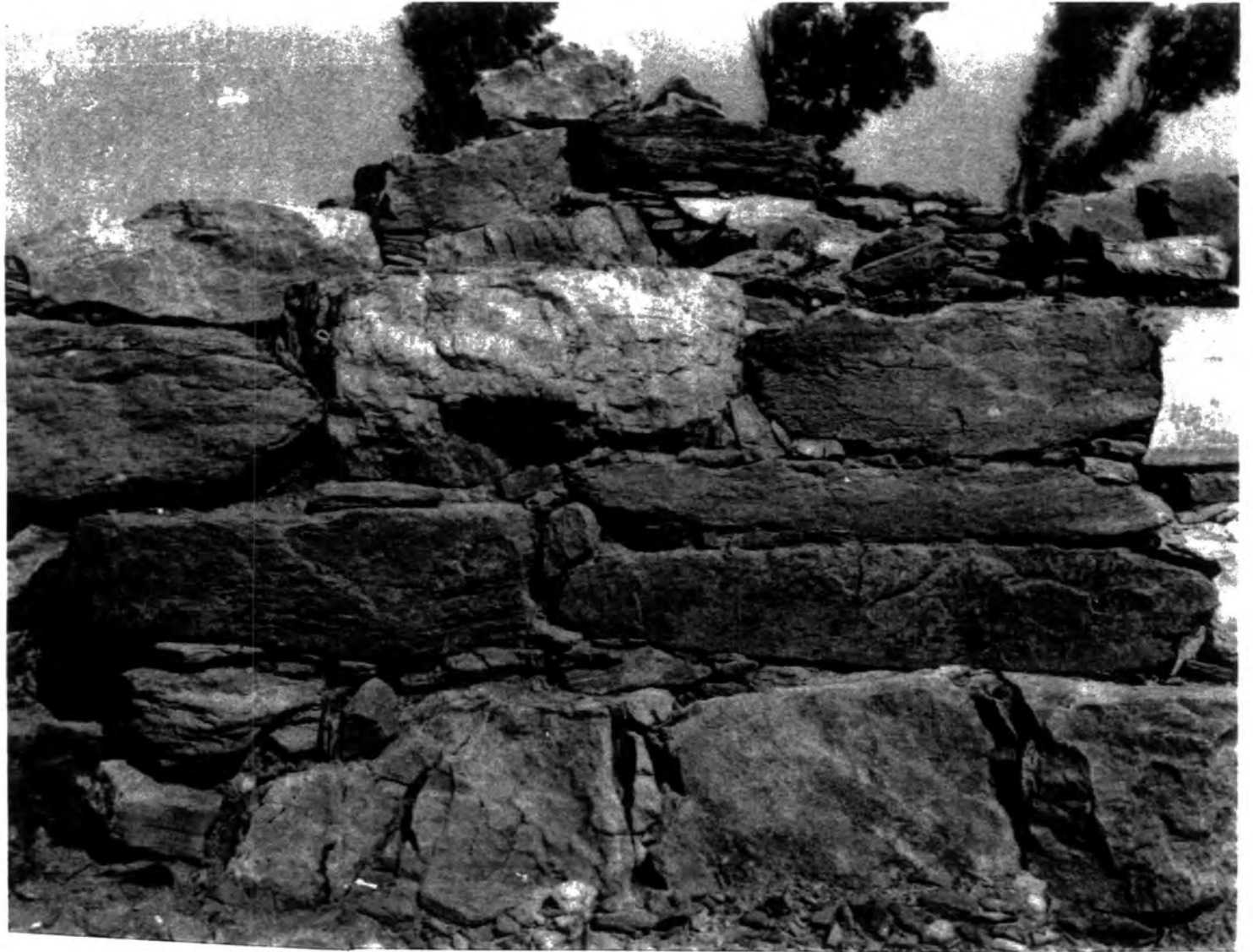


Figure 6.14. Keos: Ayia Irini. Detail of fortification (Barber 1987: fig. 34).

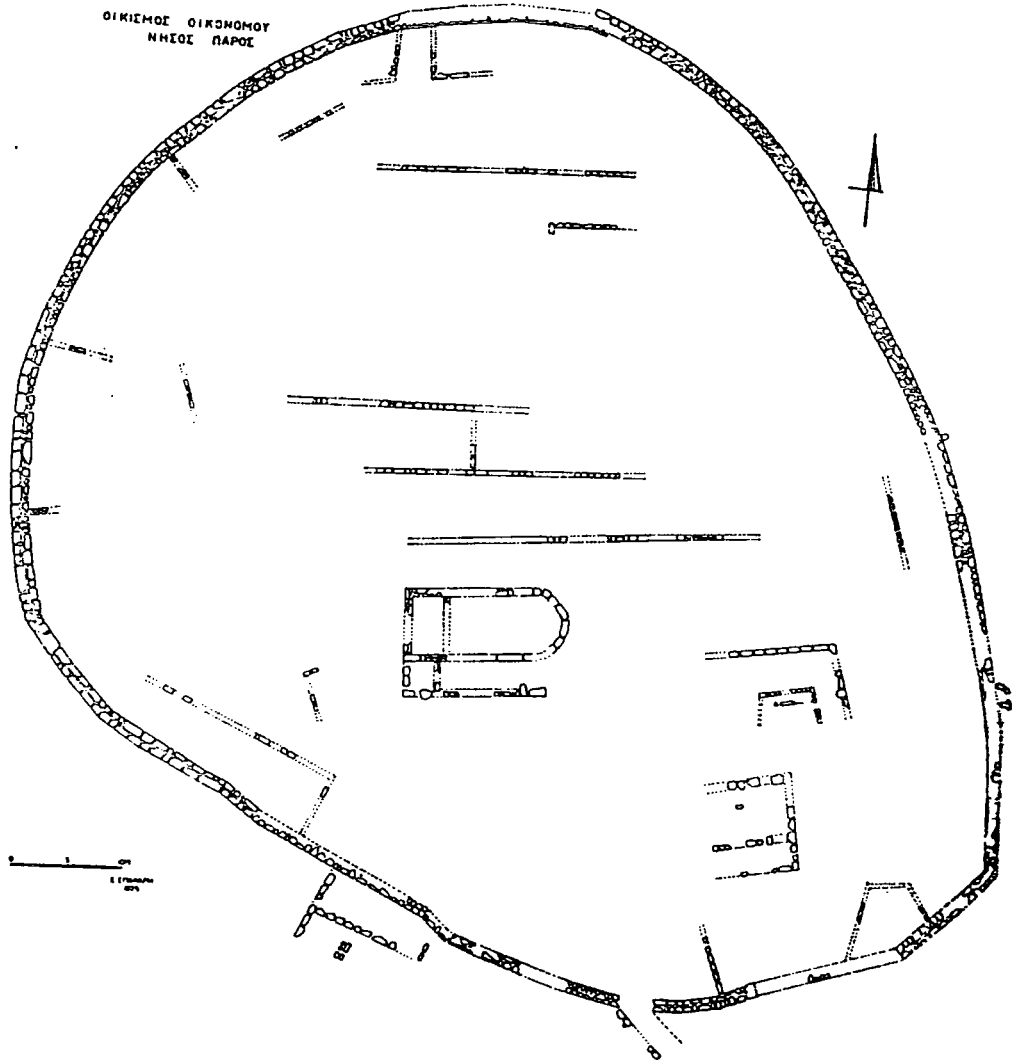


Figure 6.15. Paros: Koukounaries. Plan. (Schilardi 1975: fig. 3).

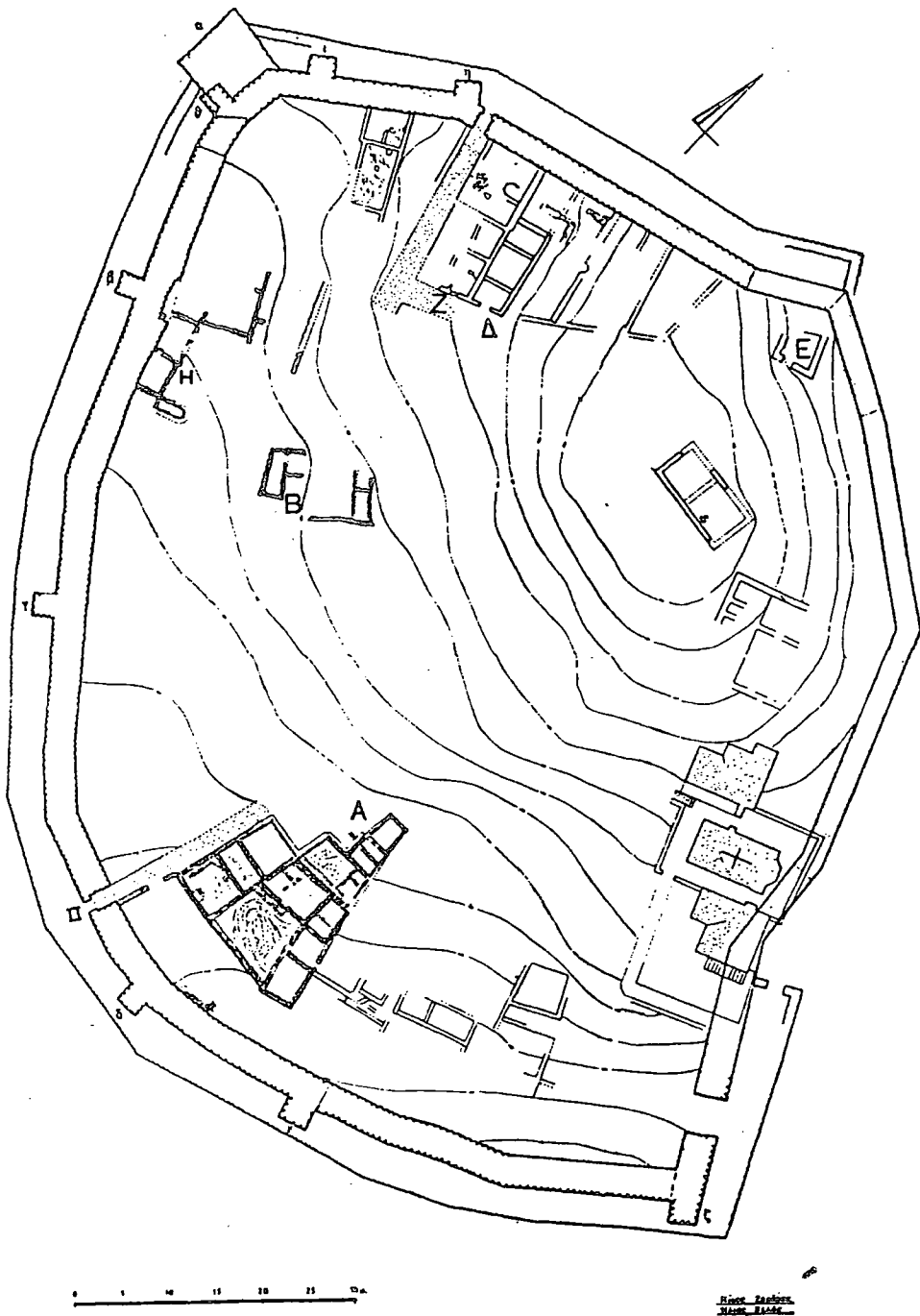


Figure 6.16. Siphnos: Ayios Andreas. Plan (Philippaki 1978: fig. 1).



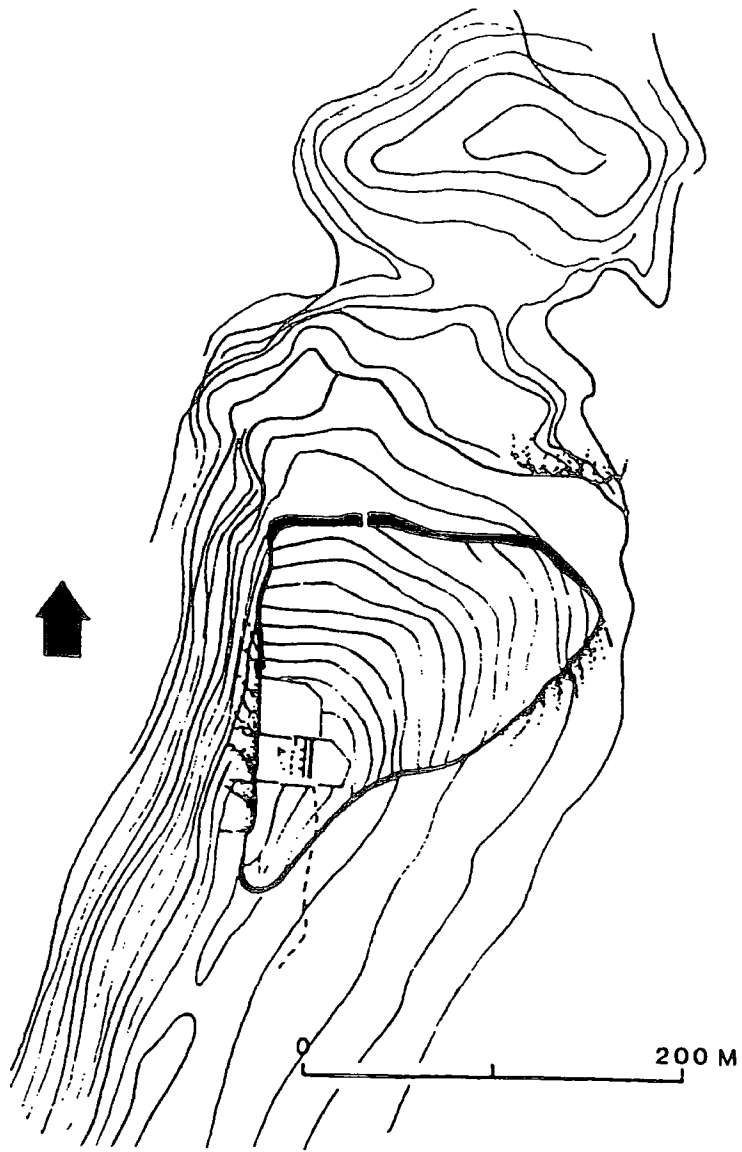


Figure 6.17. Juktas. Plan (Hayden 1988: fig. 12).

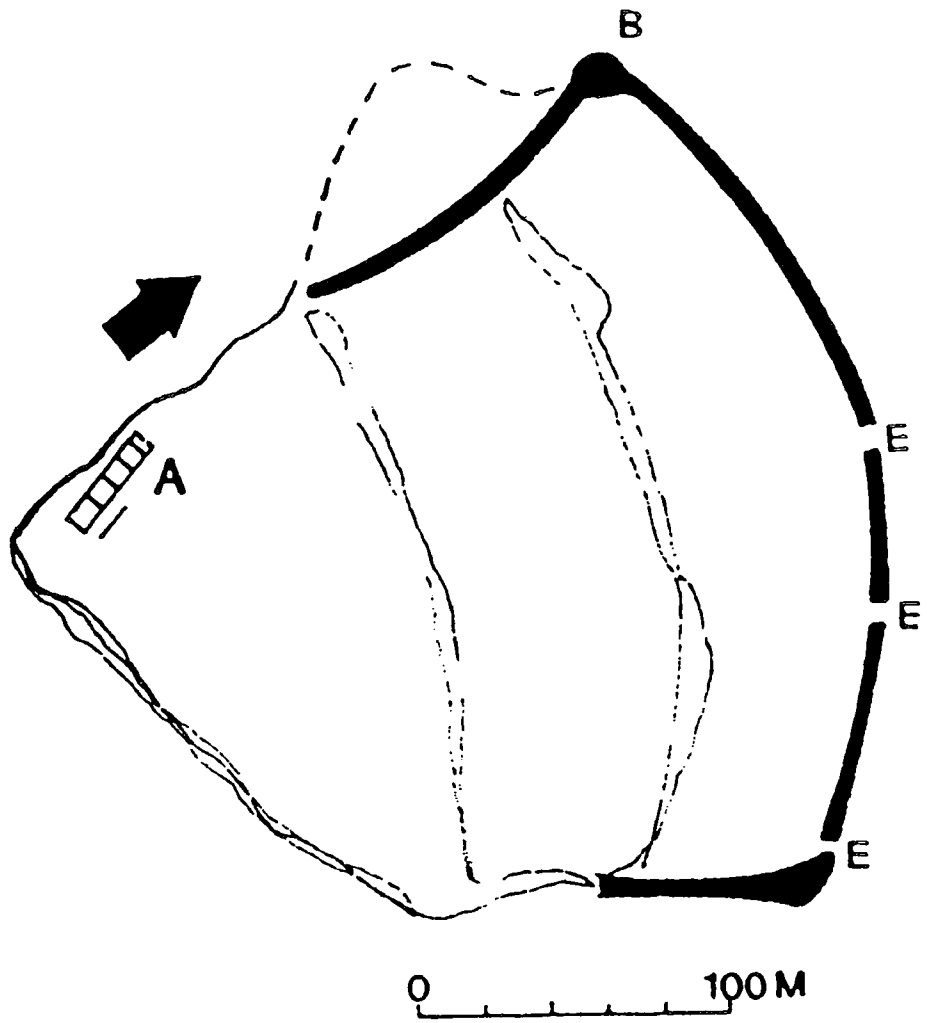


Figure 6.18. Kastrokephala. Plan (Hayden 1988: fig. 2).

