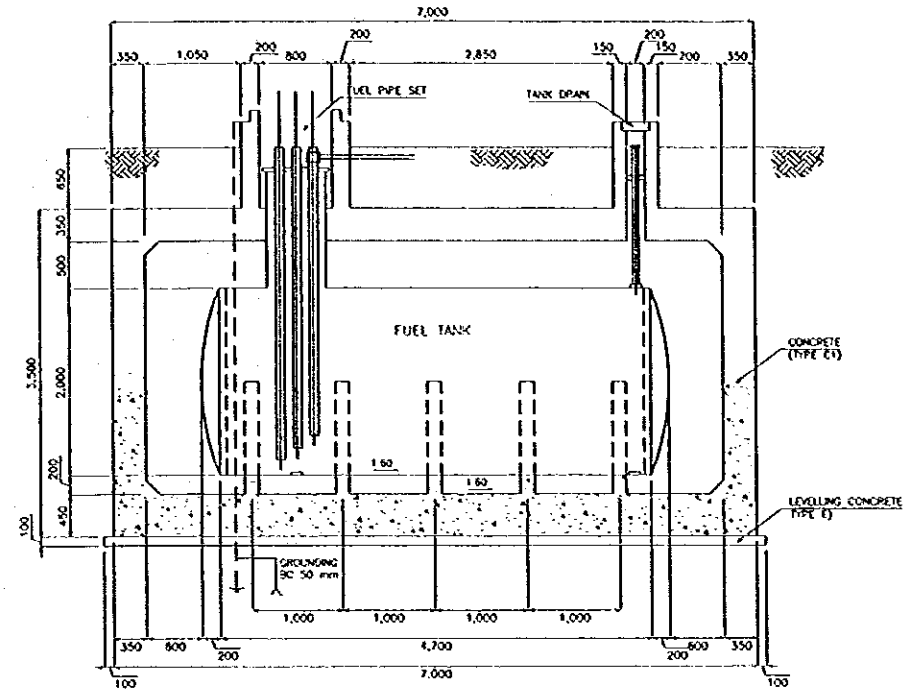
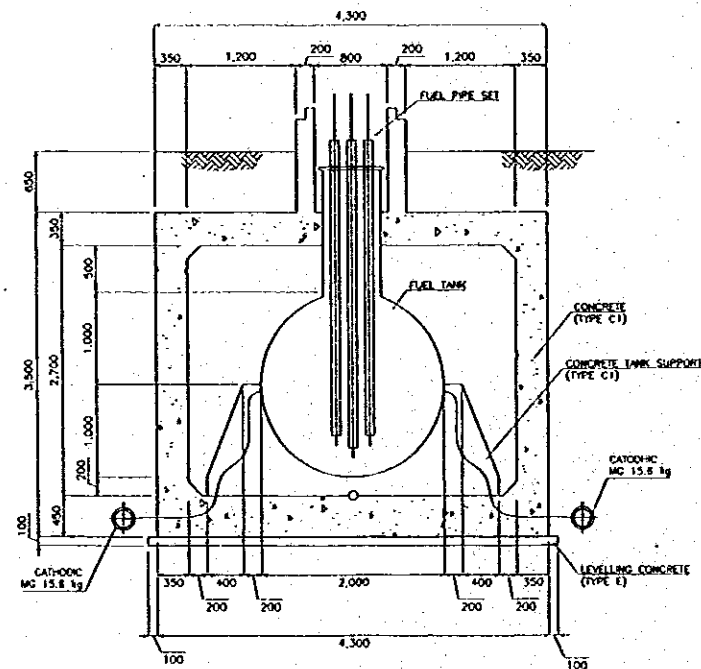


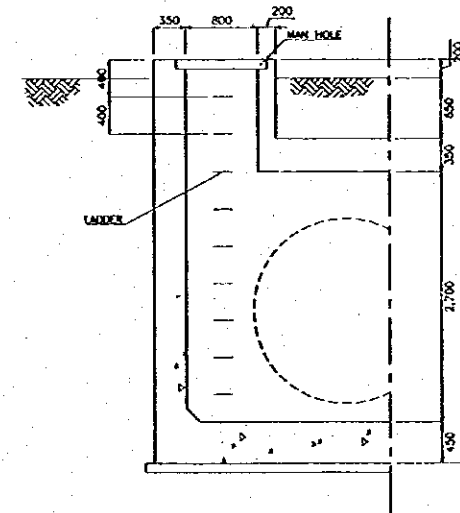
PLAN



SECTION A-A



SECTION B-B

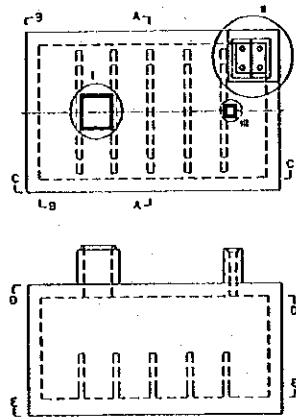


SECTION C-C

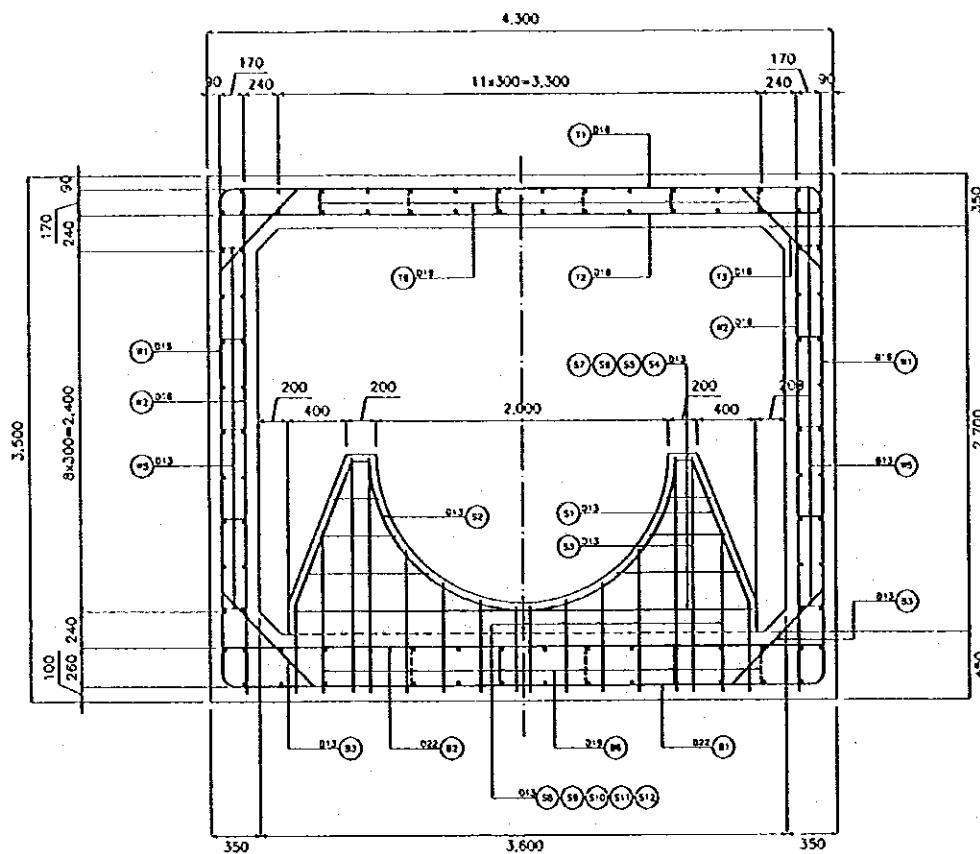
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NO.	DATE	REVISIONS	GRADUATED	DESIGNED	APPROVED

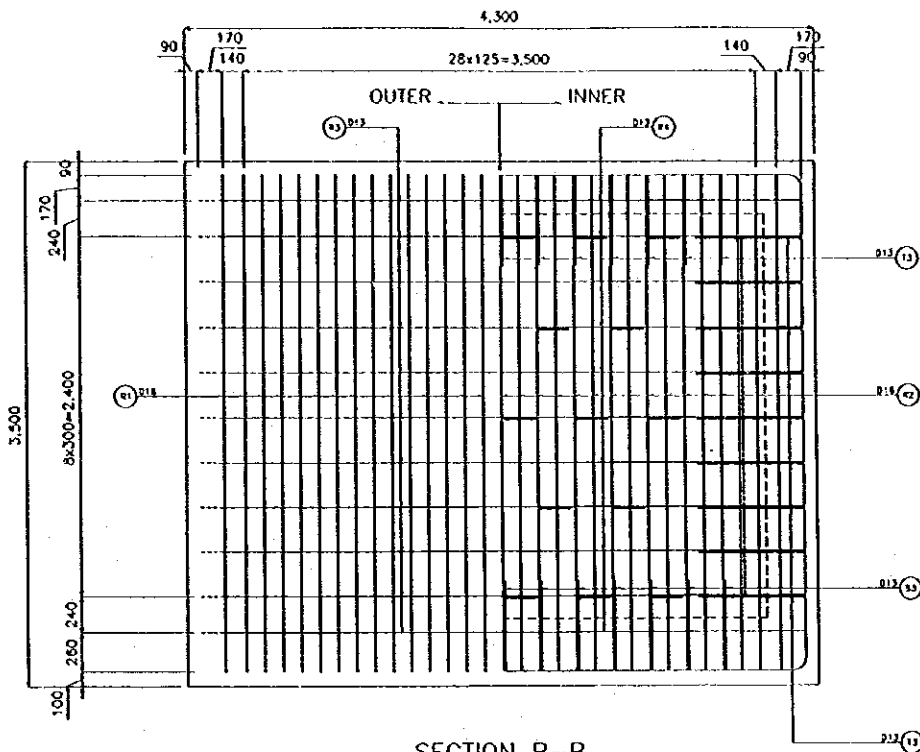
THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF RURAL SETTLEMENT SURABAYA FLOOD CONTROL PROJECT COMPONENT : URBAN DRAINAGE SYSTEM IMPROVEMENT FUEL TANK BOX PLAN AND SECTIONS		PROVINCE CENTRAL JAVA PROJECT NAME FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT IN SURABAYA IN THE REPUBLIC OF INDONESIA DISTRICT SEMARANG CITY DRAWING NO. U-P3-P-MI-1 SHEET NO. 57
JAWA INTERNATIONAL COOPERATION AGENCY CIL INDONESIEN CO., LTD. IN ASSOCIATION WITH PACIFIC CONSULTANTS INTERNATIONAL AND PABO INTERNATIONAL PSC. CHIEF OF PLANNING AND DESIGN	DRAWING CHECKED APPROVED PROJECT MANAGER	DATE CONTRACT NO.



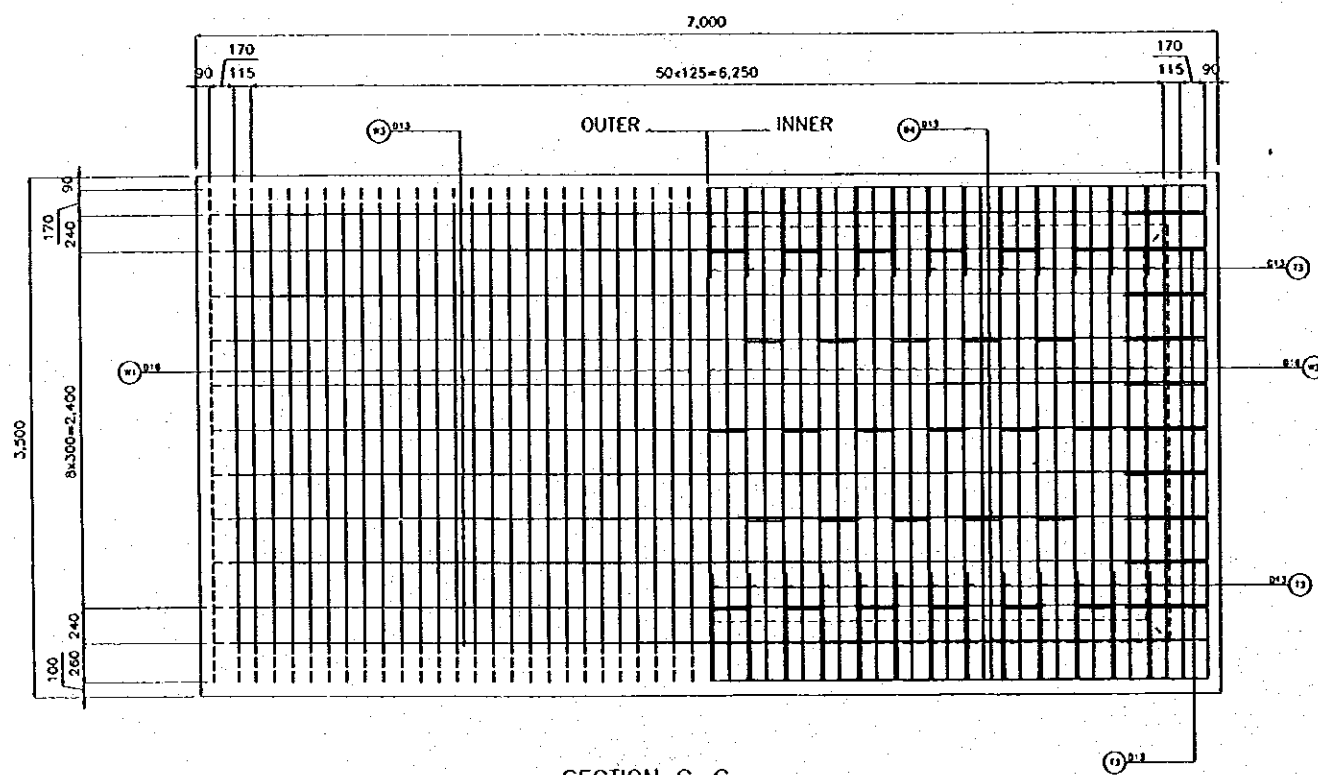
KEY PLAN



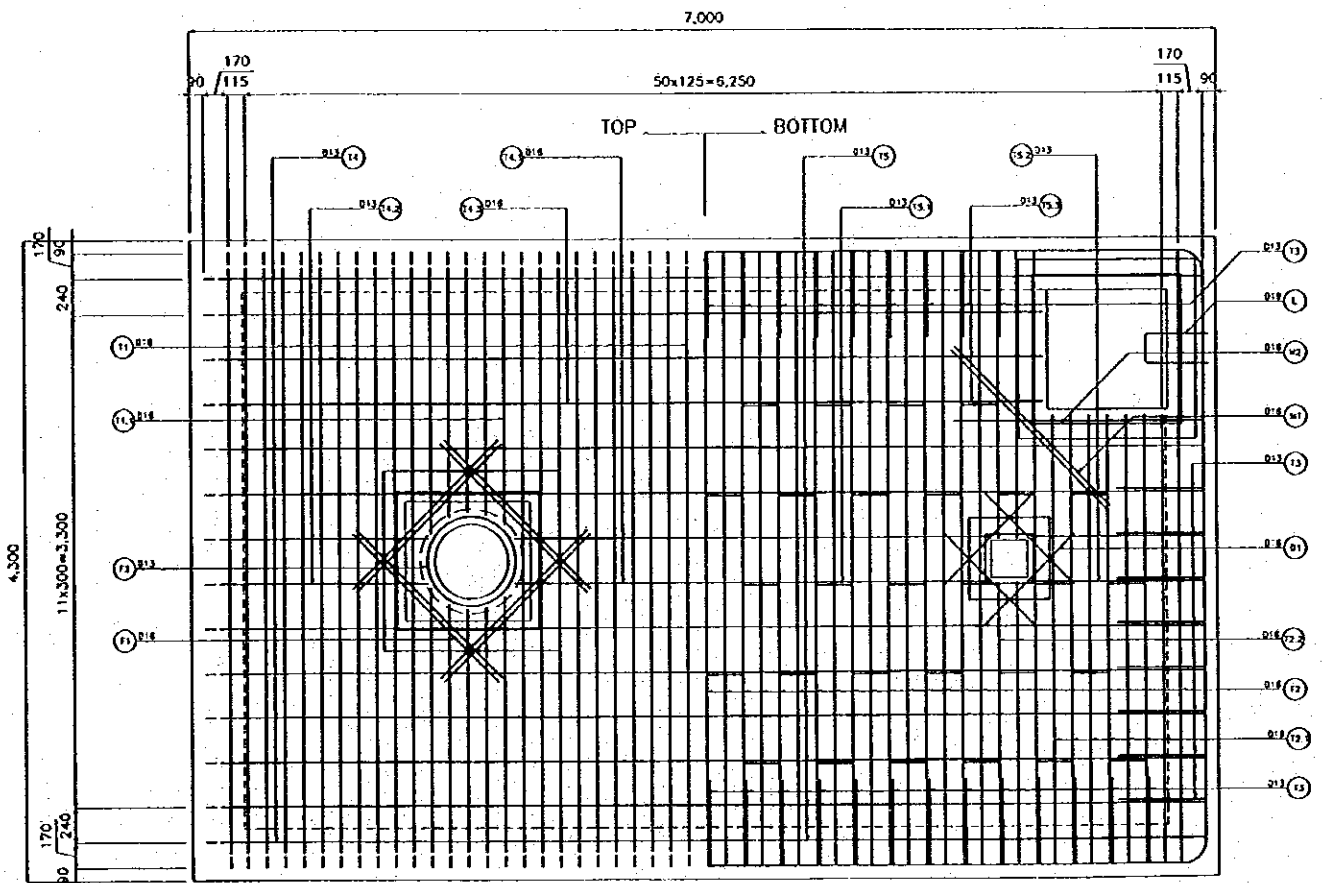
SECTION A-A



SECTION B-B



SECTION C-C

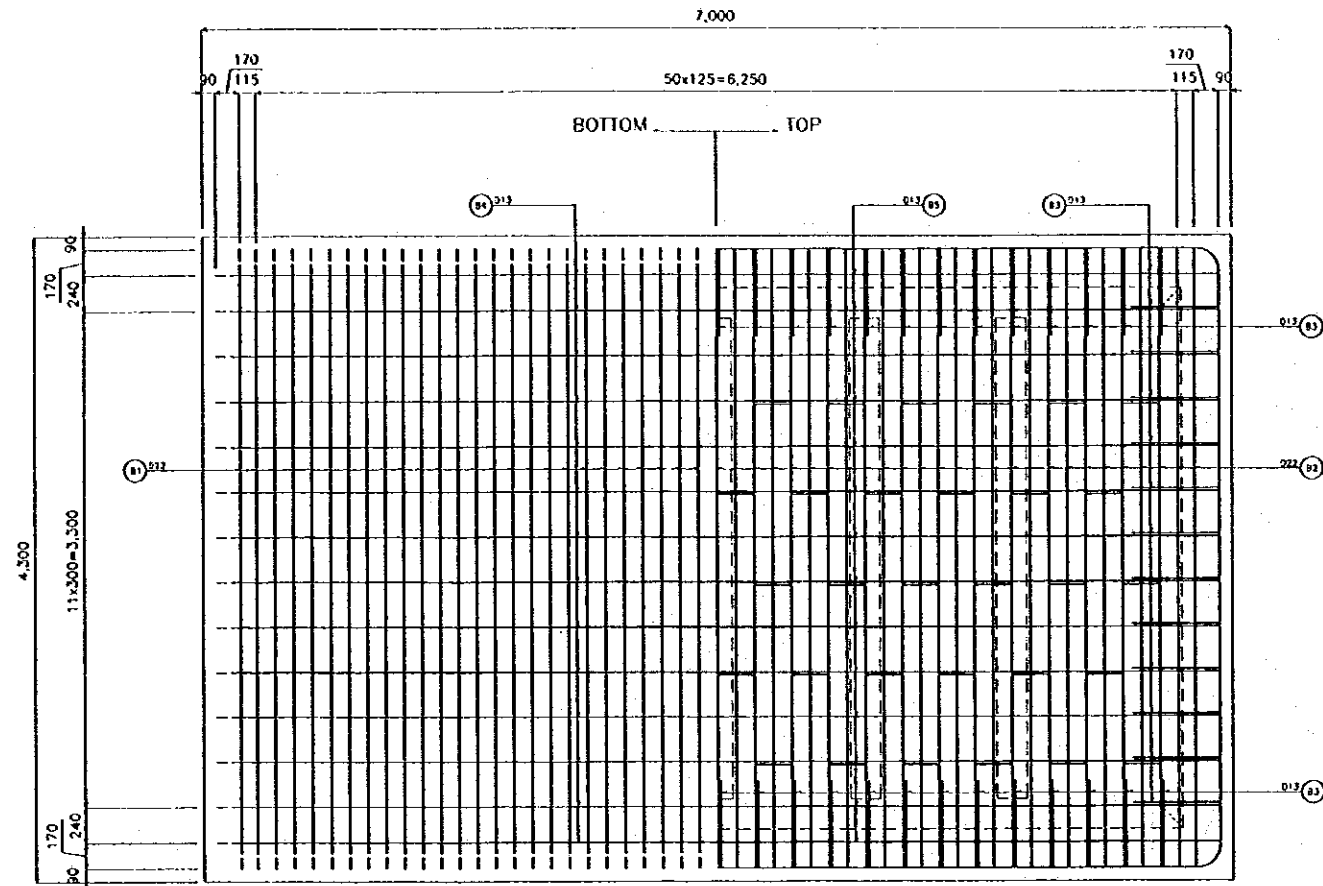


SECTION D-D

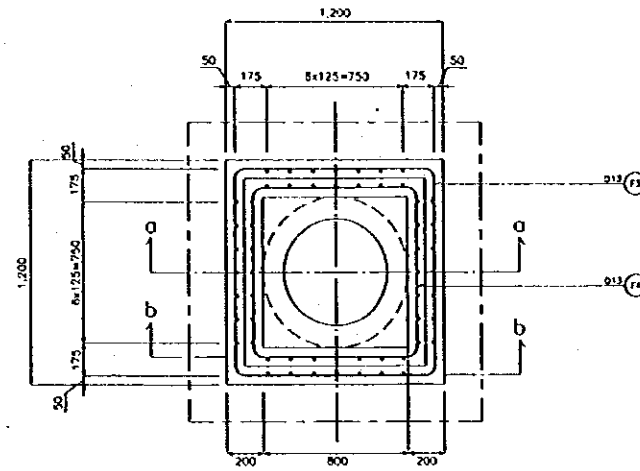
SCALE 0 1.25 2.5m
1 : 25

NO.	DATE	REVISION	ORIGINATOR	DESIGNED	APPROVED

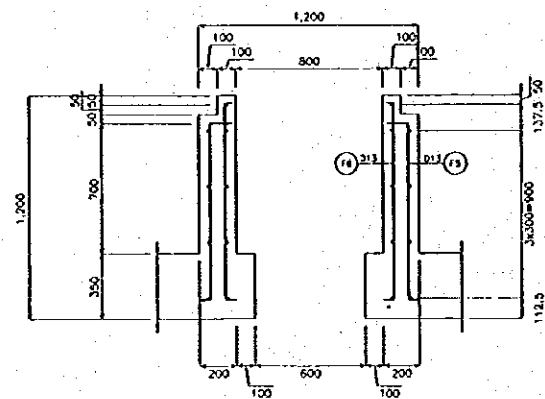
THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT		PROVINCE CENTRAL JAVA
JATUNSELUNA FLOOD CONTROL PROJECT COMPONENT : URBAN DRAINAGE SYSTEM IMPROVEMENT FUEL TANK BOX REINFORCING BAR ARRANGEMENT (1/4)		PROJECT NAME FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT IN SEMARANG IN THE REPUBLIC OF INDONESIA
LAYAN INTERNASIONAL COOPERATION AGENCY CII (INDONESIA) CO., LTD. IN ASSOCIATION WITH PACIFIC CONSULTANTS INTERNATIONAL AND JARDI INTERNATIONAL INC.		CITY SEMARANG
DESIGNED CHECKED DATE OF PLANNING AND DESIGN		DRAWING NO. U-P3-P-MI-2 SHEET NO. 58
APPROVED PROJECT MANAGER		DATE CONTRACT NO.



