

JAPAN INTERNATIONAL COOPERATION AGENCY


THE GOVERNMENT OF THE HASHEMITE KINGDOM OF JORDAN
THE MINISTRY OF TOURISM AND ANTIQUITIES, THE MINISTRY OF PLANNING

KARAK TOURISM DEVELOPMENT SUB-PROJECT

THE TOURISM SECTOR DEVELOPMENT PROJECT

SURVEY ON THE EXISTING BUILDING CONDITIONS

(Tourist Street Recommendations)

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Pacific Consultants International
Yamashita Sekkei Inc.

August 2000

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INTRODUCTION

To serve the design works of the sub-projects of Karak tourism development, survey works were required in The TOR of this project.

SCOPE OF SURVEY WORKS.

1. KARAK CASTLE MUSEUM

This was applied to the already existing museum space in the Karak Castle & to the adjacent room. The followings were the scope of work:

- a. plan, roof plan, internal sections & front elevation of the existing museum & adjacent room including ceiling heights, stone details & levels.
- b. List of museum collection to be exhibited
- c. Sounding & excavations in relation to the museum were implemented to define appropriate design level.

2. BUILDINGS ALONG TOURIST STREET.

This survey was applied for buildings along the tourist streets (Al-Mujamma ,Al-Saraya and Al-Malik Hussein)
The scope of work of this survey is as follows:

- SURVEY OF BUILDINGS FACADE OF BOTH SIDES OF THE STREETS

- a. Photographs of every building
- b. Drawings for all building facade

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in the Hashemite Kingdom of Jordan

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SUB-PROJECT:
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Tourist Street

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(3) DETAILED BUILDING SURVEY

The detailed building survey was applied to traditional unique buildings that open onto the area of study & can be converted to the tourism use such as hotels, restaurants , coffee shops, souvenirs ,shops, etc.

According to the JST, three building were identified for the survey and as follow:

- 1 - AL Shamayleh (1)
- 2 - AL Shamayleh and Al Madadhah
- 3 - AL Majali (1) , Al Majali (2) & Sabha

The survey was conducted to the three buildings & the existing visitor center.

- a - The plans , elevations & sections drawings of the mentioned above were prepared
- b - Photographs for the external buildings facade & the interior spaces.
- c - Structural & its conditions..

The survey report compiles all survey works and its includes all the outputs & the structural considerations.

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JUNE 2000
KARAK TOURISM DEVELOPMENT PROJECT
SURVEY REPORT
KARAK CASTLE MUSEUM

KARAK CASTLE MUSEUM

(1) LOCATION

Karak Museum is located inside Karak Castle which is situated in the southern eastern corner of the city,

(2) SITE CONDITIONS (SURVEY SUMMARY)

- The current museum is part of Karak Castle which was built around 1136 by the Crusaders and with later additions from the Islamic eras. The construction of the currently occupied museum is that of a vaulted roof. The inner space is about (36m) by (8.5m). The maximum ceiling height is about (6.7m). The thickness of the stone walls are about 4m. An adjacent chamber which is to be added to the museum is currently used as storage. It has the same construction as the museum but is smaller. Its level is higher apparently due to fill and debris. The inner space is about (24m) by (5.7m).

- The general condition of the museum and the adjacent chamber were found to be good. No restoration or retrofitting work is required from the structural view point. Any intervention on the structure is thus to be made as a result of the need to change function and thus modify existing condition.

Internal current museum area = 352 m²

Adjacent chamber area = 136 m²

Refer to architectural drawings.

(3) CONSTRAINTS

- The current entrance to museum is not comfortable, infill and debris in front of museum are currently being excavated.
- The area of the exhibition hall is not enough, an adjacent chamber which is to be added to the museum is currently used as storage and full of debris.
- The existing entrance allow the infiltration of rain to the inside of museum.

A list of the museum collection was prepared by the museum curator Mr. Khalid Al Tarawneh.

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KARAK CASTLE MUSEUM
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(4) - THE HALL OF AL-NASER DAOUD (BENEATH THE MUSEUM HALL)

(1) -GENERAL

The hall of Al-Naser Daoud is part of the Karak Castle which was built about (1226 - 1249).

The construction is that of a vaulted stone roof, with a semi-spherical dome covering part of the roof.

The inner space is about 70m by 8.5m. The maximum ceiling height is about 6.7m. The thickness of the stone walls is about 4m. The roof is overlaid by fill of about 2.5m depth. This space is now apparently used for banquets and it may be used as an expansion of the exhibition area.

(2) - INSPECTION, CURRENT CONDITION AND PROPOSED RESTORATION WORK

The general condition of the hall is fair. No major cracks are observed, however a crack is noted to extend from the floor level all the way to the bottom of a semicircular dome forming the roof. This crack is most likely due to an earthquake in antiquity. The hall is afflicted by water damping and even seepage. The continuation of this seepage threatens to erode the mortar within the wall. Waterproofing will need to be introduced. Mortar has deteriorated throughout the hall's walls. Any restoration work should reintroduce matching mortars to maintain the integrity of the wall and to isolate and thus protect whatever original mortar that remains within. It is well known that such mortars are affected by a process of carbonation which affects the parts of the mortar exposed to the atmosphere. The new mortar must be that complying with requirements of proper restoration rules. Mortars resembling original must be attempted. Lime is to be used in the mortar. No or little cement must be used. Several trials must be made before comprehensive application is to be undertaken.

The general condition of the museum and the adjacent chamber were found to be good. No restoration or retrofitting work is required from the structural view point. Any intervention on the structure is thus to be made as a result of the need to change function and thus modify existing condition.

(3) Proposed architectural and functional modifications

No intervention is proposed in this area by the architect.

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KARAK CASTLE MUSEUM
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(5) NUMBER OF STAFF AND STRUCTURE OF OPERATION AND MANAGEMENT

According to the structure of responsibilities, defined by the Department of Antiquities, offices, facilities and personnel. Working in the field of antiquities in Karak report to the Karak Antiquities Inspector Office.

The following chart shows the number of staff and structure of operation and management in the museum facility present in the Castle of Karak.

Name of museum	Total Staff	Administrative staff	Curatorial Staff
Karak Museum	12	1 Accountant 2 Ticket Salesman 2 Ticket supervisor 2 Janitors 2 Typewriters 1 Storekeeper	2 Curators

(6) NUMBER OF VISITORS

Numbers of Tourists visiting Karak Castle during 1998.

Month	Total Number Per Month	Number Of Days Of Record	Average Number Per Month
January	2953	31	95
February	5519	28	197
March	6260	31	202
April	4278	29	492
May	10008	31	323
June	4200	30	140
July	4048	30	135
August	6214	31	200
September	5957	30	198
October	13640	30	455
November	8507	30	284
December	4128	31	133

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KARAK CASTLE MUSEUM
Drawing Title:

Scale: **N.T.S** Drawing No.: **KCM.S.003T**

(7) SOUNDINGS AND EXCAVATIONS (IN RELATION TO THE MUSEUM)

Several soundings and excavations were conducted to determine appropriate and original levels at the plaza, rooftop and adjacent hall. Archaeological excavation, undertaken in front of the museum by

DOA, clarified that the original floor level of the plaza is approximately the same as the level of the museum hall.

After execution of soundings and excavations inside the new museum hall, removal of a later constructed wall that connected the main museum hall and the new hall was approved. The original ground

level of the new hall, in relation to findings from the sounding was determined accordingly to about 60 cm from main hall. It was also noted that an original entrance of the adjacent hall is under the

external existing stairs leading to the frontal court Plaza (refer to drawings). DOA clarified that the reduction of external stairs width, removal of the present water channel, and removal of the retaining wall

in the near future are possible options and lie within the responsibility of DOA.

The findings of the sounding on top of the roof adjacent hall allowed for the removal of the debris from the roof in preparation for the proper drainage of the roof and adjacent external stairs.

(8) EXHIBITIONS

The archaeological museum contains antiquities that goes back to all historical periods that passed through Jordan, from the Paleolithic age to the Islamic era.

The museum collections consist of ceramic artifacts; coins, statues, jewelery and those were found either through the archaeological excavations in Karak or purchased from the citizens who found them by chance during the building process

A list of the museum collection was prepared by the museum curator Mr. Khalid Al Tarawneh & Miss Arwa Masadeh

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KARAK CASTLE MUSEUM
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**THE STONE AGES
(PRE-HISTORIC AGES)
(8000 B.C. - 3000 B.C.)**

- * Artifacts of stone were used as tools for hunting animals and for self defence.