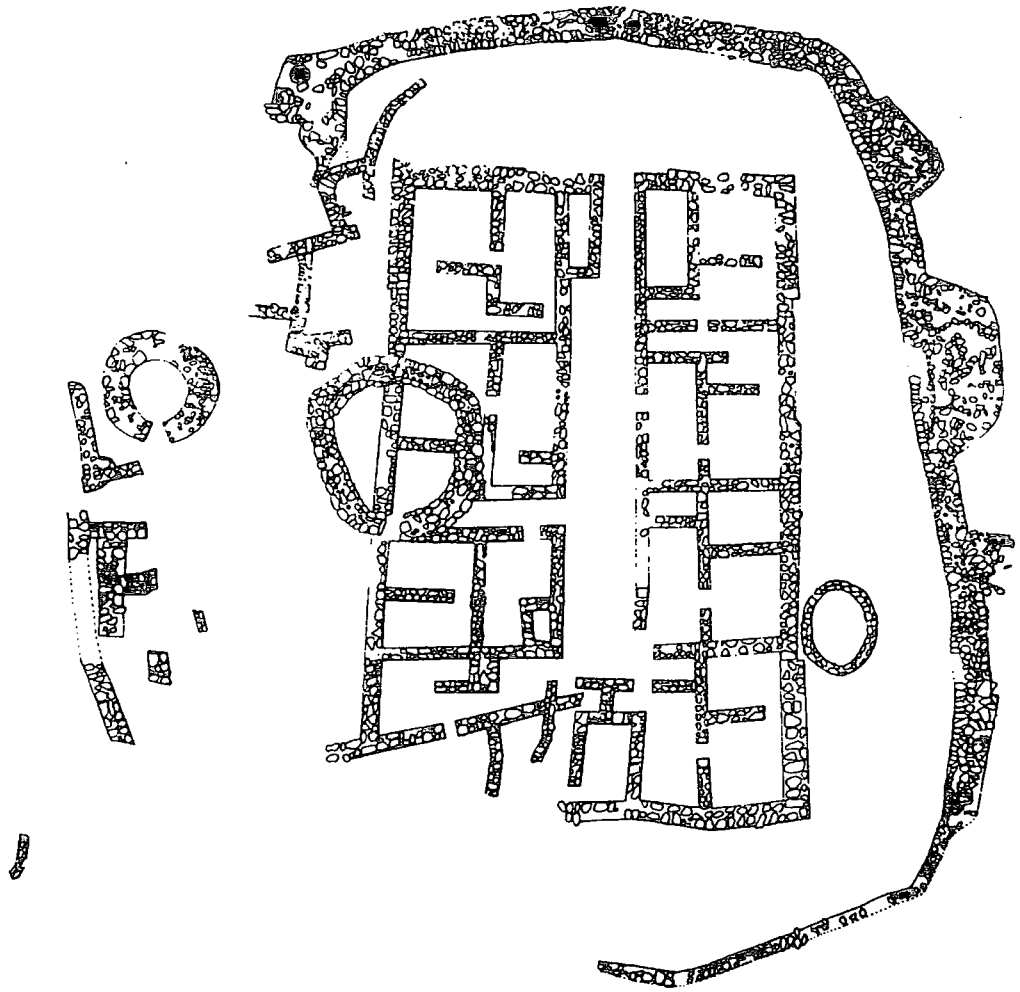


Figure 6.19. Siteia: Ayia Photia. Plan (Tsipopoulou 1990: fig. 1).

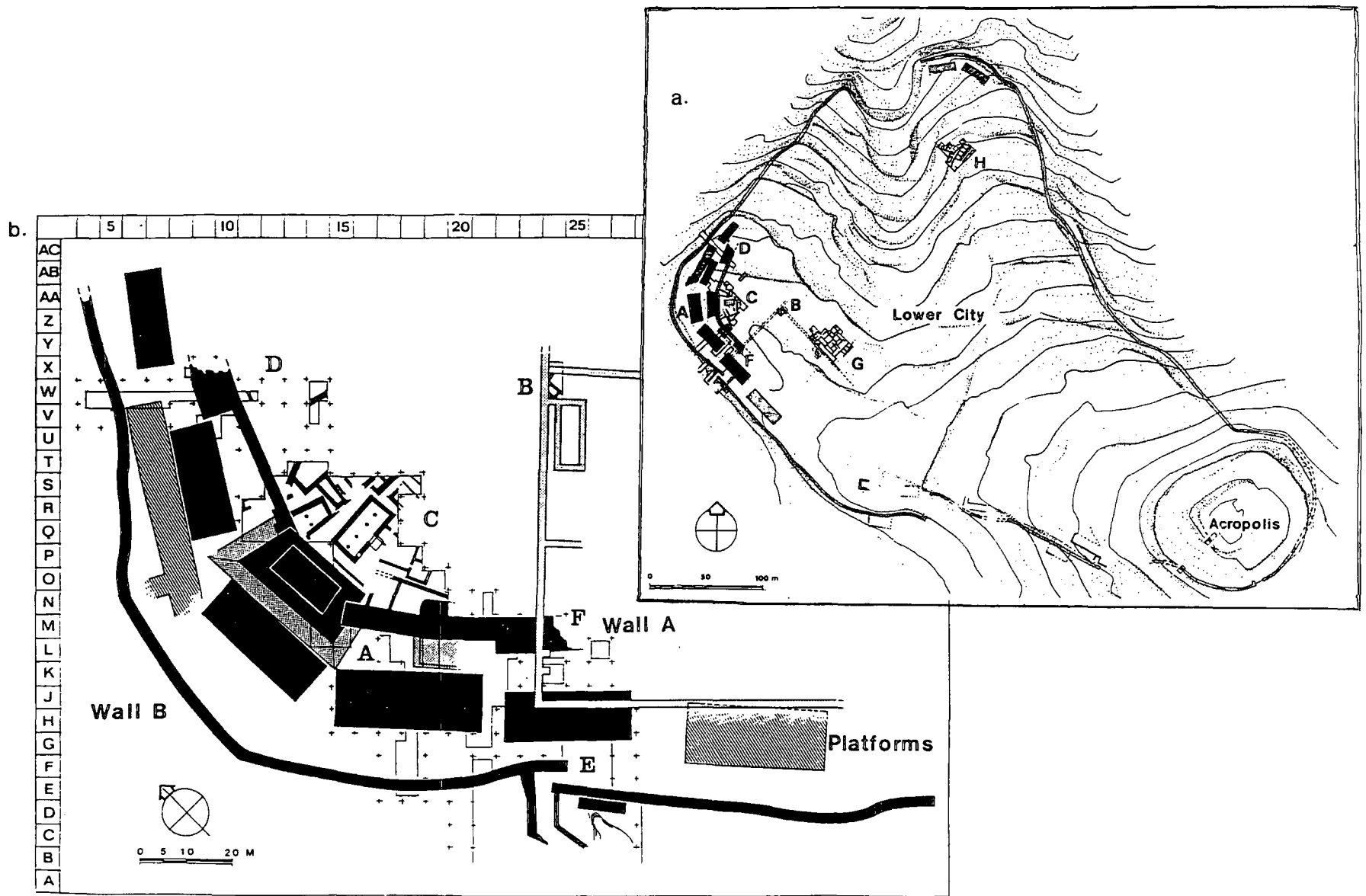


Figure 6.20. Tel Yarmut. (a.) Site plan, (b.) Plan of west corner of lower city (De Miroshedji 1990: ill. 1 & 2).

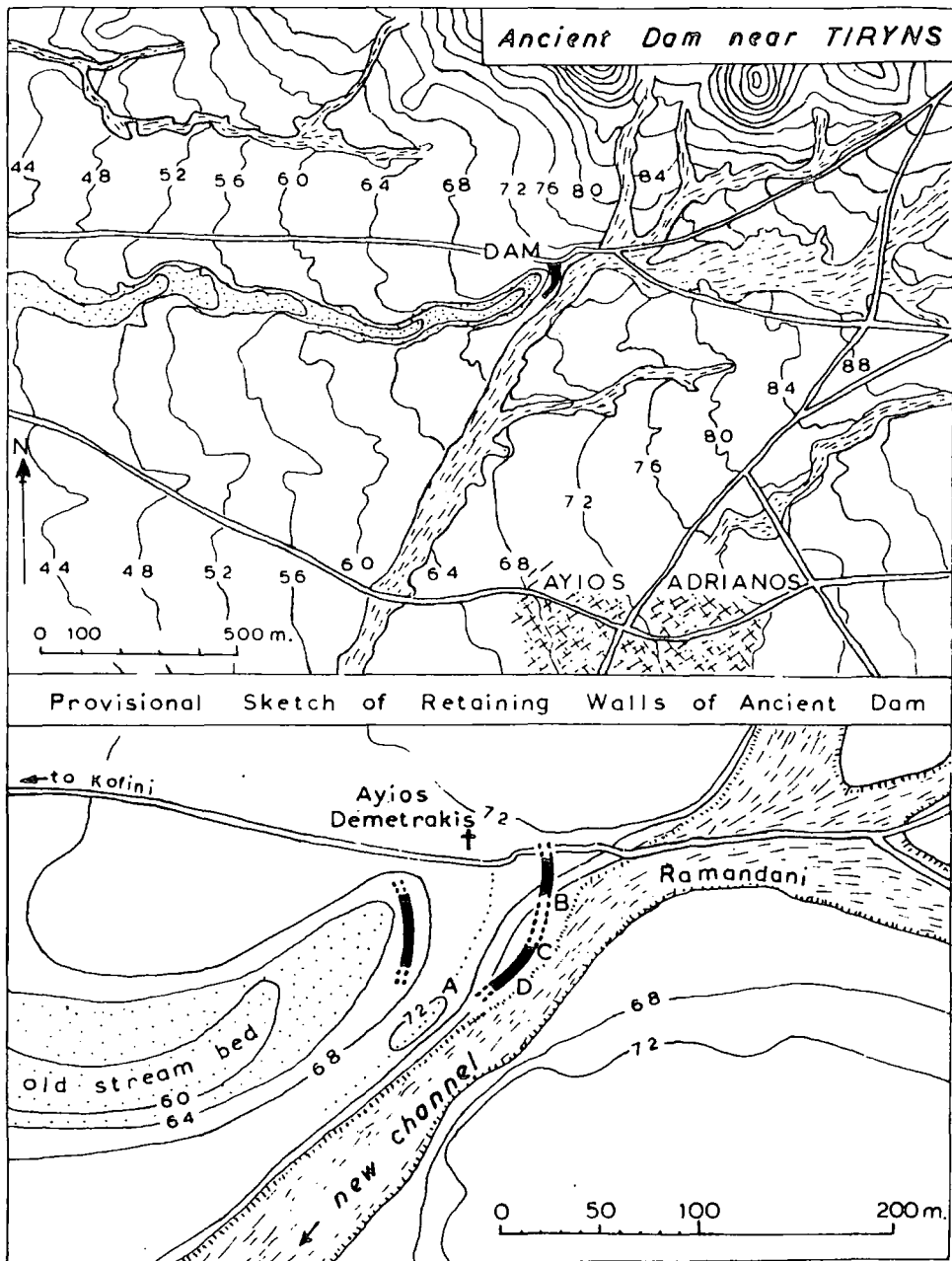


Figure 6.21. Tiryns. Dam west of acropolis (Hope Simpson 1981: fig. 3).

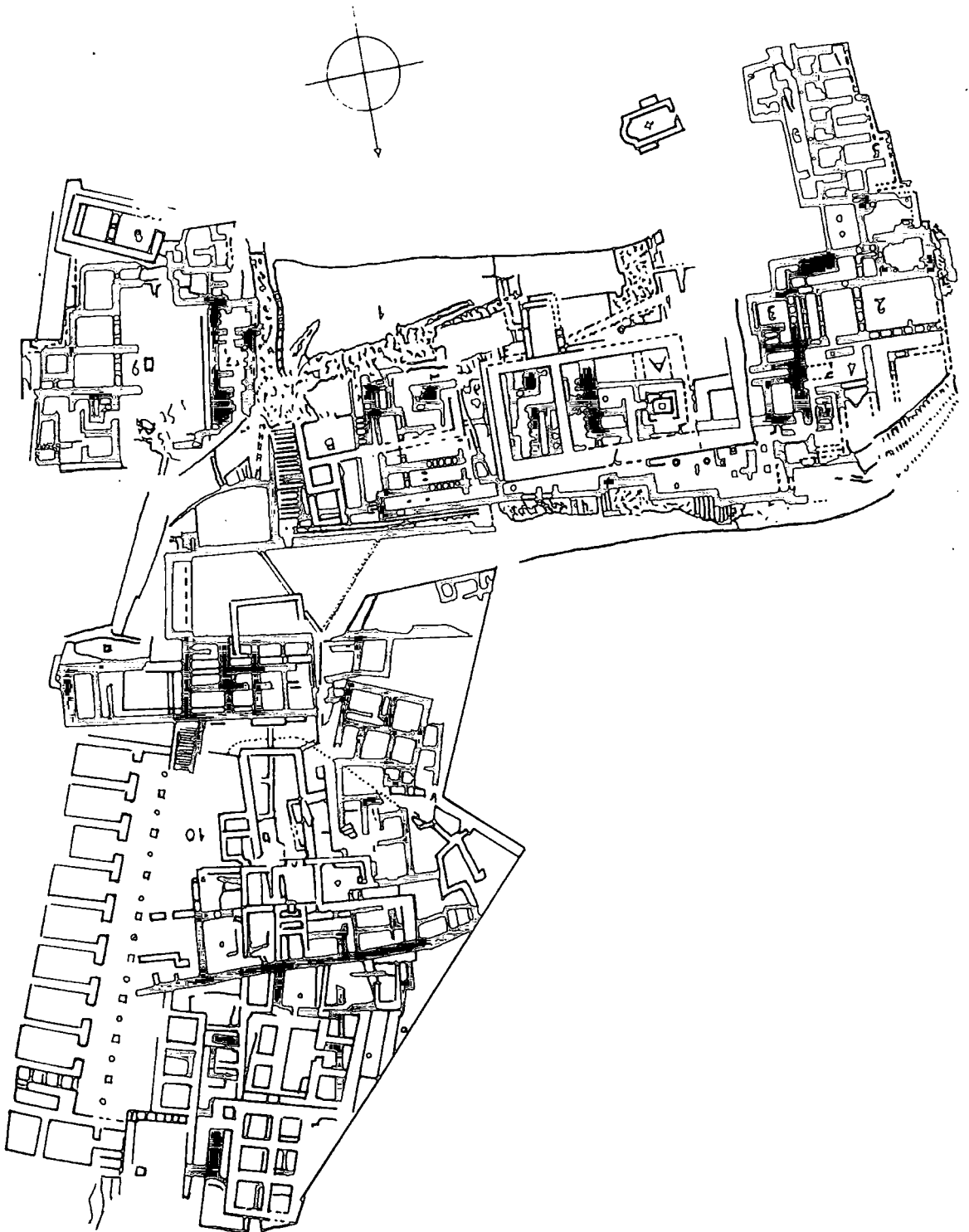


Figure 6.22. Ayia Triada. Plan (Vassilakis, A. (und.) *Phaistos*. Athens: Mathioulakis).

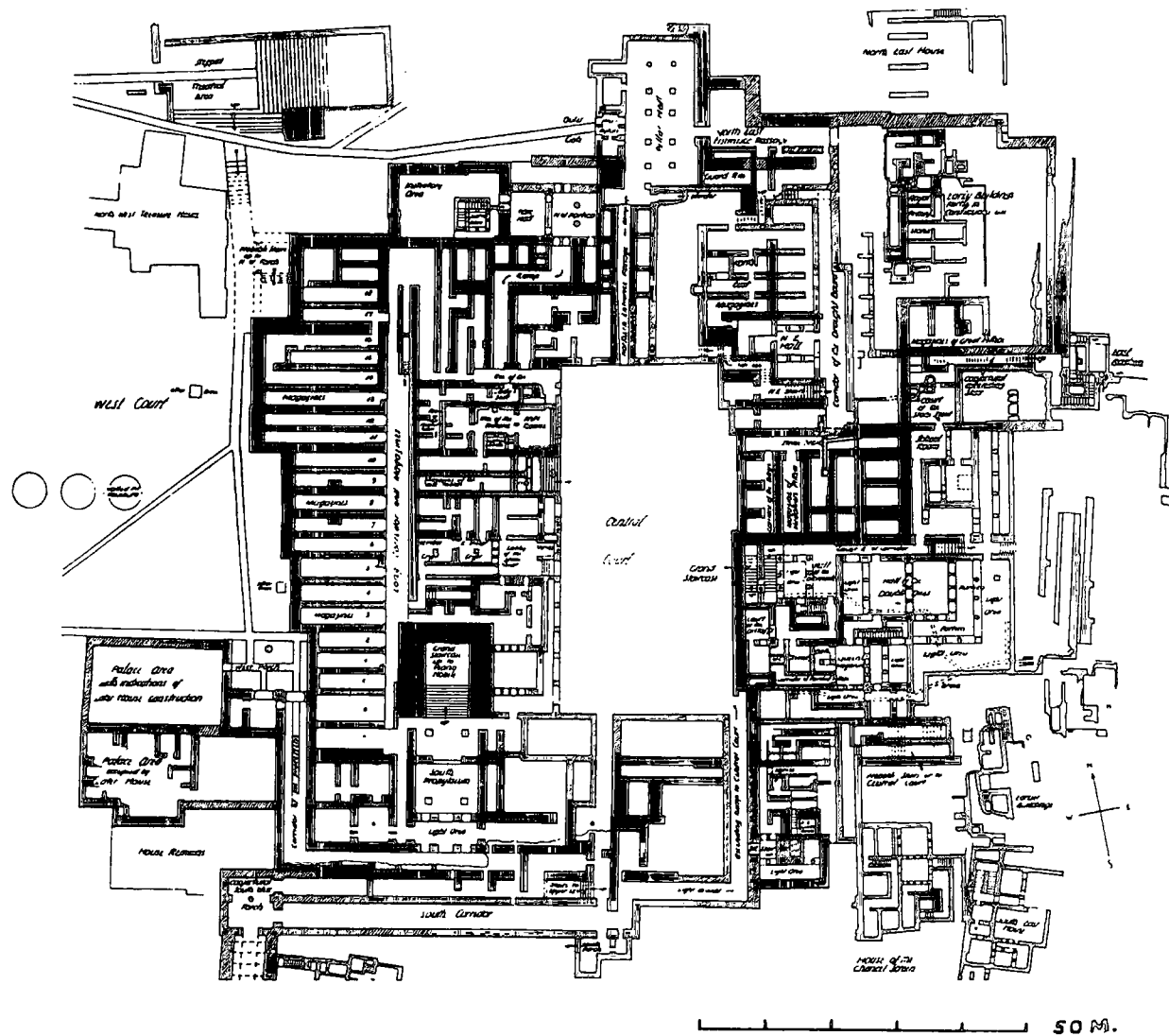


Figure 6.23. Knossos. Plan of palace (Graham 1987: pl. 2).



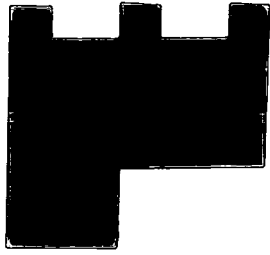
a. Simple - entry.



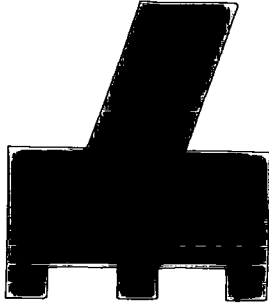
b. Single.



c. Two - entrance.



d. Three - entrance.



e. L - shaped entry.



Figure 6.24. Gate types.



