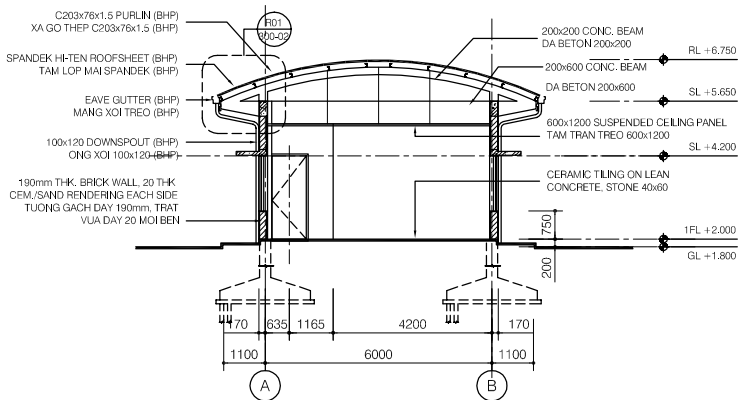
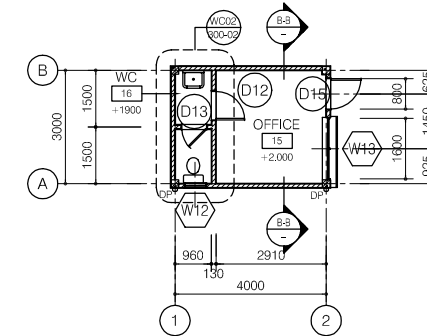


