

JAPAN INTERNATIONAL COOPERATION AGENCY

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

DRAFT  
TENDER DOCUMENTS FOR CONSTRUCTION  
OF  
**KARAK TOURISM DEVELOPMENT SUB-PROJECT**  
THE TOURISM SECTOR DEVELOPMENT PROJECT

**VOLUME IV  
DRAWINGS**

(2) KARAK CASTLE PRESENTATION

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August 2000

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**VOLUME IV**  
**DRAWINGS**  
**(2) KARAK CASTLE PRESENTATION**

Pacific Consultants International  
Yamashita Sekkei Inc.

August 2000



1160601 (9)

# KARAK TOURISM DEVELOPMENT PROJECT KARAK CASTLE MUSEUM

## JUNE 2000 LIST OF DRAWINGS

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

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

SUB-PROJECT:  
Karak Tourism Development Project  
Karak Castle Museum

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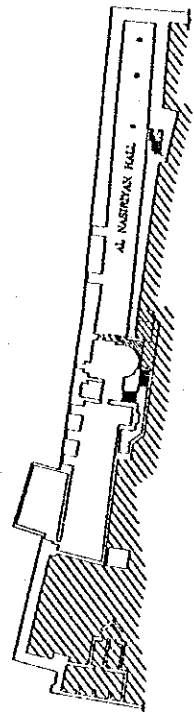
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JICA Study Team:  
Joint Venture of  
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16, 41237 - Fax: 412380 - AMM - JAPAN

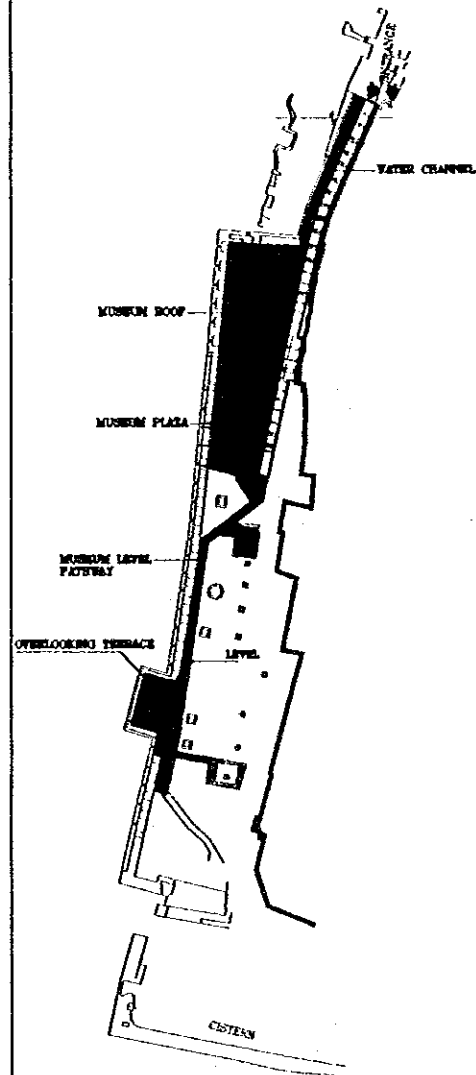
### LIST OF DRAWINGS

Drawing Title:

Scale: N.T.S. Drawing No.: **KCM.A-000**

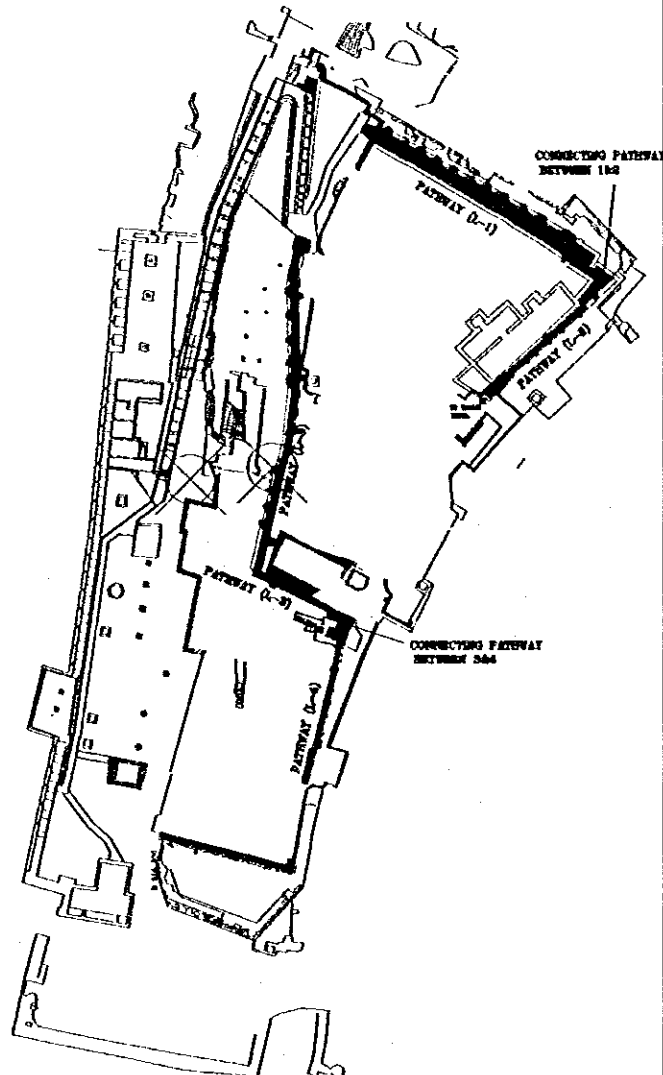


NASRIYAH LEVEL (NOT INCLUDED)



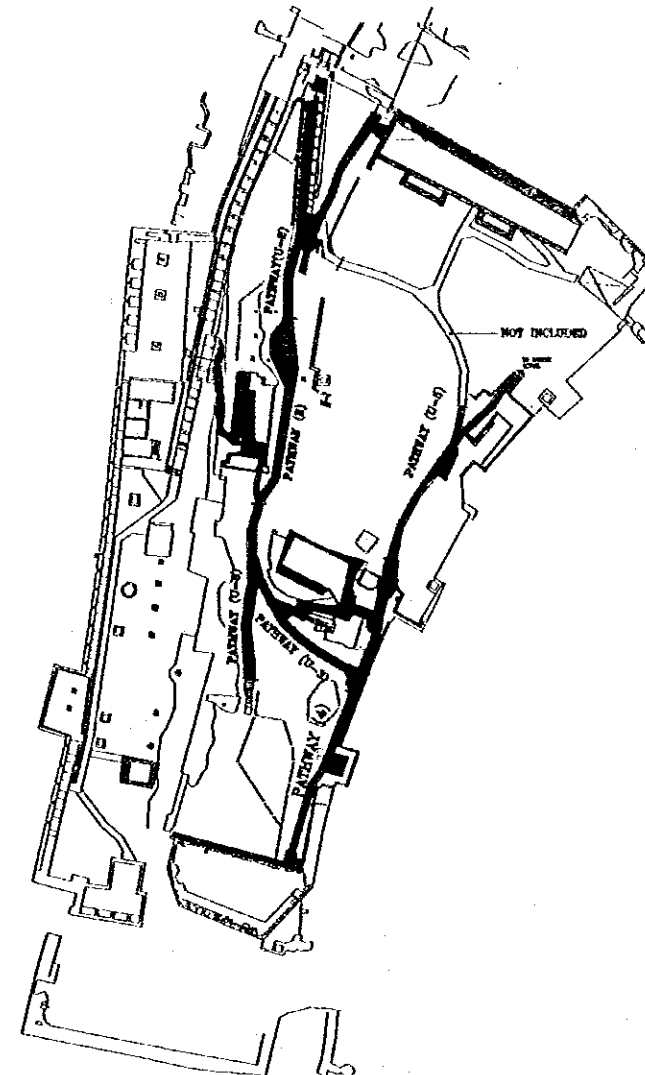
MUSEUM LEVEL AT 996.13 & MUSEUM ROOF AT 1003.80

- AREA TO BE IMPROVED
- PATHWAY (M)



LOWER LEVEL PATHWAY

- FOR PATHWAY (L-1) LEVEL 1023
- FOR PATHWAY (L-2) LEVEL 1024-1026.5
- FOR PATHWAY (L-3) LEVEL 1016.5-1020
- FOR PATHWAY (L-4) LEVEL 1016



UPPER LEVEL PATHWAY (No. BY SHEET)

- FOR PATHWAY (U-1) LEVEL 1017-1023
- FOR PATHWAY (U-2) LEVEL 1023-1026
- FOR PATHWAY (U-3) LEVEL 1019-1023
- FOR PATHWAY (U-4) LEVEL 1021-1021.5
- FOR PATHWAY (U-5) LEVEL 1026-1029

Project:  
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Executing Agency

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The Ministry of Planning

SUB-PROJECT:

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NOTE:

— BOUNDARY LINE TO SEPARATE PATHWAY NUMBERING

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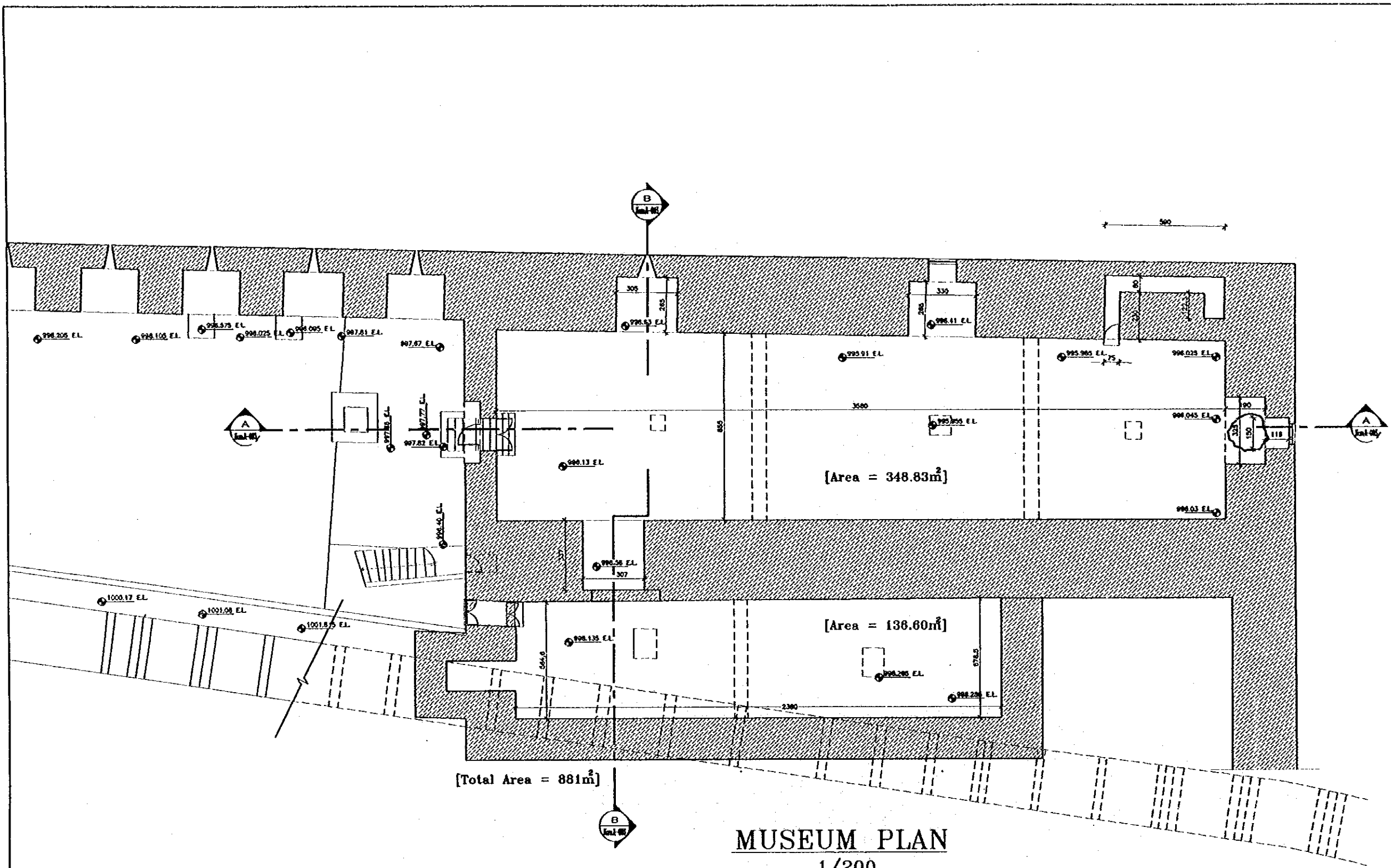
SURVEY MAP  
& ROOF PLAN

Drawing No.:

Scale:  
1:1000

Drawing No.:

KCMA-001



**Project:**  
 Tourism Sector Development Project  
 In the Hashemite Kingdom of Jordan

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

**SUB-PROJECT:**  
 Karak Tourism Development Project  
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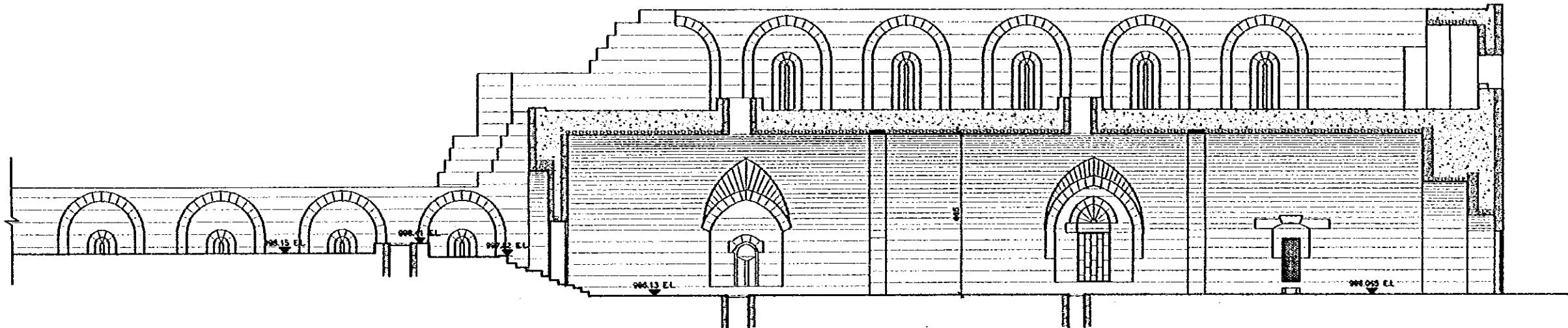
**EXISTING PLAN**

Drawing No.:

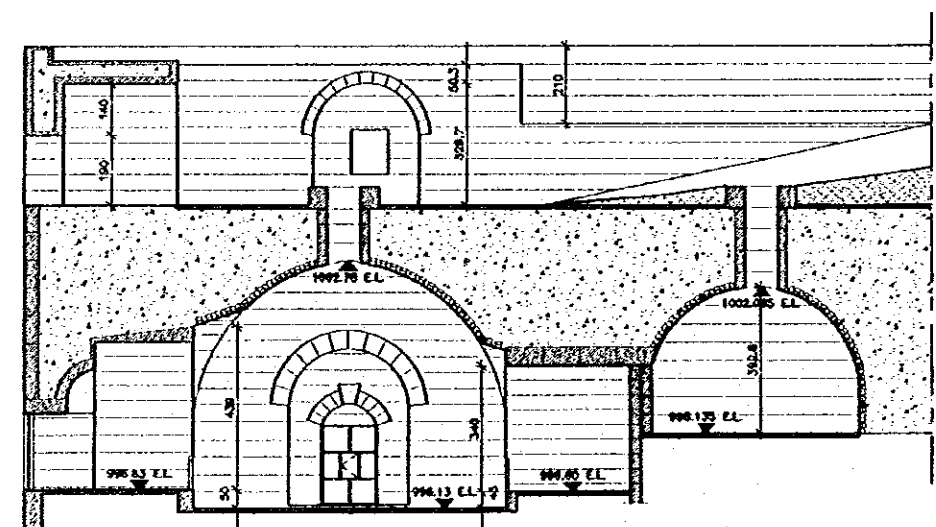
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4

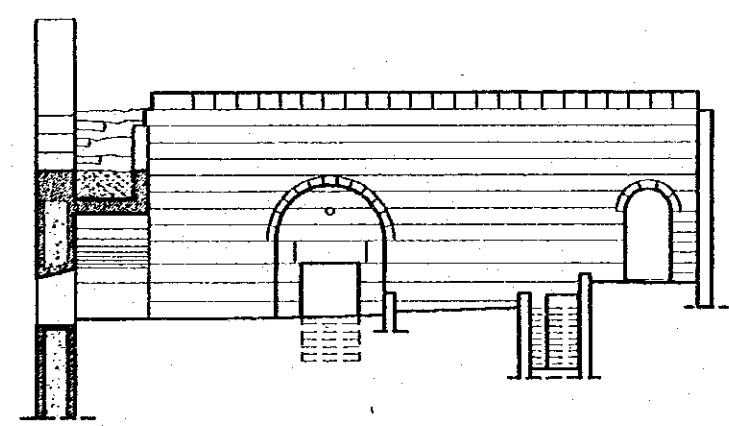




SECTION A-A  
1/200



SECTION B-B  
1/200



ELEVATION  
1/200

EXISTING MUSEUM

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

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

**SUB-PROJECT:**  
Karak Tourism Development Project  
Karak Castle Museum

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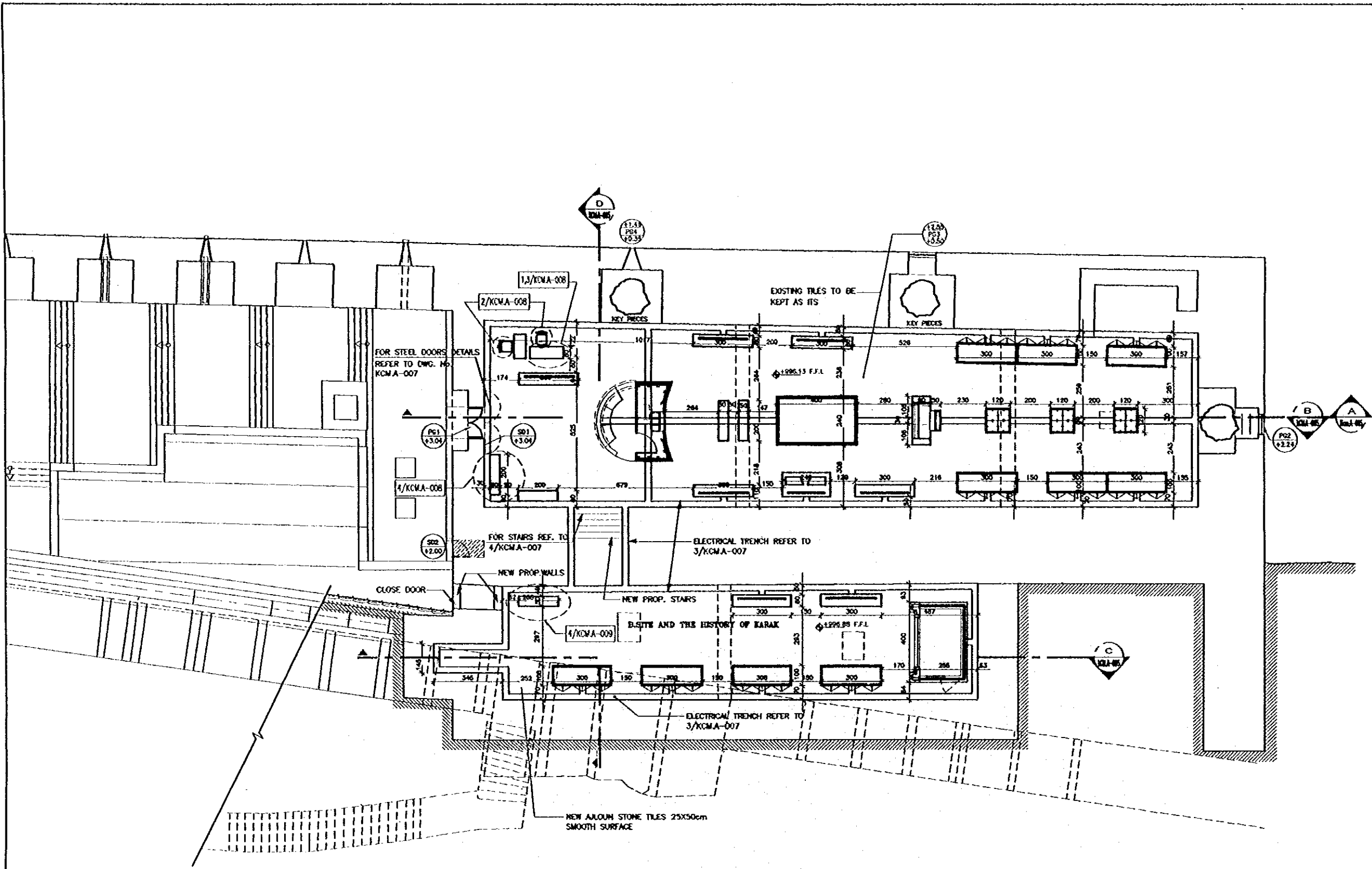
**Subcontracted Local Consultant:**

**consolidated consultants**  
Engineering & Environment  
Tel: 001237 - Fax: 001238 - JAPAN - 2000

EXISTING SECTIONS & ELEVATION

Scale: 1/200  
Drawing No: KCM.A-003

5



MUSEUM PLAN  
1/100

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

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

**SUB-PROJECT:**  
Karak Tourism Development Project  
Karak Castle Museum

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Engineering & Architecture  
Tel: 001277 - Fax: 001278 - 180001 - 200001

**PROPOSED PLAN**

**Scale:**  
1:100

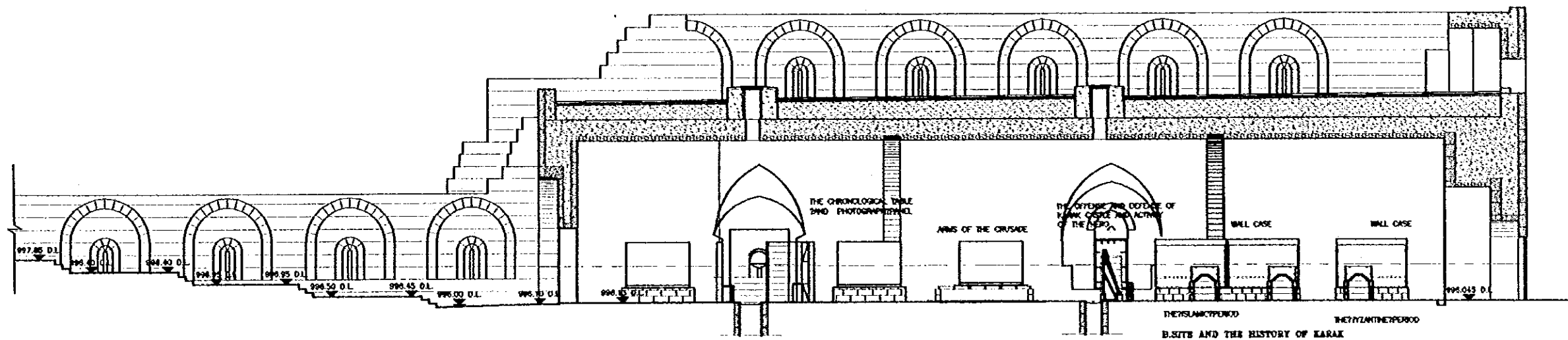
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KCM A-004

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

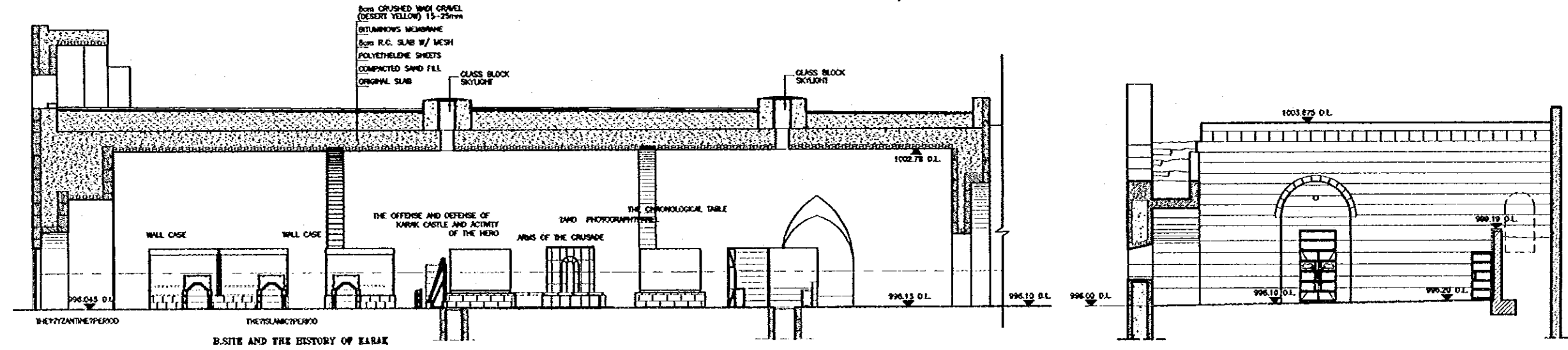
Executing Agency:  
The Ministry of Tourism and Antiquities  
The Ministry of Planning