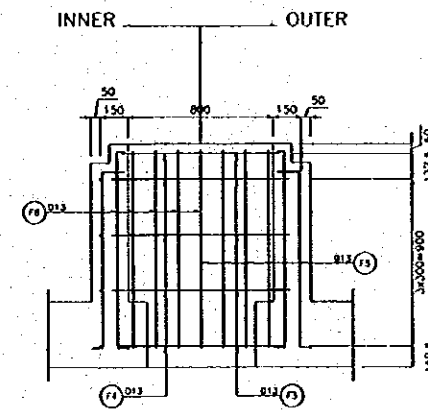
SECTION E-E
SCALE A



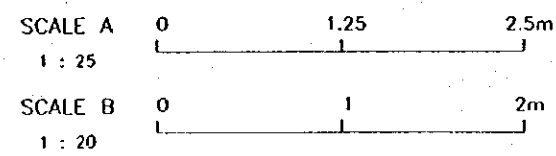
DETAIL I
SCALE B



SECTION a-a
SCALE B

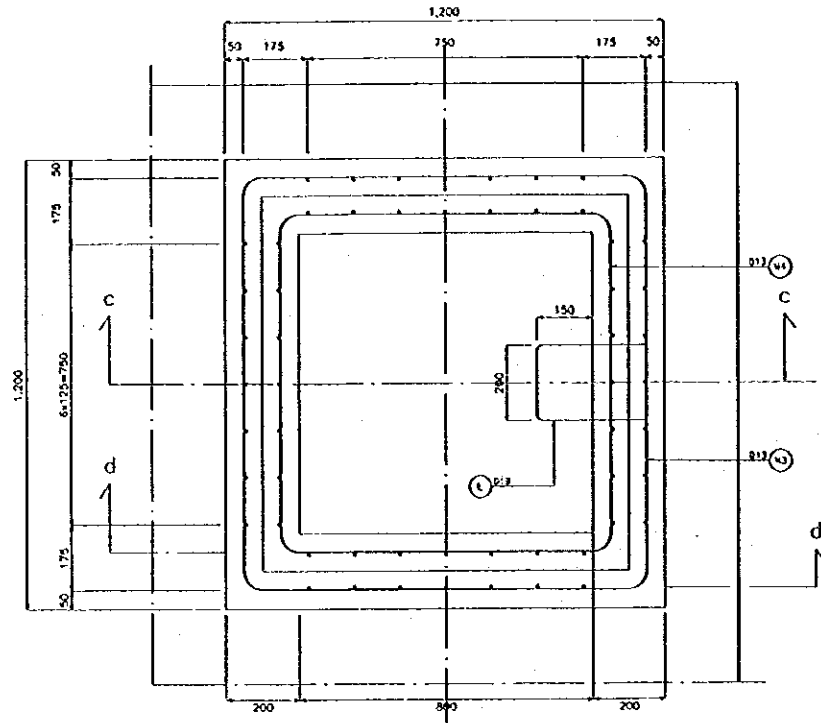


SECTION b-b
SCALE B

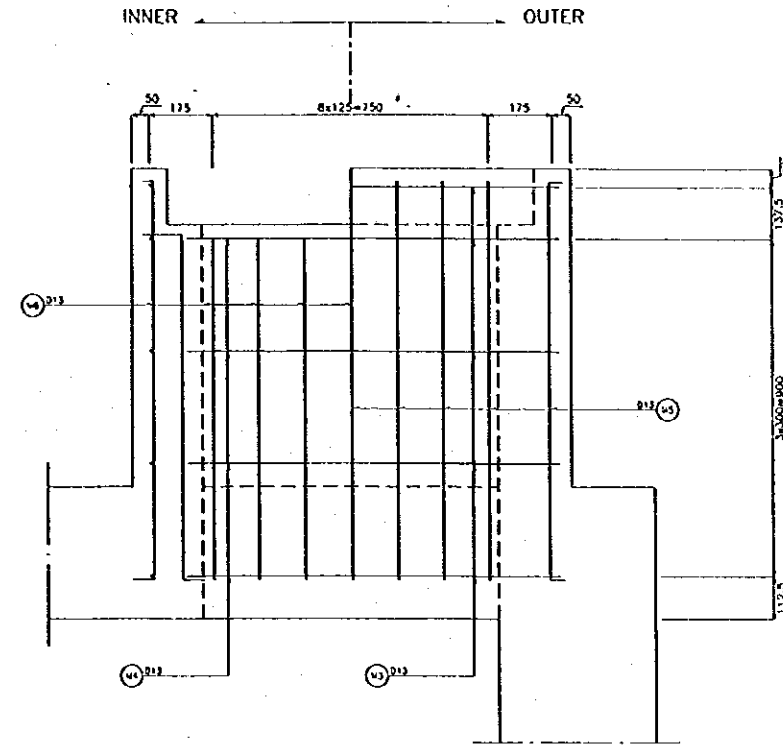


NO.	DATE	REVISIONS	ORIGINATED	DESIGN-2D	APPROVED

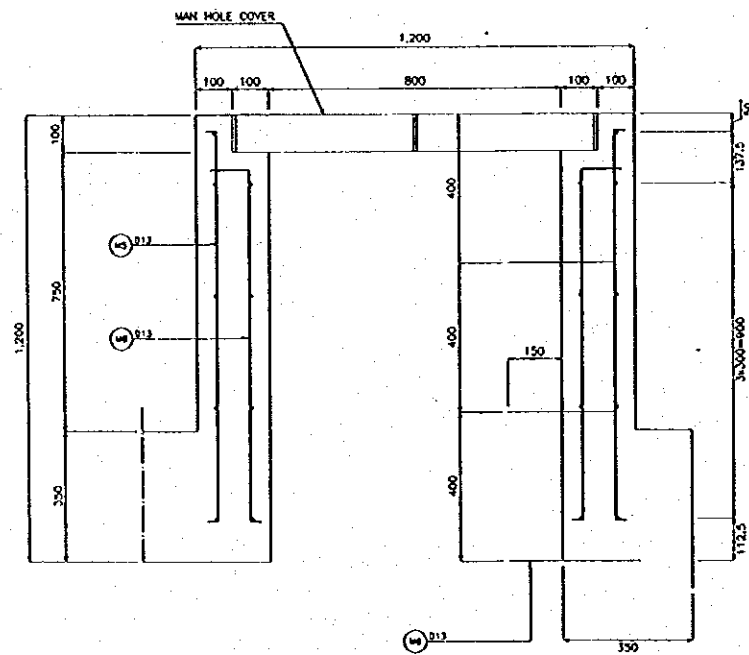
THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT SURABAYA FLOOD CONTROL PROJECT COMPONENT : URBAN DRAINAGE SYSTEM IMPROVEMENT PUMP TANK BOX REINFORCING BAR ARRANGEMENT (24)		PROVINCE CENTRAL JAWA PROJECT NAME FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT IN SURABAYA IN THE REPUBLIC OF INDONESIA DISTRICT SURABAYA CITY DRAWING NO. U-P3-P-MI-3 SHEET NO. 59 DATE CONTRACT NO.
SAFARI INTERNATIONAL COOPERATION AGENCY CTE ENGINEERING CO. LTD. IN ASSOCIATION WITH PACIFIC CONSULTANTS INTERNATIONAL AND PACTO INTERNATIONAL INC.	DESIGNED CHECKED 	APPROVED CHIEF OF PLANNING AND DESIGN PROJECT MANAGER



DETAIL II

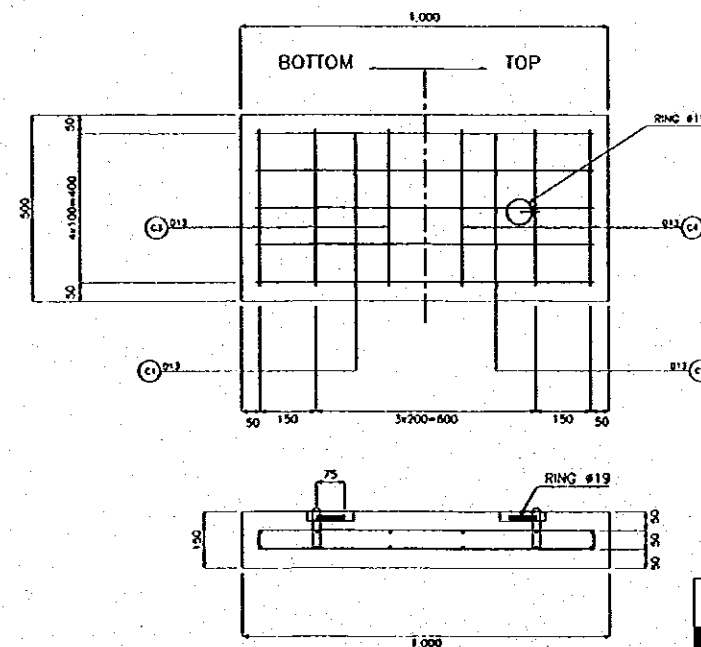


SECTION d-d



SECTION c-c

DETAIL OF MAN HOLE COVER

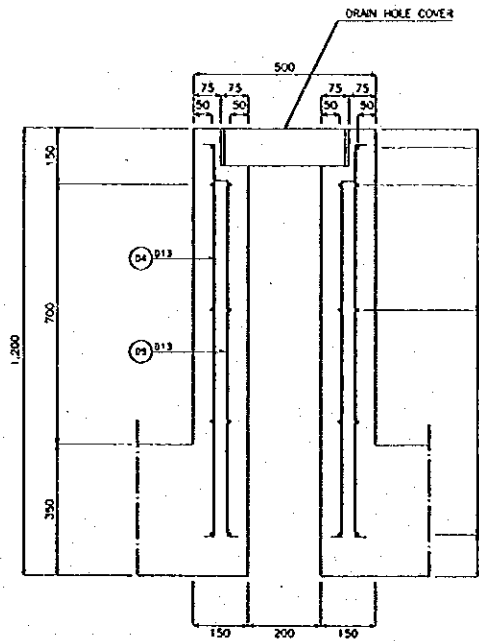
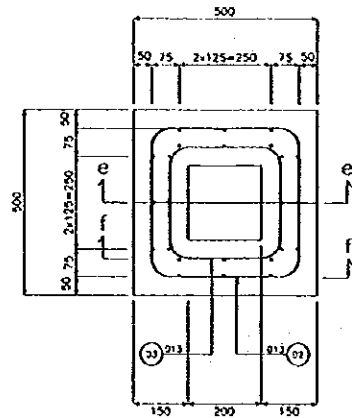


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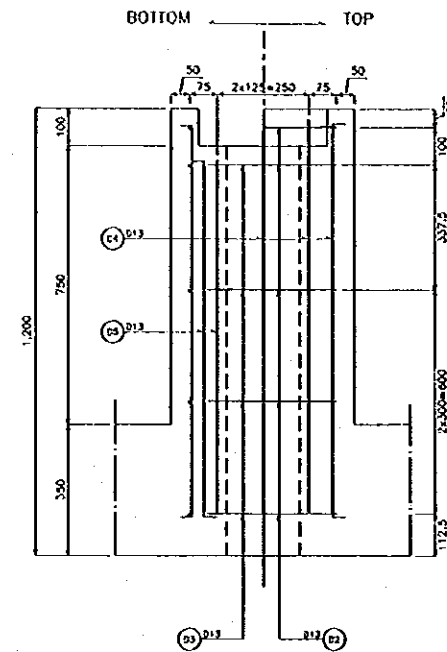
NO.	DATE	REVISIONS	ORIGINATED	DESIGNED	APPROVED

THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT JATUMULUWA FLOOD CONTROL PROJECT COMPONENT : URBAN DRAINAGE SYSTEM IMPROVEMENT FUEL TANK BOX REINFORCING BAR ARRANGEMENT (3/4)	PROVINCE CENTRAL JAVA
	PROJECT NAME FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT IN SEMARANG IN THE REPUBLIC OF INDONESIA
DIVISION CIVIL ENGINEERING DIVISION	DISTRICT SEMARANG CITY
DRAWING NO. U-P3-P-MI-4 SHEET NO. 60	DATE CONTRACT NO.
SAJAN INTERNATIONAL CONSULTING AGENCY C/I SURABAYA CO., LTD. IN ASSOCIATION WITH PACIFIC CONSULTANTS INTERNATIONAL AND JAPAN INTERNATIONAL P.C. CHIEF OF PLANNING AND DESIGN	PROJECT MANAGER

DETAIL III

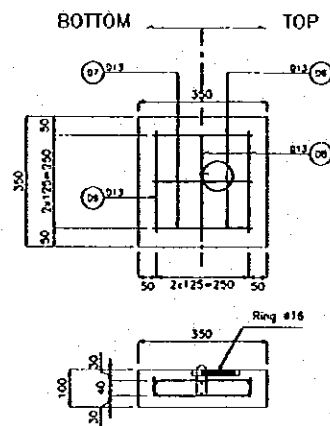


SECTION e-e



SECTION f-f

DETAIL OF DRAIN HOLE COVER



SCALE 1 : 10

NO.	DATE	REVISIONS	CREATED	DESIGNED	APPROVED

THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT		PROVINCE CENTRAL JAYA
RAJURUMELUNA FLOOD CONTROL PROJECT COMPONENT : URBAN DRAINAGE SYSTEM IMPROVEMENT PUMP TANK BOX REINFORCING BAR ARRANGMENT (44)		PROJECT NAME FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT OF SEMARANG IN THE REPUBLIC OF INDONESIA
JAPAN INTERNATIONAL COOPERATION AGENCY CITY ENGINEERING CO., LTD. IN ASSOCIATION WITH PACIFIC CONSULTANTS INTERNATIONAL AND PARK INTERNATIONAL, INC.		DISTRICT SEMARANG CITY
DESIGNED CHECKED DATE		DRAWING NO. U-P3-P-MI-5 SHEET NO. 61
APPROVED CHIEF OF PLANNING AND DESIGN PROJECT MANAGER		CONTRACT NO.

BAR BENDING SCHEDULE

TYPE	SHAPE	DIA	NUMBER	LENGTH (mm)	L1 (mm)	L2 (mm)	L3 (mm)	V (mm)	H (mm)	R (mm)
T1	5	16	39	4960	340	220	3840			140
T2	1	16	41	4150	4152					
T3	6	13	97	970	100	768	100	543	543	
T4	5	13	9	7660	340	220	6540			140
T5	1	13	9	6850	6846					
T6	3	19	60	850	100	189	276			
T1.1	4	16	10	2340	340	220	1779			140
T2.1	1	16	8	3040	3042					
T2.2	1	16	4	1940	1942					
T4.1	1	13	2	3130	3126					
T4.2	4	13	2	1940	340	220	1383			140
T4.3	4	13	4	6190	340	220	5628			
T5.1	1	13	2	3130	3126					
T5.2	4	13	2	1630	340	220	1073			140
T5.3	1	13	3	5740	5736					
B1	5	22	53	5380	550	220	3840			140
B2	1	22	53	4160	4164					
B3	6	13	70	1100	100	895	100	633	633	
B4	5	13	14	5380	550	220	3840			140
B5	1	13	14	6850	6846					
B6	3	19	72	1030	100	279	276			
W1	5	16	106	4160	340	220	3040			140
W2	1	16	106	3350	3352					
W3	5	13	92	7660	340	220	6540			140
W4	1	13	26	3350	3346					
W5	2	13	112	570	100	196	276			
S1	11	13	20	1820	113	583	1031	950	400	
S2	8	13	10	3530	113	3299				1050
S3	13	13	40	1640	113	1526				
S4	1	13	10	3130	3126					
S5	1	13	20	830	826					
S6	1	13	20	480	476					
S7	1	13	20	280	276					
S8	13	13	20	640	113	526				
S9	13	13	20	690	113	576				
S10	13	13	20	790	113	676				
S11	13	13	20	990	113	876				
S12	13	13	20	1190	113	1076				

BAR WEIGHT

TYPE	DIA (mm)	LENGTH (mm)	NUMBER	WEIGHT PER "M" (kg)	WEIGHT PER "BAR" (kg)	WEIGHT (kg)	SHAPE
T1	16	4960	39	1.58	7.837	305.635	5
T2	16	4150	41	1.58	6.557	268.837	1
T3	13	970	97	1.04	1.009	97.854	6
T4	13	7660	9	1.04	7.966	71.698	5
T5	13	6850	9	1.04	7.124	64.116	1
T6	19	850	60	2.23	1.896	113.730	3
T1.1	16	2340	10	1.58	3.697	36.972	4
T2.1	16	3040	8	1.58	4.803	38.426	1
T2.2	16	1940	4	1.58	3.065	12.261	1
T4.1	13	3130	2	1.04	3.255	6.510	1
T4.2	13	1940	2	1.04	2.018	4.035	4
T4.3	13	6190	4	1.04	6.438	25.750	4
T5.1	13	3130	2	1.04	3.255	6.510	1
T5.2	13	1630	2	1.04	1.695	3.390	4
T5.3	13	5740	3	1.04	5.970	17.909	1
B1	22	5380	53	2.98	16.032	849.717	5
B2	22	4160	53	2.98	12.397	657.030	1
B3	13	1100	70	1.04	1.144	80.080	6
B4	13	5380	14	1.04	5.595	78.333	5
B5	13	6850	14	1.04	7.124	99.736	1
B6	19	1030	72	2.23	2.297	165.377	3
W1	16	4160	106	1.58	6.573	696.717	5
W2	16	3350	106	1.58	5.293	561.058	1
W3	13	7660	92	1.04	7.966	732.909	5
W4	13	3350	26	1.04	3.484	90.584	1
W5	13	570	112	1.04	0.593	66.394	2
S1	13	1820	20	1.04	1.893	37.856	11
S2	13	3530	10	1.04	3.671	36.712	8
S3	13	1640	40	1.04	1.706	68.224	13
S4	13	3130	10	1.04	3.255	32.552	1
S5	13	830	20	1.04	0.863	17.264	1
S6	13	480	20	1.04	0.499	9.984	1
S7	13	280	20	1.04	0.291	5.824	1
S8	13	640	20	1.04	0.666	13.312	13
S9	13	690	20	1.04	0.718	14.352	13
S10	13	790	20	1.04	0.822	16.432	13
S11	13	990	20	1.04	1.030	20.592	13
S12	13	1190	20	1.04	1.238	24.752	13

BAR BENDING SCHEDULE

TYPE	SHAPE	DIA	NUMBER	LENGTH (mm)	L1 (mm)	L2 (mm)	L3 (mm)	V (mm)	H (mm)	R (mm)
R1	5	16	62	4160	340	220	3040			140
R2	1	16	62	3350	3352					
R3	5	13	22	5520	340	220	3040			140
R4	1	13	22	4150	4146					
R5	2	13	54	570	100	196	276			
F1	1	16	16	1400	1400					
F2	7	13	2	2400	2399					
F3	12	13	4	4370	1000	79	50			50
F4	12	13	5	3570	800	79	50			50
F5	9	13	32	1160	87	988				
F6	2	13	28	1160	87	1038	30			
M1	1	16	4	1500	1500					
M2	13	16	2	1950	202	1750				
M3	12	13	5	4370	1000	79	50			50
M4	12	13	4	3570	800	79	50			50
M5	2	13	32	1160	87	1038	30			
M6	9	13	28	1160	87	988				
C1	2	13	5	1030	63	900	63			
C2	1	13	5	930	926					
C3	2	13	6	500	50	400	50			
C4	1	13	6	430	426					
O1	1	13	8	900	900					
O2	12	13	5	1570	300	79	50			50
O3	12	13	4	1170	200	79	50			50
O4	2	13	16	1160	87	1038	30			
O5	9	13	12	1160	87	988				
O6	1	13	3	280	276					
O7	2	13	3	360	53	250	53			
O8	1	13	3	280	276					
O9	2	13	3	330	40	250	40			
L	10	19	10	1040	100	200	319			

BAR WEIGHT

TYPE	DIA (mm)	LENGTH (mm)	NUMBER	WEIGHT PER "M" (kg)	WEIGHT PER "BAR" (kg)	WEIGHT (kg)	SHAPE
R1	16	4160	62	1.58	6.573	407.514	5
R2	16	3350	62	1.58	5.293	328.166	1
R3	13	5520	22	1.04	5.741	126.298	5
R4	13	4150	22	1.04	4.316	94.952	1
R5	13	570	54	1.04	0.593	32.011	2
F1	16	1400	16	1.58	2.212	35.392	1
F2	13	2400	2	1.04	2.496	4.992	7
F3	13	4370	4	1.04	4.545	18.179	12
F4	13	3570	5	1.04	3.713	18.564	12
F5	13	1160	32	1.04	1.206	38.605	9
F6	13	1160	28	1.04	1.206	33.779	2
M1	16	1500	4	1.58	2.370	9.480	1
M2	16	1950	2	1.58	3.081	6.162	13
M3	13	4370	5	1.04	4.545	22.724	12
M4	13	3570	4	1.04	3.713	14.851	12
M5	13	1160	32	1.04	1.206	38.605	2
M6	13	1160	28	1.04	1.206	33.779	9
C1	13	1030	5	1.04	1.071	5.356	2
C2	13	930	5	1.04	0.967	4.836	1
C3	13	500	6	1.04	0.520	3.120	2
C4	13	430	6	1.04	0.447	2.683	1
O1	13	900	8	1.04	0.936	7.488	1
O2	13	1570	5	1.04	1.633	8.164	12
O3	13	1170	4	1.04	1.217	4.867	12
O4	13	1160	16	1.04	1.206	19.302	2
O5	13	1160	12	1.04	1.206	14.477	9
O6	13	280	3	1.04	0.291	0.874	1
O7	13	360	3	1.04	0.374	1.123	2
O8	13	280	3	1.04	0.291	0.873	1
O9	13	330	3	1.04	0.343	1.030	2
L	19	1040	10	2.23	2.319	23.192	10

BAR BENDING DETAIL

DIA	a	b	l	R	OVERLAP	
					L	WEIGHT (kg)
013	66	156	222	42	455	0.473
016	75	193	268	48	560	0.885
019	94	236	330	60	665	1.483
022	104	272	376	66	770	2.295
025	122	306	428	78	875	3.369
029	141	349	490	90	1015	5.268
032	151	385	536	96	1120	7.067

NO.	DATE	REVISIONS	CREATED	DESIGNED	APPROVED

THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT SURABAYA FLOOD CONTROL PROJECT COMPONENT: URBAN DRAINAGE SYSTEM IMPROVEMENT FUEL TANK BOX BAR BENDING SCHEDULE AND BAR WEIGHT		PROVINCE: CENTRAL JAYA PROJECT NAME: SURABAYA FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT IN SURABAYA IN THE REPUBLIC OF INDONESIA DISTRICT: SURABAYA CITY DRAWING NO: U-P3-P-MI-6 SHEET NO: 62
LEAN INTERNATIONAL COOPERATION AGENCY CE ENGINEERING CO., LTD. IN ASSOCIATION WITH PACIFIC CONSULTANTS INTERNATIONAL AND JACO INTERNATIONAL S.P.A.	DESIGNED: <i>[Signature]</i> CHECKED: <i>[Signature]</i> DATE: _____ CONTRACT NO. _____	APPROVED: _____ PROJECT MANAGER

DRAWING LIST

NO	SHEET	DRAWING TITLE	SCALE		
	3	BARU PUMPING STATION COMPLEX			
	1	PUMP CONTROL BUILDING			
1	A3 - 000	DRAWING LIST	NTS		
2	A3 - 001	GENERAL ABBREVIATION & SYMBOL	NTS		
3	A3 - 100	EXTERIOR FINISH SCHEDULE	NTS		
4	A3 - 101	INTERIOR FINISH SCHEDULE	NTS		
5	A3 - 102	FLOOR AREA TABLE	NTS		
6	A3 - 103	SITE PLAN	1 - 200		
7	A3 - 104	FLOOR PLAN, ROOF PLAN, CEILING PLAN & DETAIL	1 - 100	1 - 20	
8	A3 - 105	ELEVATION	1 - 100		
9	A3 - 106	SECTION I-I & DETAIL SECTION	1 - 50	1 - 10	
10	A3 - 107	SECTION II-II, INTERIOR ELEVATION & DETAIL	1 - 100	1 - 50	1 - 10
11	A3 - 108	MISCELLANEOUS DETAIL 1	1 - 20	1 - 10	1 - 5
12	A3 - 108a	MISCELLANEOUS DETAIL 2	1 - 20	1 - 5	1 - 2
13	A3 - 108b	MISCELLANEOUS DETAIL 3	1 - 25		
14	A3 - 109	KEY PLAN & DOOR WINDOW SCHEDULE	1 - 100	1 - 50	
15	A3 - 110	DRAINAGE PLAN & DETAIL	1 - 200	1 - 10	
16	C3 - 100	COLUMN, THE BEAM & FRAMING ELEVATION	1 - 100		
17	C3 - 101	SECTION AND DETAIL OF COLUMN AND BEAM	1 - 10		
18	C3 - 102	ROOF STRUCTURE PLAN AND TYPICAL	1 - 100	1 - 20	
19	C3 - 103	TYPICAL ROOF TRUSS	1 - 10		
20	C3 - 104	DETAIL ROOF STRUCTURE	1 - 20	1 - 10	
21	E3 - 100	LIGHTNING CONDUCTOR PLAN & DETAIL	1 - 100	1 - 10	1 - 1
22	E3 - 101	LIGHTING PLAN AND ONE LINE ELECTRICAL DIAGRAM	1 - 100		
23	E3 - 102	GENERAL LIGHTING PLAN	NTS		
24	F3 - 100	ISOMETRIC WATER SUPPLY DIAGRAM	NTS		
25	F3 - 101	BEEP/PUT & GROUND RESERVOIR	1 - 20		
	2	MANAGEMENT OFFICE			
26	A3 - 200	FLOOR PLAN, ROOF PLAN, CEILING PLAN	1 - 100		
27	A3 - 201	ELEVATION	1 - 100		
28	A3 - 202	SECTION & DETAIL SECTION	1 - 50	1 - 20	
29	A3 - 203	INTERIOR ELEVATION & DETAIL	1 - 100	1 - 50	1 - 10
30	A3 - 204	DETAIL PLAN & DETAIL SECTION	1 - 20	1 - 10	
31	A3 - 205	KEY PLAN & DOOR WINDOW SCHEDULE	1 - 100	1 - 50	
32	C3 - 200	FOUNDATION PLAN & DETAIL	1 - 100	1 - 20	
33	C3 - 201	COLUMN, THE BEAM & FRAMING ELEVATION	1 - 100	1 - 10	
34	C3 - 202	ROOF STRUCTURE PLAN & TYPICAL	1 - 100	1 - 20	1 - 10
35	C3 - 203	DETAIL TRUSS STRUCTURE & DETAIL	1 - 20	1 - 10	
	3	STAFF HOUSE			
36	A3 - 300	FLOOR PLAN, ROOF PLAN, CEILING PLAN & ELEVATION	1 - 100		
37	A3 - 301	SECTION	1 - 50		
38	A3 - 302	INTERIOR ELEVATION & DETAIL PLAN	1 - 50	1 - 20	1 - 10
39	A3 - 303	KEY PLAN & DOOR WINDOW SCHEDULE	1 - 100	1 - 50	
40	C3 - 300	FOUNDATION PLAN & DETAIL	1 - 100	1 - 20	
41	C3 - 301	COLUMN, THE BEAM & FRAMING ELEVATION	1 - 100	1 - 10	
42	C3 - 302	ROOF STRUCTURE PLAN & TYPICAL	1 - 50	1 - 20	
43	C3 - 303	DETAIL TRUSS STRUCTURE	1 - 20	1 - 10	
	4	GARAGE			
44	A3 - 400	FLOOR PLAN, ROOF PLAN & CEILING PLAN	1 - 100		
45	A3 - 401	ELEVATION	1 - 100		
46	A3 - 402	SECTION AND DETAIL SECTION	1 - 50	1 - 10	
47	A3 - 403	INTERIOR ELEVATION & DETAIL	1 - 50	1 - 10	1 - 5
48	A3 - 404	KEY PLAN & DOOR WINDOW SCHEDULE	1 - 100	1 - 50	
49	C3 - 400	FOUNDATION PLAN AND DETAIL	1 - 100	1 - 20	
50	C3 - 401	COLUMN, THE BEAM AND FRAMING ELEVATION	1 - 100	1 - 10	
51	C3 - 402	ROOF STRUCTURE PLAN & TYPICAL	1 - 100	1 - 20	1 - 10
52	C3 - 403	ROOF STRUCTURE TYPICAL AND DETAIL	1 - 20		

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
JRATUNSELARA FLOOD CONTROL PROJECT COMPONENT - URBAN DRAINAGE SYSTEM IMPROVEMENT BARU PUMPING STATION COMPLEX DRAWING LIST		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, INC. PACIFIC INTERNATIONAL, INC.		DISTRICT SEMARANG CITY
DESIGNED CHECKED		DRAWING NO AS-080 9-22-88-01
DATE CONTRACT NO.		SHEET NO. 83
COST OF PLANNING AND DESIGN PROJECT MANAGER		DATE CONTRACT NO.

