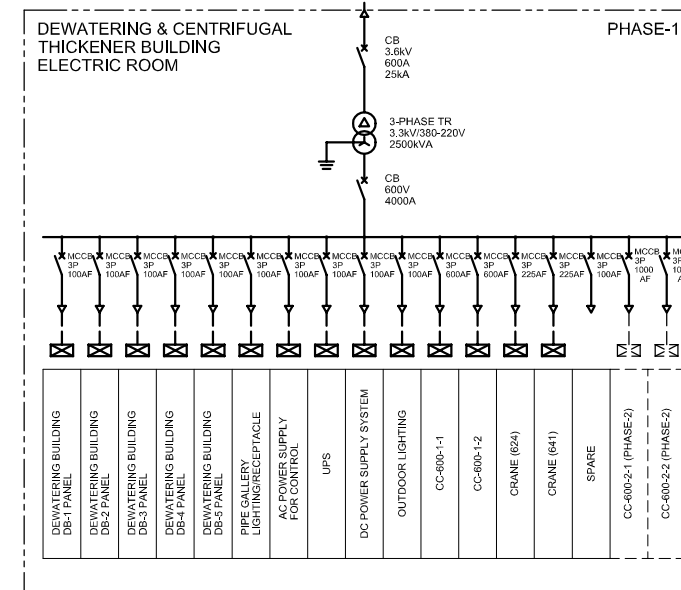
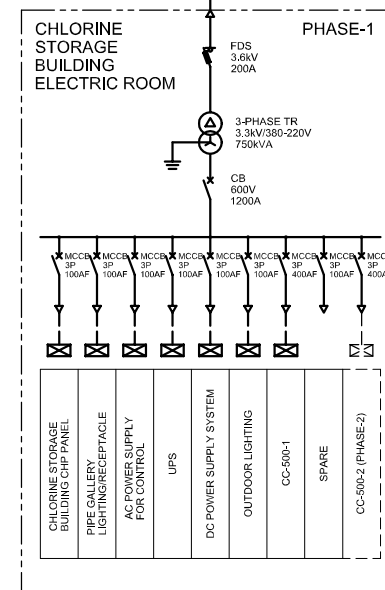
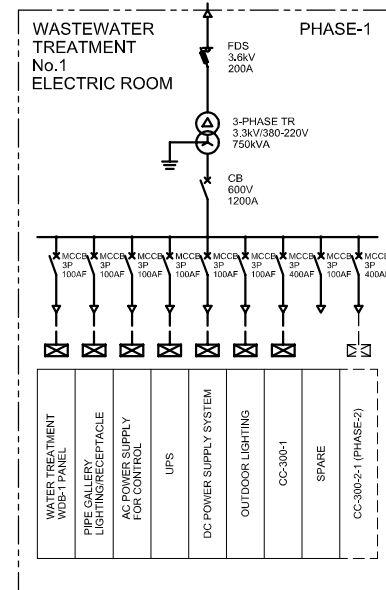
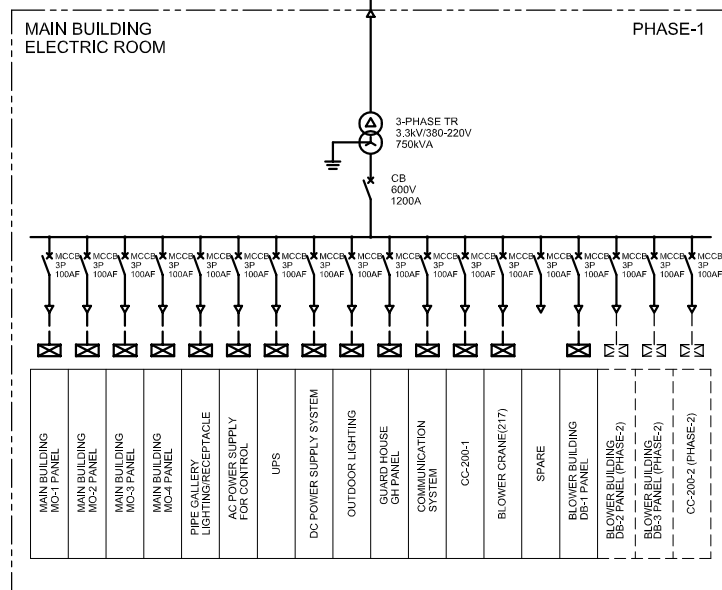
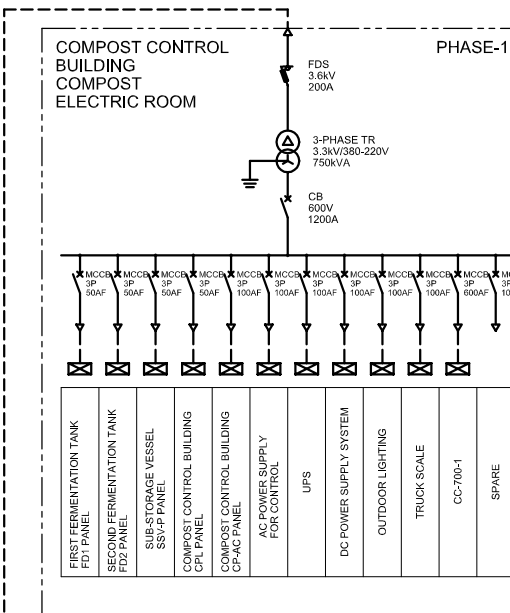
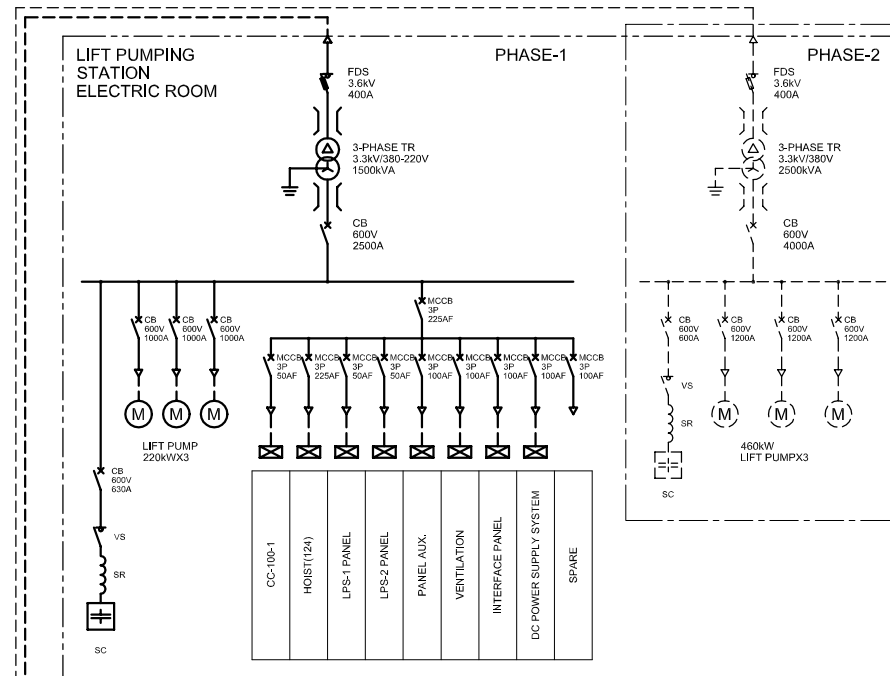
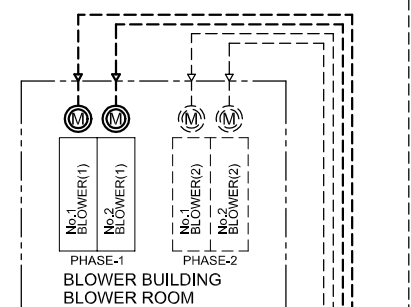
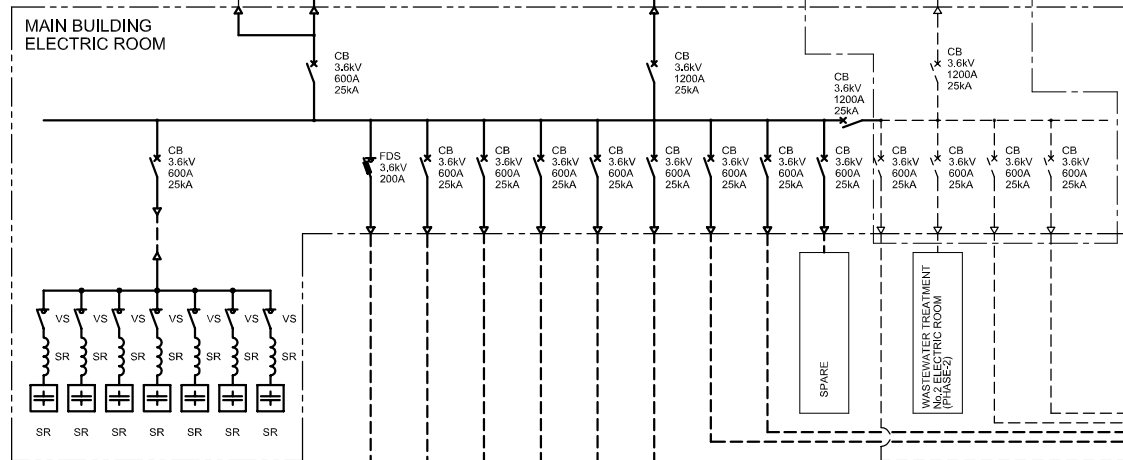
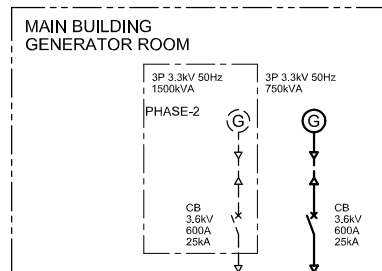
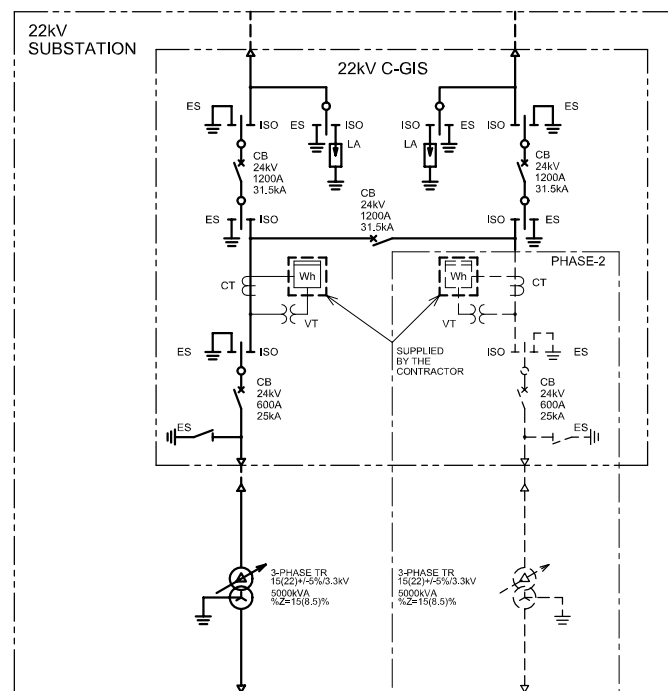


SYMBOL	DESCRIPTION
ISO	ISOLATOR
ES	EARTHING SWITCH
LA	LIGHTING ARRESTER
CB	CIRCUIT BREAKER
CT	CURRENT TRANSFORMER
VT	VOLTAGE TRANSFORMER
TR	TRANSFORMER
FDS	FUSE SWITCH DISCONNECTOR
PF	POWER FUSE
VS	VACUUM SWITCH
MCCB	MOLDED CASE CIRCUIT BREAKER
SC	STATIC CAPACITOR
SR	STATIC REACTOR
M	MOTOR
G	GENERATOR
Wh	WATT-HOUR METER

SAIGON SOUTH 4 S/S
3P 15(22)kV 50Hz

IWPS S/S
3P 15(22)kV 50Hz



NO.	DATE	DESCRIPTIONS	BY	APRO.

REVISIONS

PROJECT MANAGEMENT UNIT FOR
HO CHI MINH CITY
WATER ENVIRONMENT IMPROVEMENT

THE DETAILED DESIGN ON HO CHI MINH CITY
WATER ENVIRONMENT IMPROVEMENT PROJECT
IN THE SOCIALIST REPUBLIC OF VIET NAM

PACKAGE E
WASTEWATER TREATMENT PLANT

KEY SINGLE LINE DIAGRAM FOR
ELECTRICAL POWER SUPPLY SYSTEM
FOR WASTEWATER TREATMENT PLANT

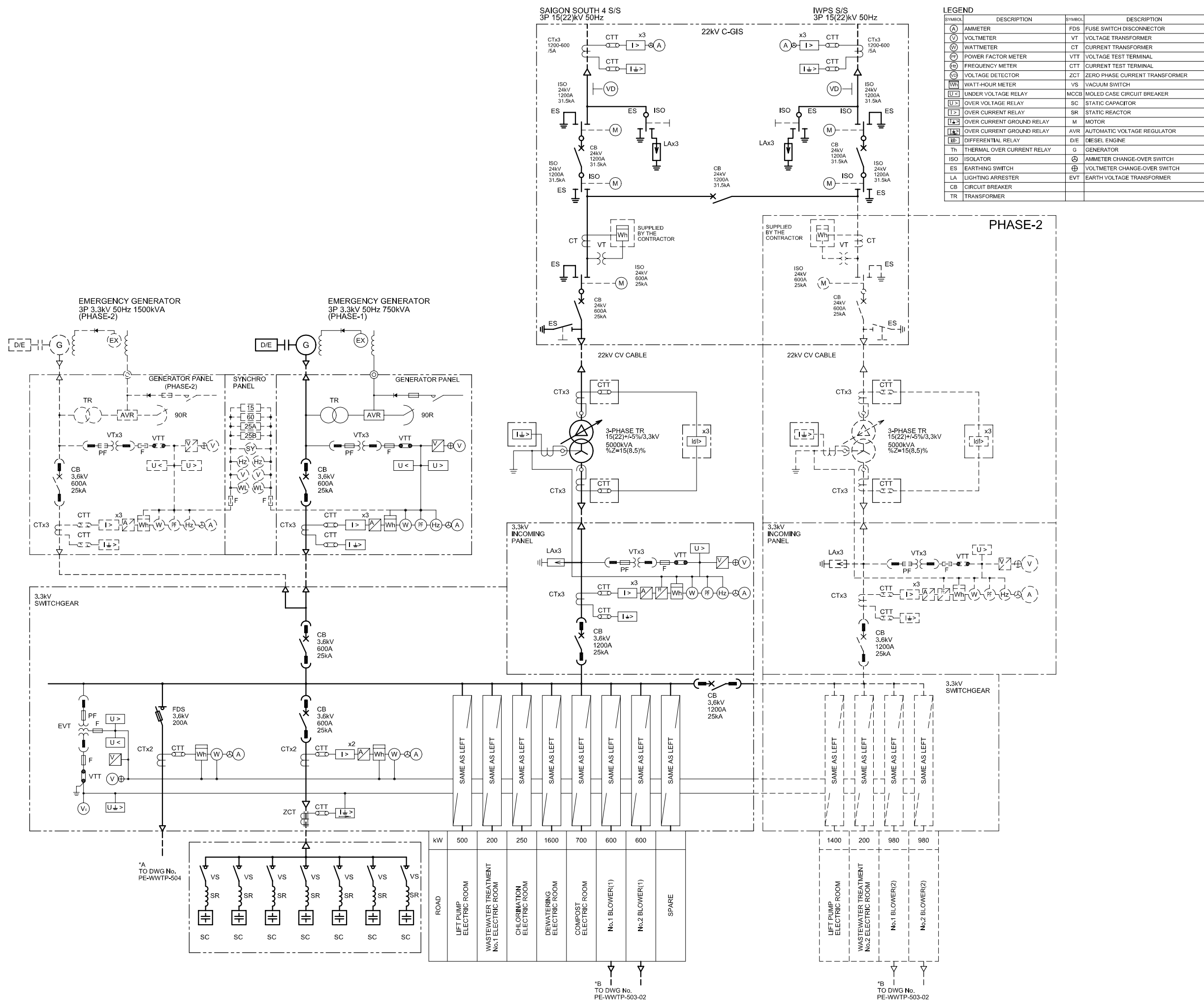
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JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)