**THE BRONZE AGES
(2100 B.C. - 1200 B.C.)**

- * Bronze was used in making different tools
- * Spread of cities with walls
- * Invention of writing in Mesopotamia.
- * Hittites occupied Egypt and Jordan.

**THE IRON AGES
(1200 B.C. - 330 B.C.)**

The rise of several kingdoms, such as the Ammonites, Moabites & the Edomites.

- * Pieces of pottery from that age were discovered in Sahab and Karak.

**THE HELLENISTIC AND ROMAN PERIODS.
(331 B.C. - 636 A.D.)**

- * Arab tribes worked in trade like the names of tribes and pictures of animals on basalt stones.

**THE BYZANTINE PERIOD
(324 A.D. - 636 A.D.)**

**THE ISLAMIC PERIOD
(636 A.D.)**

- * Prosperity of the region
- * Islamic art appeared strongly in glazed pottery.
- * Pieces of pottery from the Umayyad and Ayyubian periods were found.
- * Mosaics and coins.

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KARAK CASTLE MUSEUM

Drawing Title:

Scale: **N.T.S.**

Drawing No.: **KCM.S.005T**

LIST OF ARTIFACTS (KARAK MUSEUM)

BRONZE- AGE

- 1 - Small pottery jar with pointed base with two small handles on the body in the middle .
Maybe it was used for perfumes. Neck is broken. 17 c.m height. No base to stand on.
- 2 - Small pottery bowl
Holes in the end 40 c.m height - the rim 8 c.m.
- 3 - Pottery bowl (open lamp)
"square shape" 7 c.m height, rim 12 c.m, base 8 c.m.
- 4 - Necklace made of white bones.
- 5 - Stone (circle shaped) : 5 c.m from the outside, 2 c.m from the in the inside and 3 c.m height .
- 6 - Necklace like glass (Red).
- 7 - Bone tool pointed from two sides 12.5 c.m long.
- 8 - Piece from figurine maybe a head of an animal 4.5 c.m height.
- 9 - Stone for weight 3 c.m height - 1.5 c.m thick.
- 10 - Slender flat, with holes and decorations (square) 3 c.m x 2.5 c.m

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KARAK CASTLE MUSEUM

Drawing Title:

Scale:

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Drawing No.:

KCM.S.006T

LIST OF ARTIFACTS

BRONZE - AGE

No.	OBJECT (ALABASTER)	HEIGHT	RIM	BASE
1.	Small jar	8.5 c.m	3.5 c.m	6 c.m
2.	Bowl	2 c.m	9 c.m	3 c.m
3.	Small jar	6.5 c.m	3.5 c.m	pointed base
4.	Small bowl with cover	4.5 c.m	2.5 c.m	4 c.m
5.	Two bowls stuck together	3.5 c.m	2.5 c.m	5 c.m
6.	Small piece for decoration	5 c.m	2 c.m	2 c.m
7.	Wooden piece	5 c.m	2 c.m	3 c.m
8.	Small jar	6 c.m	2 c.m	Pointed base
9.	Spoon with hole on handle	10 c.m	Long	-
10.	Small jar	11 c.m	3 c.m	9 c.m
11.	Small bowl	11 c.m	6.5 c.m	11 c.m
12.	Small jar	9 c.m	3 c.m	6 c.m
13.	Small bowl	11 c.m	7 c.m	12 c.m
14.	Object like knife	3.5 cm. long	-	-
15.	Cover for a bowl	3.5 c.m	5 c.m	5 c.m
16.	Jar	10 c.m	4.5 c.m	6 c.m
17.	Jar	2.5 c.m	Small hole with rim 3.5 c.m	Without base
18.	Bowl	7 c.m	4.5 c.m	9 c.m
19.	Vessel	9 c.m	10 c.m	9 c.m
20.	Jar	5 c.m	6 c.m	Pointed base
21.	Bowl	4 c.m	9.5 cm.	4 c.m
22.	Bowl with cover	5 c.m	4 c.m	7 c.m
23.	Vessel	9 c.m	5 c.m	7 c.m
24.	Bowl with cover	9 c.m	5.5 c.m	21 c.m

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LIST OF ARTIFACTS (KARAK MUSEUM)

EARLY BRONZE (2800 - 2900) B.C.

No.	(OBJECT ALABASTER)	HEIGHT	RIM	HANDLES
1.	Pottery bowl	16 c.m	31 c.m	3
2.	Pottery bowl	18 c.m	28 c.m	4
3.	Pottery bowl	14 c.m	26 c.m	4
4.	Pottery bowl	18 c.m	29 c.m	4
5.	Pottery bowl	20 c.m	31 c.m	4
6.	Pottery bowl	16 c.m	24 c.m	4
7.	Pottery bowl	17 c.m	31 c.m	4
8.	Pottery bowl	14 c.m	26 c.m	4
9.	Pottery bowl	16 c.m	27 c.m	4
10.	Pottery bowl	19 c.m	33 c.m	4
11.	Pottery bowl	18 c.m	28 c.m	3
12.	Bazalt Jar			

* TWO SKELETONS

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EARLY BRONZE (3100 - 3000) B.C. - BAB EL - DRA

1. Pottery jar with one hand (painted) 11 c.m height, rim 7 c.m, base 4 c.m
2. Pottery jar with two handles (holes on the neck) 25 c.m height, 12 c.m rim, base 9 c.m
3. Pottery jug with hand (broken rim) 25 c.m height, rim 6 c.m, base 8 c.m
4. Pottery jar (painted) with two handles 10 c.m height, rim 8 c.m - no base
5. Pottery jar (small) with one hand, 8 c.m height, rim 5.5 c.m, base 3.5 c.m.
6. Pottery jar with two small handles with holes
Painted 12 c.m height - rim 5 c.m - base 5.5 c.m
7. Pottery jar (painted) without handles 12 c.m height rim 7 c.m - base 5 c.m
8. Pottery bowl with mouth (like jug) 12 c.m height rim 17 c.m - base 8 c.m
9. Necklace : 24 units
10. Piece of mud with four small flints 8 c.m long - 4 c.m thick.
11. Flint (knife) 10 c.m long
12. Circle stone hole in the middle 3 c.m height - 4 c.m outside - 1.5 c.m inside
13. Lamp with four bowls on round base 8 c.m height - rim 19 c.m - base 11 c.m
14. Small piece 2.8 cm long - rim 1 c.m

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KARAK CASTLE MUSEUM
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LIST OF ARTIFACTS (KARAK MUSEUM)

IRON - AGE

1. Red pottery dish with rim to the outside - rim 16 c.m - height 9 c.m - base 9 c.m
2. Pink pottery dish : 4 c.m height , rim 12 c.m
3. Pottery dish 6 c.m height - 14.5 rim, broken base
- 4 . Pottery bowl with rounded base with rim, 3 c.m height.
5. Pottery dish with rounded base 14.5 c.m height, rim 17.5 c.m , 8 c.m base
6. Pottery amphorase with one hole on the rim 8.5 c.m height, no base.
7. Pottery dish with rounded base 7.5 c.m height , rim 20 c.m , base 9.5 c.m
8. Pottery base belongs to jar 5.5 c.m height ,9 cm. rim.
9. Pottery jar with handle and rim for the water 17 c.m height, 4.5 c.m rim, no base
10. Pottery jar with two handles. 22.5 c.m height , rim 9.5 c.m , base 7.5 c.m
11. Small pottery jar with handle on one side and rim for the water. 10.5 c.m height, rim 5 c.m, base 4.5 c.m
12. Small black bazalt stone in the shape of a half circle , 16 cm. height and 9 c.m wide, broken
The broken part is missing.
13. Three small burned pottery figures.
 - a. 10 c.m height ,3 c.m ,thick no base
 - b. 12 c.m height , 5 c.m base.
 - c. 9.5 c.m height, 4 c.m base.

NOTE:

- * objects from 1 -11 from Busera (Tafila)
- objects from 12 - 13 from (Ballau') Karak

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LIST OF ARTIFACTS (KARAK MUSEUM)

ROMAN AGE

1. Two Roman pottery with high base :

- a- * The height 21.5 c.m
* The rim 16 c.m
* The base 8 c.m

- b- * The height 10 c.m
* The rim 12 c.m
* The base 4.5 c.m

2. Roman pottery jar with camel on it:

- * The height 14 c.m
* The rim 12 c.m
* The base no base

3. Roman pottery jar with snake on it:

- * The height 13 c.m
* The rim 12 c.m
* The base no base

4. Roman bronze pick 11.5 cm long ,1.5 cm.thickness

5. Roman bronze pick 11.5 cm long, 1.5 thickness cm.

6. Three Roman glass cups :

- a. height 10.5 c.m - rim 7cm.
b. height 11 c.m - rim 7cm.
c. height 11 c.m - rim 7cm.