BARU PUMPING STATION

GENERAL	ABBREVIATIONS	SYMBOLS												
<p>1. THESE CONTRACT DRAWINGS INDICATES THE ARCHITECTURAL REQUIREMENT FOR BUILDING STRUCTURE FOR THE CONSTRUCTION OF CENTRE FOR INFORMATION AND RECORD.</p> <p>2. DIMENSIONS IN THESE DRAWINGS ARE BASED UPON THE METRIC SYSTEM.</p> <p>3. REFERENCE LINE IS BASED UPON BENCH MARK ELEVATION AS SHOWN ON DWG A-001 SITE PLAN.</p> <p>4. FLOOR LEVELS INDICATED ARE TO TOP OF FLOOR FINISH OF RESPECTIVE FLOOR.</p> <p>5. THE CEILING HEIGHT GIVEN IS FROM TOP OF RESPECTIVE FLOOR FINISH TO CEILING.</p> <p>6. STRUCTURE, MECHANICAL AND ELECTRICAL WORK DETAILS AND DIMENSIONS MAY BE ADJUSTED FROM TIME TO TIME AS WORK PROGRESSES AND AS NECESSARY TO SUIT ARCHITECTURAL CONDITIONS ENCOUNTERED THE ADJUSTMENTS SUBJECT TO APPROVAL BY THE CONSULTANT.</p> <p>7. DRAWINGS ARE GROUPED AND IDENTIFIED IN DIVISION AND GENERALLY COMPRISED AS FOLLOWS.</p> <p>1. PUMPING HOUSE</p> <p>A3 - 000 DRAWING LIST GENERAL ABBREVIATION & SYMBOL AREA SCHEDULE</p> <p>A3 - 100 EXTERIOR FINISH SCHEDULE INTERIOR FINISH SCHEDULE Site Plan (Part Plan) Floor Plan, Roof Plan & Ceiling Plan Elevation Section I - I & Detail Section Section II - II, Interior Elevation & Detail Miscellaneous Detail Key Plan, Door Window Schedule Drainage Plan & Detail</p> <p>C3 - 100 CONSTRUCTION DRAWING</p> <p>E3 - 100 ELECTRICAL DRAWING</p> <p>P3 - 100 PLUMBING DRAWING</p> <p>2. CONTROL HOUSE</p> <p>A3 - 200 Floor Plan, Roof Plan & Ceiling Plan Elevation Section & Detail Section Interior Elevation & Detail Detail Plan & Detail Section Key Plan, Door Window Schedule</p> <p>C3 - 200 Construction Drawing</p> <p>3. STAFF HOUSE</p> <p>A3 - 300 Floor Plan, Roof Plan, Ceiling Plan & Elevation Section I - I & Section II - II Interior Elevation & Detail Plan Key Plan, Door Window Schedule</p> <p>C3 - 300 Construction Drawing</p> <p>4. GARAGE BUILDING</p> <p>A3 - 400 Floor Plan, Roof Plan & Ceiling Plan Elevation Section Interior Elevation Key Plan, Door Window Schedule</p> <p>C3 - 400 Construction Drawing</p>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; vertical-align: top;"> <p>ABV. ABOVE</p> <p>A/C AIR CONDITIONING</p> <p>ACQ.TILE ACQUASTICAL TILE</p> <p>ADJ. ADJUSTABLE</p> <p>ALT. ALTERNATIVE</p> <p>ALF. ALUMINUM FOL.</p> <p>ALUM. ALUMINUM</p> <p>ANCH. ANCHOR</p> <p>APPRX. APPROXIMATELY</p> <p>A.P.P. ACCESS(FLOOR PANEL)</p> <p>ARCH. ARCHITECTURAL</p> <p>ASPH. ASPHALT</p> <p>AXL. AXIS LINE</p> <p>NI. NILE</p> <p>O. OIL</p> <p>B. BASE</p> <p>B.B. BASEBOARD</p> <p>B.O. BOARD</p> <p>B.LDG. BUILDING</p> <p>B.M. BENCH MARK</p> <p>BTWN. BETWEEN</p> <p>CAB. CABINET</p> <p>CPT. CARPET</p> <p>CEMT. CEMENT MORTAR TROWEL</p> <p>C.C. CEILING</p> <p>C.H. CEILING HEIGHT</p> <p>C.C. CENTRE COUNTER</p> <p>C.M.T. CERAMIC TILE</p> <p>C.A. COLOR ANODIZED</p> <p>COL. COLLAR</p> <p>COR. 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<p>ABV. ABOVE</p> <p>A/C AIR CONDITIONING</p> <p>ACQ.TILE ACQUASTICAL TILE</p> <p>ADJ. ADJUSTABLE</p> <p>ALT. ALTERNATIVE</p> <p>ALF. ALUMINUM FOL.</p> <p>ALUM. ALUMINUM</p> <p>ANCH. ANCHOR</p> <p>APPRX. APPROXIMATELY</p> <p>A.P.P. ACCESS(FLOOR PANEL)</p> <p>ARCH. ARCHITECTURAL</p> <p>ASPH. ASPHALT</p> <p>AXL. AXIS LINE</p> <p>NI. NILE</p> <p>O. OIL</p> <p>B. BASE</p> <p>B.B. BASEBOARD</p> <p>B.O. BOARD</p> <p>B.LDG. BUILDING</p> <p>B.M. BENCH MARK</p> <p>BTWN. BETWEEN</p> <p>CAB. CABINET</p> <p>CPT. CARPET</p> <p>CEMT. CEMENT MORTAR TROWEL</p> <p>C.C. CEILING</p> <p>C.H. CEILING HEIGHT</p> <p>C.C. CENTRE COUNTER</p> <p>C.M.T. CERAMIC TILE</p> <p>C.A. COLOR ANODIZED</p> <p>COL. COLLAR</p> <p>COR. CORRIDOR</p> <p>CONT. CONTINUOUS</p> <p>CEM.TICH. CEMENT MORTAR TROWEL W / COLOUR HARDENER</p> <p>DIA. DIAMETER</p> <p>DIM. DIMENSION</p> <p>DN. DOWN</p> <p>DR. DOOR</p> <p>D.S. DUCT SPACE</p> <p>DWG. DRAWING</p> <p>E. EAST</p> <p>E.A. EACH</p> <p>ELEC. ELECTRICITY</p> <p>ELEV. ELEVATOR</p> <p>E.P.S. ELECTRIC PIPE SHEET</p> <p>E.O. EQUAL</p> <p>EXH. EXHAUST</p> <p>EXPJ. EXPOSED EXPANSION JOINT</p> <p>EXT. EXTERIOR</p> <p>EQUIP. EQUIPMENT</p> <p>E.W.C. ELECTIVE WATER CLOSED</p> <p>E.R.C. EPOXY RESIN COATING</p>	<p>FL. FLOOR</p> <p>FB. FIBRE</p> <p>(F) FEMALE</p> <p>FM. FINISH</p> <p>F.DAMP. FIRE DAMPER</p> <p>F.H. FIRE HYDRANT</p> <p>F.P.P.T.C. FIRE PROTECTION</p> <p>F.D. FLOOR DRAIN</p> <p>FL. FLOOR LEVEL</p> <p>FTO. FOOTING</p> <p>FD. FOUNDATION</p> <p>F. FIBRE</p> <p>F.CB. FIBRE CEMENT BOARD</p> <p>Q.S. GLASS</p> <p>GALV. GALVANIZED</p> <p>G.I. GALVANIZED IRON</p> <p>G.F.L. GROUND FLOOR LEVEL</p> <p>G.L. GROUND LEVEL</p> <p>G.C.TILE GLAZED CERAMIC TILE</p> <p>G.F. GROUND FLOOR</p> <p>G.P. GYPSUM</p> <p>G.P.L. GYPSUM PLASTER BOARD</p> <p>G.P.F. GYPSUM PLASTER TROWEL</p> <p>GR. GLASS BLOCK</p> <p>H. HEIGHT</p> <p>HWOD. HARDWOOD</p> <p>HOZL. HORIZONTAL</p> <p>H.B. HOOK BATTEN W/S/P</p> <p>I.D. INSIDE DIAMETER</p> <p>INSUL. INSULATION</p> <p>INT. INTERIOR</p> <p>J. JOINT</p> <p>L. LEAD</p> <p>LAM. LAMINATED</p> <p>LAD. LADDER</p> <p>(M) MALE</p> <p>MACH. MACHINE</p> <p>MATL. MATERIAL</p> <p>MED. MECHANICAL</p> <p>MAX. MAXIMUM</p> <p>MEL. MELT</p> <p>MET. METAL</p> <p>M.M. MIRROR</p> <p>M.S. METAL SHEET</p> <p>M.A.TILE METAL ACQUASTICAL TILE</p> <p>M.D.C. MILD STEEL</p> <p>M.D.C. MAIN DISTRIBUTOR FRAME</p> <p>N. NORTH</p> <p>N.O. NUMBER</p> <p>N.I.C. NOT IN CONTRACT</p> <p>N.T.S. NOT TO SCALE</p> <p>O.C. OFF CENTRE</p> <p>O.D. OUTSIDE DIAMETER</p> <p>O.H. OVERHEAD</p> <p>P. PAINT</p> <p>P.C. PRECAST CONCRETE</p> <p>PL. PLATE</p> <p>PLAS. PLASTER</p> <p>P.L.V.D. PLYWOOD</p> <p>P.O.L. POLISHED</p> <p>F.P.P.T.C. FIRE PROTECTION</p> <p>PORCT. PORCELAIN TILE</p> <p>P.S. PIPE SHAFT</p> <p>P.P. PARTITION</p> <p>P.V.C. POLY VINYL CHLORIDE</p> <p>P.H.G. PENTHOUSE FLOOR LEVEL</p> <p>P.H.R. PENTHOUSE ROOF</p> <p>R.C. REINFORCED CONCRETE</p> <p>R.D. ROOF DRAIN</p> <p>R.F. ROOF FLOOR</p> <p>R.N. ROOM</p> <p>R.S. RESILIENT</p> <p>R.L. RAIN LEADER</p> <p>S. SCALE</p> <p>S.D. STEEL DOOR</p> <p>SEC. SECTION</p> <p>SH. SHEET</p> <p>S.P.E.C.S. SPECIFICATIONS</p> <p>SQ. SQUARE</p> <p>SS. STAINLESS STEEL</p> <p>SSD. STAINLESS STEEL DOOR</p> <p>SSW. STAINLESS STEEL WINDOW</p> <p>ST. STAIRCASE</p> <p>STL. STEEL</p> <p>STOR. STORAGE</p> <p>STRUCT. STRUCTURAL</p> <p>SUSP. SUSPENSOR</p> <p>SW. STEEL WINDOW</p> <p>SP.W.C. SPRAYED WHITE CEMENT</p> <p>STK. STONE</p> <p>T. THICK</p> <p>TEL. TELEPHONE</p> <p>T.V. TELEVISION</p> <p>TEPR. TERRAZZO</p> <p>T.F. TYPICAL FINISH</p> <p>TYP. TYPICAL</p> <p>T.B. TERRAZZO BLOCK</p> <p>U.G.C.T. UNGLAZED CERAMIC TILE</p> <p>U.N.O. UNLESS NOTED OTHER WISE</p> <p>VERT. VERTICAL</p> <p>V.A.T. VINYL ASBESTOS TILE</p> <p>V.E.P. VINYL EMULSION PAINT</p> <p>V.B. VENT BLOCK</p> <p>W. WIDTH</p> <p>W.D. WOODEN DOOR</p> <p>W/G. WIRE GLASS</p> <p>W.C. WATER CLOSET</p> <p>W.P. WATERPROOFING</p> <p>WT. WEIGHT</p> <p>W.W. WINDOW</p> <p>W.O. WOOD</p> <p>W.L. WALL</p>													
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<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>JRATUNGBURA FLOOD CONTROL PROJECT COMPONENT : UMBAH DRAINAGE SYSTEM IMPROVEMENT BARU PUMPING STATION COMPLEX GENERAL ABBREVIATION & SYMBOL</p>		<p>PROJECT NAME FLOOD CONTROL, UMBAH DRAINAGE AND WATER RESOURCES DEVELOPMENT IN SEMARANG IN THE REPUBLIC OF INDONESIA</p>
<p>JAPAN INTERNATIONAL COOPERATION AGENCY CI ENGINEERING CO., LTD. IN ASSOCIATION WITH PACIFIC CONSULTANTS RETNAMA (INDONESIA) AND PACIFIC INTERNATIONAL INC.</p>		<p>DISTRICT SEMARANG CITY</p>
<p>DESIGNED CHECKED</p>		<p>DRAWING NO. A3-001 U-PS-P-84-02 SHEET NO. 84</p>
<p>DATE</p>		<p>DATE CONTRACT NO.</p>
<p>CHIEF OF PLANNING AND DESIGN PROJECT MANAGER</p>		<p>DATE CONTRACT NO.</p>

NO.	DATE	REVISIONS	ORIGINATED	DESIGNED	APPROVED

EXTERIOR FINISH SCHEDULE

EXTERIOR FINISH SCHEDULE FOR CONTROL OFFICE
BARU PUMPING STATION

ITEMS	
ROOF :	
MAIN ROOF	CERAMIC TILE ROOF
VALLEY	COLORBOND METAL SHEET SIMILAR COLOR WITH ROOF (CERAMIC TILE ROOF)
FASCIA	EXTERIOR WOOD PAINT FINISH ON BENGKIRAI WOOD
EXTERIOR WALL :	
WALL	TERRACOTA TILE 100x200 DOFF EXTERIOR PAINT FINISH ON CEMENT MORTAR TROWEL FINISH
COLUMN	TERRACOTA TILE 100x200 DOFF EXTERIOR PAINT FINISH ON CEMENT MORTAR TROWEL FINISH
BEAM	EXTERIOR PAINT FINISH ON CEMENT MORTAR TROWEL FINISH
CORRIDOR SKIRTING :	
EXTERNAL CORRIDOR	NON-SLIP, TEXTURED, CERAMIC TILE 300x300 GRAVE ABOVE THE GROUND
WINDOW AND DOOR :	
FRAME	ANODIZED ALUMINIUM FRAME
CEILING	EXTERIOR PAINT FINISH ON FIBER CEMENT
LOUVER	ANODIZED ALUMINIUM LOUVER
DOOR	ANODIZED ALUMINIUM DOOR FRAME W/ GLASS OR PAINTED PLYWOOD LEAVES WOODEN FRAME W/ PAINTED PLYWOOD LEAVES
WINDOW	ANODIZED ALUMINIUM WINDOW FRAME W/ GLASS LEAVES

EXTERIOR FINISH SCHEDULE FOR GARAGE
BARU PUMPING STATION

ITEMS	
ROOF :	
MAIN ROOF	CERAMIC TILE ROOF
FASCIA	EXTERIOR WOOD PAINT FINISH ON BENGKIRAI WOOD
EXTERIOR WALL :	
WALL	TERRACOTA TILE 100x200 DOFF EXTERIOR PAINT FINISH ON CEMENT MORTAR TROWEL FINISH
COLUMN	TERRACOTA TILE 100x200 DOFF EXTERIOR PAINT FINISH ON CEMENT MORTAR TROWEL FINISH
BEAM	EXTERIOR PAINT FINISH ON CEMENT MORTAR TROWEL FINISH
CORRIDOR SKIRTING :	
EXTERNAL CORRIDOR	NON-SLIP, TEXTURED, CERAMIC TILE 300x300 LIGHT CONCRETE FINISH W/ TEXTURED WATERPROOFING MORTAR TROWEL GRAVE ABOVE THE GROUND
WINDOW AND DOOR :	
FRAME	ANODIZED ALUMINIUM FRAME
CEILING	EXTERIOR PAINT FINISH ON FIBER CEMENT
LOUVER	ANODIZED ALUMINIUM LOUVER
DOOR	ANODIZED ALUMINIUM DOOR FRAME W/ PAINTED PLYWOOD LEAVES ANODIZED ALUMINIUM ROLLING DOOR
WINDOW	ANODIZED ALUMINIUM WINDOW FRAME W/ GLASS LEAVES


EXTERIOR FINISH SCHEDULE FOR STAFF HOUSE
BARU PUMPING STATION

ITEMS	
ROOF :	
MAIN ROOF	CERAMIC TILE ROOF
VALLEY	COLORBOND METAL SHEET SIMILAR COLOR WITH ROOF (CERAMIC TILE ROOF)
FASCIA	EXTERIOR WOOD PAINT FINISH ON BENGKIRAI WOOD
EXTERIOR WALL :	
WALL	TERRACOTA TILE 100x200 DOFF EXTERIOR PAINT FINISH ON CEMENT MORTAR TROWEL FINISH
COLUMN	TERRACOTA TILE 100x200 DOFF EXTERIOR PAINT FINISH ON CEMENT MORTAR TROWEL FINISH
BEAM	EXTERIOR PAINT FINISH ON CEMENT MORTAR TROWEL FINISH
CORRIDOR SKIRTING :	
EXTERNAL CORRIDOR	NON-SLIP, TEXTURED, CERAMIC TILE 300x300 GRAVE ABOVE THE GROUND
WINDOW AND DOOR :	
FRAME	ANODIZED ALUMINIUM FRAME
CEILING	EXTERIOR PAINT FINISH ON FIBER CEMENT
LOUVER	ANODIZED ALUMINIUM LOUVER
DOOR	ANODIZED ALUMINIUM DOOR FRAME W/ GLASS OR PAINTED PLYWOOD LEAVES WOODEN FRAME W/ PAINTED PLYWOOD LEAVES
WINDOW	ANODIZED ALUMINIUM WINDOW FRAME W/ GLASS LEAVES

EXTERIOR FINISH SCHEDULE FOR PUMPING HOUSE
BARU PUMPING STATION

ITEMS	
ROOF :	
MAIN ROOF	CERAMIC TILE ROOF
FASCIA	EXTERIOR WOOD PAINT FINISH ON BENGKIRAI WOOD
EXTERIOR WALL :	
WALL	EXTERIOR PAINT FINISH ON CEMENT MORTAR TROWEL FINISH
COLUMN	EXTERIOR PAINT FINISH ON CEMENT MORTAR TROWEL FINISH
BEAM	EXTERIOR PAINT FINISH ON CEMENT MORTAR TROWEL FINISH
CORRIDOR SKIRTING :	
EXTERNAL CORRIDOR	LIGHT CONCRETE FINISH W/ TEXTURED WATERPROOFING MORTAR TROWEL
WINDOW AND DOOR :	
FRAME	STEEL FRAME FINISH W/ PAINT
CEILING	EXTERIOR PAINT FINISH ON PLYWOOD
DOOR	STEEL DOOR FINISH W/ PAINT

NO	DATE	REVISIONS	ORIGINATED	DESIGNED	APPROVED	APPROVED

 <p style="text-align: center;">THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT</p>		PROVINCE CENTRAL JAVA
<p style="text-align: center;">KATUNGSILUMA FLOOD CONTROL PROJECT COMPONENT : URBAN DRAINAGE SYSTEM IMPROVEMENT BARU PUMPING STATION COMPLEX EXTERIOR FINISH SCHEDULE</p>		PROJECT NAME KATUNGSILUMA FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT IN SUBURBAN OF THE REPUBLIC OF INDONESIA
<p style="text-align: center;">JAPAN INTERNATIONAL COOPERATION AGENCY CI (NON-GRANT) COLLOID IN ASSOCIATION WITH PACIFIC CONSULTANTS INTERNATIONAL (PACIC) PACIC INTERNATIONAL ETC.</p>		DISTRICT SEMARANG CITY
<p style="text-align: center;">DESIGNED CHECKED</p>		DRAWING NO AS-100-U-PS-P-66-05
<p style="text-align: center;">CHIEF OF PLANNING AND DESIGN PROJECT MANAGER</p>		SHEET NO. 85
<p style="text-align: center;">DATE</p>		CONTRACT NO.

INTERIOR FINISH SCHEDULE

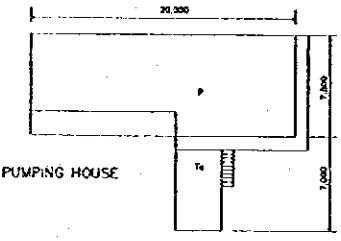
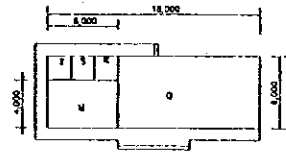
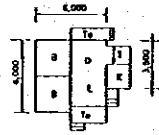
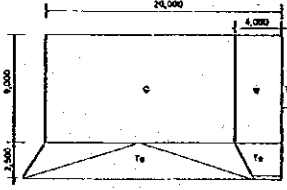
BARU PUMPING STATION

BARU PUMPING STATION		FLOOR	BASE	WALL	CEILING	ACCESSORIES	CEILING HEIGHT
		CERAMIC TILE 300 mm x 300 mm CERAMIC TILE (NON SLIP) 300 mm x 300 mm CERAMIC TILE (NON SLIP) 200 mm x 200 mm CONCRETE W/ MORTAR FIN	MORTAR TROWEL FIN. W/ PAINT MORTAR TROWEL FIN. BASE W/ WATER RESISTANT PAINT MORTAR TROWEL FIN. BASE W/ WATER RESISTANT PAINT OVER LAVATORY RAYBAND GLASS HEIGHT 100 mm	MORTAR TROWEL FIN. W/ PAINT CERAMIC TILE 200 mm x 200 mm TIMBER SKIRTING 900 HEIGHT	GYPSUM BOARD W/ PAINT W/ WOODEN FRAME MINERAL ACOUSTIC TILE 600 mm x 600 mm W/ STRIPE FIGURED PIPE FIBRE CEMENT BOARD W/ WOODEN FRAME W/ PAINT	COUNTER DESK MIRROR ABOVE THE WASTAFEL UNDER FLOOR DUCTING AIR CONDITION	
ROOM NUMBER	ROOM NAMES						
PUMPING HOUSE							
1	PUMPING ROOM						NO CEILING
2	TERRACE						NO CEILING
3	RAMP						NO CEILING
4	STAIRS						NO CEILING
GARAGE							
1	GARAGE						4200
2	WORK SHOP						4200
3	TERRACE						
4	STAIRS						
5	RAMP						
CONTROL OFFICE							
1	OFFICE						3000
2	MEETING ROOM						3000
3	PANTRY						2800
4	STORAGE						2800
5	TOILET						2760
6	TERRACE						2760
7	STAIRS						
STAFF HOUSE							
1	LIVING ROOM						3000
2	DINING ROOM						3000
3	KITCHEN						2800
4	TOILET						2800
5	BED ROOM 1						3000
6	BED ROOM 2						3000
7	TERRACE						2600

NO	DATE	REVISIONS	EXAMINATED	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
JATUNIBLUNA FLOOD CONTROL PROJECT COMPONENT : URBAN DRAINAGE SYSTEM IMPROVEMENT BARU PUMPING STATION COMPLEX INTERIOR FINISH SCHEDULE		PROJECT NAME FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT IN SEMARANG BY THE REPUBLIC OF INDONESIA
JICA INTERNATIONAL COOPERATION AGENCY CITI ENGINEERING CO., LTD. (AFFILIATION WITH PACIFIC CONSULTANTS INTERNATIONAL AND PACO IN THE REPUBLIC OF INDONESIA)		DISTRICT SEMARANG CITY
DESIGNED CHECKED CHIEF OF PLANNING AND DESIGN PROJECT MANAGER		DRAWING NO. AS-101 U-P3-P-04-04 SHEET NO. 66
APPROVED		DATE CONTRACT NO.

