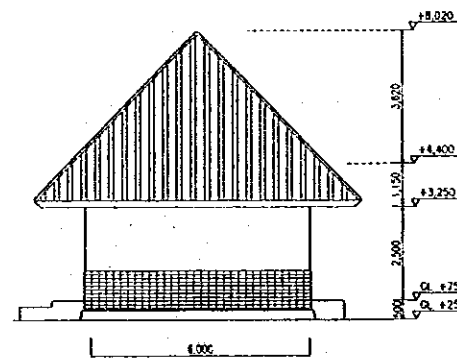
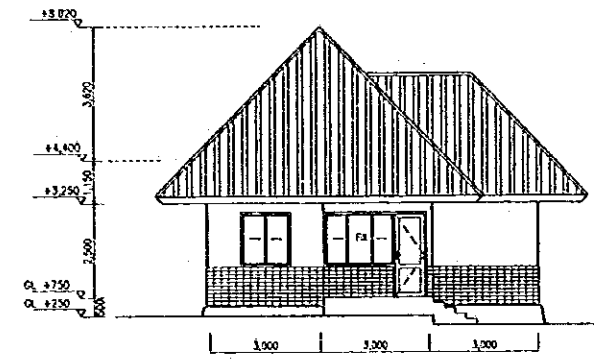


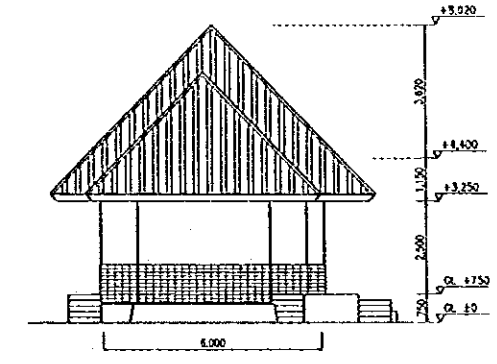
SOUTH ELEVATION
SCALE A



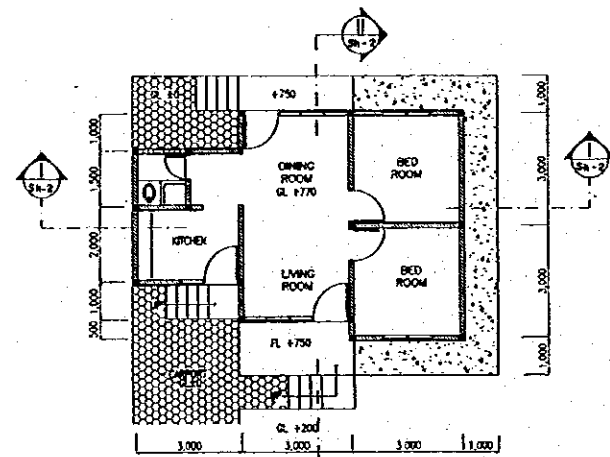
EAST ELEVATION
SCALE A



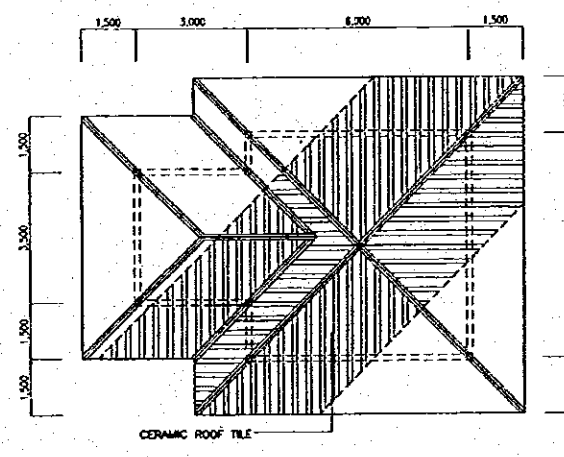
NORTH ELEVATION
SCALE A



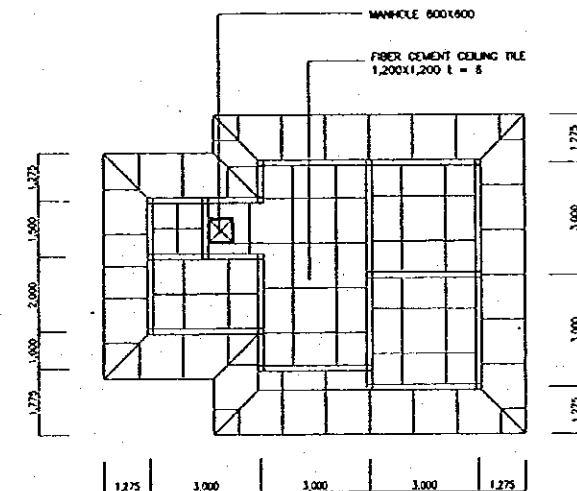
WEST ELEVATION
SCALE A



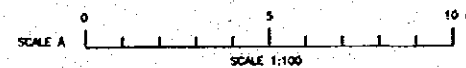
FLOOR PLAN
SCALE A



ROOF PLAN
SCALE A

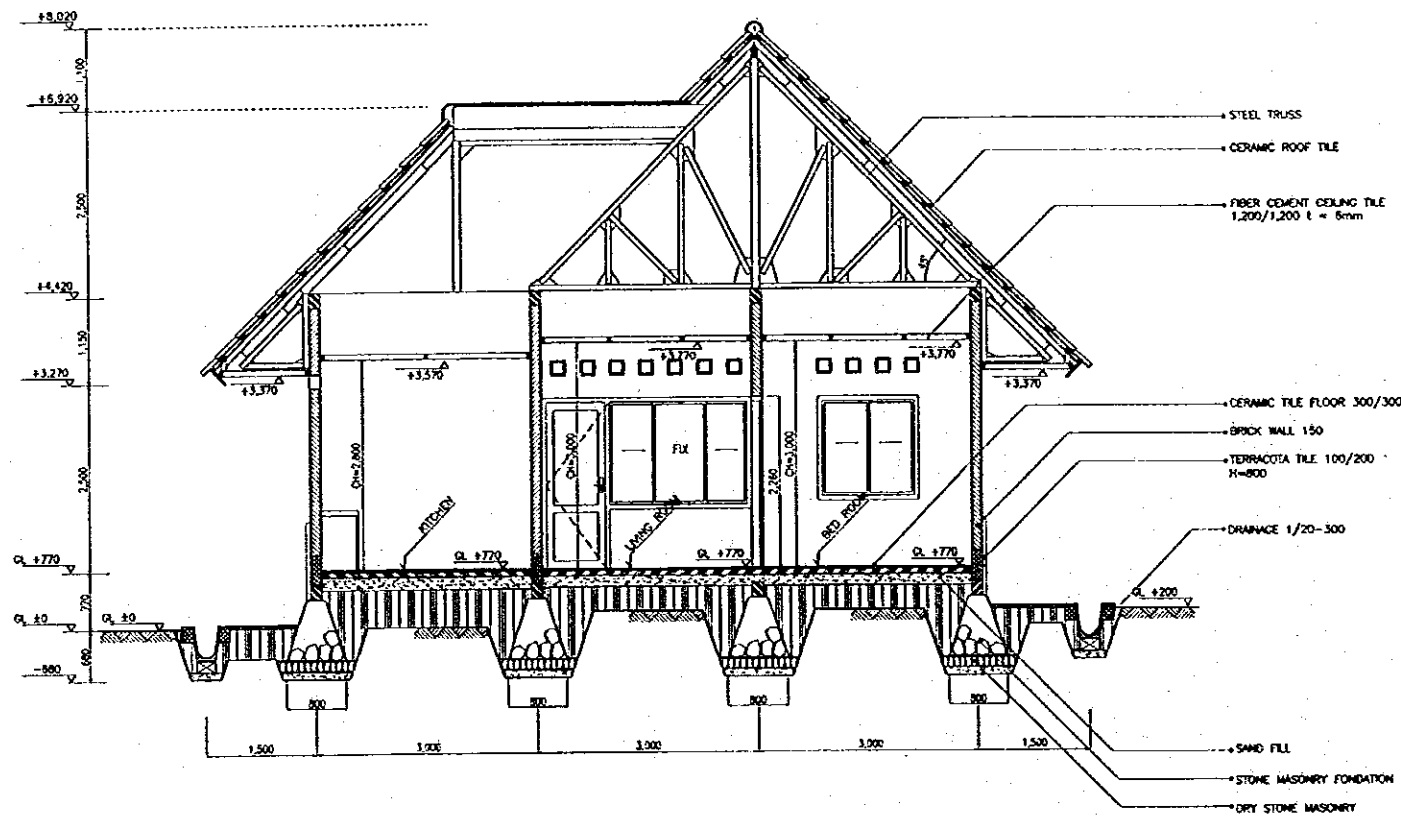


REFLECTED CEILING PLAN
SCALE A

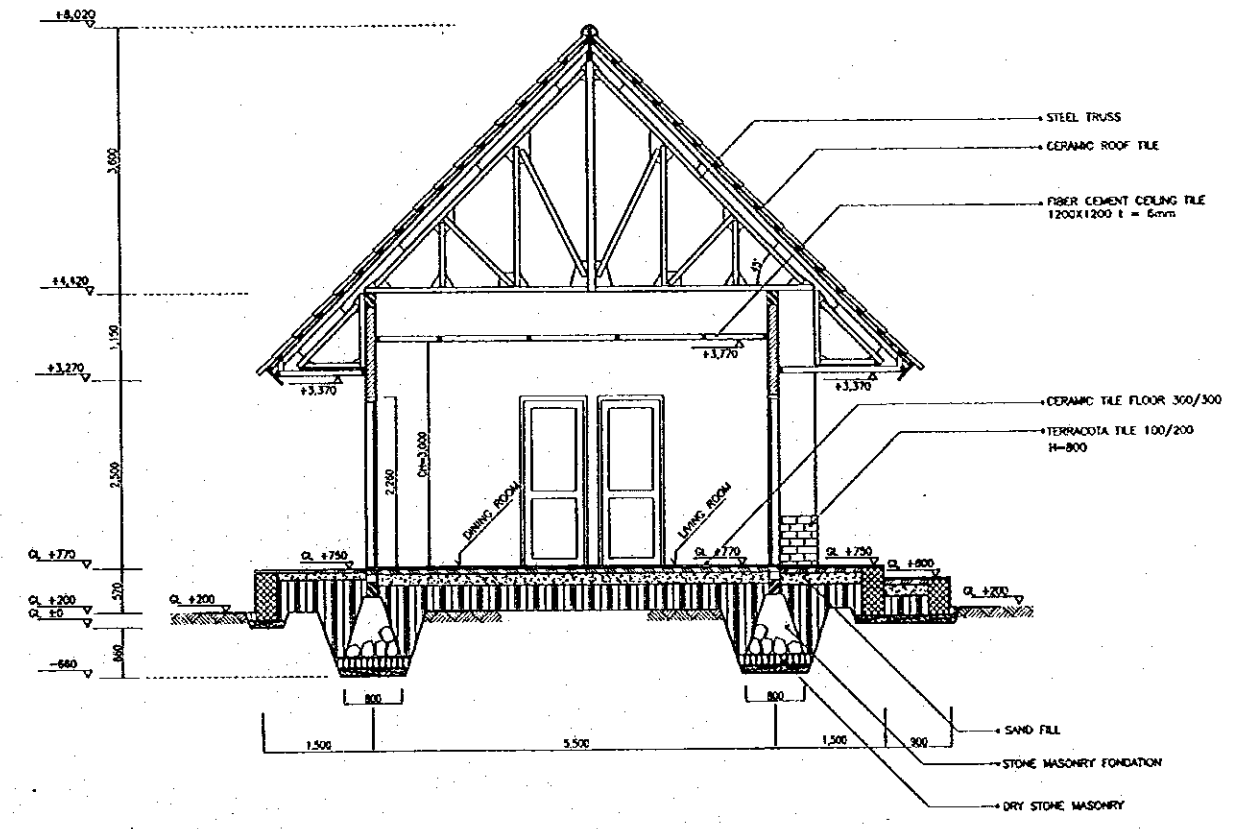


NO.	DATE	REVISIONS	ORIGINATED	DESIGNED	APPROVED

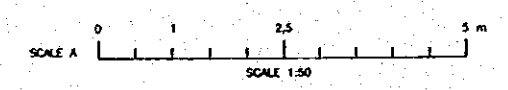
THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT		PROVINCE CENTRAL JAWA
RATUNSELUNA FLOOD CONTROL PROJECT COMPONENT : JATIBARANG DAM CONSTRUCTION JATIBARANG DAM MANAGEMENT COMPLEX FLOOR PLAN, ROOF PLAN, CEILING PLAN & ELEVATION STAFF HOUSE 2		PROJECT NAME FLOOD CONTROL URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT IN SEMARANG IN THE REPUBLIC OF INDONESIA
SAFARI INTERNATIONAL COOPERATION AGENCY CFI ENGINEERING CO. LTD. in association with PACIFIC CONSULTANTS INTERNATIONAL, INC. AND PARKS INTERNATIONAL, INC.		DISTRICT SEMARANG CITY
CHECKED: <i>[Signature]</i> CHIEF OF PLANNING AND DESIGN PROJECT MANAGER		DRAWING NO. JD-P2-MC-SH-1 SHEET NO. 41
DATE: <i>[Signature]</i>		CONTRACT NO.



SECTION I-I
SCALE A

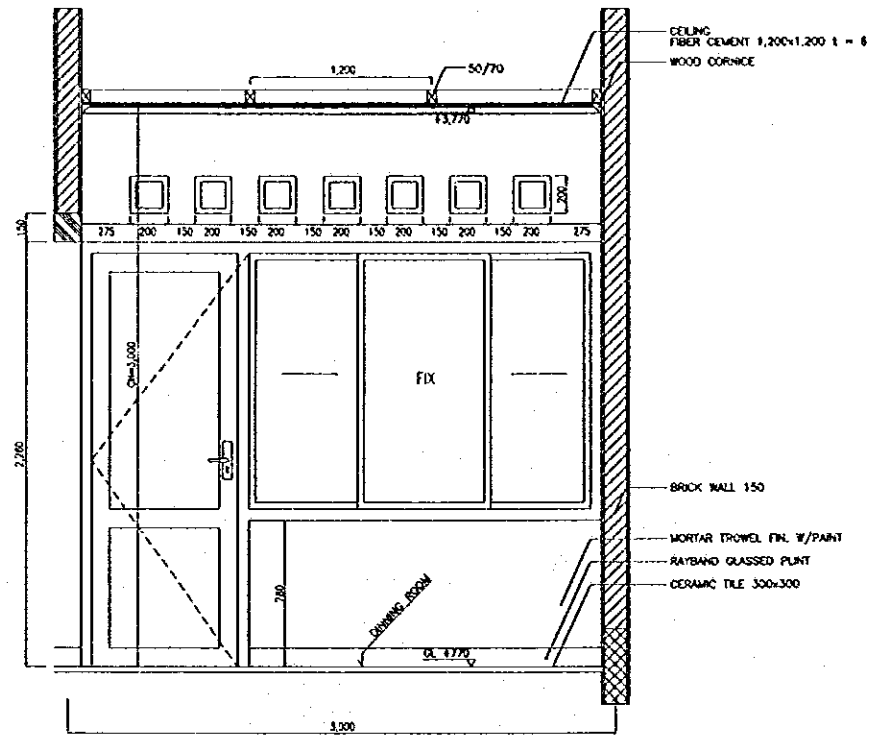
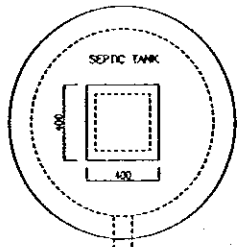


SECTION II-II
SCALE A

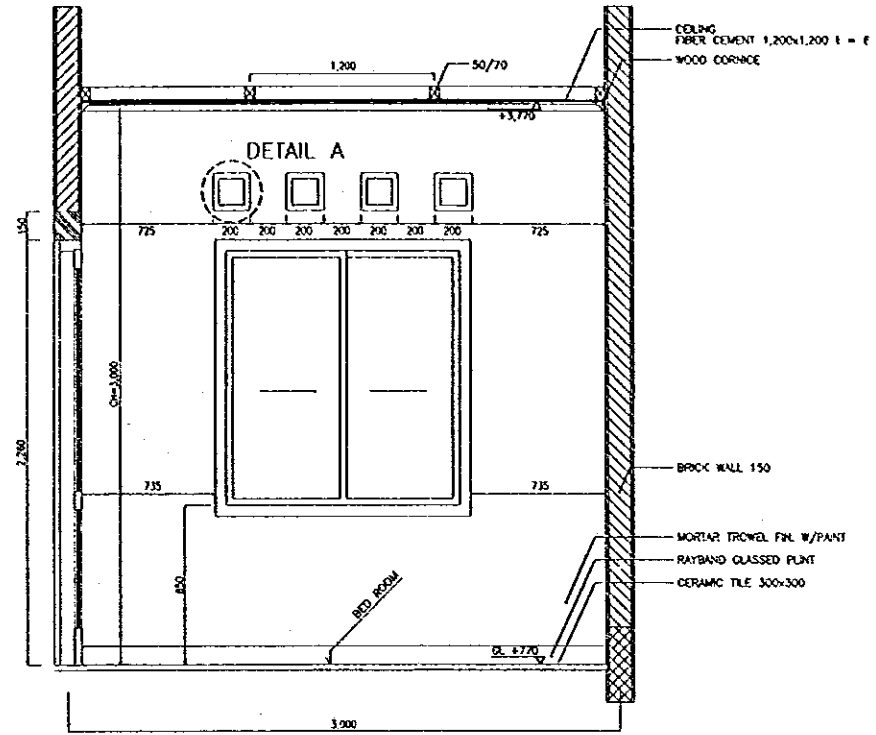


NO.	DATE	REVISION	ORIGINATED	DESIGNED	APPROVED

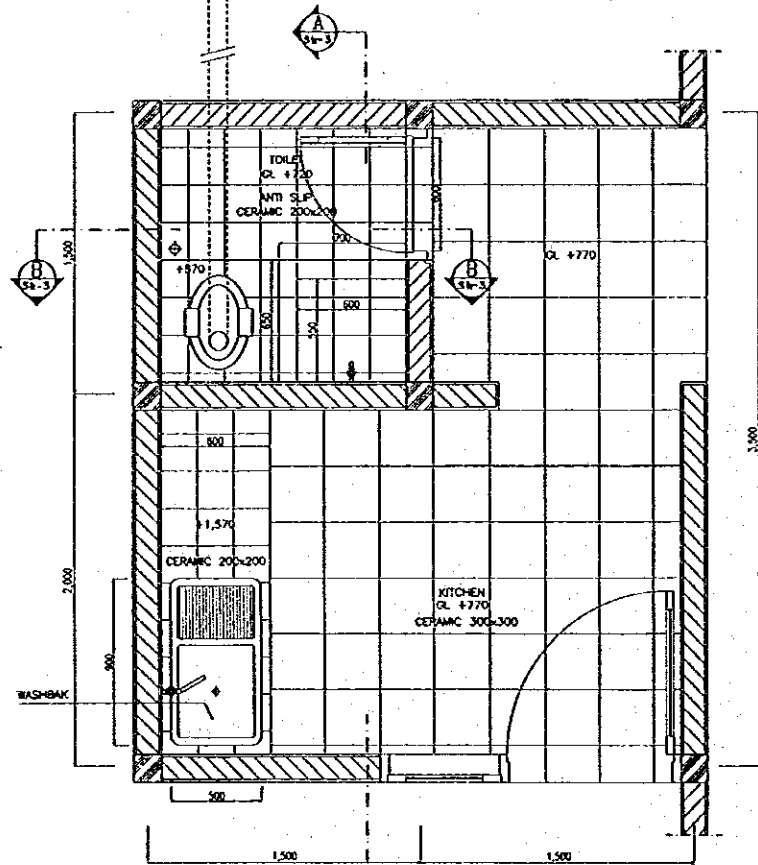
THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT		PROVINCE CENTRAL JAWA
JATUNGSELUNA FLOOD CONTROL PROJECT COMPONENT : JATIBARANG DAM CONSTRUCTION SECTION STAFF HOUSE 2		PROJECT NAME FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT IN SEMARANG IN THE REPUBLIC OF INDONESIA
LAPAN INTERNATIONAL COOPERATION AGENCY CIE INDIONESIA COLLEGE IN AMBOHONGGONE PACIFIC CONSULTANTS INTERNATIONAL, INC PARTNER INTERNATIONAL INC		DISTRICT SEMARANG CITY
DESIGNED: <i>[Signature]</i> CHECKED: <i>[Signature]</i> APPROVED: <i>[Signature]</i> CHIEF OF PLANNING AND DESIGN PROJECT MANAGER		DRAWING NO. JD - P2 - MC - SH - 2 SHEET NO. 42 DATE CONTRACT NO.



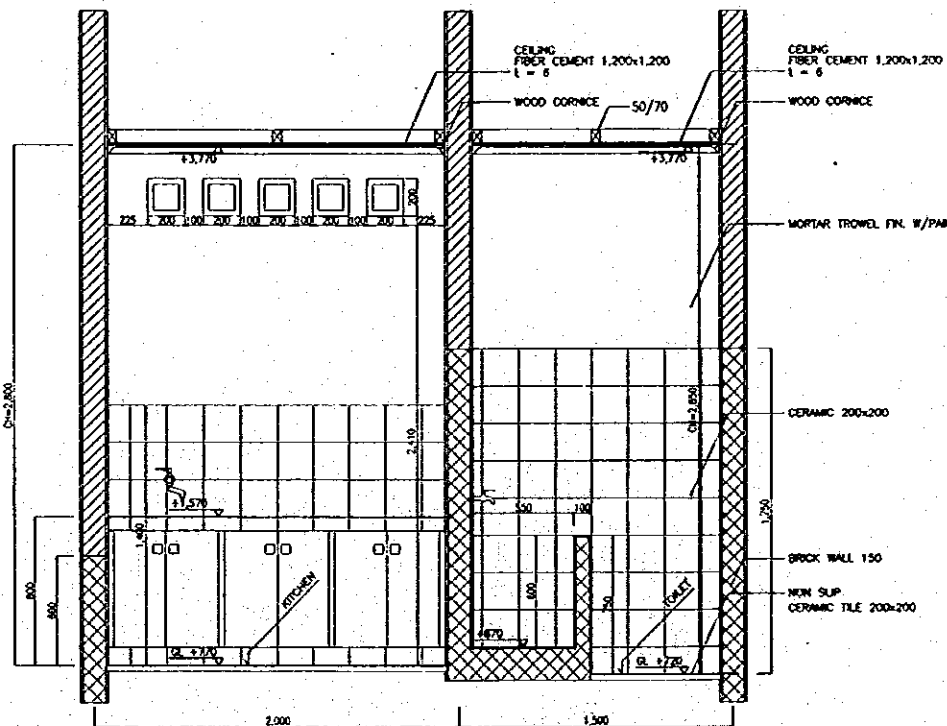
INTERIOR ELEVATION
SCALE A



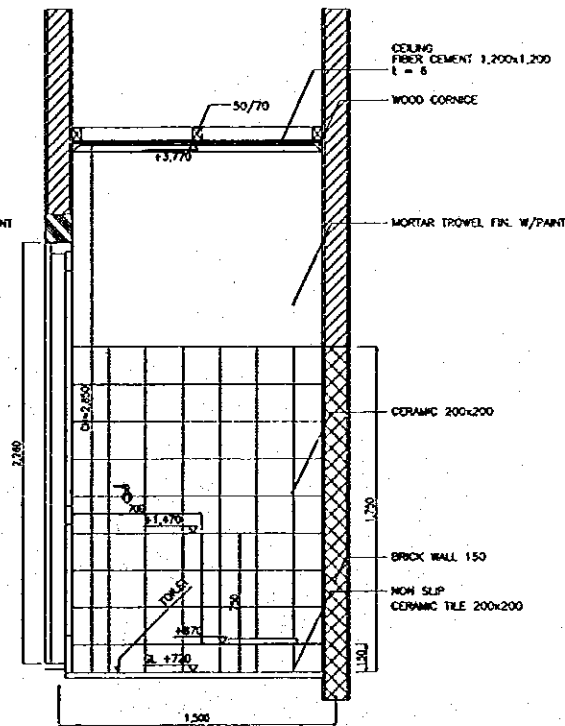
INTERIOR ELEVATION
SCALE A



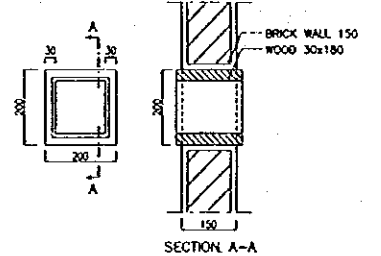
DETAIL PLAN KITCHEN & TOILET
SCALE A



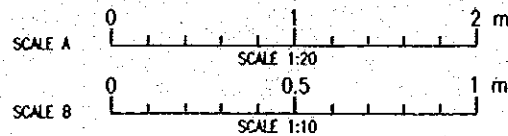
SECTION A-A
SCALE A



SECTION B-B
SCALE A

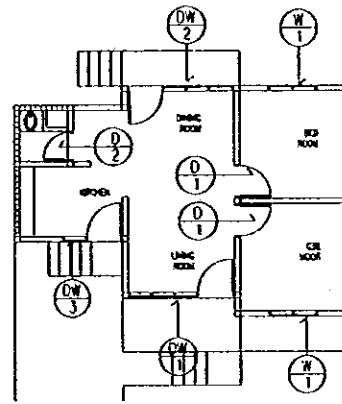


DETAIL A
SCALE B



NO.	DATE	REVISIONS	ORIGINATED	DESIGNED	APPROVED

THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT		PROVINCE CENTRAL JAWA
BRATISSELUNA FLOOD CONTROL PROJECT COMPONENT: JATIBARANG DAM CONSTRUCTION JATIBARANG DAM MANAGEMENT COMPLEX DETAIL PLAN & INTERIOR ELEVATION STAFF HOUSE 2		PROJECT NAME FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT IN SEMARANG BY THE REPUBLIC OF INDONESIA
JAWA INTERNATIONAL COOPERATION AGENCY CITY ENGINEERING COLLEGE, 4F ANGGREKOWA PACIFIC CONSULTANTS INTERNATIONAL, 408 PAROD INTERNATIONAL, INC.		DISTRICT SEMARANG CITY
DESIGNED <i>[Signature]</i>	CHECKED <i>[Signature]</i>	SHEET NO. 43
CITY OF PLANNING AND DESIGN PROJECT MANAGER		DATE CONTRACT NO.

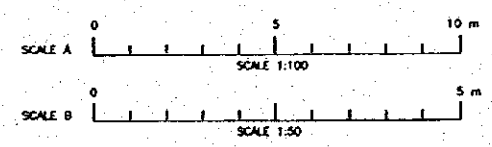


KEY PLAN
SCALE A

MARK	QTY	DW 1	1	DW 2	1	DW 3	1
SHAPE							
TYPE		SINGLE SWING & SLIDING		SINGLE SWING, SLIDING & FIX		SINGLE SWING	
MATERIAL	FINISH	FRAME	ALU	ANO	ALU	ANO	ALU
		PANEL	PLYWOOD 6 mm THICK & GLASS	PRG	PLYWOOD 6 mm THICK & GLASS	PRG	PLYWOOD 6 mm THICK & GLASS
GLASS		CLEAR GLASS 5 mm THICK		CLEAR GLASS 5 mm THICK		CLEAR GLASS 5 mm THICK	
HARDWARE		METAL FITTINGS COMPLETE SET		METAL FITTINGS COMPLETE SET		METAL FITTINGS COMPLETE SET	
POSITION		GUEST ROOM		LIVING ROOM		KITCHEN ROOM	

MARK	QTY	D 1	2	D 2	1	W 1	2
SHAPE							
TYPE		SINGLE SWING		SINGLE SWING		SLIDING	
MATERIAL	FINISH	FRAME	ALU	ANO	ALU	ANO	ALU
		PANEL	PLYWOOD 6 mm THICK	PRG	PLYWOOD 6 mm THICK	PRG	GLASS
GLASS		-		-		CLEAR GLASS 5 mm THICK	
HARDWARE		METAL FITTINGS COMPLETE SET		METAL FITTINGS COMPLETE SET		METAL FITTINGS COMPLETE SET	
POSITION		BED ROOM		TOILET		BAD ROOM	

DOOR & WINDOW SCHEDULE
SCALE B



LEGEND :

- AD : ALUMINUM DOOR
- AW : ALUMINUM WINDOW
- AL : ALUMINUM LOUVER
- ADW : ALUMINUM DOOR WINDOW

MATERIAL :

- ALU : ALUMINUM
- ANO : ANODIZED
- PRG : POLYUR , CLEAR SEMI-GLOSS

DOORS & WINDOWS SYMBOL

REFERENCE NO.

NO.	DATE	REVISIONS	ORIGINATED	DESIGNED	APPROVED

THE REPUBLIC OF INDONESIA
MINISTRY OF PUBLIC WORKS
DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT
AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT

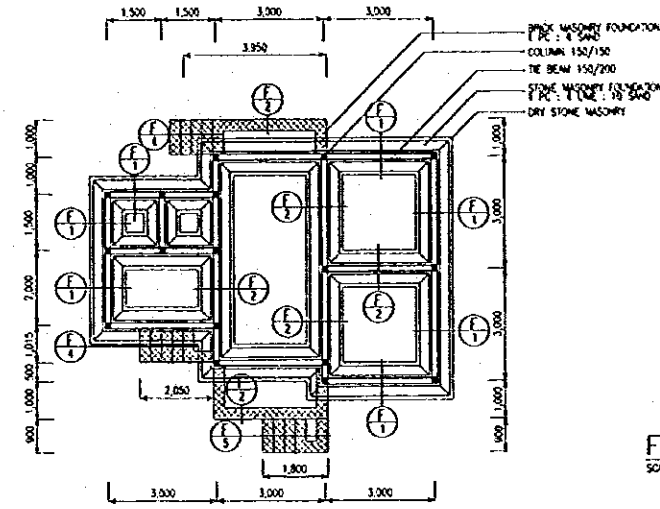
PROVINCE: CENTRAL JAWA
PROJECT NAME: FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT IN SEMARANG BY THE REPUBLIC OF INDONESIA
DISTRICT: SEMARANG CITY
DRAWING NO. JD - P2 - MC - SH - 4
SHEET NO. 44
DATE: CONTRACT NO.:

JATIBARANG DAM MANAGEMENT COMPLEX
KEYPLAN & DOOR WINDOWS SCHEDULE
STAFF HOUSE 2

JAPAN INTERNATIONAL COOPERATION AGENCY
CI (NON-RESIDENT) COLLECTIVE MANAGEMENT
PACIFIC CONSULTANTS INTERNATIONAL, INC.
PACIFIC INTERNATIONAL, ETC.