PACIFIC CONSULTANTS INTERNATIONAL

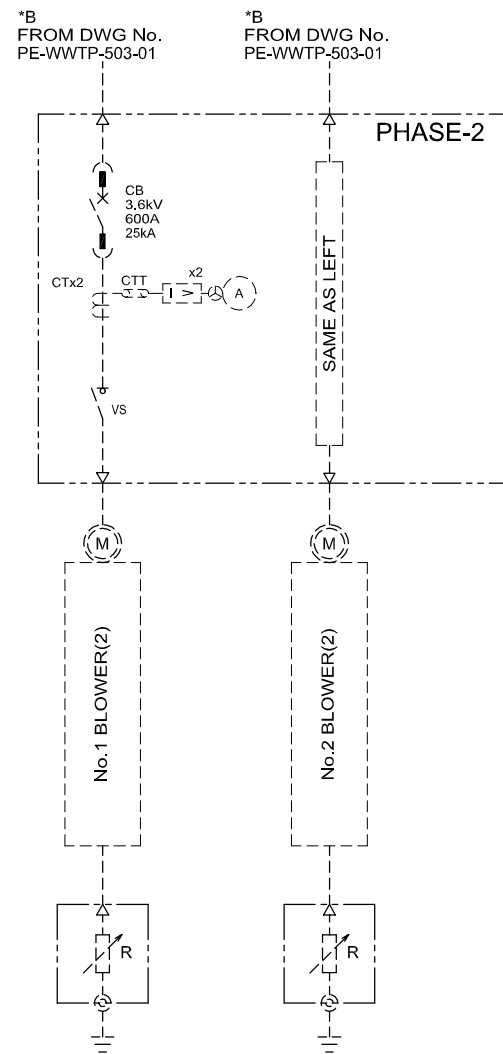
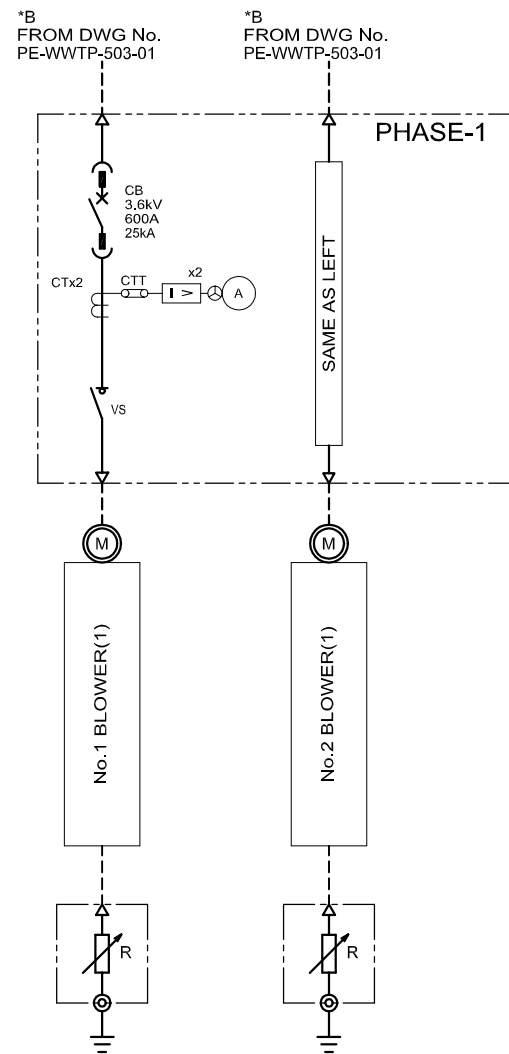
DESIGNED: KOMIYA NOBUO
CHECKED: KONDO MASAMI

DATE : JUNE 2001 DWG. No. PE - WWTP - 502



SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
(A)	AMMETER	FDS	FUSE SWITCH DISCONNECTOR
(V)	VOLTMETER	VT	VOLTAGE TRANSFORMER
(W)	WATTMETER	CT	CURRENT TRANSFORMER
(PF)	POWER FACTOR METER	VTT	VOLTAGE TEST TERMINAL
(F)	FREQUENCY METER	CTT	CURRENT TEST TERMINAL
(VD)	VOLTAGE DETECTOR	ZCT	ZERO PHASE CURRENT TRANSFORMER
(Wh)	WATT-HOUR METER	VS	VACUUM SWITCH
(U<)	UNDER VOLTAGE RELAY	MCCB	MOLEDED CASE CIRCUIT BREAKER
(U>)	OVER VOLTAGE RELAY	SC	STATIC CAPACITOR
(I>)	OVER CURRENT RELAY	SR	STATIC REACTOR
(I>G)	OVER CURRENT GROUND RELAY	M	MOTOR
(I>G)	OVER CURRENT GROUND RELAY	AVR	AUTOMATIC VOLTAGE REGULATOR
(DR)	DIFFERENTIAL RELAY	D/E	DIESEL ENGINE
Th	THERMAL OVER CURRENT RELAY	G	GENERATOR
ISO	ISOLATOR	(A)	AMMETER CHANGE-OVER SWITCH
ES	EARTHING SWITCH	(V)	VOLTMETER CHANGE-OVER SWITCH
LA	LIGHTING ARRESTER	EVT	EARTH VOLTAGE TRANSFORMER
CB	CIRCUIT BREAKER		
TR	TRANSFORMER		

NO.	DATE	DESCRIPTIONS	BY	APPRO.
REVISIONS				
PROJECT MANAGEMENT UNIT FOR HO CHI MINH CITY WATER ENVIRONMENT IMPROVEMENT				
THE DETAILED DESIGN ON HO CHI MINH CITY WATER ENVIRONMENT IMPROVEMENT PROJECT IN THE SOCIALIST REPUBLIC OF VIET NAM				
PACKAGE E WASTEWATER TREATMENT PLANT				
SINGLE LINE DIAGRAM FOR 22kV MAIN SUBSTATION & MAIN BUILDING				
SCALE : N.T.S				
 JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)				
 PACIFIC CONSULTANTS INTERNATIONAL				
DESIGNED KOMIYA NOBUO		CHECKED KONDO MASAMI		
DATE : JUNE 2001		DWG. No. PE - WWTP - 503-1		



NO.	DATE	DESCRIPTIONS	BY	APRO.

REVISIONS

PROJECT MANAGEMENT UNIT FOR
HO CHI MINH CITY
WATER ENVIRONMENT IMPROVEMENT

THE DETAILED DESIGN ON HO CHI MINH CITY
WATER ENVIRONMENT IMPROVEMENT PROJECT
IN THE SOCIALIST REPUBLIC OF VIET NAM

PACKAGE E
WASTEWATER TREATMENT PLANT
**SINGLE LINE DIAGRAM FOR
BLOWER BUILDING**

SCALE : N.T.S

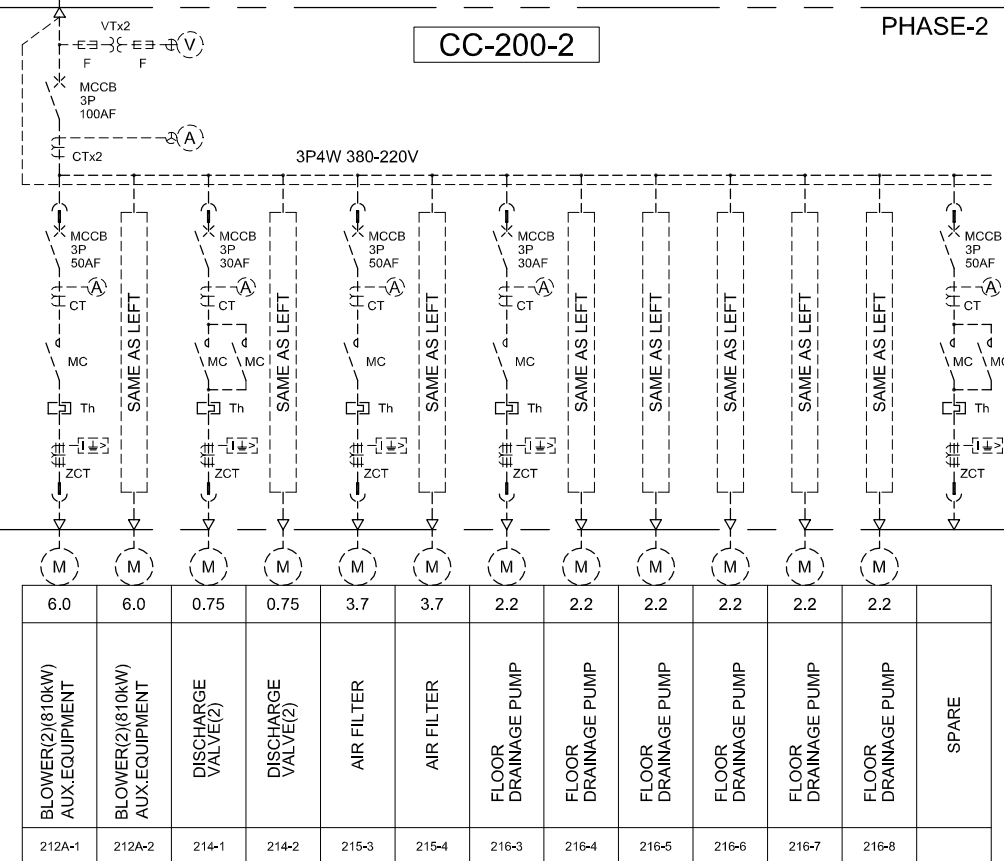
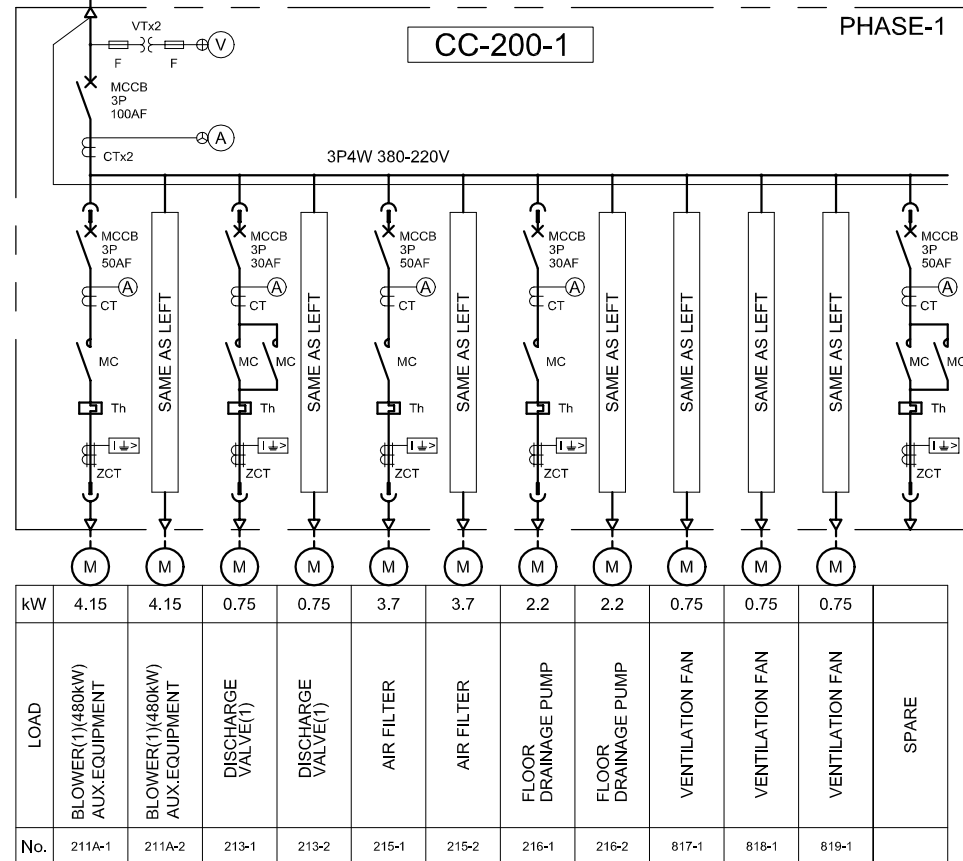
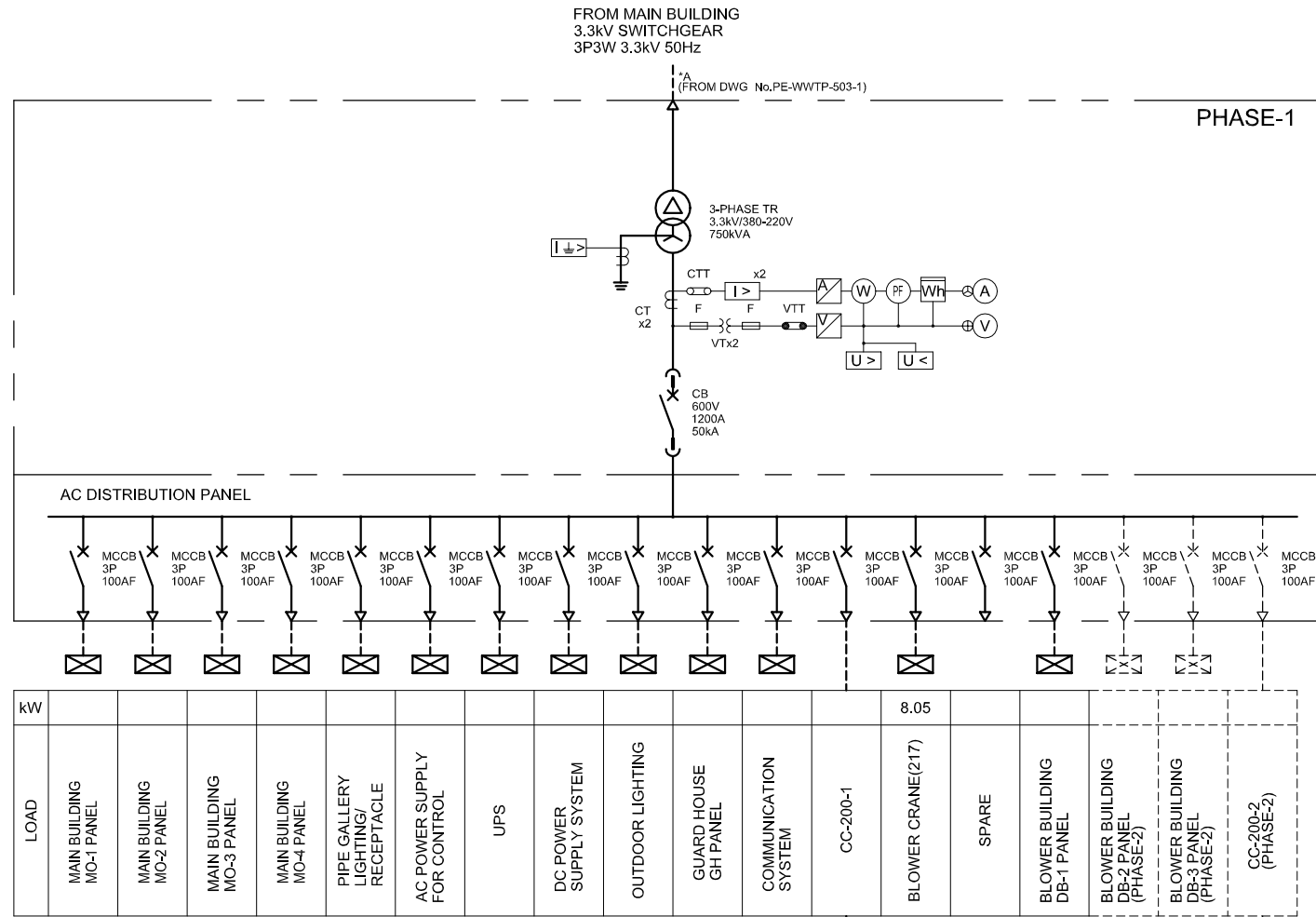
JICA JAPAN INTERNATIONAL COOPERATION
AGENCY (JICA)