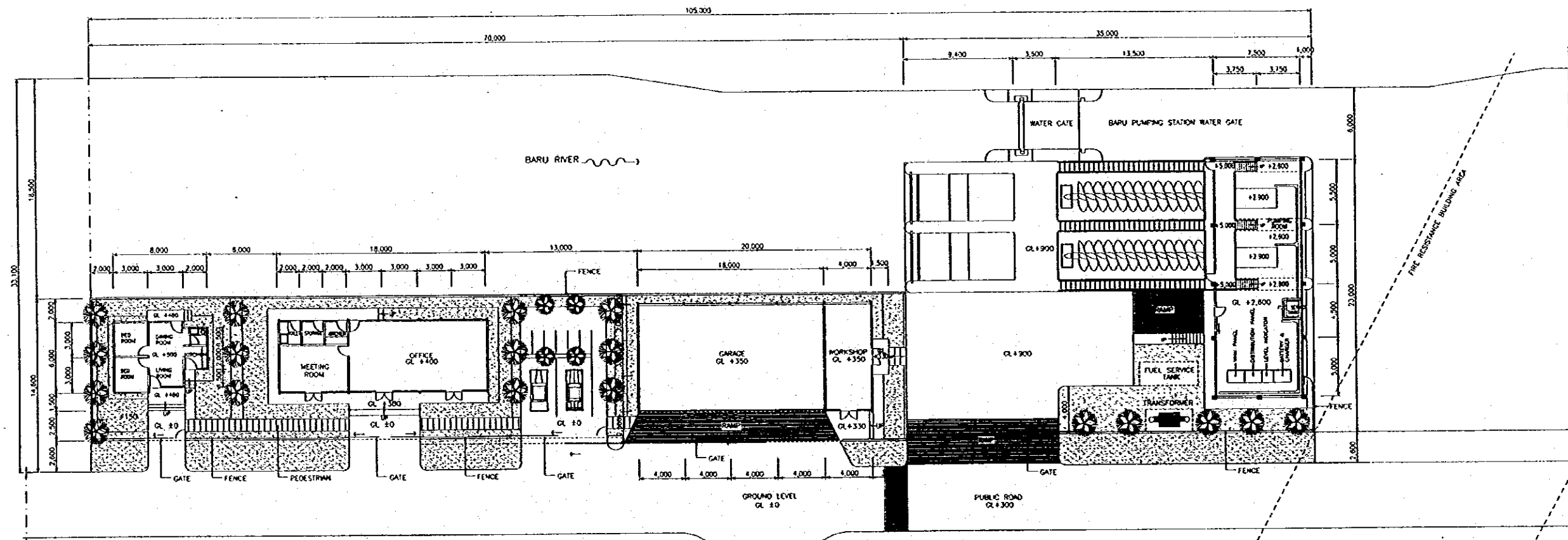
FLOOR AREA TABLE

PUMPING HOUSE					CONTROL OFFICE				
									
CODE		FLOOR AREA			CODE		FLOOR AREA		
1	P	PUMPING ROOM	7,500x20,000	150,000 M2	1	O	OFFICE ROOM	12,000x8,000	96,000 M2
2	Te	TERRACE	$((10,000 \times 1,000) + (7,500 \times 1,000)) / 3 =$	5,800 M2	2	M	MEETING ROOM	8,000x4,000	32,000 M2
3					3	K	KITCHEN	2,000x2,000	4,000 M2
4					4	S	STORAGE	2,000x2,000	4,000 M2
5					5	T	TOILET	2,000x2,000	4,000 M2
6					6	Te	TERRACE	$((2,000 \times 8,000) + (1,000 \times 13,000) + (8,000 \times 1,000) + (1,000 \times 9,000)) / 3 =$	13,600 M2
TOTAL		155,800 M2			TOTAL		121,000 M2		
									
CODE		FLOOR AREA			CODE		FLOOR AREA		
1	B	BED ROOM	2x3,000x3,000	18,000 M2	1	G	GARAGE ROOM	16,000x9,000	144,000 M2
2	D	DINING ROOM	(3,00x3,000)+(500x1,500)	9,750 M2	2	W	WORKSHOP ROOM	9,000x4,000	36,000 M2
3	L	LIVING ROOM	3,000x2,500	7,500 M2	3	Te	TERRACE	$((2,500 \times 21,000) + (1,500 \times 3,000)) / 3 =$	19,000 M2
4	F	TOILET	1,500x1,500	2,250 M2	4				
5	K	KITCHEN	2,000x2,000	4,000 M2	5				
6	Te	TERRACE	$((1,000 \times 1,250) + (1,000 \times 3,000) + (1,500 \times 900) + (300 \times 4,400)) / 3 =$	3,140 M2	6				
TOTAL		44,840 M2			TOTAL		199,000 M2		

GRAND TOTAL 521,190 M2

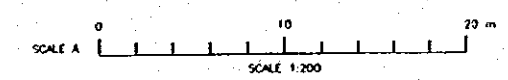
NO.	DATE	REVISIONS	ORIGINATED	DESIGNED	APPROVED

THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT		PROVINCE CENTRAL JAVA
MATUNSELIRI FLOOD CONTROL PROJECT COMPONENT : URBAN DRAINAGE SYSTEM IMPROVEMENT BARU PUMPING STATION COMPLEX FLOOR AREA TABLE		PROJECT NAME FLOOD CONTROL URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT OF SEMARANG BY THE REPUBLIC OF INDONESIA
JAPAN INTERNATIONAL COOPERATION AGENCY CITY ENGINEERING CO., LTD. IN ASSOCIATION WITH PACIFIC CONSULTANTS INTERNATIONAL, INC. JACO INTERNATIONAL, INC.		DISTRICT SEMARANG CITY
DESIGNED CHECKED DATE		DRAWING NO. AS-102 SHEET NO. 87
CHIEF OF PLANNING AND DESIGN PROJECT MANAGER		CONTRACT NO.



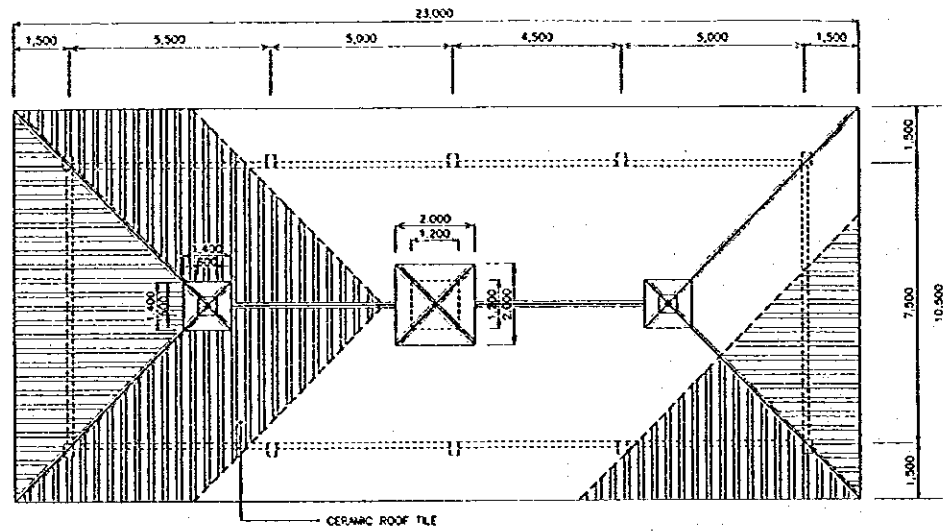
NOTES :
 CL +600 ARCHITECTURE LEVEL = GL +1,200 CIVIL LEVEL

SITE PLAN
 SCALE A

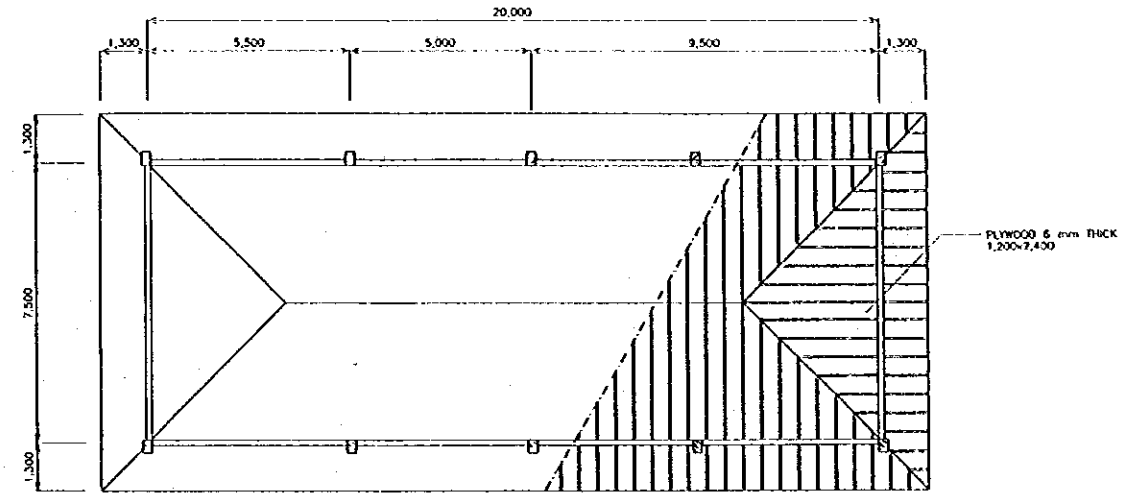


NO.	DATE	REVISIONS	ORIGINATED	DESIGNED	APPROVED

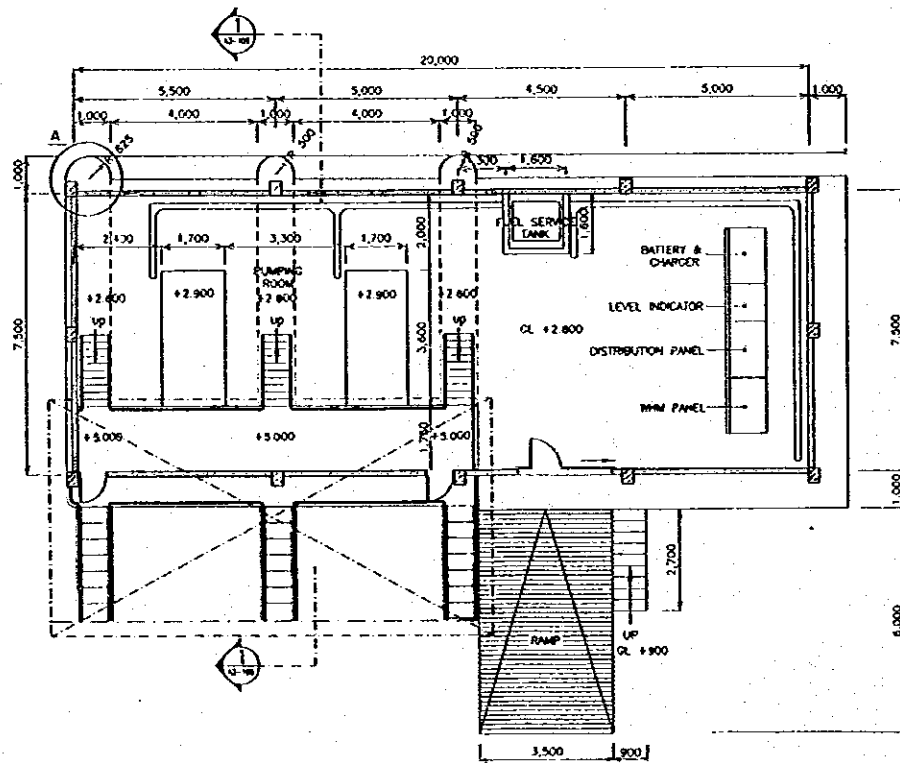
THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT		PROVINCE CENTRAL JAWA
RATUNGBELUNA FLOOD CONTROL PROJECT COMPONENT : URBAN DRAINAGE SYSTEM IMPROVEMENT BARU PUMPING STATION COMPLEX SITE PLAN		PROJECT NAME FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT BY SEMARANG IN THE REPUBLIC OF INDONESIA
JAPAN INTERNATIONAL COOPERATION AGENCY CO-OPERATION WITH PACIFIC CONSTRUCTION INTERNATIONAL, INC. JAWA INTERNATIONAL, INC.		DISTRICT SEMARANG CITY
DESIGNED <i>[Signature]</i> CHECKED <i>[Signature]</i> DATE	APPROVED CHIEF OF PLANNING AND DESIGN PROJECT MANAGER	DRAWING NO. A3-103 U-P3-P-86-6 SHEET NO. 6 B CONTRACT NO.



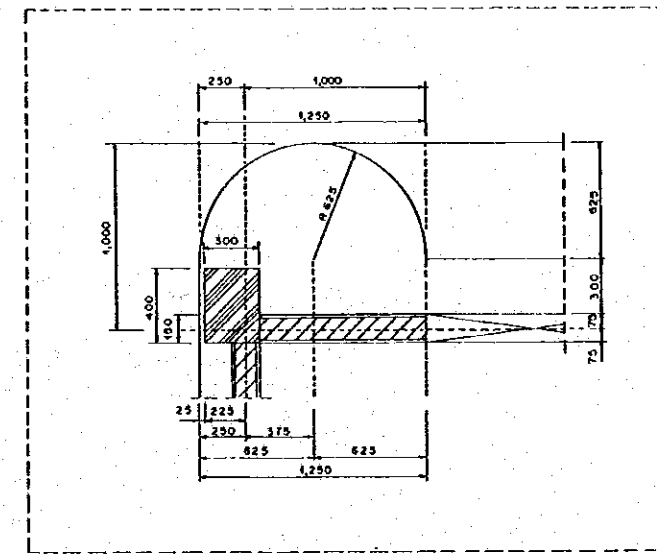
ROOF PLAN
SCALE A [A3/104]



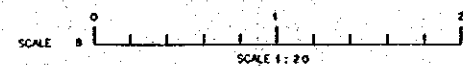
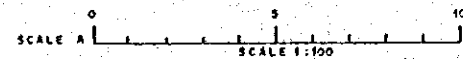
REFLECTED CEILING PLAN
SCALE A [A3/104]



NOTES :
1. BASE IS CIVIL WORK.
2. MARK IS CIVIL WORK.
FLOOR PLAN
SCALE A [A3/104]

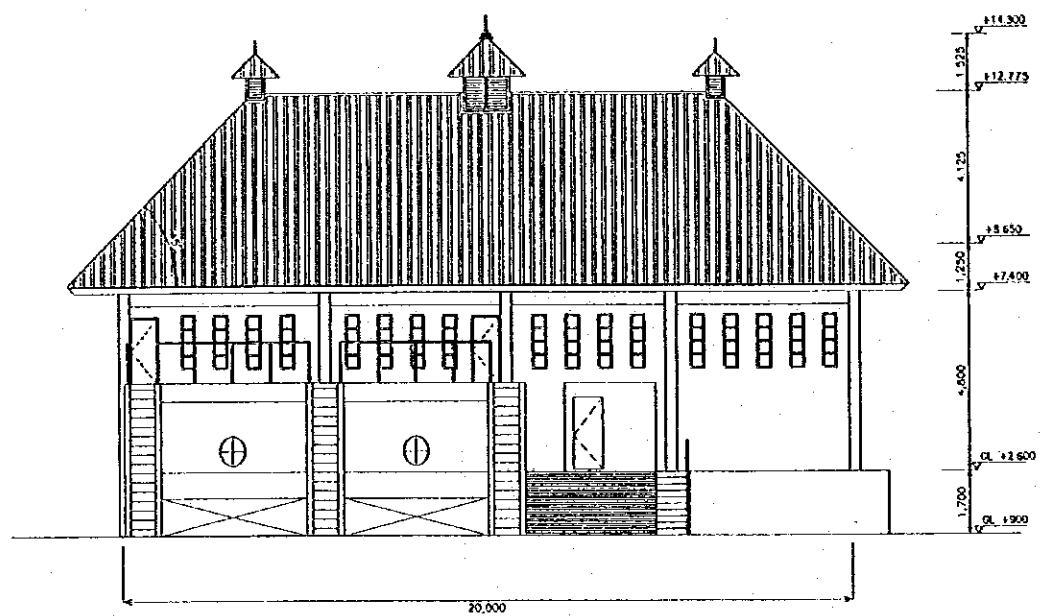


DETAIL A
SCALE B [A3/104]

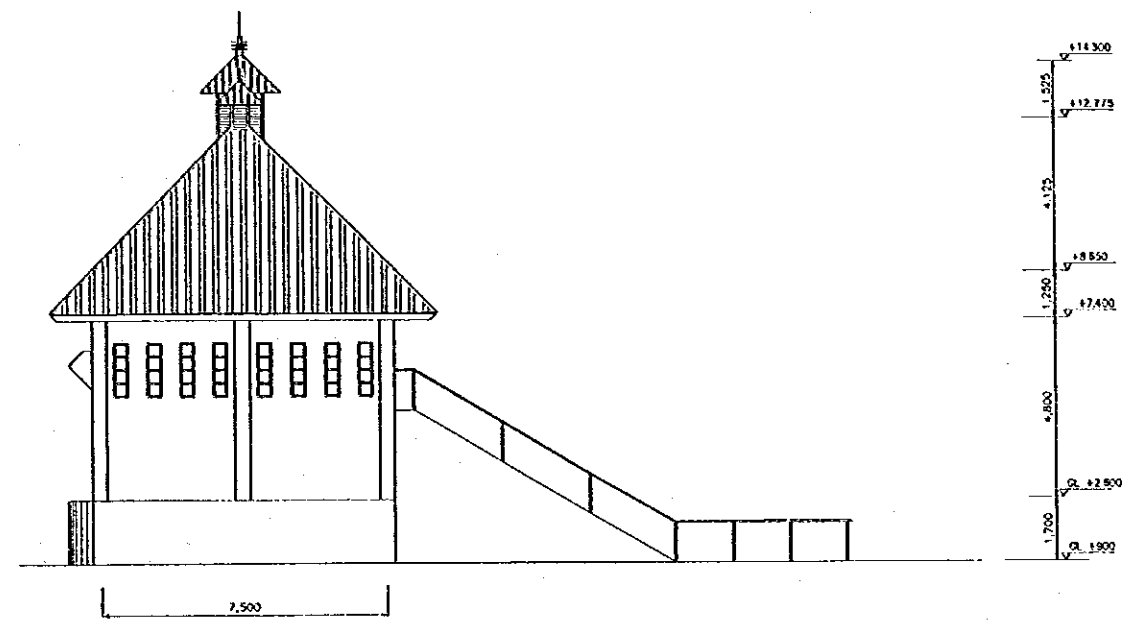


NO.	DATE	REVISIONS	ORIGINATED	DESIGNED	APPROVED	APPROVED

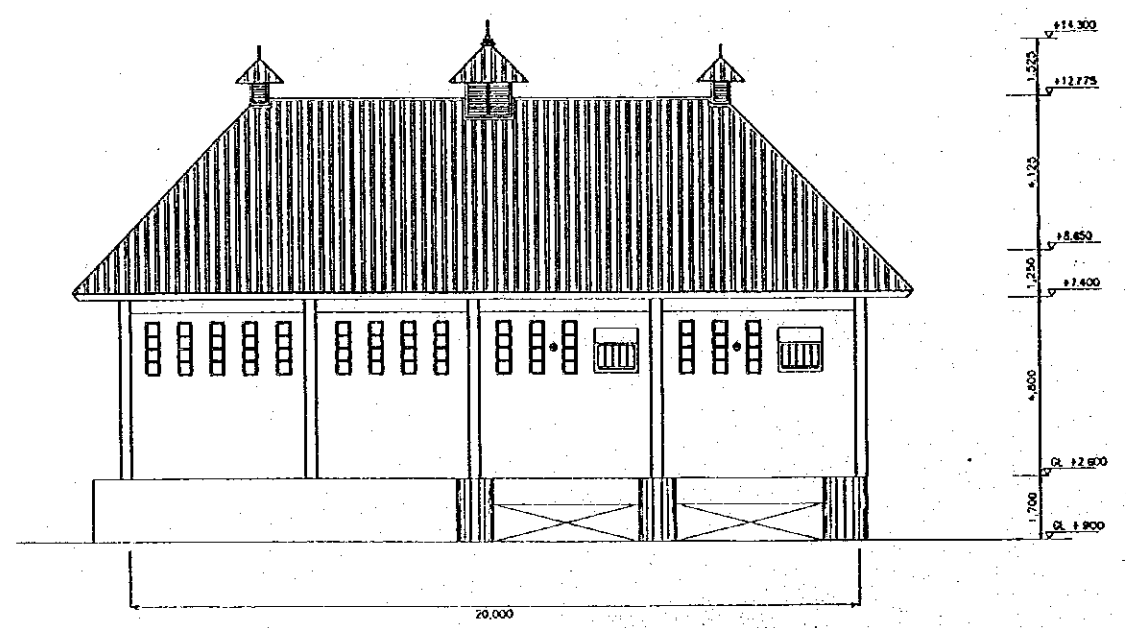
THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT		PROVINCE CENTRAL JAWA
IRATUNSELUNA FLOOD CONTROL PROJECT COMPONENT : URBAN DRAINAGE SYSTEM IMPROVEMENT BARU PUMPING STATION COMPLEX FLOOR PLAN, ROOF PLAN, CEILING PLAN & DETAIL PUMP CONTROL BUILDING		PROJECT NAME FLOOD CONTROL URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT OF SEMARANG BY THE REPUBLIC OF INDONESIA
JAPAN INTERNATIONAL COOPERATION AGENCY LTD. ENGINEERING CO. LTD. IN ASSOCIATION WITH PACIFIC CONSULTANTS INTERNATIONAL, INC. AND PANGLOSS INTERNATIONAL, INC.		DISTRICT SEMARANG CITY
CHECKED <i>[Signature]</i> CHIEF OF PLANNING AND DESIGN		DRAWING NO. A3-104 (U-P-2-P-8)-07 SHEET NO. 69
PROJECT MANAGER		DATE CONTRACT NO.



