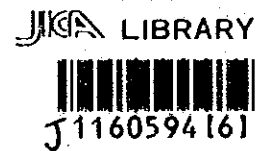




JAPAN INTERNATIONAL COOPERATION AGENCY
THE GOVERNMENT OF THE HASHEMITE KINGDOM OF JORDAN
THE MINISTRY OF TOURISM AND ANTIQUITIES, THE MINISTRY OF PLANNING

DRAFT
TENDER DOCUMENTS FOR CONSTRUCTION
OF
DEAD SEA PANORAMIC COMPLEX SUB-PROJECT
THE TOURISM SECTOR DEVELOPMENT PROJECT

VOLUME IV
DRAWINGS
(2) MECHANICAL AND ELECTRICAL WORKS



Pacific Consultants International
Yamashita Sekkei Inc.

August 2000

SSF
JR
00-153

RY

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
DEAD SEA PANORAMIC COMPLEX SUB-PROJECT
THE TOURISM SECTOR DEVELOPMENT PROJECT

VOLUME IV
DRAWINGS
(2) MECHANICAL AND ELECTRICAL WORKS

Pacific Consultants International
Yamashita Sekkei Inc.

August 2000



1160594 (6)

DEAD SEA PANORAMIC COMPLEX SUB-PROJECT

LIST OF DRAWINGS

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:
Dead Sea Panoramic Complex

Note:
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.

Architectural Works		
DRAWING No.	DRAWING TITLE	Scale
COVER		
DSPCA-001	PROJECT TITLE DRAWING LIST	N/S
DSPCA-002	FINISHING SCHEDULE	N/S
DSPCA-003	FLOOR AREA SCHEDULE	1/200
DSPCA-004	SITE LOCATION MAP	N.T.S.
DSPCA-005	EXISTING TOPOGRAPHIC MAP	1/1500
DSPCA-101	MASTER SITE PLAN	1/1250
DSPCA-102	SITE PLAN	1/250
DSPCA-103	SITE GRADING PLAN	1/250
DSPCA-104	MASTER PLAN / WATER DISCHARGE & DETAILS	1/300
DSPCA-105	GENERAL BASEMENT FLOOR PLAN	1/200
DSPCA-106	GENERAL GROUND FLOOR PLAN	1/200
DSPCA-107	GENERAL ROOF PLAN	1/200
DSPCA-108	GENERAL TOP ROOF PLAN	1/200
DSPCA-201	GENERAL ELEVATIONS	1/200
DSPCA-202	GENERAL ELEVATIONS	1/200
DSPCA-203	GENERAL SECTIONS	1/200
DSPCA-301	BASEMENT FLOOR PLAN / RESTAURANT	1/100
DSPCA-302	BASEMENT FLOOR PLAN / TRANSFORMER, GENERATOR & WATER TANK	1/100
DSPCA-303	GROUND FLOOR PLAN (1) / MUSEUM	1/100
DSPCA-304	GROUND FLOOR PLAN (2) / RAMP	1/100
DSPCA-305	GROUND FLOOR PLAN (3) / RESTAURANT	1/100
DSPCA-306	ROOF FLOOR PLAN (1) / MUSEUM	1/100
DSPCA-307	ROOF FLOOR PLAN (2) / RESTAURANT	1/100
DSPCA-308	TOP ROOF FLOOR PLAN-RAIN WATER DRAINAGE (1) / MUSEUM	1/100
DSPCA-309	TOP ROOF FLOOR PLAN-RAIN WATER DRAINAGE (2) / RAMP	1/100
DSPCA-310	TOP ROOF FLOOR PLAN-RAIN WATER DRAINAGE (3) / RESTAURANT	1/100
DSPCA-350	TOILETS	1/50
DSPCA-401	ELEVATIONS	1/100
DSPCA-402	ELEVATIONS	1/100
DSPCA-403	ELEVATIONS	1/100
DSPCA-404	ELEVATIONS	1/100
DSPCA-405	SECTIONS	1/100
DSPCA-406	SECTIONS	1/100
DSPCA-407	SECTIONS	1/100
DSPCA-408	TRANSFORMER, GENERATOR & WATER TANK / SECTION & ELEVATION	1/50
DSPCA-451	WALL SECTION (1)	AS SHOWN
DSPCA-452	WALL SECTION (2)	1/20
DSPCA-453	WALL SECTION (3,4)	AS SHOWN
DSPCA-454	WALL SECTION (5)	1/50
DSPCA-455	WALL SECTION (6)	1/20
DSPCA-456	WALL SECTION (7,8,9)	1/50
DSPCA-457	CONSTRUCTION DETAILS / OPEN CORRIDOR	AS SHOWN
DSPCA-458	CONSTRUCTION DETAILS / COLUMNS	1/20
DSPCA-501	GROUND FLOOR CEILING PLAN (1) / MUSEUM	1/100
DSPCA-502	GROUND FLOOR CEILING PLAN (2) / RAMP	1/100
DSPCA-503	GROUND FLOOR CEILING PLAN (3) / RESTAURANT	1/100
DSPCA-601	GROUND FLOOR TRUSS PLAN (1) / MUSEUM	1/100
DSPCA-602	GROUND FLOOR TRUSS PLAN (2) / RAMP	1/100
DSPCA-603	GROUND FLOOR TRUSS PLAN (3) / RESTAURANT	1/100
DSPCA-701	BASEMENT FLOOR DOORS AND WINDOWS KEY PLAN / RESTAURANT	1/100
DSPCA-702	BASEMENT FLOOR DOORS AND WINDOWS KEY PLAN / TRANSFORMER, GENERATOR & WATER TANK	1/100
DSPCA-703	GROUND FLOOR DOORS AND WINDOWS KEY PLAN (1) / MUSEUM	1/100
DSPCA-704	GROUND FLOOR DOORS AND WINDOWS KEY PLAN (2) / RESTAURANT	1/100
DSPCA-705	ROOF FLOOR DOORS AND WINDOWS KEY PLAN (1) / MUSEUM	1/100
DSPCA-706	ROOF FLOOR DOORS AND WINDOWS KEY PLAN (2) / RESTAURANT	1/100
DSPCA-707	DOORS AND WINDOWS SCHEDULE / TIMBER DETAILS	AS SHOWN
DSPCA-708	DOORS AND WINDOWS SCHEDULE / TIMBER DETAILS	1/50
DSPCA-709	DOORS AND WINDOWS SCHEDULE / ALUMINUM & TEMPERED GLASS DETAILS	AS SHOWN
DSPCA-710	DOORS AND WINDOWS SCHEDULE / STEEL DETAILS	AS SHOWN
DSPCA-711	DOORS AND WINDOWS SCHEDULE / STEEL DETAILS	1/50
DSPCA-712	DOORS AND WINDOWS SCHEDULE / STEEL DETAILS	1/50
DSPCA-713	DOORS SCHEDULE / LAMINATED WOOD DETAILS	AS SHOWN

Architectural Works		
DRAWING No.	DRAWING TITLE	Scale
DSPCA-801	GROUND FLOOR FURNITURE PLAN (1) / MUSEUM	1/100
DSPCA-802	GROUND FLOOR FURNITURE PLAN (2) / RESTAURANT	1/100
DSPCA-901	SITE SUPERVISION OFFICE	1/100
DSPCA-001	DETAILS	AS SHOWN
DSPCA-002	DETAILS	1/20
DSPCA-003	DETAILS	1/25
DSPCA-004	DETAILS	AS SHOWN
DSPCA-005	DETAILS	AS SHOWN
DSPCA-006	DETAILS	N.T.S.

Signage Works		
DRAWING No.	DRAWING TITLE	Scale
DSPCS-001	GROUND FLOOR SIGNAGE KEY PLAN (1) / MUSEUM	1/100
DSPCS-002	GROUND FLOOR SIGNAGE KEY PLAN (2) / RESTAURANT	1/100
DSPCS-003	SIGNAGE SCHEDULE	1/10
DSPCS-004	SIGNAGE LOCATIONS	1/50

Exhibition Works		
DRAWING No.	DRAWING TITLE	Scale
DSPCEX-001	EXHIBITION PLAN	1/100
DSPCEX-002	EXHIBITION DETAILS	AS SHOWN
DSPCEX-003	EXHIBITION DETAILS	AS SHOWN
DSPCEX-004	EXHIBITION DETAILS	AS SHOWN
DSPCEX-005	DEAD SEA SCROLL & SHOWCASE DETAILS	AS SHOWN
DSPCEX-006	DEAD SEA SCROLL & SHOWCASE DETAILS	AS SHOWN
DSPCEX-007	PLAN OF AUDIO VISUAL EQUIPMENT SYSTEMS & GLASS PANELS	AS SHOWN
DSPCEX-008	DETAIL PLAN OF AUDIOVISUAL EQUIPMENT	N.T.S.

Landscape Works		
DRAWING No.	DRAWING TITLE	Scale
DSPCLS-001	MASTER PLAN	1/1250
DSPCLS-002	SITE PLAN	1/250
DSPCLS-003	SITE PLAN - LEVELS AND DIMENSIONS	1/250
DSPCLS-004	GRADING PLAN	1/250
DSPCLS-005	PAVING MATERIALS AND KEY PLAN	1/250
DSPCLS-006	PLANTING PLAN AND PLANTING SCHEDULE	1/250
DSPCLS-007	LANDSCAPE DETAILS	AS SHOWN
DSPCLS-008	LANDSCAPE DETAILS	AS SHOWN
DSPCLS-009	LANDSCAPE DETAILS	AS SHOWN
DSPCLS-010	LANDSCAPE DETAILS	AS SHOWN
DSPCLS-011	LANDSCAPE DETAILS	AS SHOWN
DSPCLS-012	LANDSCAPE DETAILS	AS SHOWN

Structural Works		
DRAWING No.	DRAWING TITLE	Scale
DSPCS-001	STRUCTURAL NOTES	N.T.S.
DSPCS-002	STRUCTURAL NOTES	N.T.S.
DSPCS-003	RESTAURANT FOUNDATION PLAN	1/100
DSPCS-004	CORRIDOR PANELS FOUNDATION PLAN	1/100
DSPCS-005	MUSEUM FOUNDATION PLAN	1/100
DSPCS-006	RESTAURANT AXIS PLAN	1/100
DSPCS-007	CORRIDOR AXIS PLAN	1/100
DSPCS-008	MUSEUM AXIS PLAN	1/100
DSPCS-009	RESTAURANT SLAB ON GRADE PLAN	1/100
DSPCS-010	MUSEUM SLAB ON GRADE PLAN	1/100
DSPCS-011	FOUNDATION STRUCTURAL DETAILS	1/20
DSPCS-012	RESTAURANT REINFORCEMENT SLAB PLAN	1/100
DSPCS-013	MUSEUM REINFORCEMENT SLAB PLAN-1	AS SHOWN
DSPCS-014	MUSEUM REINFORCEMENT SLAB PLAN-2	AS SHOWN
DSPCS-015	CORRIDOR PANELS REINFORCEMENT SLAB PLAN	AS SHOWN
DSPCS-016	BEAM STRUCTURAL-1 DETAILS	1/20
DSPCS-017	BEAM STRUCTURAL-2 DETAILS	1/20
DSPCS-018	BEAM STRUCTURAL-3 DETAILS	1/20
DSPCS-019	BEAM STRUCTURAL-4 DETAILS	1/20
DSPCS-020	BEAM STRUCTURAL-5 DETAILS	1/20
DSPCS-021	BEAM STRUCTURAL-6 DETAILS	1/20
DSPCS-022	PUMP STATION & GENERATOR FOUNDATION PLAN & DETAILS	AS SHOWN
DSPCS-023	PUMP STATION & GENERATOR REINFORCEMENT OF SLAB PLAN & DETAILS	AS SHOWN
DSPCS-024	IMPERVIOUS CEISS POOL STRUCTURAL DETAILS	1/25
DSPCS-025	RESTAURANT BASEMENT STRUCTURAL DETAILS	AS SHOWN
DSPCS-026	SITE SUPERVISION OFFICE STRUCTURAL DETAILS	AS SHOWN

Roads Works		
DRAWING No.	DRAWING TITLE	Scale
DSPCR-001	PLAN PROFILE	AS SHOWN
DSPCR-002	ROAD MARKING DETAILS	AS SHOWN
DSPCR-003	SIGNS & SIGN SUPPORT DETAILS	AS SHOWN
DSPCR-004	TYPICAL CROSS SECTION	AS SHOWN
DSPCR-005	TYPICAL SUPER ELEVATED SECTION	AS SHOWN

Mechanical Works		
DRAWING No.	DRAWING TITLE	Scale
DSPCM-000	LEGEND & NOTES	N.T.S.
DSPCM-001	BASEMENT FLOOR PLAN HVAC LAYOUT	1/100
DSPCM-002	GROUND FLOOR PLAN HVAC LAYOUT-1	1/100
DSPCM-003	GROUND FLOOR PLAN HVAC LAYOUT-3	1/100
DSPCM-004	ROOF PLAN HVAC LAYOUT-1	1/100
DSPCM-005	ROOF PLAN HVAC LAYOUT-3	1/100
DSPCM-006	HVAC EQUIPMENT SCHEDULE	N.T.S.
DSPCM-007	THERMAL INSULATION	N.T.S.
DSPCM-008	HVAC SECTION	1/20
DSPCM-009	MECHANICAL DETAILS	N.T.S.
DSPCM-010	MECHANICAL DETAILS	N.T.S.

Plumbing Works		
DRAWING No.	DRAWING TITLE	Scale
DSPCP-000	LEGEND & NOTES	N.T.S.
DSPCP-001	BASEMENT FLOOR PLAN MECHANICAL WORKS	1/100
DSPCP-002	GROUND FLOOR PLAN DRAINAGE LAYOUT-1	1/100
DSPCP-003	GROUND FLOOR PLAN DRAINAGE LAYOUT-2	1/100
DSPCP-004	GROUND FLOOR PLAN DRAINAGE LAYOUT-3	1/100
DSPCP-005	GROUND FLOOR PLAN WATER LAYOUT-1	1/100
DSPCP-006	GROUND FLOOR PLAN WATER LAYOUT-2	1/100
DSPCP-007	GROUND FLOOR PLAN WATER LAYOUT-3	1/100
DSPCP-008	BASEMENT WET AREA DETAILS	1/50
DSPCP-009	BASEMENT WET AREA DETAILS	1/50
DSPCP-010	GROUND FLOOR WET AREA DETAILS	1/50
DSPCP-011	GROUND FLOOR WET AREA DETAILS	1/50
DSPCP-012	GROUND FLOOR WET AREA DETAILS	1/50
DSPCP-013	GROUND FLOOR WET AREA DETAILS	1/50
DSPCP-014	BASEMENT FLOOR PLAN LPG LAYOUT	1/100
DSPCP-015	GROUND FLOOR PLAN LPG LAYOUT	1/100
DSPCP-016	BASEMENT FIRE PROTECTION LAYOUT	1/100
DSPCP-017	GROUND FLOOR FIRE PROTECTION LAYOUT	1/100
DSPCP-018	GROUND FLOOR FIRE PROTECTION LAYOUT	1/100
DSPCP-019	GROUND FLOOR FIRE PROTECTION LAYOUT	1/100
DSPCP-020	WATER TANKS AND PUMP HOUSE FLOOR PLAN MECHANICAL WORKS	1/100
DSPCP-021	WATER TANKS SECTION & PUMP HOUSE EQUIPMENT SCHEDULE	1/100
DSPCP-022	SITE PLAN MECHANICAL WORKS	1/250
DSPCP-023	PLUMBING DETAILS	N.T.S.
DSPCP-024	PLUMBING DETAILS	N.T.S.
DSPCP-025	GAS SCHEMATIC DIAGRAM	N.T.S.
DSPCP-026	PLUMBING DETAILS	N.T.S.

Electrical Works		
DRAWING No.	DRAWING TITLE	Scale
DSPCE-001	LEGEND	N.T.S.
DSPCE-002	GROUND FLOOR / LIGHTING LAYOUT (MUSEUM)	1/100
DSPCE-003	GROUND FLOOR / LIGHTING LAYOUT (RAMP)	1/100
DSPCE-004	GROUND FLOOR / LIGHTING LAYOUT (RESTAURANT)	1/200
DSPCE-005	GROUND FLOOR / POWER LAYOUT (MUSEUM)	1/100
DSPCE-006	GROUND FLOOR / POWER LAYOUT (RESTAURANT)	1/100
DSPCE-007	BASEMENT FLOOR / LIGHTING, FIRE ALARM & TELEPHONE LAYOUT	1/100
DSPCE-008	BASEMENT FLOOR / POWER LAYOUT	1/100
DSPCE-009	GROUND FLOOR / FIRE ALARM & TELEPHONE LAYOUT (MUSEUM)	1/100
DSPCE-010	GROUND FLOOR / FIRE ALARM & TELEPHONE LAYOUT (RAMP)	1/200
DSPCE-011	GROUND FLOOR / FIRE ALARM & TELEPHONE LAYOUT (RESTAURANT)	1/100
DSPCE-012	GROUND FLOOR / PUBLIC ADDRESS, AUDIO-VISUAL PROJECTION & SECURITY SYSTEMS (MUSEUM)	1/100
DSPCE-013	GROUND FLOOR / PUBLIC ADDRESS SYSTEM (RAMP)	1/100
DSPCE-014	GROUND FLOOR / PUBLIC ADDRESS SYSTEM (RESTAURANT)	1/100
DSPCE-015	ROOF PLAN / POWER LAYOUT (MUSEUM)	1/100
DSPCE-016	ROOF PLAN / POWER LAYOUT (RESTAURANT)	1/100
DSPCE-017	SITE PLAN / LIGHTING LAYOUT	1/300
DSPCE-018	SITE PLAN / LIGHTING LAYOUT	1/400
DSPCE-019	WATER TANK, GENERATOR & PUMPING ROOM ELECTRICAL WORKS	1/100
DSPCE-020	ELECTRICAL LIGHTING PANEL DETAILS & DETAILS FOR LOCATION OF LIGHTING FIXTURE (1) AND (2)	AS SHOWN
DSPCE-021	WIRERS & DETAILS	N.T.S.
DSPCE-022	PANEL BOARDS	N.T.S.
DSPCE-023	PANEL BOARDS	N.T.S.
DSPCE-024	SITE PLAN / MAIN LOW TENSION CABLE ROUTING	1/250

Designed by:
Japan International Cooperation Agency (JICA)

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

Subcontracted Local Consultant:



Date: June 2000

LIST OF DRAWINGS

Drawing Title:

Scale: N.T.S. Drawing No.: DSPCA-001

HVAC LEGEND

□	HPI	HEAT PUMP INDOOR UNIT
□	HPO	HEAT PUMP OUTDOOR UNIT
↑ ⊗	EX.F.	EXTRACT FAN

GENERAL NOTES

1. ALL DIMENSIONS ARE IN mm.
2. ALL HEAT PUMP UNITS SHALL BE SELECTED UPON 40° C OUTSIDE TEMPERATURE.
3. ALL EXHAUST FANS SHALL BE ACCOMPANIED WITH SHUTTERS AS PER SCHEDULES.

HVAC ABBREVIATIONS

AFFL	ABOVE FINISH FLOOR LEVEL
HP	HEAT PUMP
EXF	EXHAUST FAN
F/A	FROM ABOVE
T/B	TO BELOW
PAC	PACKAGE UNIT
L	LIQUID LINE FOR SPLIT UNIT
G	GAS LINE FOR SPLIT UNIT
E	ELECTRIC CONNECTION FOR SPLIT UNIT

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:
Dead Sea Panoramic Complex

Note:
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.

Designed by:
Japan International Cooperation
Agency (JICA)

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

Subcontracted Local Consultant:

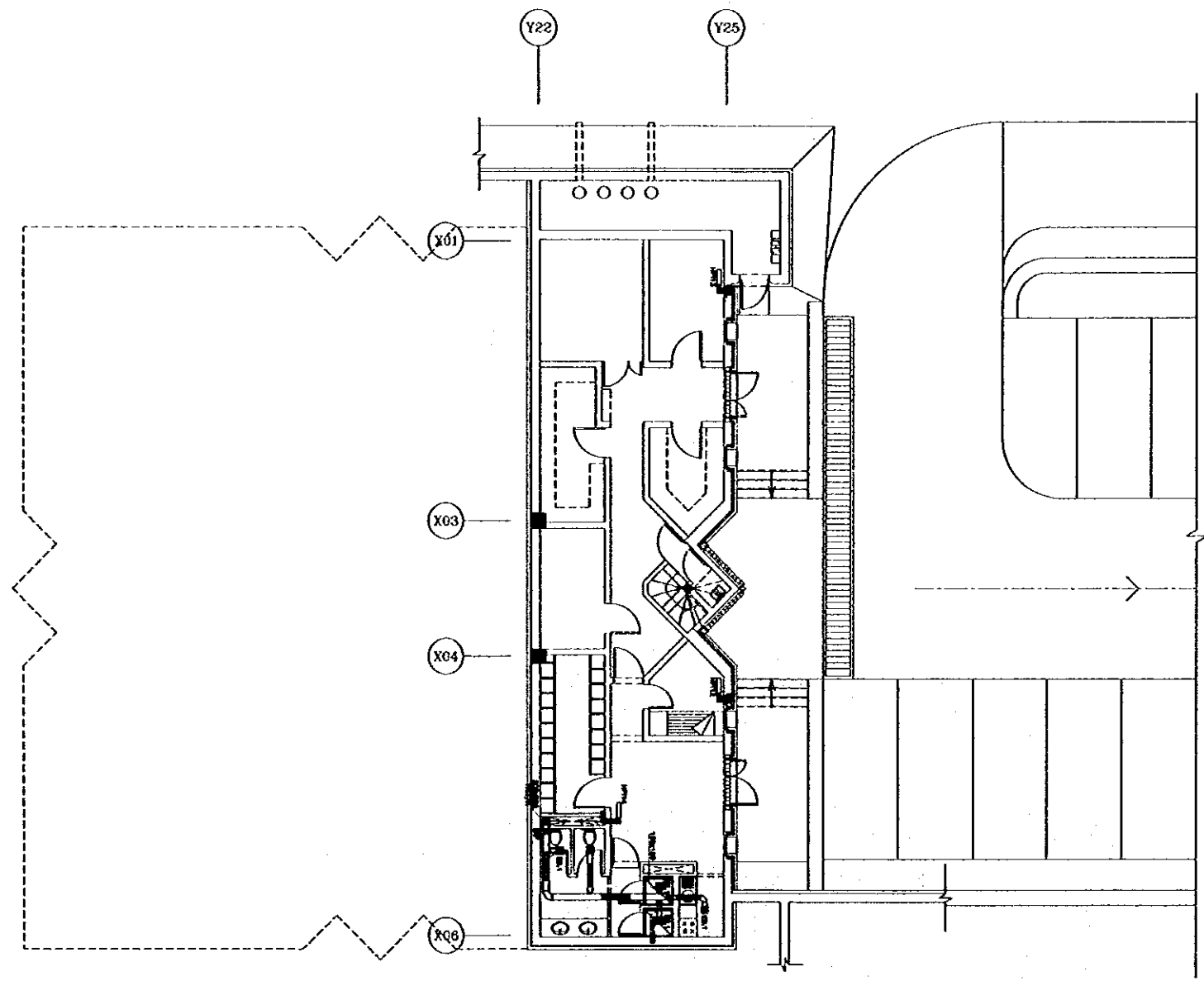
 **consolidated consultants**
engineering & architectural
TEL: 01122377 - FAX: 01122388 - AMMAN - JORDAN

Date: June 2000

LEGEND & NOTES

Drawing Title:

Scale: N.T.S. **Drawing No.:** DSPC.M-000



BASEMENT FLOOR PLAN / DRAINAGE LAYOUT

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:
Dead Sea Panoramic Complex

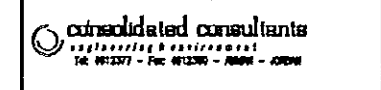
Note:
This detailed design has been executed by
a team of consultants as shown below in
accordance with the agreement between
Japan International Cooperation Agency
(JICA) and JICA Study Team.
The copyright of this drawing rests with JICA.



Designed by:
Japan International Cooperation
Agency (JICA)

JICA Study Team:
Joint Venture of
Pacific Consultants International and
Yamamoto Sekkei Inc.

Subcontracted Local Consultant:

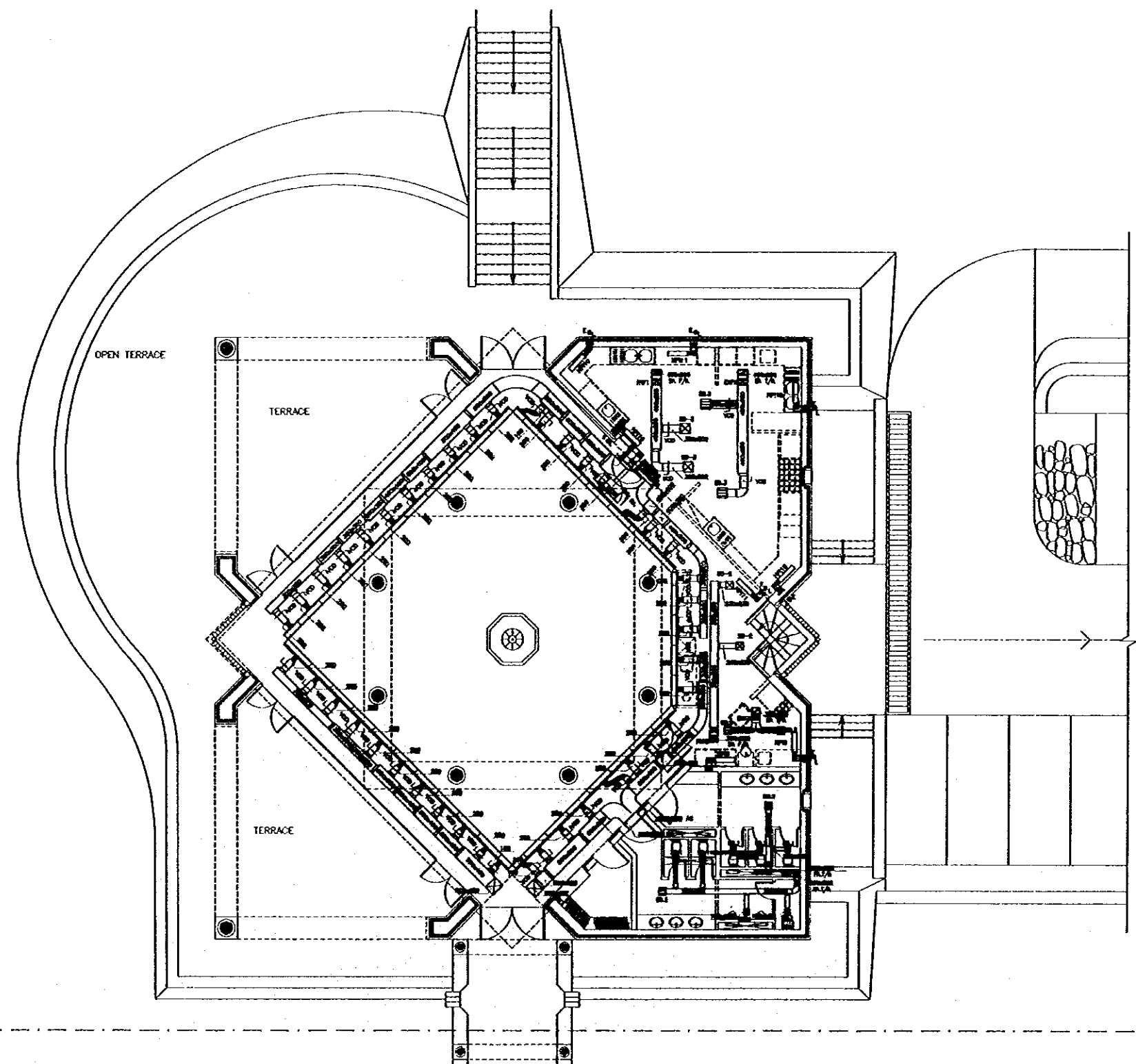


Date: June 2000

BASEMENT FLOOR PLAN
HVAC LAYOUT

Drawing Title:

Scale: 1/100 Drawing No.: DSPEC.M-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:
 Dead Sea Panoramic Complex

Note:
 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.



