STUDIA TROICA
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Teil 1

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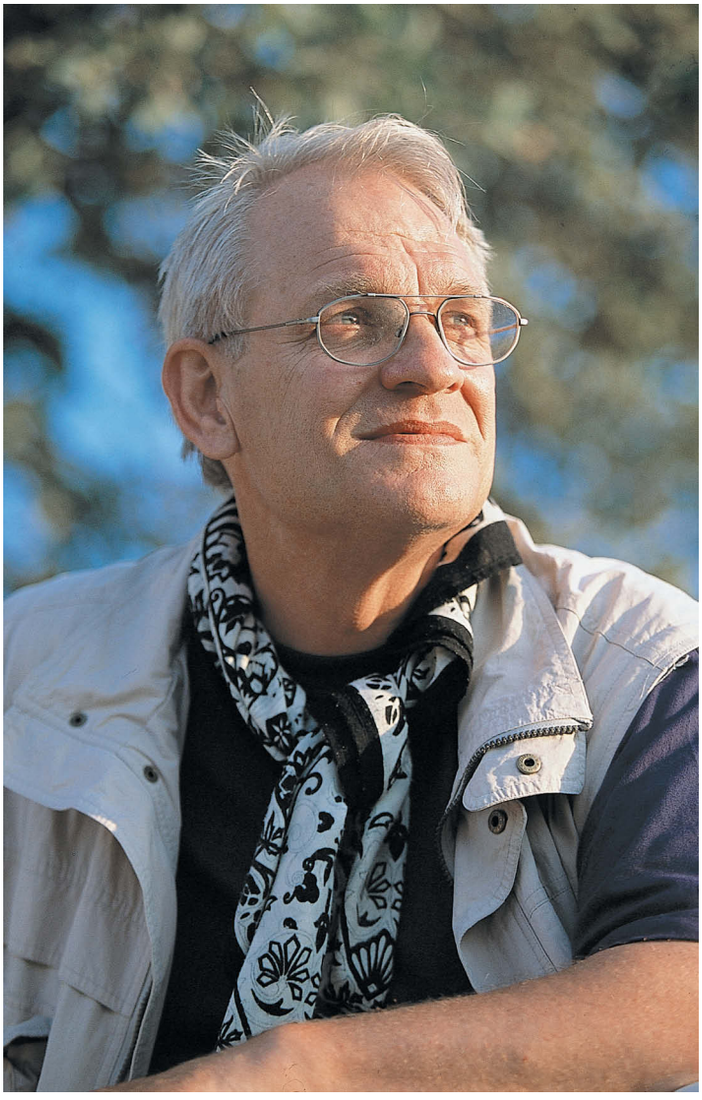

In memoriam
Manfred O. Korfmann

26. April 1942 bis
11. August 2005

Teil 1

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Die Troas: Untersuchungen zur Siedlungsgeschichte

Landschafts- und Besiedlungsgeschichte

Einzelstudien zur Besiedlung der Troas

Elizabeth H. Riorden

Conservation and Presentation of the Site of Troy, 1988–2008

Abstract

From the beginning the *Troia-Projekt* was set up to integrate archaeology and conservation efforts. This trend-setting intention was carried through with conviction, although the team did encounter a »learning curve« in the first years. Quite quickly, however, the team established its rules and methods based on international consensus and »current best practice« but with a keen eye to the particular problems of a very complicated site. This article gives the background to site treatment at Troy and then presents the intervention program in thematic sections, with the hope that it will prove useful for those responsible for site conservation and presentation at other places.

Zusammenfassung

Von Anfang an strebte das Troia-Projekt eine enge Verbindung von Archäologie, Restaurierung und Erhaltung der Ruine an. Diese richtungsweisende Absicht wurde konsequent umgesetzt. Das Team musste in den ersten Jahren eine – allerdings sehr kurze – Lernphase durchmachen, indem es Verfahren und Methoden entwickelte, die auf internationalem Konsens und geläufigen Standards basierten; natürlich unter Berücksichtigung der speziellen Probleme einer sehr komplizierten Ruinenstätte. Dieser Beitrag bietet Hintergrundinformationen zu den Maßnahmen in Troia und präsentiert danach das Interventionsprogramm in thematischer Gliederung. Dies kann für diejenigen, die an anderen Fundstellen die Verantwortung in den Bereichen Restaurierung, Erhaltung und Präsentation tragen, nützlich sein.

Introduction

Archaeologists concern themselves *a priori* with the past. In addition they have hefty present and future concerns, which include publication, staffing, funding, research planning and public relations. This leaves little time for other concerns such as a site's present condition or a vision for the future. The contemporary excavation project must include certain experts, who can take on the broader concerns of the present condition of the archaeological site, as well as its extended future situation: the site conservation and presentation team.[1] From the point of view of the site

[1] The author is one member of a large group of people who assisted with the conservation and presentation of the site of Troy. In fact, because this has been an integrated project, every member of the entire project contributed to the stewardship of the site; however, there are a few individuals who merit special recognition and thanks for their dedication to this aspect of the project over many years: Patricia Baum, Sadun Doğrayan, Michaela Rezner-Yaşar and Murat Yaşar. With the team for a shorter time, but nonetheless making a significant contribution were Azer Arazlı, Ahmet

conservator, Troy is an enormous challenge with few *comparanda* of similar complexity. Unlike many other sites, Troy involves several contrasting periods of significance, each with notable features requiring stabilization and presentation. The building techniques over nearly four millennia of occupation at Troy differ significantly, necessitating a wide range of remedies. Excavations in discontinuous campaigns over the last 140 years have left a site which resembles a neglected layer cake attacked by ants; it is extremely difficult for most visitors to comprehend this three-dimensional puzzle without additional information and visual aids.

Despite this enormous challenge, the *Troia-Projekt* as directed by Manfred O. Korfmann took on from the beginning a notion of integrated archaeology and conservation. This intention on the part of permit-holder and Director Korfmann was a matter of public record in 1991 with the publication of the first volume of *Studia Troica*.[2] By contrast, in the late 1980s many other excavation leaders would have taken a compartmentalized approach, or worse ignored the conservation responsibility altogether. Evidence for the slow emergence of the idea to integrate the archaeological and conservation activities of a project comes from the Fifth World Archaeology Congress in Washington, D. C., in 2003 which took on the topic, with urgent pleas for greater engagement.[3] One presenter stated in his abstract that archaeologists »gain a better ›archaeological‹ understanding of their universe if they act as conservators; conversely, conservators will be even better at their work if they gain a sensitivity for stratigraphy.«[4] Korfmann was more than a decade ahead of the trend, and *Troia-Projekt* can stand as a case study for the integrated approach.

According to Korfmann in 1991, the conservation concept at the beginning, systematic in the face of what must have seemed a daunting task, was simply to begin with the oldest remains at the center of the citadel and then move out from there. At that time the advice and help of two experts from the *Landesdenkmalamt Baden-Württemberg* at Stuttgart, Meinrad N. Filgis and Wolfgang Mayer, was actively pursued. The two conservators then published their analysis and practical suggestions for Troy in 1992.[5] This established the pattern of both reporting on conservation efforts and establishing conservation agendas. Korfmann would include a summary of the site conservation and display work accomplished each season in his annual report in *Studia Troica*; from time to time in the same publication special studies and position papers would also appear.[6] This approach was thorough and easy to understand; however, it is less helpful for conservators doing current research on precedent in practice, because what was done each season

Demirtaş and Craig Jolly. The work of the conservation team depended on an equally dedicated team of local stonemasons, carpenters and workmen, for whom there is profound gratitude. Thanks go to Meinrad Filgis, Wolfgang Mayer and Friedmund Hueber for their initial visions for the site treatment, advice and leadership. Friedmund Hueber in particular was instrumental in organizing and supporting the creation of the Troia team of young project managers, including the author. Manfred Klinkott, Rüstem Aslan and Peter Jablonka are thanked for their mentoring and enthusiastic interest and concern with the activities of the team. Finally, none of this would have been possible without the leadership and passionate involvement of both Manfred O. Korfmann and Ch. Brian Rose, and, since 2006, Ernst Pernicka. To them we cede the obligation to thank all the many donors, government officials at all levels and »Friends of Troia« for their essential support of the stewardship of this World Heritage Monument, Troy.

2 Korfmann 1991, 5.

3 Fagan 2006, 7.

4 Buccellati 2006, 73.

5 Filgis – Mayer 1992.

6 For example Hueber 1994 and Hueber – Riorden 1994.

was not presented thematically, but instead was a random list (random in the sense of having its own internal prioritization) arranged in a spatial/temporal system that facilitates data retrieval, not thematic investigation.

The field of archaeological site conservation does not have a long literature list. What literature there is tends to be either highly technical or highly theoretical. The reporting of what happens when theory and practice are joined in the archaeological context is hard to find. A thematically organized report of twenty years of work at Troy would be a positive addition for those working hard to solve conservation and display problems at other sites. As a result, this final essay will be presented thematically, according to the type of problem encountered and the general approach taken in the solution. Specific technical details and recipes are included in the Appendices. The comprehensive historical data recorded in the annual preliminary reports is contained in four tables:

- Table 1 shows what was done year-by-year;
- Table 2 is the same database, simply arranged by the period of monument treated;
- Table 3 is likewise a data sort of the same base, this time arranged by type of problem encountered;
- Table 4 is sorted by area.

The conservation journals, photos and drawings are archived in the *Troia-Projekt* of the *Institut für Ur- und Frühgeschichte und Archäologie des Mittelalters* of the University of Tübingen.

Visitor/Ruin Interactions in 1988

We begin with the condition of the site in 1988, the year that excavations began under Manfred O. Korfmann after a 50 year hiatus. The previous excavators since Heinrich Schliemann had paid little attention to conservation issues, if one goes by their publications. Wilhelm Dörpfeld had little time (1893–94) in which to complete his research and documentation, and so perhaps he can be forgiven for ignoring site presentation and conservation issues. Otherwise it is somewhat surprising because his management of the trees at Olympia is famous, and there is evidence of his ideas for Pergamon as well.[7] There is the possibility that he thought about it, but did not go ›on record‹ with his ideas. When Carl W. Blegen began his work at Troy in 1932 he invited Dörpfeld to join him (Blegen was indebted to him and the German Archaeological Institute for allowing the permit to migrate to the University of Cincinnati, where Blegen was a professor) and the elderly Dörpfeld did join the Cincinnatians for nearly every one of their seven seasons. This gave Dörpfeld a chance to engage in some site presentation issues, which one might suppose had preoccupied him over the years: in 1933 Blegen mentions that in addition to continuing to remove some of the vegetation covering the site, visitor paths in the citadel area were laid out under the

7 Bachmann 2008, 347–349.

supervision of Dörpfeld.[8] As for Blegen himself, when he published his first preliminary report, he presented two main goals of his new campaign, neither of which involved site display or conservation.[9] In the same publication, he mentioned the removal of vegetation, and »some work of repair and conservation was also begun in a few places where the walls are threatening collapse.«[10] He gave no specifics as to which walls were repaired, and indeed, in the next years‹ reports, seldom if ever mentioned conservation efforts. The only major effort made during the Blegen years to improve the legibility of the site involved the removal and systematic excavation of material blocking the view of the Troy VI fortifications at the South Gate, the East Tower, East Gate and Section 3 (Blegen system) of the citadel circuit wall.[11] This was a huge effort which did make one of the major features of Troy duly impressive and visible to every visitor, although it could be argued that it also privileged the Late Bronze Age at Troy at the expense of other periods. Nonetheless, we can be grateful to Blegen that he accomplished this work (under current ethical standards for both archaeology and conservation it is unlikely that this could have been done during the Korfmann years, had the resources even been available); Blegen himself appears to have been quite proud of his exhumation of the great fortifications, stating »we feel that something worth while [sic] has been done to make the site more presentable and more easily comprehensible to those who come to see it.«[12] In his final preliminary report, Blegen mentioned that an »overview terrace« was created to the east of the great wall to afford visitors a panorama of the Troy VI remains.[13] But judging from the almost complete neglect of the topic in the final publications on Troy, Blegen did not think site conservation was important enough to be included in a big field project. Only in the volume on Troy VI did he briefly mention the project to improve the display of the fortification walls.[14]

The legacy of the Blegen years was thus one of the existing conditions at Troy in 1988. The trees, weeds and bushes had once again taken over and had to be cut back, especially to allow aerial and other photographic documentation of existing conditions, according to Korfmann.[15] Tourists had been following the path laid out in 1933 for over 50 years, and in most places this continued to be viable. In some areas the foot traffic created a hard-packed surface, mostly impermeable to rain and thus causing minor flash-flooding and erosion. The most serious problem occurred at the great Ramp at Gate FM of Troy II where the tourists actually walked across the paving stones of the Ramp as they negotiated the way from the southern end of the so-called Schliemann Trench (north section) to the hillock containing the remains of Megaron VIA with Troy VII house walls on top (Fig. 1).

8 Blegen 1934a, 247.
9 Blegen 1932, 432–433.
10 Blegen 1932, 451.
11 Blegen 1935a, 25–26; Blegen 1935b, 574; Blegen 1937b, 583–585; Blegen 1939, 207.
12 Blegen 1937b, 585.
13 Blegen 1939, 207.
14 Blegen et al. 1953, 88–89.
15 Korfmann 1991, 5.

Giving the tourists an alternate route and then stabilizing the Ramp was an urgent priority. Of lesser urgency but nonetheless important was the visual confusion created by the stone steps placed at many points in the citadel as the visitor path negotiated the many level changes in the resultant topography. Basically, Troy has too many walls piled up on each other for easy comprehension. It became clear to the site conservation team, after several years, that interventions intended to control erosion, negotiate level changes and direct the path of visitors should not be made of exposed masonry, as it added to the visual chaos of the site.

The solution to several of these issues was to create a wooden walkway with all the bridges, steps and handrails needed to carry visitors around the site. There were several sites in Greece which had taken this approach (Poliochni on Lemnos) or were in the process of building such infrastructure during the 1990s (Knossos on Crete). Troy is larger than Poliochni, so replacing all of the paths at one time was not feasible. Instead the process was phased-in with the most urgent spots addressed first. The wooden walkway is a constant maintenance concern, but that negative is balanced by the number of problems which are solved. For example, the hard-packed areas soften and grass grows again in the margins of the path, thus absorbing rainfall and ameliorating erosion. Over the years, since 1992 when the first section of the path was built, the Dörpfeld-Blegen path has gradually been replaced (although as of 2008 a few sections still remained), with a few minor modifications (for example the elimination of the badly eroded 1933 stepped ramp, in area B6 to the northeast of Megaron VIA, by replacement with a stair) and additions (the circuit around the protective roof in area G6) to the route.

Fig. 1
The condition of the Troy II Ramp at Gate FM in 1992, before stabilization.
BW 92/101–10

The first section of the path, a bridge in the area D6/7, removed the foot traffic from the Troy II Ramp in 1992; as soon as it was finished, work began on the stabilization of the Ramp (more on this under Sections 3 and 4 following). Detailed documentation of the Ramp at a scale of 1:20 had been completed in 1990 and 1991 by a very patient Azer Arazlı, who endured the constant passage at her elbow of curious tourists while doing her meticulous drawing. The lower part of the Ramp disappeared under the profile, representing the entire stratigraphy of Troy VII down to Troy II. At this bottleneck for the tourist traffic it was necessary to build a masonry retaining wall to hold back the fill that carried the path. Before constructing this causeway-like element in 1993, sub-surface drainage was installed to prevent pools of water collecting at the bottom of the Ramp. As will be noted below in this section, this was not the only place at Troy where drainage was a major issue. Also in 1993 a stair was added to connect the »causeway« described immediately above with the Troy VII levels atop the hillock. Once this stair was in place the eroded stepped ramp in area B6 became redundant and a treatment of the slope along with Megaron VIA could be studied (more on this in Section 4 following). Finally, in 1996 the time had come to deal with the visual confusion of the masonry »causeway.« The solution was to extend the wooden pathway with a great cantilever over the stone element; this design (concept – including rope fence – by the author, development and construction supervision by Craig Jolly) simultaneously solved two problems. First, the confusing stone retaining wall »disappeared« under the cantilevered platform; second, the widening allowed a convenient place to view and photograph the Ramp, or for groups of visitors to cluster for a short narration about the Ramp (Fig. 2).

As mentioned in the background to this Section, Blegen did a great service for Troy by uncovering the whole length of the eastern section of the Troy VI fortification wall and Tower VIh. This feature remains one of the most impressive sights at Troy. But there was a drainage problem thus created of which Blegen was apparently oblivious. The path running immediately to the east of the Troy VI wall in K6/7 is at the Troy VI main horizon level, which is between one and two meters above bedrock (the Late Bronze Age engineers at Troy always extended the footings of their massive wall to near 10 cm of the bedrock). However, unlike in the time that horizon was originally used, there were now in all directions more or less impermeable accretions of several thousands of years. Winter rainwater pooling at this low point had nowhere to go, once the soil above bedrock was saturated. The lake that

Fig. 2
The Troy II Ramp during conservation work in 1992.
BW 92/101–7

existed until it evaporated in late Spring caused two serious problems. First, the tourists got their feet wet unless the site caretakers laid out stepping stones for them. Second, and more serious, the Troy IX walls immediately to the east – massive exposed foundations of local marly sandstone – soaked up water like a sponge, via capillary action. The eventual evaporation caused alarming surface spalling. The solution to the problem was the construction of sub-surface drainage leading to a dry well, which was placed in a pit excavated and then refilled by Blegen, for scientific reasons, in the 1930s. This work was done in 1995 and the site caretakers report that the lake no longer forms in K6/7 each winter.

Infrastructure for Site Care and Maintenance

In the beginning of the Korfmann campaign, when it was recognized that a certain amount of energy and resources would be dedicated to conservation issues, a commitment was made to ensure appropriate facilities for these activities. An area of the site was dedicated to the creation of the so-called *Bauhof*. The most unusual feature of the *Bauhof* is a lime pit. The lime is an essential ingredient of the mortars we use at Troy in conservation work. Other staging areas and storage bins in the *Bauhof* likewise support the mixing of mortars. The *Bauhof* also accommodates storage areas for equipment, tools, and materials as well as a shaded conference area, and a prefab trailer which is overflow housing for the project. Much of this was arranged by Friedmund Hueber, who also planted trees (Aleppo Pine, *Pinus halepensis*) around the *Bauhof* in 1992. These aromatic pines grow very quickly and now provide a good deal of shade in the area.

Many of the conservation activities in the center of the ruin, including ongoing maintenance, require supplies of water and electricity. Water is needed for mixing mortars and curing mortared masonry; electricity is needed for running certain power tools. Bringing generators out to sensitive tourist areas is not always an option, as they are noisy and unsightly. Therefore, in order to run utilities out to a few key points in the site, trenches were dug under archaeological supervision in 1995, and the lines installed. A plan showing these utility lines in the citadel is found in the Appendices.

Fabric Stabilization

In laying out their recommendations for the conservation and presentation of the ruins of Troy, Filgis, Mayer and Hueber all refer to the *Venice Charter* of 1964,[16] an international consensus on the handling of archaeological sites. Though now more than 40 years old, the *Charter* retains validity as a document to establish »current best practice« in the discipline. In essence the *Charter* calls for a scientific approach to conservation, which would include proper documentation before and after intervention, research to determine the most accurate interpretation, implied re-

16 ICOMOS 1964.

movability of any intervention, and a broader consideration of what constitutes a »period of significance.« Another principle addressed by the *Venice Charter* (Article 12) is that of stabilizing infill being clearly distinguishable from original materials, yet visually harmonious. More substantial additions, however, should be of their own time and only occur when absolutely necessary (a measure of last resort) according to Article 9. The reason for this last principle is clear: so that there is no confusion about what is original. For those untrained and inexperienced in the discipline of building and archaeological conservation there is often confusion about these two important concepts (minor infill versus substantial addition). For those properly trained, however, the difference is clear and the precedents known and understood. The *Venice Charter* and its addenda also call for the professionalization of the discipline, with development of training programs – the reason is self-evident.

As conservation work at Troy geared up in 1992, finding appropriate methods for infill procedures in accordance with the »current best practice« became a priority. The team established the following rules:

- between infill and original material, install a clear signifier for separating the two; this became a mortar joint embedded with fragments of modern terracotta tile – the treatment was clear at close inspection (a signal to future scientists) yet unobtrusive at the middle-distance view (Fig. 3);
- all mortar used should be a low-mechanical bond lime mortar: 3 parts sand, 1 part lime (for removability);
- in cases where a top coat needs slightly greater bonding, 1–2 trowels of local cement are added to each wheelbarrow of mortar, and earth placed on top immediately after troweling on the coat;
- infill pavers or blocks in prehistoric masonry (Troy I–VII) which were not simply uncoursed rubble or small stone mosaic, should recreate the typical size and shape of the original paver or block, but also be made up of a mosaic of smaller stones, with mosaic defined as at least four *tesserae* or units (Fig. 4);
- infill pavers or blocks in Post-Bronze Age masonry (Troy VIII–IX) would take a similar approach, except that when appropriate, mosaic stones would be saw-cut to present a smoother face than the prehistoric fabric – although some Troy VI masonry has an early saw-cut appearance (for example, at House VIE or the pillar of Pillar House) (Fig. 5);
- use limestone salvaged from properly recorded and dumped archaeological material for the infill, for a harmonious effect; the original/intervention distinction coming from the separation joint described above;
- for stone interventions in the ruin area and periphery which are not infill or additions to the ruin substance itself (for example, the base blocks for the Info-Tables, installed in 1998) use a stone such as the Kestanbul quartz munsonite, also known since the Roman Empire as the *Marmor Troadense*, which resembles a granite and which was used at Troy only from the 2nd century CE onwards;
- use natural admixtures to the mortar to create harmonious colors (here again material salvaged from properly handled excavation procedures is used: local ceramic sherds when ground to a powder produce a particularly Trojan earth-tone).

Fig. 3
A top treatment of a Troy I wall in the northern Schliemann trench, with the tile separation joint (2008); historic photos were used to re-create the typical »herringbone« technique. Provided by the author.

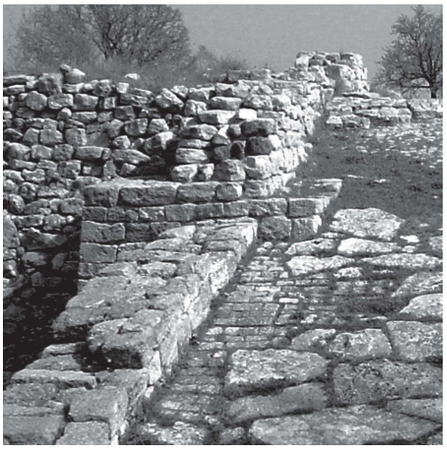

Fig. 4
The Troy II Ramp as it appeared in March 2007, with mosaic infill at edges of the paved area. Provided by the author.

Two of the worst threats to the ruins at Troy, and most other sites, are water penetration and erosion. A method to reduce the amount of water penetrating a prehistoric wall or a later unmortared, rubble wall is called »top-capping.« One or two rubble courses with lime mortar are built up on top of the existing wall, with a separation signifying joint in between. Stones are selected to roughly replicate the original. This technique has the added bonus of increasing site legibility, as it raises up the legible top surface of some of the very ruined walls.[17] Each case of erosion at Troy presents a stand-alone situation which required a combination of techniques; in the case of the Megaron VIA the solution also improved legibility. The northeast longitudinal wall of the Megaron in area B6 was in danger of collapsing into the eroded »canyon« that was the result of laying bare the circuit of the Troy II fortifications to the west of the Gate FM Ramp. The solution was to build a foundation/retaining wall under the Megaron wall, and then bury it in the slope, on which vegetation could now be promoted (the root systems prevent future erosion) by virtue of the permanent re-routing of the tourist path. In general at erosion problem areas, the following questions must be asked: if a masonry retaining wall is built can it be hidden by burial? What is the »angle of repose« of sloping areas? Can vegetation be promoted to prevent erosion?

Finally, we have learned at Troy over twenty years that a commitment to a »current best practice,« especially for fragile rubble and mudbrick prehistoric features, is also a commitment to ongoing care and maintenance. Low-mechanical bond mortars will not last forever. Consolidants do more harm to these fragile walls than good and should be avoided. The best approach is to perform annual minor repairs – it was done originally, millennia ago, and throughout time, with these construction types; there is no »hi-tech« solution yet which can replace these time-honored approaches.

17 For later Roman period walls that originally used a hydraulic-type mortar (usually with the admixing of volcanic *pozzolana*) the solution can be very solid and permanent with a slurry top-coat of a similar mortar; however, in Asia Minor, even under the Roman Empire, a building technique with little or no mortar, and relatively few bricks, appears to have been a hold-over from the Hellenistic era. At Troy we therefore have had to find other techniques.

Legibility Issues

Fig. 5
A section of Wall IX N (Athena Temenos) near the Troy VI Northeast Bastion, showing the saw-cut mosaic infill; the »windows« show the original fabric behind; note mason's marks in original face blocks. Provided by the author.

As mentioned in the introduction, Troy presents a truly daunting legibility problem. Fortunately, by stabilizing parts of the ruin its legibility was automatically improved. There were some other areas where there might have been a choice between selective reburial or protective, legibility-promoting »top-capping.« The period requiring and receiving the most attention in this area was Troy II. There is no question that Troy II was a period of great significance, but it was also one of the oldest which had been exposed to the elements for the longest time, and therefore had suffered greatly. It was possible to see how cruel the last 100 years had been to some of the Troy II features because of the excellent photo archives left by both Schliemann and Dörpfeld. Troy II itself had multiple phases, to add to the confusion. However, it would have been unacceptable practice to try to display one of these phases at the expense of others. This approach was not doctrinaire, however. For example, in the sequence of gates and inner courts leading to the south-facing porch of the great Megaron IIA, it was desirable to make this complex more legible. In the treatment of the fortification walls to the west and north of the Ramp at Gate FM, however, multiple phases were repaired, using the photos which showed how these features looked when first excavated. The goal was to make the walls reveal their impressive nature once more.

As described above, Blegen had already attended to improving the legibility of the Troy VI fortification walls. In 1998 House VIM was treated with infill at the top of the walls which had the added benefit of restoring its monumentality. As for the great Hellenistic Athena Temenos of Troy VIII, so much of it was already dismantled by quarrying activities before Schliemann that it can best be understood virtually, or by scholars. The small Roman period (Troy IX) Odeion was better preserved, and after extensive excavations, the legibility of its stage building with attached colonnade (just as Vitruvius describes it as a typology) was improved through an infill and topping approach. The full extent of the Odeion conservation is treated below.

Reburial

Site conservators will tell you that from a technical point of view, reburial is probably the best way to prevent deterioration in the long term. This approach is at odds both with the desire to give visitors something to see and with Turkish regulations generally prohibiting reburial of excavated architectural remains. This becomes a management issue, with the resources available being balanced against the evaluation of the site significance, including which features contribute to that significance. At Troy, for example, some late antique mosaics found in the Lower City, in area D20,

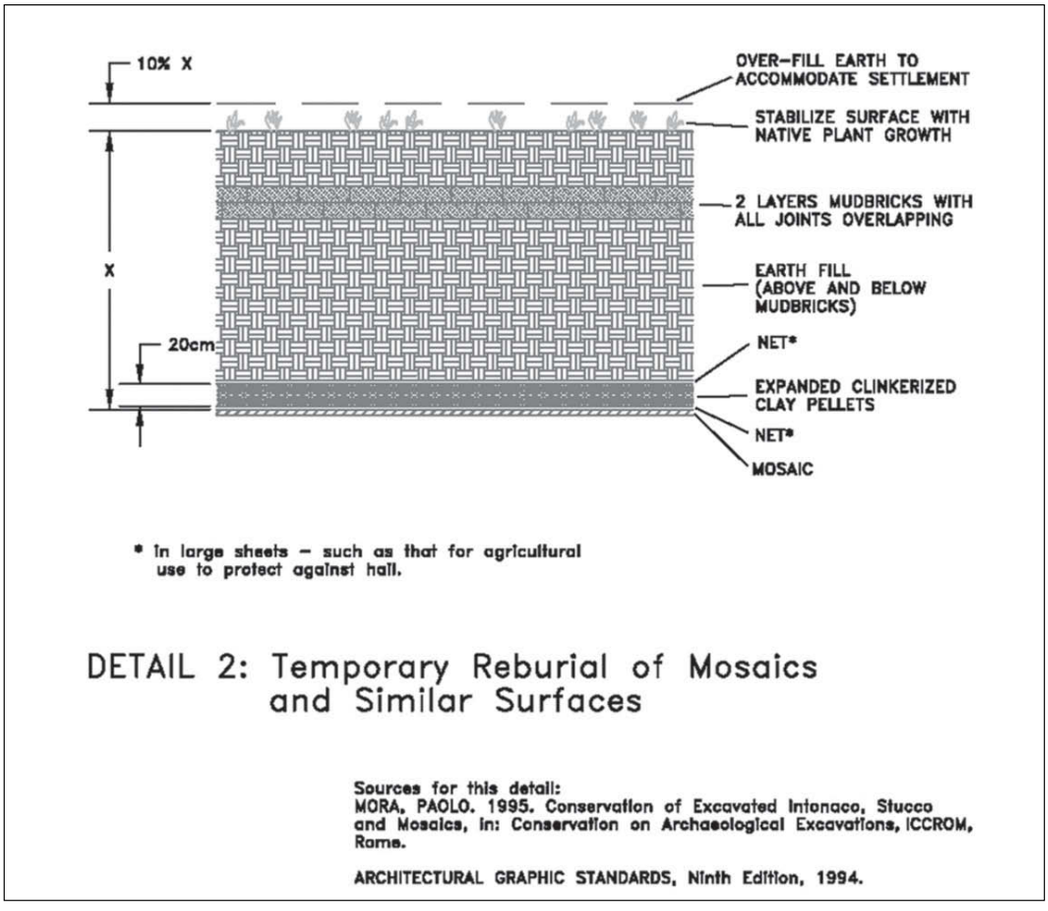

Fig. 6
Schematic section at temporary reburial of a mosaic floor in situ. Provided by the author.

were reburied as an intermediate temporary solution, because 1) there was no museum space for them in case they were »lifted«, 2) the Lower City would not be open to the public for some time to come, and 3) the primary periods of significance for the Lower City are Bronze Age, because of their rarity. The technical approach to reburial is illustrated in Fig. 6. The layer of mudbricks was our local adaptation of the standard detail calling for a layer of Bentonite; the purpose of the layer is to be (relatively) impermeable. The clay in the mudbricks would cause a similar ponding of moisture well above the mosaics.