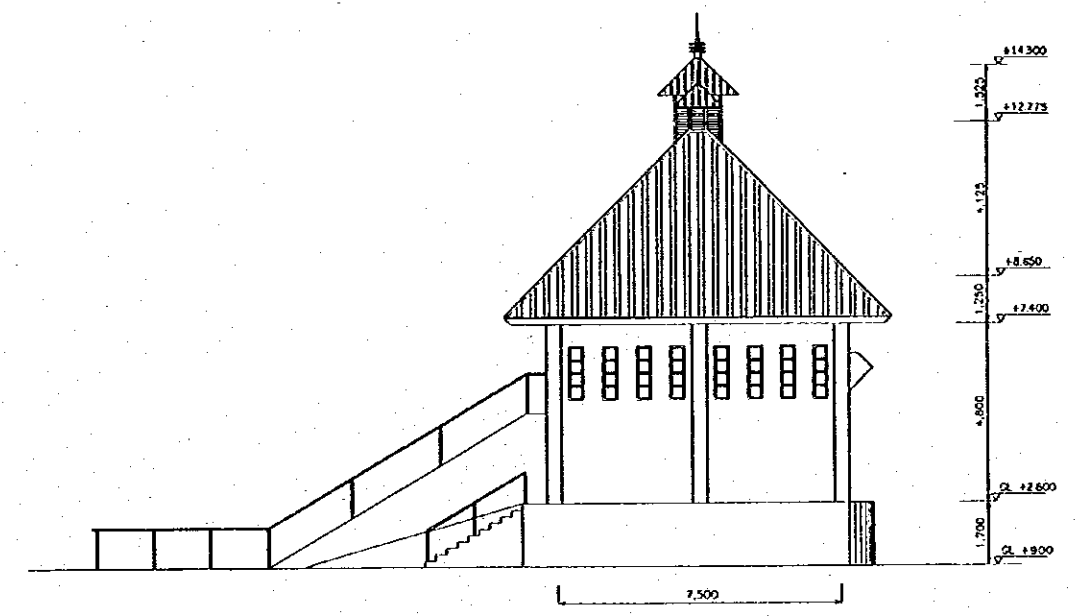
SOUTH ELEVATION
SCALE A A3/105



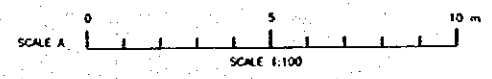
WEST ELEVATION
SCALE A A3/105



NORTH ELEVATION
SCALE A A3/105

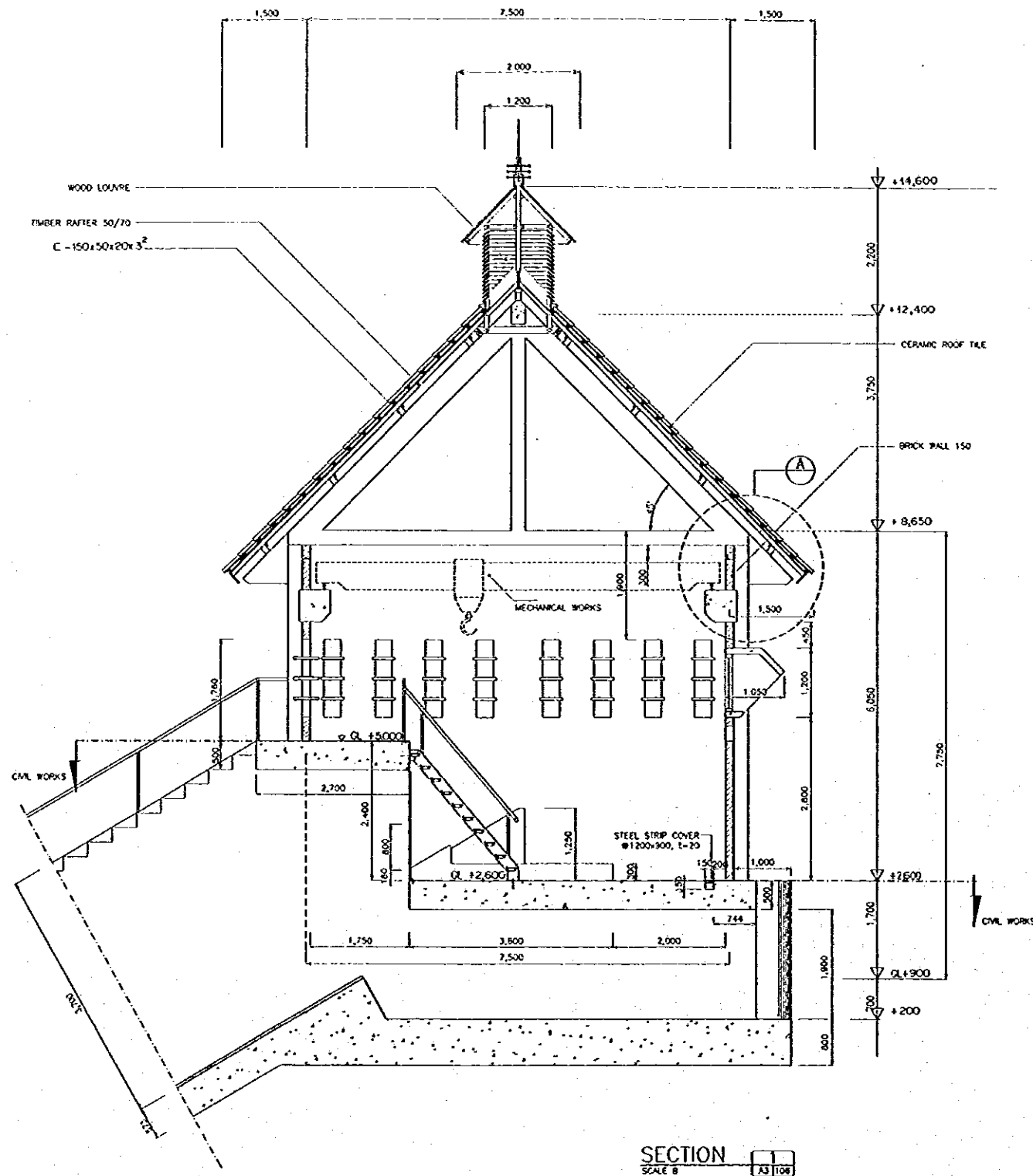


EAST ELEVATION
SCALE A A3/105

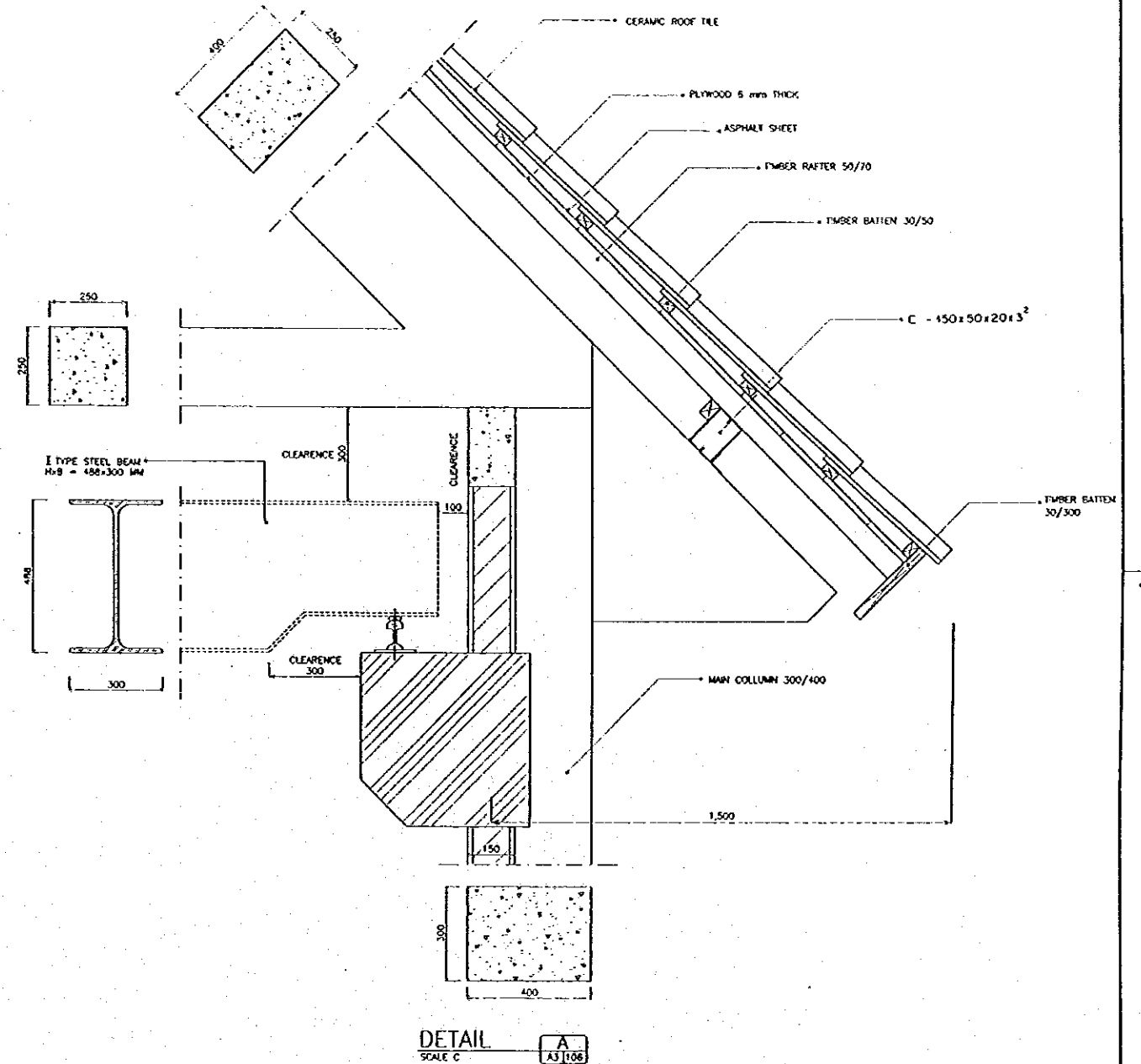


NO.	DATE	REVISIONS	COORDINATED	DESIGNED	APPROVED

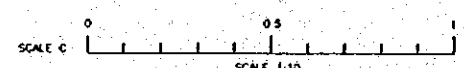
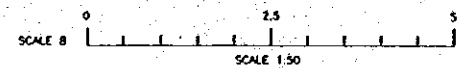
THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT		PROVINCE	
		CENTRAL JAWA	
RIATUNSELUMA FLOOD CONTROL PROJECT COMPONENT: URBAN DRAINAGE SYSTEM IMPROVEMENT BARU PUMPING STATION COMPLEX ELEVATION PUMP CONTROL BUILDING		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. & ASSOCIATES PTE PACIFIC CONSULTANTS INTERNATIONAL AND PAKCO 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.	A3-105 U-P & P-84-04
		SHEET NO.	70
DATE		CONTRACT NO.	



SECTION
SCALE B

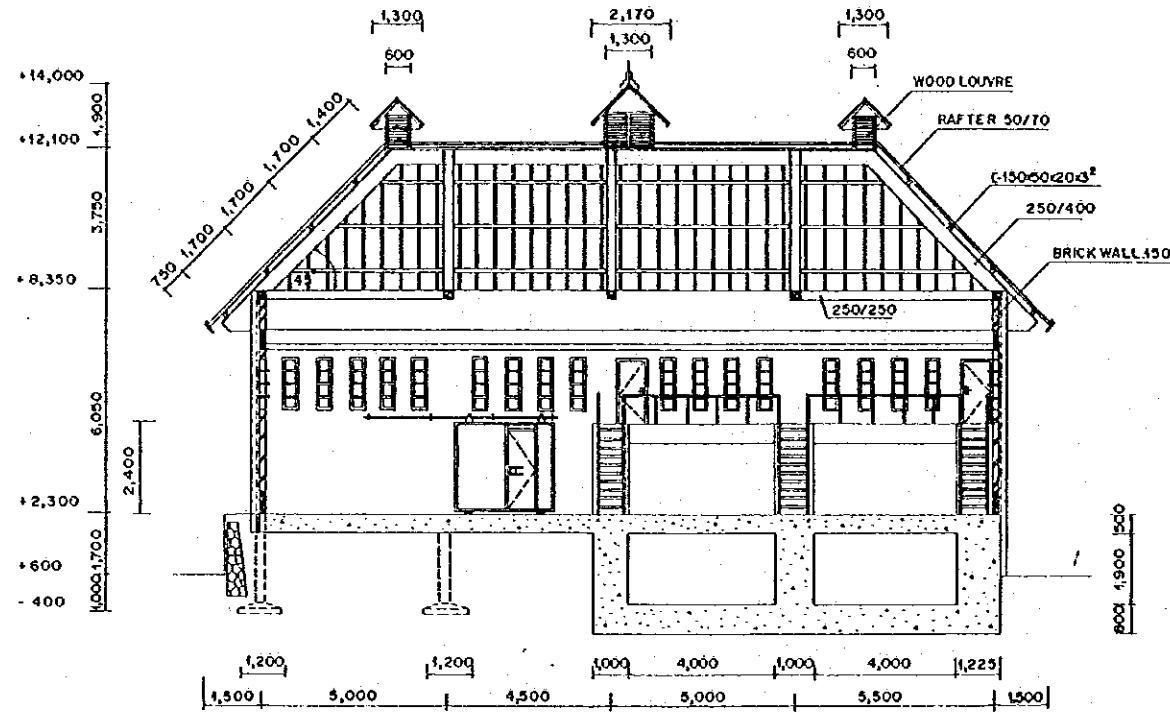


DETAIL
SCALE C

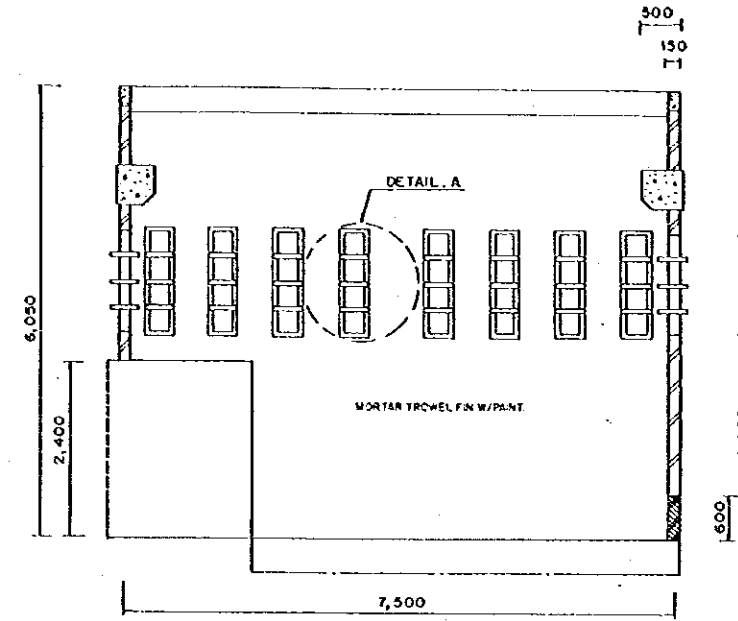


NO	DATE	REVISIONS	ORIGINATED	DESIGNED	APPROVED

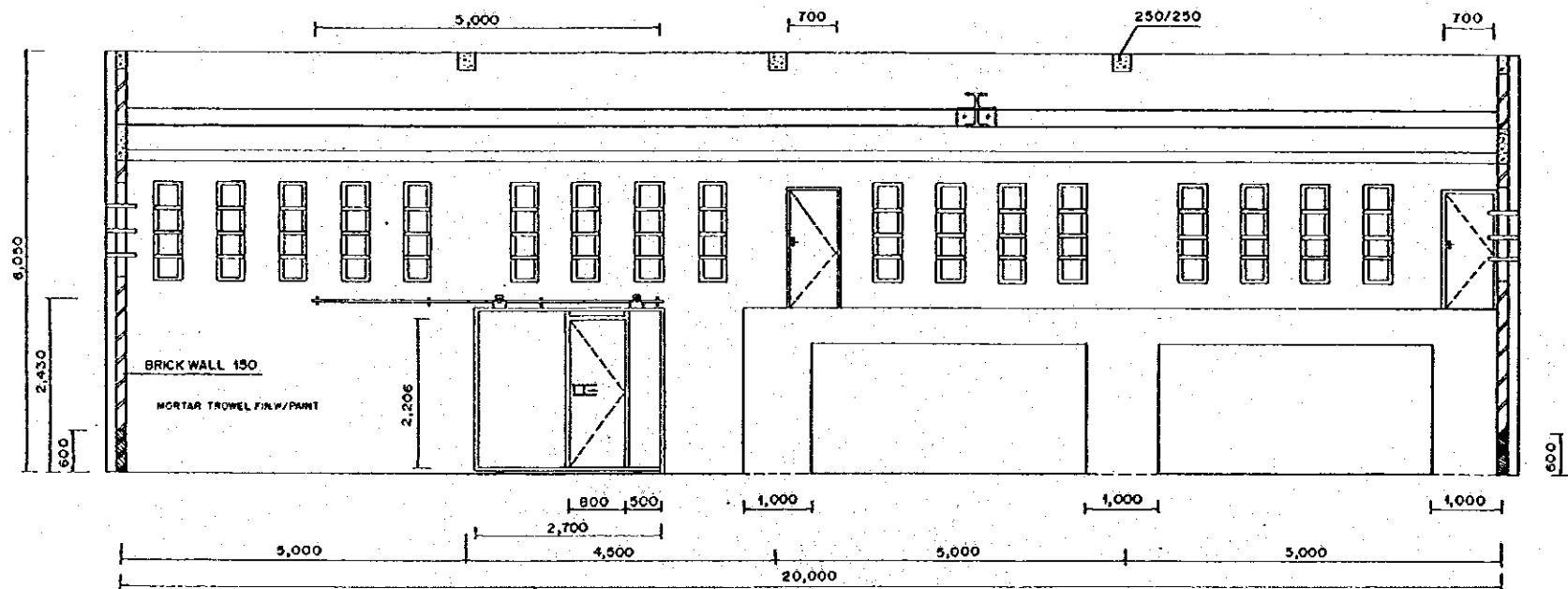
THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT		PROVINCE CENTRAL JAWA
JATUNSELUMA FLOOD CONTROL PROJECT COMPONENT : URBAN DRAINAGE SYSTEM IMPROVEMENT BARU PUMPING STATION COMPLEX SECTION 1-1 & DETAIL SECTION PUMP CONTROL BUILDING		PROJECT NAME FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT IN SEMARANG IN THE REPUBLIC OF INDONESIA
JAWA INTERNATIONAL COOPERATION CENTER PT. BANGUNAN COLTD. IN ASSOCIATION WITH PACIFIC CONSULTANTS INTERNATIONAL, INC. PAKEDJEN, WEST JAWA, INDONESIA		DISTRICT SEMARANG CITY
DESIGNED CHECKED		DRAWING NO. AS-106/UL-P3-P. No. 09 SHEET NO. 74
APPROVED PROJECT MANAGER		DATE CONTRACT NO.



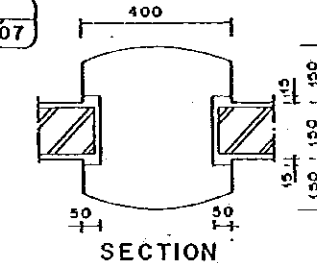
MAIN SECTION
SCALE .A



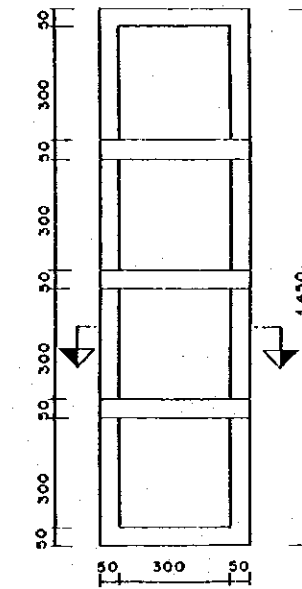
INTERIOR ELEVATION
SCALE .B



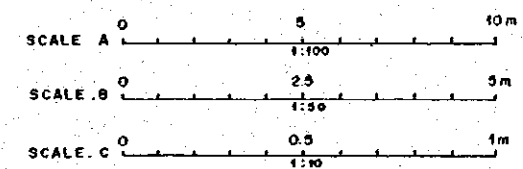
INTERIOR ELEVATION
SCALE .B



SECTION



DETAIL
SCALE .C



NO.	DATE	REVISIONS	DESIGNATED	DESIGNED	APPROVED

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

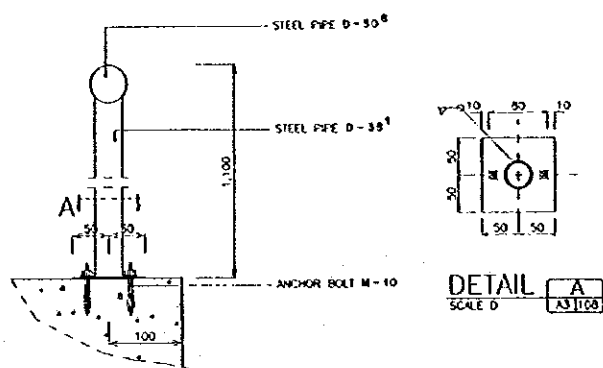
PROVINCE: CENTRAL JAWA
PROJECT NAME: FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT IN SEMARANG IN THE REPUBLIC OF INDONESIA
DISTRICT: SEMARANG CITY
DRAWING NO. AS-107 U-PS-P-04-00
SHEET NO. 72

REPUBLICAN FLOOD CONTROL PROJECT
COMPONENT: URBAN DRAINAGE SYSTEM IMPROVEMENT
BARU PUMPING STATION COMPLEX
SECTION II - II, INTERIOR ELEVATION & DETAIL
PUMP CONTROL BUILDING

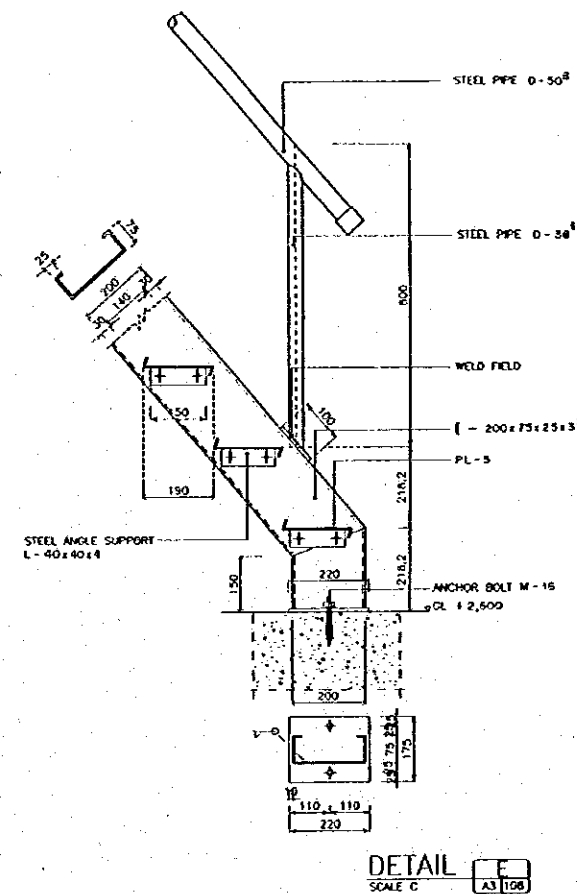
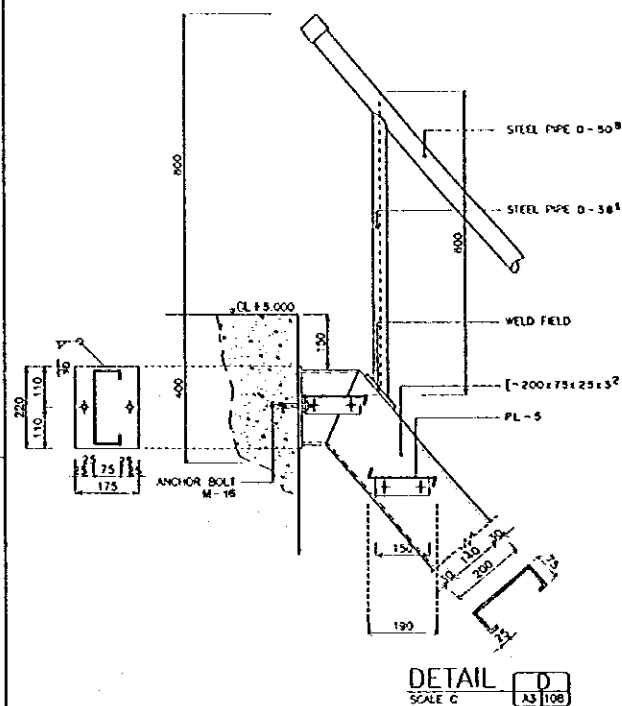
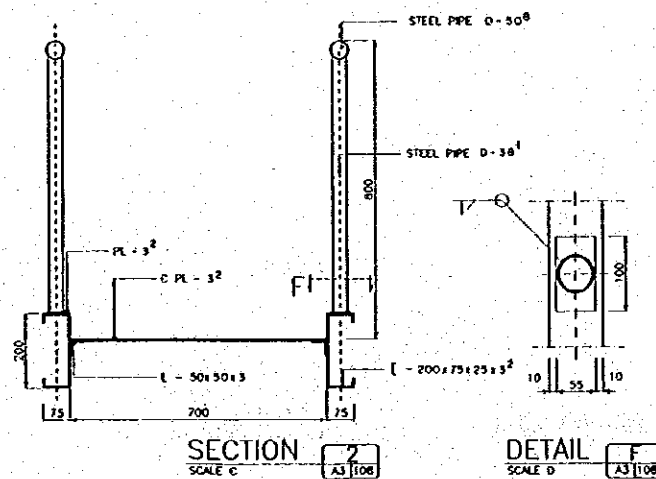
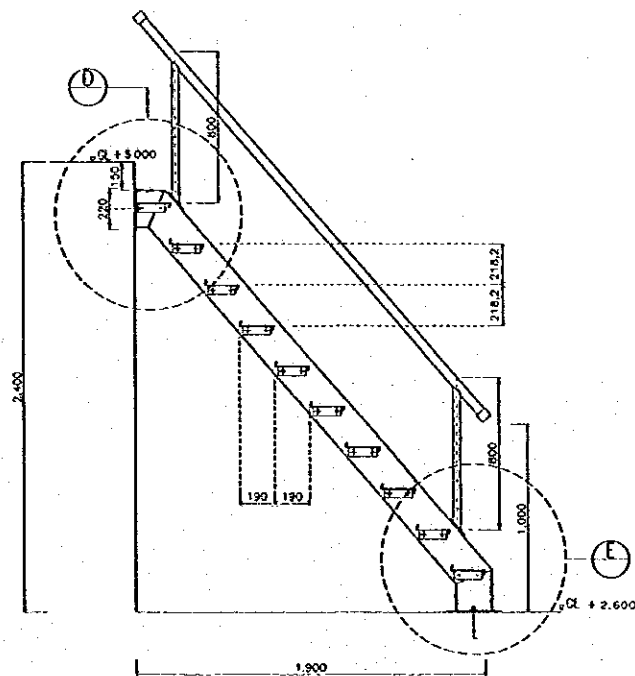
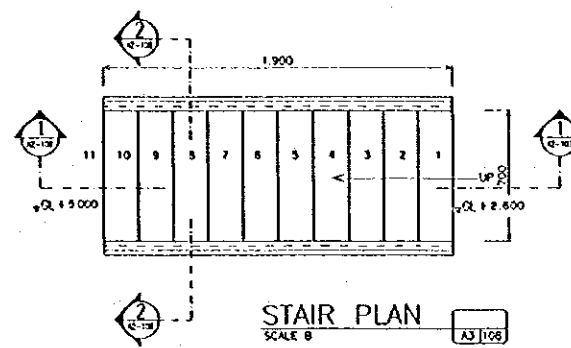
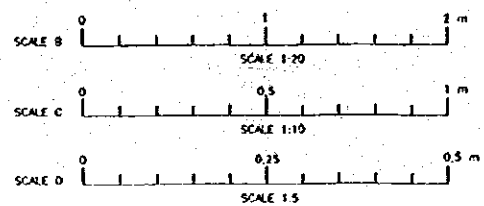
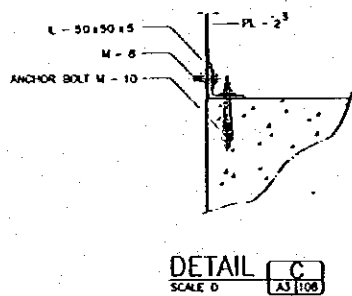
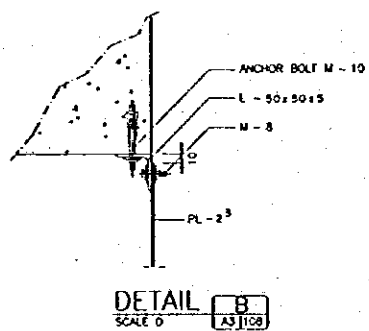
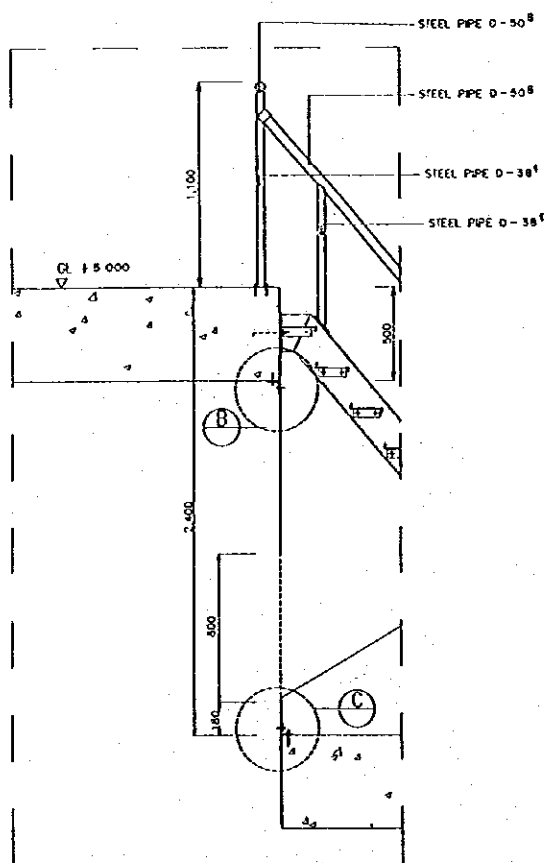
JAPAN INTERNATIONAL COOPERATION AGENCY
CTI ENGINEERING COLLECTIVE IN ARCHITECTURE
PACIFIC CONSULTANTS INTERNATIONAL AND
PACIFIC SYSTEMS TOTAL INC.