Designed by:
 Japan International Cooperation
 Agency (JICA)

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

Subcontracted Local Consultant:

 consolidated consultants
 engineering & environment
 Tel: 995377 - Fax: 995399 - JORDAN - AMMAN

Date: June 2000

GROUND FLOOR PLAN
 HVAC LAYOUT - 1

Drawing Title:

Scale: 1/100
 Drawing No.: DSPEC-M-002

MATCH
 LINE

MATCH
 LINE

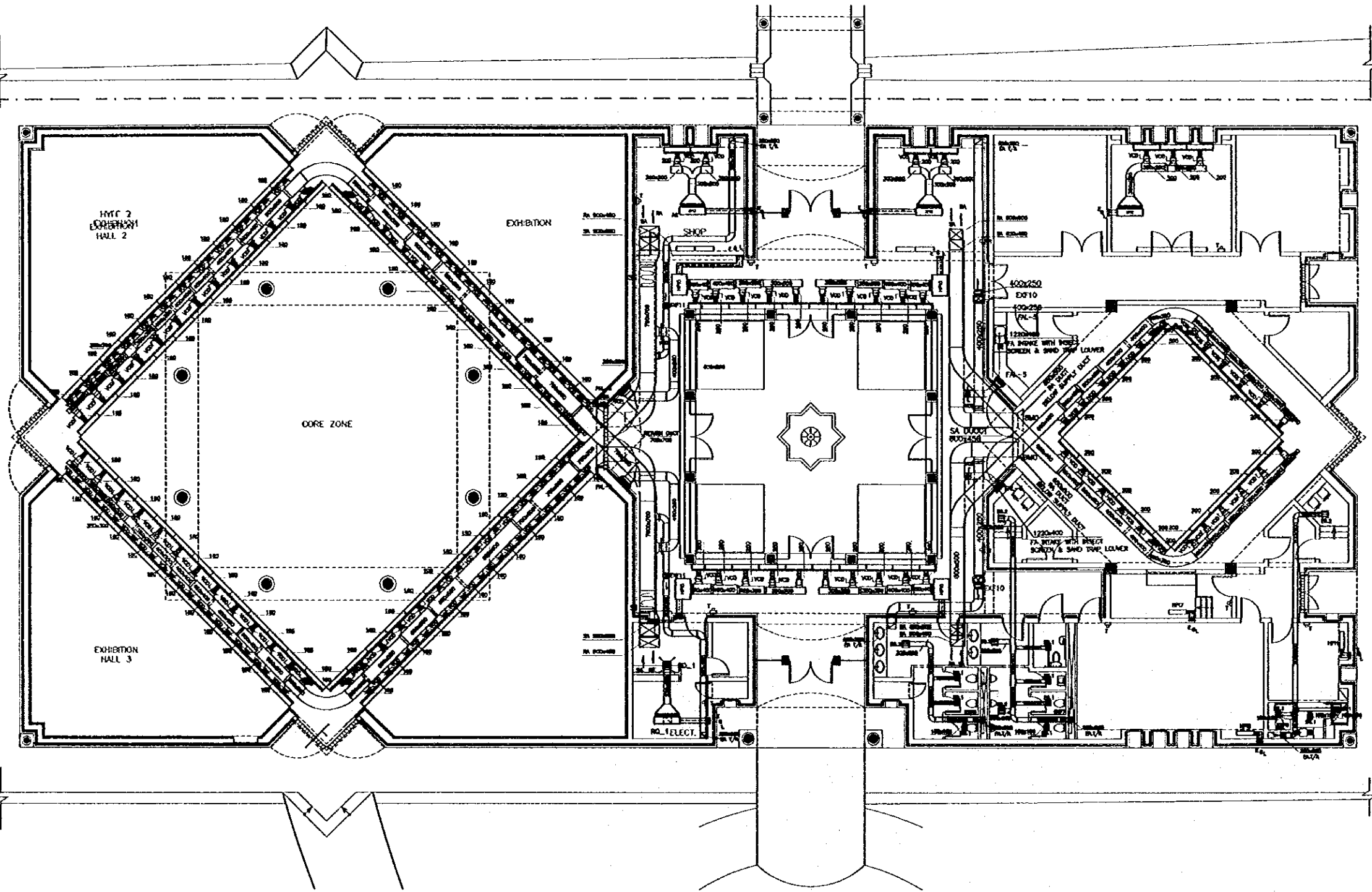
Project:
 Tourism Sector Development Project
 in the Hashemite Kingdom of Jordan

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

SUB-PROJECT:
 Dead Sea Panoramic Complex

Note:
 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.

MATCH
 LINE

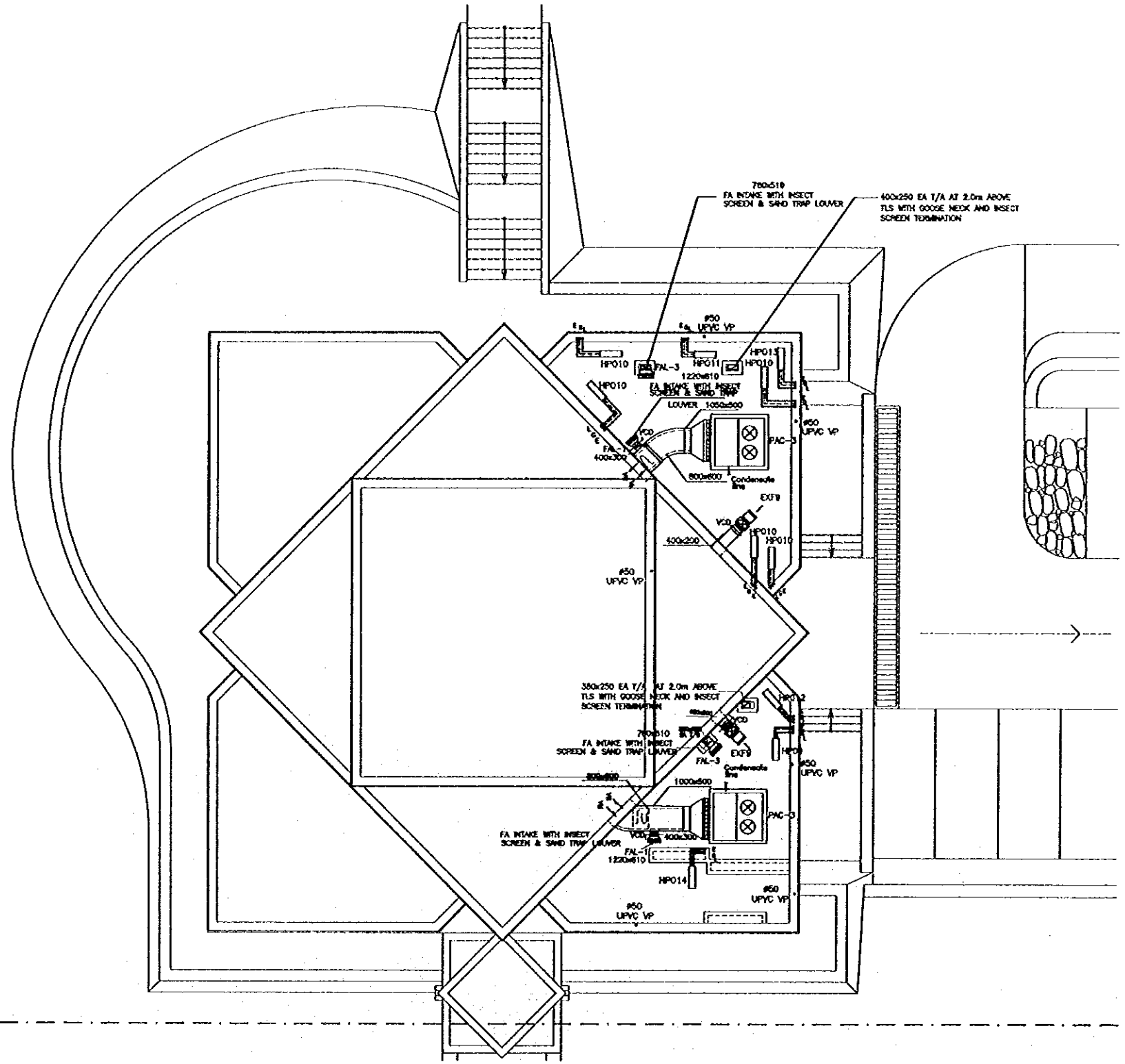


Designed by:
 Japan International Cooperation
 Agency (JICA)

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

Subcontracted Local Consultant:

Date:	June	2000
GROUND FLOOR PLAN HVAC LAYOUT - 3		
Drawing Title:		
Scale:	Drawing No.:	DSPC/M-003
1/100		



Project:
 Address:
 Tourism Sector Development Project
 1- al-QAD HASSANAH KINGDOM OF SAUDI ARABIA SITE PLAN.

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

SUB-PROJECT:
 Dead Sea Panoramic Complex

Note:
 This detailed design has been executed by a team of consultants as shown below in accordance with the agreement between Jopch International Cooperation Agency (JICA) and JICA Study Team. The copyright of this drawing rests with JICA.

PACKAGE UNITS SHALL BE MOUNTED
 1.5m TSL SOUND TRAP SHALL BE INSTALLED
 AT SUPPLY AND RETURN DUCTS



Designed by:
 Japan International Cooperation Agency (JICA)

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

Subcontracted Local Consultant:

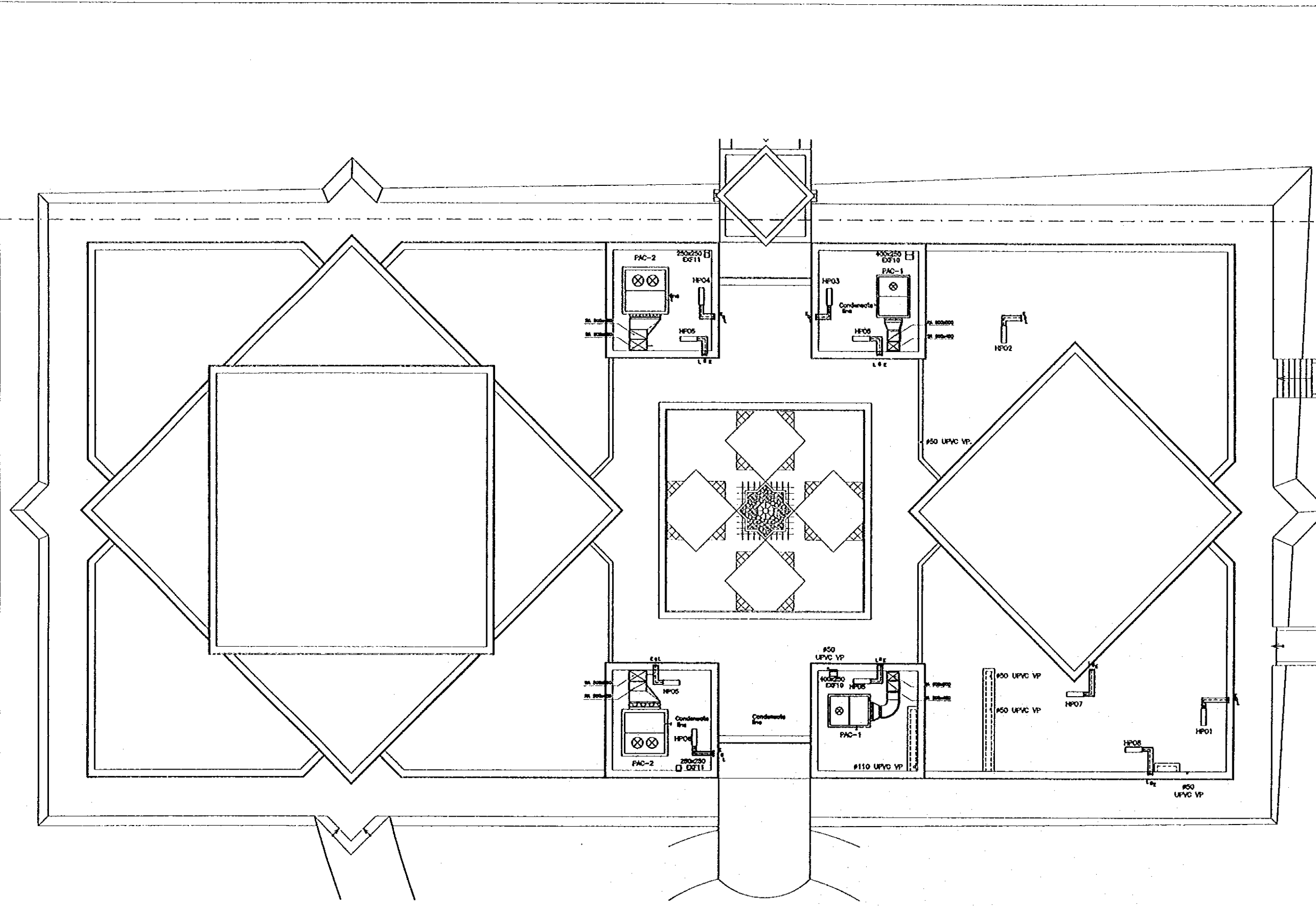


Date: June 2000

ROOF PLAN
 HVAC LAYOUT -1

Drawing Title:

Scale: 1/100
 Drawing No.: DSPC.W-004



Project:
 Tourism Sector Development Project
 1- 14 QAD 14576/14576/14576 QD JICA SITE PLAN.

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

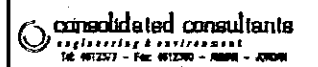
SUB-PROJECT:
 Dead Sea Panoramic Complex

Note:
 This detailed design has been executed by a team of consultants as shown below in accordance with the agreement between the Japan International Cooperation Agency (JICA) and JICA Study Team. The copyright of this drawing rests with JICA.

PACKAGE UNITS SHALL BE MOUNTED 1.5m FSL SOUND TRAP SHALL BE INSTALLED AT SUPPLY AND RETURN DUCTS



Designed by:
 Japan International Cooperation Agency (JICA)
 JICA Study Team:
 Joint Venture of
 Pacific Consultants International and
 Yamashita Sekkel Inc.

Subcontracted Local Consultant:


Date: June 2000

ROOF PLAN
 HVAC LAYOUT - 3

Drawing Title:

Scale: 1/100 Drawing No.: DSPC-M-005

HEAT PUMP SCHEDULE													
No.	SERVED AREA	COOLING COOL.				HEATING CAPACITY		SUPPLY FAN		BY CODE	M.C.C. NO.		TYPE
		ESTM. AIR FLOW L/SEC	ESTM. AIR FLOW M ³ /HR	CAPACITY KW	CAPACITY TON	ESTM. TOTAL L/SEC	ESTM. KW	NORMAL	EMERGENCY				
HP1	SECURITY	23.2	11.0	18.0	11.8	3.18	3.53	1.78	-	0.05	2.10	N	DECORATIVE
HP2	LABORATORY	24.8	15.1	18.0	11.0	4.41	4.83	2.07	25	0.05	2.10	N	DUCTED
HP3	CONFERENCE FOYER	26.7	17.7	18.8	14.1	4.09	4.10	1.78	25	0.05	1.80	N	DUCTED
HP4	SHOP	25.5	13.9	14.7	11.5	4.50	4.73	5.04	25	0.05	2.15	N	DUCTED
HP5	CORRIDOR	23.5	14.8	13.7	10.8	10.18	10.28	4.04	35	0.55	5.80	N	DUCTED
HP6	TICKET	28.2	15.8	18.0	11.0	2.14	2.33	1.78	20	0.05	1.53	N	DUCTED
HP7	CONTROL	24.3	13.1	18.0	11.8	2.36	2.52	1.71	-	0.05	2.10	N	DECORATIVE
HP8	OFFICE	25.1	18.1	14.8	12.0	7.21	7.80	4.35	-	0.10	3.20	N	DECORATIVE
HP9	KITCHEN	30.8	18.2	17.8	15.2	8.87	7.34	1.07	-	0.10	3.80	N	DECORATIVE
HP10	KITCHEN	30.0	17.9	17.9	13.4	8.45	8.79	1.08	-	0.10	3.80	N	DECORATIVE
HP11	KITCHEN	30.0	17.8	17.8	13.4	8.35	2.44	0.50	-	0.05	2.10	N	DECORATIVE
HP12	BAS.OFFICE HOUSE	24.2	15.2	14.8	11.4	1.36	1.43	1.29	-	0.05	2.10	N	DECORATIVE
HP13	BAS.OFFICE	25.4	15.5	14.8	11.1	2.42	2.42	1.70	-	0.05	2.10	N	DECORATIVE
HP14	BAS.REST AREA	24.5	15.3	14.8	11.3	3.54	3.79	3.34	-	0.05	2.10	N	DECORATIVE

PACKAGE UNITS SCHEDULE															
No.	SERVED AREA	SUPPLY AIR L/SEC	RETURN AIR L/SEC	TOTAL AIR L/SEC	COOLING COOL.				HEATING		SUPPL AIR FAN		M.C.C. NO.		
					ESTM. AIR FLOW L/SEC	ESTM. AIR FLOW M ³ /HR	CAPACITY KW	CAPACITY TON	ESTM. TOTAL L/SEC	ESTM. KW	SUPPLY AIR L/SEC	ESTM. TOTAL L/SEC	NORMAL	EMERGENCY	
PAC-1	CONFERENCE	1388	644	1012	26.8	17.8	17.7	13.4	30.40	23.80	8.24	1388		N	
PAC-2	EXHIBITION	3400	800	2880	25.7	15.8	14.3	10.7	42.73	48.82	20.53	3400		N	
PAC-3	RETURN	3008	780	2148	28.9	18.2	15.8	11.3	40.08	45.54	13.85	3008		N	

NOTES: CONTRACTOR SHALL SUBMIT CALCULATIONS OF RESISTANCE OF SYSTEM PRIOR TO OR WITH SUBMITTAL OF PACKAGES. HE SHALL TAKE INTO CONSIDERATION THE ACTUAL RESISTANCE THROUGH THE COILS, SOUND ATTENUATORS, MIXING BOX, DAMPERS, AND AIR OUTLETS.

DEFUSER SCHEDULE							
DEFUSER NO.	SERVED AREA	AIR FLOW L/SEC	THROW (m)	NC	QTY	TYPE	REMARKS
SD-2	TICKETS	190	230x230	5	51	1	4-WAY CEILING DIRECTION
SD-1	KITCHEN	185	230x230	5	50	2	4-WAY CEILING DIRECTION
SD-3	KITCHEN	183	300x300	6	52	2	4-WAY CEILING DIRECTION

RETURN GRILLE SCHEDULE				
GRILLE NO.	SERVED AREA	SIZE (mmxmm)	QTY	TYPE
GR-1	TICKETS	230x230	1	CEILING TYPE

FAN SCHEDULE								
FAN NO.	LOCATION	SERVED AREA	CAPACITY L/SEC	ESTM TOTAL L/SEC	ESTM KW	M.C.C. NO		REMARKS
						NORMAL	EMERGENCY	
DF1	BASEMENT TOILET	BASEMENT TOILET	80	50	0.10	N		DUCTED IN LINE
DF2	RESTURANT KITCHEN	RESTURANT KITCHEN	435	40	0.20		E	DUCTED IN LINE
DF3	RESTURANT KITCHEN	RESTURANT KITCHEN	330	35	0.20		E	DUCTED IN LINE
DF4	RESTURANT F TOILETS	RESTURANT F TOILETS	75	15	0.10	N		DUCTED IN LINE
DF5	RESTURANT M TOILETS	RESTURANT M TOILETS	105	20	0.10			DUCTED IN LINE
DF6	SECURITY WC	SECURITY WC	85	45	0.10	N		DUCTED IN LINE
DF7	MALE WC	MALE WC	190	40	0.10	N		DUCTED IN LINE
DF8	FEMALE WC	FEMALE WC	70	30	0.10			DUCTED IN LINE
DF9	ROOF	RESTURANT	300	30	0.25		E	DUCTED IN LINE
DF10	ROOF	CONFERENCE	450	40	0.25		E	DUCTED IN LINE
DF11	ROOF	EXHIBITION	320	40	0.20		E	DUCTED IN LINE
FA1	RESTURANT KITCHEN	RESTURANT KITCHEN	385	30	0.20	N		
FA2	RESTURANT KITCHEN	RESTURANT KITCHEN	300	30	0.20	N		

NOTES: CONTRACTOR SHALL SUBMIT CALCULATIONS OF RESISTANCE OF SYSTEM PRIOR TO OR WITH SUBMITTAL OF FANS. HE SHALL TAKE INTO CONSIDERATION THE ACTUAL RESISTANCE THROUGH DUCT WORK AIR INLETS.

EXHAUST GRILLE SCHEDULE				
GRILLE No.	FLOW L/SEC	SIZE (mmxmm)	QTY	TYPE
EEO-1	10	150x150	11	CEILING TYPE
EEO-2	20	150x150	5	CEILING TYPE
EEO-3	25	150x150	1	CEILING TYPE
EEO-4	30	200x200	1	CEILING TYPE
EEO-5	35	200x200	2	CEILING TYPE
EEO-6	40	200x200	2	CEILING TYPE
EEO-7	45	200x200	1	CEILING TYPE
EEO-8	80	200x200	1	CEILING TYPE
EEO-9	140	300x300	2	CEILING TYPE
EEO-10	218	300x300	2	CEILING TYPE

RETURN LINEAR SLOT DIFFUSER SCHEDULE					
No.	SERVED AREA	FLOW L/SEC	SIZE (mmxmm)	QTY	NOTES
RL-1	RESTURANT	780	1220x410	2	ACCOMPANIED WITH INSECT SCREEN
RL-2	KITCHEN	385	780x410	1	ACCOMPANIED WITH INSECT SCREEN
RL-3	KITCHEN	300	810x200	1	ACCOMPANIED WITH INSECT SCREEN
RL-4	CONFERENCE	644	1220x410	2	ACCOMPANIED WITH INSECT SCREEN
RL-5	EXHIBITION	550	1220x410	2	ACCOMPANIED WITH INSECT SCREEN

SUPPLY LINEAR SLOT DIFFUSER SCHEDULE						
LINEAR SLOT No.	SERVED AREA	AIR FLOW L/S m	SLOT SIZE (mm)	No. OF SLOTS	THROW (m)	NC (DB)
LSO-1	RESTURANT	131	18	3	12	36
LSO-2	CONFERENCE	103	13	3	8	34
LSO-3	EXHIBITION	56	13	2	7	15
LSO-4	PREPARETION	105	18	2	7	31
LSO-5	CONFERENCE FOYER	140	18	3	8	32
LSO-6	CORRIDOR	175	18	3	9	35

RETURN LINEAR SLOT DIFFUSER SCHEDULE						
LINEAR SLOT No.	SERVED AREA	AIR FLOW L/S m	SLOT SIZE (mm)	No. OF SLOTS	THROW (m)	NC (DB)
RLSD-1	RESTURANT	131	18	3	-	-
RLSD-2	CONFERENCE	103	13	3	-	-
RLSD-3	EXHIBITION	56	13	2	-	-
RLSD-4	PREPARETION	105	18	2	-	-
RLSD-5	CONFERENCE FOYER	140	18	3	-	-
RLSD-6	CORRIDOR	175	18	3	-	-

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

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

SUS-PROJECT:
Dead Sea Panoramic Complex

Note:
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.

Designed by:
Japan International Cooperation Agency (JICA)

JICA Study Team:
Joint Venture of Pacific Consultants International and Yamasato Sekkei Inc.