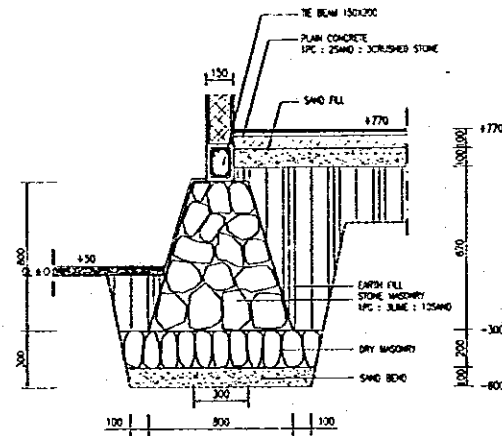
DESIGNED: *[Signature]*
CHECKED: *[Signature]*

CHIEF OF PLANNING AND DESIGN
PROJECT MANAGER

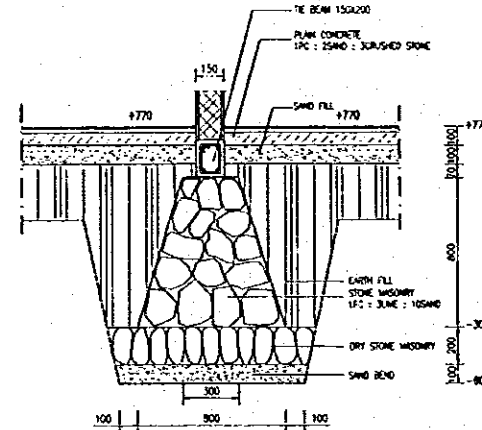


FOUNDATION PLAN
SCALE A

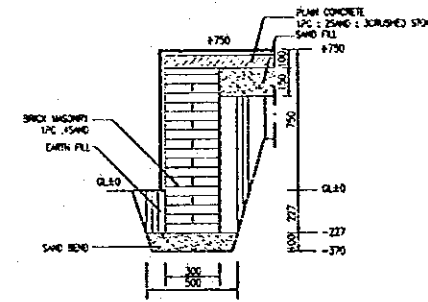
DETAIL F1



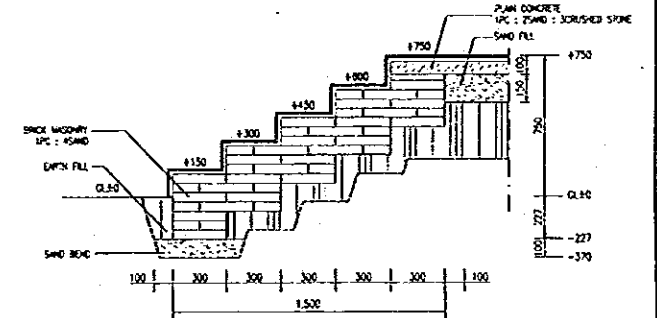
DETAIL F2



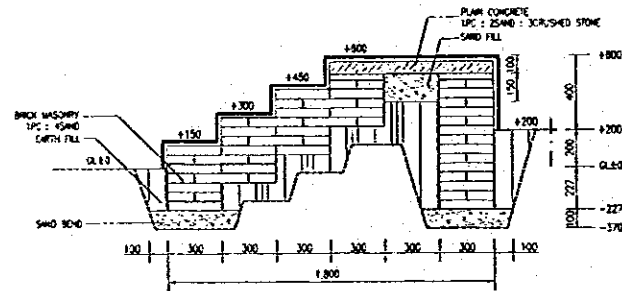
DETAIL F3



DETAIL F4

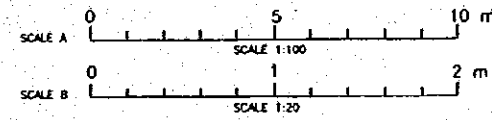


DETAIL F5



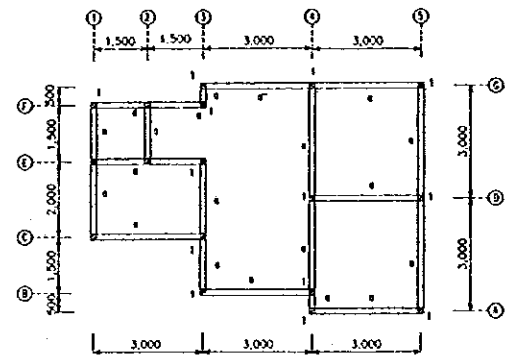
FOUNDATION SCHEDULE
SCALE B

98 | 5



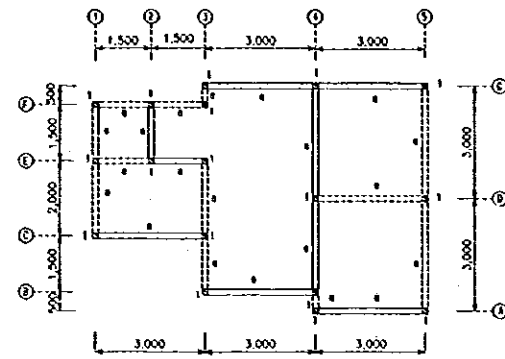
NO.	DATE	REVISIONS	ORIGINATED	DESIGNED	APPROVED

THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT	PROVINCE	CENTRAL JAVA	
	PROJECT NAME	FLOOD CONTROL, URBAN DEVELOPMENT AND WATER RESOURCES DEVELOPMENT IN SEMARANG IN THE REPUBLIC OF INDONESIA	
JATUNSELUMA FLOOD CONTROL PROJECT COMPONENT : JATIBARANG DAM CONSTRUCTION JATIBARANG DAM MANAGEMENT COMPLEX FOUNDATION PLAN AND DETAIL STAFF HOUSE 2 JAPAN INTERNATIONAL COOPERATION AGENCY CIVIL ENGINEERING CONSULTANTS IN ASSOCIATION WITH PACIFIC CONSULTANTS INTERNATIONAL AND PACCO INTERNATIONAL, INC.	DISTRICT	SEMARANG CITY	
	DRAWING NO	JD-P2-MC-SA-5	
	SHEET NO	45	
DESIGNED	CHECKED	DATE	CONTRACT NO.
JAPAN INTERNATIONAL COOPERATION AGENCY CIVIL ENGINEERING CONSULTANTS IN ASSOCIATION WITH PACIFIC CONSULTANTS INTERNATIONAL AND PACCO INTERNATIONAL, INC.		CHIEF OF PLANNING AND DESIGN PROJECT MANAGER	



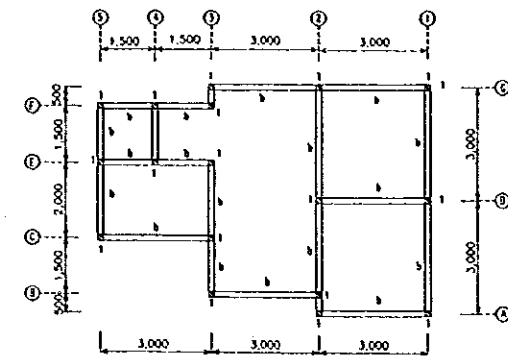
COLUMN AND RING BEAM PLAN +4,420

SCALE A



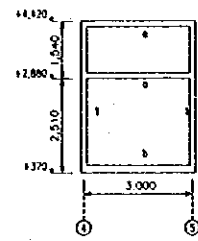
COLUMN AND TIE BEAM PLAN +2,880

SCALE A



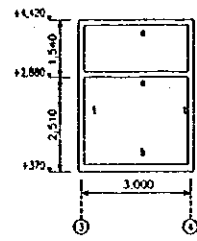
COLUMN AND TIE BEAM PLAN +370

SCALE A



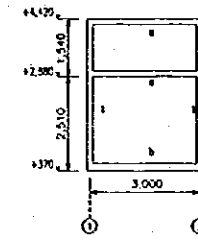
FRAMING LINE A

SCALE A



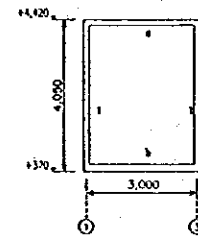
FRAMING LINE B

SCALE A



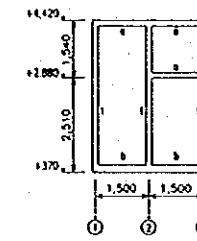
FRAMING LINE C

SCALE A



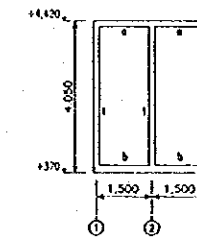
FRAMING LINE D

SCALE A



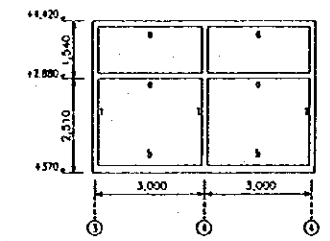
FRAMING LINE E

SCALE A



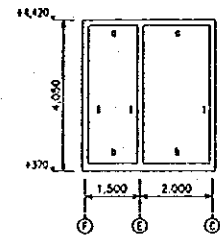
FRAMING LINE F

SCALE A



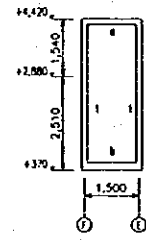
FRAMING LINE G

SCALE A



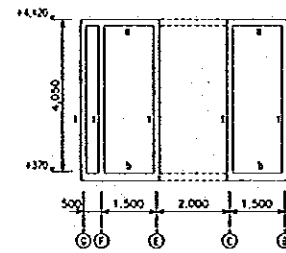
FRAMING LINE 1

SCALE A



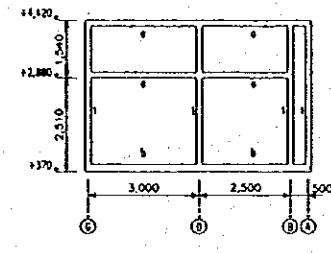
FRAMING LINE 2

SCALE A



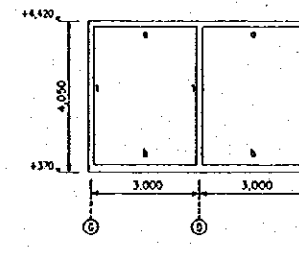
FRAMING LINE 3

SCALE A



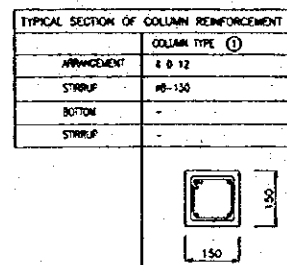
FRAMING LINE 4

SCALE A



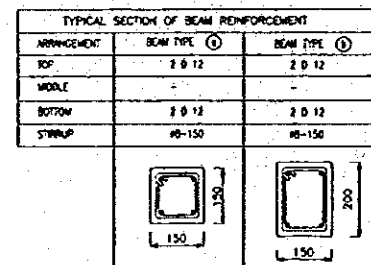
FRAMING LINE 5

SCALE A



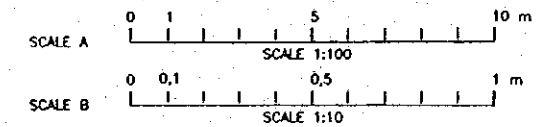
TYPICAL SECTION OF COLUMN REINFORCEMENT

SCALE B



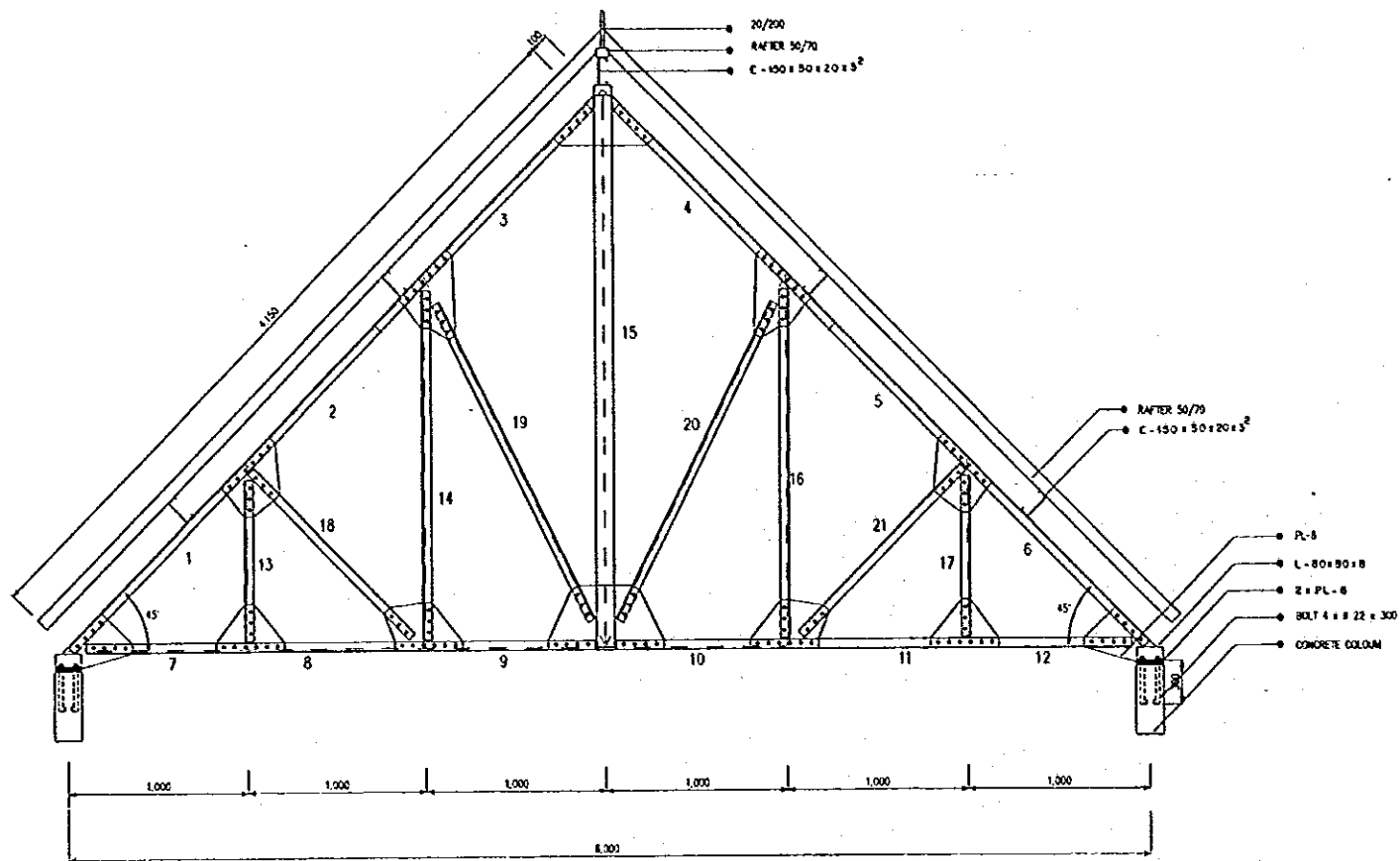
TYPICAL SECTION OF BEAM REINFORCEMENT

SCALE B



THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT		PROVINCE CENTRAL JAVA
JRATUNSELUNA FLOOD CONTROL PROJECT COMPONENT : JATIBARANG DAM CONSTRUCTION JATIBARANG DAM MANAGEMENT COMPLEX COLUMN, TIE BEAM, AND FRAMING ELEVATION STAFF HOUSE 2		PROJECT NAME FLOOD CONTROL URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT OF SEMARANG IN THE REPUBLIC OF INDONESIA
JAPAN INTERNATIONAL COOPERATION AGENCY ODA ENGINEERING CO. LTD. IN ASSOCIATION WITH PACIFIC CONSULTANTS INTERNATIONAL, INC. P.C.I. INTERNATIONAL, INC.		DISTRICT SEMARANG CITY
DESIGNED: <i>[Signature]</i> CHECKED: <i>[Signature]</i> CHIEF OF PLANNING AND DESIGN PROJECT MANAGER		DRAWING NO. JD-P2-MC-SA-6 SHEET NO. 48 DATE CONTRACT NO.

NO.	DATE	REVISIONS	ORIGINATED	DESIGNED	APPROVED



TYPE K1 1 pcs
SCALE B

MEMBER LIST TYPE K1

NO. MEMBER	PROFILE	BOLTS		DISTANCE		NOTE
		TOTAL	Ø mm	a mm	b mm	
1 = 5	T-50x50x5	4-3	14	40	60	
2 = 5	T-50x50x5	3-3	14	40	60	
3 = 4	T-50x50x5	3-4	14	40	60	
7 = 12	L-50x50x5	4-3	14	40	60	
8 = 11	L-50x50x5	3-3	14	40	60	
9 = 10	L-50x50x5	3-4	14	40	60	
13 = 17	T-50x50x5	3-3	14	40	60	
14 = 15	T-50x50x5	3-3	14	40	60	
15	Ø 101.6	-	-	-	-	
18 = 21	T-50x50x5	3-3	14	40	60	
19 = 20	T-50x50x5	3-3	14	40	60	

MEMBER LIST TYPE K2

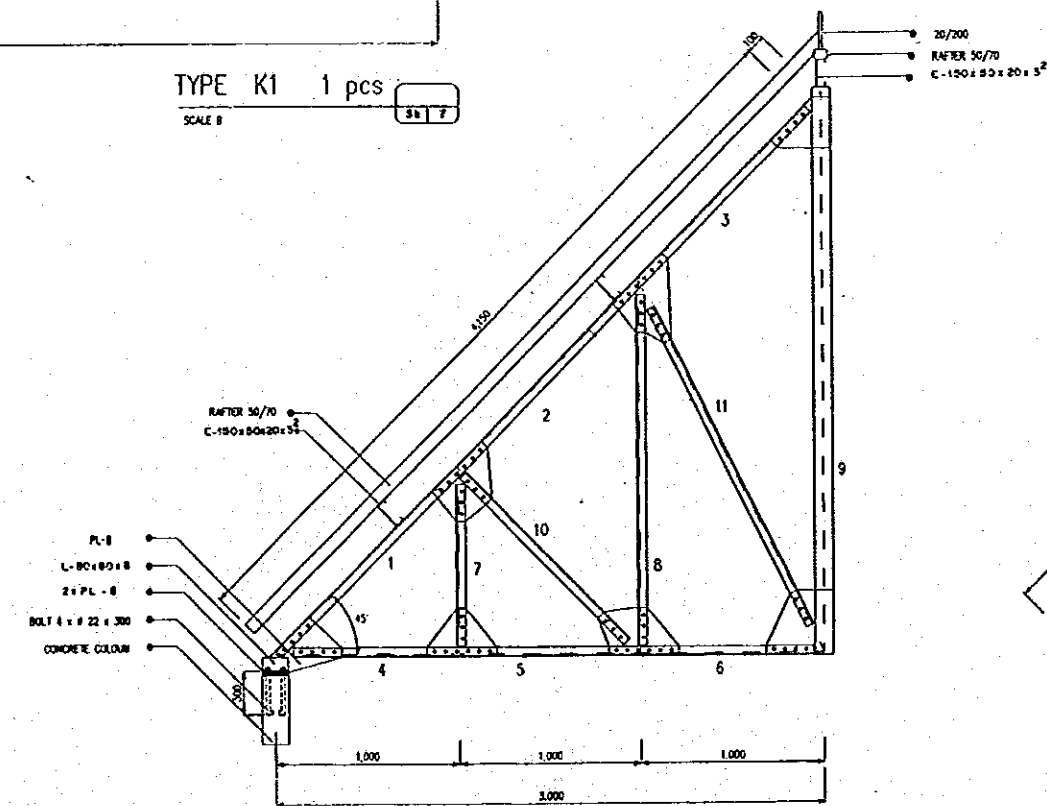
NO. MEMBER	PROFILE	BOLTS		DISTANCE		NOTE
		TOTAL	Ø mm	a mm	b mm	
1	T-50x50x5	4-3	14	40	60	
2	T-50x50x5	3-3	14	40	60	
3	T-50x50x5	3-4	14	40	60	
4	L-50x50x5	4-3	14	40	60	
5	L-50x50x5	3-3	14	40	60	
6	L-50x50x5	3-4	14	40	60	
7	T-50x50x5	3-3	14	40	60	
8	T-50x50x5	3-3	14	40	60	
9	TYPE K1	-	-	-	-	
10	T-50x50x5	3-3	14	40	60	
11	T-50x50x5	3-3	14	40	60	

MEMBER LIST TYPE K3

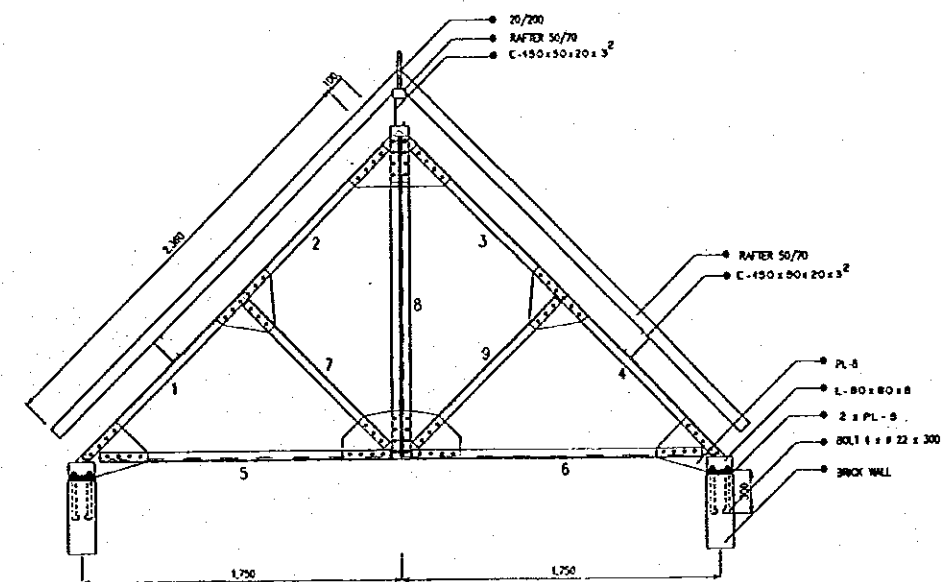
NO. MEMBER	PROFILE	BOLTS		DISTANCE		NOTE
		TOTAL	Ø mm	a mm	b mm	
1 = 4	T-50x50x5	4-3	14	40	60	
2 = 3	T-50x50x5	3-4	14	40	60	
5 = 6	L-50x50x5	4-4	14	40	60	
7 = 9	T-50x50x5	3-3	14	40	60	
8	T-50x50x5	4-4	14	40	60	

MEMBER LIST TYPE KS

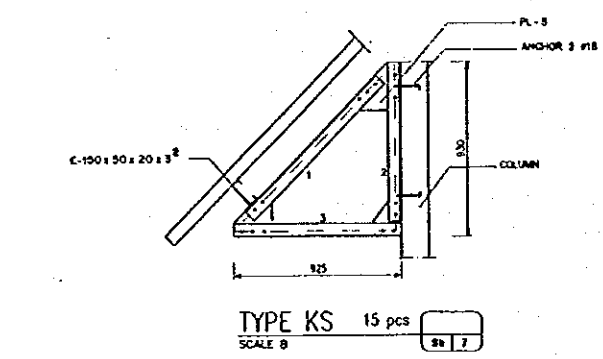
NO. MEMBER	PROFILE	BOLTS		DISTANCE		NOTE
		TOTAL	Ø mm	a mm	b mm	
1	T-70x70x7	2-3	14	40	60	
2	L-70x70x7	3-2	14	40	60	
3	L-70x70x7	3-2	14	40	60	



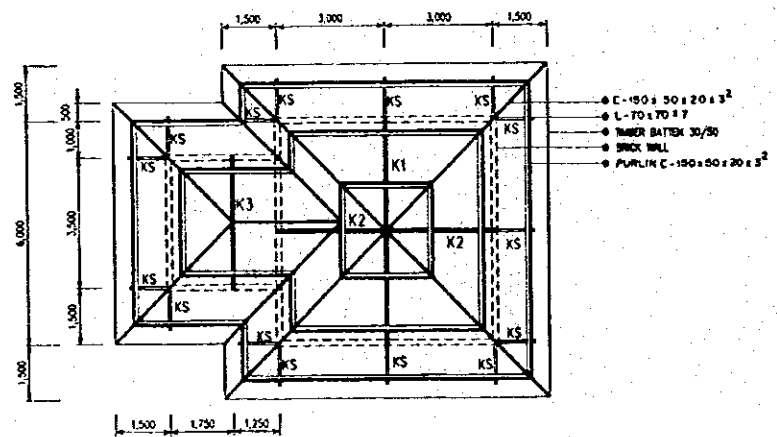
TYPE K2 2 pcs
SCALE B



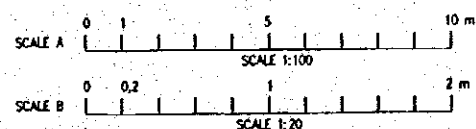
TYPE K3 1 pcs
SCALE B



TYPE KS 15 pcs
SCALE B



ROOF PLAN
SCALE A



NO.	DATE	REVISIONS	ORGANIZED	DESIGNED	APPROVED

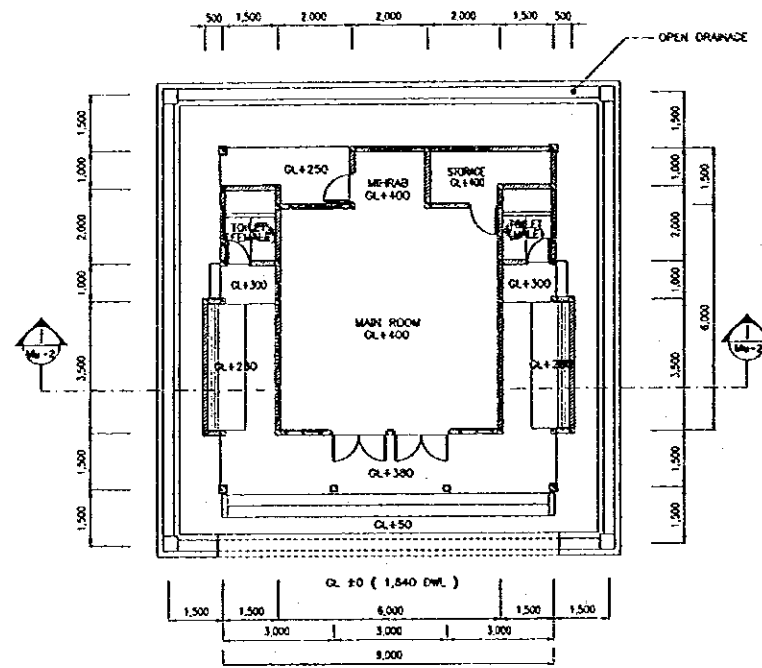
THE REPUBLIC OF INDONESIA
MINISTRY OF PUBLIC WORKS
DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT
AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT

IRATUNSELUNA FLOOD CONTROL PROJECT
COMPONENT : JATIBARANG DAM CONSTRUCTION
ROOF & STRUCTURE
STAFF HOUSE 2

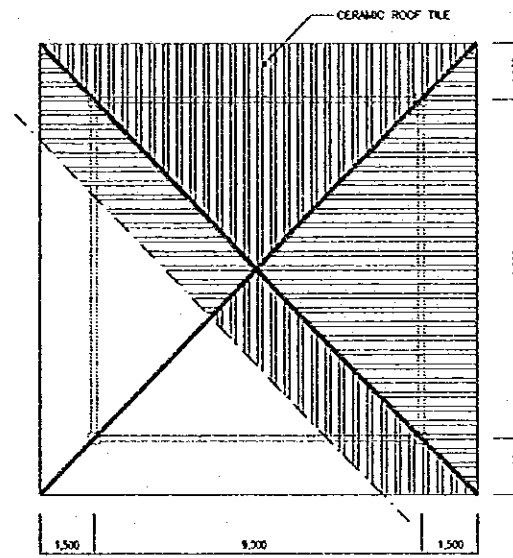
JAPAN INTERNATIONAL COOPERATION AGENCY
CIE ENGINEERING CONSULTING AND ARCHITECTURE
PACIFIC CONSULTANTS INTERNATIONAL AND
PACIFIC INTERNATIONAL INC

DESIGNED: *[Signature]*
CHECKED: *[Signature]*
CHIEF OF PLANNING AND DESIGN
PROJECT MANAGER

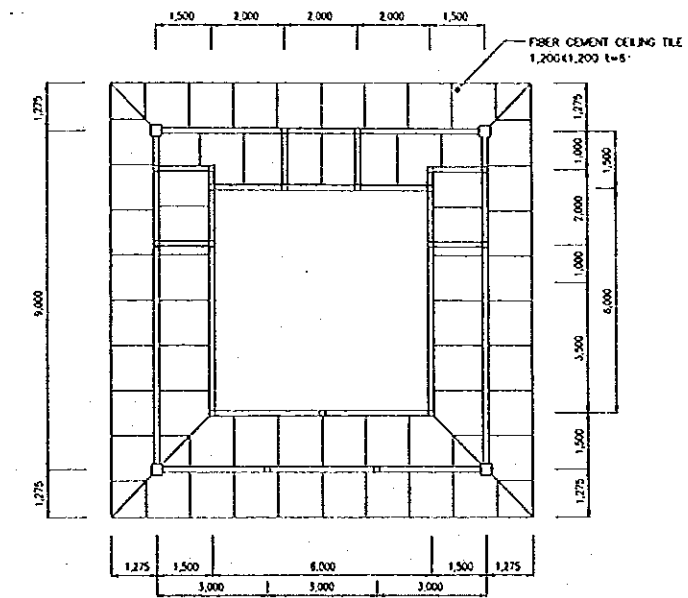
PROVINCE: CENTRAL JAVA
PROJECT NAME: FLOOD CONTROL, URINE DRAINAGE AND WATER RESOURCES DEVELOPMENT IN SEMARANG IN THE REPUBLIC OF INDONESIA
DISTRICT: SEMARANG CITY
DRAWING NO. JO-P2-MC-5A-7
SHEET NO. 47
DATE: *[Date]*
CONTRACT NO. *[Contract No.]*



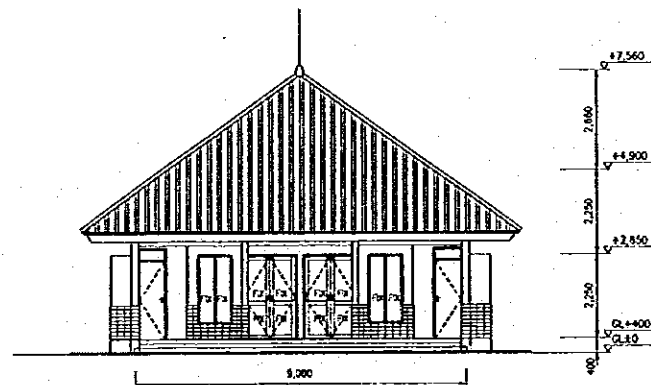
FLOOR PLAN
SCALE A



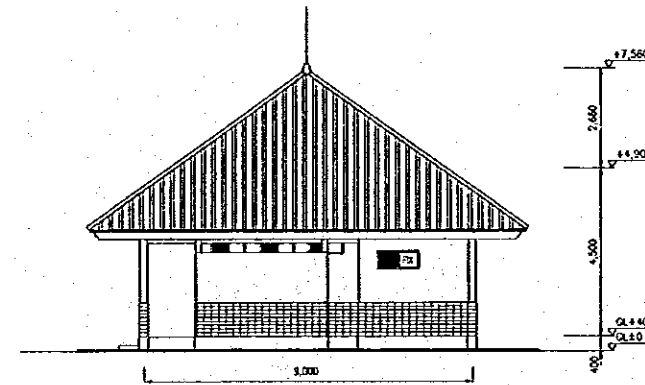
ROOF PLAN
SCALE A



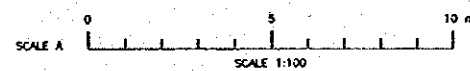
REFLECTED
CEILING PLAN
SCALE A



EAST ELEVATION
SCALE A

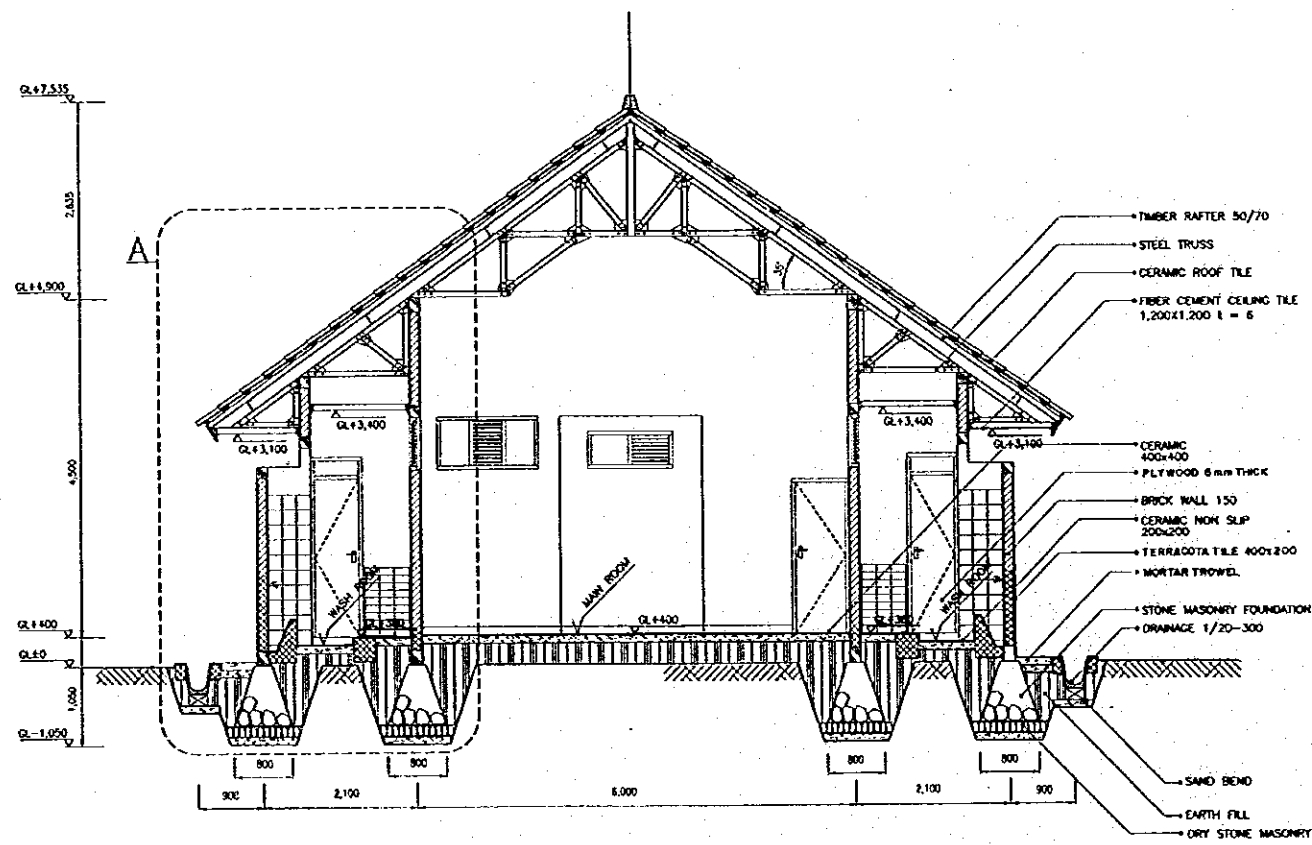


NORTH ELEVATION
SCALE A

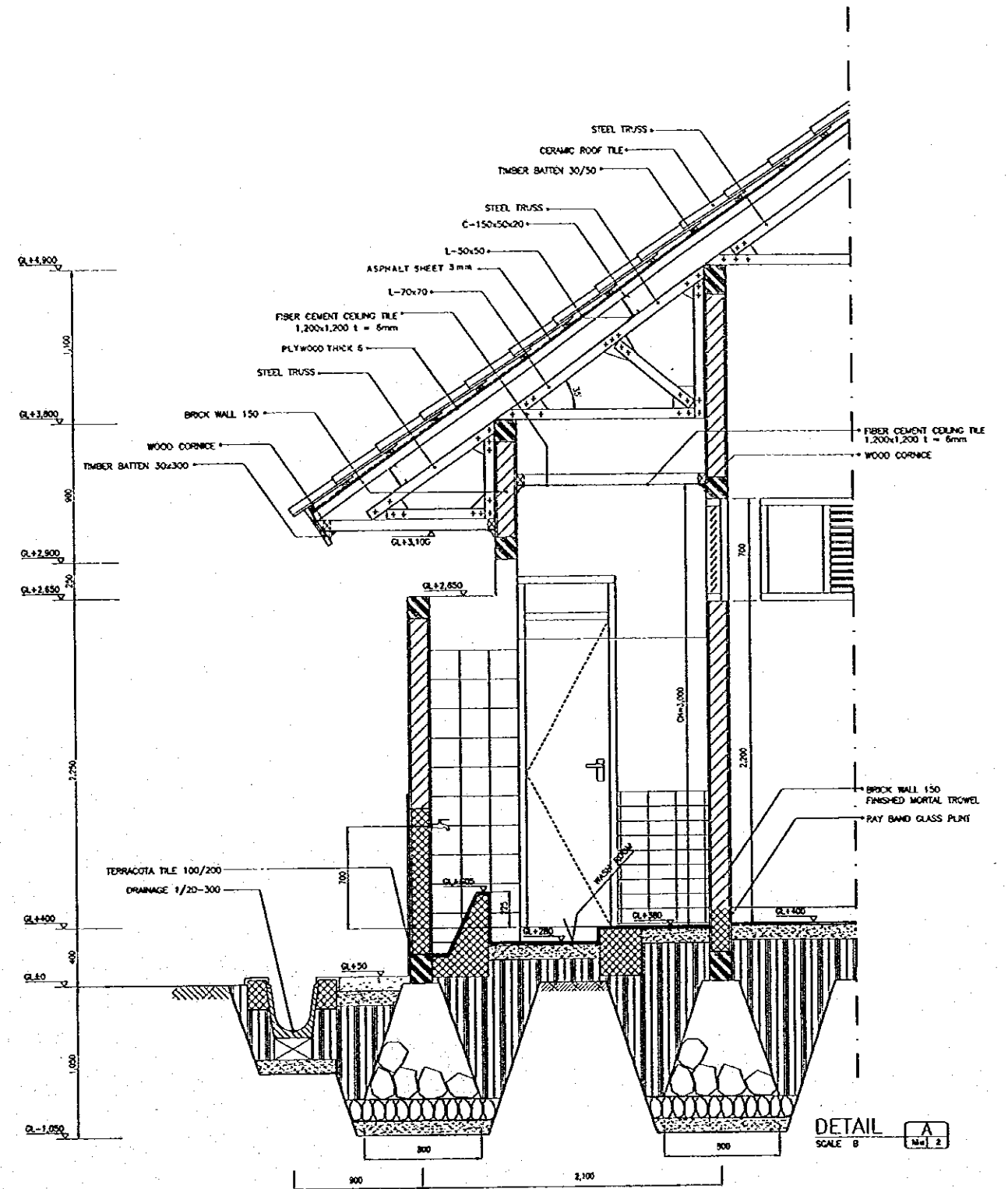


NO.	DATE	REVISIONS	ORIGINATED	DESIGNED	APPROVED	APPROVED

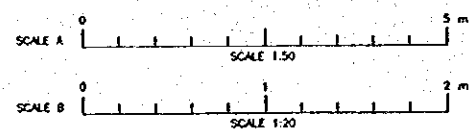
THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT		PROVINCE CENTRAL JAVA
BRATUNSELUNA FLOOD CONTROL PROJECT COMPONENT: JATIBARANG DAM CONSTRUCTION JATIBARANG DAM MANAGEMENT COMPLEX FLOOR PLAN, ROOF PLAN REFLECTED CEILING PLAN & ELEVATION MUSHOLA		PROJECT NAME FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCE DEVELOPMENT IN SEMARANG IN THE REPUBLIC OF INDONESIA
JAPAN INTERNATIONAL COOPERATION AGENCY CITY ENGINEERING CO. LTD. IN ASSOCIATION WITH PACIFIC CONSULTANTS INTERNATIONAL, INC. TOKYO INTERNATIONAL INC.		DISTRICT SEMARANG CITY DRAWING NO. JD-P2-MC-Mu-1 SHEET NO. 48
CHIEF OF PLANNING AND DESIGN PROJECT MANAGER		DATE CONTRACT NO.



