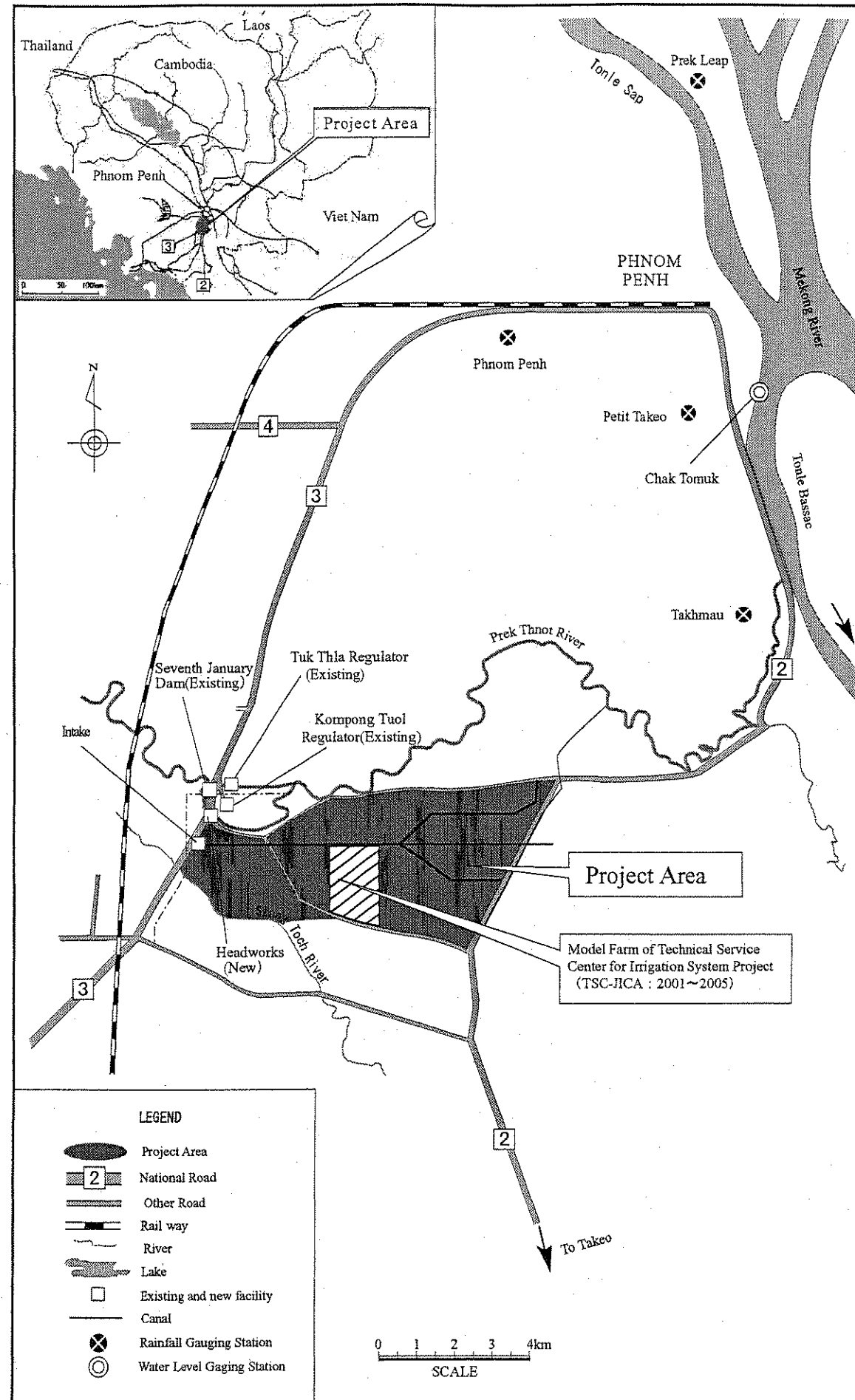


## ***6. Basic Design Drawings***

## List of Drawings

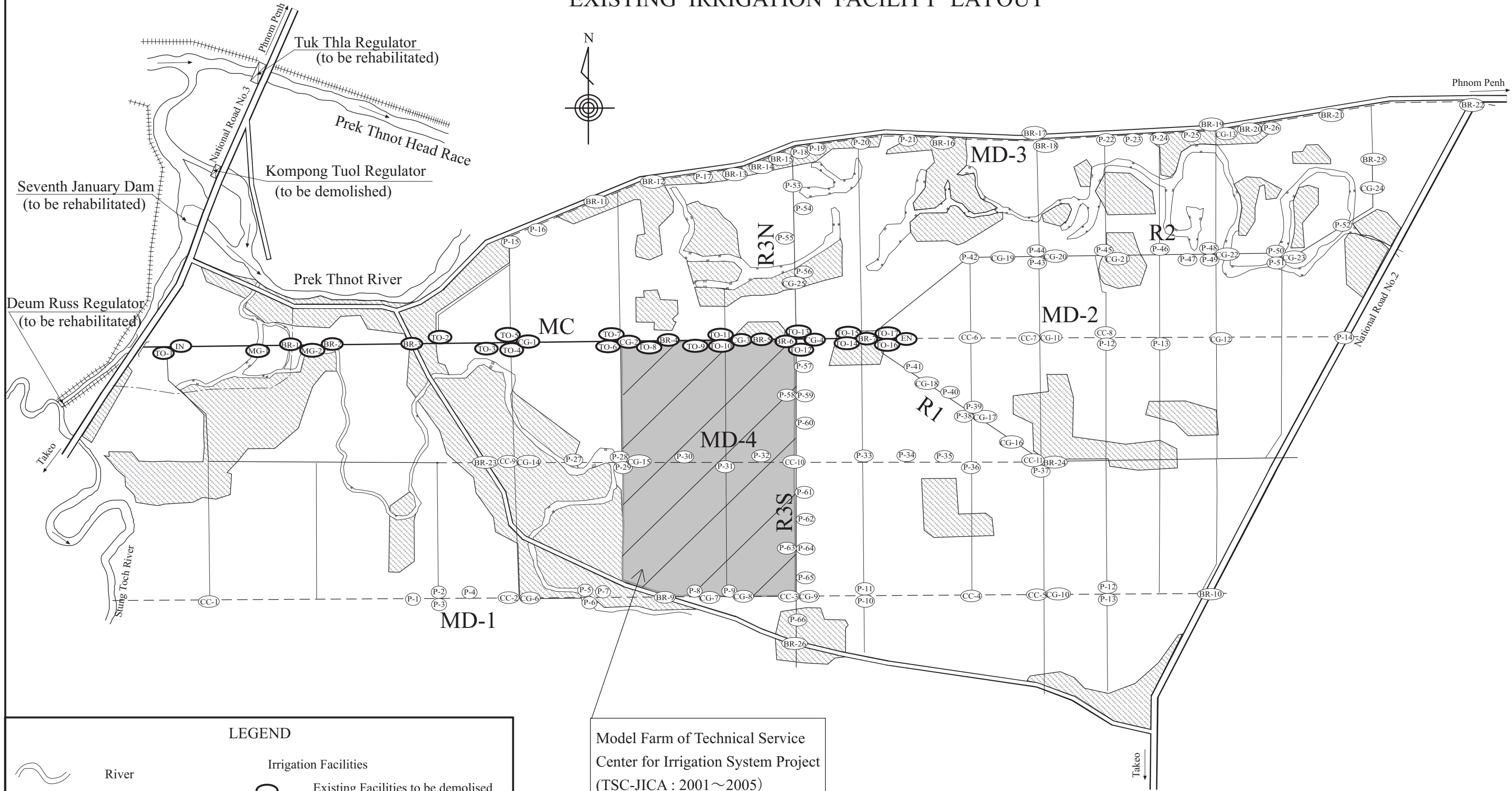
NO.	DRAWING NO.	TITLE OF DRAWINGS	
GENERAL			
1	1-1	LOCATION MAP	
2	1-2	EXISTING IRRIGATION FACILITY LAYOUT	
3	1-3	PROPOSED IRRIGATION FACILITY LAYOUT	
4	1-4	PROPOSED IRRIGATION DIAGRAM	
HEADWORKS			
5	2-1	LAYOUT PLAN	
6	2-2	PROFILE OF LOWER DRIVING CHANNEL	
7	2-3	LOWER DRIVING CHANNEL	
8	2-4	GEOLOGICAL PROFILE	
9	2-5	DETAILED PLAN	
10	2-6	SECTION	(1/6)
11	2-7	SECTION	(2/6)
12	2-8	SECTION	(3/6)
13	2-9	SECTION	(4/6)
14	2-10	SECTION	(5/6)
15	2-11	SECTION	(6/6)
16	2-12	DETAIL OF GATE PART	(1/2)
17	2-13	DETAIL OF GATE PART	(2/2)
18	2-14	FOUNDATION	(1/2)
19	2-15	FOUNDATION	(2/2)
20	2-16	ROAD ALIGNMENT DESIGN TO NATIONAL ROAD	
21	2-17	ROAD BRIDGE	(1/3)
22	2-18	ROAD BRIDGE	(2/3)
23	2-19	ROAD BRIDGE	(3/3)
24	2-20	OPERATION BRIDGE	
25	2-21	HOIST HOUSE	(1/4)
26	2-22	HOIST HOUSE	(2/4)
27	2-23	HOIST HOUSE	(3/4)
28	2-24	HOIST HOUSE	(4/4)
29	2-25	CONTROL HOUSE	
30	2-26	GENERATOR HOUSE	
31	2-27	FLOODWAY GATE	
32	2-28	SLUICeway GATE	
33	2-29	RIVER MAINTENANCE FLOW GATE	
34	2-30	ELECTRIC AND LIGHT SYSTEM	
35	2-31	SCREEN & GRATING OF RIVER MAINTENANCE FLOW GATE	
36	2-32	MISCELLANEOUS WORKS	
REHABILITATION OF EXISTING REGULATOR			
37	3-1	REHABILITATION OF 7TH JANUARY DAM	(1/2)
38	3-2	REHABILITATION OF 7TH JANUARY DAM	(2/2)
39	3-3	REHABILITATION OF TUK THLA REGULATOR	(1/2)
40	3-4	REHABILITATION OF TUK THLA REGULATOR	(2/2)
41	3-5	REHABILITATION OF DUEM RUSS REGULATOR	(1/2)
42	3-6	REHABILITATION OF DUEM RUSS REGULATOR	(2/2)
43	3-7	DEMOLITION OF KOMPONG TUOL REGULATOR	
IRRIGATION SYSTEM			
44	4-1	PLAN AND PROFILE OF MAIN CANAL	(1/4)
45	4-2	PLAN AND PROFILE OF MAIN CANAL	(2/4)
46	4-3	PLAN AND PROFILE OF MAIN CANAL	(3/4)
47	4-4	PLAN AND PROFILE OF MAIN CANAL	(4/4)
48	4-5	TYPICAL CROSS SECTION OF MAIN CANAL (TYPE A)	
49	4-6	TYPICAL CROSS SECTION OF MAIN CANAL (TYPE B)	
50	4-7	INTAKE STRUCTURE	(1/2)
51	4-8	INTAKE STRUCTURE	(2/2)
52	4-9	CHECK STRUCTURE-1	(1/2)
53	4-10	CHECK STRUCTURE-1	(2/2)
54	4-11	CHECK STURUCTURE-2	(1/2)
55	4-12	CHECK STURUCTURE-2	(2/2)
56	4-13	TURNOUT, MAINTENANCE FLOW GATE (MG-3 to MG-6)	(1/3)
57	4-14	TURNOUT, MAINTENANCE FLOW GATE (MG-3 to MG-6)	(2/3)
58	4-15	TURNOUT, MAINTENANCE FLOW GATE (MG-3 to MG-6)	(3/3)
59	4-16	TURNOUT(T.O.21), MAINTENANCE FLOW GATE (MG-1, MG-2)	(1/2)
60	4-17	TURNOUT(T.O.21), MAINTENANCE FLOW GATE (MG-1, MG-2)	(2/2)
61	4-18	BOX CULVERT	(1/2)
62	4-19	BOX CULVERT	(2/2)
63	4-20	END STRUCTURE	(1/5)
64	4-21	END STRUCTURE	(2/5)
65	4-22	END STRUCTURE	(3/5)
66	4-23	END STRUCTURE	(4/5)
67	4-24	END STRUCTURE	(5/5)
68	4-25	PROFILE OF O & M ROAD No.1	
69	4-26	PROFILE OF O & M ROAD No.2	(1/2)
70	4-27	PROFILE OF O & M ROAD No.2	(2/2)
71	4-28	PROFILE OF O & M ROAD No.3	(1/2)
72	4-29	PROFILE OF O & M ROAD No.3	(2/2)
73	4-30	GATES FOR INTAKE STRUCTURE	
74	4-31	GATES FOR CHECK AND END STRUCTURES	
75	4-32	MISCELLANEOUS WORKS	

# LOCATION MAP



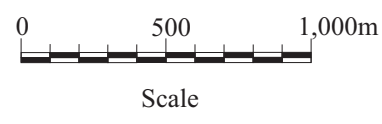
THE KINGDOM OF CAMBODIA			
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM			
TITLE OF DRAWING GENERAL LOCATION MAP			
DATE		DRAWING NO.	1-1
NIPPON KOEI CO., LTD., JAPAN			

# EXISTING IRRIGATION FACILITY LAYOUT



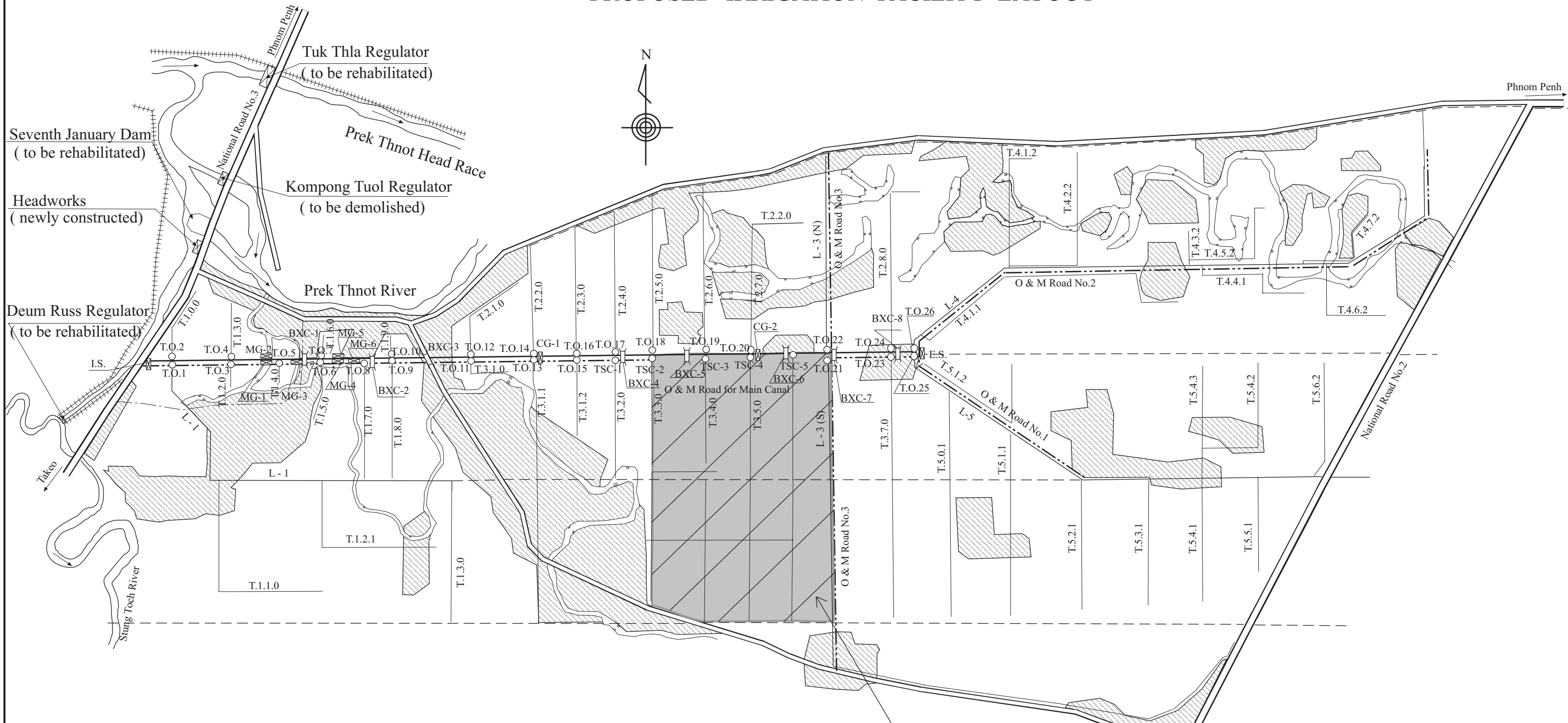
LEGEND	
	River
	Old River Course
	Dike
	Road
	Village Area
	Irrigation Canal
	Drainge Canal
Irrigation Facilities	
	Existing Facilities to be demolished
	Existing Facilities to be remained
	Intake
	Bridge
	Turn Out
	Canal Crossing
	Pipe & Pipe Culvert
	Check Structure
	End Structure

Model Farm of Technical Service Center for Irrigation System Project (TSC-JICA : 2001~2005)



THE KINGDOM OF CAMBODIA		
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM		
TITLE OF DRAWING GENERAL EXISTING IRRIGATION FACILITY LAYOUT		
DATE	DRAWING NO.	1-2
NIPPON KOEI CO., LTD, JAPAN		

# PROPOSED IRRIGATION FACILITY LAYOUT



## LEGEND

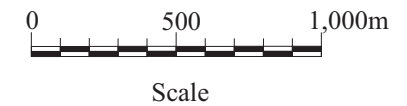
### UNDER THE GRANT AID

- River
- Old River Course
- Dike
- Road
- Village Area
- Intake Structure (I.S.), Check Gate (CG), Maintenance Flow Gate (MG), End Structure (E.S.)
- Box Culvert (BXC), Bridge (BR)
- Turnout
- Main Canal
- Operation and Maintenance (O & M) Road

### OUT OF THE GRANT AID

- L-1 Lateral Canal including Related Structures
- T.3.2.1 Tertiary Canal including Related Structures
- Drainage Canal including Related Structures

Model Farm of Technical Service Center for Irrigation System Project (TSC-JICA : 2001~2005)



THE KINGDOM OF CAMBODIA

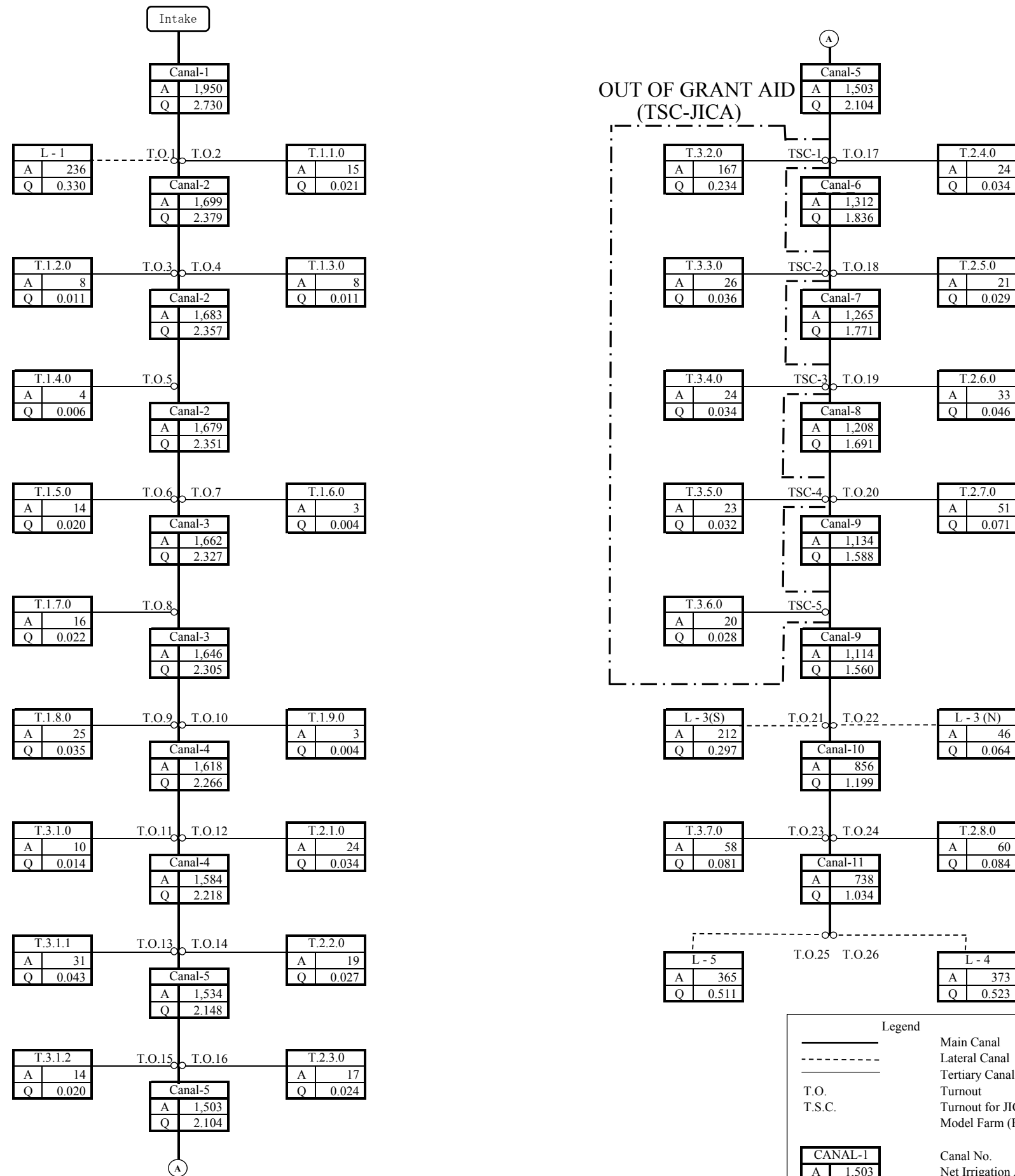
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM

TITLE OF DRAWING  
GENERAL  
PROPOSED IRRIGATION FACILITY LAYOUT

DATE	DRAWING NO.	1-3
------	-------------	-----

NIPPON KOEI CO., LTD, JAPAN

# PROPOSED IRRIGATION DIAGRAM

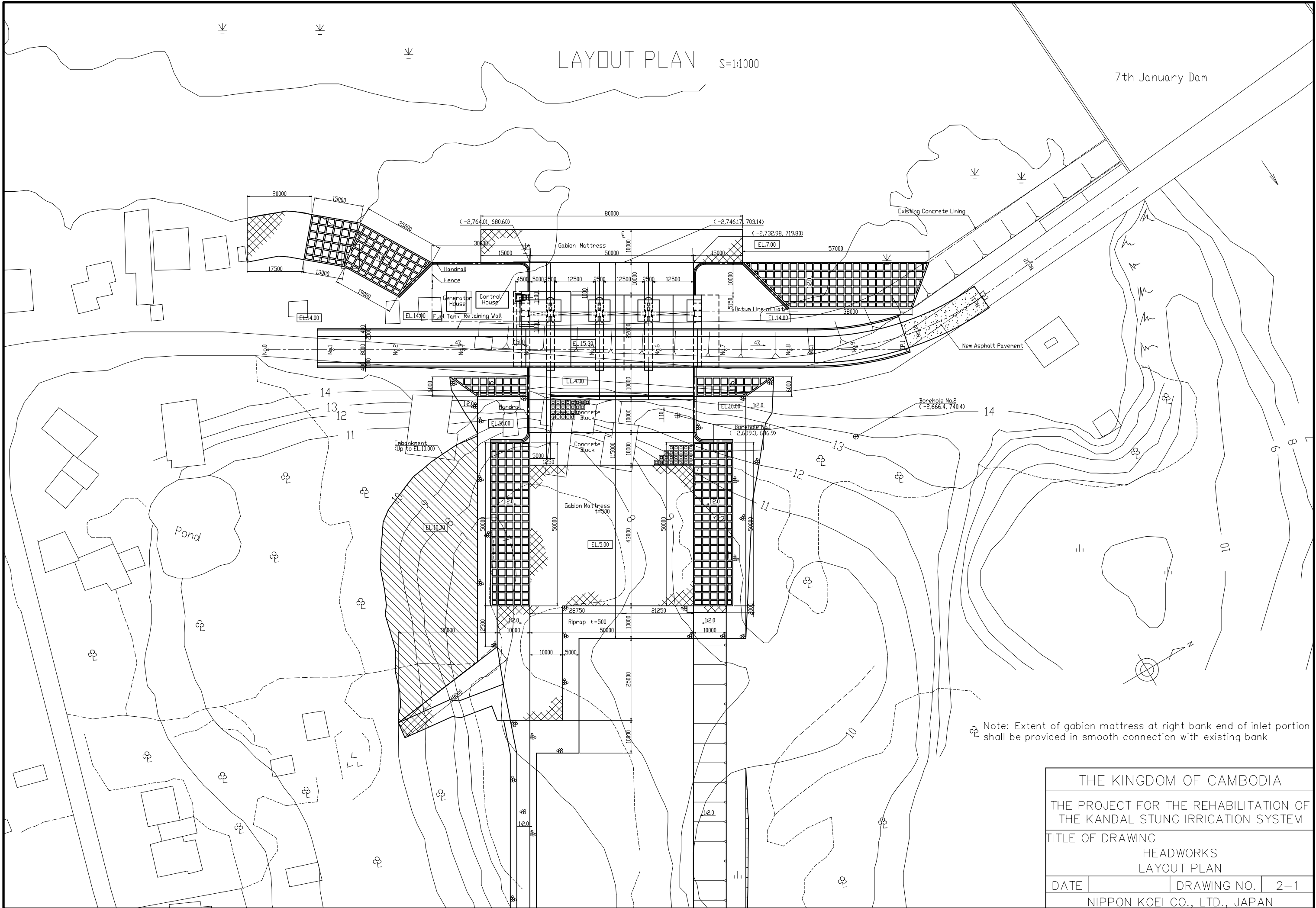


Legend	
	Main Canal
	Lateral Canal
	Tertiary Canal
T.O.	Turnout
T.S.C.	Turnout for JICA Model Farm (Excluding)
<b>CANAL-1</b>	Canal No.
A   1,503	Net Irrigation Area (ha)
Q   2,103	Discharge (m <sup>3</sup> /sec)
	=0.0014(m <sup>3</sup> /sec)×A(ha)

THE KINGDOM OF CAMBODIA		
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM		
TITLE OF DRAWING		
GENERAL PROPOSED IRRIGATION DIAGRAM		
DATE	DRAWING NO.	1-4
NIPPON KOEI CO., LTD., JAPAN		

LAYOUT PLAN S=1:1000

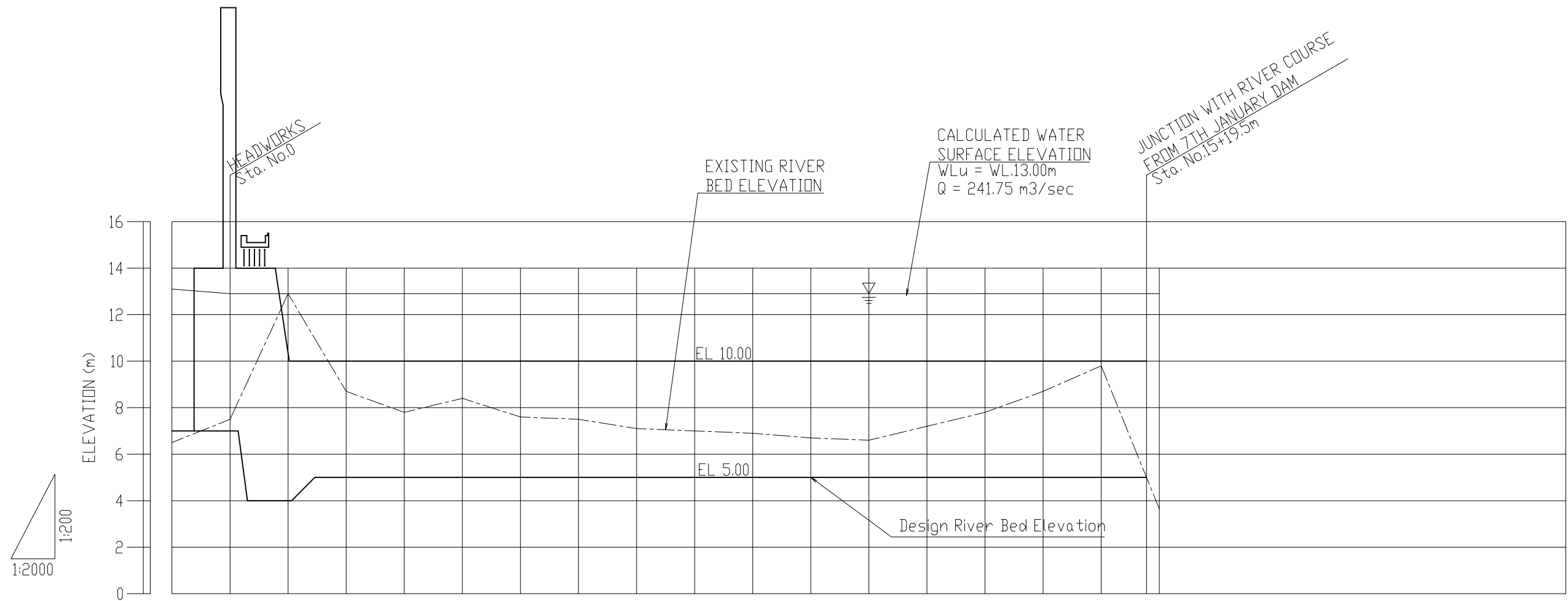
7th January Dam



Note: Extent of gabion mattress at right bank end of inlet portion shall be provided in smooth connection with existing bank

THE KINGDOM OF CAMBODIA		
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM		
TITLE OF DRAWING HEADWORKS LAYOUT PLAN		
DATE	DRAWING NO.	2-1
NIPPON KOEI CO., LTD., JAPAN		

# PROFILE OF LOWER DRIVING CHANNEL



CALCULATED WATER SURFACE ELEVATION (WLu = WL.13.00m)	13.00	12.88	12.88	12.87	12.87	12.87	12.86	12.86	12.86	12.85	12.85	12.85	12.84	12.84	12.84	12.83	12.83	12.83	12.83
RIVER BED ELEVATION	6.5	7.5	12.9	8.7	7.8	8.4	7.6	7.5	7.1	7.0	6.9	6.7	6.6	7.2	7.8	8.7	9.8	5.0	3.6
ACCUMULATED DISTANCE	-25	0	25	50	75	100	125	150	175	200	225	250	275	300	325	350	375	394.5	400
DISTANCE	0	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	25	19.5	5.5
STATION NO.	-1	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	15+19.5m	16

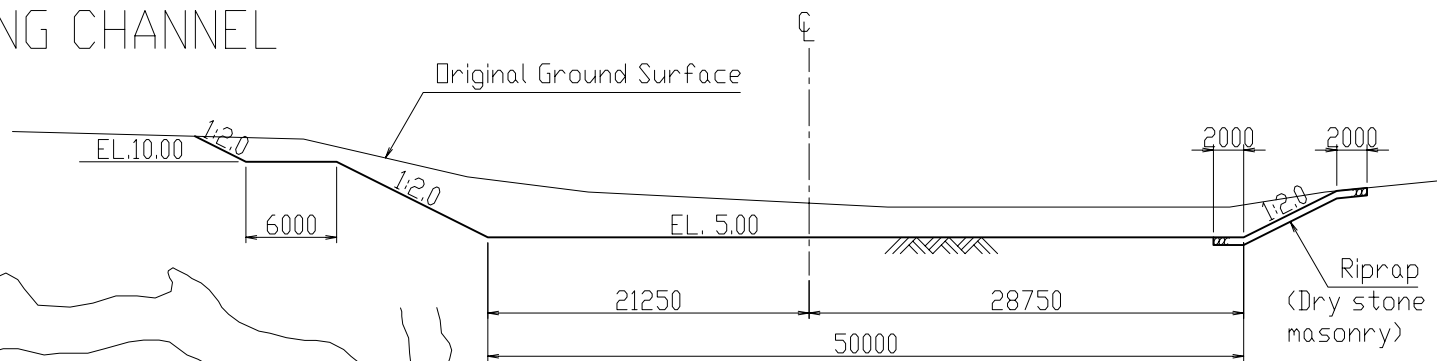
**LEGEND**

- CALCULATED WATER ELEVATION IN CASE OF WLu = WL.13.00m
- - - EXISTING RIVER BED ELEVATION

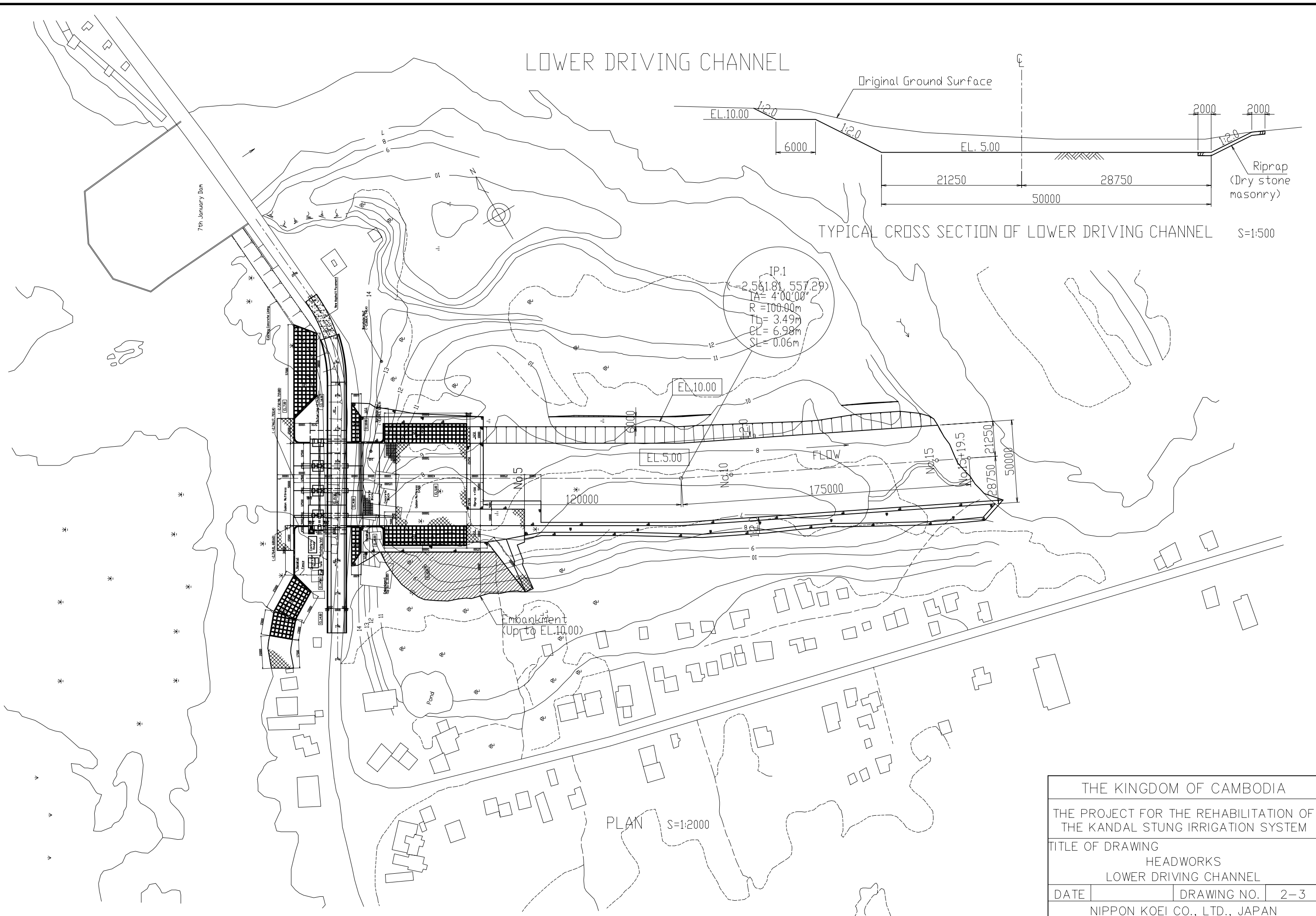
THE KINGDOM OF CAMBODIA		
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM		
TITLE OF DRAWING HEADWORKS PROFILE OF LOWER DRIVING CHANNEL		
DATE	DRAWING NO.	2-2
NIPPON KOEI CO., LTD., JAPAN		