Securing Current Use

International consensus on the conservation of archaeological sites has built upon the *Venice Charter* but never repudiated its principles. One addendum to this model of »current best practice« involves the use of ancient theaters for current cultural events.[18] In such a case, a higher level

[18] The *Verona Charter* (Council of Europe 1997)) came out of the initiatives of the European Network of Ancient Places of Performance, fostered by the Council of Europe, replacing its precursor, the Segesta Declaration.

of intervention would be required to make the ancient structure safe and attractive, although as always such work should be pursued with the highest possible scientific standards. The reason for this exception in the case of theaters is the notion that cultural activities will generate income for a site, either directly or indirectly. This provision is not without controversy, but Troy is luckily spared from disagreement about the use of the Odeion.

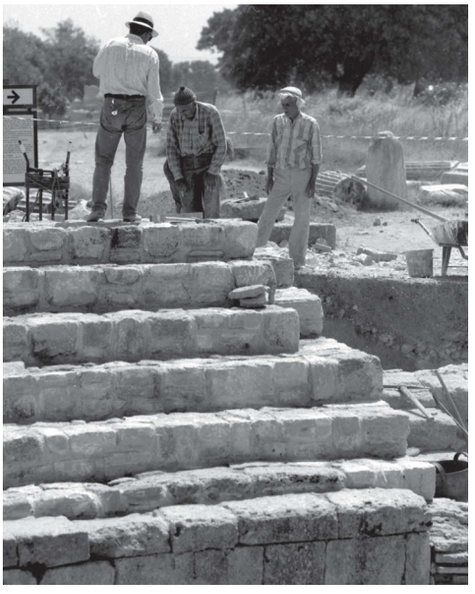

Fig. 7
The Odeion during stabilization in 1993. BW 93/076– 30 to 31.

At Troy, the small Roman Odeion was already being used for concerts and performances, despite its dilapidated condition. It required both immediate and necessary stabilization, and a slightly higher level of intervention than normally used at Troy. The work of stabilizing the cavea (seating area) and stage building began in 1992 (Fig. 7) and was finished in 1998 (Fig. 8), while excavations occurred at the same time. The pre-Roman levels of the excavation were reached late in the 1995 season. Since 1998 the consolidant used on the remains of the *opus mixtum* wall between the orchestra and the stage has lost its effectiveness (and we have concluded already that using consolidants is not the best approach) – therefore in the near future another approach will be attempted. The formula for the

Fig. 8
The restored Odeion in 1998.Troia Projekt, Tübingen.

original consolidant can be found in the Appendices; the proposed new treatment for the stage front is outlined in the Site Management Masterplan for Troy.[19]

Lapidarium: Supporting Research

One of the tasks that occupied the team at Troy was the cataloging of the many architectural blocks from Troy VIII and IX which were scattered over the citadel. More than 500 blocks were cataloged, with their find spots recorded in the CAD database (see Lapidarium Plan in the Appendices, as well as the entire stone database). Many of the blocks were drawn in detail, and the author published an article in 1996 on an innovative approach to this task, using the Odeion as a case study.[20] The effectiveness was tested in the study by the author summarized in a 2007 article.[21] Many blocks could be identified with a certain structure and these included the Odeion, Theater A, the Athena Temple, the Bouleuterion, the Aeolic Building under the North Building, and the Propylaion to the Athena Temenos. Each block that was cataloged had its unique numerical tag painted on an unobstrusive surface, and in some cases, the blocks were arranged on the site to make them more accessible and safer from various hazards.

Protective Interventions

Because Troy under the *Troia-Projekt* has been an integrated project, conservation and excavation were going on at the same time. Often at the close of a season it was necessary to build some kind of temporary structure to protect remains while study of a conservation approach occurred, and/or to keep the area open for ongoing research. As of 2008, in the citadel area most of the temporary coverings have been replaced by a permanent treatment. But in the Lower City in area yz28, a temporary roof structure stands over the trench at the bottom of which is the cutting in the bedrock that is part of the Lower City defensive works in the Late Bronze Age. Halfway towards the citadel in the area H17, a simpler covering of sand and gravel protects a defensive feature of the Early Bronze Age. It is hoped that in the future a proper permanent roof structure will protect these features with a design that is both effective and aesthetically pleasing. This issue is treated at length in the 2009 Site Management Masterplan for Troy.

In the center of the citadel, a complex of Early Bronze Age structures was uncovered in G6, partially during the Schliemann and Dörpfeld years, then during the Korfmann years. The megaron and fortifications are mudbrick on stone foundations. The Early Bronze Age Citadel suffered several destructions by fire which led Schliemann to calling it the »burnt city«. It was therefore appropriate to cover the original Troy II mudbricks, on which these fires have left their marks, with a layer of specially created »burned« brick – the formula is included in the Appendices. To further protect and display these features, a large five-sided tensile roof structure was

19 Riorden 2009. See chapter »Care & Maintenance of the Ruin«.

Fig. 9
Under the G6 roof; the original Troy II mud-bericks are protected with a layer of specially created »burned« brick – the formula is included in the Appendices.Provided by the author.

erected; the structure was finished in 2003. The roof was designed by Björn Rimner, under supervision from his thesis advisors at the University of Stuttgart.[22] In accordance with the *Venice Charter*, the roof is clearly of its own time and would never be confused with any original feature; it is also expressive of its primary purpose (Fig. 9). The 2009 Site Management Masterplan calls for all additional roof structures to be a »theme and variation« on this construction type, which will then become associated (it is hoped) with a »Troy« image.

Site Wayfinding

Early in the Korfmann years the importance of providing tourists and visitors with supplementary information was recognized and acted upon.[23] Twelve information tables were placed at key places within the citadel area, with illustrated texts in three languages: Turkish, German and English. The location and themes of these tables are treated by Filgis and Mayer.[24] Despite the care

20 Riorden 1996.
21 Riorden 2007, 47.
22 Korfmann 2004, 3.
23 Korfmann 1991, 30.
24 Filgis – Mayer 1992, 100 fig. 3.

and maintenance these tables received each year from the *Troia-Projekt* team, they were not resistant to ultra-violet and mold, and so by 1997 they were faded and blotched. In 1998 a generous donation and direct assistance from then DaimlerChrysler corporation permitted them to be replaced by higher quality product, with a much more elegant matte stainless steel pedestal base. The foot of each pedestal was a single large block of *Marmor Troadense*; the hand-quarried blocks were donated by local officials. This design feature allowed the vandal-resistant designed tables to be installed without digging into the sensitive archaeological material. At this time there was an expansion of the number of these tables, even including one dealing with the diversity of fauna found at Troy. In August 2008, after ten years, there was no fading; the only noted damage were tiny stress fractures around the bolt connections of the clear Lexan-type panels. These can be replaced in the near future with the duplicate panels thoughtfully provided by then Daimler-Chrysler, currently stored in the excavation house.

When Dörpfeld finished his work in 1894 he published an extraordinary plan of Troy along with his *Troja und Ilion*. The color-coded plan sorted out the settlement phases and showed the salient architectural features of the site monuments. During the Blegen years and in the Blegen publications the Dörpfeld area designations were carried over, and many features were measured and drawn in detail, but the team never produced a new comprehensive plan. In 1994, the author, with the advice and instigation of Friedmund Hueber, produced an updated version of the plan, including also a second version with the same linework but a different colored background, whose purpose was to show the visitor path in relation to those features which one could actually still see (as opposed to the comprehensive plan where everything ever known – and legible at 1:500 – was shown).[25]

Visitor/Ruin Interactions in 2008

In 1998 UNESCO declared the site of Troy item No. 849 on its World Cultural Heritage List. This great honor carries with it certain strongly suggested responsibilities, one of which is the production of a Site Management Masterplan. During the summer 2008 campaign, the author and two students started working on the Masterplan, with the hope that it would help carry Troy into the next decades in a secure and well-maintained condition.[26] The Site Management Masterplan for Troy was completed in September 2009.

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25 Hueber – Riorden 1994, Beilagen. New, updated digital plans have been created by Peter Jablonka and in 2008 by the author (with the students Kristin Barry and Carrie Hunsaker) as part of the Site Management Masterplan.

26 Director Ernst Pernicka with assistance from the author raised funds for the Site Management Masterplan from the Institute for Aegean Prehistory (INSTAP) in Philadelphia; the author raised additional funds from the Samuel H. Kress Foundation to support the efforts of Barry and Hunsaker. It is hoped that this document will assist the authorities in the production of an official Site Management Plan for Troy in the near future.

Year	Areal	Feature	Period(s)	Problem	Remedy	Remarks	Designer
1987	F5/6	Tower Ir	I	erosion	rebuilt and consolidated		MY
1991	D6	Bastion IIdb, citadel wall phase 1	II	erosion	rebuilt and consolidated		MY
1992	D5	Citadel wall I	I	?	restored		MY
1992	D4	Walls Ig and Ik	I	?	restored		MY
1992	C6/7	Ramp at Gate IIFM	II	erosion from tourists	infill with »Composite Type II« stones, eastern »tower« restored		FH
1992	K3	Bastion VI NE, Athena temenos foundation wall »IX«N	VI,VIII	crumbly marl foundations exposed	infilled with »Composite Type VIII/IX« stones		FH
1992	IK 6/7	Citadel Wall VI	VI	individual blocks with spalled faces (salt air problem?)	infilled with »Composite Type VI« stones		FH
1992	HI8	Bouleuterion	IX	crumbly marl foundations exposed	infilled with »Composite Type VIII« stones		FH
1992	PQ 4/5	created site »Bauhof«	na	facility to expedite site conservation lacking	built, including lime pit and equipment storage		FH
1992	D6/7	Tourist Bridge	na	tourists walking over Ramp IIFM	path diverted with bridge		FH
1993	D5	Megaron IIA	II	danger of collapse where cut by Schliemann Graben	modern mudbrick support wall built below		FH
1993	BC 6/7	Ramp at Gate IIFM	II	water collecting at bottom, eroded tourist path	drainage added and wood steps to get tourist path away from hillside in B6		FH
1993	EF 9	Citadel Wall VI	VI	illegible and eroded	top treated with stone and slurry coat, increased legibility		FH
1993	K5/6	Gate VI S doorway	VI	no longer visible	attempt at reconstruction	see reworking in 1996	FH

Tab. 1
Work done by year.

1993	K6	Gate VI S	VII	danger of collapse	infill consolidation		FH
1993	IK3	stair at Northeast Bastion	VIII	collapsed and eroded	rebuilt/consolidated		FH, SD
1993	EF 9/10	Odeion cavea	IX	eroded and collapsing, illegible	sub-seats and analemma consolidated, mistaken restorations removed, made usable for concerts,		FH
1994	D3/4	Terrace wall M in Schliemann ditch north	I, II	threatened collapse	battered retaining wall built		MY
1994	FG9	Citadel Wall VI	VI	fallen stones, illegible	replaced with »Composite Type VI« stones		FH
1994	K4/5	Citadel Wall VI	VI	section entirely removed by Schliemann	infill wall built, face not flush with VI face, but inset		FH
1995	CD3	House 102	I	erosion and illegibility	»reading« of building over protective fill, drainage		MY?, SD
1995	CD 5/6	Gate II FM	II	illegibility	scientific restoration of foundations, »window« to older II wall below		ER
1995	K5/6	Citadel Wall VI	VI	erosion/spalling of individual blocks	infilled		MY?, SD
1995	K6/7	drainage of East Gate/tourist path	VI	spring flooding with no outlet for water	subsurface drainage to dry well created in a Blegen sondage		ER
1995	G8/9	Houses 701 and 703	VI, VII	collapsed sections	house walls defining VI/VII street repaired built up and consolidated east wall becomes self-supporting	new work possible because of moving the tourist path in 1992 and 1993	AD

Tab. 1 Continuation.

1995	B6	Megaron VIA	VI	danger of erosion of east wall	tinted darker to be less obtrusive hillside below regraded and prepared for plant growth		ER, AD
1995	G9	Tower VIi	VI	illegible and eroded	infill/top consolidation with »Composite Type VI« blocks		AD
1995	K6	foundations of Athena Temple precinct	VIII	crumbly marl foundations exposed	infill with »Composite Type VIII/IX«		AD
1995	na	Water and power lines	na	work in center of mound hindered by no infrastructure	water and power trenches dug under archaeological supervision, hook-ups provided	see plan in appendices	ER
1996	offsite	mock-up of megaron IIA ante	II	presentation of fragile mud-brick walls	cementitious imitation of brick and wood parts, laid up according to Doerpfeld's dwgs.	deemed to be too heavy-handed for use on site	ER
1996	BC6/7	Ramp at Gate IIFM	II	masonry wall supporting the new tourist path confusing situation	covered with a cantilevered platform for pausing, viewing the Ramp		ER, CJ
1996	A7, B8	Citadel Wall VI	VI	eroded stones, reduced legibility	replaced with »Composite Type VI« stones		MY?, SD
1996	K5/6	Gate VI S	VI	doorway not legible, old restoration not accurate	old restoration removed and replaced with more scientific work		SD
1996	A7	Gate VI U	VI, VII VII	infill wall undermined and in danger of collapse	support wall added		SD
1996	A6/7	House 791	VIIb1	erosion and incomplete excavation cleaning,	excavating, documentation and consolidation		SD

Tab. 1
Continuation.

1996	E9	House walls	VIIb2/b1	top-heavy walls undermined	provisional retaining wall placed next to walls		SD
1996	K4	Troia VII retaining wall	VII	undermined VII wall in danger of collapse	limestone support wall added below		SD
1996	A8/9	Sanctuary: round and trapezoidal wells	VIII, IX	winter weather and damage from sheep/goats/tourists	minor repairs	note: trapezoidal well was preserved with an upper course of masonry sometime post-Blegen, pre-1988	team
1996	EF10	Odeion stage building	IX	skene and opus mixtum stage front edge exposed	consolidation of skene foundations and cantilevered protective roof over front edge		ER
1996	na	conservation guidelines by E. Riorden	na	work hindered by no handbook with clear procedural guidelines	written by E. Riorden, translated into Turkish by Cem Aslan	see digital appendices	ER
1996	na	report from Nicholas Stanley Price	na	consensus from experts needed	NSP visited and produced report outstanding recommendations	included need to recognize different periods of significance for different parts of the site visitor survey that showed attraction of seeing archaeologists at work	NSP
1997	D-F 4/5	Megaron IIA	II	lack of legibility	door crosswall built up with »fake« mudbricks, space of forecourt indicated with uniform gravel surface		ER
1997	EF 5/6	Propylon IIC	II	erosion and illegibility	top treatment, infill for missing ante block		ER

Tab. 1 Continuation.

1997	C-E 6/7	Series of citadel walls, II-III	II,III	old restoration looked jarring, more of wall in D7 exposed	removed old restoration at bastion db, improved legibility of wall between IIFM and II db, consolidation of section of late II wall in D7		SD
1997	A-C 6-8	Citadel wall VI	VI	eroded and illegible	top treatment with »Composite Type VI« stones		SD
1997	IK 3/4	postern gate Vig	VI	erosion of side walls	side walls consolidated to display and secure the cut stone doorway		SD
1997	H8	Bouleuterion	IX	crumbly marl foundations exposed	infill with »Composite Type VIII/IX«		team
1998	EF 5/6	top of tower Ir and wall to east	I	illegibility	top treatment		ER
1998	G6	G6 Megaron	II	newly excavated mud-brick	stabilization		SD
1998	BC 5/6	Gate II FL	II	collapsed stones and illegibility	consolidated with small stones and top treatment		
1998	EF 5/6	Propylon IIC enclosure walls	II	illegibility	top treatment		
1998	BC8	Citadel wall VI	VI	eroded and illegible	top treatment with »Composite Type VI« stones		
1998	A7	gate VIU	VI	spalled stones	minor repairs		
1998	B-D 7/8	House VIM-SE corner	VI	erosion and spalling	infill with »Composite Type VI« stones		
1998	K3	Northeast Bastion VI	VI	eroded and illegible	top treatment with »Composite Type VI« stones		

Tab. 1
Continuation.

1998	EF 10	Odeion	IX	opus mixtum stage front edge exposed	opus mixtum wall treated with consolidant, new wood edge to the stage, between stage and orchestra		
1998	F8	Stoa IXB	IX	erosion undermining foundations	filled gaps with mudbrick		
1998	na	new info tables	na	older tables were completely faded- no UV resistance, collected dirt	newly designed UV and vandal-resistant tables base unobtrusive on archaeological material		
1998	CD 7	tourist connector walkway	na	discontinuity between Bridge and Ramp II FM viewing platform	added connector piece of wood, sympathetic forms and details		
1999	B5	Gate II FL and postern II FK	II	collapsed stones and illegibility	consolidated with small stones and top treatment		
1999	F6	Gate II FO	II	erosion and weathering	stabilized		
1999	D-F 3/4	Megarons IIB and IIH up to W wall of IIR	II	eroded and illegible	top treatment		
1999	t14/15	cave	VI, X	water stagnant and cave and Byzantine well potentially hazardous	increased water flow and added grills and grating to cave mouth and well		
1999	B-D 7/8	House VIM-SW wall	VI	erosion and spalling	infill with "Composite Type VI" stones		
1999	A8/9	Lower Sanctuary of VIII	VIII	altars and temenos undermined	filled with excavated (ie sifted) soil		
1999	EF 10	Odeion stage building colonnade	IX	foundations undermined	filled with excavated (ie sifted) soil		

Tab. 1
Continuation.

1998	EF 10	Odeion	IX	opus mixtum stage front edge exposed	opus mixtum wall treated with consolidant, new wood edge to the stage, between stage and orchestra		
1998	F8	Stoa IXB	IX	erosion undermining foundations	filled gaps with mudbrick		
1998	na	new info tables	na	older tables were completely faded- no UV resistance, collected dirt	newly designed UV and vandal-resistant tables base unobtrusive on archaeological material		
1998	CD 7	tourist connector walkway	na	discontinuity between Bridge and Ramp II FM viewing platform	added connector piece of wood, sympathetic forms and details		
1999	B5	Gate II FL and postern II FK	II	collapsed stones and illegibility	consolidated with small stones and top treatment		
1999	F6	Gate II FO	II	erosion and weathering	stabilized		
1999	D-F 3/4	Megarons IIB and IIH up to W wall of IIR	II	eroded and illegible	top treatment		
1999	t14/15	cave	VI, X	water stagnant and cave and Byzantine well potentially hazardous	increased water flow and added grills and grating to cave mouth and well		
1999	B-D 7/8	House VIM-SW wall	VI	erosion and spalling	infill with "Composite Type VI" stones		
1999	A8/9	Lower Sanctuary of VIII	VIII	altars and temenos undermined	filled with excavated (ie sifted) soil		
1999	EF 10	Odeion stage building colonnade	IX	foundations undermined	filled with excavated (ie sifted) soil		

Tab. 1
Continuation.

1999	F5	lookout platform on covered pinnacle	na	not possible to see the late II megarons as a whole	bring visitors up to a high point for viewing		
2000	B5	Gate II FL	II	collapsed stones and illegibility	consolidated with small stones and top treatment		
2000	FG6	Gate II FO and bastioned wall to E	II	erosion and weathering	stabilized and legibility improved with specially prepared mudbricks		
2000	E5	Megaron IIA	II	presentation still too unimpressive	added more material (temporary)		
2000	D-F 3/4	Megarons IIB and IIH up to W wall of IIR	II	eroded and illegible	top treatment		SD
2000	t14/15	cave	VI, X	research finished, fear of vandalism	cave mouth partially filled with masonry behind 1999 grill		
2000	AB 7/8	Citadel wall VI	VI	legibility from tourist path	top treatment and new wooden path for visitors		
2000	z 6/7	Temple A and North Building	VIII	walls undermined	filled with excavated (ie sifted) soil		
2000	na	tree planting	na	treat site with certain desirable trees	Abies equi troiani,Quercus Troiana		
2001	G6	Citadel Wall II	II	erosion and weathering, accomodation of new roof foundations	stabilized and legibility improved with specially prepared mudbricks		
2001	A6/7	Megaron VIA	VI	illegibility	top treatment for legibility		
2001	y8	VI walls	VI	susceptible to erosion/ collapse	consolidation		
2001	zA 7/8	houses of VIIa	VII	susceptible to erosion/collapse	consolidation		

Tab. 1
Continuation.

2001	y/z 7-9	tourist path in SW extramural area	na	tourist not able to see VII houses	path extended		
2002	F6	Gate II FO	II	erosion caused by tourists	wooden path added		
2002	yz 7/8	»courtyard« house, street to Gate VI U	VII	presentation still too unimpressive	added a few more courses of masonry		EN
2002	t 14/15	fish tanks	VIII, IX	erosion caused by tourists	tanks consolidated and wooden path added		
2003	FG 6	new roof	na	fragile G6 megaron area	built tensile roof, 5-sided		B. Rimner
2004	FG6	G6 Megaron	II	protection and legibility	display design		MF
2004	IK 5/6	new wooden tourist steps/path	na	older stone steps were maintainance/ hazard problem	new steps/path		MF
2004	na	routine maintainance and tree planting	na	general maintainance issues	case-by-case routine remedies (plantings)		
2005	na	routine maintainance	na				RA

Tab. 1
Continuation.

Year	Areal	Feature	Period	Problem	Remedy	Designer
1995	CD3	House 102	**I**	erosion and illegibility	»reading« of building over protective fill, drainage	MY?, SD
1994	D3/4	Terrace wall M in Schliemann ditch north	**I, II**	threatened collapse	battered retaining wall built	MY
1992	D4	Walls Ig and Ik	**I**	?	restored	MY
1992	D5	Citadel wall I	**I**	?	restored	MY
1998	EF 5/6	top of tower Ir and wall to east	**I**	illegibility	top treatment	ER
1987	F5/6	Tower Ir	**I**	erosion	rebuilt and consolidated	MY
1998	BC 5/6	Gate II FL	**II**	collapsed stones and illegibility	consolidated with small stones and top treatment	SD
1993	BC 6/7	Ramp at Gate IIFM	**II**	water collecting at bottom, eroded tourist path	drainage added and wood steps to get tourist path away from hillside in B6	FH
2000	B5	Gate II FL	**II**	collapsed stones and illegibility	consolidated with small stones and top treatment	SD
1999	B5	Gate II FL and postern II FK	**II**	collapsed stones and illegibility	consolidated with small stones and top treatment	SD

Tab. 2
Work done by Period.

1996	BC6/7	Ramp at Gate IIFM	**II**	masonry wall supporting the new tourist path confusing	situation covered with a cantilevered platform for pausing, viewing the Ramp	ER, CJ
1995	CD 5/6	Gate II FM	**II**	illegibility	scientific restoration of foundations, »window« to older II wall below	ER
1992	C6/7	Ramp at Gate IIFM	**II**	erosion from tourists	infill with »Composite Type II« stones, eastern »tower« restored	FH
1997	C-E 6/7	Series of citadel walls, II-III	**II,III**	old restoration looked jarring,	removed old restoration at bastion more of wall in D7 exposed db, improved legibility of wall between IIFM and II db, consolidation of section of late II wall in D7	SD
1993	D5	Megaron IIA	**II**	danger of collapse where cut by Schliemann Graben	modern mudbrick support wall built below	FH
1991	D6	Bastion IIdb, citadel wall phase 1	**II**	erosion	rebuilt and consolidated	MY
1999	D-F 3/4	Megarons IIB and IIH up to W wall of IIR	**II**	eroded and illegible	top treatment	SD
2000	D-F 3/4	Megarons IIB and IIH up to W wall of IIR	**II**	eroded and illegible	top treatment	SD
1997	D-F 4/5	Megaron IIA	**II**	lack of legibility	door crosswall built up with »fake« mudbricks space of forecourt indicated with uniform gravel surface	ER
1997	EF 5/6	Propylon IIC	**II**	erosion and illegibility	top treatment, infill for missing ante block	ER
1998	EF 5/6	Propylon IIC enclosure walls	**II**	illegibility	top treatment	ER
2000	E5	Megaron IIA	**II**	presentation still too unimpressive	added more material (temporary)	
2004	FG6	G6 Megaron	**II**	protection and legibility	display design	MF
2000	FG6	Gate II FO and bastioned wall to E	**II**	erosion and weathering	stabilized and legibility improved with specially prepared mudbricks	
1999	F6	Gate II FO	**II**	erosion and weathering	stabilized	SD
2002	F6	Gate II FO	**II**	erosion caused by tourists	wooden path added	

Tab. 2 Continuation.

2001	G6	Citadel Wall II	**II**	erosion and weathering, accomodation of new roof foundations	stabilized and legibility improved with specially prepared mudbricks	
1998	G6	G6 Megaron	**II**	newly excavated mudbrick	stabilization	SD
1996	offsite	mock-up of megaron IIA ante	**II**	presentation of fragile mudbrick walls	cementitious imitation of brick and wood parts, laid up according to Doerpfeld's dwgs.	ER
2001	A6/7	Megaron VIA	**VI**	illegibility	top treatment for legibility	
2000	AB 7/8	Citadel wall VI	**VI**	legibility from tourist path	top treatment and new wooden path for visitors	
1996	A7	Gate VI U	**VI, VII**	VII infill wall undermined and in danger of collapse	support wall added	SD
1998	A7	Gate VIU	**VI**	spalled stones	minor repairs	team
1998	BC8	Citadel wall VI	**VI**	eroded and illegible	top treatment with Composite Type VI stones	SD
1998	B-D 7/8	House VIM-SE corner	**VI**	erosion and spalling	infill with Composite Type VI stones	SD
1999	B-D 7/8	House VIM-SW wall	**VI**	erosion and spalling	infill with Composite Type VI stones	SD
1993	EF 9	Citadel Wall VI	**VI**	illegible and eroded	top treated with stone and slurry coat, increased legibility	FH
1994	FG9	Citadel Wall VI	**VI**	fallen stones, illegible	replaced with Composite Type VI stones	FH
1995	G8/9	Houses 701 and 703	**VI, VII**	collapsed sections	house walls defining VI/VII street repaired	AD
1995	G9	Tower VIi	**VI**	illegible and eroded	infill/top consolidation with Composite Type VI blocks	AD
1997	IK 3/4	postern gate Vig	**VI**	erosion of side walls	side walls consolidated to display and secure the cut stone doorway	SD
1992	IK 6/7	Citadel Wall VI	**VI**	individual blocks with spauled faces (salt air problem?)	infilled with Composite Type VI stones	FH
1992	K3	Bastion VI NE, Athena temenos foundation wall IX N	**VI,VIII**	crumbly marl foundations exposed	infilled with Composite Type VIII/IX stones	FH
1998	K3	Northeast Bastion VI	**VI**	eroded and illegible	top treatment with Composite Type VI stones	SD
1994	K4/5	Citadel Wall VI	**VI**	section entirely removed by Schliemann	infill wall built, face not flush with VI face, but inset	FH

Tab. 2
Continuation.

1995	K5/6	Citadel Wall VI	**VI**	erosion/spalling of individual blocks	infilled	MY?, SD
1996	K5/6	Gate VI S	**VI**	doorway not legible, old restoration not accurate	old restoration removed and replaced with more scientific work	SD
1993	K5/6	Gate VI S doorway	**VI**	no longer visible	attempt at reconstruction	FH
1995	K6/7	drainage of East Gate/tourist path	**VI**	spring flooding with no outlet for water	subsurface drainage to dry well created in a Blegen sondage	ER
1999	t14/15	cave	**VI, X**	water stagnant and cave and Byzantine well potentially hazardous	increased water flow and added grills and grating to cave mouth and well	
2000	t14/15	cave	**VI, X**	research finished, fear of vandalism	cave mouth partially filled with masonry behind 1999 grill	
2001	y8	VI walls	**VI**	susceptible to erosion/collapse	consolidation	
1996	A6/7	House 791	**VIIb1**	erosion and incomplete excavation	cleaning, excavating, documentation and consolidation	SD
1994	B7	House VII-upsilon	**VII**	illegible and eroded	consolidated	FH
1996	E9	House walls	**VIIb2/b1**	top-heavy walls undermined	provisional retaining wall placed next to walls	SD
1996	K4	Troia VII retaining wall	**VII**	undermined VII wall in danger of collapse	limestone support wall added below	SD
1993	K6	Gate VI S	**VII**	danger of collapse	infill consolidation	FH
2002	yz 7/8	courtyard house, street to Gate VI U	**VII**	presentation still too unimpressive	added a few more courses of masonry	
2001	zA 7/8	houses of VIIa	**VII**	susceptible to erosion/collapse	consolidation	
1999	A8/9	Lower Sanctuary of VIII	**VIII**	altars and temenos undermined	filled with excavated (ie sifted) soil	
1996	A8/9	Sanctuary: round and trapezoidal wells	**VIII, IX**	winter weather and damage from sheep/goats/tourists	minor repairs	team
1994	C7	Well Be	**VIII**	directly in new tourist path at Ramp IIFM	built up as section	MK
1994	D9	Hellenistic wall	**VIII**	hole made Schliemann	infill	FH
1993	IK3	stair at Northeast Bastion	**VIII**	collapsed and eroded	rebuilt/consolidated	FH, SD

Tab. 2 Continuation.