SUB-PROJECT:  
Karak Tourism Development Project  
Karak Castle Museum

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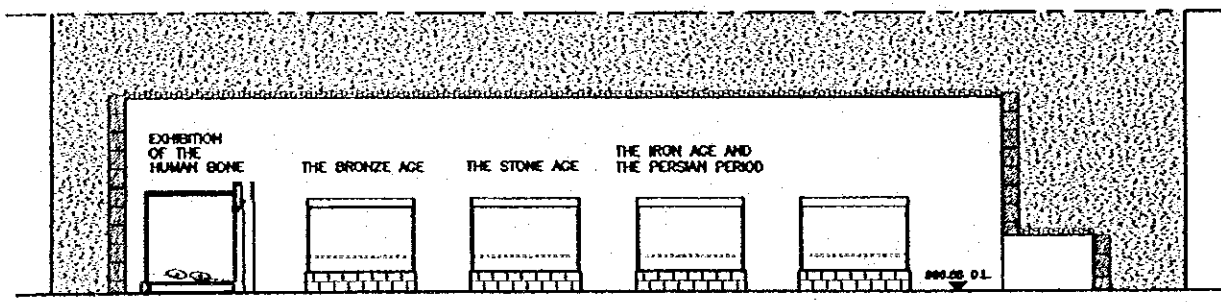


**SECTIONS A-A**  
1/100

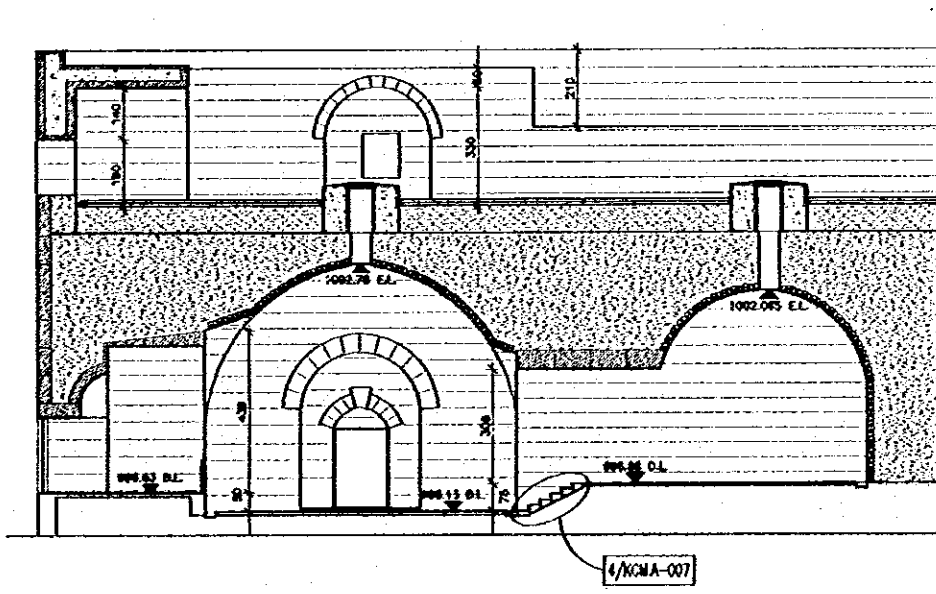


**SECTIONS B-B**  
1/100

**FRONT ELEVATION**  
1/100



**SECTIONS C-C**  
1/100



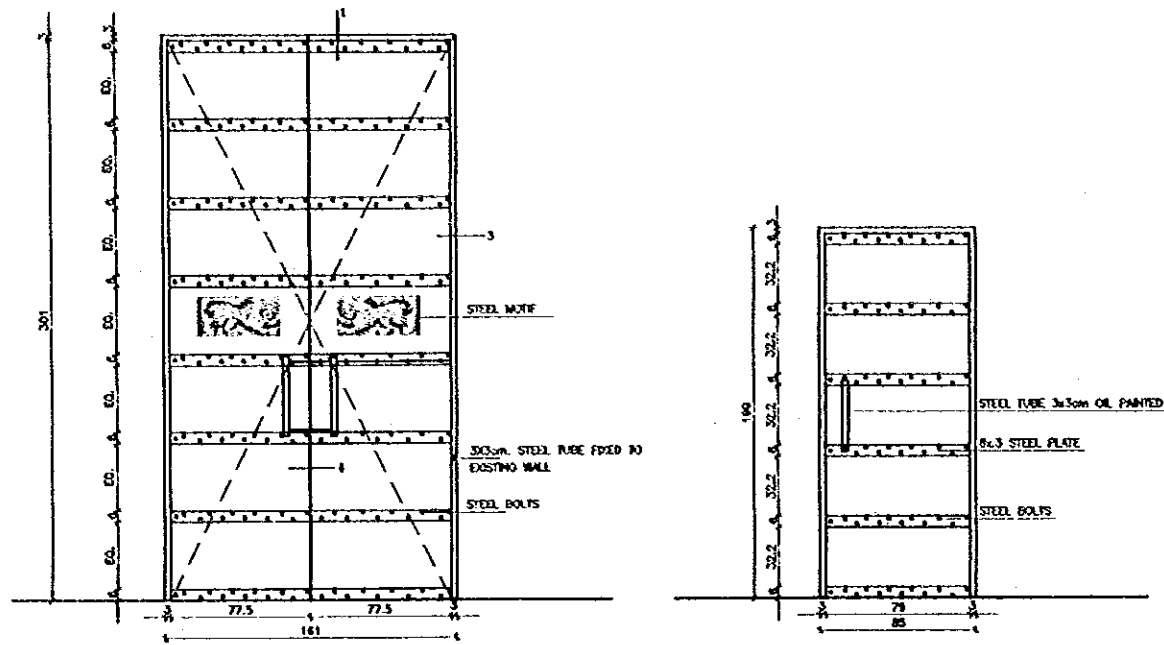
**SECTION D-D**  
1/100

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**PROPOSED SECTIONS & ELEVATION**

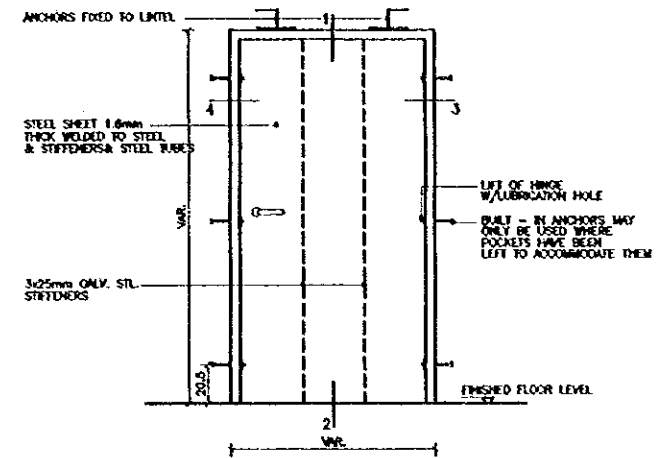
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Drawing No.: **KCMA-005**



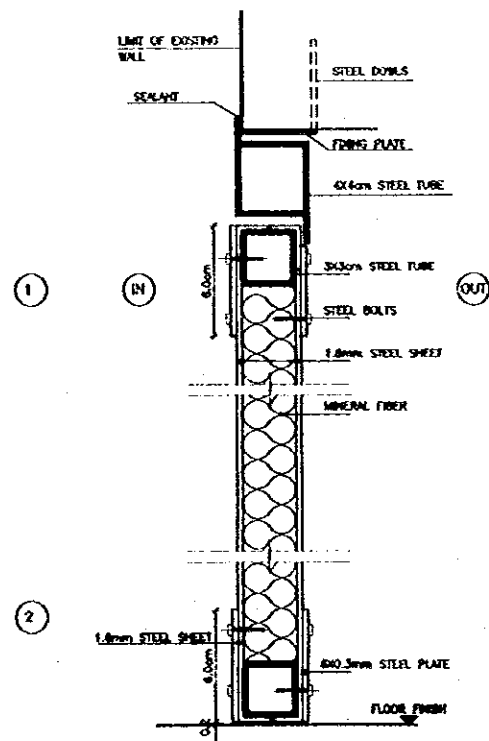
STEEL DOOR (SD1)

STEEL DOOR (SD2)

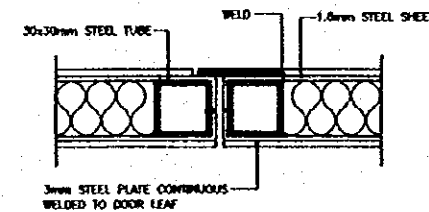
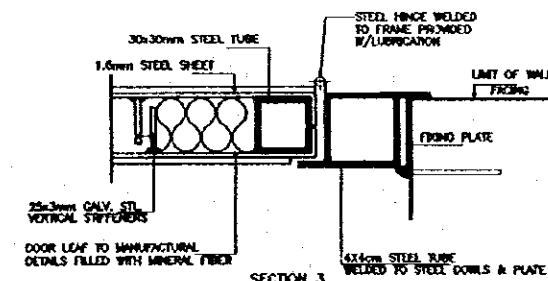
1 ENTRANCE STEEL DOOR  
SCALE = 1:20



2 TYPICAL STEEL DOOR  
ELEVATION  
SCALE = 1:20



3 STEEL SECTIONS  
SCALE = 1:2



4 STEEL SECTIONS  
SCALE = 1:2

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

Executing Agency

The Ministry of Tourism and Antiquities  
The Ministry of Planning

SUB-PROJECT:

Karak Tourism Development Project  
Karak Castle Museum

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- NOTE:
- DOUBLE LEAF STEEL DOOR SHALL HAVE 10 BUTT HINGES AND LEVEL ACTION FLUSH BOLTS WITH OUST EXCLUDING SOCKET SPRING LOADED AND FLUSH TYPE STRIKING PLATE/LOWER BOLT TO BE 25x12.45cm HUPPER BOLT TO BE NOT MORE THAN 2cm HIGH. SINGLE DOOR SHALL HAVE 3 BUTT HINGES.
  - DOORS SHALL HAVE CYLINDRICAL LOCK OPERABLE FROM BOTH SIDES.
  - DOOR SHALL HAVE TWO STEEL BAR HANDLES 6x5cm OIL PAINTED 45cm LONG.
  - STEEL DOOR SHALL BE OIL PAINTED, COLOUR TO BE APPROVED BY THE ENGINEERS.
  - ALL WORKMANSHIP SHALL BE BRUSHED STAINLESS STEEL.
  - CONTRACTOR SHALL VERIFY DIMENSIONS FROM ACTUAL SITE CONDITIONS.
  - ALL STEEL FRAMES TO BE PAINTED WITH PRIMER PAINT BEFORE BEING FIXED TO WALL.
  - SAMPLES OF ALL STEEL SECTIONS, ACCESSORIES & FITTINGS SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

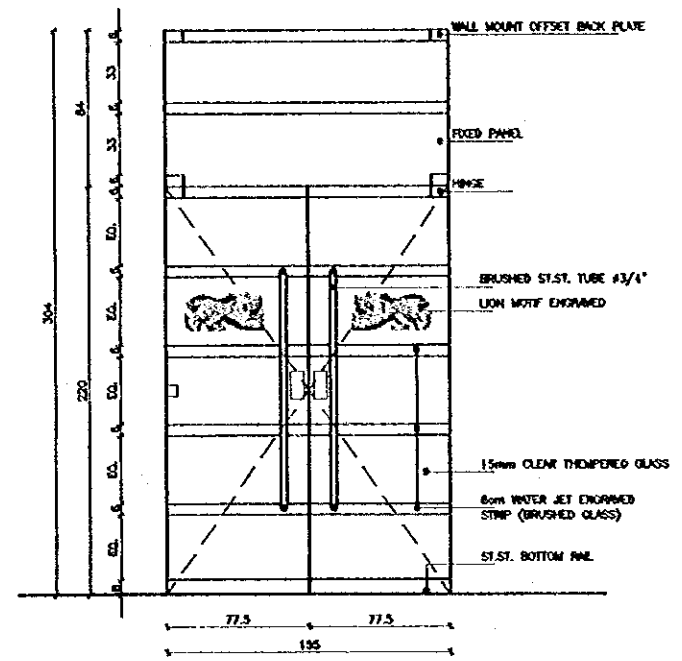
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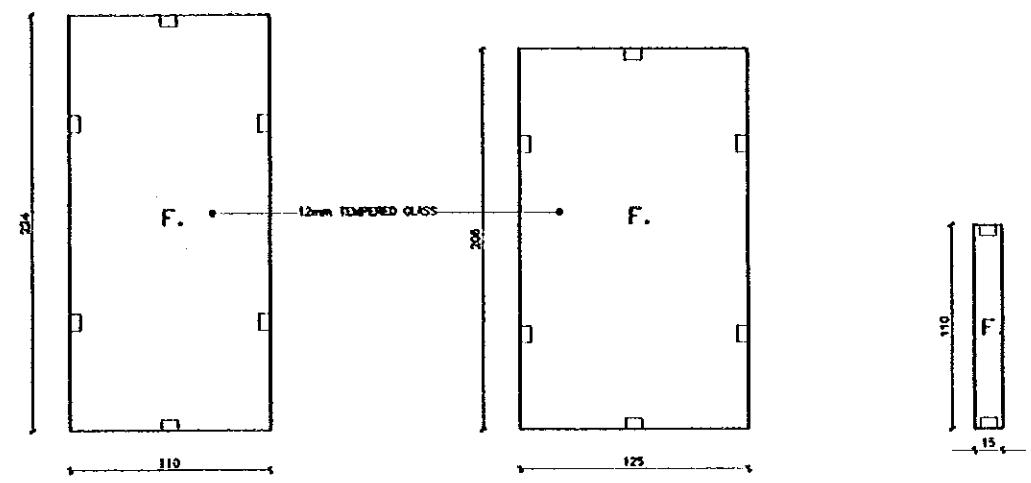
STEEL DOORS DETAILS

Drawing Title

Scale: 1/20, 1/2  
Drawing No.: KCM.A-006



PG1



PG2

PG3

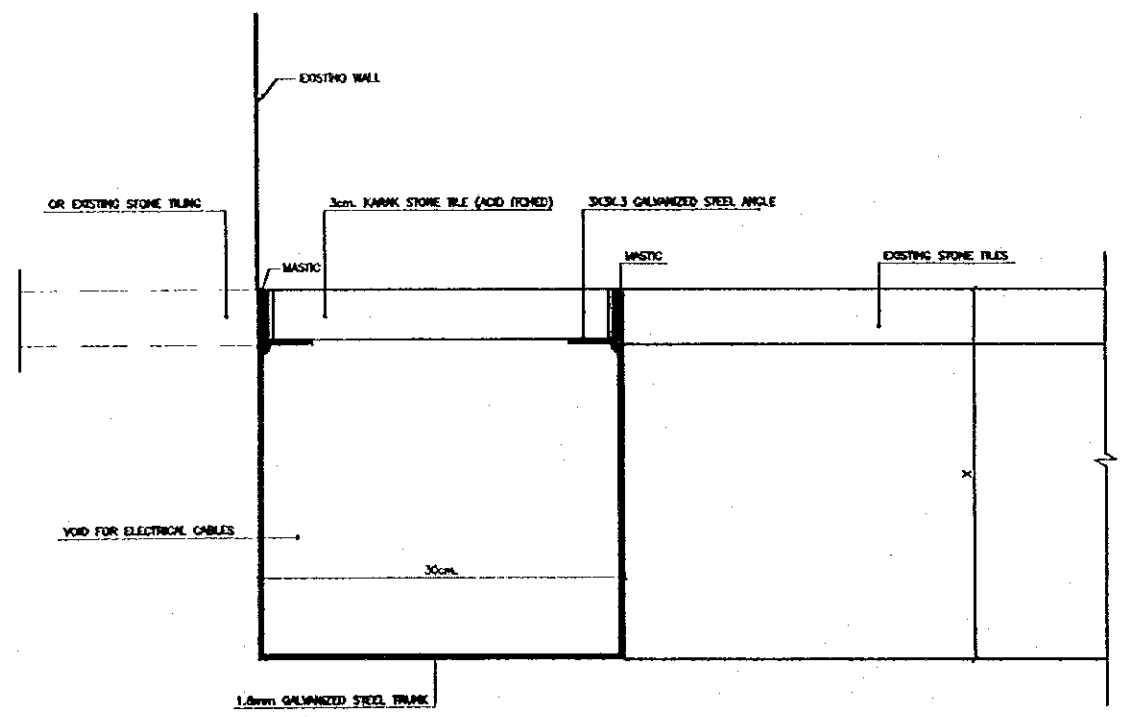
PG4

NOTE:--

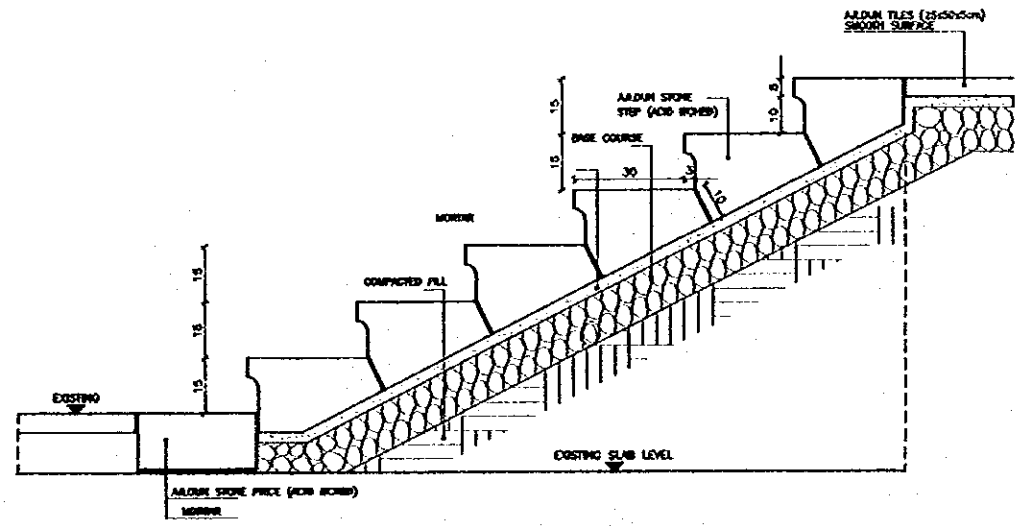
- 1- ALL TEMPERED GLASS WINDOWS SHALL BE 12mm THICK CLEAR GLASS
- 2- ALL FITTINGS & ACCESSORIES SHALL BE BRUSHED STAINLESS STEEL.

1 ENTRANCE TEMPERED GLASS DOOR  
SCALE = 1:30

2 TEMPERED GLASS WINDOWS  
SCALE = 1:30



3 STEEL TRUNK FOR ELECTRICAL CABLING  
SCALE = 1:5



4 STAIRS  
SCALE = 1:10

Project:  
Tourism Sector Development Project  
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Executing Agency:  
The Ministry of Tourism and Antiquities  
The Ministry of Planning

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Karak Tourism Development Project  
Karak Castle Museum

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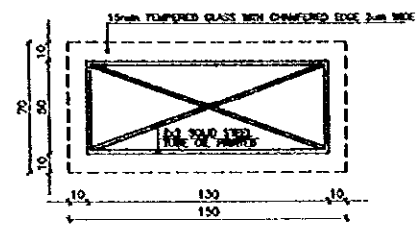
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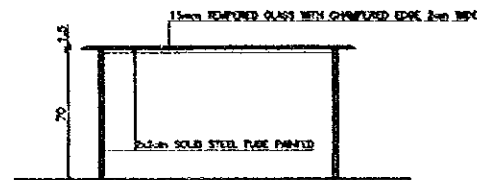
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TEMPERED GLASS & FLOORING DETAILS

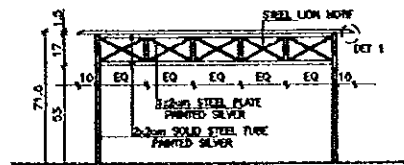
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Drawing No.: KCM.A-007



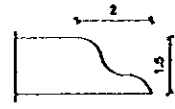
PLAN



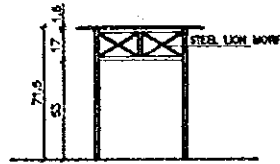
FRONT ELEVATION



BACK ELEVATION

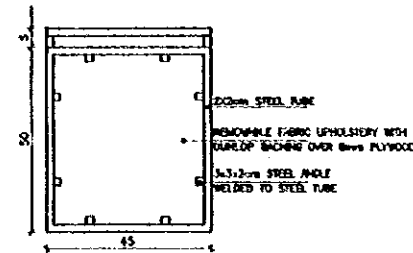


DET 1  
SCALE = 1:1

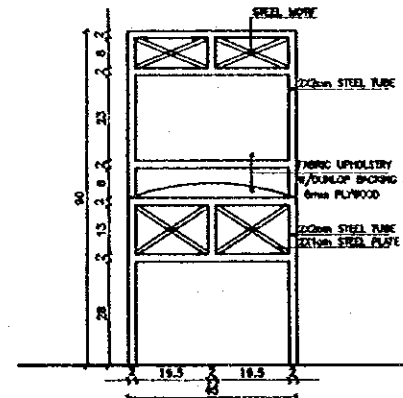


SIDE ELEVATION

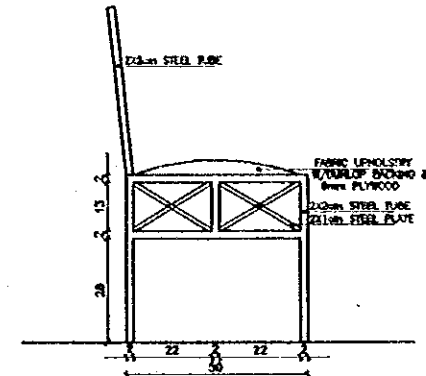
1 OFFICE DESK  
SCALE = 1:20



PLAN

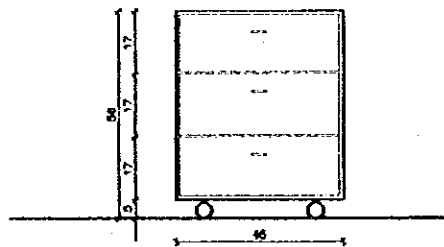


FRONT ELEVATION

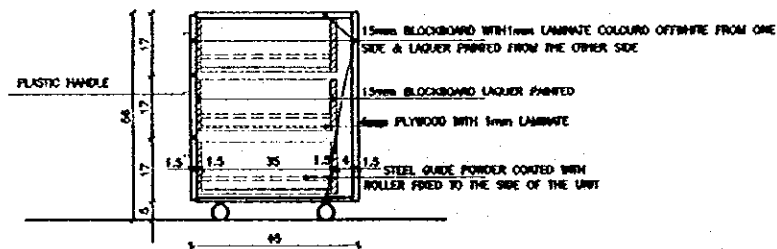


SIDE ELEVATION

2 OFFICE CHAIR  
SCALE = 1:10

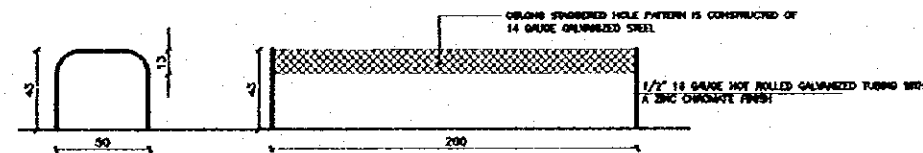


FRONT ELEVATION



SECTION

3 DRAWERS UNIT DETAIL FOR DESKS  
SCALE = 1:10



SIDE ELEVATION

FRONT ELEVATION

NOTE: SEAT SHALL BE PHOSPHATE FINISHED TO ENSURE FUSION WITH THE FINISH.  
ALL METAL SHALL BE FINISHED WITH AN ELECTROSTATICALLY APPLIED POLYESTER POWDER COATING.