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KARAK CASTLE MUSEUM

Drawing Title:

Scale: **N.T.S**

Drawing No.: **KCM.S.0011T**

LIST OF ARTIFACTS (KARAK MUSEUM)

7. Two Roman glass amphorases:
 - a. height 9.5 c.m - broken rim
 - b. height 10.5 c.m - rim 2cm.

8. Roman glass jug.
 - a. height 13 c.m - rim 4.5cm - base 4cm.
 - b. height 10 c.m - rim 4cm.- base 4 cm

9. Roman bazalt head the height 20 cm.
the base 10 cm.

10. Roman pottery figurines " half woman" medium size
 - a. height 9 c.m - base 6.5 cm.
 - b. height 9 c.m - base 7.5 cm.
 - c. height 9 c.m - base 7 cm.

11. Roman pottery figurines medium size
 - a. height 21 c.m - base 9 cm.

12. Small bronze lamp with roman handle:
9.5 c.m long , height 2.5 cm.

13. Roman bronze lamp with three legs medium size:
 - * 16 cm. long
 - * 16 cm. height

Project:
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in the Hashemite Kingdom of Jordan

Executing Agency
The Ministry of Tourism and Antiquities
The Ministry of Planning

SUB-PROJECT:
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Tourist Street

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KARAK CASTLE
Drawing Title: **MUSEUM**

Scale:
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Drawing No.:
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LIST OF ARTIFACTS (KARAK MUSEUM)

ROMAN-NABATEAN AGE

No.	ALABASTER	HEIGHT	RIM	BASE
1.	Piece of pottery (sherd) (20cm. long) (24cm. wide)	-	-	-
2.	Pottery jar	20 c.m	10 c.m	no base
3.	Pottery jar	26 c.m	12 c.m	6.5 cm.
4.	Figurine (head)(6cm. long) (4cm. wide)	-	-	-
5.	Small pottery bowl	4.5 c.m	7 c.m	3.5 c.m
6.	Pottery vessel	6 c.m	5.5 c.m	3.5 c.m
7.	Small pottery basket (5cm. long)	-	10 c.m	6.5 c.m
8.	Pottery spoon(12cm. long)	-	6 c.m	4.5 cm.
9.	Small pottery jar with one handle	8 c.m	7 cm.	3.5 cm.
10.	Stone (stand)(7.5cm long) (5.5 cm. wide)	-	-	-
11.	Pottery amphorase (11.5cm. long)	-	3 c.m	4 c.m
12.	Pottery amphorase (11.5 cm. long)	6.5 c.m	2 c.m	pointed base
13.	Pottery lamp (7.5 cm. long)(4.5 cm. wide)	-	-	-
14.	Pottery lamp (13 cm. long)(4 cm. wide)	-	-	-
15.	Pottery handle (12.5 cm long)	-	-	-
16.	Pottery glass	6 c.m	9 c.m	4 c.m
17.	Pottery vessel with two handles	6 c.m	6 c.m	round base
18.	Pottery amphorase	13 c.m	5.5 c.m	5 c.m
19.	Pottery lamp (9.5cm long)	-	6.5 c.m	4 c.m
20.	Pottery lamp (10 cm long)	-	7 c.m	4 c.m
21.	Pottery vessel with two handles	16.5 c.m	9 cm.	8 c.m
22.	Amphorase(pottery) (6 c.m long)	-	2.5 c.m	2.5 c.m
23.	Amphorase(pottery) (6.5 c.m long)	-	2.5 c.m	2.5 c.m
24.	Piece of pottery figurine(7.5cm. long)	-	-	-
25.	Pottery amphorase	13.5 c.m	broken	4c.m
26.	Pottery amphorase	14 c.m	2	pointed base

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KARAK CASTLE MUSEUM

Drawing Title:

Scale: **N.T.S** Drawing No.:

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LIST OF ARTIFACTS (KARAK MUSEUM)

BYZANTINE - AGE

Eight bracelets (7) glass and (1) iron

- * Glass bracelet 7 c.m - 1.5 c.m thick
- * Glass bracelet 7.5 c.m -1 c.m thick
- * Glass bracelet 7 c.m - 1 c.m thick
- * Glass bracelet 8 c.m - 1 c.m thick
- * Glass bracelet 7.5 c.m -1 c.m thick
- * Glass bracelet 6 c.m - 1 c.m thick
- * Glass bracelet 8 c.m - 1 c.m thick
- * Glass bracelet 7.5 c.m - 1 c.m thick

2. Eight necklaces

ROMAN - AGE

1. Pottery figurine for a man (complete) holding something in his hand 21 c.m height - 8c.m wide
2. Pottery figurine for woman , 20 c.m height ,
6 c.m wide
3. Red roman pottery dish.
41 c.m :
height : 4 c.m
4. Large glass jug or vessel with long neck. 35.5 c.m height, and the neck is 16 c.m long.
5. Alabaster human face with beard and montage holes in the ears 13 c.m long 10 c.m wide.

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Drawing Title:

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LIST OF ARTIFACTS (KARAK MUSEUM)

BYZANTINE - GLASS

No.	OPJECT	HEIGHT	RIM	BASE
1.	Glass jug with one handle	11 c.m	5 c.m	7.5 c.m
2.	Glass vessel	7 c.m	6 c.m	4c.m
3.	Glass jug	10.5 c.m	4.5 c.m	5.5 c.m
4.	Glass vessel	6.5 c.m	5 c.m	6.5 c.m
5.	Glass vessel	10.5 c.m	5 c.m	no base
6.	Glass vessel	7 c.m	6.5 c.m	5 c.m
7.	Glass jug (broken)	9 c.m	broken	3.5 c.m
8.	Big glass vessel (half broken)	31 c.m	10 c.m	14 c.m
9.	Glass vessel	16 c.m	4 c.m	5.5 c.m
10.	Glass vessel (one handle)	8 c.m	5.5 c.m	4.5 c.m
11.	Glass vessel (square)	10 c.m	broken	4.5 c.m
12.	Glass jug (one handle)	13 c.m	3 c.m	4.5 c.m
13.	Glass vessel (one handle)	9 c.m	4 c.m	5 c.m
14.	Glass jug (with mouth)	8 cm. long	3 c.m	3.5 c.m
15.	Object like knife	3.5 c.m	5 c.m	5 c.m
16.	Glass vessel (three handle)	6.5 c.m	4 c.m	4 c.m
17.	Glass vessel	21.5 c.m	4 c.m	7 c.m
*	Pottery lamp (Byzantine)	27 c.m	-	32 c.m
*	Pottery Ryton (Greek) (2.5 c.m long)	12 c.m	-	-
*	Pottery Ryton(Greek) (16 c.m long)	10 c.m	-	-
*	Lead jar	24 c.m	14.5 c.m	broken
*	Iron helmet(26 c.m long)	15 c.m	(half broken)	-
*	Alabaster bowl	2.5 c.m	10 c.m	-
*	Alabaster bowl body 27 c.m circumference	8.5 c.m	8.5 c.m	7.5 c.m

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LIST OF ARTIFACTS (KARAK MUSEUM)

MAMELUKE

1. Big rounded pottery jar with round base and two handles with decorations and brown color
 - * The height 19 c.m - rim 9 c.m
 - * The base 7 c.m

2. Big pottery jar, two handles are broken, with
 - Decoration *The height 21 c.m
 - * The rim 10 c.m
 - * The base 8 c.m

3. Pottery lamp 13 c.m long - 7 c.m wide
 - 4 c.m height - base 3 c.m

4. Pottery lamp 8.5 c.m long - 6.5 c.m wide
 - 4 c.m height - base 2.5 c.m

5. Pottery lamp 11.5 c.m long - 7.5 c.m wide
 - 4 c.m height - base 2.5 c.m

6. Pottery lamp 6 c.m long - rim 5 c.m
 - base 7 c.m

7. Pottery jug with mouth , 18 c.m height , 8 c.m rim , 6 c.m base with "lost hand"
8. Pottery bowl with glass slip with decorations inside and writing
 - Height 6 - 7 c.m
 - Rim 18 c.m
 - Base 6 c.m

9. Pottery dish with glass slip with Arabic writing 3c.m height - rim 16 c.m - base 8 c.m
10. Pottery lamp with glass slip 5 c.m height, 10 c.m circumference, 16 c.m rim.
11. Pottery jug with human pictures and decorations 18 c.m height - rim 9 c.m - base 5.5 c.m (round base).
12. Medum size pottery lamp , in the shape of an anchor 24.5 c.m long ,height 4.5 c.m
 - The anchor is 8 c.m.