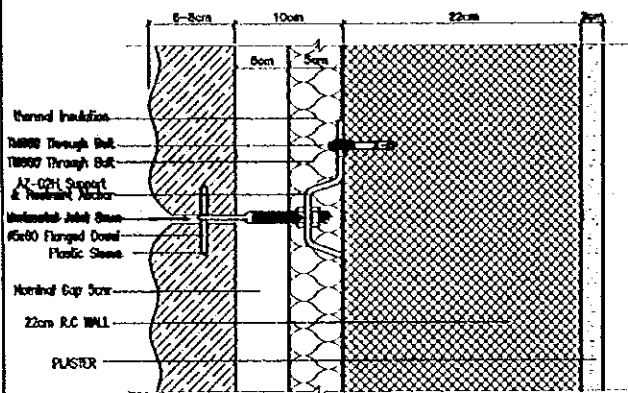
Subcontracted Local Consultant:
consolidated consultants
Engineering & Environment
16, 161271 - Fax: 9712280 - JORDAN - JORDAN

Date: June 2000

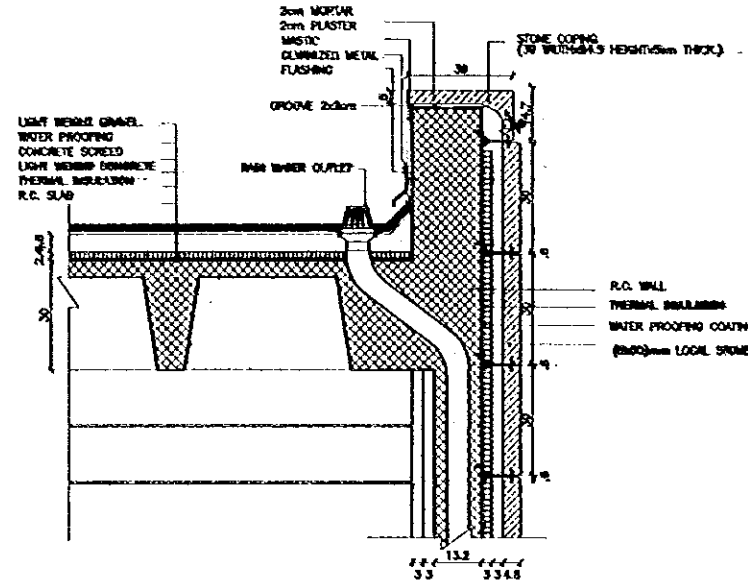
HVAC EQUIPMENT SCHEDULE

Drawing Title:

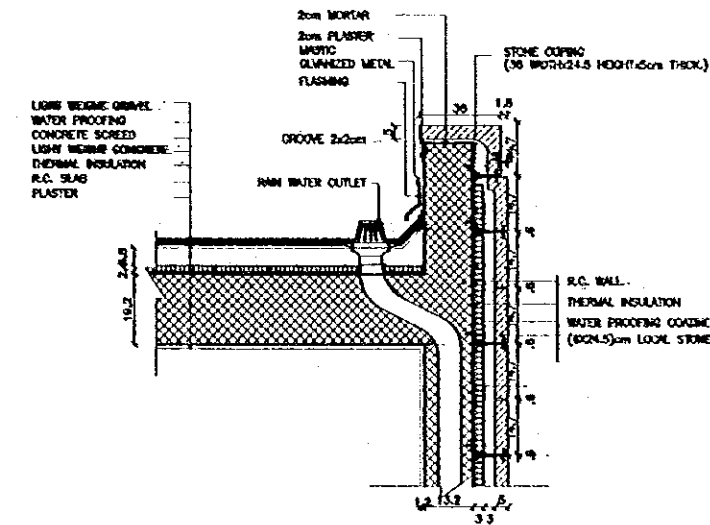
Scale: N.T.S. Drawing No.: DSPC-M-006



1 TYPICAL SECTION
SCALE = 1/2



3 ISOMETRIC VIEW OF BRACKET
N.T.S.



EXPOSED WALLS :

COMPONENT	M	K	R = x/k
Outside Film	-	-	0.03000
Stone	0.050	1.70	0.03529
Air Gap	0.025	-	0.18000
Extruded Polystyrene	0.025	0.03	0.83333
R.C.	0.110	1.20	0.09090
Plaster	0.010	1.20	0.00833
Inside Film	-	-	0.12000
Total 399.75 Kg/m ²			R _T = 1.2881

$$U_1 = \frac{1}{R_T} = \frac{1}{1.26981} = 0.787 \text{ W/m}^2\text{ }^\circ\text{C}$$

ROOF : MUSEUM (RIBBED).

MATERIAL	X1	K1	R1	X2	K2	R2
Outside Film	-	-	0.02000	-	-	0.02000
Gravel	0.010	1.50	0.00667	0.010	1.50	0.00667
Lama Sheet's	0.001	0.18	0.00556	0.001	0.18	0.00556
Screed	0.080	1.20	0.00833	0.080	1.20	0.00833
Light Weight Conc.	0.080	1.00	0.00800	0.080	1.00	0.00800
Extruded Polystyrene	0.040	0.03	1.33333	0.040	0.03	1.33333
R.C.	0.380	1.75	0.18857	0.190	1.75	0.09000
Plaster	-	-	-	0.100	1.00	0.10000
Inside Film	-	-	0.10000	-	-	0.10000
Total 946.3 kg/m ²			R _T = 1.78675			R _T = 1.86389

$$U_1 = \frac{1}{R_T} = \frac{1}{1.78675} = 0.55968 \text{ W/m}^2\text{ }^\circ\text{C}$$

$$U_2 = \frac{1}{R_T} = \frac{1}{1.86389} = 0.53651 \text{ W/m}^2\text{ }^\circ\text{C}$$

$$U_T = \frac{0.53651 \times 3 + 0.55968 \times 1}{4} = 0.542 \text{ W/m}^2\text{ }^\circ\text{C}$$

$$W_1 = 946.3 \text{ Kg/m}^2\text{ }^\circ\text{C}$$

$$W_2 = 874.3 \text{ Kg/m}^2\text{ }^\circ\text{C}$$

$$W_T = \frac{874.3 \times 3 + 946.3 \times 1}{4} = 892.3 \text{ Kg/m}^2\text{ }^\circ\text{C}$$

ROOF : (WVFLE).

MATERIAL	X1	K1	R1	X2	K2	R2
Outside Film	-	-	0.02000	-	-	0.02000
Gravel	0.010	1.50	0.00667	0.010	1.50	0.00667
Lama Sheet's	0.001	0.18	0.00556	0.001	0.18	0.00556
Screed	0.080	1.20	0.00833	0.080	1.20	0.00833
Light Weight Conc.	0.080	1.00	0.00800	0.080	1.00	0.00800
Extruded Polystyrene	0.040	0.03	1.33333	0.040	0.03	1.33333
R.C.	0.300	1.75	0.17143	0.075	1.75	0.04286
Inside Film	-	-	0.10000	-	-	0.10000
Total 1286.3 kg/m ²			R _T = 1.88127			R _T = 1.63842

$$U_1 = \frac{1}{R_T} = \frac{1}{1.88127} = 0.532 \text{ W/m}^2\text{ }^\circ\text{C}$$

$$U_2 = \frac{1}{R_T} = \frac{1}{1.63842} = 0.610 \text{ W/m}^2\text{ }^\circ\text{C}$$

$$U_T = 0.610 \times 0.58 + 0.532 \times 0.42 = 0.577 \text{ W/m}^2\text{ }^\circ\text{C}$$

$$W_T = 436.3 \times 0.58 + 1286.3 \times 0.42 = 793.17 \text{ Kg/m}^2\text{ }^\circ\text{C}$$

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:
Dead Sea Panoramic Complex

Note:
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.

Designed by:
Japan International Cooperation
Agency (JICA)

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

Subcontracted Local Consultant:

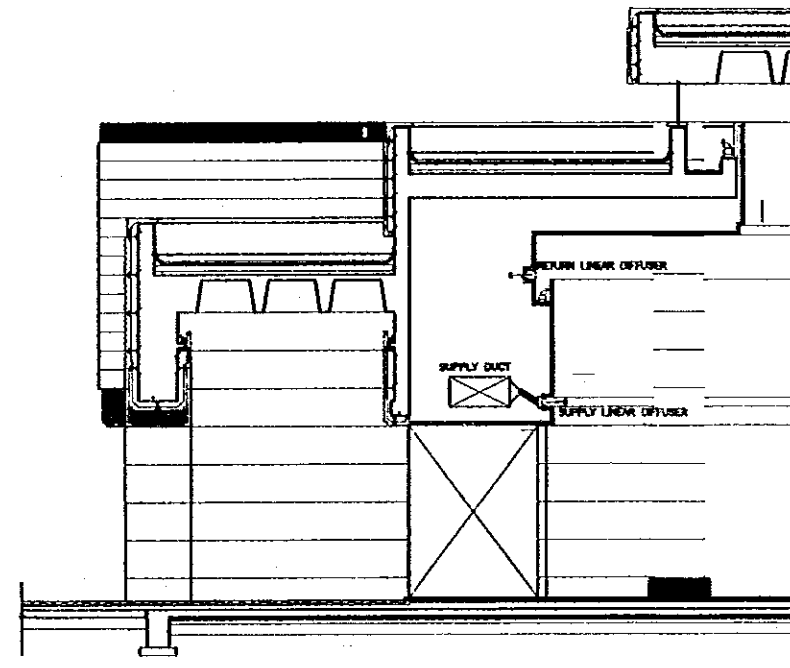
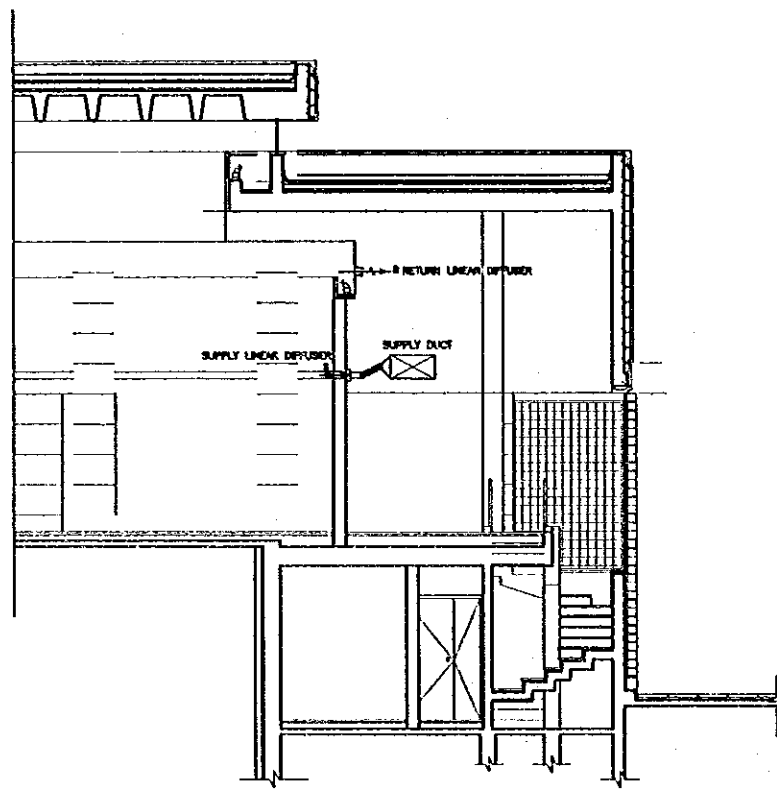
consolidated consultants
engineering & environment
TEL: 0112277 - Fax: 0112280 - 20000 - 20000

Date: June 2000

THERMAL INSULATION

Drawing Title:

Scale: N.T.S. Drawing No.: DSPC.M-007



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:
 Dead Sea Panoramic Complex

Note:
 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.

Designed by:
 Japan International Cooperation
 Agency (JICA)

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

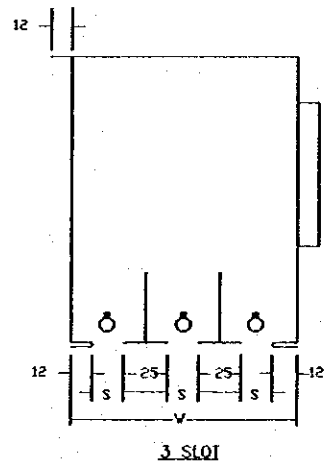
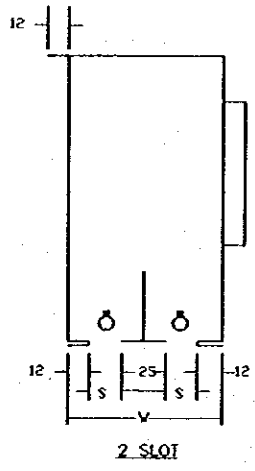
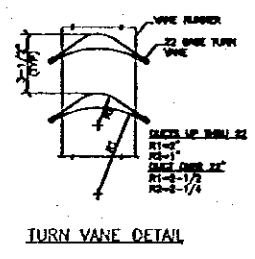
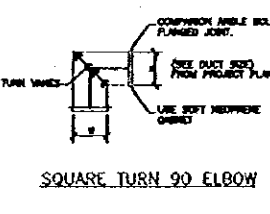
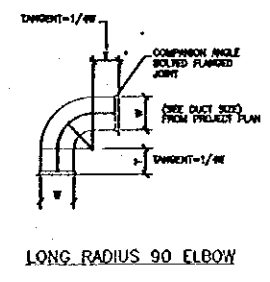
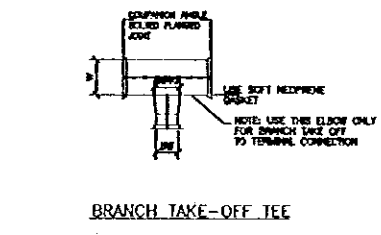
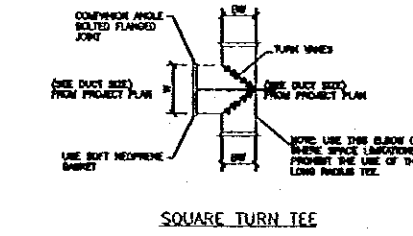
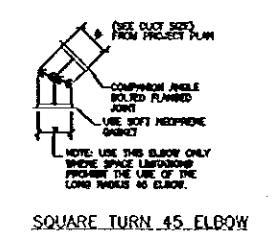
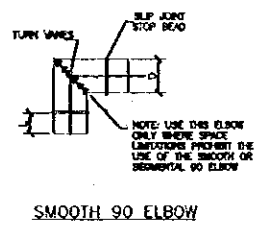
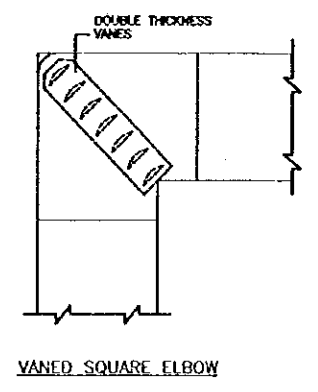
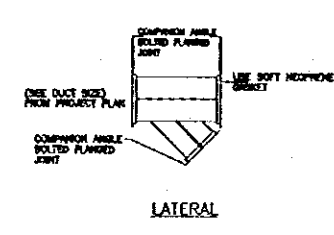
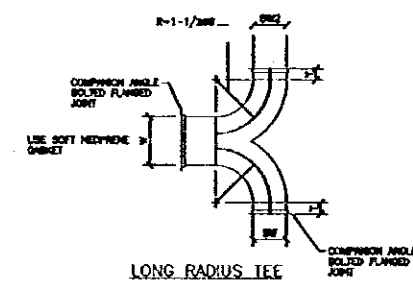
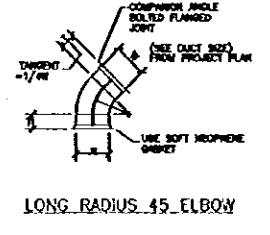
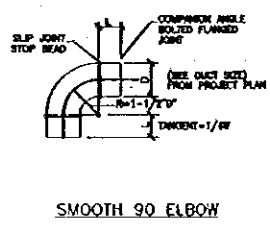
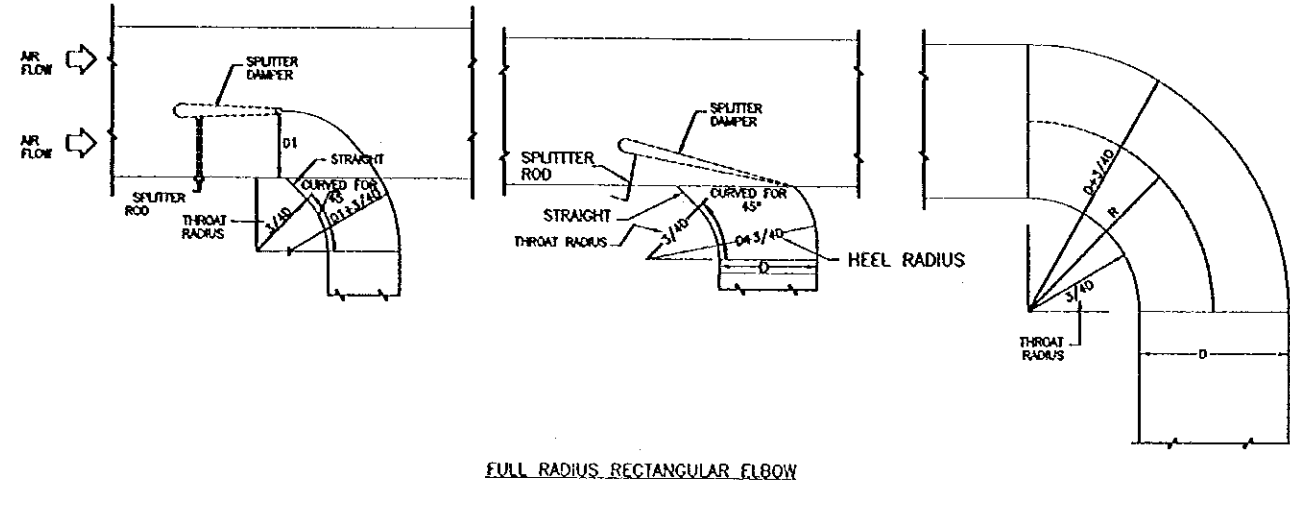
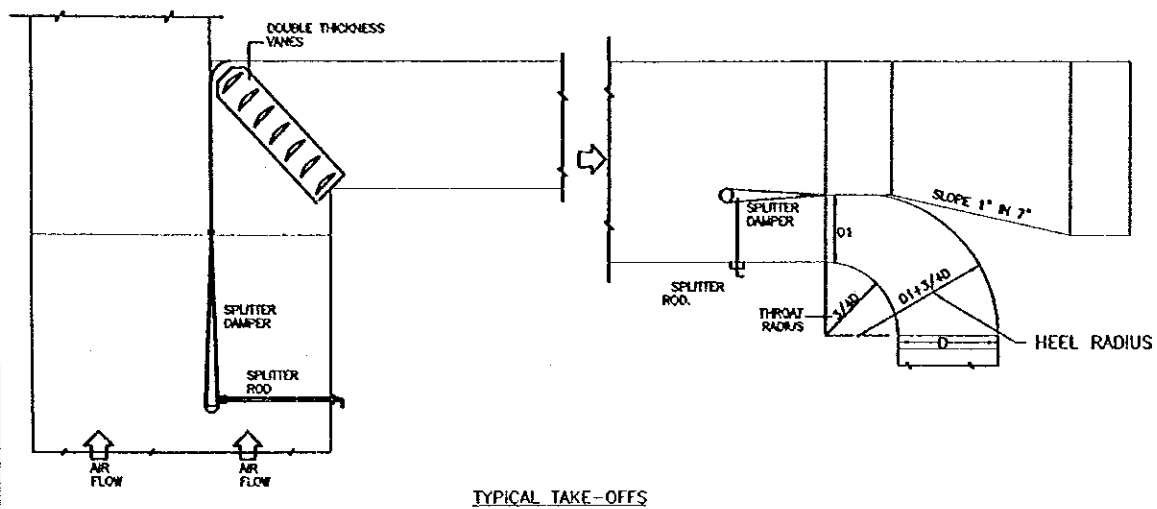
Subcontracted Local Consultant:

 No. 0012377 - Fax 0012380 - Amman - JORDAN

Date: June 2000

HVAC SECTIONS
 Drawing Title:

Scale: 1/20
 Drawing No.: DSPC.M-008



SLOT WIDTH S	WIDTH W	
	2 SLOT	3 SLOT
15	76	114
19	86	130
25	102	148

DETAILS OF THE INSTALLATION OF THE MEDIUM PRESSURE DUCT LAYOUT

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:
Dead Sea Panoramic Complex

Note:
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.

Designed by:
Japan International Cooperation
Agency (JICA)

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

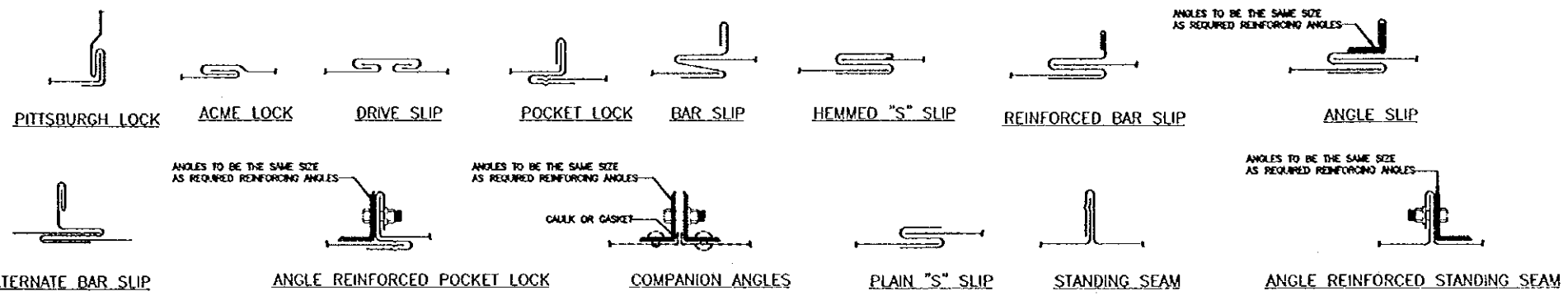
Subcontracted Local Consultant:
consolidated consultants
Engineering & Environment
Tel: 0012377 - Fax: 0012380 - AMMAN - JORDAN

Date: June 2000

MECHANICAL DETAILS

Drawing Title:

Scale: N.T.S. Drawing No.: DSPC.M-009



INSTALLATION NOTES

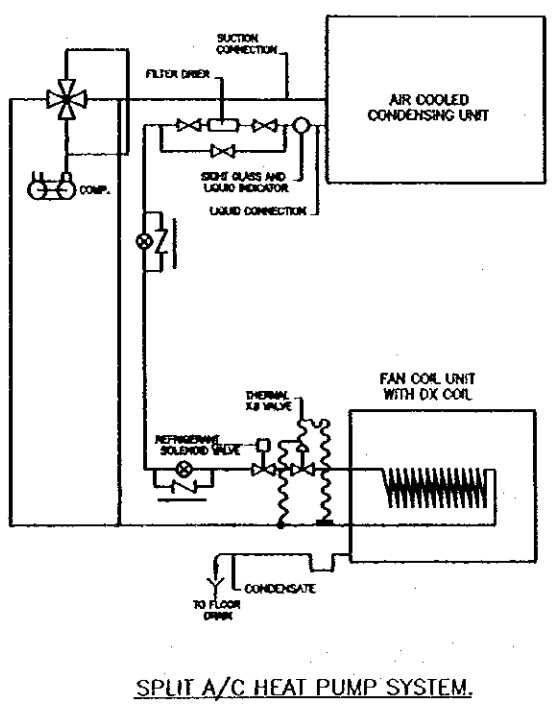
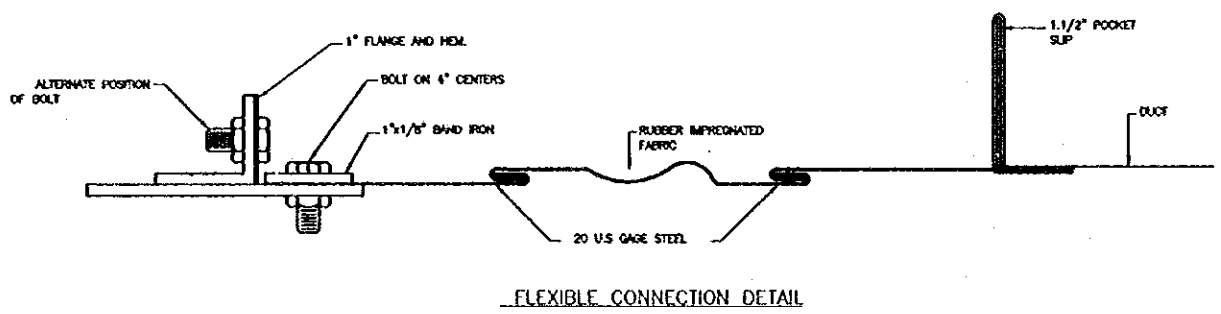
1. SET UNIT DEAD LEVEL BOTH DIRECTION-CHECK WITH CARPENTER LEVEL
2. LUBRICATE FANS & MOTORS AS RECOMMENDED BY THE MANUFACTURER
3. CHECK OUT ALL CONTROLS AFTER START-UP
4. PROVIDE THE UNIT WITH CONCRETE BASE ACCOMPANIED BY ANTI-VIBRATION PADS

NOTE:

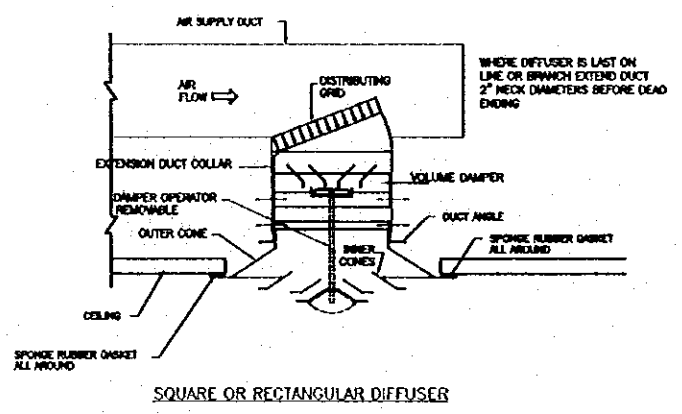
- 1- OUT DOOR INSULATION SHALL BE 2" THICK GLASS FIBRE INSULATION COVERED BY LAYERS OF 15 L.B FOLI HOT MOPPED IN PLACE & THEN COVERED WITH AN ALUMINUM SHEATH OF 0.018" THICKNESS & ALL PIPING AND DUCT WORK EXPOSED TO THE WEATHER SHALL BE INSULATED IN THIS MANNER.
- 2- THERMOSTAT SHALL HAVE CURRENT CARRYING CAPACITY OF 120K OF INSTALLED MATIADA OR A CONTRACTOR PANEL SHALL BE INSTALLED.