4 STEEL BENCH  
SCALE = 1:20

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

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

SUB-PROJECT:  
Karak Tourism Development Project  
Karak Castle Museum

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Subcontracted Local Consultant:

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engineering & environment  
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FURNITURE DETAILS

Drawing Size:

Date: 1/10, 1/20, 1/1

Drawing No: KCM-A-008

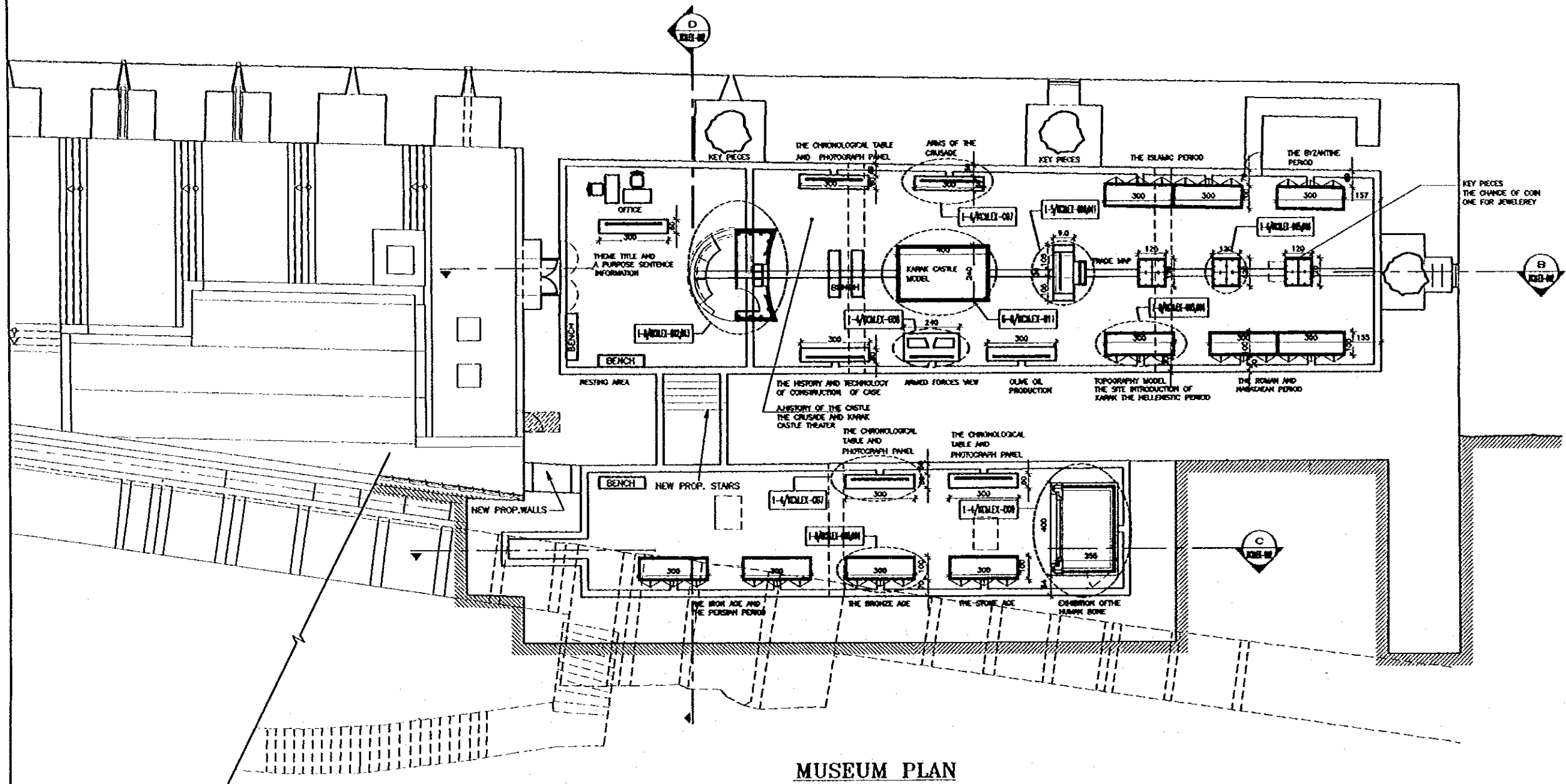
**Project:**  
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**Executing Agency:**  
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**SUB-PROJECT:**  
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 Karak Castle Museum

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**MUSEUM PLAN**  
 1/100

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**Subcontracted Local Consultant:**

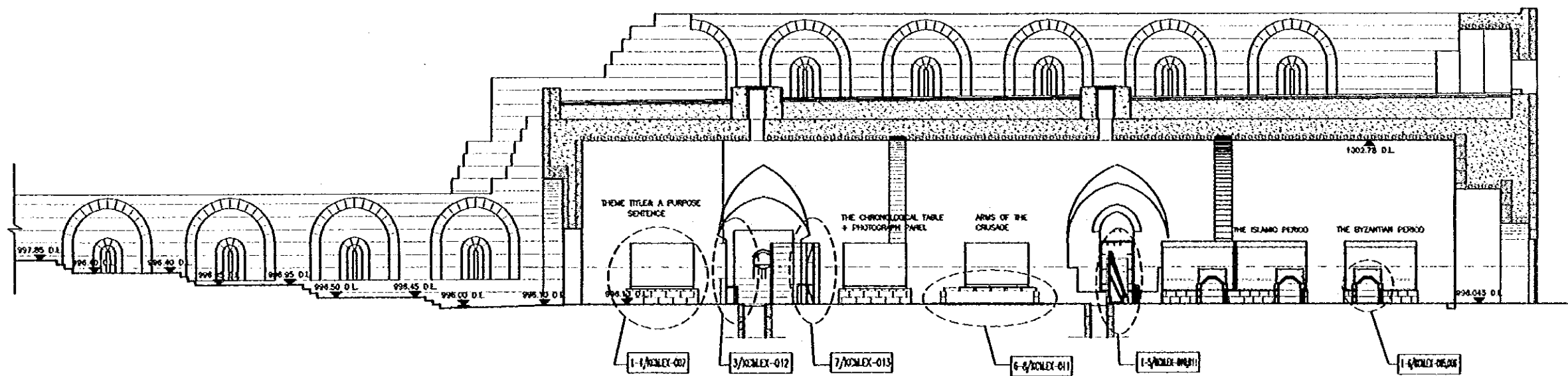
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**EXHIBITION PLAN**

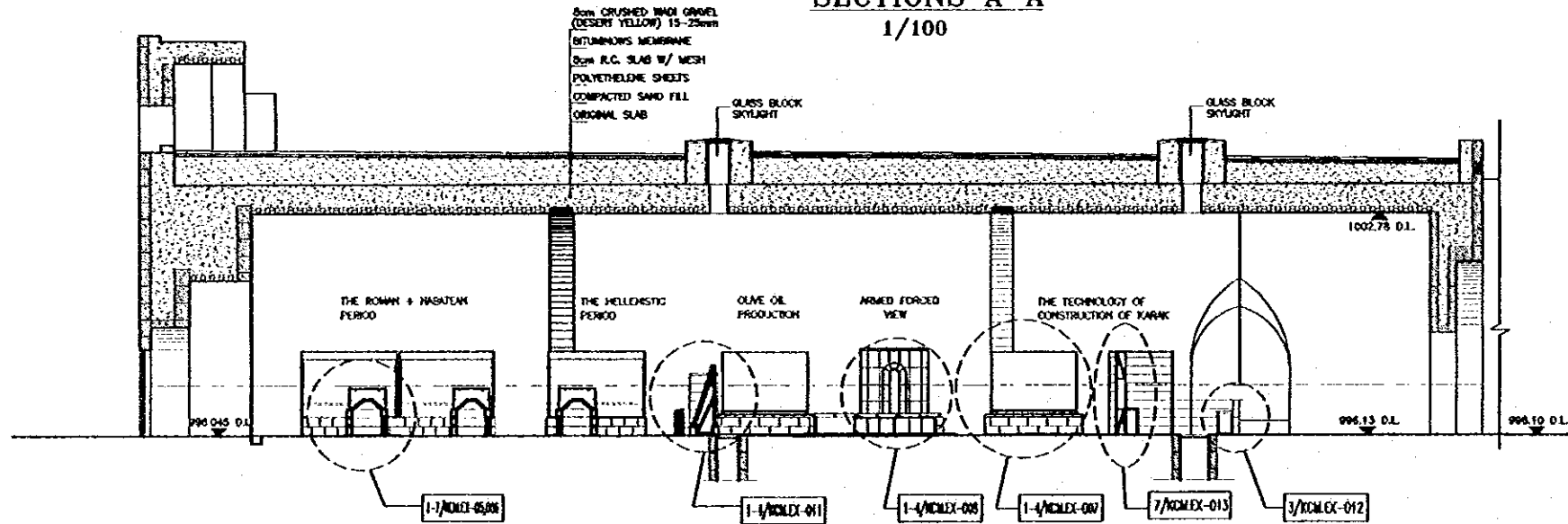
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**Scale:** 1/100

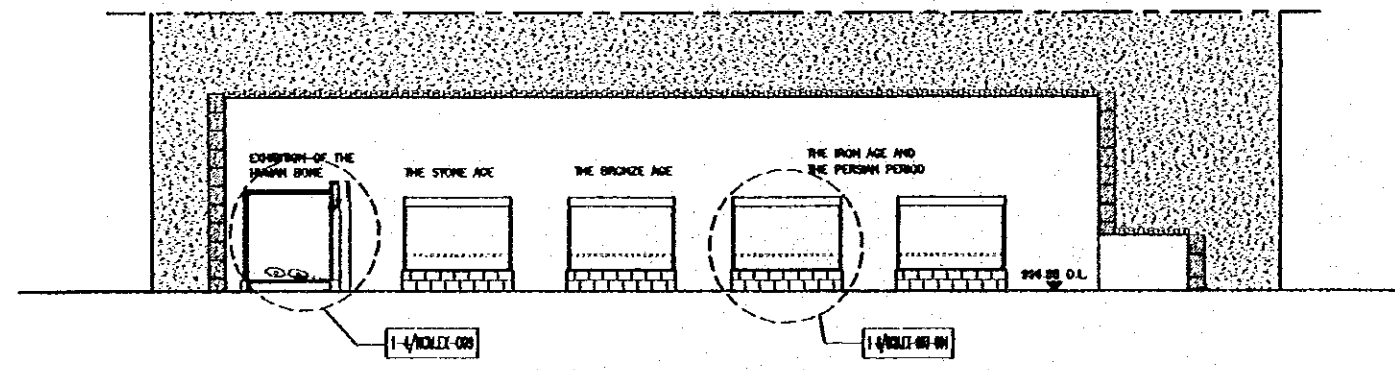
**Drawing No.:** KCMEX-001



SECTIONS A-A  
1/100



SECTIONS B-B  
1/100



SECTIONS C-C  
1/100

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

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Subcontracted Local Consultant:

**consolidated consultants**  
Engineering & Construction  
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**EXHIBITION SECTIONS**

Drawing Title:  
Scale:  
Drawing No.: KCM-EX-002  
1:100

12

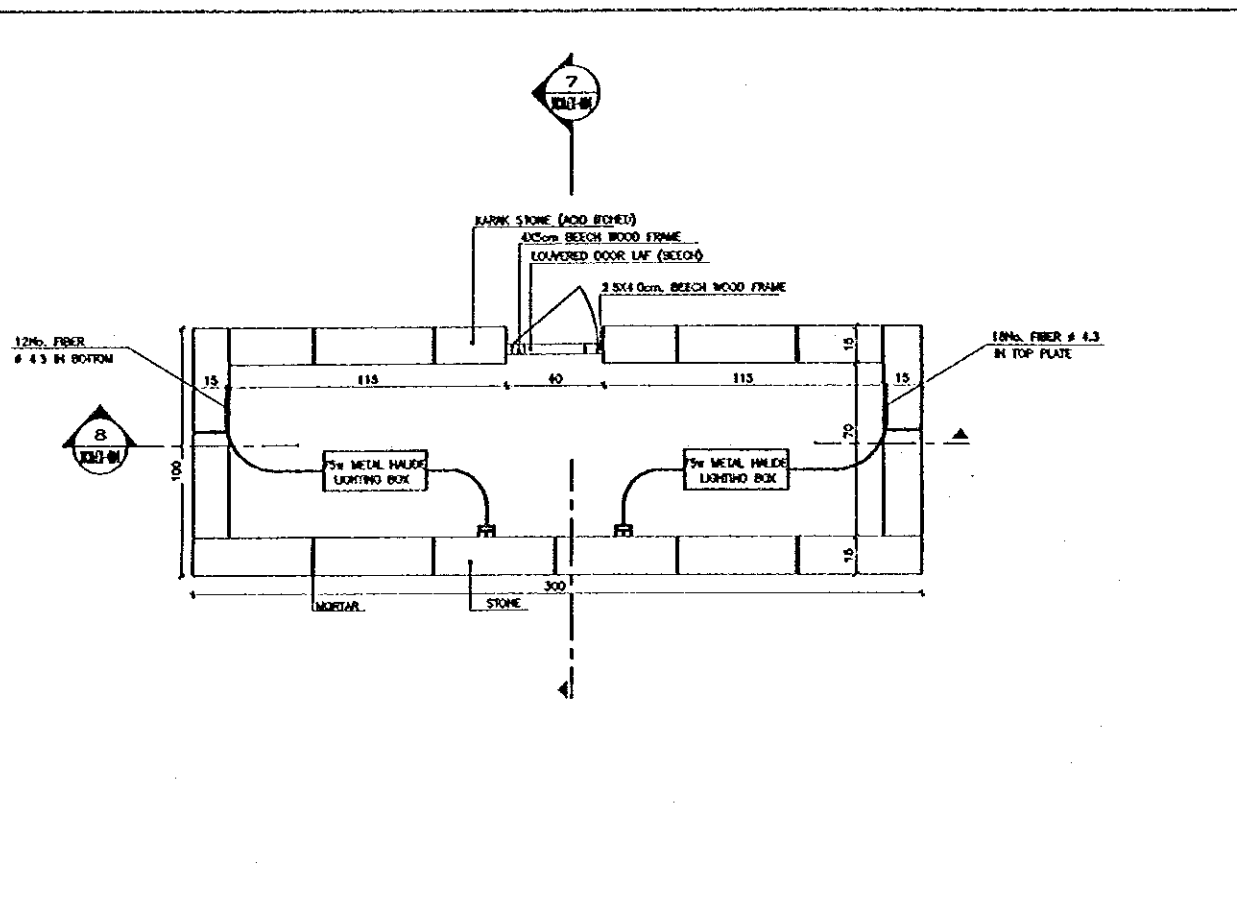


Project:  
 Tourism Sector Development Project  
 In the Hashemite Kingdom of Jordan

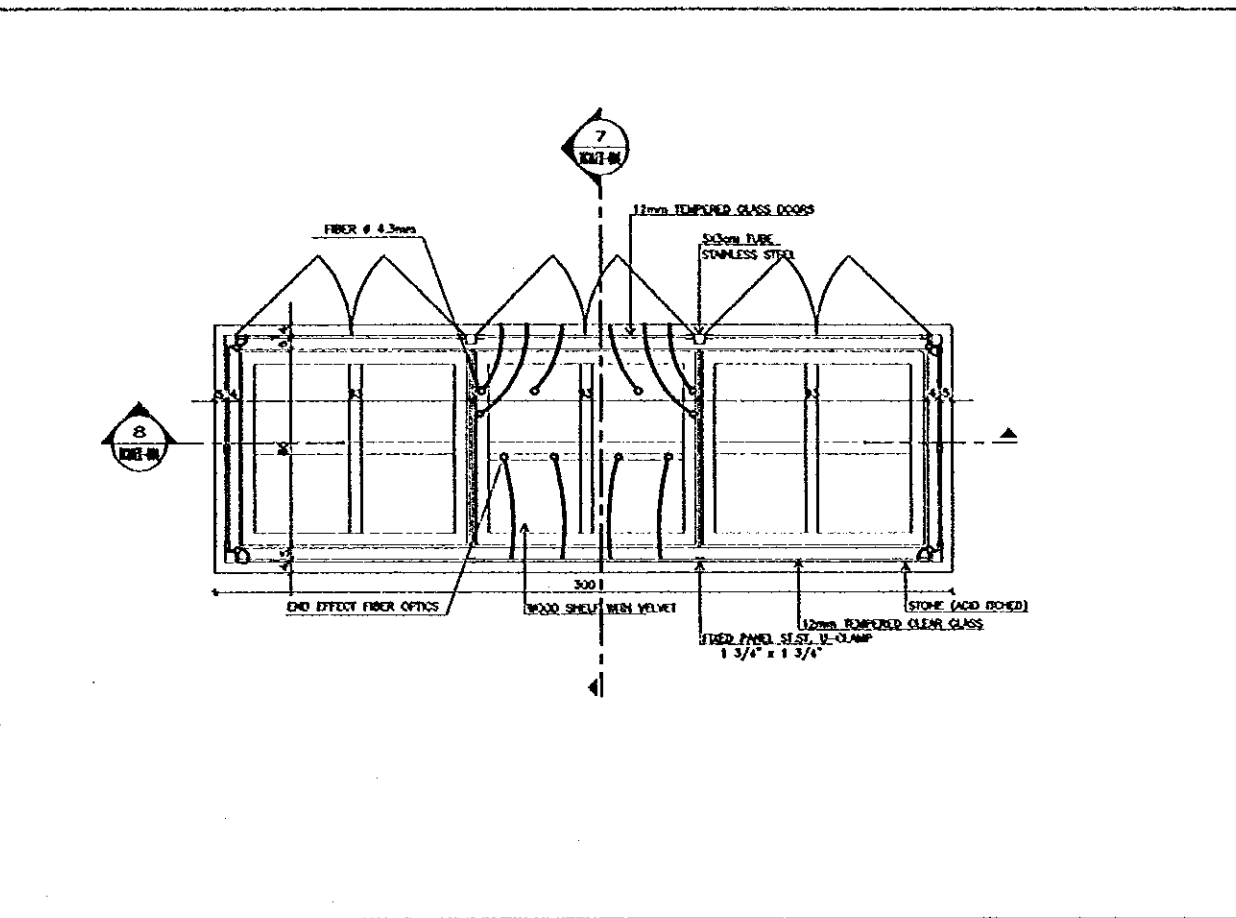
Executing Agency:  
 The Ministry of Tourism and Antiquities  
 The Ministry of Planning

SUB-PROJECT:  
 Karak Tourism Development Project  
 Karak Castle Museum

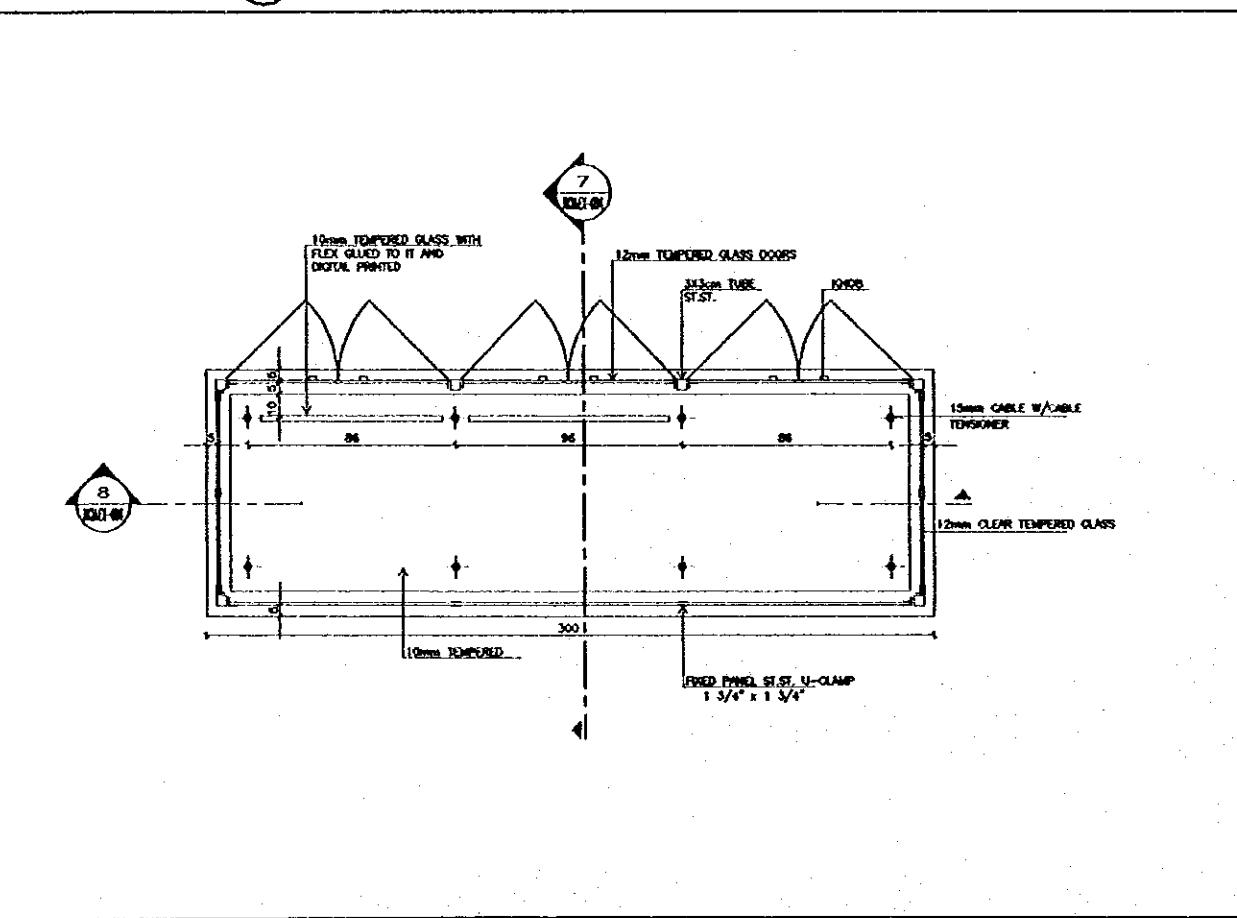
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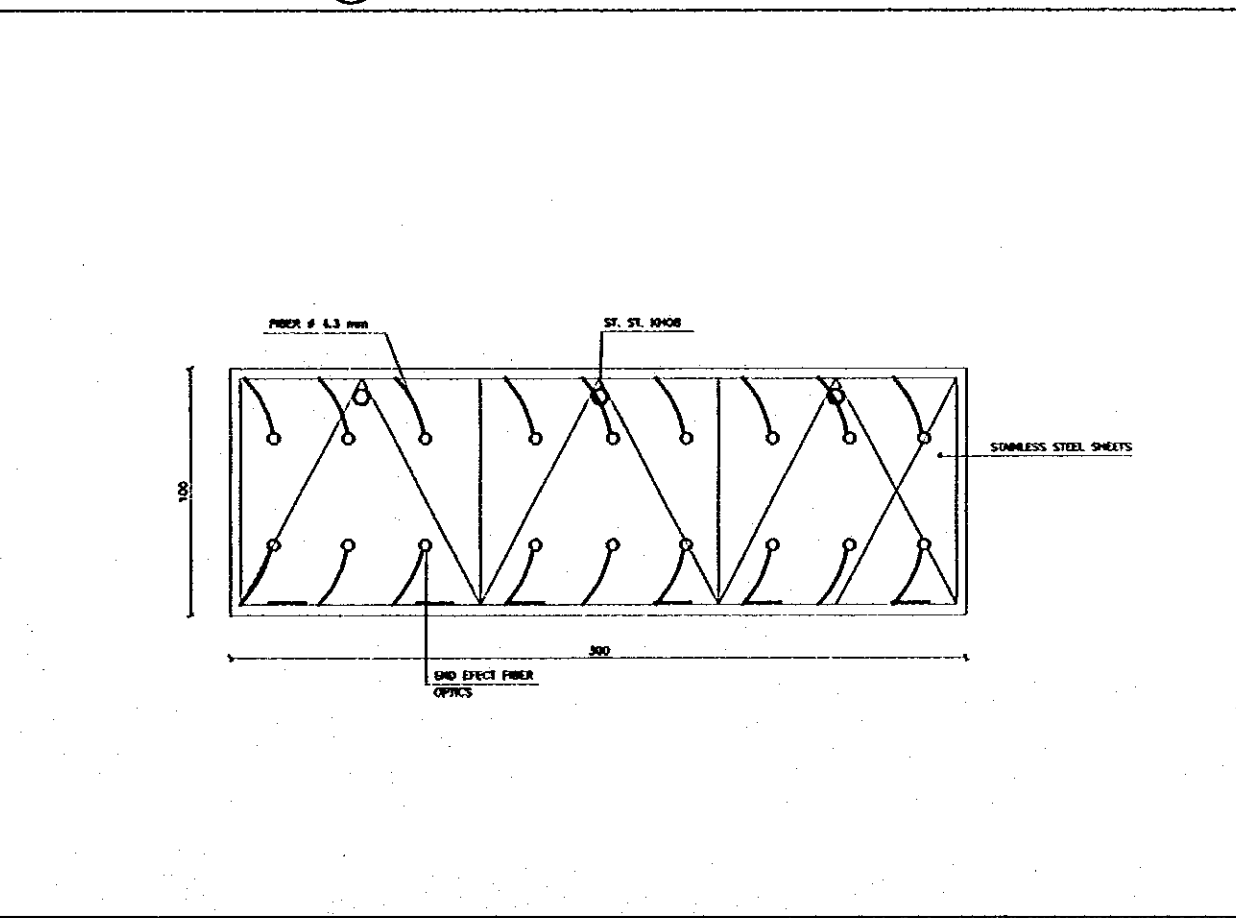
1 PLAN OF BASE OF SHOWCASE WITH LIGHTING  
 SCALE = 1:15



2 PLAN AT VELVET SHELVES WITH LIGHTING  
 SCALE = 1:15



3 PLAN AT GLASS SHELVES  
 SCALE = 1:15



4 TOP VIEW WITH LIGHTING  
 SCALE = 1:15

- NOTE:
1. LEVEL OF GLASS SHELVES & THEIR NUMBERS SHOULD BE ADJUSTED ACCORDING TO EXHIBITS SIZE & NUMBERS
  2. SIZE OF GLASS PANELS & THE DIMS ENGRAVED ON THEM SHOULD BE COORDINATED WITH KARAK DEPARTMENT OF ANTIQUITIES
  3. NO. & SIZE OF NONBLE WOOD SHELVES THAT ARE VELVET COVERED, SIZE SHOULD BE COORDINATED WITH KARAK DEPARTMENT OF ANTIQUITIES
  4. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS TO EACH CASE, SHOWING EACH EXHIBED ITEM & ITS LOCATION

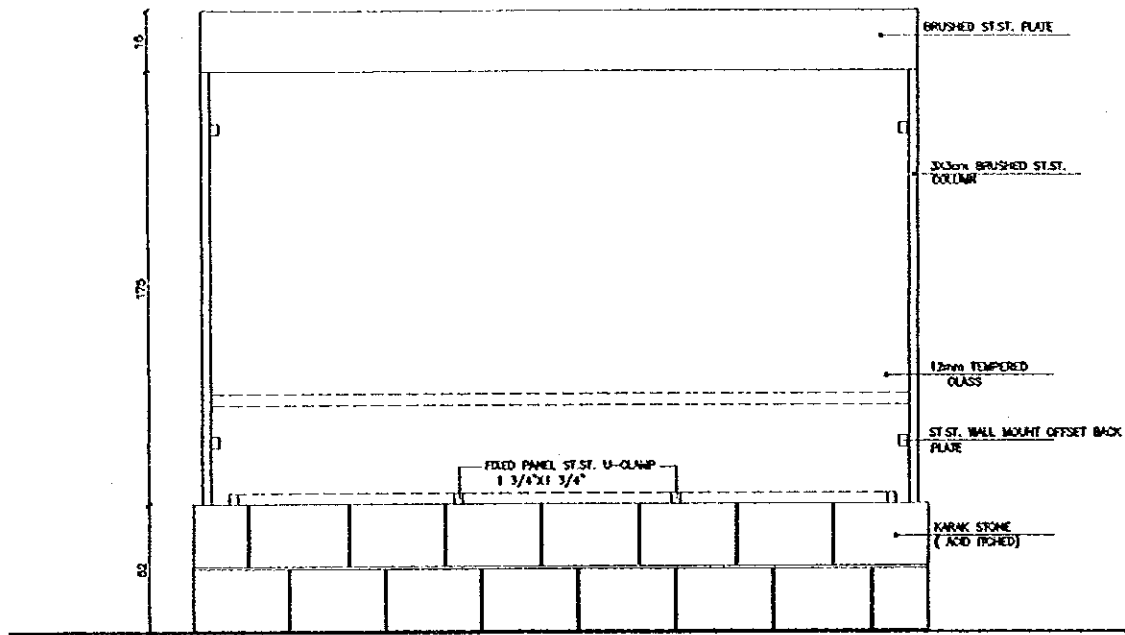
Designed by:  
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 Yamamoto Sekido Inc.  
 Subcontracted Local Consultant:

consolidated consultants  
 engineering & environment  
 Tel. 002377 - Fax 002386 - AMMAN - JORDAN