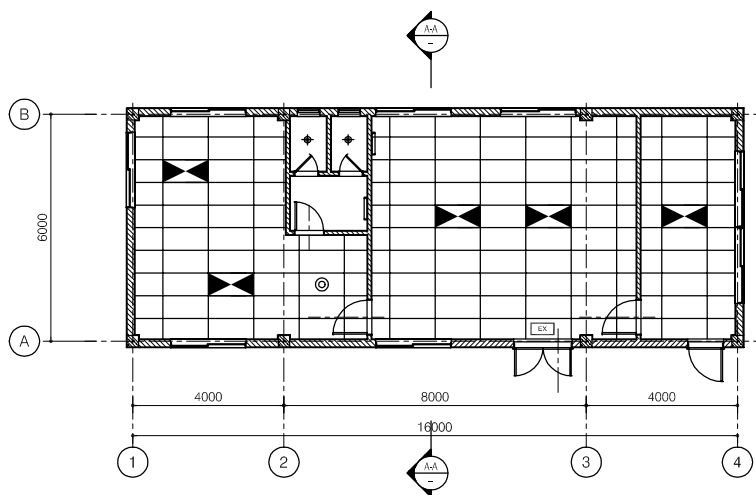
FIRST FLOOR PLAN



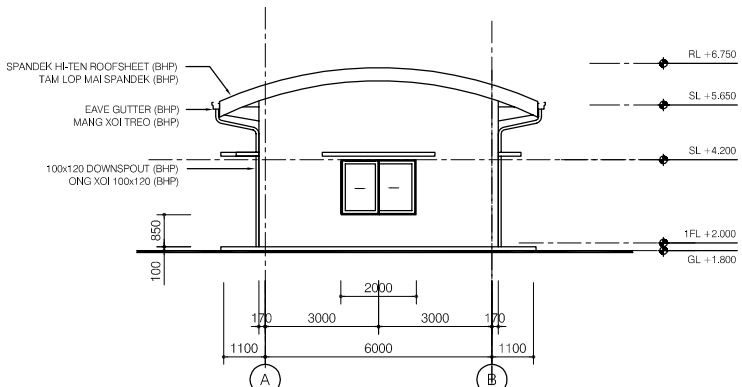
CROSS SECTION A-A



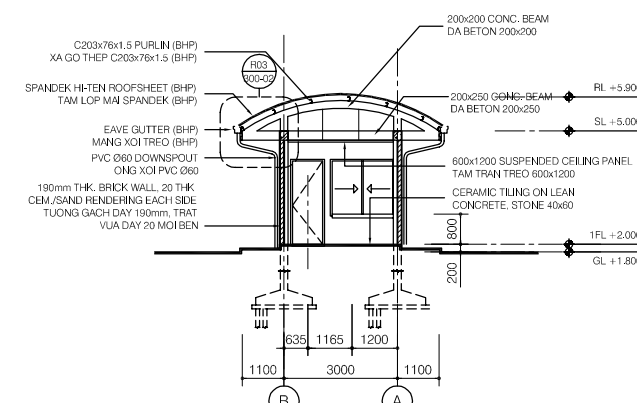
GUARD HOUSE FLOOR PLAN



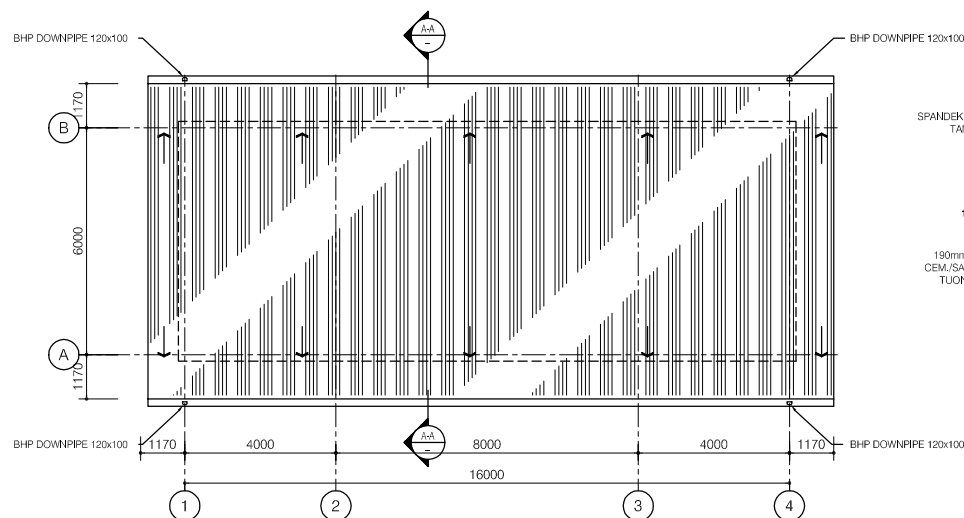
CEILING PLAN



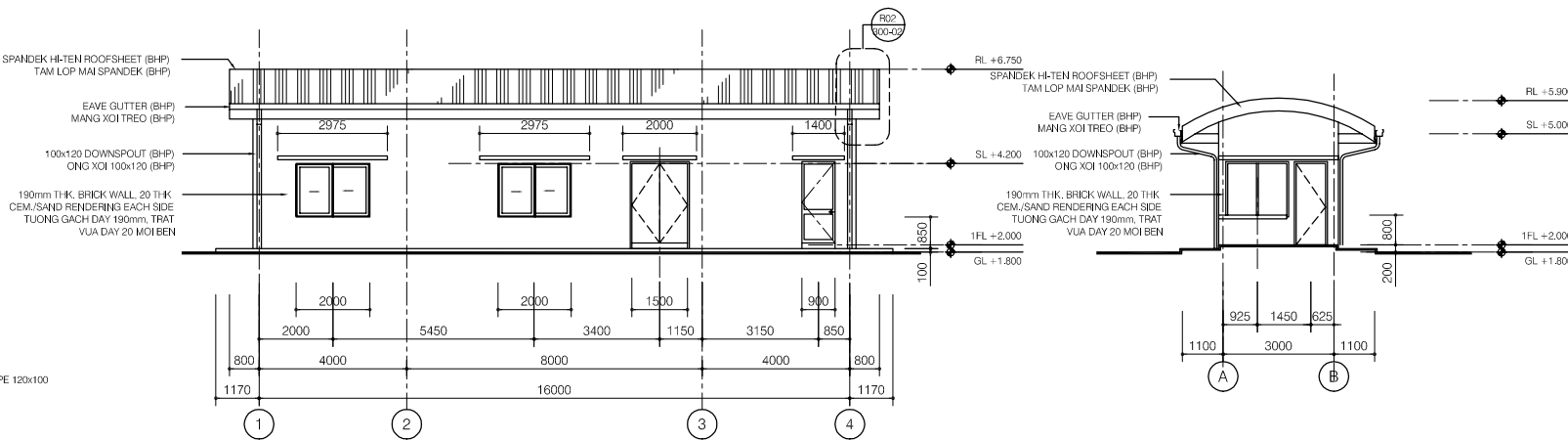
ELEVATION LINE 4



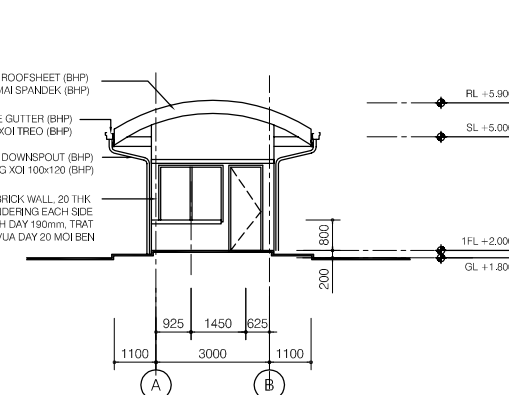
CROSS SECTION B-B



ROOF PLAN



ELEVATION LINE A



ELEVATION 2

LEGEND

- 190mm THK. BRICK WALL, 20THK CEM./SAND RENDERING ON SURFACE / TUONG GACH DAY 190mm, TRAT VUA DAY 20 MOI MAT
- 90mm THK. BRICK WALL, 20THK CEM./SAND RENDERING ON SURFACE / TUONG GACH DAY 90mm, TRAT VUA DAY 20 MOI MAT
- 2x40W FLUORESCENT LIGHT, RECESSED TYPE
- 1x40W FLUORESCENT LIGHT, BATTEN
- 1x60W LIGHT (FOR WC)
- 1x60W CEILING MOUNTED TYPE
- EXIT LIGHT

NO.	DATE	DESCRIPTIONS	BY	APPRO.

REVISIONS

PROJECT MANAGEMENT UNIT FOR
HO CHI MINH CITY
WATER ENVIRONMENT IMPROVEMENT

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

PACKAGE B
PUMP DRAINAGE IMPROVEMENT
BEN ME COC (1) O/M OFFICE & GUARD
HOUSE - PLANS, SECTIONS & ELEVATION

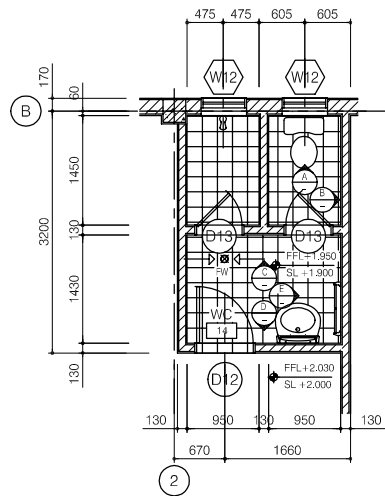
SCALE : 1/100

JAPAN INTERNATIONAL COOPERATION
AGENCY (JICA)

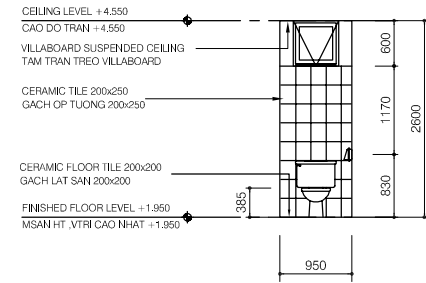
PACIFIC CONSULTANTS INTERNATIONAL

DESIGNED: TOKUMASU TOSHIKI
CHECKED: KONDO MASAMI

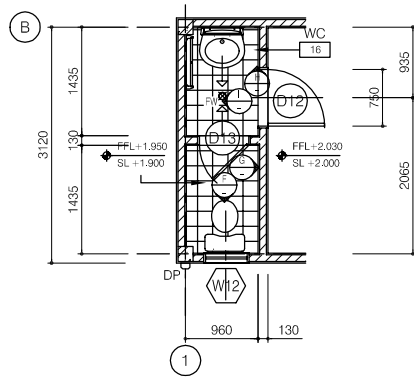
DATE : JUNE 2001 DWG. No. PB - PDI - BCM1 - 301