SECTION I - I
SCALE A

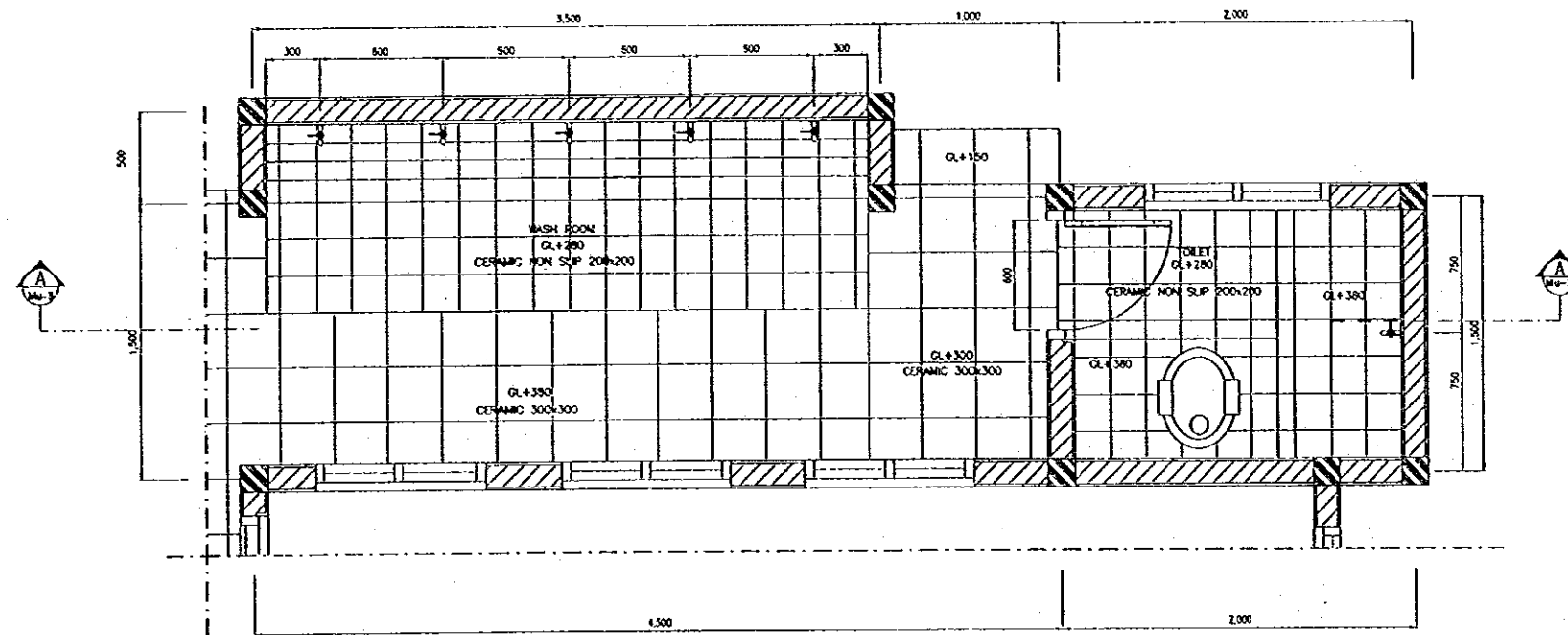


DETAIL A
SCALE B

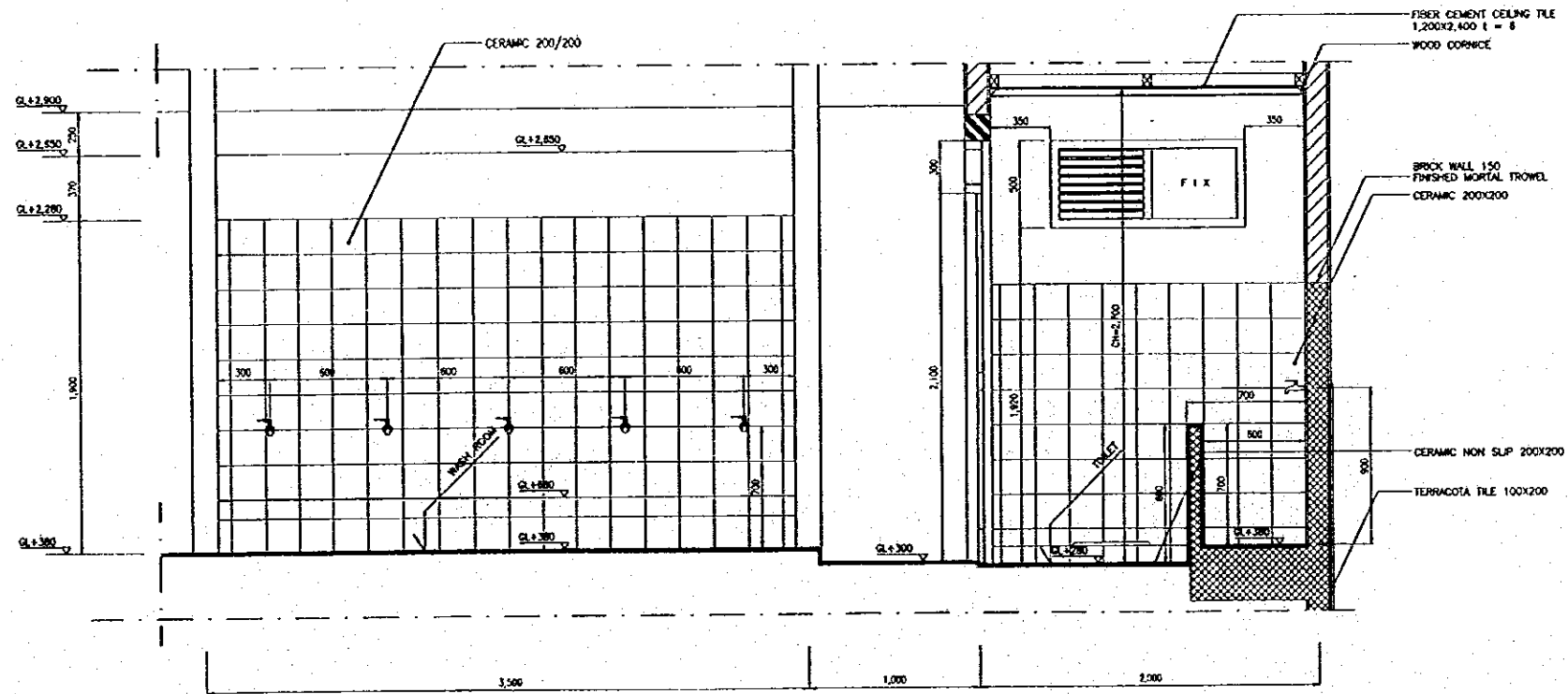


NO	DATE	REVISIONS	ORIGINATED	DESIGNED	APPROVED

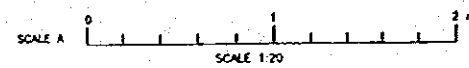
	THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT		PROVINCE CENTRAL JAVA
	IRATUNBELUNA FLOOD CONTROL PROJECT COMPONENT : JATIBARANG DAM CONSTRUCTION JATIBARANG DAM MANAGEMENT COMPLEX SECTION & DETAIL MUSHOL A		PROJECT NAME FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT IN SURABAYA IN THE REPUBLIC OF INDONESIA
	SARAF INTERNATIONAL COOPERATION AGENCY CITY BROWNSVILLE, TEXAS, U.S.A. PACIFIC CONSULTANTS INTERNATIONAL, INC. JAKARTA, INDONESIA		DISTRICT SEMARANG CITY
	DESIGNED: <i>[Signature]</i> CHECKED: <i>[Signature]</i> CEEF OF PLANNING AND DESIGN PROJECT MANAGER		DRAWING NO. JD-P2-MC-MU-2 SHEET NO. 49 DATE: CONTRACT NO.



PLAN
SCALE A 1:30

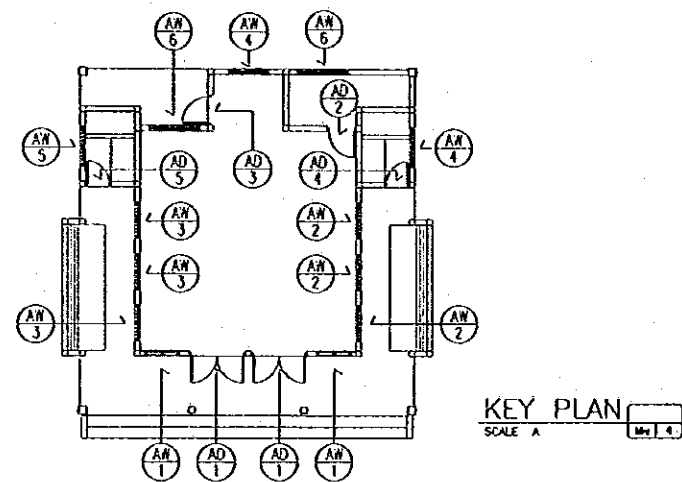


SECTION A - A
SCALE A 1:30



NO.	DATE	REVISIONS	ORIGINATED	DESIGNED	APPROVED

THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT		PROVINCE CENTRAL JAWA	
RIATUNSELUMA FLOOD CONTROL PROJECT COMPONENT : JATIBARANG DAM CONSTRUCTION JATIBARANG DAM MANAGEMENT COMPLEX DETAIL WASH ROOM & TOILET MUSHOLA		PROJECT NAME FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT IN SEMARANG IN THE REPUBLIC OF INDONESIA	
SARWI INTERNATIONAL CONSULTING AGENCY C/O ENGINEERING COLLEGE ST. ANTHONY'S PACIFIC COMMUNITY INTERNATIONAL, 400 PLAZA INTERNATIONAL, INC.		DISTRICT SEMARANG CITY	
DESIGNED CHECKED APPROVED		DRAWING NO. J0 - P2 - MC - MU - 3 SHEET NO. 50	
DATE		CONTRACT NO.	
PROJECT MANAGER		DATE	



MARK		QTY		AD 1	2
SHAPE					
TYPE				DOUBLE SWING	
MATERIAL	FINISH	FRAME	ALU	ANO	
		PANEL	GLASS		
GLASS			CLEAR 5 MM THICK		
HARDWARE			METAL FITTINGS COMPLETE SET		
POSITION			MAIN ROOM		

AD 2	1	AD 3	1	AD 4	1	AD 5	1	AD 6	2
SINGLE SWING		SINGLE SWING		SINGLE SWING		SINGLE SWING		FIX	
ALU	ANO	ALU	ANO	ALU	ANO	ALU	ANO	ALU	ANO
PLYWOOD 6 MM THICK	PRC	PLYWOOD 6 MM THICK	PRC	PLYWOOD 6 MM THICK	PRC	PLYWOOD 6 MM THICK	PRC	GLASS	-
METAL FITTINGS COMPLETE SET		METAL FITTINGS COMPLETE SET		METAL FITTINGS COMPLETE SET		METAL FITTINGS COMPLETE SET		CLEAR 5 MM THICK	
STORAGE		MIHRAB		TOILET (MALE)		TOILET (FEMALE)		MAIN ROOM	
AW 2	3	AW 3	3	AW 4	2	AW 5	1	AW 6	2
LOUVER & FIX		FIX & LOUVER		LOUVER & FIX		FIX & LOUVER		FIX & LOUVER	
ALU	ANO	ALU	ANO	ALU	ANO	ALU	ANO	ALU	ANO
GLASS & ALU	ANO	GLASS & ALU	ANO	GLASS & ALU	ANO	GLASS & ALU	ANO	GLASS & ALU	ANO
CLEAR 5 MM THICK		CLEAR 5 MM THICK		CLEAR 5 MM THICK		CLEAR 5 MM THICK		CLEAR 5 MM THICK	
METAL FITTINGS COMPLETE SET		METAL FITTINGS COMPLETE SET		METAL FITTINGS COMPLETE SET		METAL FITTINGS COMPLETE SET		METAL FITTINGS COMPLETE SET	
MAIN ROOM		MAIN ROOM		MIHRAB & TOILET (MALE)		TOILET (FEMALE)		MAIN ROOM & STORAGE	

LEGEND :

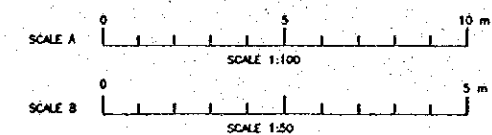
- AD : ALUMINUM DOOR
- AW : ALUMINUM WINDOW
- AL : ALUMINUM LOUVER
- ADW : ALUMINUM DOOR WINDOW

MATERIAL :

- ALU : ALUMINUM
- ANO : ANODIZED
- PRC : POLYUR, CLEAR SEMI-GLOSS

DOORS & WINDOWS SYMBOL

REFERENCE NO.



DOOR & WINDOW SCHEDULE
SCALE B

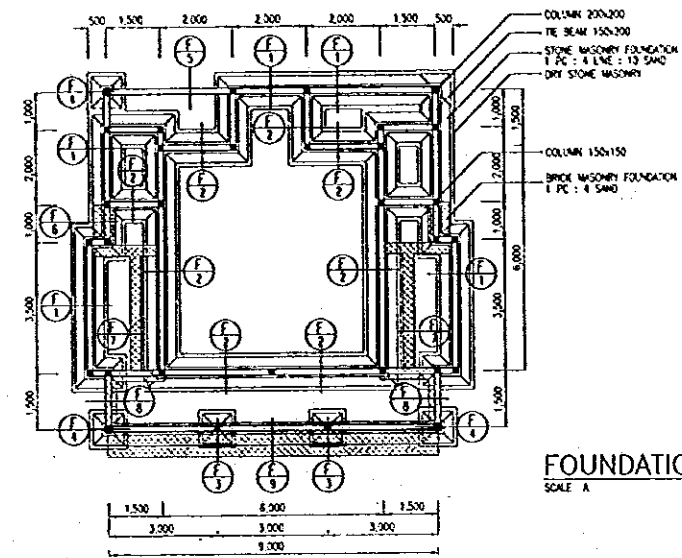
NO.	DATE	REVISIONS	ORIGINATED	DESIGNED	APPROVED

THE REPUBLIC OF INDONESIA
MINISTRY OF PUBLIC WORKS
DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT

PROVINCE: CENTRAL JAVA
PROJECT NAME: JATIBARANG DAM CONSTRUCTION
DISTRICT: SEMARANG CITY
DRAWING NO.: JD-P2-MC-Mu-4
SHEET NO.: 51

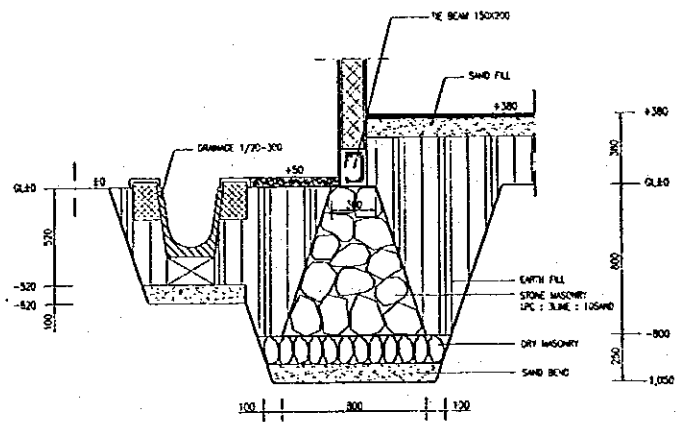
JATIBARANG DAM MANAGEMENT COMPLEX
KEY PLAN & DOOR, WINDOW SCHEDULE
MUSHOLA

DATE: _____
CONTRACT NO.: _____

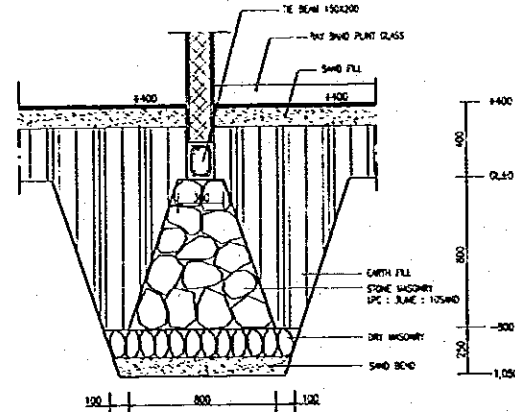


FOUNDATION PLAN
SCALE A

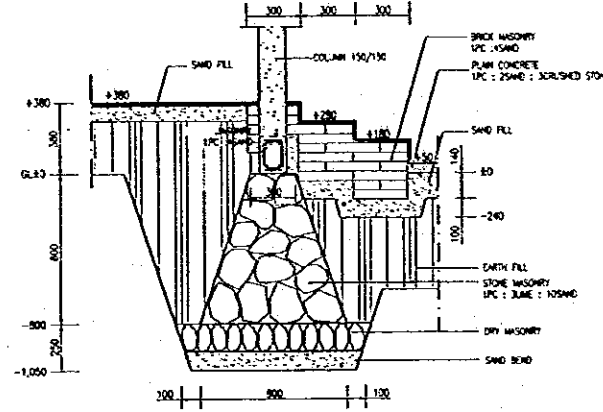
DETAIL F1



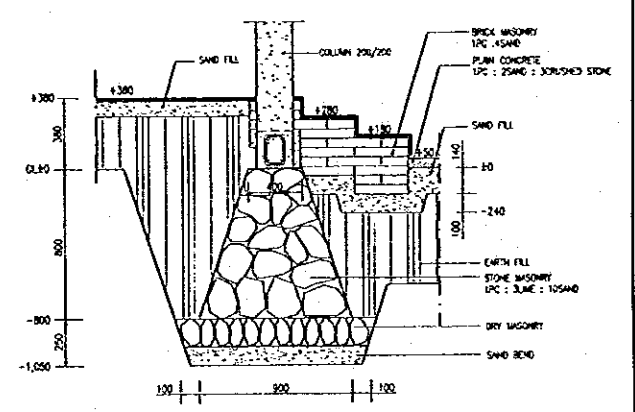
DETAIL F2



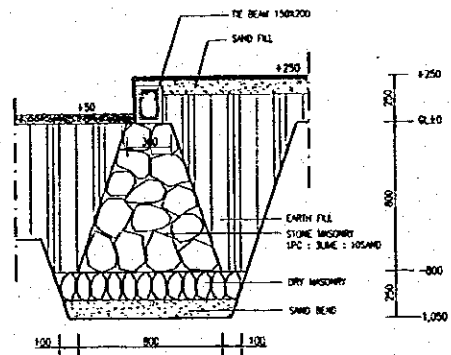
DETAIL F3



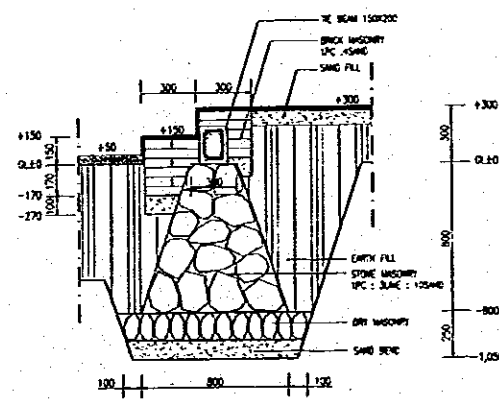
DETAIL F4



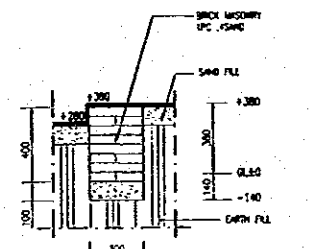
DETAIL F5



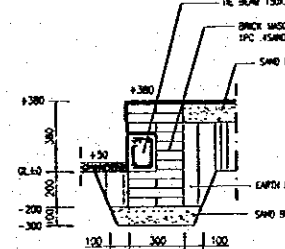
DETAIL F6



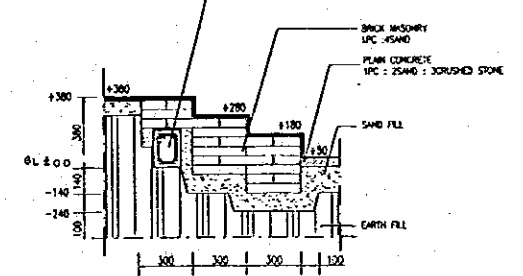
DETAIL F7



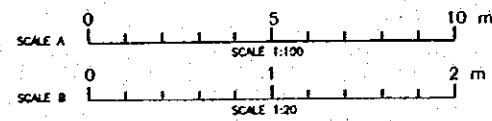
DETAIL F8



DETAIL F9

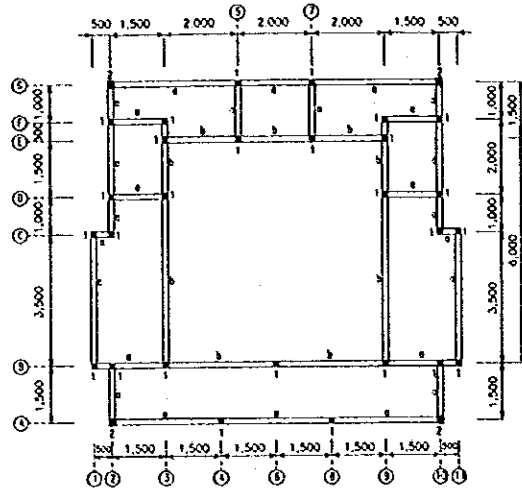


FOUNDATION SCHEDULE
SCALE B



NO	DATE	REVISIONS	ORIGINATED	DESIGNED	APPROVED

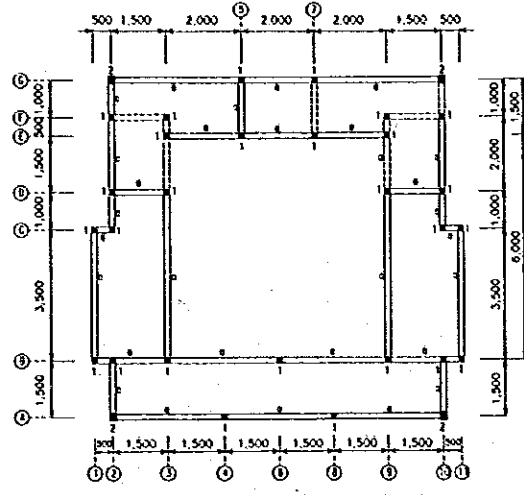
THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT		PROVINCE CENTRAL JAVA
JRATUNSELUNDA FLOOD CONTROL PROJECT COMPONENT : JATIBARANG DAM CONSTRUCTION JATIBARANG DAM MANAGEMENT COMPLEX FOUNDATION PLAN AND DETAIL MUSHOLLA		PROJECT NAME FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT IN SEMARANG IN THE REPUBLIC OF INDONESIA
JAPAN INTERNATIONAL COOPERATION AGENCY CITY ENGINEERING CO., LTD. IN ASSOCIATION WITH PACIFIC CONSULTANTS INTERNATIONAL AND PACIFIC INTERNATIONAL, INC.		DISTRICT SEMARANG CITY
DESIGNED CHECKED CHIEF OF PLANNING AND DESIGN		DRAWING NO. JD-P2-MC-Mu-5 SHEET NO. 52
APPROVED PROJECT MANAGER		DATE CONTRACT NO.



COLUMN AND RING BEAM PLAN +3.850

SCALE A

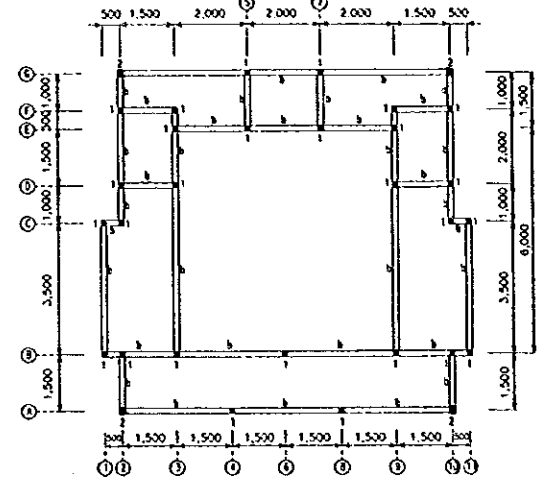
M=6



COLUMN AND TIE BEAM PLAN +2.650

SCALE A

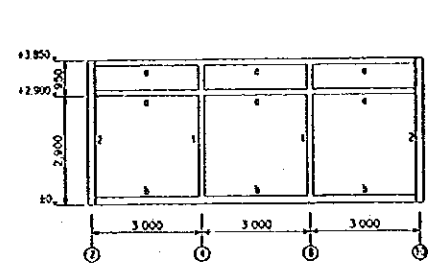
M=6



COLUMN AND TIE BEAM PLAN ±0

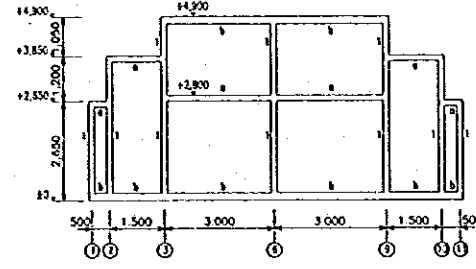
SCALE A

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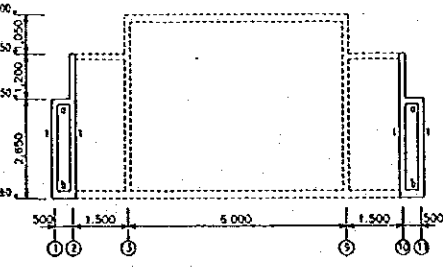
FRAMING LINE A

SCALE A



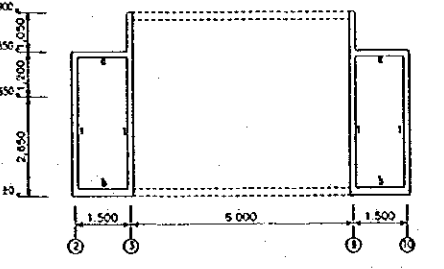
FRAMING LINE B

SCALE A



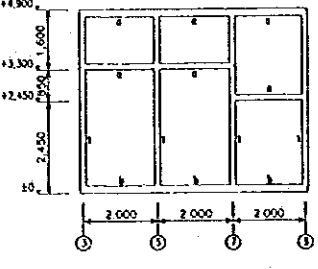
FRAMING LINE C

SCALE A



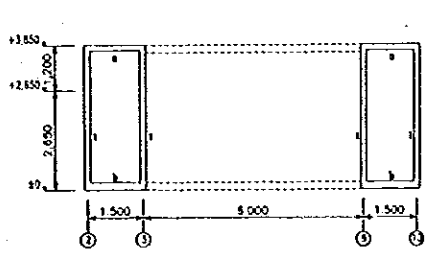
FRAMING LINE D

SCALE A



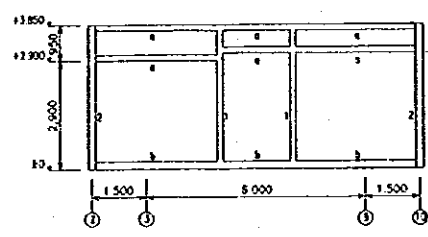
FRAMING LINE E

SCALE A



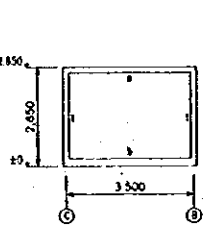
FRAMING LINE F

SCALE A



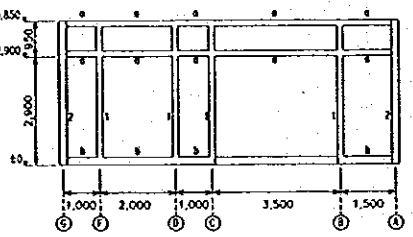
FRAMING LINE G

SCALE A



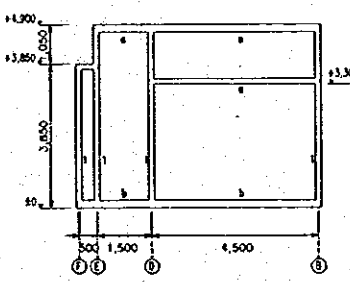
FRAMING LINE 1 & 11

SCALE A



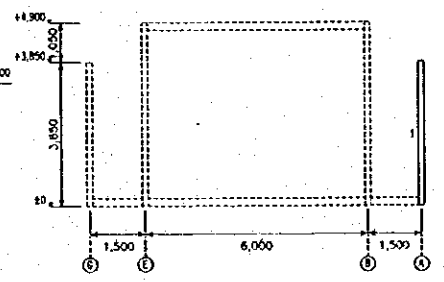
FRAMING LINE 2 & 10

SCALE A



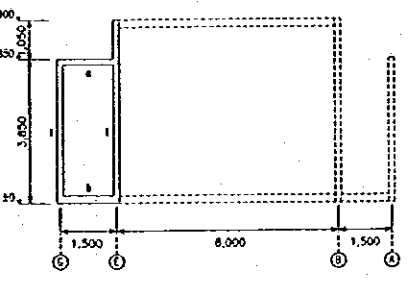
FRAMING LINE 3 & 9

SCALE A



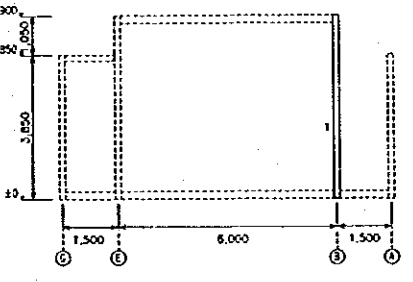
FRAMING LINE 4 & 8

SCALE A



FRAMING LINE 5 & 7

SCALE A



FRAMING LINE 6

SCALE A

TYPICAL SECTION OF COLUMN REINFORCEMENT		
	COLUMN TYPE (1)	COLUMN TYPE (2)
ARRANGEMENT	4 Ø 12	4 Ø 12
STIRRUP	#8-150	#8-150
SECTION	-	-
STIRRUP	-	-

TYPICAL SECTION OF COLUMN REINFORCEMENT

SCALE B

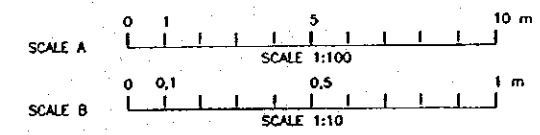
M=6

TYPICAL SECTION OF BEAM REINFORCEMENT		
ARRANGEMENT	BEAM TYPE (a)	BEAM TYPE (b)
TOP	2 Ø 12	2 Ø 12
MIDDLE	-	-
BOTTOM	2 Ø 12	2 Ø 12
STIRRUP	#8-150	#8-150