PACIFIC CONSULTANTS INTERNATIONAL

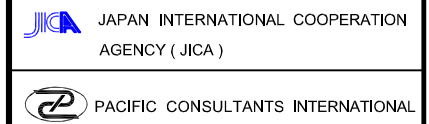
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KOMIYA NOBUO

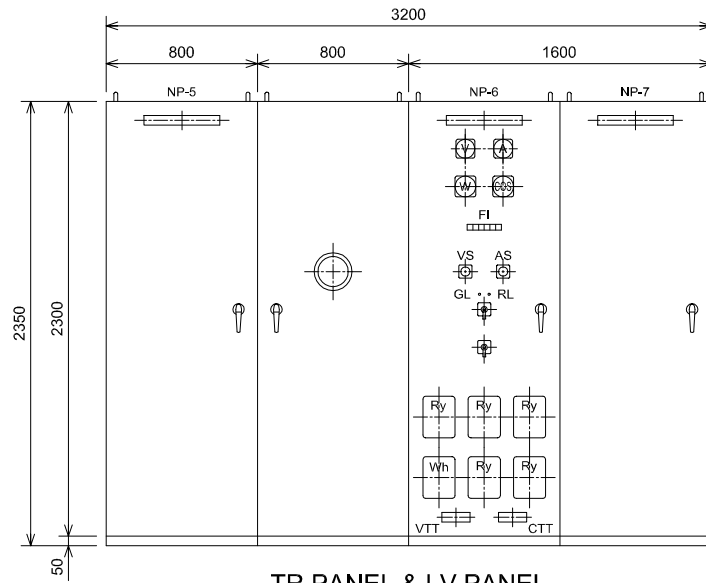
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DATE : JUNE 2001 DWG. No. PE - WWTP - 503-2

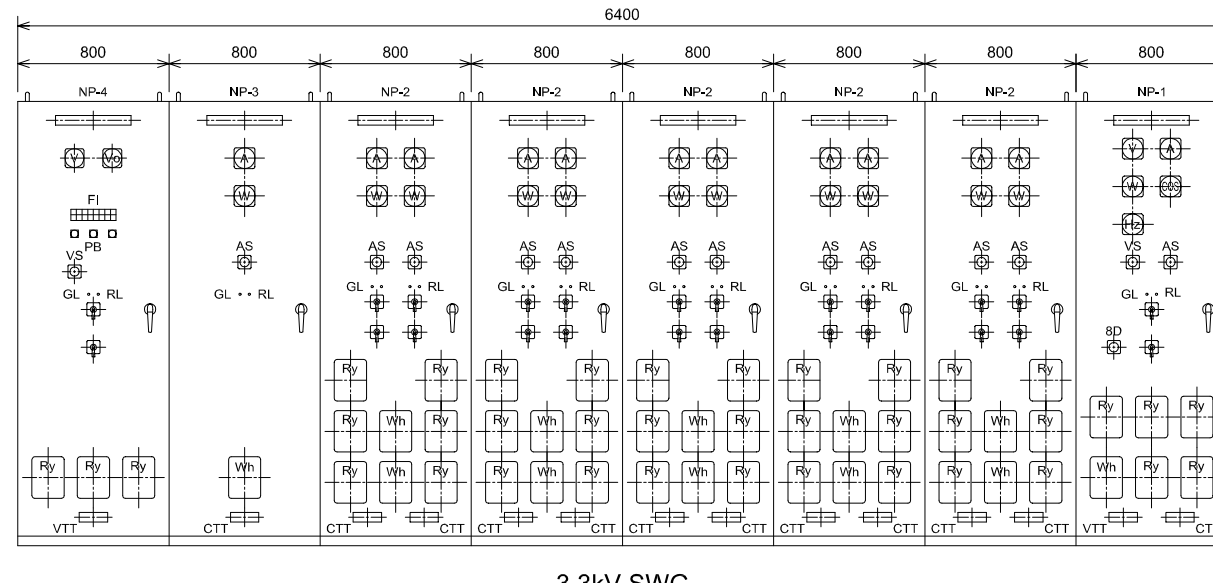


NO.	DATE	DESCRIPTIONS	BY	APRO.
REVISIONS				
PROJECT MANAGEMENT UNIT FOR HO CHI MINH CITY WATER ENVIRONMENT IMPROVEMENT				
THE DETAILED DESIGN ON HO CHI MINH CITY WATER ENVIRONMENT IMPROVEMENT PROJECT IN THE SOCIALIST REPUBLIC OF VIET NAM				
PACKAGE E WASTEWATER TREATMENT PLANT				
SINGLE LINE DIAGRAM FOR MAIN BUILDING ELECTRIC ROOM MOTOR CONTROL CENTER				
SCALE : N.T.S				
DESIGNED KOMIYA NOBUO		CHECKED KONDO MASAMI		
DATE : JUNE 2001		DWG. No. PE - WWTP - 504		

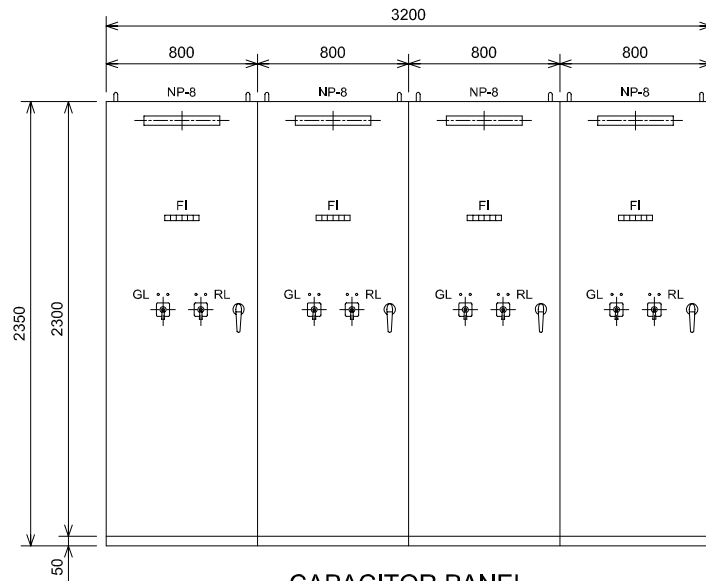
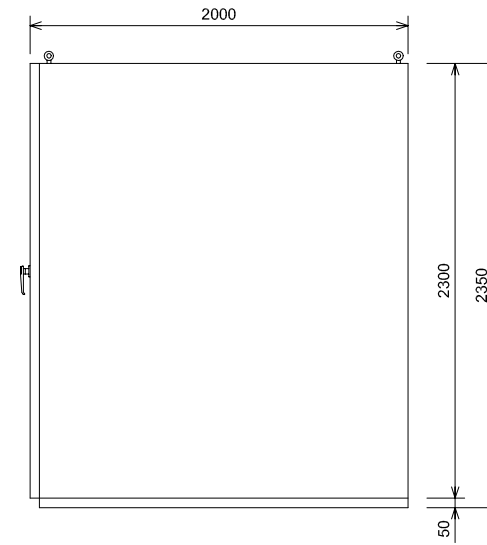




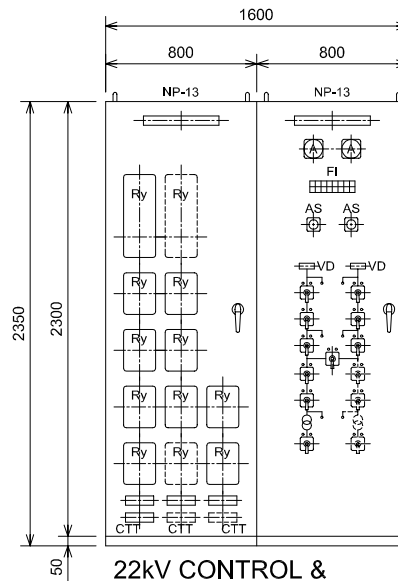
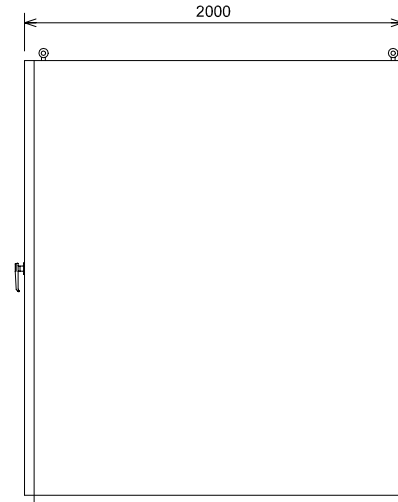
TR PANEL & LV PANEL



3.3kV SWG

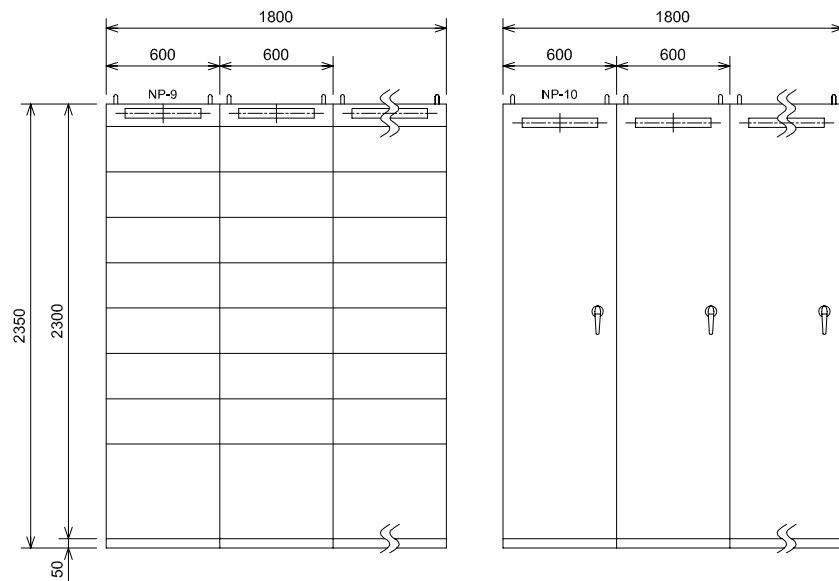


CAPACITOR PANEL

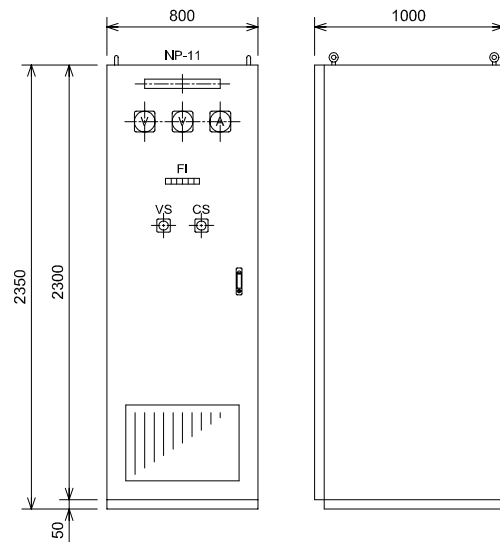


22kV CONTROL & PROTECTION PANEL

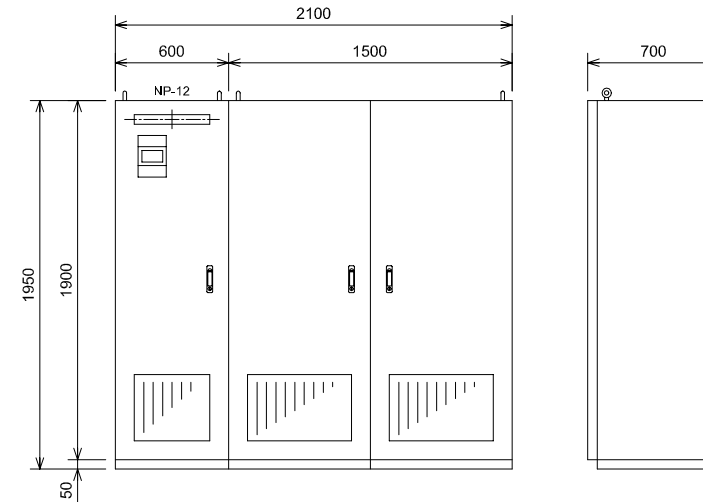
No.	DESCRIPTION
NP-1	3.3kV INCOMING PANEL
NP-2	3.3kV FEEDER SWG
NP-3	FDS PANEL
NP-4	SECTION PANEL
NP-5	750kVA TR PANEL
NP-6	LOW VOLTAGE SWG
NP-7	AC DISTRIBUTION PANEL
NP-8	CAPACITOR PANEL
NP-9	CC-200-1
NP-10	Ry PANEL
NP-11	DC POWER SUPPLY SYSTEM
NP-12	UPS
NP-13	22kV CONTROL & PROTECTION



CONTROL CENTER & Ry PANEL



DC POWER SUPPLY SYSTEM



UPS

NO.	DATE	DESCRIPTIONS	BY	APPRO.