1995	K6	foundations of Athena Temple precinct	**VIII**	crumbly marl foundations exposed	infill with Composite Type VIII/IX	AD
2002	t14/15	fish tanks	**VIII, IX**	erosion caused by tourists	tanks consolidated and wooden path added	
2000	z6/7	Temple A and North Building	**VIII**	walls undermined	filled with excavated (ie sifted) soil	
1994	D9	Odeion cavea	**IX**	upper western part robbed out since Mehmet I (?) or before	original profile recreated with earthfill	FH
1998	EF 10	Odeion	**IX**	opus mixtum stage front edge exposed	opus mixtum wall treated with consolidant, new wood edge to the stage, between stage and orchestra	ER
1999	EF 10	Odeion stage building colonnade	**IX**	foundations undermined	filled with excavated (ie sifted) soil	
1993	EF 9/10	Odeion cavea	**IX**	sub-seats and analemma eroded and collapsing, illegible	consolidated, mistaken restorations removed, made usable for concerts, etc.	FH
1996	EF10	Odeion stage building	**IX**	skene and opus mixtum stage front edge	exposed consolidation of skene foundations and cantilevered protective roof over front edge	ER
1998	F8	Stoa IXB	**IX**	erosion undermining foundations	filled gaps with mudbrick	SD
1992	HI8	Bouleuterion	**IX**	crumbly marl foundations exposed	infilled with Composite Type VIII stones	FH
1997	H8	Bouleuterion	**IX**	crumbly marl foundations exposed	infill with Composite Type VIII/IX	team
1998	CD 7	tourist connector walkway	**na**	discontinuity between Bridge and Ramp II FM	viewing platform added connector piece of wood, sympathetic forms and details	ER, TB
1992	D6/7	Tourist Bridge	**na**	tourists walking over Ramp IIFM	path diverted with bridge	FH
2003	FG 6	new roof	**na**	fragile G6 megaron area	built tensile roof, 5-sided	B. Rimner
1999	F5	lookout platform on covered pinnacle	**na**	not possible to see the late II megarons as a whole	bring visitors up to a high point for viewing	SD
2004	IK 5/6	new wooden tourist steps/path	**na**	older stone steps were maintainance/ hazard problem	new steps/path	MF
1996	na	conservation guidelines by E. Riorden	**na**	work hindered by no handbook with clear procedural guidelines	written by E. Riorden, translated into Turkish by Cem Aslan	ER

Tab. 2
Continuation.

1998	na	new info tables	**na**	older tables were completely faded-no UV resistance, collected dirt	newly designed UV and vandal-resistant tables , base unobtrusive on archaeological material	ER with Daimler staff
1996	na	report from Nicholas Stanley Price	**na**	consensus from experts needed NSP visited and produced report	outstanding recommendations	NSP
2005	na	routine maintainance	**na**			RA
2004	na	routine maintainance and tree planting	**na**	general maintainance issues	case-by-case routine remedies (plantings)	
2000	na	tree planting	**na**	treat site with certain desirable trees	Abies equi troiani,Quercus Troiana	
1995	na	Water and power lines	**na**	work in center of mound hindered by no infrastructure	water and power trenches dug under archaeological supervision, hook-ups provided	ER
1992	PQ 4/5	created site Bauhof	**na**	facility to expedite site conservation lacking	built, including lime pit and equipment storage	FH
2001	yz 7-9	tourist path in SW extramural area	**na**	tourist not able to see VII houses	path extended	

Tab. 2
Continuation.

Year	Areal	Feature	Period	Problem	Remedy	Designer
1998	BC 5/6	Gate II FL	II	**collapsed stones and illegibility**	consolidated with small stones and top treatment	SD
2000	B5	Gate II FL	II	**collapsed stones and illegibility**	consolidated with small stones and top treatment	SD
1999	B5	Gate II FL and postern II FK	II	**collapsed stones and illegibility**	consolidated with small stones and top treatment	SD
1994	D3/4	Terrace wall M in Schliemann ditch north	I, II	**threatened collapse**	battered retaining wall built	MY
1992	D4	Walls Ig and Ik	I	**?**	restored	MY
1992	D5	Citadel wall I	I	**?**	restored	MY
1993	D5	Megaron IIA	II	**danger of collapse where cut by Schliemann Graben**	modern mudbrick support wall built below	FH
1994	FG9	Citadel Wall VI	VI	**fallen stones, illegible**	replaced with Composite Type VI stones	FH

Tab. 3
Work done by problem encountered.

1995	G8/9	Houses 701 and 703	VI, VII	**collapsed sections**	house walls defining VI/VII street repaired	AD
1993	IK3	stair at Northeast Bastion	VIII	**collapsed and eroded**	rebuilt/consolidated	FH, SD
1993	K6	Gate VI S	VII	**danger of collapse**	infill consolidation	FH
1996	A6/7	House 791	VIIb1	**erosion and incomplete excavation**	cleaning, excavating, documentation and consolidation	SD
1996	A7, B8	Citadel Wall VI	VI	**eroded stones, reduced legibility**	replaced with Composite Type VI stones	MY?, SD
1997	A-C 6-8	Citadel wall VI	VI	**eroded and illegible**	top treatment with Composite Type VI stones	SD
1995	B6	Megaron VIA	VI	**danger of erosion of east wall**	wall becomes self-supporting, new work tinted darker to be less obtrusive hillside below regraded and prepared for plant growth	ER, AD
1998	BC8	Citadel wall VI	VI	**eroded and illegible**	top treatment with Composite Type VI stones	SD
1998	B-D 7/8	House VIM- SE corner	VI	**erosion and spalling**	infill with Composite Type VI stones	SD
1999	B-D 7/8	House VIM- SW wall	VI	**erosion and spalling**	infill with Composite Type VI stones	SD
1995	CD3	House 102	I	**erosion and illegibility**	reading of building over protective fill, drainage	MY?, SD
1992	C6/7	Ramp at Gate IIFM	II	**erosion from tourists**	infill with Composite Type II stones, eastern tower restored	FH
1991	D6	Bastion IIdb, citadel wall phase 1	II	**erosion**	rebuilt and consolidated	MY
1999	D-F 3/4	Megarons IIB and IIH up to W wall of IIR	II	**eroded and illegible**	top treatment	SD
2000	D-F 3/4	Megarons IIB and IIH up to W wall of IIR	II	**eroded and illegible**	top treatment	SD
1997	EF 5/6	Propylon IIC	II	**erosion and illegibility**	top treatment, infill for missing ante block	ER
1993	EF 9/10	Odeion cavea	IX	**eroded and collapsing, illegible**	sub-seats and analemma consolidated, mistaken restorations removed, made usable for concerts, etc.	FH
2000	FG6	Gate II FO and bastioned wall to E	II	**erosion and weathering**	stabilized and legibility improved with specially prepared mudbricks	
1987	F5/6	Tower Ir	I	**erosion**	rebuilt and consolidated	MY
1999	F6	Gate II FO	II	**erosion and weathering**	stabilized	SD
2001	G6	Citadel Wall II	II	**erosion and weathering, accommodation of new roof foundations**	stabilized and legibility improved with specially prepared mudbricks	

Tab. 3
Continuation.

1997	IK 3/4	postern gate Vig	VI	**erosion of side walls**	side walls consolidated to display and secure the cut stone doorway	SD
1998	K3	Northeast Bastion VI	VI	**eroded and illegible**	top treatment with Composite Type VI stones	SD
1995	K5/6	Citadel Wall VI	VI	**erosion/spalling of individual blocks**	infilled	MY?, SD
2002	t14/15	fish tanks	VIII, IX	**erosion caused by tourists**	tanks consolidated and wooden path added	
2001	y8	VI walls	VI	**susceptible to erosion/collapse**	consolidation	
2001	zA 7/8	houses of VIIa	VII	**susceptible to erosion/collapse**	consolidation	
1992	HI8	Bouleuterion	IX	**crumbly marl foundations exposed**	infilled with Composite Type VIII stones	FH
1997	H8	Bouleuterion	IX	**crumbly marl foundations exposed**	infill with Composite Type VIII/IX	team
1992	K3	Bastion VI NE, Athena temenos foundation wall IX N	VI,VIII	**crumbly marl foundations exposed**	infilled with Composite Type VIII/IX stones	FH
1995	K6	foundations of Athena Temple precinct	VIII	**crumbly marl foundations exposed**	infill with Composite Type VIII/IX	AD
2001	A6/7	Megaron VIA	VI	**illegibility**	top treatment for legibility	
2000	AB 7/8	Citadel wall VI	VI	**legibility from tourist path**	top treatment and new wooden path for visitors	
1994	B7	House VII-upsilon	VII	**illegible and eroded**	consolidated	FH
1995	CD 5/6	Gate II FM	II	**illegibility**	scientific restoration of foundations, window to older II wall below	ER
1994	C7	Well Be	VIII	**directly in new tourist path at Ramp IIFM**	built up as section	MK
1997	C-E 6/7	Series of citadel walls, II-III	II,III	**old restoration looked jarring, more of wall in D7 exposed**	removed old restoration at bastion db, improved legibility of wall between IIFM and II db, consolidation of section of late II wall in D7	SD
1994	D9	Hellenistic wall	VIII	**hole made Schliemann**	infill	FH
1994	D9	Odeion cavea	IX	**upper western part robbed out since Mehmet I (?) or before**	original profile recreated with earthfill	FH
1997	D-F 4/5	Megaron IIA	II	**lack of legibility**	door crosswall built up with fake mudbricks, space of forecourt indicated with uniform gravel surface	ER
1998	EF 5/6	Propylon IIC enclosure walls	II	**illegibility**	top treatment	ER

Tab. 3 Continuation.

1998	EF 5/6	top of tower Ir and wall to east	I	**illegibility**	top treatment	ER
1993	EF 9	Citadel Wall VI	VI	**illegible and eroded**	top treated with stone and slurry coat, increased legibility	FH
2000	E5	Megaron IIA	II	**presentation still too unimpressive**	added more material (temporary)	
2004	FG6	G6 Megaron	II	**protection and legibility**	display design	MF
1999	F5	lookout platform on covered pinnacle	na	**not possible to see the late II megarons as a whole**	bring visitors up to a high point for viewing	SD
1995	G9	Tower VIi	VI	**illegible and eroded**	infill/top consolidation with Composite Type VI blocks	AD
1994	K4/5	Citadel Wall VI	VI	**section entirely removed by Schliemann**	infill wall built, face not flush with VI face, but inset	FH
1996	K5/6	Gate VI S	VI	**doorway not legible, old restoration not accurate**	old restoration removed and replaced with more scientific work	SD
1993	K5/6	Gate VI S doorway	VI	**no longer visible**	attempt at reconstruction	FH
1996	offsite	mock-up of megaron IIA ante	II	**presentation of fragile mudbrick walls**	cementitious imitation of brick and wood parts, laid up according to Doerpfeld's dwgs.	ER
2002	yz 7/8	courtyard house, street to Gate VI U	VII	**presentation still too unimpressive**	added a few more courses of masonry	
1998	A7	gate VIU	VI	**spalled stones**	minor repairs	team
1999	A8/9	Lower Sanctuary of VIII	VIII	**altars and temenos undermined**	filled with excavated (ie sifted) soil	
1996	A7	Gate VI U	VI, VII VII	**infill wall undermined and in danger of collapse**	support wall added	SD
1999	EF 10	Odeion stage building colonnade	IX	**foundations undermined**	filled with excavated (ie sifted) soil	
1996	E9	House walls	VIIb2/b1	**top-heavy walls undermined**	provisional retaining wall placed next to walls	SD
1998	F8	Stoa IXB	IX	**erosion undermining foundations**	filled gaps with mudbrick	SD
1996	K4	Troia VII retaining wall	VII	**undermined VII wall in danger of collapse**	limestone support wall added below	SD
2000	z6/7	Temple A and North Building	VIII	**walls undermined**	filled with excavated (ie sifted) soil	
1993	BC 6/7	Ramp at Gate IIFM	II	**water collecting at bottom, eroded tourist path**	drainage added and wood steps to get tourist path away from hillside in B6	FH
1996	BC6/7	Ramp at Gate IIFM	II	**masonry wall supporting the new tourist path confusing situation**	covered with a cantilevered platform for pausing, viewing the Ramp	ER, CJ

Tab. 3
Continuation.

1998	CD 7	tourist connector walkway	na	**discontinuity between Bridge and Ramp II FM viewing platform**	added connector piece of wood, sympathetic forms and details	ER, TB
1992	D6/7	Tourist Bridge	na	**tourists walking over Ramp IIFM**	path diverted with bridge	FH
2002	F6	Gate II FO	II	**erosion caused by tourists**	wooden path added	
2004	IK 5/6	new wooden tourist steps/path	na	**older stone steps were maintainance/ hazard problem**	new steps/path	MF
1999	t14/15	cave	VI, X	**water stagnant and cave and Byzantine well potentially hazardous**	increased water flow and added grills and grating to cave mouth and well	
2001	yz 7-9	tourist path in SW extramural area	na	**tourist not able to see VII houses**	path extended	
2000	t14/15	cave	VI, X	**research finished, fear of vandalism, cave drying up**	cave mouth partially filled with masonry behind 1999 grill	
1998	EF 10	Odeion	IX	**opus mixtum stage front edge exposed**	opus mixtum wall treated with consolidant, new wood edge to the stage, between stage and orchestra	ER
1996	EF10	Odeion stage building	IX	**skene and opus mixtum stage front edge exposed**	consolidation of skene foundations and cantilevered protective roof over front edge	ER
2003	FG 6	new roof	na	**fragile G6 megaron area**	built tensile roof, 5-sided	B. Rimner
1998	G6	G6 Megaron	II	**newly excavated mudbrick**	stabilization	SD
1992	IK 6/7	Citadel Wall VI	VI	**individual blocks with spalled faces (salt air problem?)**	infilled with Composite Type VI stones	FH
1995	K6/7	drainage of East Gate/tourist path	VI	**spring flooding with no outlet for water**	subsurface drainage to dry well created in a Blegen sondage	ER
1996	na	conservation guidelines by E. Riorden	na	**work hindered by no handbook with clear procedural guidelines**	written by E. Riorden, translated into Turkish by Cem Aslan	ER
1998	na	new info tables	na	**older tables were completely faded-no UV resistance, collected dirt**	newly designed UV and vandal resistant tables base unobtrusive on archaeological material	ER with Daimler staff
1996	na	report from Nicholas Stanley Price	na	**consensus from experts needed**	NSP visited and produced report outstanding recommendations	NSP
2005	na	routine maintainance	na			RA

Tab. 3
Continuation.

2004	na	routine maintainance and tree planting	na	**general maintainance issues**	case-by-case routine remedies (plantings)	
2000	na	tree planting	na	**treat site with certain desirable trees**	Abies equi troiani,Quercus Troiana	
1995	na	Water and power lines	na	**work in center of mound hindered by no infrastructure**	water and power trenches dug under archaeological supervision, hook-ups provided	ER
1992	PQ 4/5	created site Bauhof	na	**facility to expedite site conservation lacking**	built, including lime pit and equipment storage	FH

Tab. 3
Continuation.

Year	Areal	Feature	Period	Problem	Remedy	designer
2000	**B5**	Gate II FL	II	collapsed stones and illegibility	consolidated with small stones and top treatment	SD
1999	**B5**	Gate II FL and postern II FK	II	collapsed stones and illegibility	consolidated with small stones and top treatment	SD
1992	**D4**	Walls Ig and Ik	I	?	restored	MY
1992	**D5**	Citadel wall I	I	?	restored	MY
1993	**D5**	Megaron IIA	II	danger of collapse where cut by Schliemann Graben	modern mudbrick support wall built below	FH
1994	**FG9**	Citadel Wall VI	VI	fallen stones, illegible	replaced with Composite Type VI stones	FH
1993	**IK3**	stair at Northeast Bastion	VIII	collapsed and eroded	rebuilt/consolidated	FH, SD
1993	**K6**	Gate VI S	VII	danger of collapse	infill consolidation	FH
1996	**A7, B8**	Citadel Wall VI	VI	eroded stones, reduced legibility	replaced with Composite Type VI stones	MY?, SD
1995	**B6**	Megaron VIA	VI	danger of erosion of east wall	wall becomes self-supporting, new work tinted darker to be less obtrusive hillside below regraded and prepared for plant growth	ER, AD
1998	**BC8**	Citadel wall VI	VI	eroded and illegible	top treatment with Composite Type VI stones	SD
1995	**CD3**	House 102	I	erosion and illegibility	reading of building over protective fill, drainage	MY?, SD
1991	**D6**	Bastion IIdb, citadel wall phase 1	II	erosion	rebuilt and consolidated	MY
2000	**FG6**	Gate II FO and bastioned wall to E	II	erosion and weathering	stabilized and legibility improved with specially prepared mudbricks	
1999	**F6**	Gate II FO	II	erosion and weathering	stabilized	SD
2001	**G6**	Citadel Wall II	II	erosion and weathering, accommodation of new roof foundations	stabilized and legibility improved with specially prepared mudbricks	
1998	**K3**	Northeast Bastion VI	VI	eroded and illegible	top treatment with Composite Type VI stones	SD

Tab. 4
Work done by area.

2002	**t14/15**	fish tanks	VIII, IX	erosion caused by tourists	tanks consolidated and wooden path added	
2001	**y8**	VI walls	VI	susceptible to erosion/collapse	consolidation	
1992	**HI8**	Bouleuterion	IX	crumbly marl foundations exposed	infilled with Composite Type VIII stones	FH
1997	**H8**	Bouleuterion	IX	crumbly marl foundations exposed	infill with Composite Type VIII/IX	team
1992	**K3**	Bastion VI NE, Athena temenos foundation wall IX N	VI,VIII	crumbly marl foundations exposed	infilled with Composite Type VIII/IX stones	FH
1995	**K6**	foundations of Athena Temple precinct	VIII	crumbly marl foundations exposed	infill with Composite Type VIII/IX	AD
1994	**B7**	House VII-upsilon	VII	illegible and eroded	consolidated	FH
1994	**C7**	Well Be	VIII	directly in new tourist path at Ramp IIFM	built up as section	MK
1994	**D9**	Hellenistic wall	VIII	hole made Schliemann	infill	FH
1994	**D9**	Odeion cavea	IX	upper western part robbed out since Mehmet I (?) or before	original profile recreated with earthfill	FH
1993	**EF 9**	Citadel Wall VI	VI	illegible and eroded	top treated with stone and slurry coat, increased legibility	FH
2000	**E5**	Megaron IIA	II	presentation still too unimpressive	added more material (temporary)	
2004	**FG6**	G6 Megaron	II	protection and legibility	display design	MF
1999	**F5**	lookout platform on covered pinnacle	na	not possible to see the late II megarons as a whole	bring visitors up to a high point for viewing	SD
1995	**G9**	Tower VIi	VI	illegible and eroded	infill/top consolidation with Composite Type VI blocks	AD
1996	**offsite**	mock-up of megaron IIA ante	II	presentation of fragile mudbrick walls	cementitious imitation of brick and wood parts, laid up according to Doerpfeld's dwgs.	ER
1998	**A7**	gate VIU	VI	spalled stones	minor repairs	team
1996	**A7**	Gate VI U	VI, VII VII	infill wall undermined and in danger of collapse	support wall added	SD
1999	**EF 10**	Odeion stage building colonnade	IX	foundations undermined	filled with excavated (ie sifted) soil	
1996	**E9**	House walls	VIIb2/b 1	top-heavy walls undermined	provisional retaining wall placed next to walls	SD
1998	**F8**	Stoa IXB	IX	erosion undermining foundations	filled gaps with mudbrick	SD

Tab. 4 Continuation.

1996	**K4**	Troia VII retaining wall	VII	undermined VII wall in danger of collapse	limestone support wall added below	SD
1998	**CD 7**	tourist connector walkway	na	discontinuity between Bridge and Ramp II FM viewing platform	added connector piece of wood, sympathetic forms and details	ER, TB
2002	**F6**	Gate II FO	II	erosion caused by tourists	wooden path added	
1999	**t14/15**	cave	VI, X	water stagnant and cave and Byzantine well potentially hazardous	increased water flow and added grills and grating to cave mouth and well	
2000	**t14/15**	cave	VI, X	research finished, fear of vandalism, cave drying up	cave mouth partially filled with masonry behind 1999 grill	
1998	**EF 10**	Odeion	IX	opus mixtum stage front edge exposed	opus mixtum wall treated with consolidant, new wood edge to the stage, between stage and orchestra	ER
1996	**EF10**	Odeion stage building	IX	skene and opus mixtum stage front edge exposed	consolidation of skene foundations and cantilevered protective roof over front edge	ER
2003	**FG 6**	new roof	na	fragile G6 megaron area	built tensile roof, 5-sided	B. Rimner
1998	**G6**	G6 Megaron	II	newly excavated mudbrick	stabilization	SD
1996	**na**	conservation guidelines by E. Riorden	na	work hindered by no handbook with clear procedural guidelines	written by E. Riorden, translated into Turkish by Cem Aslan	ER
1998	**na**	new info tables	na	older tables were completely faded-no UV resistance, collected dirt	newly designed UV and vandal resistant tables base unobtrusive on archaeological material	ER with Daimler staff
1996	**na**	report from Nicholas Stanley Price	na	consensus from experts needed	NSP visited and produced report outstanding recommendations	NSP
2005	**na**	routine maintainance	na			RA
2004	**na**	routine maintainance and tree planting	na	general maintainance issues	case-by-case routine remedies (plantings)	
2000	**na**	tree planting	na	treat site with certain desirable trees	Abies equi troiani,Quercus Troiana	
1995	**na**	Water and power lines	na	work in center of mound hindered by no infrastructure	water and power trenches dug under archaeological supervision, hook-ups provided	ER
1994	**D3/4**	Terrace wall M in Schliemann ditch north	I, II	threatened collapse	battered retaining wall built	MY
1999	**D-F 3/4**	Megarons IIB and IIH up to W wall of IIR	II	eroded and illegible	top treatment	SD
2000	**D-F 3/4**	Megarons IIB and IIH up to W wall of IIR	II	eroded and illegible	top treatment	SD

Tab. 4
Continuation.

1997	**IK 3/4**	postern gate Vig	VI	erosion of side walls	side walls consolidated to display and secure the cut stone doorway	SD
1997	**D-F 4/5**	Megaron IIA	II	lack of legibility	door crosswall built up with fake mudbricks, space of forecourt indicated with uniform gravel surface	ER
1994	**K4/5**	Citadel Wall VI	VI	section entirely removed by Schliemann	infill wall built, face not flush with VI face, but inset	FH
1992	**PQ 4/5**	created site Bauhof	na	facility to expedite site conservation lacking	built, including lime pit and equipment storage	FH
1998	**BC 5/6**	Gate II FL	II	collapsed stones and illegibility	consolidated with small stones and top treatment	SD
1997	**EF 5/6**	Propylon IIC	II	erosion and illegibility	top treatment, infill for missing ante block	ER
1987	**F5/6**	Tower Ir	I	erosion	rebuilt and consolidated	MY
1995	**K5/6**	Citadel Wall VI	VI	erosion/spalling of individual blocks	infilled	MY?, SD
1995	**CD 5/6**	Gate II FM	II	illegibility	scientific restoration of foundations, window to older II wall below	ER
1998	**EF 5/6**	Propylon IIC enclosure walls	II	illegibility	top treatment	ER
1998	**EF 5/6**	top of tower Ir and wall to east	I	illegibility	top treatment	ER
1996	**K5/6**	Gate VI S	VI	doorway not legible, old restoration not accurate	old restoration removed and replaced with more scientific work	SD
1993	**K5/6**	Gate VI S doorway	VI	no longer visible	attempt at reconstruction	FH
2004	**IK 5/6**	new wooden tourist steps/path	na	older stone steps were maintainance/ hazard problem	new steps/path	MF
1996	**A6/7**	House 791	VIIb1	erosion and incomplete excavation	cleaning, excavating, documentation and consolidation	SD
1992	**C6/7**	Ramp at Gate IIFM	II	erosion from tourists	infill with Composite Type II stones, eastern tower restored	FH
2001	**A6/7**	Megaron VIA	VI	illegibility	top treatment for legibility	
1997	**C-E 6/7**	Series of citadel walls, II-III	II,III	old restoration looked jarring, more of wall in D7 exposed	removed old restoration at bastion db, improved legibility of wall between IIFM and II db, consolidation of section of late II wall in D7	SD
2000	**z6/7**	Temple A and North Building	VIII	walls undermined	filled with excavated (ie sifted) soil	
1993	**BC 6/7**	Ramp at Gate IIFM	II	water collecting at bottom, eroded tourist path	drainage added and wood steps to get tourist path away from hillside in B6	FH
1996	**BC6/7**	Ramp at Gate IIFM	II	masonry wall supporting the new tourist path confusing situation	covered with a cantilevered platform for pausing, viewing the Ramp	ER, CJ

Tab. 4
Continuation.

1992	**D6/7**	Tourist Bridge	na	tourists walking over Ramp IIFM	path diverted with bridge	FH
1992	**IK 6/7**	Citadel Wall VI	VI	individual blocks with spalled faces (salt air problem?)	infilled with Composite Type VI stones	FH
1995	**K6/7**	drainage of East Gate/tourist path	VI	spring flooding with no outlet for water	subsurface drainage to dry well created in a Blegen sondage	ER
1997	**A-C 6-8**	Citadel wall VI	VI	eroded and illegible	top treatment with Composite Type VI stones	SD
1998	**B-D 7/8**	House VIM- SE corner	VI	erosion and spalling	infill with Composite Type VI stones	SD
1999	**B-D 7/8**	House VIM- SW wall	VI	erosion and spalling	infill with Composite Type VI stones	SD
2001	**zA 7/8**	houses of VIIa	VII	susceptible to erosion/collapse	consolidation	
2000	**AB 7/8**	Citadel wall VI	VI	legibility from tourist path	top treatment and new wooden path for visitors	
2002	**yz7/8**	courtyard house, street to Gate VI U	VII	presentation still too unimpressive	added a few more courses of masonry	
2001	**yz7-9**	tourist path in SW extramural area	na	tourist not able to see VII houses	path extended	
1995	**G8/9**	Houses 701 and 703	VI, VII	collapsed sections	house walls defining VI/VII street repaired	AD
1999	**A8/9**	Lower Sanctuary of VIII	VIII	altars and temenos undermined	filled with excavated (ie sifted) soil	
1993	**EF 9/10**	Odeion cavea	IX	eroded and collapsing, illegible	sub-seats and analemma consolidated, mistaken restorations removed, made usable for concerts, etc.	FH

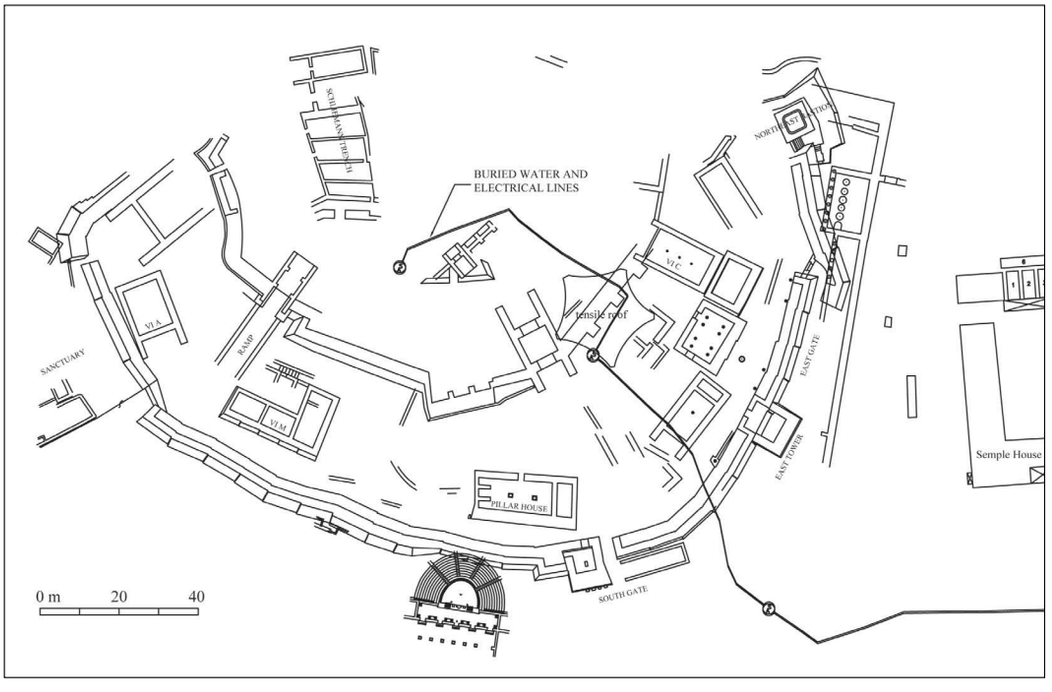
Tab. 4
Continuation.

Bibliography

Bachmann 2008	M. Bachmann, Auf den Spuren osmanischer Bautradition. Dörpfelds Wirken als Architekt in Istanbul und Bergama In: Χ. Παπαδάτου-Γιαννοπούλου (Hrsg.), Διεθνές Συνέδριο Αφιερωμένο στον Wilhelm Dörpfeld υπο την αιγιδα του υπουργειου πολιτισμου, Λευκάδα 2006. Πρακτικα συνεδριου (Patras 2008) 342–362.
Blegen 1932	C. W. Blegen, Excavations at Troy 1932. American Journal of Archaeology 36, 1932, 431–451.
Blegen 1934a	C. W. Blegen, Excavations at Troy 1933. American Journal of Archaeology 38, 1934, 223–248.
Blegen 1935a	C. W. Blegen, Excavations at Troy 1934. American Journal of Archaeology 39, 1935, 6–34.
Blegen 1935b	C. W. Blegen, Excavations at Troy 1935. American Journal of Archaeology 39, 1935, 550–587.
Blegen 1937b	C. W. Blegen, Excavations at Troy 1937. American Journal of Archaeology 41, 1937, 553–597.
Blegen 1939	C. W. Blegen, Excavations at Troy 1938. American Journal of Archaeology 43, 1939, 204–228.
Blegen et al. 1953	C. W. Blegen – J. L. Caskey – M. Rawson, Troy III. The Sixth Settlement (Princeton 1953).
Buccellati 2006	G. Buccellati, Conservation qua Archaeology at Tell Mozan/Urkesh. In: N. Agnew – J. Bridgland (eds.), Of the Past, for the Future. Integrating Archaeology and Conservation. Proceedings of the Conservation Theme at the 5 th World Archaeological Congress, Washington D.C., 22–26 June 2003 (Los Angeles 2006) 73–81.
Council of Europe 1997	Charter on the Use of Ancient Places of Performance Adopted at the International Colloquy Held in Verona, August 1997 http://www.coe.int/t/dg4/cultureheritage/heritage/Resources/Texts-Heritage_en.asp [17.01.2013].
Fagan 2006	B. Fagan, Looking Forward, Not Backward. Archaeology and the Future of the Past. In: N. Agnew – J. Bridgland (eds.), Of the Past, for the Future. Integrating Archaeology and Conservation. Proceedings of the Conservation Theme at the 5 th World Archaeological Congress, Washington D.C., 22–26 June 2003 (Los Angeles 2006) 7–12.
Filgis – Mayer 1992	M. F. Filgis – W. Mayer, Troia. Sicherung und Konservierung der prähistorischen und historischen Bausubstanz. Studia Troica 2, 1992, 83–103
Hueber 1994	F. Hueber, Konzept zur Konservierung und Präsentation des archäologischen Denkmals Troia. Studia Troica 4, 1994, 121–126.
Hueber – Riorden 1994	F. Hueber – E. Riorden, Plan von Troia 1994 and Troia. Freiliegende Ruinen und Besucherwege 1994. Studia Troica 4, 1994, 115–120 [mit zwei Planbeilagen].