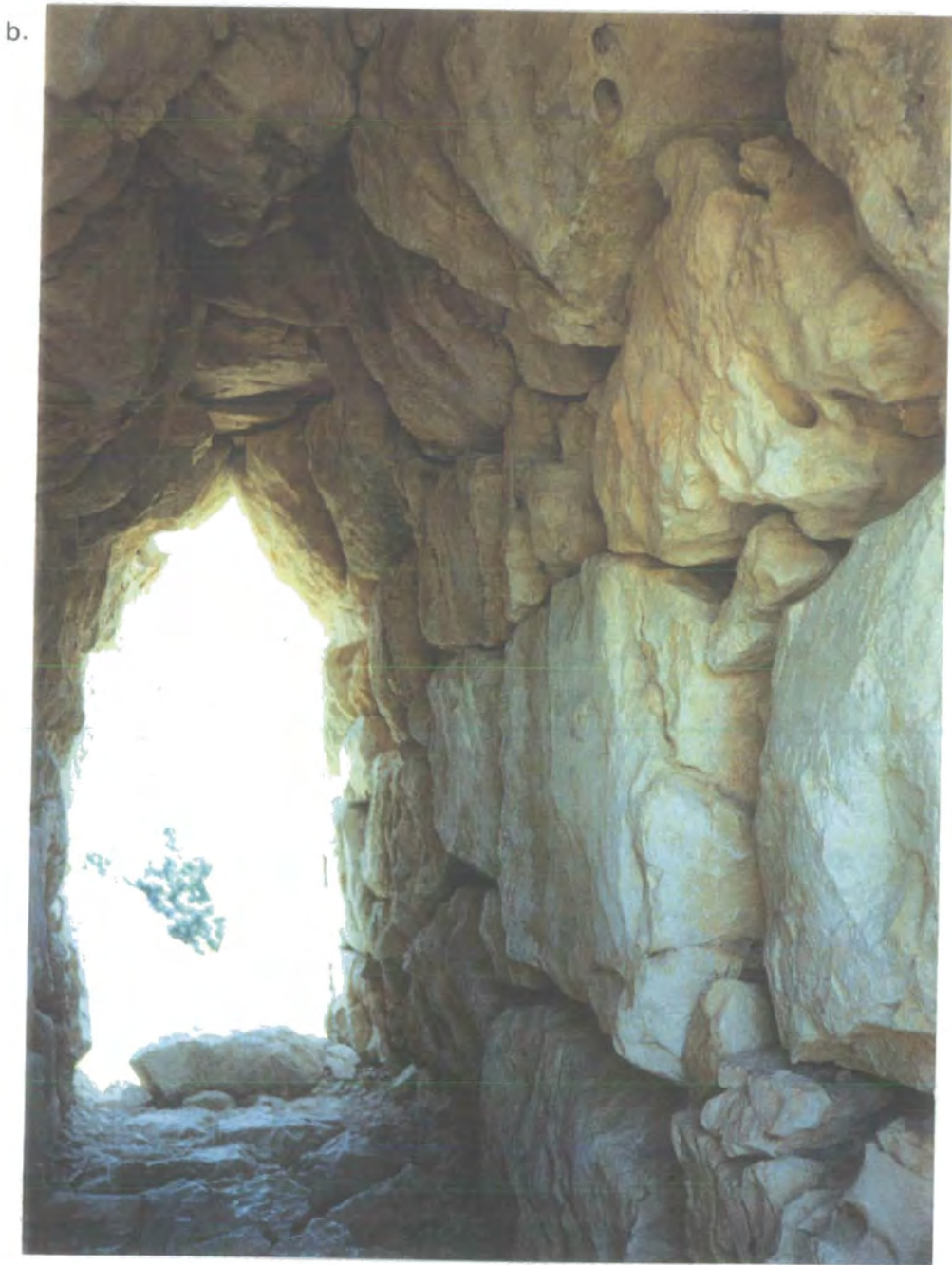
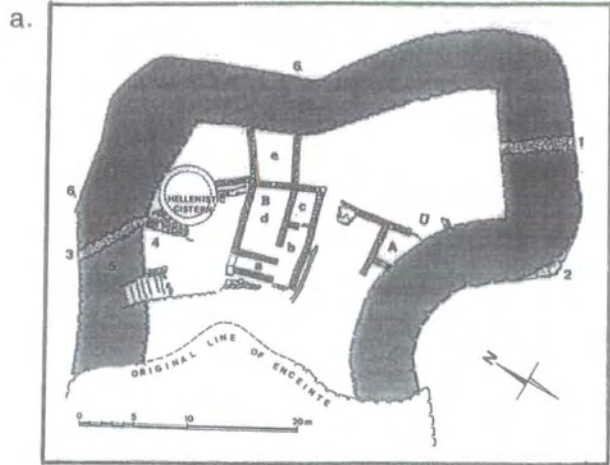


Figure 6.25. Mycenae. (a.) Plan of the north-east extension (Iakovidis 1983: pl. 10),  
 (b.) Detail of south sally-port.

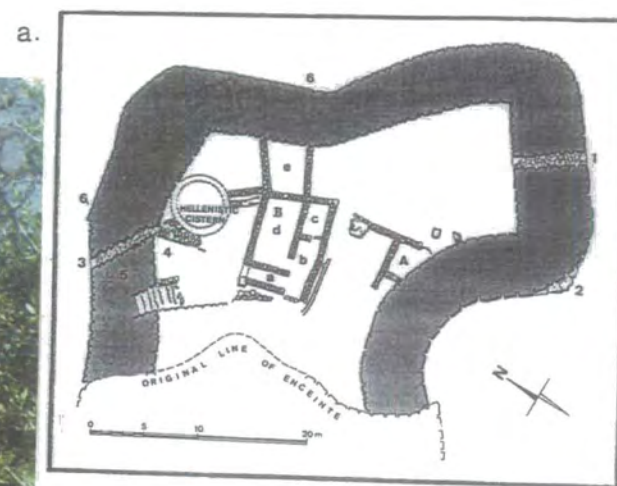


Figure 6.26. Mycenae. (a.) Plan of the north-east extension (Iakovidis 1983: pl. 10),  
(b.) North sally-port viewed from outside the fortification wall.

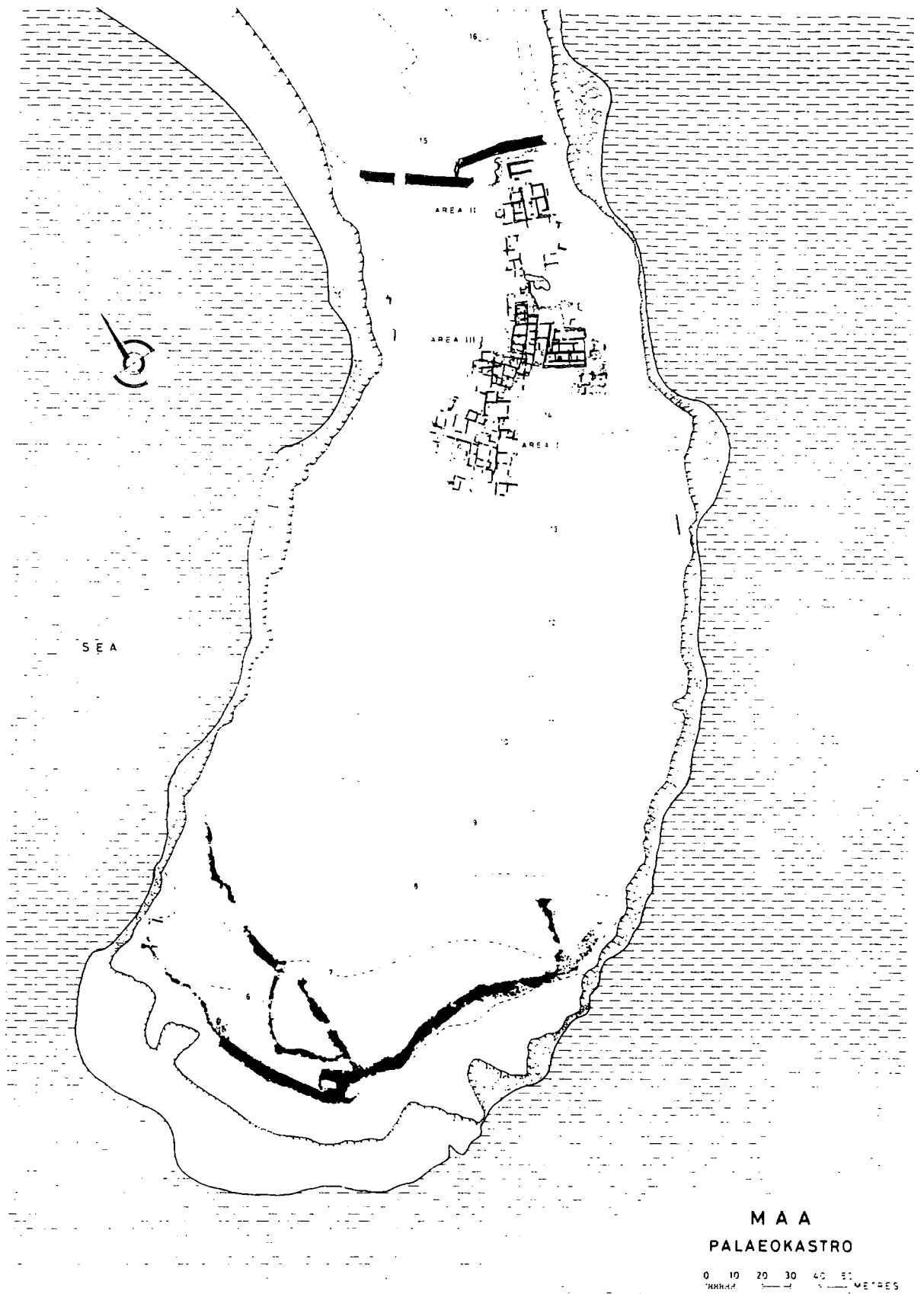


Figure 6.27. Maa: Palaiokastro. Site plan (Karageorghis & Demas 1988: pl. 2).

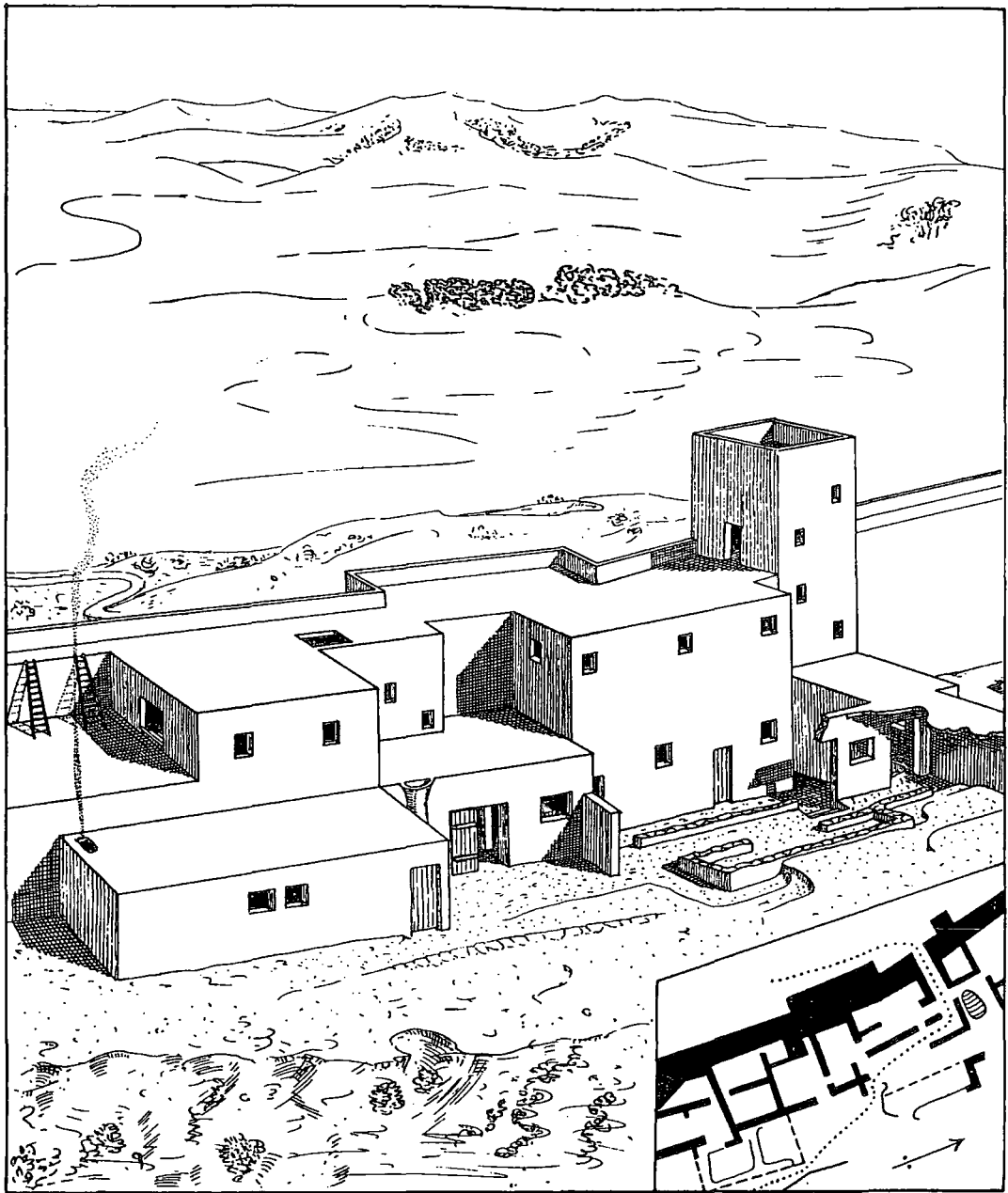


Figure 6.28. Idalion. Plan and reconstruction of North gate (Aström 1972 IV.IC: fig. 20).

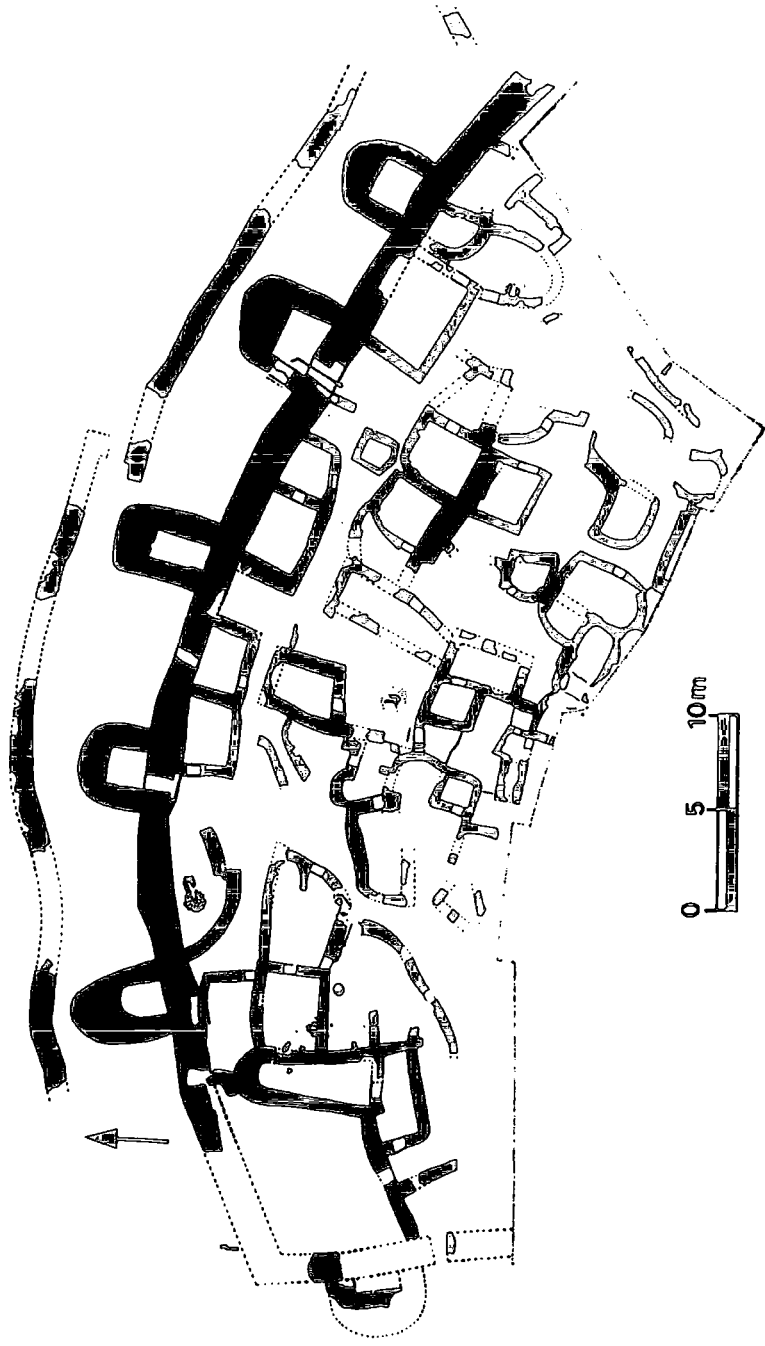


Figure 6.29. Syros: Kastro. Plan (Hägg & Konsola 1986: fig. 75).





Figure 6.30. Arad. Plan (Ben-Tor 1992: fig. 4.10).