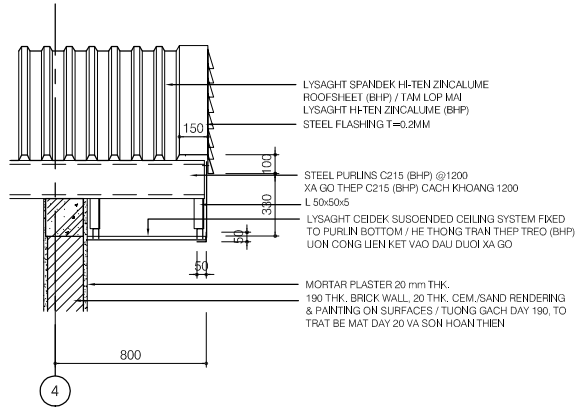
FLOOR PLAN - WC01
SCALE: 1/50



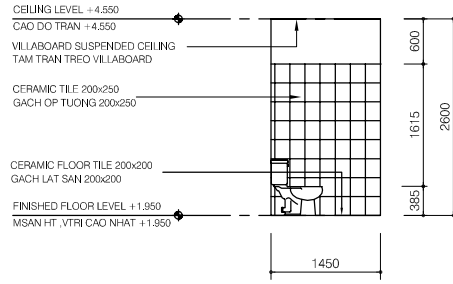
ELEVATION A
SCALE: 1/50



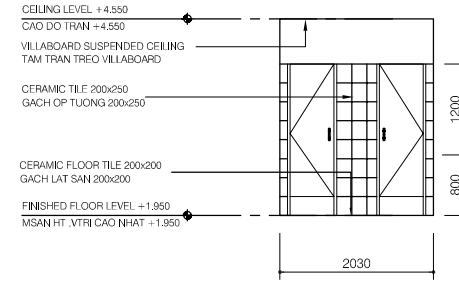
FLOOR PLAN - WC02
SCALE: 1/50



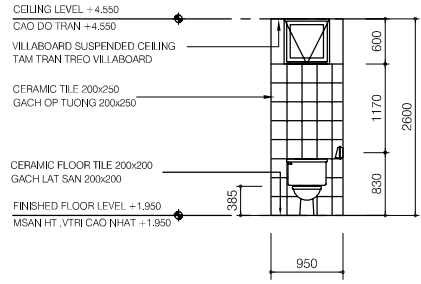
SECTION DETAIL - R02
SCALE: 1/20



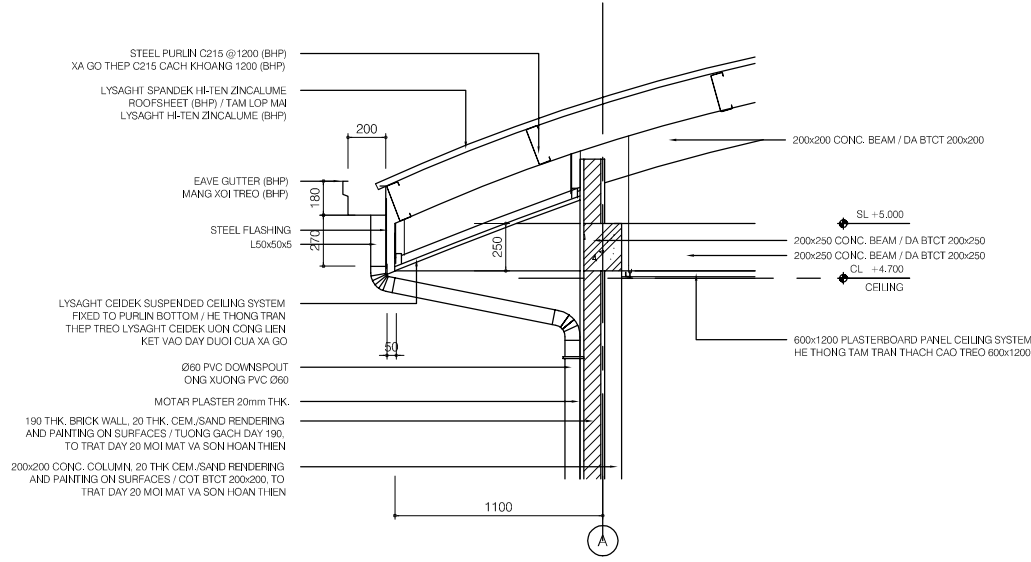
ELEVATION B
SCALE: 1/50



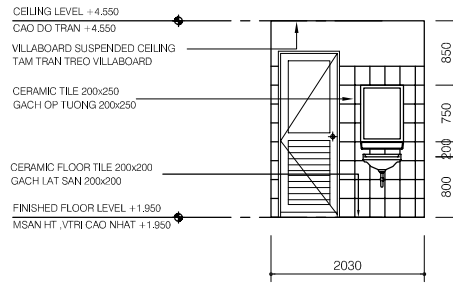
ELEVATION C
SCALE: 1/50



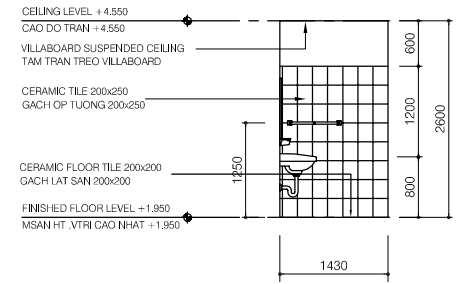
ELEVATION F
SCALE: 1/50



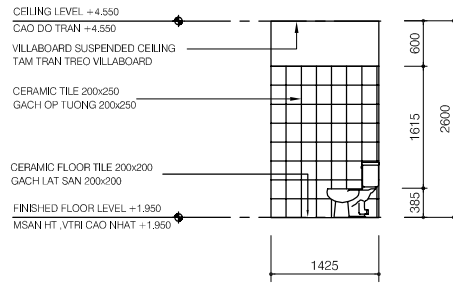
SECTION DETAIL - R03
SCALE: 1/20



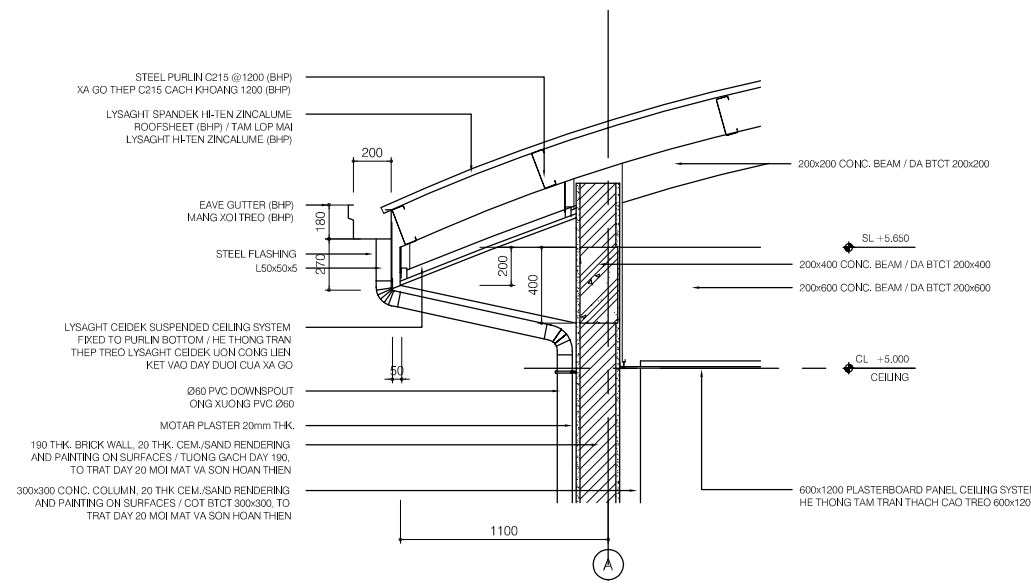
ELEVATION D
SCALE: 1/50



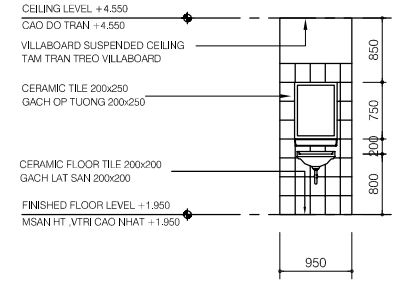
ELEVATION E
SCALE: 1/50



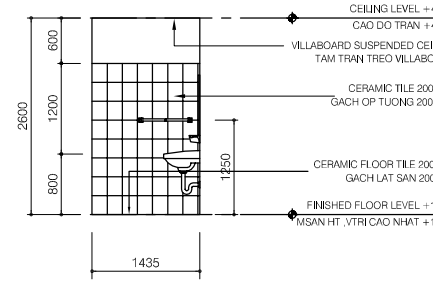
ELEVATION G
SCALE: 1/50



SECTION DETAIL - R01
SCALE: 1/20



ELEVATION H
SCALE: 1/50



ELEVATION I
SCALE: 1/50

LEGEND

- 190mm THK. BRICK WALL, 20THK CEM./SAND RENDERING ON SURFACE / TUONG GACH DAY 190mm, TRAT VUA DAY 20 MOI MAT
- 90mm THK. BRICK WALL, 20THK CEM./SAND RENDERING ON SURFACE / TUONG GACH DAY 90mm, TRAT VUA DAY 20 MOI MAT

NO.	DATE	DESCRIPTIONS	BY	APPRO.
REVISIONS				

PROJECT MANAGEMENT UNIT FOR
HO CHI MINH CITY
WATER ENVIRONMENT IMPROVEMENT

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

PACKAGE B
PUMP DRAINAGE IMPROVEMENT
BEN ME COC (1) O/M OFFICE & GUARD
HOUSE - TOILET & ROOF DETAILS

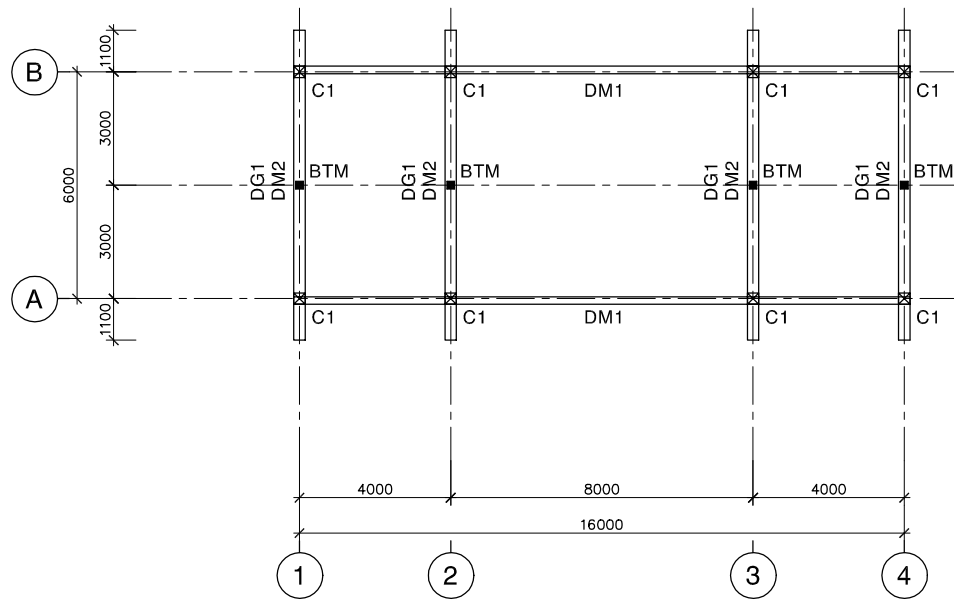
SCALE : 1/20, 1/50

JICA JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

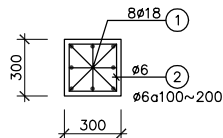
PACIFIC CONSULTANTS INTERNATIONAL

DESIGNED: TOKUMASU TOSHIKI
CHECKED: KONDO MASAMI

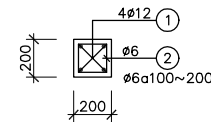
DATE : JUNE 2001 DWG. No. PB - PDI - BCM1 - 302



MẶT BẰNG DẦM MÁI
PLAN OF ROOF BEAMS

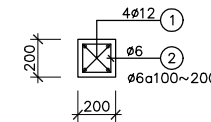


COLUMN C1
(FROM +1.950~+5.650, 8 PCS)