DESIGNED: [Signature]
CHECKED: [Signature]
DATE: [Blank]
CONTRACT NO. [Blank]

CHIEF OF PLANNING AND DESIGN
PROJECT MANAGER

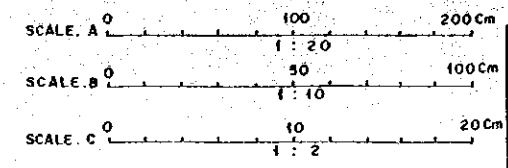
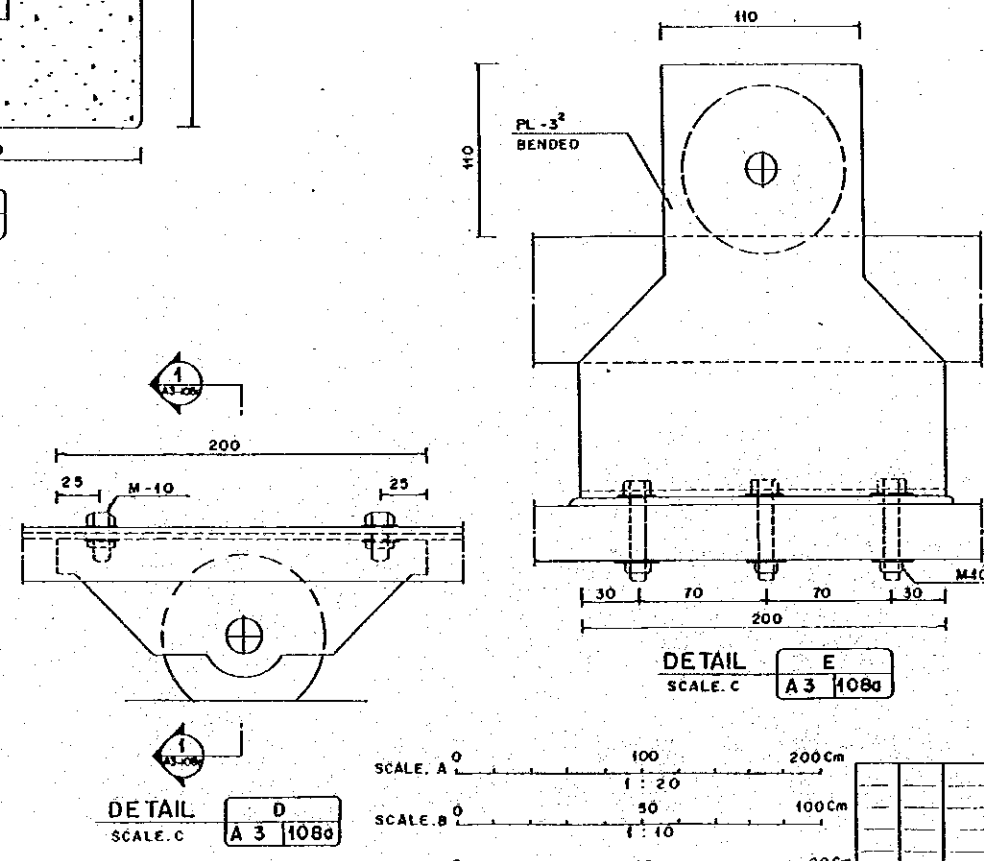
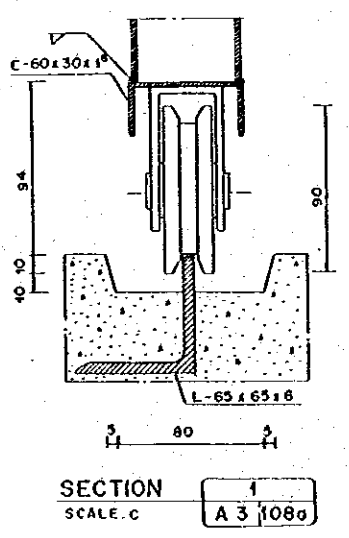
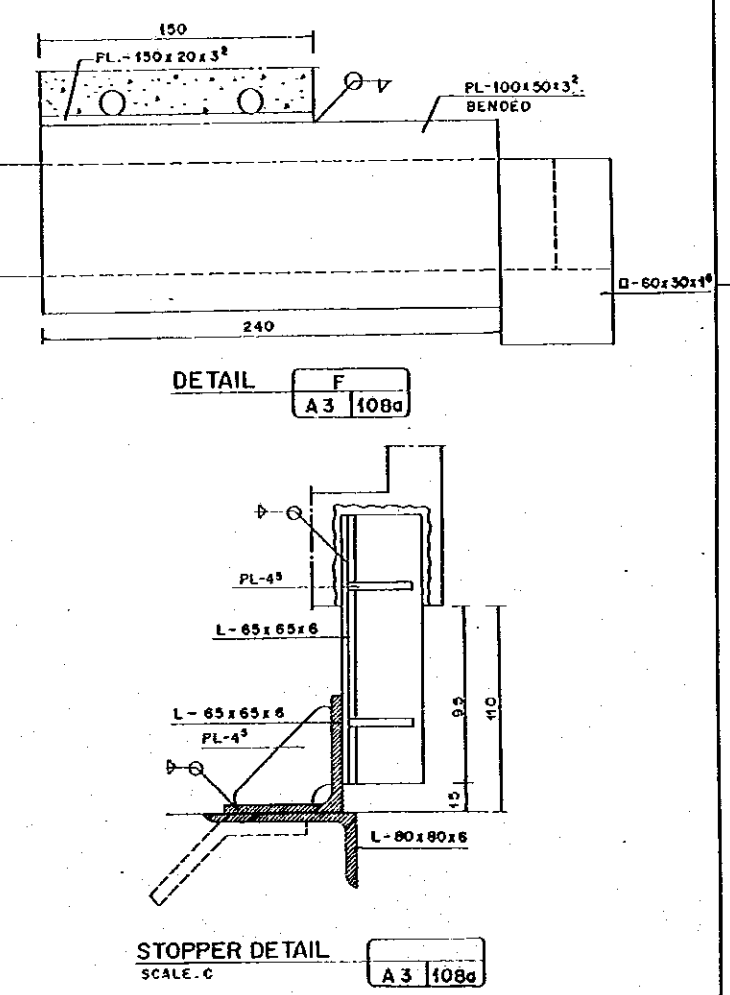
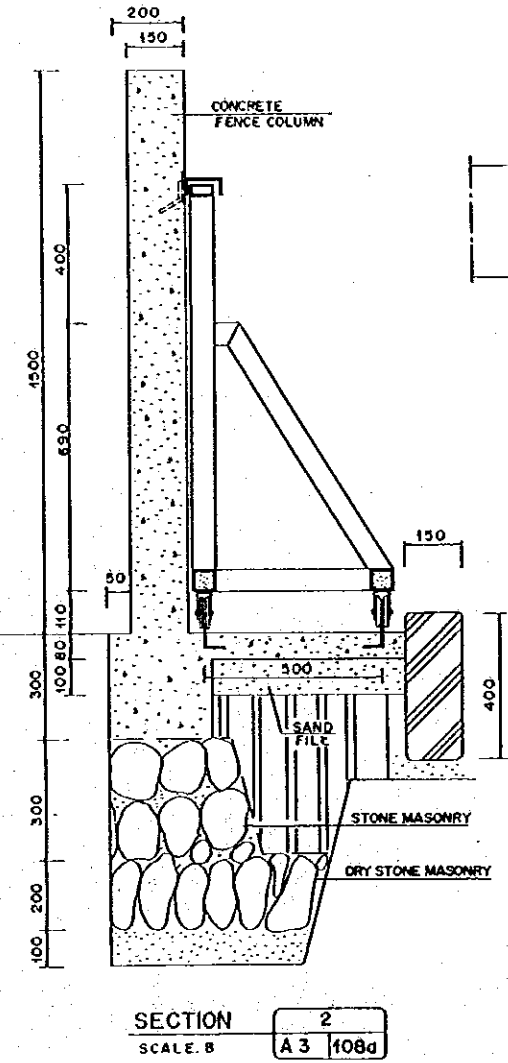
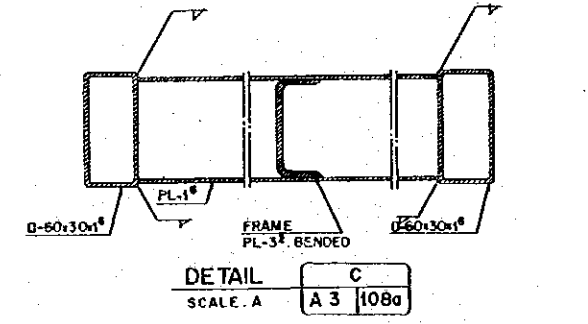
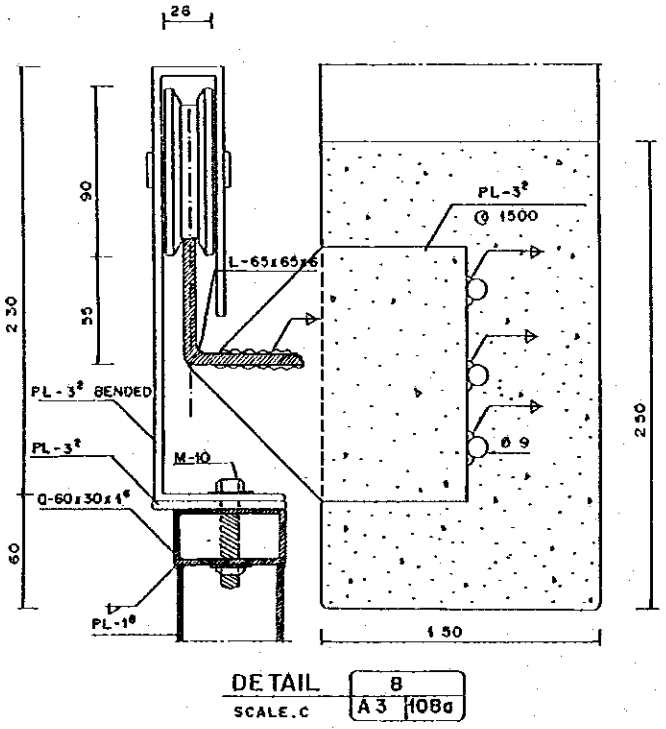
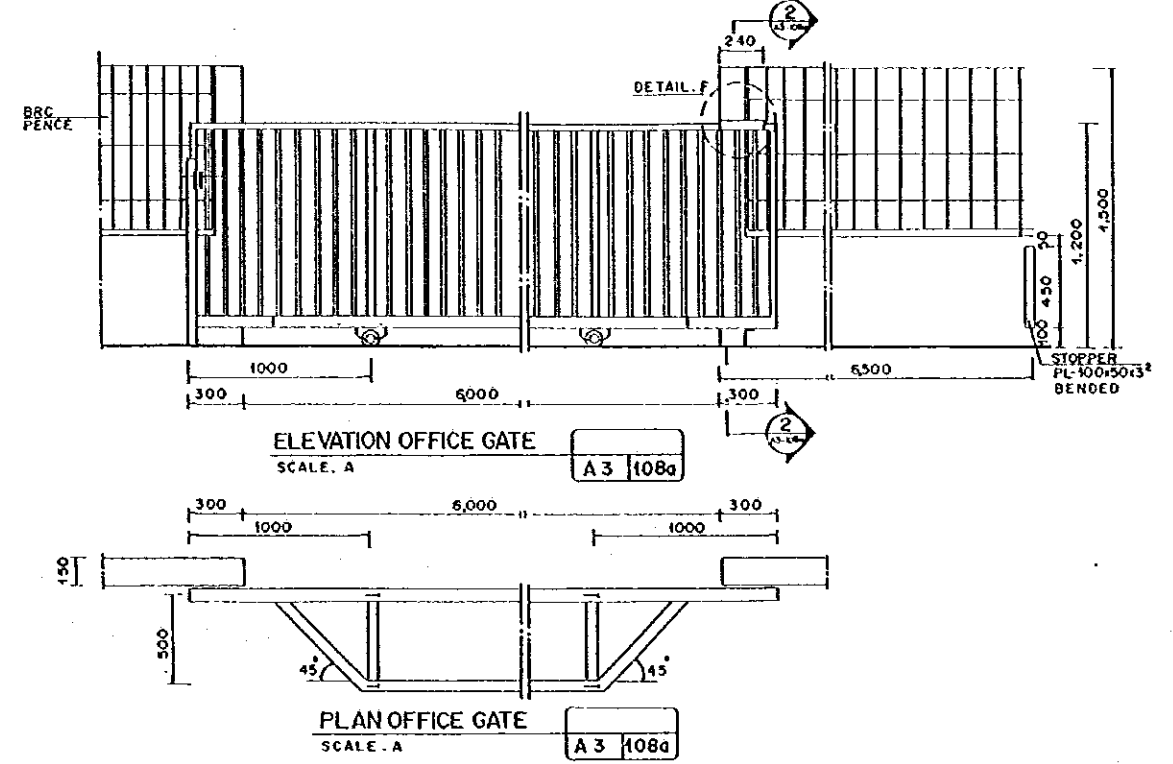
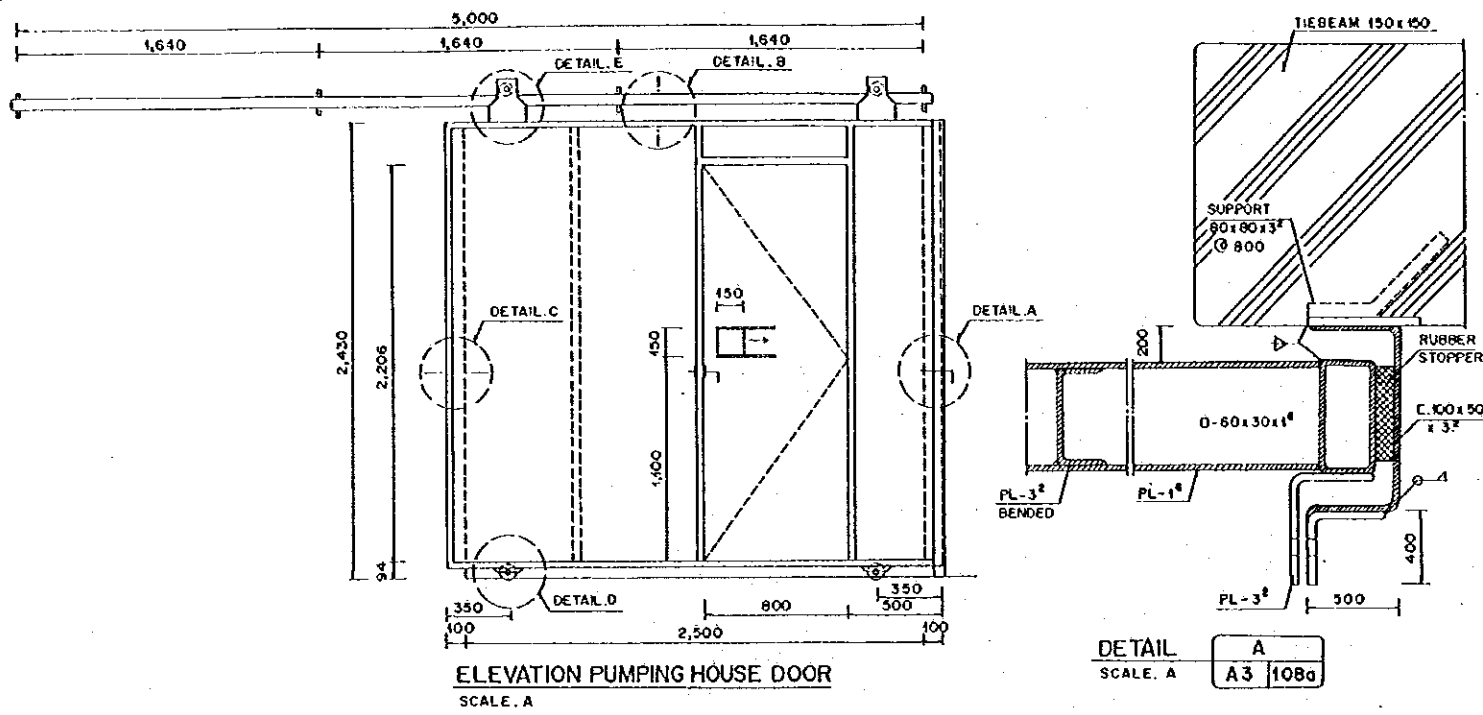


DETAIL RAILING
SCALE D

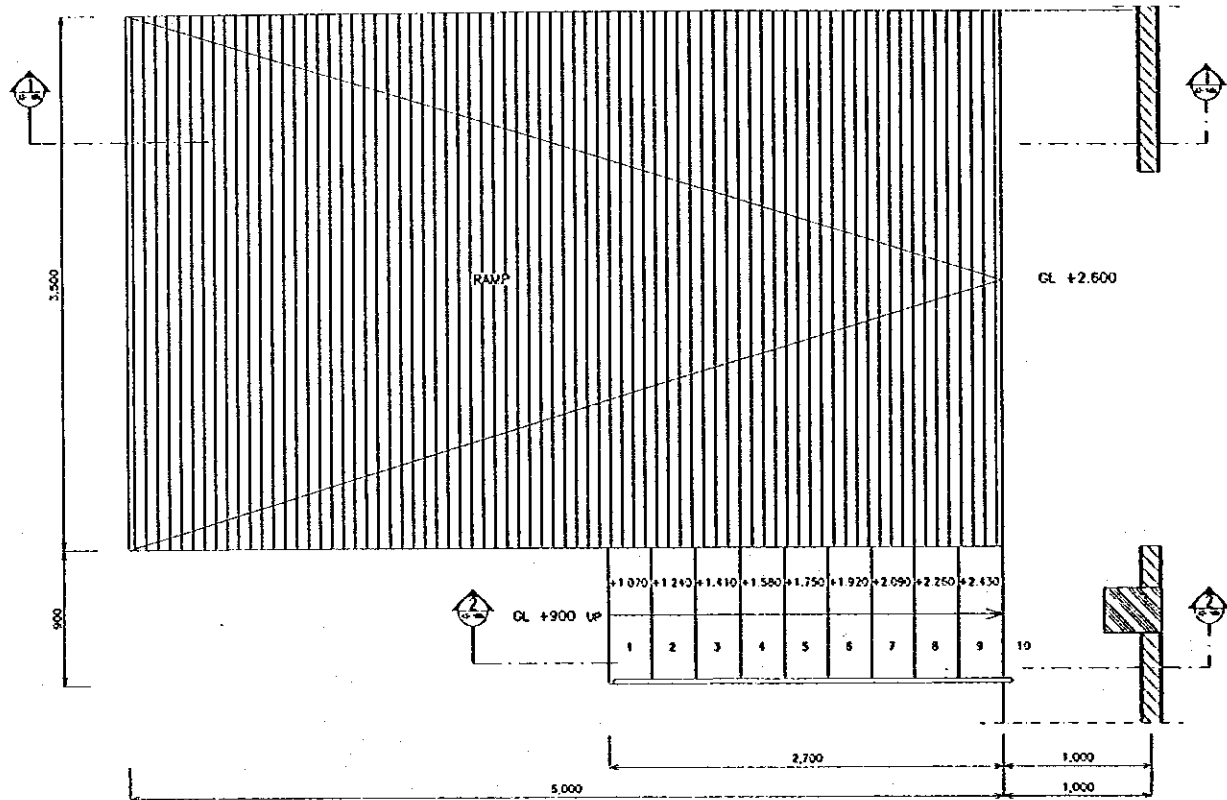


THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT		PROVINCE CENTRAL JAWA
TRATUNSELUNA FLOOD CONTROL PROJECT COMPONENT: URBAN DRAINAGE SYSTEM IMPROVEMENT BARU PUMPING STATION COMPLEX MISCELLANEOUS DETAIL 1 PUMP CONTROL BUILDING		PROJECT NAME FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCE DEVELOPMENT IN SEMARANG IN THE REPUBLIC OF INDONESIA
JAPAN INTERNATIONAL COOPERATION AGENCY CTE ENGINEERING CO., LTD. & ASSOCIATES INC. PACIFIC CONSULTANTS INTERNATIONAL AND PANGLOSS INTERNATIONAL INC.		DISTRICT SEMARANG CITY
DESIGNED CHECKED		DRAWING NO. A3-108 N. P. 8 - P. 8a-11 SHEET NO. 73
CHIEF OF PLANNING AND DESIGN PROJECT MANAGER		DATE CONTRACT NO.