REVISIONS

PROJECT MANAGEMENT UNIT FOR
HO CHI MINH CITY
WATER ENVIRONMENT IMPROVEMENT

THE DETAILED DESIGN ON HO CHI MINH CITY
WATER ENVIRONMENT IMPROVEMENT PROJECT
IN THE SOCIALIST REPUBLIC OF VIET NAM

PACKAGE E
WASTEWATER TREATMENT PLANT

OUTLINE DIMENSION OF SWITCHGEARS
FOR
MAIN BUILDING ELECTRIC ROOM

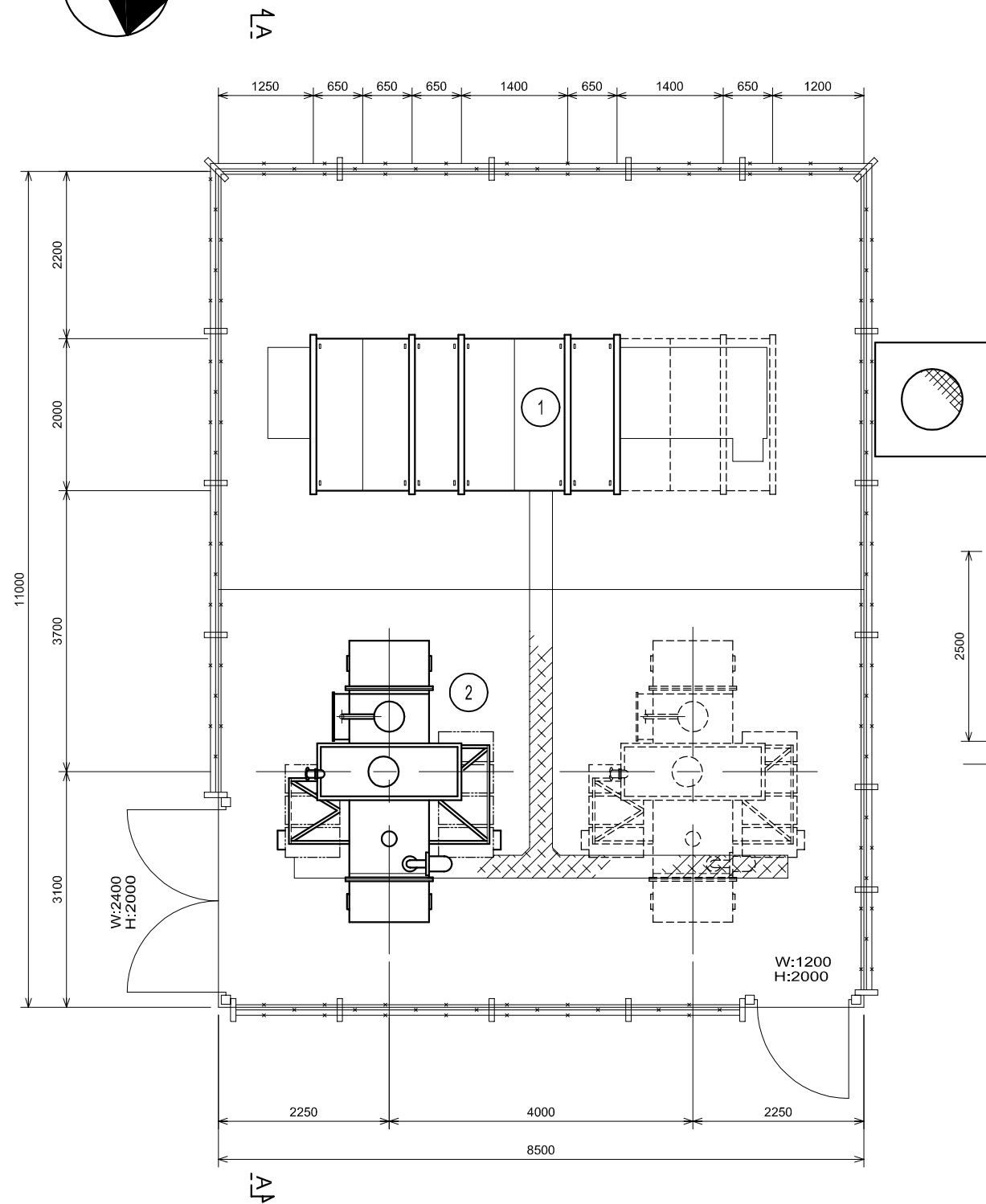
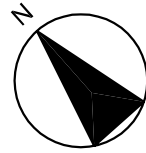
SCALE : 1/20

JICA JAPAN INTERNATIONAL COOPERATION
AGENCY (JICA)

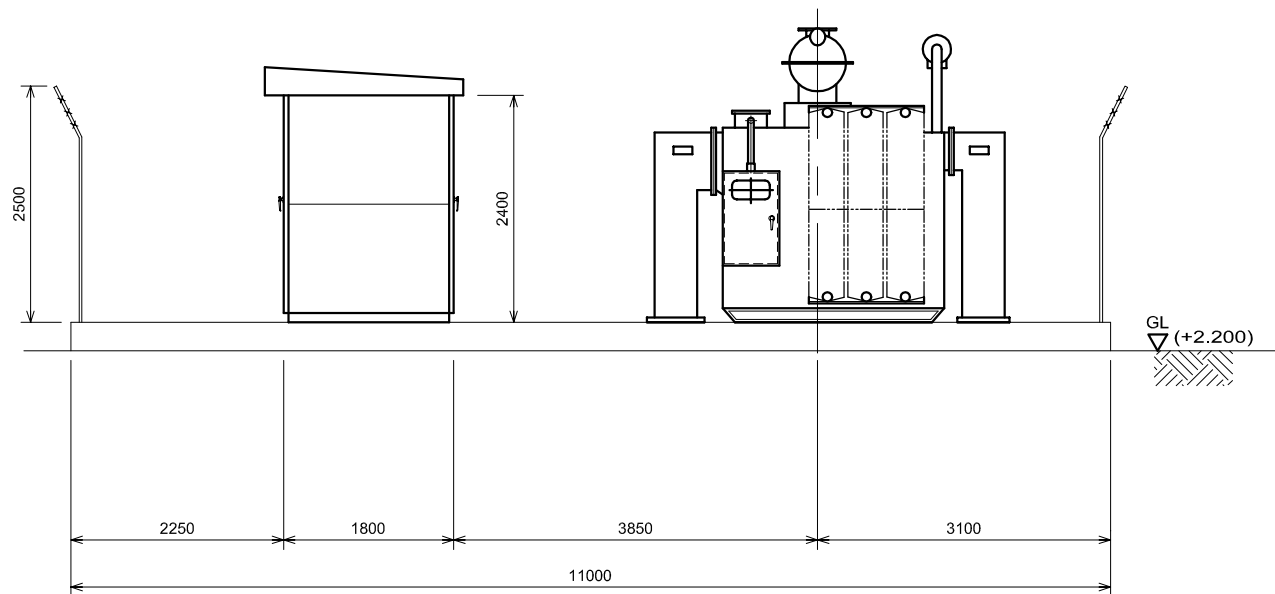
PACIFIC CONSULTANTS INTERNATIONAL

DESIGNED KOMIYA NOBUO	CHECKED KONDO MASAMI
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DATE : JUNE 2001 DWG. No. PE - WWTP - 505



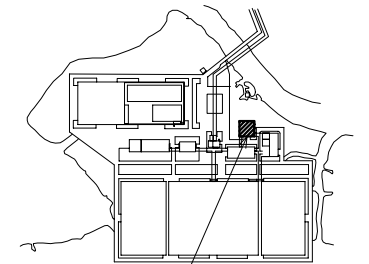
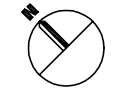
PLAN



A-A SECTION

LEGEND

No.	PANEL TYPE	WEIGHT(kg)
1	22kV C-GIS W6050 x D2200 x H2750	16,000
2	5000KVA TRANSFORMER W3650xD3200xH3400x2UNITS	21,600



22kV MAIN SUBSTATION

KEY PLAN

NO.	DATE	DESCRIPTIONS	BY	APRO.

REVISIONS

PROJECT MANAGEMENT UNIT FOR
HO CHI MINH CITY
WATER ENVIRONMENT IMPROVEMENT

THE DETAILED DESIGN ON HO CHI MINH CITY
WATER ENVIRONMENT IMPROVEMENT PROJECT
IN THE SOCIALIST REPUBLIC OF VIET NAM

PACKAGE E
WASTEWATER TREATMENT PLANT

GENERAL ARRANGEMENT
FOR
22kV MAIN SUBSTATION

SCALE : 1/40

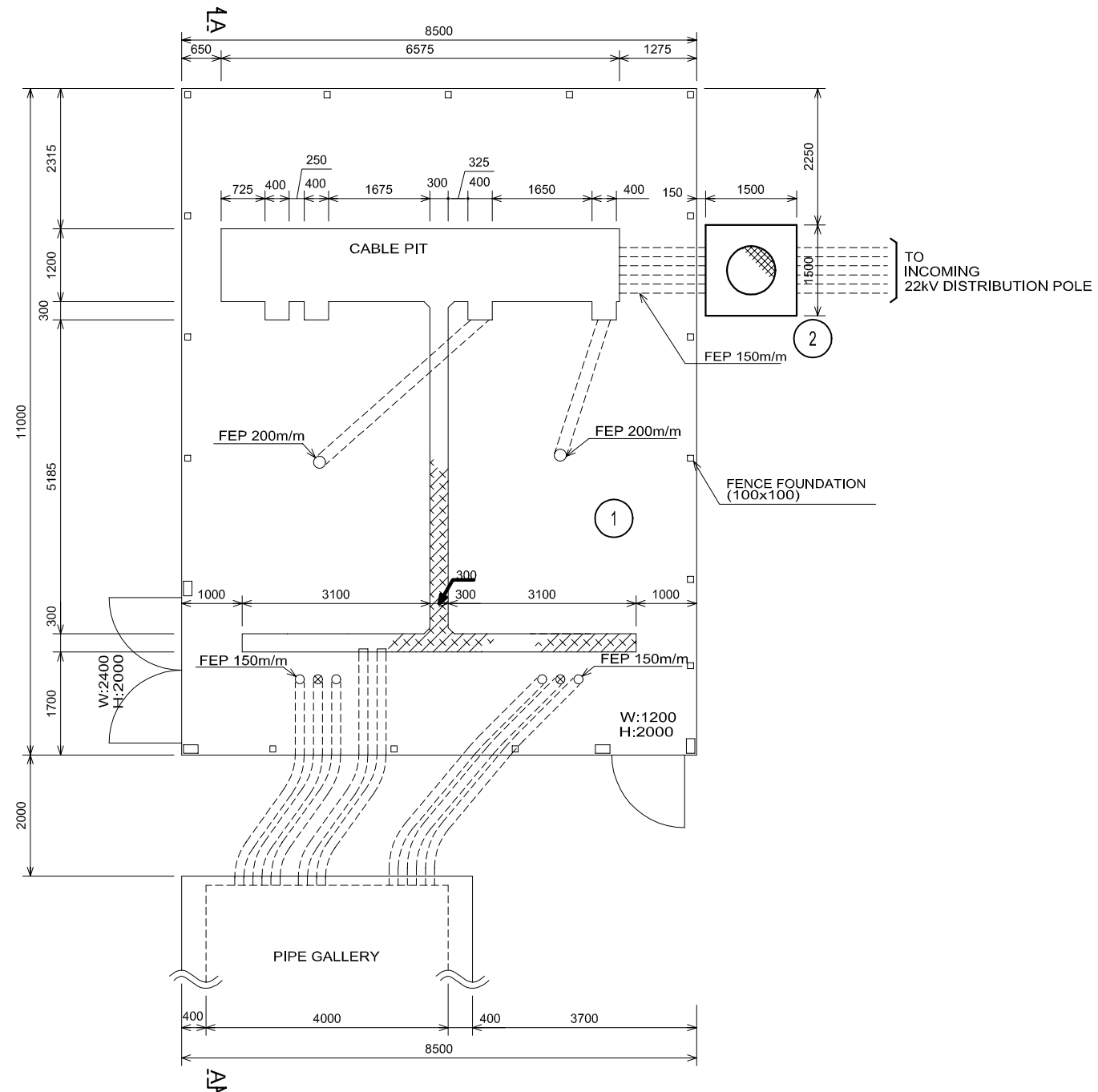
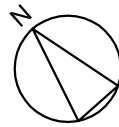
JICA JAPAN INTERNATIONAL COOPERATION
AGENCY (JICA)

PACIFIC CONSULTANTS INTERNATIONAL

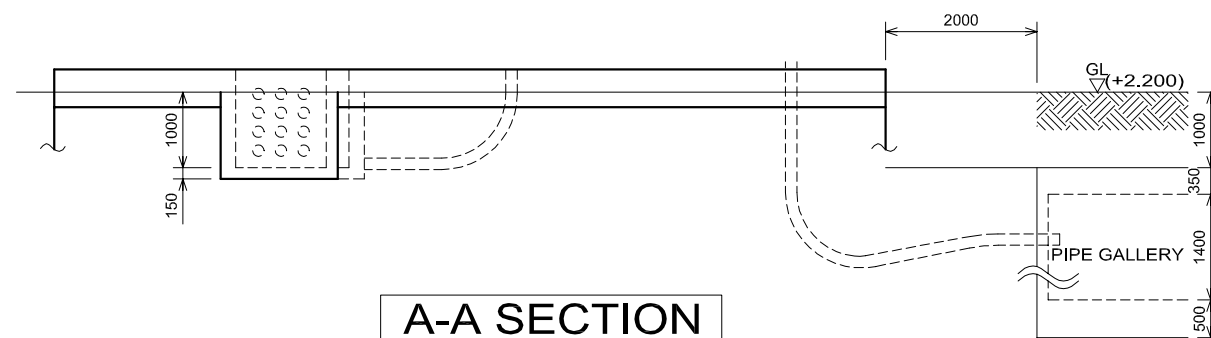
DESIGNED
KOMIYA NOBUO

CHECKED
KONDO MASAMI

DATE : JUNE 2001 DWG. No. PE - WWTP - 506



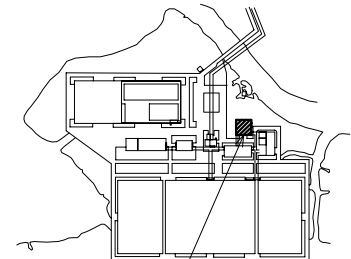
PLAN



A-A SECTION

LEGEND

No.	PANEL TYPE
1	22kV MAIN SUBSTATION FOUNDATION W8500 x D11000 x H500
2	MAN HOLE (FOR INCOMING CABLE) W1500 x D1500 x H1500



22kV MAIN SUBSTATION

KEY PLAN

NO.	DATE	DESCRIPTIONS	BY	APRO.