CONSTRUCTION OF RECTANGULAR STEEL DUCTWORK

GREATEST DUCT DIMENSION	STEEL DUCTS U.S. STANDARD GAUGE	LONGITUDINAL SEAM	TRANSVERSE JOINT SMALLEST DIMENSION	TRANSVERSE JOINT GREATEST DIMENSION	REINFORCING (ALL DUCTS 18" THRU 54" SHALL BE CROSSBROWN)
12" OR LESS	26	PITTSBURGH OR ACME LOCK	DRIVE SLIP OR POCKET LOCK OR BAR SLIP	PLAIN "S" SLIP OR POCKET LOCK OR BAR SLIP	NONE REQUIRED
13" THRU 18"	24	PITTSBURGH OR ACME LOCK	DRIVE SLIP OR POCKET LOCK OR BAR SLIP	PLAIN "S" SLIP OR POCKET LOCK OR BAR SLIP	NONE REQUIRED
19" THRU 30"	24	PITTSBURGH OR ACME LOCK	HEMMED "S" SLIP OR BAR SLIP OR DRIVE SLIP OR 1" POCKET LOCK	HEMMED "S" SLIP OR BAR SLIP OR POCKET LOCK	IF TRANSVERSE JOINTS ARE LOCATED 4'-0" OR LESS ON CENTER NO REINFORCING IF ON 8'-0" CENTERS REINFORCE WITH 1 1/2"x1/8" ANGLES AT 4 FT. O.C. FASTENED TO DUCT ON 8" CENTERS
31" THRU 42"	22	PITTSBURGH OR ACME LOCK	DRIVE SLIP, IF 18" OR LESS BAR SLIP, REINFORCED BAR SLIP, OR POCKET LOCK	BAR SLIP OR REINFORCED BAR SLIP OR POCKET LOCK	IF TRANSVERSE JOINTS ARE LOCATED 4'-0" OR LESS ON CENTER NO REINFORCING IF ON 8'-0" CENTERS REINFORCE WITH 1 1/2"x1/8" ANGLES AT 4 FT. O.C. FASTENED TO DUCT ON 8" CENTERS
43" THRU 54"	22	PITTSBURGH LOCK	1 1/4" BAR SLIP, OR REINFORCED BAR SLIP, OR 1 1/2" POCKET LOCK	1 1/4" BAR SLIP, OR REINFORCED BAR SLIP, OR 1 1/2" POCKET LOCK	IF TRANSVERSE JOINTS ARE LOCATED 4'-0" OR LESS ON CENTER NO REINFORCING IF ON 8'-0" CENTERS REINFORCE WITH 1 1/2"x1/8" ANGLES AT 4 FT. O.C. FASTENED TO DUCT ON 8" CENTERS
55" THRU 60"	20	PITTSBURGH LOCK	1 1/4" BAR SLIP, OR REINFORCED BAR SLIP, OR 1 1/2" POCKET LOCK	1 1/4" BAR SLIP, OR REINFORCED BAR SLIP, OR 1 1/2" POCKET LOCK	IF TRANSVERSE JOINTS ARE LOCATED 4'-0" OR LESS ON CENTER NO REINFORCING IF ON 8'-0" CENTERS REINFORCE WITH 1 1/2"x1/8" ANGLES AT 4 FT. O.C. FASTENED TO DUCT ON 8" CENTERS
61" THRU 84"	20	PITTSBURGH LOCK	REINFORCED BAR SLIP, OR ANGLE SLIP, ALTERNATE BAR SLIP, OR ANGLE REINFORCED POCKET LOCK	REINFORCED BAR SLIP, OR ANGLE SLIP, ALTERNATE BAR SLIP, OR ANGLE REINFORCED POCKET LOCK	REINFORCE ALL SIDES OVER 60" WITH 1 1/2"x1 1/2"x1/8" ANGLES ON 2'-0" CENTERS. SIDES UNDER 60" NEED NO REINFORCING IF JOINTS ARE ON 4'-0" CENTERS. IF JOINTS ARE ON 8'-0" CENTERS REINFORCE WITH 1 1/2"x1 1/2"x1/8" ANGLES ON 4'-0" CENTERS.
85" THRU 96"	18	PITTSBURGH LOCK	1 1/2" COMPANION ANGLES, OR ANGLE REINFORCED POCKET LOCK OR 1 1/2" ANGLE SLIP OR REINFORCED BAR SLIP	1 1/2" COMPANION ANGLES, OR ANGLE REINFORCED POCKET LOCK OR 1 1/2" ANGLE SLIP OR REINFORCED BAR SLIP	REINFORCE ALL SIDES OVER 84" WITH 1 1/2"x1 1/2"x3/16" ANGLES ON 2'-0" CENTERS. SIDES 81" THRU 84" REINFORCE WITH 1 1/2"x1 1/2"x1/8" ANGLES ON 2'-0" CENTERS. SIDES 80" OR LESS NEED NO REINFORCING IF JOINTS ARE ON 4'-0" CENTERS. IF JOINTS ARE ON 8'-0" CENTERS REINFORCE WITH 1 1/2"x1 1/2"x1/8" ANGLES ON 4'-0" CENTERS.
OVER 96"	18	PITTSBURGH LOCK	2" COMPANION ANGLE, OR 2"x2"x1/4" ANGLE SLIP, OR 2"x2"x1/4" ANGLE REINFORCED POCKET LOCK OR REINFORCED BAR SLIP	2" COMPANION ANGLE, OR 2"x2"x1/4" ANGLE SLIP, OR 2"x2"x1/4" ANGLE REINFORCED POCKET LOCK OR REINFORCED BAR SLIP	REINFORCE ALL SIDES OVER 96" WITH 2"x2"x1/4" ANGLES ON 2'-0" CENTERS. REINFORCE ALL SIDES 85" THRU 96" WITH 1 1/2"x1 1/2"x3/16" ANGLES ON 2'-0" CENTERS. REINFORCE ALL SIDES 81" THRU 84" WITH 1 1/2"x1 1/2"x1/8" ANGLES ON 2'-0" CENTERS. REINFORCE ALL SIDES UNDER 80" WITH 1 1/2"x1 1/2"x1/8" ANGLES IF JOINTS ARE 8'-0" ON CENTER. NO REINFORCING IF JOINTS ARE 4'-0" ON CENTER.



SPLIT A/C HEAT PUMP SYSTEM.

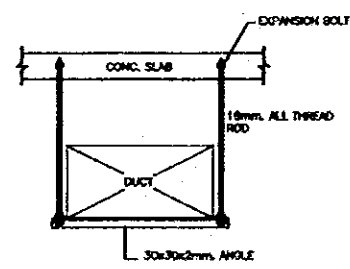


- INSTALLATION NOTES**
- 1- CONNECT AIR DISTRIBUTION GRID EXTENSION DUCT COLLAR.
 - 1- FASTEN EXTENSION DUCT COLLAR AND DISTRIBUTION GRID ASSEMBLY TO DUCTWORK WITH SHEET METAL SCREWS.
 - 3- AFTER CEILING OR WALL IS INSTALLED, INSTALL DIFFUSER WITH SHEET METAL SCREWS.
 - 4- CHECK TO SEE IF SPONGE RUBBER GASKET IS DRAWN UP AGAINST WALL OR CEILING FORMING A TIGHT SEAL. IF NOT REASSEMBLE AND RECHECK.
 - 5- SET DAMPER FOR BEST ROOM DISTRIBUTION.
 - 6- BALANCE AND ADJUST AIR FLOW QUANTITIES SHOWN ON PLANS.
 - 7- CLEAN CONSTRUCTION DIRT FROM DIFFUSER.
 - 8- REMOVE DAMPER OPERATOR FROM DIFFUSER AND TURN OVER TO OWNER'S REPRESENTATIVE.

DETAILS OF THE INSTALLATION OF THE AIR SUPPLY DIFFUSER



RETURN GRILLE INSTALLATION



SINGLE RECTANGULAR DUCT

DETAILS OF THE INSTALLATION OF HANGERS AND SUPPORTS FOR DUCTWORK

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:
Dead Sea Panoramic Complex

Note:
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.

Designed by:
Japan International Cooperation Agency (JICA)

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

Subcontracted Local Consultant:
consolidated consultants
engineering & environment
Tel: 0112377 - Fax: 0112370 - JARANI - JORDAN

Date: June 2000

MECHANICAL DETAILS


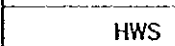
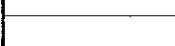







Drawing Title:

Scale: N.T.S. **Drawing No.:** DSPC.M-010

BLUMBING ABBREVIATIONS

F/A	FROM ABOVE
T/B	TO BELOW
UG	UNDER GROUND
MH	MANHOLE
TL	TOP LEVEL
IL	INVERT LEVEL
mm	MILLIMETER
LTS	LITERS
WDB	WATER DISTRIBUTION BOX
FE1	6kg PORTABLE FIRE EXTINGUISHER (BCF)
FE2	6kg PORTABLE FIRE EXTINGUISHER (CO2)
FE3	6kg AUTOMATIC FIRE EXTING UISHER
UPVC	UNPLASTICIZED PLOYVINYL CHLORIDE
XLPE	CROSS LINKED PLOY ETHYLENE
VP	VENT PIPE
DP	DRAIN PIPE
FD	FLOOR DRAIN
CO	CLEAN OUT
UT	UNDER TILE
FP	FIRE PUMP
WP	WATER PUMP
JP	JOKEY PUMP
LPG	LIQUID PETROLIUM GAS

PLUMBING LEGEND

 CWS	COLD WATER SUPPLY
 HWS	HOT WATER SUPPLY
 G	LPG LINE
 EWH	ELECTRIC WATER HEATER
	GATE VALVE
	ANGLE VALVE
 FE3	6kg AUTOMATIC FIRE EXTINGUISHER
 FE4	12kg PORTABLE FIRE EXTINGUISHER (DRY POWDER)
 FH	FIRE HYDRANT
 FHR	FIRE HOSE REEL

GENERAL NOTES

- ALL DIMENSIONS ARE IN mm.
- ALL BURIED LPG WORK SHALL BE INSTALLED 300 mm BELOW FFL ACCORDING TO NFPA 56.
- ALL LPG CYLINDERS SHALL BE OF 50 kg. WEIGHT.
- ALL FIRE HOSE REEL CABINETS SHALL BE ACCOMPANIED WITH 7 kg. ABCE FIRE EXTINGUISHER

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:
Dead Sea Panoramic Complex

Note:
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.

Designed by:
Japan International Cooperation
Agency (JICA)

JICA Study Team:
Joint Venture of
Pacific Consultants International and
Yamasita Sekkel Inc.

Subcontracted Local Consultant:

 consolidated consultants
Engineering & Environment
Tel: 0112277 - Fax: 0112288 - AMMAN - JORDAN

Date: June 2000

LEGEND & NOTES

Drawing Title:

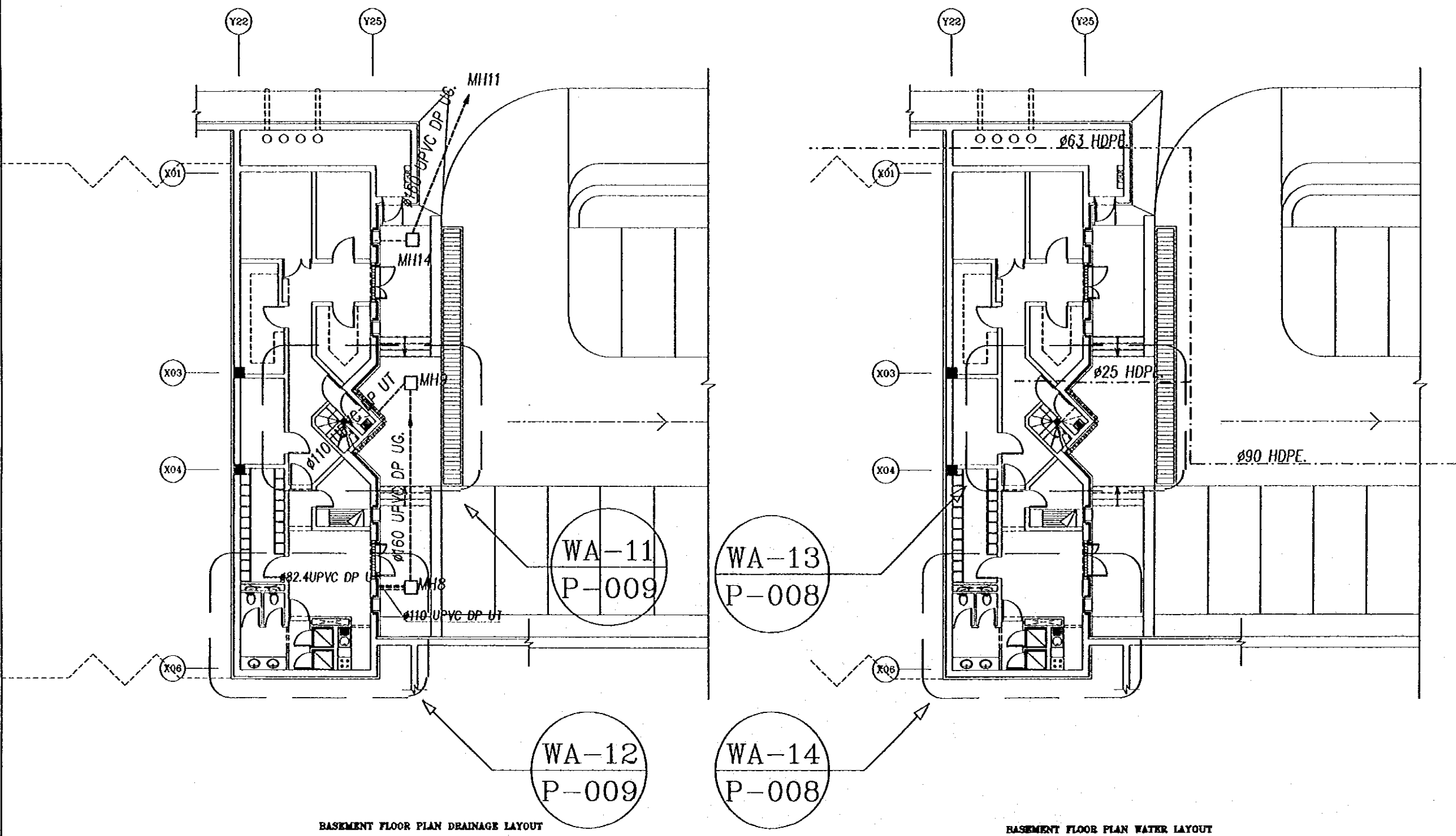
Scale: N.T.S. Drawing No.: DSPC.P-000

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:
 Dead Sea Panoramic Complex

Note:
 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.



Designed by:
 Japan International Cooperation
 Agency (JICA)

JICA Study Team:
 Joint Venture of
 Pacific Consultants International and
 Yamaoka Sakkel Inc.

Subcontracted Local Consultant:
 consolidated consultants
 engineering & environment
 Tel: 011227 - Fax: 011201 - JORDAN - AMMAN

Date: June 2000

BASEMENT FLOOR PLAN
 MECHANICAL WORKS

Drawing Title:

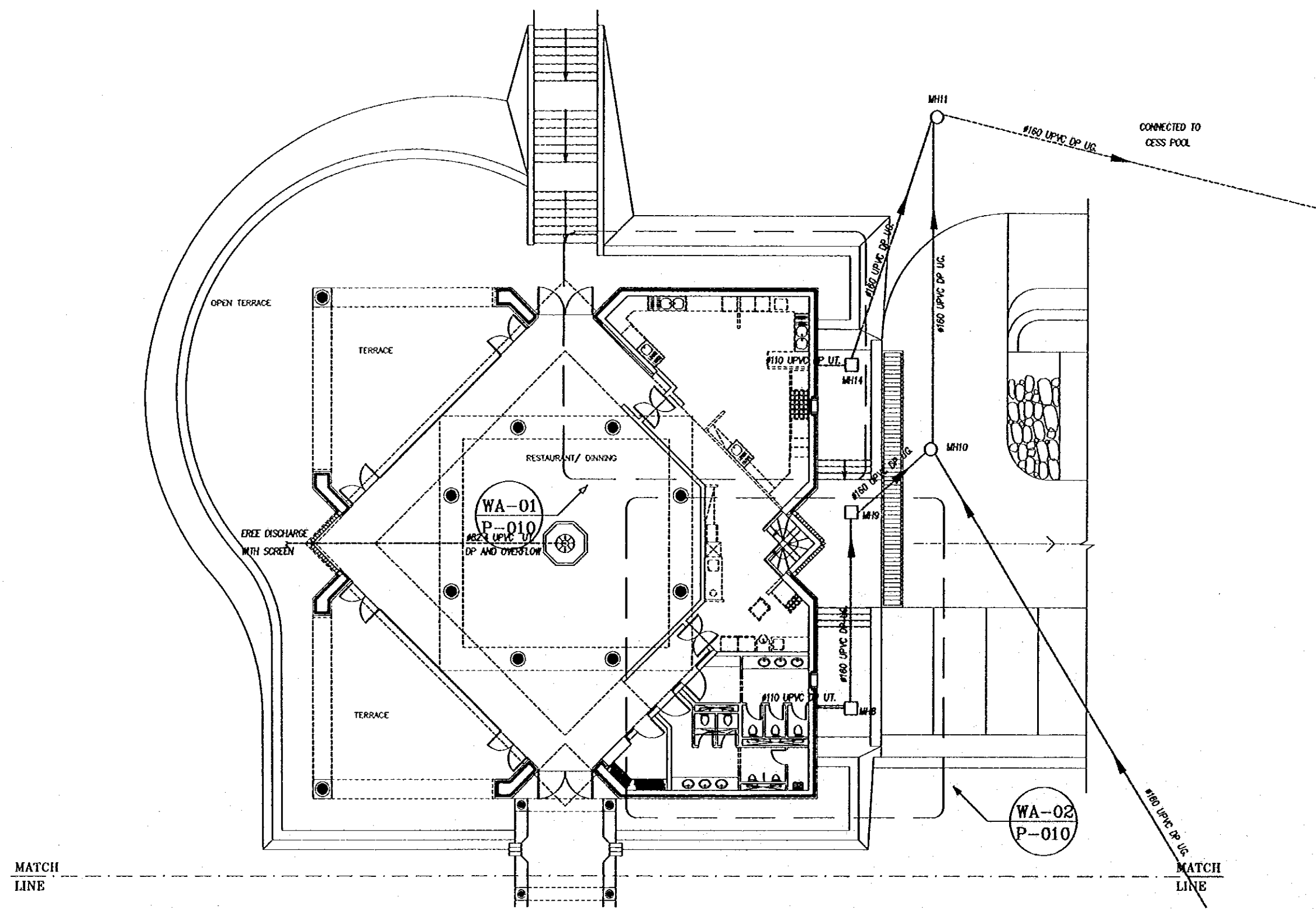
Scale: 1/100 Drawing No.: DSPC.P-001

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:
 Dead Sea Panoramic Complex

Note:
 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.



Designed by:
 Japan International Cooperation
 Agency (JICA)

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

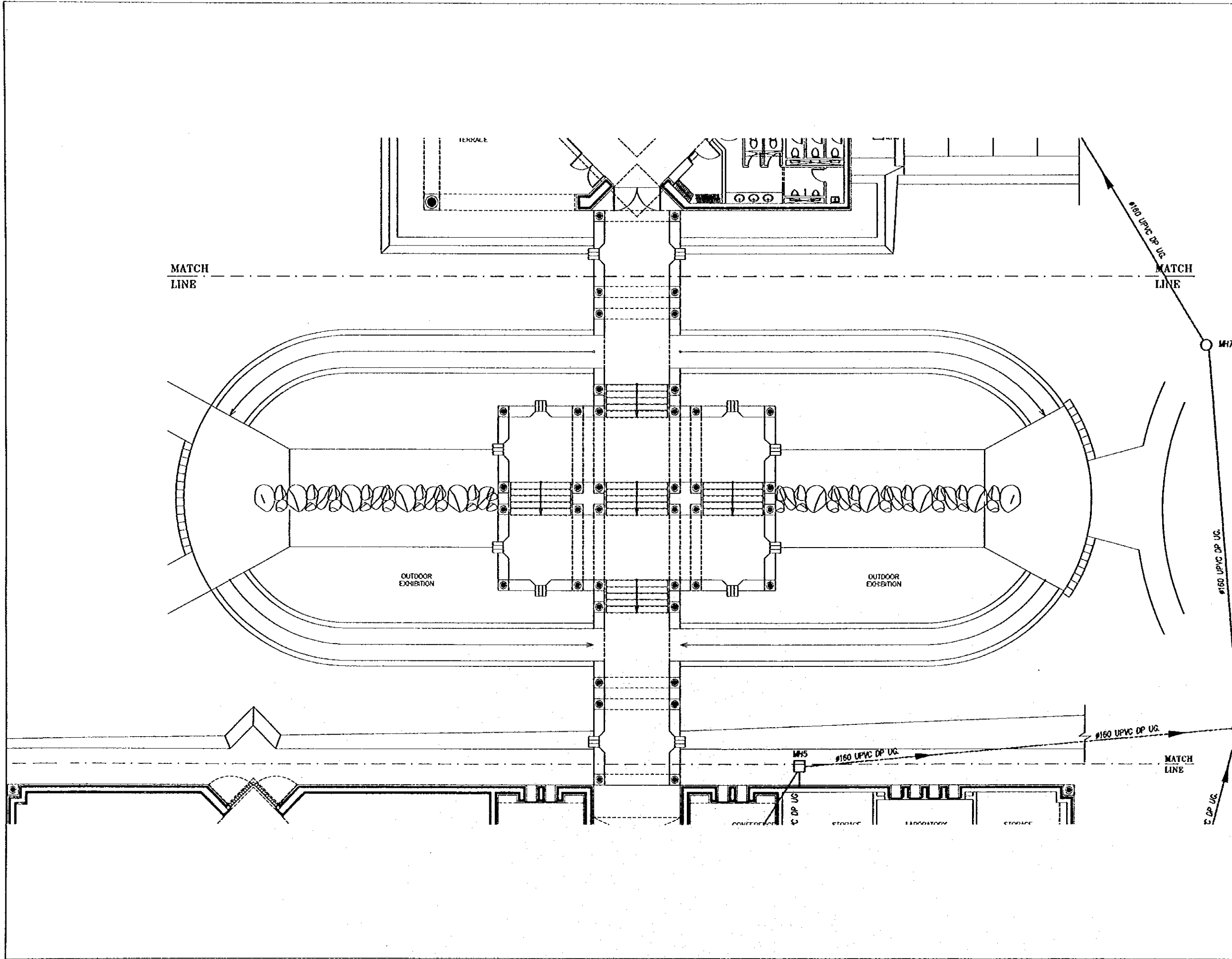
Subcontracted Local Consultant:
 consolidated consultants
 engineering & environment
 Tel: 9953277 - Fax: 9953288 - JORDAN - JORDAN

Date: June 2000

GROUND FLOOR PLAN
 DRAINAGE LAYOUT-1

Drawing Title:

Scale: 1/100
 Drawing No.: DSPC.P-002



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

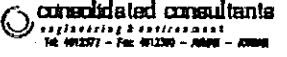
Executing Agency:
 The Ministry of Tourism and Antiquities
 The Ministry of Planning

SUB-PROJECT:
 Dead Sea Panoramic Complex

Note:
 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.

Designed by:
 Japan International Cooperation
 Agency (JICA)

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

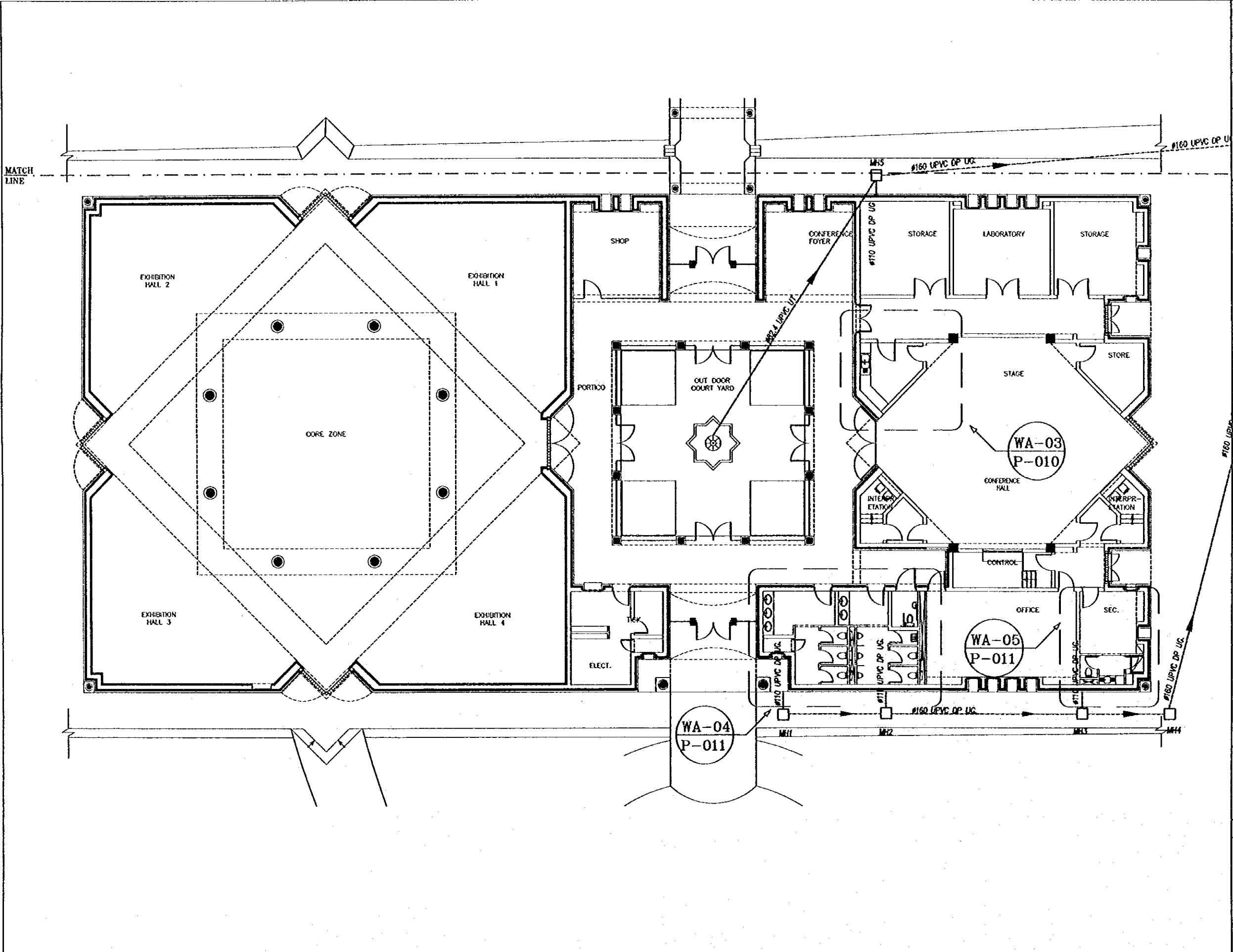
Subcontracted Local Consultant:

 consolidated consultants
 engineering & environment
 Tel: 9952371 - Fax: 9952370 - 9952372

Date:	June	2000
--------------	------	------

**GROUND FLOOR PLAN
 DRAINAGE LAYOUT -2**

Drawing Title:

Scale:	1/100
Drawing No.:	DSPC.P-003



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:
 Dead Sea Panoramic Complex

Note:
 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.

Designed by:
 Japan International Cooperation
 Agency (JICA)

JICA Study Team:
 Joint Venture of
 Pacific Consultants International and
 Yamaoto Sekkei Inc.