TYPICAL SECTION OF BEAM REINFORCEMENT

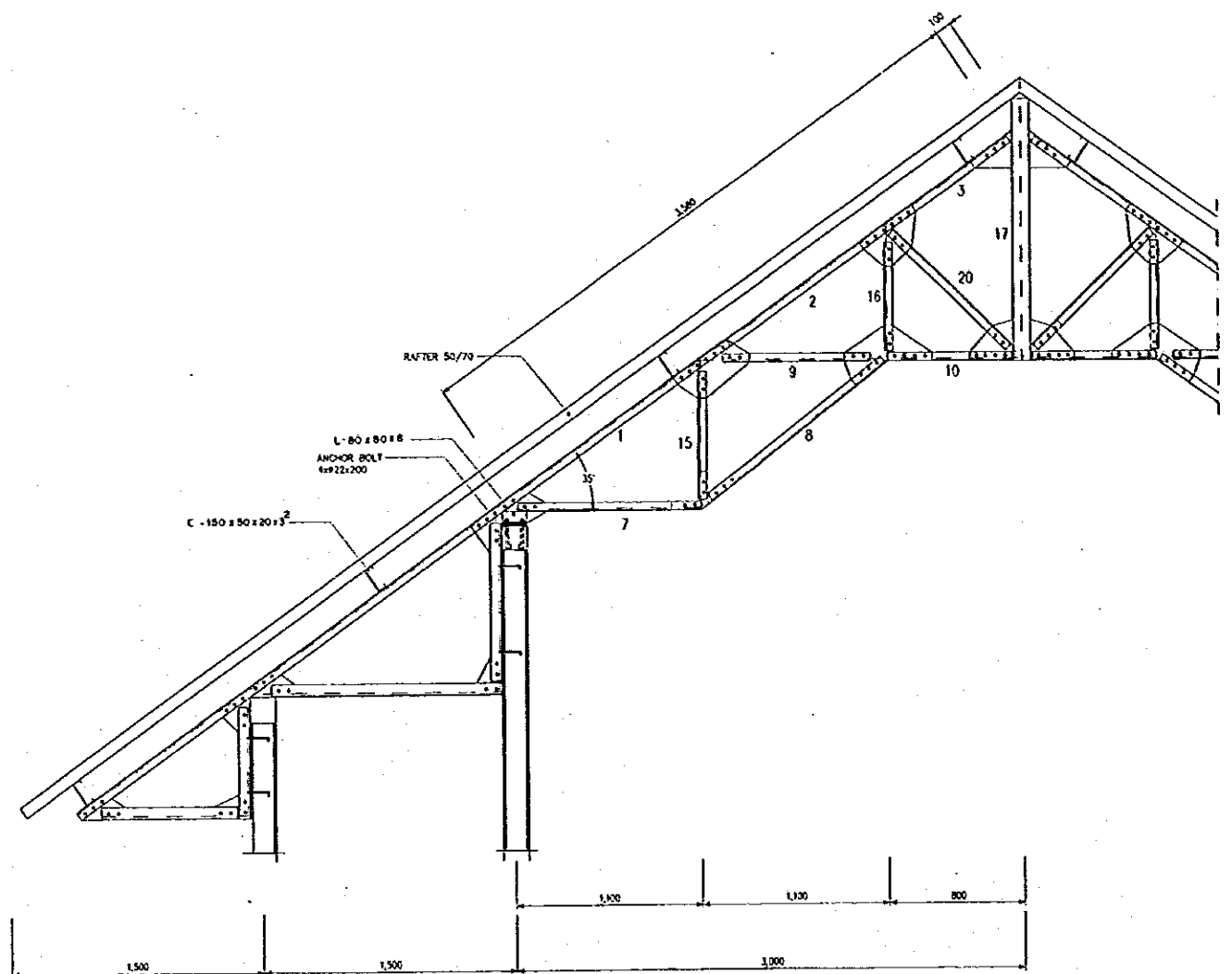
SCALE B

M=6

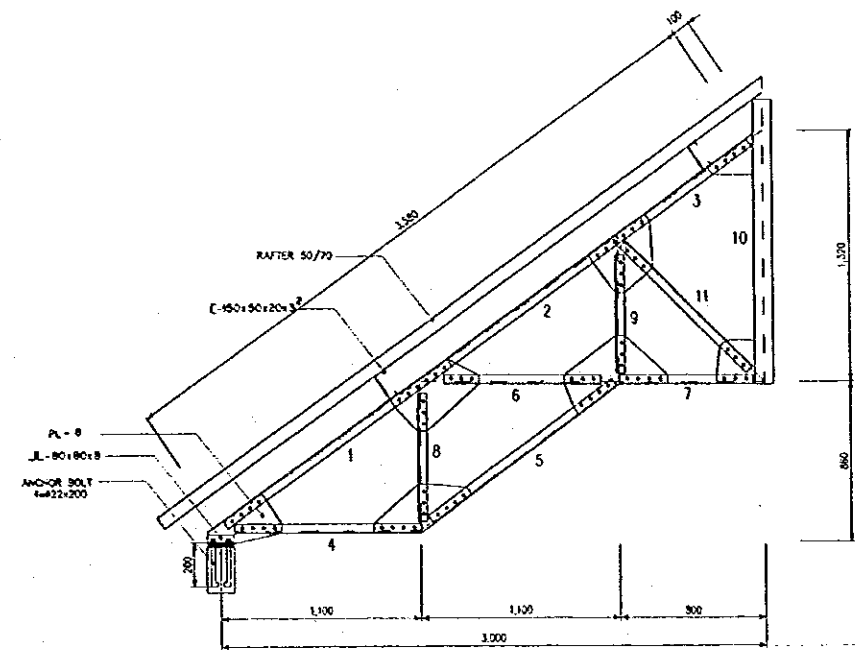


NO.	DATE	REVISIONS	ORIGINATED	DESIGNED	APPROVED

<p>THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT</p>	<p>PROVINCE CENTRAL JAVA</p>
	<p>PROJECT NAME FLOOD CONTROL URBAN DRAINAGE AND FRESH RESOURCES DEVELOPMENT IN SEMARANG IN THE REPUBLIC OF INDONESIA</p>
	<p>DISTRICT SEMARANG CITY</p>
	<p>DRAWING NO. JD-P2-MC-MU-6 SHEET NO. 53</p>
<p>JRATUNSELUNA FLOOD CONTROL PROJECT COMPONENT : JATISARANG DAM CONSTRUCTION JATISARANG DAM MANAGEMENT COMPLEX COLUMN, TIE BEAM AND FRAMING ELEVATION MUSHOLA</p>	<p>DATE CONTRACT NO.</p>
<p>JAPAR INTERNATIONAL COOPERATION AGENCY PT. ENGINEERING CO. LTD. IN ASSOCIATION WITH PACIFIC CONSULTANTS INTERNATIONAL AND FASCO INTERNATIONAL, INC.</p>	<p>DESIGNED CHECKED</p>
<p>APPROVED</p>	<p>CHIEF OF PLANNING AND DESIGN PROJECT MANAGER</p>



TYPE K1 1 pcs
SCALE B



TYPE K2 2 pcs
SCALE B

MEMBER LIST TYPE K1

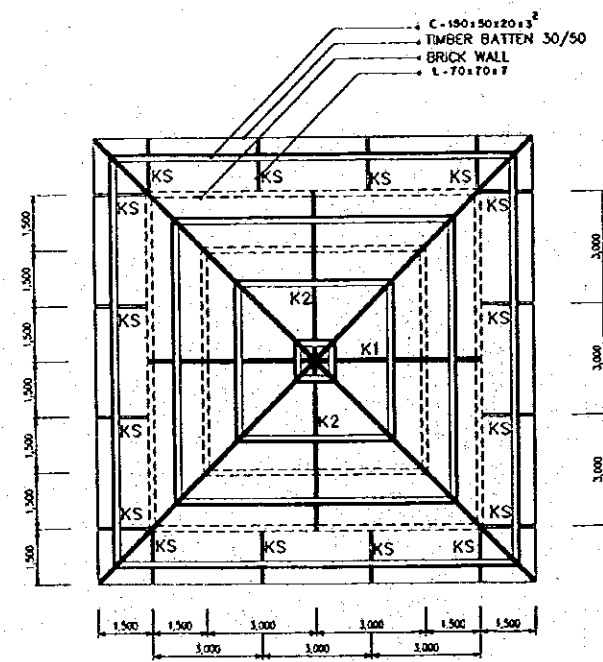
NO. MEMBER	PROFILE	BOLTS		DISTANCE		NOTE
		TOTAL	# mm	a mm	b mm	
1 = 8	T-50 x 50 x 5	2-2	15	40	60	
2 = 5	T-50 x 50 x 5	4-4	15	40	60	
3 = 4	T-50 x 50 x 5	3-3	15	40	60	
7 = 14	L-50 x 50 x 5	2-2	15	40	60	
8 = 13	L-50 x 50 x 5	3-3	15	40	60	
9 = 12	L-50 x 50 x 5	2-2	15	40	60	
10 = 11	L-50 x 50 x 5	4-4	15	40	60	
15 = 19	T-50 x 50 x 5	2-2	15	40	60	
16 = 18	L-50 x 50 x 5	2-2	15	40	60	
17	PIPE Ø 101.6	-	-	-	-	
20 = 21	T-50 x 50 x 5	2-2	15	40	60	

MEMBER LIST TYPE K2

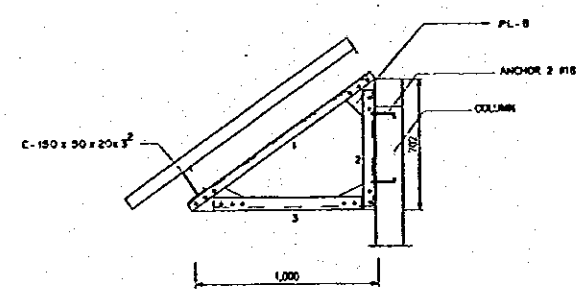
NO. MEMBER	PROFILE	BOLTS		DISTANCE		NOTE
		TOTAL	# mm	a mm	b mm	
1	T-50 x 50 x 5	4-3	14	40	60	
2	T-50 x 50 x 5	3-3	14	40	60	
3	T-50 x 50 x 5	3-4	14	40	60	
4	L-50 x 50 x 5	4-4	14	40	60	
5	L-50 x 50 x 5	4-4	14	40	60	
6	L-50 x 50 x 5	3-3	14	40	60	
7	L-50 x 50 x 5	4-3	14	40	60	
8	L-50 x 50 x 5	3-3	14	40	60	
9	L-50 x 50 x 5	3-3	14	40	60	
10	PIPE Ø 101.6	-	-	-	-	
11	T-50 x 50 x 5	3-3	14	40	60	

MEMBER LIST TYPE KS

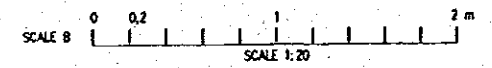
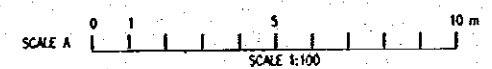
NO. MEMBER	PROFILE	BOLTS		DISTANCE		NOTE
		TOTAL	# mm	a mm	b mm	
1	L-70 x 70 x 7	2-3	14	40	60	
2	L-70 x 70 x 7	3-2	14	40	60	
3	L-70 x 70 x 7	3-2	14	40	60	



ROOF PLAN
SCALE A



TYPE KS 16 pcs
SCALE B



NO.	DATE	REVISIONS	ORIGINATED	DESIGNED	APPROVED

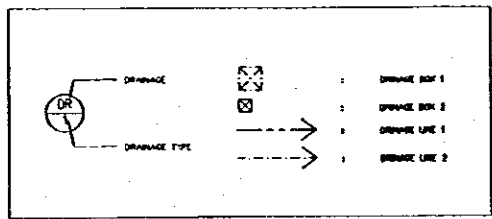
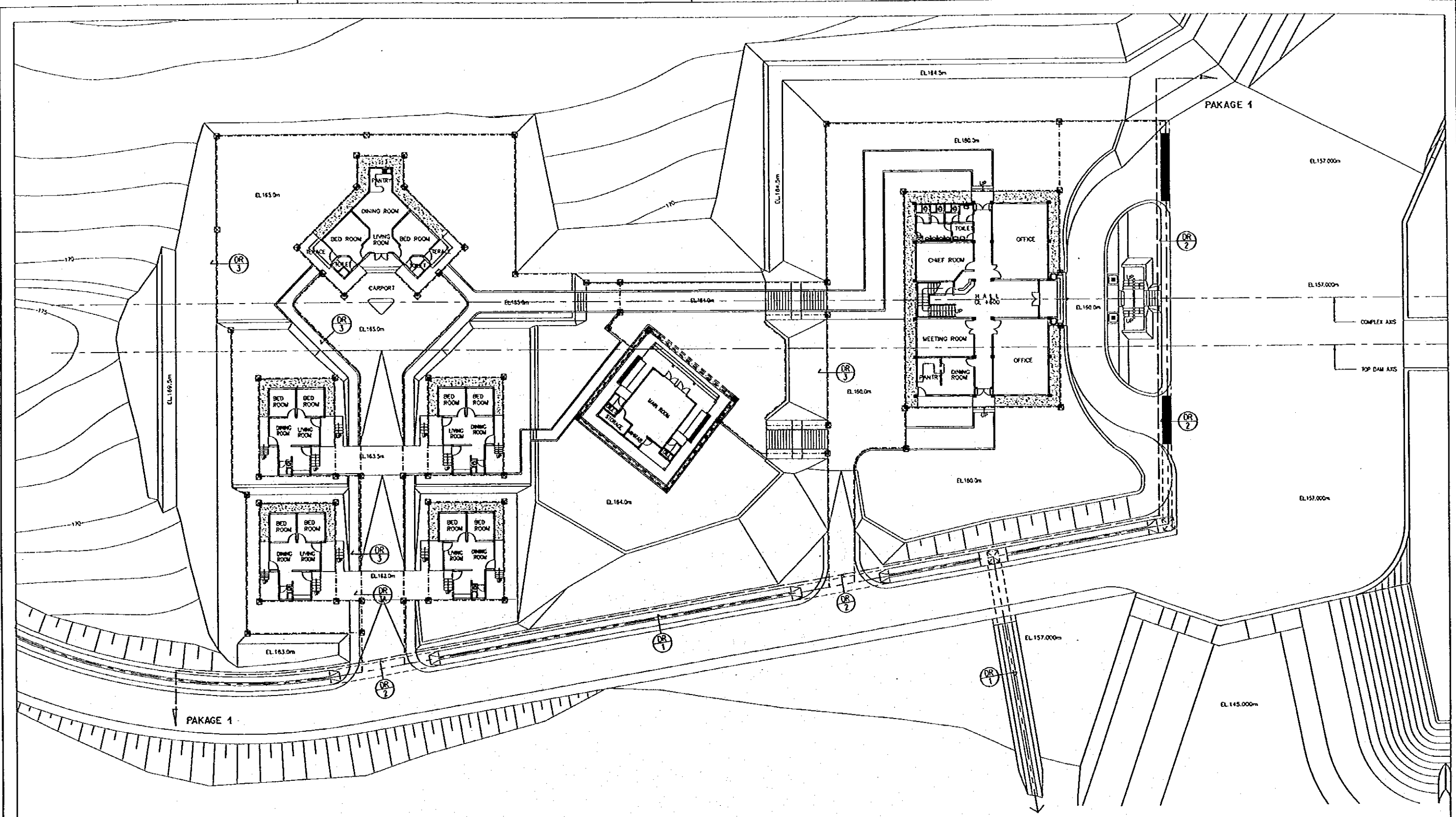
THE REPUBLIC OF INDONESIA
 MINISTRY OF PUBLIC WORKS
 DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT
 AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT

JATIBARANG DAM MANAGEMENT COMPLEX
 ROOF STRUCTURE
 MUSHOLA

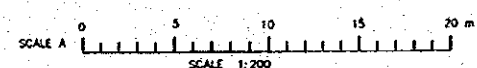
JAPAN INTERNATIONAL COOPERATION AGENCY
 CIVIL ENGINEERING CO. LTD. IN ASSOCIATION WITH
 PACIFIC CONSULTANTS INTERNATIONAL AND
 PARCO INTERNATIONAL INC.

DESIGNED: *[Signature]*
 CHECKED: *[Signature]*
 PROJECT MANAGER

PROVINCE: CENTRAL JAVA
 PROJECT NAME: FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT OF SEMARANG IN THE REPUBLIC OF INDONESIA
 DISTRICT: SEMARANG CITY
 DRAWING NO. J0-P2-MC-Mu-7
 SHEET NO. 54
 DATE: _____ CONTRACT NO.: _____

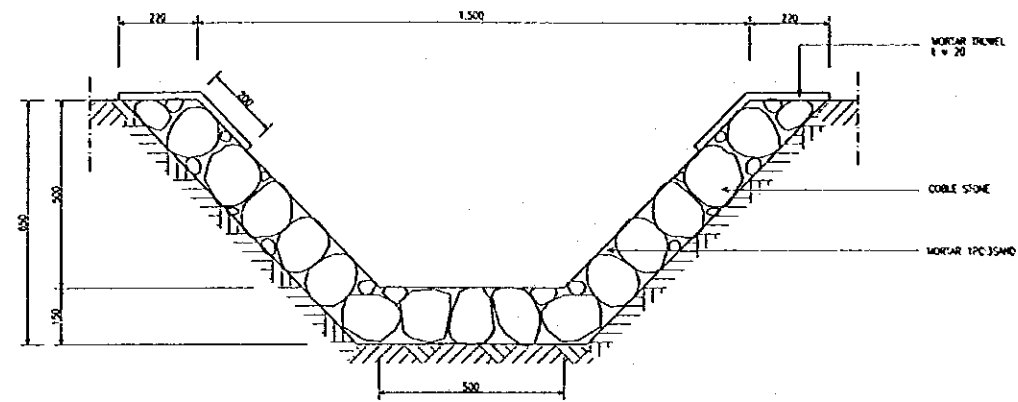


DRINAGE PLAN
SCALE A

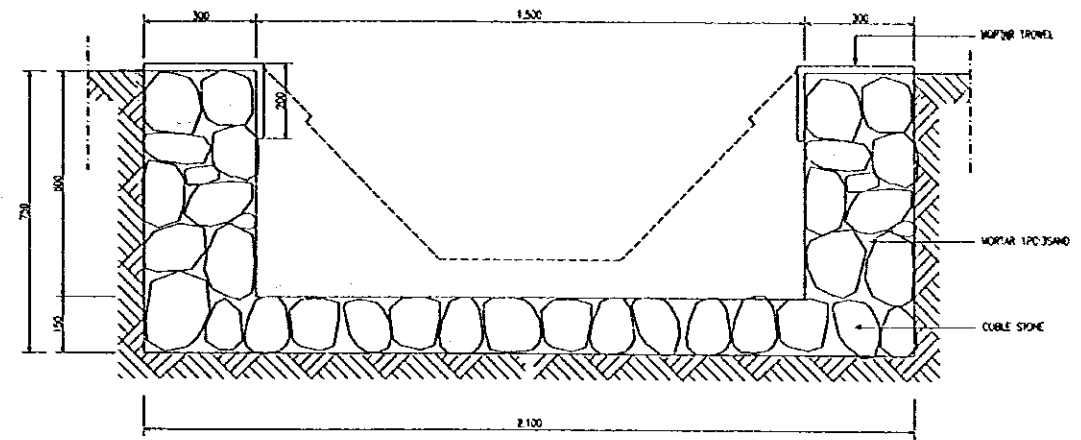


NO.	DATE	REVISION	ORIGINATOR	DESIGNER	APPROVER

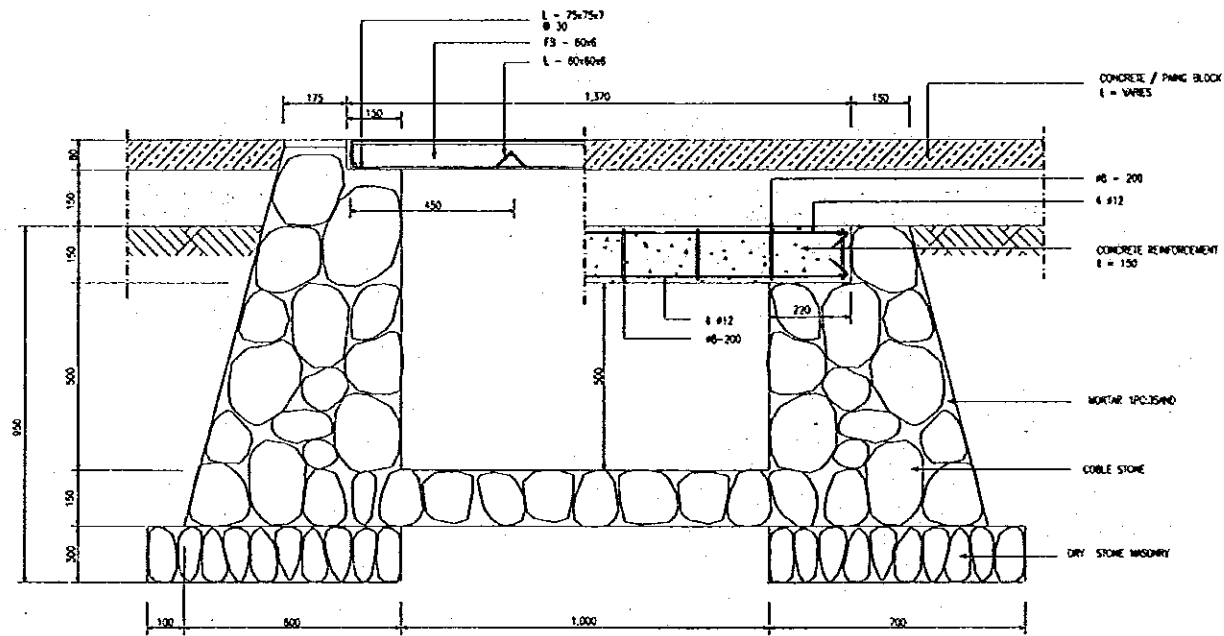
THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT		PROVINCE CENTRAL JAWA
JATIBARANG DAM MANAGEMENT COMPLEX DRAINAGE PLAN EXTERNAL WORKS		PROJECT NAME JATIBARANG DAM CONSTRUCTION
DRAWING NO. JD-P2-MC-Ex-1 SHEET NO. 55		PROJECT NO. ...
DESIGNED CHECKED APPROVED PROJECT MANAGER		CONTRACT NO. ...



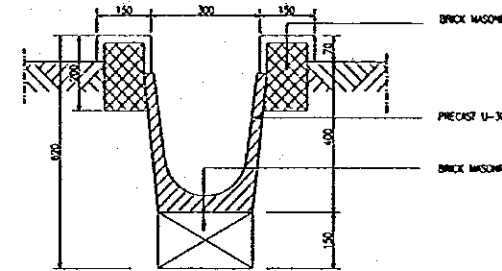
DRAINAGE TYPE 1 DETAIL
SCALE A



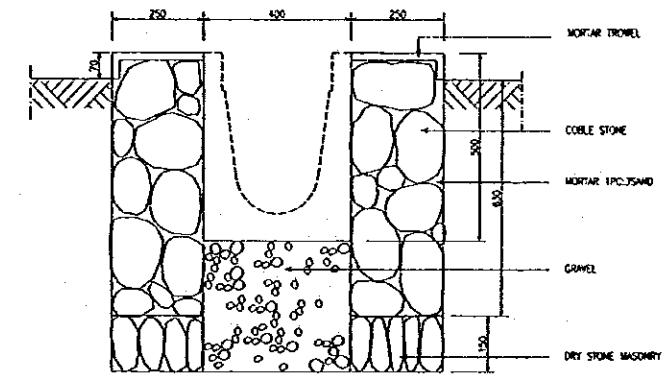
DRAINAGE BOX 1 DETAIL
SCALE A



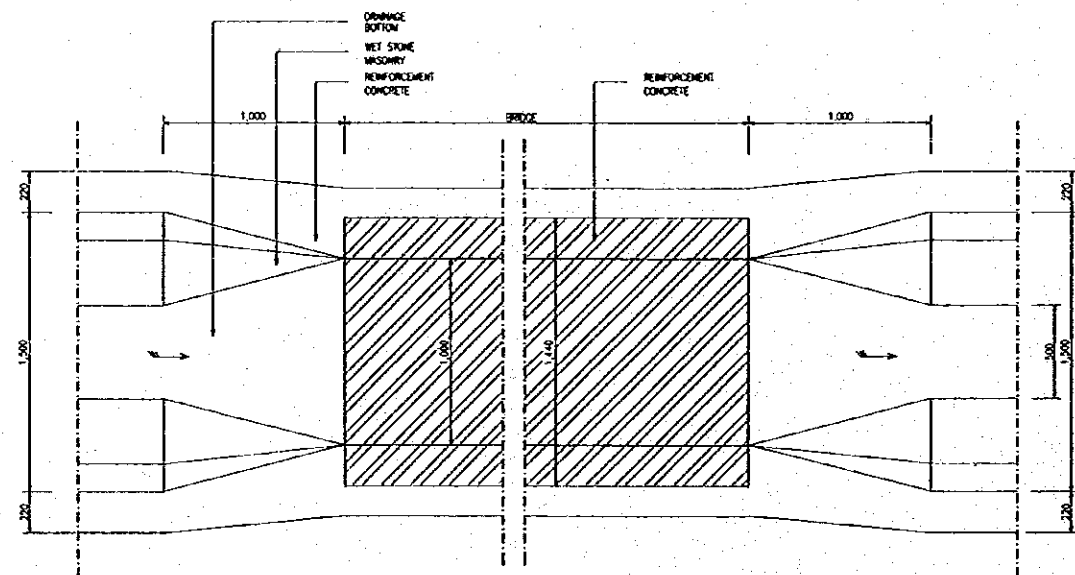
DRAINAGE TYPE 2 DETAIL
SCALE A



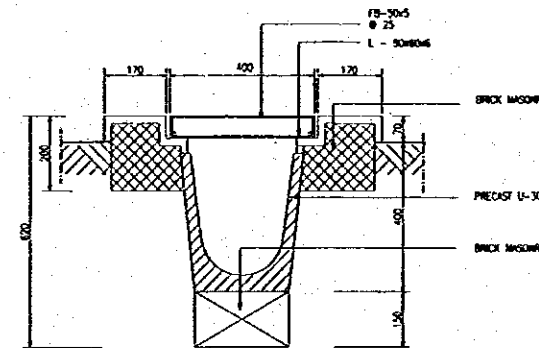
DRAINAGE TYPE 3 DETAIL
SCALE A



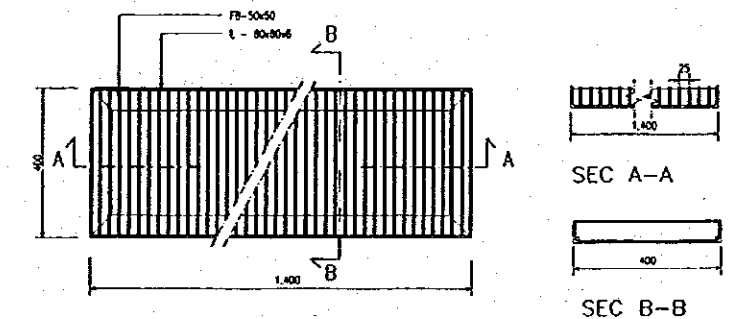
DRAINAGE BOX 2 DETAIL
SCALE A



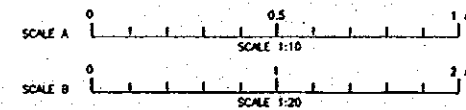
CONNECTION PLAN
SCALE B



DRAINAGE TYPE 3A DETAIL WITH GRATING COVER
SCALE A

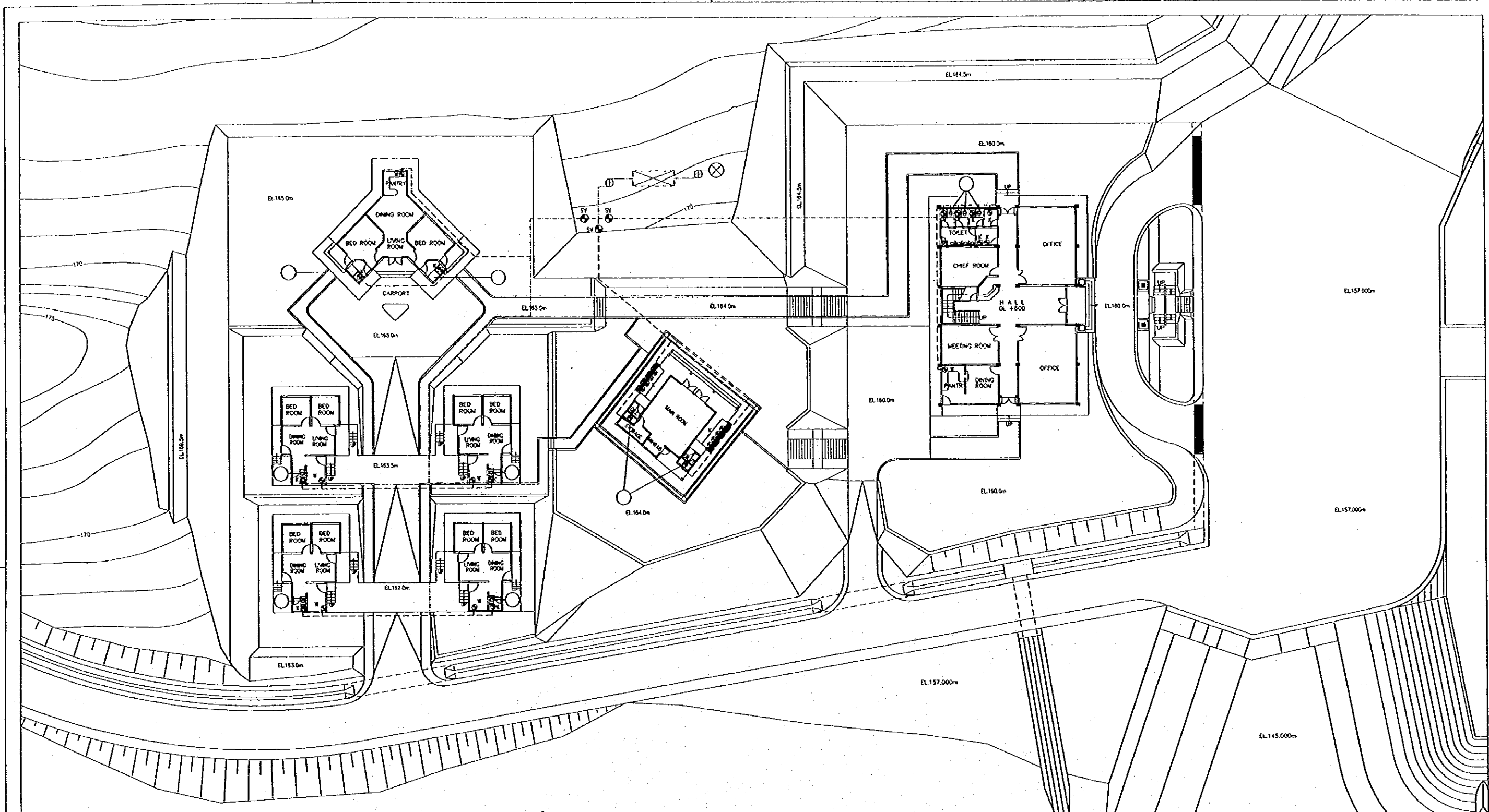


GRATING DETAIL
SCALE A



NO.	DATE	REVISIONS	ORIGINATED	DESIGNED

THE REPUBLIC OF INDONESIA DEPARTMENT OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT		PROVINCE CENTRAL JAVA
JRATUNSELUMA FLOOD CONTROL PROJECT COMPONENT : JATIBARANG DAM CONSTRUCTION JATIBARANG DAM MANAGEMENT COMPLEX DRAINAGE DETAIL EXTERNAL WORKS		PROJECT NAME PLAIN CONCRETE, WET STONE AND WATER RESOURCES DEVELOPMENT IN IRRAWADDI OF THE REPUBLIC OF INDONESIA
JAPAR INTERNATIONAL CONSULTING AGENCY CIL ENGINEERING CO. LTD of AMSTERDAM with PACIFIC CONSULTANTS INTERNATIONAL and PAFIC INTERNATIONAL, INC.		DISTRICT SEMARANG CITY
DESIGNED CHECKED CHIEF OF PLANNING AND DESIGN PROJECT MANAGER		DRAWING NO. JD-P2-MC-EX-2 SHEET NO. 56
APPROVED		DATE CONTRACT NO.

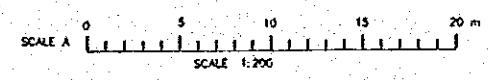


LEGEND

	WELL
	WASH BASIN
	FAUCET
	STOP VALVE
	WATER PUMP
	RESERVOIR
	PVC PIPE #19 ⁰⁸
	PVC PIPE #38 ¹
	PVC PIPE #101 ⁸

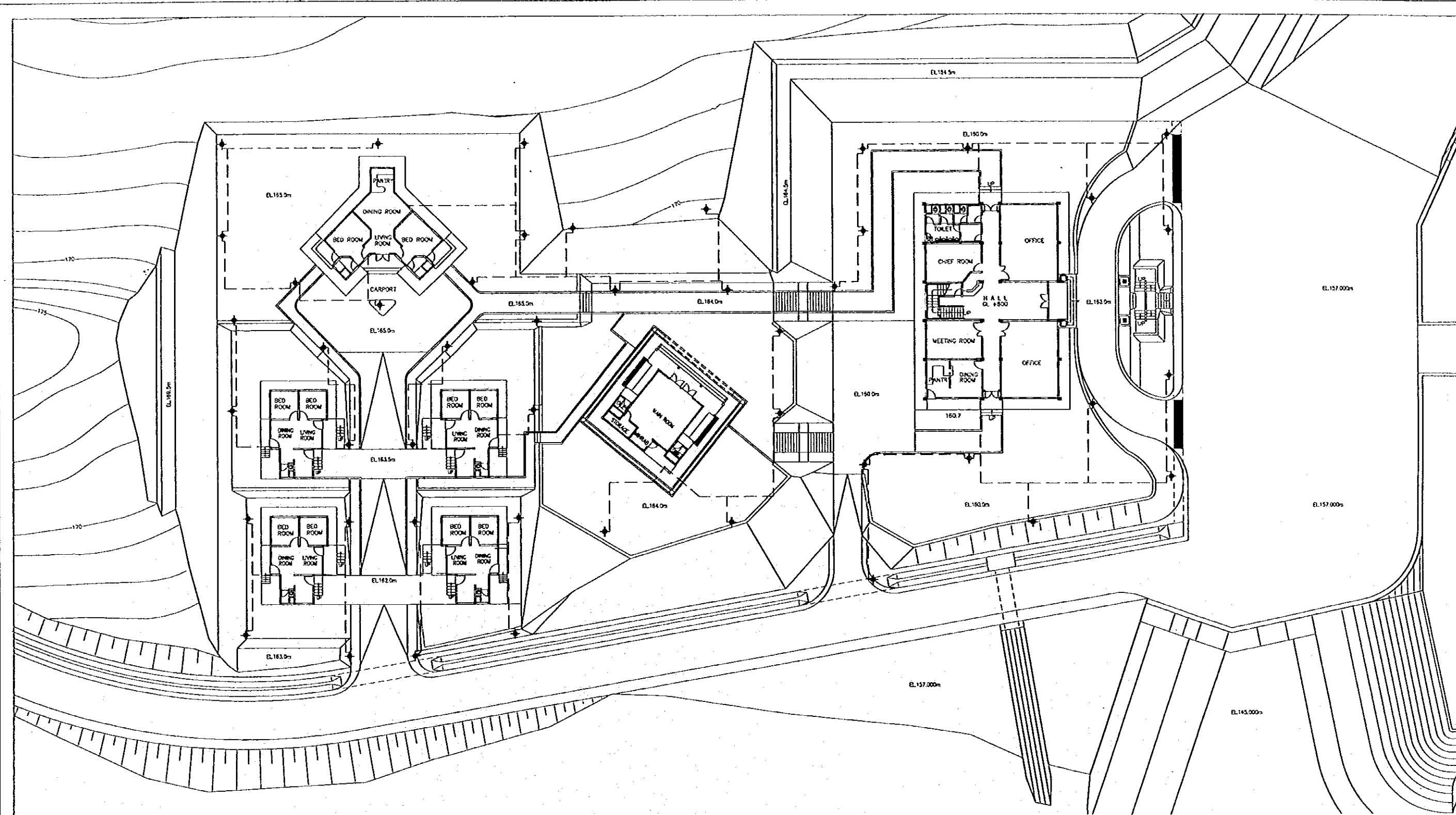


WATER SUPPLY DIAGRAM
SCALE A



NO.	DATE	REVISIONS	ORIGINATED	DESIGNED	APPROVED

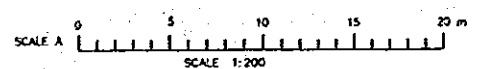
THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT		PROVINCE CENTRAL JAVA
MATUNIBELI FLOOD CONTROL PROJECT COMPONENT : JATIBARANG DAM CONSTRUCTION JATIBARANG DAM MANAGEMENT COMPLEX WATER SUPPLY DIAGRAM EXTERNAL WORKS		PROJECT NAME FLOOD CONTROL, URBAN DRAINAGE AND WASTE DISPOSAL DEVELOPMENT IN MATUNIBELI BY THE REPUBLIC OF INDONESIA
JAWAHIR INTERNATIONAL CONSULTING AGENCY C/O SURABAYA COLLEGE of Management and PACIFIC CONSULTANTS INTERNATIONAL and PACIFIC INTERNATIONAL, INC.		DISTRICT SEMARANG CITY
CREW OF PLANNING AND DESIGN PROJECT MANAGER		DRAWING NO. JD - P2 - MC - EX - 3 SHEET NO. 57
DESIGNED CHECKED DATE	APPROVED	CONTRACT NO.