ICOMOS 1964	International Councils on Monuments and Sites (ICOMOS), International Charter for the Conservation and Restoration of Monuments and Sites (The Venice Charter) (Venedig 1964) http://www.icomos.org/en/charters-and-texts [17.01.2013].
Korfmann 1991	M. Korfmann, Troia. Reinigungs- und Dokumentationsarbeiten 1987, Ausgrabungen 1988 und 1989. Studia Troica 1, 1991, 1–34.
Korfmann 1992	M. Korfmann, Troia. Ausgrabungen 1990 und 1991. Studia Troica 2, 1992, 1–41.
Korfmann 2004	M. O. Korfmann, Die Arbeiten in Troia/Wilusa 2003 – Work at Troia/Wilusa in 2003. Studia Troica 14, 2004, 3–31.
Riorden 1996	E. Riorden, Three-Dimensional Computer Aided Drafting (CAD) in Anastylosis. A Case-Study at the Odeion. Studia Troica 6, 1996, 103–110.
Riorden 2007	E. Riorden, The Odeion of Ilion. A Proposed Reconstruction and Some Implications. Studia Troica 17, 2007, 47–55.
Riorden 2009	E. Riorden, Troy: An Archaeological Site Management Masterplan. 2009. Technical report.

Appendices



App. 1
Plan of site utilities

TROY: SITE CONSERVATION METHODS

A) Typical Low-impact Lime Mortar Base

3 parts sand, 1 part Slaked Lime (lime putty)

B) Formulas for various types of "Mud Brick" used for site display and conservation

1) Special Cementitious Bricks[1]

3 measures each of the following 5 items, mixed with water:

- Sand (clean, graded 2-15 mm)
- Gravel, graded "small, red"
- Gravel, graded "large"
- Portland-type cement (from local production: Çanakkale Çimento)[2]
- Powder made from ground up, discarded (non-diagnostic)Trojan ceramic sherds[3]

2) High Heat Fired Bricks[4]

- Form mud bricks in traditional manner, except omit straw (causes explosions during firing)
- Deliberately "stress" wet bricks by hand to give uneven texture
- Fire dried bricks in a commercial tile kiln

C) 1998 Temporary treatment of front of Odeion stage

1) Cleaning

- Brush away earth, roots etc.
- Fine clean with vacuum cleaner

2) Consolidating

Set loose stones and repoint masonry joints with lime mortar (1:4 Slaked Lime/Sand with 10% Primal added)

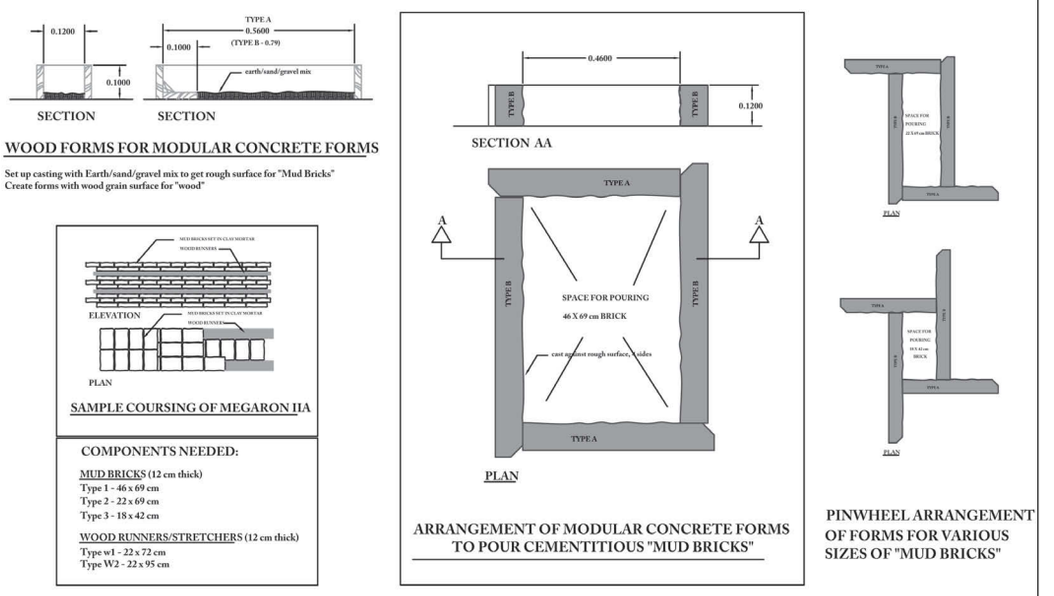
---

[1] Used for jambs of Megaron IIA; full size mock-up was built in *Bauhof*; construction details included in this appendix
[2] Vary amount of Portland-type cement according to batch size
[3] This process done with approval and support of the appropriate cultural authorities; also used in other applications on site for color effect
[4] Used for the reconstuctions under the new tensile roof in Areal G6

3) Chemical consolidant treatment
   - Step 1: apply Ethyl Silicate solventless consolidant (Wacker OH 100)
   - Step 2: after pause of 12 hours, brush on the consolidant continuously before it drys until the masonry is saturated and absorbs no more; avoid leaving wet consolidant on mortar surfaces as they can become too glossy

4) Ongoing treatment until permanent covering
   - Yearly: clean and repair with lime mortar as needed
   - Every 5 years: re-treatment with consolidant

App. 2
Continuation.



App. 3
Block inventory.

TROY ARCHITECTURAL BLOCK INVENTORY

PART 1: ALL BLOCKS (as of year 2000)

Block Type Abbreviations:

acrote=	acroterion
archit=	architrave
a + f=	combined architrave and frieze
base=	base
ba + f=	"broken" architrave and frieze
cap=	capital
cimaci=	cimacia
cbase=	column base
cdrum=	column drum
coffer=	coffer
col=	column (monolithic, usually fragmented/broken)
cornic=	cornice
c +p=	combined cornice and pediment
dec=	decorative piece
ebase=	engaged base
ecap=	engaged capital
ecoldr=	engaged column drum
frieze=	frieze
geison=	geison
jamb=	jamb
inscdr=	combination stele/column drum
inscri=	inscription
lintel=	lintel
mould=	moulding
pbalus=	balustrade post
pbase=	pilaster base
pcap=	pilaster capital
pedime=	pediment
pilast=	pilaster
rbalus=	balustrade rail (stretcher)
rcorni=	raking cornice
rc +bp=	raking cornice and "broken" pediment
revetm=	revetment
rework=	reworked block
roofti=	marble rooftile
rsima=	raking sima
runner=	horizontal wall block/moulding/etc
sill=	sill
socle=	socle
string=	stringcourse block
stylob=	stylobate
tseat=	theater seat
unknow=	unidentified type (usually too broken)
vousso=	voussoir
wall=	wall block

App. 4 (Part 1) architectural block inventory.

TROY: INVENTORIED ARCHITECTURAL BLOCKS
(as of year 2000)

INVNO= Inventory Number
(A=architectural, I=inscription, W=wood)
MAT= Material
mar= marble
cma= colored marble
gra= granite
lim= limestone
SFNO= Small Finds Number
Notes:
*1) block dimensions in **boldface** are complete; normal typeface for a dimension implies block was too fragmentary to determine original overall measurement*
2) Drawing No. reference beginning "GStaf" indicates documentation by F.W. Goethert and H. Schleif in Der Athena Temple von Ilion *(Berlin 1962)*

INVNO	TYPE	ORDER	BUILDG	MAT	WIDTH	SFNO	DWG NO
A0001	geison	corint	atheat	mar	2.35	Q60.55	944
A0002	geison	corint	atheat	mar	**2.33**	Q60.56	
A0003	col		atheat	mar	**0.49**	Q60.57	869
A0004	pbalus		atheat	mar	**0.45**	Q1.58	866
A0005	rcorni	ionic	atheat	mar	0.93	Q1.59	865
A0006	pbalus		atheat	mar	**0.63**	R1.60	863
A0007	cornic	ionic	atheat	mar	2.01	R59.61	
A0008	rbalus		atheat	mar	**0.86**	Q1.62	
A0009	cimaci		atheat	mar	**1.25**	Q1.63	
A0010	socle		atheat	mar	**1.03**	Q60.64	
A0011	unknow		atheat	mar	1.19	R59.65	
A0012	archit	corint	atheat	mar	1.34	Q1.66	
A0013	cornic	doric	atheat	mar	0.51	Q60.67	
A0014	unknow		atheat	mar	0.42	Q60.68	
A0015	socle		atheat	mar	**0.49**	Q60.69	
A0016	sill		atheat	mar	**1.58**	Q60.70	
A0017	unknow		atheat	mar	0.85	Q60.71	867
A0018	jamb		atheat	mar	**0.24**	Q60.72	
A0019	archit	corint	atheat	mar	1.85	Q60.73	868
A0020	archit		atheat	mar	1.31	Q60.74	
A0021	cornic	corint	atheat	mar	1.18	Q60.75	
A0022	rbalus		atheat	mar	0.97	Q59.76	
A0023	ecap	corint	atheat	mar	**0.74**	Q59.77	882
A0024	cornic		unknow	mar	0.00	K12.27A?	
A0025	col		atheat	mar	**0.49**	Q59.78	
A0026	rbalus		atheat	mar	0.54	Q59.79	

App. 4 (Part 1)
Continuation

A0027	col		atheat	mar	**0.49**	Q59.80	
A0028	col		atheat	mar	0.16	Q59.81	
A0029	cornic		atheat	mar	0.26	Q59.82	
A0030	cap		unknow	mar	0.00	M18.303	
A0031	cap	ionic	atheat	mar	0.15	R60.83	
A0032	cornic	ionic	atheat	mar	1.22	Q59.84	871
A0033	vousso		atheat	mar	0.25	Q59.85	
A0034	coffer		atheat	mar	0.31	P59.86	
A0035	col		atheat	mar	**0.45**	P59.87	
A0036	a + f		atheat	mar	0.33	P59.88	
A0037	unknow		atheat	mar	0.40	P59.89	
A0038	cbase		unknow	mar	0.00	M18.302	
A0039	revetm		unknow	mar	0.00	D10.60	
A0040	mould		unknow	mar	0.00	E4/5.267	
A0041	pcap	corint	unknow	mar	0.00	D9.618	
A0042	base		unknow	mar	0.00	A0.39	
A0043	cap	corint	unknow	mar	0.00	A0.40	
A0044	cap	corint	unknow	mar	0.00	A0.42	
A0045	base		unknow	mar	0.00	A0.43	
A0046	cap	ionic	unknow	mar	0.00	A0.44	
A0047	base		glassf	mar	0.00	H17.45.5	
A0048	base		glassf	mar	0.00	H17.24	
A0049	col		glassf	cma	0.00	H17.70	
A0050	cap	ionic	unknow	cma	0.00	A0.63	
A0051	cap	ionic	glassf	mar	0.00	H17.36.5	
A0052	cap	ionic	glassf	mar	0.00	H17.36.6	
A0053	cap	ionic	glassf	mar	0.00	H17.36.7	
A0054	cbase	ionic	glassf	mar	0.00	H17.43	
A0055	mould		glassf	mar	0.00	H17.67	
A0057	archit		unknow	mar	0.00	D9.571.2	
A0058	cbase		unknow	mar	0.00	D9.571.3	
A0059	dec		unknow	mar	0.00	D9.572	
A0060	cbase		unknow	mar	0.00	D9.613.3	
A0061	archit		unknow	mar	0.00	D9.613.4	
A0062	col		unknow	mar	0.00	D9.613.5	
A0063	unknow		unknow	mar	0.00	D9.613.6	
A0064	cbase		unknow	mar	0.00	D9.647	
A0065	cornic	doric	unknow	mar	0.00	D9.766.3	
A0066	revetm		unknow	mar	0.00	D9.814	
A0067	unknow		unknow	mar	0.00	D5.298	
A0069	cbase		odeion	mar	**0.58**	E10.1A	515
A0070	cbase		odeion	mar	**0.59**	E10.2A	
A0071	col		odeion	cma	**0.46**	E10.3A	514
A0072	cdrum		odeion	cma	**0.43**	E10.4A	600

App. 4 (Part 1)
Continuation

A0073	cdrum		odeion	cma	0.39	E10.5A	757
A0074	a + f		odeion	mar	2.79	E10.6A	45
A0075	a + f		odeion	mar	**0.73**	E10.7A	502
A0076	cornic		odeion	mar	**1.20**	E10.8A	507
A0077	a + f		odeion	mar	0.77	E10.9A	509
A0078	c + p		odeion	mar	0.80	E10.10A	510
A0079	col		odeion	cma	**0.39**	E10.11A	758
A0080	col		odeion	cma	**0.40**	E10.12A	750
A0081	col		odeion	cma	**0.41**	E10.13A	805
A0082	col		odeion	cma	**0.41**	E10.14A	804
A0083	col		odeion	cma	**0.36**	E10.15A	
A0084	col		odeion	cma	**0.37**	E10.16A	753
A0086	col		odeion	cma	**0.35**	E10.18A	751
A0087	col		odeion	cma	**0.44**	E10.19A	605
A0088	col		odeion	cma	**0.36**	E10.20A	752
A0090	col		odeion	cma	**0.37**	E10.22A	879
A0091	col		odeion	cma	**0.37**	E10.23A	803
A0092	mould		unknow	mar	0.23	D9.1106	
A0093	mould		atheat	cma	0.19	P1.1.1	
A0094	string		bouleu	mar	**0.58**	I9.1.2	
A0095	jamb		bouleu	mar	**0.77**	I9.1.3	616
A0096	cornic	doric	bouleu	mar	**1.20**	I9.1.6	251
A0097	cornic	doric	bouleu	mar	**1.17**	I9.1.7	253
A0098	cdrum	doric	bouleu	mar	**0.60**	I9.1.8	
A0099	cornic	doric	bouleu	mar	**0.83**	I9.1.9	255
A0100	cornic		bouleu	lim	**1.17**	I9.2.2	601
A0101	cornic		bouleu	lim	**1.15**	I9.2.3	
A0102	cornic		bouleu	lim	1.20	I9.2.4	1002
A0103	cornic		bouleu	lim	1.06	I9.2.5	
A0104	cornic		bouleu	lim	**1.14**	I9.2.6	
A0105	frieze	doric	bouleu	lim	1.17	I9.2.7	602
A0106	cornic		bouleu	lim	0.64	I9.2.8	615
A0107	archit	doric	bouleu	lim	0.90	I9.2.9	778
A0108	jamb		bouleu	mar	**0.70**	I9.2.10	613
A0109	wall		bouleu	lim	**0.77**	I9.2.11	858
A0110	wall		bouleu	lim	0.86	I9.2.12	
A0111	wall		bouleu	lim	**0.97**	I9.2.14	860
A0112	sill		bouleu	mar	0.84	I9.3.2	610
A0113	cornic		bouleu	lim	1.10	I9.1.15	
A0114	sill		bouleu	mar	1.04	I9.4.2	610
A0115	frieze	doric	bouleu	lim	1.00	I9.5.2	614
A0116	archit	doric	bouleu	lim	0.26	I9.5.3	856
A0117	cornic		bouleu	lim	0.88	I9.5.4	612
A0118	frieze	doric	bouleu	lim	1.00	I9.5.5	611

App. 4 (Part 1)
Continuation

A0119	string	doric	bouleu	mar	**0.84**	I9.1.17	603
A0120	cdrum	doric	bouleu	mar	**0.58**	I9.1.18	
A0121	cornic	doric	bouleu	mar	**1.15**	I9.1.19	262
A0122	cornic	doric	bouleu	mar	**0.73**	I9.1.20	258
A0123	cornic	doric	bouleu	mar	**1.19**	I9.1.21	254
A0124	cornic	doric	bouleu	mar	**1.10**	I9.1.22	263
A0125	wall		bouleu	lim	**0.72**	I9.5.7	854
A0126	wall		bouleu	lim	**0.87**	I9.5.8	
A0127	frieze	doric	bouleu	lim	0.66	I9.5.9	
A0128	frieze	doric	bouleu	lim	0.48	I9.5.12	
A0129	cap	doric	bouleu	lim	0.49	I9.1.23	
A0130	frieze	doric	bouleu	lim	0.81	I9.5.13	855
A0131	cdrum	doric	bouleu	mar	**0.64**	I9.5.14	
A0132	cdrum	doric	bouleu	mar	**0.60**	I9.1.25	802
A0133	cdrum	doric	bouleu	mar	**0.66**	I9.1.26	
A0134	cornic		bouleu	lim	**1.15**	I9.1.27	150
A0135	cornic		bouleu	lim	0.60	I9.1.28	
A0136	pedime		bouleu	lim	**1.15**	I9.1.29	
A0137	wall		bouleu	lim	**1.22**	I8/9.52.2	852
A0138	wall		bouleu	lim	**1.09**	I8/9.52.3	850
A0139	frieze	doric	bouleu	lim	1.25	I8/9.58.2	800
A0140	cornic		bouleu	lim	**1.12**	I8/9.58.3	801
A0141	wall		bouleu	lim	**0.70**	I8/9.58.4	
A0142	cornic		bouleu	lim	**1.15**	I8/9.62.4	
A0143	archit	doric	bouleu	mar	1.02	I8/9.65.4	607
A0144	cap	doric	bouleu	mar	0.52	I8/9.65.5	853
A0145	archit	doric	bouleu	mar	1.24	I8/9.65.5	604
A0146	cornic	doric	bouleu	mar	0.77	I8/9.68.3	608
A0147	frieze	doric	bouleu	lim	0.46	I9.1.30	862
A0148	frieze	doric	bouleu	lim	0.55	I9.1.31	
A0149	cornic	doric	bouleu	mar	1.07	I9.1.32	
A0150	col	doric	bouleu	mar	0.60	I9.56.2	
A0151	mould		bouleu	mar	0.28	I9.56.3	
A0152	archit	doric	atheat	cma	0.05	R60.112.2	779
A0153	archit	doric	atheat	mar	0.11	R60.109.3	
A0154	cornic	doric	bouleu	lim	**0.58**	I9.2.15	851
A0155	cornic	doric	bouleu	lim	**1.85**	I9.1.34	861
A0156	col	doric	atheat	mar	0.50	P1.5.1	
A0157	col	doric	atheat	mar	0.46	P1.5.3	
A0158	col	doric	atheat	mar	0.48	P1.5.5	
A0159	col	doric	atheat	mar	0.42	P1.5.6	
A0160	dec		atheat	mar	0.00	P1.12.2	
A0161	dec		atheat	mar	0.00	P1.19.3	
A0162	rbalus		atheat	mar	**1.07**	R1.4.6	

App. 4 (Part 1)
Continuation

A0163	rbalus		atheat	mar	0.51	R1.5.2	
A0164	rbalus		atheat	mar	**0.90**	R1.7.2	
A0165	rbalus		atheat	mar	0.00	R1.7.3	
A0166	tseat		atheat	lim	**0.45**	R1.2.3	864
A0167	tseat		atheat	lim	0.00	R1.2.4	
A0168	tseat		atheat	lim	0.00	R1.4.7	
A0169	tseat		atheat	lim	0.00	R1.4.8	
A0170	tseat		atheat	lim	0.00	R1.19.3	
A0171	wall		nbldg	lim	0.48	z6.5.5	
A0172	wall		nbldg	lim	0.45	z6.5.6	
A0173	cimaci		gstand	lim	**0.77**	z6.6.3	
A0174	runner		nbldg	lim	**0.73**	z6.6.4	
A0175	wall		nbldg	lim	0.50	z6.6.5	
A0176	acrote		atempl	mar	0.22	z6.6.2	
A0177	cbase		glassf	mar	0.00	H17.1999	
A0179	cap	ionic	atheat	mar	0.15	R1.19.2	
A0180	cap		odeion	mar	0.43		781
A0181	cap	corint	odeion	mar	0.40	E10.122.4	
A0183	runner		nbldg	lim	**0.78**	z6.6.7	
A0184	frieze	doric	unknow	lim	1.65	z6.7.15	
A0185	unknow		nbldg	lim	1.20	z6.7.25	
A0186	wall		nbldg	lim	**0.92**	z6.16.6	
A0187	unknow		gstand	lim	**0.52**	z6.17.13	
A0188	cornic		nbldg	stc	0.13	z6.7.22	
A0200	unknow		athena	mar	0.67	A0.1031	
A0201	unknow		athena	mar	0.80	A0.1045	
A0202	unknow		athena	mar	0.68	A0.1046	
A0203	unknow		athena	mar	0.74	A0.1044	
A0204	unknow		athena	mar	0.77	A0.1053	
A0205	unknow		athena	mar	0.72	A0.1037	
A0206	unknow		athena	mar	0.68	A0.1036	
A0207	cdrum		athena	mar	**0.65**	A0.1035	
A0208	inscdr		athena	mar	**0.70**	A0.1048	
A0209	unknow		athena	mar	0.70	A0.1022	
A0210	wall		athena	mar	**0.80**	A0.1211	
A0211	unknow		athena	mar	0.94	A0.1213	
A0212	unknow		athena	mar	0.82	A0.1217	
A0213	unknow		athena	mar	0.75	A0.1024	
A0214	unknow		athena	mar	**0.70**	A0.1202	
A0215	unknow		athena	mar	0.53	A0.1025	
A0216	ecoldr	doric	athena	mar	0.86	A0.1203	
A0217	ecoldr	doric	athena	mar	0.72	A0.1204	
A0218	ecoldr	doric	athena	mar	0.63	A0.1199	
A0219	ecoldr	doric	athena	mar	0.38	A0.1098	

App. 4 (Part 1)
Continuation

A0220	unknow		athena	mar	0.69	A0.1050	
A0221	unknow		athena	mar	**0.66**	A0.1047	
A0222	pcap	doric	athena	mar	0.54	A0.1049	GStaf14g
A0223	unknow		athena	mar	**0.47**	A0.1042	
A0224	unknow		athena	mar	**0.48**	A0.1043	
A0225	unknow		athena	mar	0.51	A0.1019	
A0226	frieze	doric	athena	mar	0.74	A0.1013	
A0227	frieze		athena	mar	1.01	A0.1002	GStaf14a2
A0228	ecoldr	doric	athena	mar	**1.02**	A0.1021	GStaf17a
A0229	unknow		athena	mar	0.90	A0.1001	
A0230	cap	doric	athena	mar	**1.30**	A0.1032	
A0231	cap	doric	athena	mar	**1.30**	A0.1034	
A0232	cap	doric	athena	mar	**1.30**	A0.1026	
A0233	cap	doric	athena	mar	1.07	A0.1707	
A0234	rsima	doric	athena	mar	0.62	A0.1704	GStaf16a
A0235	frieze	doric	athena	mar	0.60	A0.1702	GStaf9c
A0236	frieze	doric	athena	mar	0.66	A0.1701	GStaf9b
A0237	unknow		athena	mar	0.80	A0.1010	
A0238	unknow		athena	mar	0.60	A0.1331	
A0239	unknow		athena	mar	1.10	A0.1800	
A0240	cdrum	doric	athena	mar	0.64	A0.1017	
A0241	unknow		athena	mar	1.18	A0.1009	
A0242	unknow		athena	mar	0.82	A0.1008	
A0243	stylob	doric	athena	mar	0.52	A0.1028	GStaf4c
A0244	archit	doric	athena	mar	1.16	A0.1029	GStaf6c
A0245	unknow		athena	mar	0.94	A0.1030	
A0246	unknow		athena	mar	1.20	A0.1016	
A0248	unknow		athena	mar	0.58	A0.1215	
A0249	archit		athena	mar	**2.15**	A0.1015	GStaf6d
A0250	coffer		athena	mar	**1.39**	A0.1012	GStaf10a
A0251	cdrum	doric	athena	mar	**1.12**	A0.1011	
A0252	unknow		athena	mar	**1.53**	A0.1007	f920722
A0253	coffer		athena	mar	**1.42**	A0.1314	GStaf11a
A0254	ecoldr	doric	athena	mar	**0.83**	A0.1313	GStaf18b
A0255	unknow		athena	mar	0.46	A0.1333	
A0256	unknow		athena	mar	0.46	A0.1696	
A0257	unknow		athena	mar	0.80	A0.1005	
A0258	unknow		athena	mar	**0.76**	A0.1697	
A0259	col		athena	mar	**0.50**	A0.1006	
A0260	unknow		athena	mar	**0.84**	A0.1003	
A0261	unknow		athena	mar	0.31	A0.1027	
A0262	unknow		athena	mar	0.77	A0.1033	
A0263	coffer		athena	mar	0.85	A0.1014	GStaf11e
A0264	coffer		athena	mar	**1.45**	A0.1094	GStaf11b

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A0265	coffer	athena	mar	0.71	A0.1705	
A0266	coffer	athena	mar	0.70	A0.1706	
A0267	wall	athena	mar	**1.35**	A0.1219	
A0268	geison	athena	mar	**1.60**	A0.1201	
A0269	wall	athena	mar	**1.32**	A0.1206	
A0270	unknow	athena	mar	0.91	A0.1209	
A0271	rework	athena	mar	**0.85**	A0.1051	530
A0272	rework	athena	mar	**0.85**	A0.1039	
A0273	rework	athena	mar	**0.85**	A0.1040	
A0274	rework	athena	mar	**0.85**	A0.1038	
A0275	unknow	athena	mar	0.91	A0.1208	
A0276	rework	athena	mar	**0.85**	A0.1023	530
A0277	rework	athena	mar	**0.85**	A0.1020	
A0278	geison	athena	mar	1.07	A0.1223	
A0279	stylob	athena	mar	**1.20**	A0.1300	
A0280	coffer	athena	mar	**1.44**	A0.1301	GStaf10b
A0281	unknow	athena	mar	0.83	A0.1303	
A0282	unknow	athena	mar	0.67	A0.1330	
A0283	coffer	athena	mar	**0.78**	A0.1302	GStaf10b
A0284	coffer	athena	mar	1.45	A0.1332	
A0285	unknow	athena	mar	1.10	A0.1304	
A0286	pcap	tempie	mar	**1.08**	A0.1403	
A0287	stlyob	tempie	mar	**1.20**	A0.1402	
A0288	pcap	tempie	mar	0.46	A0.1401	
A0289	coffer	athena	mar	0.44	A0.1406	
A0290	cap	athena	mar	0.85	A0.1404	
A0291	wall	athena	mar	**1.50**	A0.1221	
A0292	stylob	athena	mar	**1.40**	A0.1601	
A0293	coffer	athena	mar	1.51	A0.1600	
A0294	coffer	athena	mar	**1.44**	A0.1607	GStaf10b
A0295	coffer	athena	mar	0.60	A0.1608.1?	
A0296	coffer	athena	mar	0.73	A0.1608	157
A0297	cdrum	athena	mar	0.43	A0.1604	
A0298	coffer	athena	mar	0.86	A0.1606	158
A0299	coffer	athena	mar	0.83	A0.1603	159
A0300	unknow	athena	mar	0.63	A0.1605	
A0301	unknow	athena	mar	0.55	A0.1602	
A0302	unknow	athena	mar	**1.15**	A0.1305	
A0303	coffer	athena	mar	0.92	A0.1306	
A0304	coffer	athena	mar	0.59	A0.1609	
A0305	unknow	athena	mar	0.48	A0.1610	
A0306	unknow	athena	mar	0.85	A0.1611	
A0307	unknow	athena	mar	0.60	A0.1613	
A0308	unknow	athena	mar	0.75	A0.1614	

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A0309	geison		athena	mar	0.94	A0.1612	
A0310	unknow		athena	mar	0.70	A0.1616	
A0311	coffer		athena	mar	**0.68**	A0.1615	GStaf11k
A0312	unknow		athena	mar	**0.80**	A0.1307	
A0313	cdrum		athena	mar	0.00	A0.1308	
A0314	unknow		athena	mar	1.14	A0.1312	
A0315	unknow		athena	mar	0.95	A0.1617	
A0316	unknow		athena	mar	1.10	A0.1323	
A0317	coffer		athena	mar	0.74	A0.1322	
A0318	unknow		athena	mar	0.80	A0.1324	
A0319	unknow		athena	mar	0.60	A0.1325	
A0320	cdrum		athena	mar	**0.87**	A0.1321	
A0321	cdrum		athena	mar	0.79	A0.1310	
A0322	cdrum		athena	mar	0.00	A0.1311	
A0323	unknow		athena	mar	0.80	A0.1326	
A0324	unknow		athena	mar	0.82	A0.1328	
A0325	unknow		athena	mar	0.78	A0.1327	
A0326	geison		athena	mar	0.80	A0.1405	
A0327	unknow		athena	mar	0.88	A0.1315	
A0329	inscdr		athena	mar	0.00	A0.1220	
A0330	stylob		athena	mar	1.25	A0.1018	GStaf4b
A0331	ecoldr		athena	mar	**0.85**	A0.1316	
A0332	unknow		athena	mar	**1.54**	A0.1317	
A0333	unknow		athena	mar	0.00	A0.1318	
A0334	coffer		athena	mar	**0.75**	A0.1320	
A0335	unknow		athena	mar	1.15	A0.1230	
A0336	ecoldr		proIXD	mar	0.81	A0.1501	153
A0337	ecoldr		proIXD	mar	0.60	A0.1502	155
A0338	ecoldr		proIXD	mar	**0.86**	A0.1503	154
A0339	ecoldr		proIXD	mar	0.86	A0.1504	156
A0340	dec		atempl	mar	0.11	z7.37.4	
A0400	cdrum	doric	athena	mar	0.40	A0.1200	
A0401	cdrum	doric	athena	mar	0.21	A0.1205	
A0402	cdrum	doric	athena	mar	0.26	A0.1207	
A0403	cdrum	doric	athena	mar	0.28	A0.1210	
A0404	cdrum	doric	athena	mar	0.28	A0.1212	
A0405	cdrum	doric	athena	mar	0.29	A0.1214	
A0406	cdrum	doric	athena	mar	0.43	A0.1216	
A0407	cdrum	doric	athena	mar	0.20	A0.1218	
A0408	cdrum	doric	athena	mar	0.34	A0.1222	
A0409	cdrum	doric	athena	mar	0.24	A0.1224	
A0410	cdrum	doric	athena	mar	0.35	A0.1225	
A0411	cdrum	doric	athena	mar	0.31	A0.1226	
A0412	cdrum	doric	athena	mar	0.26	A0.1227	