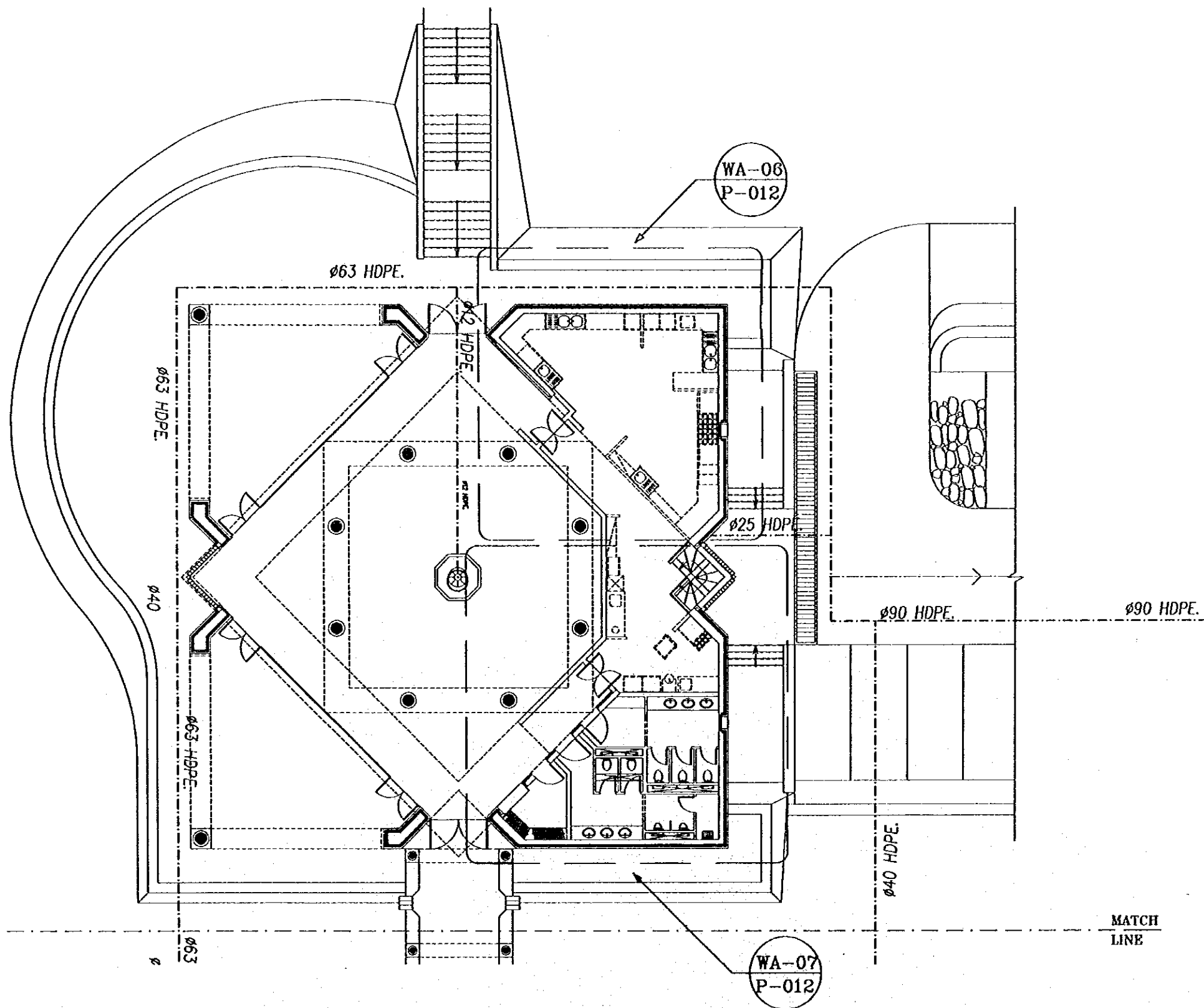
Subcontracted Local Consultant:
 consolidated consultants
 engineering & environment
 Tel: 0112377 - Fax: 0112380 - 70000 - 70001

Date: June 2000

GROUND FLOOR PLAN
 DRAINAGE LAYOUT - 3
 LEVEL

Drawing Title:

Scale: 1/100
 Drawing No.: DSPC.P-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:
 Dead Sea Panoramic Complex

Note:
 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.



Designed by:
 Japan International Cooperation
 Agency (JICA)

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

Subcontracted Local Consultant:

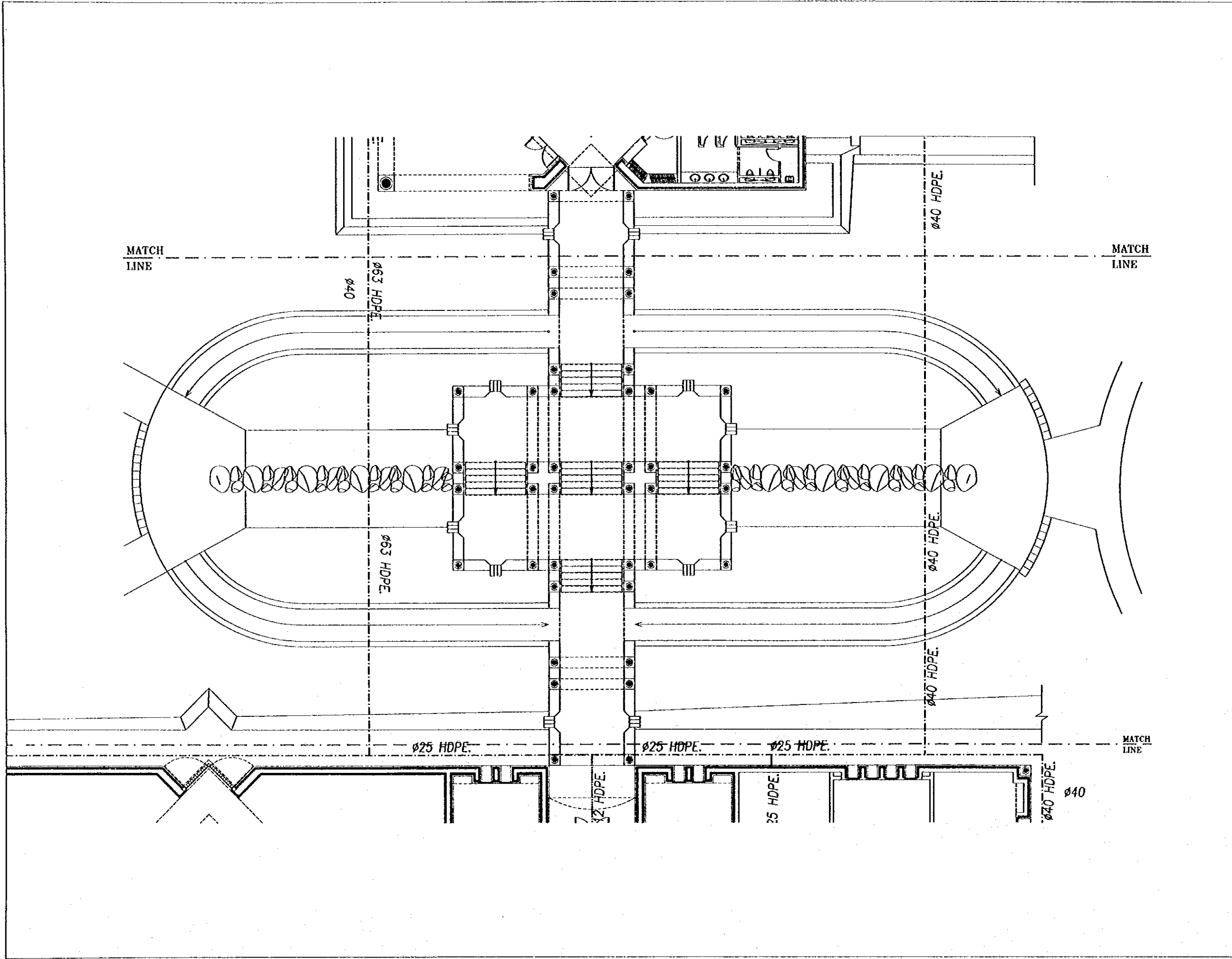
 consolidated consultants
 engineering & environmental
 Tel: 0912371 - Fax: 0912388 - Amman - Jordan

Date: June 2000

GROUND FLOOR
 WATER LAYOUT - 1

Drawing Title:

Scale: 1/100
 Drawing No.: DSPC.P-005



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:
 Dead Sea Panoramic Complex

Note:
 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.



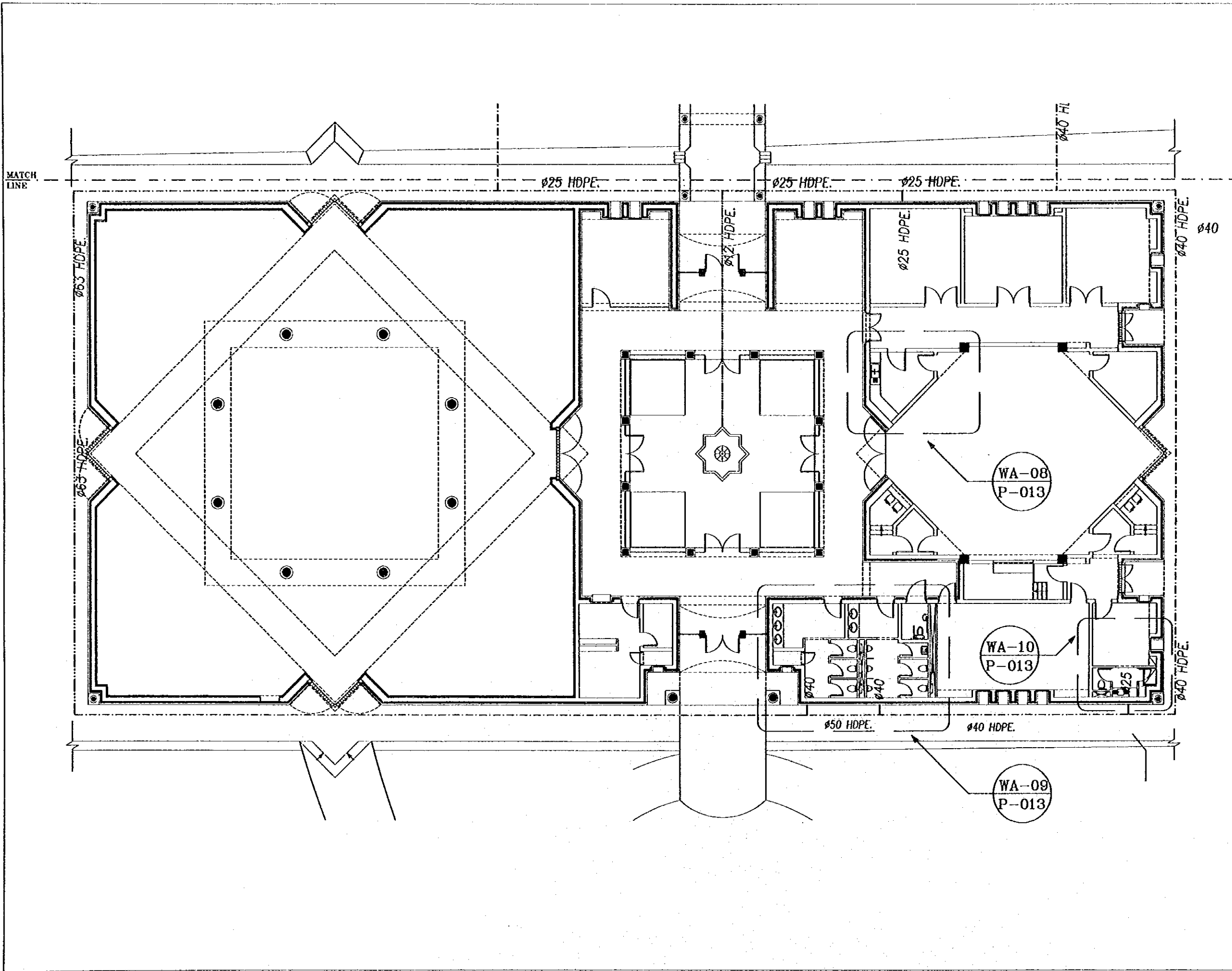
Designed by:
 Japan International Cooperation
 Agency (JICA)
 JICA Study Team:
 Joint Venture of
 Pacific Consultants International and
 Yamashita Sekkel Inc.

Subcontracted Local Consultant:

 consolidated consultants
 engineering & environment
 Tel: 0112377 - Fax: 0112300 - AMMAN - JORDAN

Date: June 2000

GROUND FLOOR
 WATER LAYOUT - 2
 Drawing Title:

Scale: 1/100
 Drawing No.: OSPC.P-006



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

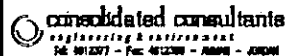
Executing Agency:
 The Ministry of Tourism and Antiquities
 The Ministry of Planning

SUB-PROJECT:
 Dead Sea Panoramic Complex

Note:
 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.

Designed by:
 Japan International Cooperation
 Agency (JICA)

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

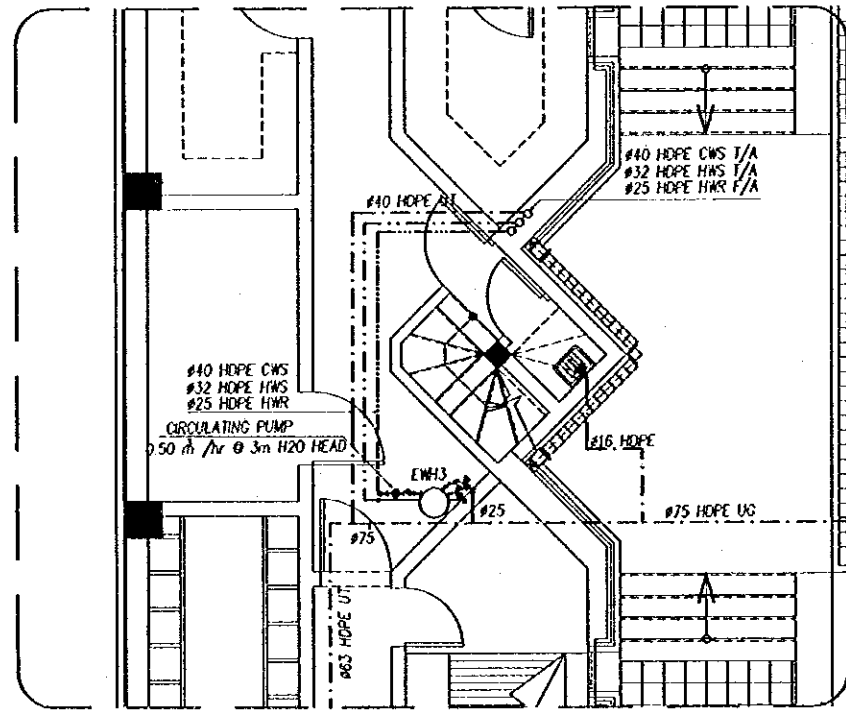
Subcontracted Local Consultant:

 consolidated consultants
 engineering & environment
 Tel: 0012077 - Fax: 0012000 - AMMAN - JORDAN

Date: June 2000

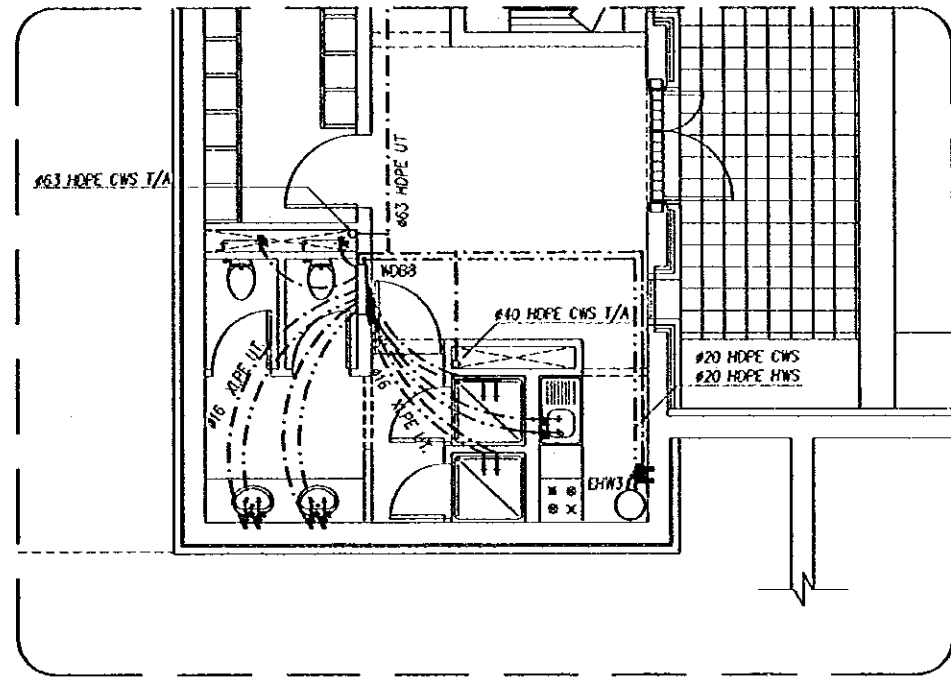
GROUND FLOOR
 WATER LAYOUT - 3

Drawing Title:

Scale: 1/100
 Drawing No.: DSPEC-P-007



WA-13
P-001



WA-14
P-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:
Dead Sea Panoramic Complex

Note:
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.

Designed by:
Japan International Cooperation
Agency (JICA)

JICA Study Team:
Joint Venture of
Pacific Consultants International and
Yamasita Sekkei Inc.

Subcontracted Local Consultant:
consolidated consultants
CONSULTING ENGINEERS
Tel: 9612377 - Fax: 9612370 - AMMAN - JORDAN

Date: June 2000

**BASEMENT WET AREA
DETAILS**

Drawing Title:

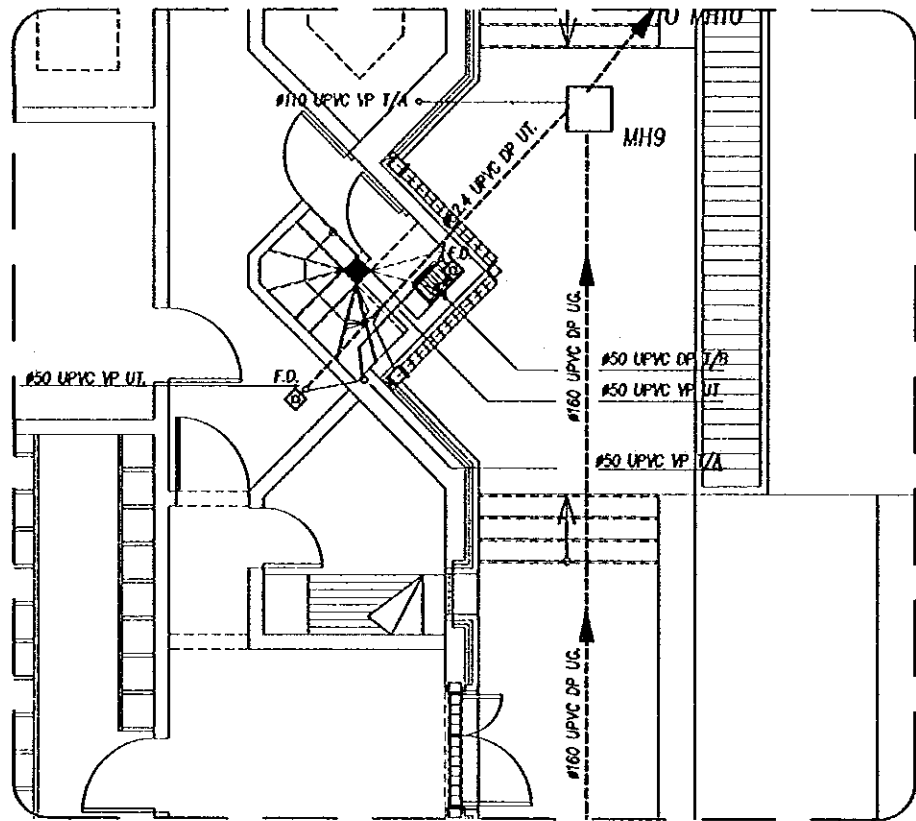
Scale: 1/50 Drawing No.: DSPC-P-008

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

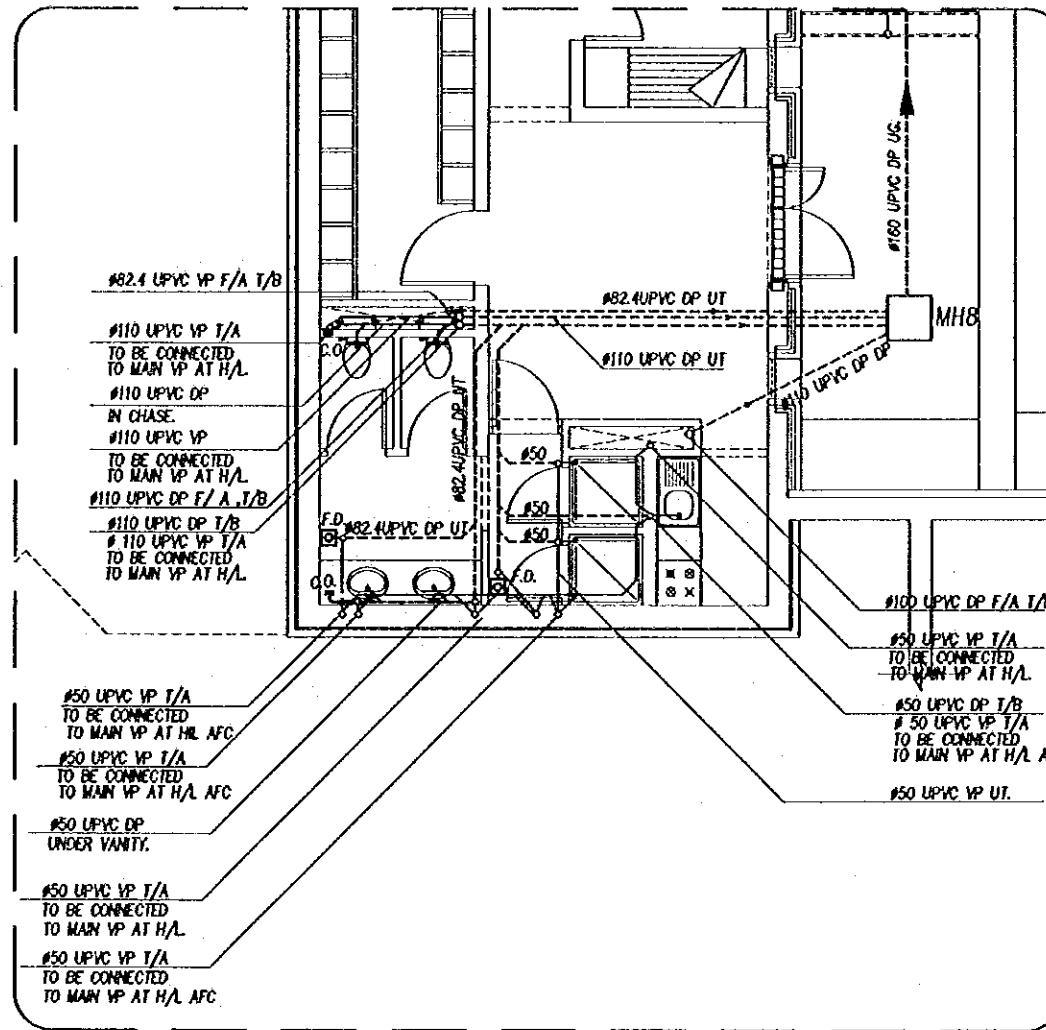
Executing Agency:
 The Ministry of Tourism and Antiquities
 The Ministry of Planning

SUB-PROJECT:
 Dead Sea Panoramic Complex

Note:
 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.



WA-11
 P-001



WA-12
 P001



Designed by:
 Japan International Cooperation
 Agency (JICA)

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

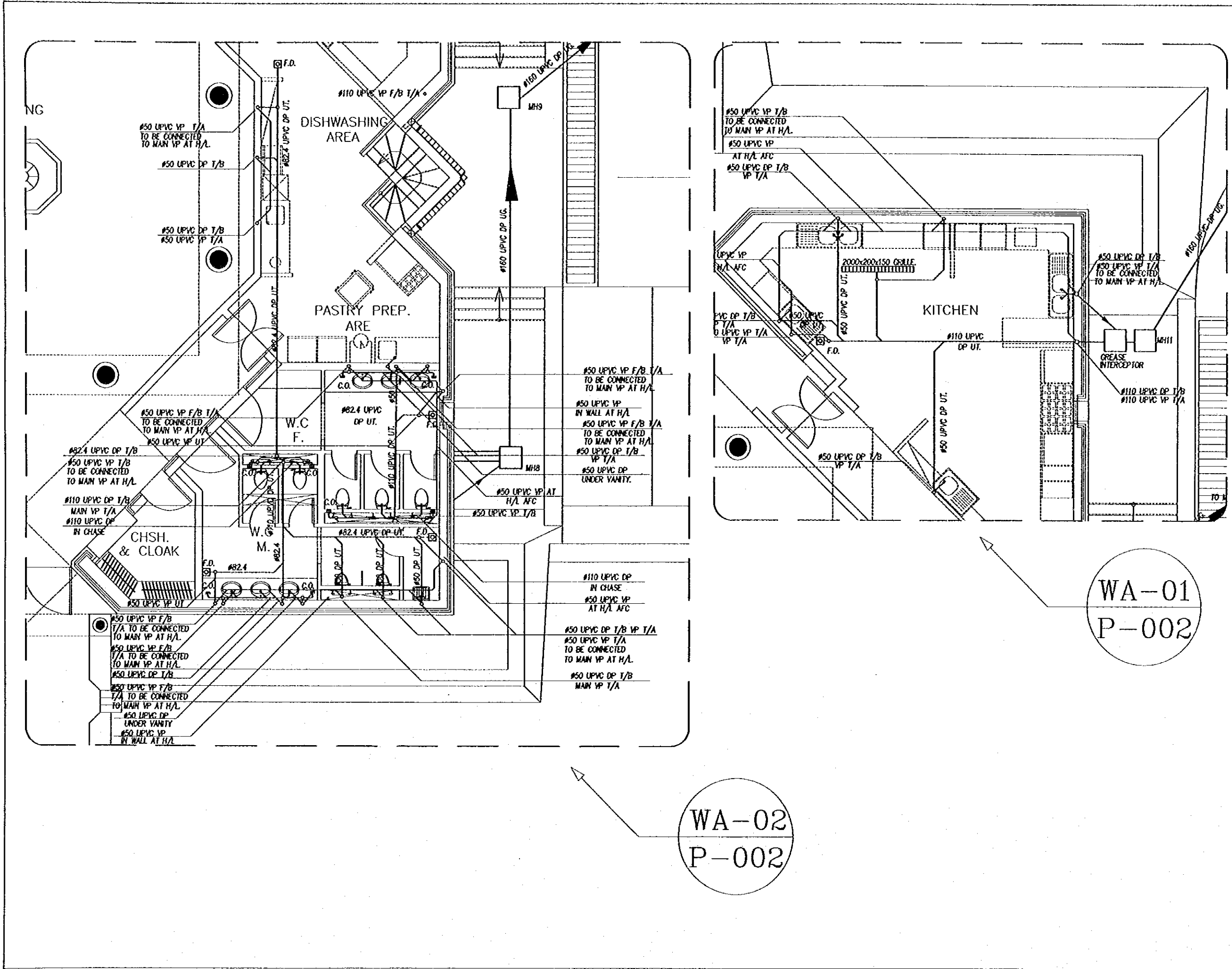
Subcontracted Local Consultant:
 consolidated consultants
 engineering & environment
 Tel: 011577 - Fax: 011578 - JORDAN - JORDAN

Date: June 2000

BASEMENT WET AREA
 DETAILS

Drawing Title:

Scale: 1/50
 Drawing No.: DSPEC-P-009



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:
Dead Sea Panoramic Complex

Note:
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.