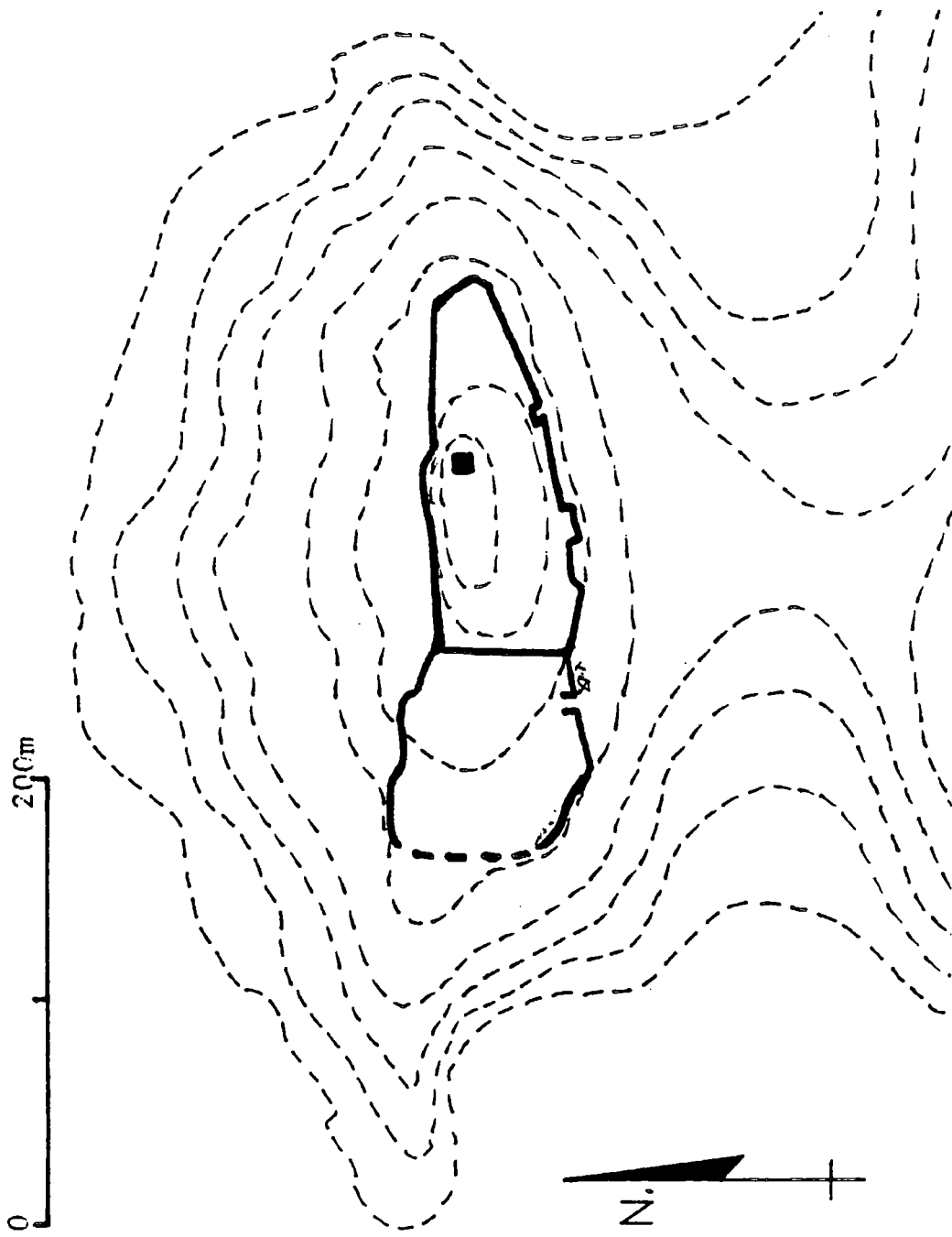


Figure 6.31. Ayia Marina. Plan (Fossey 1988: fig. 36).

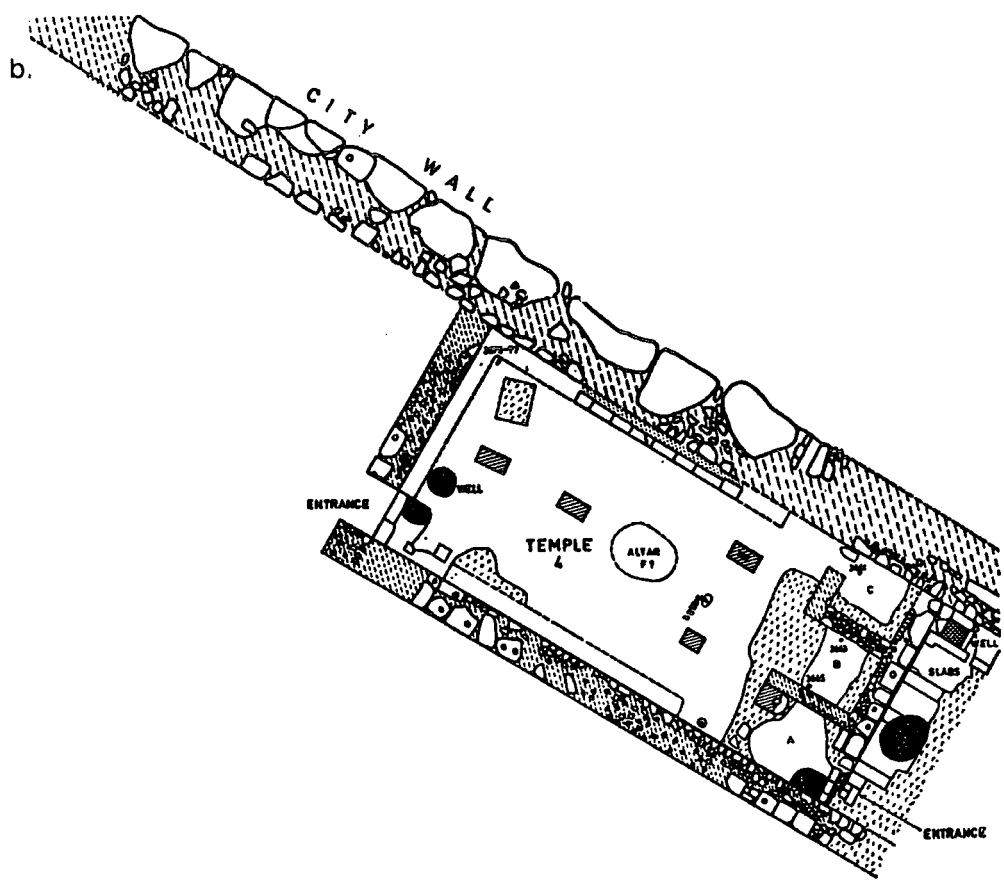
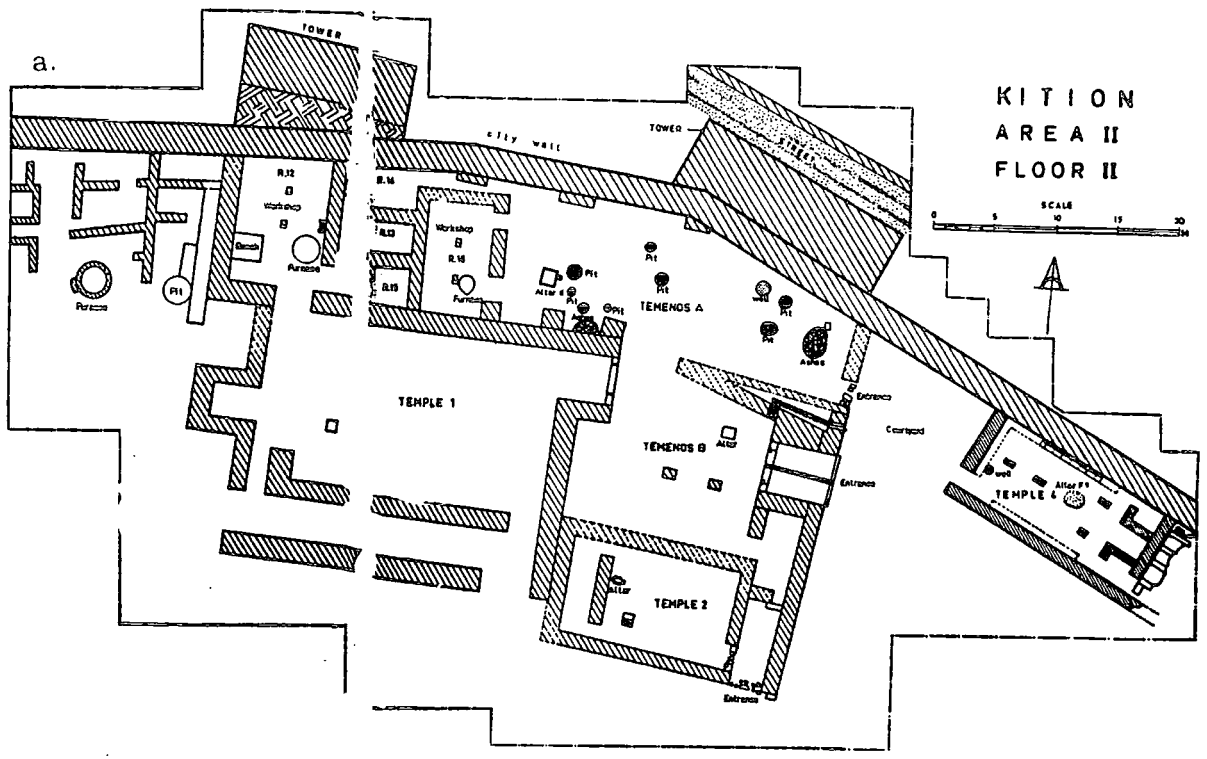


Figure 6.32. Kition. (a.) Plan of area II, (b.) Detail of plan of area II showing Temple 4 and city wall (Karageorghis 1976: figs. 13-14).



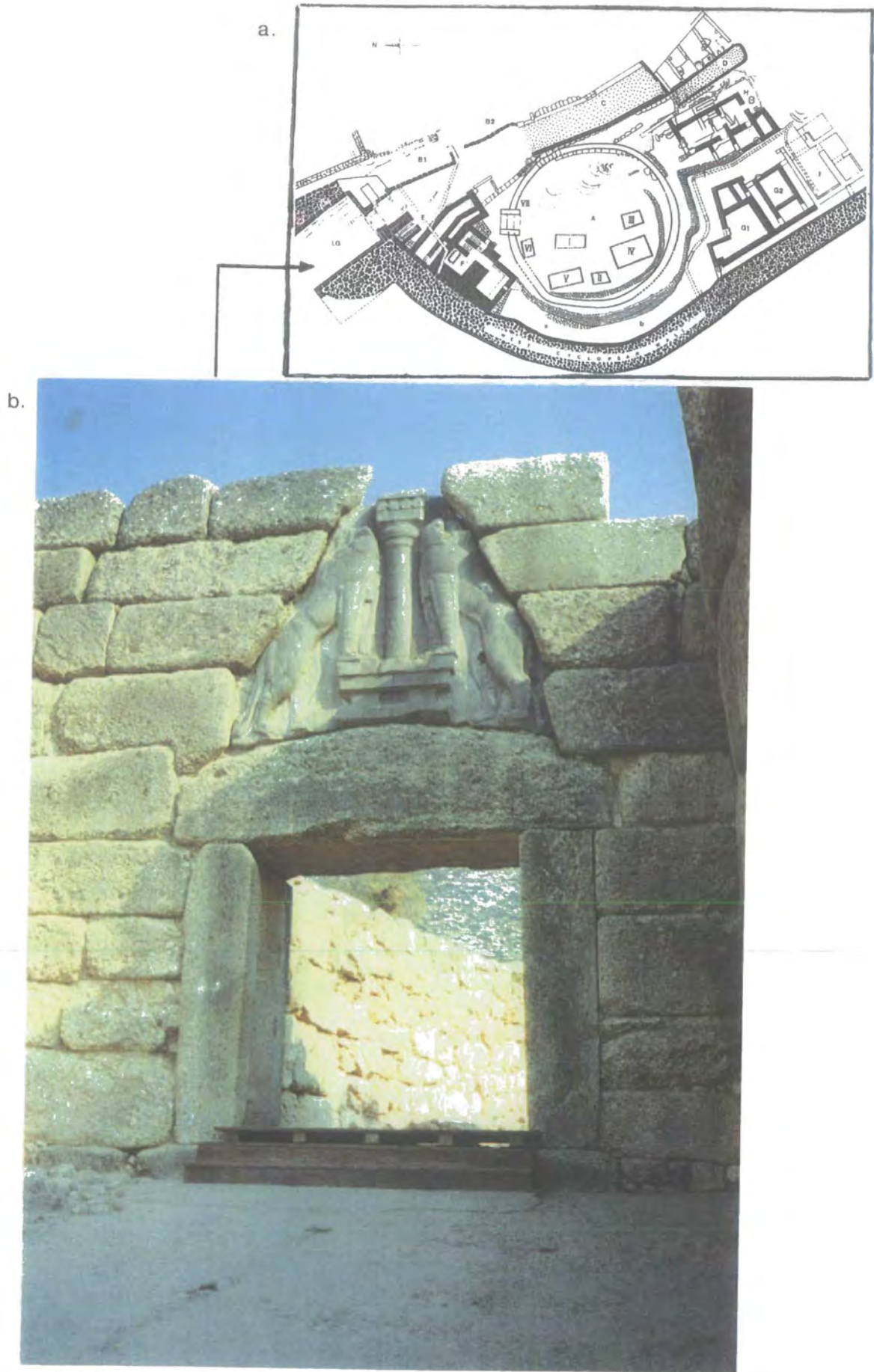


Figure 6.33. Mycenae. (a.) Plan of area of entrance and Grave Circle A (Iakovidis 1983: plan 6), (b.) Lion Gate.



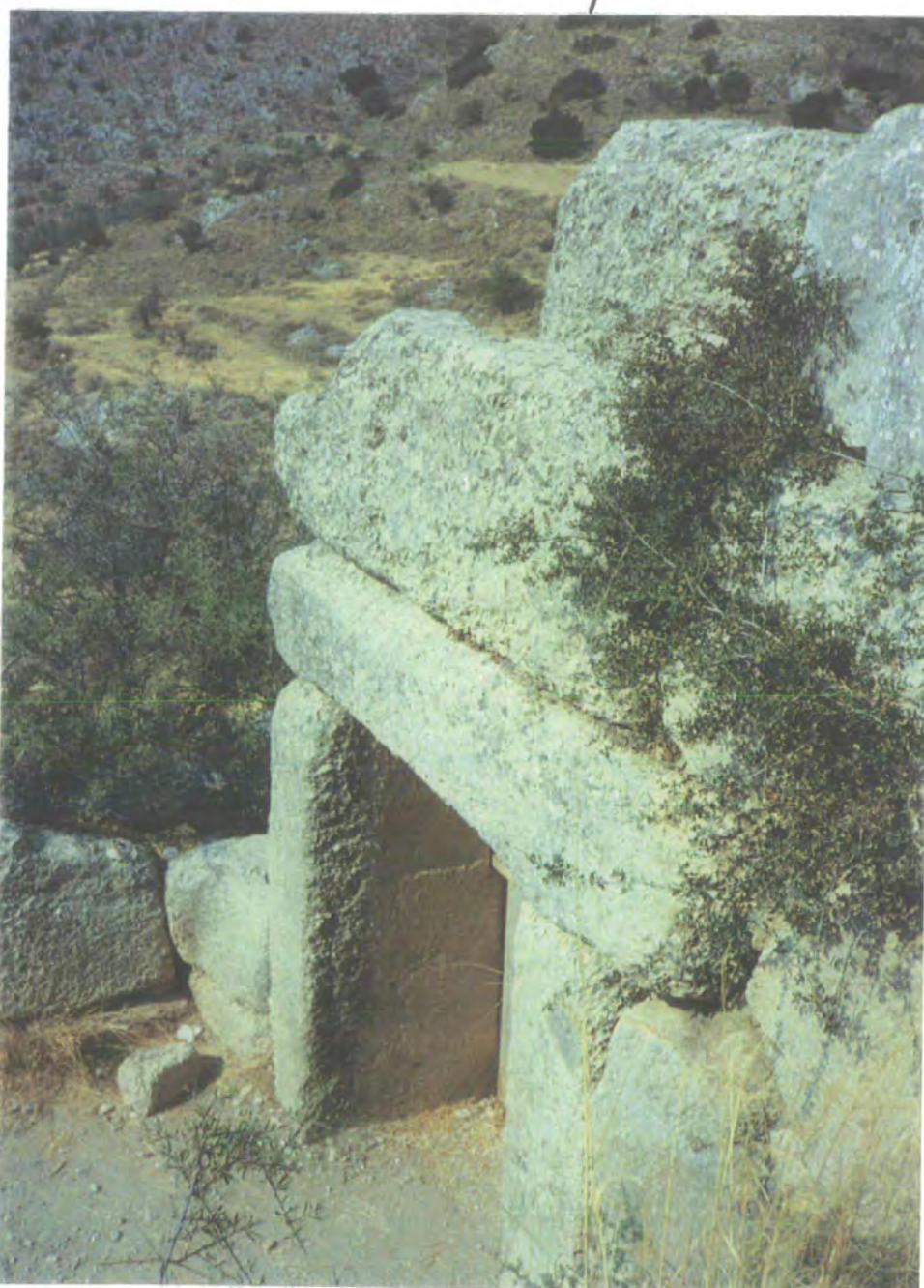
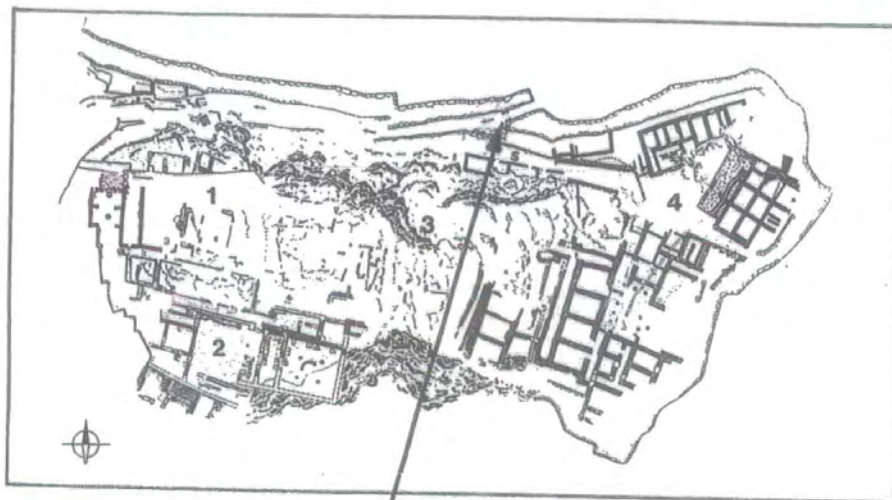


Figure 6.34. Mycenae. (a.) Plan of palace showing North gate (Iakovidis 1983: plan 11), (b.) North gate from inside.