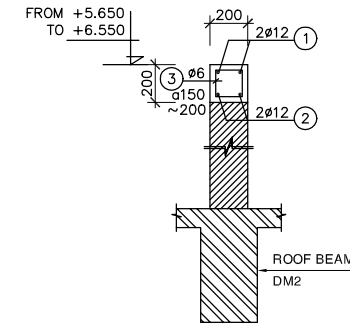
SUB-COLUMN BT

(FROM +1.950~+5.650, 5 PCS)

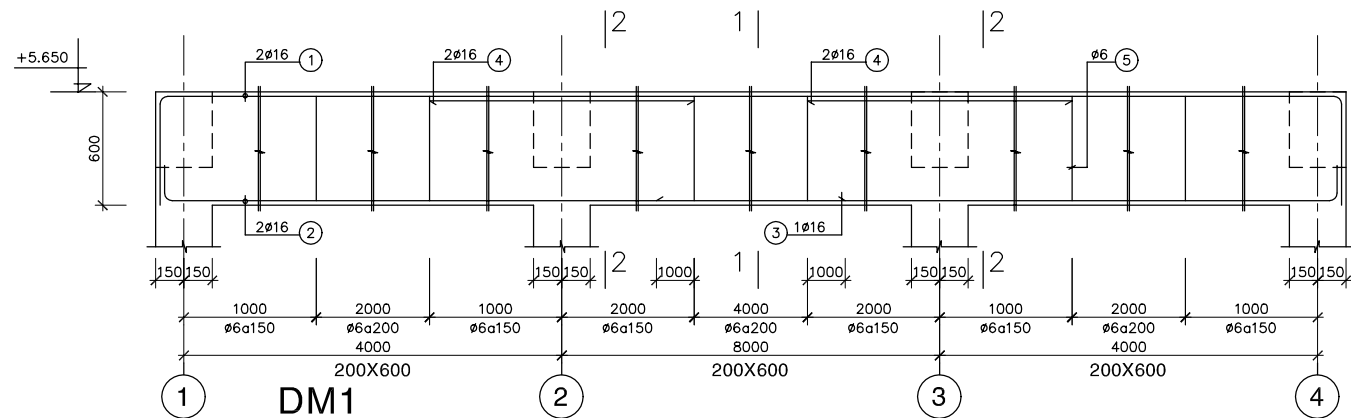


SUB-COLUMN BTM

(FROM +5.650~+6.550, 4 PCS)

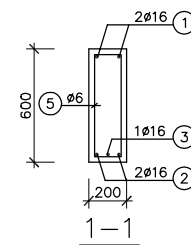


DG1
(4 PCS)

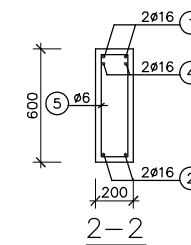


DM1

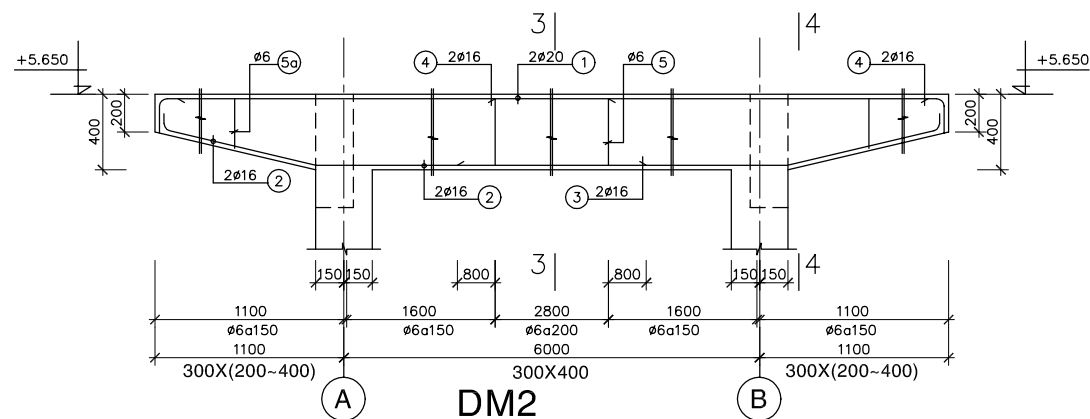
(L=16300, 2 PCS)



1-1

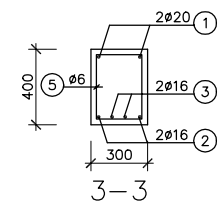


2-2

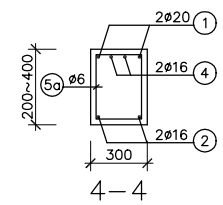


DM2

(L=8200, 4 PCS)



3-3



4-4

GHI CHÚ:

- BÊ TÔNG LÓT ĐÁ 40X60, MÁC 100
- BÊ TÔNG ĐÁ 10X20, MÁC 300
- CỐT THÉP Ra=2000 Kg/cm²

NOTE :

- LEAN CONCRETE STONE 40x60, GRADE 100
- CONCRETE STONE 10x20, GRADE 300
- REINFORCEMENT Ra=2000 Kg/cm²

NO.	DATE	DESCRIPTIONS	BY	APRO.

REVISIONS

PROJECT MANAGEMENT UNIT FOR
HO CHI MINH CITY
WATER ENVIRONMENT IMPROVEMENT

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

PACKAGE B
PUMP DRAINAGE IMPROVEMENT

BEN ME COC (1) O/M OFFICE
PLAN & DETAILS OF ROOF BEAMS,
COLUMNS

SCALE : N.T.S

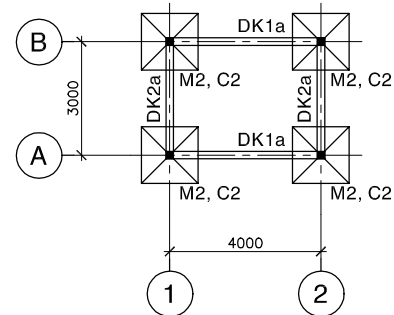
JICA JAPAN INTERNATIONAL COOPERATION
AGENCY (JICA)

P PACIFIC CONSULTANTS INTERNATIONAL

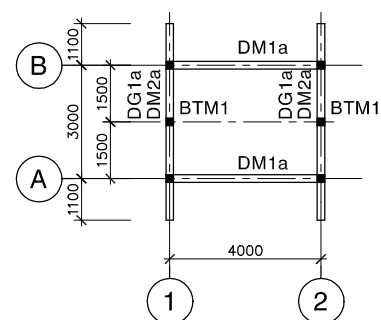
DESIGNED
TOKUMASU TOSHIAKI

CHECKED
KONDO MASAMI

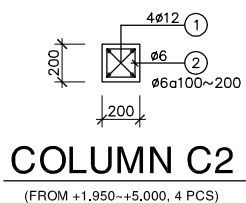
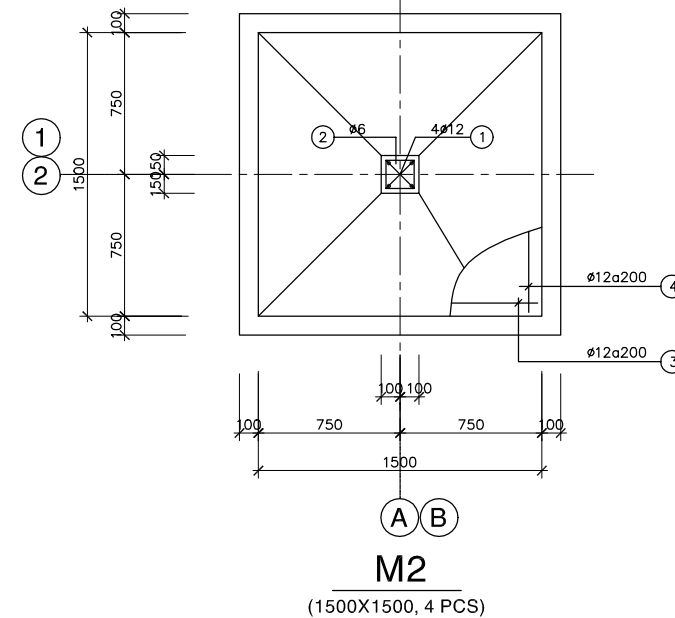
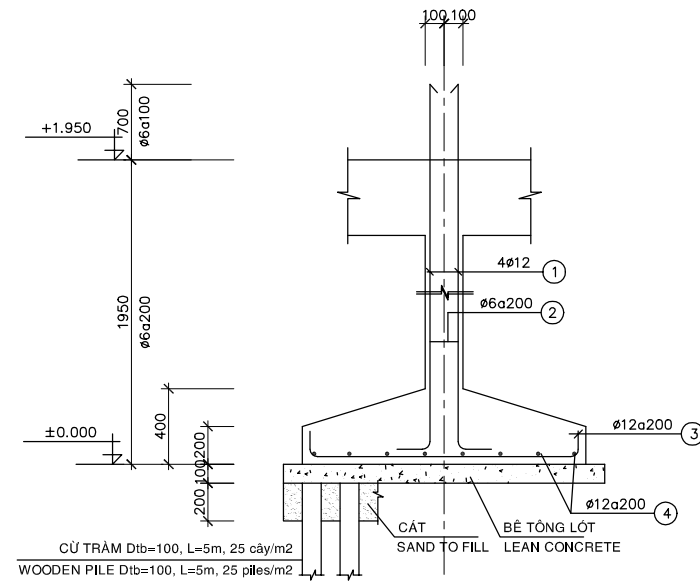
DATE : JUNE 2001 DWG. No. PB - PDI - BMC1 - 304