NOTES:
1- ALL DIMENSIONS ARE IN mm

Designed by:
Japan International Cooperation
Agency (JICA)

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

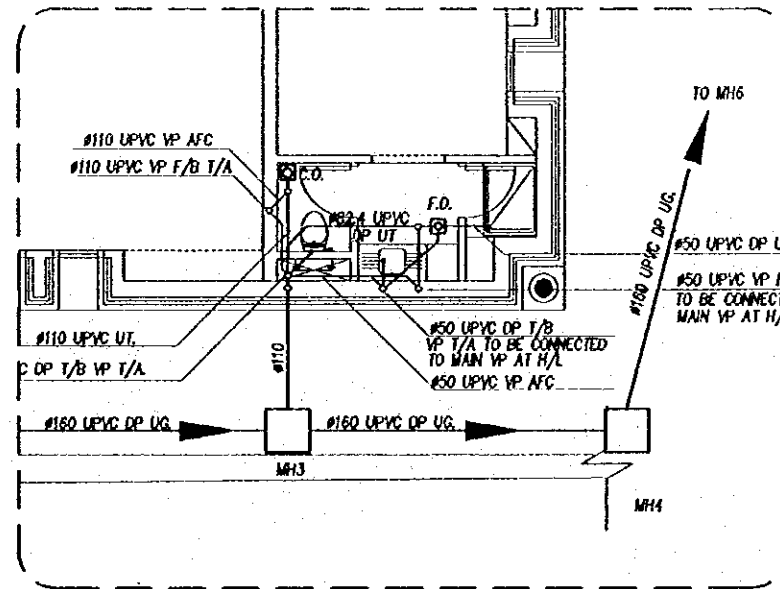
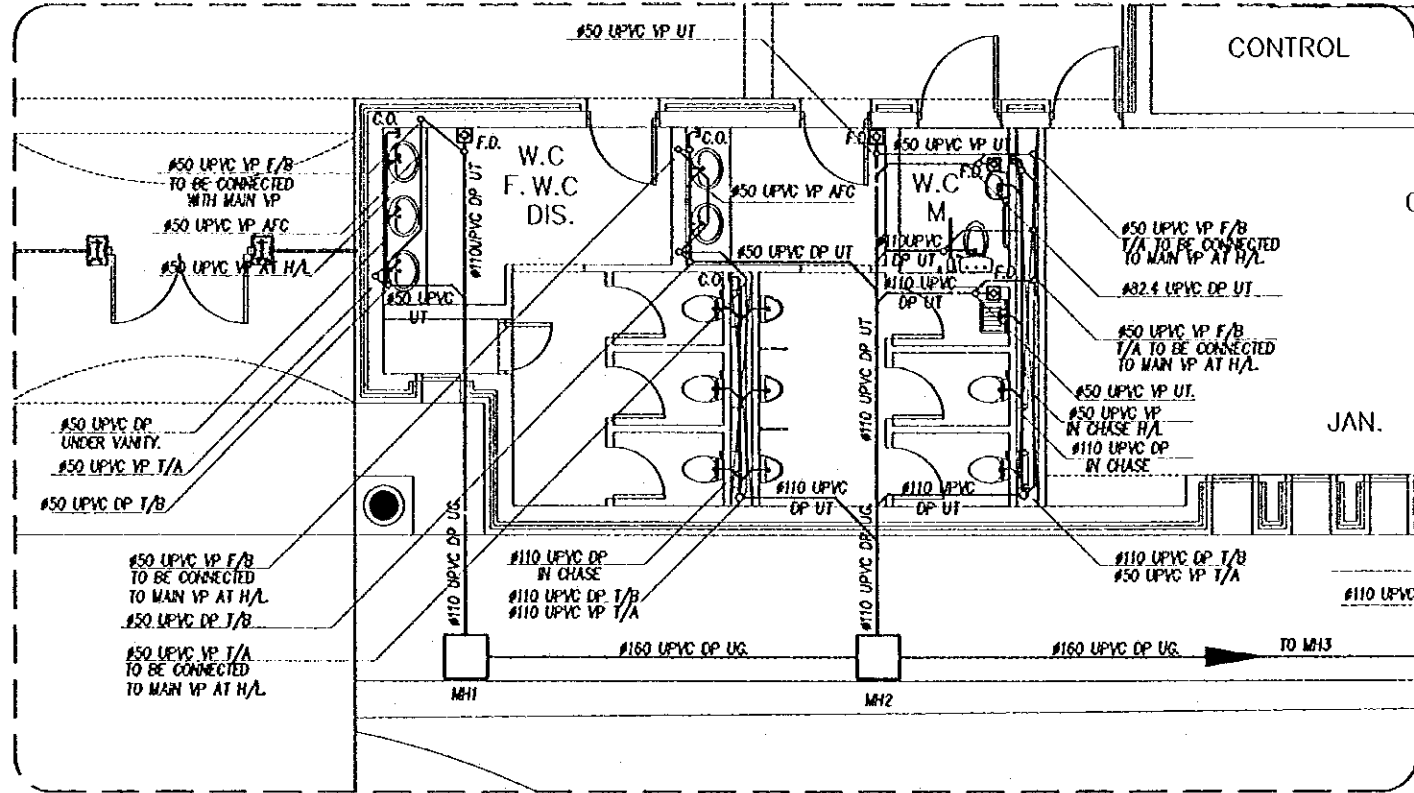
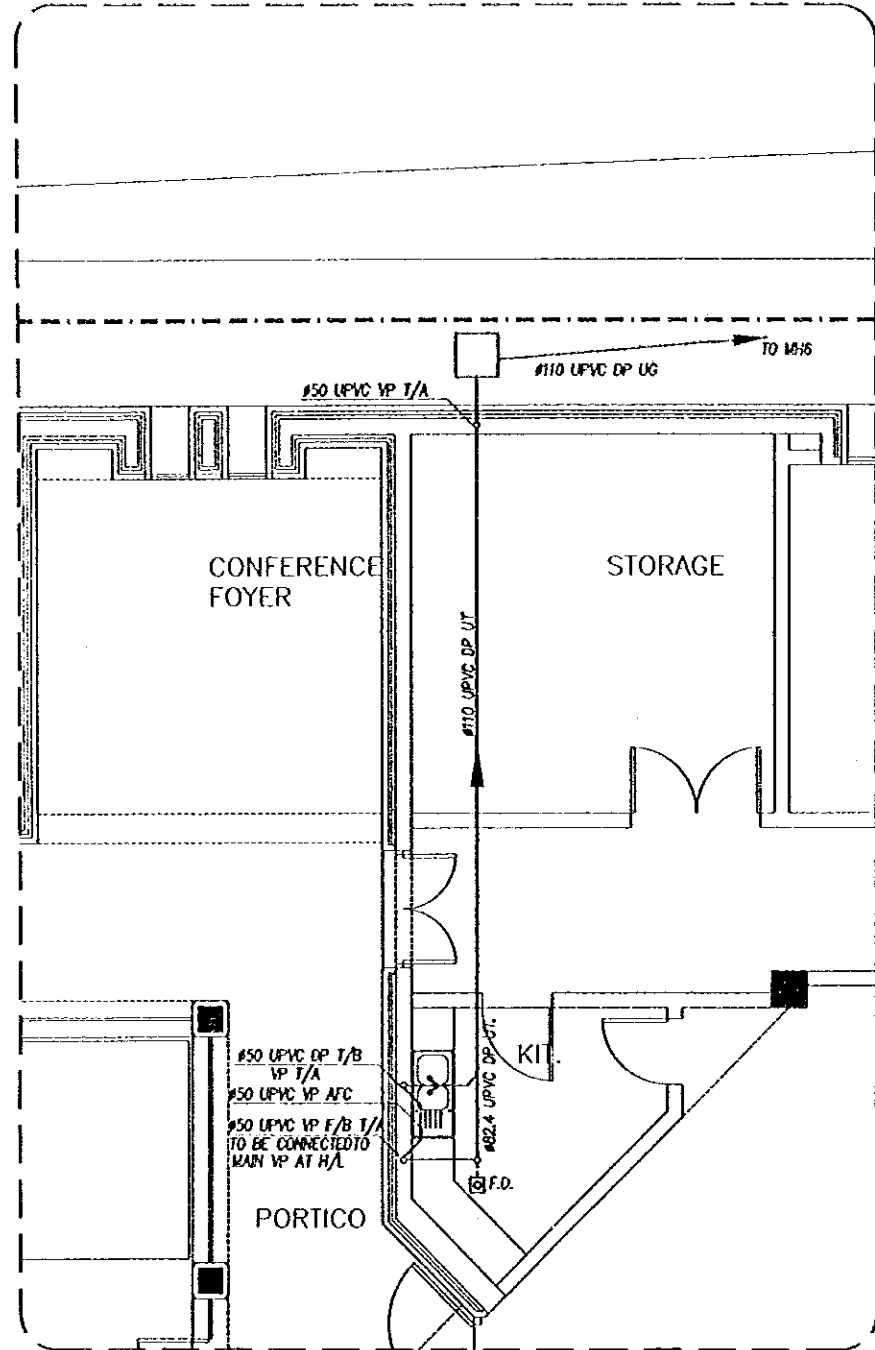
Subcontracted Local Consultant:
consolidated consultants
engineering & environment
Tel: 0095277 - Fax: 001200 - AMMAN - JORDAN

Date:	June	2000
--------------	------	------

**GROUND FLOOR
WET AREA DETAILS**

Drawing Title:

Scale: 1/50	Drawing No.: OSPC.P-010
-----------------------	-----------------------------------



WA-04
P-004

WA-03
P-004

WA-05
P-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:
Dead Sea Panoramic Complex

Note:
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.

NOTES:
1- ALL DIMENSIONS ARE IN mm



Designed by:
Japan International Cooperation
Agency (JICA)

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

Subcontracted Local Consultant:
consolidated consultants
engineering & environment
Tel: 9612371 - Fax: 9612368 - Amman - JORDAN

Date: June 2000

GROUND FLOOR
WET AREA DETAILS

Drawing Title:

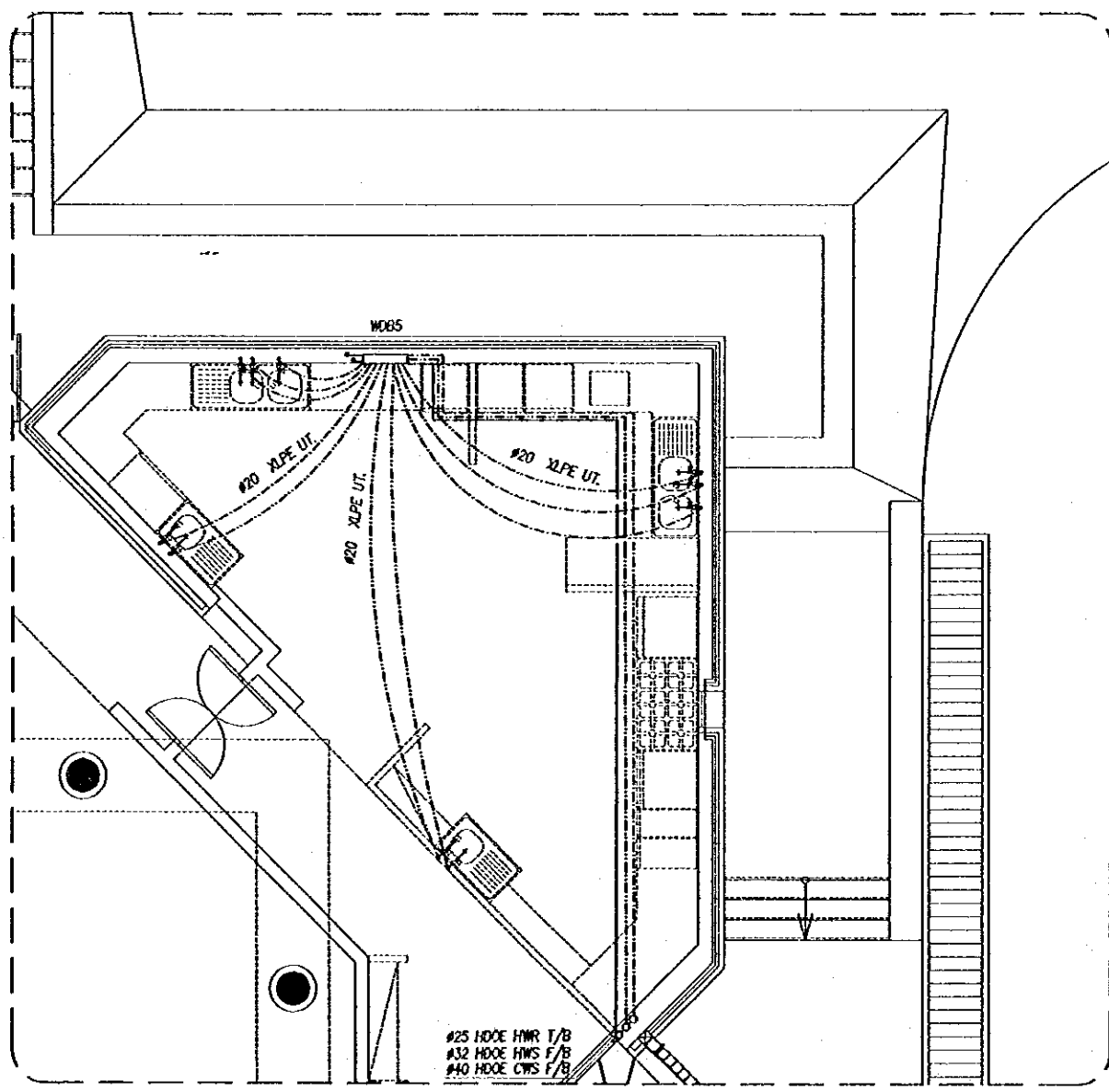
Scale: 1/50 Drawing No.: DSPC.P-011

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

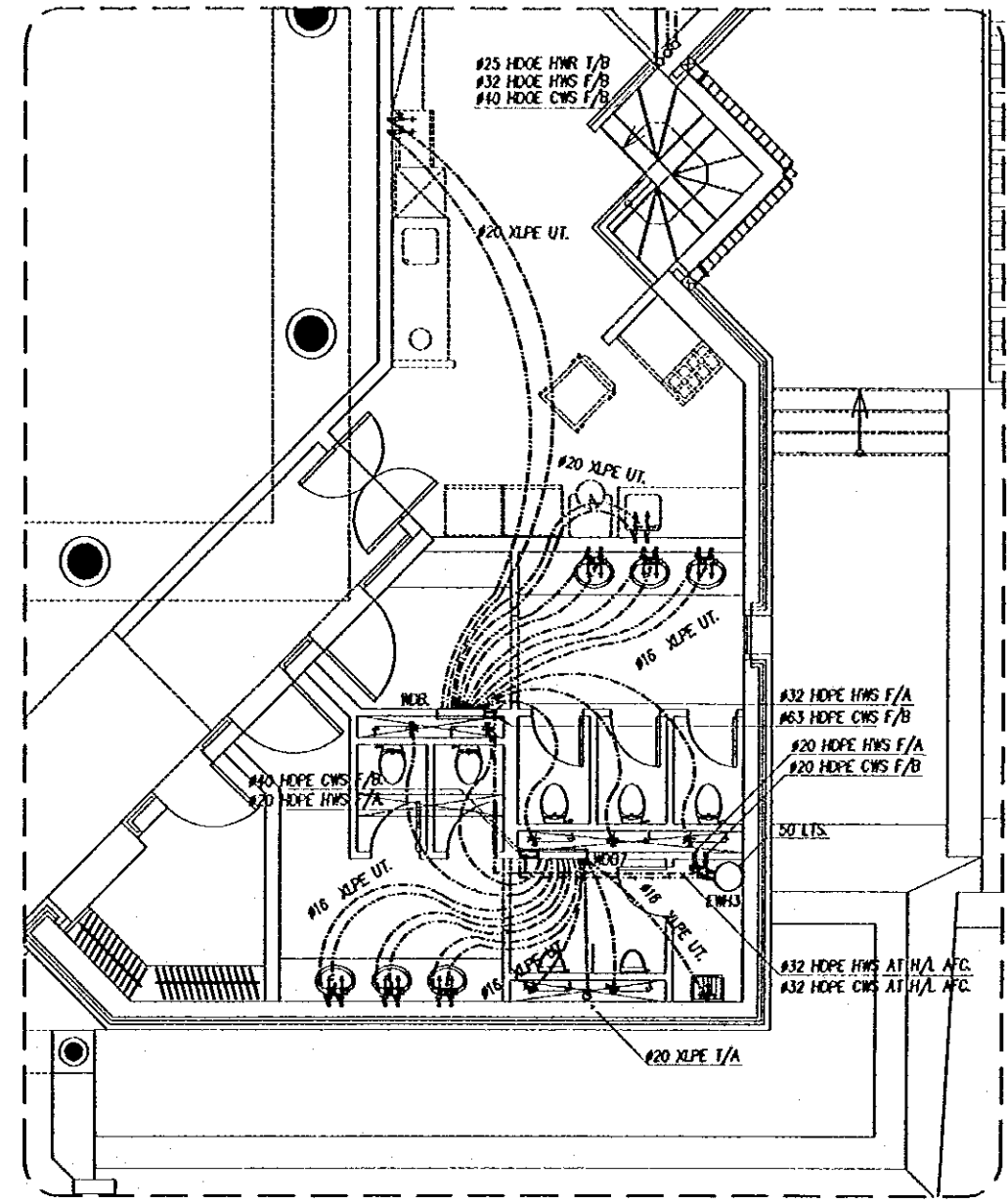
Executing Agency:
 The Ministry of Tourism and Antiquities
 The Ministry of Planning

SUB-PROJECT:
 Dead Sea Panoramic Complex

Note:
 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.



WA-06
 P-005



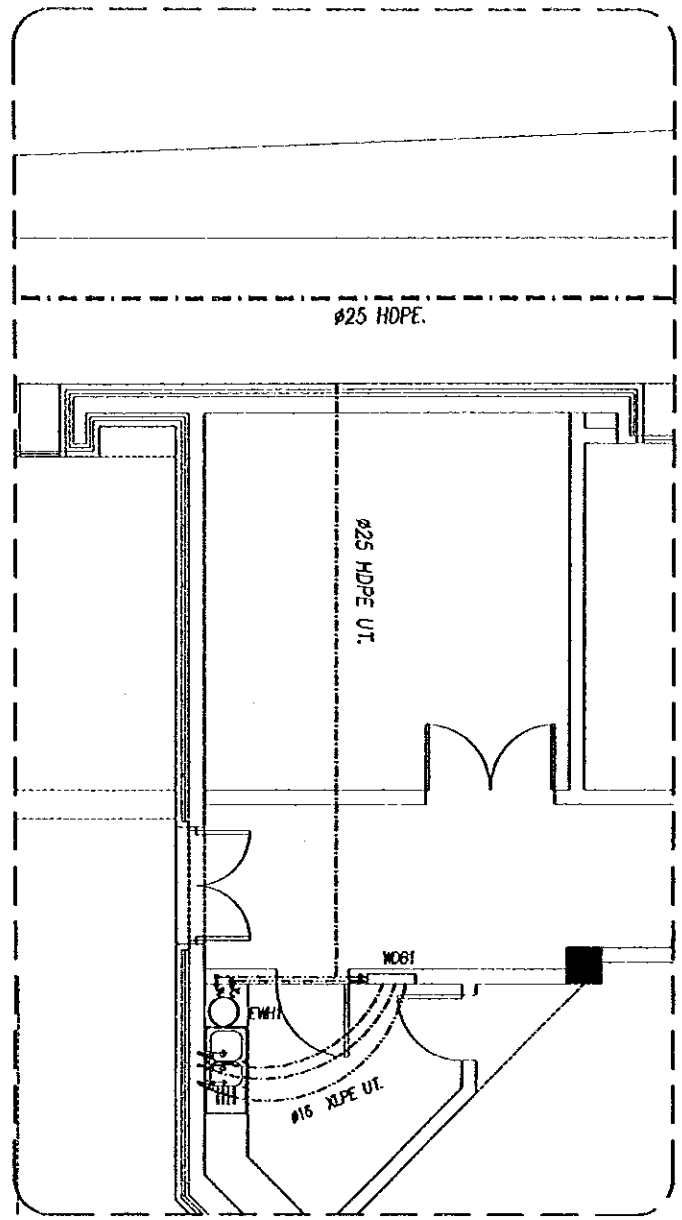
WA-07
 P-005

Designed by:
 Japan International Cooperation
 Agency (JICA)

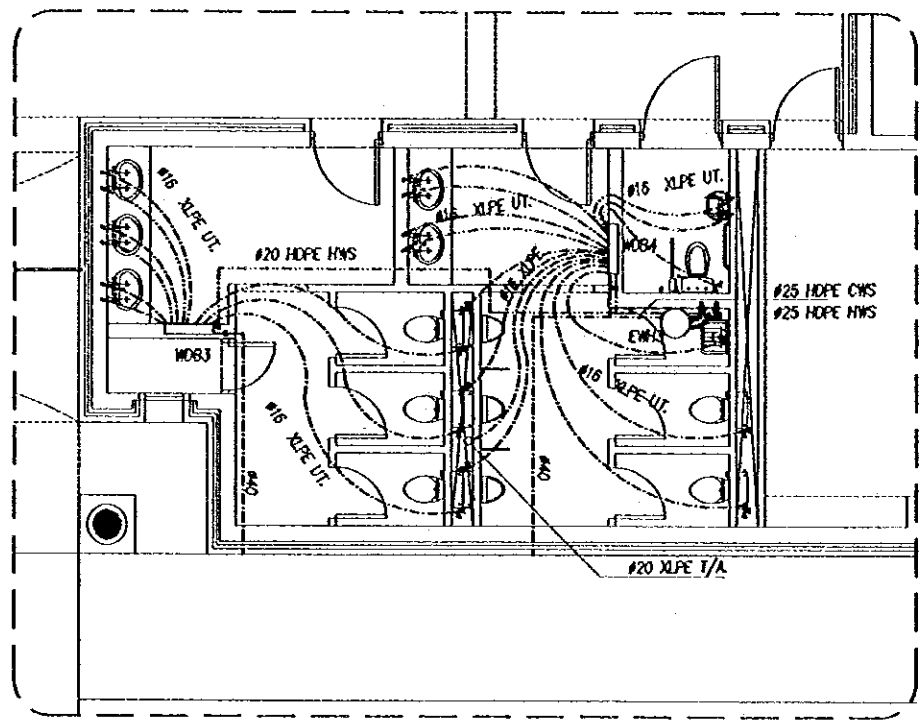
JICA Study Team:
 Joint Venture of
 Pacific Consultants International and
 Yamasita Sekkei Inc.

Subcontracted Local Consultant:
 consolidated consultants
 engineering & architecture
 TEL: 0112377 - FAX: 0112390 - AMMAN - JORDAN

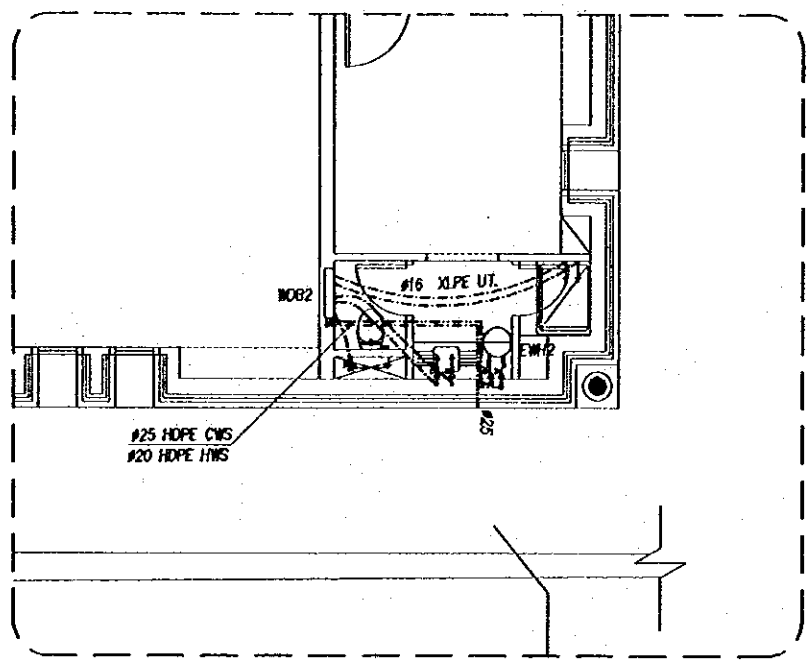
Date:	June	2000
GROUND FLOOR WET AREA DETAILS		
Drawing Title:		
Scale:	Drawing No.:	
1/50	OSPC.P-12	



WA-08
P-007



WA-09
P-007



WA-10
P-007

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:
Dead Sea Panoramic Complex

Note:
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.