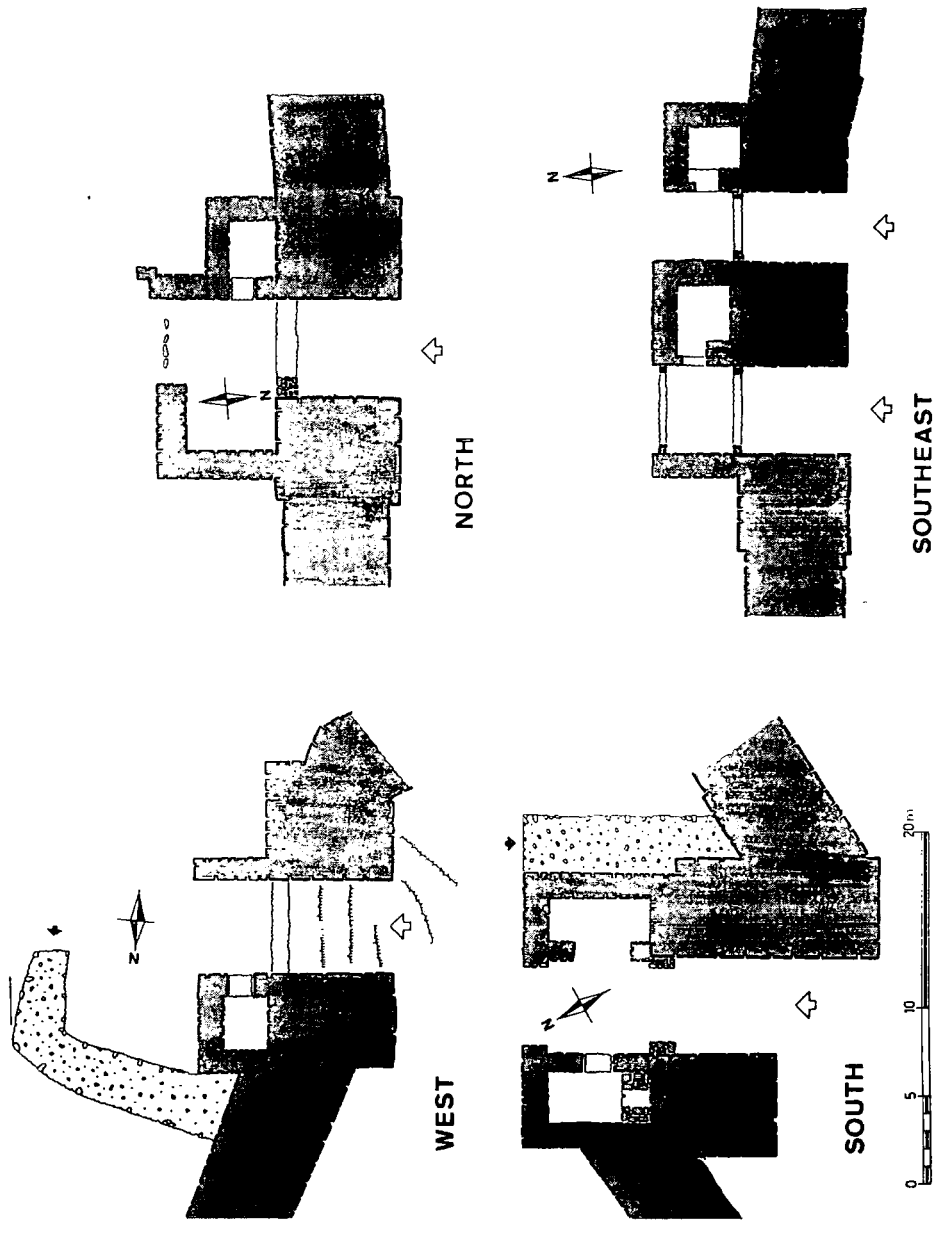


Figure 6.35. G1a. Gate plans (Iakovidis 1983: fig. 14).

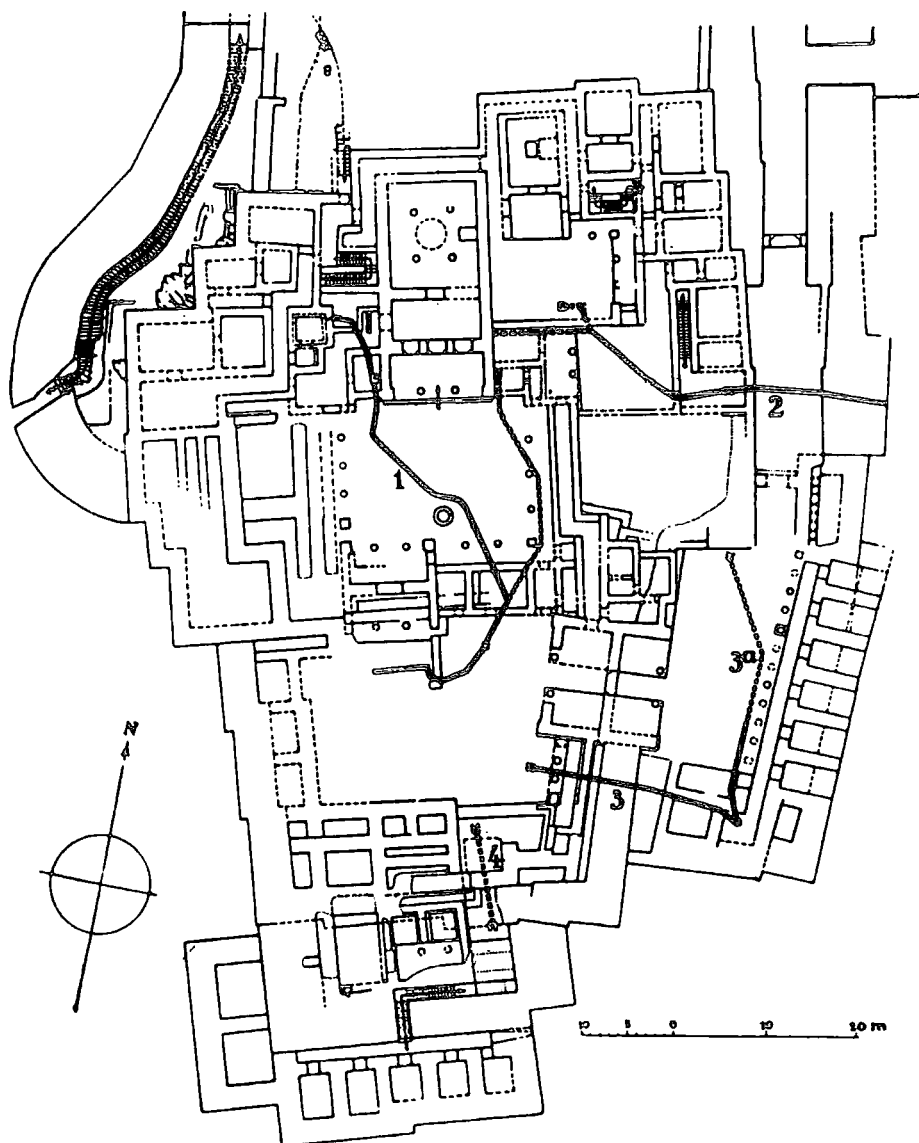


Figure 6.36. Tiryns. Plan of palace and west bastion (Iakovidis 1983: fig. 2).

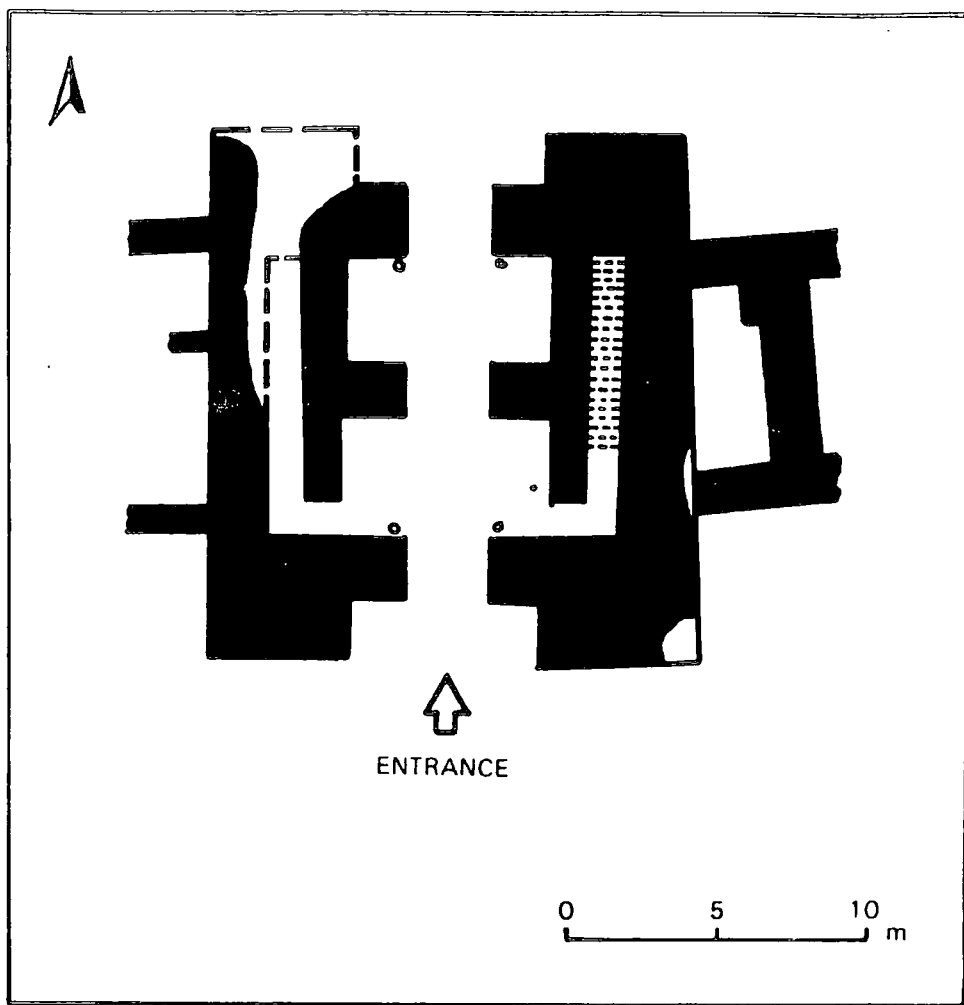


Figure 6.37. Shechem. City gate plan (Gonen in Ben-Tor 1992: fig. 7.1).

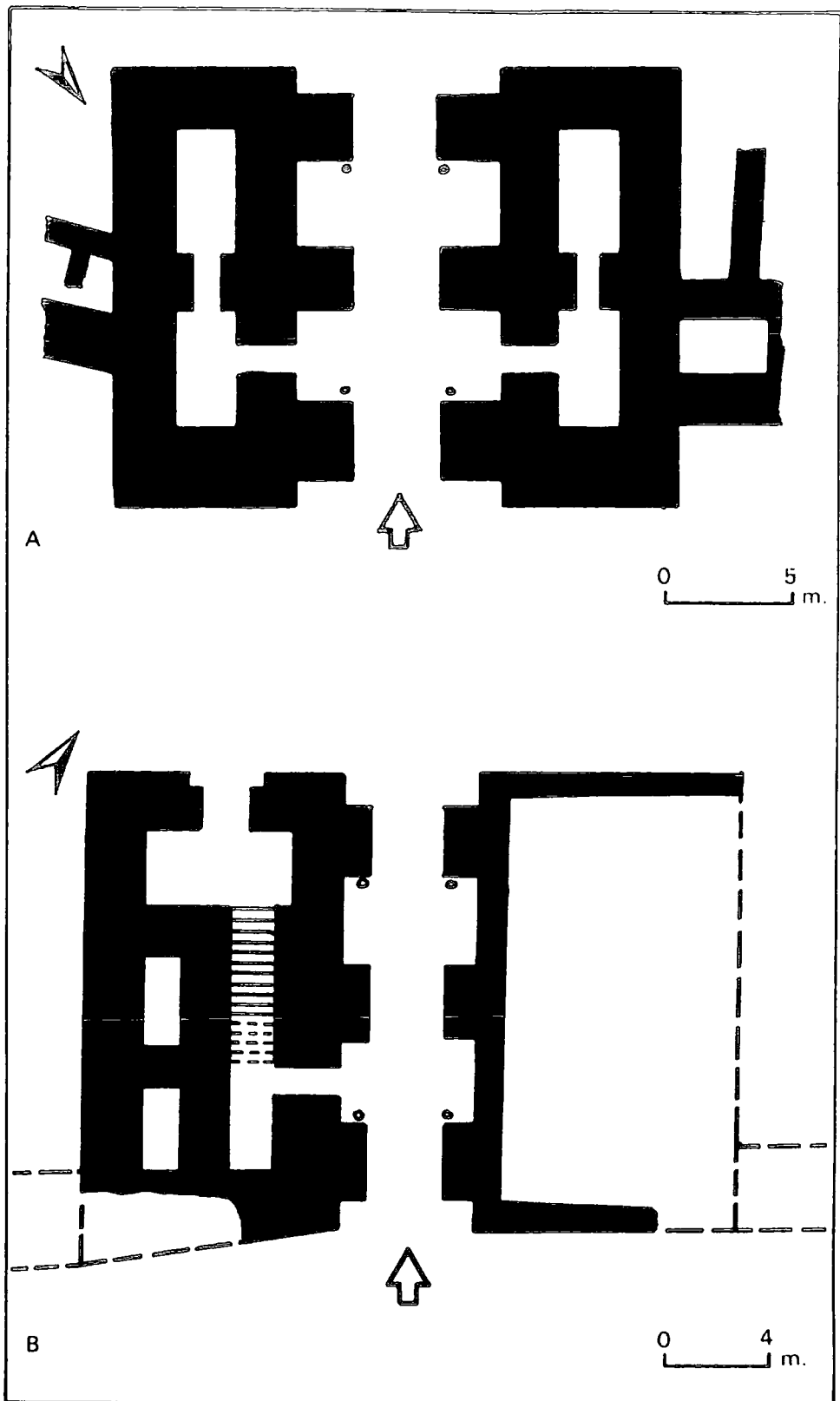


Figure 6.38. Gate plans. (a.) Hazor, (b.) Alalakh  
(Kempinski in Ben-Tor 1992: fig. 6.28).

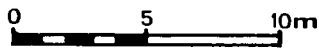
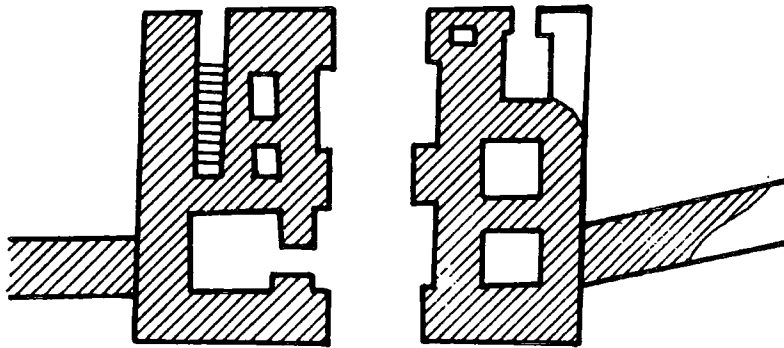


Figure 6.39. Beth Shemesh. City gate (Gregori 1986: fig. 6).

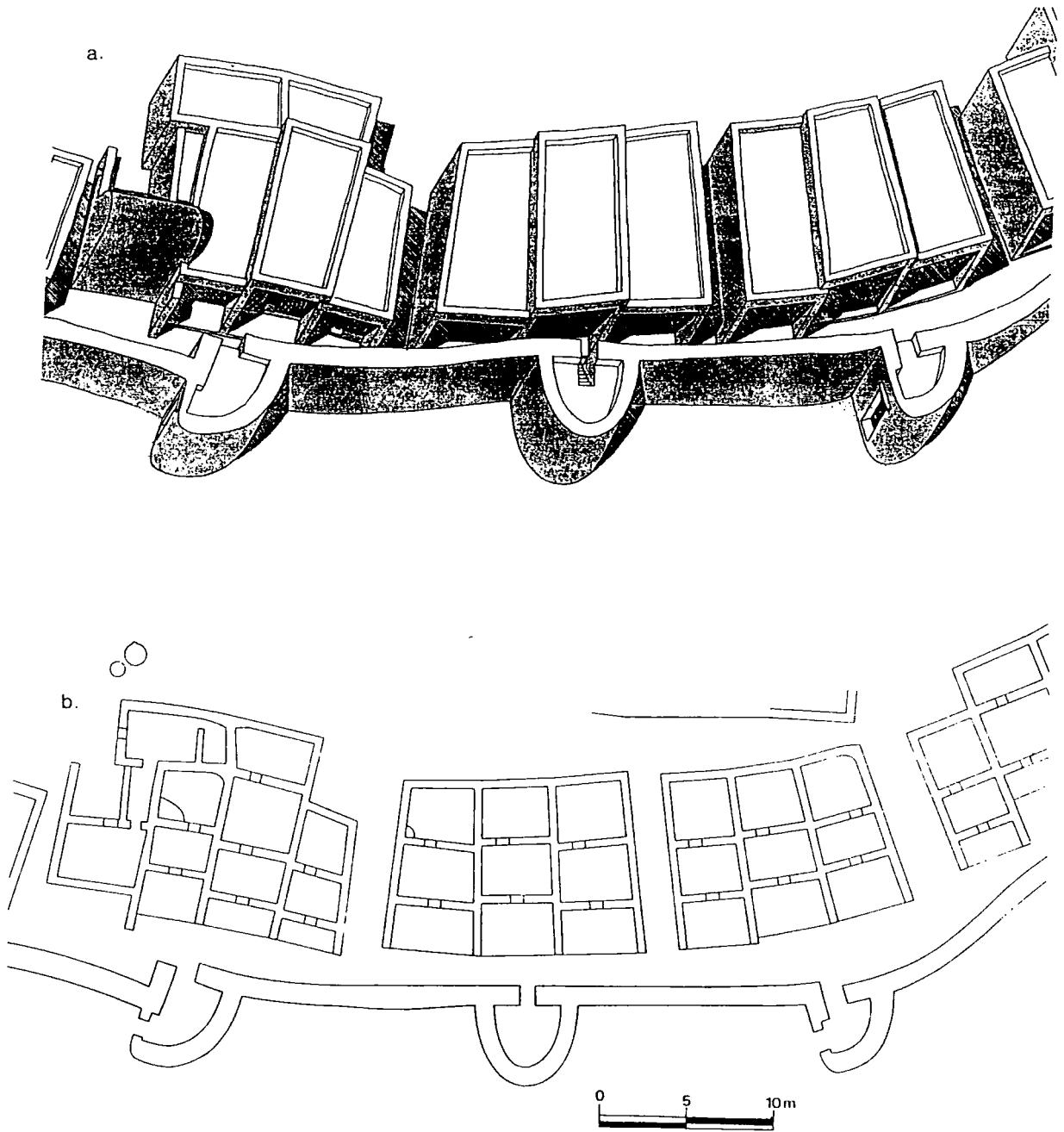


Figure 6.40. Aegina: Kolonna. Period V settlement and fortification wall.  
(a.) Reconstruction, (b.) Plan (Hägg & Konsola 1986: figs. 12 & 13).