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A0413	cdrum	doric	athena	mar	0.45	A0.1228
A0414	cdrum	doric	athena	mar	0.24	A0.1229
A0415	cdrum	doric	athena	mar	0.15	A0.1231
A0416	cdrum	doric	athena	mar	0.27	A0.1236
A0417	cdrum	doric	athena	mar	0.19	A0.1237
A0418	cdrum	doric	athena	mar	0.20	A0.1238
A0419	cdrum	doric	athena	mar	0.24	A0.1239
A0420	cdrum	doric	athena	mar	0.37	A0.1240
A0421	cdrum	doric	athena	mar	0.41	A0.1241
A0422	unknow		athena	mar	0.13	A0.1242
A0423	cdrum	doric	athena	mar	0.26	A0.1243
A0424	unknow		athena	mar	0.30	A0.1244
A0425	unknow		athena	mar	0.26	A0.1245
A0426	unknow		athena	mar	0.22	A0.1246
A0427	unknow		athena	mar	0.15	A0.1247
A0428	unknow		athena	mar	0.30	A0.1248
A0429	unknow		athena	mar	0.24	A0.1249
A0430	unknow		athena	mar	0.12	A0.1250
A0431	unknow		athena	mar	0.15	A0.1251
A0432	unknow		athena	mar	0.18	A0.1252
A0433	unknow		athena	mar	0.21	A0.1253
A0434	cdrum	doric	athena	mar	0.21	A0.1254
A0435	unknow		athena	mar	0.22	A0.1255
A0436	cdrum	doric	athena	mar	0.21	A0.1256
A0437	unknow		athena	mar	0.13	A0.1257
A0438	unknow		athena	mar	0.16	A0.1258
A0439	unknow		athena	mar	0.14	A0.1259
A0440	cdrum	doric	athena	mar	0.14	A0.1260
A0441	unknow		athena	mar	0.23	A0.1261
A0442	unknow		athena	mar	0.17	A0.1262
A0443	unknow		athena	mar	0.37	A0.1263
A0444	unknow		athena	mar	0.27	A0.1264
A0445	cdrum	doric	athena	mar	0.28	A0.1265
A0446	unknow		athena	mar	0.34	A0.1266
A0447	unknow		athena	mar	0.23	A0.1267
A0448	unknow		athena	mar	0.20	A0.1268
A0449	coffer		athena	mar	0.35	A0.1269
A0450	unknow		athena	mar	0.31	A0.1270
A0451	unknow		athena	mar	0.20	A0.1271
A0452	unknow		athena	mar	0.27	A0.1272
A0453	unknow		athena	mar	0.50	A0.1273
A0454	unknow		athena	mar	0.33	A0.1274
A0455	unknow		athena	mar	0.24	A0.1275
A0456	unknow		athena	mar	0.19	A0.1276

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A0457	unknow		athena	mar	0.28	A0.1277
A0458	unknow		athena	mar	0.38	A0.1278
A0459	unknow		athena	mar	0.32	A0.1279
A0460	unknow		athena	mar	0.46	A0.1280
A0461	unknow		athena	mar	0.34	A0.1281
A0462	roofti		athena	mar	0.18	A0.1282
A0463	cdrum	doric	athena	mar	0.18	A0.1283
A0464	coffer		athena	mar	0.23	A0.1284
A0465	unknow		athena	mar	0.32	A0.1285
A0466	unknow		athena	mar	0.16	A0.1286
A0467	unknow		athena	mar	0.30	A0.1287
A0468	unknow		athena	mar	0.21	A0.1288
A0469	unknow		athena	mar	0.23	A0.1289
A0470	unknow		athena	mar	0.21	A0.1290
A0471	unknow		athena	mar	0.22	A0.1291
A0472	unknow		athena	mar	0.21	A0.1292
A0473	unknow		athena	mar	0.24	A0.1293
A0474	unknow		athena	mar	0.20	A0.1294
A0475	unknow		athena	mar	0.20	A0.1295
A0476	unknow		athena	mar	0.28	A0.1296
A0477	coffer		athena	mar	0.28	A0.1297
A0478	coffer		athena	mar	0.31	A0.1298
A0479	coffer		athena	mar	0.27	A0.1299
A0480	unknow		athena	mar	0.38	A0.1335
A0481	unknow		athena	mar	0.28	A0.1336
A0482	unknow		athena	mar	0.28	A0.1337
A0483	coffer		athena	mar	0.40	A0.1338
A0484	coffer		athena	mar	0.26	A0.1339
A0485	unknow		athena	mar	0.22	A0.1340
A0486	unknow		athena	mar	0.29	A0.1341
A0487	unknow		athena	mar	0.18	A0.1342
A0488	unknow		athena	mar	0.23	A0.1343
A0489	unknow		athena	mar	0.15	A0.1344
A0490	cdrum	doric	athena	mar	0.19	A0.1345
A0491	cdrum	doric	athena	mar	0.24	A0.1346
A0492	cdrum	doric	athena	mar	0.29	A0.1347
A0493	cdrum	doric	athena	mar	0.23	A0.1348
A0494	cdrum	doric	athena	mar	0.24	A0.1349
A0495	cdrum	doric	athena	mar	0.20	A0.1350
A0496	cdrum	doric	athena	mar	0.31	A0.1351
A0497	cdrum	doric	athena	mar	0.40	A0.1352
A0498	unknow		athena	mar	0.66	A0.1353
A0499	unknow		athena	mar	0.30	A0.1354
A0500	unknow		athena	mar	0.13	A0.1095

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A0501	unknow		athena	mar	0.13	A0.1096
A0502	unknow		athena	mar	0.23	A0.1097
A0503	cdrum	doric	athena	mar	0.33	A0.1099
A0504	unknow		athena	mar	0.22	A0.1100
A0505	unknow		athena	mar	0.21	A0.1141
A0506	unknow		athena	mar	0.41	A0.1101
A0507	unknow		athena	mar	0.31	A0.1102
A0508	unknow		athena	mar	0.24	A0.1103
A0509	unknow		athena	mar	0.21	A0.1104
A0510	unknow		athena	mar	0.23	A0.1105
A0511	unknow		athena	mar	0.12	A0.1106
A0512	roofti		athena	mar	0.23	A0.1107
A0513	unknow		athena	mar	0.25	A0.1108
A0514	unknow		athena	mar	0.15	A0.1109
A0515	cdrum	doric	athena	mar	0.22	A0.1110
A0516	cdrum	doric	athena	mar	0.15	A0.1111
A0517	cdrum	doric	athena	mar	0.28	A0.1112
A0518	unknow		athena	mar	0.20	A0.1113
A0519	unknow		athena	mar	0.38	A0.1114
A0520	unknow		athena	mar	0.23	A0.1115
A0521	unknow		athena	mar	0.18	A0.1116
A0522	unknow		athena	mar	0.27	A0.1117
A0523	unknow		athena	mar	0.33	A0.1118
A0524	unknow		athena	mar	0.33	A0.1119
A0525	unknow		athena	mar	0.48	A0.1121
A0526	coffer		athena	mar	0.52	A0.1120
A0527	unknow		athena	mar	0.35	A0.1122
A0528	unknow		athena	mar	0.31	A0.1123
A0529	unknow		athena	mar	0.27	A0.1124
A0530	unknow		athena	mar	0.21	A0.1125
A0531	unknow		athena	mar	0.25	A0.1126
A0532	unknow		athena	mar	0.26	A0.1127
A0533	unknow		athena	mar	0.31	A0.1128
A0534	cdrum	doric	athena	mar	0.14	A0.1129
A0535	cdrum	doric	athena	mar	0.19	A0.1130
A0536	cdrum	doric	athena	mar	0.16	A0.1131
A0537	cdrum	doric	athena	mar	0.20	A0.1132
A0538	cdrum	doric	athena	mar	0.16	A0.1133
A0539	cdrum	doric	athena	mar	0.28	A0.1134
A0540	unknow		athena	mar	0.14	A0.1135
A0541	cdrum	doric	athena	mar	0.33	A0.1136
A0542	cdrum	doric	athena	mar	0.39	A0.1137
A0543	cdrum	doric	athena	mar	0.22	A0.1138
A0544	unknow		athena	mar	0.15	A0.1139

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A0545	unknow		athena	mar	0.13	A0.1140	
A0546	unknow		athena	mar	0.17	A0.1141	
A0547	cdrum	doric	athena	mar	0.38	A0.1142	
A0548	cdrum	doric	athena	mar	0.23	A0.1143	
A0549	cdrum	doric	athena	mar	0.20	A0.1144	
A0550	cdrum	doric	athena	mar	0.24	A0.1145	
A0551	unknow		athena	mar	0.22	A0.1146	
A0552	unknow		athena	mar	0.15	A0.1147	
A0553	unknow		athena	mar	0.14	A0.1148	
A0554	unknow		athena	mar	0.12	A0.1149	
A0555	unknow		athena	mar	0.20	A0.1150	
A0556	cdrum	doric	athena	mar	0.13	A0.1151	
A0557	cdrum	doric	athena	mar	0.20	A0.1152	
A0558	roofti		athena	mar	0.17	A0.1153	
A0559	unknow		athena	mar	0.23	A0.1154	
A0560	unknow		athena	mar	0.16	A0.1155	
A0561	unknow		athena	mar	0.20	A0.1156	
A0562	cdrum	doric	athena	mar	0.47	A0.1157	
A0563	unknow		athena	mar	0.19	A0.1158	
A0564	unknow		athena	mar	0.13	A0.1159	
A0565	unknow		athena	mar	0.18	A0.1160	
A0566	unknow		athena	mar	0.25	A0.1161	
A0567	unknow		athena	mar	0.47	A0.1164	
A0568	cdrum	doric	athena	mar	0.21	A0.1163	
A0569	cdrum	doric	athena	mar	0.38	A0.1162	
A0570	unknow		athena	mar	0.25	A0.1165	
A0571	unknow		athena	mar	0.26	A0.1232	
A0572	unknow		athena	mar	0.42	A0.1233	
A0573	unknow		athena	mar	0.44	A0.1234	
A0574	unknow		athena	mar	0.50	A0.1235	
A0575	cdrum	doric	athena	mar	0.50	A0.1309	
A0576	unknow		athena	mar	0.65	A0.1319	
A0577	unknow		athena	mar	0.46	A0.1329	
A0578	coffer		unknow	mar	0.64	A0.1334	160
A0579	mould		atempl	cma	0.16	z7.51.2	
A0580	cornic	doric	athena	mar	0.09	E4.645	
A0581	cbase		odeion	mar	0.13	E10.1.4	
A0582	revetm		odeion	mar	0.00	E10.5.2	
A0583	unknow		unknow	mar	0.08	A29.29	
A0584	cap	pergam	odeion	mar	0.16	F10.59.2	
A0585	dec		odeion	mar	0.15	F10.49.5	
A0586	cap	corint	odeion	mar	0.10	E9.8	880a
A0587	a + f	doric	unknow	mar	1.74	A0.192	
A0588	mould		nbldg	mar	0.09	z6.94.13	

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A0589	mould		nbldg	mar	0.12	z6.123.6	
A0590	dec		odeion	mar	0.20	E10.120.10	
A0591	dec		odeion	mar	0.15	E10.120.8	
A0592	dec		odeion	mar	0.34	E10.120.6	
A0593	pil		odeion	mar	**0.29**	E10.119.3	770
A0594	pcap		odeion	mar	0.29	E10.118.2	808
A0595	pcap	pergam	odeion	mar	**0.62**	E10.120.16	768
A0596	rcorni		odeion	mar	0.19	E10.109.2	
A0597	col		odeion	cma	**0.31**	E10.112.3	
A0598	acrote		unknow	mar	0.21	D20.376	
A0599	unknow		glassf	mar	0.21	H17.1027	
A0600	col	doric	unknow	mar	0.00	z7.53.2	
A0601	base		odeion	mar	0.31	E10.1.2	910
A0602	cornic		odeion	mar	0.20	F10.17.4	877
A0603	archit	doric	athena	mar	0.26	E4.624	
A0604	acrote		atempl	mar	0.00	z7.54.4	
A0605	acrote		atempl	mar	0.00	z7.53.3	
A0606	cornic		odeion	mar	0.18	E10.27.4	874
A0607	pcap	ionic	unknow	mar	0.20	D9.2105	
A0608	col		odeion	cma	0.00	E10.122.2	873
A0609	jamb		odeion	cma	**0.75**	E10.122.3	
A0610	col		odeion	cma	0.00	E10.122.7	
A0613	cap	ionic	odeion	mar	0.15	E10.120.17	872
A0614	pcap		odeion	mar	0.09	E10.120.21	
A0616	base		odeion	mar	**0.33**	E10.120.28	
A0621	cornic		odeion	mar	0.79	E9.38	511
A0622	col		odeion	cma	**0.40**	E9.39	754
A0623	cornic		odeion	mar	0.19	E9.48	
A0624	cap	corint	odeion	mar	0.39	E10.24A	44
A0625	cap	ionic	odeion	mar	0.69	E10.25A	43
A0626	base		odeion	mar	0.38	E10.26A	
A0627	col		odeion	cma	**0.33**	E10.27A	
A0628	rc+bp		odeion	mar	**1.17**	E10.28A	503
A0629	col		odeion	cma	**0.44**	E10.29A	806
A0630	cimaci		odeion	mar	**0.80**	E10.30A	807
A0631	base		odeion	mar	**1.75**	E10.31A	
A0634	cimaci		odeion	mar	**1.07**	E10.32A	504
A0635	cimaci		odeion	mar	**1.07**	E10.33A	505
A0636	cimaci		odeion	mar	**1.07**	E10.34A	506
A0637	cap	pergam	odeion	mar	**0.43**	E10.35A	881a, b
A0638	pbase		odeion	mar	**0.42**	E10.120.2	
A0639	pil		odeion	mar	0.18	E10.120.12	
A0640	a + f		odeion	mar	1.09	E10.120.14	501
A0641	pil		odeion	mar	0.18	E10.120.19	

App. 4 (Part 1)
Continuation

A0642	pil		odeion	mar	0.12	E10.120.23	
A0643	cornic		odeion	mar	1.22	E10.120.24	508
A0644	a + f		odeion	mar	0.52	E10.120.25	
A0645	base		odeion	mar	**0.34**	E10.120.29	
A0646	cimaci		odeion	mar	0.24	E10.120.36	
A0647	col		odeion	gra	0.31	E10.122.8	755
A0648	pil		odeion	mar	**0.28**	F10.124.3	
A0649	cbase		odeion	mar	0.35	F10.87.3	
A0650	col		odeion	cma	0.52	F10.124.4	606
A0651	pbalus		unknow	mar	0.00	A8/9.95.2	
A0652	ecap	aeolic	archai	lim	0.89	z6/7.295.7	512
A0653	a + f		nbldg	mar	0.22	z6/7.0274.007	
A0654	archit		nbldg	mar	0.23	z6/7.274.8	
A0655	archit		nbldg	mar	0.11	z6/7.274.9	
A0656	roofti		athena	mar	0.21	K/L4.105	
A0657	cdrum	doric	athena	mar	0.00	E3.174	
A0658	pbase		athena	mar	0.23	E3.91	
A0660	cap	ionic	unknow	mar	**0.47**	A0.385	
A0661	dec		unknow	mar	0.00	A0.387	
A0662	cornic		IXM	mar	**1.00**	K/L4.217	
A0663	cdrum		unknow	mar	**0.35**	A0.397	
A0664	wall		archai	lim	**0.46**	z6.159.5	521
A0665	wall		archai	lim	**0.36**	z6.159.6	522
A0666	wall		archai	lim	**0.54**	z6.159.7	523
A0667	wall		archai	lim	**0.36**	z6.159.8	524
A0668	wall		archai	lim	**0.43**	z6.159.9	525
A0669	wall		archai	lim	**0.40**	z6.159.10	526
A0670	wall		archai	lim	**0.63**	z6.159.11	527
A0671	ebase	aeolic	archai	lim	**0.42**	z6.159.12	520
A0672	ebase	aeolic	archai	lim	0.35	z6.351	528
A0675	revetm		unknow	cma	0.13	D8.604	
A0678	cdrum		IXM	mar	**0.52**	L4.486	
A0682	freize	doric	IXM	mar	**0.85**	L4.499	570
A0683	freize	doric	IXM	mar	**1.78**	L4.500	
A0684	cdrum	doric	IXM	mar	**0.55**	L4.481	
A0685	freize	doric	IXM	mar	0.72	L4.501	569
A0687	unknow		odeion	mar	0.36	E/F10.156.2	765
A0690	base		odeion	mar	**0.60**	E/F10.162.3	766
A0695	base		odeion	mar	0.33	E/F10.163.3	764
A0696	cornic		odeion	mar	0.70	E/F10.158.4	763
A0697	mould		odeion	mar	1.01	E/F10.179.4	767
A0702	cap		odeion	mar	0.16	E/F10.166.5	870
A0703	pbase		odeion	mar	0.15	E/F10.166.3	859
A0705	archit		odeion	mar	0.23	E/F10.165.4	833

App. 4 (Part 1)
Continuation

A0707	col		odeion	mar	0.33	E/F10.165.2	849
A0709	pcap	compos	odeion	mar	**0.36**	E/F10.162.15	769
A0712	dec		odeion	mar	0.38	E/F10.162.10	878
A0714	cap	corint	odeion	mar	**0.43**	E/F10.162.6	774
A0717	pbase		odeion	mar	**0.39**	E/F10.233.5	772
A0726	col		odeion	gra	0.15	E/F10.158.2	846
A0728	mould		odeion	mar	**0.41**	E/F10.162.13	618
I0005	inscri		bouleu	mar	0.15	I8/9.65.2	
I0008	archit		bouleu	mar	0.00	H10.6	
I0013	pil		unknow	mar	**0.60**	A0.319	
I0018	archit		unknow	mar	**2.08**	A0.324	
I0018	lintel		unknow	mar	**2.30**	A0.324	151
I0020	archit	doric	unknow	mar	0.52	A0.326	
I0021	archit		unknow	mar	1.25	A0.327	
I0022	archit		unknow	mar	0.84	A0.328	
I0023	archit		unknow	mar	1.49	A0.329	
I0025	archit		unknow	mar	0.63	A0.331	
I0026	archit	doric	unknow	mar	0.91	A0.332	
I0027	archit		unknow	mar	0.79	A0.333	
I0028	archit		unknow	mar	**2.32**	A0.334	
I0030	cornic		unknow	mar	**2.05**	A0.335	
I0031	archit		unknow	mar	1.35	A0.336	
I0033	archit		unknow	mar	0.59	A0.338	
I0035	ba+f		odeion	mar	0.46	A0.398	531
I0063	rbalus		atheat	mar	0.51	R1.5.2	
I0064	rbalus		atheat	mar	**0.90**	R1.7.2	
WD089	mould		odeion	mar	0.44	E/F10.165.3	
	cbase		odeion	mar	0.13	E/F10.164.2	
	archit		odeion	mar	0.23	E/F10.165.4	
	pcap	compos	odeion	mar	0.23	E/F10.162.9	
	pcap	compos	odeion	mar	0.27	E/F10.162.11	
	mould		odeion	mar	0.31	E/F10.162.14	
	pcap	compos	odeion	mar	**0.36**	E/F10.162.15	
	mould		odeion	mar	**0.40**	E/F10.162.12	617
	cap	corint	odeion	mar	**0.43**	E/F10.162.6	
	cornic		odeion	mar	2.79		781
	cdrum	doric	unknow	mar	**0.85**		152
	base		unknow	mar	1.42		780

App. 4 (Part 1)
Continuation

App. 4 (Part 2) architectural block inventory.

THEATER A

INVNO	TYPE	ORDER	BLDGTOPO	MAT	WIDTH	HEIGHT	DEPTH	PHOTO	SFNO	DWG NO	NOTEBOOK
A0001	geison	corint	scfron	mar	2.35	**0.40**	0.95	89/70/?	Q60.55	944	Theat.A '89p4
A0002	geison	corint	scfron	mar	**2.33**	**0.29**	**1.4**	89/71/?	Q60.56		Theat.A '89p4
A0003	col		scfron	mar	**0.49**	1.59	**0.49**	89/72/?	Q60.57	869	Theat.A '89p4
A0004	pbalus		orches	mar	**0.45**	1.69	**0.5**		Q1.58	866	Theat.A '89p7
A0005	rcorni	ionic	scfron	mar	0.93	**0.25**	**0.62**	89/78-79/?	Q1.59	865	Theat.A '89p7
A0006	pbalus		orches	mar	**0.63**	**0.46**	**0.33**	89/73,80/?	R1.60	863	Theat.A '89p8
A0007	cornic	ionic	scfron	mar	2.01	**0.27**	**1.46**	89/83/?	R59.61		Theat.A '89p10
A0008	rbalus		orches	mar	**0.86**	0.43	**0.17**	89/85/?	Q1.62		Theat.A '89p12
A0009	cimaci		cavea	mar	**1.25**	**0.23**	**0.61**	89/86/?	Q1.63		Theat.A '89p12
A0010	socle		alae	mar	**1.03**	**0.26**	**0.7**	89/134&172/?	Q60.64		Theat.A '89p18
A0011	unknow		scfron	mar	1.19	**0.28**	0.47	89/173/?	R59.65		Theat.A '89p19
A0012	archit	corint	scfron	mar	1.34	0.31	0.46	89/174/?	Q1.66		Theat.A '89p19
A0013	cornic	doric	scfron	mar	0.51	0.57	0.13		Q60.67		Theat.A '89p19
A0014	unknow		scfron	mar	0.42	0.22	0.44		Q60.68		Theat.A '89p20
A0015	socle			mar	**0.49**	**0.29**	**0.49**		Q60.69		Theat.A '89p20
A0016	sill		scfron	mar	**1.58**	**0.28**	**0.59**	89/176/?	Q60.70		Theat.A '89p23
A0017	unknow			mar	0.85	**0.19**	0.46	89/180/?	Q60.71	867	Theat.A '89p23
A0018	jamb		scfron	mar	**0.24**	1.39	0.52	89/181/?	Q60.72		Theat.A '89p23
A0019	archit	corint	scfron	mar	1.85	**0.35**	**0.49**	89/182/?	Q60.73	868	Theat.A '89p24
A0020	archit		scfron	mar	1.31	**0.28**	**0.54**	89/183/?	Q60.74		Theat.A '89p24
A0021	cornic	corint	scfron	mar	1.18	**0.34**	0.83	89/184/?	Q60.75		Theat.A '89p24
A0022	rbalus		orches	mar	0.97	0.22	**0.17**	89/186/?	Q59.76		Theat.A '89p26
A0023	ecap	corint	scfron	mar	**0.74**	**0.48**	**0.67**	89/187/?	Q59.77	882	Theat.A '89p26
A0025	col		scfron	mar	**0.49**	0.88	**0.49**	89/190/?	Q59.78		Theat.A '89p27
A0026	rbalus		orches	mar	0.54	0.64	**0.16**	89/191/?	Q59.79		Theat.A '89p27
A0027	col		scfron	mar	**0.49**	1.06	**0.49**	89/192/?	Q59.80		Theat.A '89p28
A0028	col		scfron	mar	0.16	0.25	0.05	89/193/?	Q59.81		Theat.A '89p28
A0029	cornic		scfron	mar	0.26	0.24	0.18	89/193/?	Q59.82		Theat.A '89p28
A0031	cap	ionic	scfron	mar	0.15	0.08	0.13	89/197/?	R60.83		Theat.A '89p31
A0032	cornic	ionic	scfron	mar	1.22	**0.26**	**0.67**	89/988/?	Q59.84	871	Theat.A '89p42

THEATER A

INVNO	TYPE	ORDER	BLDGTOPO	MAT	WIDTH	HEIGHT	DEPTH	PHOTO	SFNO	DWG NO	NOTEBOOK
A0001	geison	corint	scfron	mar	2.35	**0.40**	0.95	89/70/?	Q60.55	944	Theat.A '89p4
A0002	geison	corint	scfron	mar	**2.33**	**0.29**	**1.4**	89/71/?	Q60.56		Theat.A '89p4
A0003	col		scfron	mar	**0.49**	1.59	**0.49**	89/72/?	Q60.57	869	Theat.A '89p4
A0004	pbalus		orches	mar	**0.45**	1.69	**0.5**		Q1.58	866	Theat.A '89p7
A0005	rcorni	ionic	scfron	mar	0.93	**0.25**	**0.62**	89/78-79/?	Q1.59	865	Theat.A '89p7
A0006	pbalus		orches	mar	**0.63**	**0.46**	**0.33**	89/73,80/?	R1.60	863	Theat.A '89p8
A0007	cornic	ionic	scfron	mar	2.01	**0.27**	**1.46**	89/83/?	R59.61		Theat.A '89p10
A0008	rbalus		orches	mar	**0.86**	0.43	**0.17**	89/85/?	Q1.62		Theat.A '89p12
A0009	cimaci		cavea	mar	**1.25**	**0.23**	**0.61**	89/86/?	Q1.63		Theat.A '89p12
A0010	socle		alae	mar	**1.03**	**0.26**	**0.7**	89/134&172/?	Q60.64		Theat.A '89p18
A0011	unknow		scfron	mar	1.19	**0.28**	0.47	89/173/?	R59.65		Theat.A '89p19
A0012	archit	corint	scfron	mar	1.34	0.31	0.46	89/174/?	Q1.66		Theat.A '89p19
A0013	cornic	doric	scfron	mar	0.51	0.57	0.13		Q60.67		Theat.A '89p19
A0014	unknow		scfron	mar	0.42	0.22	0.44		Q60.68		Theat.A '89p20
A0015	socle			mar	**0.49**	**0.29**	**0.49**		Q60.69		Theat.A '89p20
A0016	sill		scfron	mar	**1.58**	**0.28**	**0.59**	89/176/?	Q60.70		Theat.A '89p23
A0017	unknow			mar	0.85	**0.19**	0.46	89/180/?	Q60.71	867	Theat.A '89p23
A0018	jamb		scfron	mar	**0.24**	1.39	0.52	89/181/?	Q60.72		Theat.A '89p23
A0019	archit	corint	scfron	mar	1.85	**0.35**	**0.49**	89/182/?	Q60.73	868	Theat.A '89p24
A0020	archit		scfron	mar	1.31	**0.28**	**0.54**	89/183/?	Q60.74		Theat.A '89p24
A0021	cornic	corint	scfron	mar	1.18	**0.34**	0.83	89/184/?	Q60.75		Theat.A '89p24
A0022	rbalus		orches	mar	0.97	0.22	**0.17**	89/186/?	Q59.76		Theat.A '89p26
A0023	ecap	corint	scfron	mar	**0.74**	**0.48**	**0.67**	89/187/?	Q59.77	882	Theat.A '89p26
A0025	col		scfron	mar	**0.49**	0.88	**0.49**	89/190/?	Q59.78		Theat.A '89p27
A0026	rbalus		orches	mar	0.54	0.64	**0.16**	89/191/?	Q59.79		Theat.A '89p27
A0027	col		scfron	mar	**0.49**	1.06	**0.49**	89/192/?	Q59.80		Theat.A '89p28
A0028	col		scfron	mar	0.16	0.25	0.05	89/193/?	Q59.81		Theat.A '89p28
A0029	cornic		scfron	mar	0.26	0.24	0.18	89/193/?	Q59.82		Theat.A '89p28
A0031	cap	ionic	scfron	mar	0.15	0.08	0.13	89/197/?	R60.83		Theat.A '89p31
A0032	cornic	ionic	scfron	mar	1.22	**0.26**	**0.67**	89/988/?	Q59.84	871	Theat.A '89p42

App. 4 (Part 2)
Continuation

App. 4 (Part 2)
Continuation

A0033	vousso		scfron	mar	0.25	0.44	0.18	89/1109-10/?	Q59.85		Theat.A '89p55
A0034	coffer		scfron	mar	0.31	0.05	0.23	89/1117/?	P59.86		Theat.A '89p58
A0035	col		scfron	mar	**0.45**	0.42	**0.45**	89/1118/?	P59.87		Theat.A '89p58
A0036	a + f		scfron	mar	0.33	0.46	**0.1**	89/1119/?	P59.88		Theat.A '89p58
A0037	unknow		scfron	mar	0.40	0.36	0.12	89/1120/?	P59.89		Theat.A '89p58
A0093	mould		scfron	cma	0.19	0.08	0.1		P1.1.1		P1 '91 p7
A0152	archit	doric	scfron	cma	0.05	0.04	0.03		R60.112.2	779	R60 '91 p41
A0153	archit	doric	scfron	mar	0.11	0.08	0.04		R60.109.3		R60 '91 p36
A0156	col	doric	scfron	mar	0.50	0.77	0.15		P1.5.1		P1 '91 p25
A0157	col	doric	scfron	mar	0.46	0.71	0.13		P1.5.3		P1 '91 p42
A0158	col	doric	scfron	mar	0.48	0.61	0.14		P1.5.5		P1 '91 p46
A0159	col	doric	scfron	mar	0.42	0.61	0.13		P1.5.6		P1 '91 p46
A0160	dec			mar	0.00	0.00	0		P1.12.2		P1 '91 p83
A0161	dec			mar	0.00	0.00	0		P1.19.3		P1 '91 p122
A0162	rbalus		orches	mar	**1.07**	**1.17**	**0.23**		R1.4.6		R1 '92 p17
A0163	rbalus		orches	mar	0.51	**1.19**	**0.17**		R1.5.2		R1 '92 p25
A0164	rbalus		orches	mar	**0.90**	**1.16**	**0.2**		R1.7.2		R1 '92
A0165	rbalus		orches	mar	0.00	**1.17**	**0.19**		R1.7.3		R1 '92 p30
A0166	tseat		cavea	lim	**0.45**	**0.30**	**0.96**		R1.2.3	864	R1 '92 p40
A0167	tseat		cavea	lim	0.00	0.00	0		R1.2.4		R1 '92 p40
A0168	tseat		cavea	lim	0.00	0.00	0		R1.4.7		R1 '92 p40
A0169	tseat		cavea	lim	0.00	0.00	0		R1.4.8		R1 '92 p40
A0170	tseat		cavea	lim	0.00	0.00	0		R1.19.3		R1 '92 p40
A0179	cap	ionic	scfron	mar	0.15	0.10	0.08		R1.19.2		R1 '92 p60
I0063	rbalus		orches	mar	0.51	**1.19**	**0.17**	92/44/35	R1.5.2		R1'92p25
I0064	rbalus		orches	mar	**0.90**	**1.16**	**0.2**		R1.7.2		R1'92