Designed by:
Japan International Cooperation
Agency (JICA)

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

Subcontracted Local Consultant:

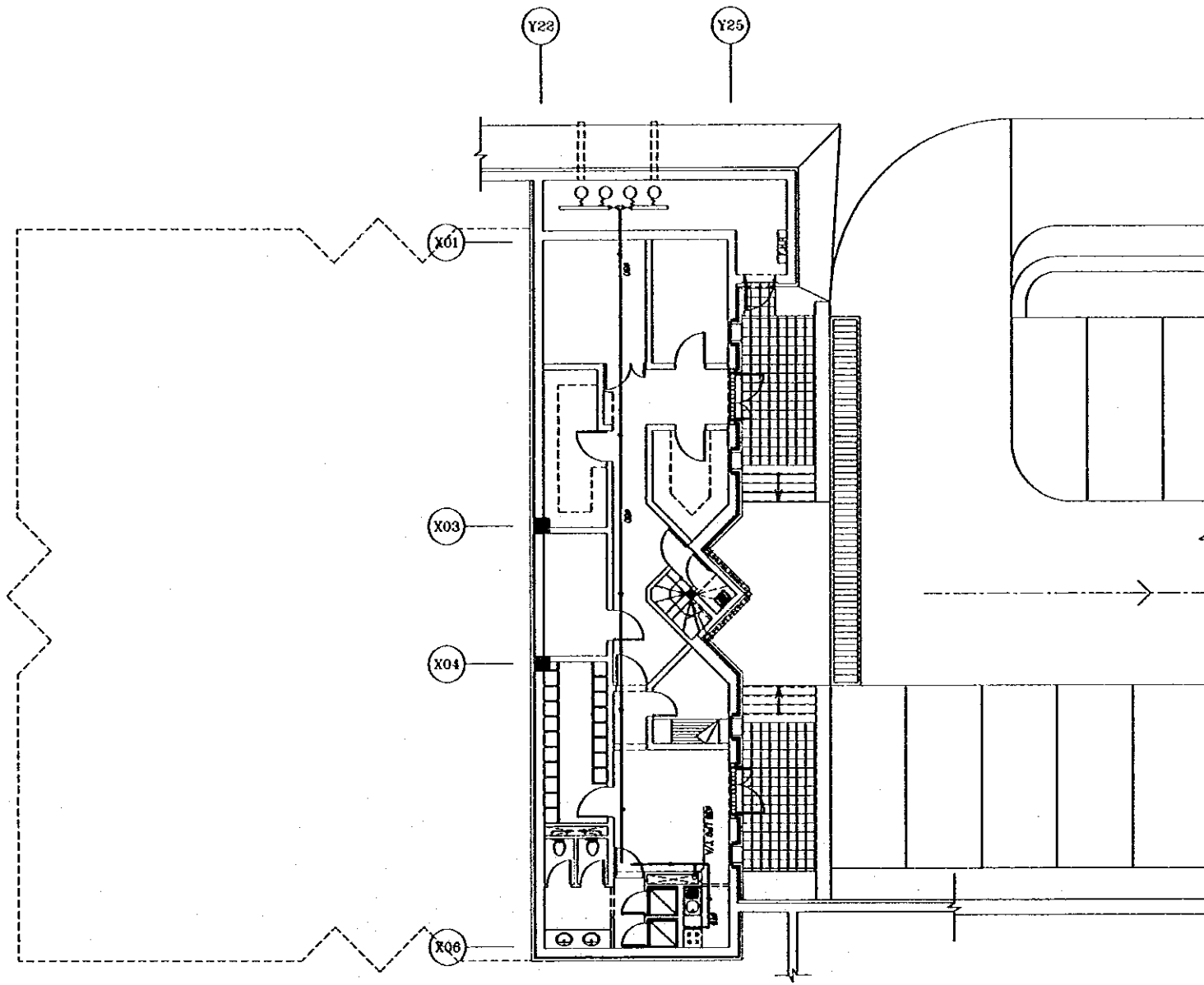
consolidated consultants
engineering & architecture
Tel: 0012377 - Fax: 0012378 - JORDAN

Date: June 2000

GROUND FLOOR
WET AREA DETAILS

Drawing Title:

Scale: 1/50
Drawing No.: DSPEC-P-13



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:
 Dead Sea Panoramic Complex

Note:
 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.

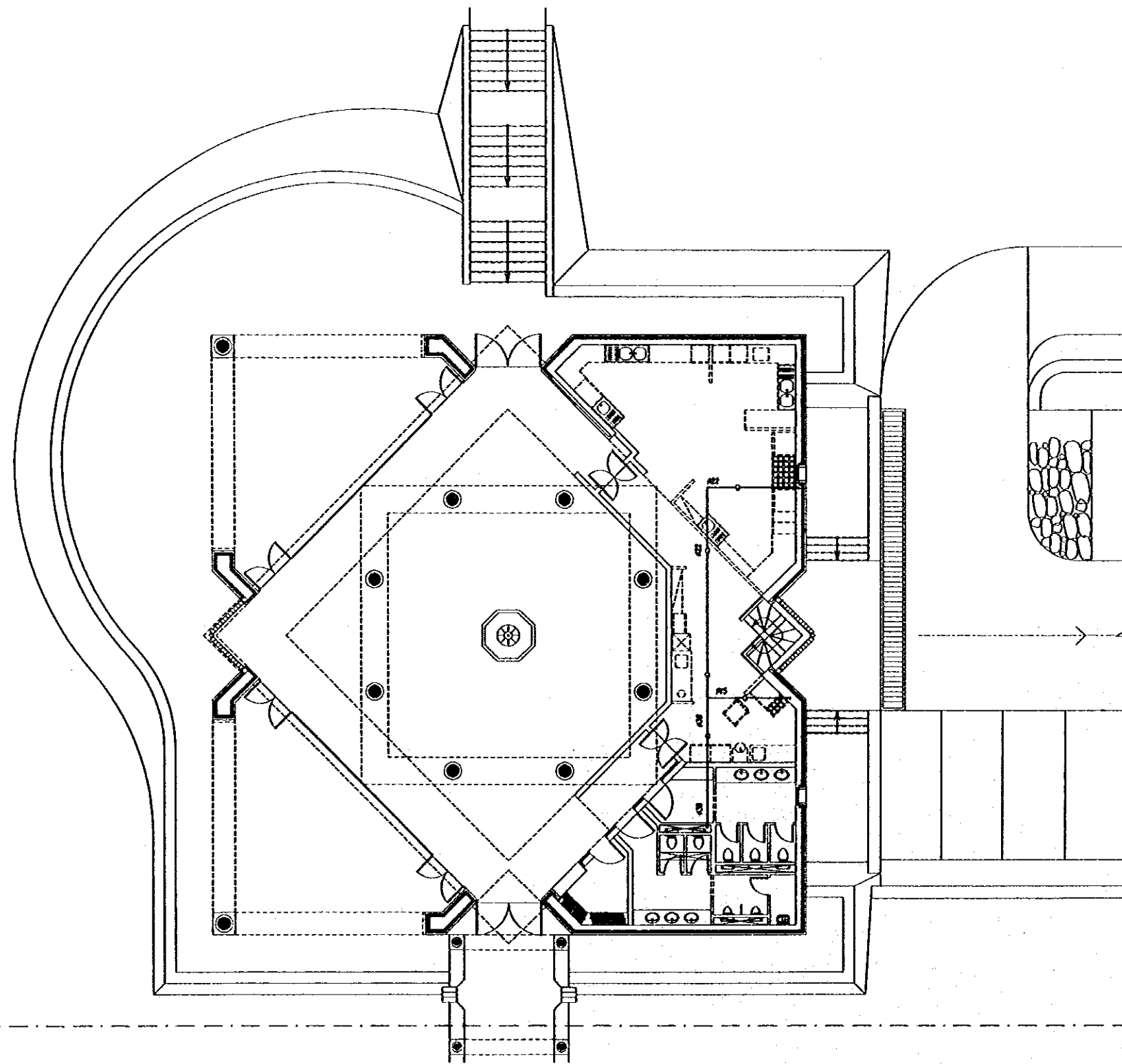


Designed by:
 Japan International Cooperation
 Agency (JICA)

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

Subcontracted Local Consultant:
 **consolidated consultants**
INCORPORATED IN JAPAN
TEL: 03-2357-1111 - FAX: 03-2357-1111 - JAPAN

Date:	June	2000
BASEMENT FLOOR PLAN LPG LAYOUT		
Drawing Title:		
Scale:	1/100	Drawing No.: DSPP-P-014



MATCH
LINE

MATCH
LINE

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:
Dead Sea Panoramic Complex

Note:
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.



Designed by:
Japan International Cooperation
Agency (JICA)

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

Subcontracted Local Consultant:

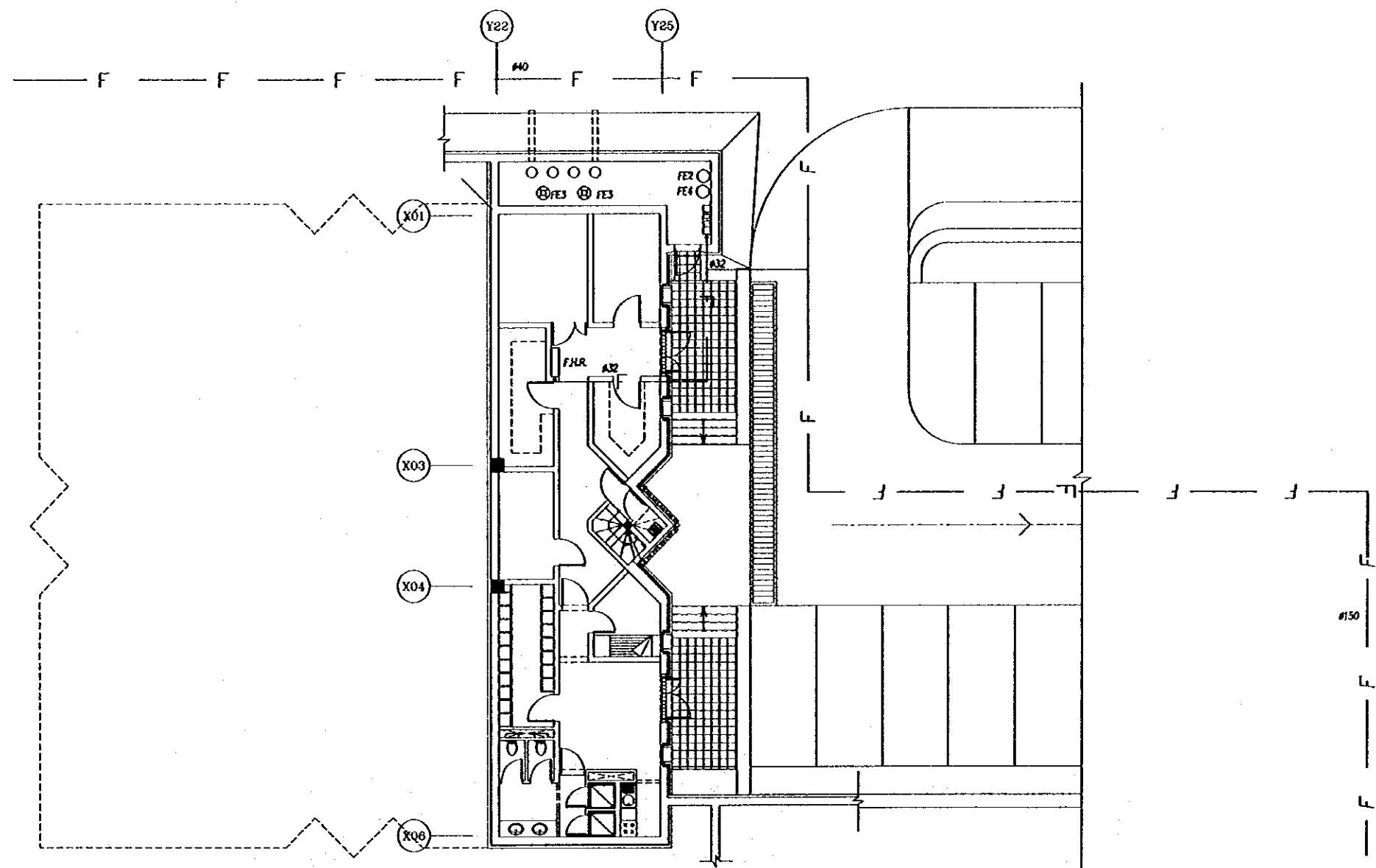
consolidated consultants
engineering & environment
Tel: 052277 - Fax: 052280 - Amman - Jordan

Date: June 2000

**GROUND FLOOR PLAN
LPG LAYOUT**

Drawing Title:

Scale: 1/100
Drawing No.: DSPP.P-015



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:
 Dead Sea Panoramic Complex

Note:
 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.



Designed by:
 Japan International Cooperation
 Agency (JICA)

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

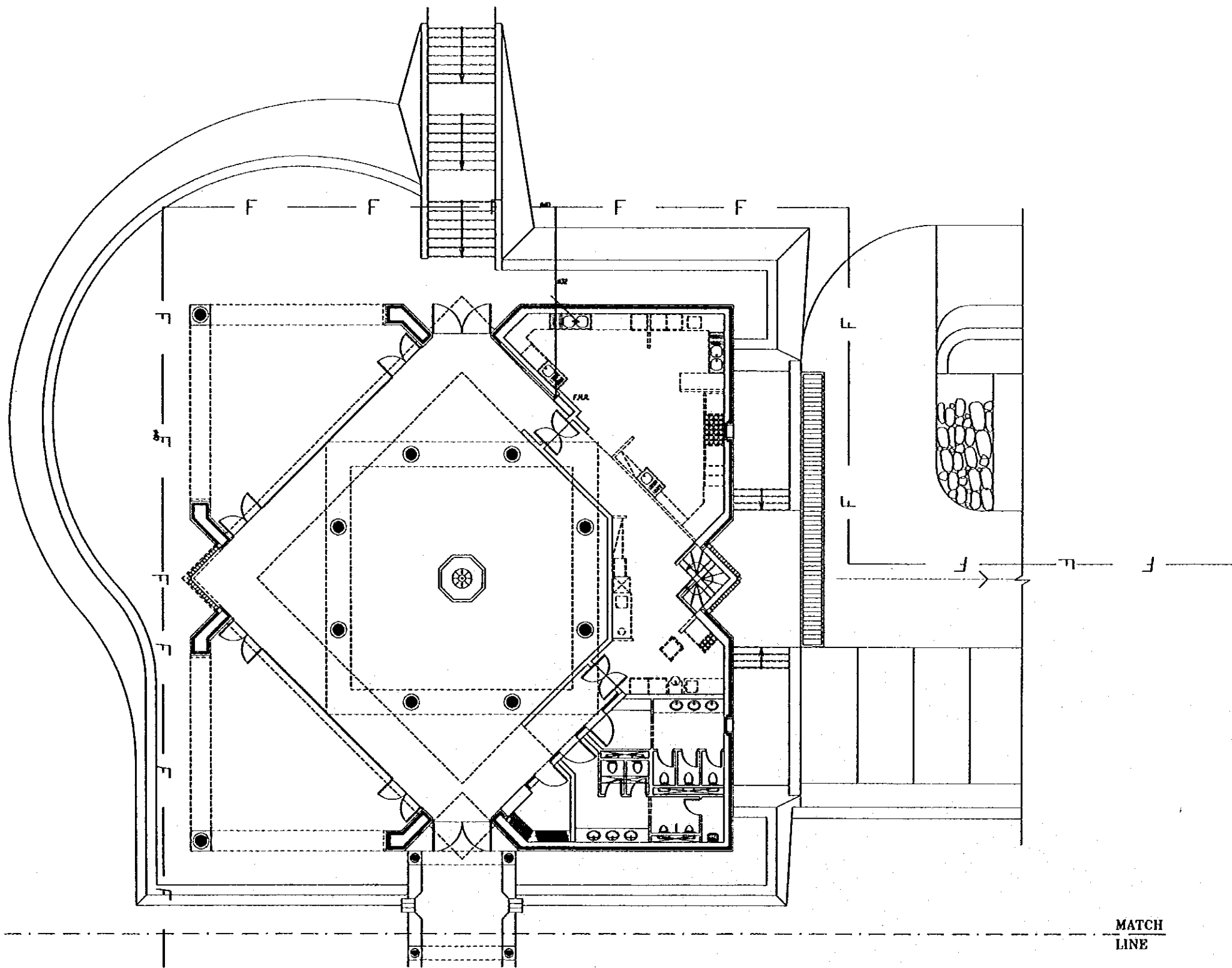
Subcontracted Local Consultant:


Date: June 2000

BASEMENT FLOOR
 FIRE PROTECTION LAYOUT

Drawing Title:

Scale: 1/100
 Drawing No.: DSPEC-P-016



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:
 Dead Sea Panoramic Complex

Note:
 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.



Designed by:
 Japan International Cooperation
 Agency (JICA)

JICA Study Team:
 Joint Venture of
 Pacific Consultants International and
 Yamasita Sekkei Inc.

Subcontracted Local Consultant:


Date: June 2000

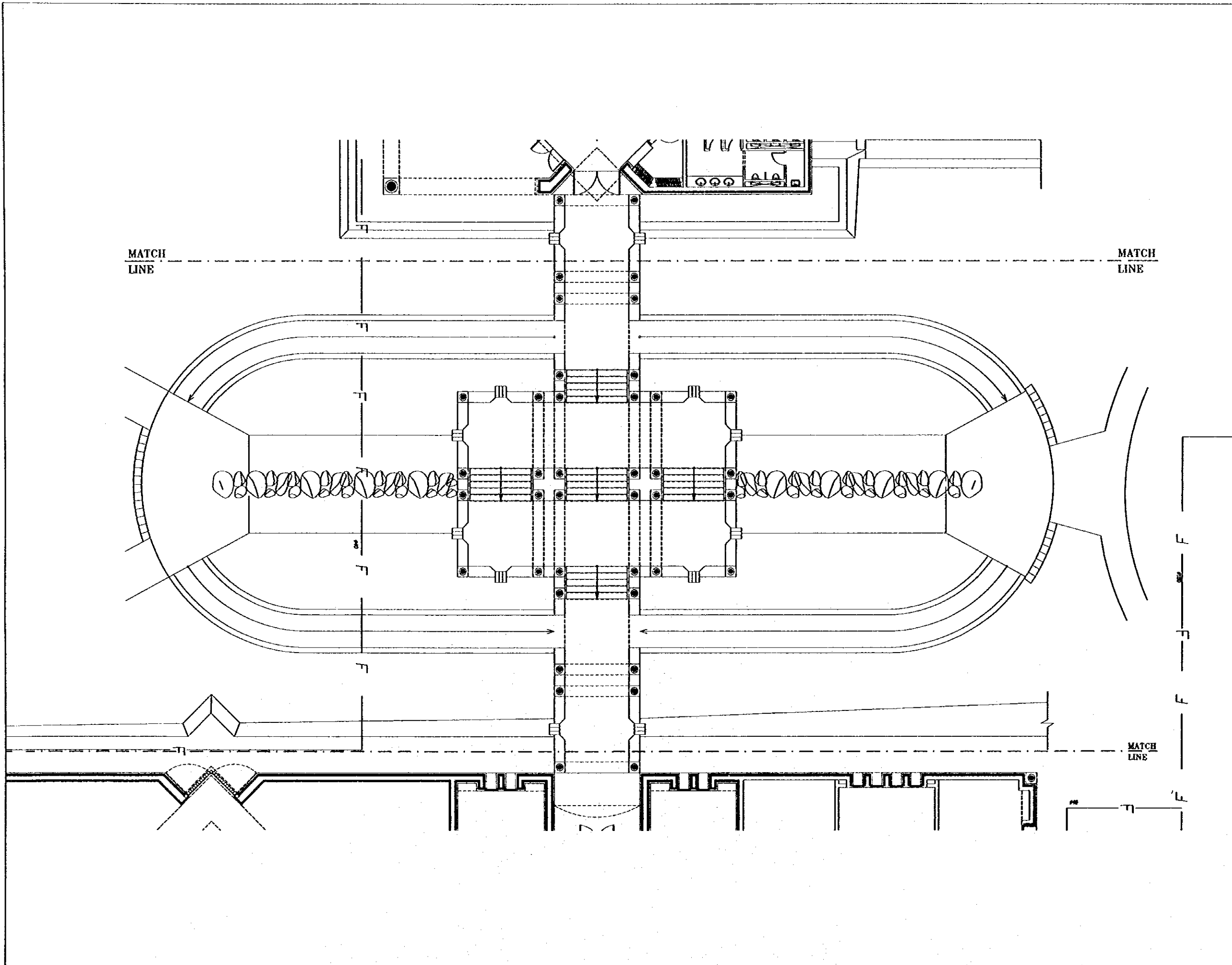
GROUND FLOOR
 FIRE PROTECTION LAYOUT



Drawing Title:

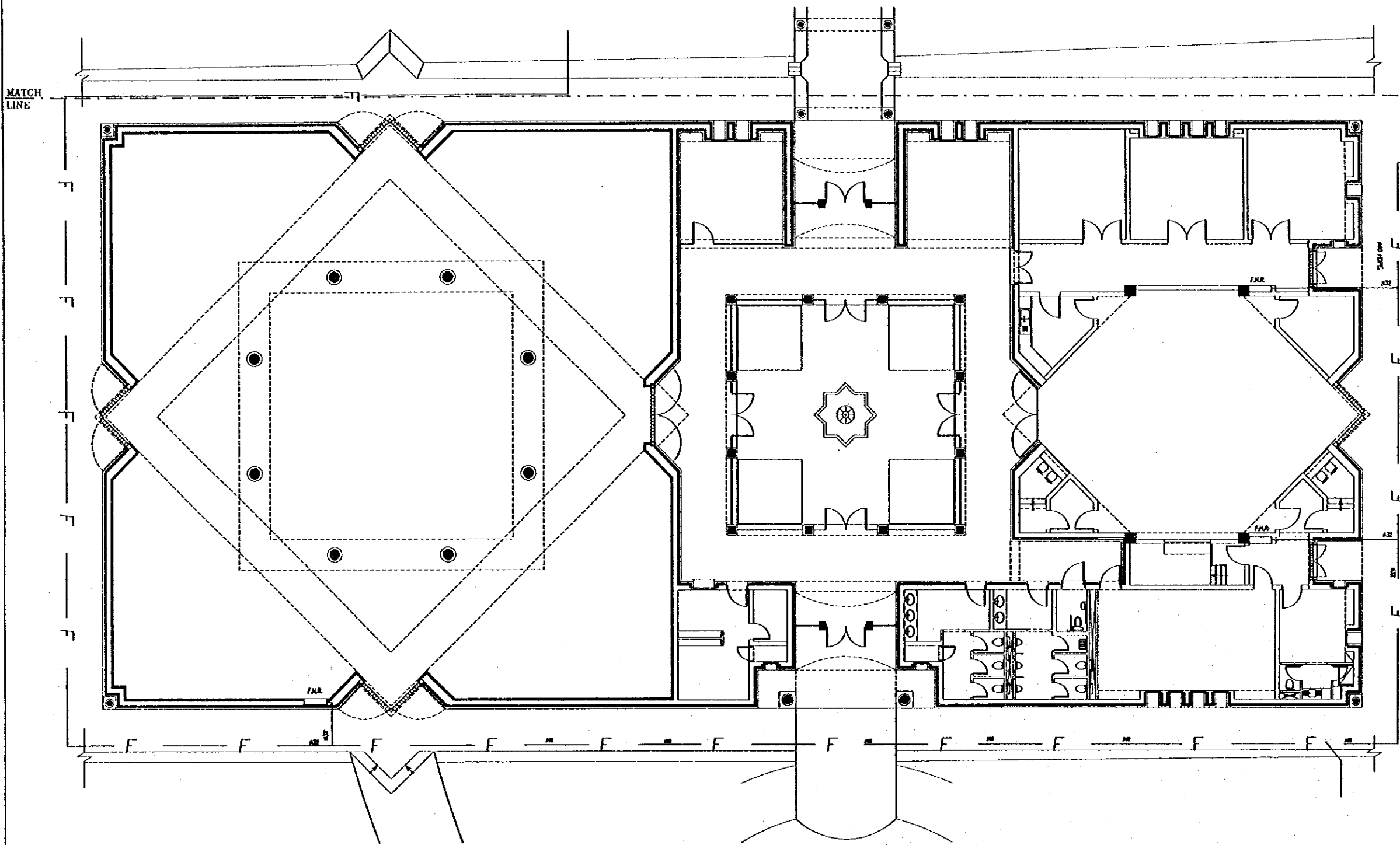
Scale: 1/100
 Drawing No.: DSPC-P-017

MATCH
 LINE

MATCH
 LINE



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: Dead Sea Panoramic Complex		
Note: 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.		
		
Designed by: Japan International Cooperation Agency (JICA)		
JICA Study Team: Joint Venture of Pacific Consultants International and Yamashita Sekkei Inc.		
Subcontracted Local Consultant:  consolidated consultants engineering & environment No. 911237 - Fax 911238 - AMM - JMM		
Date:	June	2000
GROUND FLOOR FIRE PROTECTION LAYOUT		
Drawing Title:		
Scale:	1/100	Drawing No.: DSPEC-P-018



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:
 Dead Sea Panoramic Complex

Note:
 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.