# LOWER DRIVING CHANNEL

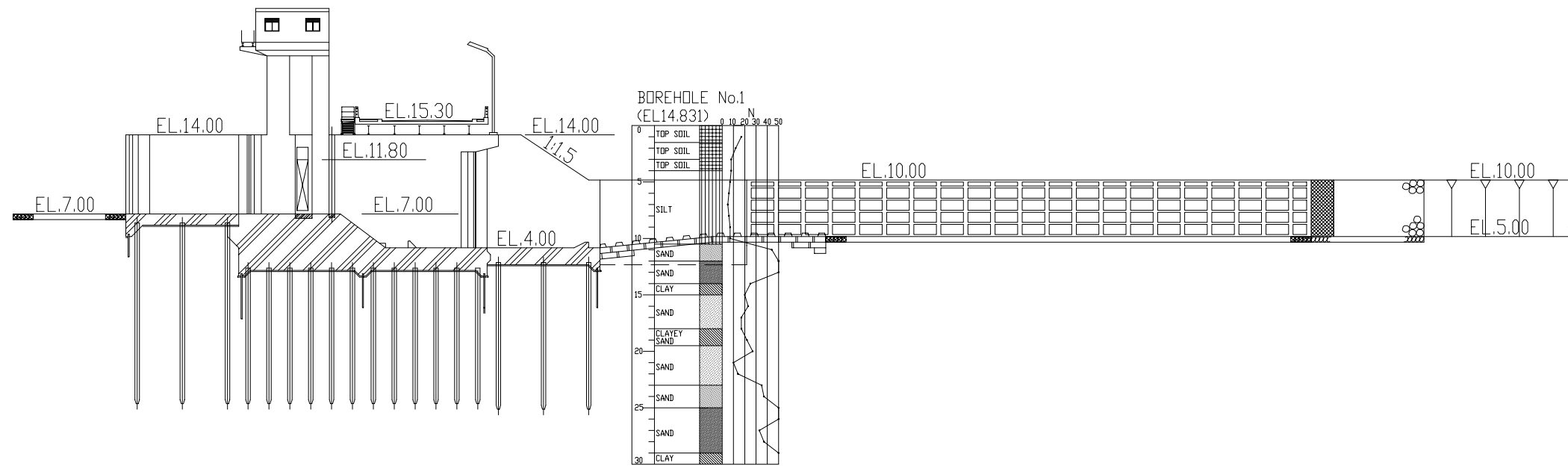


TYPICAL CROSS SECTION OF LOWER DRIVING CHANNEL S=1:500

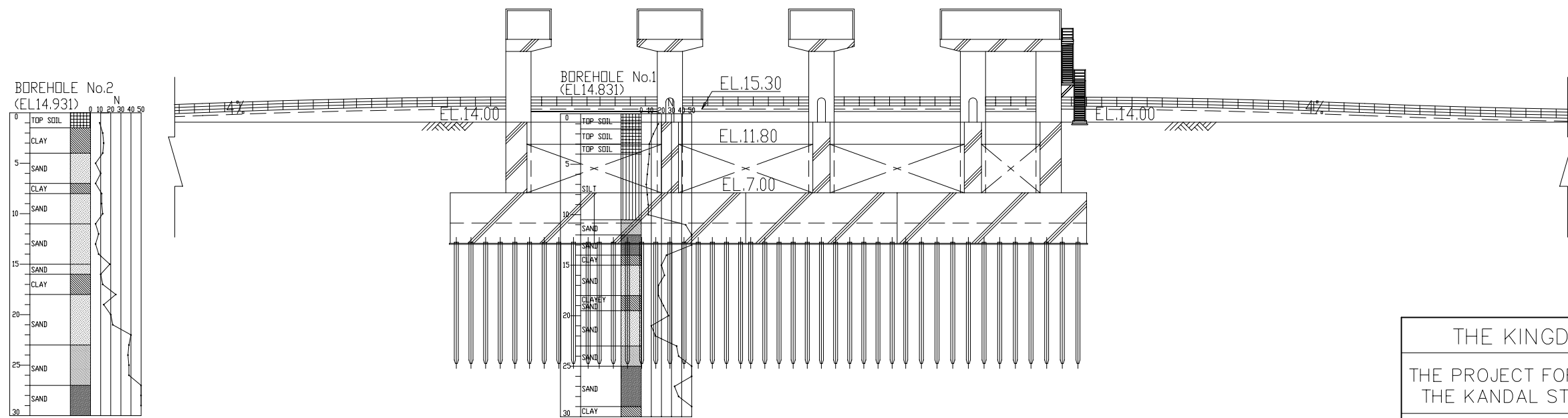


THE KINGDOM OF CAMBODIA		
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM		
TITLE OF DRAWING HEADWORKS LOWER DRIVING CHANNEL		
DATE	DRAWING NO.	2-3
NIPPON KOEI CO., LTD., JAPAN		

# GEOLOGICAL PROFILE

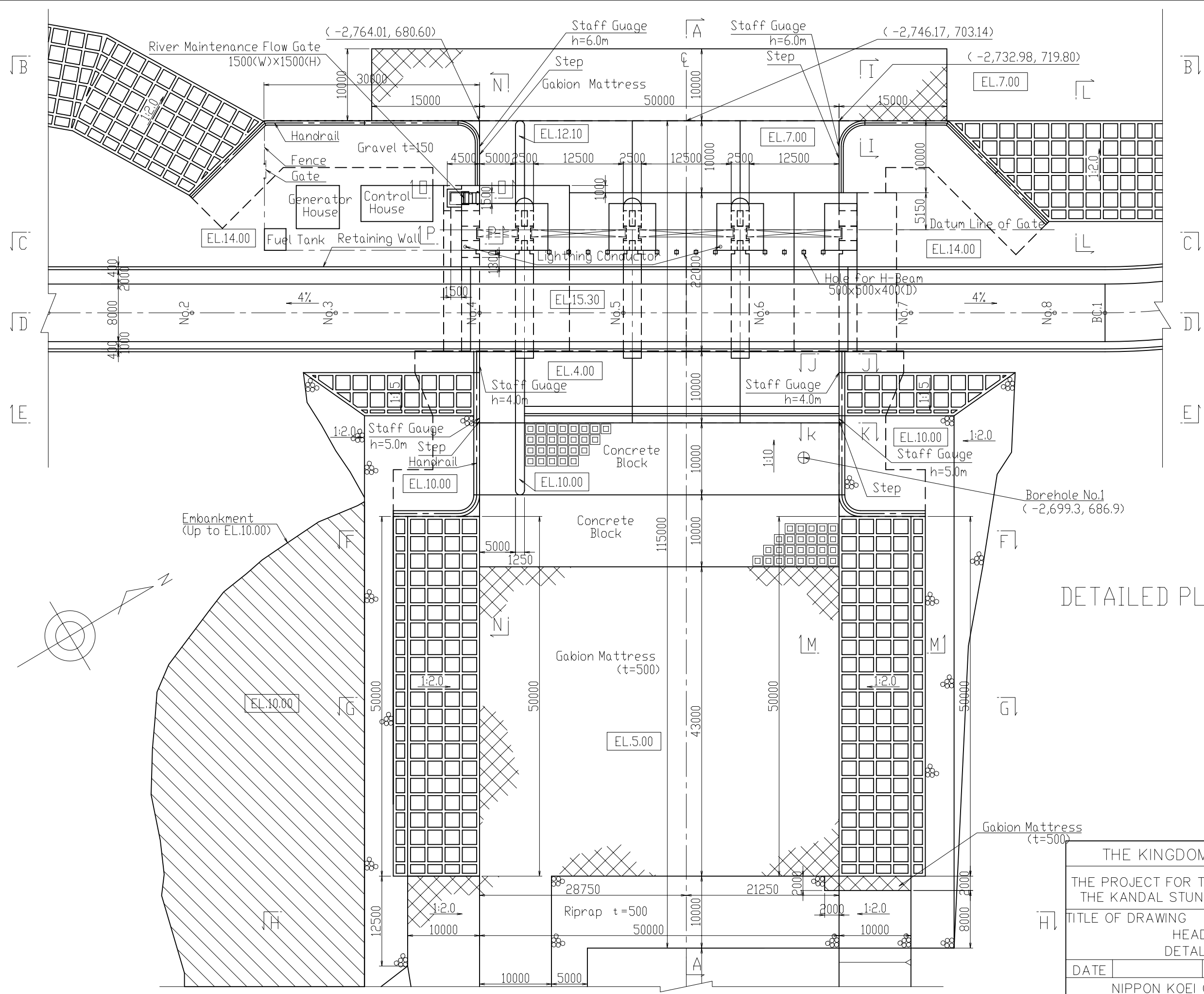


SECTION A-A S=1:500



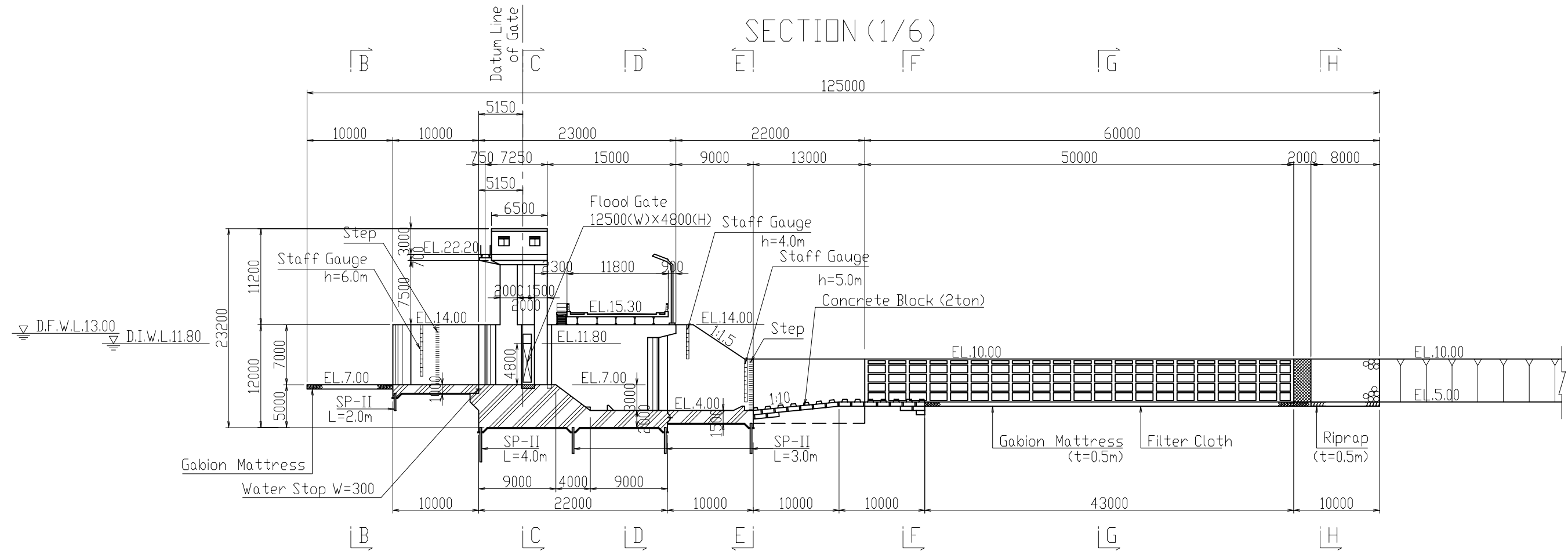
SECTION C-C S=1:500

THE KINGDOM OF CAMBODIA		
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM		
TITLE OF DRAWING HEADWORKS GEOLOGICAL PROFILE		
DATE	DRAWING NO.	2-4
NIPPON KOEI CO., LTD., JAPAN		



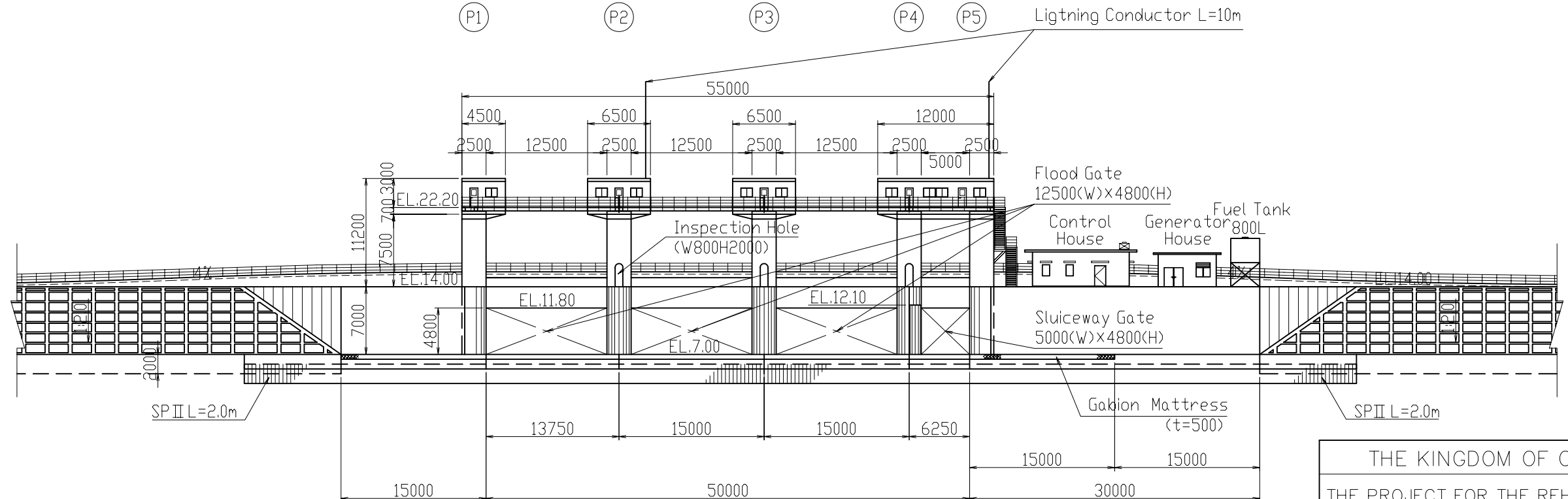
DETAILED PLAN S=1:500

THE KINGDOM OF CAMBODIA		
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM		
TITLE OF DRAWING		
HEADWORKS		
DETAILED PLAN		
DATE	DRAWING NO.	2-5
NIPPON KOEI CO., LTD., JAPAN		



D.F.W.L. : Design Flood Water Level (WL.13.00m)  
 D.I.W.L. : Design Intake Water Level (WL.11.80m)

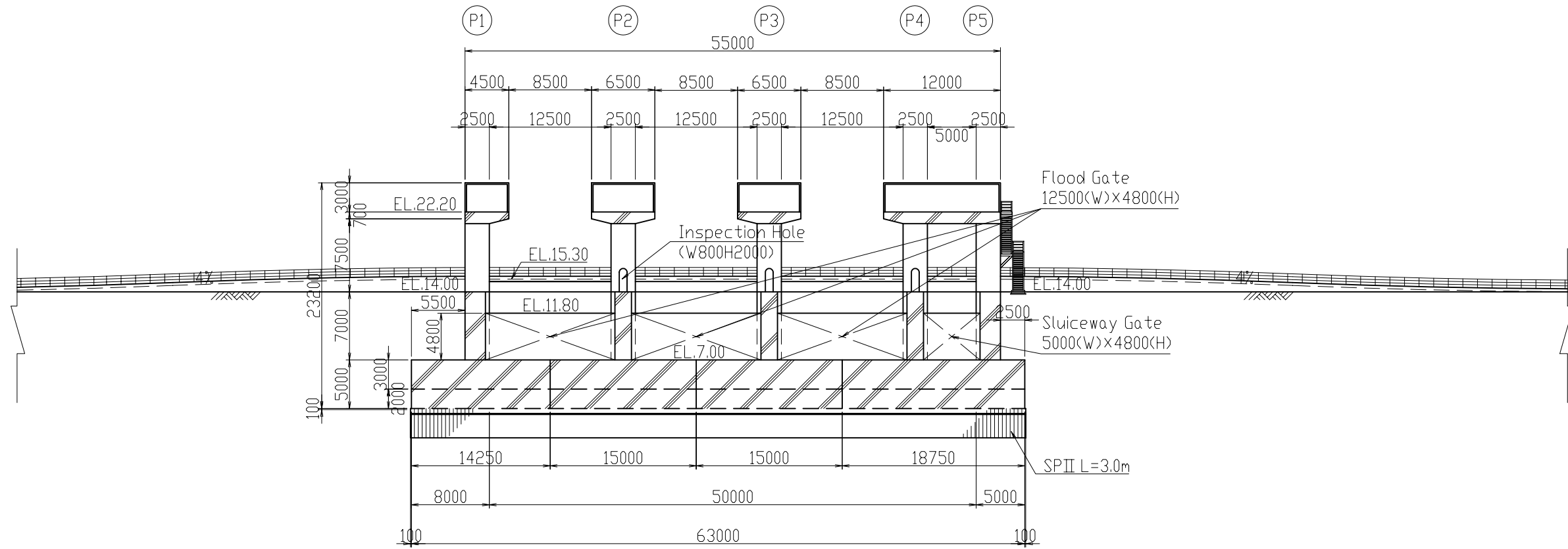
SECTION A-A S=1:500



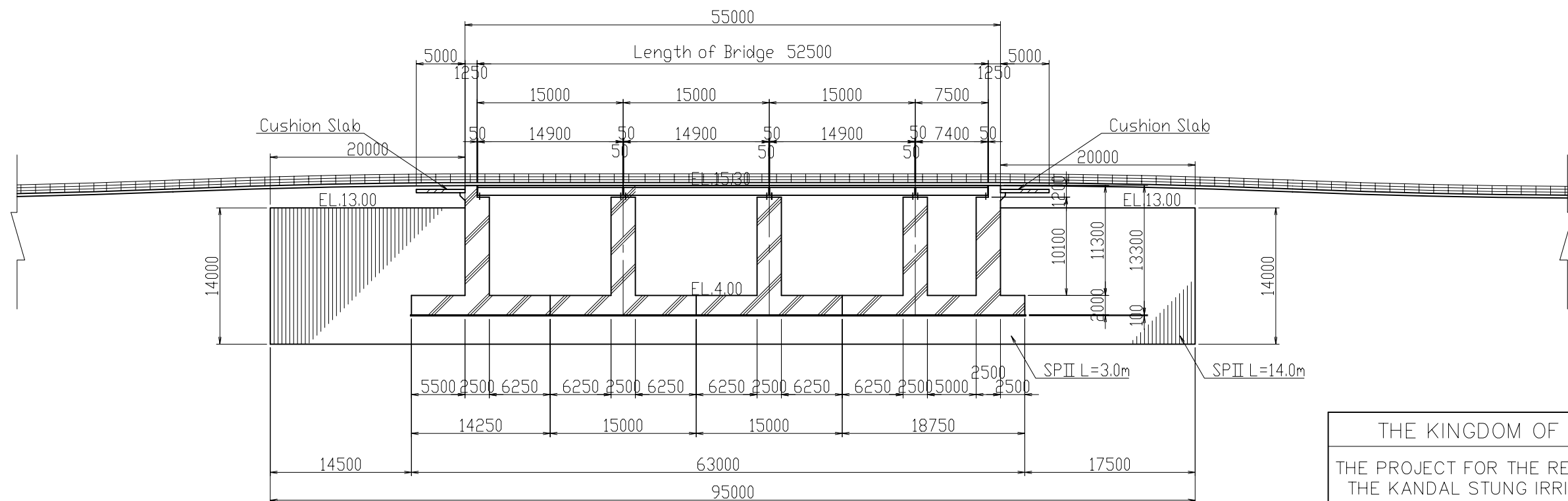
SECTION B-B S=1:500

THE KINGDOM OF CAMBODIA		
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM		
TITLE OF DRAWING		
HEADWORKS		
SECTION(1/6)		
DATE	DRAWING NO.	2-6
NIPPON KOEI CO., LTD., JAPAN		

SECTION (2/6)



SECTION C-C S=1:500

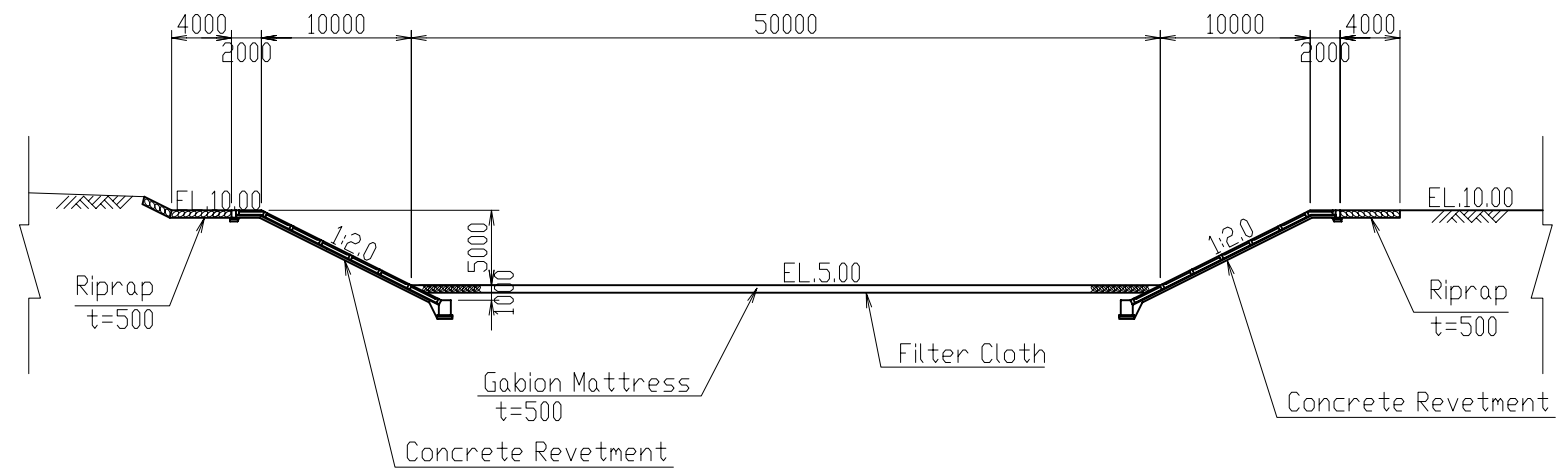


SECTION D-D S=1:500

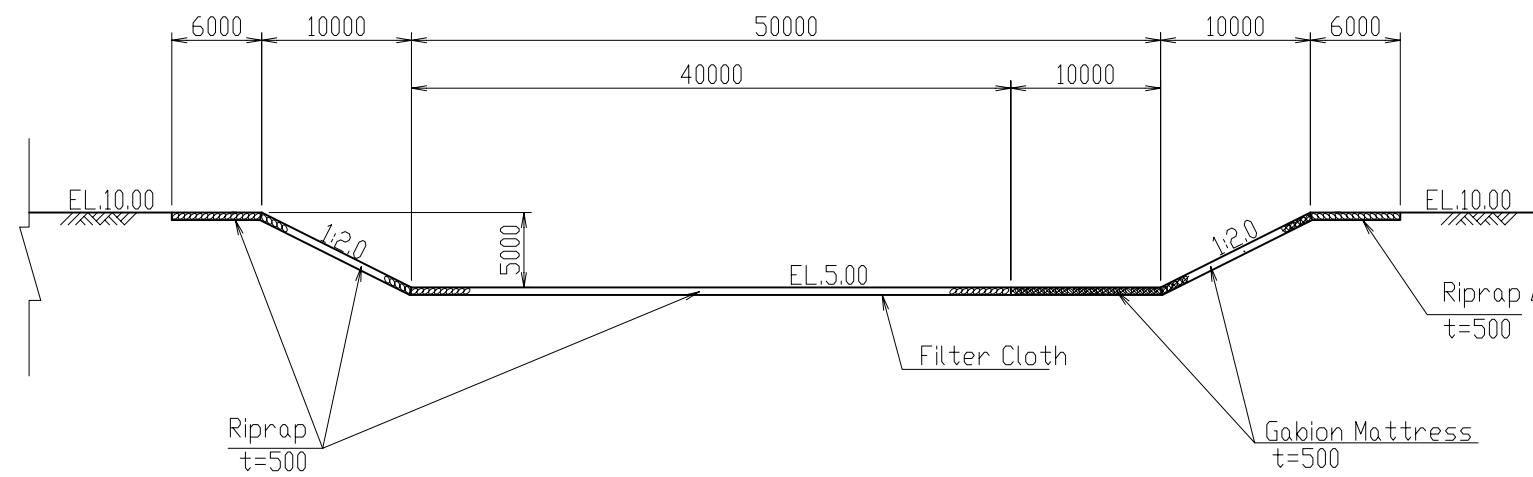
THE KINGDOM OF CAMBODIA		
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM		
TITLE OF DRAWING		
HEADWORKS		
SECTION(2/6)		
DATE	DRAWING NO.	2-7
NIPPON KOEI CO., LTD., JAPAN		



SECTION(4/6)



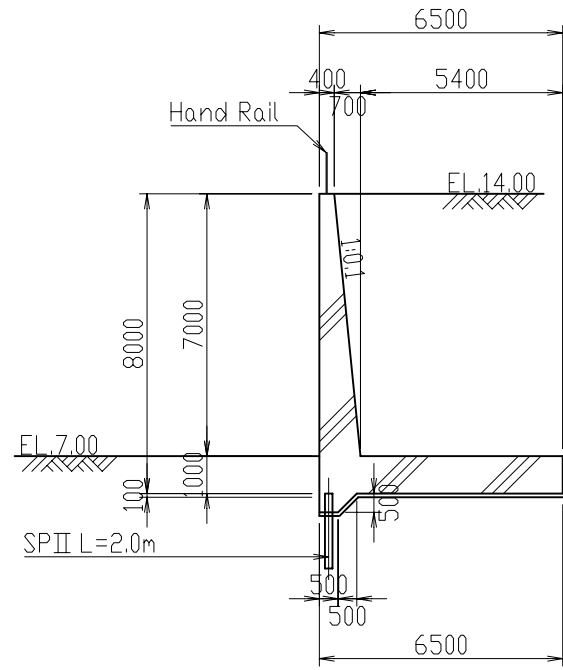
SECTION G-G S=1:500



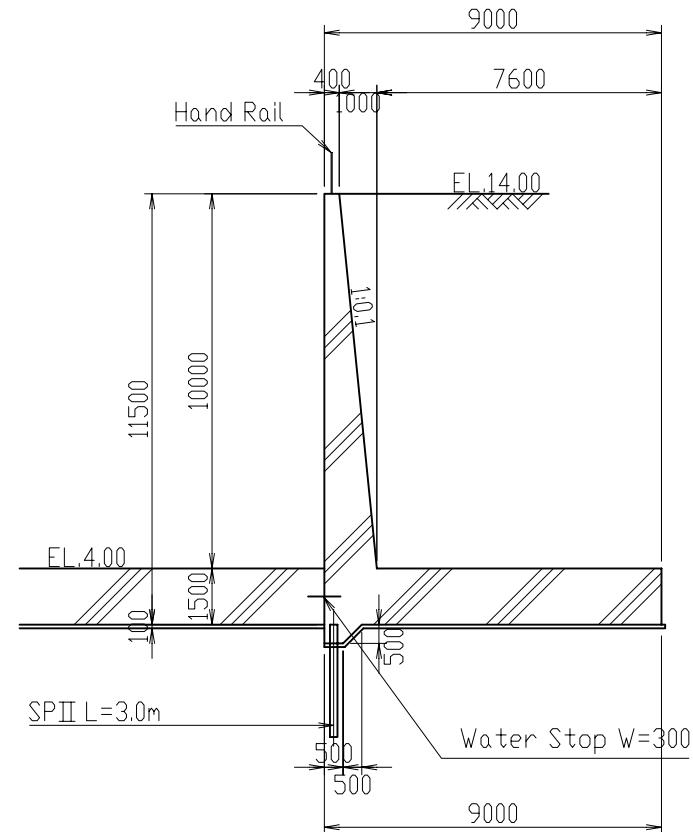
SECTION H-H S=1:500

THE KINGDOM OF CAMBODIA			
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM			
TITLE OF DRAWING			
HEADWORKS			
SECTION(4/6)			
DATE		DRAWING NO.	2-9
NIPPON KOEI CO., LTD., JAPAN			

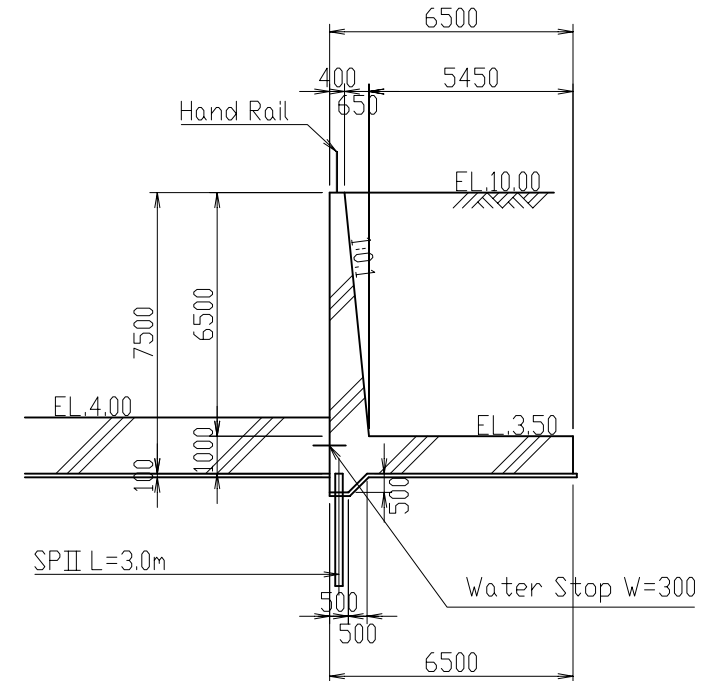
SECTION(5/6)



SECTION I-I

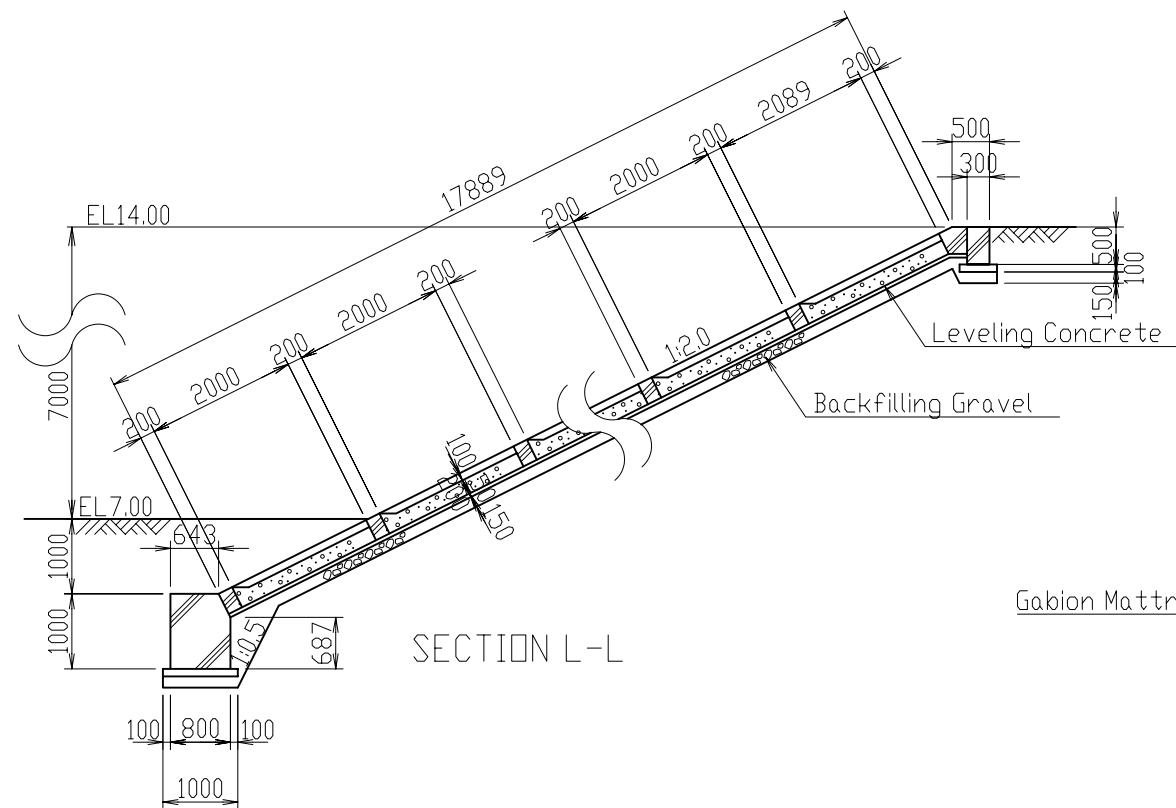


SECTION J-J (Type-A)