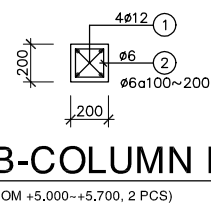
MẶT BẰNG MÓNG, CỘT & ĐÀ KIỀNG
PLAN OF FOUNDATION, COLUMN & G-BEAM (GUARD HOUSE)



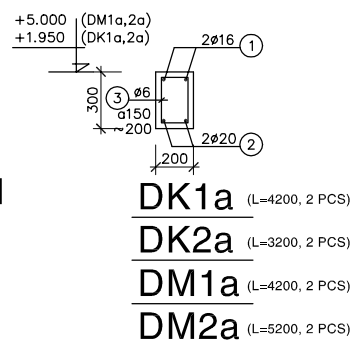
MẶT BẰNG DẦM MÁI
PLAN OF ROOF BEAMS (GUARD HOUSE)



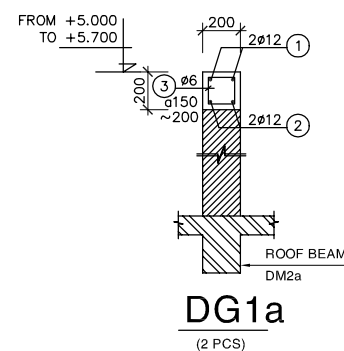
COLUMN C2
 (FROM +1.950-+5.000, 4 PCS)



SUB-COLUMN BTM1
 (FROM +5.000-+5.700, 2 PCS)



DK1a (L=4200, 2 PCS)
DK2a (L=3200, 2 PCS)
DM1a (L=4200, 2 PCS)
DM2a (L=5200, 2 PCS)



DG1a
 (2 PCS)

GHI CHÚ:

- BÊ TÔNG LÓT ĐÁ 40X60, MÁC 100
- BÊ TÔNG ĐÁ 10X20, MÁC 300
- CỐT THÉP Ra=2000 Kg/cm²

NOTE :

- LEAN CONCRETE STONE 40x60, GRADE 100
- CONCRETE STONE 10x20, GRADE 300
- REINFORCEMENT Ra=2000 Kg/cm²

NO.	DATE	DESCRIPTIONS	BY	APRO.

REVISIONS

PROJECT MANAGEMENT UNIT FOR
 HO CHI MINH CITY
 WATER ENVIRONMENT IMPROVEMENT

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

PACKAGE B
 PUMP DRAINAGE IMPROVEMENT
BEN ME COC (1) GUARD HOUSE
PLAN & DETAILS OF FOUNDATIONS,
COLUMNS, G-BEAMS & ROOF BEAMS
(FOR GUARD HOUSE)

SCALE : N.T.S

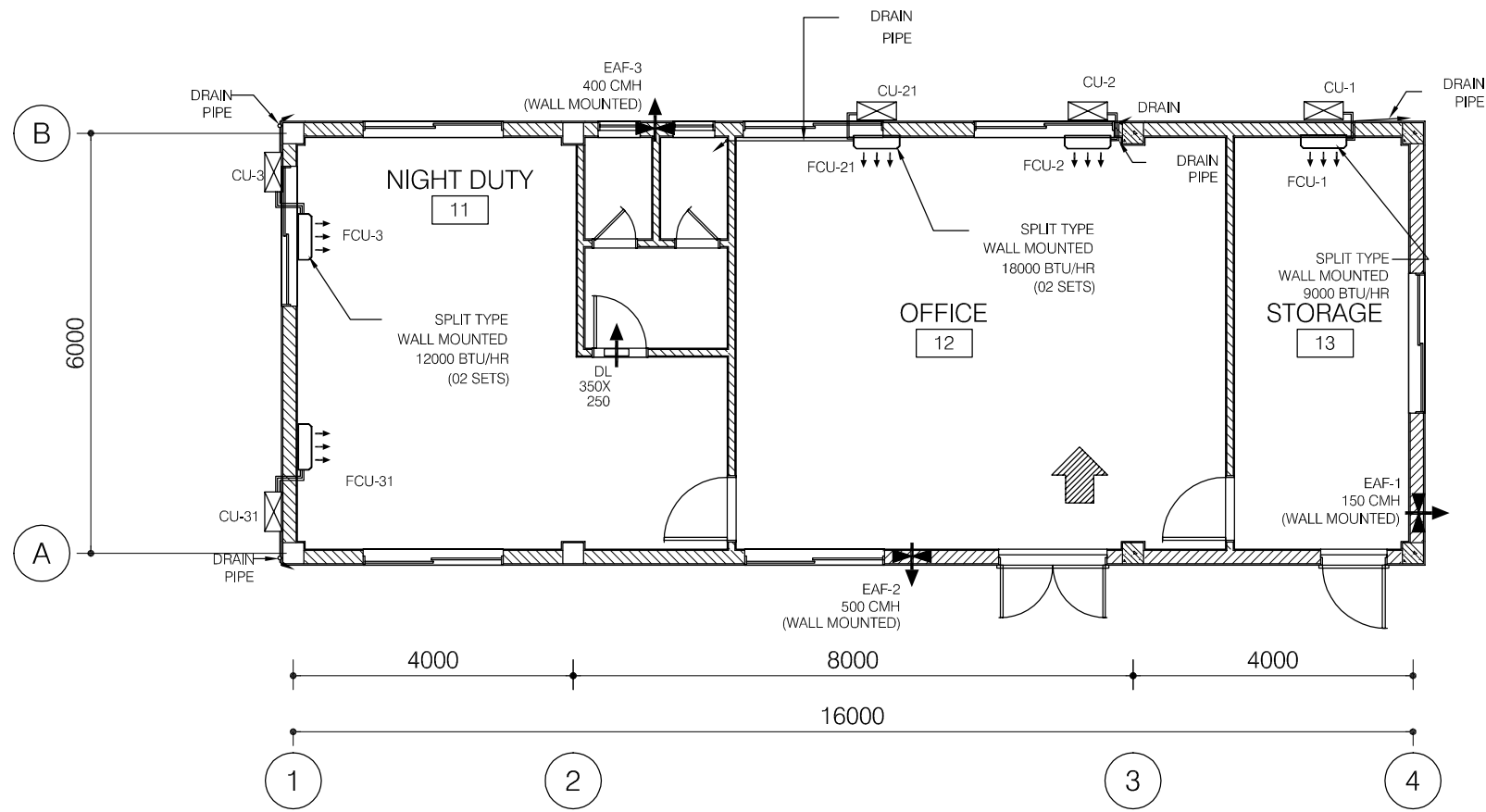
JICA JAPAN INTERNATIONAL COOPERATION
 AGENCY (JICA)