13. Colored pottery jar medium size "vessel" with 4 holes in it , 9 c.m height, rim 5.5 c.m, base 3 c.m (high base).

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LIST OF ARTIFACTS (KARAK MUSEUM)

LOTS - CAVE

No.	OBJECT	HEIGHT	RIM	BASE
1.	Amphorase (black)	13.5 c.m	broken	2.5 cm
2.	Amphorase (red)	7 c.m	2.5 c.m	3 c.m
3.	Pedestalled bowl	8.5 c.m	21.5 c.m	10 c.m
4.	Pottery bowl	18 c.m	29 c.m	4
5.	Lamp (9c.m long)	3.5 c.m	-	-
6.	Lamp (9c.m long)	3.5 c.m	-	-
7.	Lamp (8.5c.m long)	3.5 c.m	2.5c.m	-
8.	Lamp (8 c.m long)	3.5 c.m	-	-
9.	Lamp (8 c.m long)	4 c.m	-	-
10.	Pottery bowl	6.5 c.m	12.5 c.m	5 c.m
11.	Pottery bowl	6 c.m	11 c.m	3 c.m
12.	Small pottery jar	12 c.m	4.5 c.m	no base
13.	Pilgrim flask pottery Open pottery lamp (14.5 c.m long)	18 c.m	4.5 c.m	no base
14.	Open pottery lampjar(14.5 c.m long)	4.5 c.m	(open rim 13, 11 c.m)	-
15.	Big pottery jar (80 c.m around the body)	30.5c.m	11 c.m	12 c.m
16.	Flint 10.5c.m long(scraper)	6 c.m wide	-	-
17.	Coin	-	-	-
18.	Calender (v. mall)	3 c.m	-	-
19.	Lamp (8c.m long)	3 c.m	-	-
20.	Lamp (9.5 c.m long)	3.5 c.m	-	-
21.	Lamp (8 c.m long)	3 c.m	-	-

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Drawing No.: **KCM.S.0017T**

LIST OF ARTIFACTS (KARAK MUSEUM)

BIG -ITEMS

No.	OBJECT	HEIGHT	RIM	BASE
1.	Big bronze jar	37 c.m	107 c.m	40 c.m
2.	Big pottery jar (two handles one broken)	83 c.m	83 c.m	pointed base
3.	Nabatean jar	34 c.m	47 c.m	42 c.m
4.	Funeral stele(92 c.m long) (52 c.m wide) (18 c.m thick)	-	-	-
5.	(Body 102 c.m)	43 c.m	50 cm wide	30
6.	(Body 102 c.m)	36.5 c.m	-	36
7	Stone with Arabic writing: (34.5c.m wide)(71c.m thick)	-	-	-
8.	Islamic funeral stele (90 c.m long)(wide 44 c.m) (26 c.m thick)	28 c.m	-	-
9.	Funeral stele(92 c.m long) (wide 40 c.m)	-	-	-
10.	Stone with writing (54 c.m long)(43 c.m wide) (30 c.m thick)	-	-	-
11.	Stone with writing (77 c.m long) (28 c.m wide) (40 c.m thick)	-	-	-
12.	Nabatean funeral stele (55 c.m long) (43 c.m wide) (36 c.m thick)	-	-	-
13.	Mesha' stone (103c.m long) (63 c.m wide) (36 c.m thick)	-	-	-
14.	(37c.m height) (44 c.m long) (44 c.m thick)	-	-	-
15.	Thamoudic steles 40	* 60 x 36	-	-
		* 38 x 34	-	-
		* 30 x 37	-	-
		* 36 x 33	-	-
15.	Stone bowl (57c.m long) (43 c.m wide) (25 c.m thick)	-	-	-

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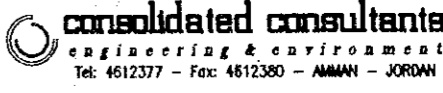
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KARAK CASTLE MUSEUM

Drawing Title:

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LIST OF ARTIFACTS (KARAK MUSEUM)

1. Pottery Figurines From Phynes On
Egyptian Style: "21 PIECES"

No.	LENGTH	BASE
1.	13 c.m	2.5 c.m
2.	10.5 c.m	1.5 c.m
3.	12 c.m	2 c.m
4.	8 c.m	1.5 c.m
5.	8 c.m	Without base
6.	8 c.m	Without base
7.	7.5 c.m	Without base
8.	6 c.m	Without base
9.	6 c.m	Without base
10.	7 c.m	Without base
11.	6 c.m	Without base
12.	6 c.m	Without base
13.	6 c.m	Without base
14.	6 c.m	Without base
15.	6 c.m	Without base
16.	6 c.m	Without base
17.	6 c.m	Without base
18.	4 c.m	Without base
19.	3 c.m	Without base
20.	2.5 c.m	Without base
21.	14 c.m	2x3.5 without base

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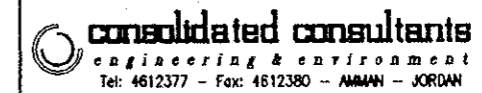
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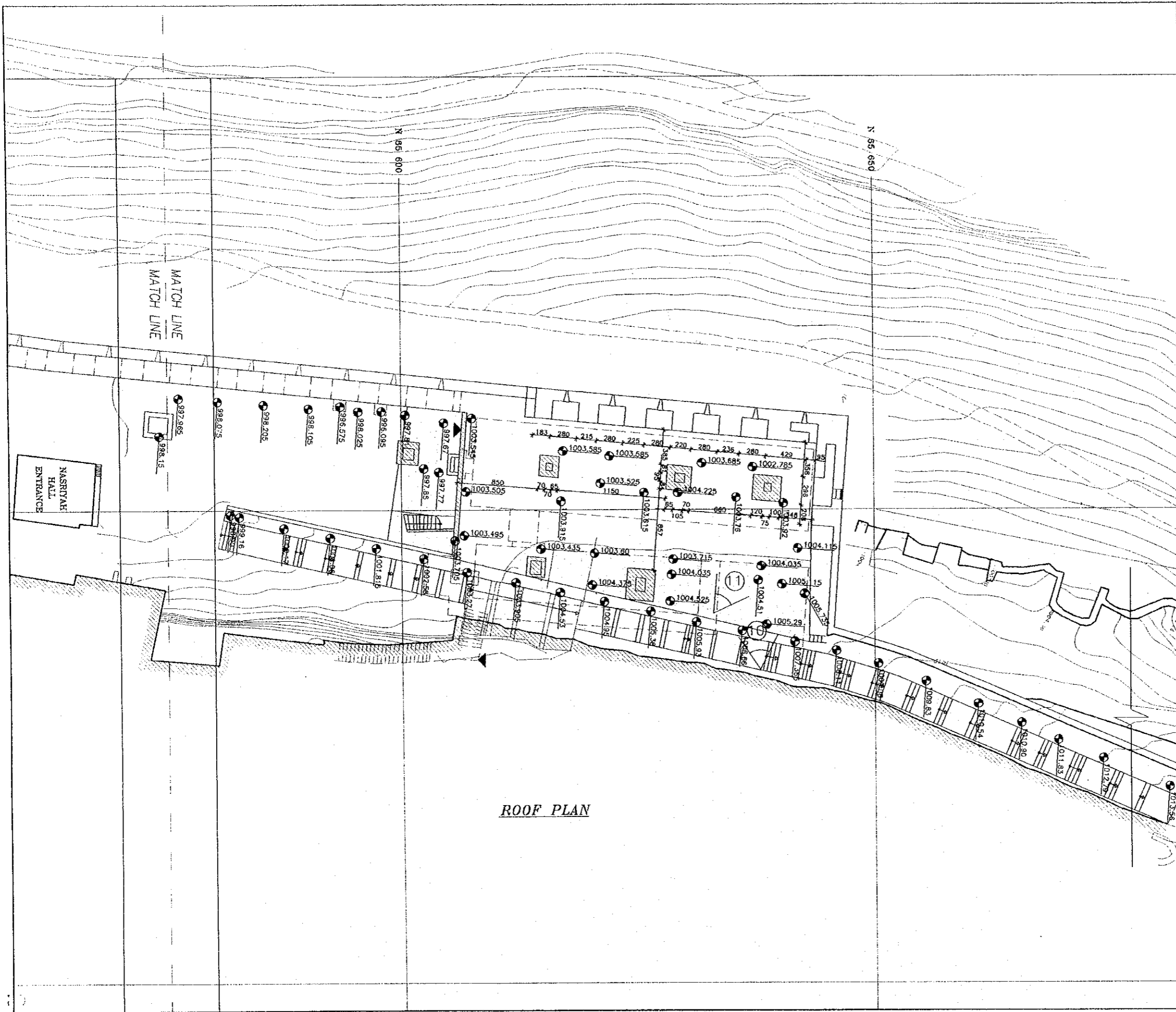