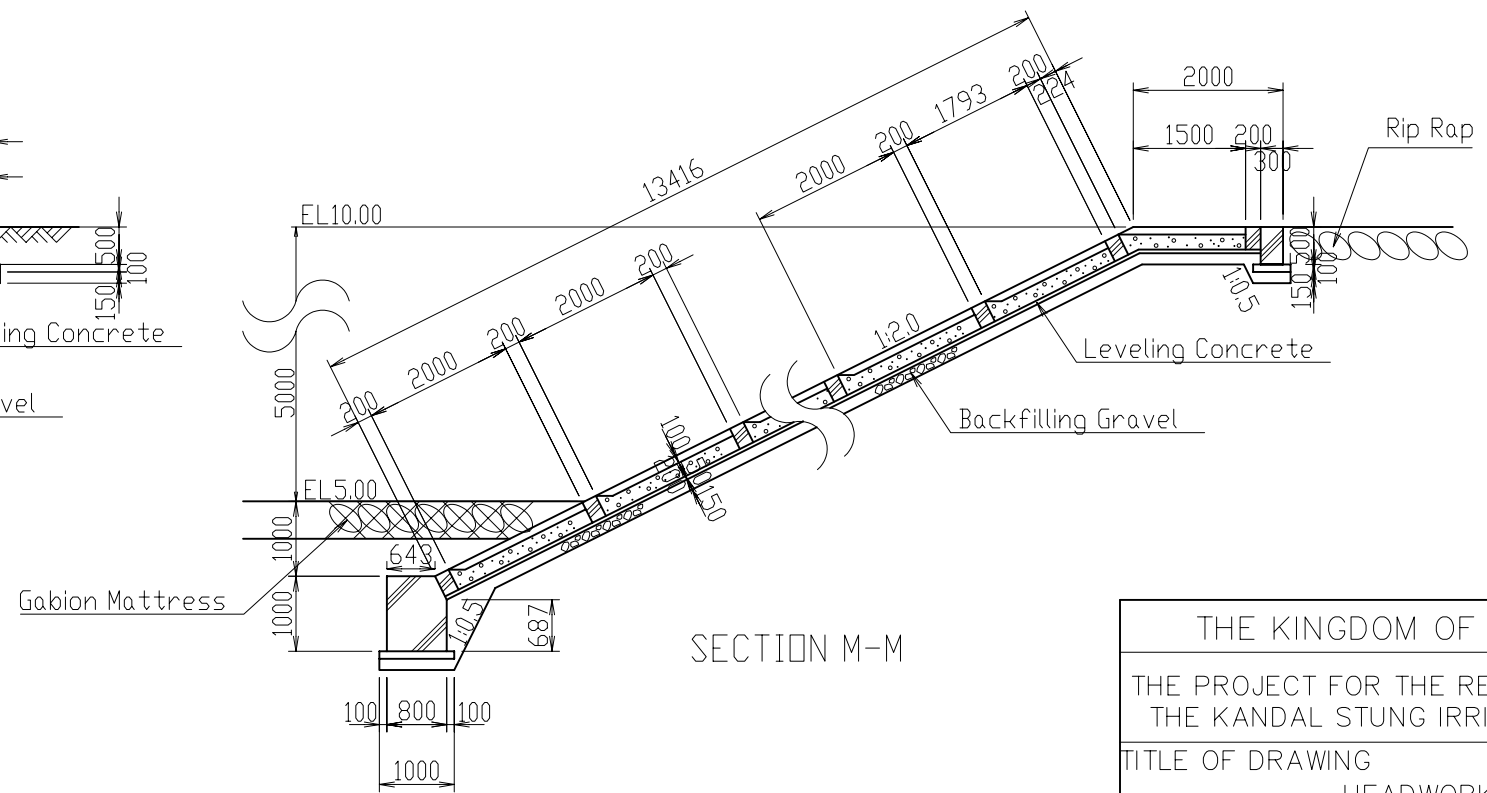


SECTION K-K (Type-B)

DETAIL OF RETAINING WALLS S=1:200



SECTION L-L



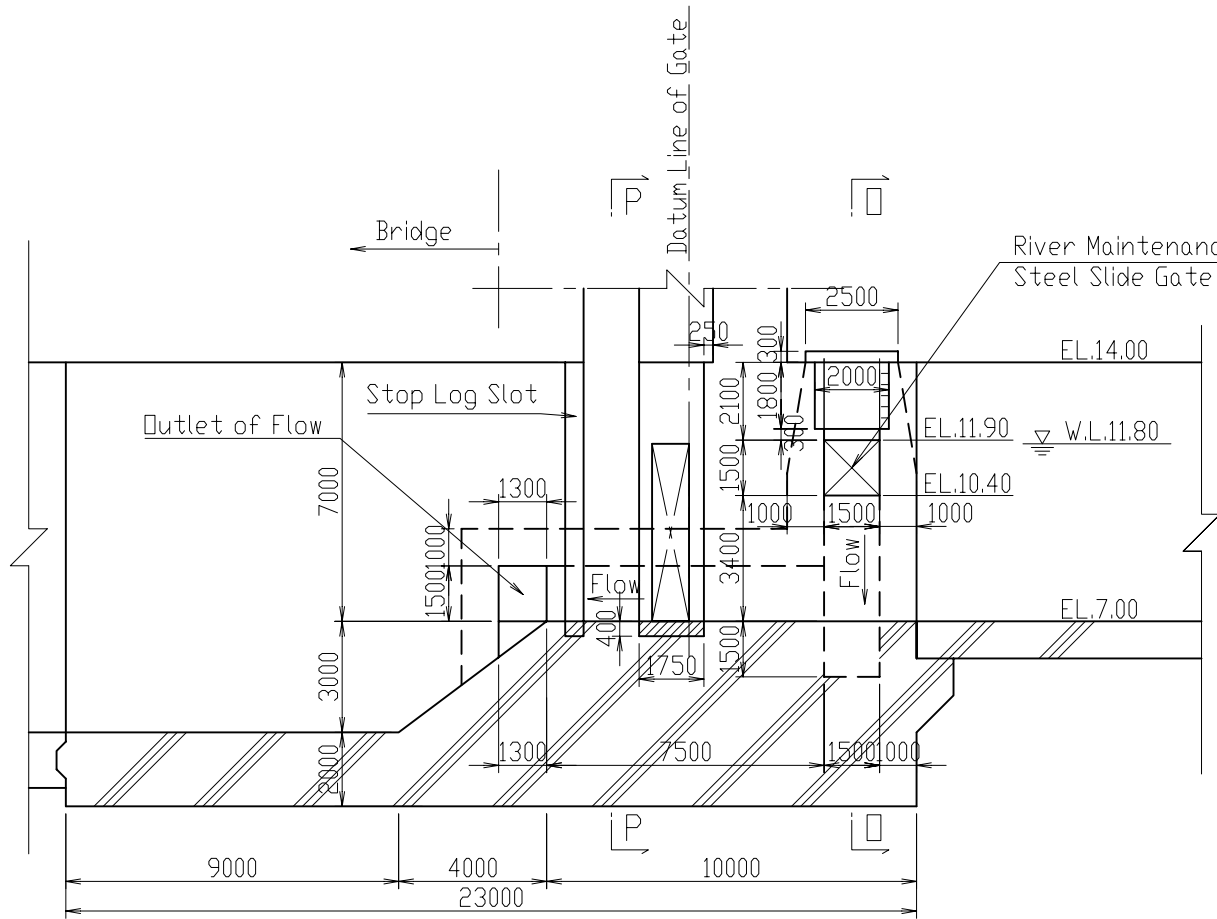
SECTION M-M

DETAIL OF REVENTMENTS S=1:100

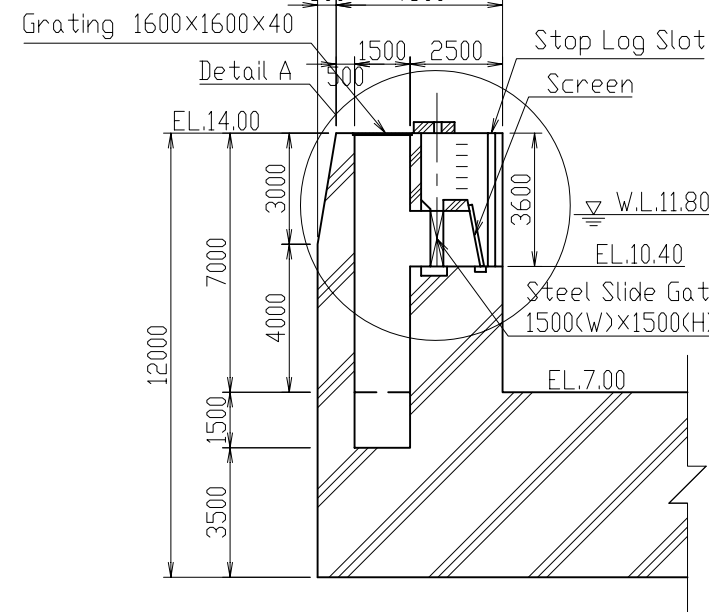
THE KINGDOM OF CAMBODIA		
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM		
TITLE OF DRAWING HEADWORKS SECTION(5/6)		
DATE	DRAWING NO.	2-10
NIPPON KOEI CO., LTD., JAPAN		



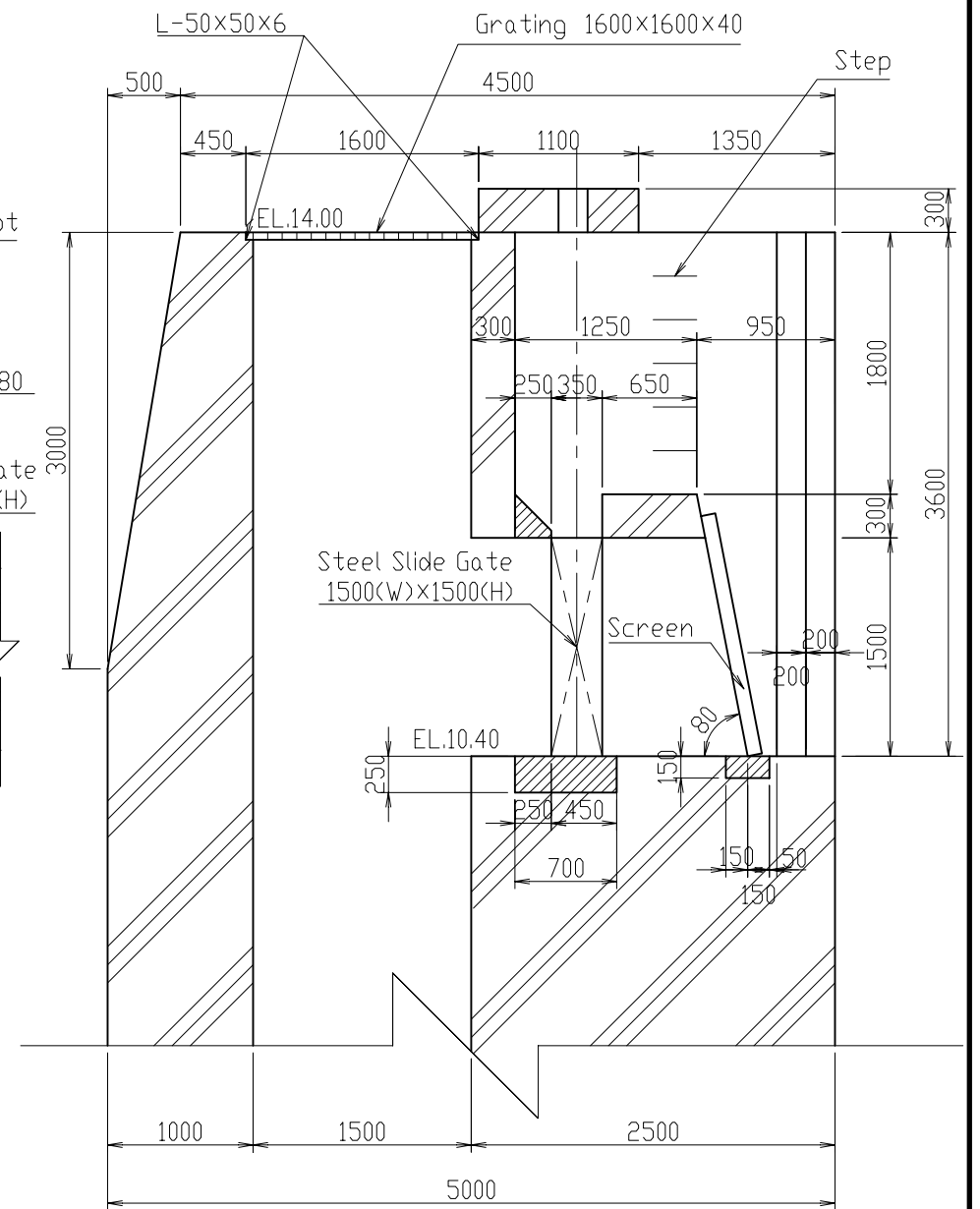
SECTION (6/6)



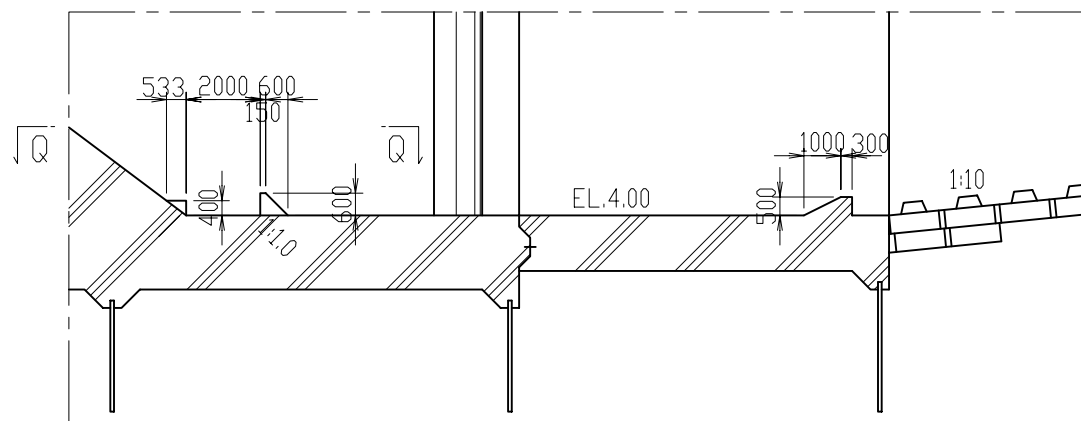
SECTION N - N S=1:200



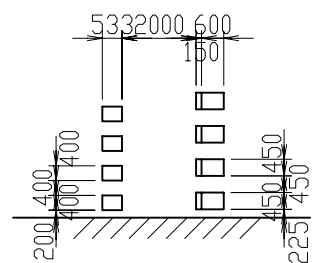
SECTION D - D S=1:200



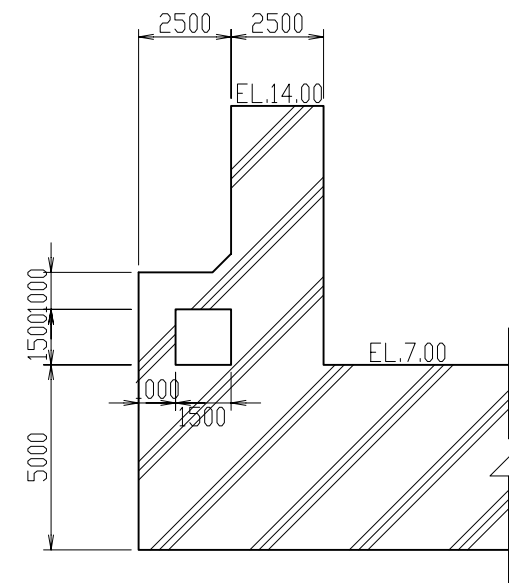
DETAIL A S=1:50



DETAIL OF BUFFLE PIERS AND END SILL S=1:200



SECTION Q - Q S=1:200

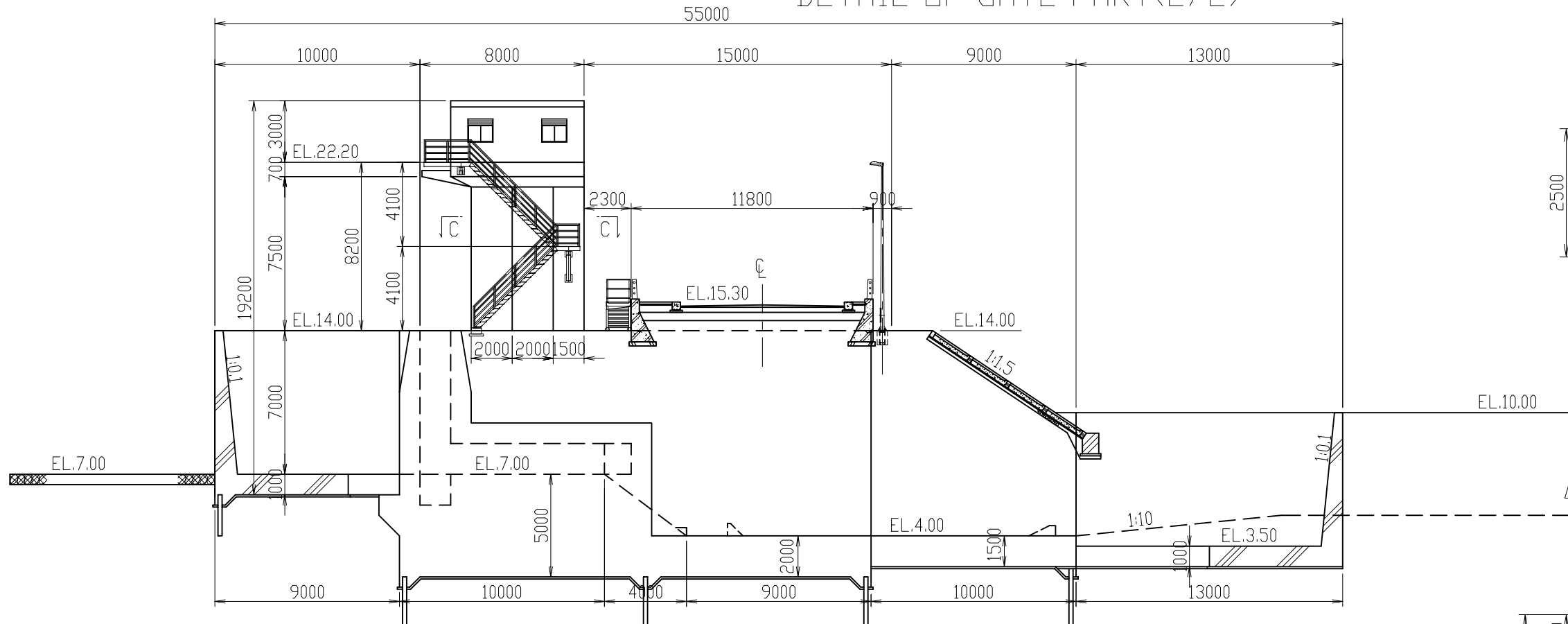


SECTION P - P S=1:200

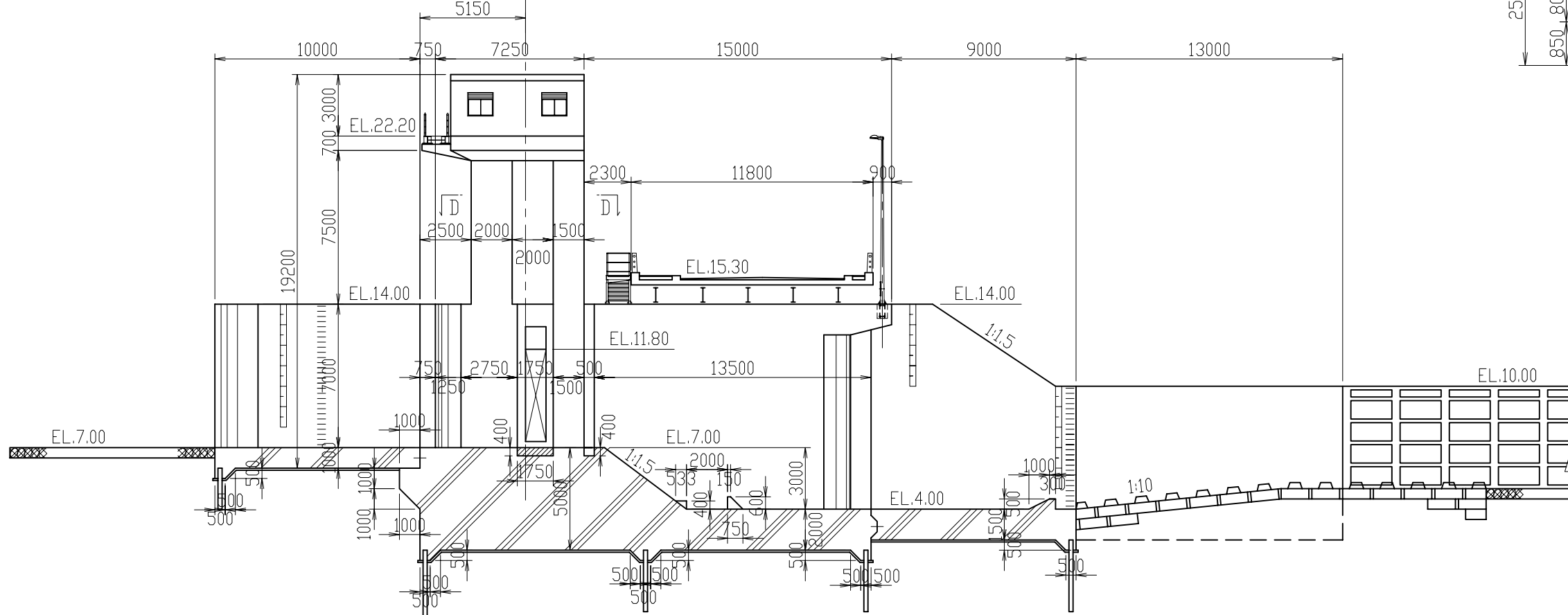
THE KINGDOM OF CAMBODIA		
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM		
TITLE OF DRAWING HEADWORKS SECTION(6/6)		
DATE	DRAWING NO.	2-11
NIPPON KOEI CO., LTD., JAPAN		



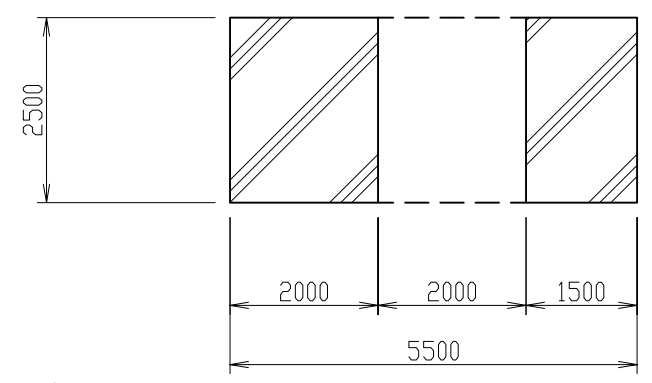
# DETAIL OF GATE PART(2/2)



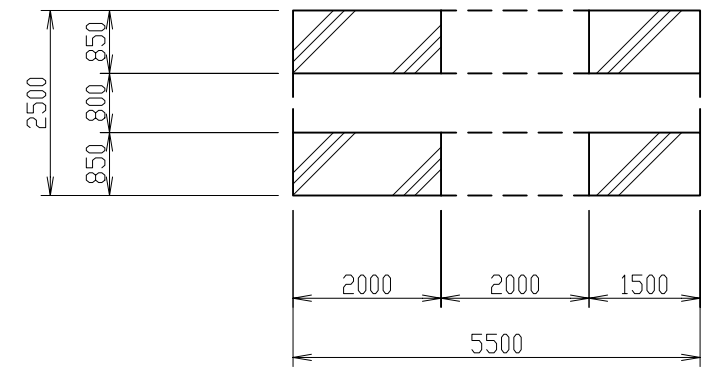
SECTION A-A S=1:250



SECTION B-B S=1:250



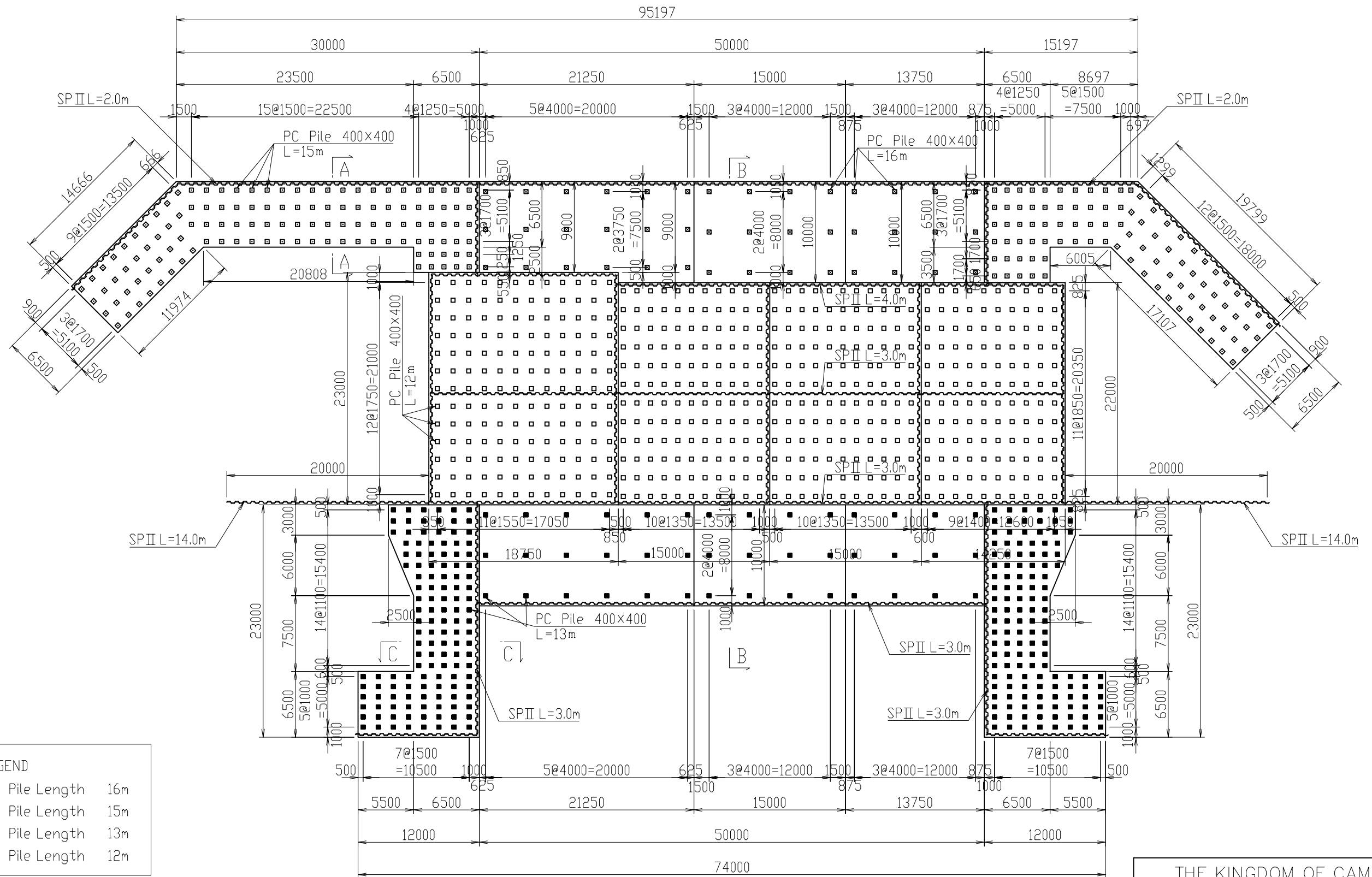
SECTION C-C S=1:100



SECTION D-D S=1:100

THE KINGDOM OF CAMBODIA			
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM			
TITLE OF DRAWING			
HEADWORKS			
DETAIL OF GATE PART(2/2)			
DATE		DRAWING NO.	2-13
NIPPON KOEI CO., LTD., JAPAN			

# FOUNDATION(1/2)

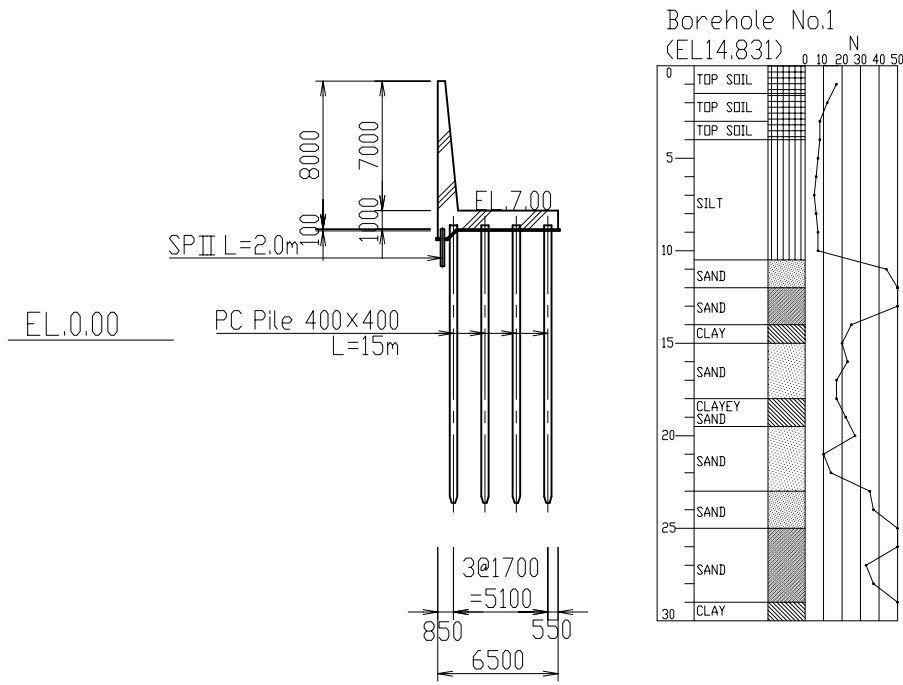


LEGEND	
☒	Pile Length 16m
□	Pile Length 15m
■	Pile Length 13m
□	Pile Length 12m

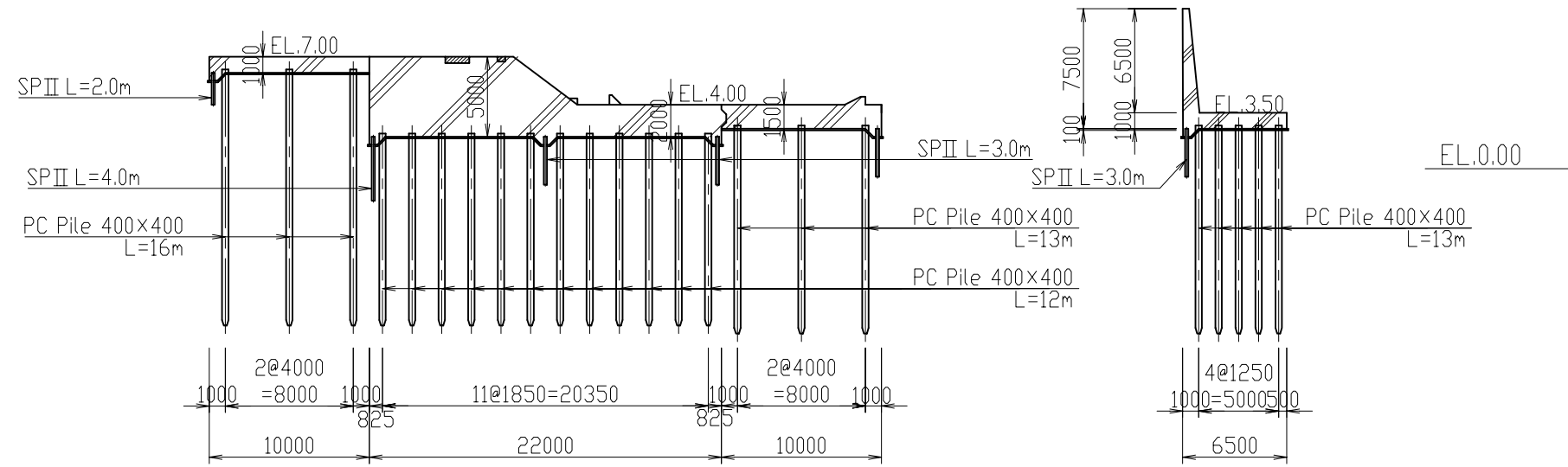
PLAN S=1:400

THE KINGDOM OF CAMBODIA		
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM		
TITLE OF DRAWING		
HEADWORKS		
FOUNDATION(1/2)		
DATE	DRAWING NO.	2-14
NIPPON KOEI CO., LTD., JAPAN		