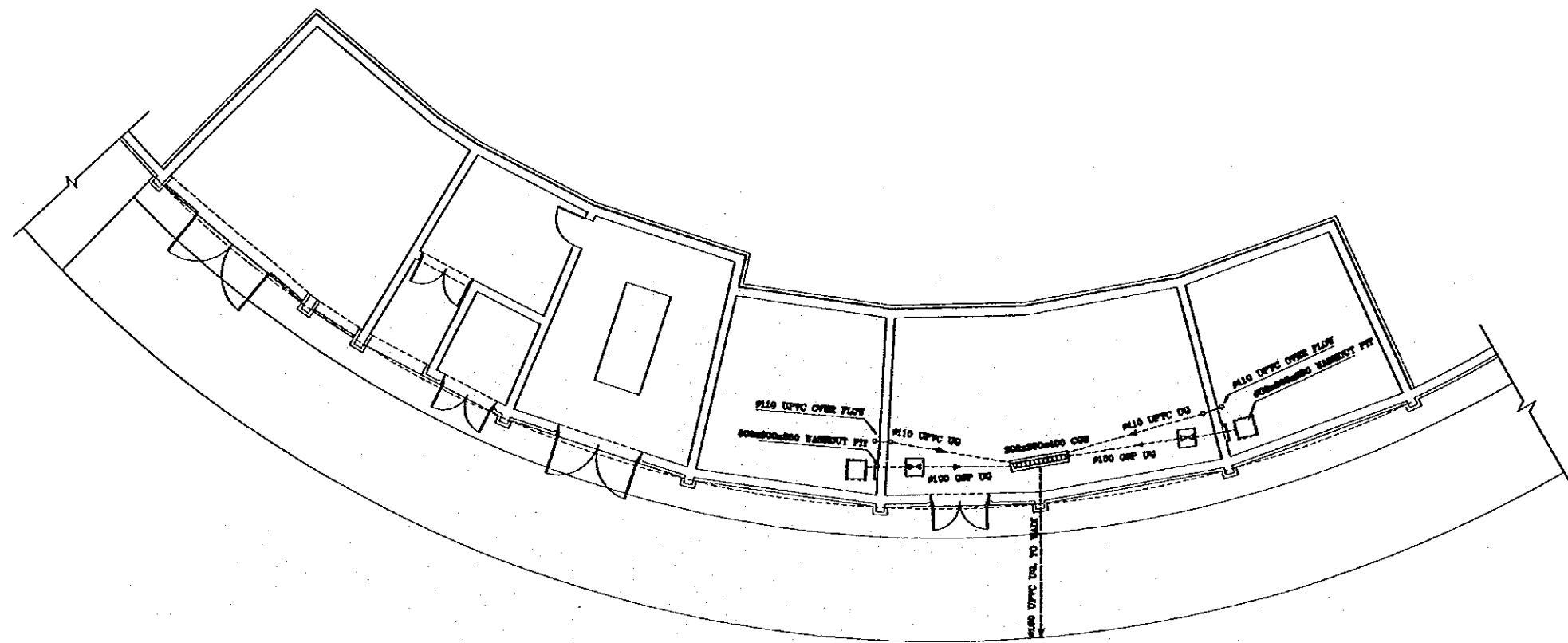
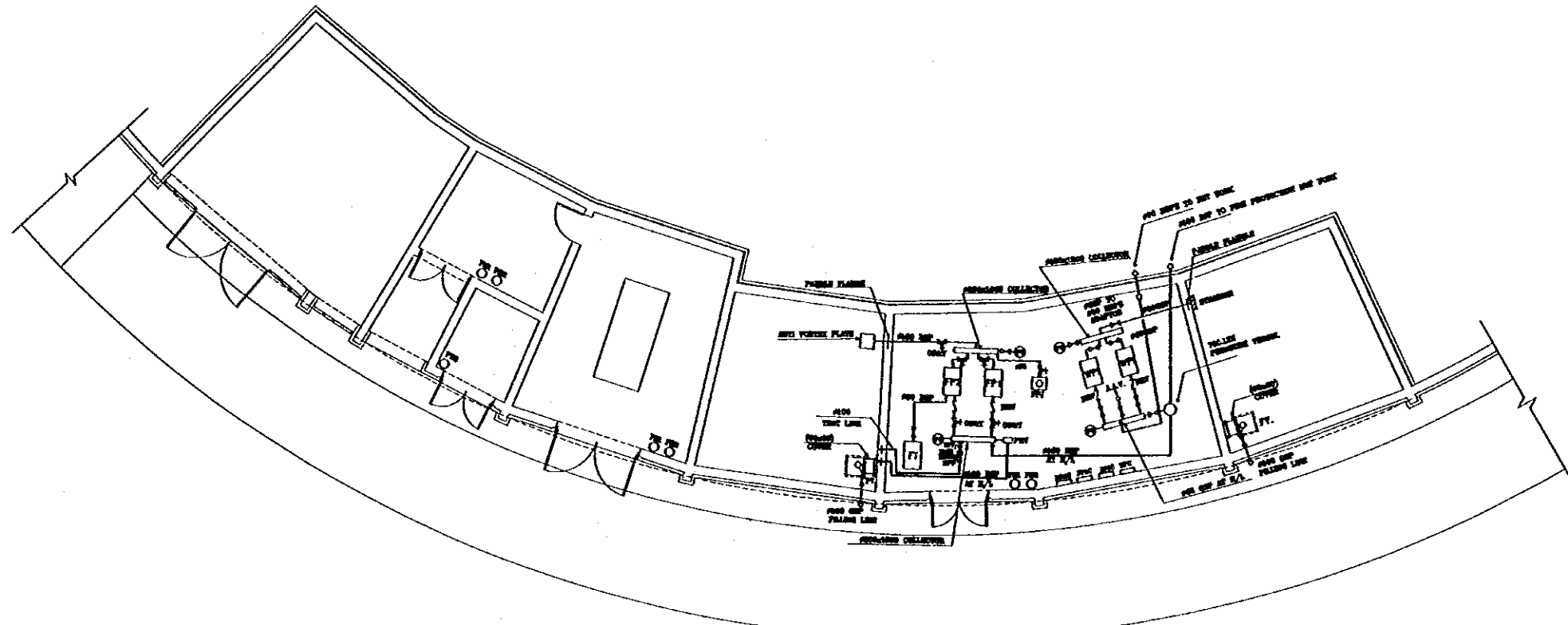
Designed by:
 Japan International Cooperation
 Agency (JICA)

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

Subcontracted Local Consultant:

 consolidated consultants
 engineering & environment
 Tel: 0112277 - Fax: 0112288 - Amman - Jordan

Date:	June	2000
GROUND FLOOR FIRE PROTECTION LAYOUT		
Drawing Title:		
Scale:	Drawing No.:	DSPC-P-019
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:
 Dead Sea Panoramic Complex

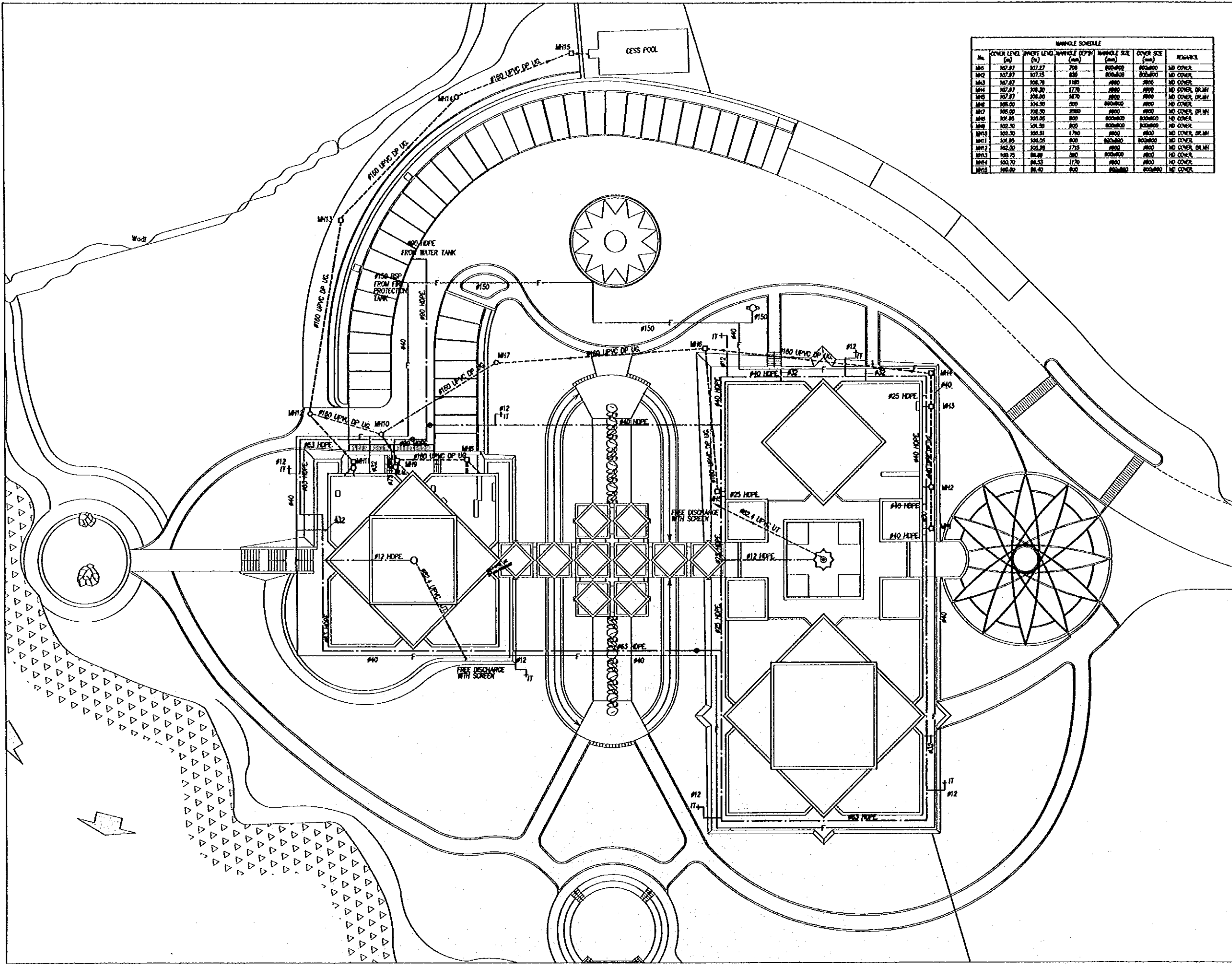
Note:
 This detailed design has been executed by
 a team of consultants as shown below in
 accordance with the agreement between
 Japan International Cooperation Agency
 (JICA) and JICA Study Team.
 The copyright of this drawing rests with JICA.

Designed by:
 Japan International Cooperation
 Agency (JICA)

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

Subcontracted Local Consultant:
 **consolidated consultants**
 engineering & environment
 Tel: 9633377 - Fax: 9633388 - Amman - Jordan

Date:	June	2000
WATER TANKS AND PUMP HOUSE MECHANICAL WORKS		
Drawing Title:		
Scale:	Drawing No.:	
1/100	OSPC.P-020	



MANHOLE SCHEDULE						
No.	COVER LEVEL (m)	INVERT LEVEL (m)	MANHOLE DEPTH (m)	MANHOLE SIZE (mm)	COVER SIZE (mm)	REMARKS
MH1	107.87	107.27	0.60	800x800	800x800	NO COVER
MH2	107.87	107.25	0.62	800x800	800x800	NO COVER
MH3	107.87	106.70	1.17	800	800	NO COVER
MH4	107.87	106.20	1.67	800	800	NO COVER, DR.MH
MH5	107.87	106.00	1.87	800	800	NO COVER, DR.MH
MH6	106.50	104.50	2.00	800x800	800	NO COVER
MH7	106.00	102.50	3.50	800	800	NO COVER, DR.MH
MH8	101.85	101.05	0.80	800x800	800x800	NO COVER
MH9	102.70	101.50	1.20	800x800	800x800	NO COVER
MH10	102.30	101.50	0.80	800	800	NO COVER, DR.MH
MH11	101.85	101.25	0.60	800x800	800x800	NO COVER
MH12	102.00	101.20	0.80	800	800	NO COVER, DR.MH
MH13	103.70	101.00	2.70	800x800	800	NO COVER
MH14	103.70	101.50	2.20	800	800	NO COVER
MH15	105.00	101.50	3.50	800x800	800x800	NO COVER

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:
Dead Sea Panoramic Complex

Note:
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.

Designed by:
Japan International Cooperation
Agency (JICA)

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

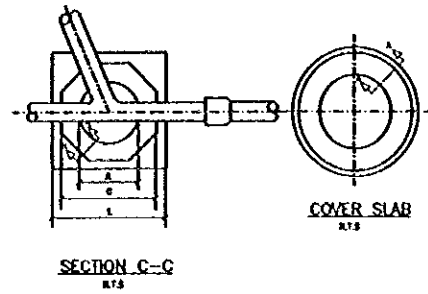
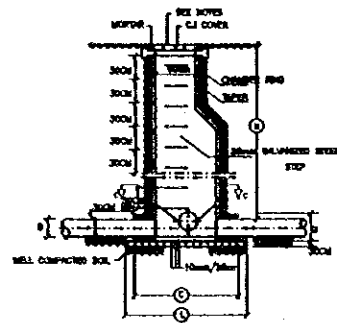
Subcontracted Local Consultant:
consolidated consultants
Engineering & Environment
Tel: 0025277 - Fax: 0025266 - JORDAN - AMMAN

Date: June 2000

SITE PLAN
MECHANICAL WORKS

Drawing Title:

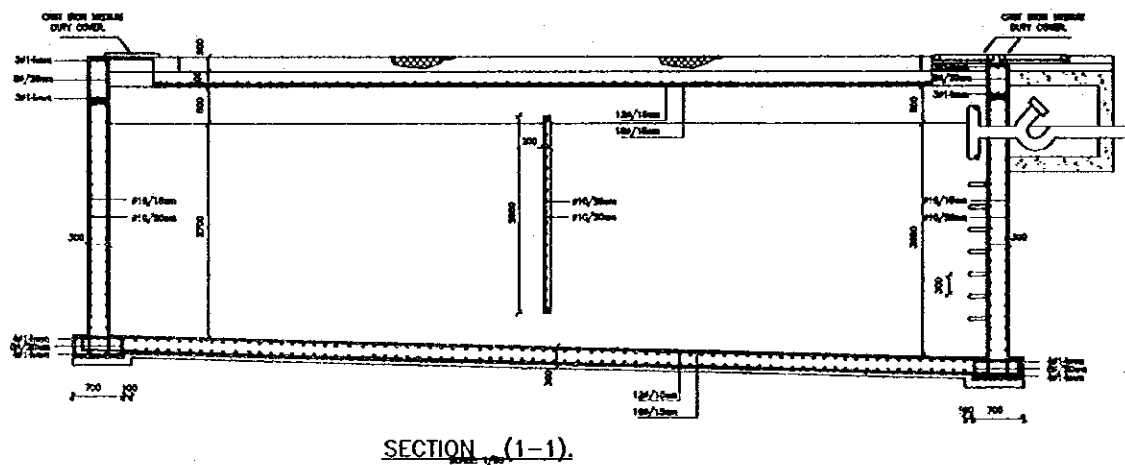
Scale: 1/250 Drawing No.: DSPC-P-022



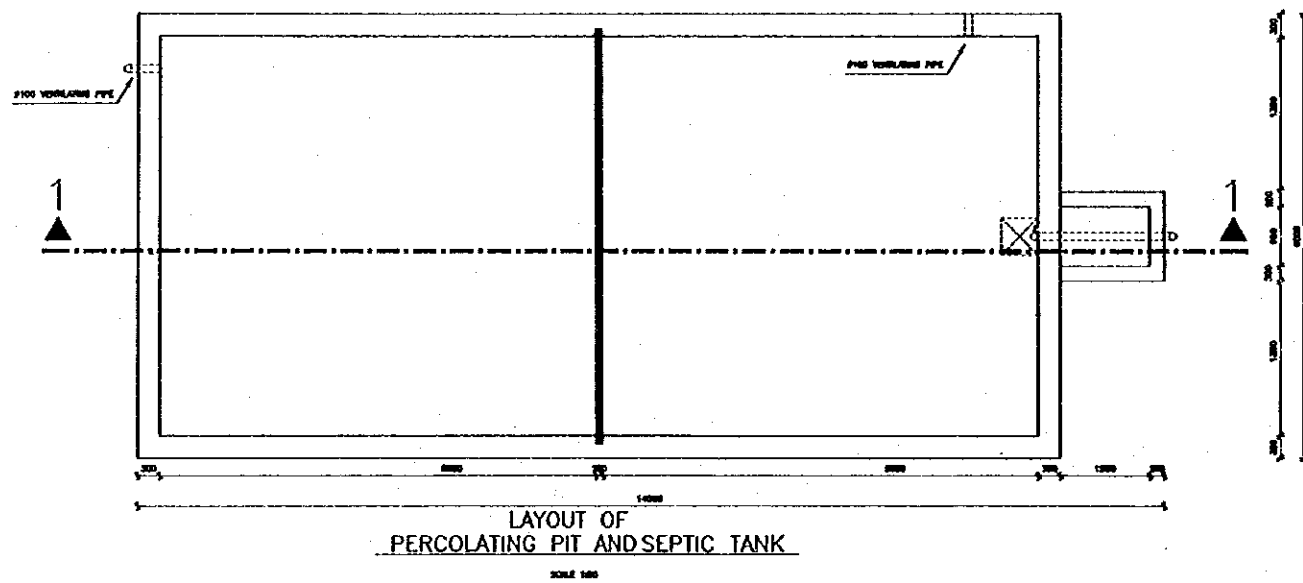
NOTES:
 1- MANHOLE COVER SLAB SHOULD BE CONCRETE WITH DE FINISH AS SHOWN
 2- ALL PARTS UNDER THESE MANHOLES COVER SHOULD BE REINFORCED

MANHOLE TYPE	D0 (m)	D1 (m)	D2 (m)	D3 (m)	DEPTH (m)	NO. OF BRICKS
1	1.20	0.80	1.10	1.30	1.50	300
2	1.20	0.80	1.00	1.20	1.50	200
3	1.20	1.00	1.20	1.40	1.50	200

SEWAGE MANHOLE DETAIL

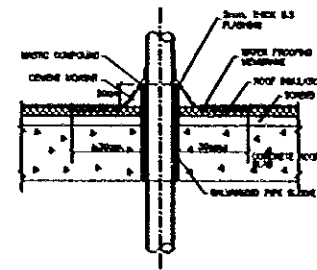


SECTION (1-1)

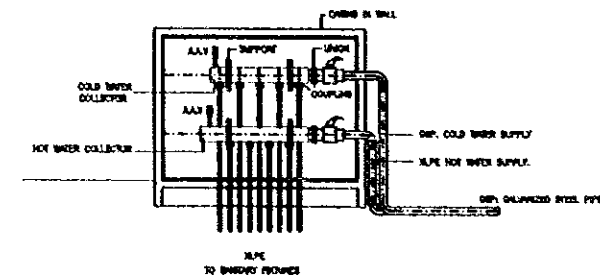


LAYOUT OF PERCOLATING PIT AND SEPTIC TANK

SCALE 1:50

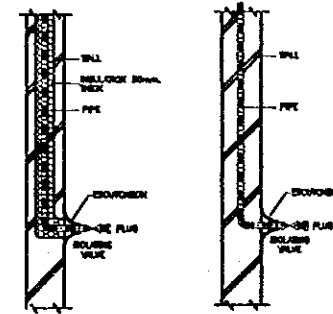


PIPE SLEEVE THROUGH ROOF



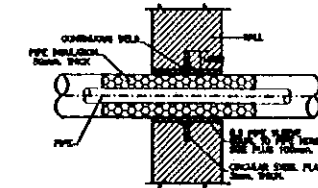
TYPICAL DETAIL OF WATER DISTRIBUTION BOX

SCALE 1:50



INSULATED PIPE NOT INSULATED PIPE

PIPE OUTLETS THROUGH WALL

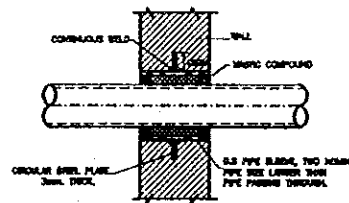


INSULATED PIPE SLEEVE THROUGH WALL

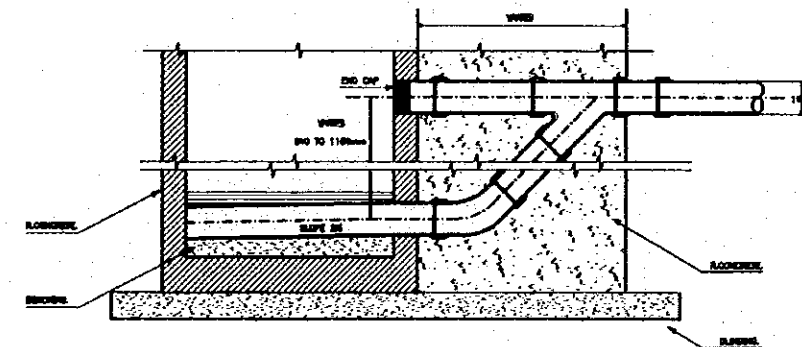


WATER METER DETAIL

SCALE 1:50



UNINSULATED PIPE SLEEVE THROUGH WALL



DROP MANHOLE DETAIL

SCALE 1:50

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:
 Dead Sea Panoramic Complex
 Note:
 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.

Designed by:
 Japan International Cooperation
 Agency (JICA)
 JICA Study Team:
 Joint Venture of
 Pacific Consultants International and
 Yamashita Sekkel Inc.
 Subcontracted Local Consultant:
 consolidated consultants
 engineering & environment
 Tel: 9623277 - Fax: 9623280 - JORDAN - AMMAN

Date: June 2000

PLUMBING DETAILS

Drawing Title:

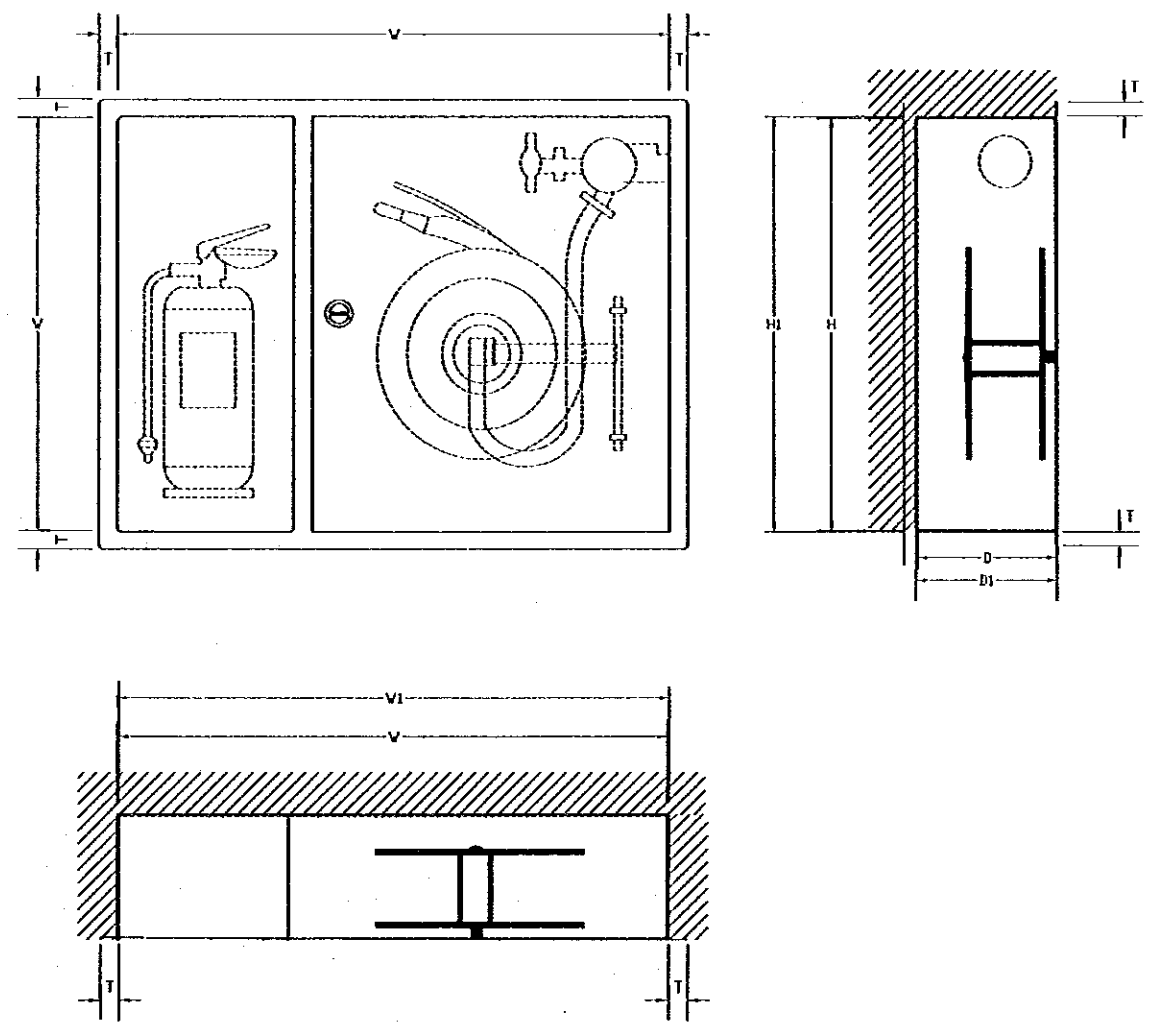
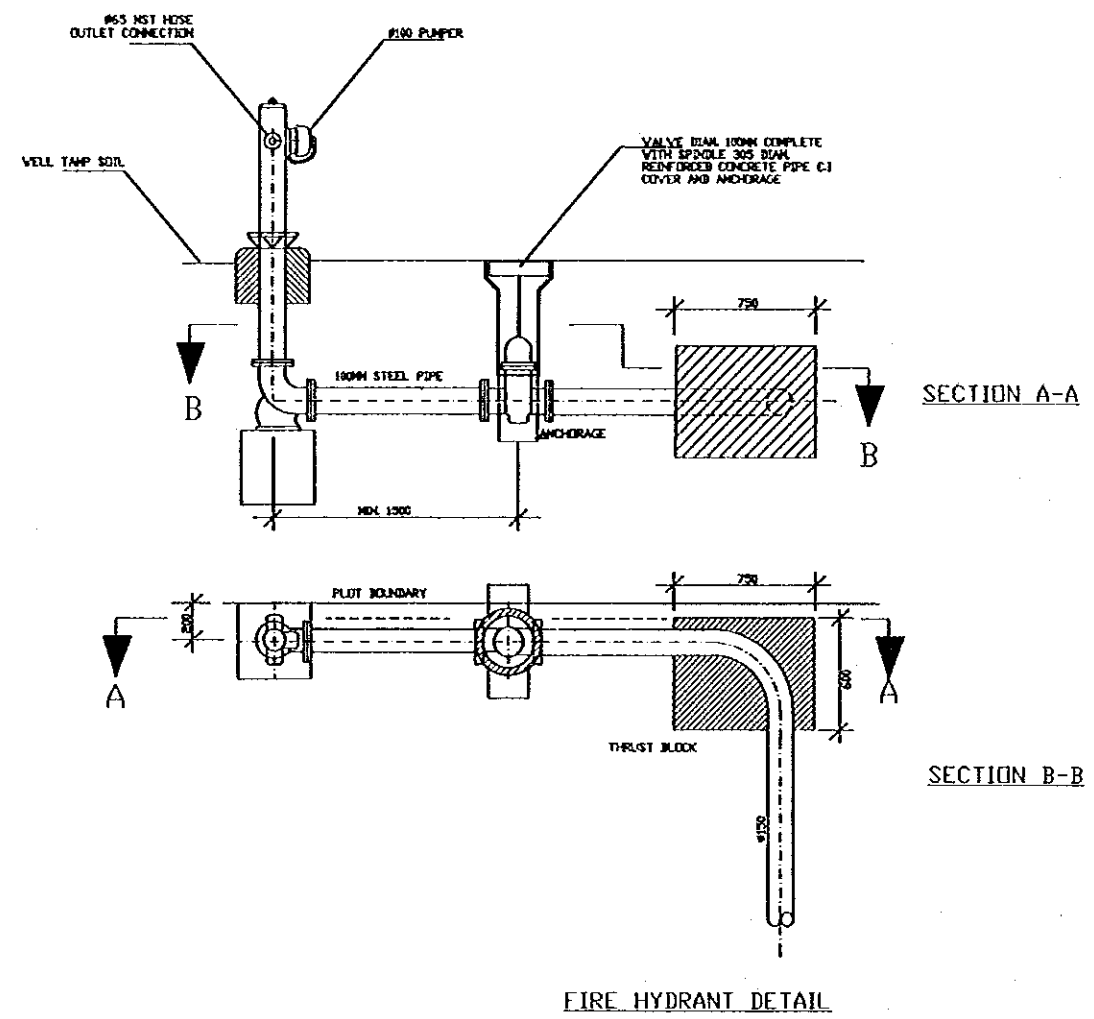
Scale: N.T.S. Drawing No.: DSPC.P-023

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:
 Dead Sea Panoramic Complex

Note:
 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.



DETAIL OF FIRE HOSE REEL CABINET

MODEL	SIZE OF CABINET "cm"			SIZE OF RECESS "cm"		
	WIDTH W	HEIGHT H	DEPTH D	WIDTH W	HEIGHT H	DEPTH D
SF/600	105	90	22	107	92	23
SF/600A	105	90	28	107	92	29

Designed by:
 Japan International Cooperation Agency (JICA)

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

Subcontracted Local Consultant:
 consolidated consultants
 engineering & environment
 Tel: 962277 - Fax: 962288 - Amman - Jordan

Date: June 2000

PLUMBING DETAILS.

Drawing Title:

Scale: N.T.S. **Drawing No.:** DSPC.P-024