LEGEND

: POLE POSITION
 : CABLE LINE

GENERAL LIGHTING PLAN
SCALE A



NO.	DATE	REVISIONS	ORIGINATED	DESIGNED	APPROVED

THE REPUBLIC OF INDONESIA
 MINISTRY OF PUBLIC WORKS
 DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT

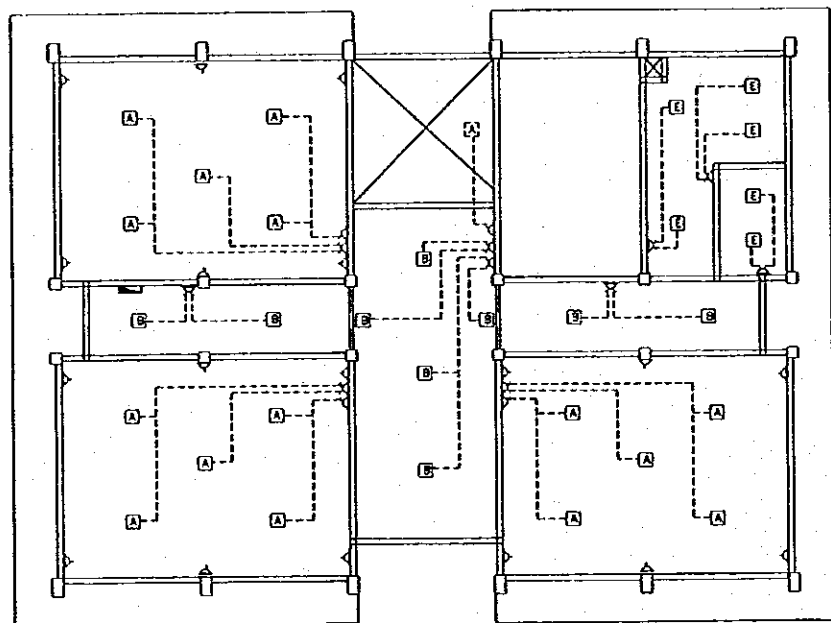
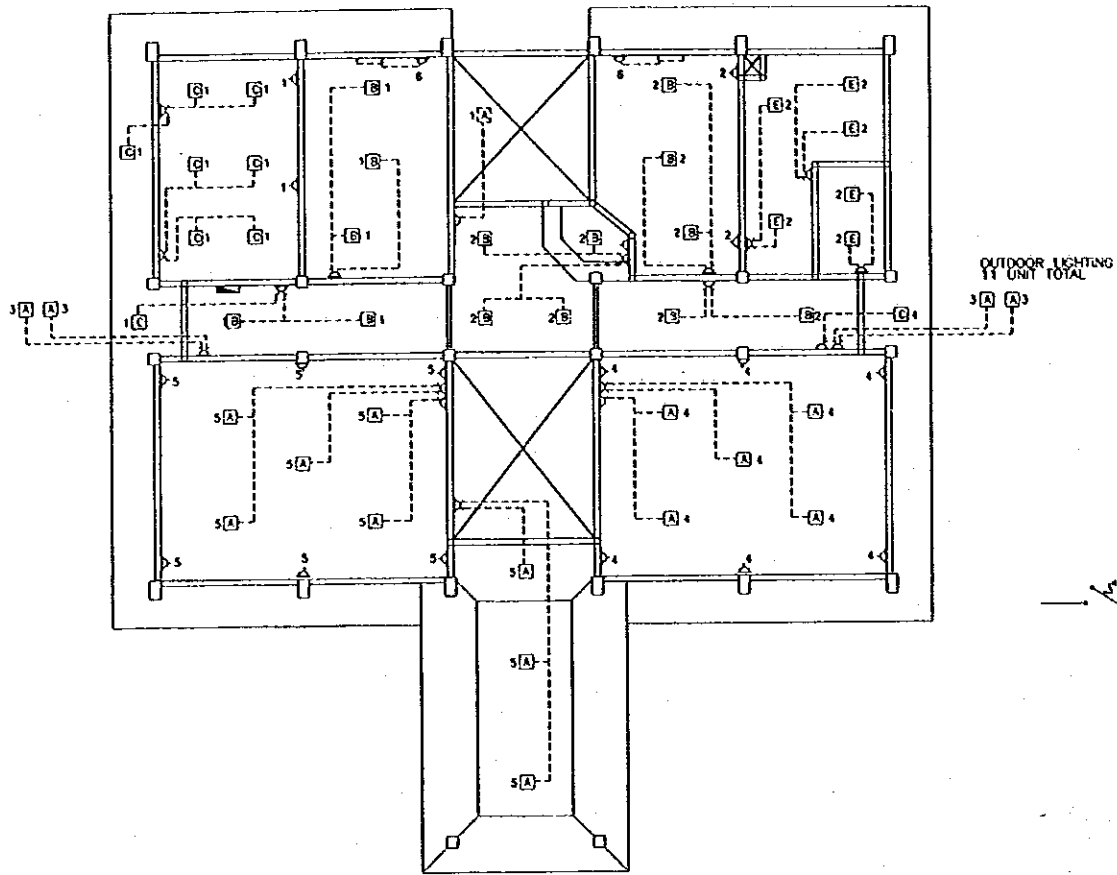
PROVINCE CENTRAL JAVA
DISTRICT SEMARANG CITY

JATIBARANG DAM CONSTRUCTION PROJECT
JATIBARANG DAM MANAGEMENT COMPLEX
GENERAL LIGHTING PLAN
ELECTRICAL WORKS

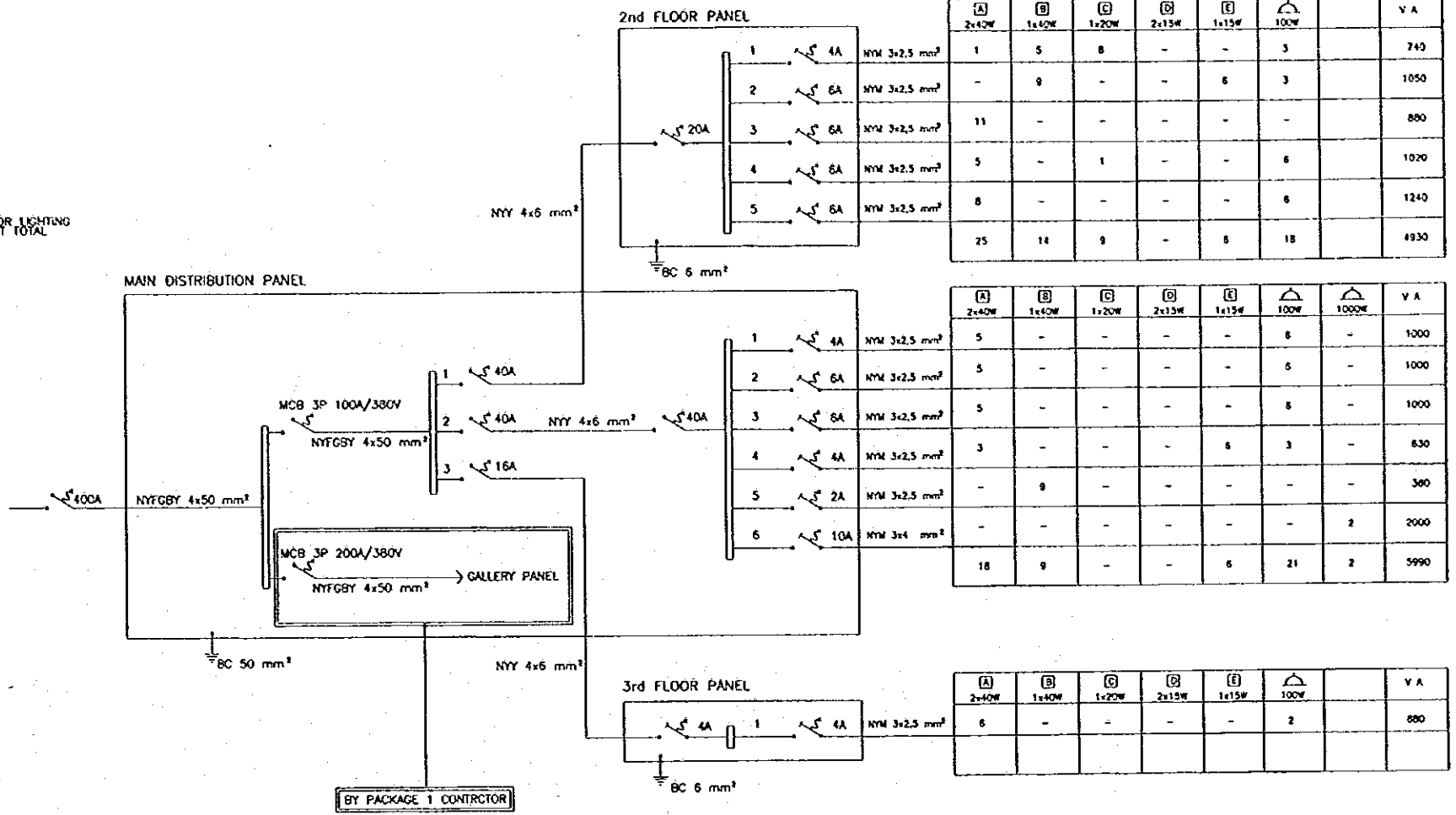
DRAWING NO. JD - P2 - MC - EL - 1
 SHEET NO. 58

DATE: _____ CONTRACT NO.: _____

APPROVED: _____ PROJECT MANAGER



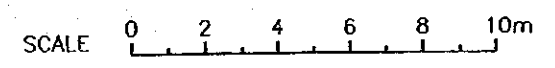
LIGHTING PLAN
SCALE A



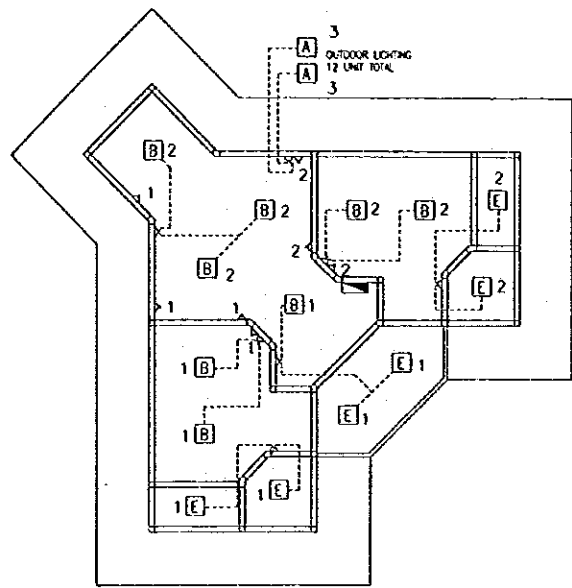
ONE LINE ELECTRICAL DIAGRAM

NOTE :

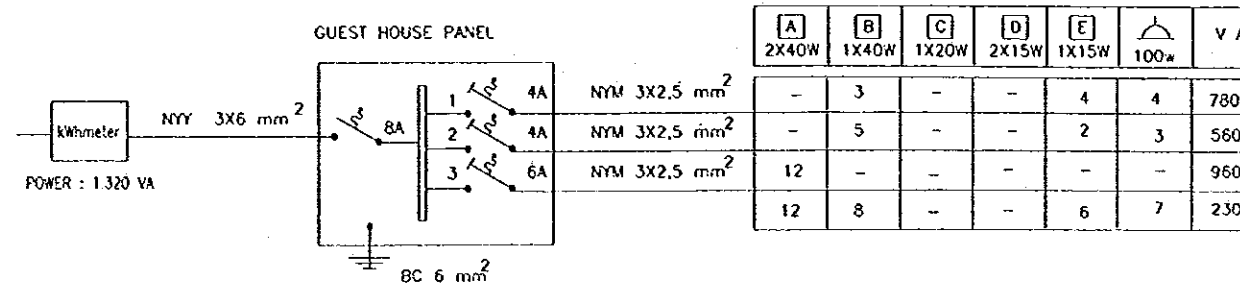
(A)	FL 2 X 40 W
(B)	FL 1 X 40 W
(C)	FL 1 X 20 W
(D)	FL 2 X 15 W
(E)	FL 1 X 15 W
Socket	SOCKET OUTLET 1 X 100 W
Panel	DISTRIBUTION PANEL



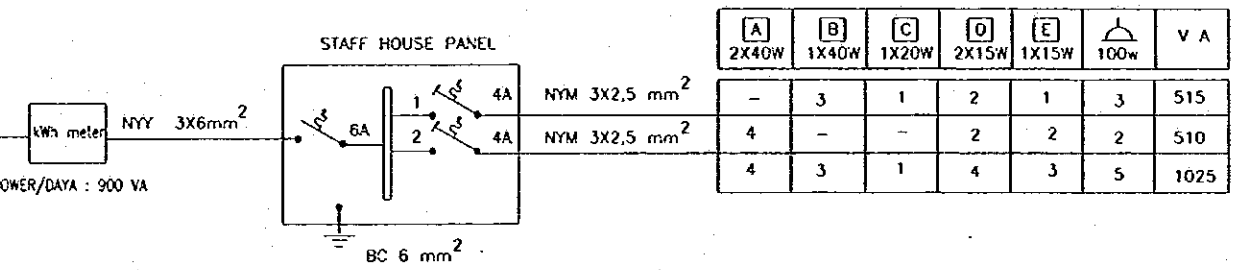
THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT JATUNSELUMA FLOOD CONTROL PROJECT COMPONENT : JATIBARANG DAM CONSTRUCTION JATIBARANG DAM MANAGEMENT COMPLEX LIGHTING PLAN AND ONE LINE ELECTRICAL DIAGRAM (1/2) ELECTRICAL WORKS					PROVINCE CENTRAL JAVA	
JAWA INTERNATIONAL COOPERATION AGENCY CTE (KORSENGKONG) CO., LTD. IN ASSOCIATION WITH PACIFIC CONSULTANTS INTERNATIONAL FLOOD INTERNATIONAL, INC.					PROJECT NAME FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT IN SEMARANG IN THE REPUBLIC OF INDONESIA OBJECT SEMARANG CITY DRAWING NO. JO-P2-MC-EI-2 SHEET NO. 59 DATE CONTRACT NO.	
DESIGNED: <i>[Signature]</i> CHECKED: <i>[Signature]</i> CHIEF OF PLANNING AND DESIGN PROJECT MANAGER						
NO.	DATE	REVISIONS	ORIGINATED	DESIGNED	APPROVED	



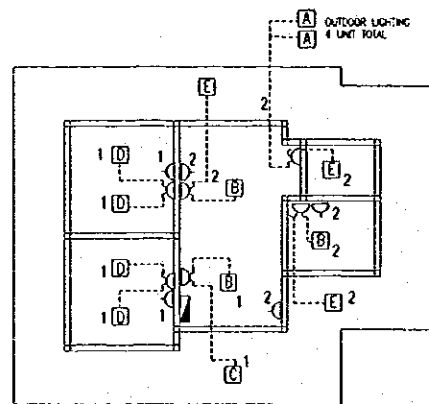
GUEST HOUSE



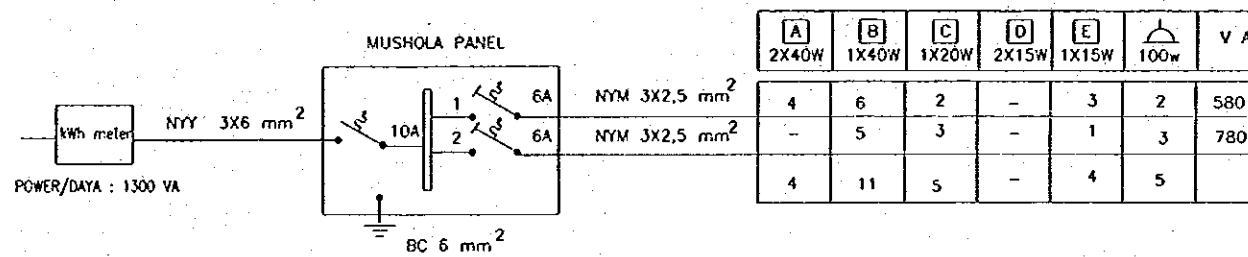
[A] 2X40W	[B] 1X40W	[C] 1X20W	[D] 2X15W	[E] 1X15W	100w	V A
-	3	-	-	4	4	780
-	5	-	-	2	3	560
12	-	-	-	-	-	960
12	8	-	-	6	7	2300



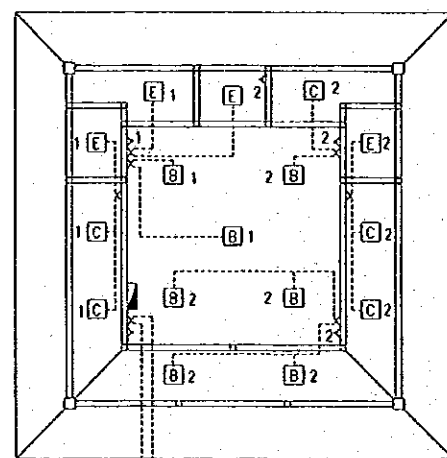
[A] 2X40W	[B] 1X40W	[C] 1X20W	[D] 2X15W	[E] 1X15W	100w	V A
-	3	1	2	1	3	515
4	-	-	2	2	2	510
4	3	1	4	3	5	1025



STAFF HOUSE



[A] 2X40W	[B] 1X40W	[C] 1X20W	[D] 2X15W	[E] 1X15W	100w	V A
4	6	2	-	3	2	580
-	5	3	-	1	3	780
4	11	5	-	4	5	



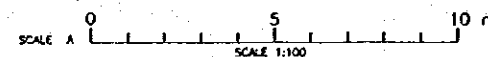
MUSHOLA

LIGHTING PLAN
SCALE 1:100

ONE LINE ELECTRICAL DIAGRAM
SCALE 1:100

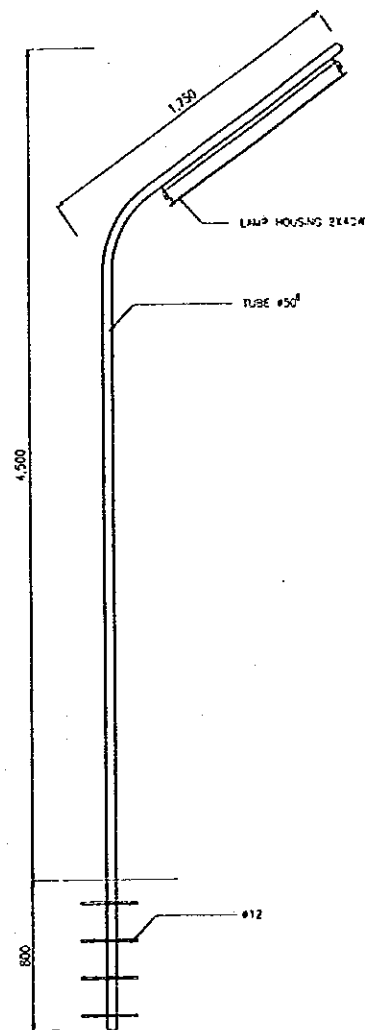
NOTE :

- [A] FL. 2 X 40W
- [B] FL. 1 X 40W
- [C] FL. 1 X 20W
- [D] FL. 2 X 15W
- [E] FL. 1 X 15W
- Socket Outlet 1 X 100W



NO.	DATE	REVISIONS	ORIGINATED	DESIGNED	APPROVED

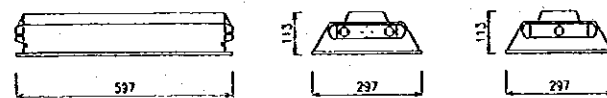
THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT		PROVINCE CENTRAL JAVA
JRATUNSELUNA FLOOD CONTROL PROJECT COMPONENT : JATIBARANG DAM CONSTRUCTION JATIBARANG DAM MANAGEMENT COMPLEX LIGHTING PLAN & ONE LINE ELECTRICAL DIAGRAM ELECTRICAL WORKS (2/2)		PROJECT NAME FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT IN SEMARANG IN THE REPUBLIC OF INDONESIA
JAPAN INTERNATIONAL COOPERATION AGENCY C/I ENGINEERING CO., LTD. IN ASSOCIATION WITH PACIFIC CONSULTANTS INTERNATIONAL AND PANCS INTERNATIONAL INC.		DISTRICT SEMARANG CITY
DESIGNED CHECKED APPROVED CHIEF OF PLANNING AND DESIGN PROJECT MANAGER		DRAWING NO. JD-P2-MC-EF-3 SHEET NO. 60 DATE CONTRACT NO.



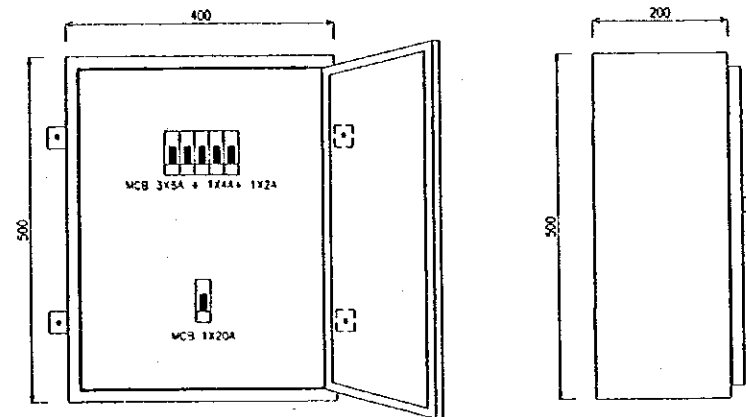
OUTDOOR FREESTANDING LIGHTING
NTS



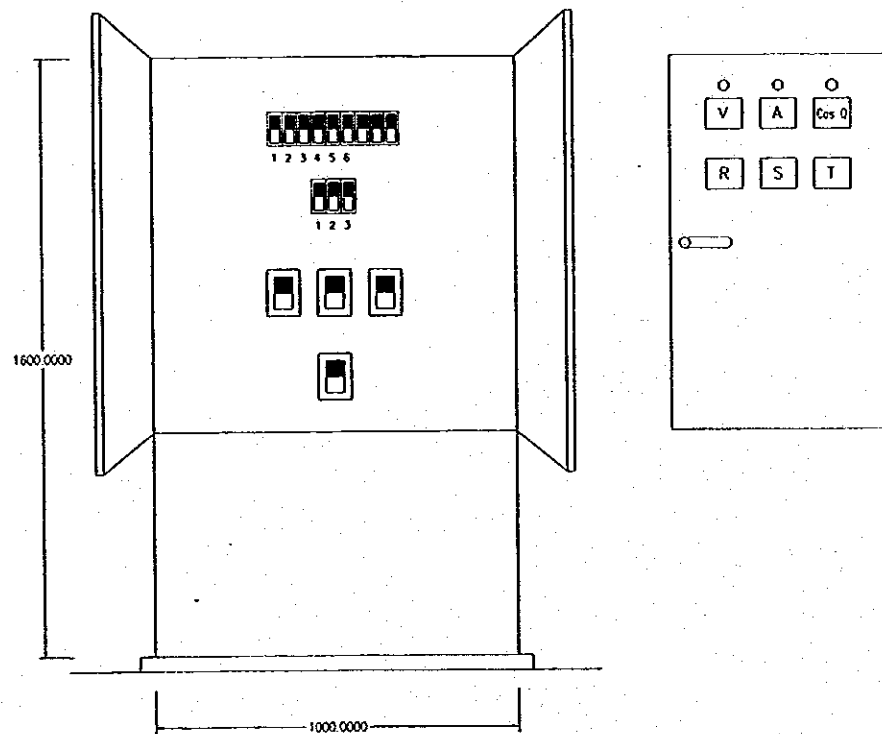
2X40W & 1X40W LAMP HOUSING
NTS



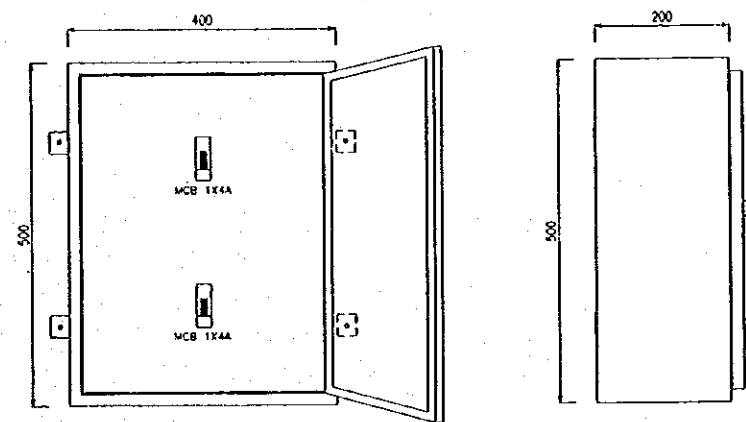
2X20W & 1X20W LAMP HOUSING
NTS



LIGHTING AND POWER PANEL DETAIL 2nd FLOOR
NTS



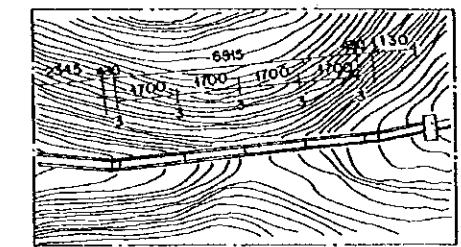
MAIN DISTRIBUTION PANEL
SCALE A



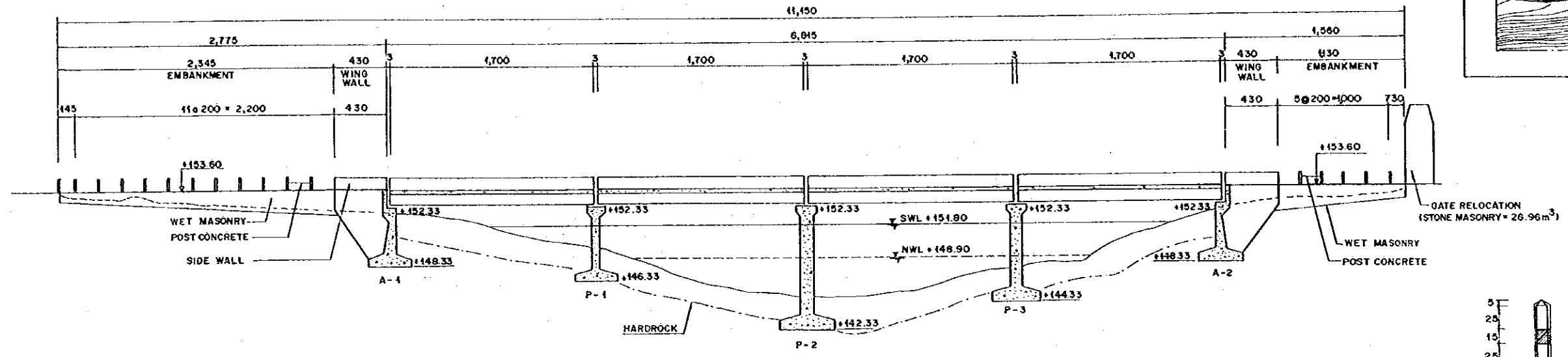
LIGHTING AND POWER PANEL DETAIL 3rd FLOOR
NTS

NO.	DATE	REVISIONS	ORIGINATED	DESIGNED	APPROVED

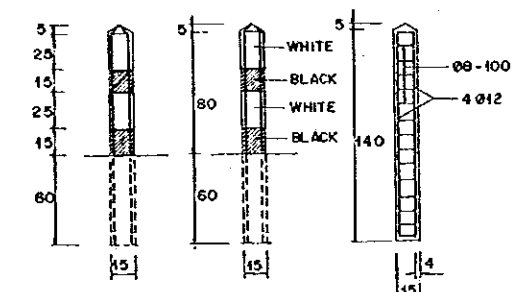
	THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT		PROVINCE CENTRAL JAVA
	IRATUNSELUNA FLOOD CONTROL PROJECT COMPONENT : JATIBARANG DAM CONSTRUCTION JATIBARANG DAM MANAGEMENT COMPLEX LAMPS AND POWER PANEL DETAIL ELECTRICAL WORKS		PROJECT NAME FLOOD CONTROL, DAM MANAGEMENT AND WATER RESOURCES DEVELOPMENT IN SEMARANG IN THE REPUBLIC OF INDONESIA
	JAPAN INTERNATIONAL COOPERATION AGENCY CTE ENGINEERING CO. LTD. IN ASSOCIATION WITH PACIFIC CONSULTANTS INTERNATIONAL AND PACIFIC INTERNATIONAL INC.		DISTRICT SEMARANG CITY
	DESIGNED CHECKED APPROVED CHIEF OF PLANNING AND DESIGN PROJECT MANAGER		DRAWING NO. JD-P2-MC-EI-4 SHEET NO. 61 DATE CONTRACT NO.