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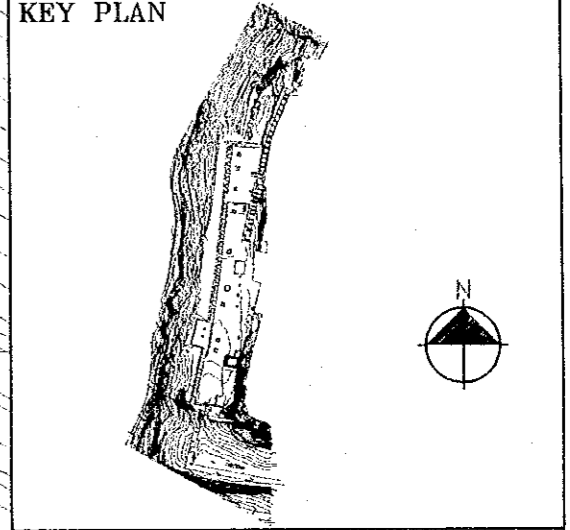
ROOF PLAN

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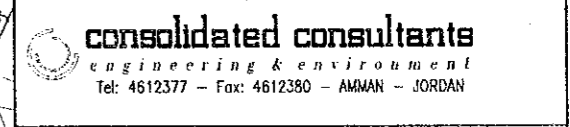
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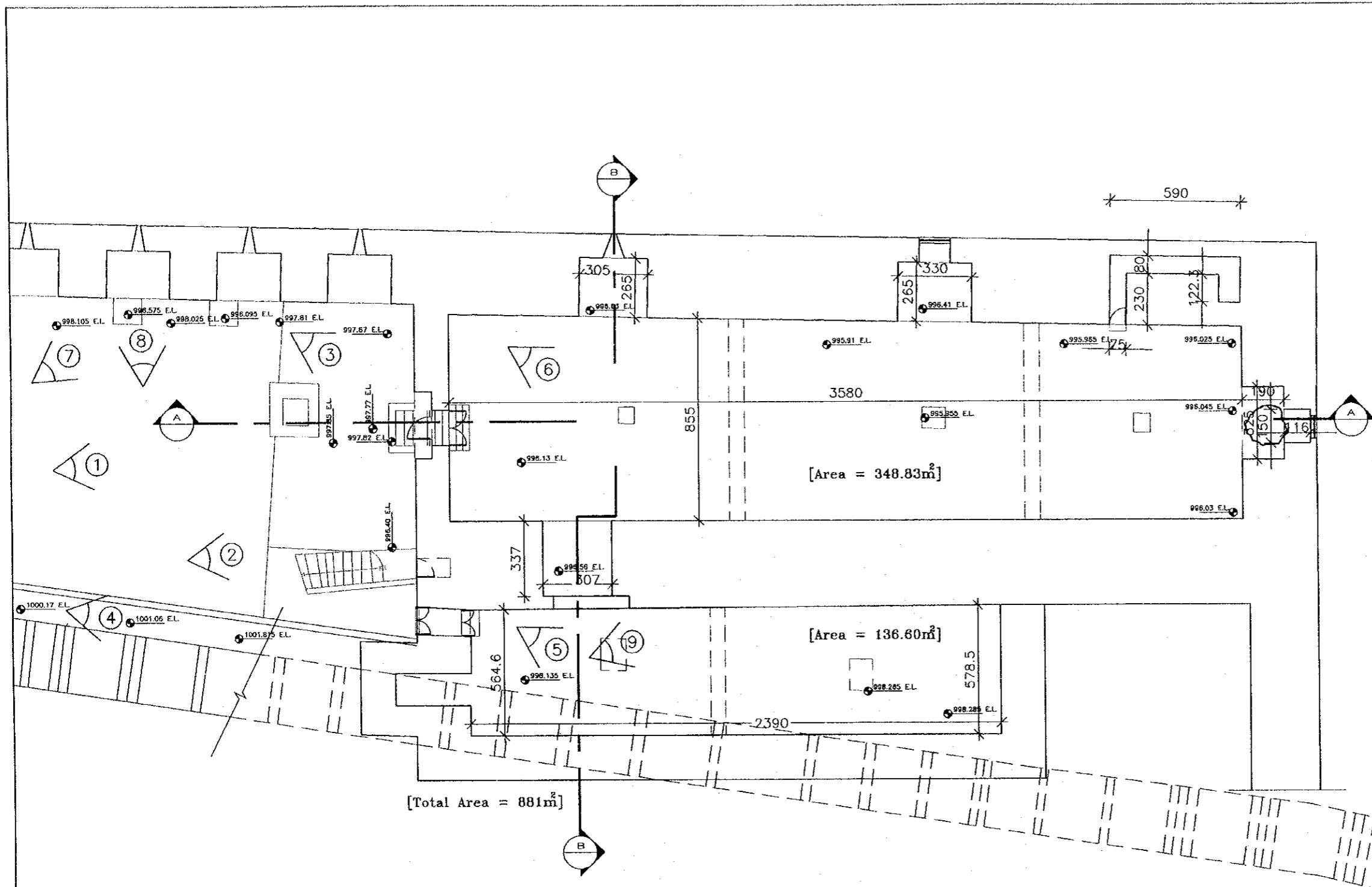
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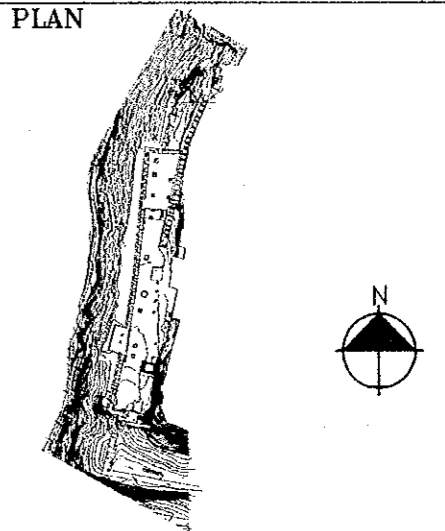



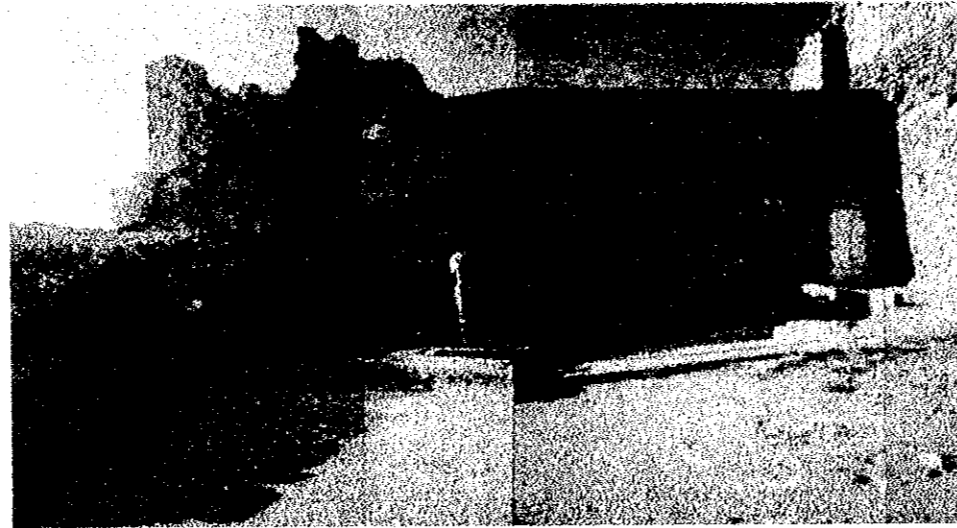
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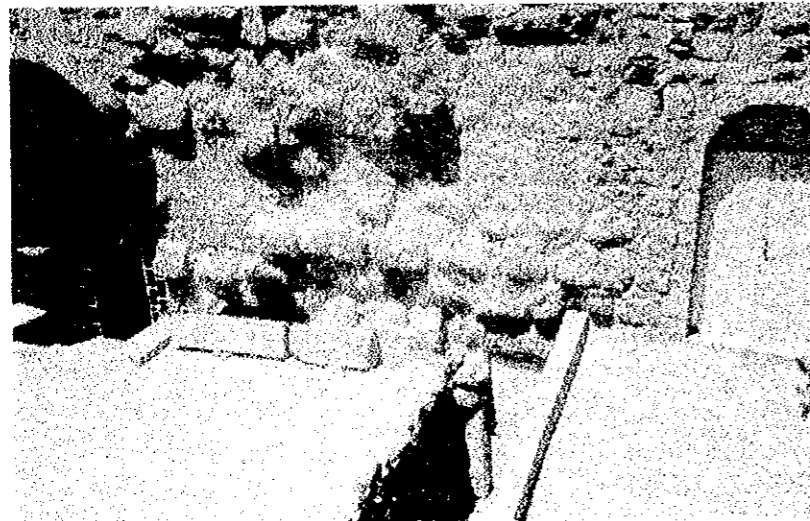