P PACIFIC CONSULTANTS INTERNATIONAL

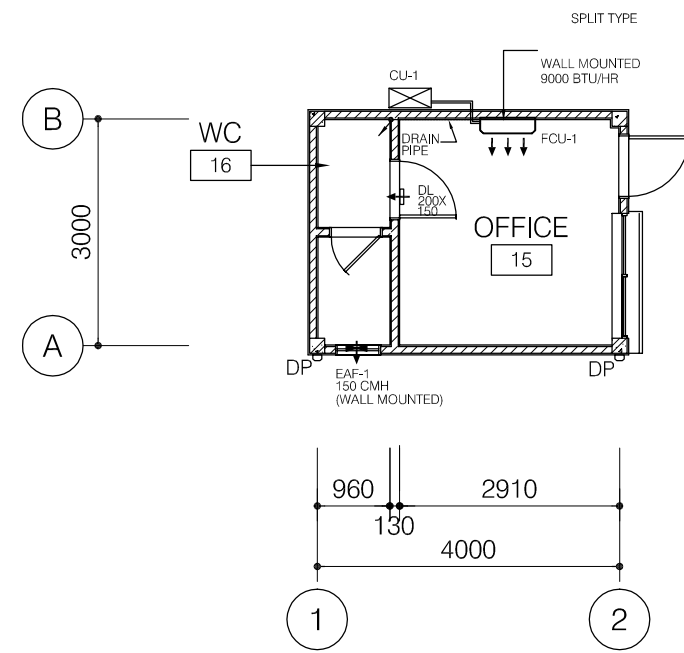
DESIGNED
 TOKUMASU TOSHIAKI

CHECKED
 KONDO MASAMI


DATE : JUNE 2001 DWG. No. PB - PDI - BMC1 - 305



**FIRST FLOOR M/O OFFICE
AIRCONDITIONING & VENTILATION PLAN**
SCALE 1/50



**GUARD HOUSE FLOOR PLAN
AIRCONDITIONING & VENTILATION PLAN**
SCALE 1/50

- LEGEND**
-  DISTRIBUTION BOARD
 - DL : DOOR LOUVER
 - EAF : EXHAUST AIR FAN

NO.	DATE	DESCRIPTIONS	BY	APRO.
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REVISIONS

PROJECT MANAGEMENT UNIT FOR
HO CHI MINH CITY
WATER ENVIRONMENT IMPROVEMENT

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

PACKAGE B
PUMP DRAINAGE IMPROVEMENT
BEN ME COC (1) O/M OFFICE & GUARD
HOUSE - AIR CONDITIONING
& VENTILATION PLAN

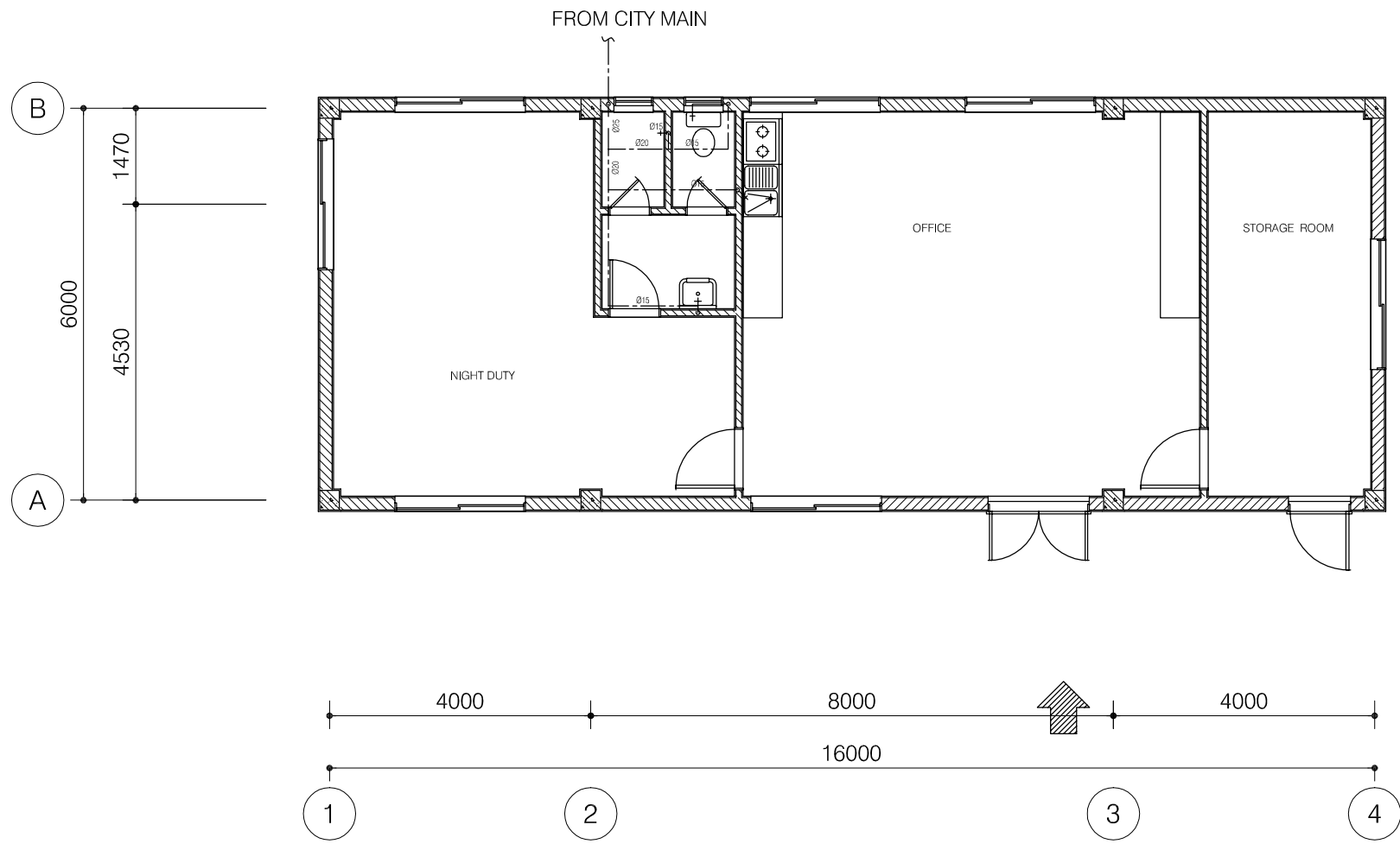
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 JAPAN INTERNATIONAL COOPERATION
AGENCY (JICA)

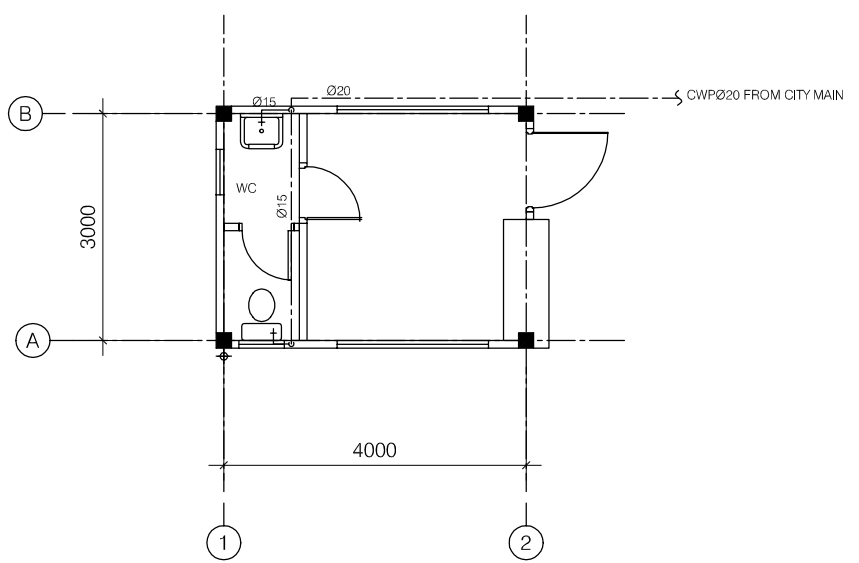
 PACIFIC CONSULTANTS INTERNATIONAL

DESIGNED TOKUMASU TOSHIAKI	CHECKED KONDO MASAMI
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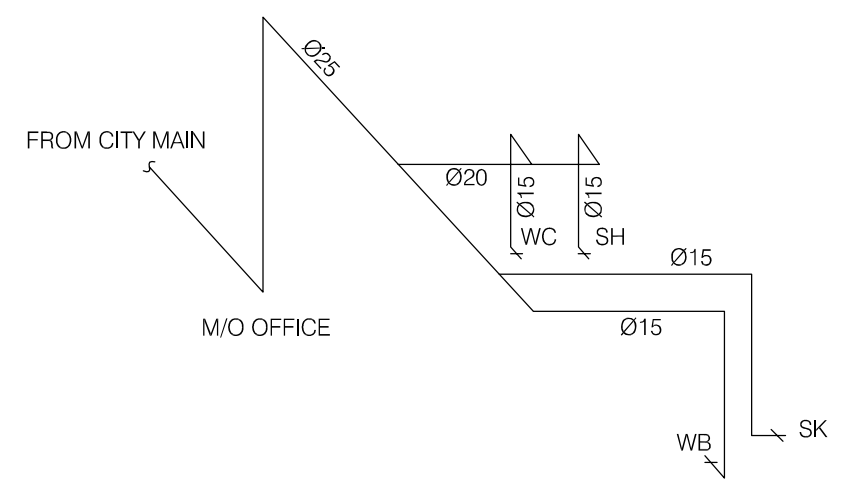
DATE : JUNE 2001 DWG. No. PB - PDI - BMC1 - 307