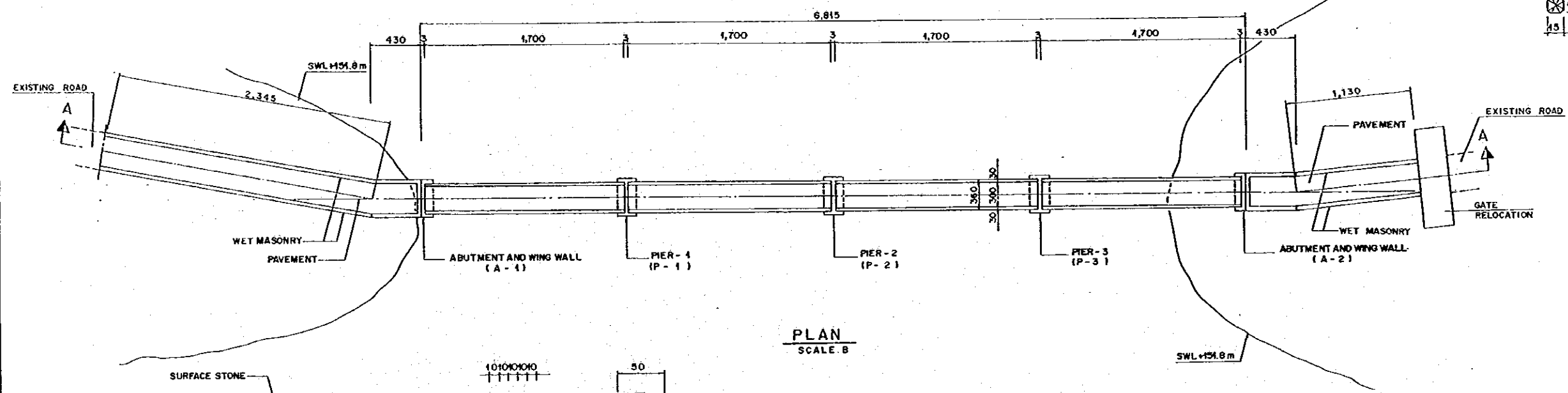
KEY MAP



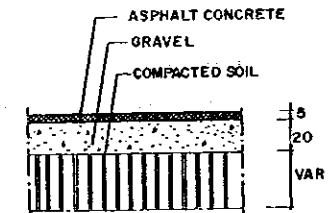
SECTION A - A
SCALE B



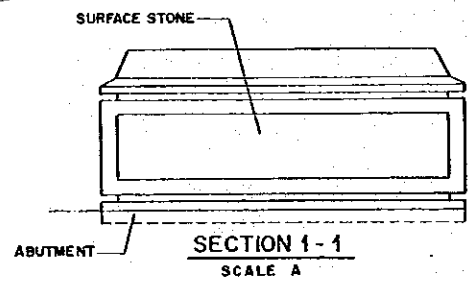
DETAIL OF POST CONCRETE
SCALE A



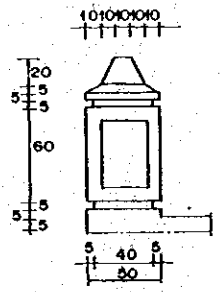
PLAN
SCALE B



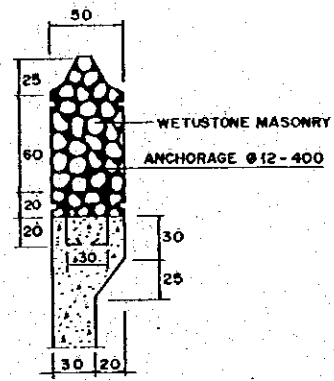
DETAIL OF PAVEMENT
SCALE A



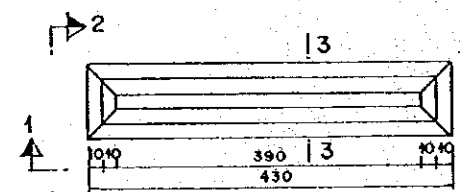
SECTION 1-1
SCALE A



SECTION 2-2
SCALE A



SECTION 3-3
SCALE A

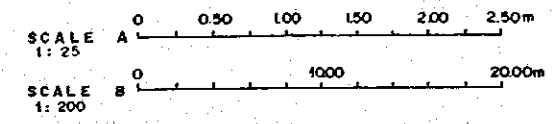


PLAN
SCALE A

DETAIL OF SIDE WALL

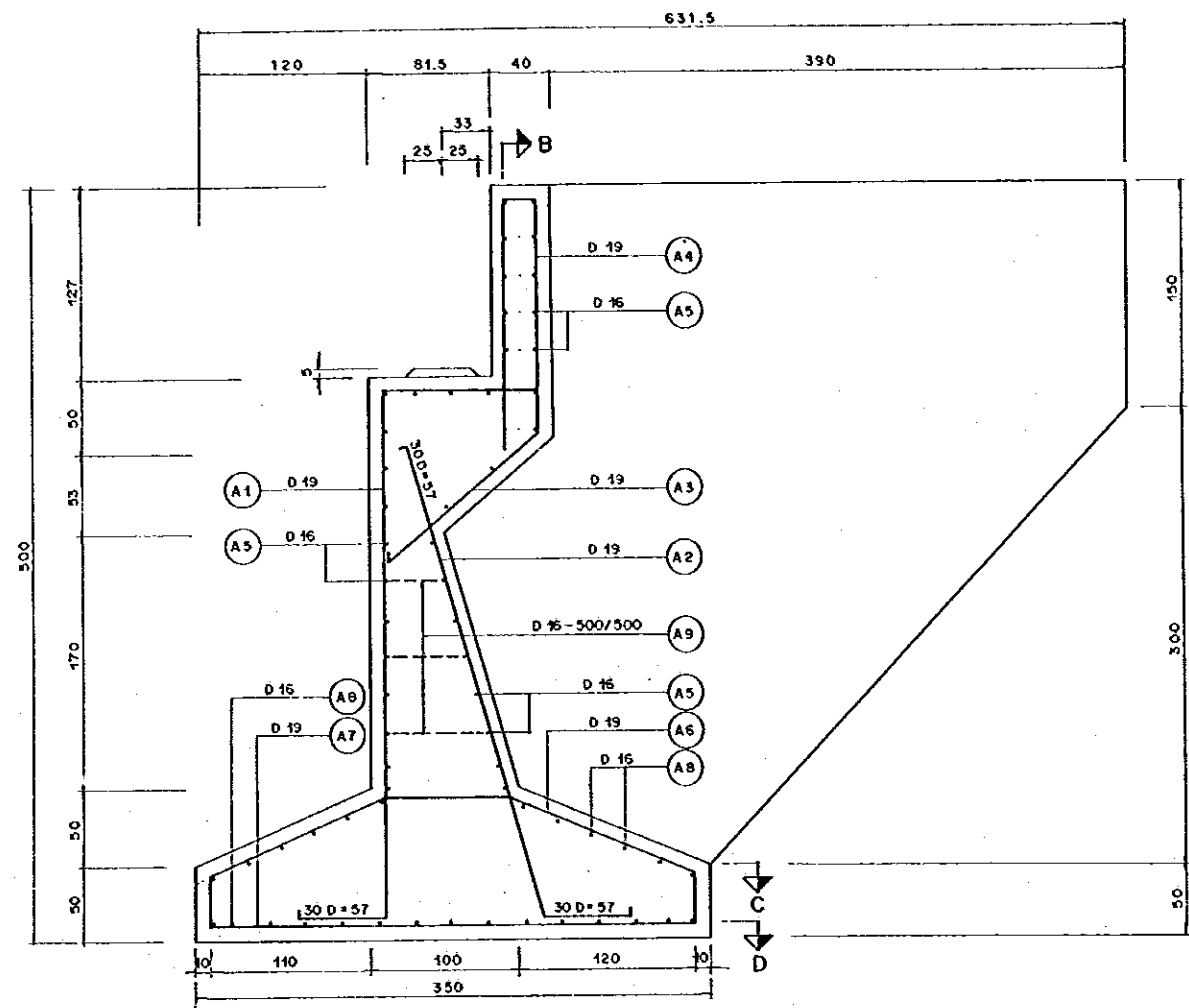
NOTE

- 1 UNIT IN CENTIMETER
- 2 CONCRETE QUALITY K.225
- 3 STEEL QUALITY U.24
- 4 CONCRETE COVER MINIMUM 40mm
- 5 MAXIMUM AGGREGATE 40mm

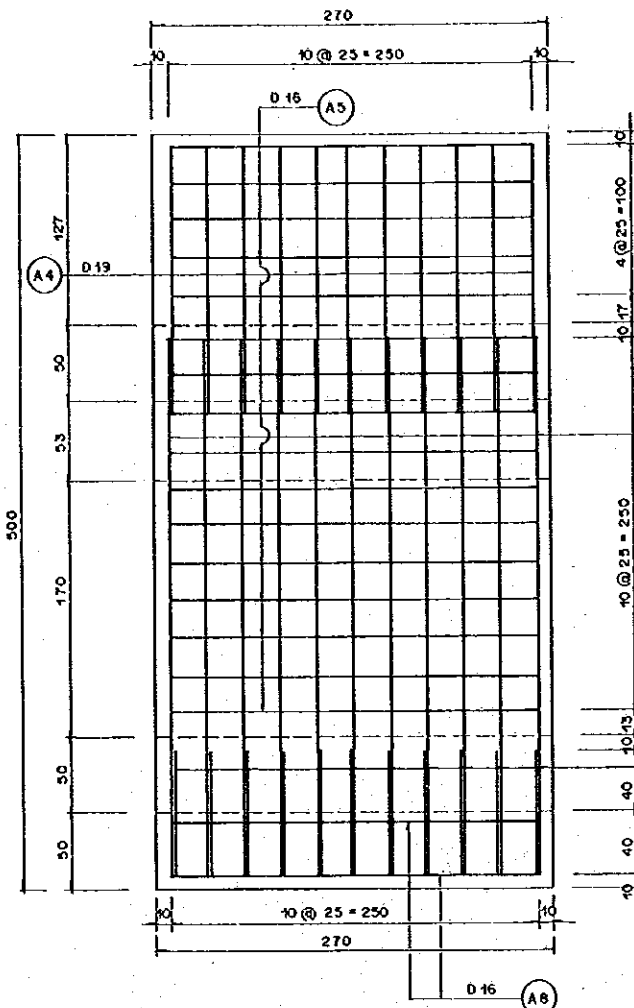


THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT		PROVINCE CENTRAL JAVA
JRATUNSELUNA FLOOD CONTROL PROJECT COMPONENT : JATIBARANG DAM CONSTRUCTION APPROACH BRIDGE TO GOA KREO CAVE PLAN AND LONGITUDINAL SECTION OF BRIDGE DETAIL OF SIDE WALL AND POST CONCRETE (1/11)		PROJECT NAME FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT IN SEMARANG IN THE REPUBLIC OF INDONESIA
SAPPY INTERNATIONAL CONSULTING AGENCY CEE ENGINEERING CO. LTD. - IN ASSOCIATION WITH PACIFIC CONSULTANTS INTERNATIONAL AND TASECO ENGINEERING INC.		DISTRICT SEMARANG CITY
CHIEF OF PLANNING AND DESIGN PROJECT MANAGER		DRAWING NO. JD-P2-AB-P1-1 SHEET NO. 62
DESIGNED CHECKED	DATE	CONTRACT NO.

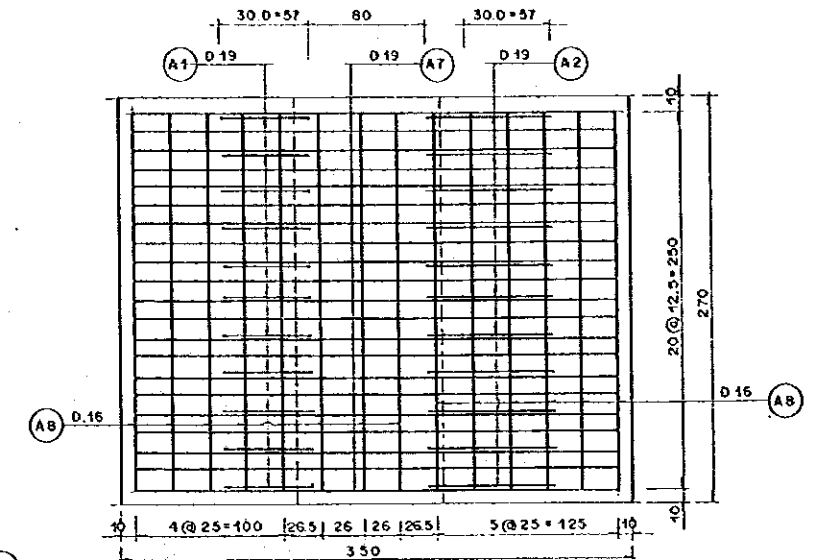
NO.	DATE	REVISIONS	ORIGINATOR	DESIGNED	APPROVED



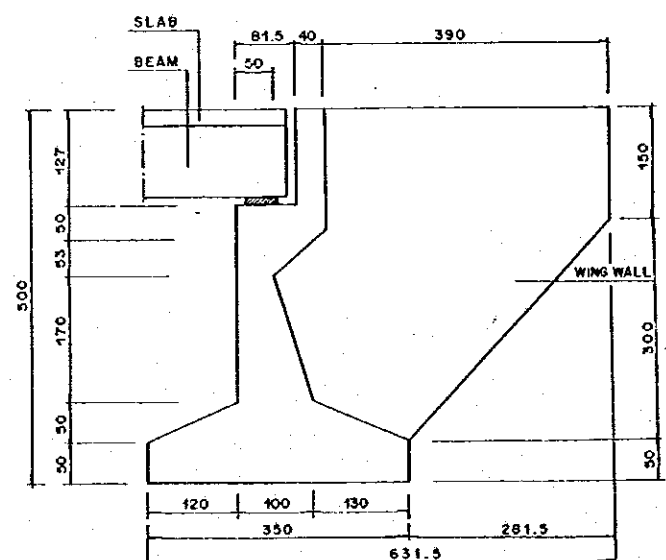
SECTION A-A
SCALE B



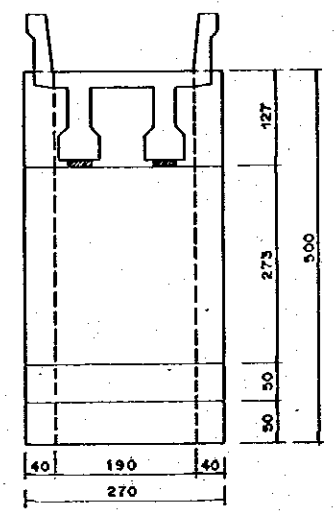
SECTION B-B
SCALE B



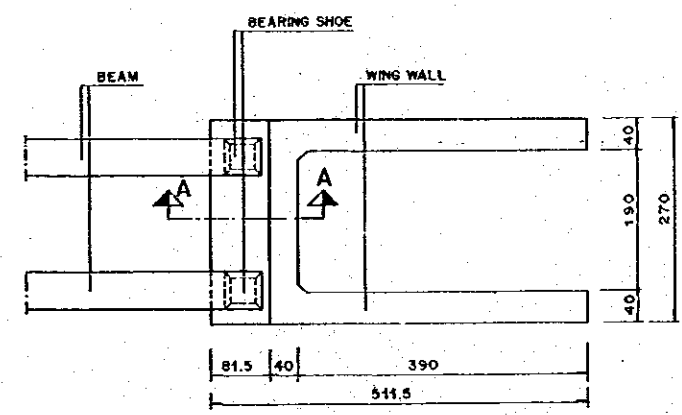
SECTION C-C
SCALE B



LONGITUDINAL SECTION OF ABUTMENT
SCALE A

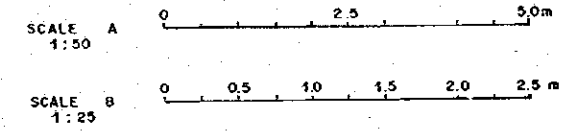


CROSS SECTION OF ABUTMENT
SCALE A



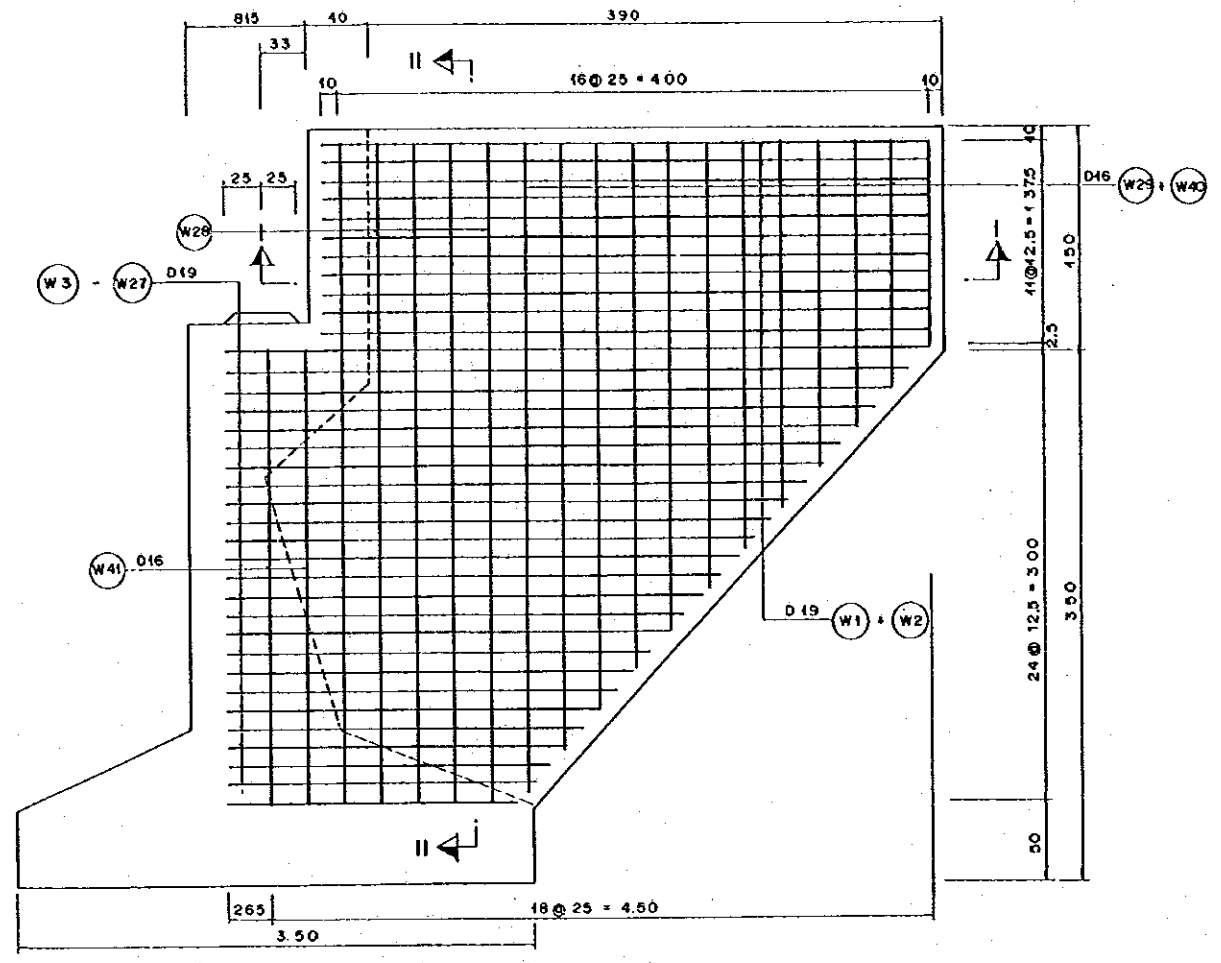
PLAN ABUTMENT AND WING
SCALE A

- NOTE:
1. UNIT IN CENTIMETER EXCEPT REINFORCING BAR.
 2. CONCRETE QUALITY K.225
 3. STEEL QUALITY U.24
 4. CONCRETE COVER MINIMUM 40mm
 5. MAXIMUM AGGREGATE 40 mm.

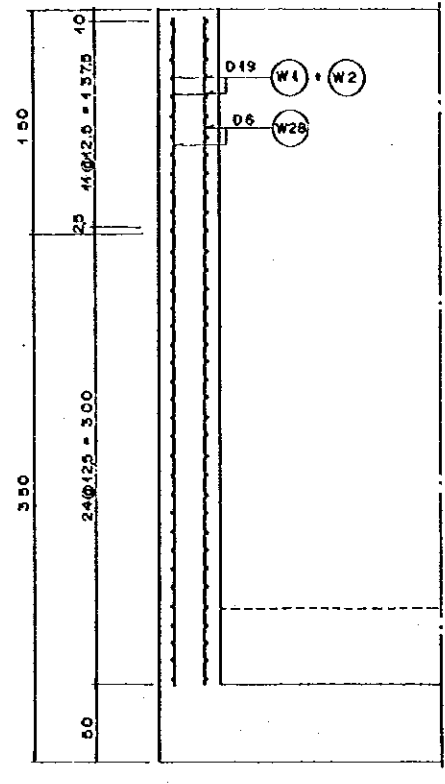


NO.	DATE	REVISIONS	ORIGINATED	ISSUED	APPROVED

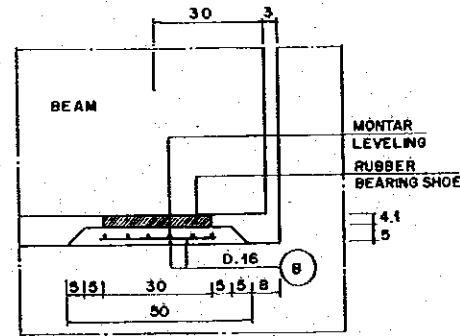
THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT		PROVINCE CENTRAL JAVA
JATUNRELUHA FLOOD CONTROL PROJECT COMPONENT: JATIBARANG DAM CONSTRUCTION APPROACH BRIDGE TO GOA KREDO CAVE ABUTMENT		PROJECT NAME FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT IN SEMARANG IN THE REPUBLIC OF INDONESIA
SECTIONS AND REINFORCING BAR ARRANGEMENT (2/15)		DISTRICT SEMARANG CITY
LAFAR INTERNATIONAL COORDINATOR AGENCY CIL ENGINEERING CO. LTD. IN ASSOCIATION WITH PACIFIC CONSULTANTS HYDROLOGICAL AND PACO INTERNATIONAL INC.		DRAWING NO. JD-P2-AB-S1-1 SHEET NO. 63
DESIGNED CHECKED DATE	APPROVED CHIEF OF PLANNING AND DESIGN PROJECT MANAGER	CONTRACT NO.



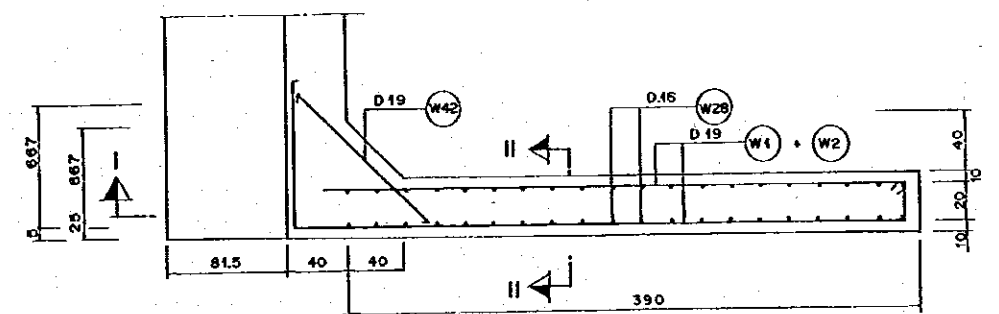
SIDE VIEW OF WING WALL
SCALE A



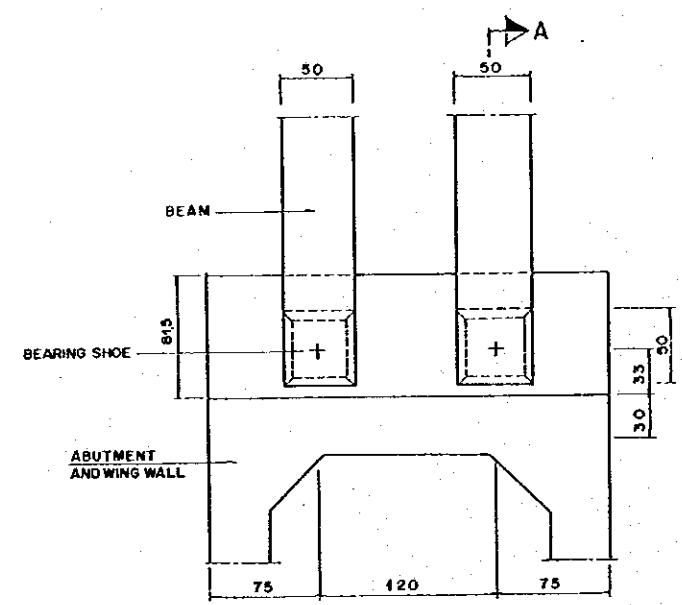
SECTION II-II
SCALE A



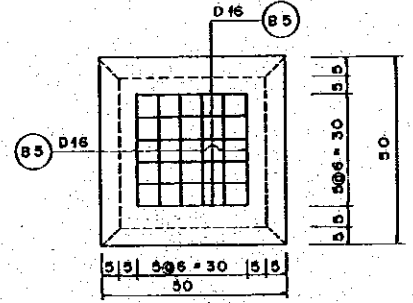
SECTION A-A
SCALE B



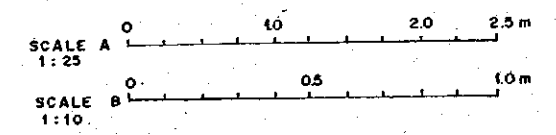
SECTION I-I
SCALE A



PLAN OF BEARING SHOE
SCALE A

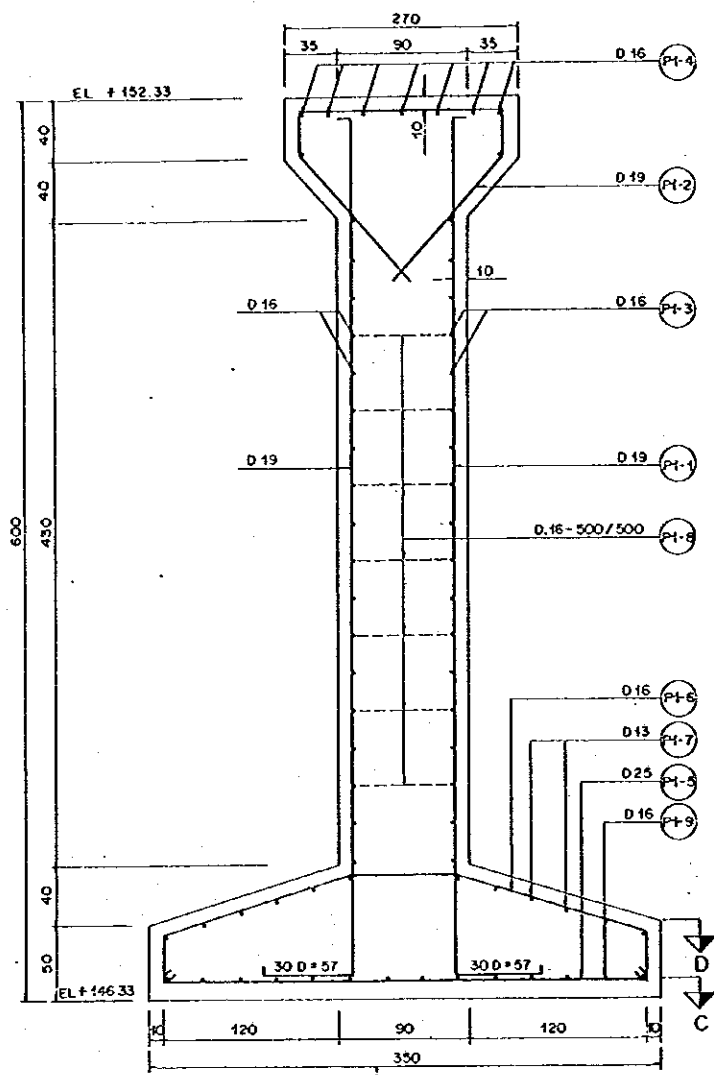


REINFORCEMENT OF BEARING SHOE
SCALE B

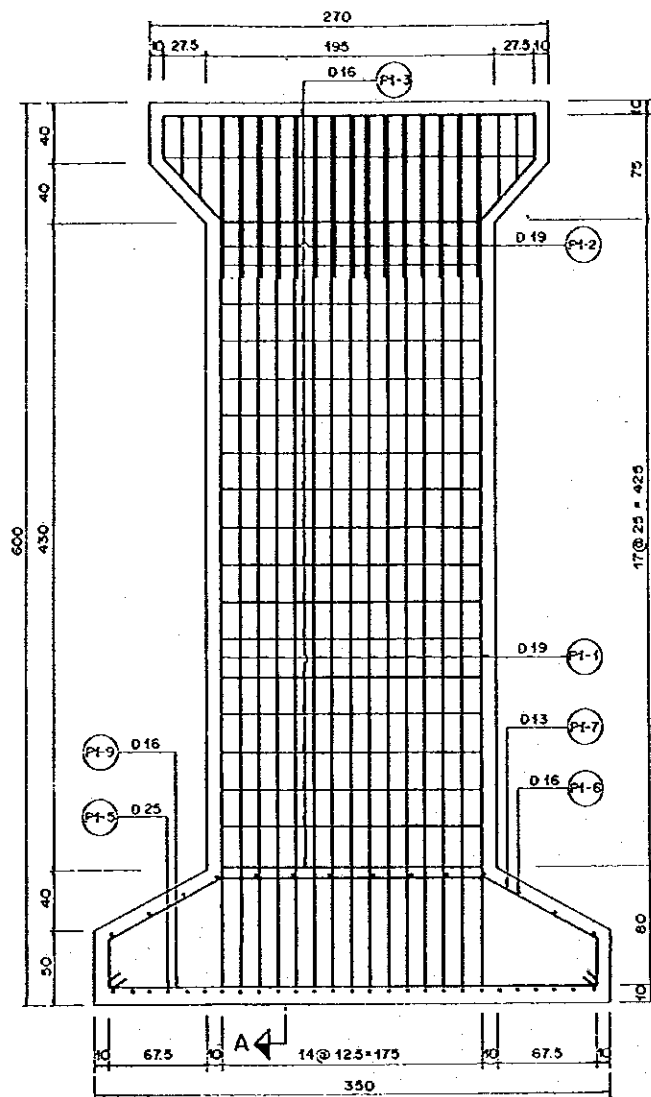


NO.	DATE	REVISIONS	ORIGINATED	DESIGNED	APPROVED

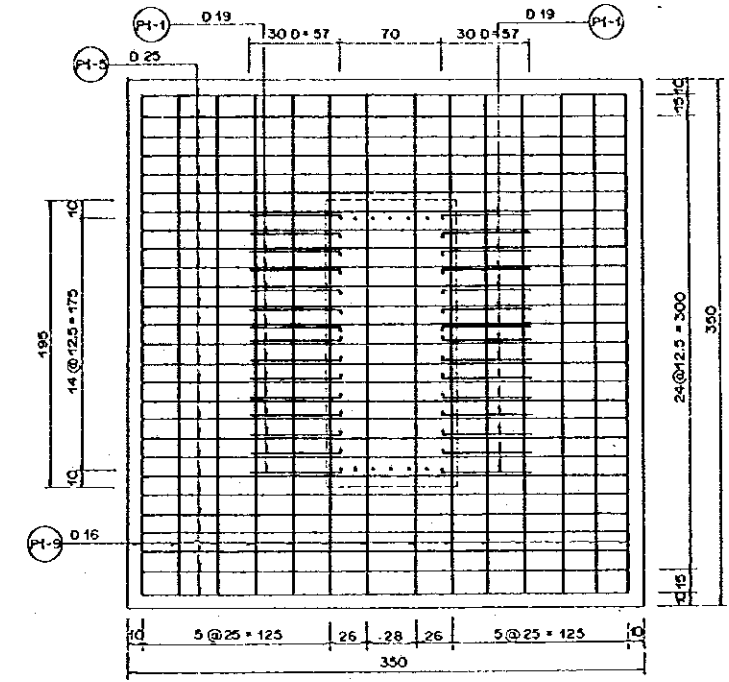
THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT		PROVINCE CENTRAL JAVA
BRATUNINGRA FLOOD CONTROL PROJECT COMPONENT : JATIBARANG DAM CONSTRUCTION APPROACH BRIDGE TO GOA KREO CAVE WING WALL AND BEARING SHOE REINFORCING BAR ARRANGEMENT (13/11)		PROJECT NAME FLOOD CONTROL, DAM, BRIDGE AND WATER RESOURCES DEVELOPMENT IN SEMARANG BY THE REPUBLIC OF INDONESIA DISTRICT SEMARANG CITY DRAWING NO. JD-P2-AB-S1-2 SHEET NO. 64
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA) PACIFIC CONSULTANTS INTERNATIONAL, INC. (PCI)	DESIGNED CHECKED APPROVED	DATE CONTRACT NO.
APPROVED CENTRAL JAWA AND DISKIN PROJECT MANAGER	DATE CONTRACT NO.	DATE CONTRACT NO.



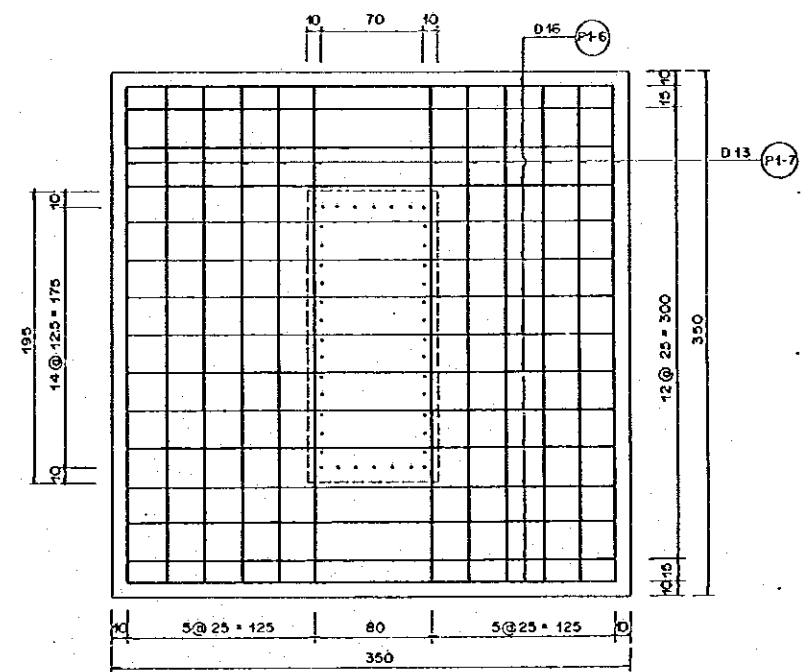
SECTION A-A
SCALE B



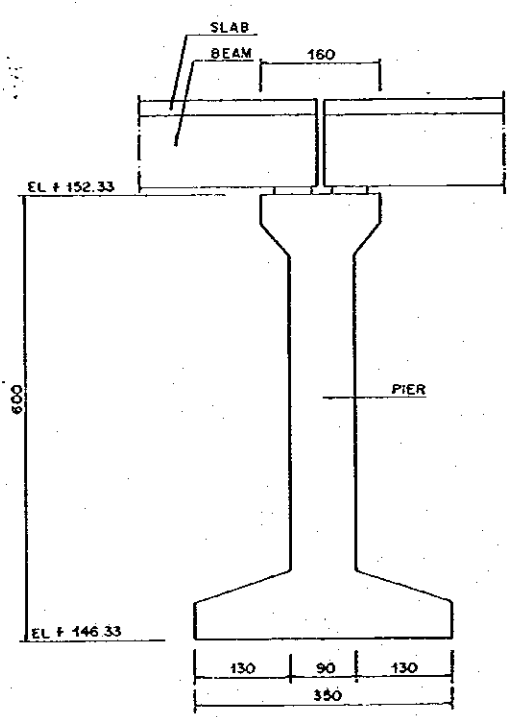
SECTION B-B
SCALE B



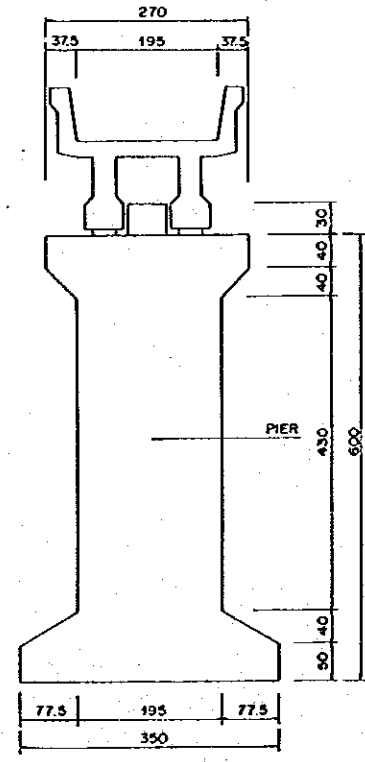
SECTION C-C
SCALE B



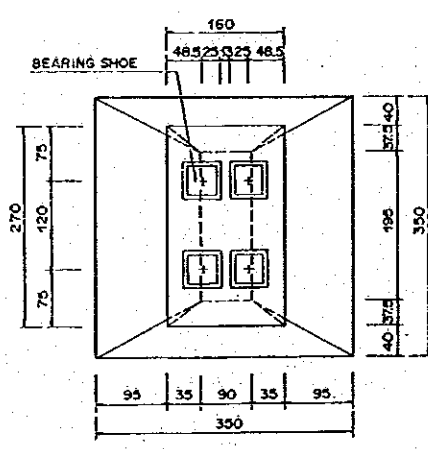
SECTION D-D
SCALE B



LONGITUDINAL SECTION OF PIER - 1
SCALE A

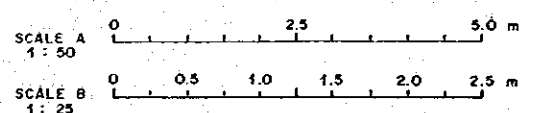


CROSS SECTION OF PIER - 1
SCALE A



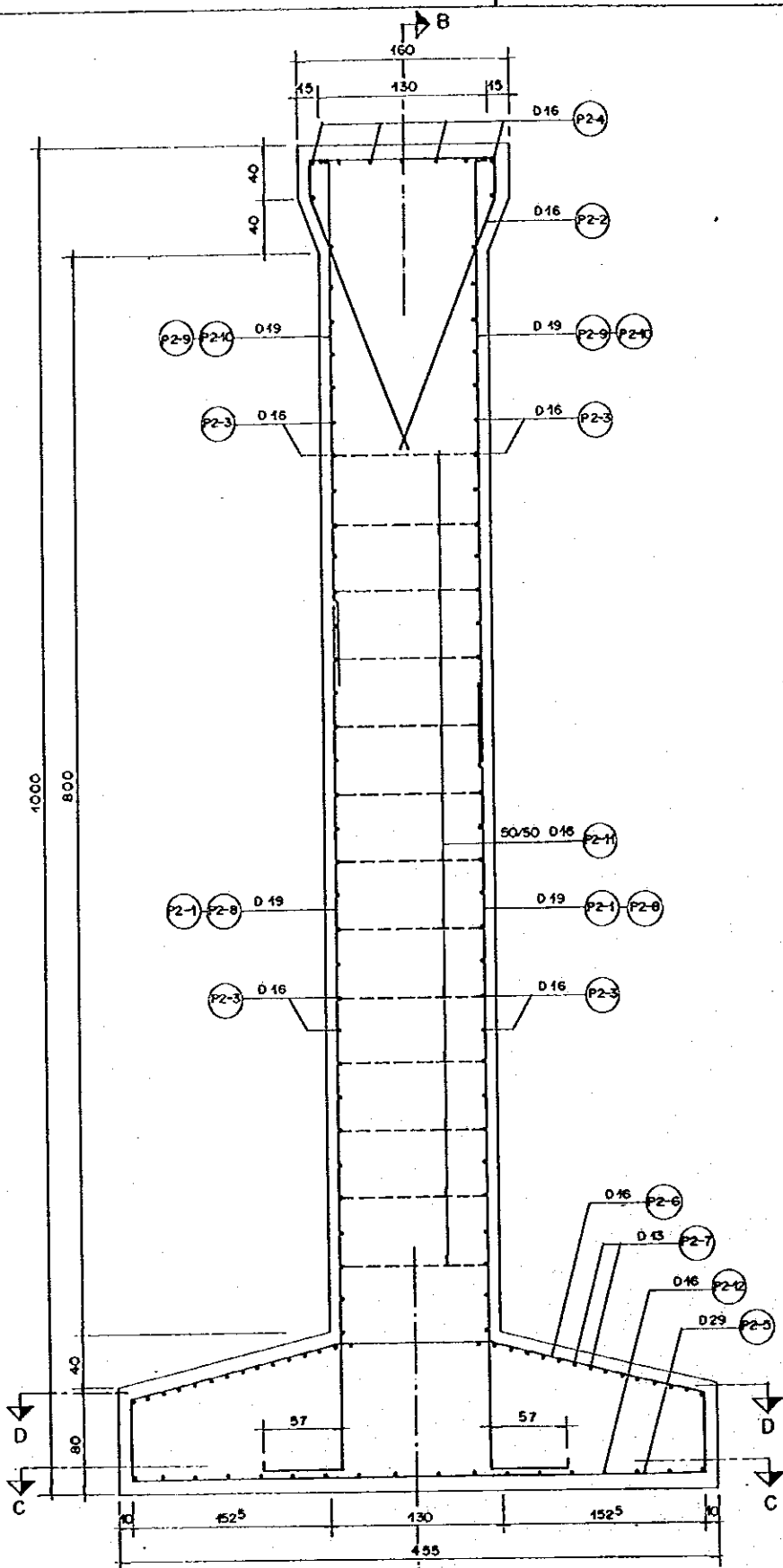
PLAN OF PIER - 1
SCALE A

- NOTE :
1. UNIT IN CENTIMETER EXCEPT REINFORCING BAR
 2. CONCRETE QUALITY K. 225
 3. STEEL QUALITY U. 24.
 4. CONCRETE COVER MINIMUM 100 mm
 5. MAXIMUM AGREGGATE 40 mm