MUSEUM PLAN
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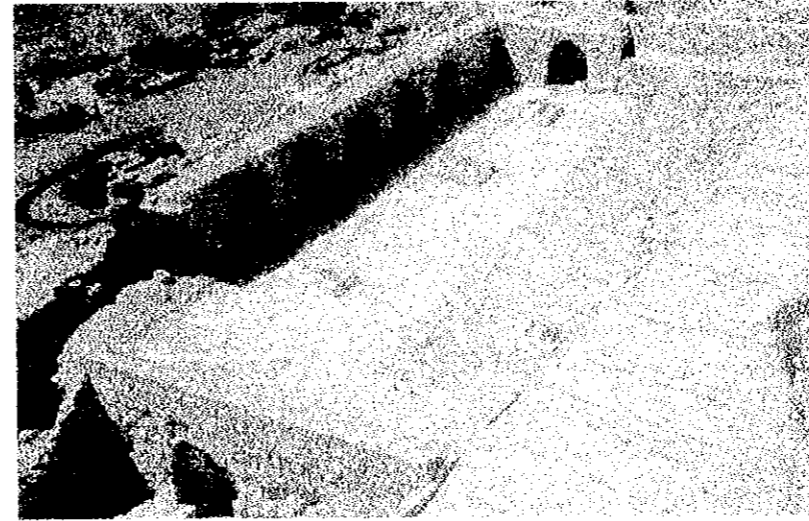
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**MUSEUM FRONT ELEVATION
PHOTO (1)**



**EXISTING MUSEUM PLAZA LEVELS
PHOTO (2)**



MUSEUM ROOF & EXISTING WATER CHANNEL



MUSEUM PLAZA & ROOF



**MUSEUM ENTRANCE
PHOTO (3)**



**WATER CHANNEL
PHOTO (4)**

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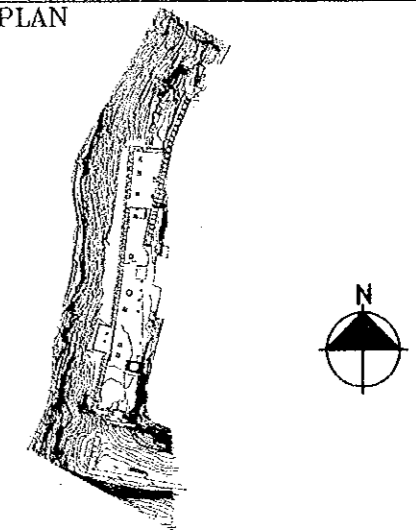
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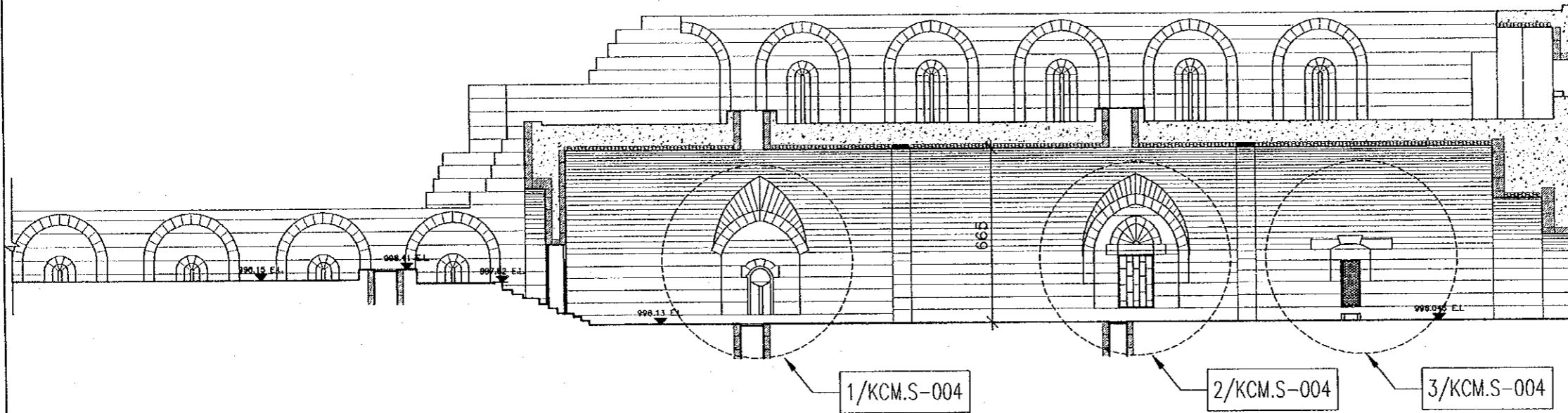
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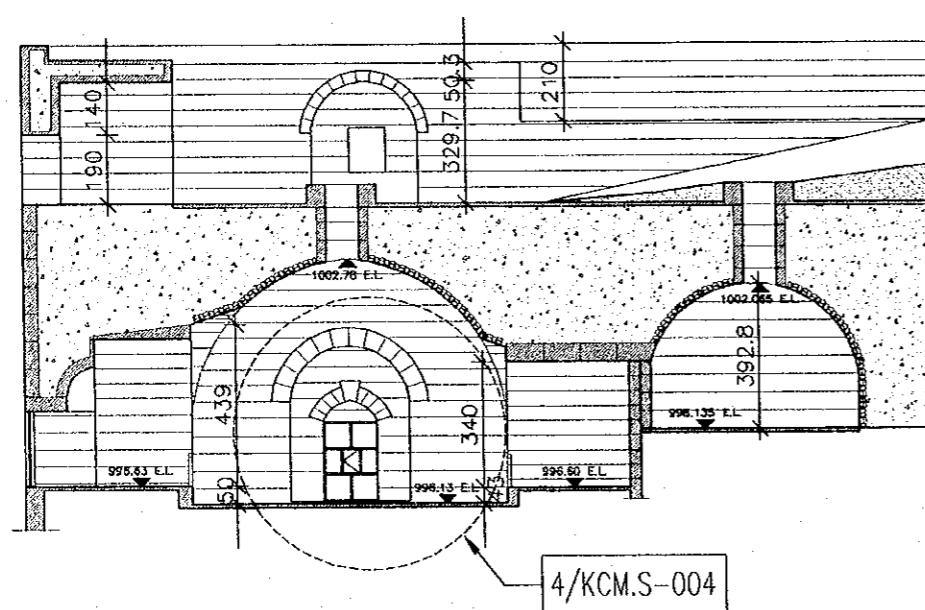
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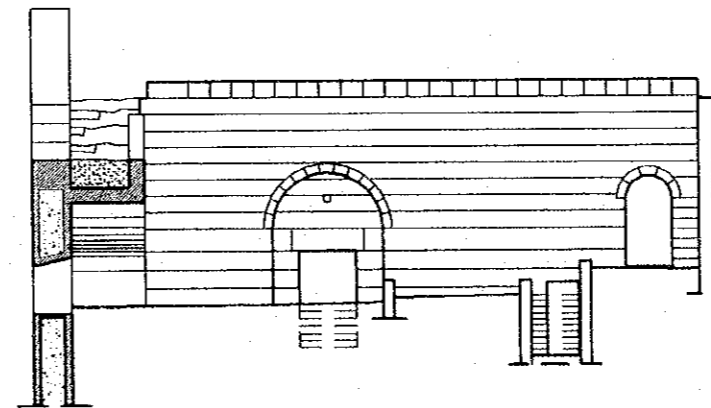
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SECTION A-A
1/200