MAIN SHOWCASE  
 PLANS & LIGHTING

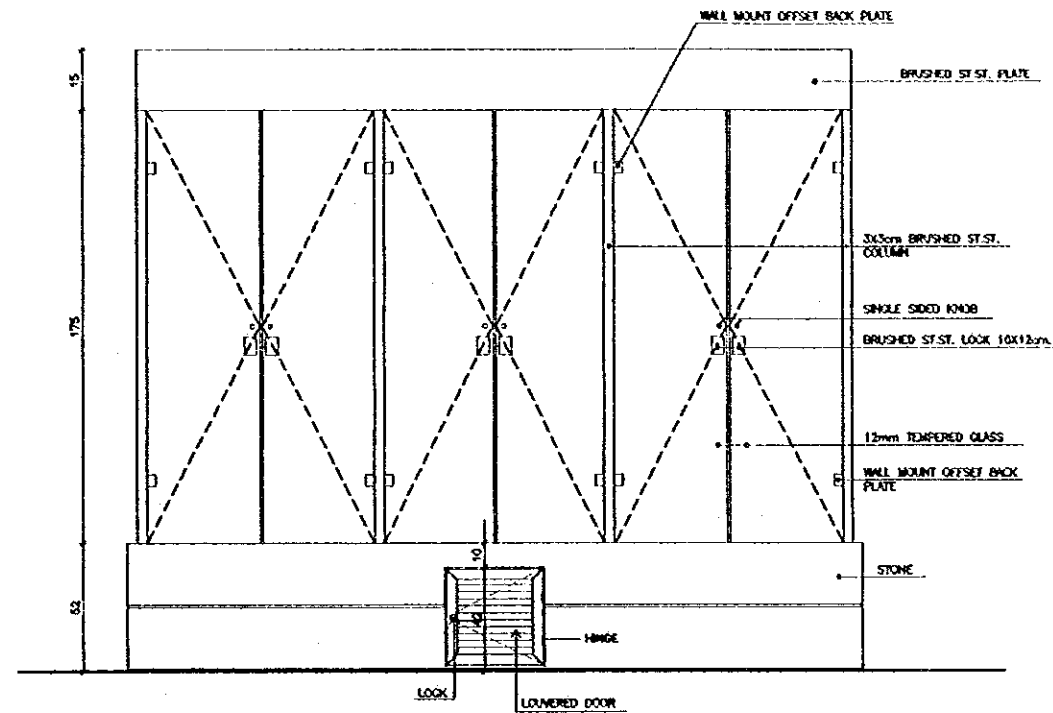
Scale: 1:15  
 Drawing No.: KOWEX-003

13



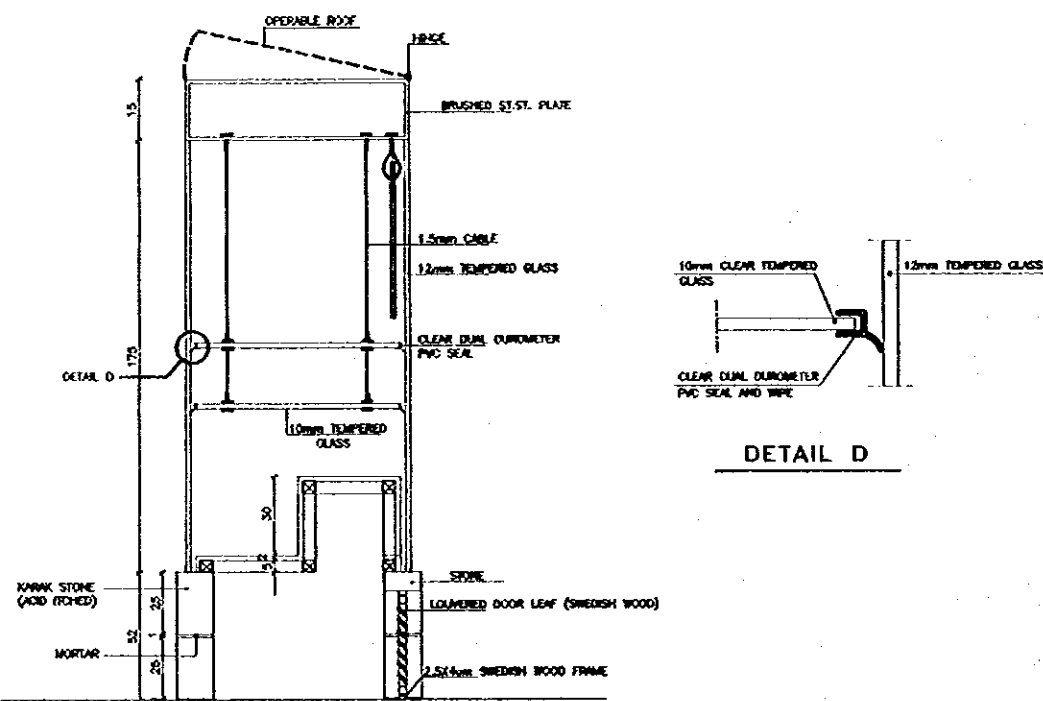
5 FRONT ELEVATION

SCALE = 1:15



6 BACK ELEVATION

SCALE = 1:15

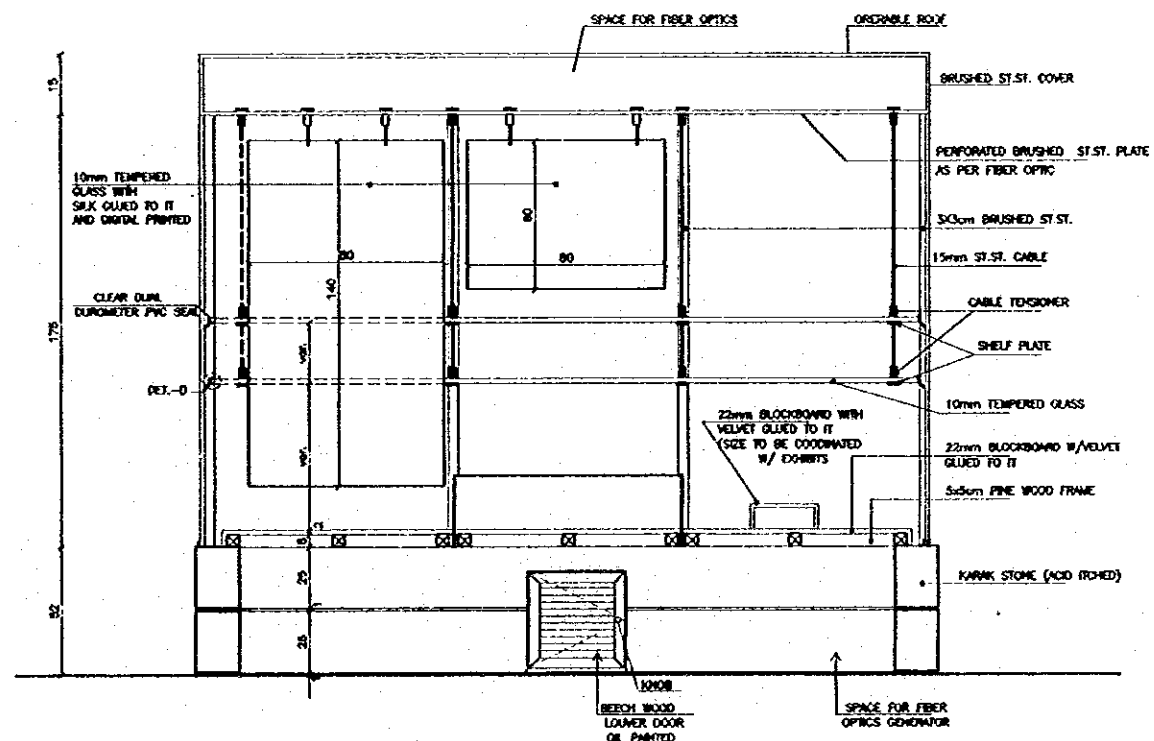


DETAIL D

NOTE  
THE LEVEL OF GLASS SHELVES SHOULD BE ADJUSTED  
ACCORDING TO EXHIBITS AGES & SIZES

7 SECTION

SCALE = 1:15



8 SECTION

SCALE = 1:15

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

Executing Agency

The Ministry of Tourism and Antiquities  
The Ministry of Planning

SUB-PROJECT:

Karak Tourism Development Project  
Karak Castle Museum

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ENGINEERING & DESIGN BUREAU  
14 001277 - Fax: 001380 - AMM - JORDAN

MAIN SHOWCASE  
ELEVATION & SECTIONS

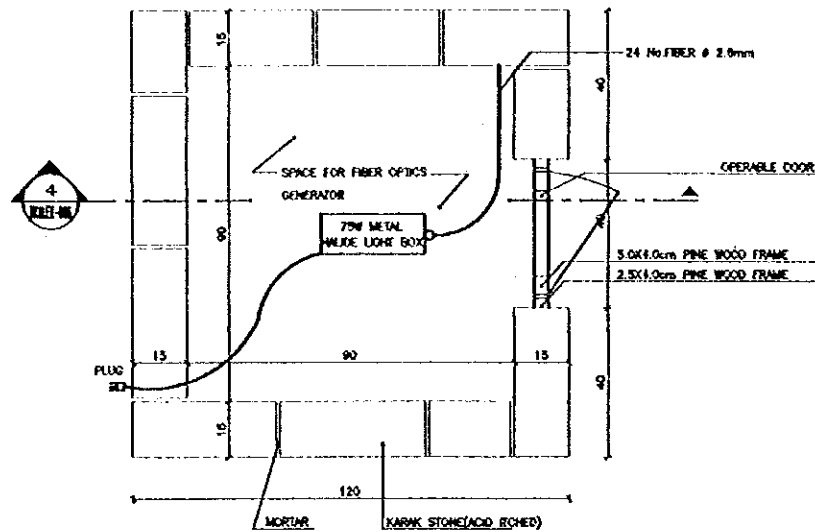
Drawing Title

Scale

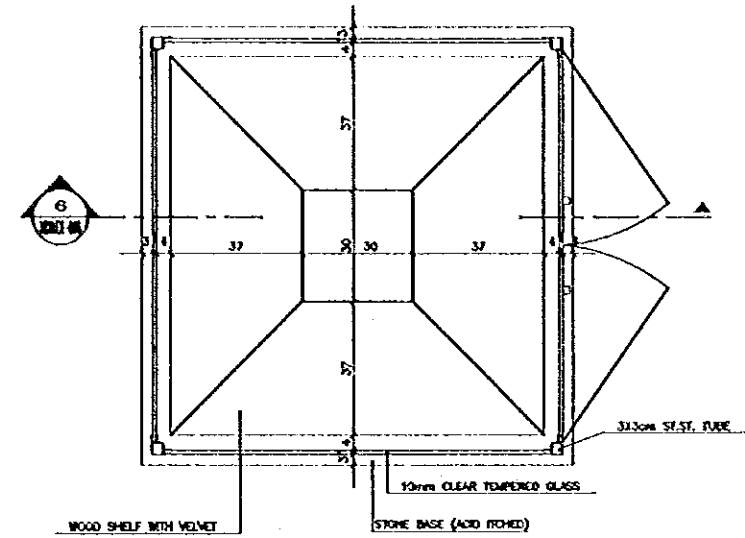
Drawing No.

1/15

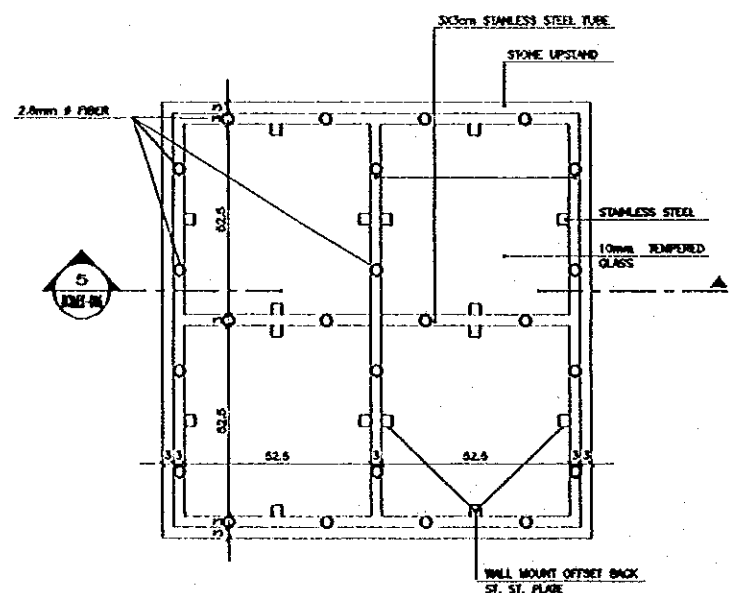
KCMEX-004



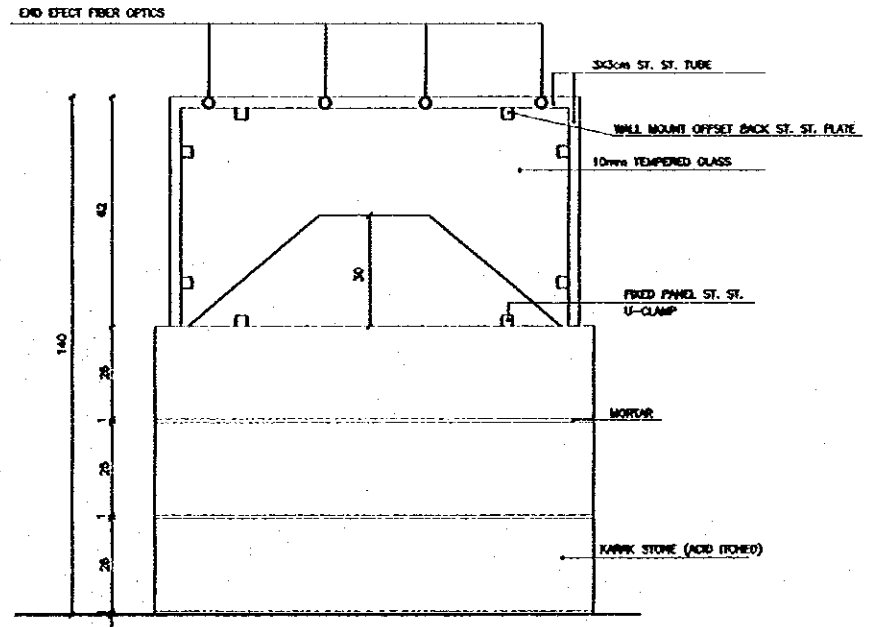
1 PLAN OF STONE BASE WITH LIGHTING  
SCALE = 1:10



2 PLAN AT SHELF  
SCALE = 1:10



3 TOP VIEW WITH LIGHTING  
SCALE = 1:10



4 FRONT ELEVATION WITH LIGHTING  
SCALE = 1:10

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

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

**SUB-PROJECT:**  
Karak Tourism Development Project  
Karak Castle Museum

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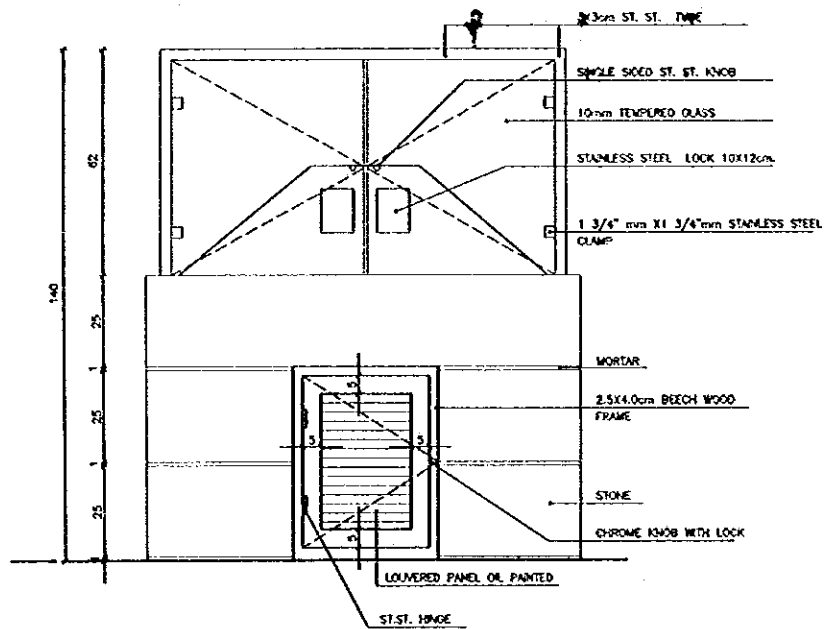
**Subcontracted Local Consultant:**

**consolidated consultants**  
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Tel: 4912071 - Fax: 4912080 - AMM - 20001

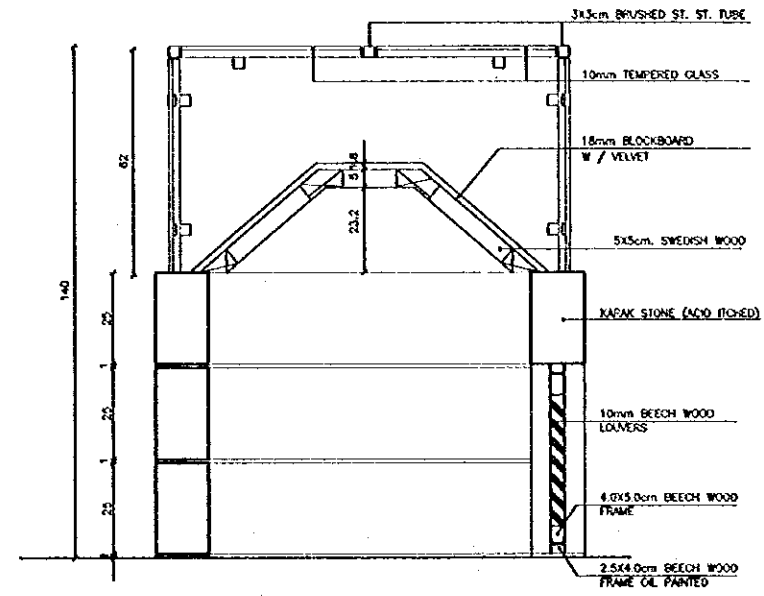
**COINS SHOWCASE & LIGHTING**  
Drawing Title:

Scale: 1/10  
Drawing No: KCMEX-005

15



6 BACK ELEVATION  
SCALE = 1:10



5 SECTION A-A  
SCALE = 1:10

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

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

SUB-PROJECT:  
Karak Tourism Development Project  
Karak Castle Museum

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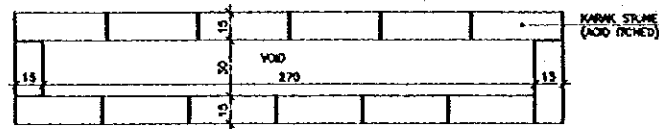
COINS SHOWCASE

Drawing Title:

Scale:  
1/10

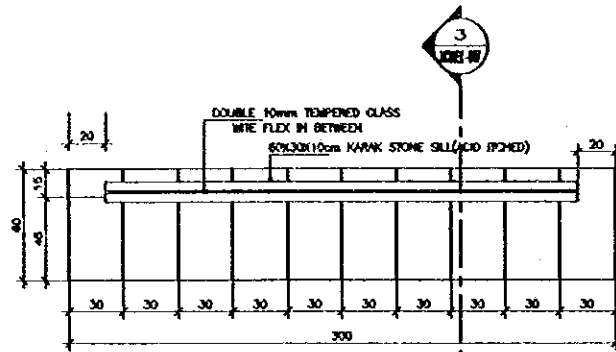
Drawing No.:  
KCM.EX-006

91



PLAN OF BASE

SCALE = 1:20



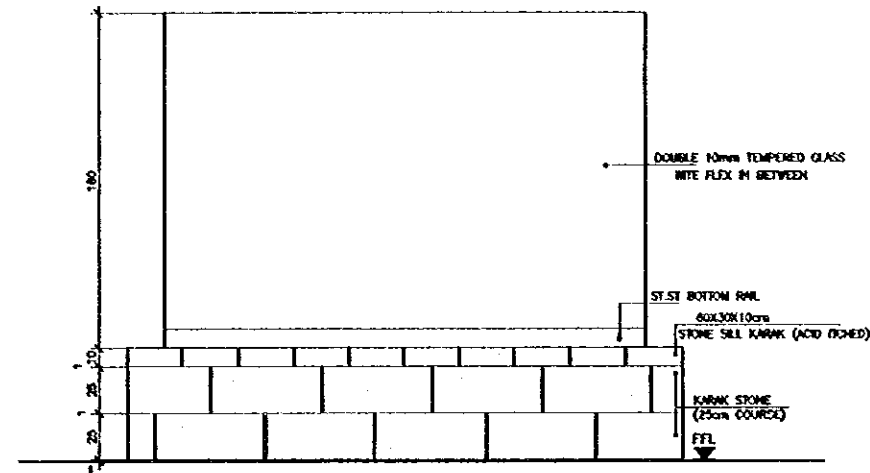
PLAN

SCALE = 1:20



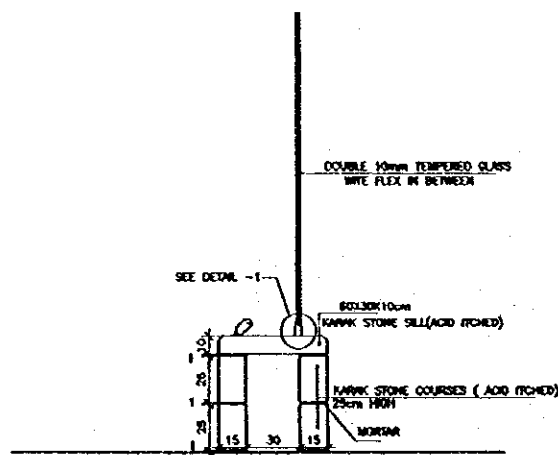
PLAN

SCALE = 1:20



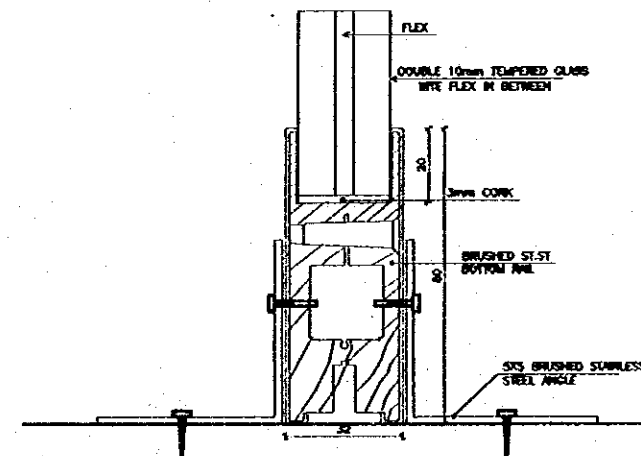
ELEVATION

SCALE = 1:10



SECTION THROUGH GLASS PANEL

SCALE = 1:20



DETAIL - 1

SCALE = 1:1

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

Executing Agency

The Ministry of Tourism and Antiquities  
The Ministry of Planning

SUB-PROJECT:

Karak Tourism Development Project  
Karak Castle Pathways

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Engineering & Environment  
Tel. 009377 - Fax 009378 - 3000 - 3000

GLASS PANELS

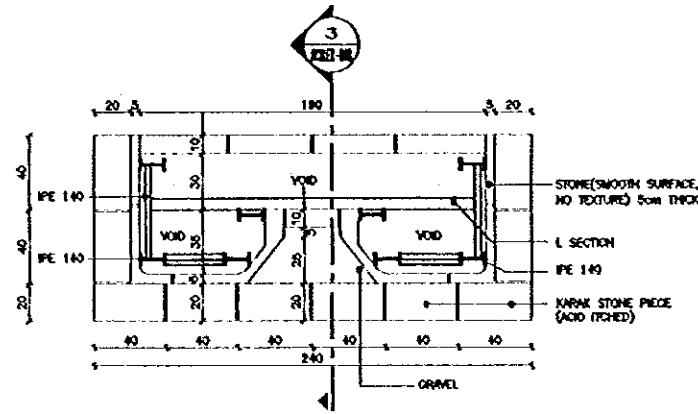
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Scale:

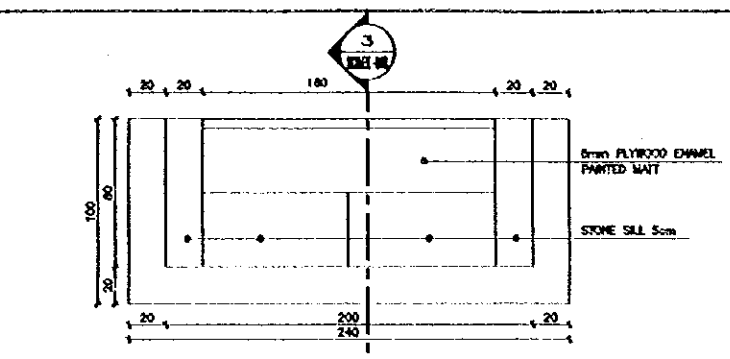
1/20/1/1

Drawing No.:

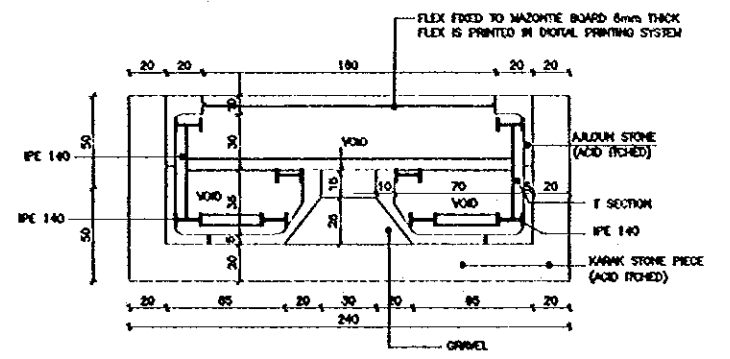
KCM/EX-007



1 PLAN AT BASE SCALE = 1:20

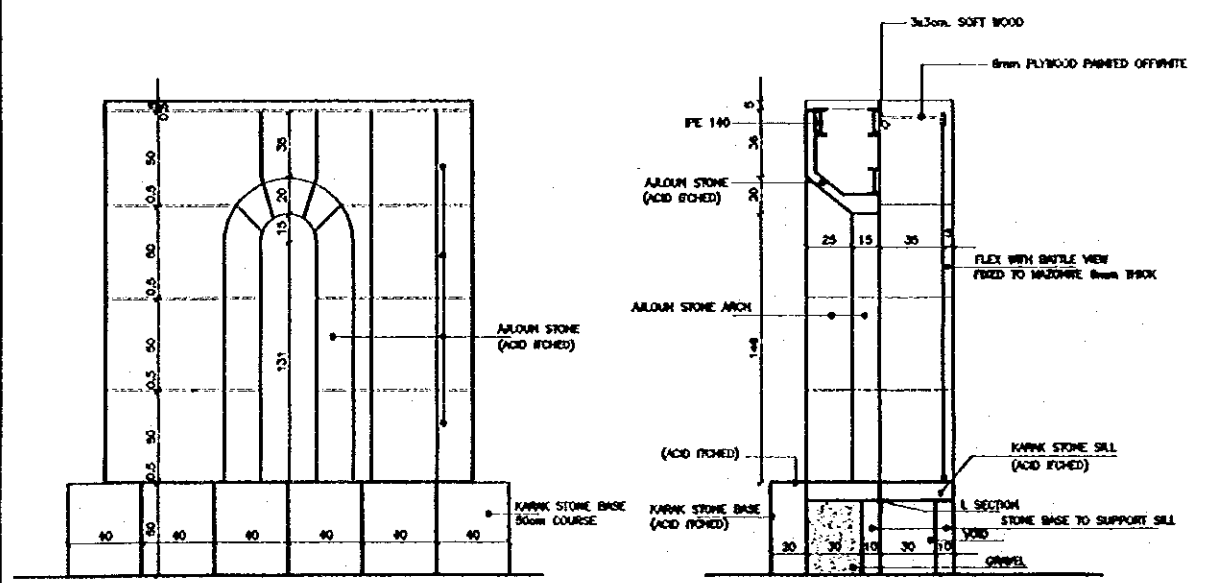


TOP VIEW SCALE = 1:20

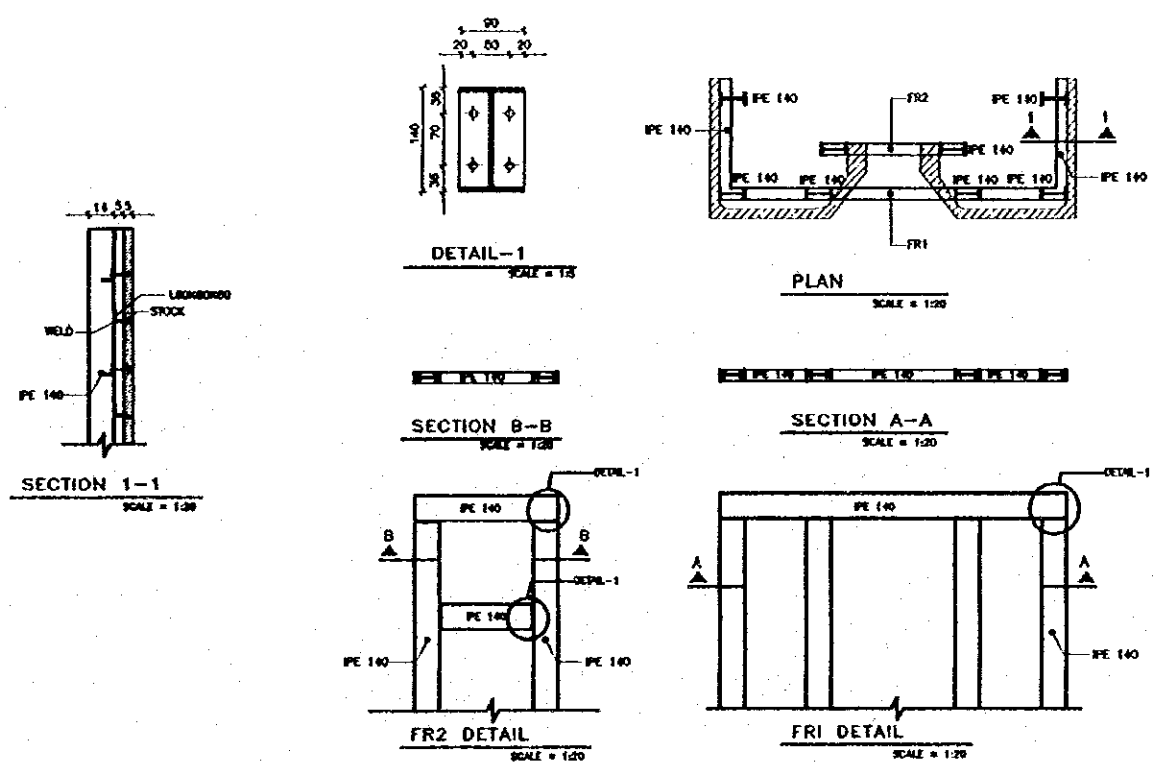


PLAN SCALE = 1:20

2 PLAN AND TOP VIEW SCALE (PLAN) = 1:20



3 ELEVATION AND SECTION (A-A) SCALE = 1:20



NOTE:  
 -ALL STEEL STRUCTURE SHALL BE PAINTED WITH PRIMER & UNDERCOAT BEFORE BEING BROUGHT TO SITE, FINAL COAT SHALL BE APPLIED ON SITE.  
 -ALL STEEL ACCESSORIES, RODS & BAR SHALL BE GALVANIZED.

4 STEEL STRUCTURAL DETAILS SCALE: 1/2, 1/20

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

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

**SUB-PROJECT:**  
 Karak Tourism Development Project  
 Karak Castle Museum

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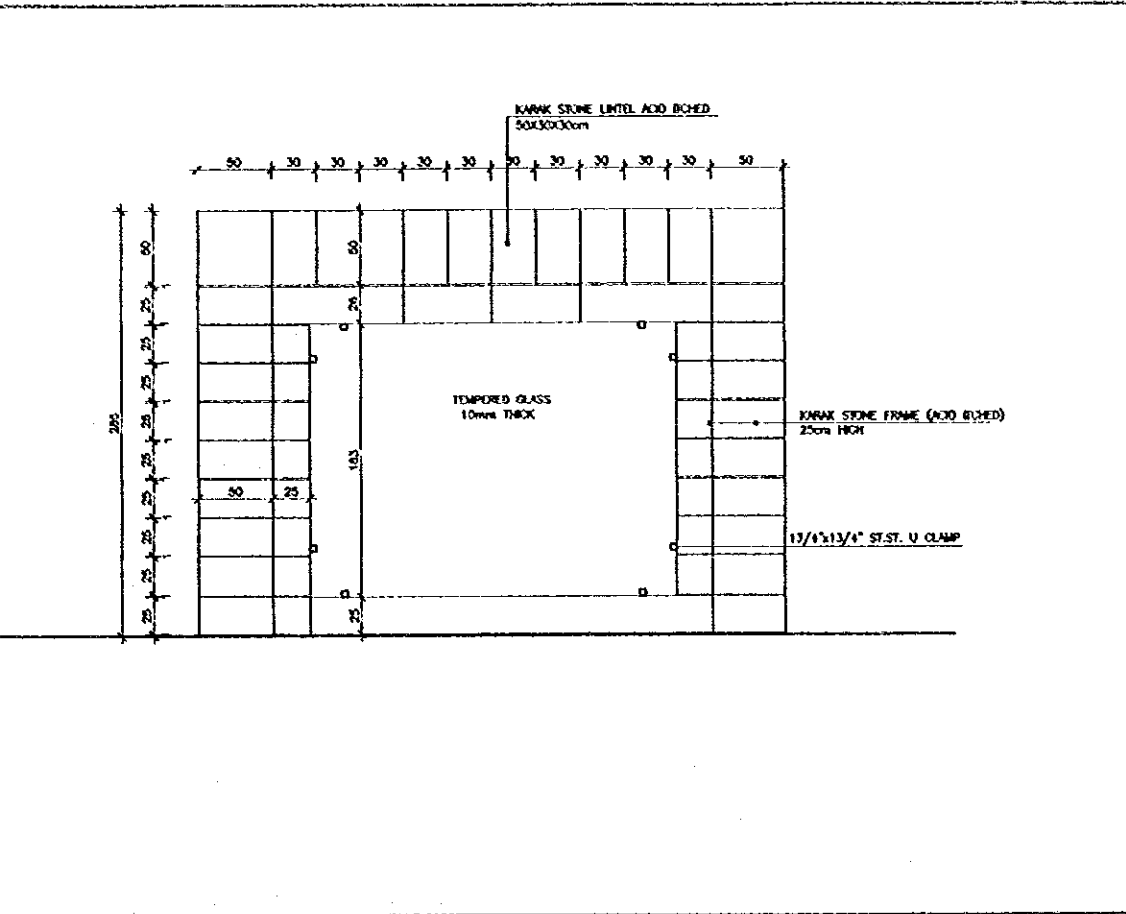
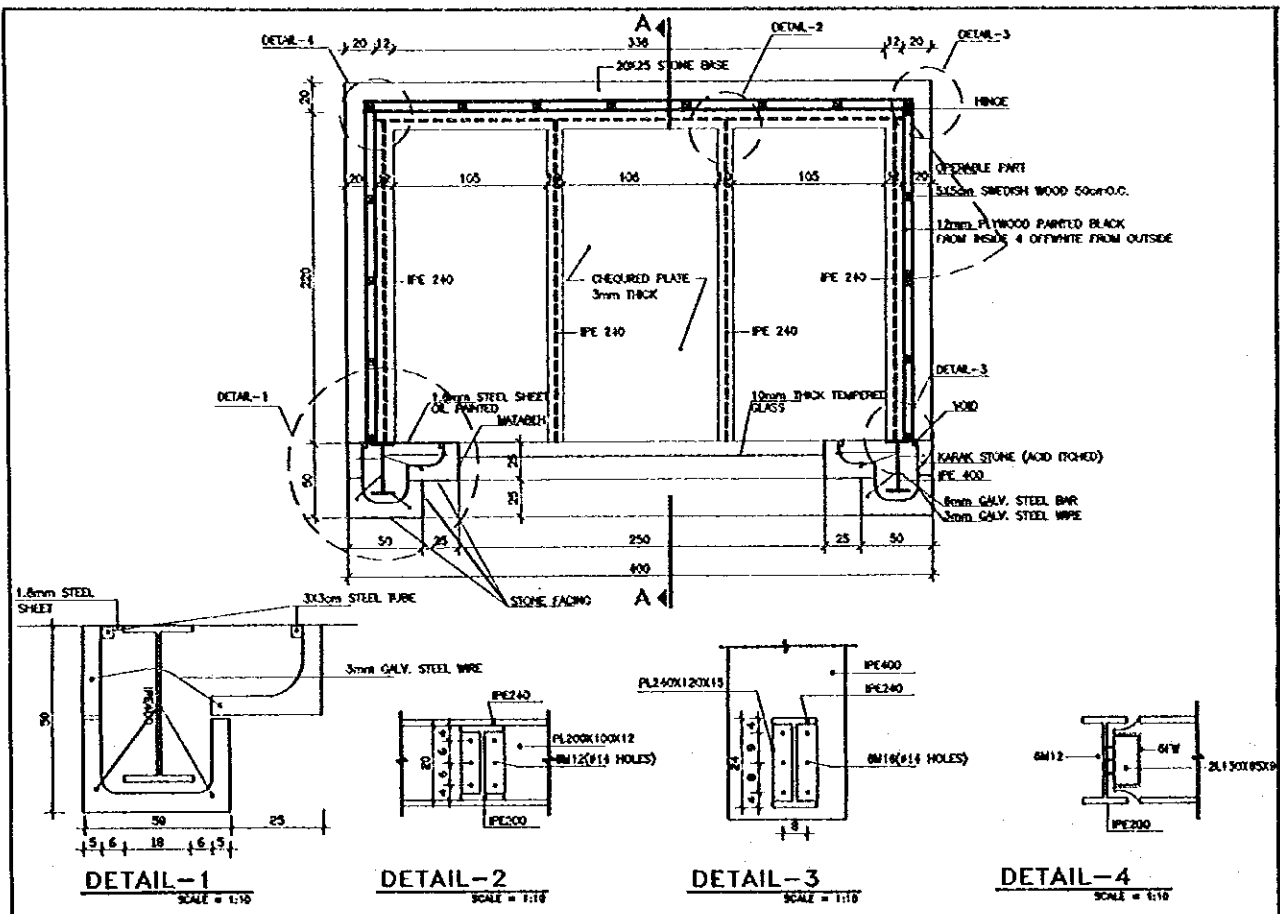
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 Pacific Consultants International and  
 Yamashita Seidai Inc.

**Subcontracted Local Consultant:**

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 Tel: 011577 - Fax: 011578 - AMM - 20000

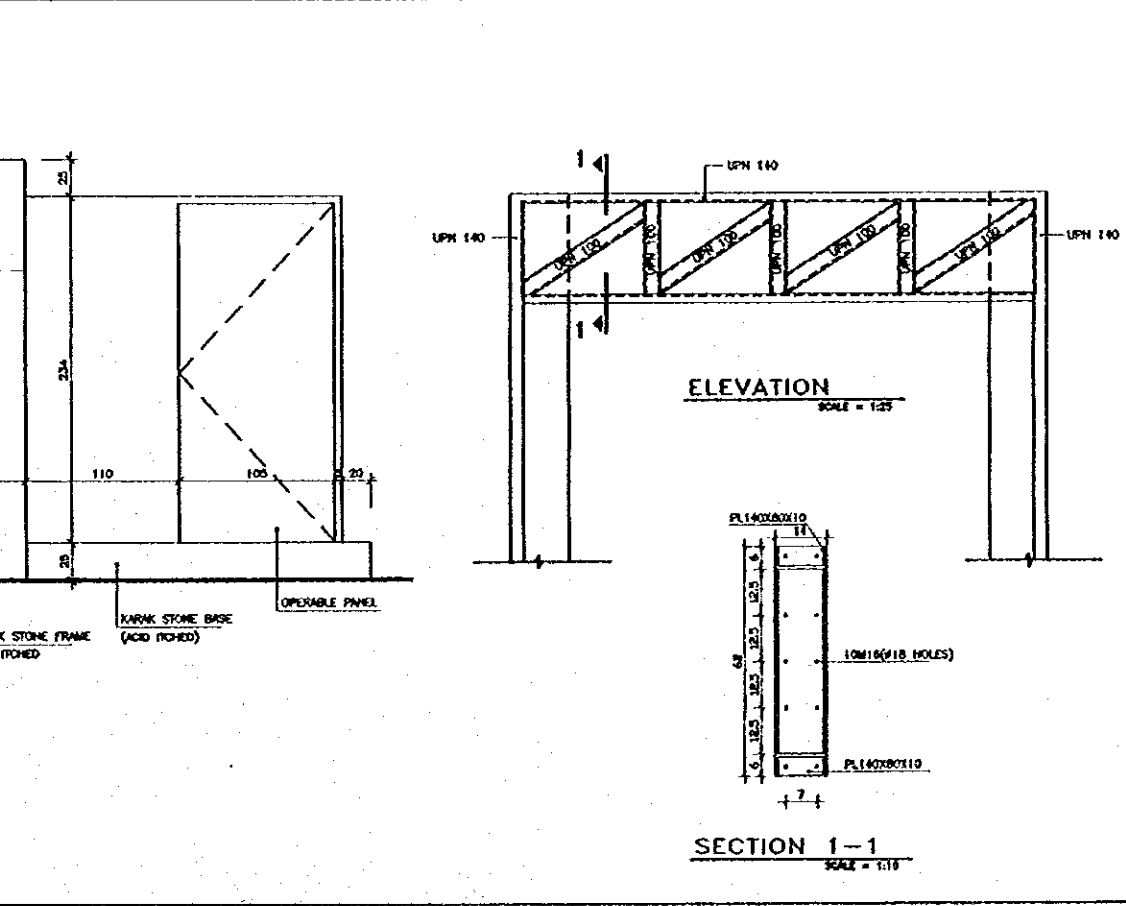
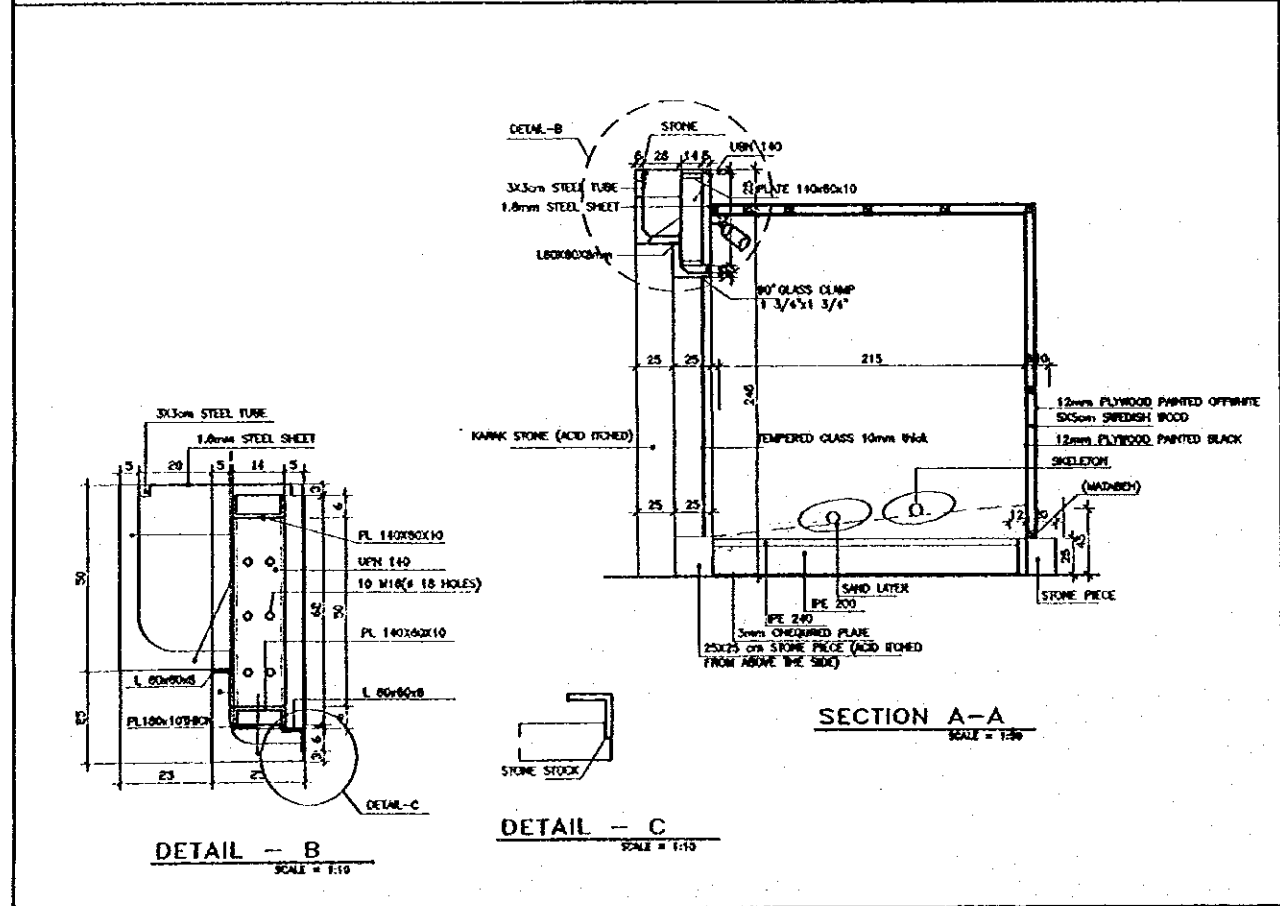
**TELESCOPIC WINDOW**

Drawing No.: KCM/EX-008  
 1/5/10



1 PLAN AND STEEL DETAILS SCALE = 1/16, 1/25

2 FRONT ELEVATION SCALE = 1:30



3 SECTION THROUGH THE EXHIBITION OF THE HUMAN BONE SCALE = 1/16, 1/30

4 SIDE ELEVATION SCALE = 1:30

**Project:**  
Tourism Sector Development Project  
In the Hashemite Kingdom of Jordan

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

**SUB-PROJECT:**  
Karak Tourism Development Project  
Karak Castle Museum

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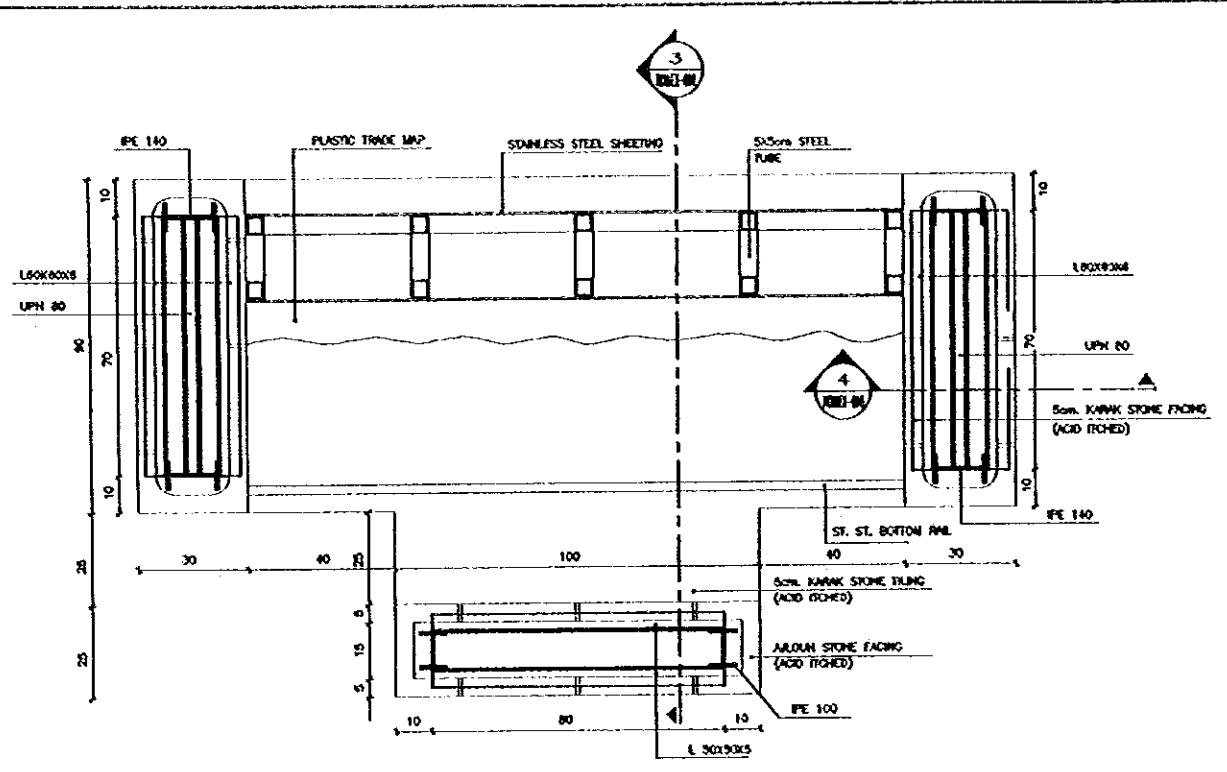
**Subcontracted Local Consultant:**

**consolidated consultants**  
engineering & environmental  
Tel. 00965 2221177 - Fax. 00965 2221180 - RAMM - JORDAN

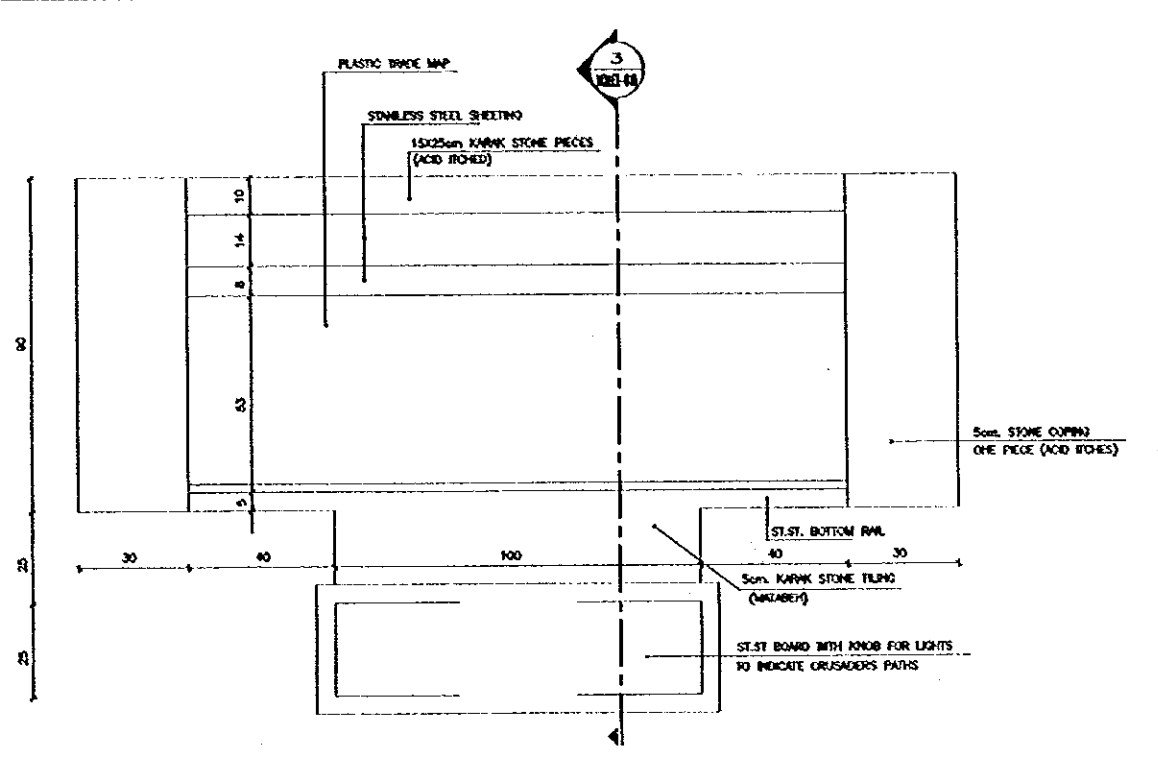
**EXHIBITION OF THE HUMAN BONE**

Drawing No.