# FOUNDATION(2/2)

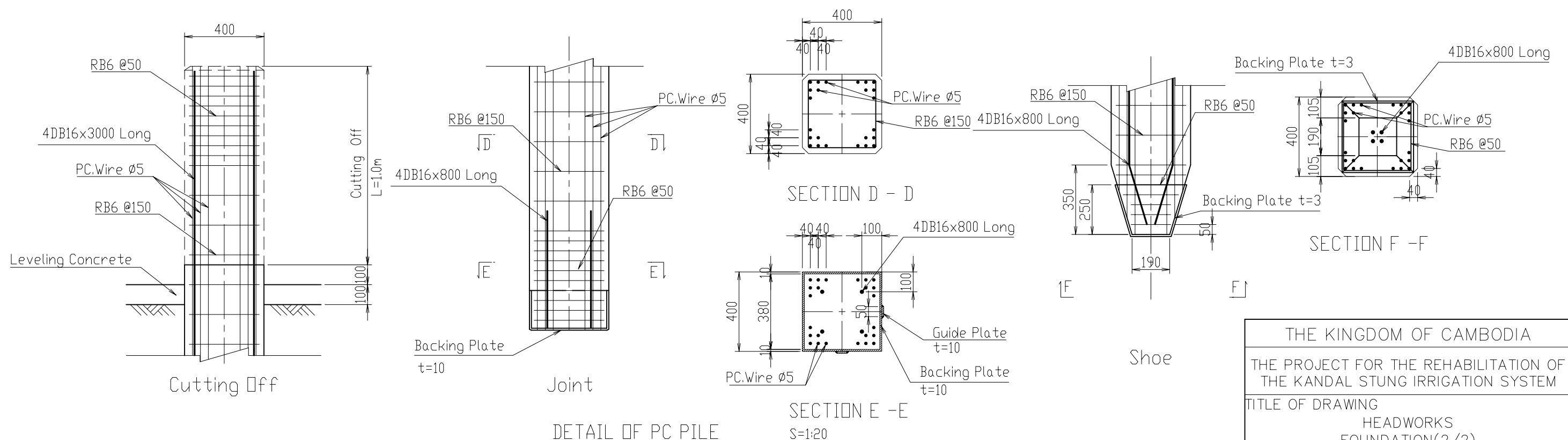


SECTION A-A S=1:400



SECTION B-B S=1:400

SECTION C-C S=1:400

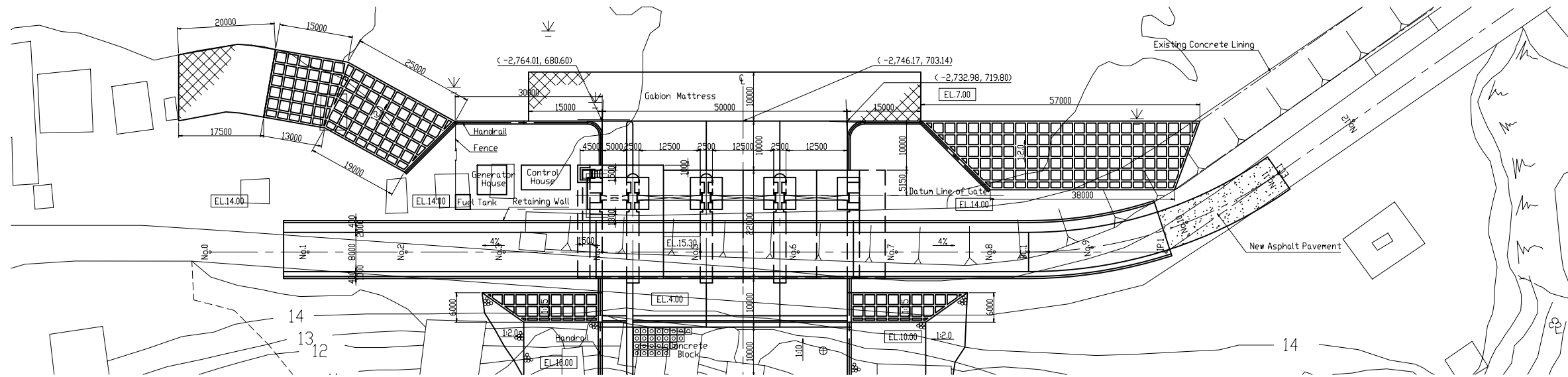


DETAIL OF PC PILE

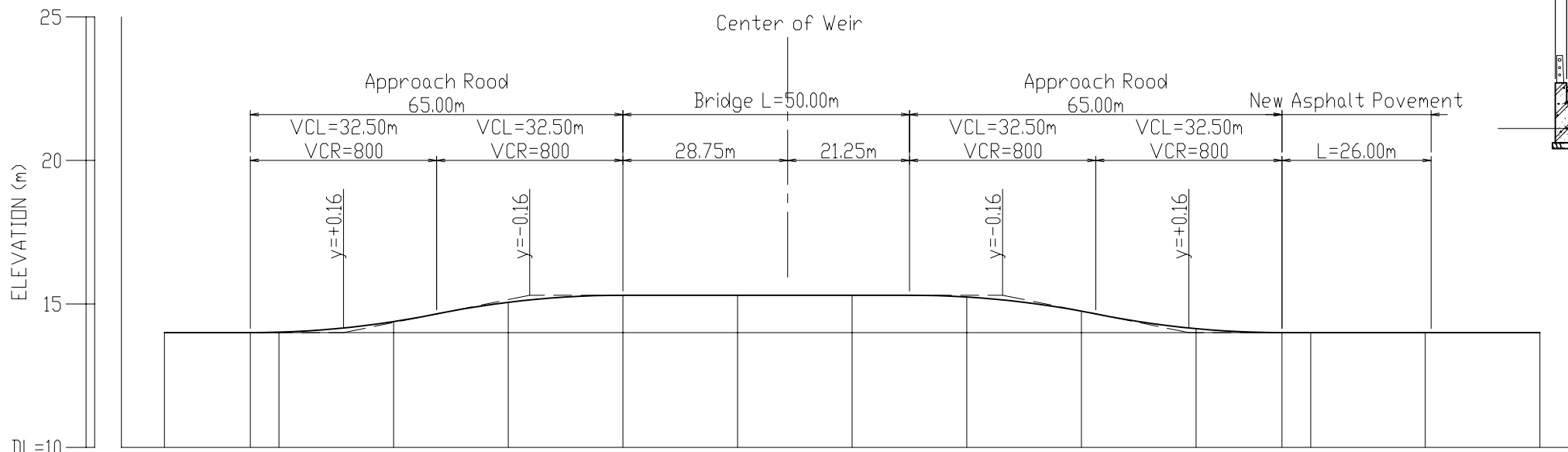
SECTION E-E S=1:20

THE KINGDOM OF CAMBODIA		
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM		
TITLE OF DRAWING HEADWORKS FOUNDATION(2/2)		
DATE	DRAWING NO.	2-15
NIPPON KOEI CO., LTD., JAPAN		

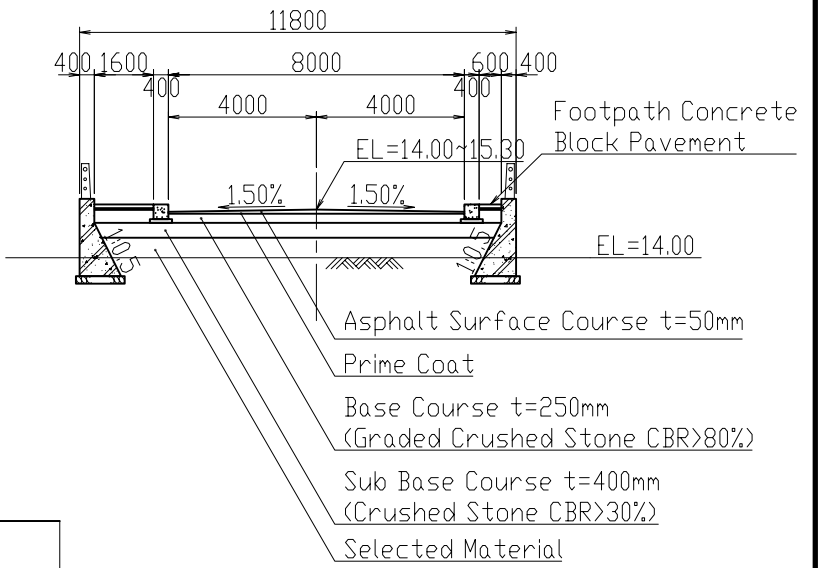
# ROAD ALIGNMENT DESIGN TO NATIONAL ROAD



PLAN S=1:1000



1:1000  
1:200  
DL=10



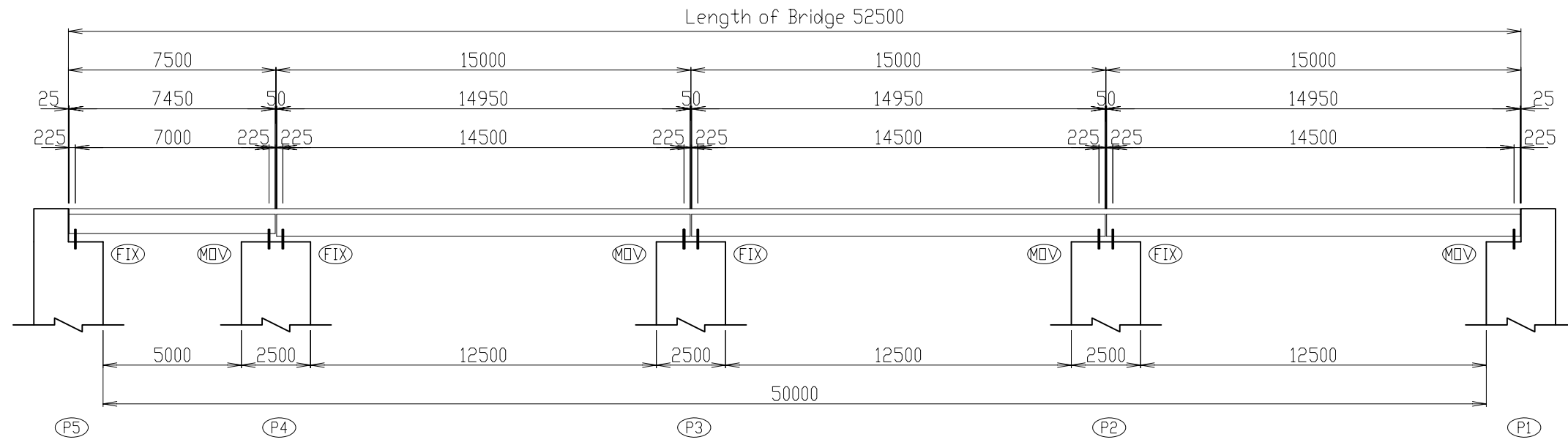
TYPICAL CROSS SECTION OF APPROACH ROAD S=1:200

SLOPE															
DESIGNED ROAD ELEVATION	14.0	14.0	14.0	14.4	15.1	15.3	15.3	15.2	14.7	14.1	14.0	14.0	14.0	14.0	14.0
EXISTING ROAD ELEVATION	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
ACCUMULATED DISTANCE	0	15	20	40	60	80	100	120	140	160	180	195	200	220	240
DISTANCE	0	15	5	20	20	20	20	20	20	20	20	15	5	20	19
STATION NO.	0	0+15m	1	2	3	4	5	6	7	8	9	9+15m	10	11	12

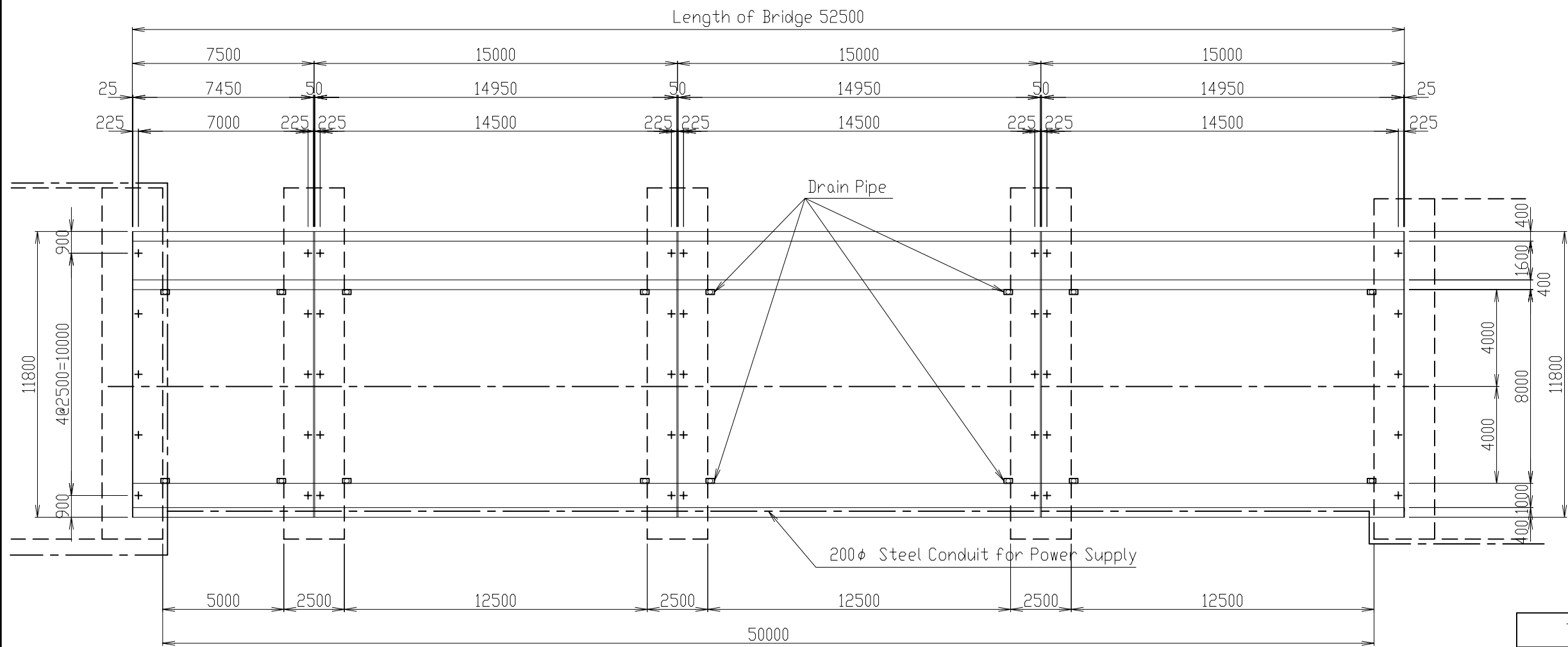
PROFILE

THE KINGDOM OF CAMBODIA		
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM		
TITLE OF DRAWING		
HEADWORKS		
ROAD ALIGNMENT DESIGN TO NATIONAL ROAD		
DATE	DRAWING NO.	2-16
NIPPON KOEI CO., LTD., JAPAN		

# ROAD BRIDGE (1/3)



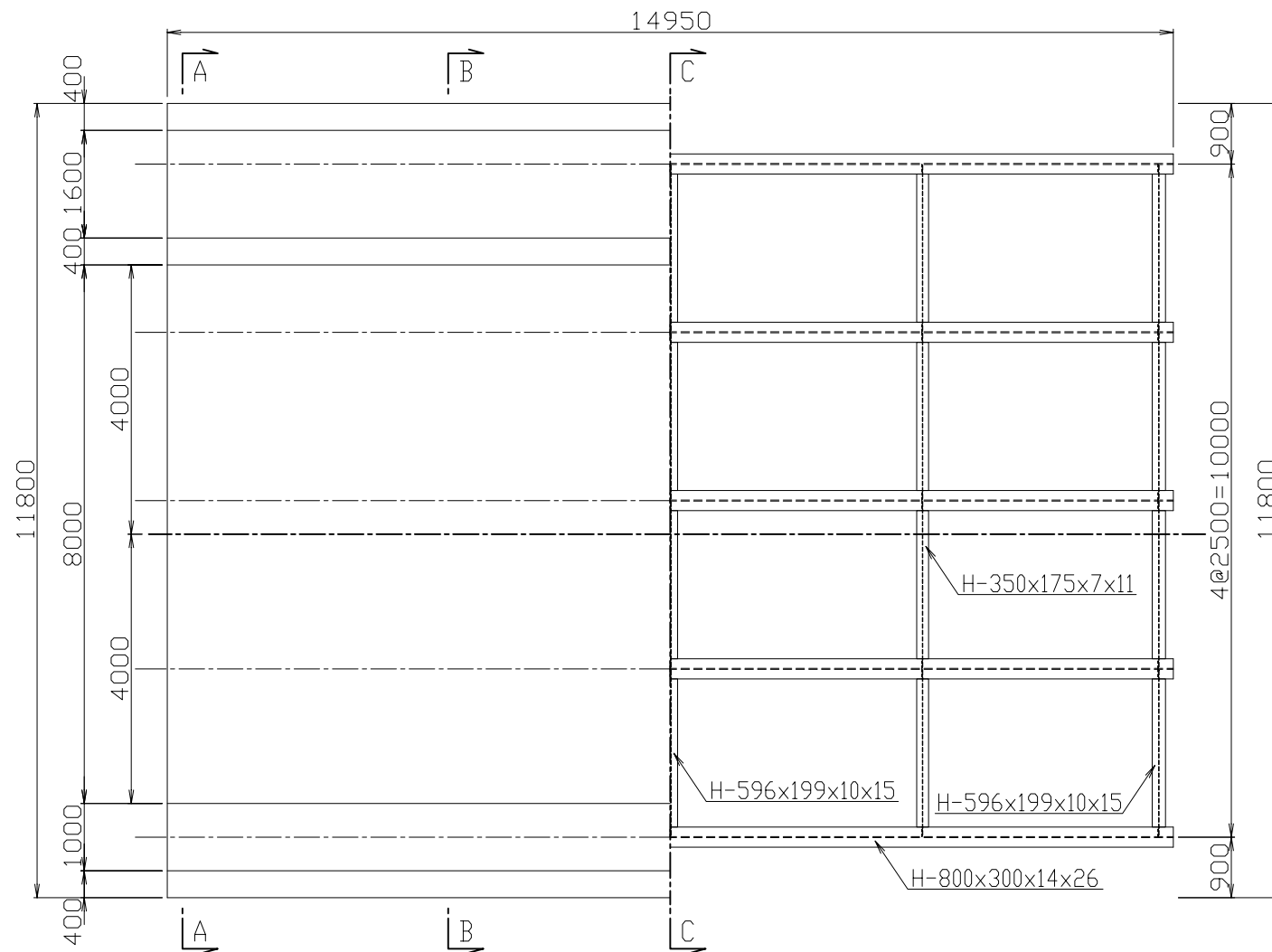
PROFILE S=1:200



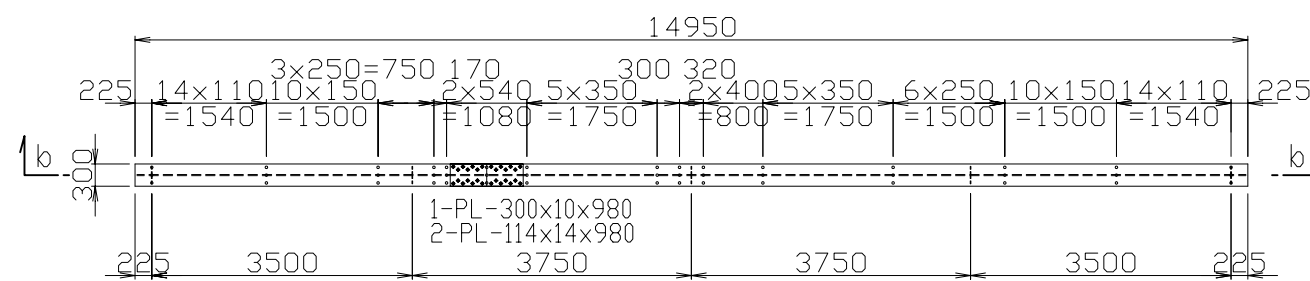
PLAN S=1:200

THE KINGDOM OF CAMBODIA		
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM		
TITLE OF DRAWING		
HEADWORKS ROAD BRIDGE(1/3)		
DATE	DRAWING NO.	2-17
NIPPON KOEI CO., LTD., JAPAN		

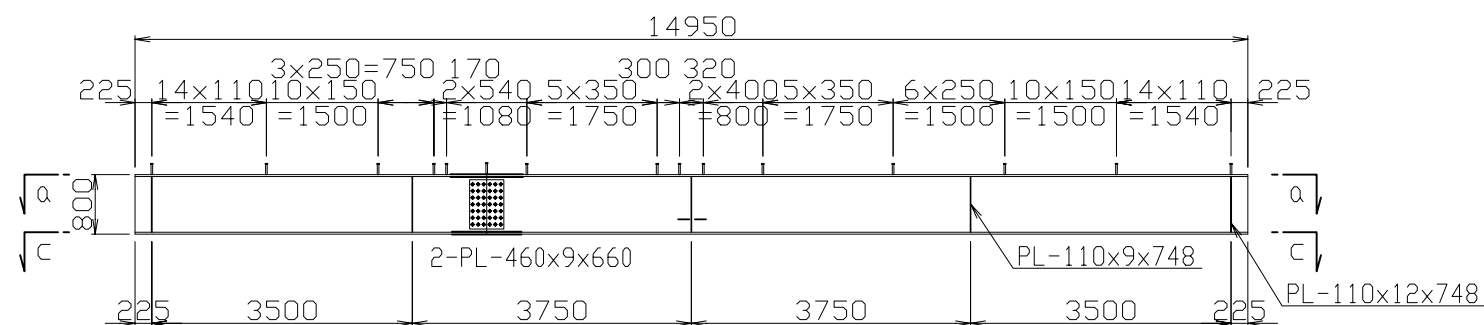
# ROAD BRIDGE (2/3)



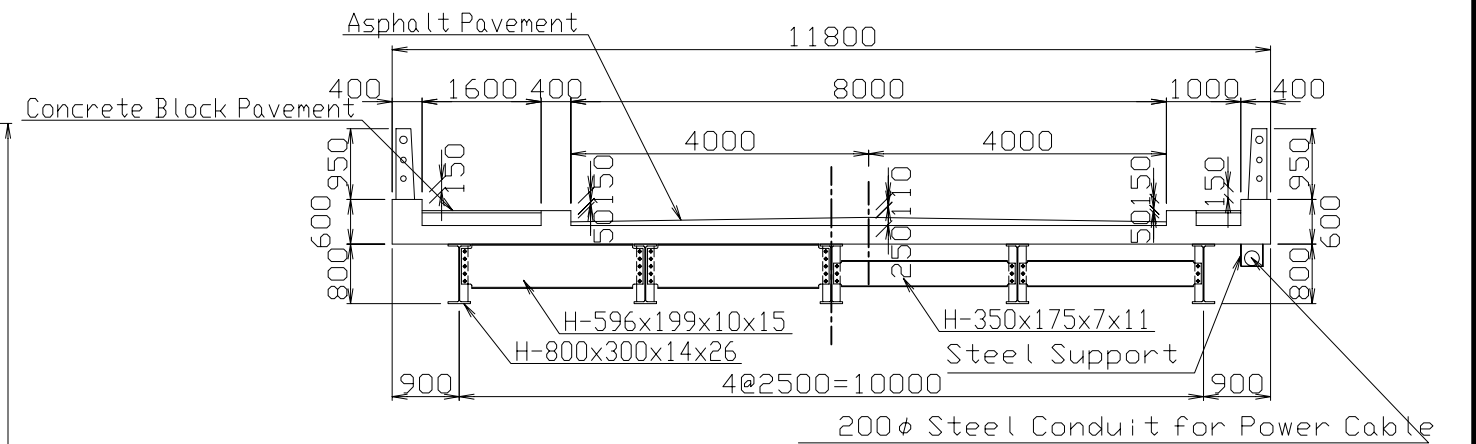
PLAN S=1: 100



SECTION a-a S=1: 100

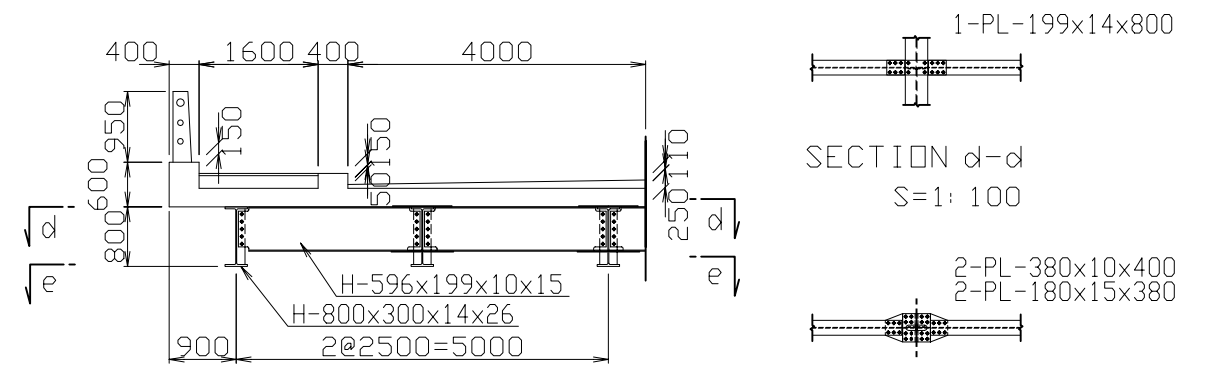


SECTION b-b S=1: 100



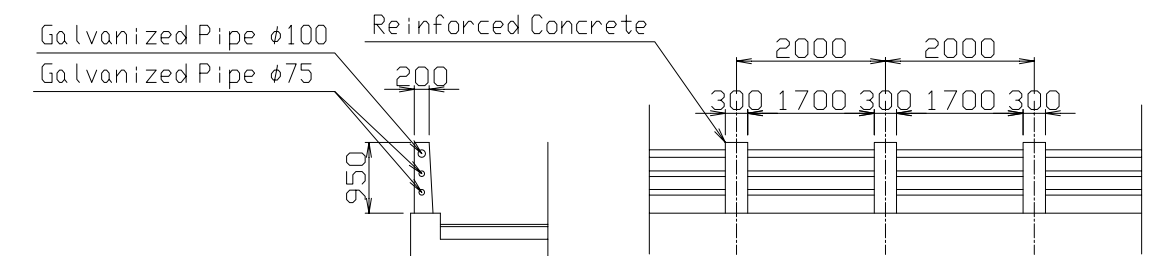
SECTION A-A  
S=1: 100

SECTION B-B  
S=1: 100

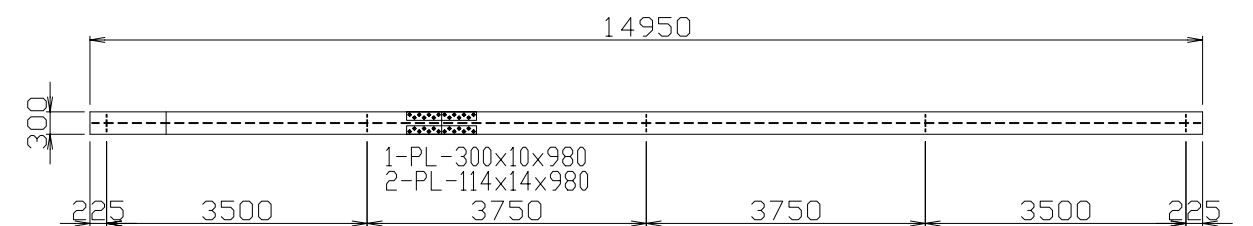


SECTION C-C  
S=1: 100

SECTION d-d  
S=1: 100



DETAILS OF RAILING S=1: 100

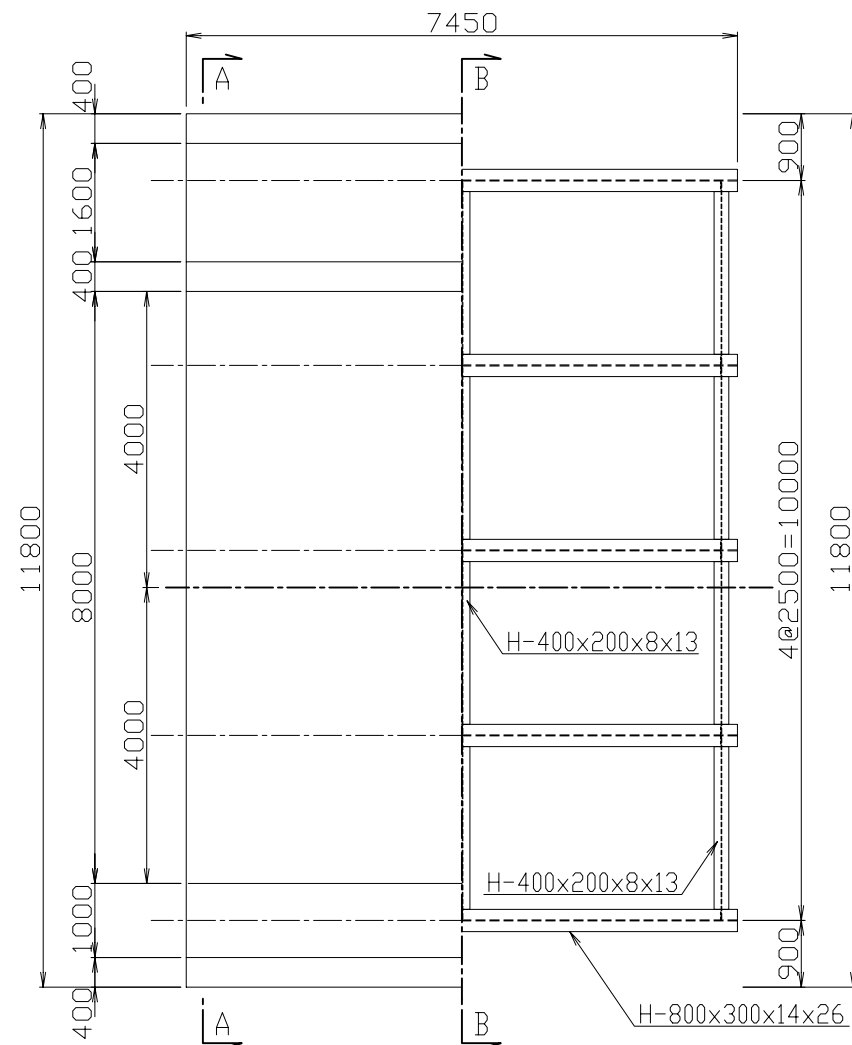


SECTION c-c S=1: 100

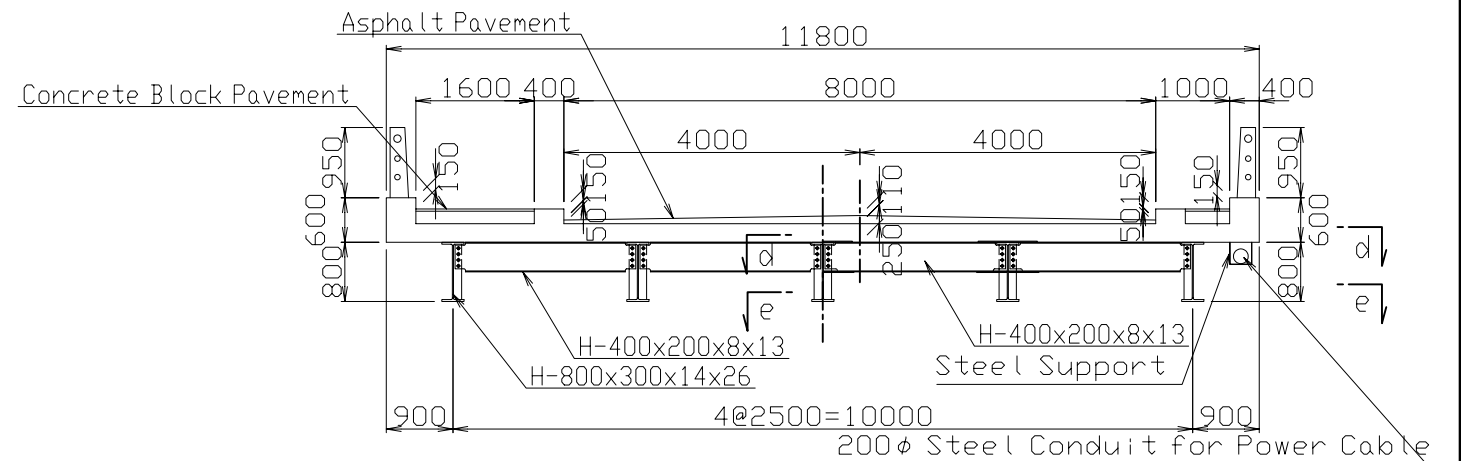
THE KINGDOM OF CAMBODIA		
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM		
TITLE OF DRAWING HEADWORKS ROAD BRIDGE(2/3)		
DATE	DRAWING NO.	2-18
NIPPON KOEI CO., LTD., JAPAN		