TEMPLE of ATHENA

INVNO	TYPE	ORDER	BLDGTOPO	MAT	WIDTH	HEIGHT	DEPTH	PHOTO	SFNO	DWG NO	NOTEBOOK
A0200	unknow			mar	0.67	0.15	0.6	92/107/1	A0.1031		Bau.Rest.'92p33
A0201	unknow			mar	0.80	0.58	0.32	92/107/1	A0.1045		Bau.Rest.'92p33
A0202	unknow			mar	0.68	**0.22**	0.64	92/107/1	A0.1046		Bau.Rest.'92p33
A0203	unknow			mar	0.74	**0.22**	0.5	92/107/1	A0.1044		Bau.Rest.'92p33
A0204	unknow			mar	0.77	**0.28**	0.68	92/107/1	A0.1053		Bau.Rest.'92
A0205	unknow			mar	0.72	**0.28**	0.52	92/107/1	A0.1037		Bau.Rest.'92p33
A0206	unknow			mar	0.68	**0.33**	0.65	92/107/1	A0.1036		Bau.Rest.'92p33
A0207	cdrum			mar	**0.65**	0.75	0.27	92/107/1	A0.1035		Bau.Rest.'92p33
A0208	inscdr			mar	**0.70**	0.73	**0.7**	92/107/1	A0.1048		Bau.Rest.'92p33
A0209	unknow			mar	0.70	**0.22**	**0.49**	92/107/1	A0.1022		Bau.Rest.'92p33
A0210	wall			mar	**0.80**	**0.29**	**0.65**	92/112/9	A0.1211		Bau.Rest.'92p30
A0211	unknow			mar	0.94	**0.60**	**0.29**	92/112/9	A0.1213		Bau.Rest.'92p30
A0212	unknow			mar	0.82	0.29	0.21	92/107/10	A0.1217		Bau.Rest.'92p34
A0213	unknow			mar	0.75	0.35	0.21	92/107/1	A0.1024		Bau.Rest.'92p33
A0214	unknow			mar	**0.70**	**0.25**	**0.44**	92/108/11	A0.1202		Bau.Rest.'92p27
A0215	unknow			mar	0.53	0.29	0.52	92/107/1	A0.1025		Bau.Rest.'92
A0216	ecoldr	doric		mar	0.86	**0.29**	0.54	92/108/11	A0.1203		Bau.Rest.'92p27
A0217	ecoldr	doric		mar	0.72	**0.23**	0.59	92/108/11	A0.1204		Bau.Rest.'92p27
A0218	ecoldr	doric		mar	0.63	0.28	0.13		A0.1199		Bau.Rest.'92p27
A0219	ecoldr	doric		mar	0.38	0.18	0.11		A0.1098		Bau.Rest.'92p27
A0220	unknow			mar	0.69	**0.22**	0.59	92/107/1	A0.1050		Bau.Rest.'92p33
A0221	unknow			mar	**0.66**	**0.22**	**0.45**	92/107/1	A0.1047		Bau.Rest.'92p33
A0222	pcap	doric	cella	mar	0.54	**0.26**	0.47	92/107/1	A0.1049	GStaf14g	Bau.Rest.'92p33
A0223	unknow			mar	**0.47**	**0.42**	**0.23**	92/107/1	A0.1042		Bau.Rest.'92p33
A0224	unknow			mar	**0.48**	**0.22**	**0.42**	92/107/1	A0.1043		Bau.Rest.'92p33
A0225	unknow			mar	0.51	0.31	0.58	92/107/1	A0.1019		Bau.Rest.'92p33
A0226	frieze	doric	perist	mar	0.74	0.58	**0.37**	92/107/1	A0.1013		Bau.Rest.'92p33
A0227	frieze		perist	mar	1.01	**0.44**	**0.52**	92/107/1	A0.1002	GStaf14a2	Bau.Rest.'92p33
A0228	ecoldr	doric	celant	mar	**1.02**	**0.29**	**0.89**	92/107/1	A0.1021	GStaf17a	Bau.Rest.'92p33
A0229	unknow			mar	0.90	0.63	0.24	92/107/1	A0.1001		Bau.Rest.'92p33
A0230	cap	doric	perist	mar	**1.30**	**0.48**	**1.3**	92/107/1	A0.1032		Bau.Rest.'92p33
A0231	cap	doric	perist	mar	**1.30**	**0.47**	**1.3**	92/107/1	A0.1034		Bau.Rest.'92p33
A0232	cap	doric	perist	mar	**1.30**	**0.46**	**1.3**	92/107/1	A0.1026		Bau.Rest.'92p33
A0233	cap	doric	perist	mar	1.07	**0.44**	0.62	92/130/9	A0.1707		Bau.Rest.'92p43

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A0234	rsima	doric	gable	mar	0.62	**0.44**	**1.1**	92/130/8	A0.1704	GStaf16a	Bau.Rest.'92p43
A0235	frieze	doric	perist	mar	0.60	0.58	0.34	92/130/8	A0.1702	GStaf9c	Bau.Rest.'92p43
A0236	frieze	doric	perist	mar	0.66	**0.84**	**0.37**	92/130/8	A0.1701	GStaf9b	Bau.Rest.'92p43
A0237	unknow			mar	0.80	0.47	0.38	92/107/1	A0.1010		Bau.Rest.'92p33
A0238	unknow			mar	0.60	0.28	0.13		A0.1331		Bau.Rest.'92
A0239	unknow			mar	1.10	0.40	0.3		A0.1800		Bau.Rest.'92
A0240	cdrum	doric	cella	mar	0.64	1.17	0.54	92/107/1	A0.1017		Bau.Rest.'92p33
A0241	unknow			mar	1.18	**0.28**	0.63	92/107/1	A0.1009		Bau.Rest.'92p33
A0242	unknow			mar	0.82	**0.57**	0.18	92/107/1	A0.1008		Bau.Rest.'92p33
A0243	stylob	doric	perist	mar	0.52	**0.31**	**0.52**	92/107/1	A0.1028	GStaf4c	Bau.Rest.'92p33
A0244	archit	doric	perist	mar	1.16	**0.75**	**0.56**	92/107/1	A0.1029	GStaf6c	Bau.Rest.'92p33
A0245	unknow			mar	0.94	0.50	0.23	92/107/1	A0.1030		Bau.Rest.'92p33
A0246	unknow			mar	1.20	0.51	0.15	92/107/1	A0.1016		Bau.Rest.'92p33
A0248	unknow			mar	0.58	**0.23**	0.43	92/112/9	A0.1215		Bau.Rest.'92p30
A0249	archit		perist	mar	**2.15**	**0.74**	**0.56**	92/107/1	A0.1015	GStaf6d	Bau.Rest.'92p33
A0250	coffer		perist	mar	**1.39**	**0.50**	2.06	92/107/1	A0.1012	GStaf10a	Bau.Rest.'92p33
A0251	cdrum	doric	perist	mar	**1.12**	**1.58**	**1.12**	92/107/1	A0.1011		Bau.Rest.'92p33
A0252	unknow			mar	**1.53**	**1.04**	**0.43**	92/107/1	A0.1007	f920722	Bau.Rest.'92p33
A0253	coffer		perist	mar	**1.42**	**0.30**	0.95	92/23/21	A0.1314	GStaf11a	Bau.Rest.'92p28
A0254	ecoldr	doric	cella	mar	**0.83**	**0.82**	**0.79**	92/23/21	A0.1313	GStaf18b	Bau.Rest.'92p28
A0255	unknow			mar	0.46	0.34	0.2		A0.1333		Bau.Rest.'92
A0256	unknow			mar	0.46	0.30	0.18		A0.1696		Bau.Rest.'92
A0257	unknow			mar	0.80	**0.19**	0.75	92/107/1	A0.1005		Bau.Rest.'92p33
A0258	unknow			mar	**0.76**	**0.20**	**0.49**		A0.1697		Bau.Rest.'92
A0259	col			mar	**0.50**	0.97	**0.5**	92/107/1	A0.1006		Bau.Rest.'92p33
A0260	unknow			mar	**0.84**	**0.26**	**0.47**	92/107/1	A0.1003		Bau.Rest.'92p33
A0261	unknow			mar	0.31	0.25	0.17		A0.1027		Bau.Rest.'92
A0262	unknow			mar	0.77	0.38	0.38	92/107/1	A0.1033		Bau.Rest.'92p33
A0263	coffer		perist	mar	0.85	**0.40**	0.7	92/107/1	A0.1014	GStaf11e	Bau.Rest.'92p33
A0264	coffer		perist	mar	**1.45**	**0.44**	1.66	92/107/1	A0.1094	GStaf11b	Bau.Rest.'92p33
A0265	coffer		perist	mar	0.71	**0.36**	0.56	92/130/7	A0.1705		Bau.Rest.'92p43
A0266	coffer		perist	mar	0.70	**0.40**	0.6	92/130/7	A0.1706		Bau.Rest.'92p43
A0267	wall			mar	**1.35**	**0.26**	**0.77**	92/109/3	A0.1219		Bau.Rest.'92p24
A0268	geison			mar	**1.60**	**0.30**	**0.92**	92/107/11	A0.1201		Bau.Rest.'92p23
A0269	wall			mar	**1.32**	**0.29**	**0.8**	92/107/10	A0.1206		Bau.Rest.'92p34
A0270	unknow			mar	0.91	0.76	0.29	92/107/6	A0.1209		Bau.Rest.'92p34
A0271	rework			mar	**0.85**	**0.34**	**0.85**	95/67	A0.1051	530	Bau.Rest.'92p33

A0272	rework		mar	**0.85**	**0.37**	**0.85**	95/67	A0.1039		Bau.Rest.'92p33
A0273	rework		mar	**0.85**	**0.35**	**0.85**	95/67	A0.1040		Bau.Rest.'92p33
A0274	rework		mar	**0.85**	**0.39**	**0.85**	95/67	A0.1038		Bau.Rest.'92p33
A0275	unknow		mar	0.91	0.76	0.29	92/107/6	A0.1208		Bau.Rest.'92p34
A0276	rework		mar	**0.85**	**0.46**	**0.85**	95/67	A0.1023	530	Bau.Rest.'92p33
A0277	rework		mar	**0.85**	**0.45**	**0.85**	95/67	A0.1020		Bau.Rest.'92p33
A0278	geison		mar	1.07	**0.29**	**0.86**	92/20/17-19	A0.1223		Bau.Rest.'92p25
A0279	stylob		mar	**1.20**	**0.28**	**0.77**	92/114/14	A0.1300		Bau.Rest.'92p32
A0280	coffer	perist	mar	**1.44**	**0.48**	1.53	92/112/6	A0.1301	GStaf10b	Bau.Rest.'92p30
A0281	unknow		mar	0.83	**0.63**	0.43	92/112/6	A0.1303		Bau.Rest.'92p30
A0282	unknow		mar	0.67	0.21	0.29	92/112/6	A0.1330		Bau.Rest.'92p30
A0283	coffer	perist	mar	**0.78**	**0.47**	0.48	92/112/6	A0.1302	GStaf10b	Bau.Rest.'92p30
A0284	coffer	perist	mar	1.45	**0.48**	1.58	92/112/6	A0.1332		Bau.Rest.'92p30
A0285	unknow		mar	1.10	0.60	0.7	92/36/35	A0.1304		Bau.Rest.'92p40
A0289	coffer	perist	mar	0.44	**0.65**	0.37	92/47/18	A0.1406		Bau.Rest.'92p43
A0290	cap		mar	0.85	**0.40**	0.76	92/47/9	A0.1404		Bau.Rest.'92p40
A0291	wall		mar	**1.50**	**0.33**	0	92/109/4	A0.1221		Bau.Rest.'92p24
A0292	stylob		mar	**1.40**	**0.32**	**0.84**	92/53/1,4,20	A0.1601		Bau.Rest.'92p46
A0293	coffer	perist	mar	1.51	**0.43**	1.4	92/53/1,4,20	A0.1600		Bau.Rest.'92p46
A0294	coffer	perist	mar	**1.44**	**0.49**	2.11	92/53/1,4,20	A0.1607	GStaf10b	Bau.Rest.'92p46
A0295	coffer	perist	mar	0.60	**0.53**	0.29	92/53/1,4,20	A0.1608.1?		Bau.Rest.'92p40
A0296	coffer	perist	mar	0.73	**0.43**	0.65	92/53/4	A0.1608	157	Bau.Rest.'92p46
A0297	cdrum		mar	0.43	0.43	0.43	92/53/20	A0.1604		Bau.Rest.'92p46
A0298	coffer	perist	mar	0.86	**0.44**	0.43	92/53/4	A0.1606	158	Bau.Rest.'92p46
A0299	coffer	perist	mar	0.83	**0.43**	0.72	92/53/20	A0.1603	159	Bau.Rest.'92p46
A0300	unknow		mar	0.63	0.34	0.23	92/53/20	A0.1605		Bau.Rest.'92p46
A0301	unknow		mar	0.55	0.22	0.36	92/36/36	A0.1602		Bau.Rest.'92p46
A0302	unknow		mar	**1.15**	**0.31**	**1.04**	92/36/35	A0.1305		Bau.Rest.'92p40
A0303	coffer	perist	mar	0.92	**0.40**	0.77	92/130/10	A0.1306		Bau.Rest.'92p43
A0304	coffer		mar	0.59	**0.26**	0.55	92/36/34	A0.1609		Bau.Rest.'92p40
A0305	unknow		mar	0.48	0.43	0.18	92/36/34	A0.1610		Bau.Rest.'92p40
A0306	unknow		mar	0.85	0.50	0.42	92/36/34	A0.1611		Bau.Rest.'92p40
A0307	unknow		mar	0.60	0.45	0.5	92/36/34	A0.1613		Bau.Rest.'92p40
A0308	unknow		mar	0.75	0.45	0.4	92/36/34	A0.1614		Bau.Rest.'92p40
A0309	geison		mar	0.94	**0.49**	0.76	92/36/34	A0.1612		Bau.Rest.'92p40
A0310	unknow		mar	0.70	0.32	0.43	92/36/34	A0.1616		Bau.Rest.'92p40
A0311	coffer	perist	mar	**0.68**	**0.46**	1.3	92/36/34	A0.1615	GStaf11k	Bau.Rest.'92p40

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A0312	unknow			mar	**0.80**	**0.35**	**0.6**	92/130/10	A0.1307		Bau.Rest.'92p43
A0313	cdrum			mar	0.00	**1.25**	0	92/23/17	A0.1308		Bau.Rest.'92p28
A0314	unknow			mar	1.14	**0.48**	**0.74**	92/53/10	A0.1312		Bau.Rest.'92p46
A0315	unknow			mar	0.95	0.31	0.75	92/53/10	A0.1617		Bau.Rest.'92p46
A0316	unknow			mar	1.10	**0.39**	0.75	92/53/10	A0.1323		Bau.Rest.'92p46
A0317	coffer		perist	mar	0.74	**0.39**	0.72	92/37/24	A0.1322		Bau.Rest.'92p39
A0318	unknow			mar	0.80	0.62	0.5	92/37/25	A0.1324		Bau.Rest.'92p39
A0319	unknow			mar	0.60	0.60	0.42	92/53/10	A0.1325		Bau.Rest.'92p46
A0320	cdrum			mar	**0.87**	**1.58**	**0.87**	92/37/23	A0.1321		Bau.Rest.'92p39
A0321	cdrum			mar	0.79	0.80	0.72	92/53/13	A0.1310		Bau.Rest.'92p46
A0322	cdrum			mar	0.00	1.89	0	92/53/13	A0.1311		Bau.Rest.'92p46
A0323	unknow			mar	0.80	0.65	0.32	92/53/6	A0.1326		Bau.Rest.'92p39
A0324	unknow			mar	0.82	0.41	0	92/53/6	A0.1328		Bau.Rest.'92p39
A0325	unknow			mar	0.78	0.52	0.19	92/53/5	A0.1327		Bau.Rest.'92p39
A0326	geison			mar	0.80	0.55	0.26	92/47/10	A0.1405		Bau.Rest.'92p40
A0327	unknow			mar	0.88	0.33	6	92/23/21	A0.1315		Bau.Rest.'92p28
A0329	inscdr			mar	0.00	0.00	0	92/109/11	A0.1220		Bau.Rest.'92p24
A0330	stylob			mar	1.25	**0.31**	**0.66**	92/107/1	A0.1018	GStaf4b	Bau.Rest.'92p33
A0331	ecoldr			mar	**0.85**	**1.30**	**0.95**	92/53/3	A0.1316		Bau.Rest.'92p28
A0332	unknow			mar	**1.54**	**0.58**	**0.85**	92/23/22	A0.1317		Bau.Rest.'92p28
A0333	unknow			mar	0.00	0.00	0	92/23/22	A0.1318		Bau.Rest.'92p28
A0334	coffer			mar	**0.75**	**0.40**	0.62	92/23/22	A0.1320		Bau.Rest.'92p28
A0335	unknow			mar	1.15	0.30	0.3	92/112/10	A0.1230		Bau.Rest.'92p30
A0400	cdrum	doric		mar	0.40	0.19	0.07	92/130/53-55	A0.1200		Bau.Rest.'92p70
A0401	cdrum	doric		mar	0.21	0.18	0.06	92/130/53-55	A0.1205		Bau.Rest.'92p70
A0402	cdrum	doric		mar	0.26	0.17	0.06	92/130/53-55	A0.1207		Bau.Rest.'92p70
A0403	cdrum	doric		mar	0.28	0.25	0.12	92/130/53-55	A0.1210		Bau.Rest.'92p70
A0404	cdrum	doric		mar	0.28	0.20	0.1	92/130/53-55	A0.1212		Bau.Rest.'92p70
A0405	cdrum	doric		mar	0.29	0.13	0.06	92/130/53-55	A0.1214		Bau.Rest.'92p70
A0406	cdrum	doric		mar	0.43	0.35	0.06	92/130/53-55	A0.1216		Bau.Rest.'92p70
A0407	cdrum	doric		mar	0.20	0.18	0.09	92/130/53-55	A0.1218		Bau.Rest.'92p70
A0408	cdrum	doric		mar	0.34	0.30	0.11	92/130/53-55	A0.1222		Bau.Rest.'92p70
A0409	cdrum	doric		mar	0.24	0.18	0.04	92/130/53-55	A0.1224		Bau.Rest.'92p70
A0410	cdrum	doric		mar	0.35	0.31	0.1	92/130/53-55	A0.1225		Bau.Rest.'92p70
A0411	cdrum	doric		mar	0.31	0.24	0.17	92/130/53-55	A0.1226		Bau.Rest.'92p70
A0412	cdrum	doric		mar	0.26	0.23	0.09	92/130/53-55	A0.1227		Bau.Rest.'92p70
A0413	cdrum	doric		mar	0.45	0.47	0.09	92/130/53-55	A0.1228		Bau.Rest.'92p70

A0414	cdrum	doric	mar	0.24	0.18	0.13	92/130/53-55	A0.1229	Bau.Rest.'92p70
A0415	cdrum	doric	mar	0.15	0.10	0.07	92/130/53-55	A0.1231	Bau.Rest.'92p70
A0416	cdrum	doric	mar	0.27	0.20	0.09	92/130/53-55	A0.1236	Bau.Rest.'92p70
A0417	cdrum	doric	mar	0.19	0.11	0.05	92/130/53-55	A0.1237	Bau.Rest.'92p70
A0418	cdrum	doric	mar	0.20	0.17	0.06	92/130/53-55	A0.1238	Bau.Rest.'92p70
A0419	cdrum	doric	mar	0.24	0.17	0.05	92/130/53-55	A0.1239	Bau.Rest.'92p70
A0420	cdrum	doric	mar	0.37	0.36	0.1	92/130/53-55	A0.1240	Bau.Rest.'92p70
A0421	cdrum	doric	mar	0.41	0.22	0.12	92/130/53-55	A0.1241	Bau.Rest.'92p70
A0422	unknow		mar	0.13	0.13	0.06	92/130/53-55	A0.1242	Bau.Rest.'92p70
A0423	cdrum	doric	mar	0.26	0.13	0.06	92/130/53-55	A0.1243	Bau.Rest.'92p70
A0424	unknow		mar	0.30	0.18	0.1	92/130/53-55	A0.1244	Bau.Rest.'92p70
A0425	unknow		mar	0.26	0.13	0.06	92/130/53-55	A0.1245	Bau.Rest.'92p70
A0426	unknow		mar	0.22	0.19	0.04	92/130/53-55	A0.1246	Bau.Rest.'92p70
A0427	unknow		mar	0.15	0.15	0.05	92/130/53-55	A0.1247	Bau.Rest.'92p70
A0428	unknow		mar	0.30	0.18	0.07	92/130/53-55	A0.1248	Bau.Rest.'92p70
A0429	unknow		mar	0.24	0.20	0.07	92/130/53-55	A0.1249	Bau.Rest.'92p70
A0430	unknow		mar	0.12	0.09	0.05	92/130/53-55	A0.1250	Bau.Rest.'92p70
A0431	unknow		mar	0.15	0.10	0.35	92/130/53-55	A0.1251	Bau.Rest.'92p70
A0432	unknow		mar	0.18	0.11	0.06	92/130/53-55	A0.1252	Bau.Rest.'92p70
A0433	unknow		mar	0.21	0.12	0.04	92/130/53-55	A0.1253	Bau.Rest.'92p70
A0434	cdrum	doric	mar	0.21	0.20	0.06	92/130/53-55	A0.1254	Bau.Rest.'92p70
A0435	unknow		mar	0.22	0.09	0.07	92/130/53-55	A0.1255	Bau.Rest.'92p70
A0436	cdrum	doric	mar	0.21	0.14	0.05	92/130/53-55	A0.1256	Bau.Rest.'92p70
A0437	unknow		mar	0.13	0.10	0.06	92/130/53-55	A0.1257	Bau.Rest.'92p70
A0438	unknow		mar	0.16	0.15	0.07	92/130/53-55	A0.1258	Bau.Rest.'92p70
A0439	unknow		mar	0.14	0.13	0.11	92/130/53-55	A0.1259	Bau.Rest.'92p70
A0440	cdrum	doric	mar	0.14	0.12	0.05	92/130/53-55	A0.1260	Bau.Rest.'92p70
A0441	unknow		mar	0.23	0.13	0.06	92/130/53-55	A0.1261	Bau.Rest.'92p70
A0442	unknow		mar	0.17	0.95	0.06	92/130/53-55	A0.1262	Bau.Rest.'92p70
A0443	unknow		mar	0.37	0.12	0.05	92/130/53-55	A0.1263	Bau.Rest.'92p70
A0444	unknow		mar	0.27	0.17	0.06	92/130/53-55	A0.1264	Bau.Rest.'92p70
A0445	cdrum	doric	mar	0.28	0.26	0.12	92/130/53-55	A0.1265	Bau.Rest.'92p70
A0446	unknow		mar	0.34	0.19	0.12	92/130/53-55	A0.1266	Bau.Rest.'92p70
A0447	unknow		mar	0.23	0.20	0.03	92/130/53-55	A0.1267	Bau.Rest.'92p70
A0448	unknow		mar	0.20	0.17	0.1	92/130/53-55	A0.1268	Bau.Rest.'92p70
A0449	coffer		mar	0.35	0.22	0.08	92/130/53-55	A0.1269	Bau.Rest.'92p70
A0450	unknow		mar	0.31	0.27	0.26	92/130/53-55	A0.1270	Bau.Rest.'92p70

App. 4 (Part 2)
Continuation

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A0451	unknow		mar	0.20	0.16	0.07	92/130/53-55	A0.1271	Bau.Rest.'92p70
A0452	unknow		mar	0.27	0.16	0.08	92/130/53-55	A0.1272	Bau.Rest.'92p70
A0453	unknow		mar	0.50	0.33	0.1	92/130/53-55	A0.1273	Bau.Rest.'92p70
A0454	unknow		mar	0.33	0.22	0.09	92/130/53-55	A0.1274	Bau.Rest.'92p70
A0455	unknow		mar	0.24	0.23	0.11	92/130/53-55	A0.1275	Bau.Rest.'92p70
A0456	unknow		mar	0.19	0.18	0.07	92/130/53-55	A0.1276	Bau.Rest.'92p70
A0457	unknow		mar	0.28	0.19	0.12	92/130/53-55	A0.1277	Bau.Rest.'92p70
A0458	unknow		mar	0.38	0.20	0.17	92/130/53-55	A0.1278	Bau.Rest.'92p70
A0459	unknow		mar	0.32	0.25	0.11	92/130/53-55	A0.1279	Bau.Rest.'92p70
A0460	unknow		mar	0.46	0.24	0.12	92/130/53-55	A0.1280	Bau.Rest.'92p70
A0461	unknow		mar	0.34	0.31	0.09	92/130/53-55	A0.1281	Bau.Rest.'92p70
A0462	roofti		mar	0.18	0.12	0.07	92/130/53-55	A0.1282	Bau.Rest.'92p70
A0463	cdrum	doric	mar	0.18	0.16	0.11	92/130/53-55	A0.1283	Bau.Rest.'92p70
A0464	coffer		mar	0.23	0.17	0.11	92/130/53-55	A0.1284	Bau.Rest.'92p70
A0465	unknow		mar	0.32	0.18	0.06	92/130/53-55	A0.1285	Bau.Rest.'92p70
A0466	unknow		mar	0.16	0.12	0.05	92/130/53-55	A0.1286	Bau.Rest.'92p70
A0467	unknow		mar	0.30	0.25	0.05	92/130/53-55	A0.1287	Bau.Rest.'92p70
A0468	unknow		mar	0.21	0.17	0.09	92/130/53-55	A0.1288	Bau.Rest.'92p70
A0469	unknow		mar	0.23	0.19	0.06	92/130/53-55	A0.1289	Bau.Rest.'92p70
A0470	unknow		mar	0.21	0.13	0.05	92/130/53-55	A0.1290	Bau.Rest.'92p70
A0471	unknow		mar	0.22	0.21	0.07	92/130/53-55	A0.1291	Bau.Rest.'92p70
A0472	unknow		mar	0.21	0.16	0.08	92/130/53-55	A0.1292	Bau.Rest.'92p70
A0473	unknow		mar	0.24	0.21	0.06	92/130/53-55	A0.1293	Bau.Rest.'92p70
A0474	unknow		mar	0.20	0.16	0.09	92/130/53-55	A0.1294	Bau.Rest.'92p70
A0475	unknow		mar	0.20	0.17	0.08	92/130/53-55	A0.1295	Bau.Rest.'92p70
A0476	unknow		mar	0.28	0.19	0.09	92/130/53-55	A0.1296	Bau.Rest.'92p70
A0477	coffer		mar	0.28	0.24	0.23	92/130/53-55	A0.1297	Bau.Rest.'92p70
A0478	coffer		mar	0.31	0.19	0.14	92/130/53-55	A0.1298	Bau.Rest.'92p70
A0479	coffer		mar	0.27	0.22	0.1	92/130/53-55	A0.1299	Bau.Rest.'92p70
A0480	unknow		mar	0.38	0.23	0.09	92/130/53-55	A0.1335	Bau.Rest.'92p70
A0481	unknow		mar	0.28	0.21	0.08	92/130/53-55	A0.1336	Bau.Rest.'92p70
A0482	unknow		mar	0.28	0.20	0.06	92/130/53-55	A0.1337	Bau.Rest.'92p70
A0483	coffer		mar	0.40	0.25	0.16	92/130/53-55	A0.1338	Bau.Rest.'92p70
A0484	coffer		mar	0.26	0.20	0.1	92/130/53-55	A0.1339	Bau.Rest.'92p70
A0485	unknow		mar	0.22	0.08	0.04	92/130/53-55	A0.1340	Bau.Rest.'92p70
A0486	unknow		mar	0.29	0.19	0.08	92/130/53-55	A0.1341	Bau.Rest.'92p70
A0487	unknow		mar	0.18	0.06	0.07	92/130/53-55	A0.1342	Bau.Rest.'92p70