SECTION B-B
1/200



ELEVATION
1/200

Project:
Tourism Sector Development Project
in the Hashemite Kingdom of Jordan

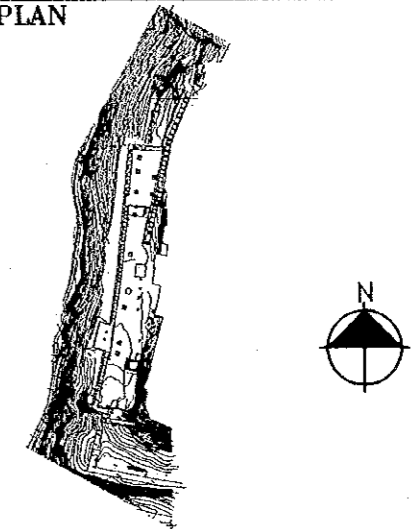
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The Ministry of Planning

SUB-PROJECT:
Karak Tourism Development Project
Tourist Street

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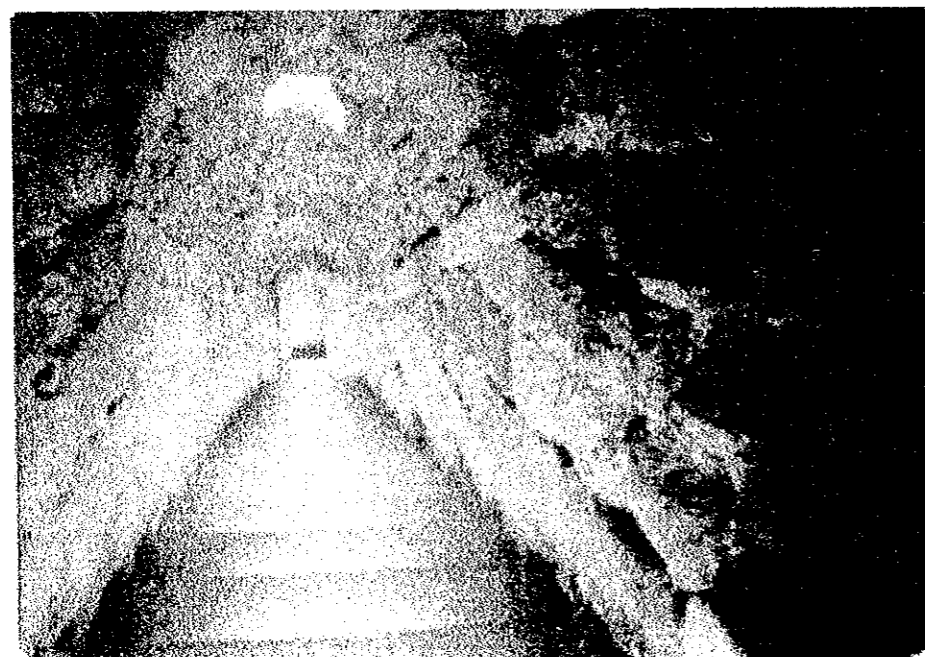
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ADJACENT ROOM (NEW MUSEUM HALL)
PHOTO (5)



EXISTING MUSEUM HALL
PHOTO (6)



ENTRANCE TO THE HALL OF AL-NASER DAUD



THE HALL OF AL-NASER DAUD

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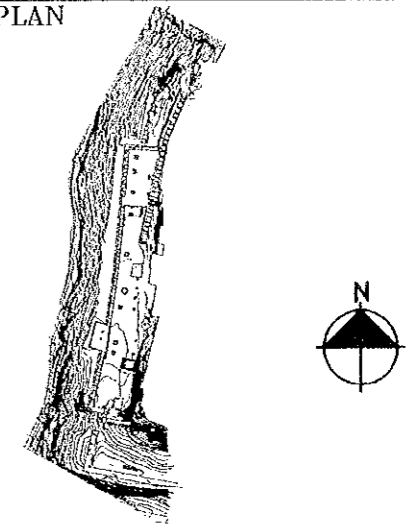
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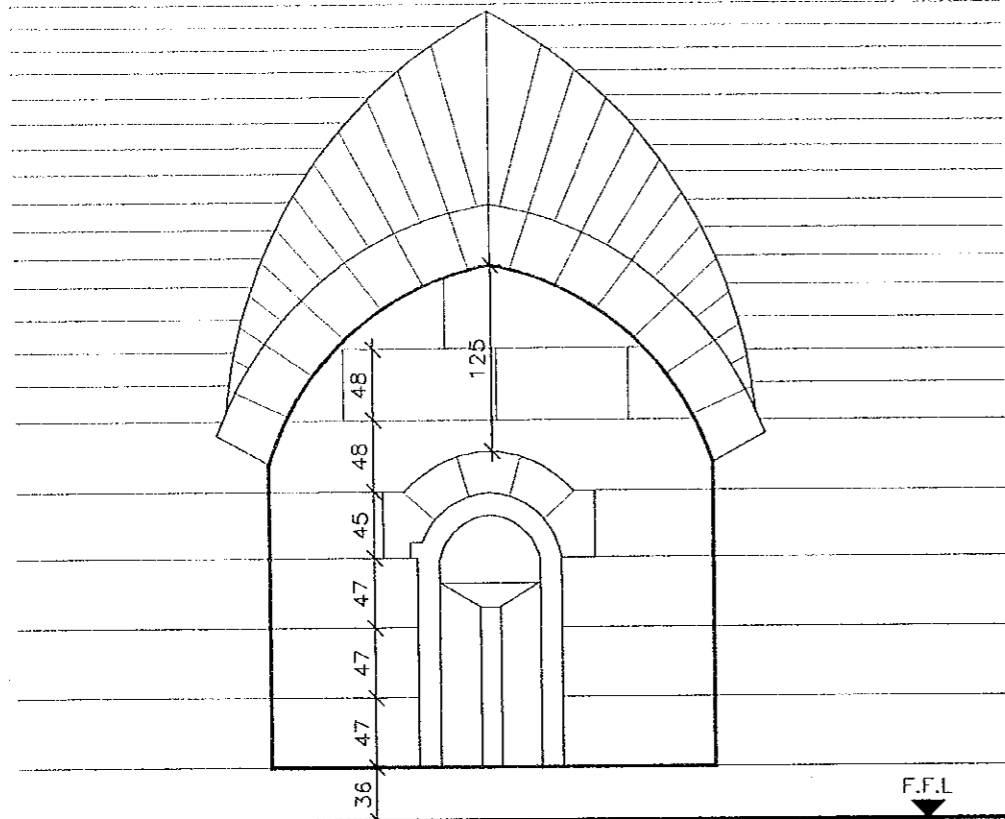
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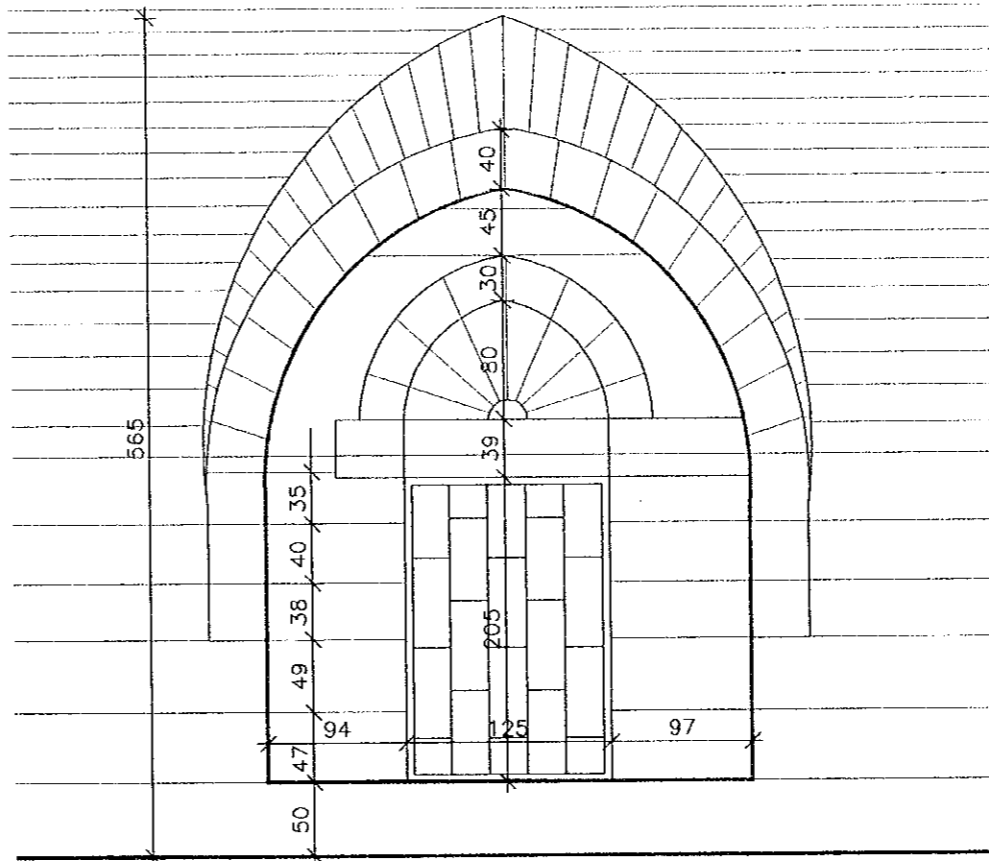
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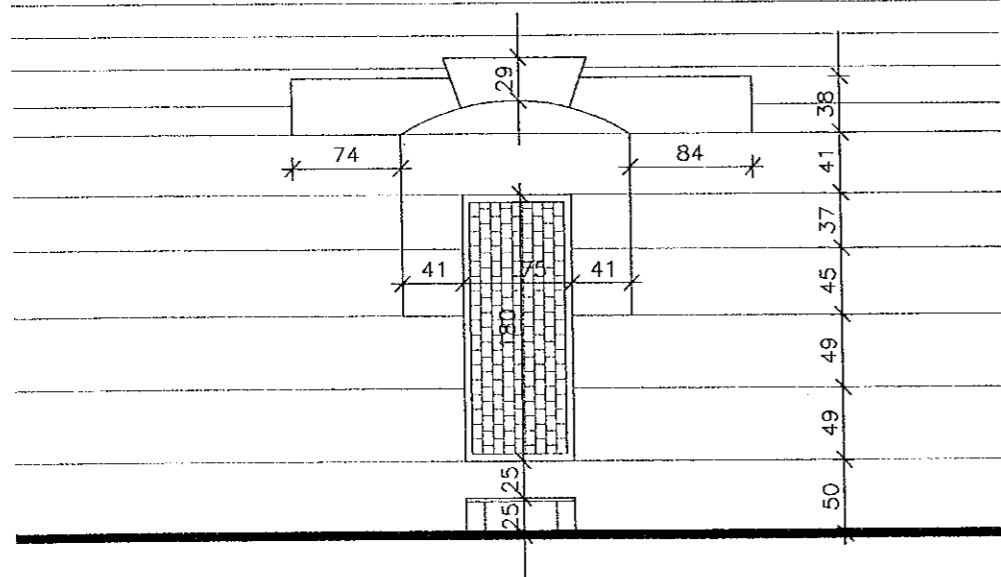
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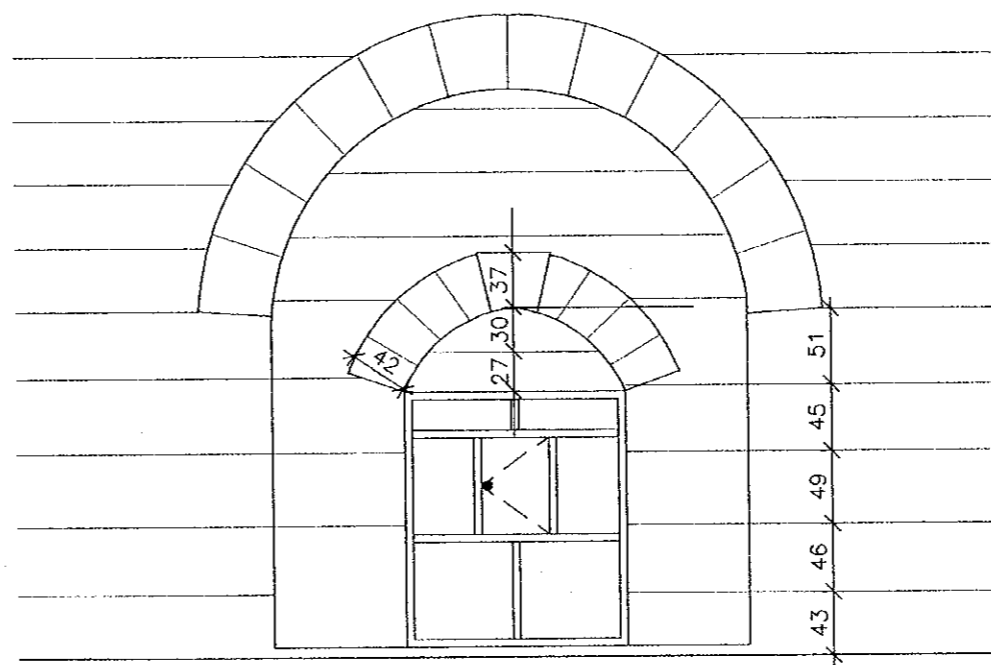
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KCM.S.003 SCALE = 1:10