# ROAD BRIDGE (3/3)

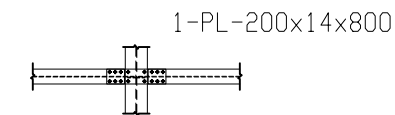


PLAN S=1: 100

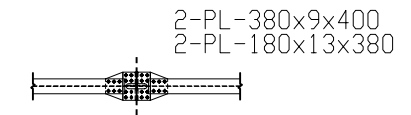


SECTION A-A  
S=1: 100

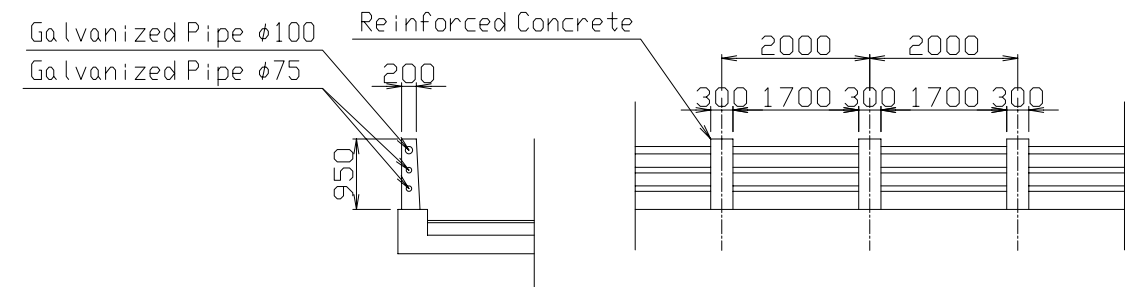
SECTION B-B  
S=1: 100



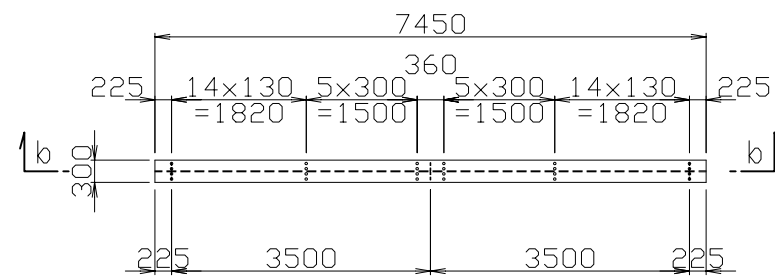
SECTION d-d  
S=1: 100



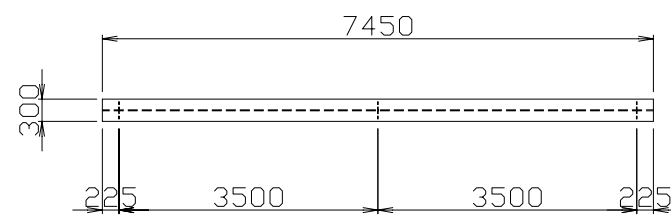
SECTION e-e  
S=1: 100



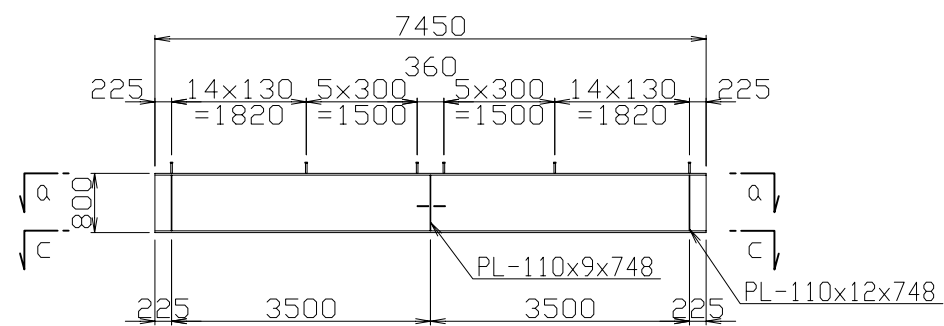
DETAILS OF RAILING S=1: 100



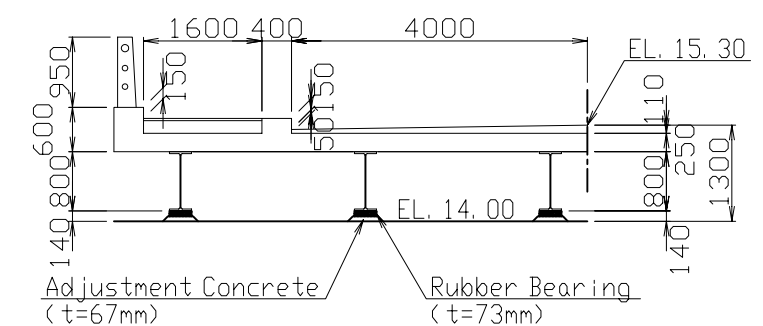
SECTION a-a S=1: 100



SECTION c-c S=1: 100



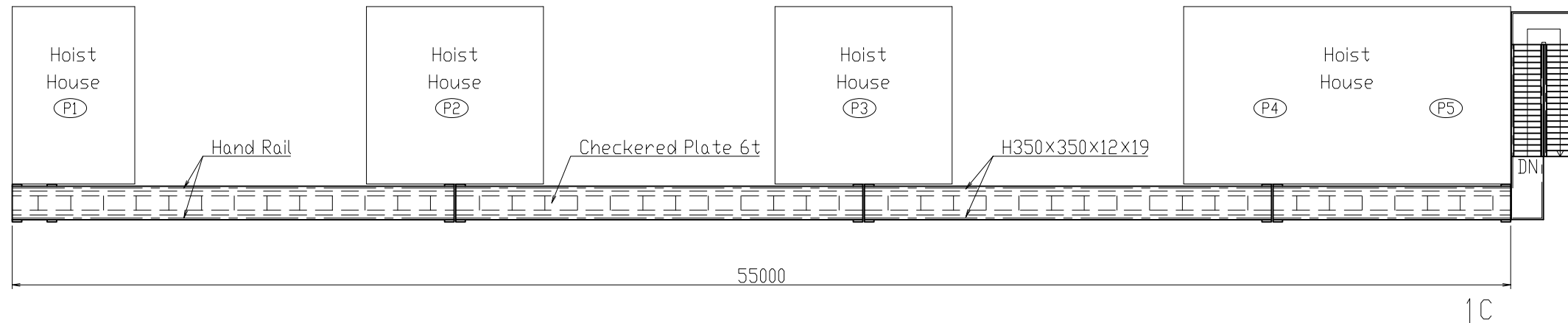
SECTION b-b S=1: 100



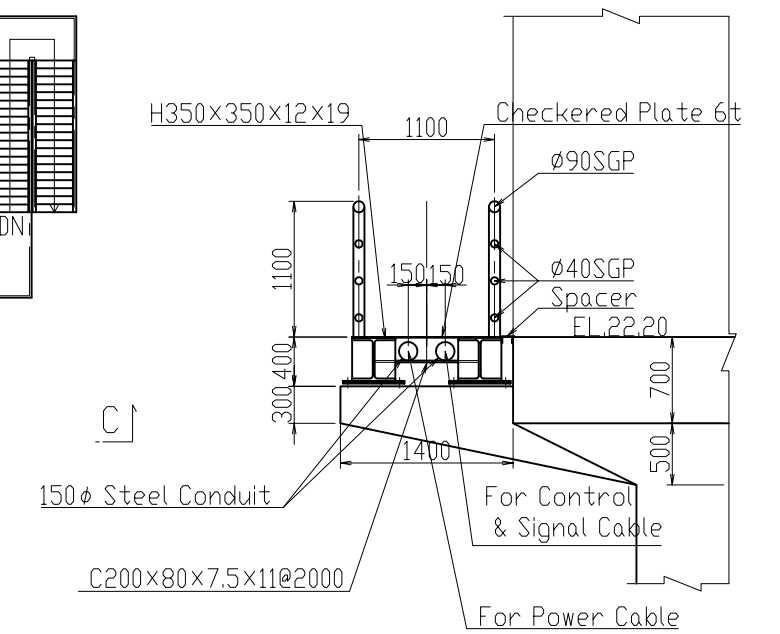
DETAILS OF LEVEL S=1: 100

THE KINGDOM OF CAMBODIA			
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM			
TITLE OF DRAWING HEADWORKS ROAD BRIDGE(3/3)			
DATE		DRAWING NO.	2-19
NIPPON KOEI CO., LTD., JAPAN			

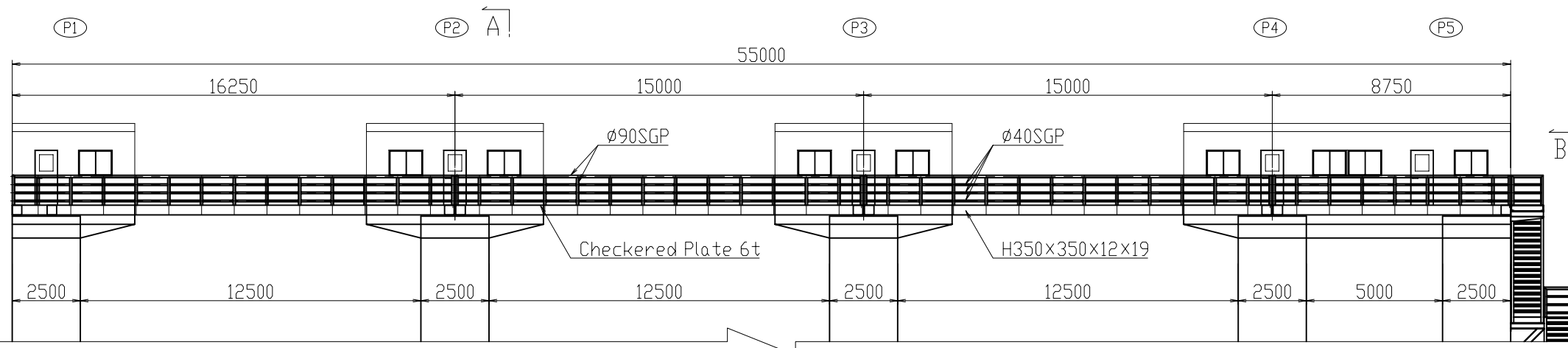
# OPERATION BRIDGE



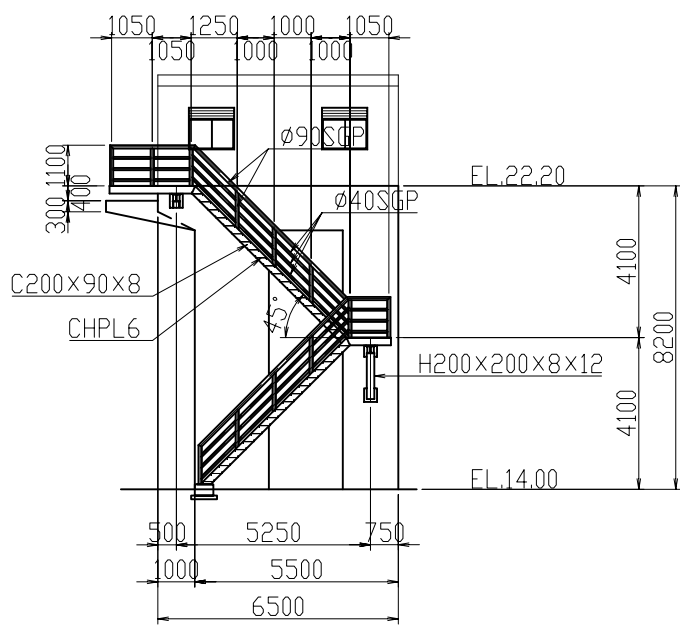
PLAN S=1:200



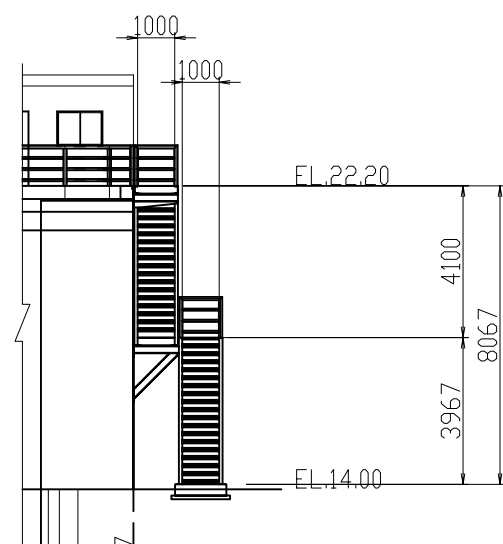
SECTION A-A S=1:60



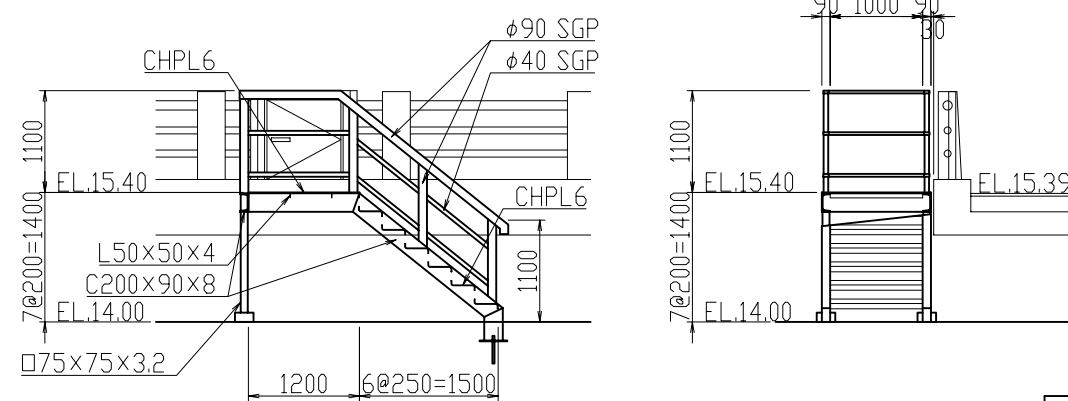
ELEVATION S=1:200



SECTION B-B S=1:200



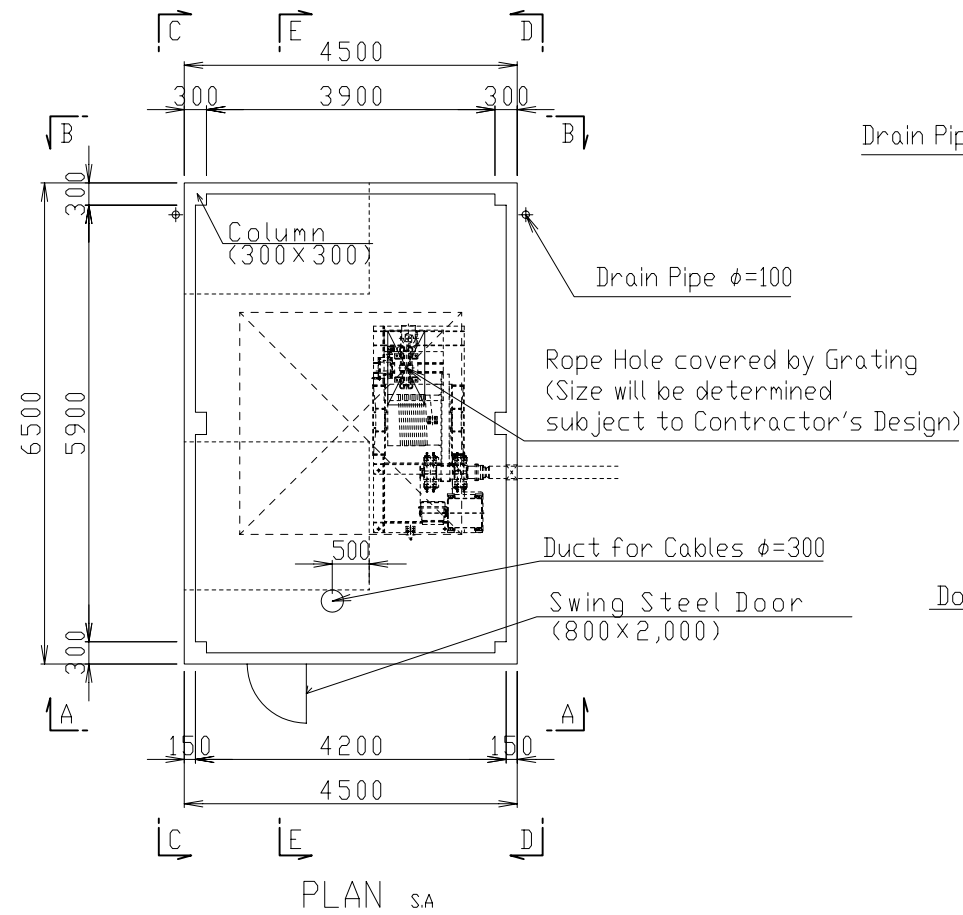
SECTION C-C S=1:200



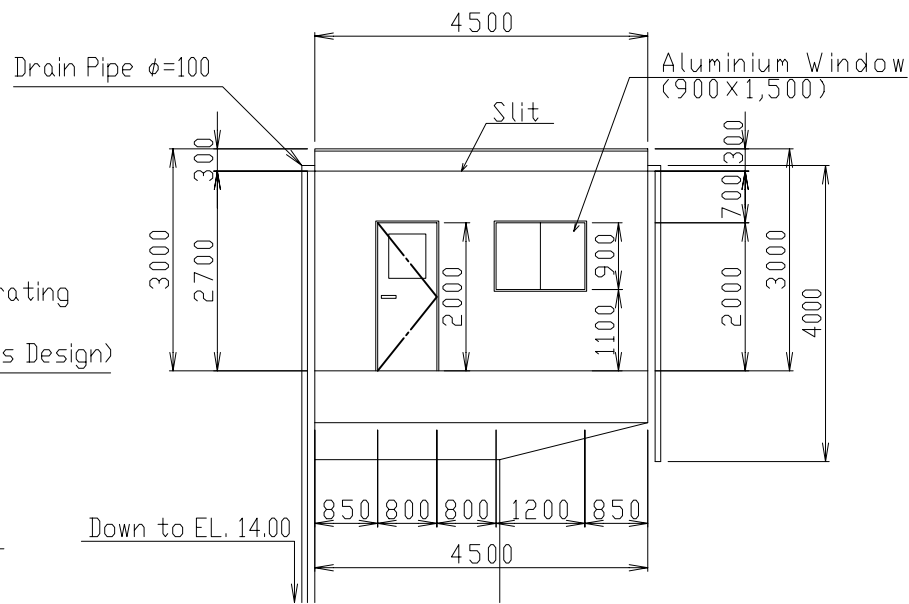
STAIRS FROM ROAD BRIDGE TO PIERS S=1:80

THE KINGDOM OF CAMBODIA		
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM		
TITLE OF DRAWING		
HEADWORKS OPERATION BRIDGE		
DATE	DRAWING NO.	2-20
NIPPON KOEI CO., LTD., JAPAN		

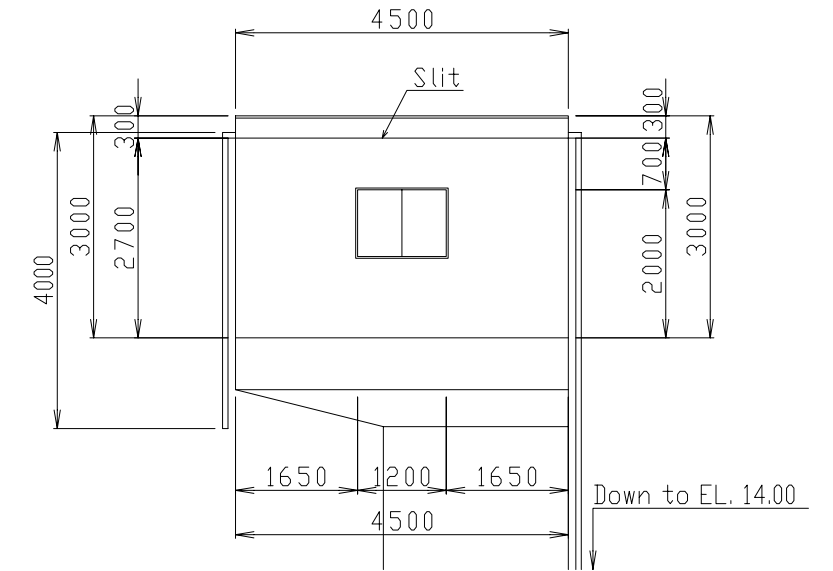
# HOIST HOUSE(1/4) (P1)



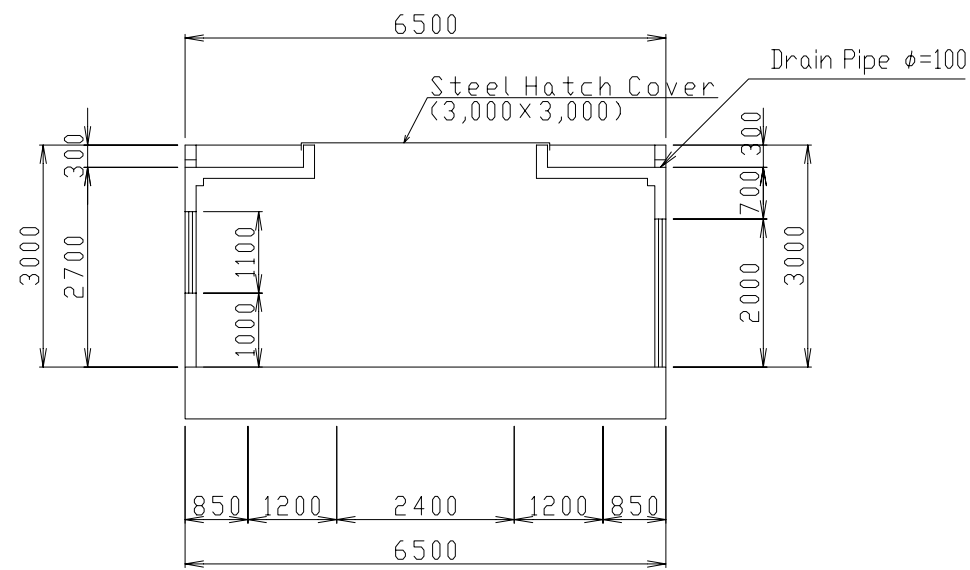
PLAN SA



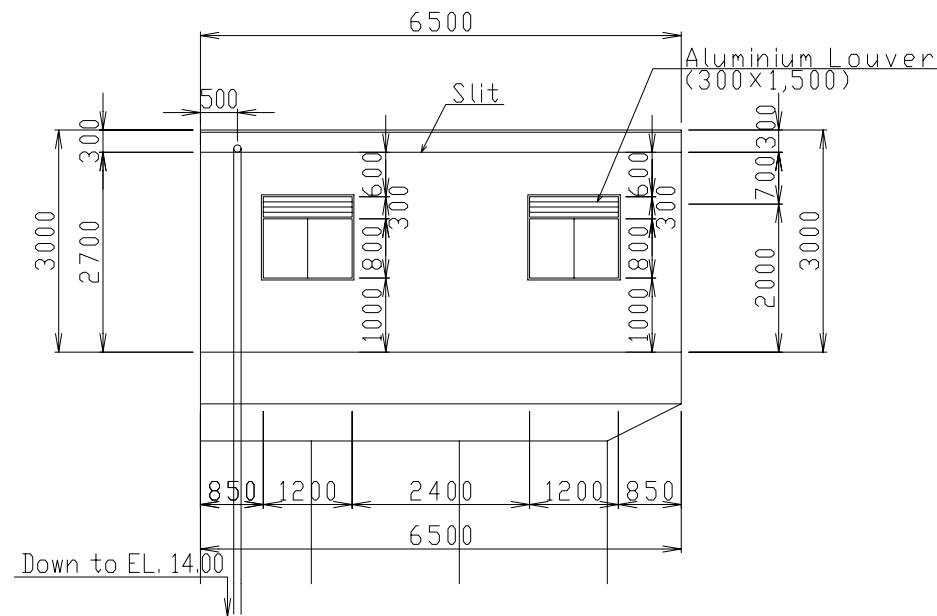
SECTION A-A SA



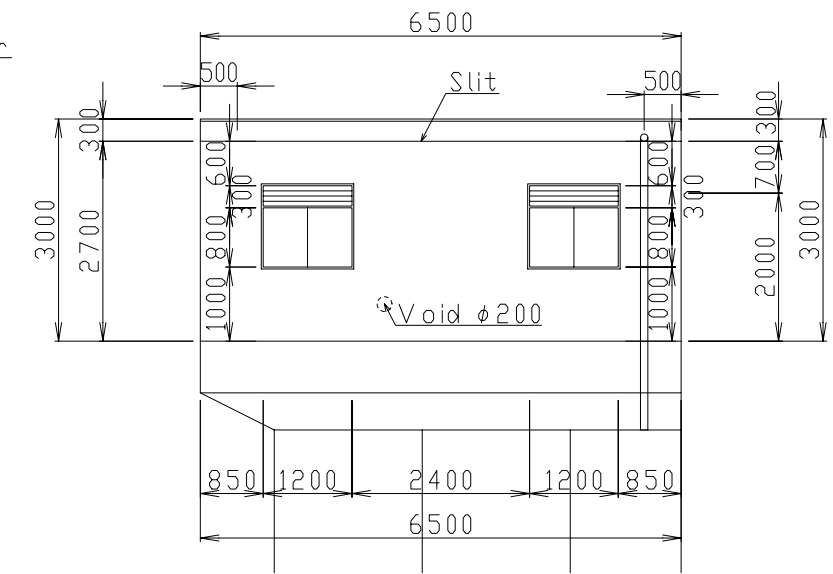
SECTION B-B SA



SECTION E-E SA

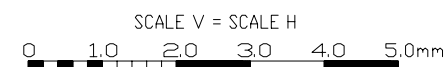


SECTION C-C SA



SECTION D-D SA

S.A  
(1/100)

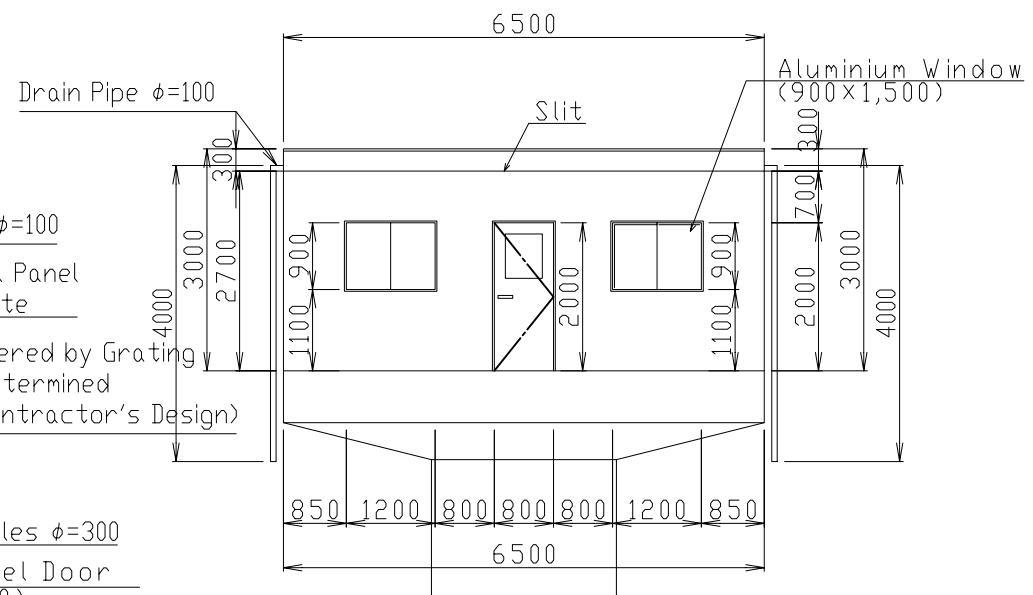
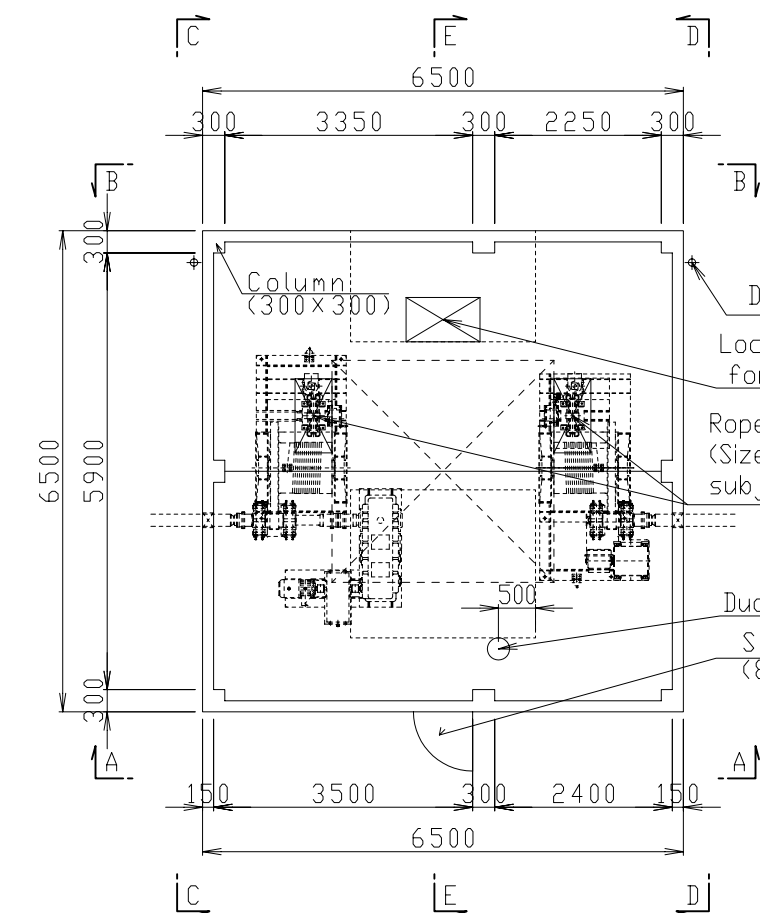


Note: Finishing Schedule

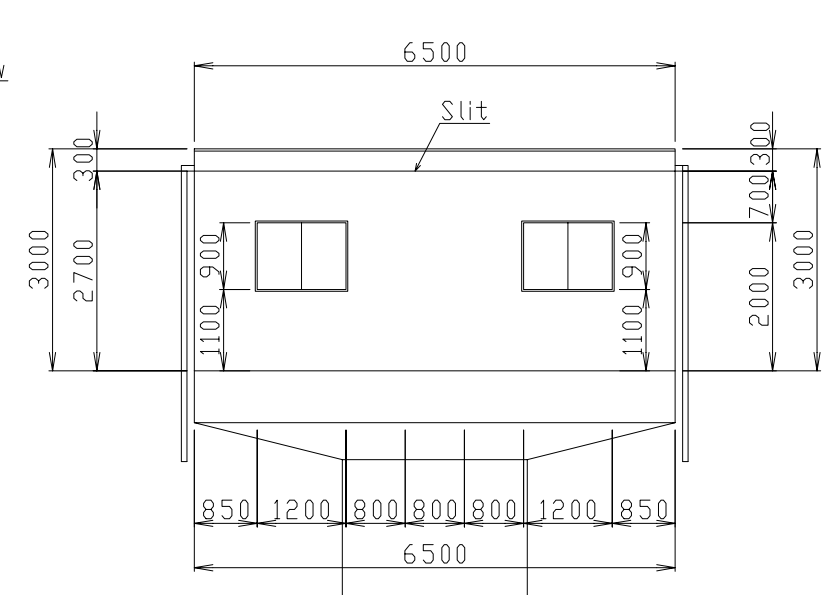
1. Exterior : Oil paint on cement mortar
2. Interior : Exposed
3. Door & Window
  - Door : Swing type steel door (800x2,000)
  - Window : Slide type aluminium window (1,200x900, 1,200x800)  
glass t=5mm with wire mesh
  - Louver : Aluminium louver (300x1,200) with insect net

THE KINGDOM OF CAMBODIA		
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM		
TITLE OF DRAWING HEADWORKS HOIST HOUSE(1/4)		
DATE	DRAWING NO.	2-21
NIPPON KOEI CO., LTD., JAPAN		

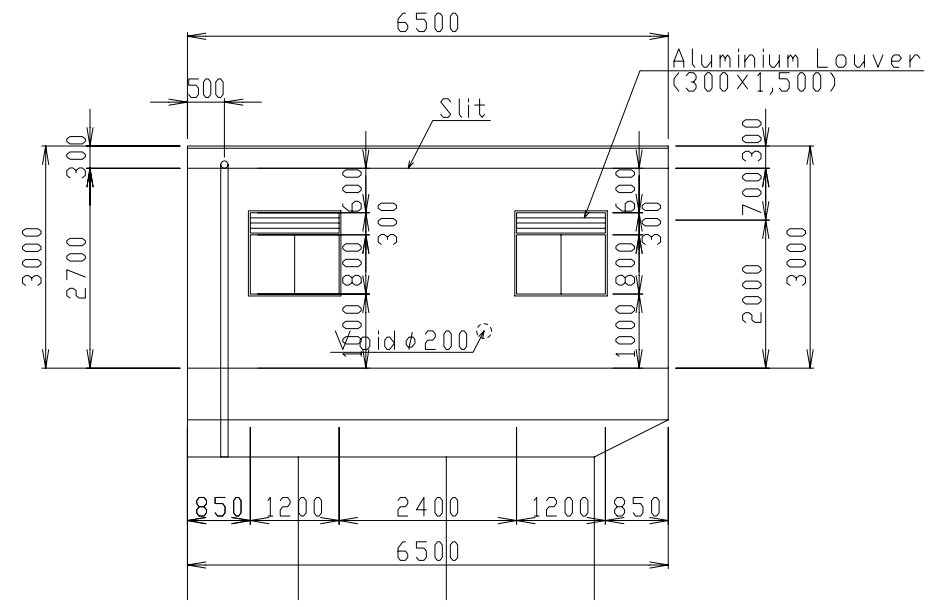
# HOIST HOUSE (2/4) (P2&P3)



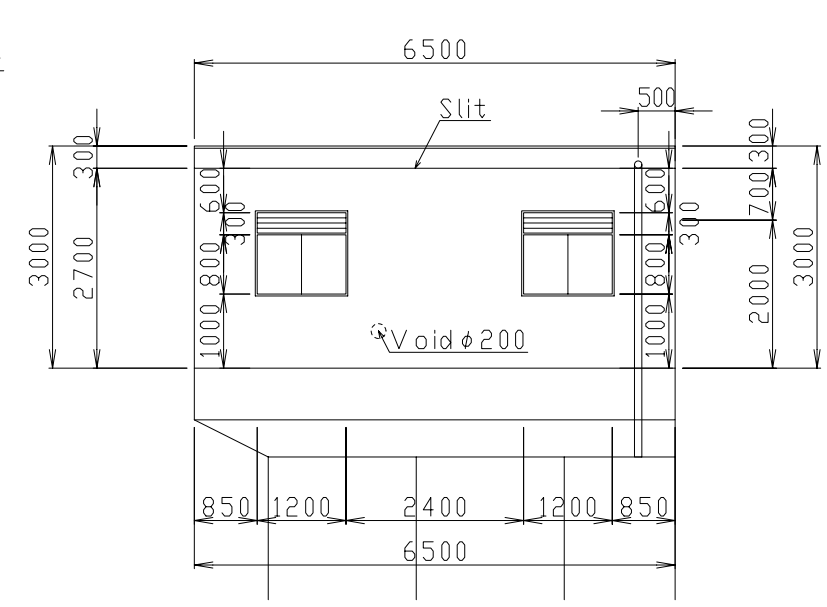
SECTION A-A SA



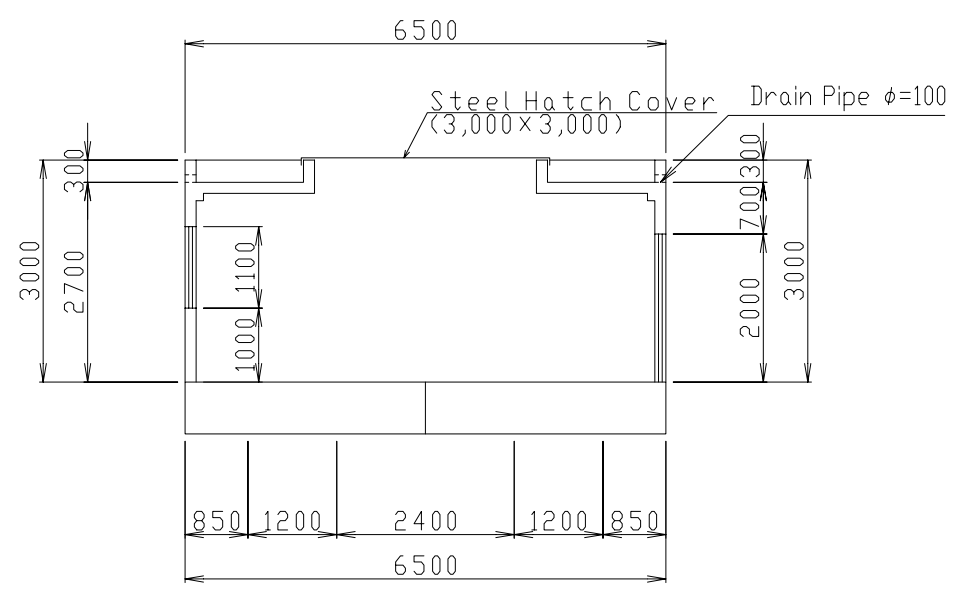
SECTION B-B SA



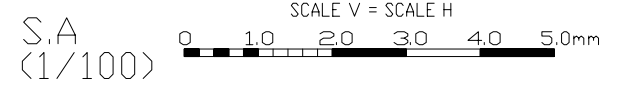
SECTION C-C SA



SECTION D-D SA



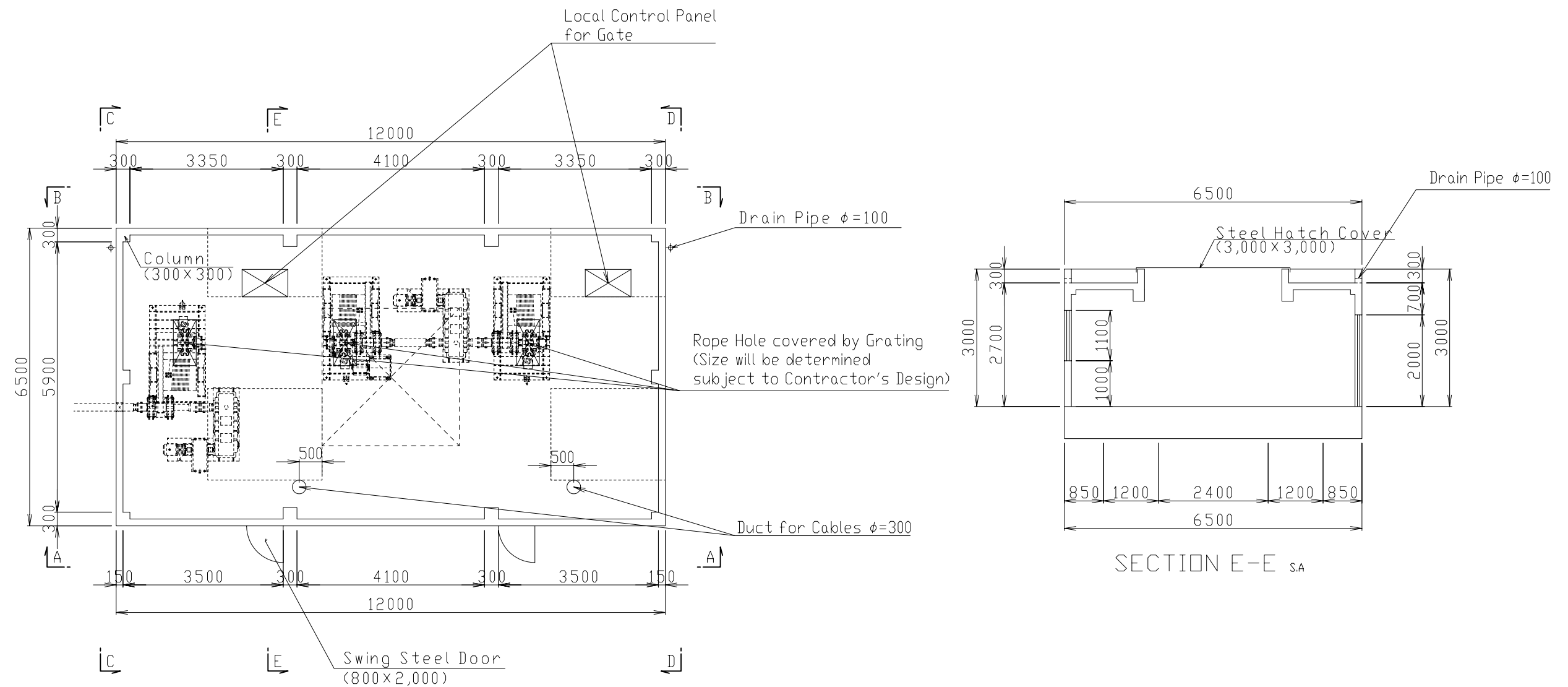
SECTION E-E SA



- Note: Finishing Schedule
1. Exterior : Oil paint on cement mortar
  2. Interior : Exposed
  3. Door & Window
    - Door : Swing type steel door (800x2,000)
    - Window : Slide type aluminium window (1,200x900, 1,200x800)  
glass t=5mm with wire mesh
    - Louver : Aluminium louver (300x1,200) with insect net