A0488	unknow		mar	0.23	0.09	0.07	92/130/53-55	A0.1343	Bau.Rest.'92p70
A0489	unknow		mar	0.15	0.13	0.05	92/130/53-55	A0.1344	Bau.Rest.'92p70
A0490	cdrum	doric	mar	0.19	0.08	0.05	92/130/53-55	A0.1345	Bau.Rest.'92p70
A0491	cdrum	doric	mar	0.24	0.21	0.11	92/130/53-55	A0.1346	Bau.Rest.'92p70
A0492	cdrum	doric	mar	0.29	0.12	0.07	92/130/53-55	A0.1347	Bau.Rest.'92p70
A0493	cdrum	doric	mar	0.23	0.14	0.08	92/130/53-55	A0.1348	Bau.Rest.'92p70
A0494	cdrum	doric	mar	0.24	0.19	0.06	92/130/53-55	A0.1349	Bau.Rest.'92p70
A0495	cdrum	doric	mar	0.20	0.17	0.1	92/130/53-55	A0.1350	Bau.Rest.'92p70
A0496	cdrum	doric	mar	0.31	0.13	0.1	92/130/53-55	A0.1351	Bau.Rest.'92p70
A0497	cdrum	doric	mar	0.40	0.18	0.16	92/130/53-55	A0.1352	Bau.Rest.'92p70
A0498	unknow		mar	0.66	0.41	0.38	92/130/53-55	A0.1353	Bau.Rest.'92p70
A0499	unknow		mar	0.30	0.21	0.05	92/130/53-55	A0.1354	Bau.Rest.'92p70
A0500	unknow		mar	0.13	0.09	0.1	92/130/53-55	A0.1095	Bau.Rest.'92p70
A0501	unknow		mar	0.13	0.10	0.08	92/130/53-55	A0.1096	Bau.Rest.'92p70
A0502	unknow		mar	0.23	0.16	0.07	92/130/53-55	A0.1097	Bau.Rest.'92p70
A0503	cdrum	doric	mar	0.33	0.26	0.26	92/130/53-55	A0.1099	Bau.Rest.'92p70
A0504	unknow		mar	0.22	0.20	0.07	92/130/53-55	A0.1100	Bau.Rest.'92p70
A0505	unknow		mar	0.21	0.11	0.09	92/130/53-55	A0.1141	Bau.Rest.'92p70
A0506	unknow		mar	0.41	0.30	0.13	92/130/53-55	A0.1101	Bau.Rest.'92p70
A0507	unknow		mar	0.31	0.15	0.05	92/130/53-55	A0.1102	Bau.Rest.'92p70
A0508	unknow		mar	0.24	0.13	0.07	92/130/53-55	A0.1103	Bau.Rest.'92p70
A0509	unknow		mar	0.21	0.18	0.07	92/130/53-55	A0.1104	Bau.Rest.'92p70
A0510	unknow		mar	0.23	0.13	0.1	92/130/53-55	A0.1105	Bau.Rest.'92p70
A0511	unknow		mar	0.12	0.10	0.05	92/130/53-55	A0.1106	Bau.Rest.'92p70
A0512	roofti		mar	0.23	0.17	0.06	92/130/53-55	A0.1107	Bau.Rest.'92p71
A0513	unknow		mar	0.25	0.12	0.07	92/130/53-55	A0.1108	Bau.Rest.'92p71
A0514	unknow		mar	0.15	0.06	0.07	92/130/53-55	A0.1109	Bau.Rest.'92p71
A0515	cdrum	doric	mar	0.22	0.16	0.08	92/130/53-55	A0.1110	Bau.Rest.'92p71
A0516	cdrum	doric	mar	0.15	0.16	0.06	92/130/53-55	A0.1111	Bau.Rest.'92p71
A0517	cdrum	doric	mar	0.28	0.15	0.06	92/130/53-55	A0.1112	Bau.Rest.'92p71
A0518	unknow		mar	0.20	0.10	0.07	92/130/53-55	A0.1113	Bau.Rest.'92p71
A0519	unknow		mar	0.38	0.22	0.08	92/130/53-55	A0.1114	Bau.Rest.'92p71
A0520	unknow		mar	0.23	0.09	0.1	92/130/53-55	A0.1115	Bau.Rest.'92p71
A0521	unknow		mar	0.18	0.09	0.06	92/130/53-55	A0.1116	Bau.Rest.'92p71
A0522	unknow		mar	0.27	0.16	0.05	92/130/53-55	A0.1117	Bau.Rest.'92p71
A0523	unknow		mar	0.33	0.29	0.08	92/130/53-55	A0.1118	Bau.Rest.'92p71
A0524	unknow		mar	0.33	0.32	0.27	92/130/53-55	A0.1119	Bau.Rest.'92p71

App. 4 (Part 2)
Continuation

App. 4 (Part 2)
Continuation

A0525	unknow		mar	0.48	0.25	0.13	92/130/53-55	A0.1121	Bau.Rest.'92p71
A0526	coffer		mar	0.52	0.32	0.2	92/130/53-55	A0.1120	Bau.Rest.'92p71
A0527	unknow		mar	0.35	0.22	0.11	92/130/53-55	A0.1122	Bau.Rest.'92p71
A0528	unknow		mar	0.31	0.20	0.06	92/130/53-55	A0.1123	Bau.Rest.'92p71
A0529	unknow		mar	0.27	0.14	0.06	92/130/53-55	A0.1124	Bau.Rest.'92p71
A0530	unknow		mar	0.21	0.18	0.04	92/130/53-55	A0.1125	Bau.Rest.'92p71
A0531	unknow		mar	0.25	0.23	0.09	92/130/53-55	A0.1126	Bau.Rest.'92p71
A0532	unknow		mar	0.26	0.30	0.05	92/130/53-55	A0.1127	Bau.Rest.'92p71
A0533	unknow		mar	0.31	0.27	0.09	92/130/53-55	A0.1128	Bau.Rest.'92p71
A0534	cdrum	doric	mar	0.14	0.10	0.06	92/130/53-55	A0.1129	Bau.Rest.'92p71
A0535	cdrum	doric	mar	0.19	0.16	0.06	92/130/53-55	A0.1130	Bau.Rest.'92p71
A0536	cdrum	doric	mar	0.16	0.12	0.06	92/130/53-55	A0.1131	Bau.Rest.'92p71
A0537	cdrum	doric	mar	0.20	0.08	0.05	92/130/53-55	A0.1132	Bau.Rest.'92p71
A0538	cdrum	doric	mar	0.16	0.95	0.03	92/130/53-55	A0.1133	Bau.Rest.'92p71
A0539	cdrum	doric	mar	0.28	0.11	0.06	92/130/53-55	A0.1134	Bau.Rest.'92p71
A0540	unknow		mar	0.14	0.11	0.1	92/130/53-55	A0.1135	Bau.Rest.'92p71
A0541	cdrum	doric	mar	0.33	0.22	0.08	92/130/53-55	A0.1136	Bau.Rest.'92p71
A0542	cdrum	doric	mar	0.39	0.19	0.17	92/130/53-55	A0.1137	Bau.Rest.'92p71
A0543	cdrum	doric	mar	0.22	0.17	0.06	92/130/53-55	A0.1138	Bau.Rest.'92p71
A0544	unknow		mar	0.15	0.16	0.16	92/130/53-55	A0.1139	Bau.Rest.'92p71
A0545	unknow		mar	0.13	0.11	0.05	92/130/53-55	A0.1140	Bau.Rest.'92p71
A0546	unknow		mar	0.17	0.08	0.03	92/130/53-55	A0.1141	Bau.Rest.'92p71
A0547	cdrum	doric	mar	0.38	0.24	0.11	92/130/53-55	A0.1142	Bau.Rest.'92p71
A0548	cdrum	doric	mar	0.23	0.13	0.05	92/130/53-55	A0.1143	Bau.Rest.'92p71
A0549	cdrum	doric	mar	0.20	0.13	0.06	92/130/53-55	A0.1144	Bau.Rest.'92p71
A0550	cdrum	doric	mar	0.24	0.15	0.06	92/130/53-55	A0.1145	Bau.Rest.'92p71
A0551	unknow		mar	0.22	0.11	0.06	92/130/53-55	A0.1146	Bau.Rest.'92p71
A0552	unknow		mar	0.15	0.11	0.07	92/130/53-55	A0.1147	Bau.Rest.'92p71
A0553	unknow		mar	0.14	0.05	0.05	92/130/53-55	A0.1148	Bau.Rest.'92p71
A0554	unknow		mar	0.12	0.05	0.03	92/130/53-55	A0.1149	Bau.Rest.'92p71
A0555	unknow		mar	0.20	0.08	0.07	92/130/53-55	A0.1150	Bau.Rest.'92p71
A0556	cdrum	doric	mar	0.13	0.11	0.05	92/130/53-55	A0.1151	Bau.Rest.'92p71
A0557	cdrum	doric	mar	0.20	0.13	0.08	92/130/53-55	A0.1152	Bau.Rest.'92p71
A0558	roofti		mar	0.17	0.13	0.09	92/130/53-55	A0.1153	Bau.Rest.'92p71
A0559	unknow		mar	0.23	0.17	0.06	92/130/53-55	A0.1154	Bau.Rest.'92p71
A0560	unknow		mar	0.16	0.17	0.08	92/130/53-55	A0.1155	Bau.Rest.'92p71
A0561	unknow		mar	0.20	0.18	0.06	92/130/53-55	A0.1156	Bau.Rest.'92p71

A0562	cdrum	doric		mar	0.47	0.18	0.13	92/130/53-55	A0.1157	Bau.Rest.'92p71
A0563	unknow			mar	0.19	0.14	0.07	92/130/53-55	A0.1158	Bau.Rest.'92p71
A0564	unknow			mar	0.13	0.10	0.04	92/130/53-55	A0.1159	Bau.Rest.'92p71
A0565	unknow			mar	0.18	0.14	0.05	92/130/53-55	A0.1160	Bau.Rest.'92p71
A0566	unknow			mar	0.25	0.13	0.09	92/130/53-55	A0.1161	Bau.Rest.'92p71
A0567	unknow			mar	0.47	0.26	0.07	92/130/53-55	A0.1164	Bau.Rest.'92p71
A0568	cdrum	doric		mar	0.21	0.14	0.05	92/130/53-55	A0.1163	Bau.Rest.'92p71
A0569	cdrum	doric		mar	0.38	0.19	0.06	92/130/53-55	A0.1162	Bau.Rest.'92p71
A0570	unknow			mar	0.25	0.28	0.1	92/130/53-55	A0.1165	Bau.Rest.'92p71
A0571	unknow			mar	0.26	0.33	0.46	92/130/53-55	A0.1232	Bau.Rest.'92p71
A0572	unknow			mar	0.42	0.43	0.3	92/130/53-55	A0.1233	Bau.Rest.'92p71
A0573	unknow			mar	0.44	0.32	0.29	92/130/53-55	A0.1234	Bau.Rest.'92p71
A0574	unknow			mar	0.50	0.38	0.13	92/130/53-55	A0.1235	Bau.Rest.'92p71
A0575	cdrum	doric		mar	0.50	0.35	0.2	92/130/53-55	A0.1309	Bau.Rest.'92p71
A0576	unknow			mar	0.65	0.46	0.6	92/130/53-55	A0.1319	Bau.Rest.'92p71
A0577	unknow			mar	0.46	0.40	0.3	92/130/53-55	A0.1329	Bau.Rest.'92p71
A0580	cornic	doric		mar	0.09	0.06	0.03		E4.645	E4'93
A0603	archit	doric		mar	0.26	0.20	0.05		E4.624	E4'93
A0656	roofti			mar	0.21	0.14	0.07		K/L4.105	K/L4'95
A0657	cdrum	doric		mar	0.00	0.00	0		E3.174	E3?
A0658	pbase		cella	mar	0.23	**0.16**	**0.05**		E3.91	E3'95

App. 4 (Part 2)
Continuation

App. 4 (Part 2)
Continuation

BOULEUTERION

INVNO	TYPE	ORDER	MAT	WIDTH	HEIGHT	DEPTH	SFNO	DWG NO	NOTEBOOK
A0094	string		mar	**0.58**	**0.26**	**0.44**	I9.1.2		I9 '91 p5
A0095	jamb		mar	**0.77**	**0.38**	**0.52**	I9.1.3	616	I9'91
A0096	cornic	doric	mar	**1.20**	**0.30**	**0.72**	I9.1.6	251	I9 '91 p13
A0097	cornic	doric	mar	**1.17**	**0.30**	**0.81**	I9.1.7	253	I9 '91 p13
A0098	cdrum	doric	mar	**0.60**	**1.35**	**0.6**	I9.1.8		I9 '91 p13
A0099	cornic	doric	mar	**0.83**	**0.25**	**0.67**	I9.1.9	255	I9 '91 p13
A0100	cornic		lim	**1.17**	**0.48**	1.56	I9.2.2	601	I9 '91 p19
A0101	cornic		lim	**1.15**	**0.47**	1.54	I9.2.3		I9 '91 p19
A0102	cornic		lim	1.20	**0.45**	0.66	I9.2.4	1002	I9 '91 p19
A0103	cornic		lim	1.06	**0.60**	0.92	I9.2.5		I9 '91 p19
A0104	cornic		lim	**1.14**	**0.51**	1.65	I9.2.6		I9 '91 p19
A0105	frieze	doric	lim	1.17	**0.67**	**0.4**	I9.2.7	602	I9 '91 p20
A0106	cornic		lim	0.64	0.30	0.66	I9.2.8	615	I9 '91 p20
A0107	archit	doric	lim	0.90	**0.47**	1.22	I9.2.9	778	I9 '91 p20
A0108	jamb		mar	**0.70**	**0.35**	**0.36**	I9.2.10	613	I9 '91 p20
A0109	wall		lim	**0.77**	**0.49**	**0.67**	I9.2.11	858	I9 '91 p20
A0110	wall		lim	0.86	0.50	0.7	I9.2.12		I9 '91 p21
A0111	wall		lim	**0.97**	**0.50**	**0.58**	I9.2.14	860	I9 '91 p21
A0112	sill		mar	0.84	**0.25**	**0.76**	I9.3.2	610	I9 '91 p24
A0113	cornic		lim	1.10	**0.44**	0.9	I9.1.15		I9 '91 p33
A0114	sill		mar	1.04	**0.26**	**0.82**	I9.4.2	610	I9 '91 p33
A0115	frieze	doric	lim	1.00	**0.67**	**0.4**	I9.5.2	614	I9 '91 p33
A0116	archit	doric	lim	0.26	0.21	0.16	I9.5.3	856	I9 '91 p33
A0117	cornic		lim	0.88	0.27	0.6	I9.5.4	612	I9 '91 p37
A0118	frieze	doric	lim	1.00	**0.67**	**0.38**	I9.5.5	611	I9 '91 p38
A0119	string	doric	mar	**0.84**	**0.29**	**0.79**	I9.1.17	603	I9 '91 p41
A0120	cdrum	doric	mar	**0.58**	1.80	**0.58**	I9.1.18		I9 '91 p41
A0121	cornic	doric	mar	**1.15**	**0.32**	**0.8**	I9.1.19	262	I9 '91 p41,170
A0122	cornic	doric	mar	**0.73**	**0.27**	**0.68**	I9.1.20	258	I9 '91 p41
A0123	cornic	doric	mar	**1.19**	**0.28**	**0.72**	I9.1.21	254	I9 '91 p41
A0124	cornic	doric	mar	**1.10**	**0.31**	**0.79**	I9.1.22	263	I9 '91 p42,170
A0125	wall		lim	**0.72**	**0.30**	0.58	I9.5.7	854	I9 '91 p42
A0126	wall		lim	**0.87**	0.37	0.29	I9.5.8		I9 '91 p42
A0127	frieze	doric	lim	0.66	**0.68**	**0.45**	I9.5.9		I9 '91 p42

A0128	frieze	doric	lim	0.48	**0.70**	**0.34**	I9.5.12		I9 '91 p49
A0129	cap	doric	lim	0.49	0.20	0.49	I9.1.23		I9 '91 p51
A0130	frieze	doric	lim	0.81	**0.70**	**0.38**	I9.5.13	855	I9 '91 p49,52
A0131	cdrum	doric	mar	**0.64**	0.93	**0.64**	I9.5.14		I9 '91 p55
A0132	cdrum	doric	mar	**0.60**	**1.44**	**0.58**	I9.1.25	802	I9 '91 p79
A0133	cdrum	doric	mar	**0.66**	0.90	**0.66**	I9.1.26		I9 '91 p79
A0134	cornic		lim	**1.15**	**0.50**	1.66	I9.1.27	150	I9 '91 p79
A0135	cornic		lim	0.60	**0.42**	0.6	I9.1.28		I9 '91 p79
A0136	pedime		lim	**1.15**	**0.45**	**1.25**	I9.1.29		I9 '91 p115
A0137	wall		lim	**1.22**	**0.66**	**0.22**	I8/9.52.2	852	I9 '91 p120
A0138	wall		lim	**1.09**	**0.33**	**0.72**	I8/9.52.3	850	I9 '91 p120
A0139	frieze	doric	lim	1.25	**0.68**	**0.39**	I8/9.58.2	800	I9 '91 p120
A0140	cornic		lim	**1.12**	**0.44**	**1.67**	I8/9.58.3	801	I9 '91 p120
A0141	wall		lim	**0.70**	**0.70**	**0.5**	I8/9.58.4		I9 '91 p120
A0142	cornic		lim	**1.15**	**0.32**	0.85	I8/9.62.4		I9 '91 p121
A0143	archit	doric	mar	1.02	**0.40**	**0.63**	I8/9.65.4	607	I9 '91 p125
A0144	cap	doric	mar	0.52	0.40	0.5	I8/9.65.5	853	I9 '91 p125
A0145	archit	doric	mar	1.24	**0.32**	**0.57**	I8/9.65.5	604	I9 '91 p142
A0146	cornic	doric	mar	0.77	**0.30**	**0.87**	I8/9.68.3	608	I9 '91 p142
A0147	frieze	doric	lim	0.46	**0.67**	**0.48**	I9.1.30	862	I9 '91 p173
A0148	frieze	doric	lim	0.55	**0.65**	**0.32**	I9.1.31		I9 '91 p173
A0149	cornic	doric	mar	1.07	**0.28**	**0.71**	I9.1.32		I9 '91 p173
A0150	col	doric	mar	0.60	0.27	0.6	I9.56.2		I9 '91 p173
A0151	mould		mar	0.28	0.25	0.16	I9.56.3		I9 '91 p173
A0154	cornic	doric	lim	**0.58**	**0.49**	**1.73**	I9.2.15	851	I9 '91 p21
A0155	cornic	doric	lim	**1.85**	**0.60**	**1.93**	I9.1.34	861	I9 '91 p173
I0005	inscri		mar	0.15	1.06	0.19	I8/9.65.2		I9 '91 p121
I0008	archit		mar	0.00	0.00	0	H10.6		H10 '92 p6

App. 4 (Part 2)
Continuation

App. 4 (Part 2)
Continuation

ODEION

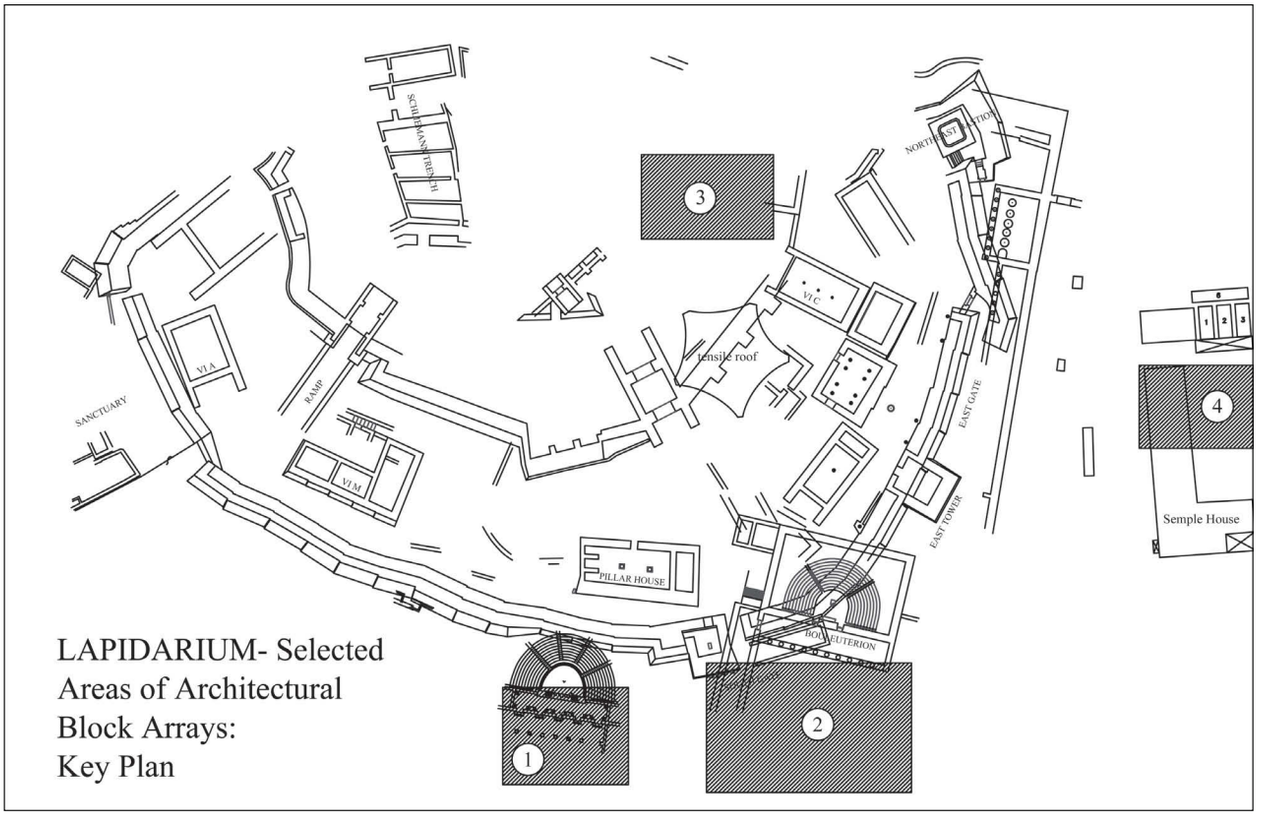
INVNO	TYPE	ORDER	BLDGTOPO	MAT	WIDTH	HEIGHT	DEPTH	SFNO	DWG NO	NOTEBOOK
A0069	cbase		alae1	mar	**0.58**	**0.22**	**0.58**	E10.1A	515	Blegen
A0070	cbase		alae1	mar	**0.59**	**0.22**	**0.59**	E10.2A		Blegen
A0071	col		alae1	cma	**0.46**	0.63	**0.46**	E10.3A	514	Blegen
A0072	cdrum		scfron	cma	**0.43**	**1.46**	**0.43**	E10.4A	600	Blegen
A0073	cdrum		scfron	cma	0.39	1.20	0.39	E10.5A	757	Blegen
A0074	a + f		scfron	mar	2.79	**0.45**	**0.40**	E10.6A	45	Blegen
A0075	a + f		scfron	mar	**0.73**	**0.45**	**0.40**	E10.7A	502	Blegen
A0076	cornic		scfron	mar	**1.20**	**0.26**	**0.79**	E10.8A	507	Blegen
A0077	a + f		scfron	mar	0.77	**0.37**	**0.28**	E10.9A	509	Blegen
A0078	c + p		scfron	mar	0.80	**0.41**	**0.85**	E10.10A	510	Blegen
A0079	col		scfron	cma	**0.39**	0.79	**0.39**	E10.11A	758	Blegen
A0080	col		scfron	cma	**0.40**	0.87	**0.4**	E10.12A	750	Blegen
A0081	col		scfron	cma	**0.41**	1.02	**0.41**	E10.13A	805	Blegen
A0082	col		scfron	cma	**0.41**	1.75	**0.41**	E10.14A	804	Blegen
A0083	col		scfron	cma	**0.36**	1.50	**0.36**	E10.15A		Blegen
A0084	col		scfron	cma	**0.37**	1.45	**0.37**	E10.16A	753	Blegen
A0086	col		scfron	cma	**0.35**	1.40	**0.35**	E10.18A	751	Blegen
A0087	col		scfron	cma	**0.44**	1.80	**0.44**	E10.19A	605	Blegen
A0088	col		scfron	cma	**0.36**	0.56	**0.36**	E10.20A	752	Blegen
A0090	col		scfron	cma	**0.37**	0.70	**0.37**	E10.22A	879	Blegen
A0091	col		scfron	cma	**0.37**	0.55	**0.37**	E10.23A	803	Blegen
A0180	cap			mar	0.43				781	
A0181	cap	corint	scfron	mar	0.40	**0.30**	0.37	E10.122.4		E/F10 '93
A0581	cbase		scfron	mar	0.13	0.06	0.03	E10.1.4		E/F10 '93
A0582	revetm			mar	0.00	0.00	0	E10.5.2		E10?
A0584	cap	pergam	scfron	mar	0.16	0.10	0.04	F10.59.2		E/F10 '93
A0585	dec		scfron	mar	0.15	0.10	**0.05**	F10.49.5		E/F10 '93
A0586	cap	corint	scfron	mar	0.10	0.14	0.04	E9.8	880a	E9 '93
A0590	dec		portic	mar	0.20	0.27	**0.06**	E10.120.10		E/F10 '93
A0591	dec		portic	mar	0.15	0.30	**0.05**	E10.120.8		E/F10 '93
A0592	dec		portic	mar	0.34	0.35	**0.06**	E10.120.6		E/F10 '93
A0593	pil		scfron	mar	**0.29**	0.83	**0.03**	E10.119.3	770	E/F10 '93
A0594	pcap		scfron	mar	0.29	**0.20**	**0.08**	E10.118.2	808	E/F10 '93
A0595	pcap	pergam	scfron	mar	**0.62**	0.25	**0.11**	E10.120.16	768	E/F10 '93

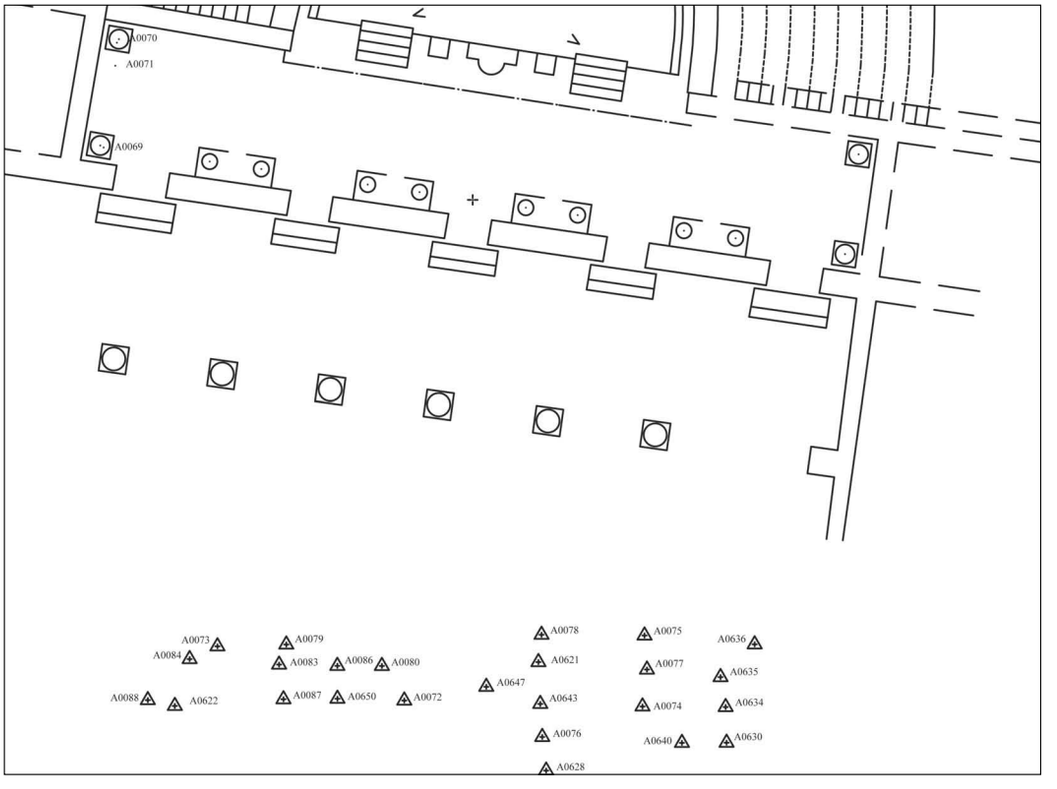
A0596	rcorni		scfron	mar	0.19	0.17	0.08	E10.109.2		E/F10 '93
A0597	col		scfron	cma	**0.31**	0.12	**0.31**	E10.112.3		E/F10 '93
A0601	base		scfron	mar	0.31	**0.10**	0.23	E10.1.2	910	E/F10 '93
A0602	cornic		scfron	mar	0.20	0.14	0.18	F10.17.4	877	E/F10 '93
A0606	cornic		scfron	mar	0.18	0.10	0.1	E10.27.4	874	E/F10 '93
A0608	col		scfron	cma	0.00	0.36	0	E10.122.2	873	E/F10 '93p205
A0609	jamb		scfron	cma	**0.75**	**0.30**	**0.03**	E10.122.3		E/F10 '93p205
A0610	col		scfron	cma	0.00	0.05	0	E10.122.7		E/F10 '93p213
A0613	cap	ionic	scfron	mar	0.15	0.06	0.12	E10.120.17	872	E/F10 '93
A0614	pcap		scfron	mar	0.09	0.08	**0.07**	E10.120.21		E/F10 '93
A0616	base		scfron	mar	**0.33**	**0.13**	**0.11**	E10.120.28		E/F10 '93
A0621	cornic		galler	mar	0.79	**0.20**	**0.43**	E9.38	511	E9 '93
A0622	col		galler	cma	**0.40**	0.69	**0.4**	E9.39	754	E9 '93
A0623	cornic		galler	mar	0.19	0.10	0.11	E9.48		E9 '93
A0624	cap	corint	scfron	mar	0.39	**0.33**	0.35	E10.24A	44	Blegen
A0625	cap	ionic	scfron	mar	0.69	**0.14**	0.69	E10.25A	43	Blegen
A0626	base		scfron	mar	0.38	**0.08**	**0.08**	E10.26A		Blegen
A0627	col		scfron	cma	**0.33**	2.14	**0.33**	E10.27A		Blegen
A0628	rc+bp		scfron	mar	**1.17**	**0.32**	**0.92**	E10.28A	503	Blegen
A0629	col		scfron	cma	**0.44**	1.30	**0.44**	E10.29A	806	Blegen
A0630	cimaci		orches	mar	**0.80**	**0.11**	**0.7**	E10.30A	807	Blegen
A0631	base		alae	mar	**1.75**	**0.14**	**0.08**	E10.31A		Blegen
A0634	cimaci		orches	mar	**1.07**	**0.10**	**0.74**	E10.32A	504	Blegen
A0635	cimaci		orches	mar	**1.07**	**0.10**	**0.87**	E10.33A	505	Blegen
A0636	cimaci		orches	mar	**1.07**	**0.08**	**0.66**	E10.34A	506	Blegen
A0637	cap	pergam	scfron	mar	**0.43**	**0.40**	0.42	E10.35A	881a, b	Blegen
A0638	pbase		scfron	mar	**0.42**	0.14	0.19	E10.120.2		E/F10 '93
A0639	pil		scfron	mar	0.18	0.37	**0.04**	E10.120.12		E/F10 '93
A0640	a + f		scfron	mar	1.09	**0.37**	**0.3**	E10.120.14	501	E/F10 '93
A0641	pil		scfron	mar	0.18	0.41	**0.03**	E10.120.19		E/F10 '93
A0642	pil		scfron	mar	0.12	0.18	**0.03**	E10.120.23		E/F10 '93
A0643	cornic		scfron	mar	1.22	**0.17**	**0.36**	E10.120.24	508	E/F10 '93
A0644	a + f		scfron	mar	0.52	0.11	0.3	E10.120.25		E/F10 '93
A0645	base		scfron	mar	**0.34**	**0.11**	**0.13**	E10.120.29		E/F10 '93
A0646	cimaci		scfron	mar	0.24	**0.09**	**0.1**	E10.120.36		E/F10 '93
A0647	col		scfron	gra	0.31	0.95	0.31	E10.122.8	755	E/F10 '93
A0648	pil		scfron	mar	**0.28**	0.20	**0.03**	F10.124.3		E/F10 '93