REVISIONS

PROJECT MANAGEMENT UNIT FOR
HO CHI MINH CITY
WATER ENVIRONMENT IMPROVEMENT

THE DETAILED DESIGN ON HO CHI MINH CITY
WATER ENVIRONMENT IMPROVEMENT PROJECT
IN THE SOCIALIST REPUBLIC OF VIET NAM

PACKAGE E
WASTEWATER TREATMENT PLANT

GENERAL ARRANGEMENT OF
EQUIPMENT FOUNDATION
FOR 22kV MAIN SUBSTATION

SCALE : 1/50

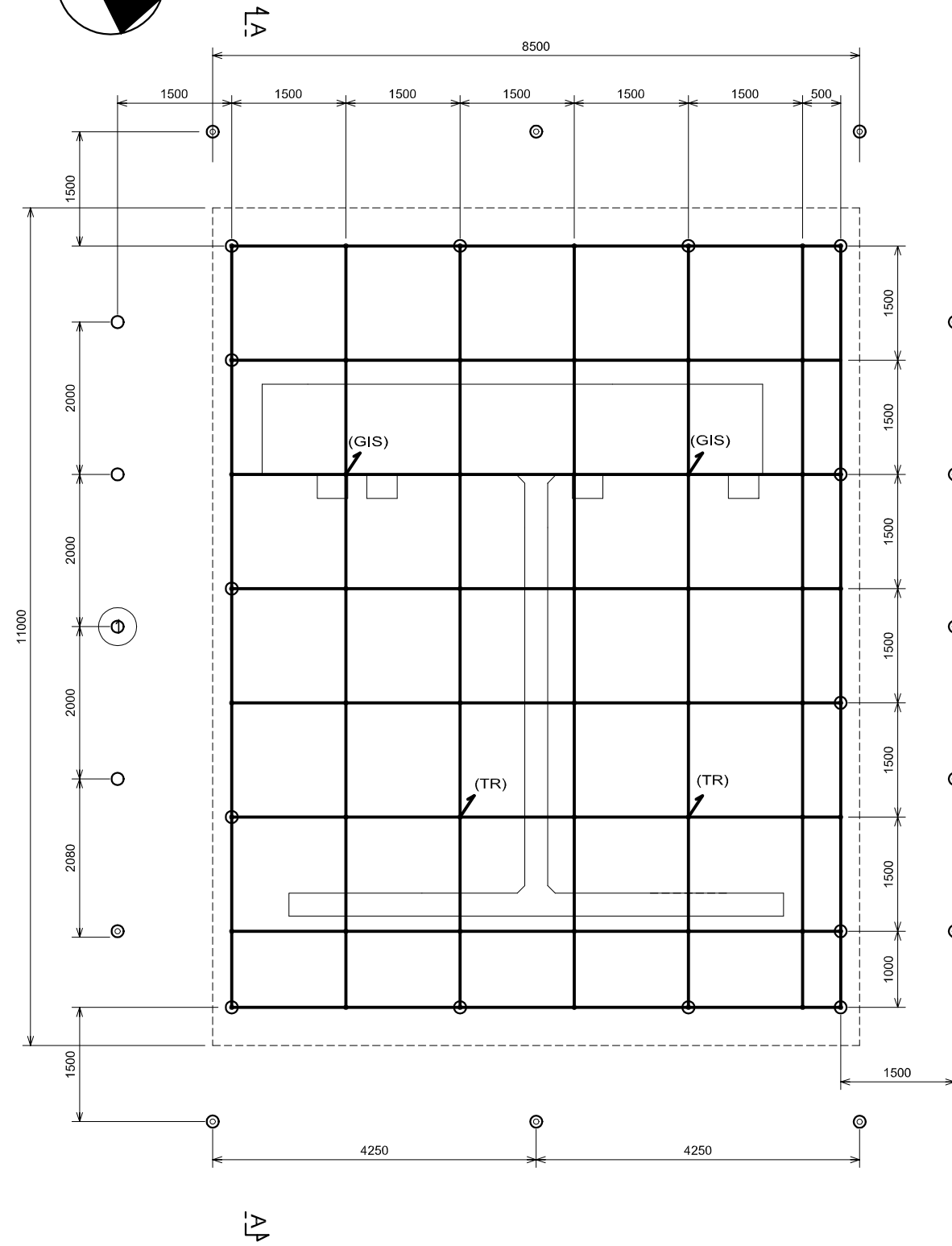
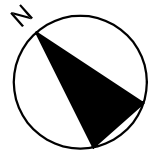
JICA JAPAN INTERNATIONAL COOPERATION
AGENCY (JICA)

PACIFIC CONSULTANTS INTERNATIONAL

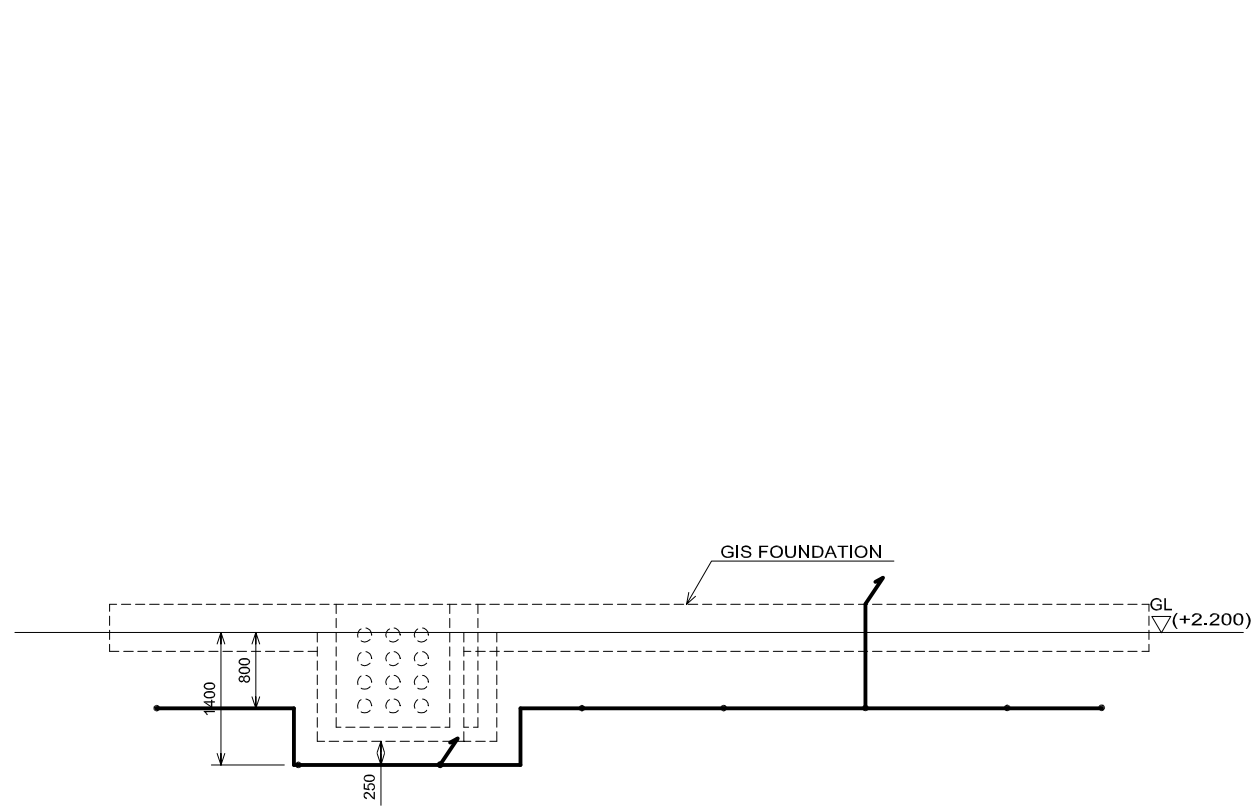
DESIGNED
KOMIYA NOBUO

CHECKED
KONDO MASAMI

DATE : JUNE 2001 DWG. No. PE - WWTP - 507

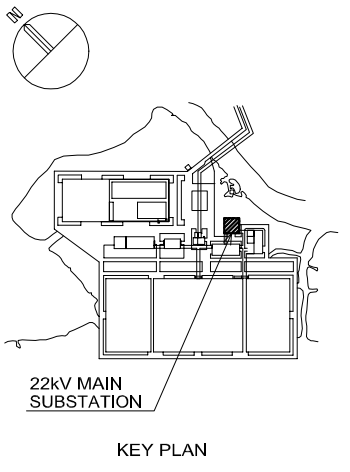


PLAN



A-A SECTION

- LEGEND:
- ⊙ FENCE EARTH ROD (SINGLE)
 - ⊕ MAIN EARTH ROD (DOUBLE)
 - ⊕ JOINT POINT
 - ⚡ CONNECTION TO EQUIPMENT



22kV MAIN SUBSTATION
KEY PLAN

NO.	DATE	DESCRIPTIONS	BY	APRO.

REVISIONS

PROJECT MANAGEMENT UNIT FOR
HO CHI MINH CITY
WATER ENVIRONMENT IMPROVEMENT

THE DETAILED DESIGN ON HO CHI MINH CITY
WATER ENVIRONMENT IMPROVEMENT PROJECT
IN THE SOCIALIST REPUBLIC OF VIET NAM

PACKAGE E
WASTEWATER TREATMENT PLANT

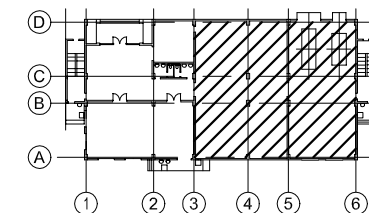
GENERAL ARRANGEMENT OF
EARTHING SYSTEM FOR
22kV MAIN SUBSTATION

SCALE : 1/40

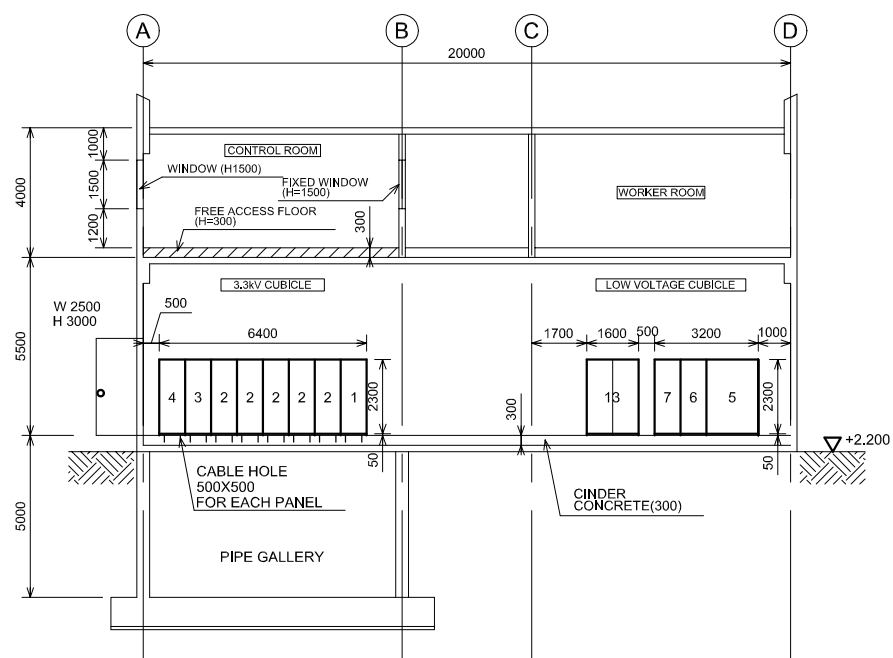
JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

PACIFIC CONSULTANTS INTERNATIONAL

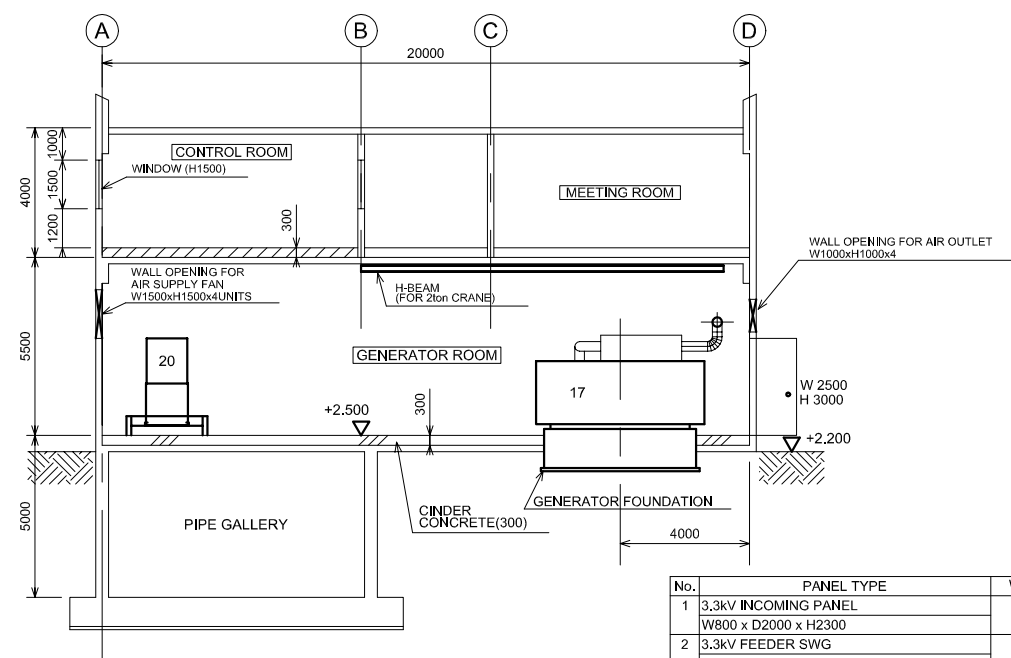
DESIGNED KOMIYA NOBUO	CHECKED KONDO MASAMI
DATE : JUNE 2001	DWG. No. PE - WWTP - 508