THE KINGDOM OF CAMBODIA			
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM			
TITLE OF DRAWING HEADWORKS HOIST HOUSE (2/4)			
DATE		DRAWING NO.	2-22
NIPPON KOEI CO., LTD., JAPAN			

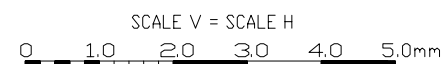
# HOIST HOUSE(3/4) (P4&P5)



### Note: Finishing Schedule

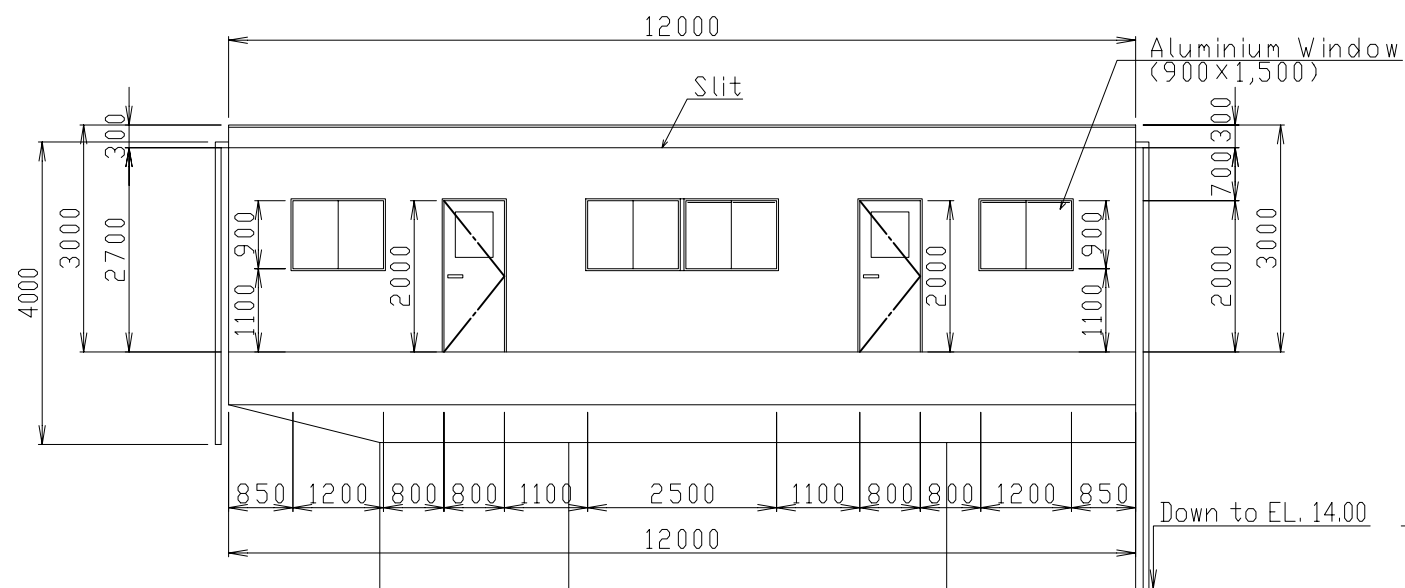
1. Exterior : Oil paint on cement mortar
2. Interior : Exposed
3. Door & Window
  - Door : Swing type steel door (800x2,000)
  - Window : Slide type aluminium window (2,500x900, 1,200x900, 1,200x800)  
glass t=5mm with wire mesh
  - Louwer : Aluminium louwer (300x1,200) with insect net

S.A  
(1/100)

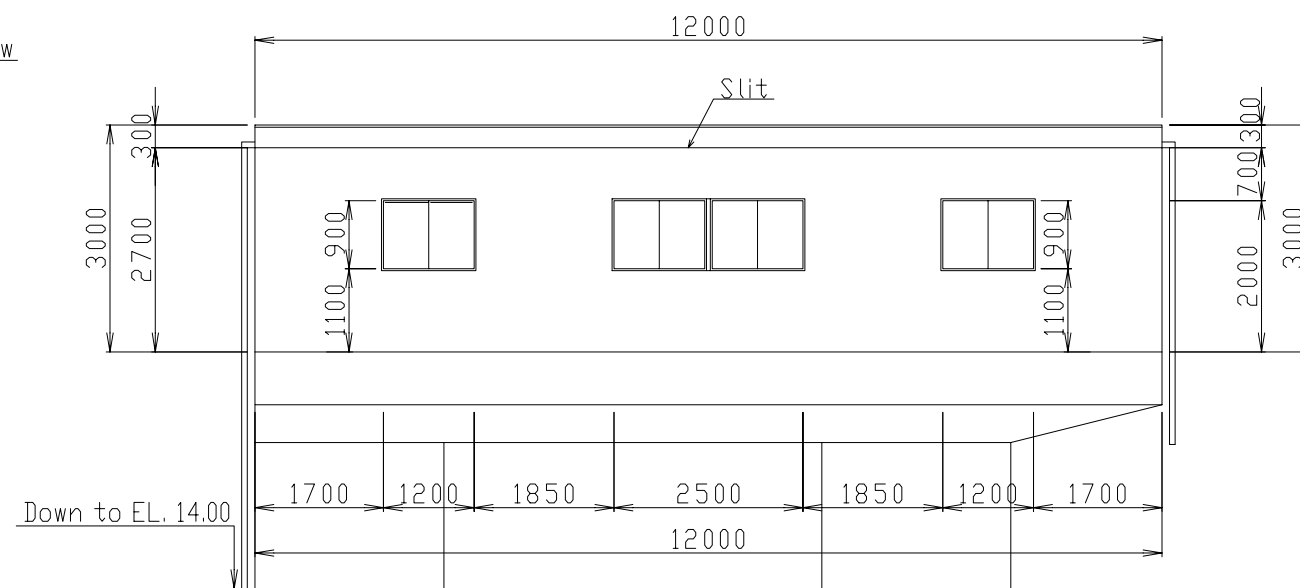


THE KINGDOM OF CAMBODIA			
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM			
TITLE OF DRAWING HEADWORKS HOIST HOUSE(3/4)			
DATE		DRAWING NO.	2-23
NIPPON KOEI CO., LTD., JAPAN			

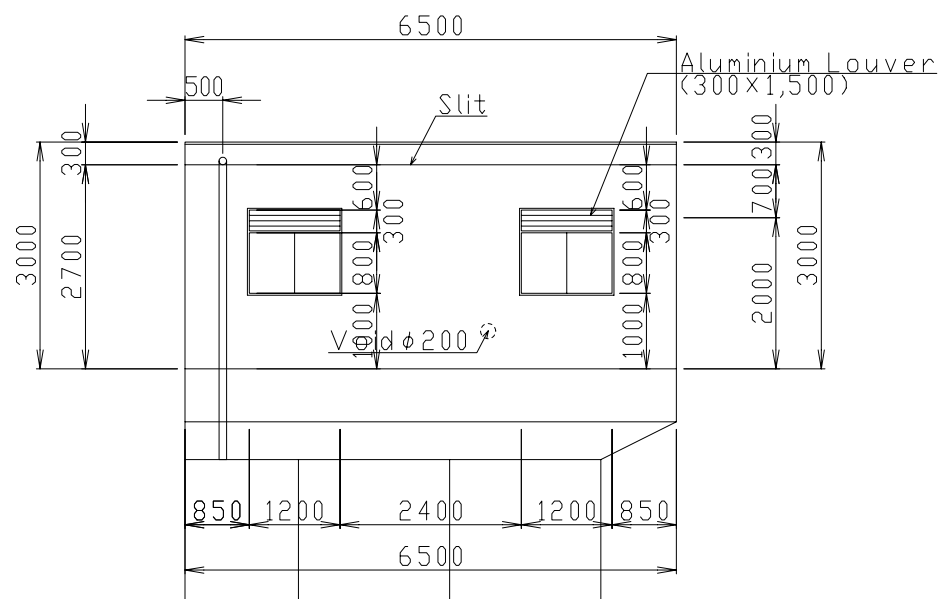
# HOIST HOUSE(4/4) (P4&P5)



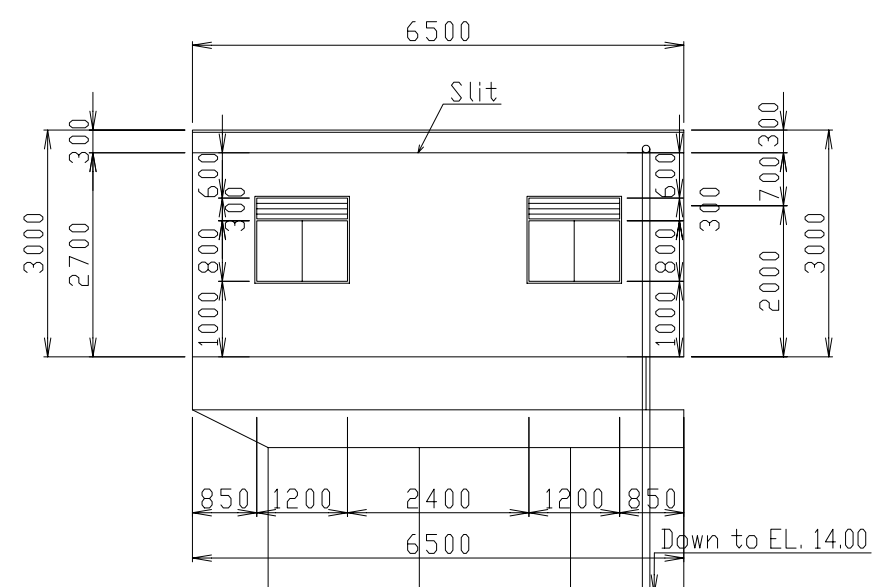
SECTION A-A<sub>SA</sub>



SECTION B-B<sub>SA</sub>

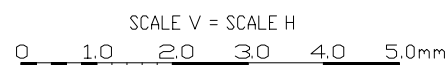


SECTION C-C<sub>SA</sub>



SECTION D-D<sub>SA</sub>

S.A  
(1/100)

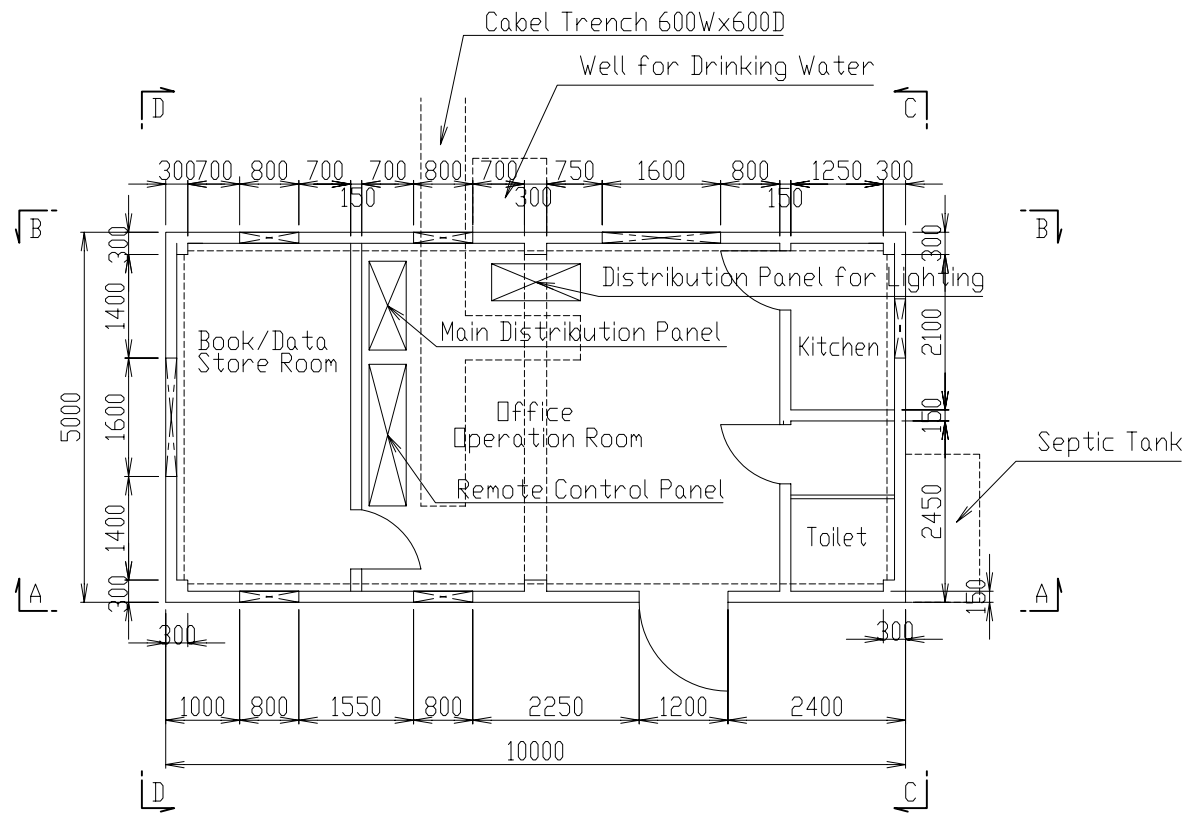


Note: Finishing Schedule

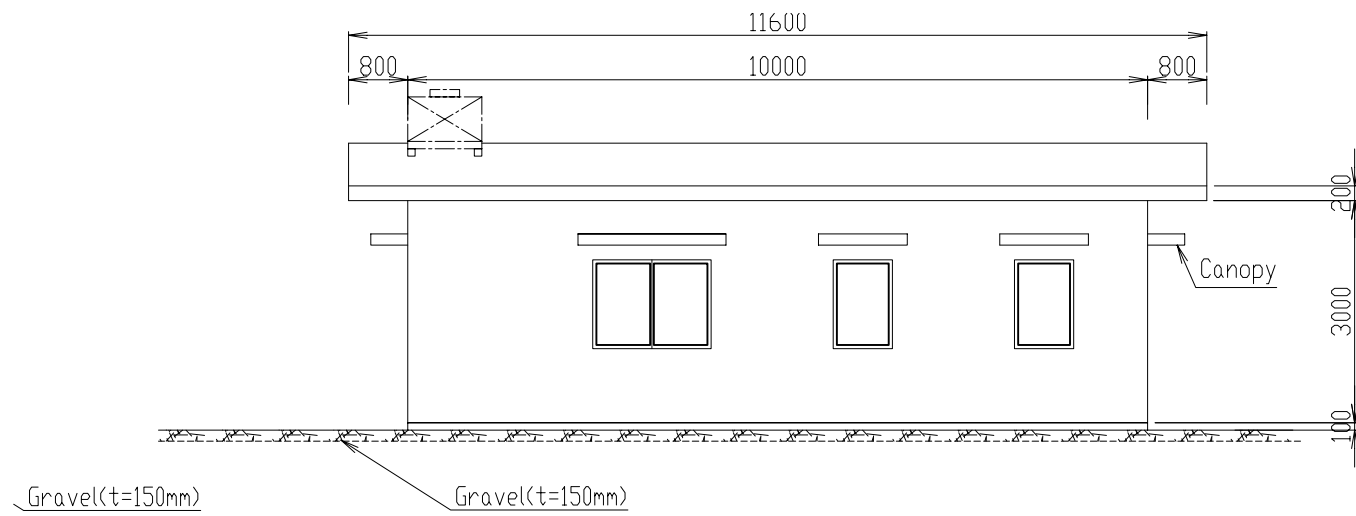
1. Exterior : Oil paint on cement mortar
2. Interior : Exposed
3. Door & Window
  - Door : Swing type steel door (800x2,000)
  - Window : Slide type aluminium window (2,500x900, 1,200x900, 1,200x800)  
glass t=5mm with wire mesh
  - Louver : Aluminium louver (300x1,200) with insect net

THE KINGDOM OF CAMBODIA		
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM		
TITLE OF DRAWING HEADWORKS HOIST HOUSE(4/4)		
DATE	DRAWING NO.	2-24
NIPPON KOEI CO., LTD., JAPAN		

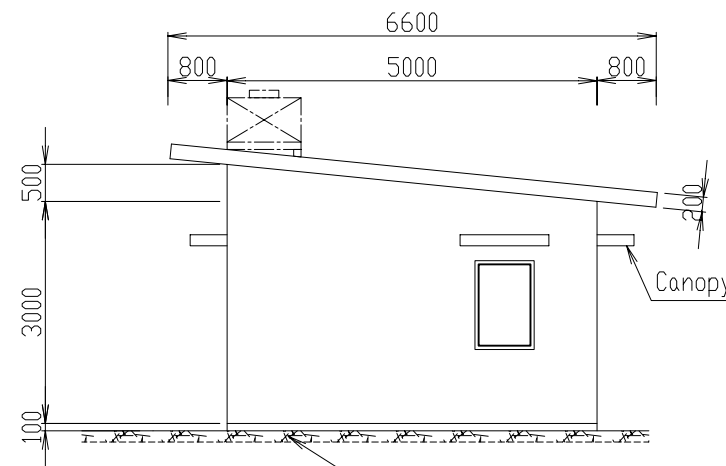
# CONTROL HOUSE



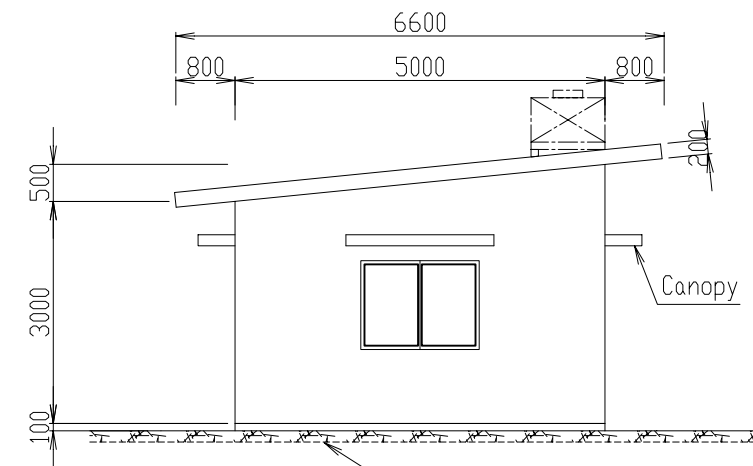
PLAN s.A



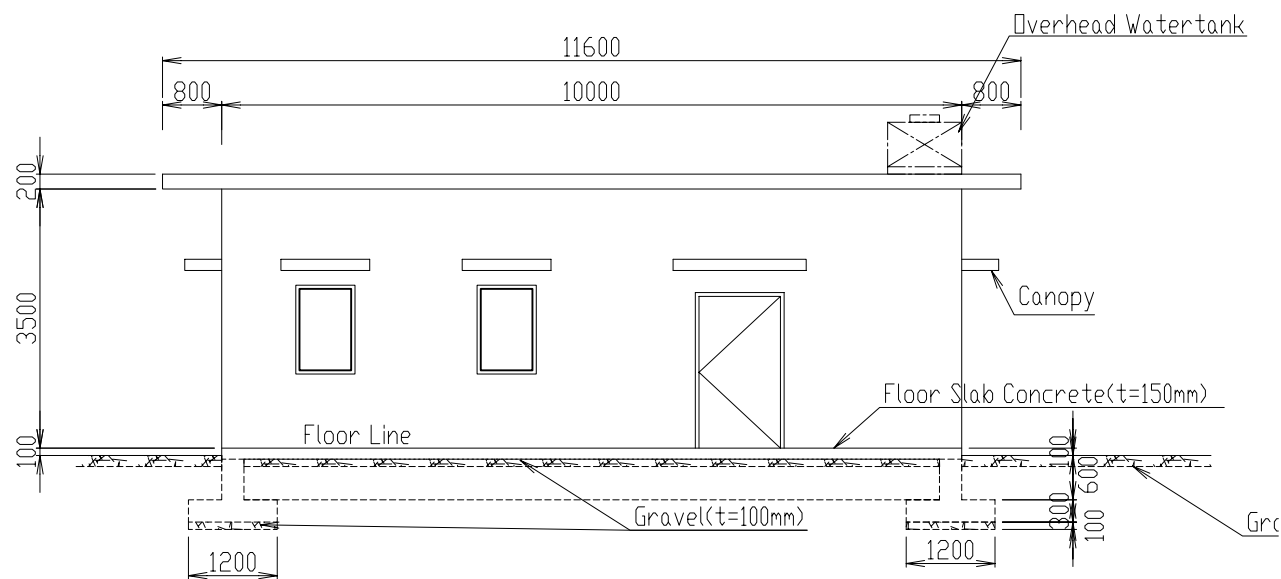
SECTION B-B s.A



SECTION C-C s.A



SECTION D-D s.A



SECTION A-A s.A

S.A  
(1/100)

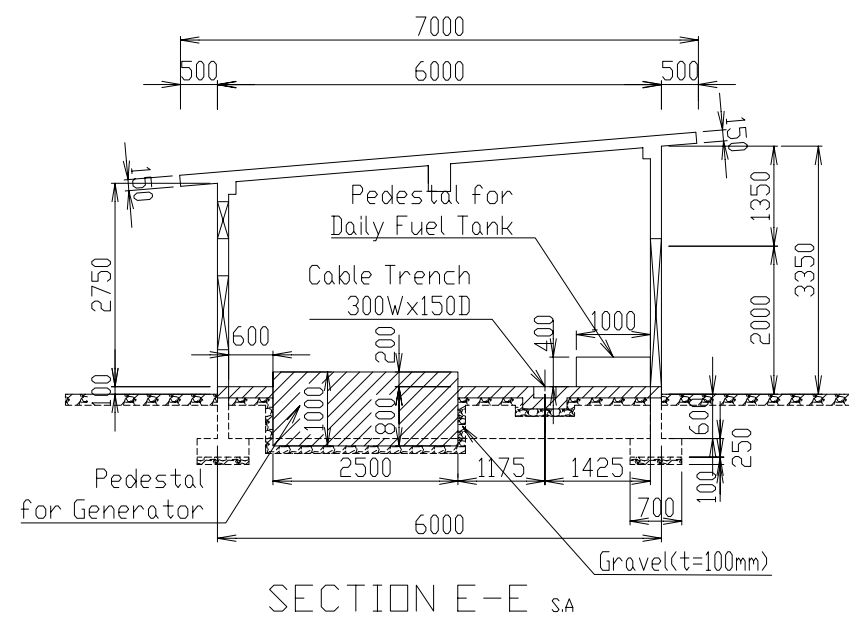
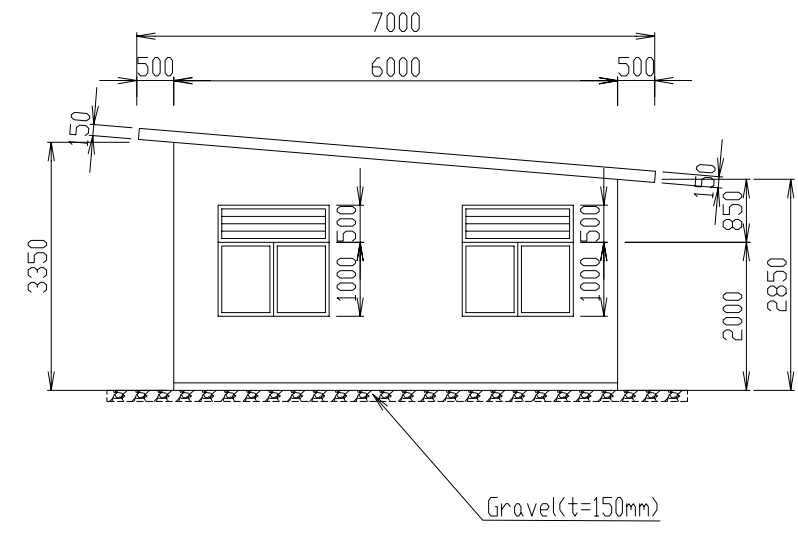
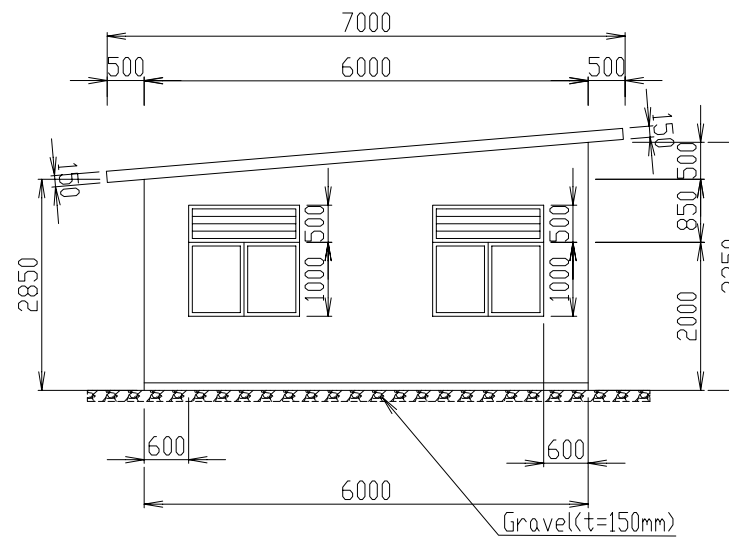
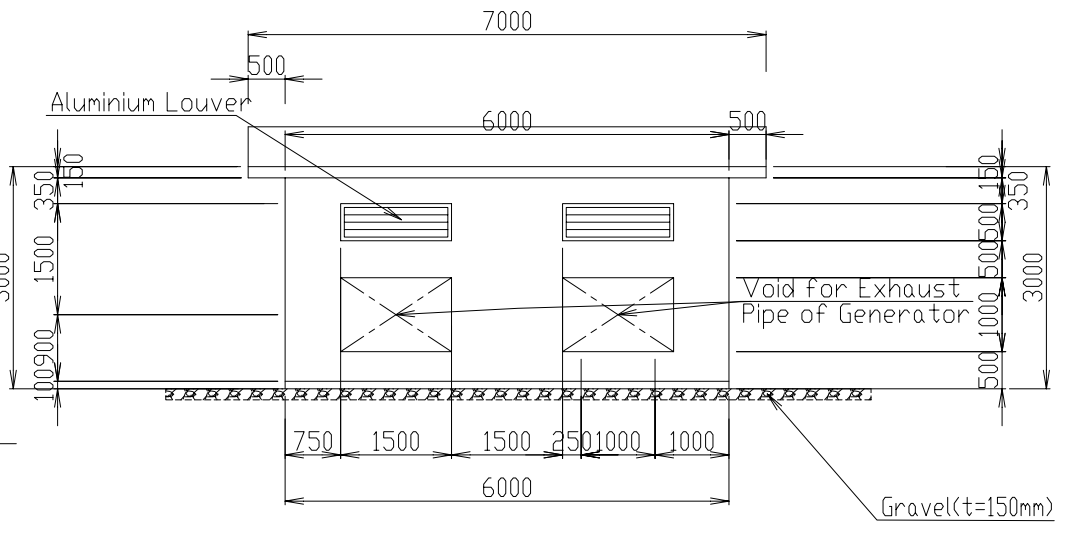
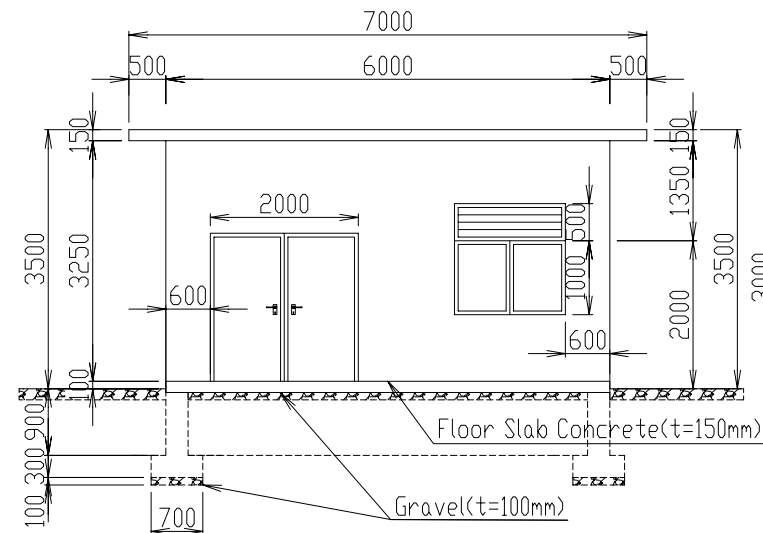
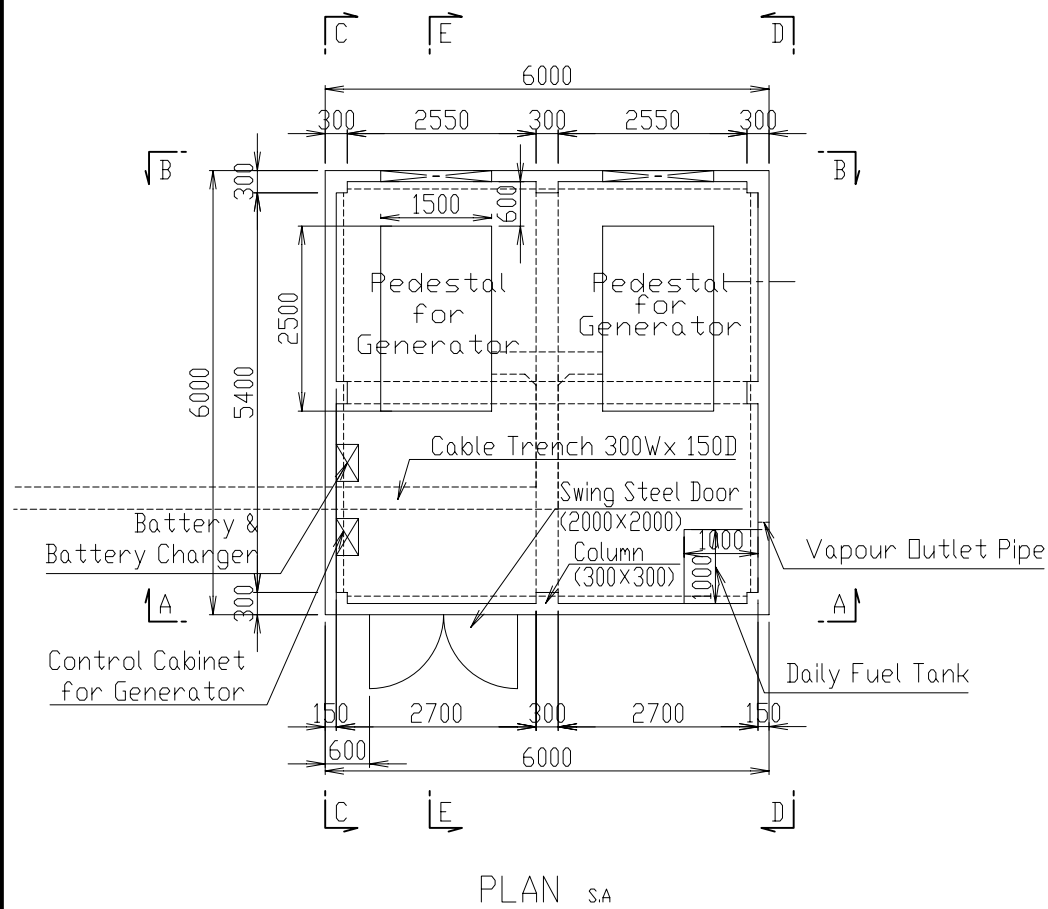
SCALE V = SCALE H  
0 1.0 2.0 3.0 4.0 5.0m