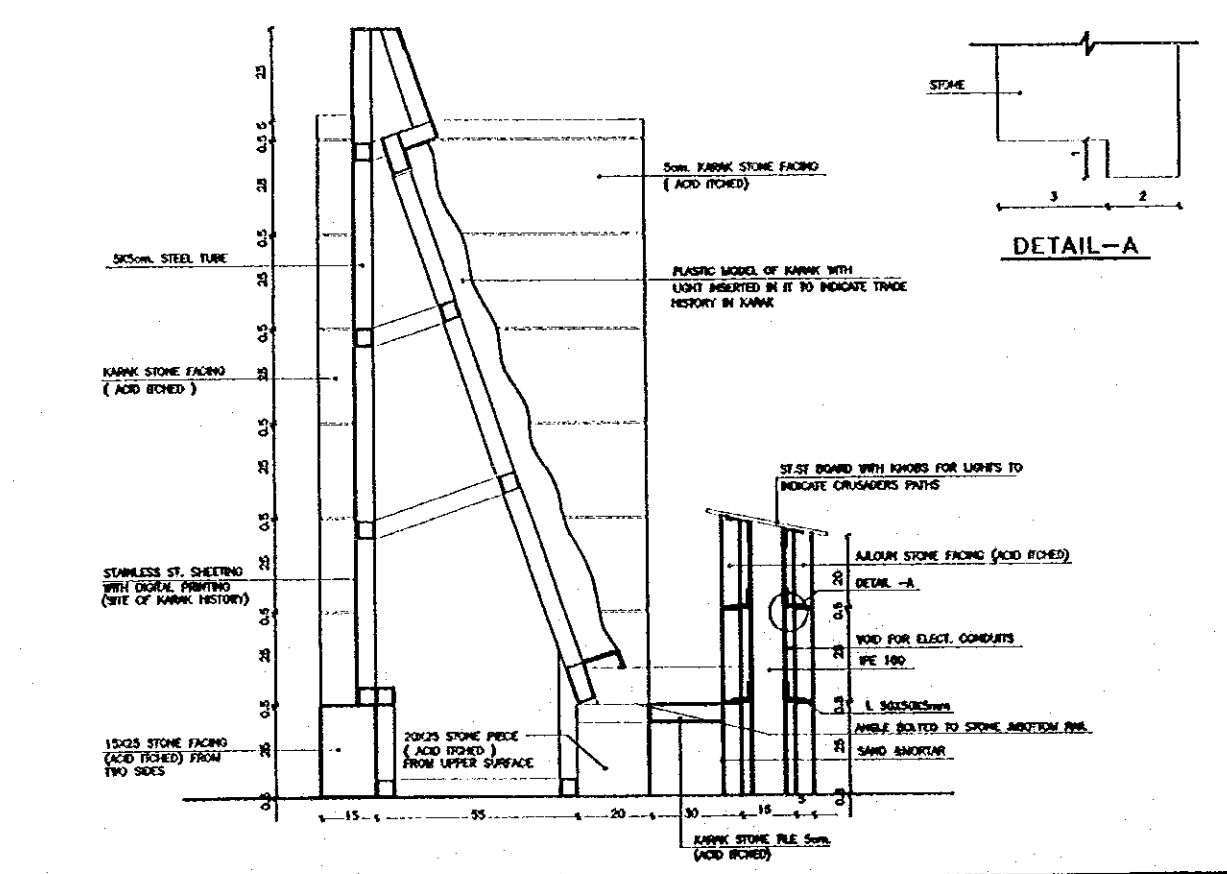
Scale: 1/16, 1/25  
Drawing No.: KCM.EX-009



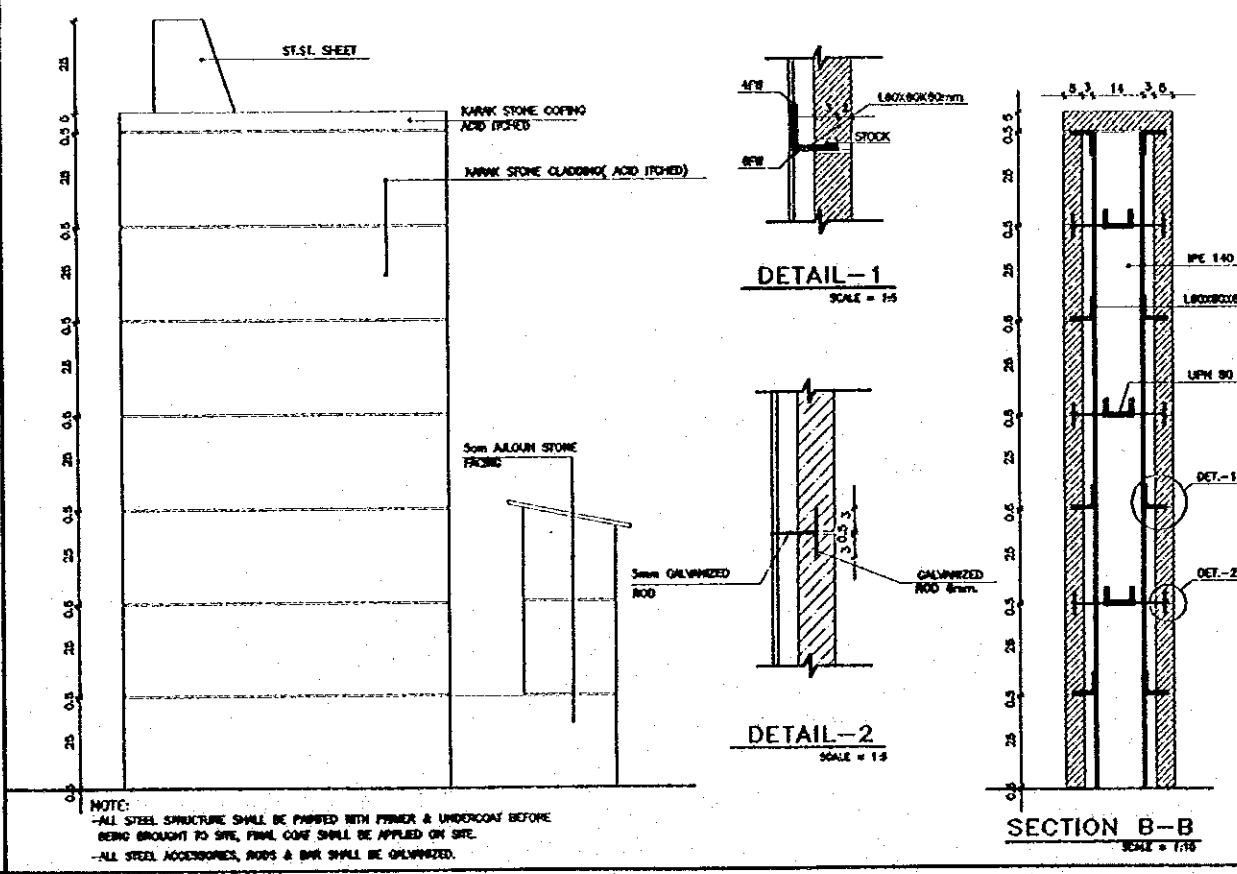
1 PLAN SCALE = 1:10



2 TOP VIEW SCALE = 1:10



3 SECTION A-A SCALE = 1:10



4 SIDE ELEVATION SCALE = 1:10

**Project:**  
Tourism Sector Development Project  
In the Hashemite Kingdom of Jordan

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

**SUB-PROJECT:**  
Karak Tourism Development Project  
Karak Castle Museum

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**TRADE MAP**

Drawing Title

Drawing No.: KCMEX-010

Date: 1/10/75

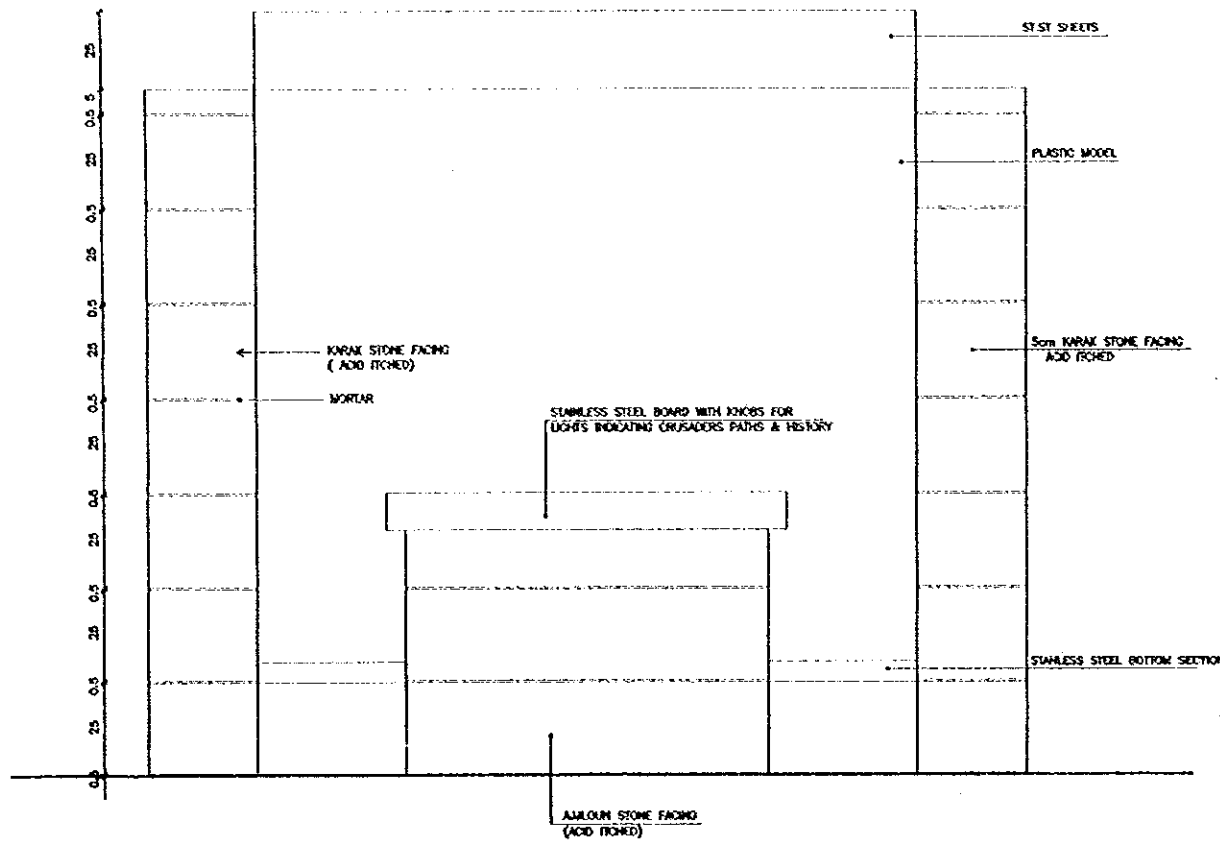


Project:  
Tourism Sector Development Project  
in the Hashemite Kingdom of Jordan

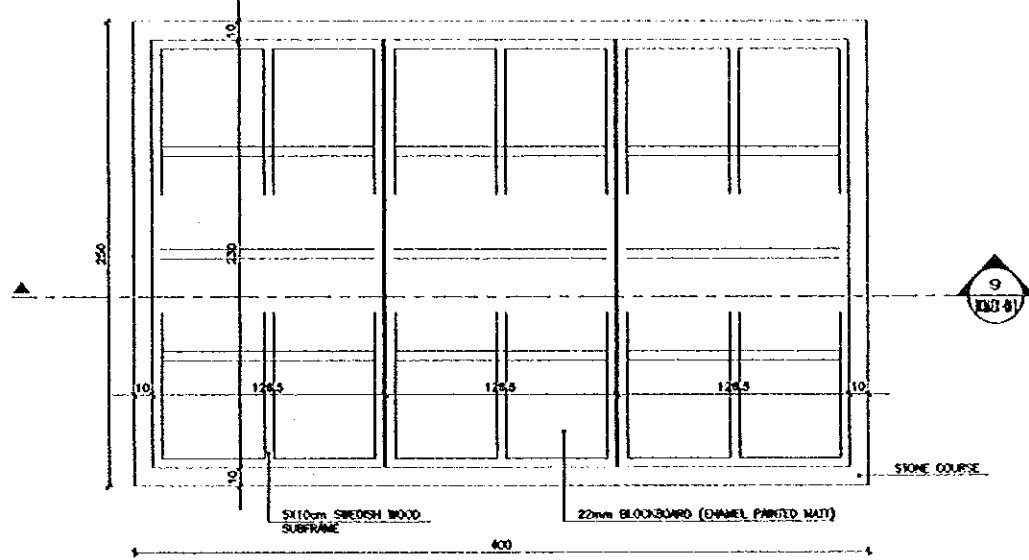
Executing Agency  
The Ministry of Tourism and Antiquities  
The Ministry of Planning

SUB-PROJECT:  
Karak Tourism Development Project  
Karak Castle Museum

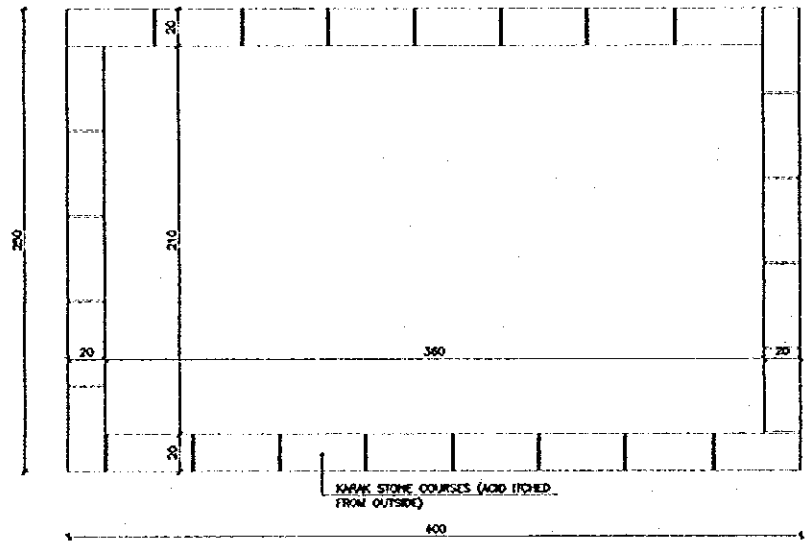
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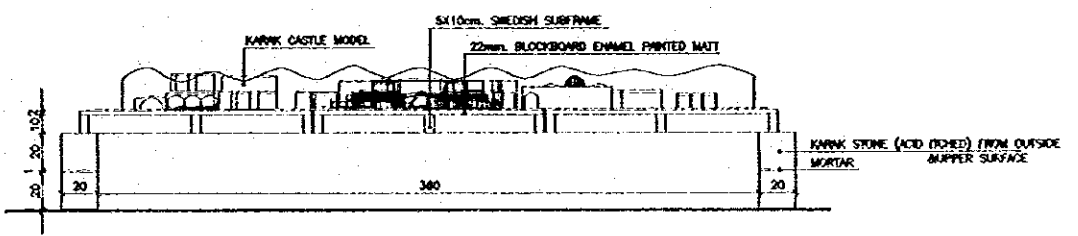
6 FRONT ELEVATION SCALE = 1:10



7 PLAN OF WOOD SHELVES SCALE = 1:20



8 PLAN AT BASE SCALE = 1:20



9 SECTION A-A SCALE = 1:20

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KARAK CASTLE MODEL

Drawing Title:

Scale: 1/20 Drawing No.: KCM-EX-011

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

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

SUB-PROJECT:  
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Karak Castle Museum

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CONSULTING & ENGINEERING  
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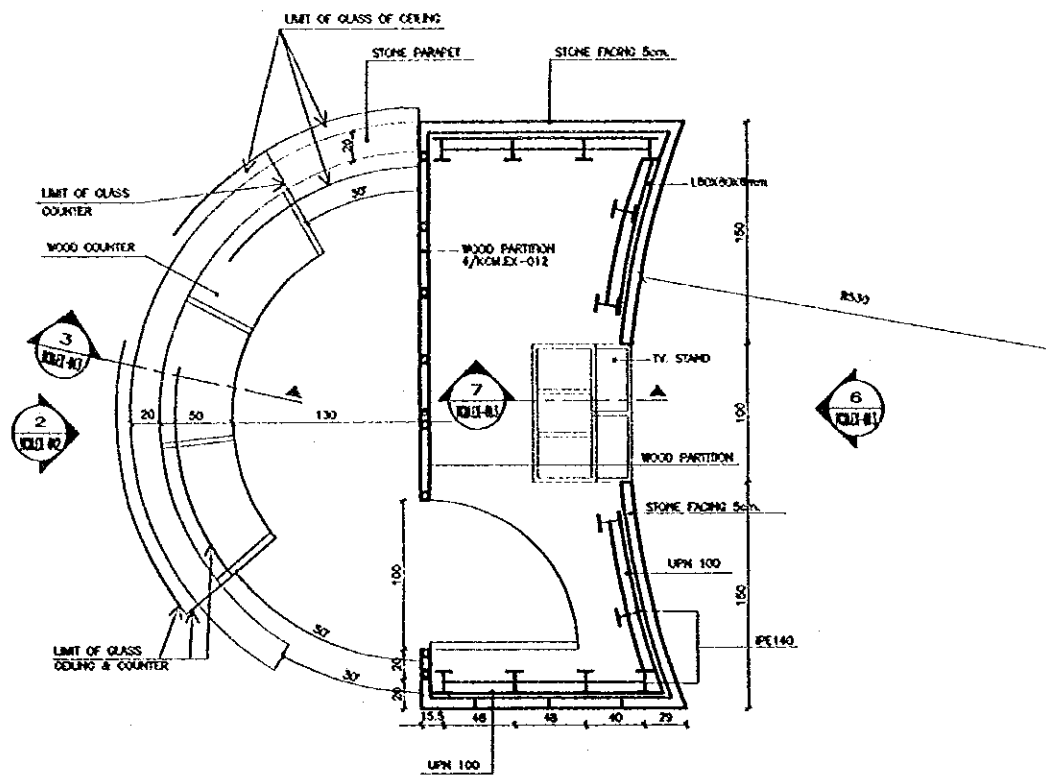
RECEPTION COUNTER  
& T.V. STAND

Drawing Title:

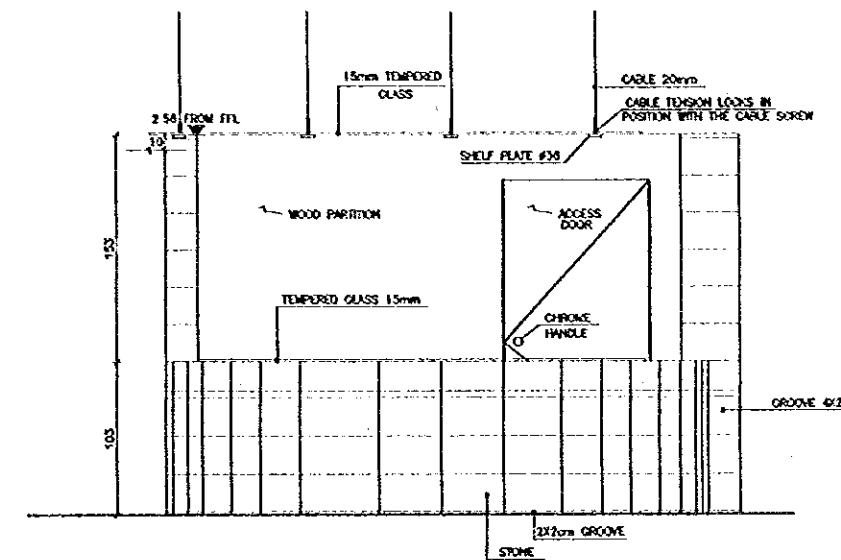
Scale: Drawing No.:

1/25, 1/10

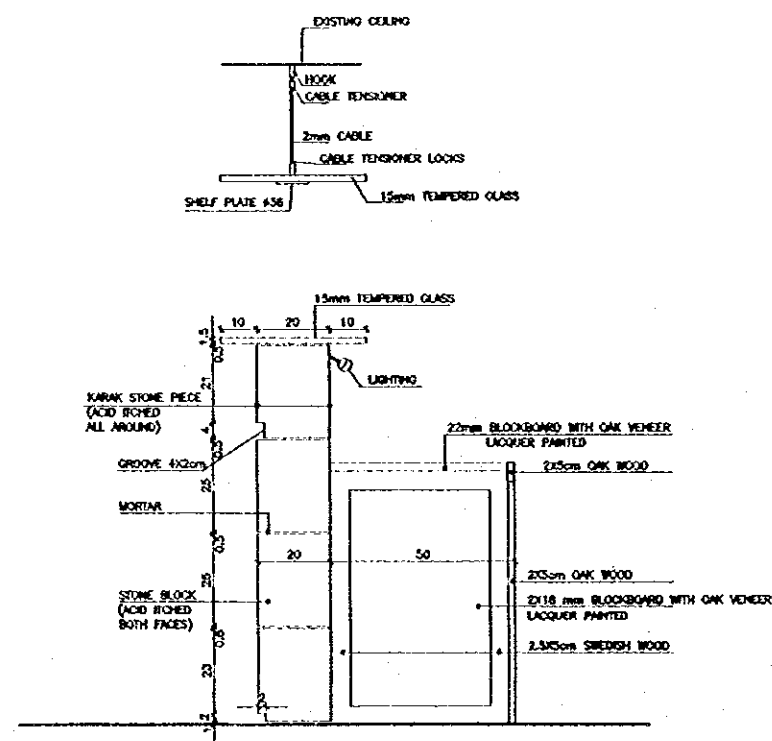
KOMEX-012



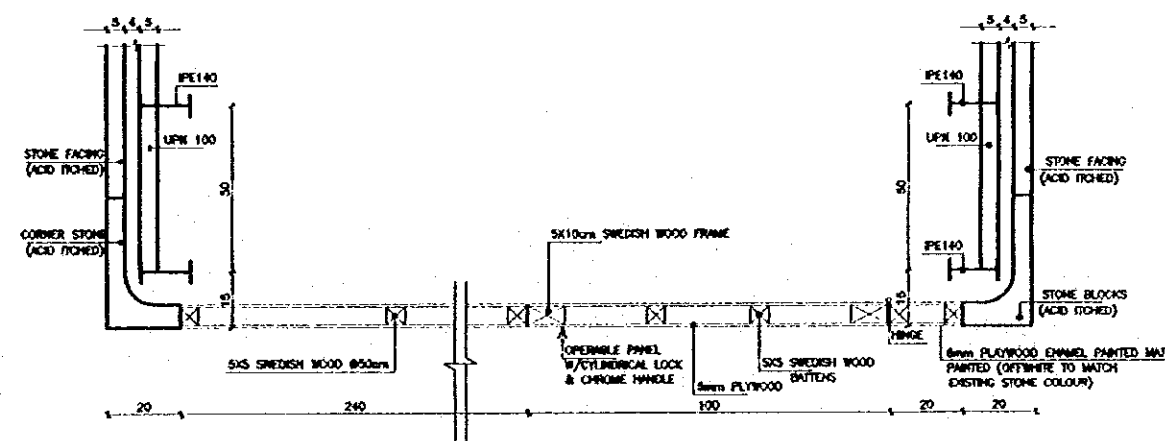
1 PLAN  
SCALE = 1:25



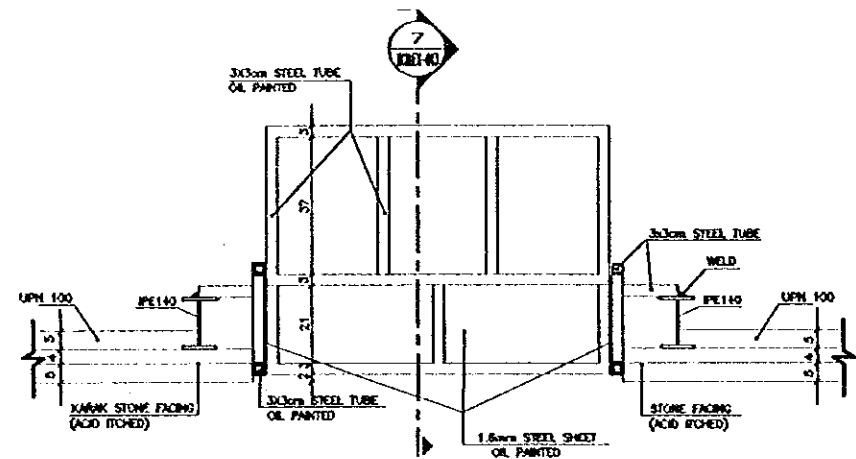
2 ELEVATION OF RECEPTION COUNTER  
SCALE = 1:25