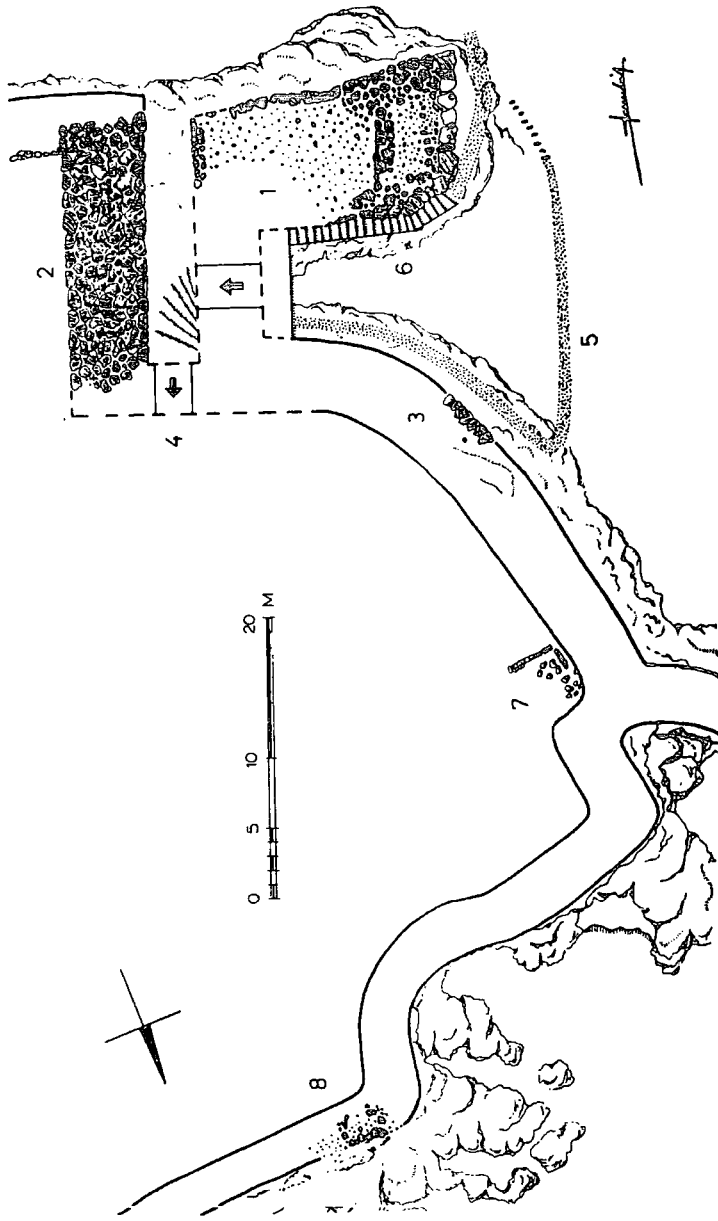


Figure 6.41. Athens. Gate plan (Iakovidis 1983: fig. 11).



Figure 6.42. Isthmia. Section Pe.

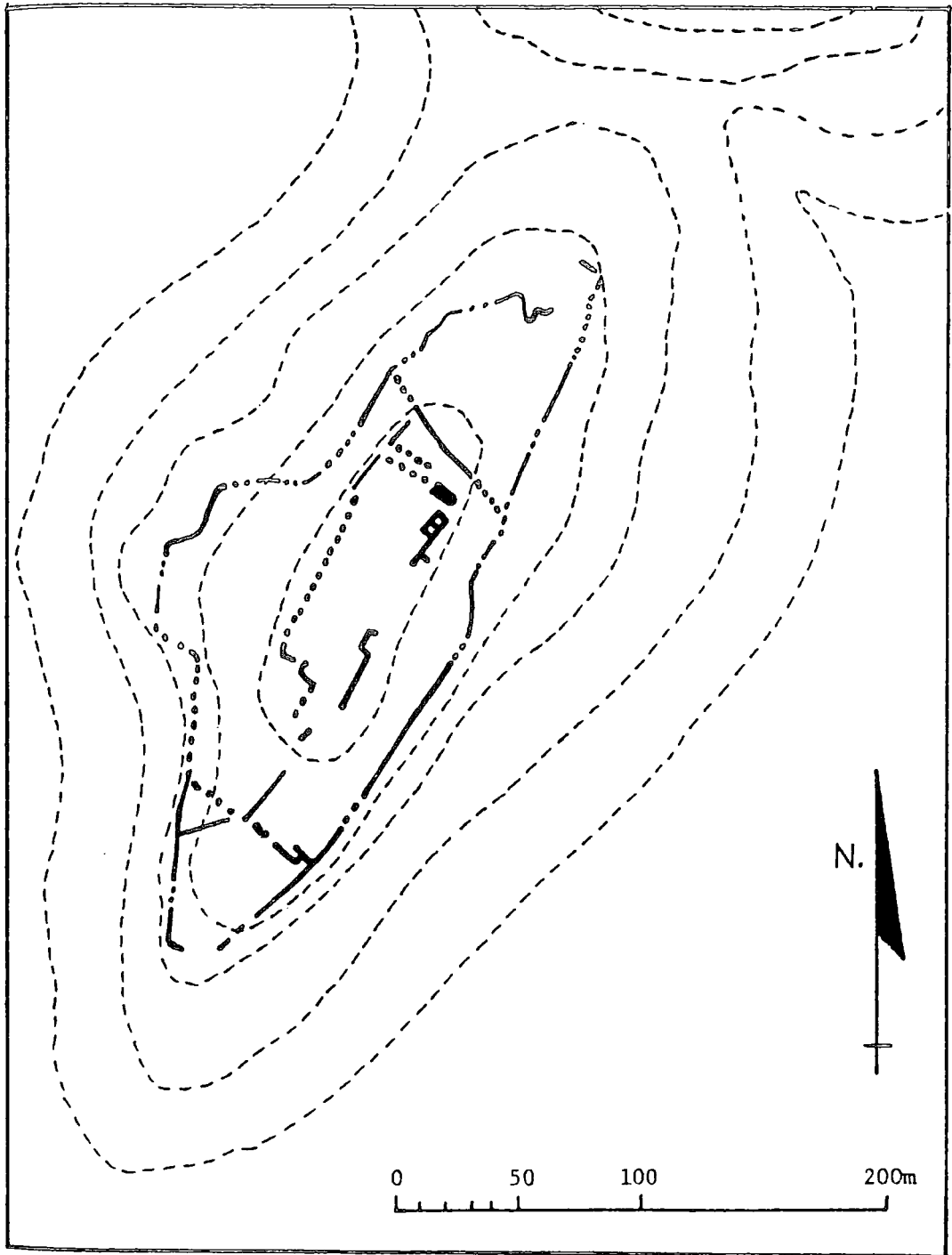


Figure 6.43. Ayios Ioannis. Plan (Fossey 1988: fig. 37).

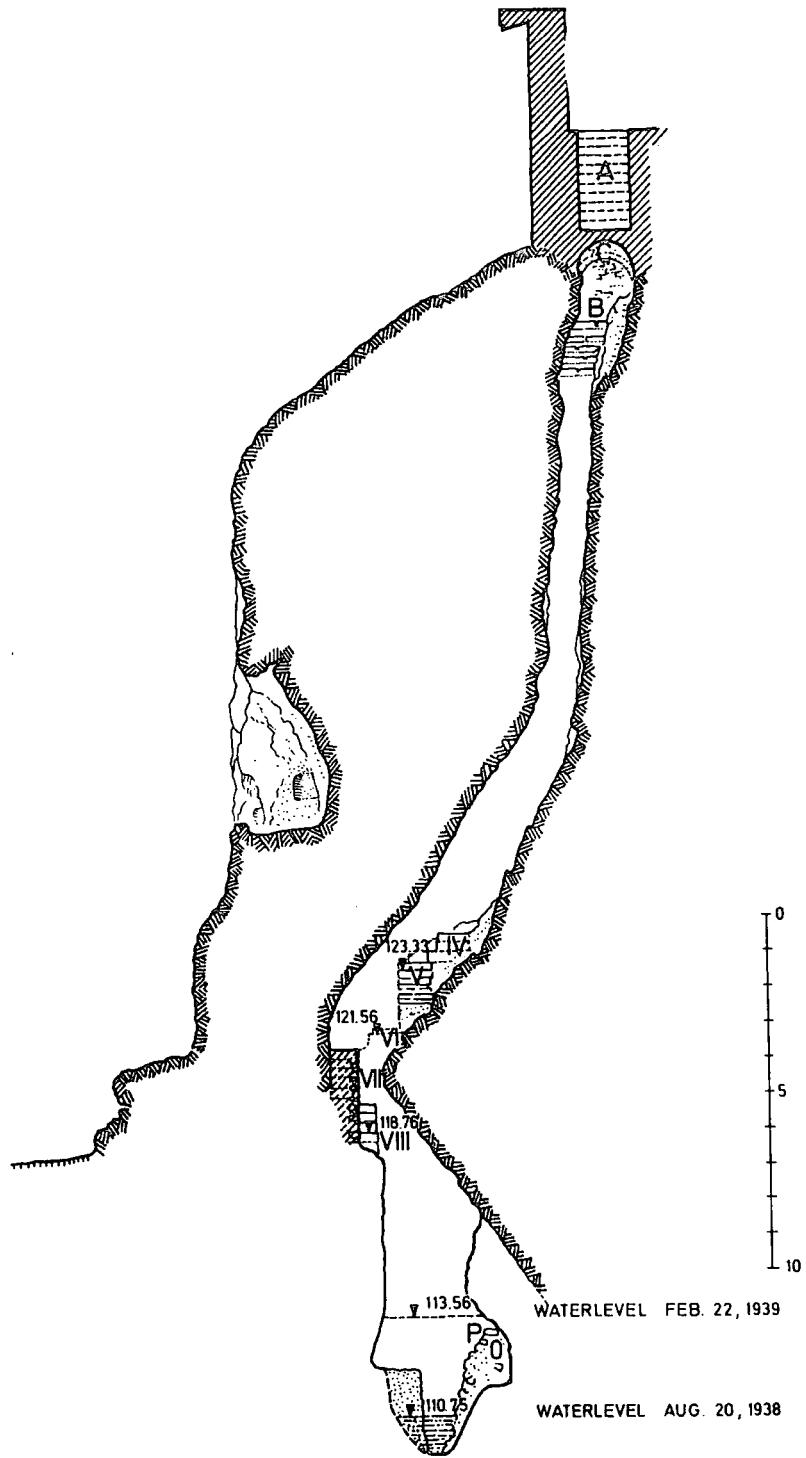


Figure 6.44. Athens. North fountain. Vertical section (Iakovidis 1983: fig. 12).



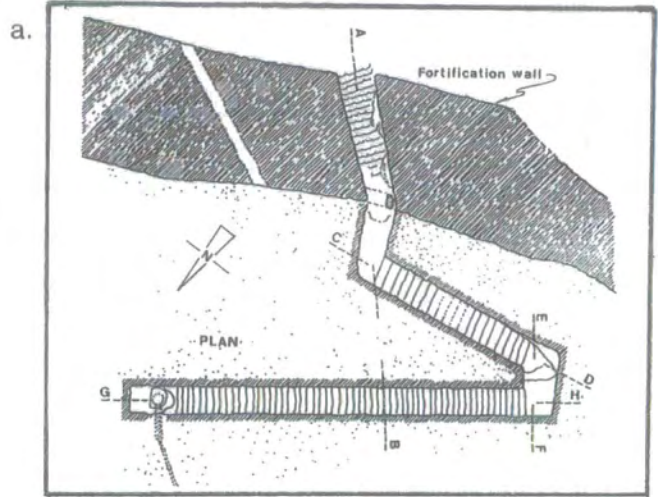


Figure 6.45. Mycenae. North-east extension. Underground cistern.  
(a.) Plan (from Iakovidis 1983: fig. 8), (b.) Entrance to cistern.

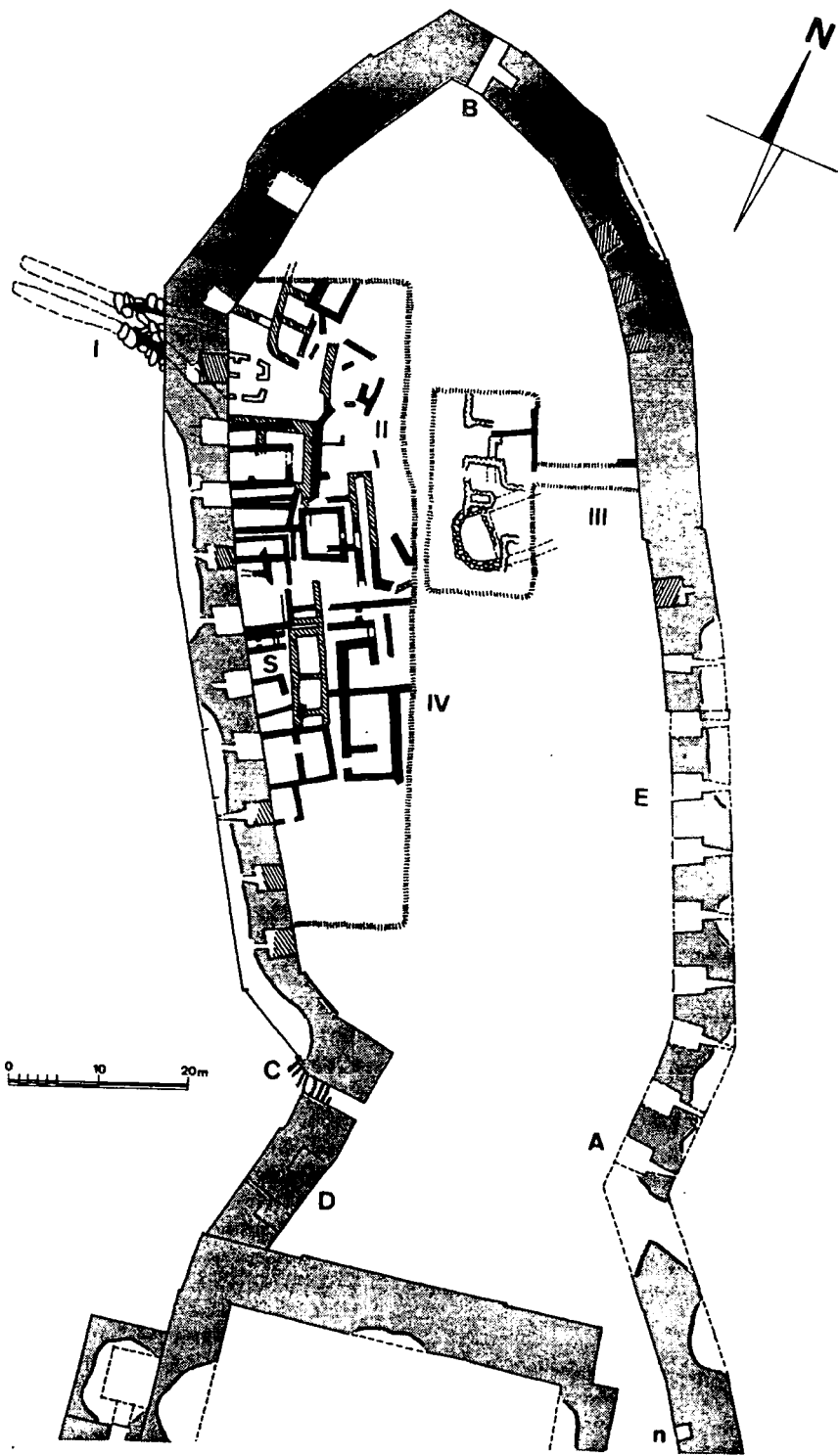


Figure 6.46. Tiryns. Lower citadel. Plan (Iakovidis 1982: fig. 3).



Figure 7.0. Kazarma. Tholos tomb. Chamber wall.





a.

b.



Figure 7. 1. Midea: Dendra. Tholos tomb. (a.) Chamber wall, *stomion*, and lintel block, (b.) *Stomion*.



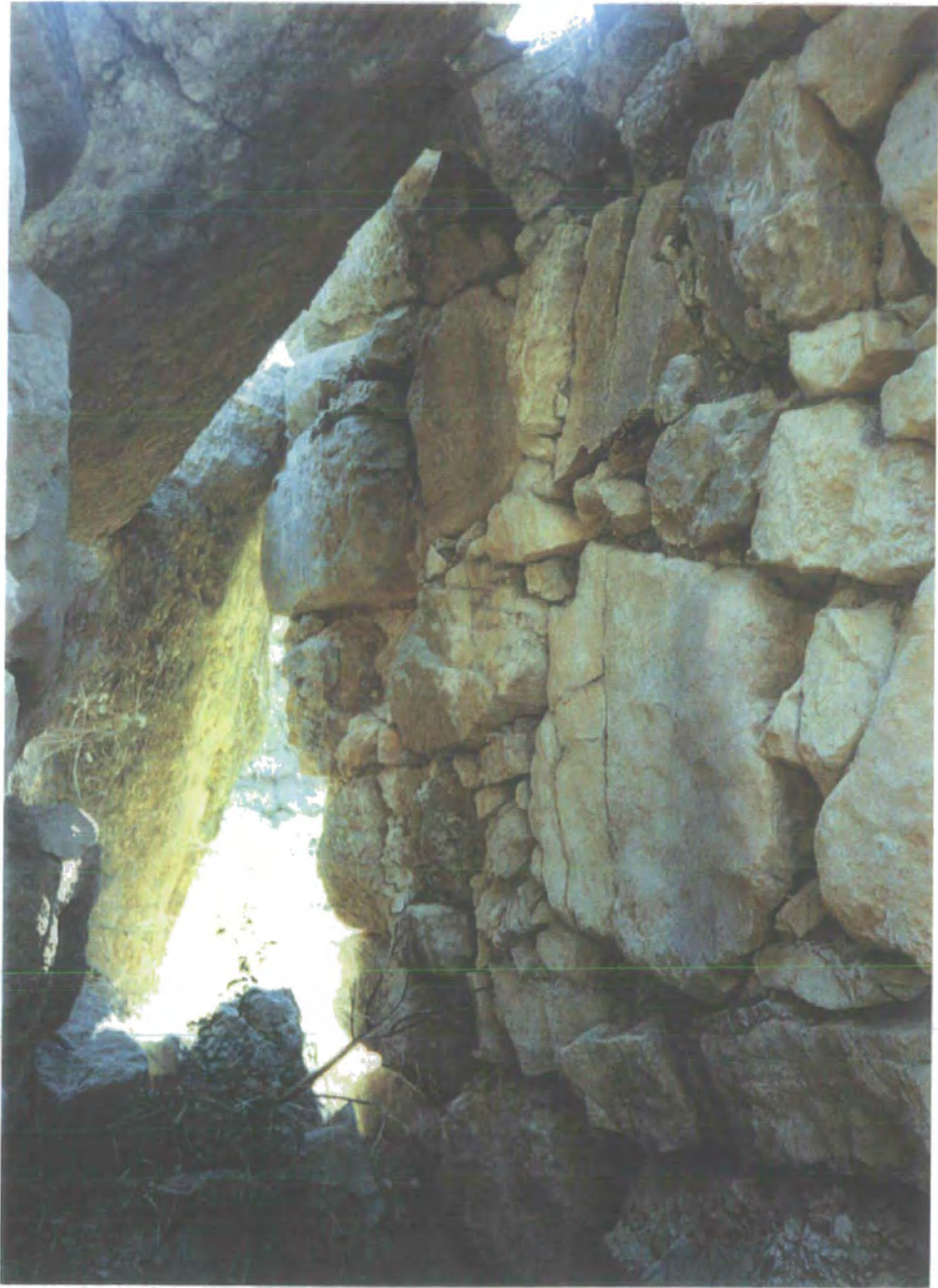


Figure 7.2. Mycenae. Cyclopean tomb. *Stomion* wall.