Note: Finishing Schedule

1. Exterior : Oil paint on cement mortar
2. Interior : Exposed
3. Door & Window
  - Door : Swing type steel door (1,200x2,000)
  - Window : Slide type aluminium window (1,500x1,000, 750x1,000)  
glass t=5mm with wire mesh

THE KINGDOM OF CAMBODIA		
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM		
TITLE OF DRAWING HEADWORKS CONTROL HOUSE		
DATE	DRAWING NO.	2-25
NIPPON KOEI CO., LTD., JAPAN		

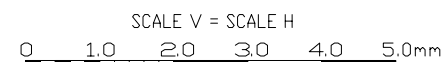
# GENERATOR HOUSE



Note: Finishing Schedule

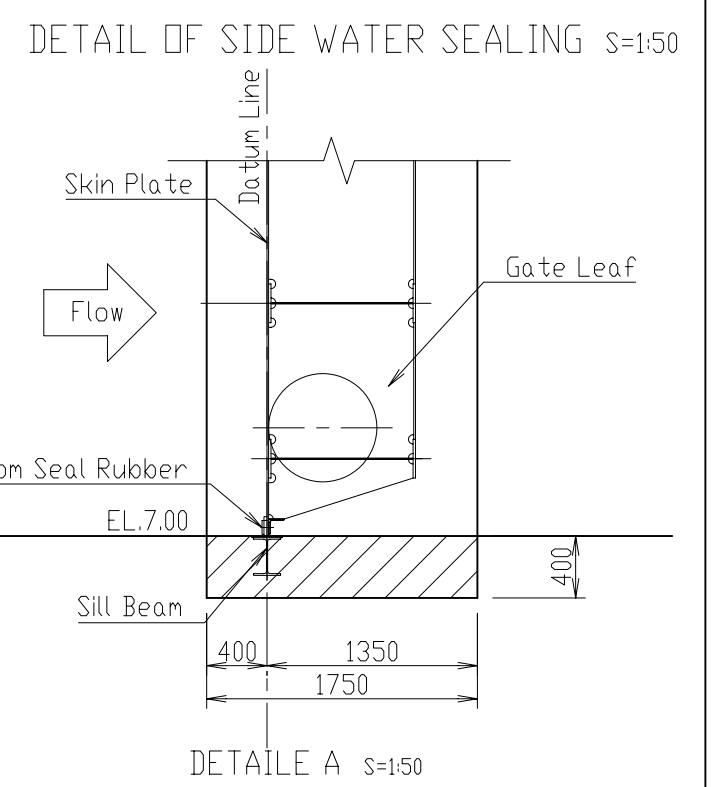
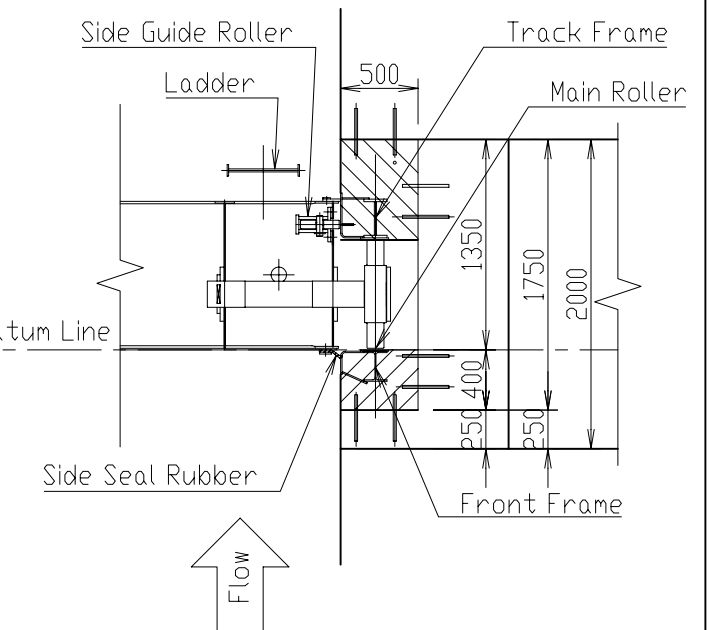
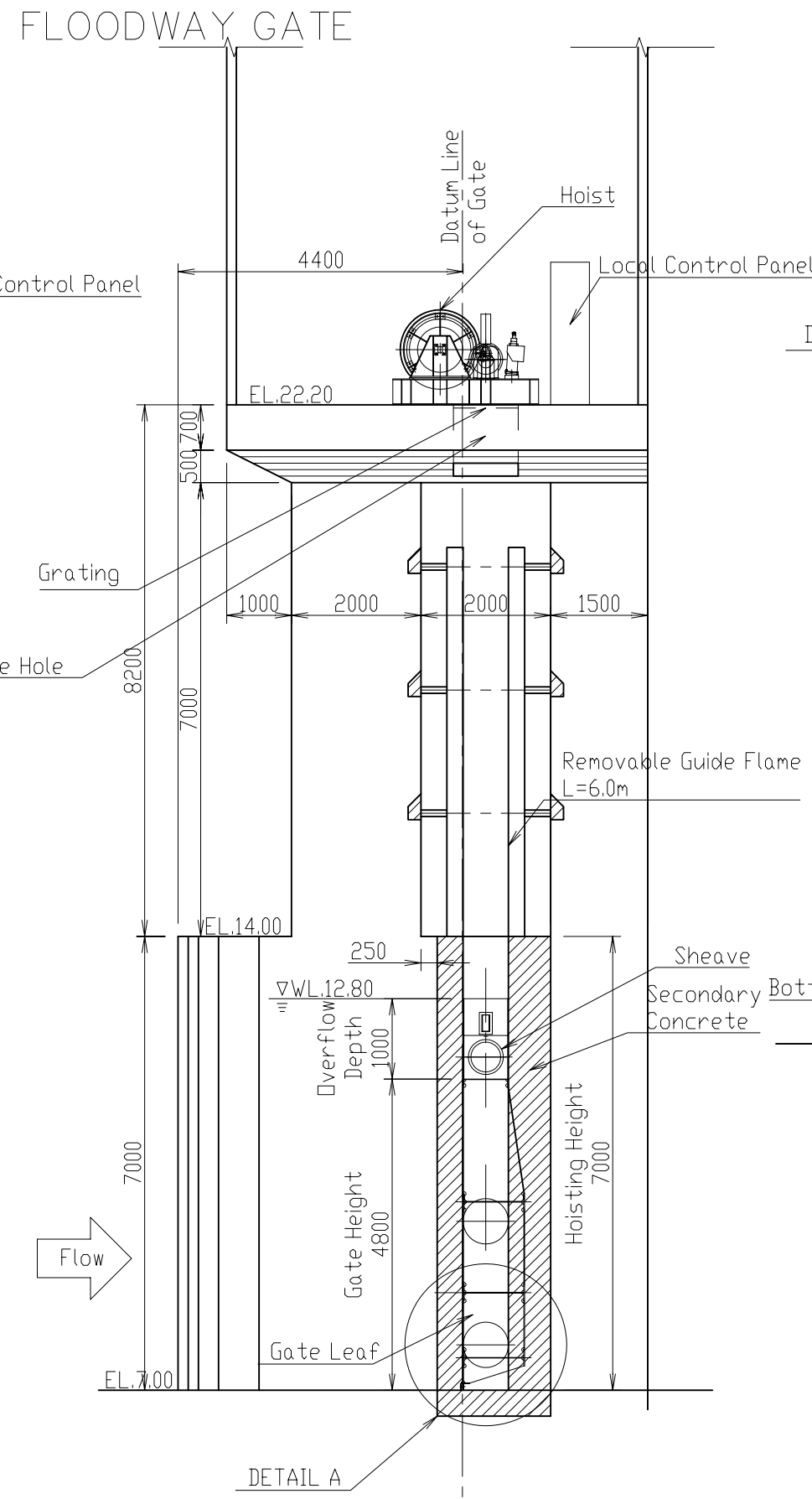
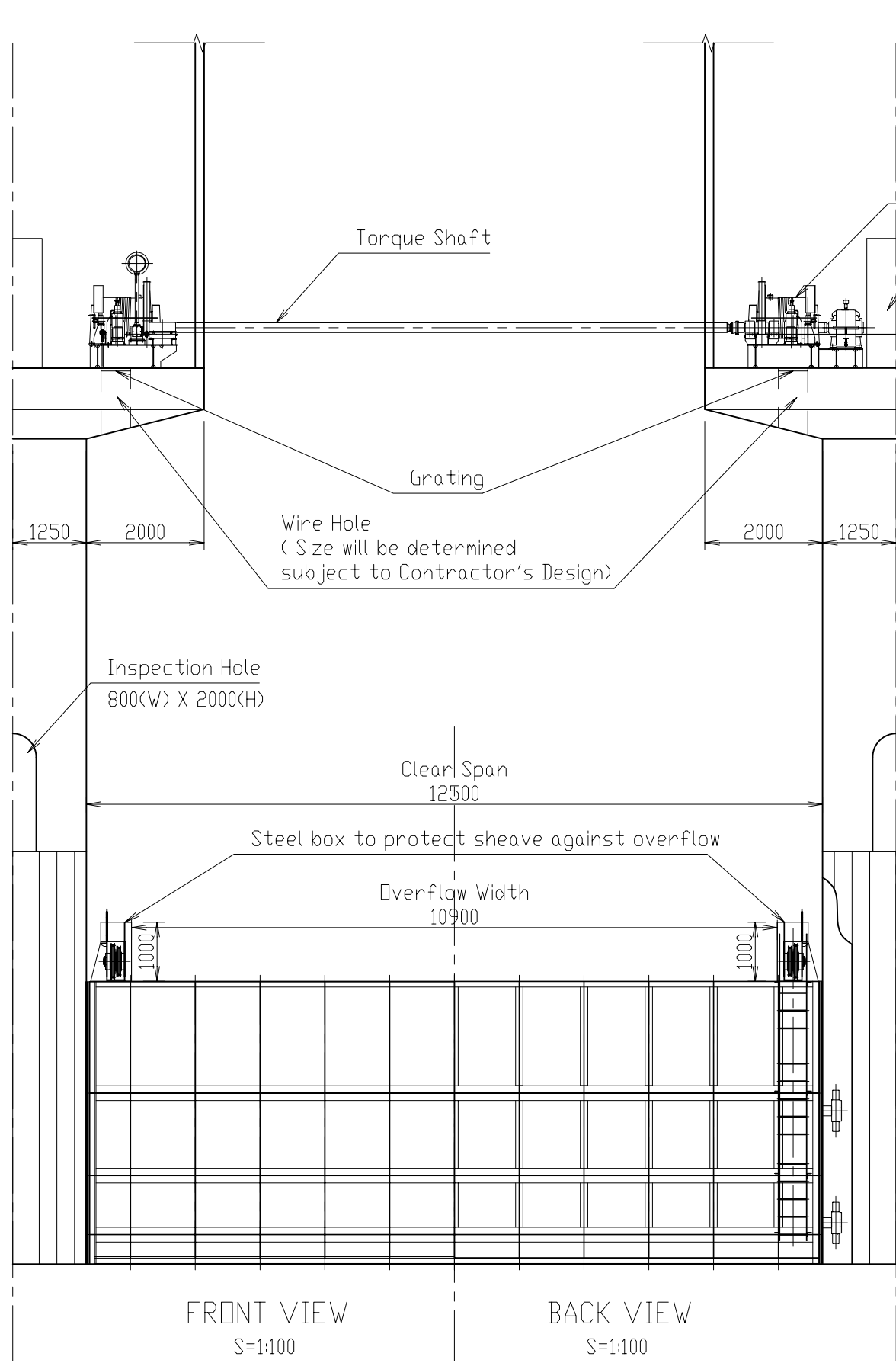
1. Exterior : Oil paint on cement mortar
2. Interior : Exposed
3. Door & Window
  - Door : Swing type steel door (2,000x2,000)
  - Window : Slide type aluminium window (1,500x1,000)  
glass t=5mm with wire mesh
  - Louver : Aluminium louver (500x1,500) with insect net

S.A  
(1/100)



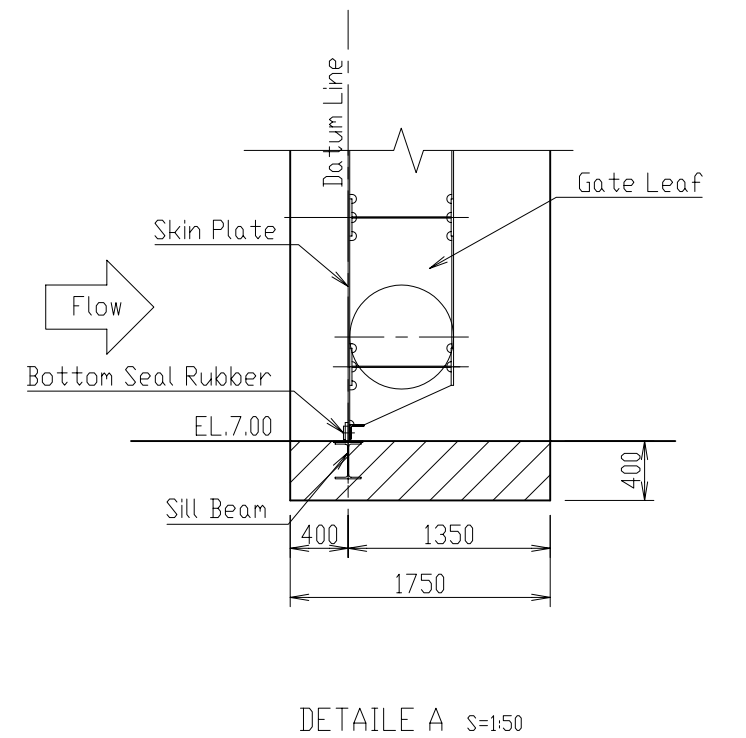
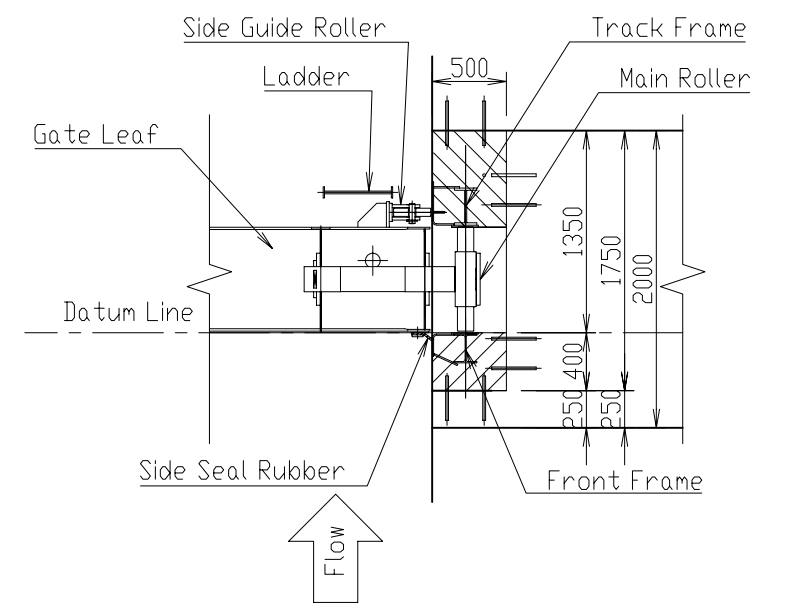
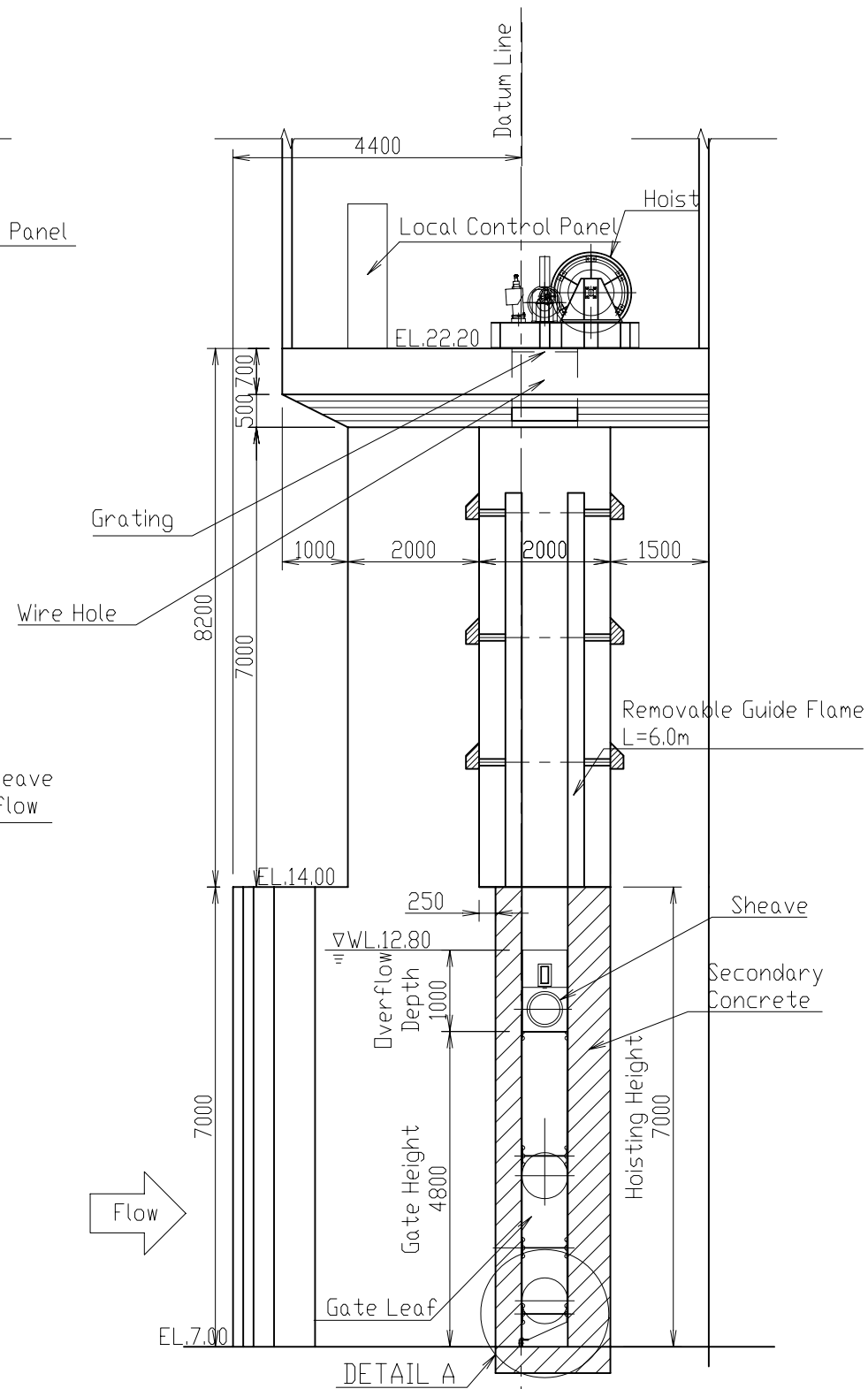
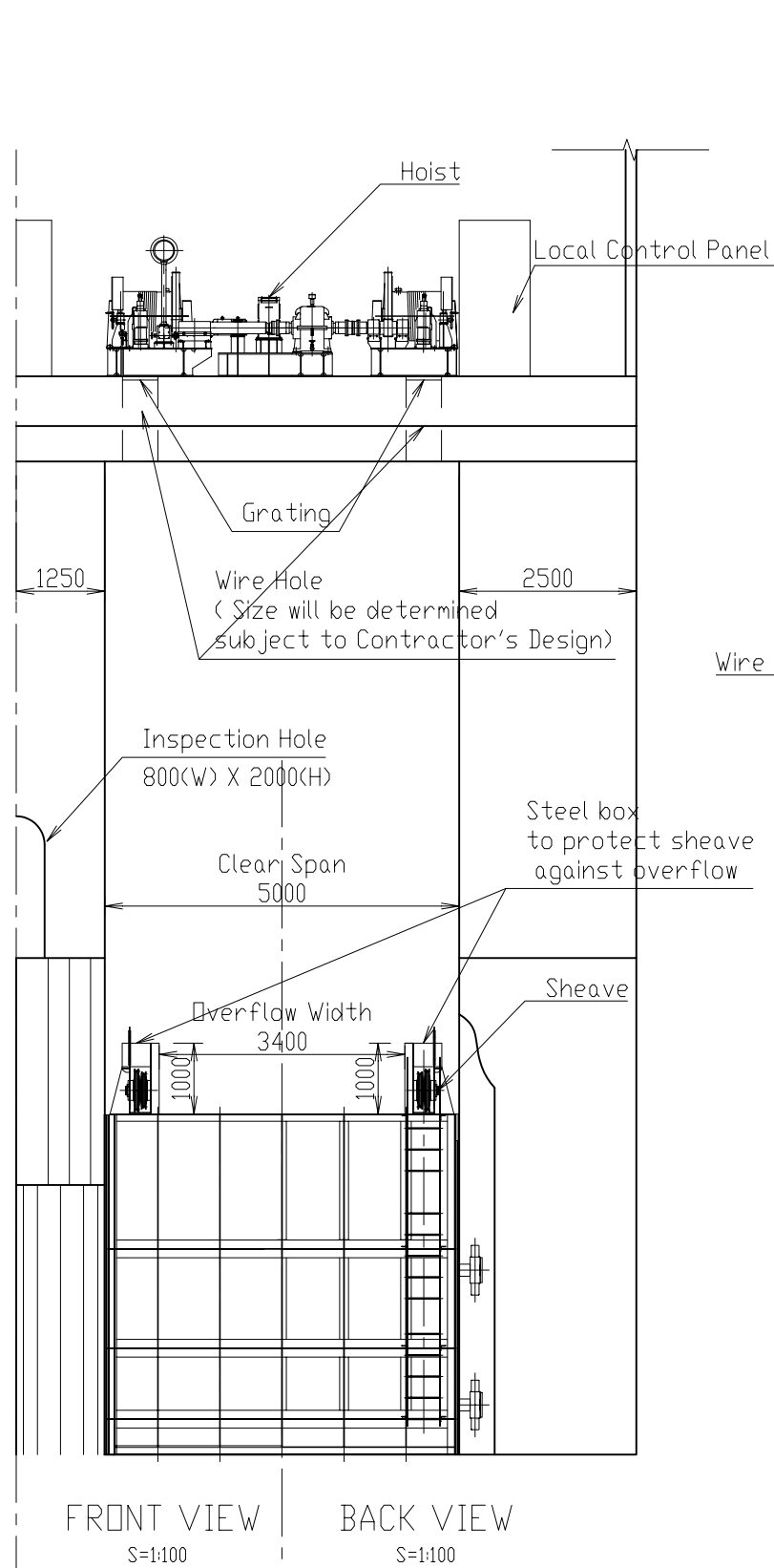
THE KINGDOM OF CAMBODIA		
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM		
TITLE OF DRAWING		
HEADWORKS GENERATOR HOUSE		
DATE	DRAWING NO.	2-26
NIPPON KOEI CO., LTD., JAPAN		





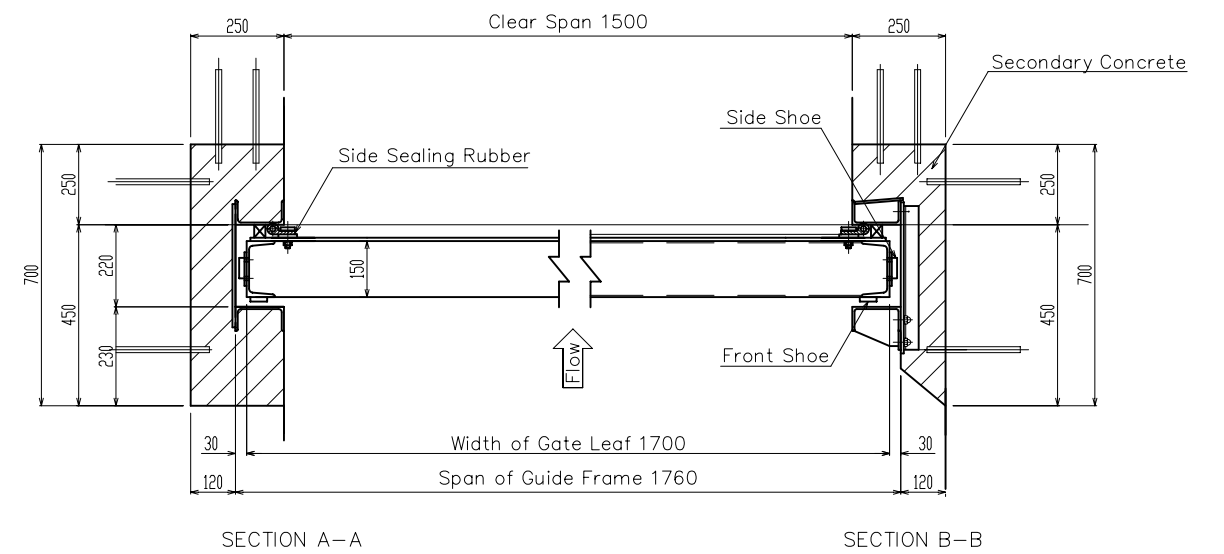
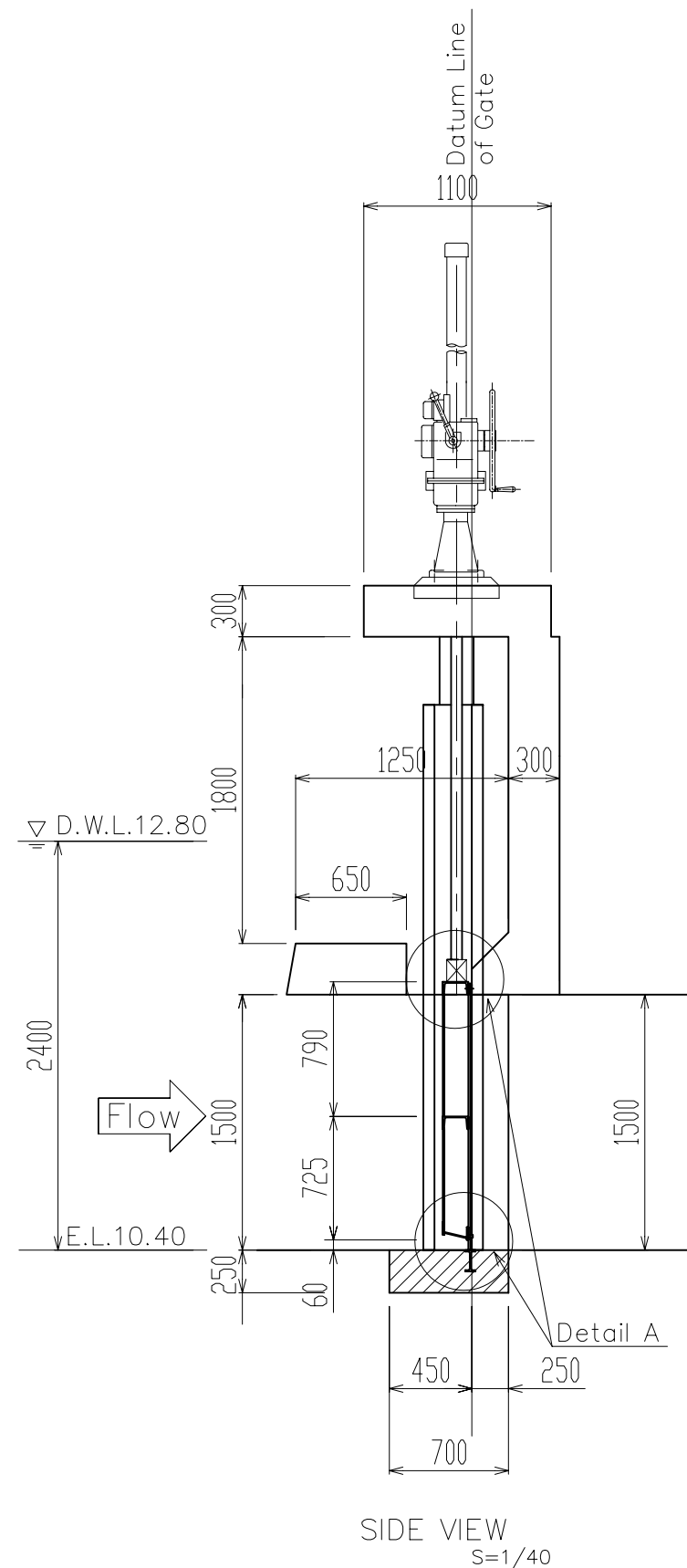
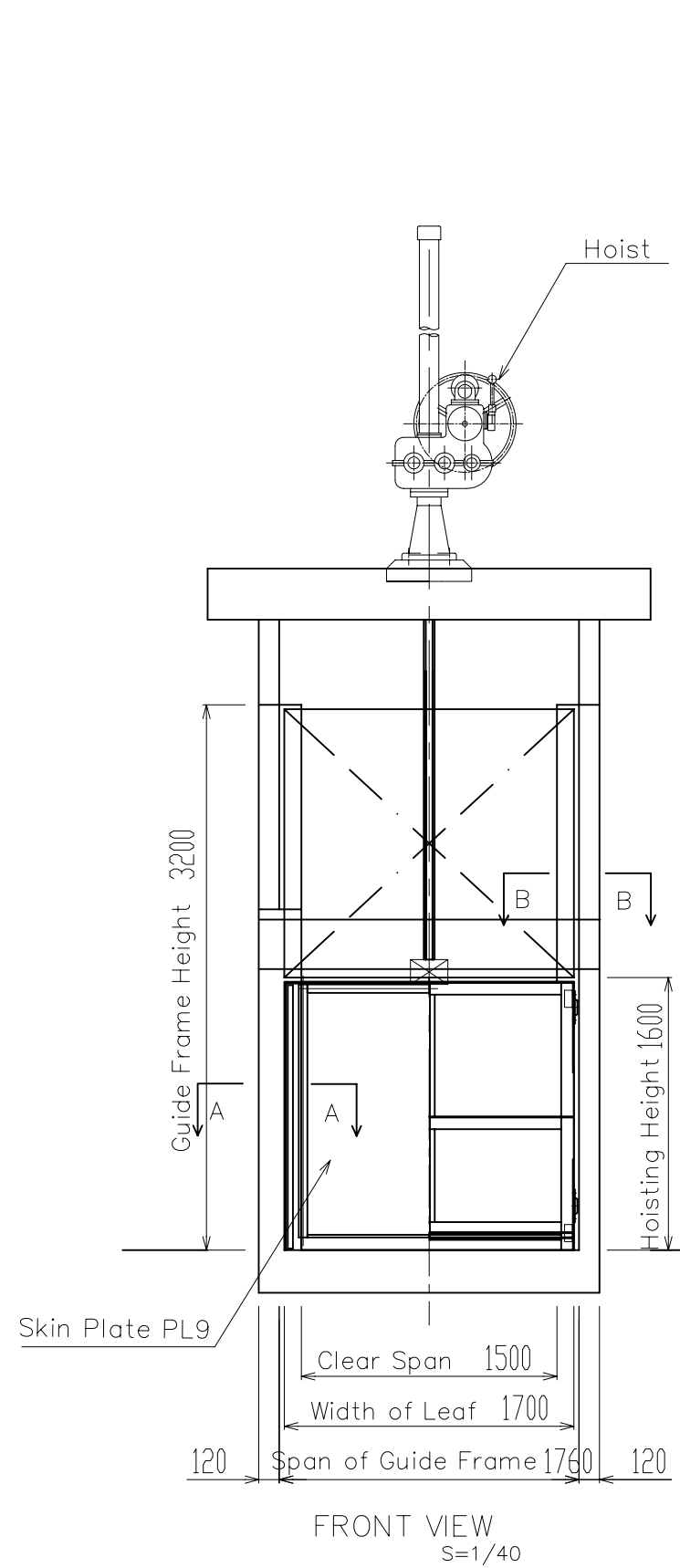
THE KINGDOM OF CAMBODIA		
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM		
TITLE OF DRAWING HEADWORKS FLOODWAY GATE		
DATE	DRAWING NO.	2-27
NIPPON KOEI CO., LTD., JAPAN		

# SLUICeway GATE

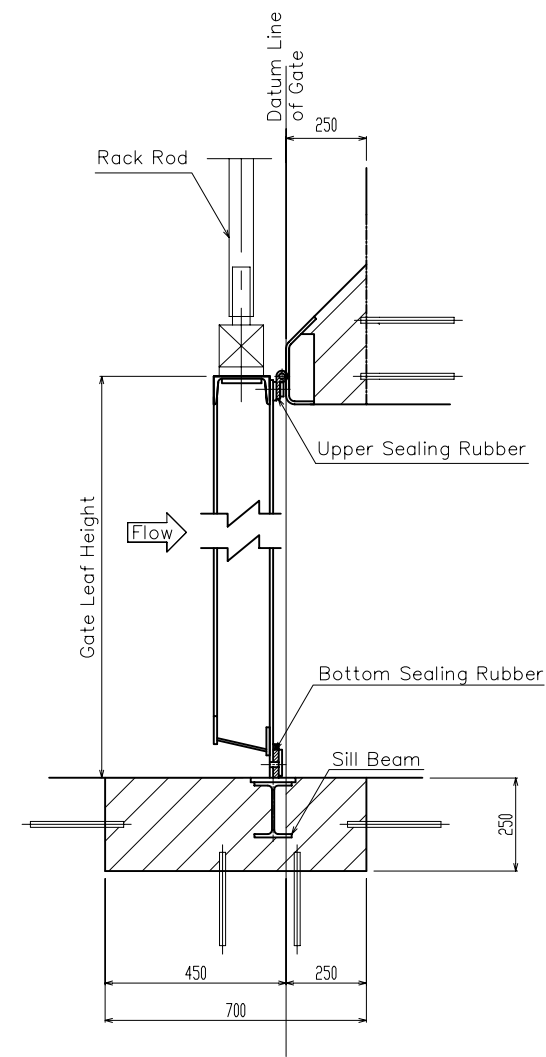


THE KINGDOM OF CAMBODIA		
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM		
TITLE OF DRAWING		
HEADWORKS SLUICeway GATE		
DATE	DRAWING NO.	2-28
NIPPON KOEI CO., LTD., JAPAN		