3 SECTION A-A  
SCALE = 1:10



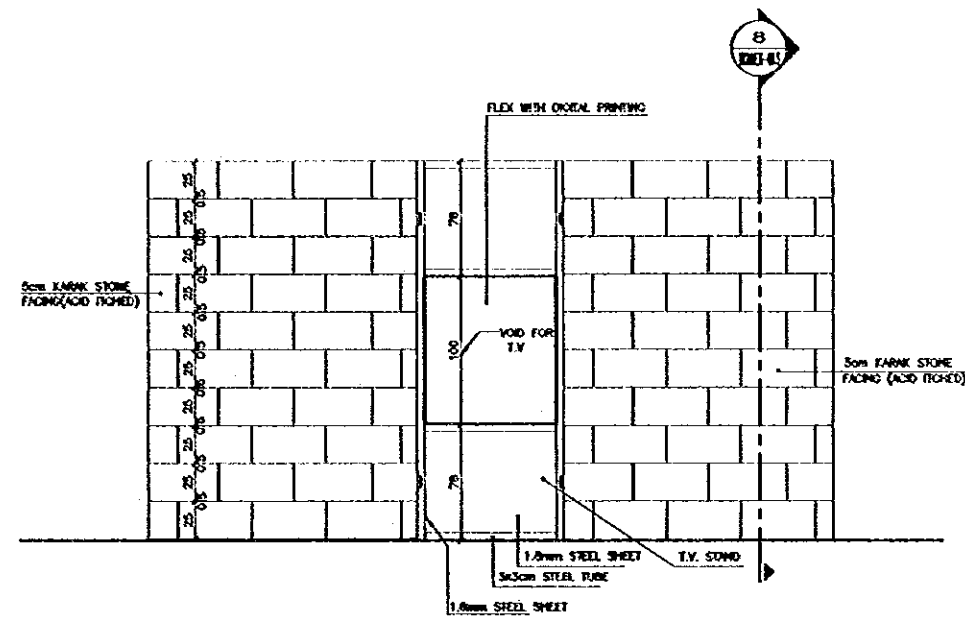
4 PLAN OF WOOD PARTITION  
SCALE = 1:10



NOTE :-  
CONTRACTOR SHALL COORDINATE SIZE OF OPENING WITH T.V. SIZE

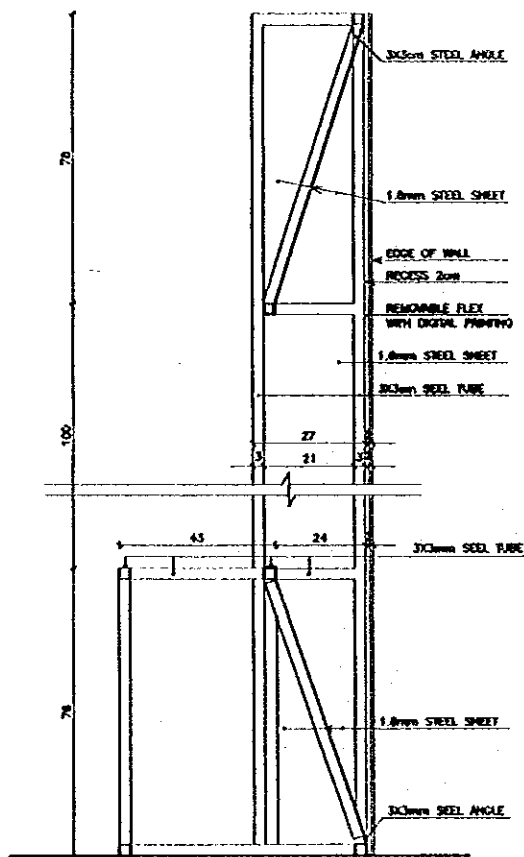
5 PLAN OF T.V. STAND

SCALE = 1:10



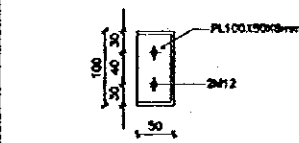
6 ELEVATION OF T.V. STAND

SCALE = 1:25

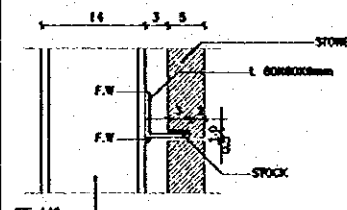


7 SECTION THROUGH T.V. STAND

SCALE = 1:10



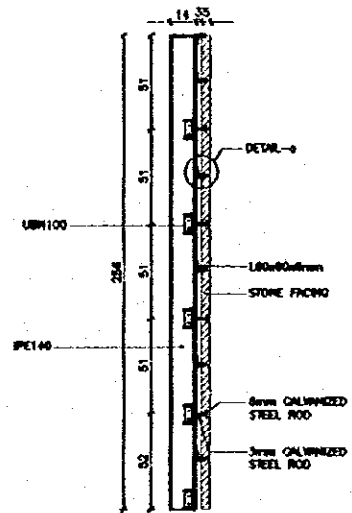
UPN 100 CONNECTION DETAIL



DETAIL-a

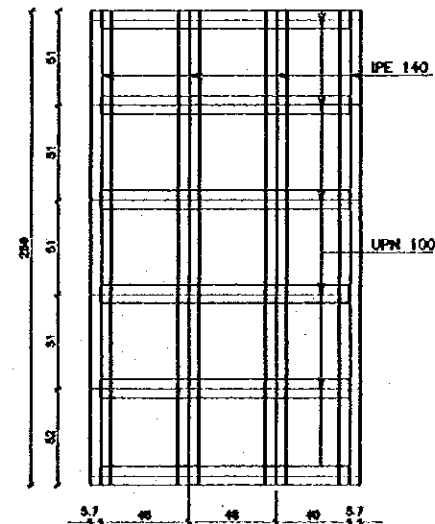
SCALE = 1:5

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-ALL STEEL ACCESSORIES, RODS & BARS SHALL BE GALVANIZED.



SECTION C-C

SCALE = 1:20



ELEVATION-(3)

SCALE = 1:20

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

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

SUB-PROJECT:  
Karak Tourism Development Project  
Karak Castle Museum

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Engineering & Environment  
Tel: 00967 11 - Fax: 00967 11 - Jeddah - JAPAN

RECEPTION COUNTER  
& T.V. STAND

Drawing Title

Date:  
1/10/20  
1/25/15

Drawing No.:

KOMEX-013

TITLE OF CORNER :	TYPE OF PANEL :	QUANTITY	TITLE OF CORNER :	TYPE OF PANEL :	QUANTITY	TITLE OF CORNER :	TYPE OF PANEL :	QUANTITY	TITLE OF CORNER :	TYPE OF PANEL :	QUANTITY
TITLE THEME	FLEX	1	CHRONOLOGICAL TABLE	FLEX	3	ARMS OF THE CRUSADERS	FLEX	1	OLIVE OIL PRODUCTION	FLEX	1
CONTENTS : TEXT & PHOTO			CONTENTS : TEXT & PHOTO			CONTENTS : TEXT & PHOTO			CONTENTS : TEXT , ILLUSTRATION		
PRINT METHOD : DIGITAL PRINTING SYSTEM			PRINT METHOD : DIGITAL PRINTING SYSTEM			PRINT METHOD : DIGITAL PRINTING SYSTEM			PRINT METHOD : DIGITAL PRINTING SYSTEM		
MATERIAL OF PANEL : FLEX			MATERIAL OF PANEL : FLEX			MATERIAL OF PANEL : FLEX			MATERIAL OF PANEL : FLEX		
REMARKS : DOUBLE 6mm TEMPERED GLASS WITH FLEX IN BETWEEN			REMARKS : DOUBLE 6mm TEMPERED GLASS WITH FLEX IN BETWEEN			REMARKS : DOUBLE 6mm TEMPERED GLASS WITH FLEX IN BETWEEN			REMARKS : DOUBLE 6mm TEMPERED GLASS WITH FLEX IN BETWEEN		
TITLE OF CORNER :	TYPE OF PANEL :	QUANTITY	TITLE OF CORNER :	TYPE OF PANEL :	QUANTITY	TITLE OF CORNER :	TYPE OF PANEL :	QUANTITY	TITLE OF CORNER :	TYPE OF PANEL :	QUANTITY
ARMED FORCES VIEW	FLEX	1	THE HISTORY+TECHNOLOGY OF CONSTRUCTION OF CASTLE	FLEX	1	PANEL INSIDE SHOWCASE	FLEX	7	PANEL INSIDE SHOWCASE	FLEX	10
CONTENTS : PHOTO			CONTENTS : TEXT & ILLUSTRATION			CONTENTS : TEXT + MAP			CONTENTS : PHOTO		
PRINT METHOD : DIGITAL PRINTING SYSTEM			PRINT METHOD : DIGITAL PRINTING SYSTEM			PRINT METHOD : DIGITAL PRINTING SYSTEM			PRINT METHOD : DIGITAL PRINTING SYSTEM		
MATERIAL OF PANEL : FLEX			MATERIAL OF PANEL : FLEX			MATERIAL OF PANEL : FLEX			MATERIAL OF PANEL : FLEX		
REMARKS : FLEX IS FIXED ON 6mm MASONRY BOARD			REMARKS : DOUBLE 6mm TEMPERED GLASS WITH FLEX IN BETWEEN			REMARKS : FLEX IS GLUED ON 10mm TEMPERED GLASS			REMARKS : FLEX IS GLUED ON 10mm TEMPERED GLASS		

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

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

SUB-PROJECT:  
Karak Tourism Development Project  
Karak Castle Museum

Note:  
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JICA Study Team:  
Joint Venture of Pacific Consultants International and Yamashita Sekido Inc.  
Subcontracted Local Consultant:


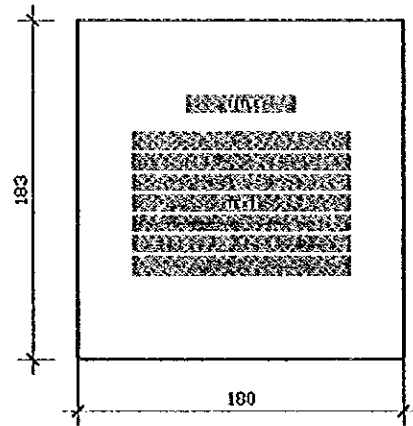
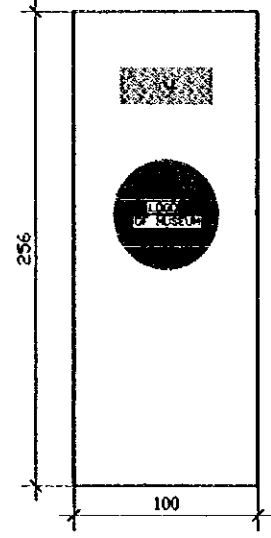

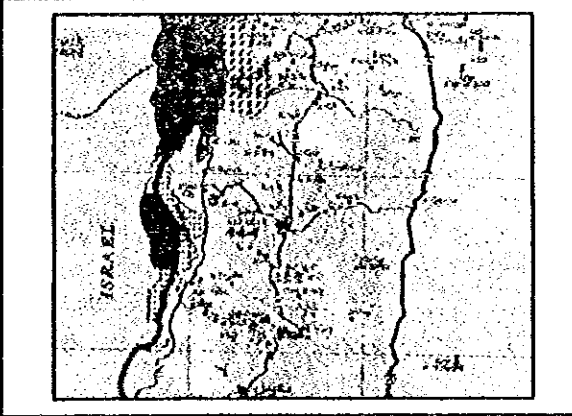
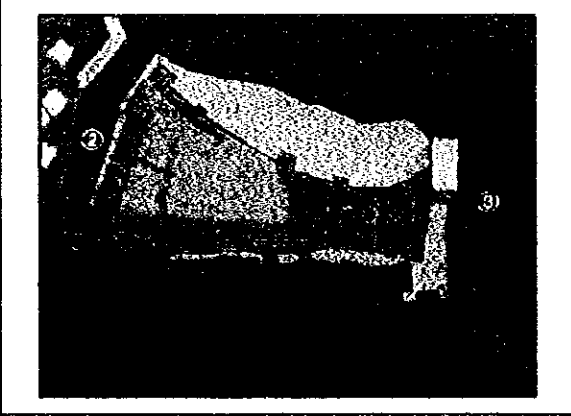


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EXHIBITION PANELS

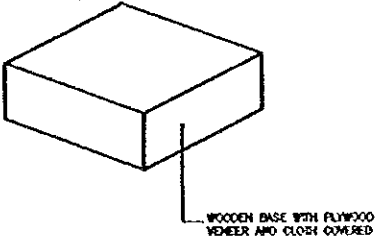
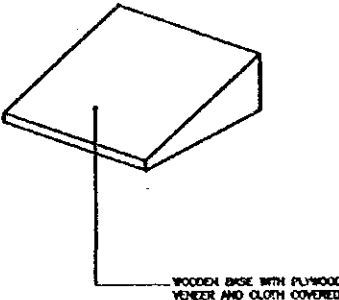
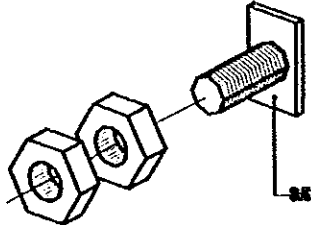
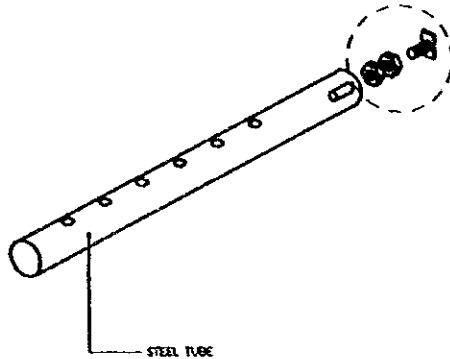
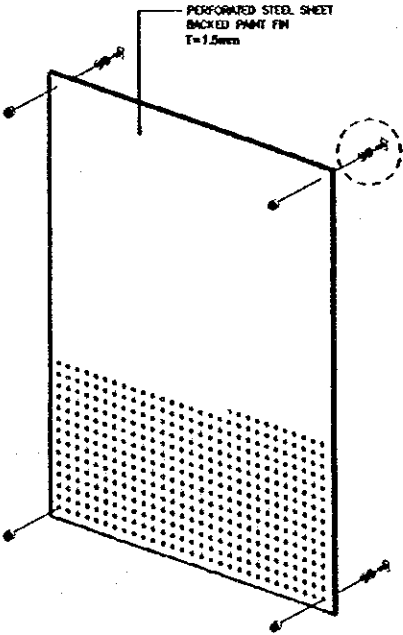
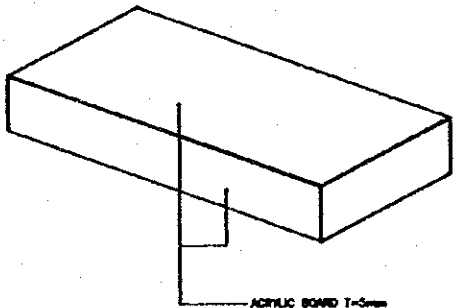
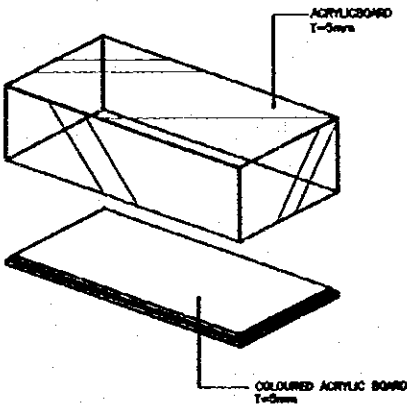
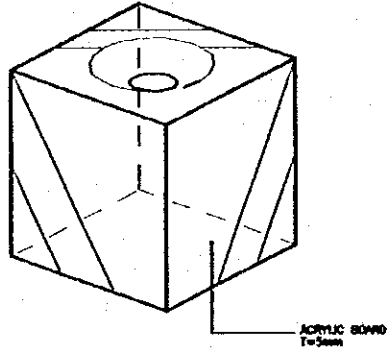
Drawing Title:

Scale: A1:5 Drawing No.: KCM-EX-014

24

TITLE OF CORNER :	TYPE OF PANEL :	QUANTITY	TITLE OF CORNER :	TYPE OF PANEL :	QUANTITY	TITLE OF CORNER :	TYPE OF PANEL :	QUANTITY	TITLE OF CORNER :	TYPE OF PANEL :	QUANTITY	<b>Project:</b> Tourism Sector Development Project In the Hashemite Kingdom of Jordan <b>Executing Agency</b> The Ministry of Tourism and Antiquities The Ministry of Planning <b>SUB-PROJECT:</b> Karak Tourism Development Project Karak Castle Museum <b>Notes:</b> This detailed design has been executed by a team of consultants as shown below in accordance with the agreement between Japan International Cooperation Agency (JICA) and JICA Study Team. The copyright of this drawing rests with JICA.
SIGNS	ANODIZED ALUM.	100	TRAD MAP	STEEL	1	T.V. STAND AT RECEPTION	FLEX	1				
												
CONTENTS : TEXT			CONTENTS : TEXT			CONTENTS : TEXT & LOGO			CONTENTS :			
PRINT METHOD : SUBLIMATION SYSTEM			PRINT METHOD : DIGITAL PRINTING SYSTEM ON TRANSPARENT CONTACT PAPER			PRINT METHOD : DIGITAL PRINTING SYSTEM			PRINT METHOD :			
MATERIAL OF PANEL : ANODIZED ALUM., SILVER COLOUR 1mm THICK WITH WOOD BASE			MATERIAL OF PANEL : STAINLESS STEEL			MATERIAL OF PANEL : FLEX WITH WHITE STEEL FRAMES			MATERIAL OF PANEL :			
REMARKS :			REMARKS :			REMARKS : REMOVABLE FLEX			REMARKS :			
TITLE OF CORNER :		QUANTITY	TITLE OF CORNER :		QUANTITY							<b>Designed by:</b> Japan International Cooperation Agency (JICA) <b>JICA Study Team:</b> Joint Venture of Pacific Consultants International and Yamashita Sekidai Inc. <b>Subcontracted Local Consultant:</b>   <b>consolidated consultants</b> ENGINEERING & CONSULTANTS Tel: 0013377 - Fax: 0013380 - AMMAN - JORDAN
TRADE MAP FOR KARAK		1	KARAK CASTLE MODEL		1							
												
<b>IMAGE</b>  <b>TOPOGRAPHICAL MAP LANK B</b> 1.8X1.65=2.97cu <sup>3</sup>	<b>TYPE</b> TOPOGRAPHICAL MAP <b>SIZE</b> W 1.8m x D 0.2m x H 1.65m <b>SCALE</b> 1:40000 <b>MATERIAL</b> PAPER / PAINT <b>DETAIL</b> - <b>REMARKS</b> -		<b>IMAGE</b>  <b>ARCHITECTURAL MODEL LANK B</b> 3.7X2.2=8.14cu <sup>3</sup>	<b>TYPE</b> STRUCTURE OF ARCHITECTURE <b>SIZE</b> W 3.7m x D 2.2m x H 1.0m <b>SCALE</b> 1:100 <b>MATERIAL</b> FIBREGLASS REINFORCED PLASTICS, WOOD / PAINT <b>DETAIL</b> NUMBER OF PERSONS-NUMBER OF ANIMALS/PLANT (FOOD) EXIST <b>REMARKS</b> -								
												<b>EXHIBITION PANELS &amp; MODELS</b> Drawing Title:
												Order: K1.5 Drawing No.: KCMEX-015

25

TITLE : STAGE TYPE	QUANTITY 30	TITLE : INCLINED STAGE	QUANTITY 30	TITLE : EQUIPMENT FOR SPANDRAL TYPE A	QUANTITY 40	TITLE : EQUIPMENT FOR SPANDRAL TYPE B	QUANTITY 30
 <p>WOODEN BASE WITH PLYWOOD VENEER AND CLOTH COVERED</p>	 <p>WOODEN BASE WITH PLYWOOD VENEER AND CLOTH COVERED</p>		 <p>STEEL TUBE</p>				
TITLE : MESH BOARD	QUANTITY 10	TITLE : ACRYLIC STAGE	QUANTITY 10	TITLE : ACRYLIC BOX	QUANTITY 10	TITLE : ACRYLIC BOX TYPE B	QUANTITY 10
 <p>PERFORATED STEEL SHEET BACKED PAINT PM T=1.5mm</p>	 <p>ACRYLIC BOARD T=5mm</p>	 <p>ACRYLIC BOARD T=5mm COLOURED ACRYLIC BOARD T=5mm</p>	 <p>ACRYLIC BOARD T=5mm</p>				

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

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

**SUB-PROJECT:**  
Karak Tourism Development Project  
Karak Castle Museum

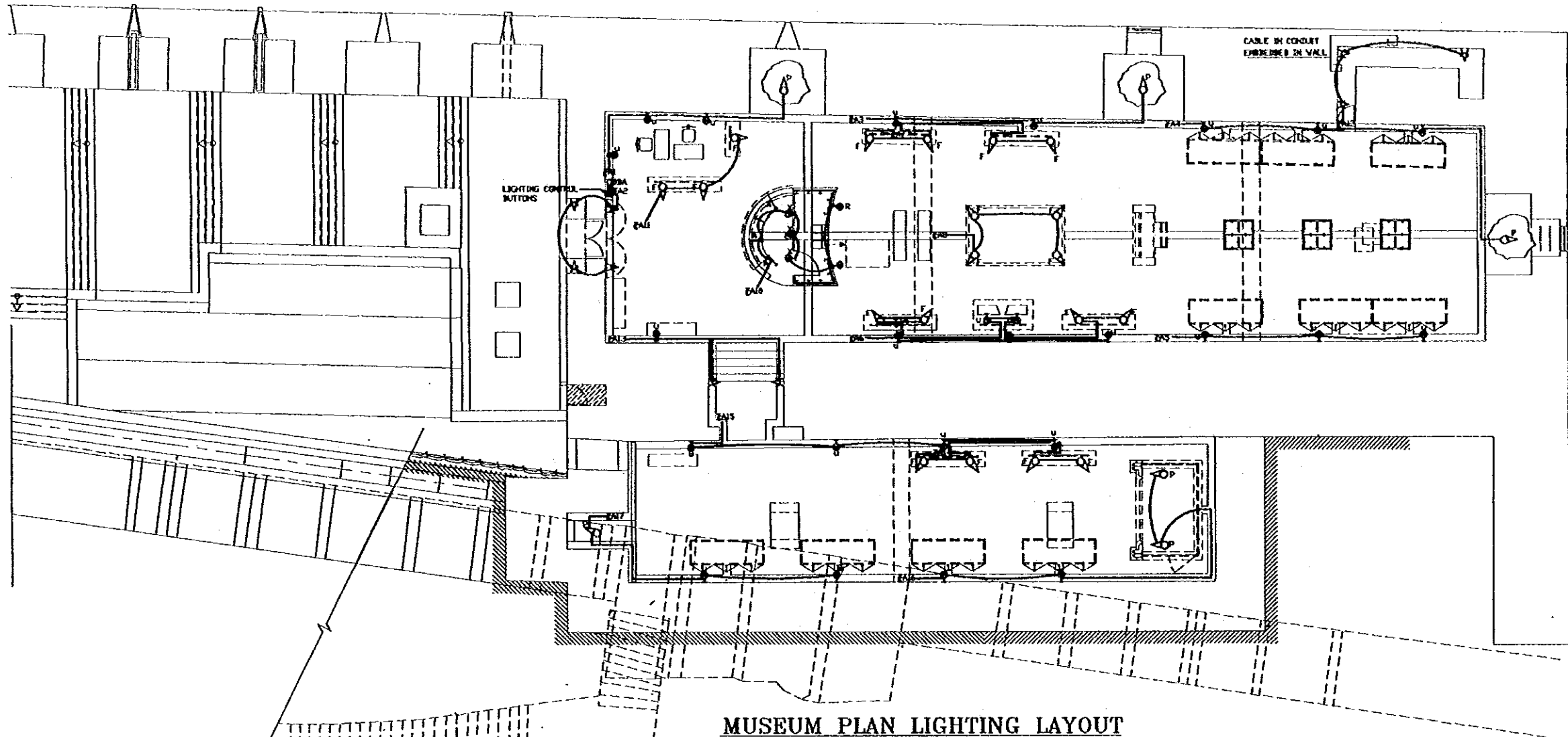
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JICA Study Team:  
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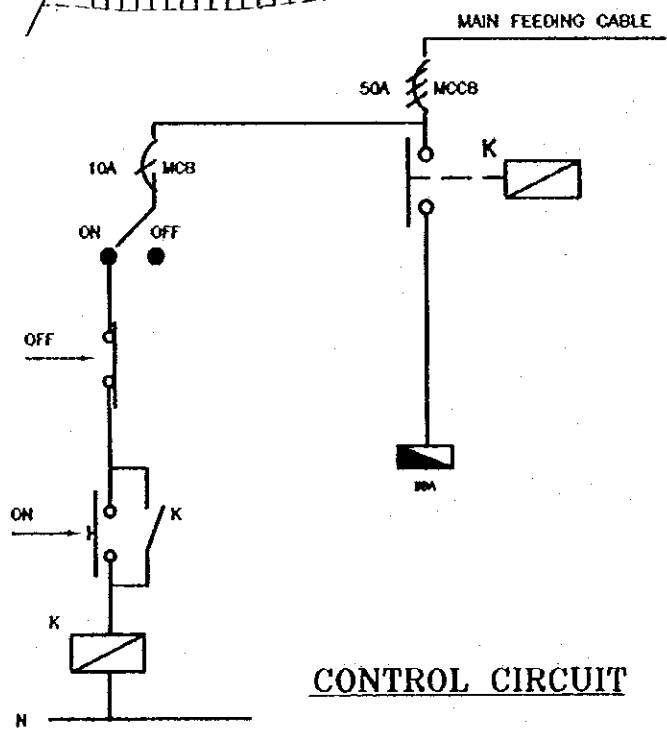
**consolidated consultants**  
ENGINEERING & ENVIRONMENTAL  
No. 6012577 - Fax: 001380 - AMMAN - JORDAN