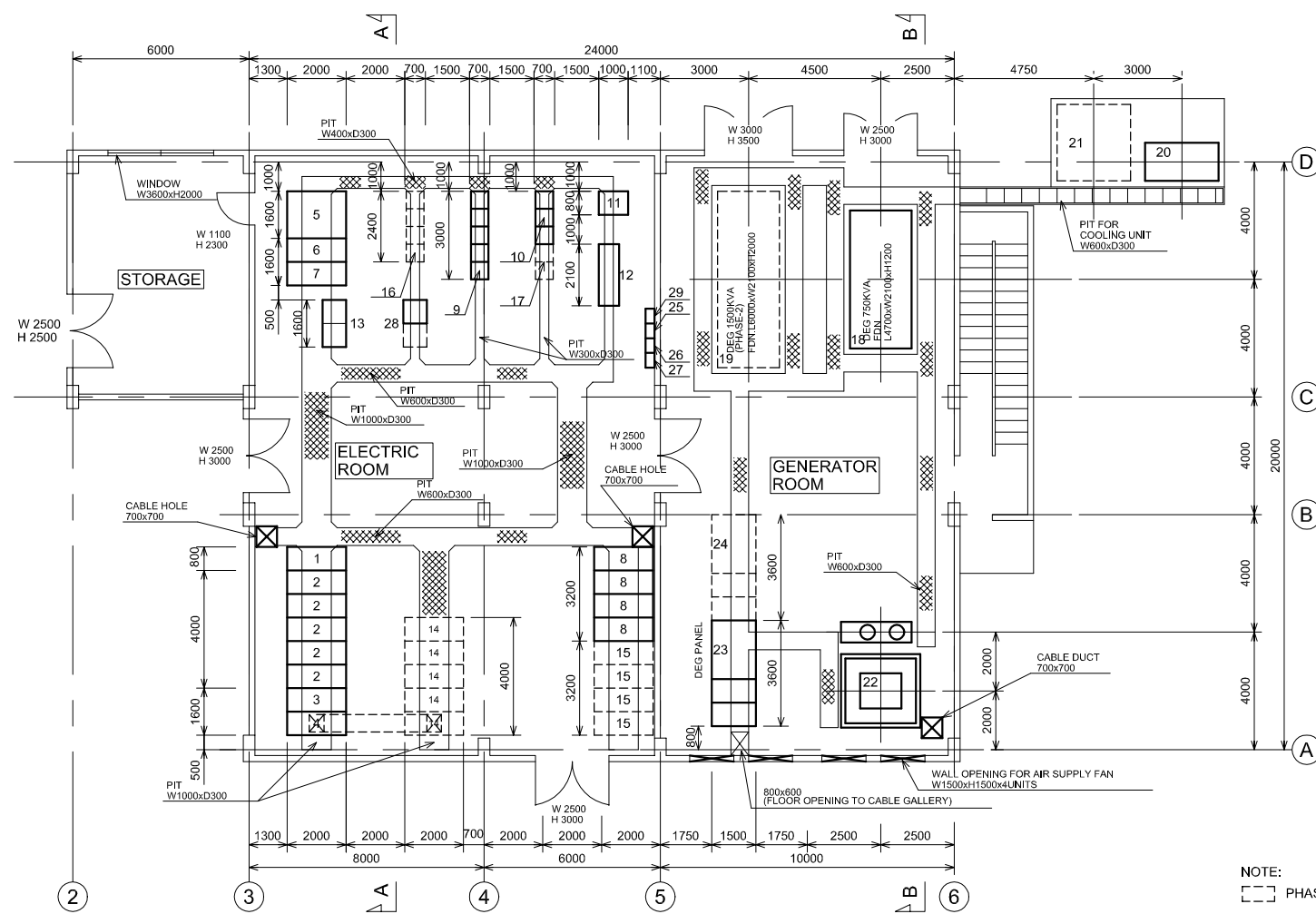
KEY PLAN



A-A SECTION



B-B SECTION



NOTE:
 [Symbol] PHASE-2

No.	PANEL TYPE	WEIGHT(Kg)
1	3.3kV INCOMING PANEL W800 x D2000 x H2300	500
2	3.3kV FEEDER SWG W800 x D2000 x H2300 x 5UNITS	2500
3	FDS PANEL W800 x D2000 x H2300	400
4	SECTION PANEL W800 x D2000 x H2300	500
5	750kVA TR PANEL W1600x D2000 x H2300	3100
6	LOW VOLTAGE SWG W800 x D2000 x H2300	400
7	AC DISTRIBUTION BOARD W800 x D2000 x H2300	200
8	CAPACITOR PANEL W800 x D2000 x H2300 x 4UNITS	2000
9	CC-200-1 W600 x D 600 x H2300 x 5UNITS	1000
10	Ry-1 W600 x D 600 x H2300 x 3UNITS	450
11	DC POWER SUPPLY SYSTEM W800 x D1000 x H2300	800
12	UPS W2100 x D700 x H1900	1500
13	22kV CONTROL & PROTECTION W1600 x D800 x H2300	800
14	3.3kV FEEDER SWG(PHASE-2) W800 x D2000 x H2300 x 5UNITS	2500
15	CAPACITOR PANEL(PHASE-2) W800 x D2000 x H2300 x 4UNITS	2000
16	CC-200-2(PHASE-2) W600 x D 600 x H2300 x 4UNITS	800
17	Ry-2(PHASE-2) W600 x D 600 x H2300 x 2UNITS	300
18	750kVA EMERGENCY GENERATOR W1600 x L5200 x H2100	8200
19	1500kVA EMERGENCY GENERATOR(PHASE-2) W2100 x L6500 x H2800	16500
20	COOLING UNIT W1300 x L2500 x H2000	2000
21	COOLING UNIT(PHASE-2) W2600 x L2500 x H2000	4000
22	FUEL TANK W1400 x L1200 x H2700	2000
23	DEG PANEL W3600 x L1500 x H2300	1500
24	DEG PANEL(PHASE-2) W3600 x L1500 x H2300	1500
25	OUTDOOR LIGHTING DISTRIBUTION BOARD	
26	PIPE GALLERY LIGHTING DISTRIBUTION BOARD	
27	VENTILATION FAN CONTROL SWITCH	
28	OLTC CONTROL PANEL W800 x D 800 x H2300 x 2UNITS	400
29	MO-2 PANEL (ARCHITECTURE WORK)	

NO.	DATE	DESCRIPTIONS	BY	APRO.

REVISIONS

PROJECT MANAGEMENT UNIT FOR
 HO CHI MINH CITY
 WATER ENVIRONMENT IMPROVEMENT

THE DETAILED DESIGN ON HO CHI MINH CITY
 WATER ENVIRONMENT IMPROVEMENT PROJECT
 IN THE SOCIALIST REPUBLIC OF VIET NAM

PACKAGE E
 WASTEWATER TREATMENT PLANT

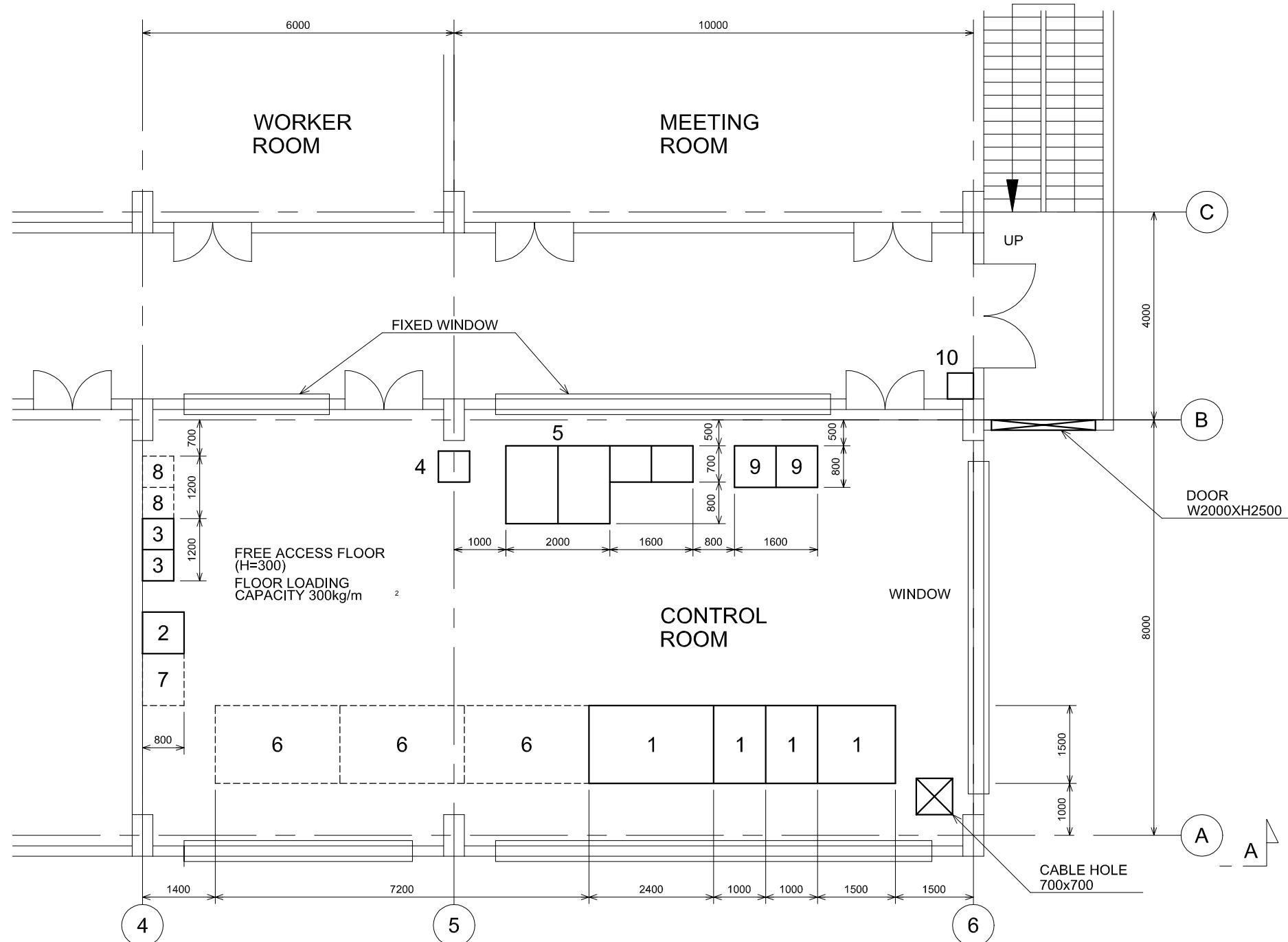
GENERAL ARRANGEMENT FOR
 MAIN BUILDING ELECTRIC ROOM
 & GENERATOR ROOM

SCALE : 1/100

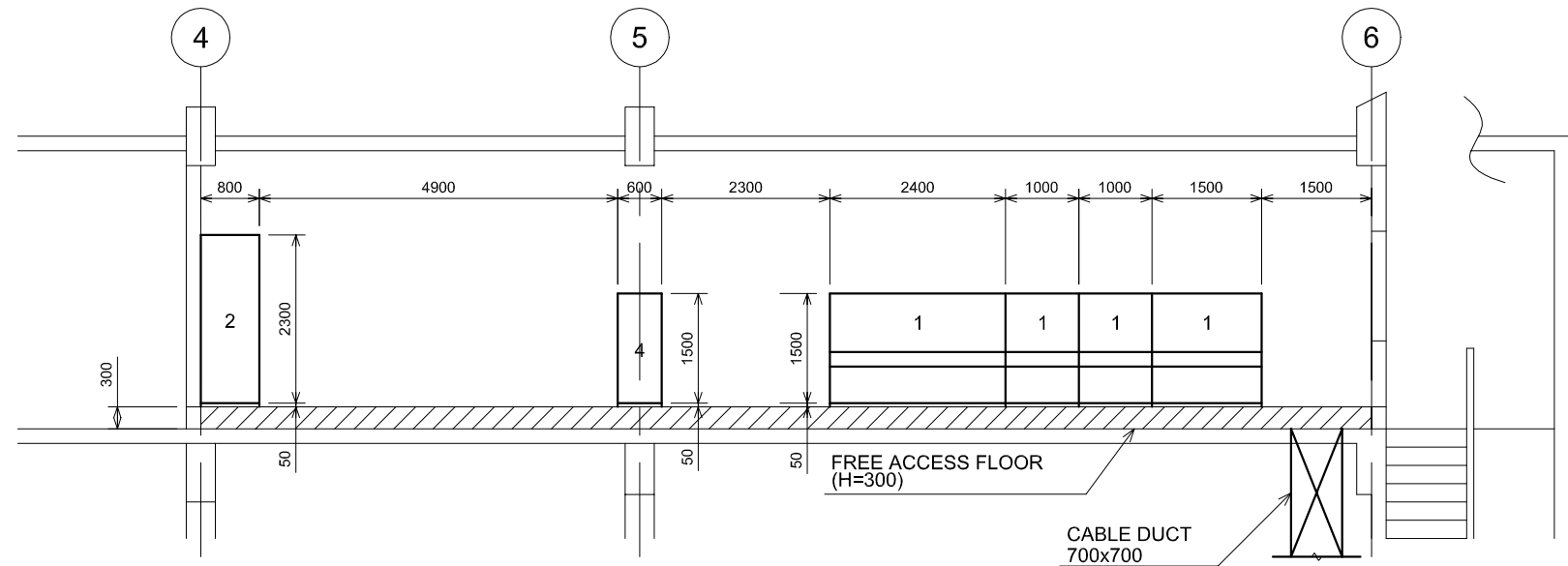
JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

PACIFIC CONSULTANTS INTERNATIONAL

DESIGNED KOMIYA NOBUO	CHECKED KONDO MASAMI
DATE : JUNE 2001	DWG. No. PE - WWTP - 509



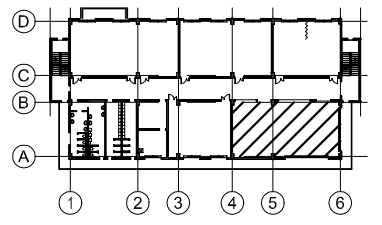
PLAN



A-A SECTION

LEGEND

No.	EQUIPMENT NAME & SIZE	WEIGHT(kg)
1	SUPERVISORY PANEL W1500,1000,2400xD1500xH1500	2,400
2	INSTRUMENTATION PANEL W800xD800xH2300	300
3	INTERFACE PANEL W600xD600xH2300X2UNITS	800
4	COMMUNICATION PANEL W600xD600xH1500	100
5	DATA LOGGING SYSTEM W3600xD1500xH1250	400
6	SUPERVISORY PANEL(PHASE-2) W2400xD1500xH1500x3UNITS	2,400
7	INSTRUMENTATION PANEL(PHASE-2) W1000xD800xH2300	400
8	INTERFACE PANEL(PHASE-2) W600xD600xH2300X2UNITS	800
9	BILLMETERING PANEL W800xD800xH2300X2UNITS	400
10	MO-3 PANEL (ARCHITECTURE WORK)	



KEY PLAN

NO.	DATE	DESCRIPTIONS	BY	APRO.