# RIVER MAINTENANCE FLOW GATE

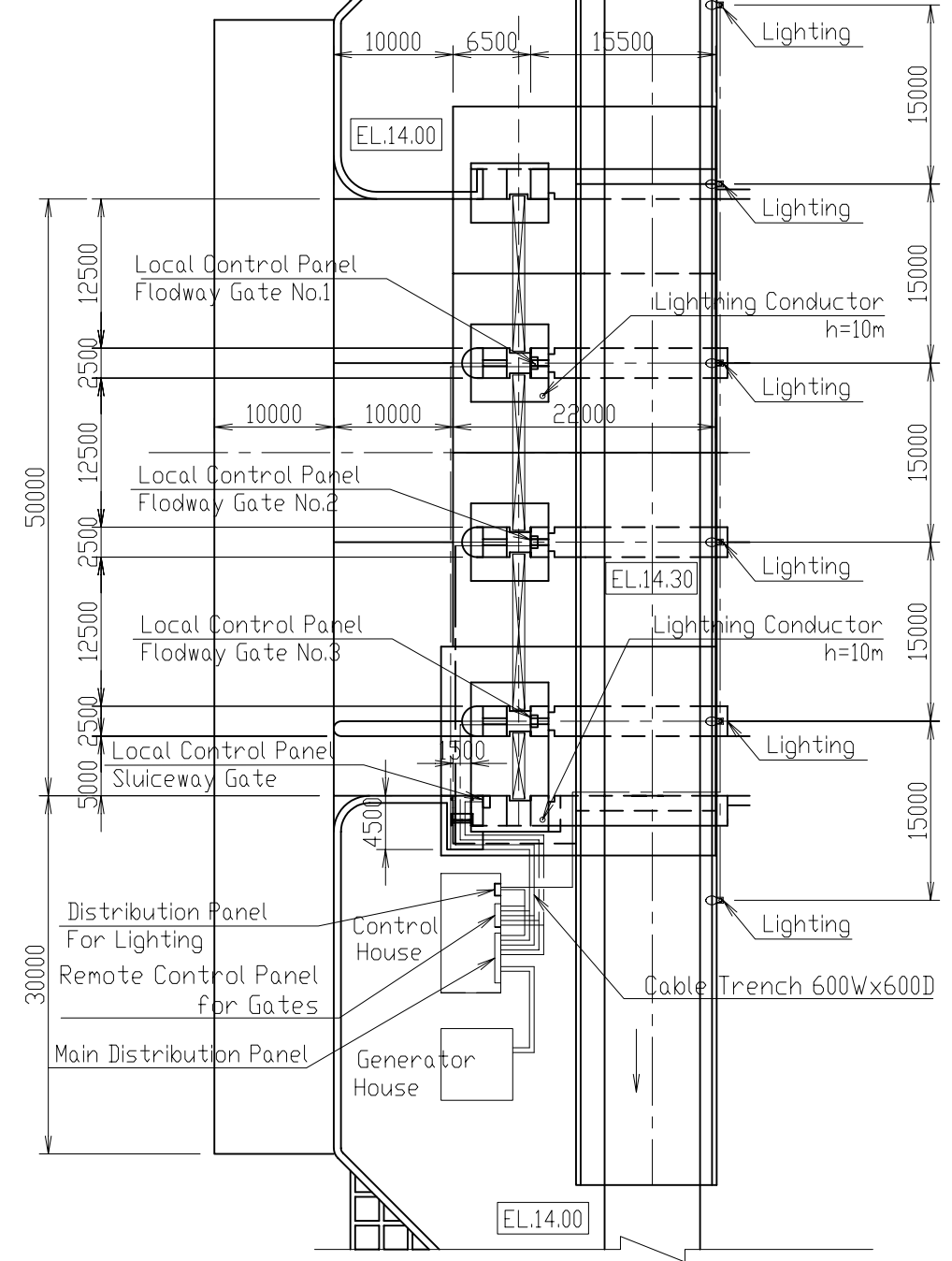


DETAIL OF SIDE WATER SEALING  
S=1/20

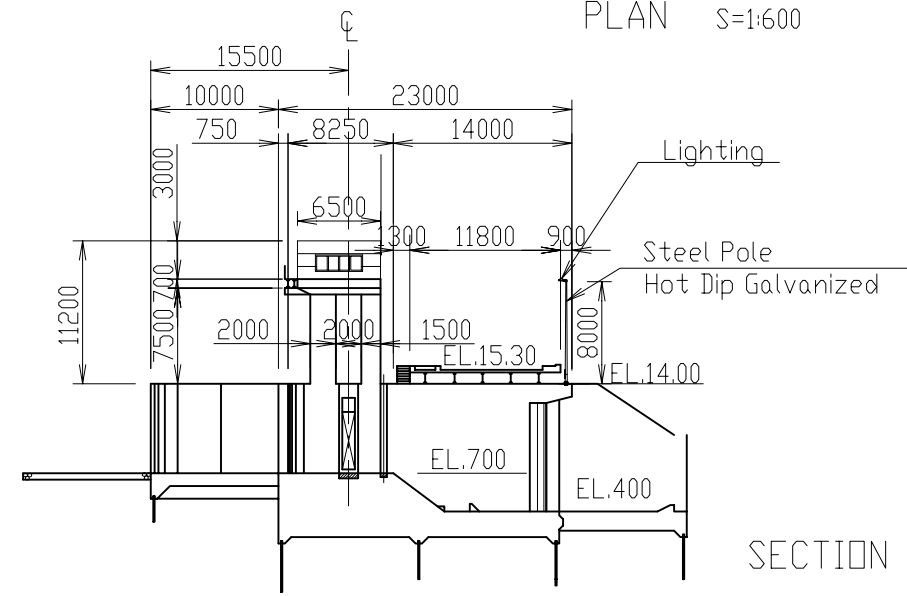


THE KINGDOM OF CAMBODIA		
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM		
TITLE OF DRAWING		
HEADWORKS RIVER MAINTENANCE FLOW GATE		
DATE	DRAWING NO.	2-29
NIPPON KOEI CO., LTD., JAPAN		

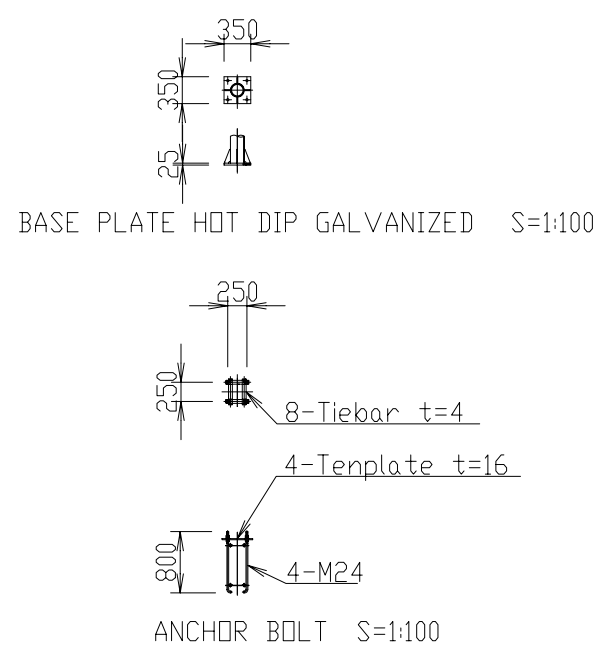
# ELECTRIC AND LIGHTNING SYSTEM



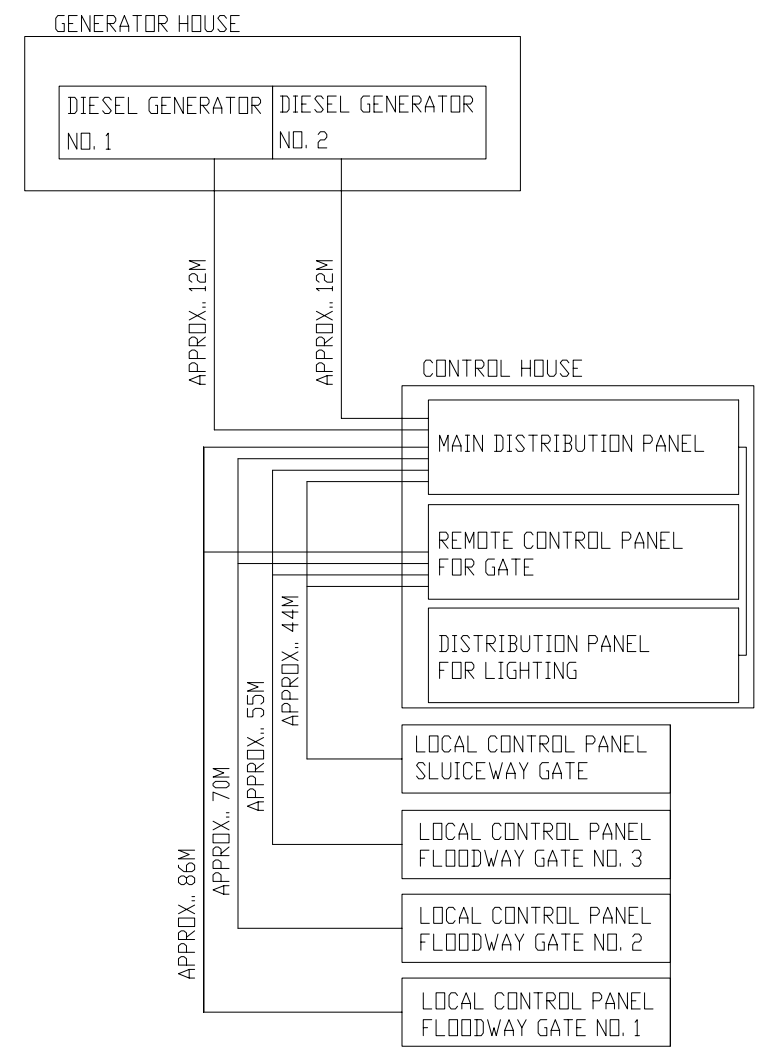
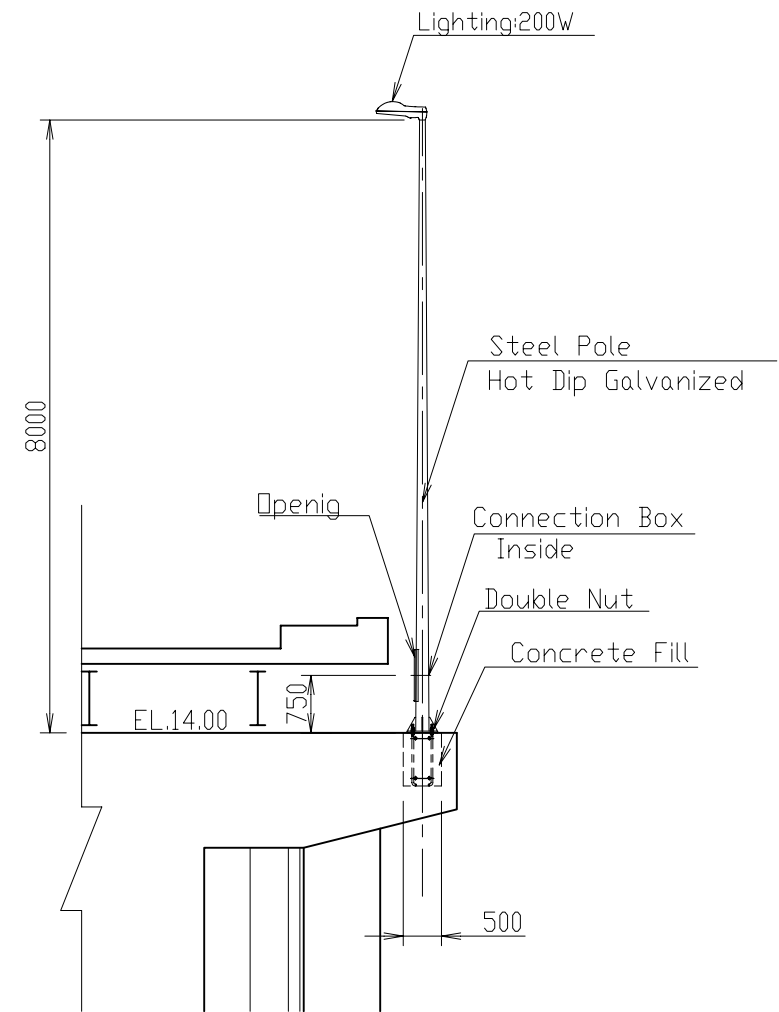
PLAN S=1:600



SECTION S=1:600

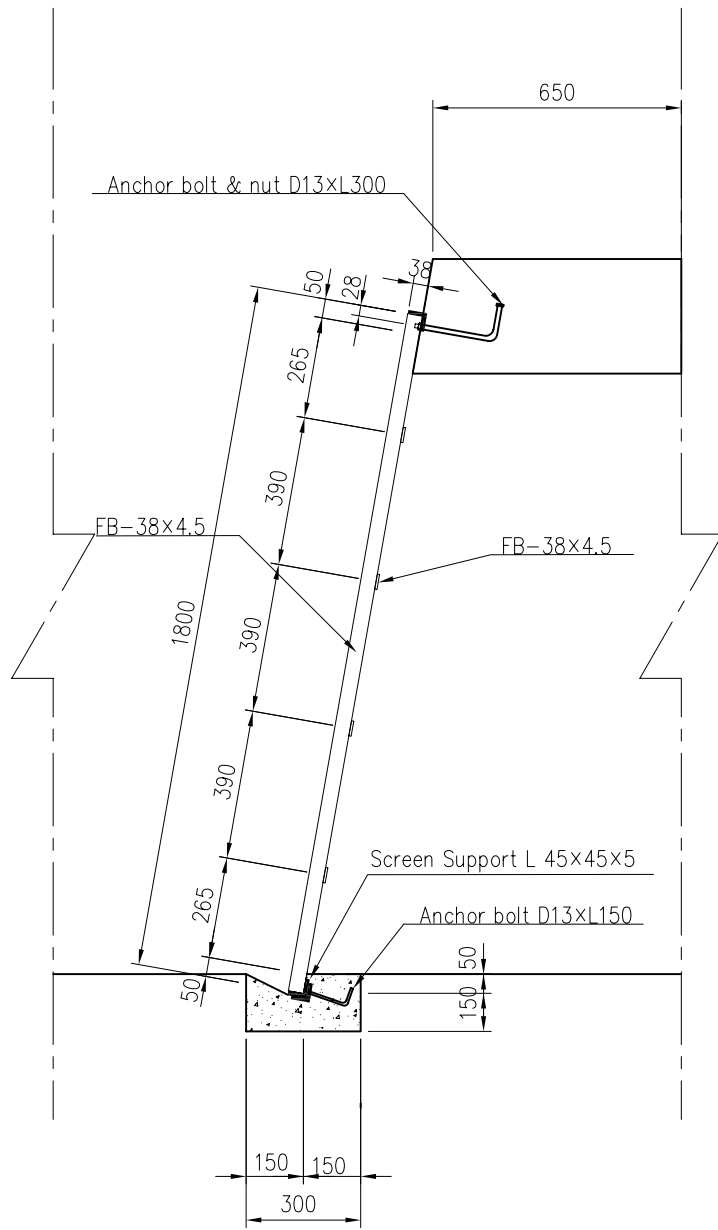


DETAIL OF STEEL POLE S=1:100

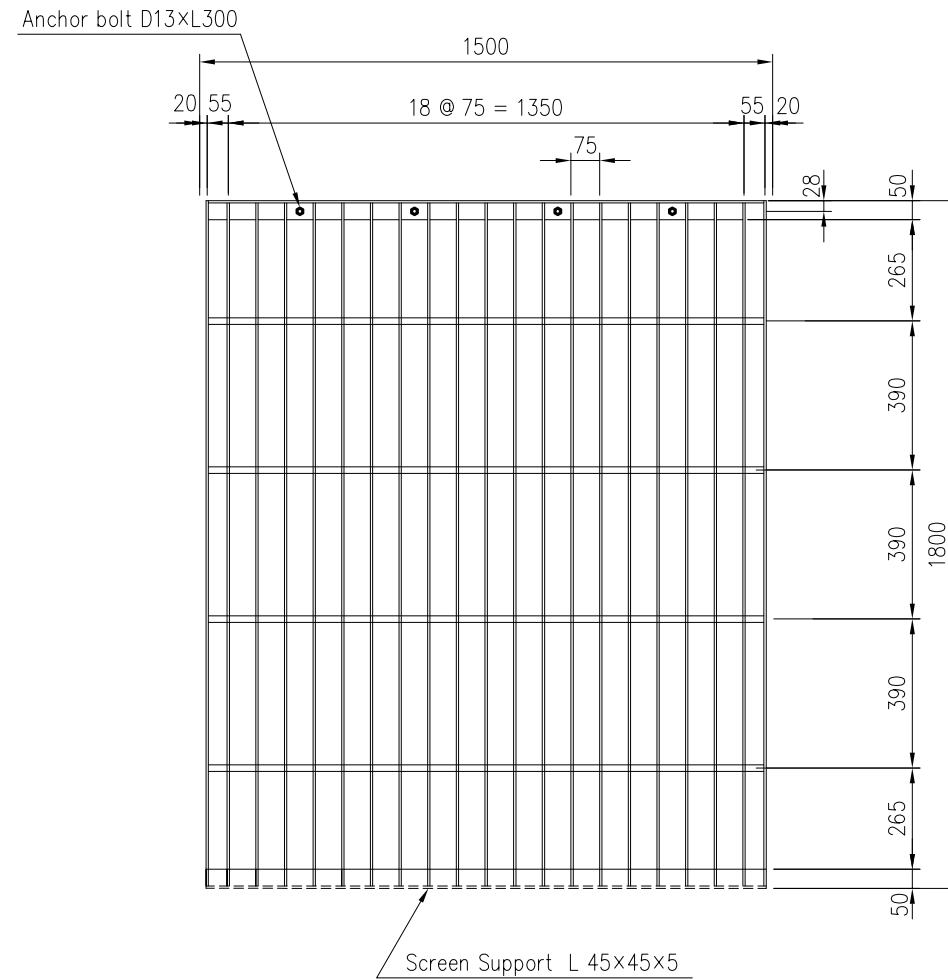


THE KINGDOM OF CAMBODIA		
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM		
TITLE OF DRAWING		
HEADWORKS ELECTRIC AND LIGHTNING SYSTEM		
DATE	DRAWING NO.	2-30
NIPPON KOEI CO., LTD., JAPAN		

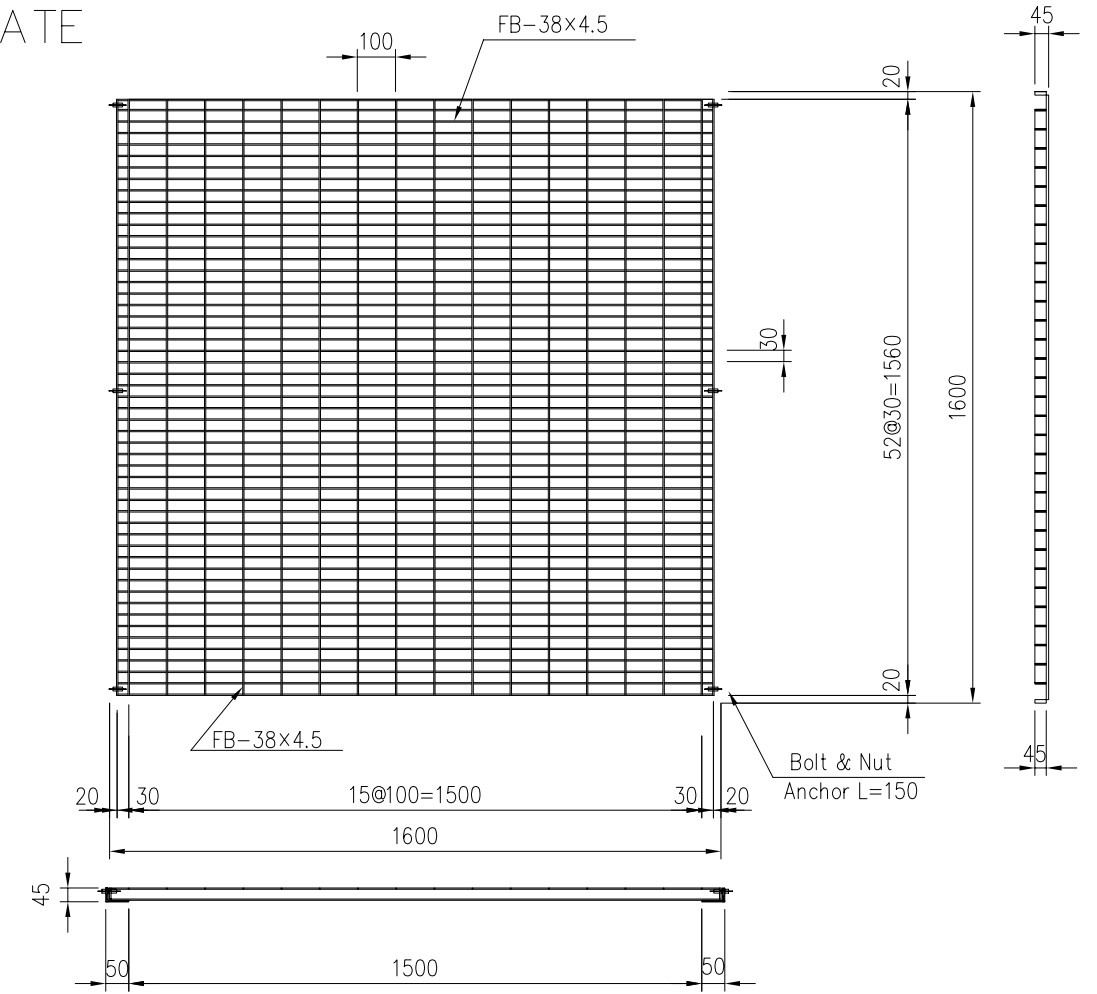
# SCREEN & GRATING for RIVER MAINTENANCE FLOW GATE



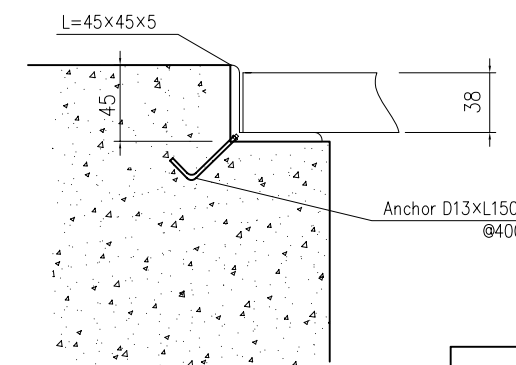
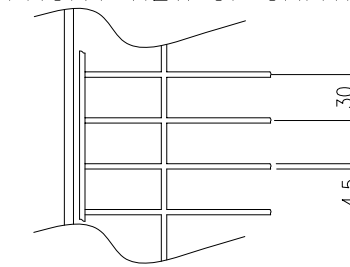
CROSS SECTION OF SCREEN S=1:200



FRONT VIEW OF SCREEN S=1:200



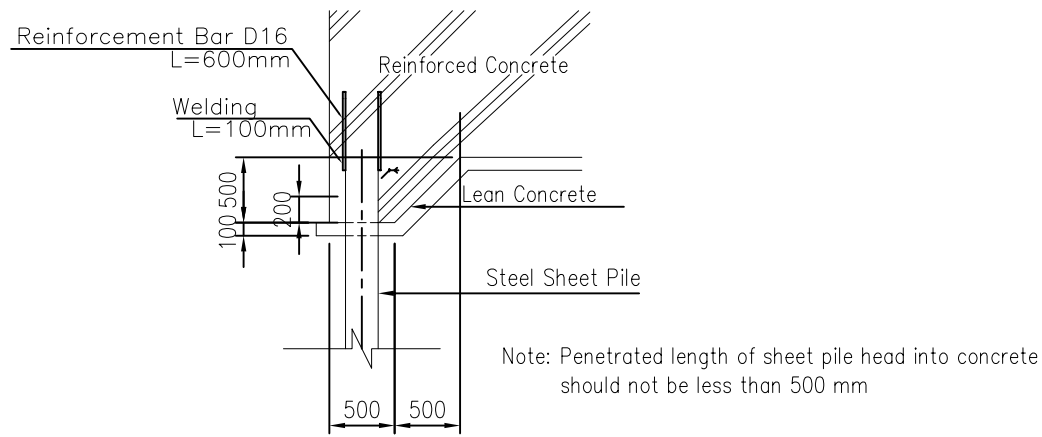
FRONT VIEW OF GRATING S=1:200



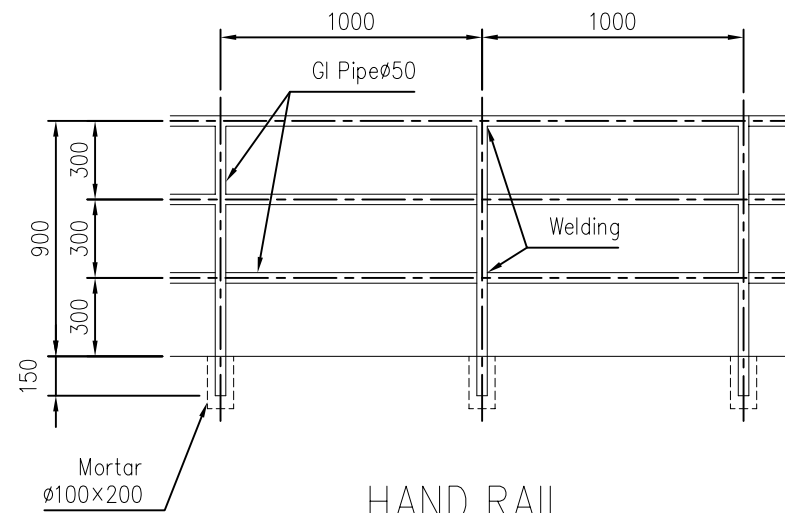
DETAIL OF GRATING S=1:50

THE KINGDOM OF CAMBODIA		
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM		
TITLE OF DRAWING HEADWORKS SCREEN & GRATING FOR RIVER MAINTENANCE FLOW GATE		
DATE	DRAWING NO.	2-31
NIPPON KOEI CO., LTD., JAPAN		

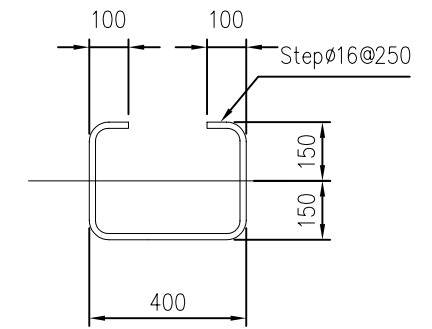
# MISCELLANEOUS WORKS



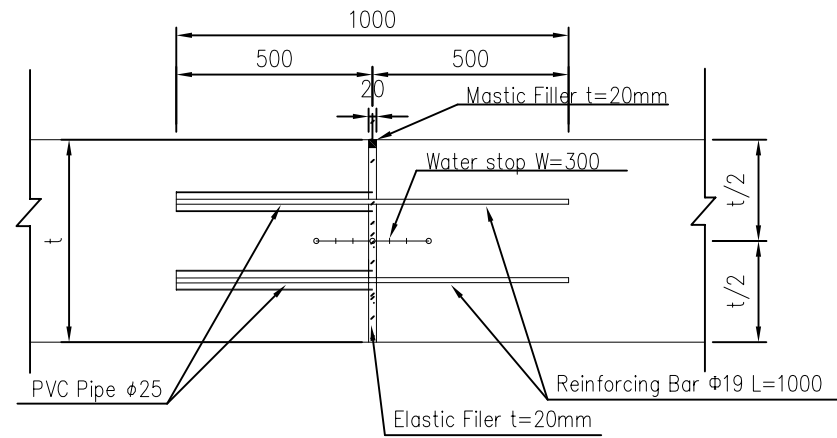
DETAIL OF HEAD CAP OF STEEL SHEET PILE  
SCALE A



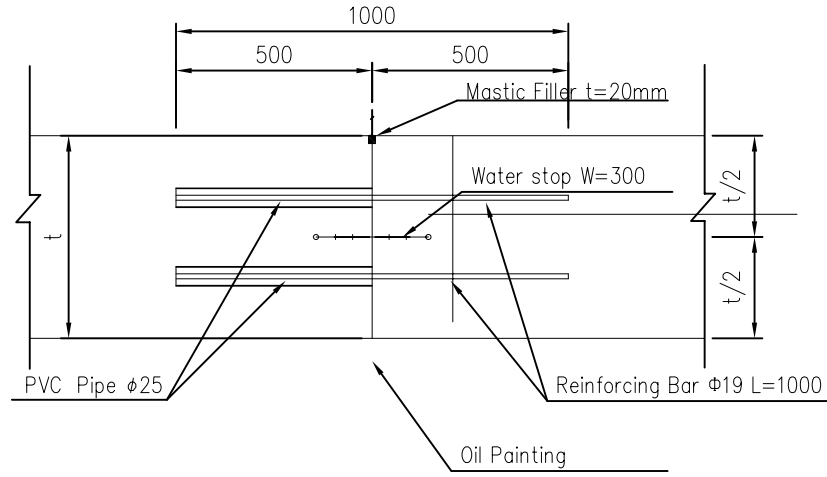
HAND RAIL  
SCALE B



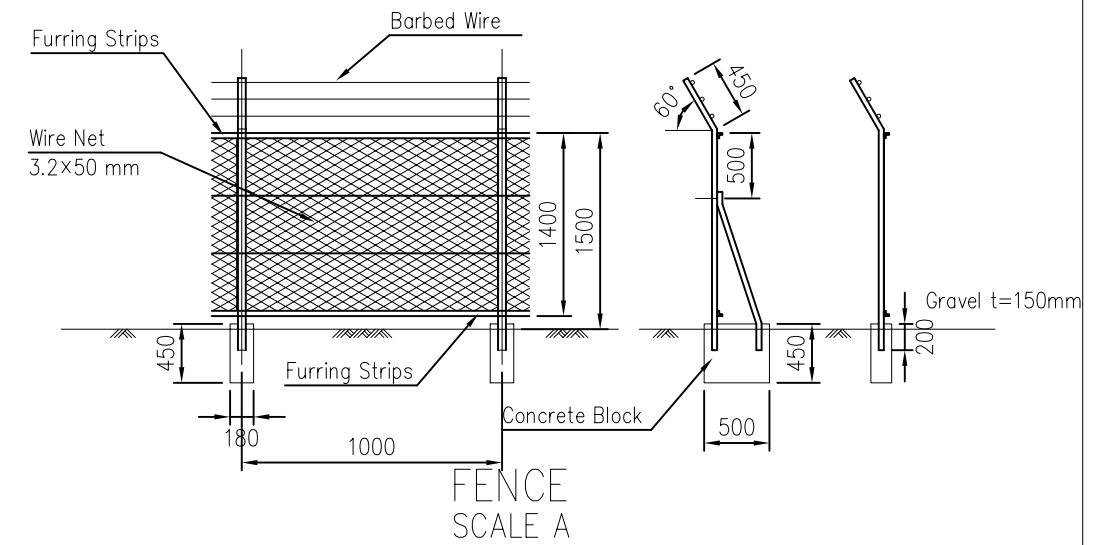
DETAIL OF STEP  
SCALE C



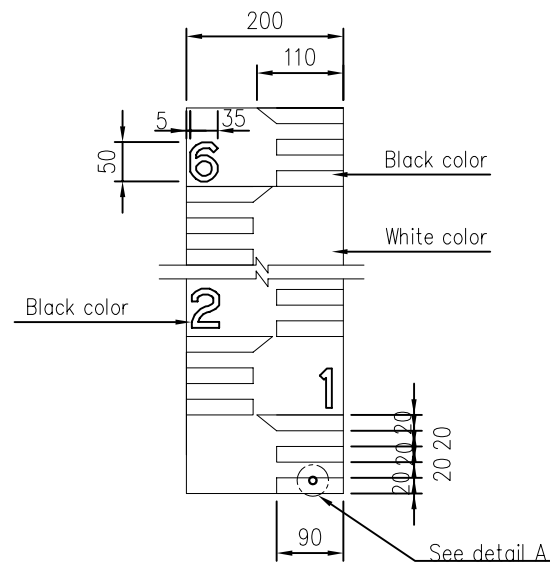
EXPANSION JOINT  
SCALE C



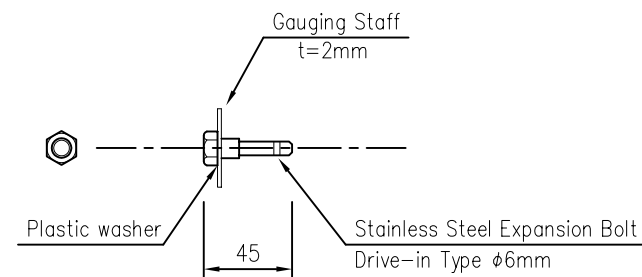
CONTRACTION JOINT  
SCALE C



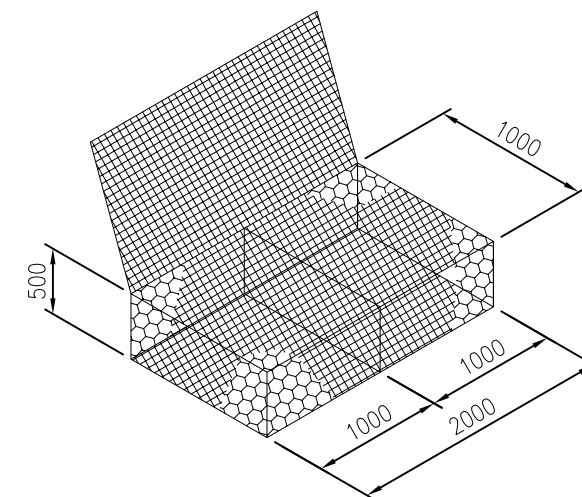
FENCE  
SCALE A



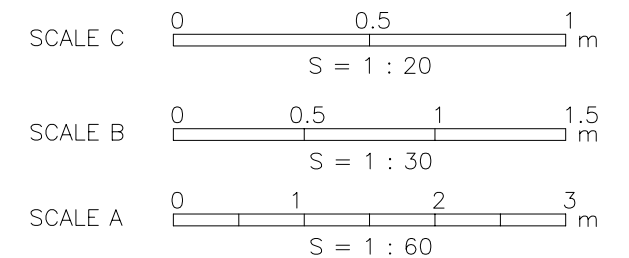
STAFF GAUGE TYPE A  
NOT TO SCALE



DETAIL "A"  
NOT TO SCALE



GABION  
NOT TO SCALE



THE KINGDOM OF CAMBODIA		
THE PROJECT FOR THE REHABILITATION OF THE KANDAL STUNG IRRIGATION SYSTEM		
TITLE OF DRAWING		
HEADWORKS MISCELLANEOUS WORKS		
DATE	DRAWING NO.	2-32
NIPPON KOEI CO., LTD., JAPAN		