**EQUIPMENT FOR REINFORCEMENT AUDIO VISUAL**  
Drawing No.:

Scale: N.T.S. Drawing No.: **KCMEX-016**



MUSEUM PLAN LIGHTING LAYOUT  
1/100



CONTROL CIRCUIT

DISTRIBUTION PANEL BOARD									
NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION	NO.	DESCRIPTION
1	LIGHTING	21	LIGHTING	41	LIGHTING	61	LIGHTING	81	LIGHTING
2	LIGHTING	22	LIGHTING	42	LIGHTING	62	LIGHTING	82	LIGHTING
3	LIGHTING	23	LIGHTING	43	LIGHTING	63	LIGHTING	83	LIGHTING
4	LIGHTING	24	LIGHTING	44	LIGHTING	64	LIGHTING	84	LIGHTING
5	LIGHTING	25	LIGHTING	45	LIGHTING	65	LIGHTING	85	LIGHTING
6	LIGHTING	26	LIGHTING	46	LIGHTING	66	LIGHTING	86	LIGHTING
7	LIGHTING	27	LIGHTING	47	LIGHTING	67	LIGHTING	87	LIGHTING
8	LIGHTING	28	LIGHTING	48	LIGHTING	68	LIGHTING	88	LIGHTING
9	LIGHTING	29	LIGHTING	49	LIGHTING	69	LIGHTING	89	LIGHTING
10	LIGHTING	30	LIGHTING	50	LIGHTING	70	LIGHTING	90	LIGHTING
11	SOCKET OUTLET	31	SOCKET OUTLET	51	SOCKET OUTLET	71	SOCKET OUTLET	91	SOCKET OUTLET
12	SOCKET OUTLET	32	SOCKET OUTLET	52	SOCKET OUTLET	72	SOCKET OUTLET	92	SOCKET OUTLET
13	SOCKET OUTLET	33	SOCKET OUTLET	53	SOCKET OUTLET	73	SOCKET OUTLET	93	SOCKET OUTLET
14	SOCKET OUTLET	34	SOCKET OUTLET	54	SOCKET OUTLET	74	SOCKET OUTLET	94	SOCKET OUTLET
15	SOCKET OUTLET	35	SOCKET OUTLET	55	SOCKET OUTLET	75	SOCKET OUTLET	95	SOCKET OUTLET
16	SOCKET OUTLET	36	SOCKET OUTLET	56	SOCKET OUTLET	76	SOCKET OUTLET	96	SOCKET OUTLET
17	SPARE	37	SPARE	57	SPARE	77	SPARE	97	SPARE
18	SPARE	38	SPARE	58	SPARE	78	SPARE	98	SPARE
19	SPARE	39	SPARE	59	SPARE	79	SPARE	99	SPARE
20	SPARE	40	SPARE	60	SPARE	80	SPARE	100	SPARE

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

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

**SUB-PROJECT:**  
Karak Tourism Development Project  
Karak Castle Museum

**Notes:**  
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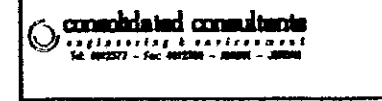
- LEGEND:**
- ⊕ 100W WHITE SON PROJECTOR MOUNTED ON CONCRETE BASE (S1)
  - ⊕ 200W WALL MOUNTED LUMINAIR FOR INDIRECT LIGHTING WITH 200W LINEAR HALOGEN LAMP (S1)
  - ⊕ FLOOR MOUNTED UP LIGHTER STAND WITH 300W LINEAR HALOGEN LAMP TO BE CONNECTED TO POWER OUTLET IN TRENCH AND FIXED BEHIND THE SHOW CASES (S2)
  - ⊕ 150W LINEAR CEILING MOUNTED HALOGEN PROJECTOR WITH BASE PLATE (S3)
  - ⊕ 18W Batten type FLUORESCENT TO BE FIXED UNDER INFORMATION COUNTER (F1)
  - ⊕ RECESSED WALL MOUNTED LUMINAIR AT 30cm HEIGHT WITH 18W TC LAMP AND OPTICAL DIFFUSER (F2)
  - ⊕ 100W SURFACE MOUNTED MOBILE SPOT LIGHT (S1)
  - ⊕ 50W 220V/255 WALL MOUNTED PROJECTOR (S4)
  - CABLE IN CONDUIT
  - CABLE IN TRENCH

- NOTES:**
- 1- ALL WIRING FROM THE FEATURE TO DISTRIBUTION PANEL SHALL BE PVC/PVC CABLE DRAWN UNDER TILES/TRENCH.
  - 2- CONNECTION OF STANDS SHALL BE THROUGH SURFACE MOUNTED SOCKET OUTLETS INSTALLED INSIDE THE TRENCH.

**Designed by:**  
Japan International Cooperation Agency (JICA)

**JICA Study Team:**  
Joint Venture of Pacific Consultants International and Yonemitsu Seimei Inc.

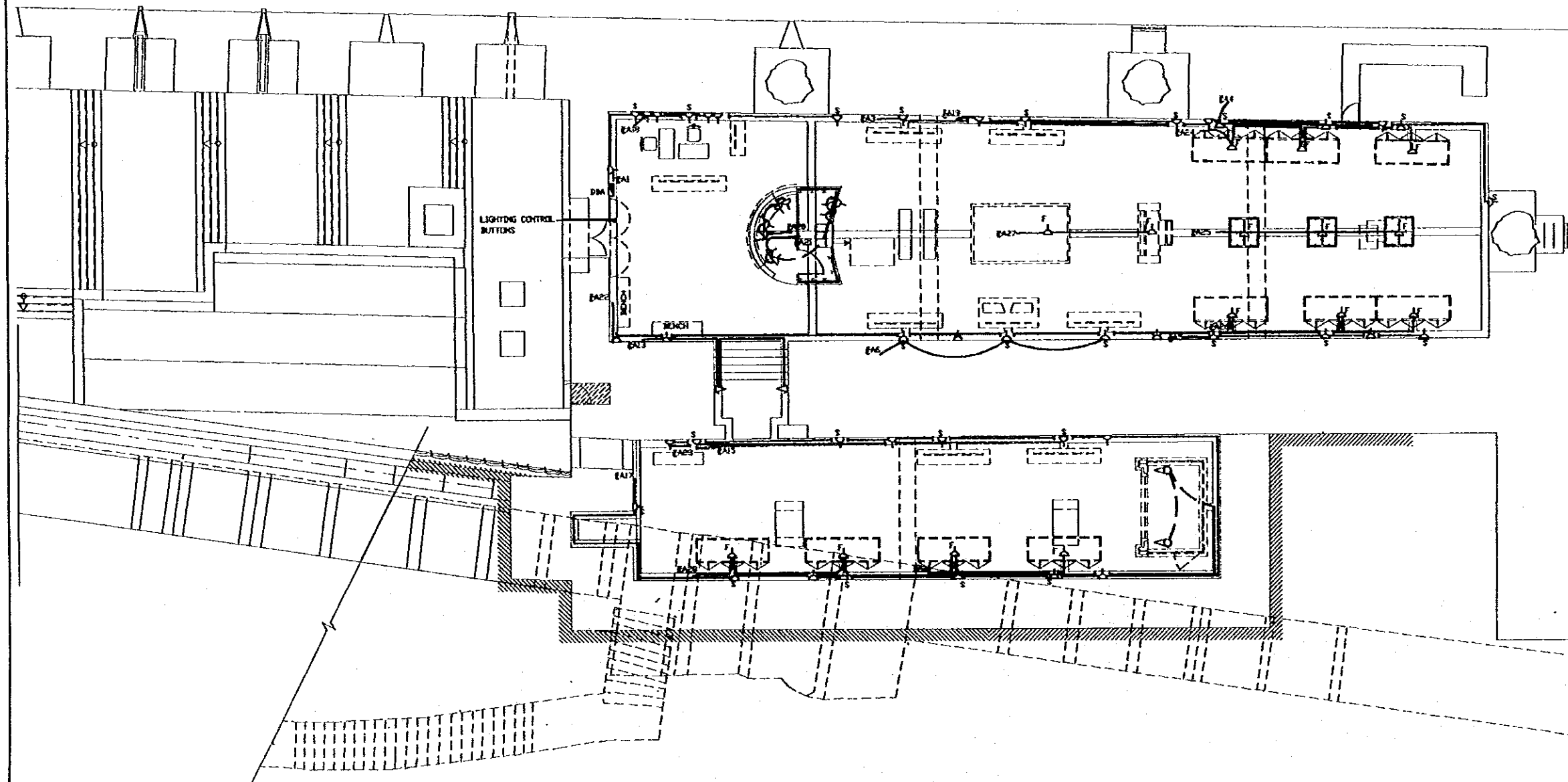
**Subcontracted Local Consultant:**



**LIGHTING LAYOUT**

Scale: 1:100  
Drawing No: KCM.E-001

27



MUSEUM PLAN POWER LAYOUT  
1/100

**Project:**  
Tourism Sector Development Project  
In the Hashemite Kingdom of Jordan

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

**SUB-PROJECT:**  
Karak Tourism Development Project  
Karak Castle Museum

**Note:**  
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**LEGEND:**

- △ 15A SOCKET OUTLET SURFACE MOUNTED.
- F △ DITTO BUT SURFACE MOUNTED IN UNDER TILES TRENCH FOR SHOW CASES LIGHTING USE.
- S △ DITTO BUT FOR FLOOR UP LIGHTER STANDS USE.
- CABLE IN TRENCH
- CABLE IN CONDUIT

**Designed by:**  
Japan International Cooperation Agency (JICA)

**JICA Study Team:**  
Joint Venture of Pacific Consultants International and Yamashita Satoohi Inc.

**Subcontracted Local Consultant:**

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**POWER LAYOUT**  
Drawing Title

Scale: 1:100  
Drawing No.: KCM.E-002

28

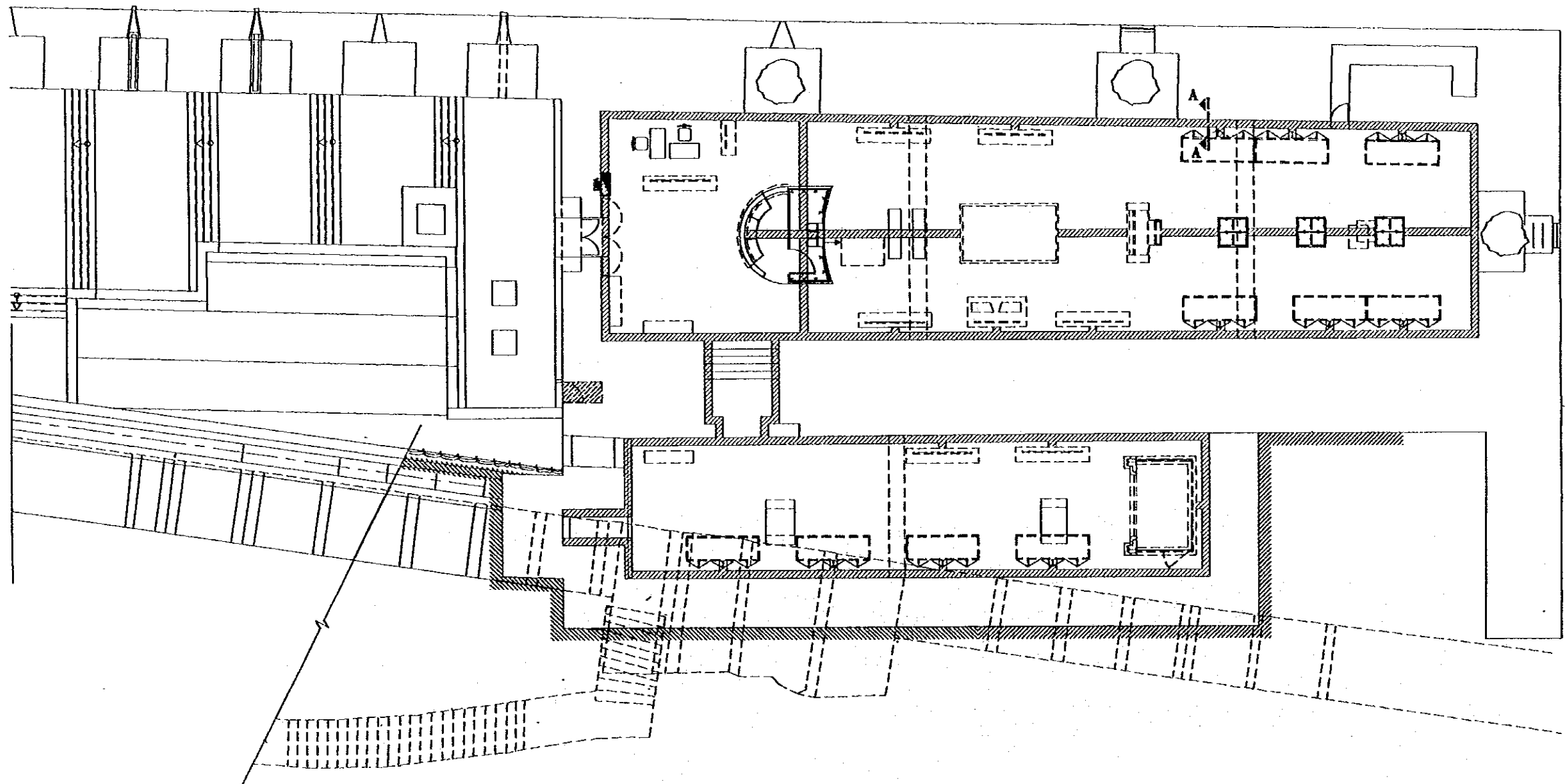


**Project:**  
 Tourism Sector Development Project  
 In the Hashemite Kingdom of Jordan

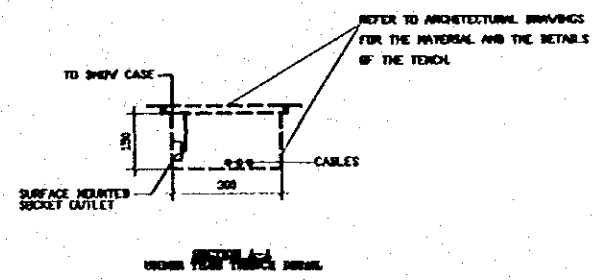
**Executing Agency:**  
 The Ministry of Tourism and Antiquities  
 The Ministry of Planning

**SUB-PROJECT:**  
 Kerak Tourism Development Project  
 Kerak Castle Museum

**Note:**  
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**MUSEUM TRENCH LAYOUT**  
 1/100



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**JICA Study Team:**  
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 Pacific Consultants International and  
 Yamashita Saitoh Inc.

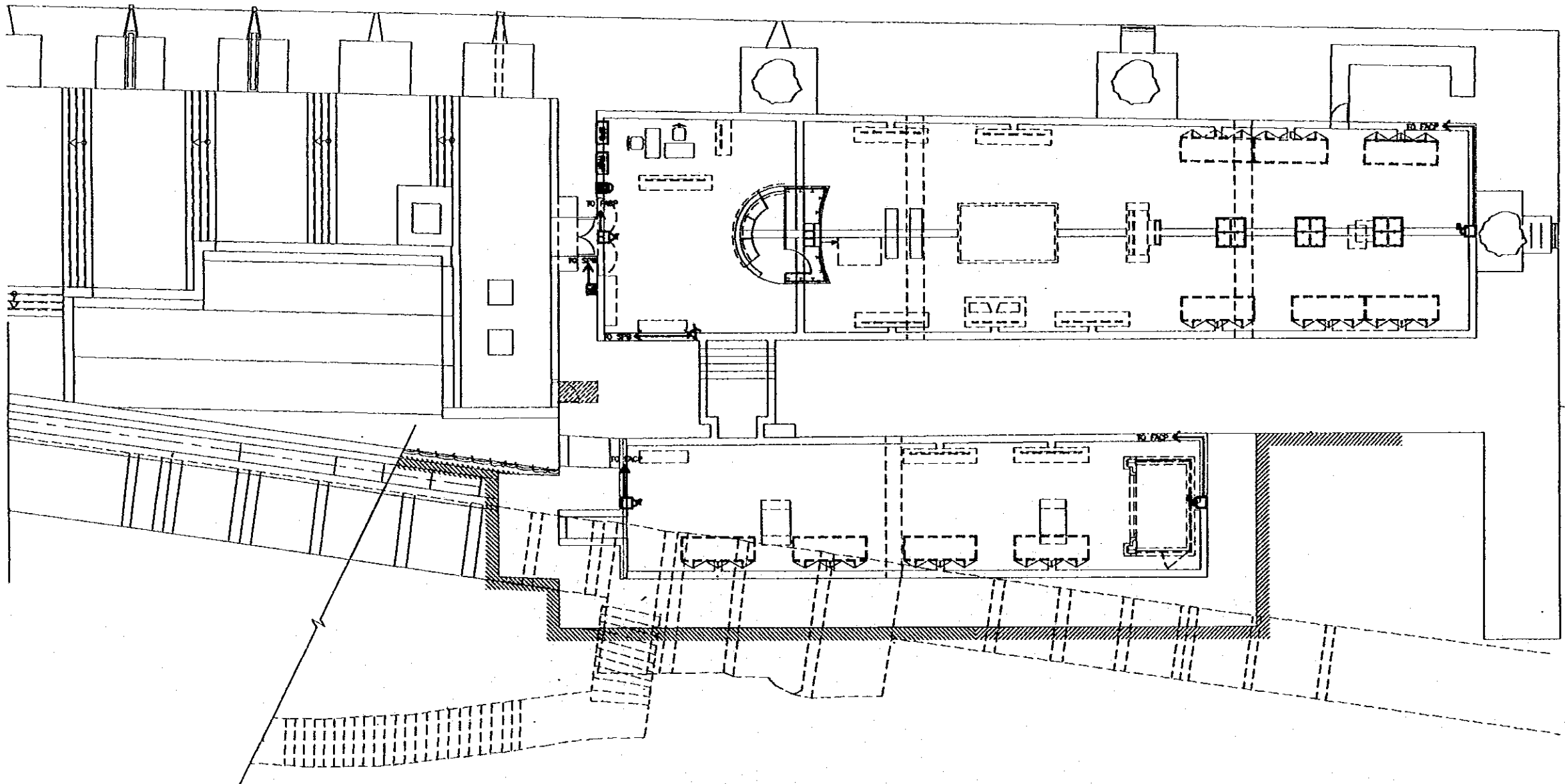
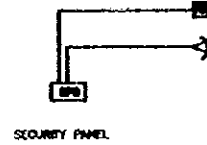
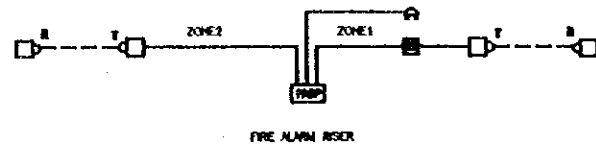
**Subcontracted Local Consultant:**

**consolidated consultants**  
 engineering & environment  
 Tel. 492277 - Fax 492288 - 492289 - 492290

**TRENCH LAYOUT**  
 Drawing Title

**Scale:** 1:100  
**Drawing No.:** KCM.E-003

29  
 29



**FIRE ALARM & SECURITY SYSTEM**  
1/100

**Project:**  
Tourism Sector Development Project  
In the Hashemite Kingdom of Jordan

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

**SUB-PROJECT:**  
Karak Tourism Development Project  
Karak Castle Museum

**Note:**  
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**NOTE:**

- PROJECTED BEAM SMOKE DETECTOR, TRANSMITTER, MOUNTED AT CEILING.
- INTRUSION BUT RECEIVER.
- ⊗ INFRARED MOTION DETECTOR MOUNTED AT 180cm FROM FFL.
- ⊙ SOUNDER STROBE MOUNTED AT 200cm FROM FFL.
- CALL POINT, MOUNTED AT 145cm.
- ▭ SECURITY PANEL BOARD.
- ▭ FIRE ALARM CONTROL PANEL.
- FLASH BEACON WITH SOUNDER.

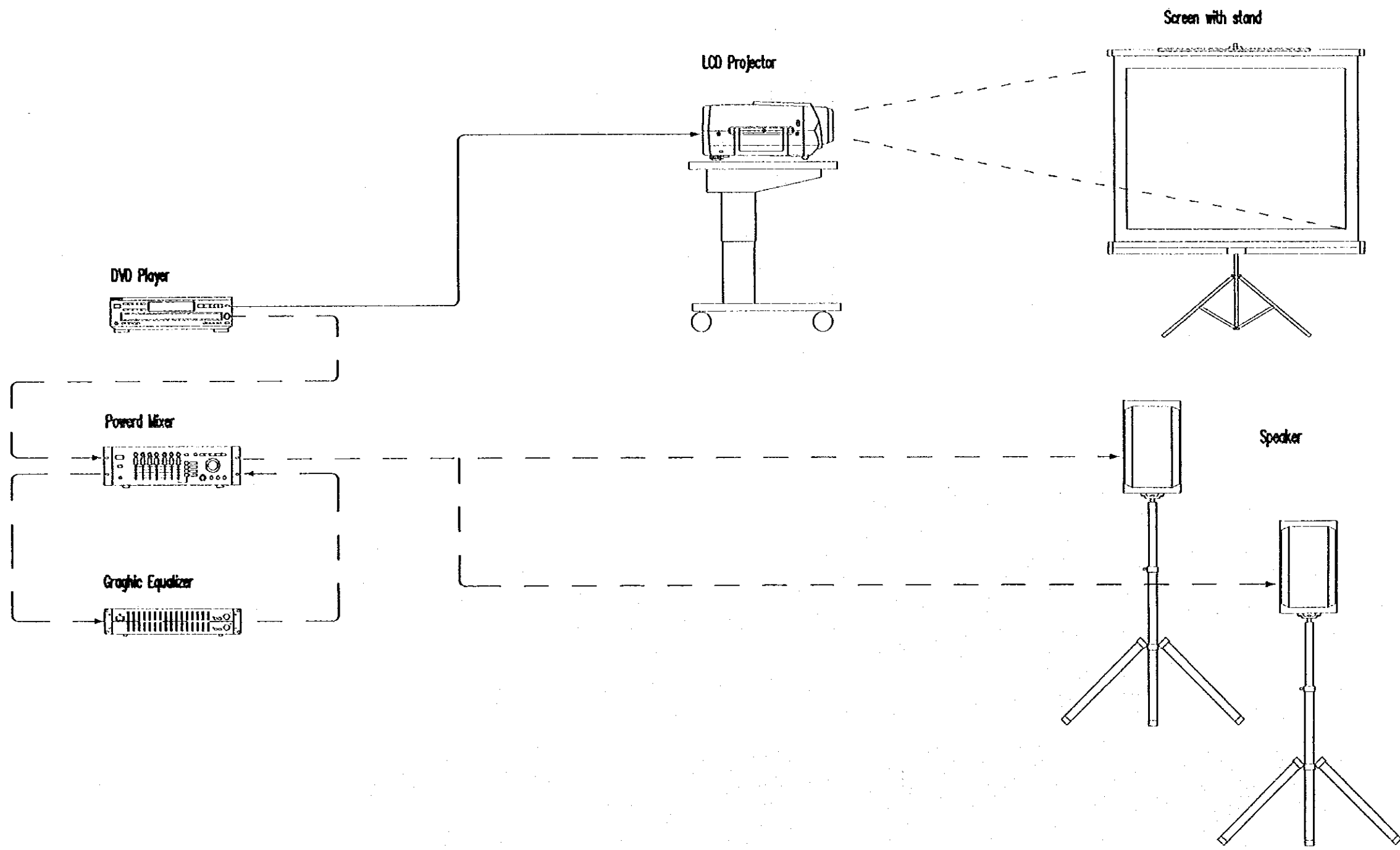
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JICA Study Team:  
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Subcontracted Local Consultant:

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**FIRE ALARM AND SECURITY SYSTEMS**  
Drawing Title

**Date:** 1/100 **Drawing No.:** KCM.E-004

02  
45



**Project:**  
 Tourism Sector Development Project  
 In the Hashemite Kingdom of Jordan

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

**SUB-PROJECT:**  
 Karak Tourism Development Project  
 Karak Castle Museum

**Note:**  
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The grade of all equipments shall be more than equivalent shown in the list.

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 Japan International Cooperation Agency (JICA)  
 JICA Study Team:  
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 Pacific Consultants International and  
 Yamashita Sekido Inc.  
 Subcontracted Local Consultant:

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**DETAIL PLAN OF AUDIOVISUAL EQUIPMENT**

Scale: 1:1.5  
 Drawing No.: KCM-E-005