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3 ENLARGED OPENING DETAIL
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4 ENLARGED OPENING DETAIL
KCM.S.003 SCALE = 1:10

Project:
Tourism Sector Development Project
in the Hashemite Kingdom of Jordan

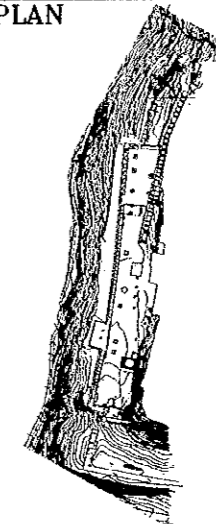
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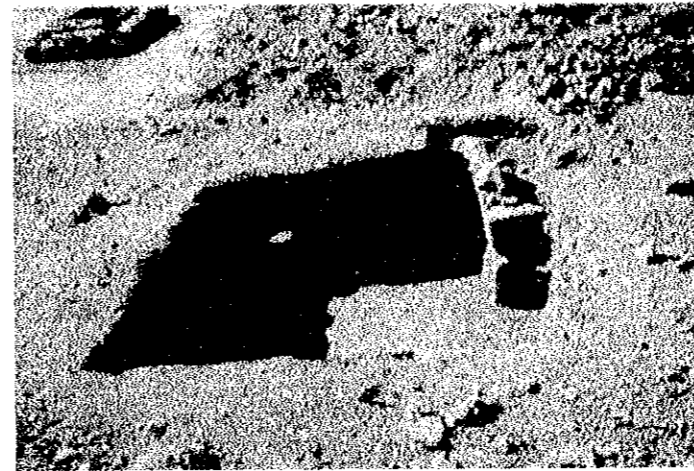
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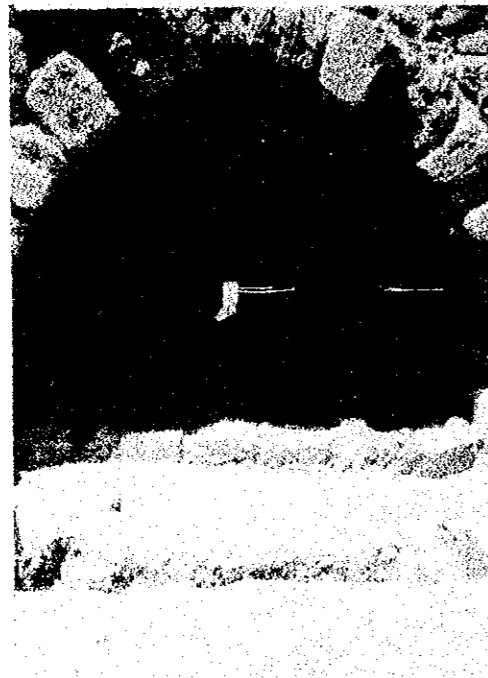
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SOUNDINGS & EXCAVATIONS (MUSEUM PLAZA)
PHOTO (7)



SOUNDINGS & EXCAVATIONS (MUSEUM ROOF)
PHOTO (10)



SOUNDINGS & EXCAVATIONS (MUSEUM PLAZA)
PHOTO (8)



SOUNDINGS & EXCAVATIONS (MUSEUM ADJACENT ROOM)
PHOTO (9)



SOUNDINGS & EXCAVATIONS (MUSEUM ROOF)
PHOTO (11)

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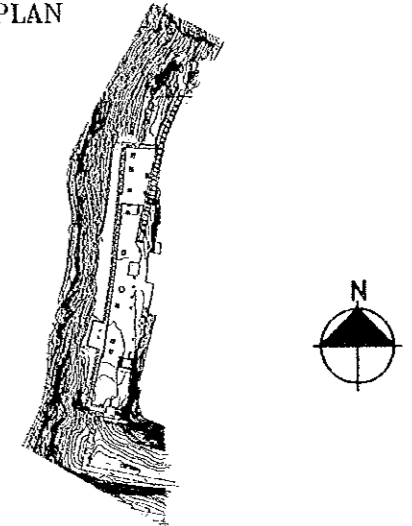
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