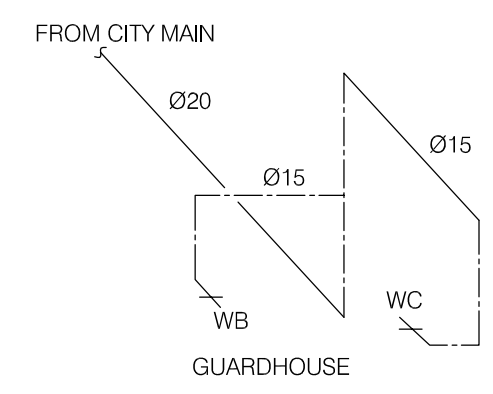
**FIRST FLOOR O/M OFFICE
PLUMBING PLAN**
SCALE : 1/50



**GUARDHOUSE
PLUMBING PLAN**
SCALE : 1/50



ISOMETRIC OF COLD WATER SUPPLY SYSTEM



ISOMETRIC OF COLD WATER SUPPLY SYSTEM

NO.	DATE	DESCRIPTIONS	BY	APPRO.

REVISIONS

PROJECT MANAGEMENT UNIT FOR
HO CHI MINH CITY
WATER ENVIRONMENT IMPROVEMENT

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

PACKAGE B
PUMP DRAINAGE IMPROVEMENT
BEN ME COC (1) O/M OFFICE & GUARD
HOUSE - PLUMBING PLAN & ISOMETRIC

SCALE : 1/50

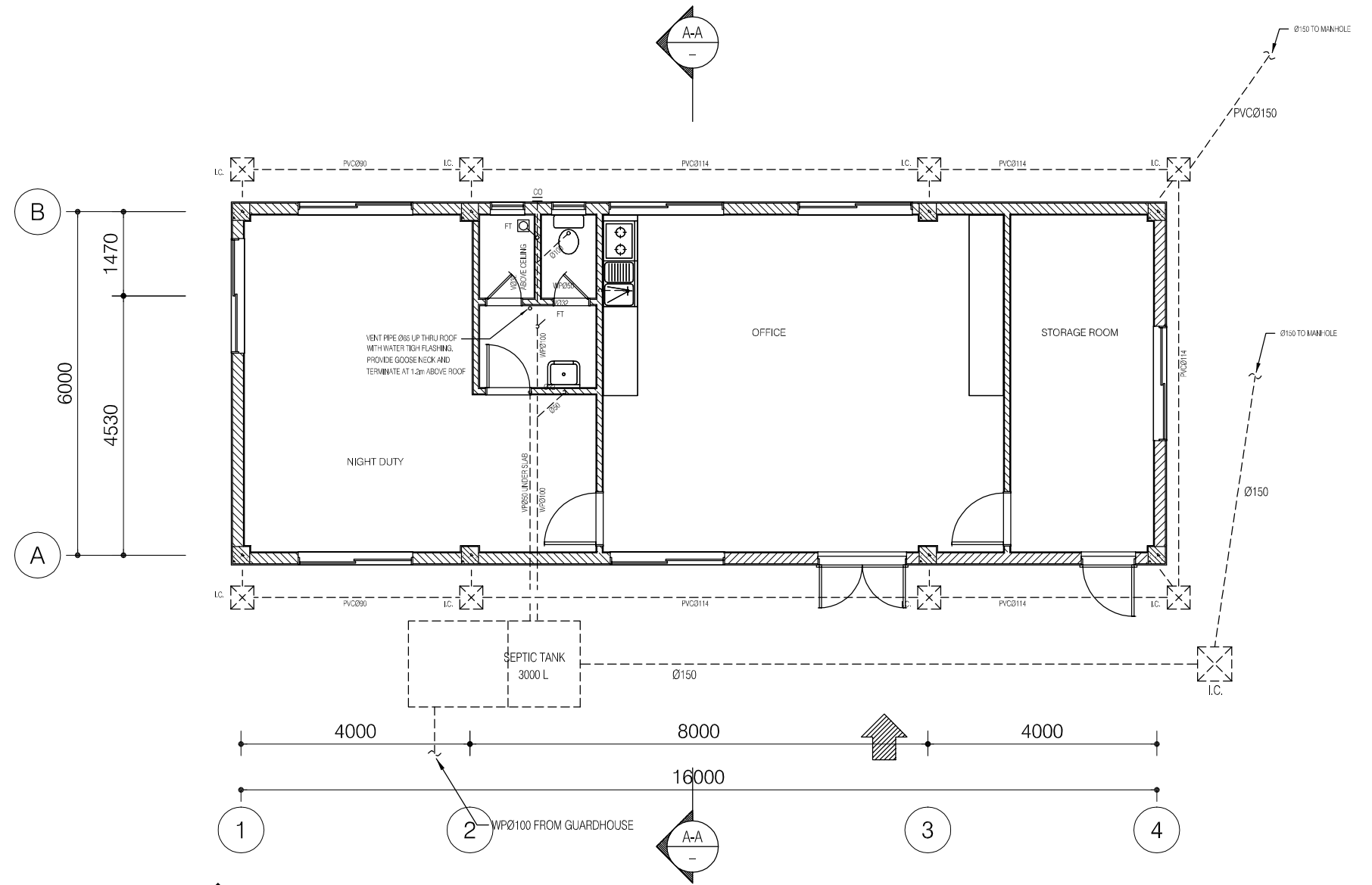
JICA JAPAN INTERNATIONAL COOPERATION
AGENCY (JICA)