App. 4 (Part 2)
Continuation

App. 4 (Part 2)
Continuation

A0649	cbase		scfron	mar	0.35	**0.16**	0.35	F10.87.3		E/F10 '93
A0650	col		portic	cma	0.52	1.28	0.52	F10.124.4	606	E/F10 '93
A0687	unknow		scfron	mar	0.36	**0.09**	0.35	E/F10.156.2	765	E/F10'97
A0690	base		scfron	mar	**0.60**	**0.22**	**0.4**	E/F10.162.3	766	E/F10'97
A0695	base		scfron	mar	0.33	**0.08**	0.42	E/F10.163.3	764	E/F10'97
A0696	cornic		portic	mar	0.70	**0.27**	0.39	E/F10.158.4	763	E/F10'97
A0697	mould			mar	1.01	**0.18**	0.66	E/F10.179.4	767	E/F10'97
A0702	cap		scfron	mar	0.16	0.14	0.11	E/F10.166.5	870	E/F10'97
A0703	pbase		scfron	mar	0.15	0.13	0.1	E/F10.166.3	859	E/F10'97
A0705	archit		scfron	mar	0.23	0.16	0.14	E/F10.165.4	833	E/F10'97
A0707	col		scfron	mar	0.33	0.13	0.16	E/F10.165.2	849	E/F10'97
A0709	pcap	compos	scfron	mar	**0.36**	**0.22**	**0.24**	E/F10.162.15	769	E/F10'97
A0712	dec		scfron	mar	0.38	0.17	**0.09**	E/F10.162.10	878	E/F10'97
A0714	cap	corint	scfron	mar	**0.43**	**0.33**	**0.43**	E/F10.162.6	774	E/F10'97
A0717	pbase		scfron	mar	**0.39**	**0.17**	**0.06**	E/F10.233.5	772	E/F10'97
A0726	col		scfron	gra	0.15	0.14	0.1	E/F10.158.2	846	E/F10'97
A0728	mould		scfron	mar	**0.41**	**0.10**	**0.09**	E/F10.162.13	618	E/F10'97
I0035	ba+f		portic	mar	0.46	0.55	**0.23**	A0.398	531	A0 '96
WD089	mould		scfron	mar	0.44	**0.12**	**0.03**	E/F10.165.3		E/F10'97
	cbase		scfron	mar	0.13	**0.16**	0.28	E/F10.164.2		E/F10'97
	archit		scfron	mar	0.23	0.16	0.14	E/F10.165.4		E/F10'97
	pcap	compos	scfron	mar	0.23	**0.19**	**0.11**	E/F10.162.9		E/F10'97
	pcap	compos	scfron	mar	0.27	**0.21**	**0.07**	E/F10.162.11		E/F10'97
	mould		scfron	mar	0.31	**0.11**	**0.08**	E/F10.162.14		E/F10'97
	pcap	compos	scfron	mar	**0.36**	**0.22**	**0.24**	E/F10.162.15		E/F10'97
	mould		scfron	mar	**0.40**	**0.10**	**0.09**	E/F10.162.12	617	E/F10'97
	cap	corint	scfron	mar	**0.43**	**0.33**	**0.43**	E/F10.162.6		E/F10'97
	cornic			mar	2.79				781	

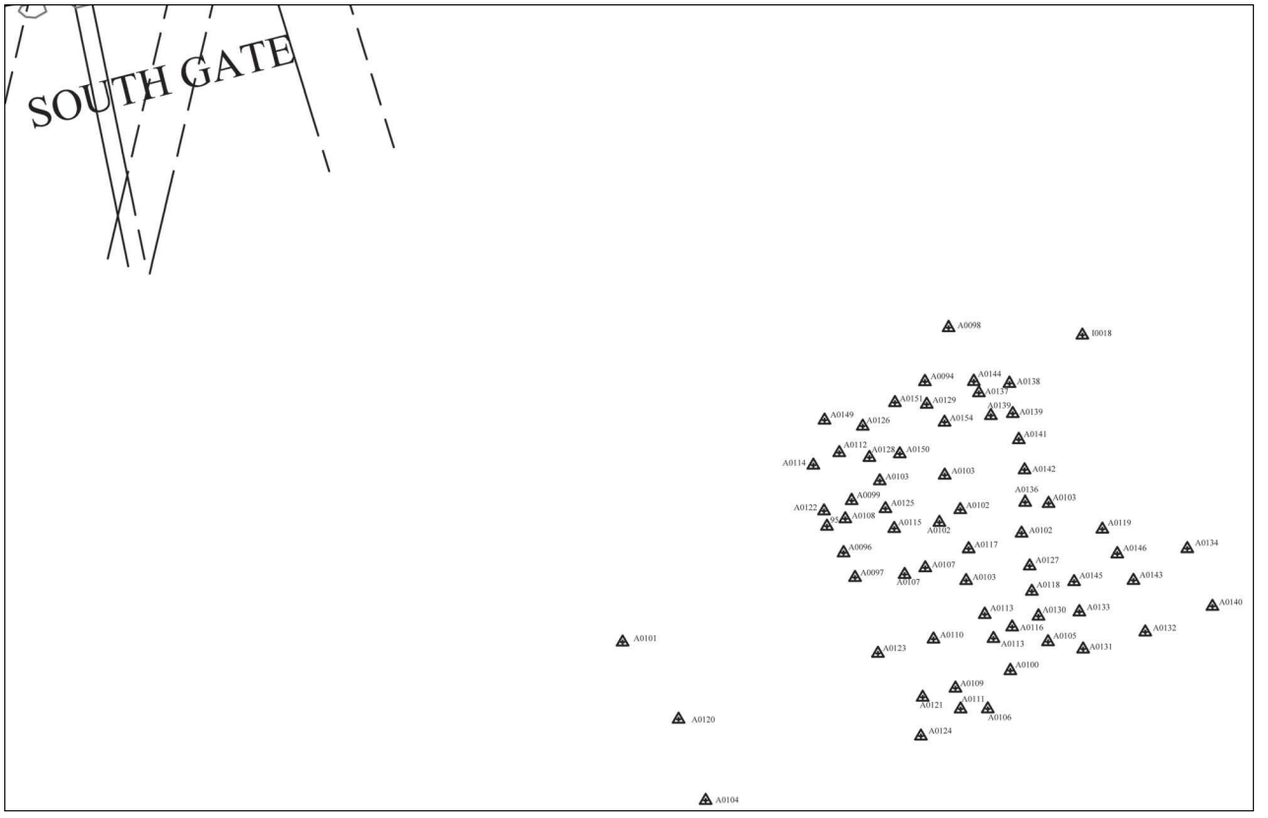




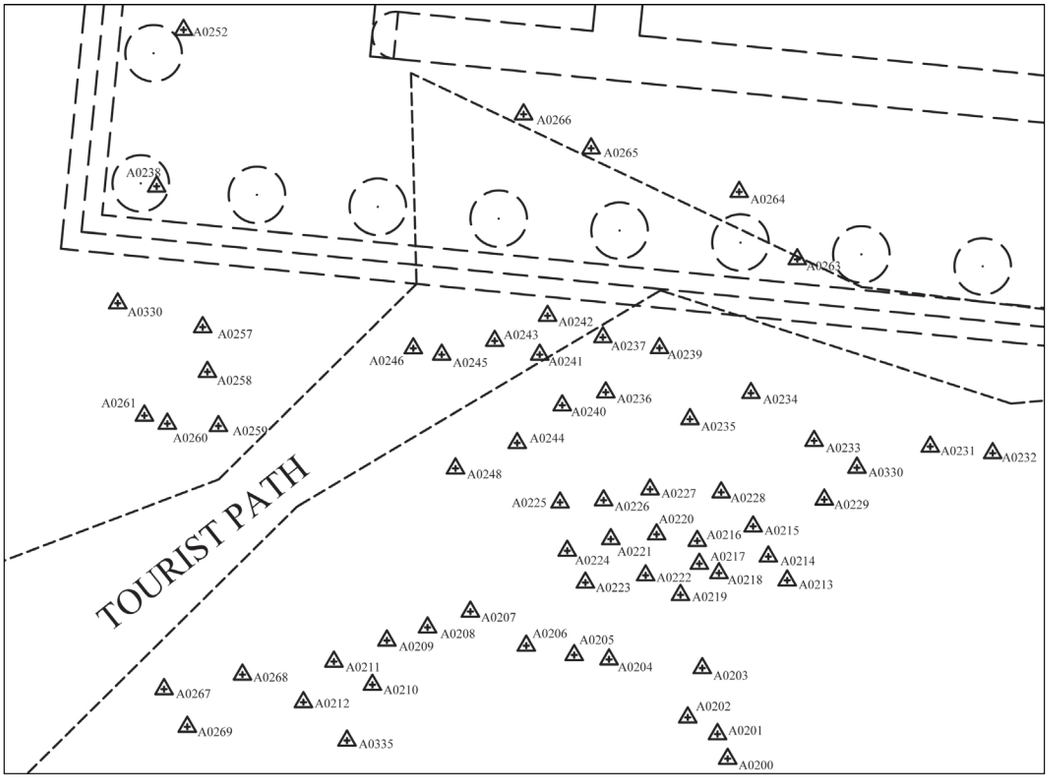
App. 5
Lapidarium plans.

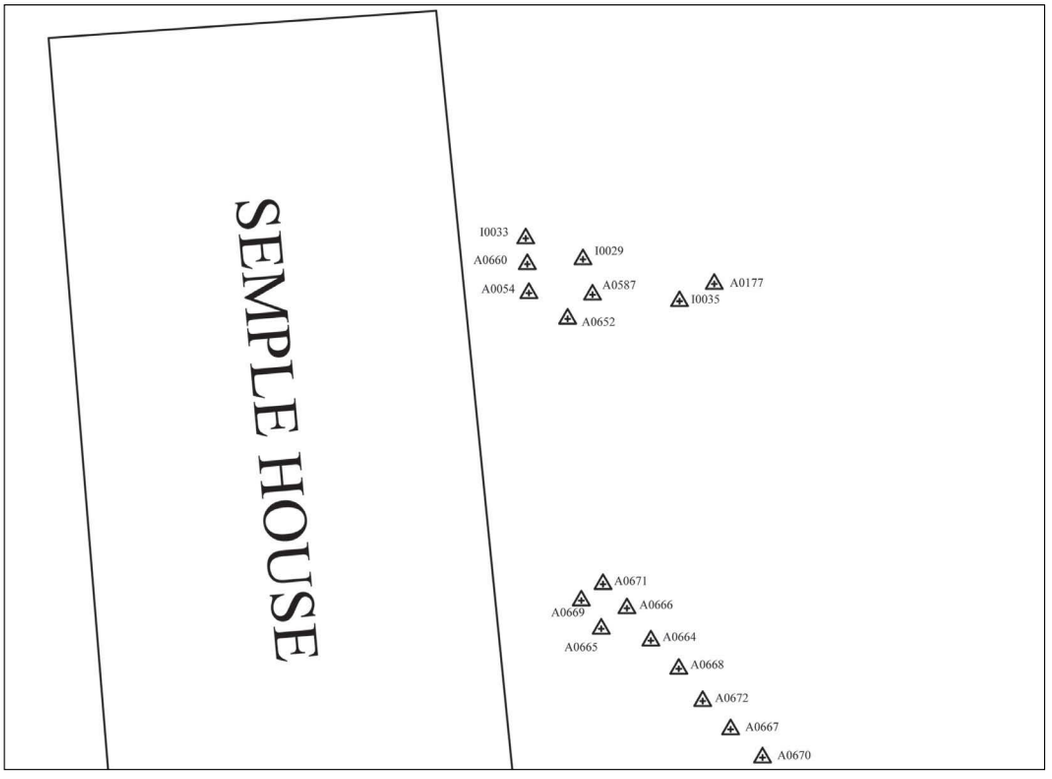
App. 6
Lapidarium plan 1.

App. 4 (Part 2)Continuation



App. 6
Lapidarium
plan 2 and 3.



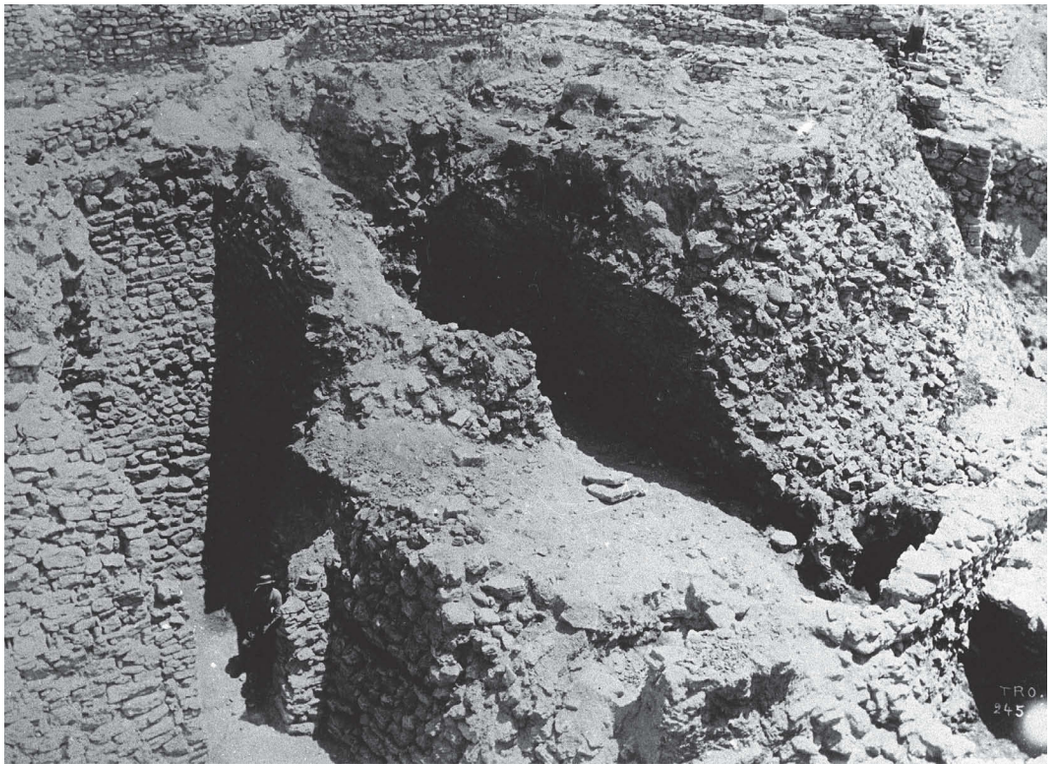


App. 6
Lapidarium
plan 4.

App. 7a
Troy I wall in Areal D4
(Dörpfeld photo 281).

App. 7b
Troy IIa fortifications, Bastion db (Dörpfeld photo 210).

App. 7c
Multi-phase Troy II fortification walls including gates and towers FH, FK, FL and FM (Dörpfeld photo 203).



App. 7d
Multi-phase Troy II fortification walls including gates and towers FH, FK, FL and FM (Dörpfeld photo 245).

App. 7e
Multi-phase Troy II fortification walls including gates and towers FH, FK, FL (Dörpfeld photo 322).

App. 7f
Troy II fortification walls with ramp and gate FM (Dörpfeld photo 201).

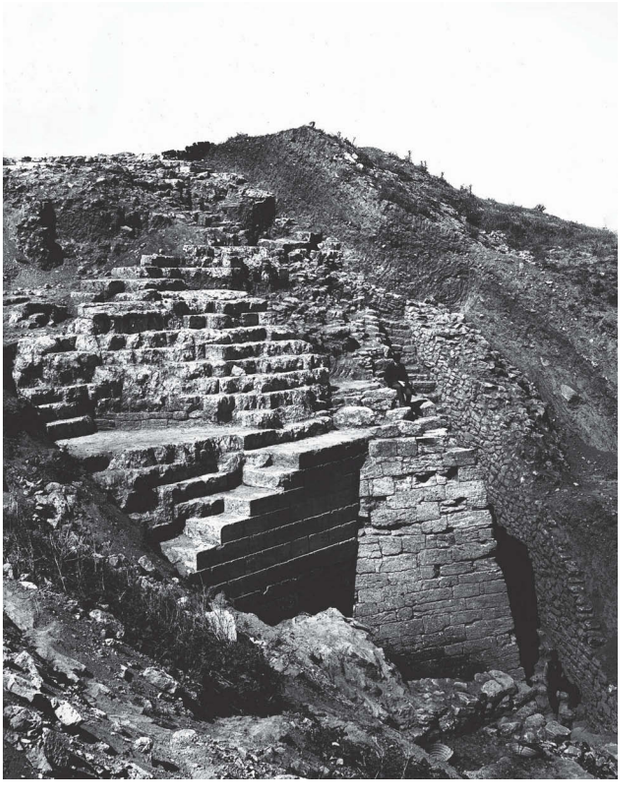
App. 7g
Troy II fortification walls with ramp and gate FM (Dörpfeld photo 202).

App. 7h
Troy II fortification walls with ramp and gate FM (Dörpfeld photo 319).

App. 7i
Troy II fortification walls with ramp and gate FM (Dörpfeld photo 496).

App. 7j
Troy VI postern gate VIg, at the Northeast Bastion
(Dörpfeld photo 482).

App. 7k u. l
Troy VI Northeast Bastion with Troy VIII stairs
(Dörpfeld photo 161 u. 162).



App. 7m
Troy VI Northeast
Bastion with
Troy VIII stairs
(Dörpfeld photo 163).

App. 7n
Troy VI Northeast
Bastion with
Troy VIII stairs
(Dörpfeld photo 164).

App. 7o
Troy VI Northeast Bastion with Troy VIII stairs (Dörpfeld photo 282).

App. 7p
Troy VI fortifications, East Gate (Dörpfeld photo 511).

PRACTICAL GUIDELINES FOR SITE CONSERVATION WORK AT TROIA: A HANDBOOK

May 1996

1. Introduction

1.1 PURPOSE OF THIS HANDBOOK

This booklet is **not** intended to summarize the theoretical or general principles of archaeological site conservation. Rather, it is meant to be **a practical guide for the day-to-day operations at Troia** for the core activities of site conservation. The current in-house *Leitfaden* for Troia is directed primarily towards the work of the archaeologists; this site conservation handbook is to be seen as a supplement to the *Leitfaden*. It is hoped that it provides essential practical information for work in this area. It is not intended to be comprehensive, however. That means that other guidelines not mentioned in this handbook may also be valid. Those seeking theoretical background information, or an idea about the general approach to site conservation at Troia thus far, are encouraged to consult the literature listed below.

1.2 SUPPLEMENTAL READING

FILGIS, MEINRAD N. and WOLFGANG MAYER. 1992. Troia – Sicherung und Konservierung der prähistorischen und historischen Bausubstanz, *Studia Troica 2*: 83-103.

HUEBER, FRIEDMUND. 1994. Konzept zur Konservierung and Präsentation des archäologischen Denkmals Troia, *Studia Troica 4*: 121-126.

STANLEY PRICE, NICHOLAS P., ed. 1984 (reprinted 1995). *Conservation and Management of Archaeological Sites*. Rome: ICCROM.

The Charter of Venice, 1964 and subsequent UNESCO Charters.

2. Organization

2.1 THE SITE CONSERVATION GROUP

The group includes all people who have anything to do with the tasks of site conservation, including building restoration. Of these there is (typically) a **core group**: architects, conservators and students of either who exert the majority of their effort at Troia for the tasks of site conservation. All artists, archaeologists, surveyors, historians, photographers, etc. who assist in these tasks are treated in a friendly and open way. The group includes the **Excavation Leader**, who is ultimately responsible for all activities at Troia by virtue of the permit granted to him by the Turkish government; the **Assistant to the Excavation Leader** (who is an overall site coordinator), the **Site Architect** and the **Head of Post-Bronze Age Excavating**, who is to be informed about and consulted on the site conservation activities.

App. 6
Practical guidelines for site conservation work at Troia: a handbook.

2.2 COORDINATION MEETINGS

The coordination meetings during the excavation season will occur every Monday at 19.00, unless otherwise scheduled.

The meeting place will be the porch of the Excavation Leader's hut (dessert is welcome!).

The primary purpose of the meeting is as follows:

- To review the progress of the preceding week
- To discuss issues effecting the work so that decisions can be made
- to insure that the leaders and the core group members are all informed

It is especially important that the old items of business be reviewed at the beginning of each meeting (until they are satisfactorily resolved) so that nothing is overlooked, and so that nothing is overlooked, and so that a group member is informed about issues in the case that he had to miss a meeting. The **core group** members should make every effort to attend these meetings, however.

2.3 EXPERTS

In the course of the work at Troia it may be necessary and desirable to consult with appropriate experts. When it is thought to be necessary to consult a **structural, mechanical or civil engineer**, the **Site Architect** will have final say as to whether the work can proceed without such engineers. The **Site Architect** should also be consulted when the work may involve consultations on **landscaping and planting**. Consultation with the necessary government authorities is the responsibility of the **Excavation Leader**.

2.4 WORKMEN

The workmen at Troia have been with us for many years, and therefore we are grateful for the continuity of service which they provide, whether master (*usta*) or normal workman. **The scheduling of the workmen on the site is the responsibility of the core group for site conservation, subject to approval by the Excavation Leader**. When requested workmen are not available for site conservation work (because the entire excavation shares a pool of workers) it must be expected that a slowdown of that work will occur.

Regrettably, past experience has shown that the site conservation group is sometimes used as a "holding area" for unassigned excavation workmen. The carefully and critically staged tasks of the site conservation work is not the place to keep jobless workmen busy. Both the quality of the work and the safety of personnel have been endangered in the past by being pressured to keep men occupied. As a suggestion for remedying this problem, unassigned workers could be occupied with the following:

- The masters (*ustalar*) with the Punch List items (see section 5.4 of this handbook)
- The normal workmen with the removal of harmful plants from the ruins, or the making of mudbricks.

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3. Documentation

3.1 BEFORE INTERVENTION

3.1.1 "As Is" documentation

Every ancient built remain must be thoroughly measured and drawn to scale (1:20, in some case 1:50 is acceptable) before any conservation work begins. By thoroughly the following is meant:

- Stone-by-stone plan,
- Complete leveling
- Area section, at least schematic
- Elevations of critical features (as required)
- A complete photographic survey

The method of measuring many points with an electronic theodolyte, or Total Station, is recommended for the following reasons:

- The greatest accuracy is ensured
- Much time is saved
- It is not necessary to go back and measure "pass points" in order to bring the plan into the computerized Master Plan

When using the Total Station, the draftsman responsible for the measuring and drawing must keep a good field sketch, made before the measuring session begins. The electronic theodolyte should **not** be used for taking levels, except when a very few levels are required. The standard niveau is more than adequate for taking levels, and as many of these machines exist on site, but only one electronic theodolyte, it is not an efficient use of equipment if the latter is used for taking levels. **All questions pertaining to the above method etc. should be directed to the Site Architect**. The documentation of cut-stone architectural blocks which are not in situ follows a different procedure at Troia (refer to the upcoming article for *Studia Troica 6*: Riorden, Elizabeth. 1996. Three-dimensional Computer Aided Drafting (CAD) in Anastylosis: a Case Study at the Odeion of Ilion.)

3.1.2 Historical analysis

Every ancient built remain must undergo a complete historical investigation before any conservation work begins. All documentation from all excavations, previous and current, should be assembled and examined. Past experience at Troia has shown that discrepancies among the various sources will be found. Resolving these discrepancies is part of the required historical analysis, and in so doing the following guidelines may help:

- Always let a **written dimension** take precedence over a **scaled dimension**, unless there is good reason to suspect the accuracy of the written dimension
- In general, the reliability of the plan of Troia by Wilhelm Dörpfeld has been demonstrated (see Messmer, Ebehard. 1992. *Studia Troica 2*, and Hueber, Friedmund and Elizabeth Riorden. 1994. *Studia Troica 4*.) **The Dörpfeld Plan** is the basis for the current Master Plan.

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- Take a conservative approach with interpretation; i.e. if one has 3 differing sets of documentation for one object, 1st **account for changes over time**, and 2nd, **rely on only that data on which all 3 sources agree**.

3.1.3 Proposed intervention

No intervention should be made in the ruin without first preparing appropriate drawings and , if necessary, study models which clearly indicate the following:

- The impact of the intervention on the site
- The available control lines for construction
- Enough detail so that time and cost estimates can be made
- Specifications for minimum standard construction assembly

As a suggestion for the first item—make numerous **site sections** at minimum scale 1:100 using the existing topographic plan (in computer) and especially showing the most likely sight lines from the tourist path and other positions to the intervention. Such an analysis is a cost-and-time-effective alternative to building study models.

3.2 DURING WORK

During the course of work, progress is documented in the **daily notebook entries** (see preprinted format sheets available for the first time in 1996) and by the weekly **progress photos** taken by the core group members. All photos are entered into **photos lists** on a daily basis as required. Any changes made from Proposed Intervention drawings (see section 3.1.3 above) are noted and should be entered as **revisions** to those drawings.

3.3 AFTER INTERVENTION

An overlay computer plan (AutoCAD) now exists which documents the areas where conservation measures have been implemented. This drawing is a file called **restplan.dwg**.

4. Preparation before the work begins

4.1 MATERIALS TESTING

Full-size **mock-ups** of proposed material assemblies should be built in the *"Bauhof"* and left exposed to weathering conditions as a test (**several alternatives**, with the variations carefully documented, should be made at the same time). Material assemblies presented as reconstructions in the ruin and **not** subjected to prior testing could make us vulnerable to criticism and could indicate to the world that we in Troia have a frivolous attitude to our work there.

4.2 COLOR MATCHING

Similar to materials testing is the matter of color matching. Any proposed intervention which involves the use of pigments requires a series of color matching panels to be constructed in the excavation house or

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"Bauhof" and brought to the pertinent part of the site for final selection. The selected panel should be available for comparison to the actual batch of color to be used. Needless to say, careful records of the color mixes must be kept.

4.3 BATCHING

When the work calls for a material to be custom mixed immediately before use, the person responsible for the work should make a batching plan; answering the following questions may help:

- What volume (approximately) of this material do I need?
- If the volume is too great to be made in one batch, do I have enough information/mock-ups/panels to make sure that my second (etc.) batch will be just like the first?
- If I think I only need to make one batch, did I add an extra 10% volume as a safety measure?

4.4 AQUISITION OF MATERIALS

The core group members should make **lists of materials** needed for the proposed work and then make sure that these materials are available as needed. This item can be discussed at the weekly meetings (see section 2.2) as required. **Under no circumstances will it be permitted to reuse antique cut-stone blocks for the restoration work**, except for their original purpose, when that can be verified.

4.5 EQUIPMENT

Before work begins the responsible supervisor should make sure that all the equipment needed is available. If a piece of equipment which is more-or-less standard (for example, a small cement-mixer) would make a certain task more efficient or even feasible, then the acquisition of such equipment should be discussed.

4.6 COST ESTIMATES AND SCHEDULING

Supervisors should form an approximate time schedule of proposed work and, where needed, estimates of costs. A proposed schedule **cannot be binding**, however, when the site conservation activities do not occur independent of the excavation as a whole.

4.7 REFERENCE MATERIALS

Members of the core group should attempt to have available at Troia any reference books, class notes etc. which could help the work.

5. Quality control and safety during the work

5.1 CONTROL LINES AND HEIGHTS

During the work the supervisor must be sure to use the appropriate surveying equipment and personnel to lay out and check the control lines for the intervention (see section 3.1.3).

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5.2 DISCREPANCIES

During the layout of the work discrepancies may be found. The Site Architect should be notified of these immediately.

5.3 REJECTED WORK

Inferior work can be rejected as the discretion of the Site Architect, Excavation leader or Head of Post-Bronze Age Excavating, if the grounds for rejection are reasonable.

5.4 THE PUNCH LIST

The Site Architect will keep an ongoing "Punch List" of the items needed to be done to correct and finish a project. Whenever there is a lag in the workmen's schedule they can be directed to these items. It may also be necessary to schedule time for the "Punch List." The List will be kept at the front of the daily notebook.

5.5 SAFETY

The safety of anyone working at Troia should not be placed in question by the demands of the work. The Site Architect should be notified of any unsafe conditions, which then will be discussed with the Excavation Leader.

6. Temporary protection

A normal part of the season's work at Troia is to provide temporary protection to fragile built remains or profiles in the trenches. When these are in tourist viewing range they should be so designed that they are not confused with reconstruction efforts, as well as functioning effectively to protect the remains from weathering. The temporary protection should be built in a neat and workmanlike fashion. If it is thought to provoke unwanted curiosity, it can be marked with signs as to its purpose.

7. Permanent reburial

Eventually some permanent reburial may occur at Troia, either as a land use consideration, or as part of the final comprehensive plan for the presentation of the ruin in a readable and maintainable way. Before any permanent reburial it should be certain that all documentation and scientific work has been completed.

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