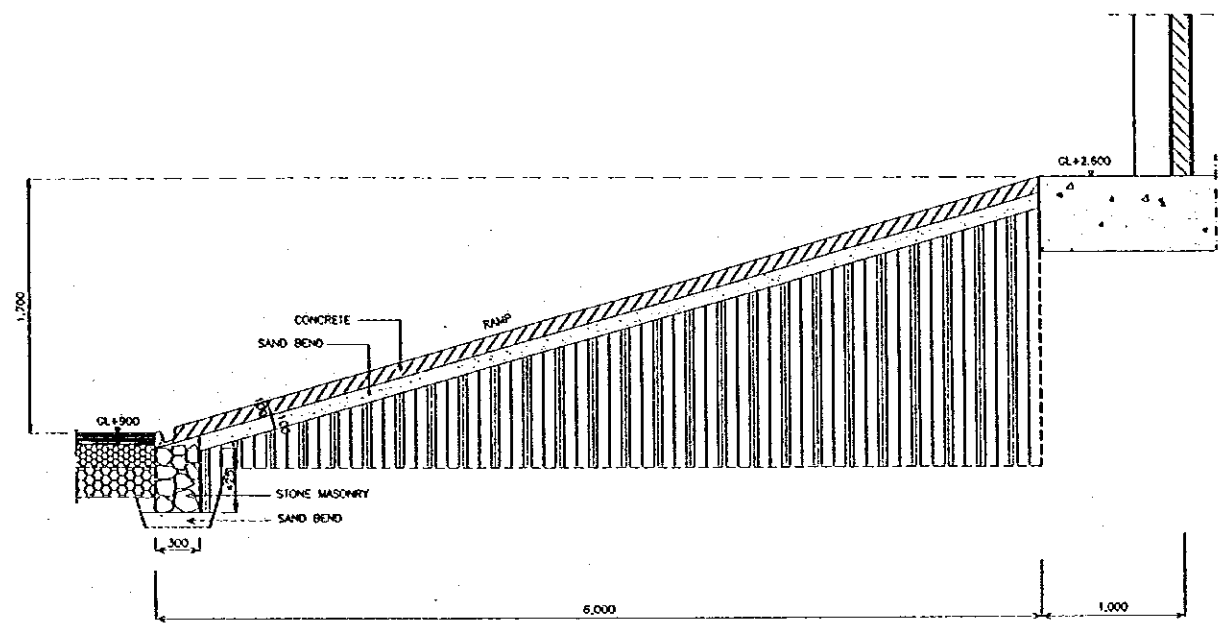
NO.	DATE	REVISIONS	OPERATED	DESIGNED	APPROVED



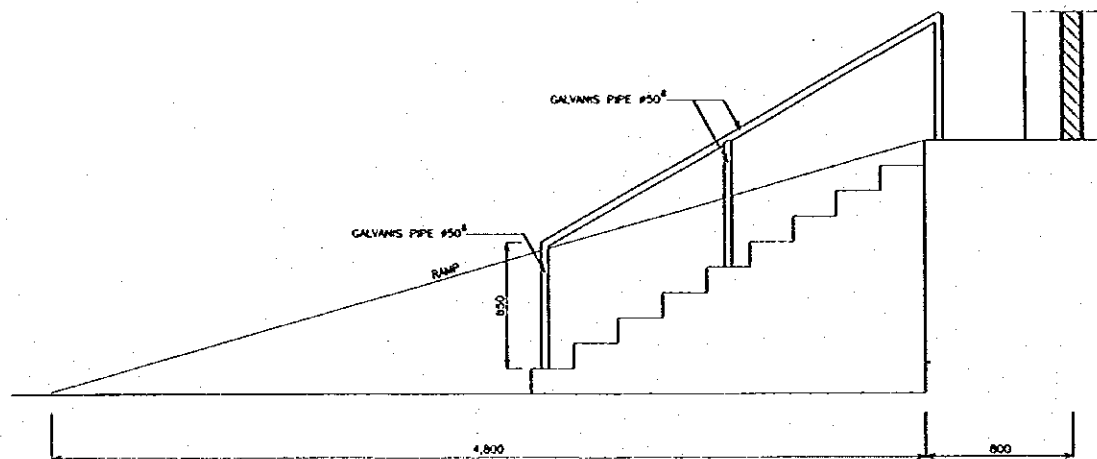
THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT		PROVINCE CENTRAL JAWA
JATUMULYANA FLOOD CONTROL PROJECT COMPONENT: UPPAN DRAINAGE SYSTEM IMPROVEMENT BARU PUMPING STATION COMPLEX MISCELLANEOUS DETAIL 2 PUMP CONTROL BUILDING		PROJECT NAME FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT IN SEMARANG IN THE REPUBLIC OF INDONESIA
JAWA INTERNATIONAL COOPERATION AGENCY CTE ENGINEERING CO., LTD. IN ASSOCIATION WITH PACIFIC CONSULTANTS INTERNATIONAL, INC. JAWA INTERNATIONAL, INC.		DISTRICT SEMARANG CITY
CHECKED DESIGNED PROJECT MANAGER		DRAWING NO. A3-108g SHEET NO. 74 DATE CONTRACT NO.



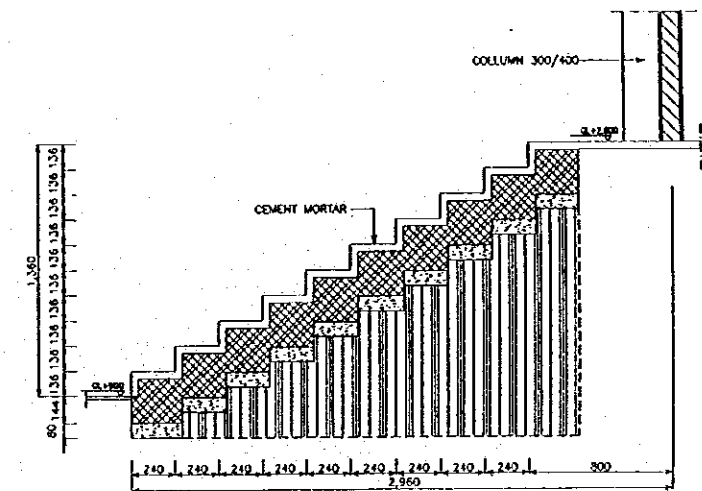
PLAN
SCALE A



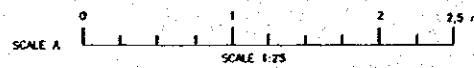
SECTION
SCALE A



ELEVATION
SCALE A

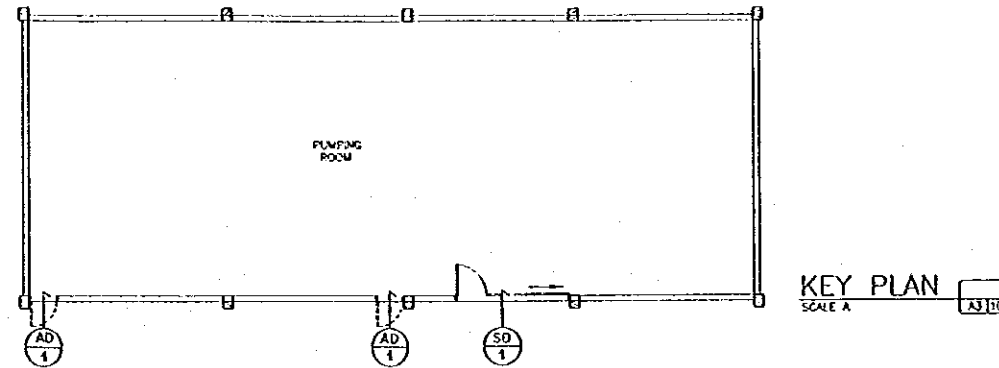


SECTION
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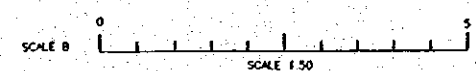
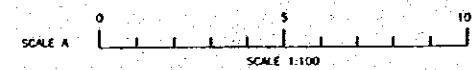
NO	DATE	REVISIONS	ORIGINATED	DESIGNED	APPROVED

	THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT		PROVINCE CENTRAL JAWA
	JRATUNSELUMA FLOOD CONTROL PROJECT COMPONENT: URBAN DRAINAGE SYSTEM IMPROVEMENT BARU PUMPING STATION COMPLEX MISCELLANEOUS DETAIL 3 PUMP CONTROL BUILDING		PROJECT NAME FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT IN SEMARANG IN THE REPUBLIC OF INDONESIA
	INAFI INTERNATIONAL COOPERATION AGENCY CIL ENGINEERING CO., LTD. OF UNDOO NEW SITE PACIFIC CONSULTANTS PTY. LTD. PT. PANG PANG INTERNATIONAL, ETC.		DISTRICT SEMARANG CITY
	DESIGNED CHECKED CUB OF PLANNING AND DESIGN PROJECT MANAGER		DRAWING NO. AS-1084A-P-9-84-13 SHEET NO. 75 DATE CONTRACT NO.



MARK		QTY	SD 1	1	AD 1	2
SHAPE						
TYPE			SINGLE SWING & SLIDING		SINGLE SWING	
MATERIAL	FINISH	FRAME	STEEL		ALU	
		PANEL	STEEL PLATE 3 MM	PAINTED	STEEL PLATE 3 MM	PAINTED
GLASS						
HARDWARE			METAL FITTINGS COMPLETE SET		METAL FITTINGS COMPLETE SET	
POSITION			PUMPING ROOM		PUMPING ROOM	

DOOR & WINDOW SCHEDULE
SCALE B



LEGEND :
 AD : ALUMINUM DOOR
 AW : ALUMINUM WINDOW
 AL : ALUMINUM LOUVER
 SD : STEEL DOOR

MATERIAL :
 ALU : ALUMINUM
 ANO : ANODIZED
 PPG : POLYESTER, CLEAR SEMI-GLOSS

DOORS & WINDOWS SYMBOL
 REFERENCE NO.

NO.	DATE	REVISIONS	DRAWN	DESIGN	APPROVED

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

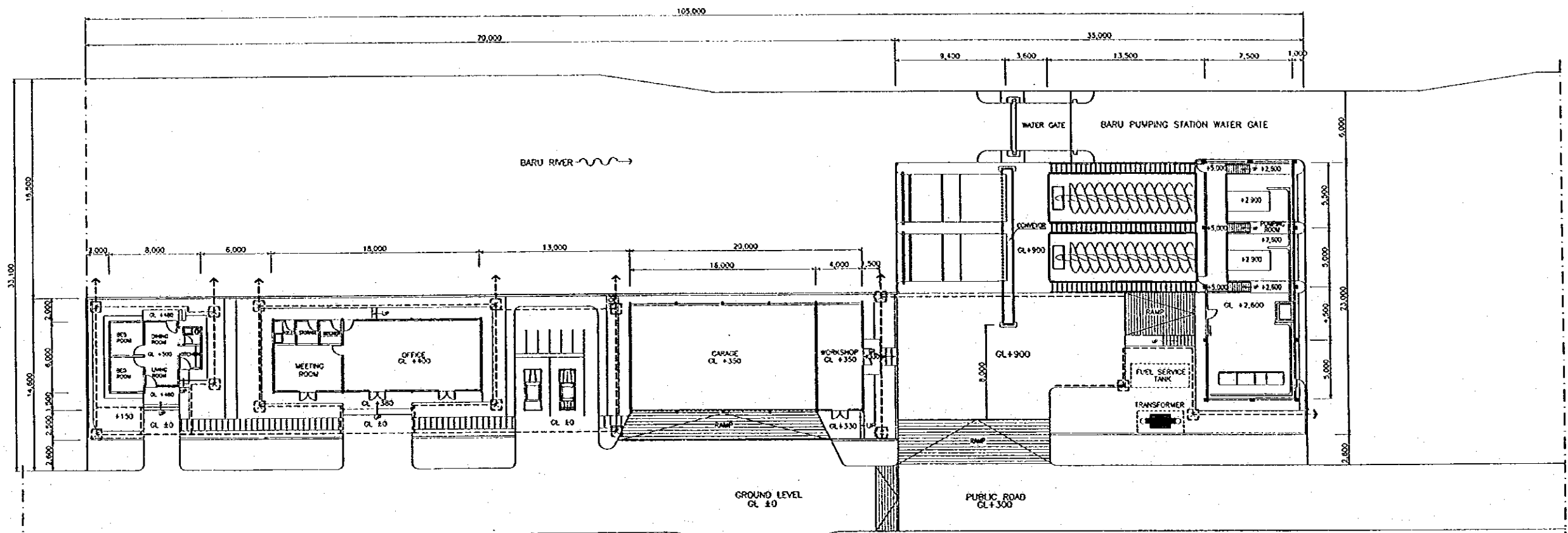
PROVINCE: CENTRAL JAWA
 PROJECT NAME: FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT IN SEMARANG IN THE REPUBLIC OF INDONESIA
 DISTRICT: SEMARANG CITY
 DRAWING NO: AS-105-M-P3-P-84-14
 SHEET NO: 76

JATUHSELUNA FLOOD CONTROL PROJECT
 COMPONENT: URBAN DRAINAGE SYSTEM IMPROVEMENT
 BARU PUMPING STATION COMPLEX
 KEY PLAN & DOOR WINDOW SCHEDULE
 PUMP CONTROL BUILDING

JAPAN INTERNATIONAL COOPERATION AGENCY
 C/O BUNGERO COLTD. IN ASSOCIATION WITH
 PACIFIC CONSULTANTS (INDONESIA) PVT. LTD.
 PAKO INTERNATIONAL INC.

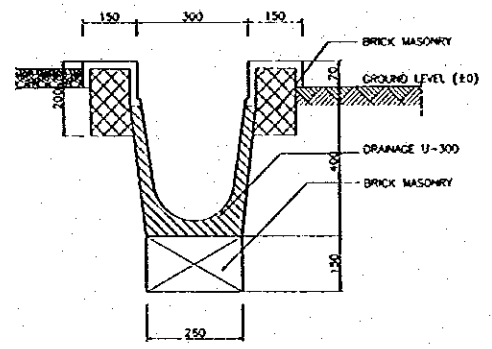
DESIGNED: [Signature]
 CHECKED: [Signature]
 DATE: [Date]
 CONTRACT NO: [Number]

APPROVED: [Signature]
 CHIEF OF PLANNING AND DESIGN
 PROJECT MANAGER

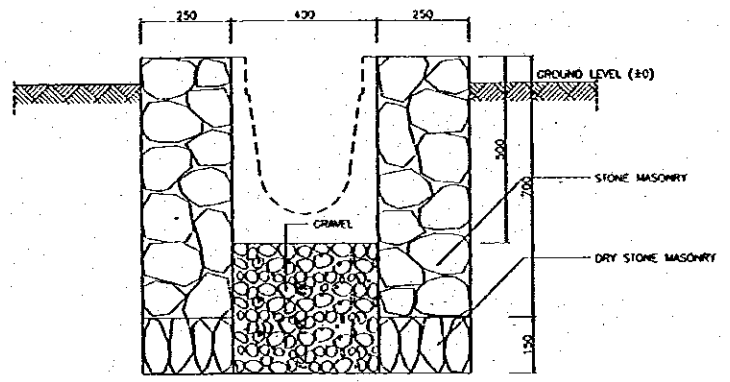


---> : DRAINAGE LINE
 □ : DRAINAGE BOX

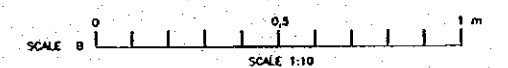
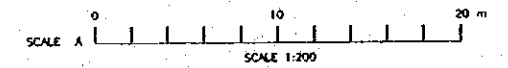
DRAINAGE PLAN
 SCALE A



TYPICAL DRAINAGE
 SCALE B

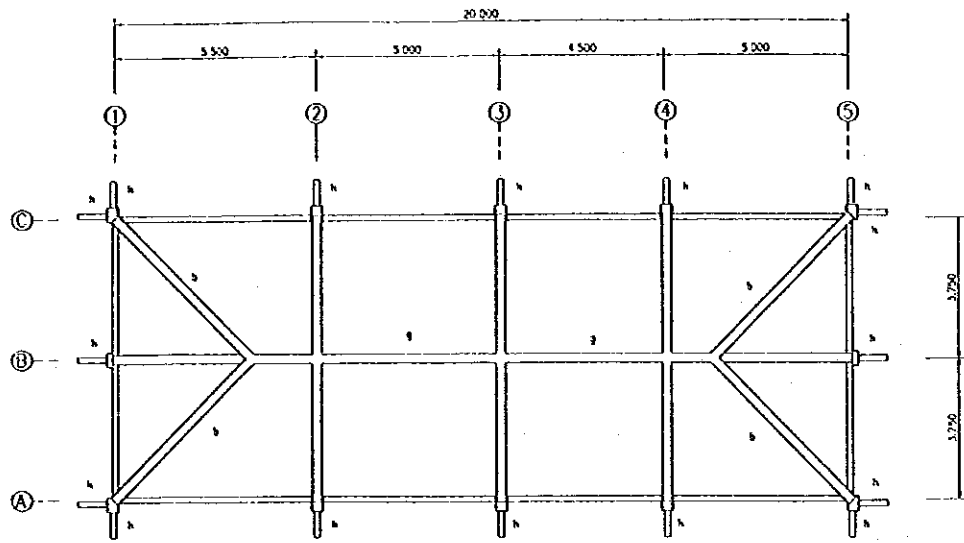


DRAINAGE BOX
 SCALE B

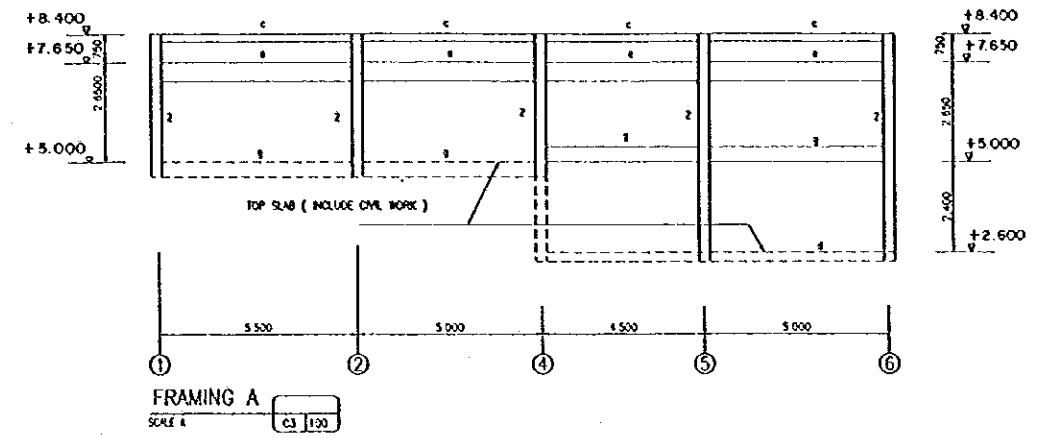


NO.	DATE	REVISIONS	ORIGINATED	APPROVED

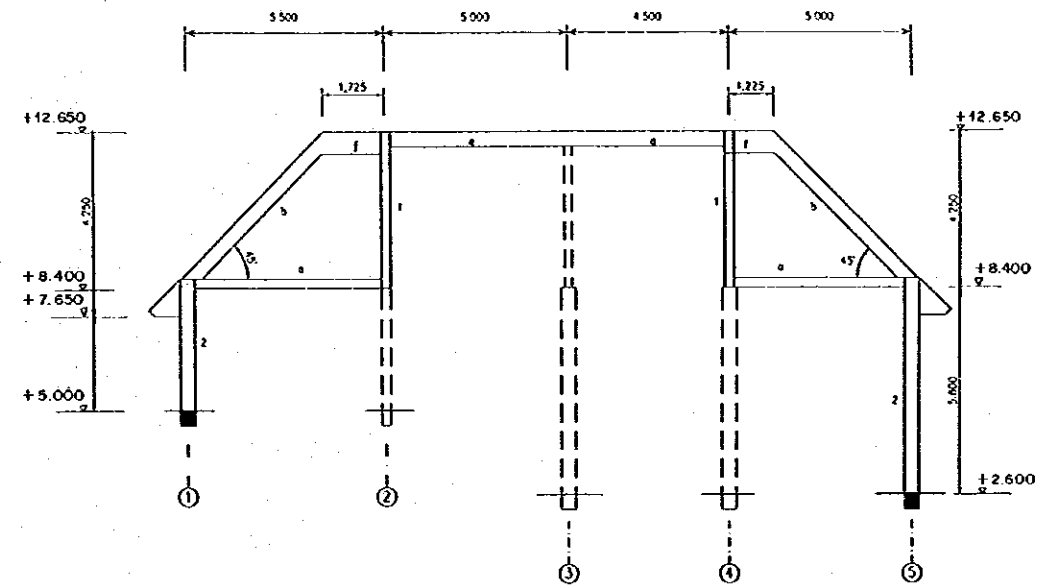
THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT		PROVINCE CENTRAL JAWA
JATUNSELUNA FLOOD CONTROL PROJECT COMPONENT : URBAN DRAINAGE SYSTEM IMPROVEMENT BARU PUMPING STATION COMPLEX DRAINAGE PLAN & DETAIL		PROJECT NAME FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT BY SEMARANG IN THE REPUBLIC OF INDONESIA
JAPAN INTERNATIONAL COOPERATION AGENCY CITY ENGINEERING CONSULTING & DESIGN PACIFIC CONSULTANTS INTERNATIONAL, INC. PAKCO INTERNATIONAL, INC.		DISTRICT SEMARANG CITY DRAWING NO. AS-110U-PB-P-04-10 SHEET NO. 77
DESIGNED CHECKED APPROVED	DATE PROJECT MANAGER	CONTRACT NO.