PC PACIFIC CONSULTANTS INTERNATIONAL

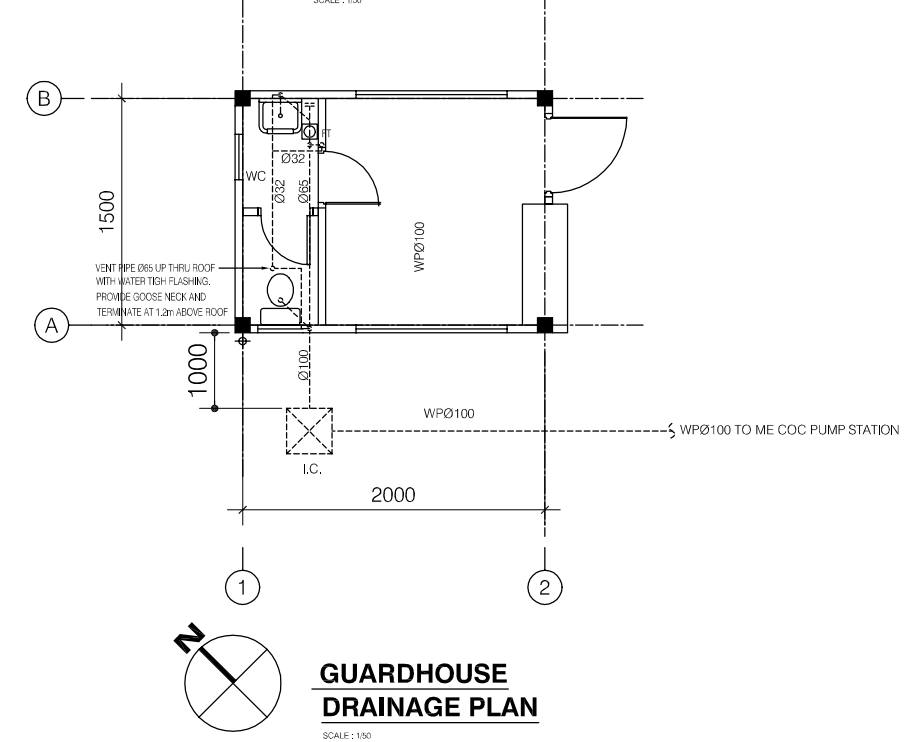
DESIGNED
TOKUMASU TOSHIAKI

CHECKED
KONDO MASAMI

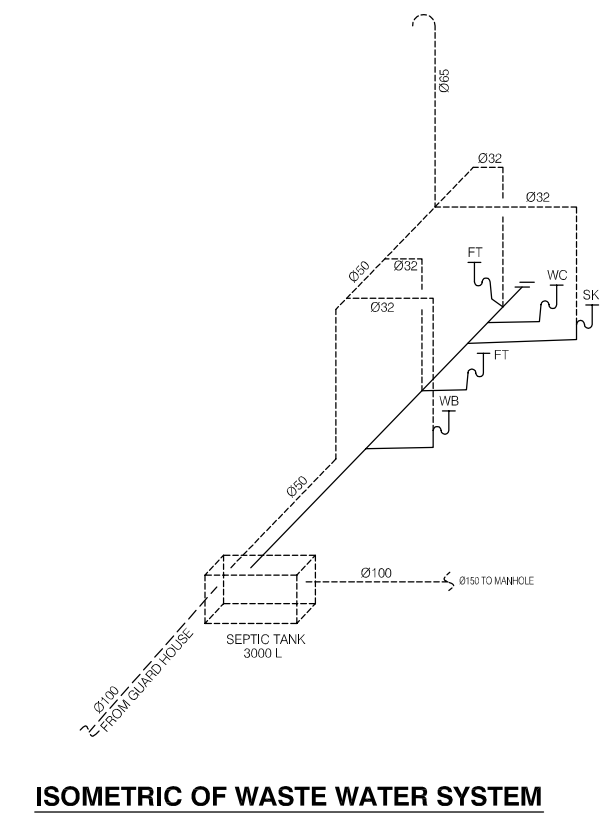
DATE : JUNE 2001 DWG. No. PD - PDI - BCM1 - 308



FIRST FLOOR O/M OFFICE DRAINAGE PLAN
SCALE: 1/100



GUARDHOUSE DRAINAGE PLAN
SCALE: 1/100



ISOMETRIC OF WASTE WATER SYSTEM

NO.	DATE	DESCRIPTIONS	BY	APPRO.

REVISIONS

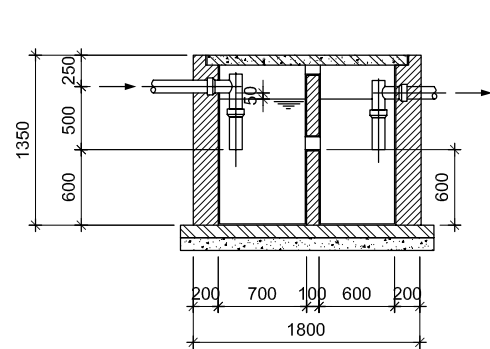
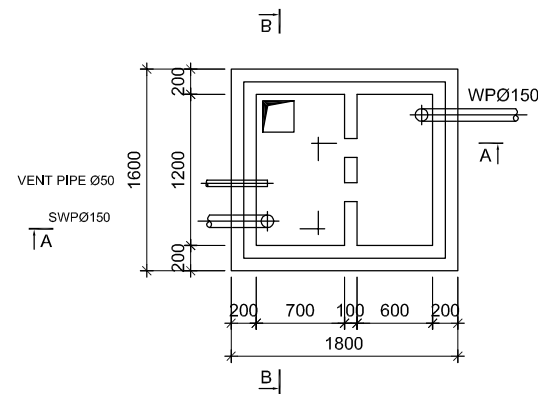
PROJECT MANAGEMENT UNIT FOR
HO CHI MINH CITY
WATER ENVIRONMENT IMPROVEMENT

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

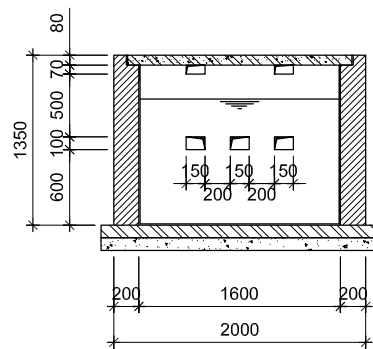
PACKAGE B
PUMP DRAINAGE IMPROVEMENT

BEN ME COC (1) O/M OFFICE & GUARDHOUSE - DRAINAGE PLAN, ISOMETRIC

SCALE : 1/100	
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)	
PACIFIC CONSULTANTS INTERNATIONAL	
DESIGNED TOKUMASU TOSHIAKI	CHECKED KONDO MASAMI
DATE : JUNE 2001	DWG. No. PB - PDI - BMCI - 309

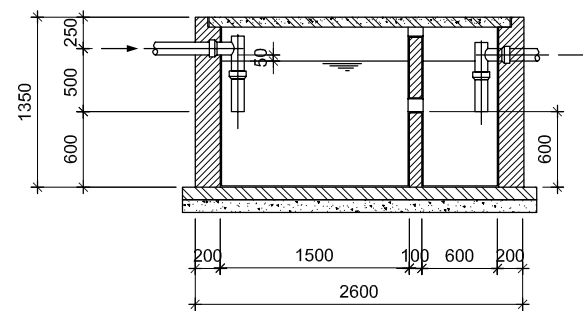
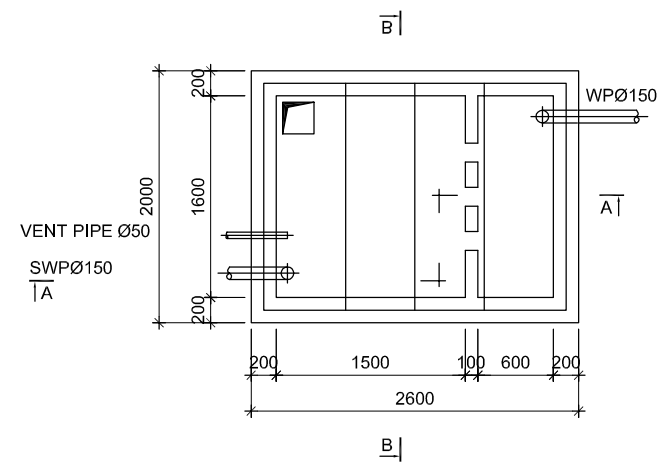


SECTION A - A

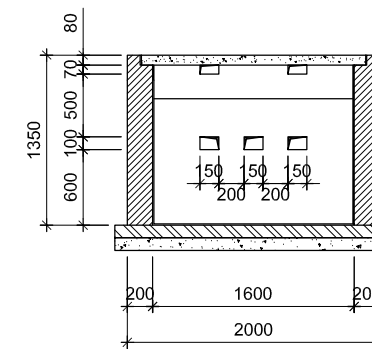


SECTION B - B

TYPICAL OF SEPTIC TANK 1000 LITRES
FOR GUARD HOUSE OF BEN ME COC (1) CONTROL GATE



SECTION A - A



SECTION B - B

TYPICAL OF SEPTIC TANK 3000 LITRES
FOR O/M OFFICE AND GUARD HOUSE
OF BEN ME COC (1) PUMPING STATION

NO.	DATE	DESCRIPTIONS	BY	APRO.

REVISIONS

PROJECT MANAGEMENT UNIT FOR
HO CHI MINH CITY
WATER ENVIRONMENT IMPROVEMENT

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

PACKAGE B
PUMP DRAINAGE IMPROVEMENT
BEN ME COC (1) PUMPING STATION
TYPICAL SEPTIC TANK
1000 AND 3000 LITERS

SCALE = 1/50

JAPAN INTERNATIONAL COOPERATION
AGENCY (JICA)

PACIFIC CONSULTANTS INTERNATIONAL

DESIGNED TOKUMASU TOSHIAKI	CHECKED KONDO MASAMI
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DATE : JUNE 2001 DWG. No. PB - PDI - BMC1 - 310