REVISIONS

PROJECT MANAGEMENT UNIT FOR
HO CHI MINH CITY
WATER ENVIRONMENT IMPROVEMENT

THE DETAILED DESIGN ON HO CHI MINH CITY
WATER ENVIRONMENT IMPROVEMENT PROJECT
IN THE SOCIALIST REPUBLIC OF VIET NAM

PACKAGE E
WASTEWATER TREATMENT PLANT

**GENERAL ARRANGEMENT FOR
MAIN BUILDING CONTROL ROOM**

SCALE : 1/50

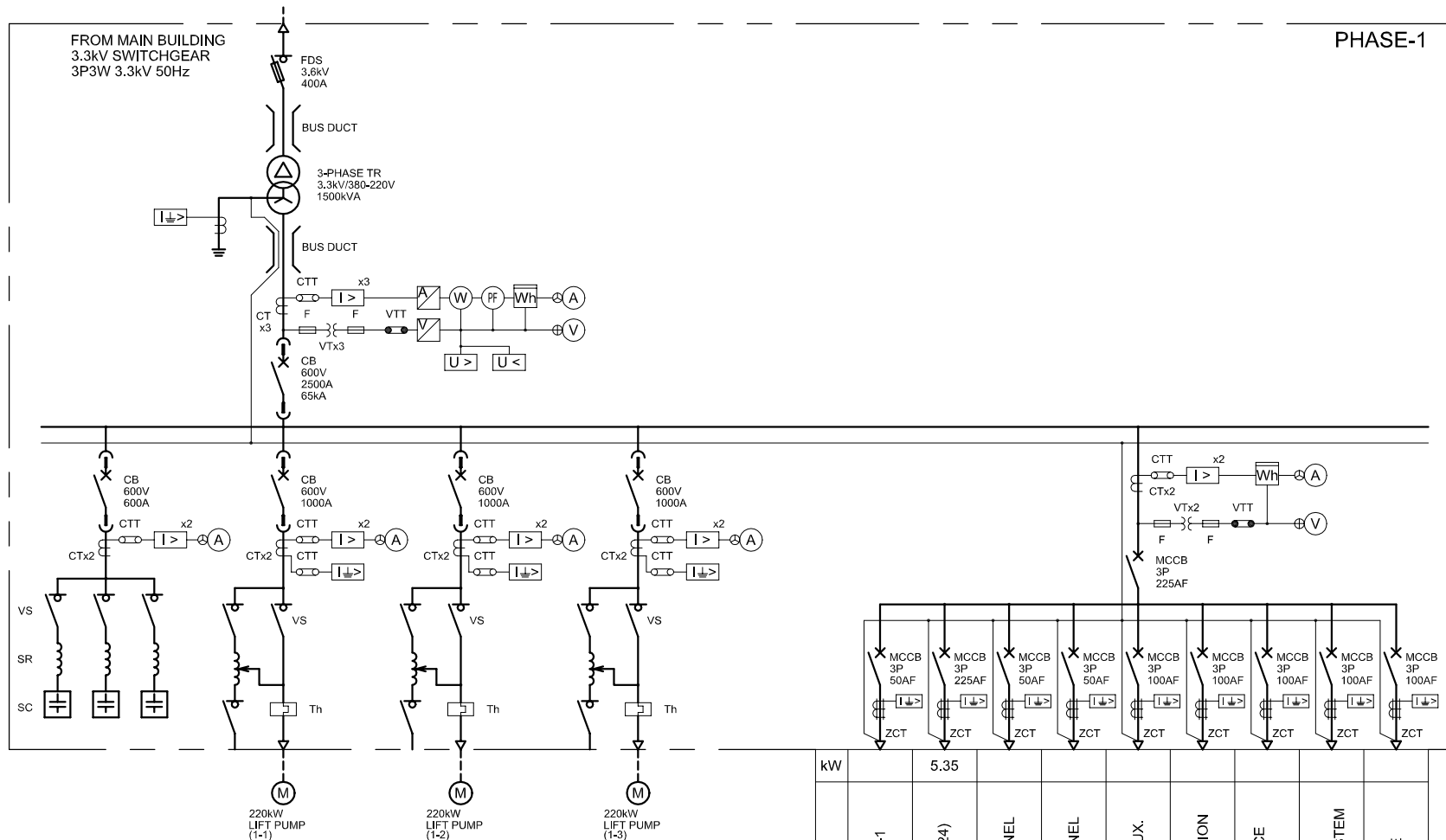
JAPAN INTERNATIONAL COOPERATION
AGENCY (JICA)

PACIFIC CONSULTANTS INTERNATIONAL

DESIGNED
KOMIYA NOBUO

CHECKED
KONDO MASAMI

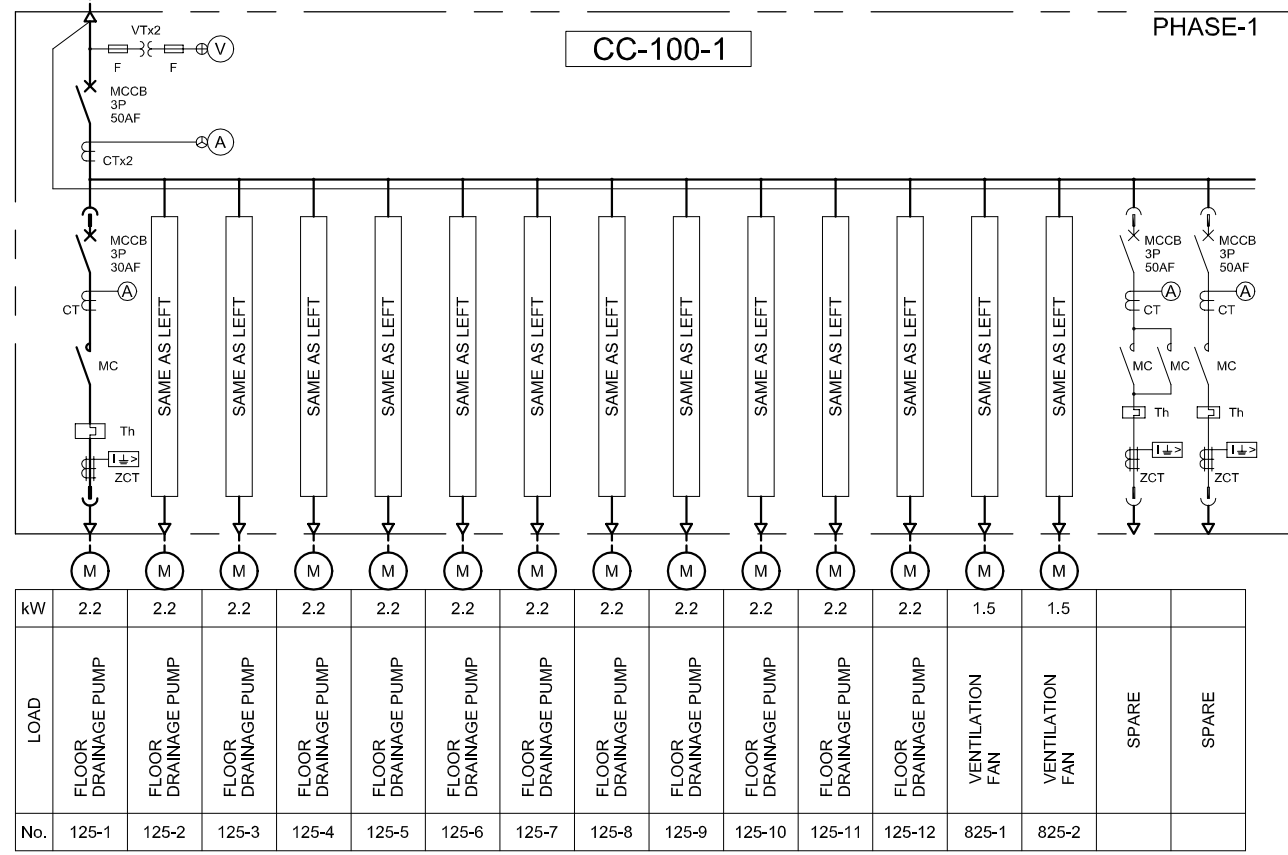
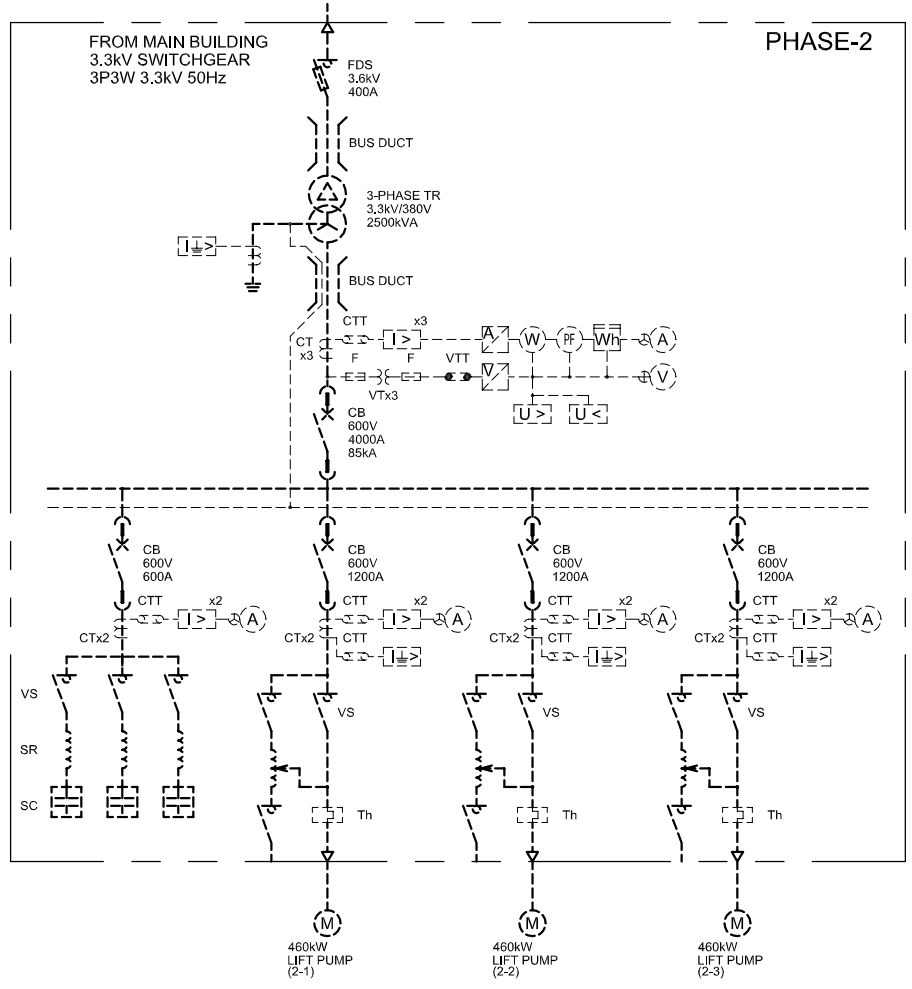
DATE : JUNE 2001 DWG. No. PE - WWTP - 510



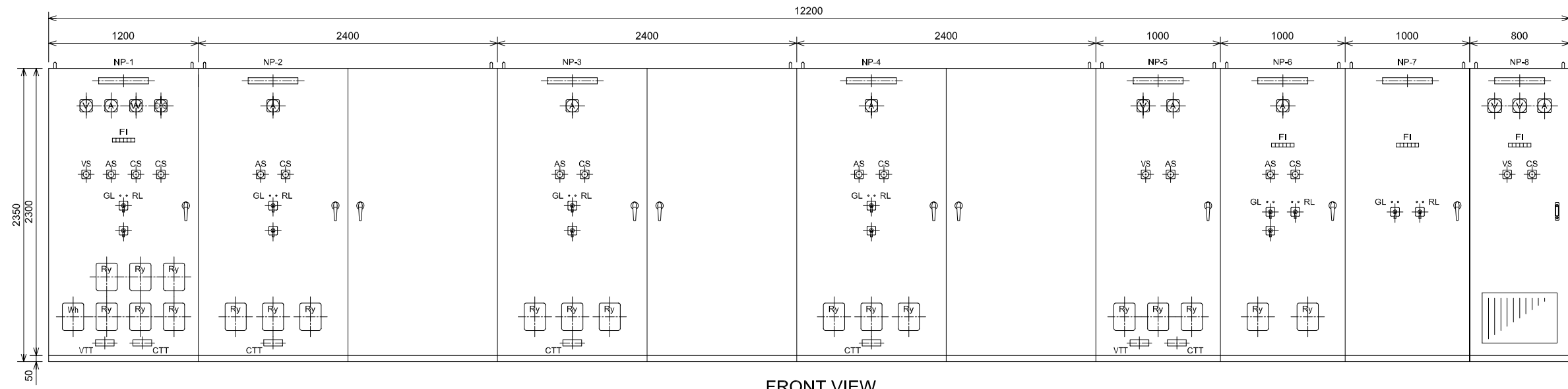
LEGEND

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
(A)	AMMETER	FDS	FUSE SWITCH DISCONNECTOR
(V)	VOLTMETER	F	FUSE
(W)	WATTMETER	VTT	VOLTAGE TEST TERMINAL
(PF)	POWER FACTOR METER	CTT	CURRENT TEST TERMINAL
(Wh)	WATT-HOUR METER	ZCT	ZERO PHASE CURRENT TRANSFORMER
(U<)	UNDER VOLTAGE RELAY	VS	VACUUM SWITCH
(U>)	OVER VOLTAGE RELAY	MCCB	MOLDED CASE CIRCUIT BREAKER
(I>)	OVER CURRENT RELAY	MC	MAGNETIC CONTACTOR
(I>G)	OVER CURRENT GROUND RELAY	SC	STATIC CAPACITOR
Th	THERMAL OVER CURRENT RELAY	SR	STATIC REACTOR
TR	TRANSFORMER	M	MOTER
CB	CIRCUIT BREAKER	⊕	AMMETER CHANGE-OVER SWITCH
VT	VOLTAGE TRANSFORMER	⊕	VOLTMETER CHANGE-OVER SWITCH
CT	CURRENT TRANSFORMER	⊕	TRANSDUCER

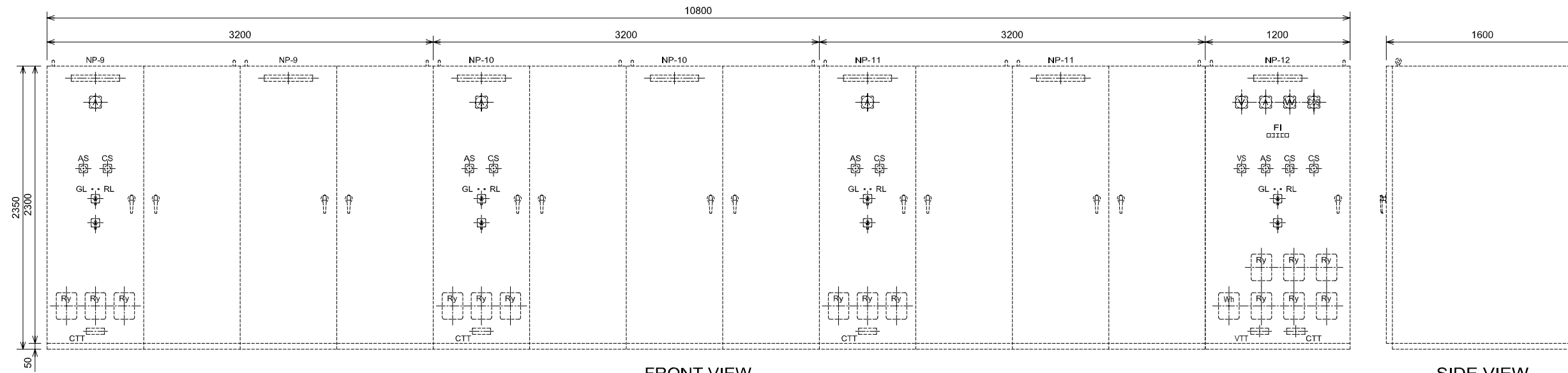
LOAD	kw
CC-100-1	5.35
HOIST(124)	
LPS-1 PANEL	
LPS-2 PANEL	
PANEL AUX.	
VENTILATION	
INTERFACE PANEL	
DC POWER SUPPLY SYSTEM	
SPARE	