Figure 7.3. Mycenae. Epano Phournos tomb. (a.) *Stomion*, (b.) Detail of *stomion* wall.

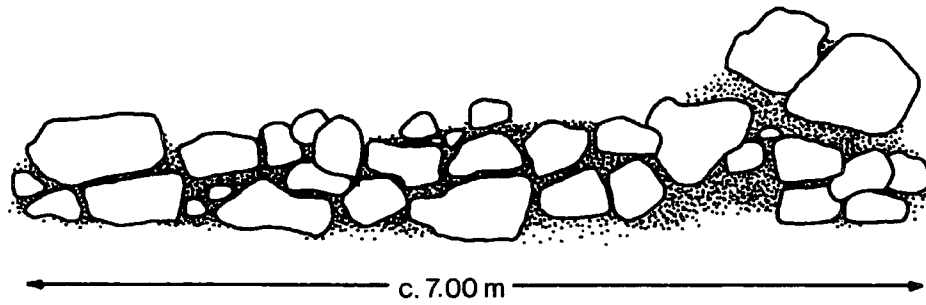




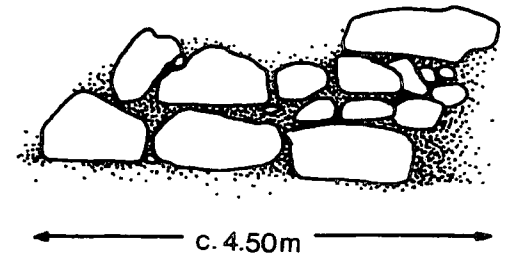
Figure 7.4. Tiryns. Dam. Strata showing dyke.



Figure 7.5. Plain between Kastro and Ayia Marina, showing canals.



Section 1 (west)



Section 2 (east)

Figure 7.6. Terrace wall on the north side of the Koutzoyanni hill.

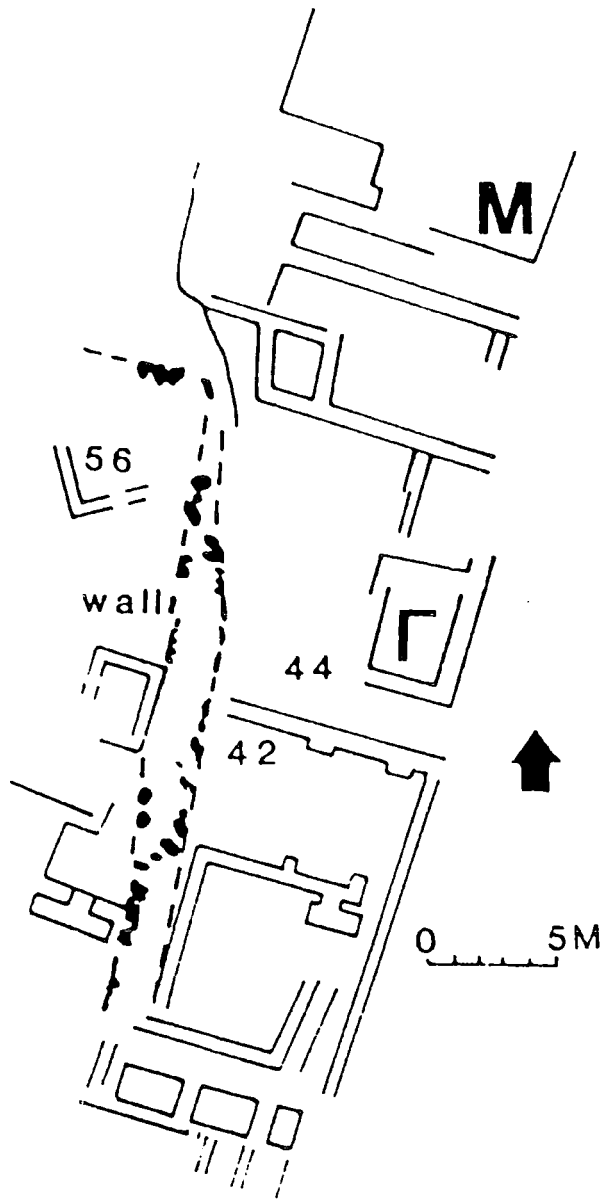


Figure 8.0. Vasilike. Plan of wall (Hayden 1988: fig. 18).

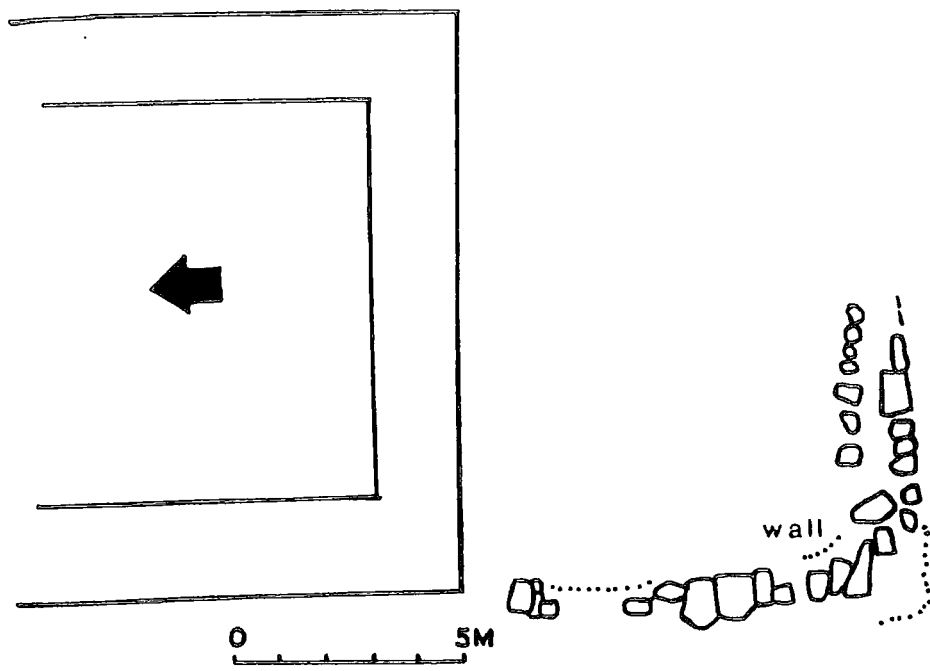


Figure 8.1. Gortyn. Plan of wall (Hayden 1988: fig. 14).



Figure 8.2. Petras. Section of wall from area  $\Delta$  (Tsipopoulou 1991: fig. 6).





Figure 8.3. Melos: Phylakopi. West section (Barber 1987: fig. 49, courtesy of Renfrew).



Figure 8.4. Melos: Phylakopi. East section (Barber 1987: fig. 15, courtesy of Renfrew).



Figure 8.5. Kos: Amaniou-Palaioplyi. Wall on north side of hill (Hope Simpson 1981: pl. 30b).

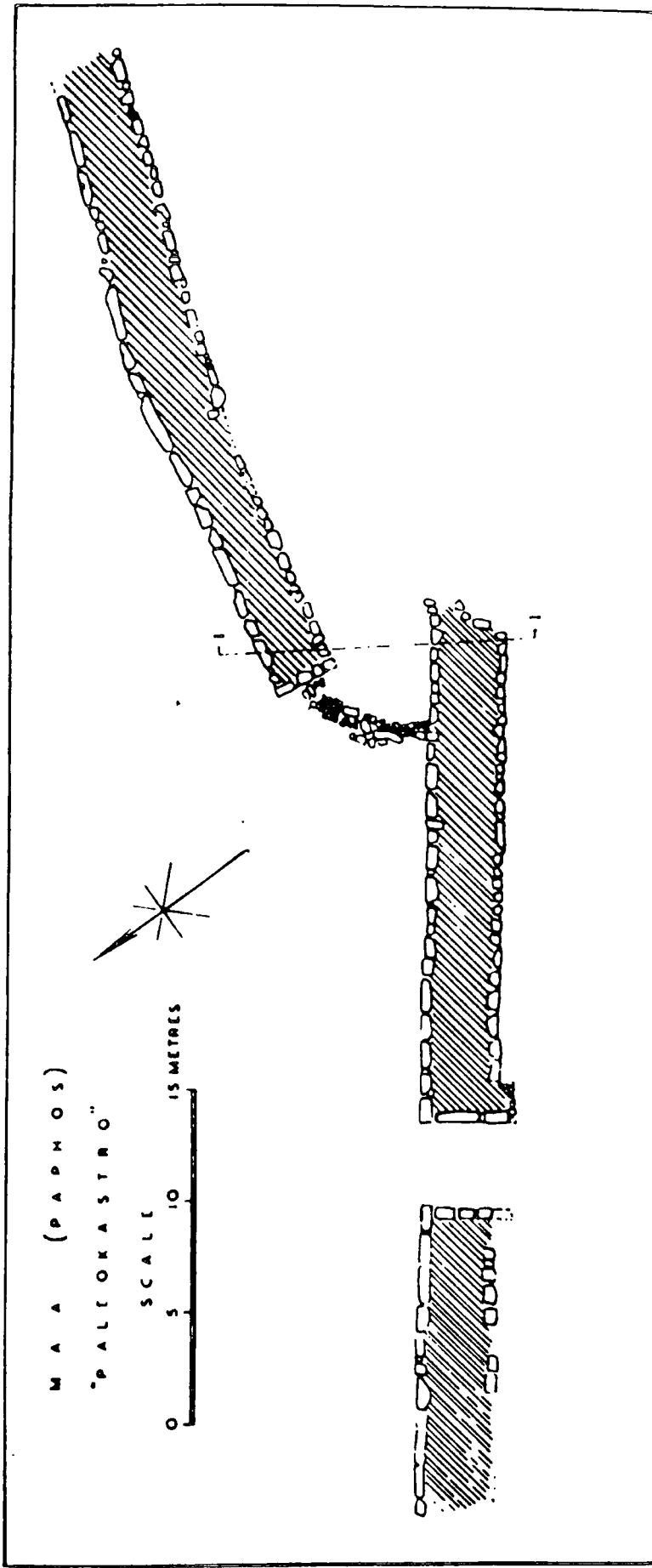


Figure 8.6. Maa: Palaiokastro. North fortification wall (Aström 1972: IV.IC: fig. 24).

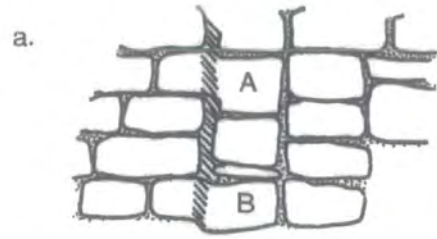


Figure 8.7. Bogazköy. Postern viewed from inner city (Bittel 1972: fig. 2).





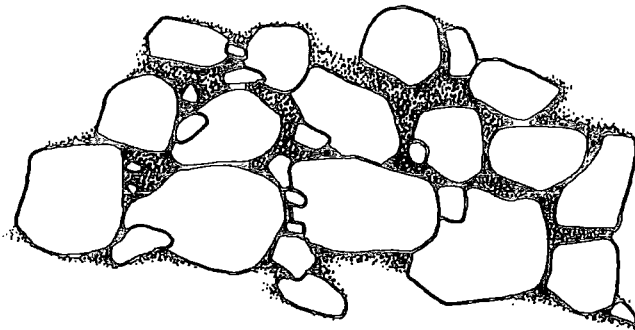
Figure 8.8. Troy VI walls.



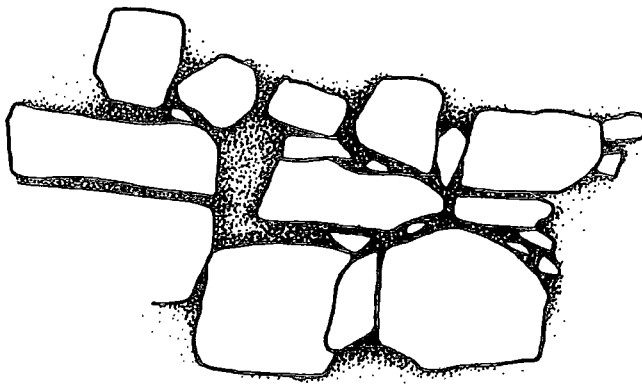
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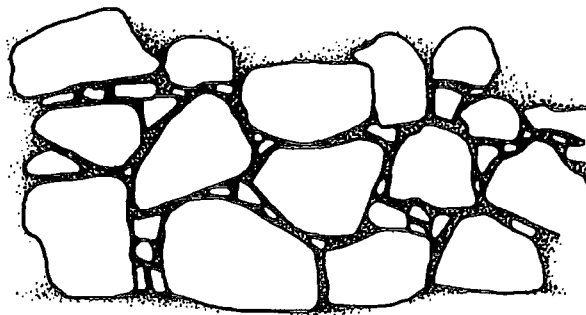
Figure 8.9. Troy VI walls. (a.) Diagram showing offsets. Blocks A and B are continuous throughout the two wall sections, (b.) Detail of offset walls.



Type I



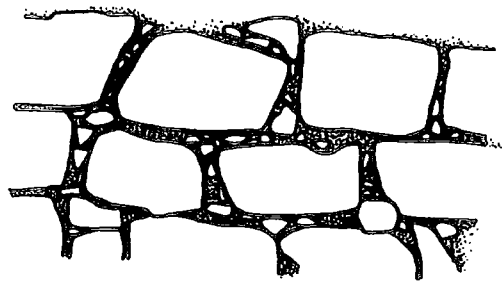
Type II



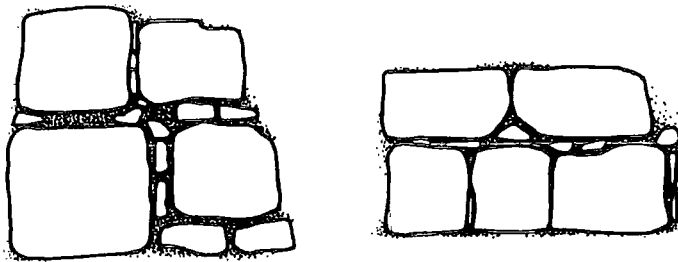
Type III

Figure 9.0. Typology. Types I-III.





Type IV



Type V

Figure 9.1. Typology. Types IV-V.

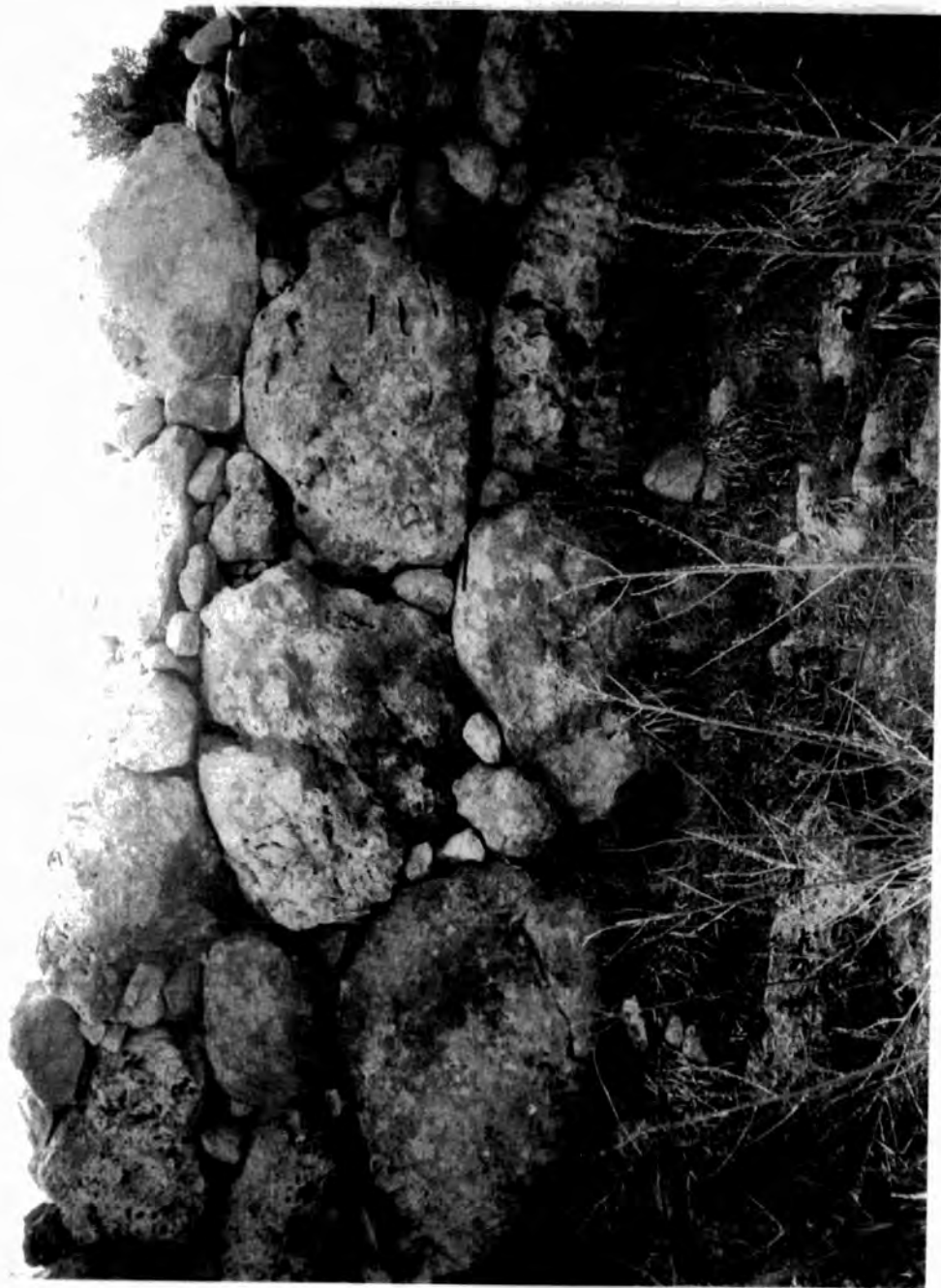
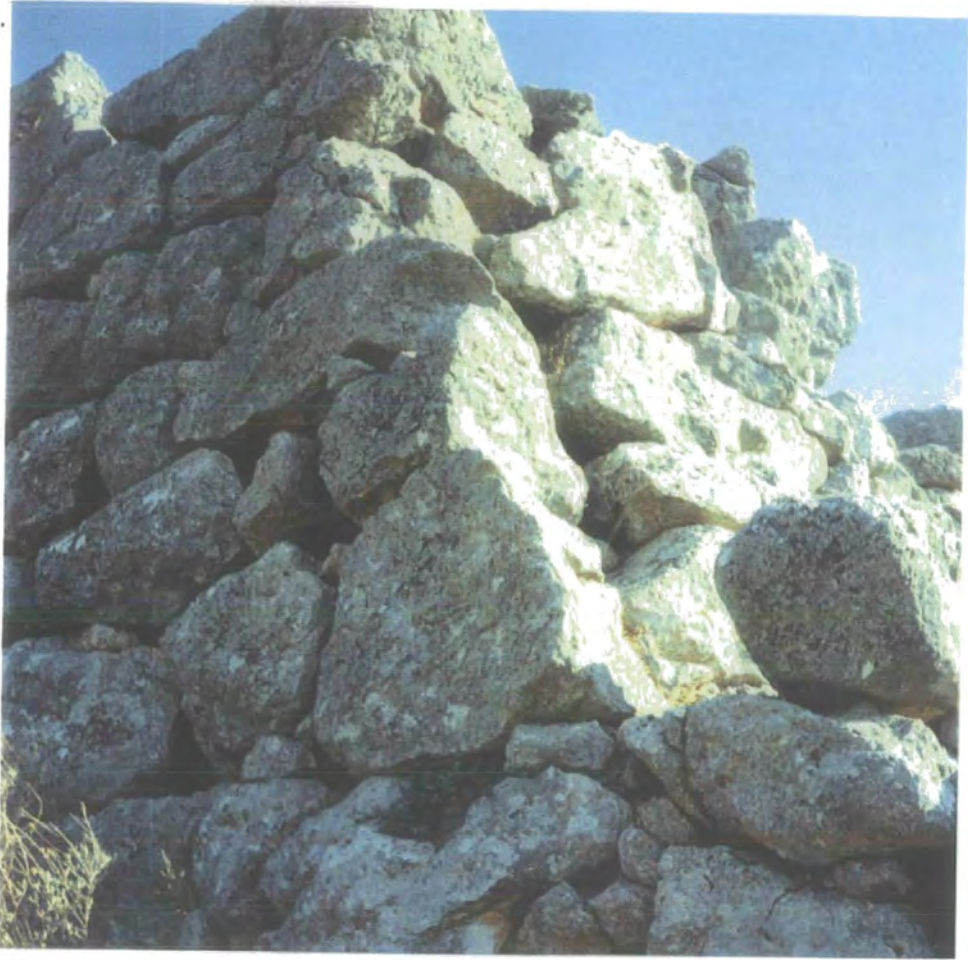


Figure 9.2. Geraki: Ancient Geronthrae. Detail of east wall.

a.



b.