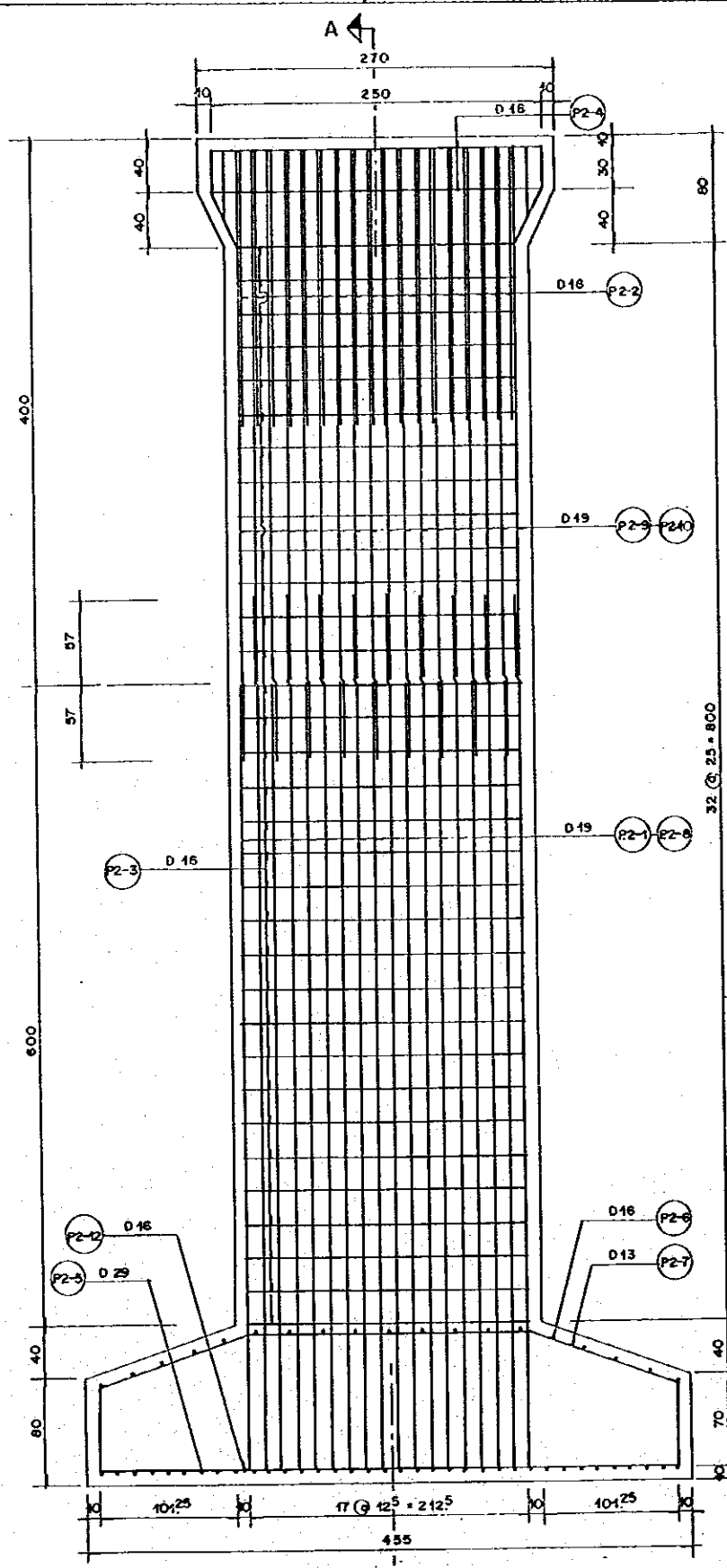


NO.	DATE	REVISIONS	ORIGINATED	DESIGNED	APPROVED

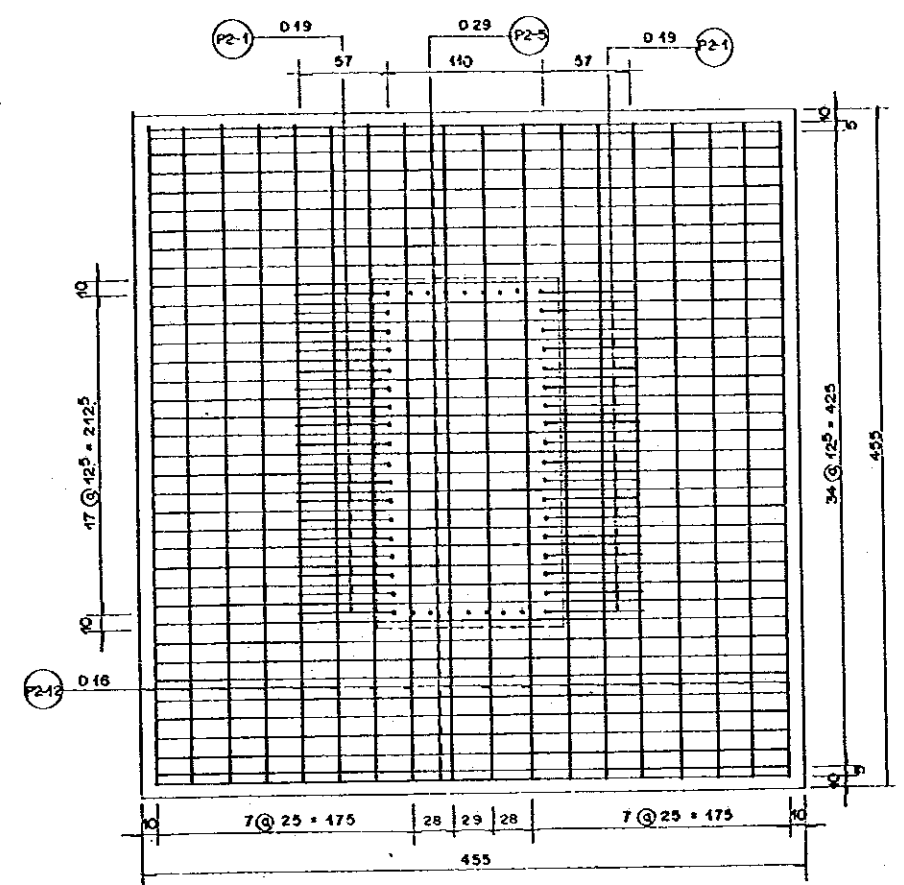
THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT		PROVINCE CENTRAL JAVA
JATIBARANG FLOOD CONTROL PROJECT COMPONENT: JATIBARANG DAM CONSTRUCTION APPROACH BRIDGE TO GOA KRED CAVE PIER - 1 (4/11)		PROJECT NAME FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT IN SEMARANG IN THE REPUBLIC OF INDONESIA DISTRICT SEMARANG CITY
SECTIONS AND REINFORCING BAR ARRANGEMENT		DRAWING NO. JO-P2-AB-S1-3 SHEET NO. 65
LAPAN INTERNATIONAL COOPERATION AGENCY CIL (CONSULTING) CO., LTD. IN ASSOCIATION WITH PACIFIC CONSULTANTS INTERNATIONAL AND TAIKO INTERNATIONAL INC.	DESIGNED CHECKED DATE	CONTRACT NO.



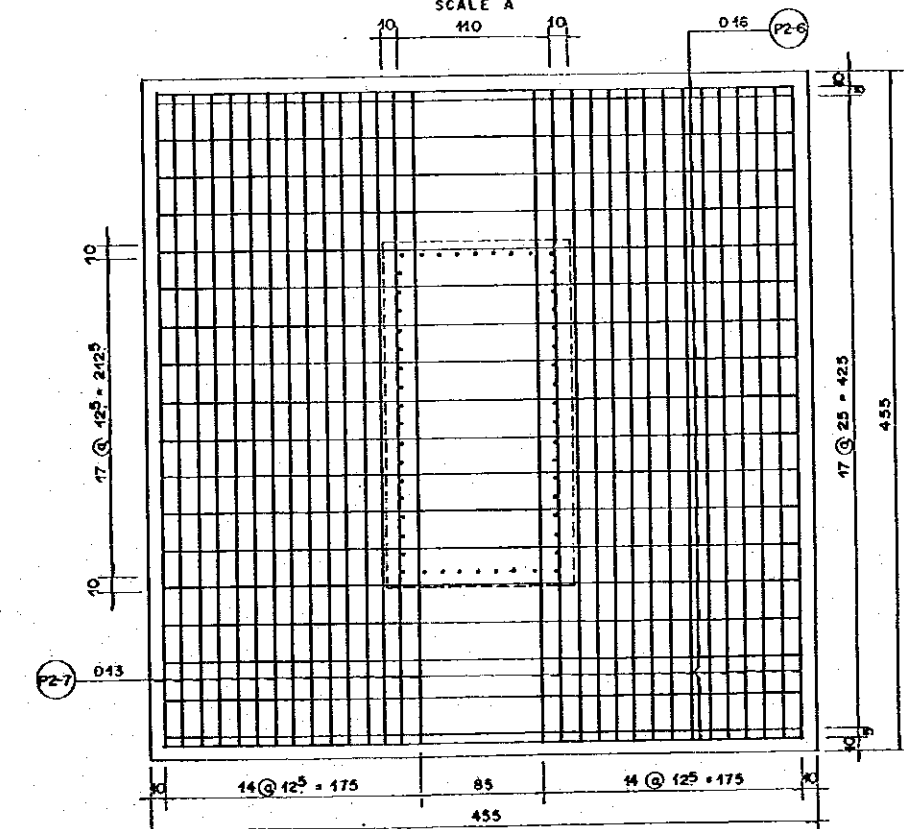
SECTION A-A (PIER-2)
SCALE A



SECTION B-B (PIER-2)
SCALE A

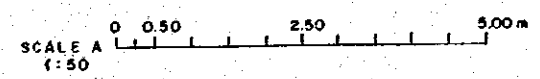


SECTION C-C
SCALE A



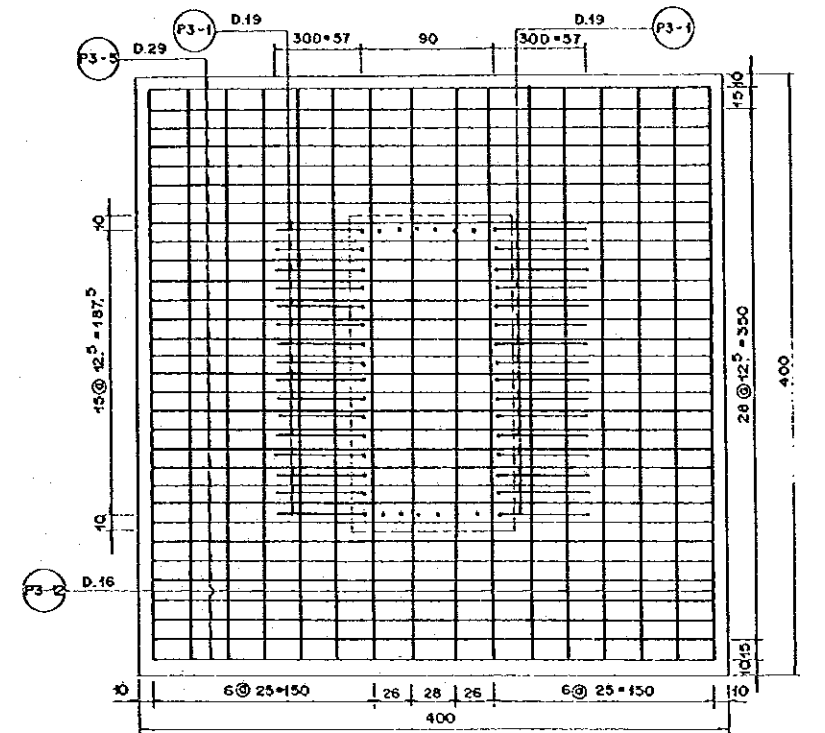
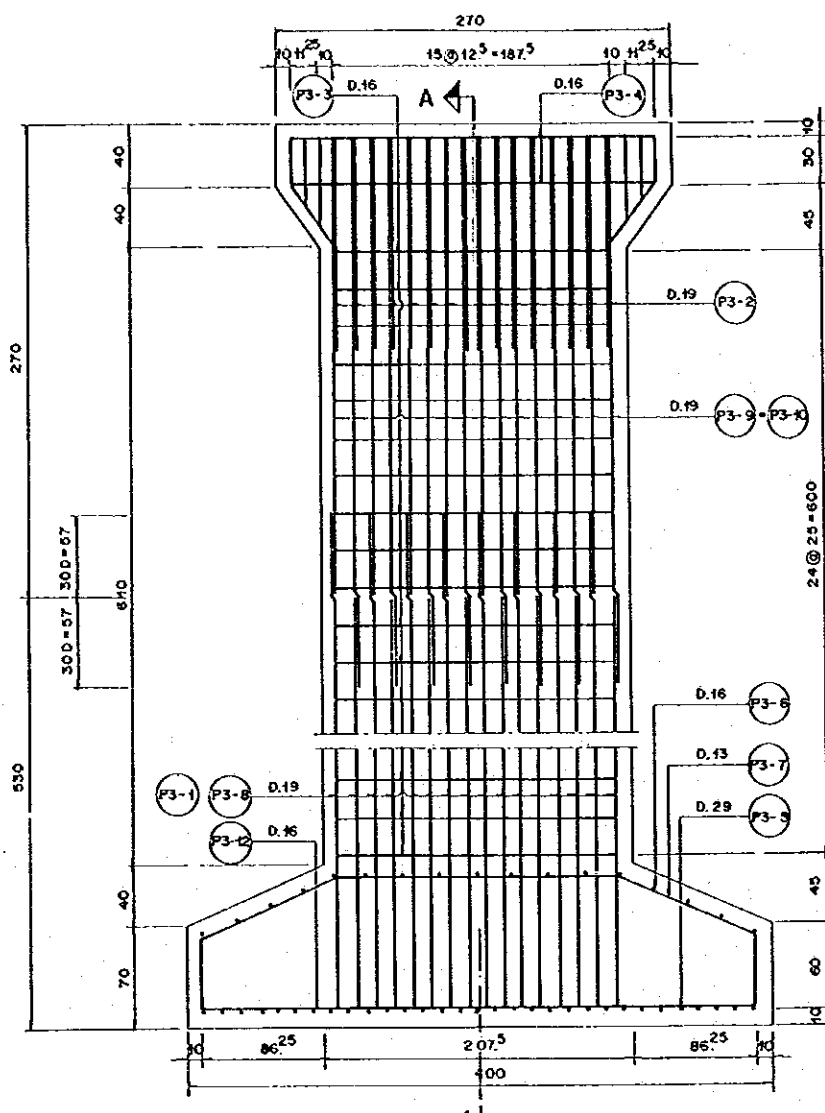
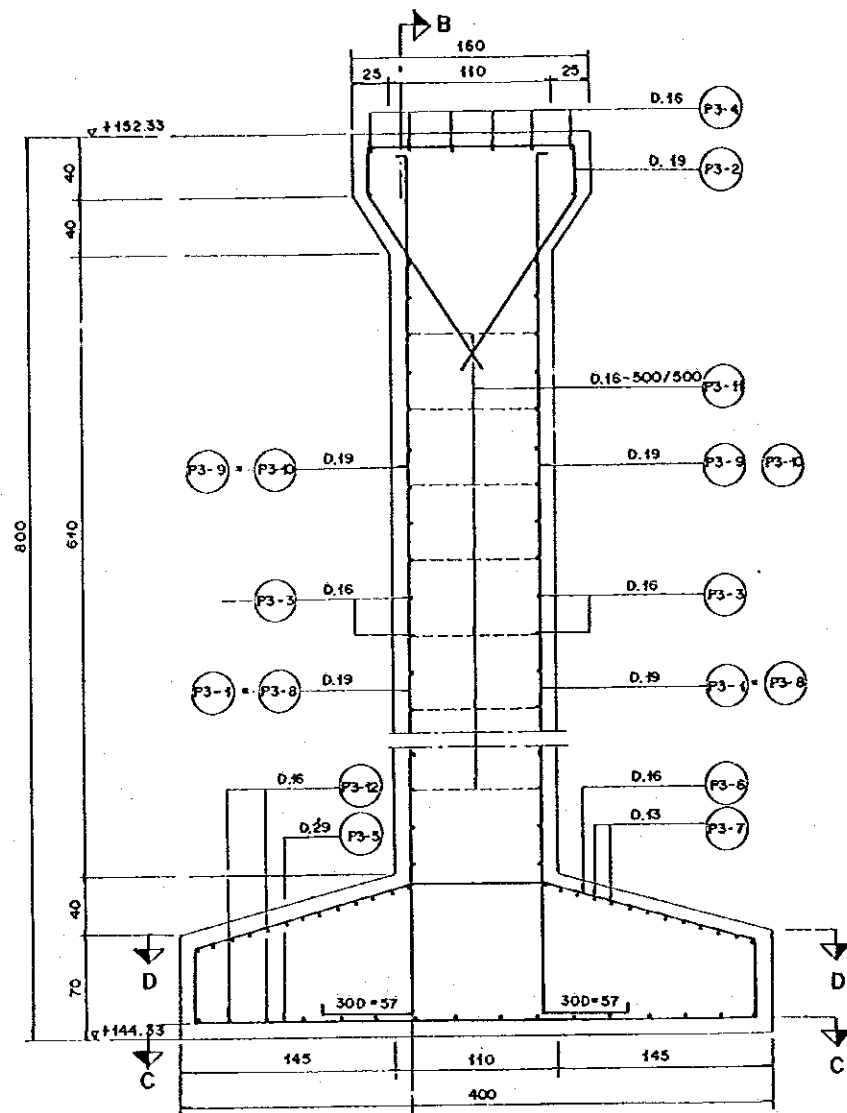
SECTION D-D
SCALE A

- NOTE:
1. UNIT IN CENTIMETER EXCEPT REINFORCING BAR
 2. CONCRETE QUALITY K 225
 3. STEEL QUALITY U 24
 4. CONCRETE COVER MINIMUM 100 mm
 5. MAXIMUM AGREGATE 40 mm

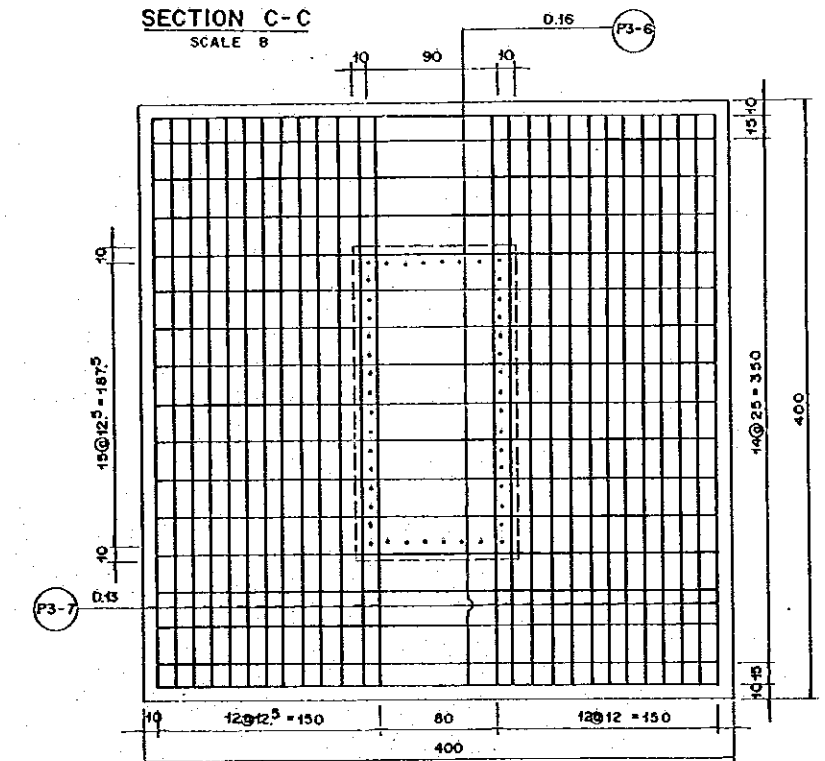


NO.	DATE	REVISIONS	ORIGINATED	DESIGNED	APPROVED

THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT		PROVINCE CENTRAL JAWA
IRATUNSELUNA FLOOD CONTROL PROJECT COMPONENT : JATEBARANG DAM CONSTRUCTION APPROACH BRIDGE TO GOA KREO CAVE PIER - 2 REINFORCING BAR ARRANGEMENT (15/11)		PROJECT NAME FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT IN SEMARANG IN THE REPUBLIC OF INDONESIA
JAPAN INTERNATIONAL COOPERATION AGENCY CCI ENGINEERING CO., LTD. IN ASSOCIATION WITH PACIFIC CONSULTANTS INTERNATIONAL, INC. PARCO INTERNATIONAL, INC.		DIRECTOR SEMARANG CITY DRAWING NO. JO-P2-AB-S1-4 SHEET NO. 66
CHECKED DATE		CONTRACT NO.

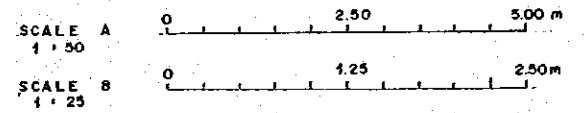


SECTION C-C
SCALE B



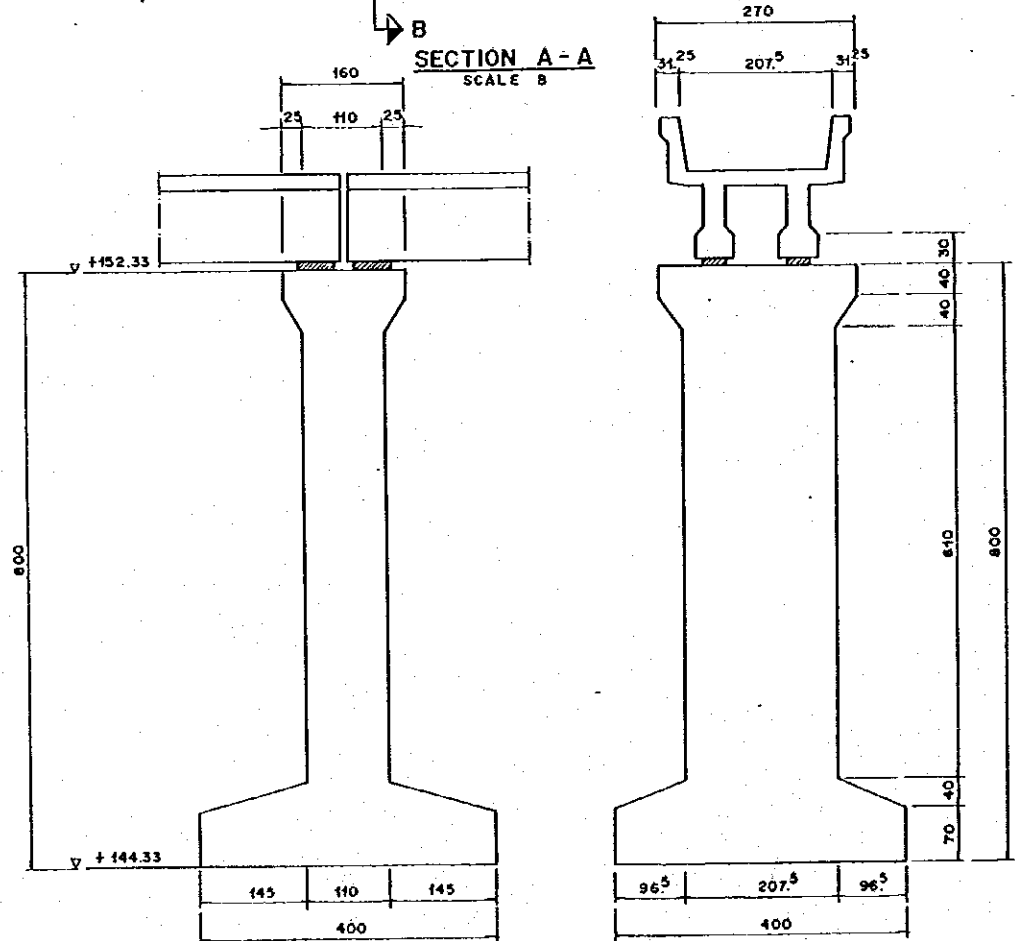
SECTION D-D
SCALE B

- NOTE:
1. UNIT IN CENTIMETER EXCEPT REINFORCING BAR
 2. CONCRETE QUALITY K. 225
 3. STEEL QUALITY U. 24
 4. CONCRETE COVER MINIMUM 100 mm
 5. MAXIMUM AGREGATE 40 mm



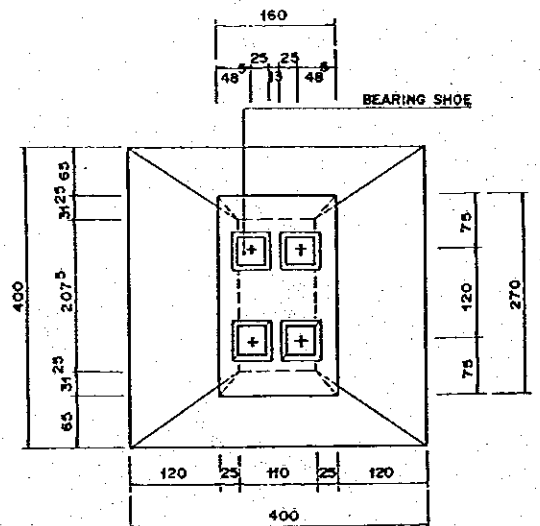
SECTION A-A
SCALE B

SECTION B-B
SCALE B



LONGITUDINAL SECTION OF PIER-3
SCALE A

CROSS SECTION OF PIER-3
SCALE A



PLAN OF PIER-3
SCALE A

NO.	DATE	REVISIONS	ORIGINATED	DESIGNED	APPROVED

THE REPUBLIC OF INDONESIA
MINISTRY OF PUBLIC WORKS
DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT

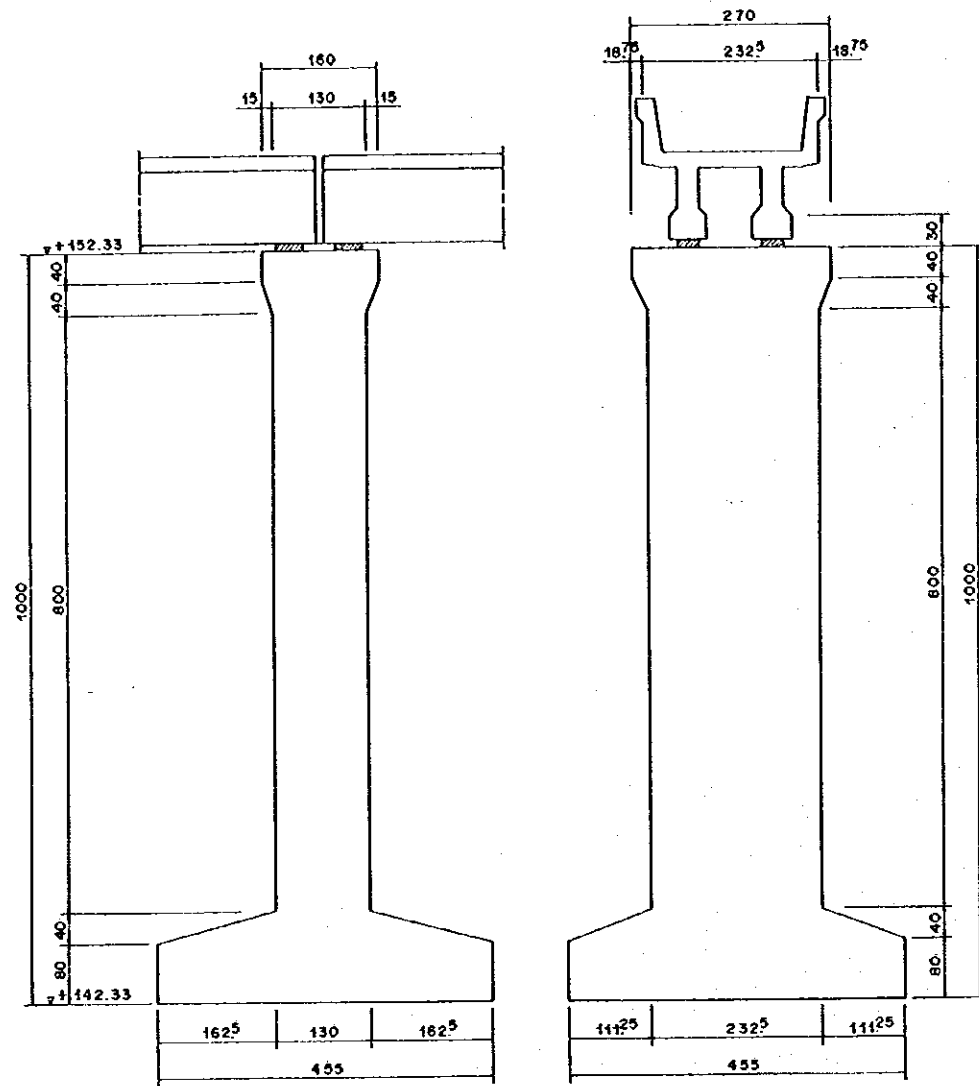
BRATUNSELUNA FLOOD CONTROL PROJECT
COMPONENT : JATIBARANG DAM CONSTRUCTION
APPROACH BRIDGE TO GOA KREO CAVE
PIER - 3
SECTIONS AND REINFORCING BAR ARRANGEMENT
(8 / 11)

PROVINCE: CENTRAL JAWA
PROJECT NAME: FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT IN SEMARANG IN THE REPUBLIC OF INDONESIA
DISTRICT: SEMARANG CITY
DRAWING NO. JD-P2-AB-S1-5
SHEET NO. 67

JAPAN INTERNATIONAL COOPERATION AGENCY
CIE ENGINEERING CO. LTD. IN ASSOCIATION WITH
TACON CONSULTANTS INTERNATIONAL AND
PACIFIC INTERNATIONAL INC.