NO.	DATE	DESCRIPTIONS	BY	APRO.
REVISIONS				
PROJECT MANAGEMENT UNIT FOR HO CHI MINH CITY WATER ENVIRONMENT IMPROVEMENT				
THE DETAILED DESIGN ON HO CHI MINH CITY WATER ENVIRONMENT IMPROVEMENT PROJECT IN THE SOCIALIST REPUBLIC OF VIET NAM				
PACKAGE E WASTEWATER TREATMENT PLANT				
SINGLE LINE DIAGRAM FOR LIFT PUMPING STATION ELECTRIC ROOM				
SCALE : N.T.S				
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)				
PACIFIC CONSULTANTS INTERNATIONAL				
DESIGNED KOMIYA NOBUO		CHECKED KONDO MASAMI		
DATE : JUNE 2001		DWG. No. PE - WWTP - 511		

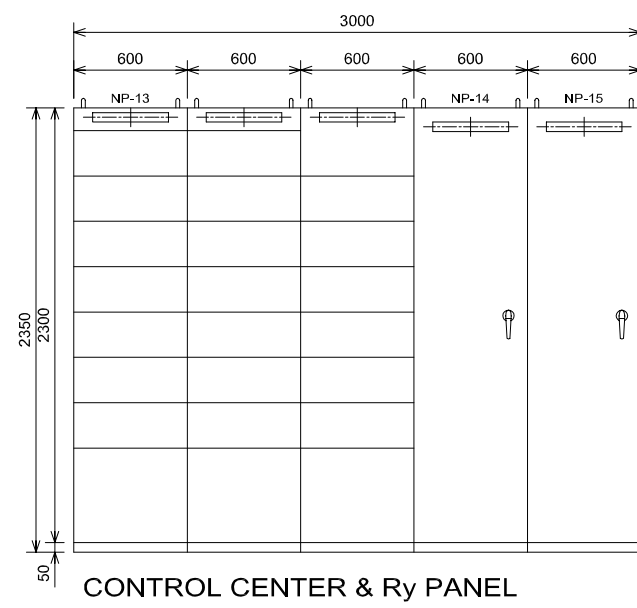


FRONT VIEW

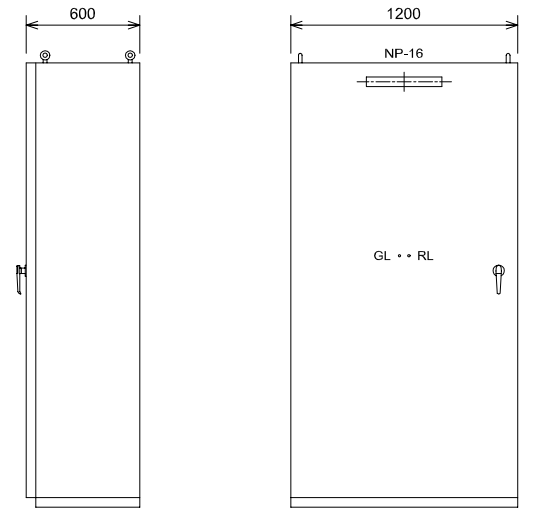


FRONT VIEW

SIDE VIEW



CONTROL CENTER & Ry PANEL



TR PRIMARY PANEL

NAME PLATE(NP)	
No.	DESCRIPTION
NP-1	380V INCOMING PANEL(1)
NP-2	LIFT PUMP(1-1) STARTING PANEL
NP-3	LIFT PUMP(1-2) STARTING PANEL
NP-4	LIFT PUMP(1-3) STARTING PANEL
NP-5	AC DISTRIBUTION PANEL
NP-6	CAPACITOR PANEL(1)
NP-7	CAPACITOR PANEL(2)
NP-8	DC POWER SUPPLY SYSTEM
NP-9	LIFT PUMP(2-1) STARTING PANEL
NP-10	LIFT PUMP(2-2) STARTING PANEL
NP-11	LIFT PUMP(2-3) STARTING PANEL
NP-12	380V INCOMING PANEL (2)
NP-13	CC-100-1
NP-14	COMMON RELAY PANEL
NP-15	INTERFACE PANEL
NP-16	TR PRIMARY PANEL

NOTE:
 PHASE-2

NO.	DATE	DESCRIPTIONS	BY	APRO.

REVISIONS

PROJECT MANAGEMENT UNIT FOR
 HO CHI MINH CITY
 WATER ENVIRONMENT IMPROVEMENT

THE DETAILED DESIGN ON HO CHI MINH CITY
 WATER ENVIRONMENT IMPROVEMENT PROJECT
 IN THE SOCIALIST REPUBLIC OF VIET NAM

PACKAGE E
 WASTEWATER TREATMENT PLANT

OUTLINE DIMENSION OF SWITCHGEARS
 FOR LIFT PUMPING STATION
 ELECTRIC ROOM

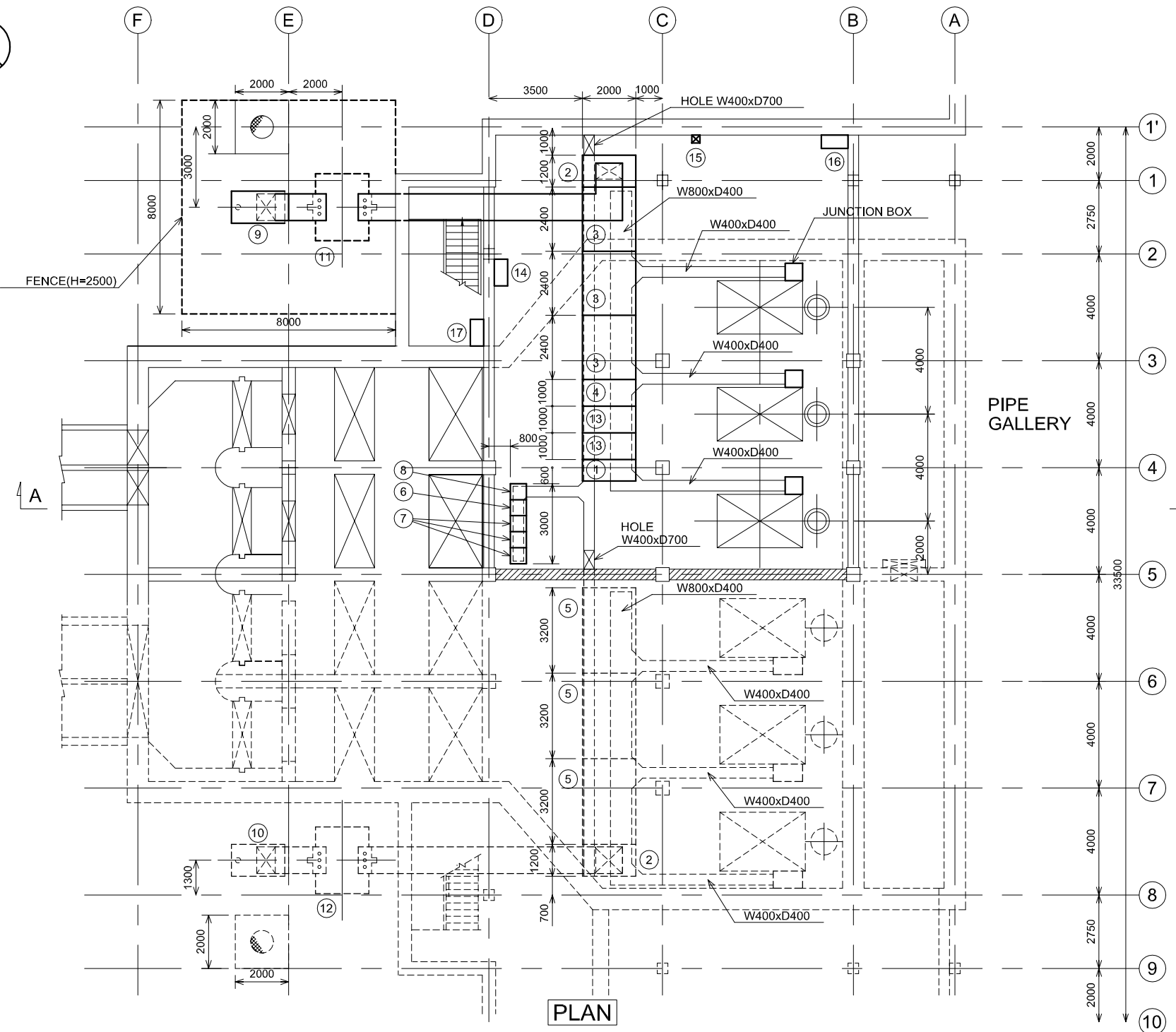
SCALE : 1/20

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

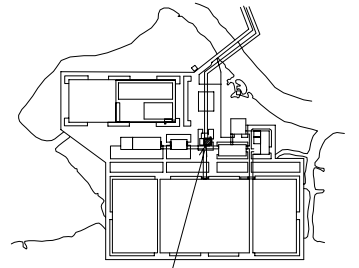
PACIFIC CONSULTANTS INTERNATIONAL

DESIGNED KOMIYA NOBUO	CHECKED KONDO MASAMI
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DATE : JUNE 2001 DWG. No. PE - WWTP - 512



No.	PANEL TYPE & SIZE	WEIGHT(kg)
1	DC POWER SUPPLY SYSTEM W800xD1000xH2300	800
2	380V INCOMING PANEL W1200xD2000xH2300x2UNITS	1,600
3	LIFT PUMP(1) STARTING PANEL W2400xD2000xH2300x3UNITS	18,000
4	AC DISTRIBUTION PANEL W1000xD2000xH2300	500
5	LIFT PUMP(2) STARTING PANEL(PHASE-2) W3200xD2000xH2300x3UNITS	27,000
6	COMMON RELAY PANEL W600xD600xH2300	150
7	CC-100-1 W600xD600xH2300x3UNITS	600
8	INTERFACE PANEL W600xD600xH2300	200
9	TR PRIMARY PANEL W1200xD2000xH2300	500
10	TR PRIMARY PANEL(PHASE-2) W1200xD2000xH2300	500
11	1500KVA TRANSFORMER W3290xD2200xH2700	6,300
12	2500kVA TRANSFORMER W3400xD2600xH3100	8,300
13	CAPACITOR PANEL W1000xD600xH2300x2UNITS	2,000
14	OUTDOOR LIGHTING DISTRIBUTION BOX	
15	HOIST SWITCH BOX	
16	LPS-1 PANEL (ARCHITECTURE WORK)	
17	LPS-2 PANEL (B1F) (ARCHITECTURE WORK)	



LIFT PUMPING
STATION
ELECTRIC ROOM
KEY PLAN

NO.	DATE	DESCRIPTIONS	BY	APRO.

REVISIONS

PROJECT MANAGEMENT UNIT FOR
HO CHI MINH CITY
WATER ENVIRONMENT IMPROVEMENT

THE DETAILED DESIGN ON HO CHI MINH CITY
WATER ENVIRONMENT IMPROVEMENT PROJECT
IN THE SOCIALIST REPUBLIC OF VIET NAM

PACKAGE E
WASTEWATER TREATMENT PLANT

GENERAL ARRANGEMENT FOR
LIFT PUMPING STATION
ELECTRIC ROOM

SCALE : 1/100

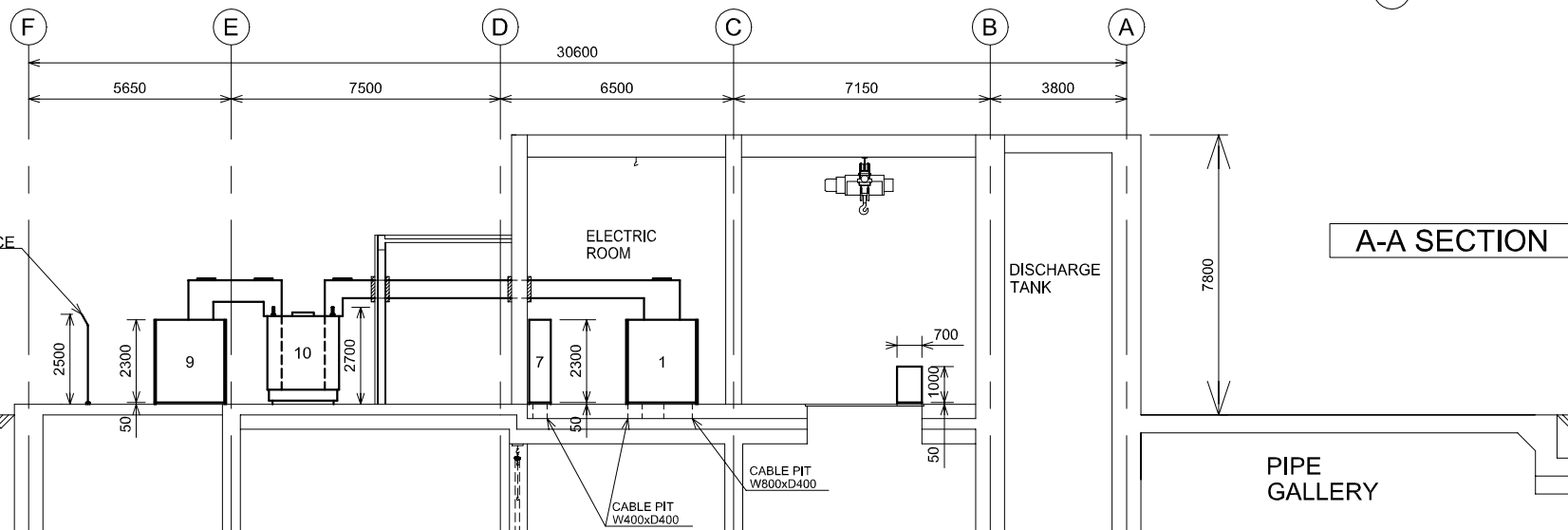
JICA JAPAN INTERNATIONAL COOPERATION
AGENCY (JICA)

PACIFIC CONSULTANTS INTERNATIONAL

DESIGNED
KOMIYA NOBUO

CHECKED
KONDO MASAMI

DATE : JUNE 2001 DWG. No. PE - WWTP - 513



NOTE
:PHASE-2