Figure 9.3. Midea: Palaiokastro. (a.) West gate, (b.) East gate. Detail of north wall.



Figure 9.4. Larymna: Kastri. North-west section.



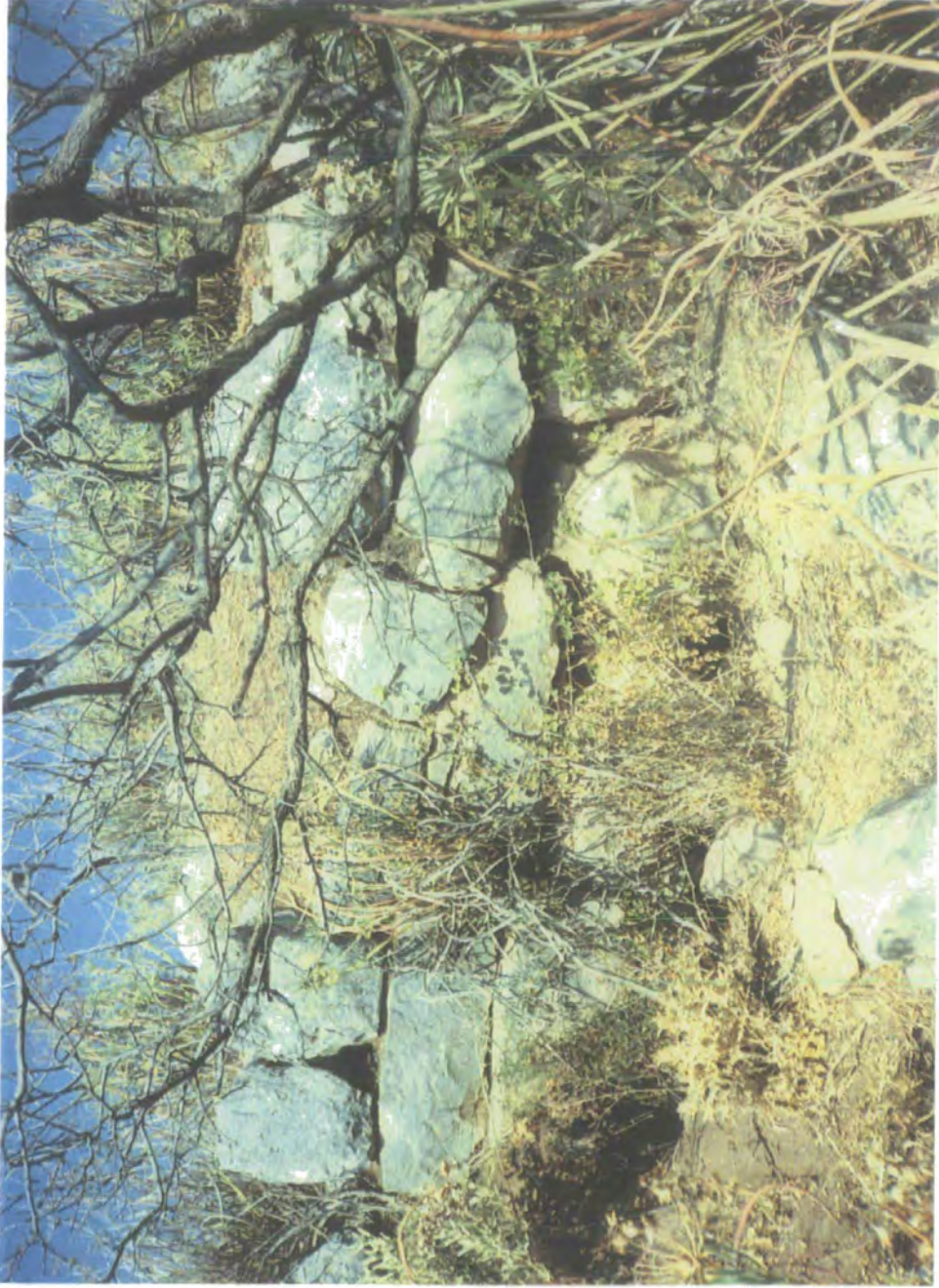


Figure 9.5. Haliartos. West north-west section.



Figure 9.6. Ayia Marina. South slope and terraces.





Figure 9.7. Mycenae. Grave Circle A and interior face of west Cyclopean wall.



a.

b.



Figure 9.8. Tiryns. (a.) West wall showing offsets, (b.) Interior face of east wall.





Figure 9.9. Araxos: Teikhos Dymaion.



Figure 9.10. Chaeronea. South-east wall on saddle.





Figure 9.1.1. Thebes. Proetides gate.



Figure 9.12. Ayios Vlasis: Ancient Panopeus. Wall on south-east.

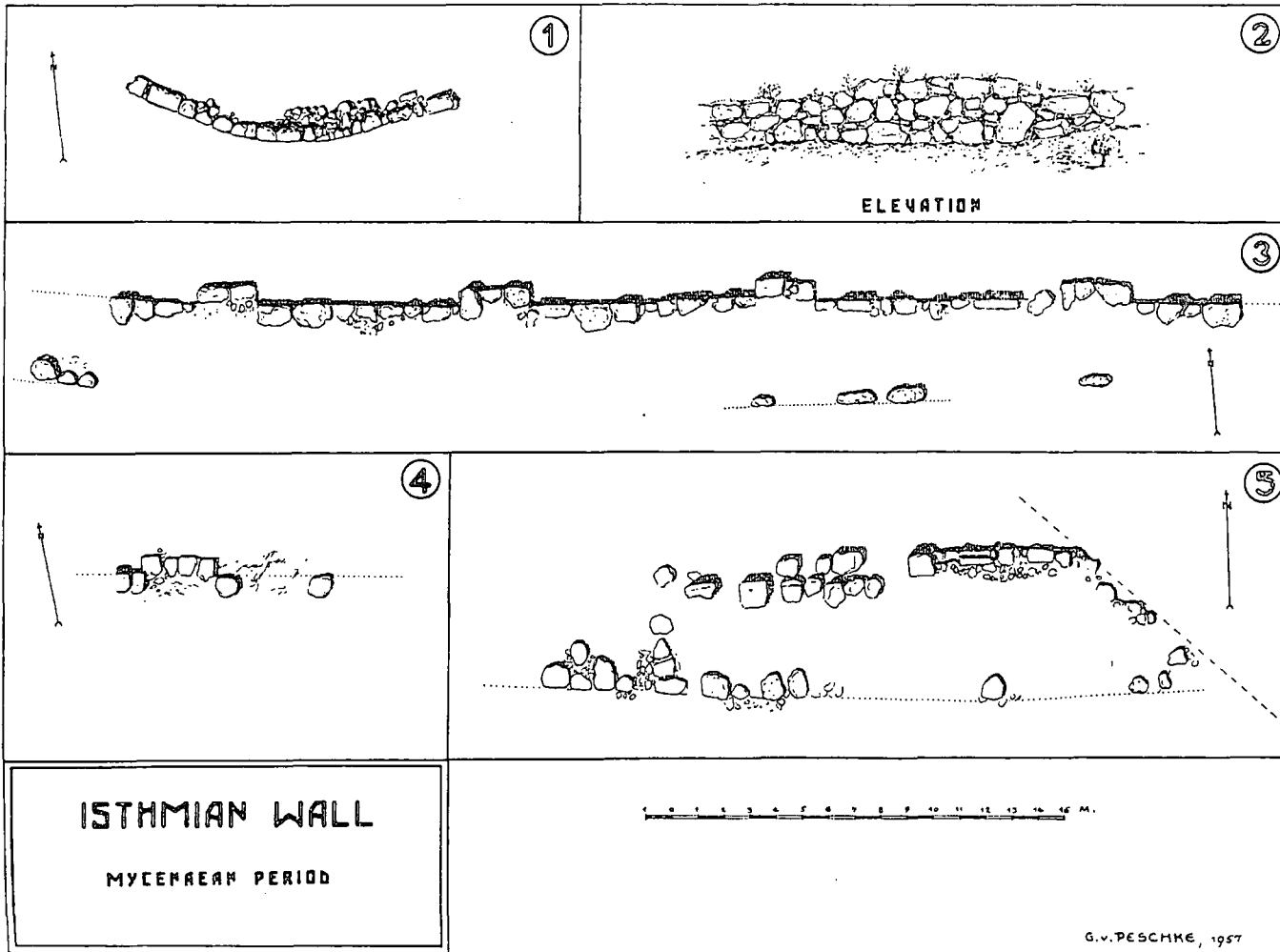
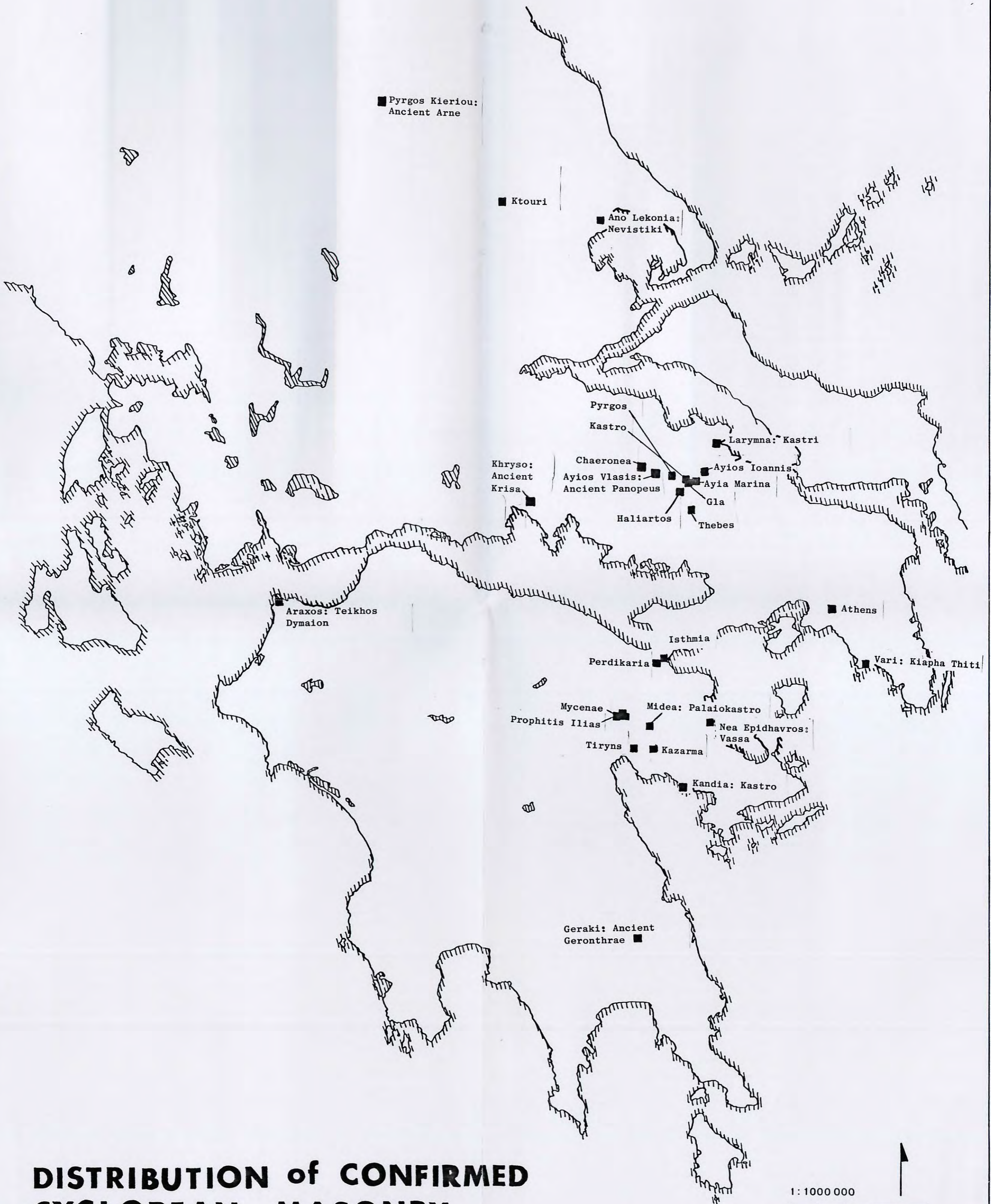


Figure 9.13. Isthmia. Plans and elevations of wall (Broneer 1966: fig. 2)



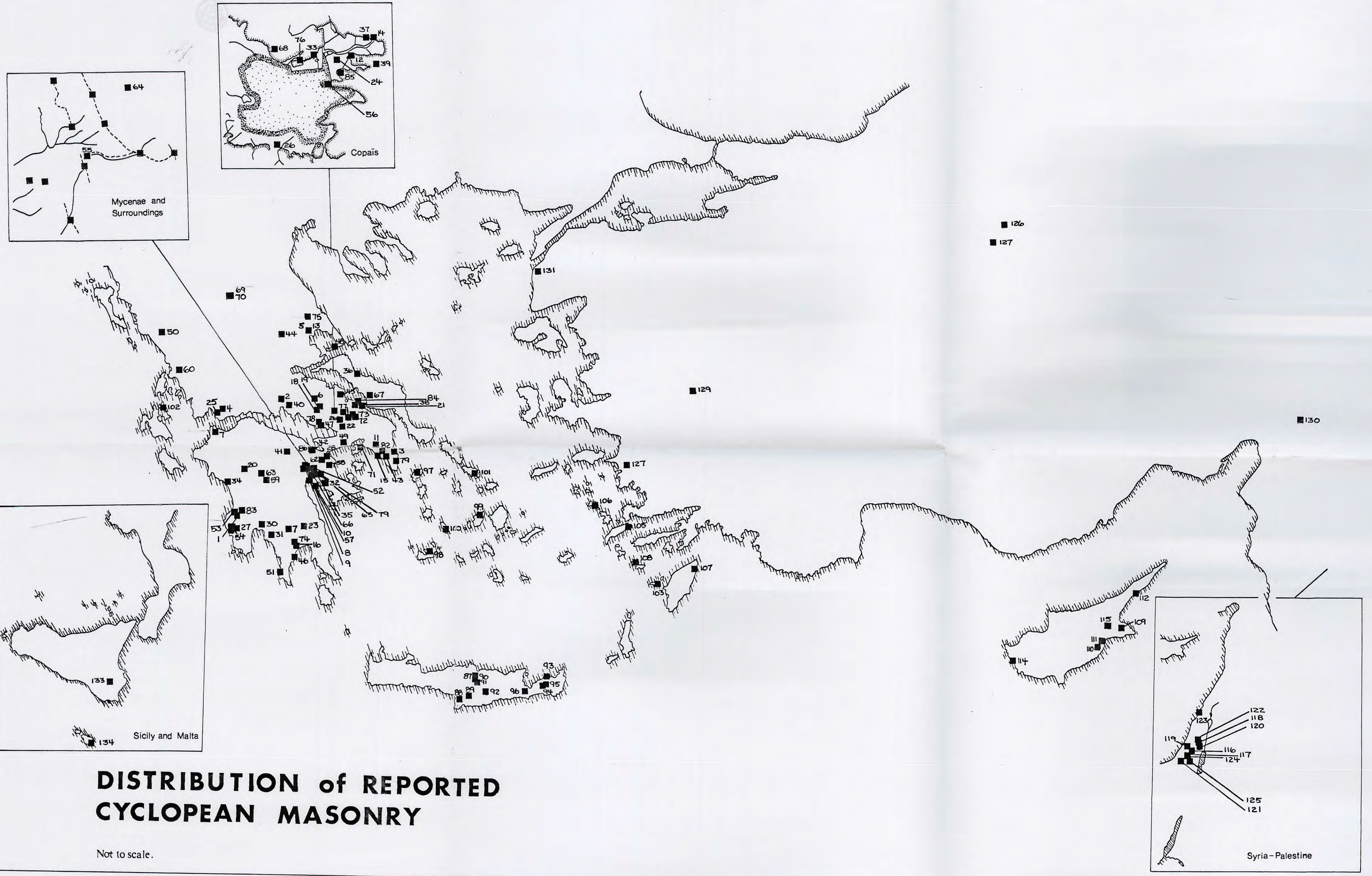




**DISTRIBUTION of CONFIRMED  
CYCLOPEAN MASONRY**

Figure 6.0.





**DISTRIBUTION of REPORTED  
CYCLOPEAN MASONRY**

Not to scale.

Figure 2.0.