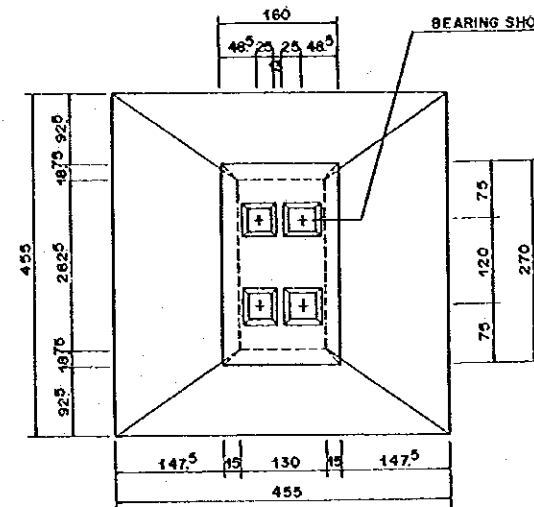
DESIGNED: [Signature]
CHECKED: [Signature]
DATE: [Date]
CONTRACT NO. [Number]

CHIEF OF PLANNING AND DESIGN
PROJECT MANAGER

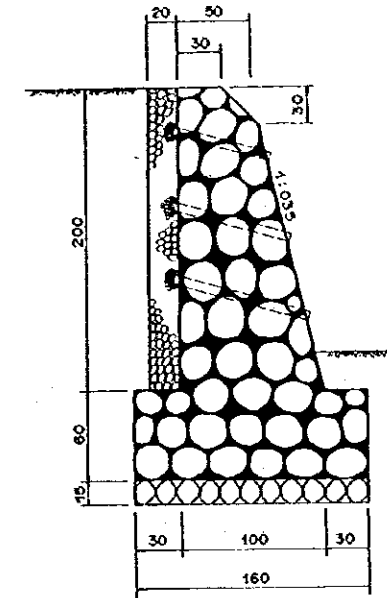


LONGITUDINAL SECTION OF PIER - 2
SCALE A

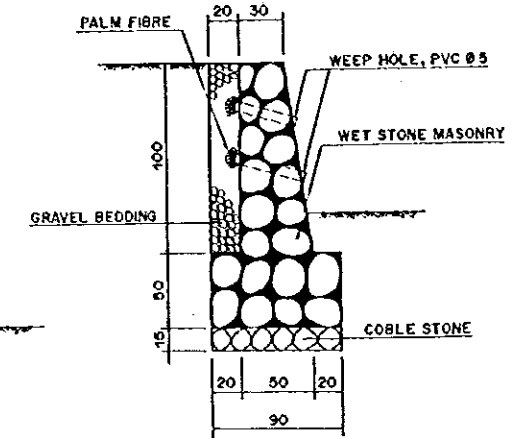
CROSS SECTION OF PIER - 2
SCALE A



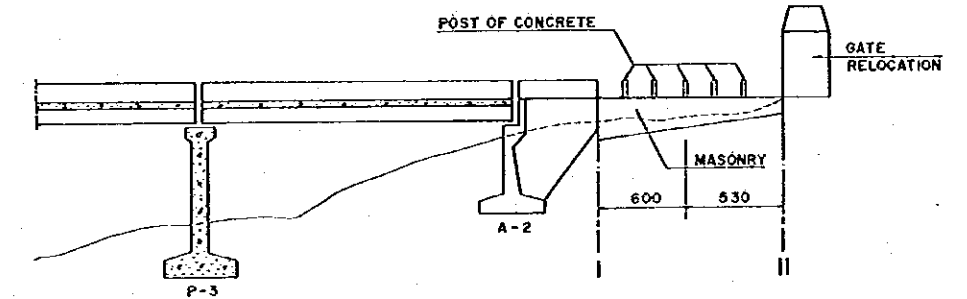
PLAN OF PIER - 2
SCALE A



DETAIL OF MASONRY - I
SCALE B



DETAIL OF MASONRY - II
SCALE B

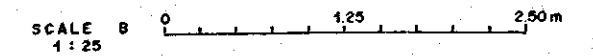
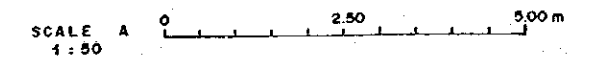


SECTION A - A
SCALE A

LIST OF REINFORCING BAR OF PIER - 2

REINFORCING CEMENT	Ø (mm)	TYPE	BENDING DIMENSION (cm)					UNIT (Kg/m)	TOTAL LENGTH (m)	TOTAL WEIGHT (Kg)	REMARK	NUMBER
			a	b	c	d	HOOK					
PIER - 2 (P1-21)	19	P2-1	643.8	57	-	-	11.40	2.230	7.122	381.17		24
	19	P2-2	30	140	43	100	11.40	2.230	4.168	177.45		19
	16	P2-3	110	180	-	-	9.6	1.580	5.992	388.16		41
	13	P2-4	250	-	-	-	7.8	1.040	2.656	19.34		7
	29	P2-5	445	-	-	-	17.4	5.190	4.698	921.36		37
	19	P2-6	60	172.20	110	-	11.40	2.230	5.932	232.19		19
	13	P2-7	445	VAR.	-	-	7.8	1.040	5.233	163.26		30
	19	P2-8	586	57	-	-	11.40	2.230	6.344	350.23		24
	19	P2-9	443.5	10	-	-	11.40	2.230	4.849	248.81		24
	19	P2-10	386.5	10	-	-	11.40	2.230	4.079	218.31		24
	13	P2-11	110	-	-	-	7.8	1.040	1.256	111.03		85
	16	P2-12	445	-	-	-	9.6	1.580	4.642	132.02		18
TOTAL = 3363.33												

- NOTE :
1. UNIT IN CENTIMETER EXCEPT REINFORCING BAR
 2. CONCRETE QUALITY K.225
 3. STEEL QUALITY U.24
 4. CONCRETE COVER MINIMUM 100 mm
 5. MAXIMUM AGREGATE 40 mm



THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT				PROVINCE CENTRAL JAWA	
MATURMELUKA FLOOD CONTROL PROJECT COMPONENT: JATIBARANG DAM CONSTRUCTION APPROACH BRIDGE TO GOA KREO CAVE PLAN AND SECTION AND LIST OF REINFORCING BAR FOR PIER - 2 AND DETAIL OF WET COBBLE MASONRY (1/1)				PROJECT NAME FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT IN MATURMELUKA IN THE REPUBLIC OF INDONESIA	
SURVEY AND CONSULTANCY AGENCY C.E. ENGINEERING CO., LTD. IN ASSOCIATION WITH PACIFIC CONSULTANTS INTERNATIONAL INC. PACIFIC INTERNATIONAL INC.				DISTRICT SUBARANG CITY	
DESIGNED CHECKED DATE				DRAWING NO. JD - P2 - AB - S1 - 6 SHEET NO. 68	
APPROVED PROJECT MANAGER				CONTRACT NO.	
NO.	DATE	REVISORS	ORIGINATED	DESIGNED	APPROVED

LIST OF REINFORCING BAR OF ABUTMENT

REINFORCEMENT	Ø (mm)	TYPE	BENDING DIMENSION (cm)					UNIT (kg/m)	TOTAL LENGTH (m)	TOTAL WEIGHT (kg)	REMARK	NUMBER
			a	b	c	d	HOOK					
ABUTMENT	19	A1	349.5	57	-	-	11.4	2.230	4.293	105.31		11
	19	A2	313.5	57	-	-	11.4	2.230	3.933	96.48		11
	19	A3	105.0	30	135	-	11.4	2.230	2.926	71.82		11
	19	A4	180	20	157	-	11.4	2.230	3.798	92.94		11
	16	A5	250	-	-	-	9.6	1.580	2.692	153.12		36
	19	A6	30	110	80	120	11.4	2.230	3.928	96.35		11
	19	A7	330	-	-	-	11.4	2.230	3.528	86.54		11
	16	A8	250	-	-	-	9.6	1.580	2.692	59.55		14
	16	A9	65	-	-	-	9.6	1.580	0.842	26.61		20
TOTAL = 788.72												

LIST OF REINFORCING BAR OF PIER - 1

REINFORCEMENT	Ø (mm)	TYPE	BENDING DIMENSION (cm)					UNIT (kg/m)	TOTAL LENGTH (m)	TOTAL WEIGHT (kg)	REMARK	NUMBER
			a	b	c	d	HOOK					
PIER - 1 (P.1)	19	P1-1	35	573.15	57	-	11.4	2.230	6.880	460.27		30
	19	P1-2	30	140	53	70	11.4	2.230	3.988	186.76		21
	13	P1-3	180	70	-	-	7.8	1.040	5.196	96.52		18
	13	P1-4	250	140	-	-	7.8	1.040	7.956	24.82		3
	29	P1-5	330	-	-	-	17.4	5.190	3.648	538.08		25
	19	P1-6	30	136	70	-	11.4	2.230	4.248	142.10		15
	13	P1-7	330	VAR.	-	-	7.8	1.040	3.822	47.70		12
	13	P1-8	70	-	-	-	7.8	1.040	0.856	31.16		35
	13	P1-9	330	-	-	-	7.8	1.040	3.456	67.74		14
TOTAL = 17595.15												

LIST OF REINFORCING BAR OF PIER - 3

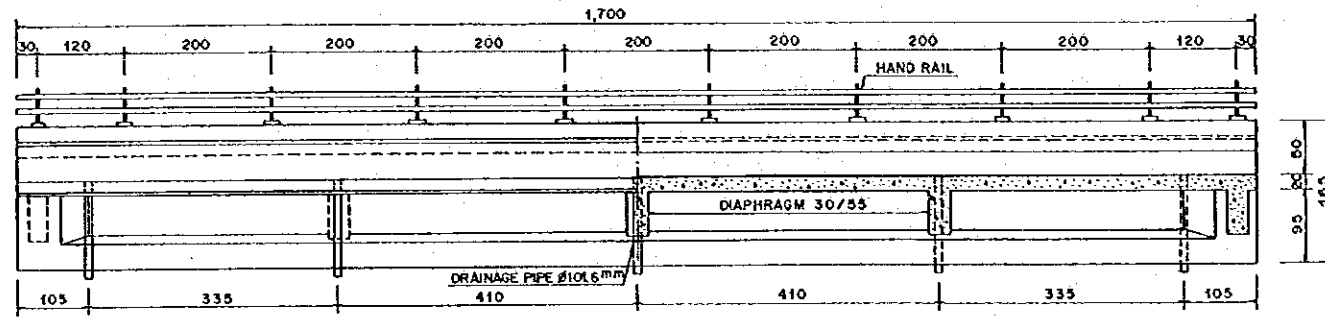
REINFORCEMENT	Ø (mm)	TYPE	BENDING DIMENSION (cm)					UNIT (kg/m)	TOTAL LENGTH (m)	TOTAL WEIGHT (Kg)	REMARK	NUMBER
			a	b	c	d	HOOK					
PIER - 3 (P3)	19	P3-1	57.3	57	-	-	11.4	2.230	6.414	343.28		24
	19	P3-2	30	140	47	90	11.4	2.230	4.068	163.29		18
	16	P3-3	180	90	-	-	9.6	1.580	5.592	220.88		25
	16	P3-4	250	140	-	-	9.6	1.580	7.992	25.25		2
	29	P3-5	380	-	-	-	17.4	5.190	4.148	624.32		29
	22	P3-6	50	150.4	90	-	13.2	2.980	5.172	231.19		15
	13	P3-7	380	VAR.	-	-	7.8	1.040	4.862	131.46		26
	19	P3-8	516	57	-	-	11.4	2.230	5.844	312.77		24
	19	P3-9	313.5	20	-	-	11.4	2.230	3.449	184.59		24
	19	P3-10	266.5	20	-	-	11.4	2.230	-	159.44		24
	16	P3-11	90	-	-	-	9.6	1.580	1.092	89.72		52
	16	P3-12	380	-	-	-	9.6	1.580	3.992	100.92		16
TOTAL = 2587.11												

LIST OF REINFORCING BAR OF WING WALL

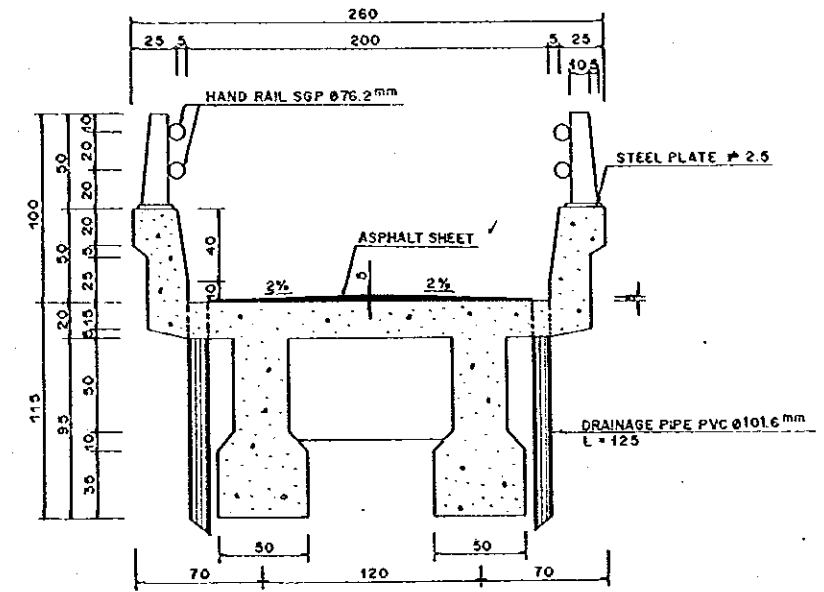
TYPE	Ø (mm)	BENDING DIMENSION (cm)				NUMBER	UNIT (kg/m)	TOTAL LENGTH (m)	TOTAL WEIGHT (kg)	SHAPE	
		a	b	c	HOOK						
W1	19	410.0	-	-	11.40	11	2.230	4.328	106.17	1	
W2	19	100.0	410	20	11.40	11	2.230	5.528	135.60	2	
W3	19	13.8	480	-	11.40	2	2.230	5.166	23.04	3	
W4	19	13.8	465	-	11.40	2	2.230	5.016	22.37	3	
W5	19	13.8	455	-	11.40	2	2.230	4.916	21.92	3	
W6	19	13.8	445	-	11.40	2	2.230	4.816	21.49	3	
W7	19	13.8	430	-	11.40	2	2.230	4.666	20.81	3	
W8	19	13.8	420	-	11.40	2	2.230	4.566	20.36	3	
W9	19	13.8	405	-	11.40	2	2.230	4.416	19.70	3	
W10	19	13.8	395	-	11.40	2	2.230	4.316	19.25	3	
W11	19	13.8	385	-	11.40	2	2.230	4.216	18.80	3	
W12	19	13.8	375	-	11.40	2	2.230	4.116	18.36	3	
W13	19	13.8	360	-	11.40	2	2.230	3.966	17.69	3	
W14	19	13.8	350	-	11.40	2	2.230	3.866	17.24	3	
W15	19	13.8	340	-	11.40	2	2.230	3.766	16.80	3	
W16	19	13.8	325	-	11.40	2	2.230	3.616	16.13	3	
W17	19	13.8	315	-	11.40	2	2.230	3.516	15.68	3	
W18	19	13.8	305	-	11.40	2	2.230	3.416	15.24	3	
W19	19	13.8	290	-	11.40	2	2.230	3.266	14.57	3	
W20	19	13.8	280	-	11.40	2	2.230	3.166	14.12	3	
W21	19	13.8	270	-	11.40	2	2.230	3.066	13.67	3	
W22	19	13.8	255	-	11.40	2	2.230	2.916	13.01	3	
W23	19	13.8	245	-	11.40	2	2.230	2.816	12.56	3	
W24	19	13.8	235	-	11.40	2	2.230	2.716	12.11	3	
W25	19	13.8	220	-	11.40	2	2.230	2.566	11.44	3	
W26	19	13.8	205	-	11.40	2	2.230	2.416	10.78	3	
W27	19	13.8	195	-	11.40	2	2.230	2.316	10.33	3	
W28	16	11.6	441	-	9.60	10	1.580	4.718	74.54	3	
W29	16	11.6	435	-	9.60	2	1.580	4.658	14.72	3	
W30	16	11.6	405	-	9.60	2	1.580	4.358	13.77	3	
W31	16	11.6	375	-	9.60	2	1.580	4.058	12.82	3	
W32	16	11.6	350	-	9.60	2	1.580	3.808	12.02	3	
W33	16	11.6	325	-	9.60	2	1.580	3.558	11.24	3	
W34	16	11.6	295	-	9.60	2	1.580	3.258	10.30	3	
W35	16	11.6	270	-	9.60	2	1.580	3.008	9.51	3	
W36	16	11.6	245	-	9.60	2	1.580	2.758	8.72	3	
W37	16	11.6	215	-	9.60	2	1.580	2.458	7.77	3	
W38	16	11.6	190	-	9.60	2	1.580	2.208	6.98	3	
W39	16	11.6	160	-	9.60	2	1.580	1.908	6.03	3	
W40	16	11.6	135	-	9.60	2	1.580	1.658	5.24	3	
W41	16	11.6	300	-	9.60	4	1.580	3.308	20.91	3	
W42	16	130	-	-	9.60	32	1.580	1.492	75.44	4	
TOTAL									949.25		
BS	16	46	-	-	-	120	1.580	46	81.22	5	
TOTAL									81.22		

NO.	DATE	REVISIONS	ORIGINALED	DESIGNED	APPROVED

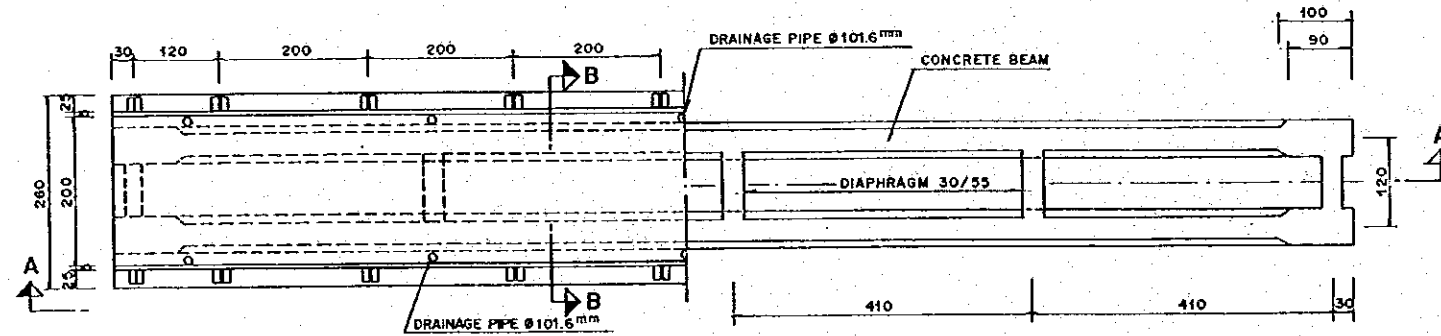
THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT		PROVINCE CENTRAL JAWA
IRATUNSELONA FLOOD CONTROL PROJECT COMPONENT : JATIBARANG DAM CONSTRUCTION APPROACH BRIDGE TO GOA KREO CAVE LIST OF REINFORCING BAR FOR ABUTMENT, PIER - 1, PIER - 3 AND WING WALL (8/11)		PROJECT NAME FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT IN IRATUNSELONA IN THE REPUBLIC OF INDONESIA
JAPAN INTERNATIONAL COOPERATION AGENCY OJI ENGINEERING CO., LTD. IN ASSOCIATION WITH PACIFIC CONSULTANTS INTERNATIONAL, INC. JACO INTERNATIONAL, INC.		DIRECT SEMARANG CITY
DESIGNED CHECKED CITY OF PLANNING AND DESIGN		DRAWING NO. JD-P2-AB-S1-7 SHEET NO. 69
APPROVED PROJECT MANAGER		DATE CONTRACT NO.



SECTION A - A
SCALE A



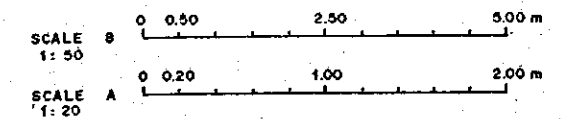
SECTION B - B
SCALE B



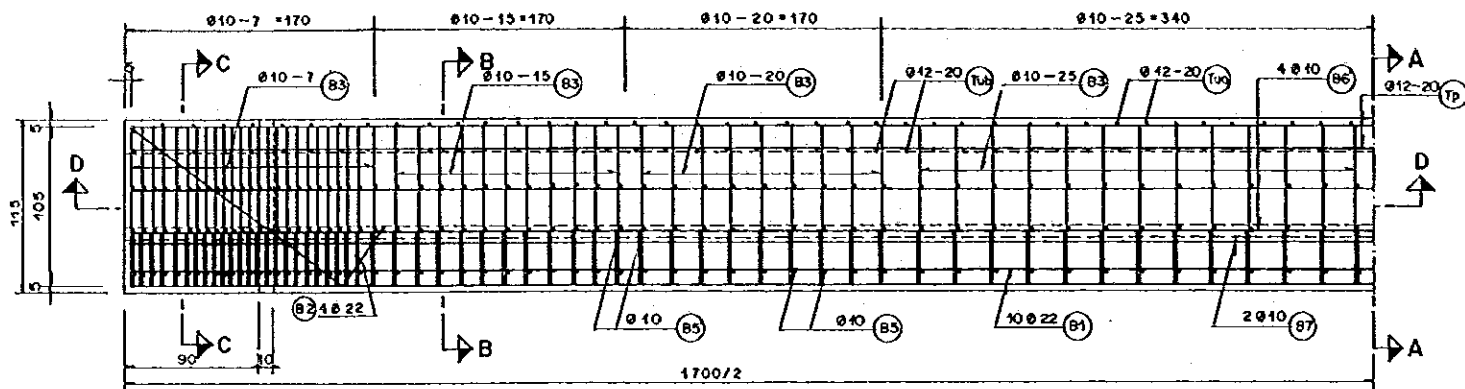
PLAN
SCALE A

NOTE :

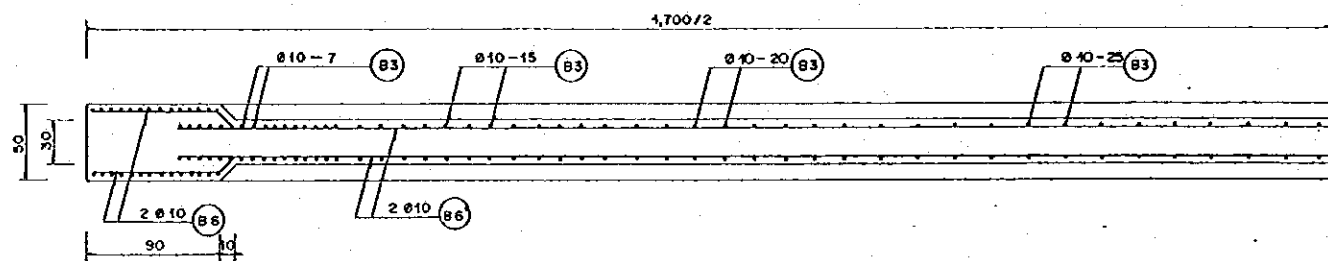
1. UNIT IN CENTIMETER
2. CONCRETE QUALITY FOR BEAM AND DIAPHRAGM K-250
3. CONCRETE QUALITY FOR SLAB AND CURB K-250



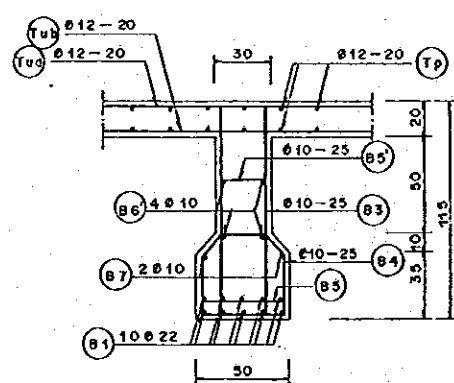
						THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT		PROVINCE CENTRAL JAYA	
						ARATURSELAMA FLOOD CONTROL PROJECT COMPONENT : JATIBARANG DAM CONSTRUCTION APPROACH BRIDGE TO GOA KREO CAVE SUPERSTRUCTURE		PROJECT NAME FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT IN SEMARANG IN THE REPUBLIC OF INDONESIA	
						9/11		DISTRICT SEMARANG CITY	
						DRAWING NO. JD-P2-AB-Sw-1		SHEET NO. 70	
						CHECKED <i>[Signature]</i>		DATE	
						APPROVED PROJECT MANAGER		CONTRACT NO.	
NO.	DATE	REVISIONS	ORIGINATED	DESIGNED	APPROVED				



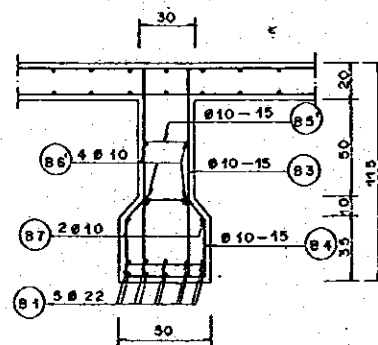
REINFORCING BAR ARRANGEMENT OF BEAM
SCALE B



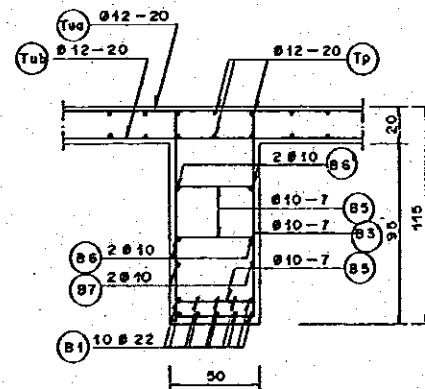
SECTION D-D
SCALE B



SECTION A-A
SCALE A



SECTION B-B
SCALE A



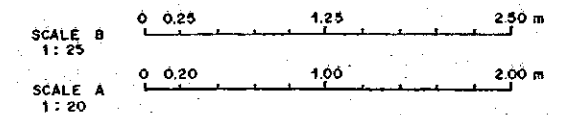
SECTION C-C
SCALE A

LIST OF REINFORCING BAR OF BEAM

REIN- FORCING BAR	Ø (mm)	TYPE	BENDING DIMENTION (cm)					TOTAL LENGTH (m)	NUMBER	UNIT WEIGHT (kg)	NUMBER OF BEAM	TOTAL WEIGHT (kg)	REMARK	
			a	b	c	d	e							HOOK
BEAM	22	B1	1590			150		14	20.74	10	3.850	2	1597	↔↔↔
	22	B2	160	40	38			14	2.66	8	3.850	2	163	↗↘
	10	B3	20	105				6	2.62	98	0.616	2	316	⊠
	10	B3'	40	26	20	14		6	1.52	98	0.616	2	184	⊠
	10	B4	40	105				6	3.02	28	0.616	2	104	⊠
	10	B5	40					6	0.52	172	0.616	2	110	—
	10	B5'	20					6	0.32	98	0.616	2	38	—
	10	B6	85	14	100			6	2.11	8	0.616	2	21	↔↔↔
	10	B6'	1500			150		6	19.36	4	0.616	2	91	↔↔↔
	10	B7	1590			150		6	20.26	2	0.616	2	50	↔↔↔
TOTAL											2,674	kg		

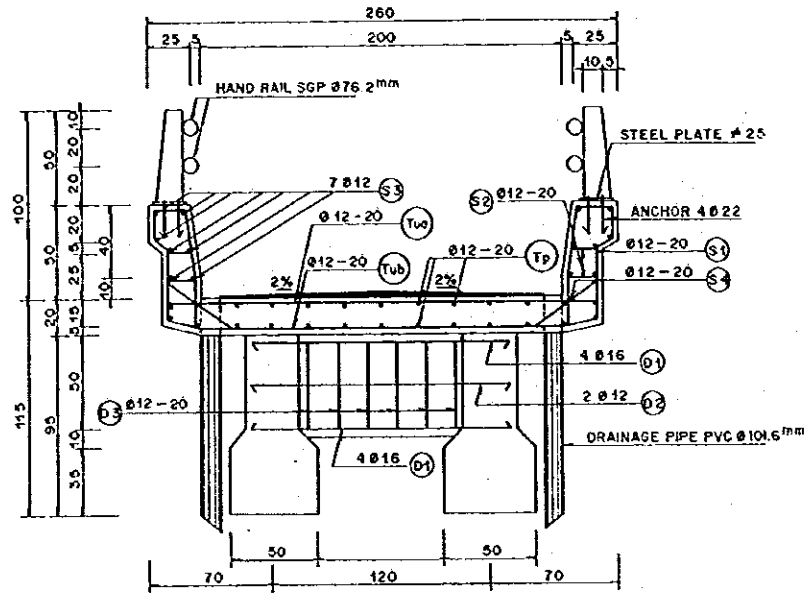
NOTE :

1. UNIT IN CENTIMETER EXCEPT FOR REINFORCING BAR
2. CONCRETE QUALITY IS K-250
3. STEEL QUALITY IS BJ-30
4. CONCRETE COVER IS 50 mm

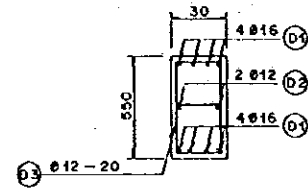


THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT		PROVINCE CENTRAL JAWA
IRATUNSELUNA FLOOD CONTROL PROJECT COMPONENT : JATIBARANG DAM CONSTRUCTION APPROACH BRIDGE TO GOA KREO CAVE 10/11 REINFORCING BAR ARRANGEMENT OF BEAM		PROJECT NAME FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT IN SEMARANG IN THE REPUBLIC OF INDONESIA DISTRICT SEMARANG CITY DRAWING NO. JD-P2-AB-Sa-2 SHEET NO. 71
JAPAN INTERNATIONAL COOPERATION AGENCY OJI ENGINEERING CO., LTD. IN ASSOCIATION WITH PACIFIC CONSULTANTS INTERNATIONAL AND PARCO INTERNATIONAL INC.		DATE CONTRACTING NO.
APPROVED GROUP OF PLANNING AND DESIGN PROJECT MANAGER		CHECKED DATE

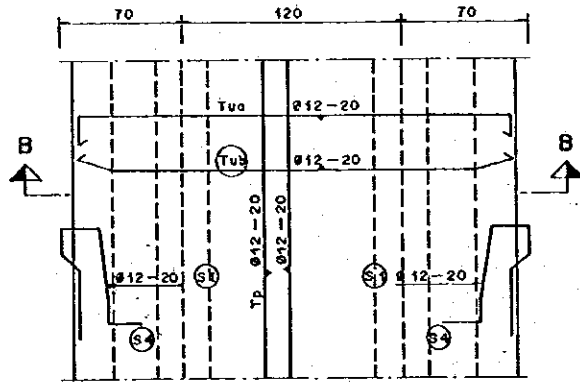
NO.	DATE	REVISIONS	ORIGINATED	DESIGNED	APPROVED



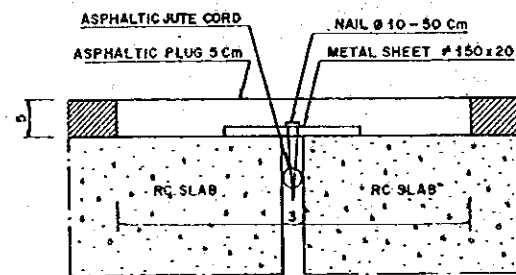
SECTION B-B
SCALE C



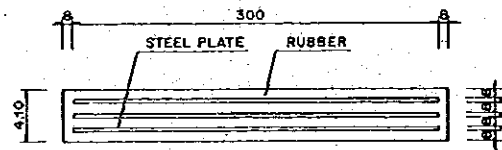
DIAPHRAGM
SCALE C



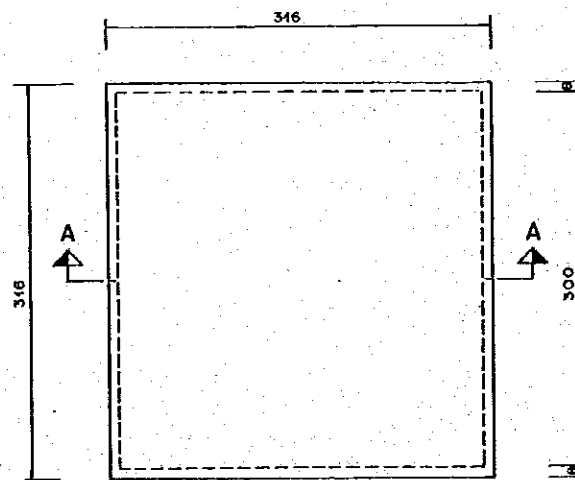
SLAB REINFORCING BAR
SCALE C



EXPANSION JOINT DETAIL
SCALE B



SECTION A-A
SCALE A



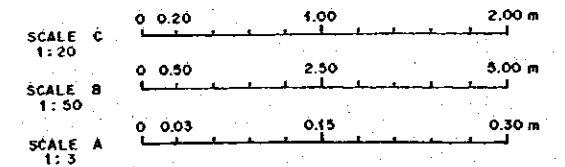
RUBBER BEARING SHOE
SCALE A

LIST OF REINFORCING BAR OF DIAPHRAGM & SLAB

REIN - FORCING BAR	Ø (mm)	TYPE	BENDING DIMENTION (cm)							HOOK	TOTAL LENGTH (m)	NUMBER	UNIT WEIGHT (kg)	NUMBER OF BEAM	TOTAL WEIGHT (kg)	REMARK
			a	b	c	d	e	f	g							
	16	D1	130							9.6	1.492	8	1.577	5	54	↔
DIAPHRAGM	12	D2	130							7.2	1.444	2	0.887	5	13	↔
	12	D3	20	45						7.2	1.444	6	0.887	5	38	⊠
	12	S1	25	35	15	15	8	40	20	7.2	1.580	172	0.887	2	480	∩
CURB	12	S2	16							7.2	0.232	172	0.887	2	71	↔
	12	S3	1690							7.2	20.33	7	0.887	2	249	↔↔
	12	S4	12	40	15					7.2	0.814	86	0.887	2	124	↔
	12	Tub	235	5						7.2	2.594	86	0.887	1	198	↔
SLAB	12	Tub	200	24						7.2	2.552	86	0.887	1	195	↔
	12	Tp	1690							7.2	20.33	26	0.887	1	469	↔↔
TOTAL = 1930 kg																

NOTE :

1. UNIT IN CENTIMETER EXCEPT REINFORCING BAR AND BEARING SHOE
2. CONCRETE QUALITY FOR SLAB K-250
3. STEEL QUALITY BJ.32
4. CONCRETE COVER MINIMUM 50 mm
5. MAXIMUM AGRAGATE SIZE 20 mm



NO.	DATE	REVISIONS	ORIGINATED	DESIGNED	APPROVED	APPROVED

THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF SEWAGE TREATMENT		PROVINCE CENTRAL JAVA
COMPONENT : JATIBARANG DAM CONSTRUCTION APPROACH BRIDGE TO GOA KREO CAVE REINFORCING BAR ARRANGEMENT FOR SLAB AND DIAPHRAGM		PROJECT NAME FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT IN SEMARANG IN THE REPUBLIC OF INDONESIA PROJECT SEMARANG CITY DRAWING NO. JD-P2-AB-Sw-3 SHEET NO. 72
DESIGNED CHECKED DATE	11/11 DATE	CONTRACT NO.
SIGNED OF PLANNING AND DESIGN PROJECT MANAGER		





JICA