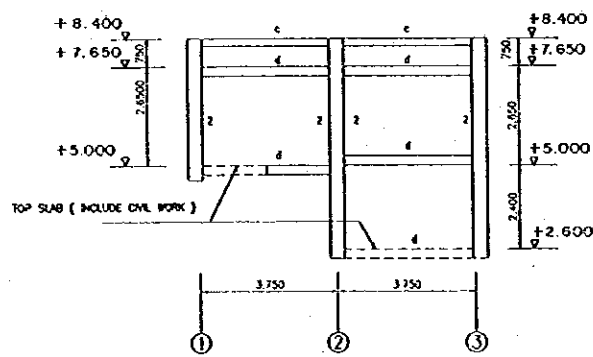
COLUMN AND BEAM PLAN
SCALE A CS 1/100



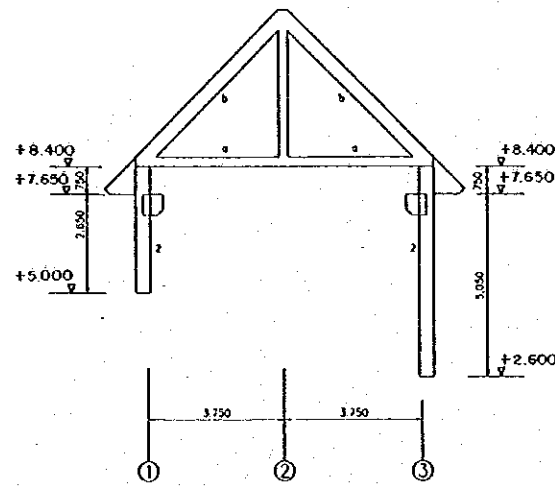
FRAMING A
SCALE A CS 1/100



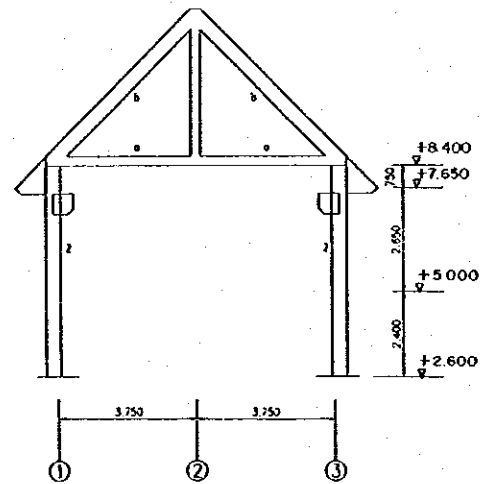
FRAMING B
SCALE A CS 1/100



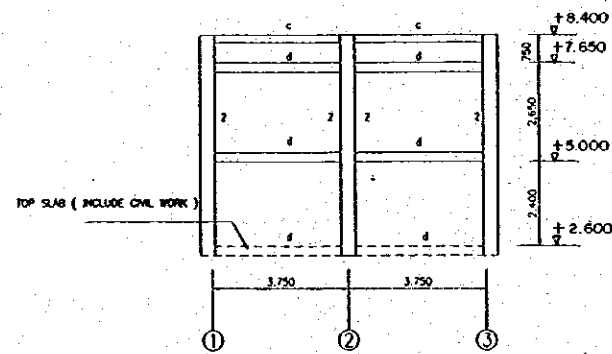
FRAMING LINE 1
SCALE A CS 1/100



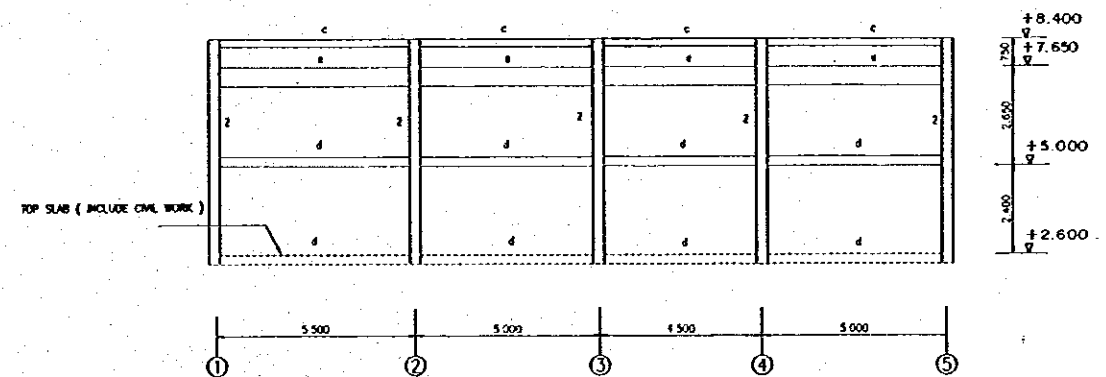
FRAMING LINE 2,3
SCALE A CS 1/100



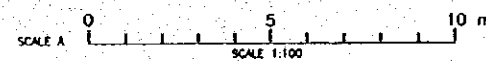
FRAMING LINE 4
SCALE A CS 1/100



FRAMING LINE 5
SCALE A CS 1/100



FRAMING C
SCALE A CS 1/100

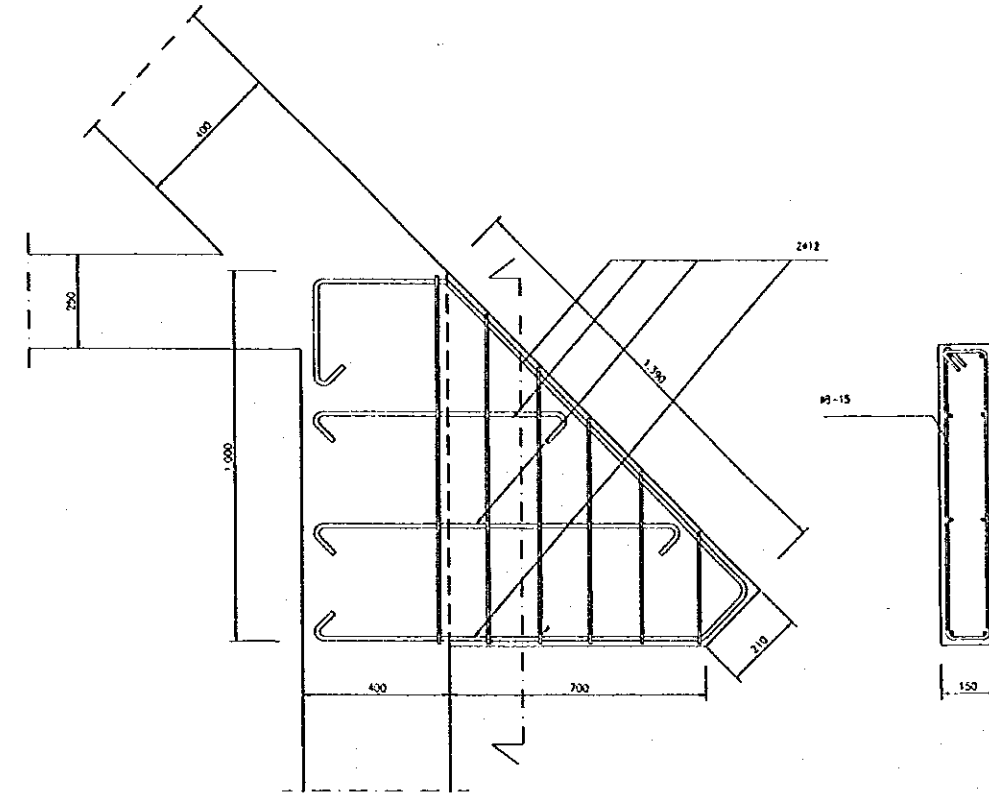


NO.	DATE	REVISIONS	ORIGINATED	DESIGNED	APPROVED

THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT		PROVINCE CENTRAL JAVA
JATUNSELUMA FLOOD CONTROL PROJECT COMPONENT : URBAN DRAINAGE SYSTEM IMPROVEMENT BARU PUMPING STATION COMPLEX COLUMN, TIE BEAM AND FRAMING ELEVATION PUMP CONTROL BUILDING		PROJECT NAME FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT IN SEMARANG BY THE REPUBLIC OF INDONESIA
JAPI INTERNATIONAL COOPERATIVE INDONESIA PT. ENGINEERING CO., LTD. IN ASSOCIATION WITH PACIFIC CONSULTANTS INTERNATIONAL, INC. JAPAN INTERNATIONAL INC.		DISTRICT SEMARANG CITY
DESIGNED: <i>[Signature]</i> CHECKED: <i>[Signature]</i> CHIEF OF PLANNING AND DESIGN PROJECT MANAGER		DRAWING NO. CS-100/RS-PS-P-BG-10 SHEET NO. 78 DATE CONTRACT NO.

SECTION OF BEAM REINFORCEMENT														
ARRANGEMENT	BEAM TYPE ①		BEAM TYPE ②		BEAM TYPE ③		BEAM TYPE ④		BEAM TYPE ⑤		BEAM TYPE ⑥		BEAM TYPE ⑦	
	WD SPAN	EDGE	WD SPAN	EDGE	WD SPAN	EDGE	WD SPAN	EDGE	WD SPAN	EDGE	WD SPAN	EDGE	WD SPAN	EDGE
TOP	2018	2018	4016	4016	2018	2018	2018	2018	6018	6018	3018	3018	2018	2018
MIDDLE	—	—	2#12	2#12	—	—	—	—	2018	2012	2#12	2#12	2#12	2#12
BOTTOM	2018	2018	4016	4016	2018	2018	2018	2018	4018	4018	3018	3018	2018	2018
STIRRUP	#12-250	#12-250	#8-200	#8-150	#8-200	#8-150	#8-90	#8-90	#10-300	#10-300	#10-250	#10-250	#8-200	#8-150

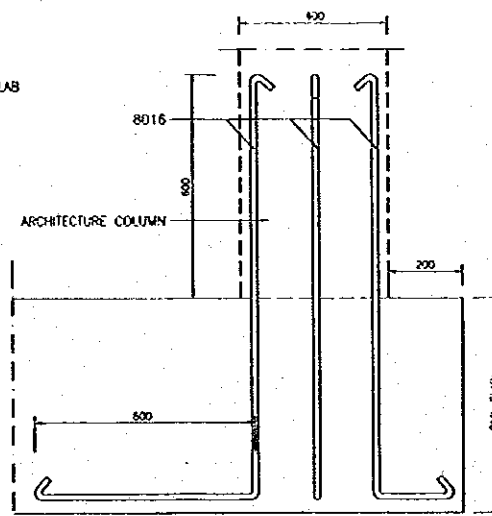
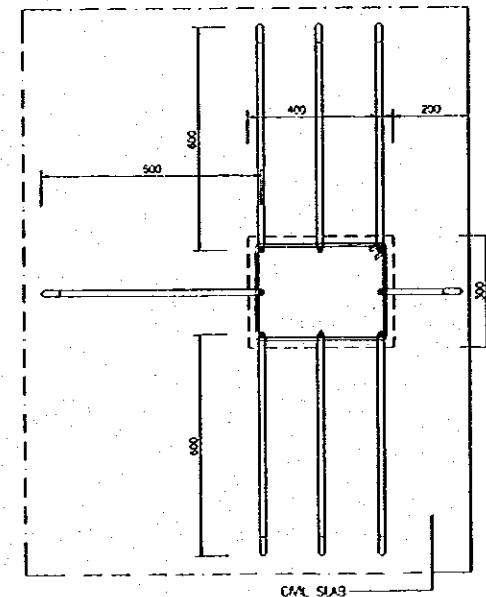
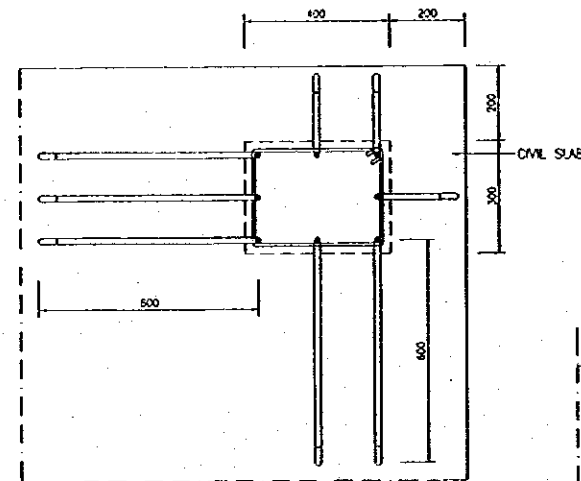
SECTION BEAM REINFORCEMENT
SCALE B



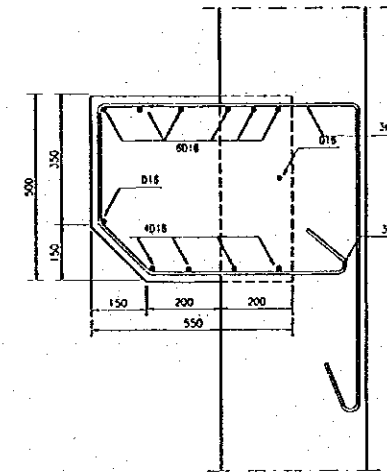
DETAIL OVERHANG REINFORCEMENT
SCALE B

TYPICAL COLUMN REINFORCEMENT		
ARRANGEMENT	COLUMN TYPE ①	COLUMN TYPE ②
	STIRRUP	#10-150

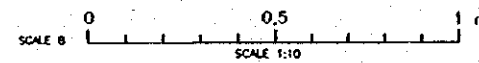
SECTION OF COLUMN REINFORCEMENT
SCALE B



DETAIL CONNECTION
SCALE A

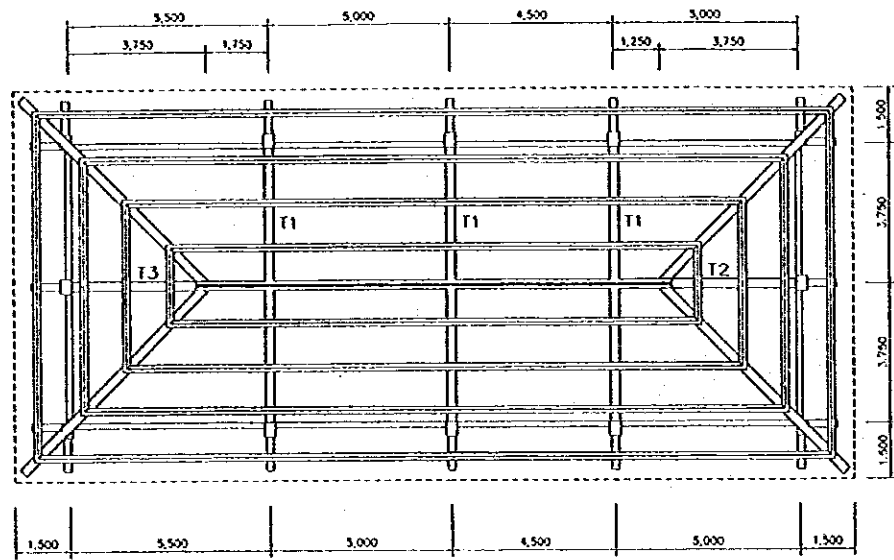


DETAIL BEAM REINFORCEMENT
SCALE B

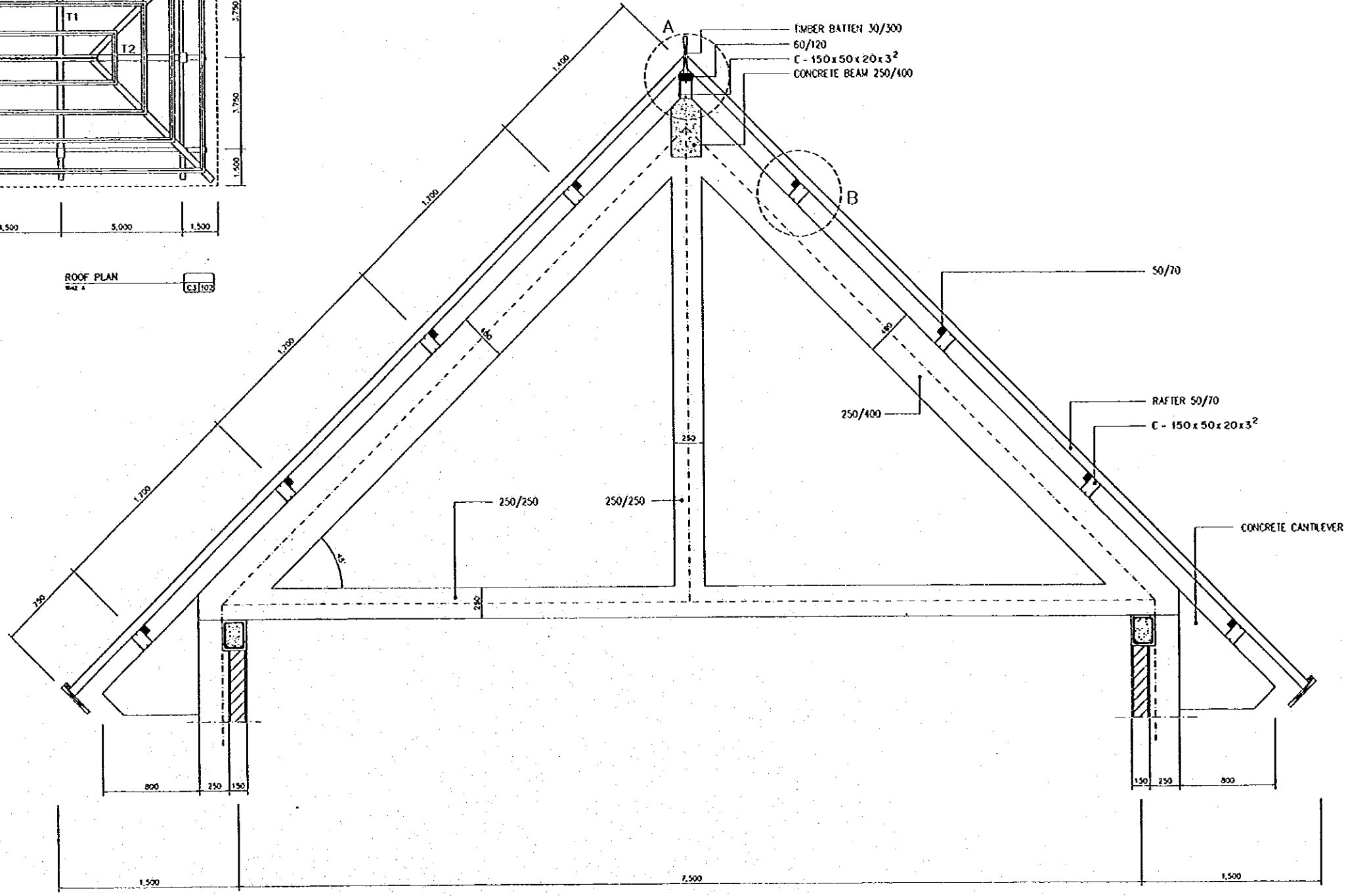


NO.	DATE	REVISIONS	DESIGNED	APPROVED

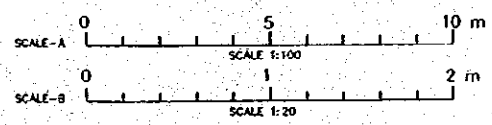
<p>THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT</p>	<p>PROVINCE CENTRAL JAVA</p>
	<p>PROJECT NAME FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT OF SEMARANG OF THE REPUBLIC OF INDONESIA</p>
	<p>DISTRICT SEMARANG CITY</p>
	<p>DRAWING NO. CS-101-U-P3-P.04-17 SHEET NO. 79</p>
<p>JRATUNSELUNA FLOOD CONTROL PROJECT COMPONENT : URBAN DRAINAGE SYSTEM IMPROVEMENT BARU PUMPING STATION COMPLEX SECTION AND DETAIL OF COLUMN AND BEAM PUMP CONTROL BUILDING</p>	<p>DATE CONTRACT NO.</p>
<p>JAPAN INTERNATIONAL COOPERATION AGENCY CIJ ENGINEERING CONSULTANTS PACIFIC CONSULTANTS INTERNATIONAL A/S PACIFIC INTERNATIONAL, INC.</p>	<p>DESIGNED CHECKED</p>
<p>DESIGNED CHECKED</p>	<p>DATE CONTRACT NO.</p>
<p>DESIGNED CHECKED</p>	<p>DATE CONTRACT NO.</p>
<p>DESIGNED CHECKED</p>	<p>DATE CONTRACT NO.</p>



ROOF PLAN
KAW. 1
C31/02

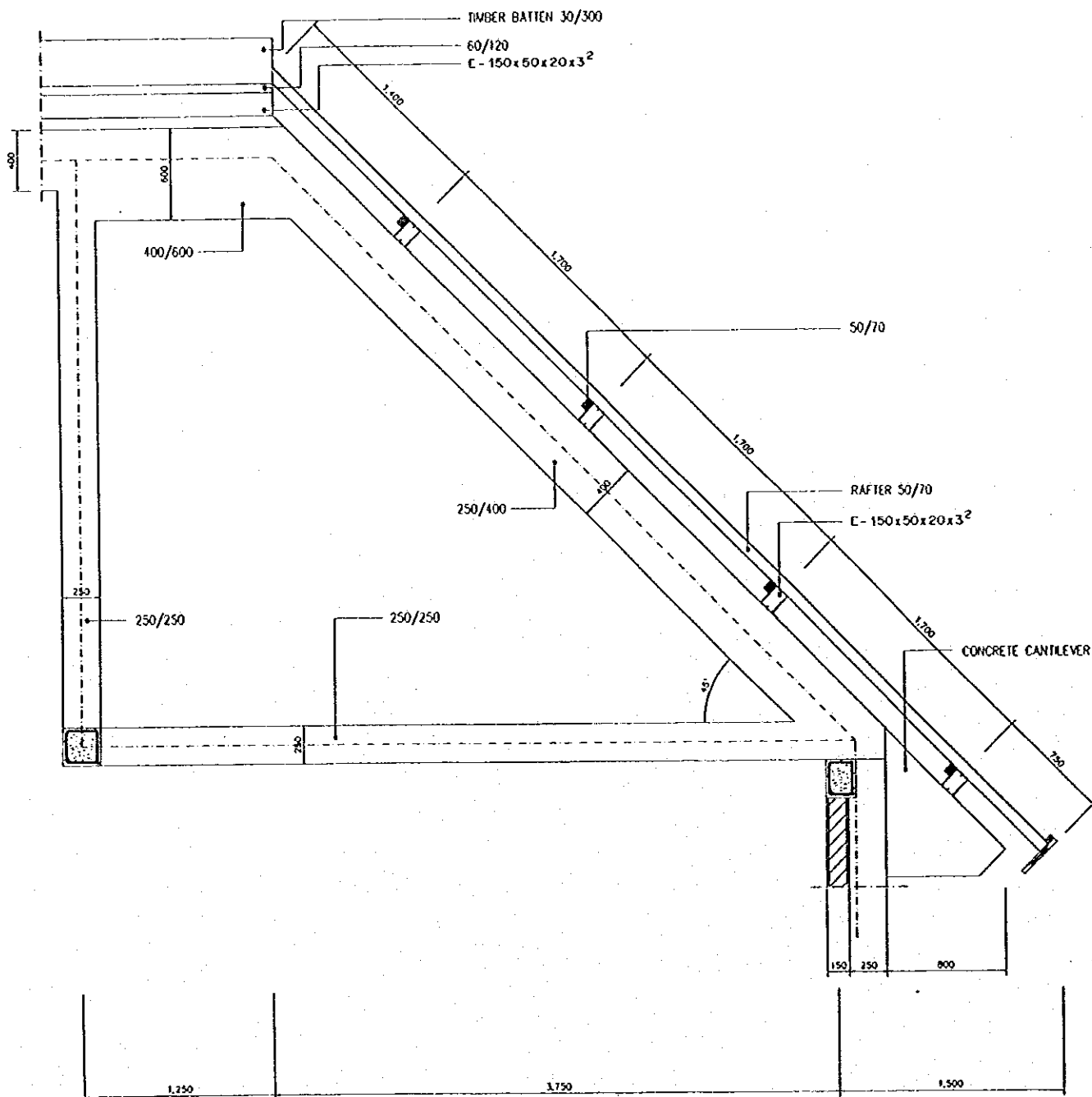


TRUSS TYPE T1
KAW. 1
C31/02

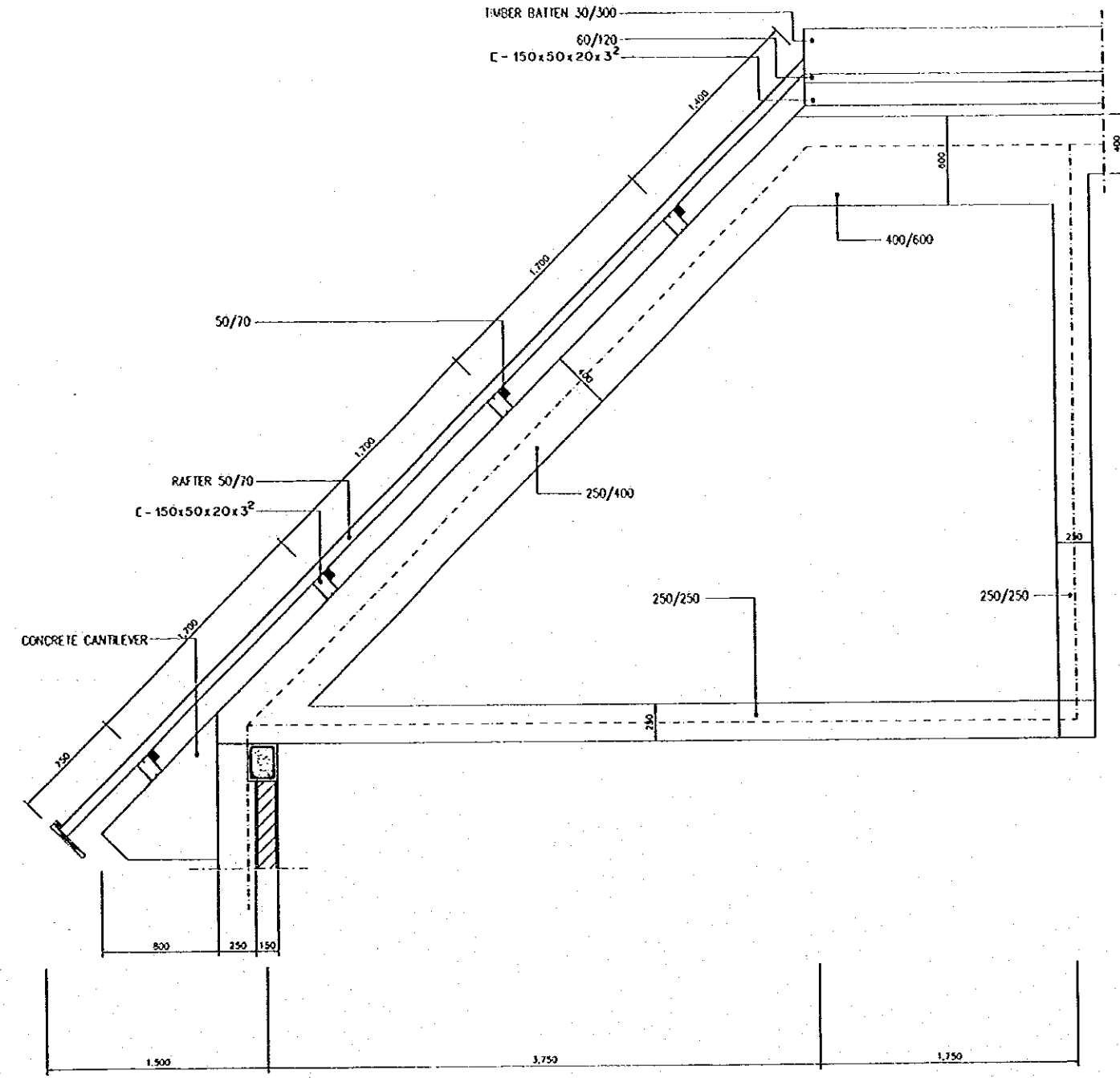


NO.	DATE	REVISIONS	ORIGINATED	DESIGNED	APPROVED

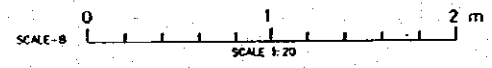
THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT		PROVINCE CENTRAL JAVA
IRATUNSELUNA FLOOD CONTROL PROJECT COMPONENT : URBAN DRAINAGE SYSTEM IMPROVEMENT BARU PUMPING STATION COMPLEX ROOF STRUCTURE PLAN AND TYPICAL PUMP CONTROL BUILDING		PROJECT NAME FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT IN SEMARANG CITY
JAPAN INTERNATIONAL COOPERATION AGENCY CITY ENGINEERING CONSULTANTS AND PLANNING CONSULTANTS INTERNATIONAL AND PACIFIC CONSULTANTS INTERNATIONAL AND PACIFIC INTERNATIONAL INC.		DISTRICT SEMARANG CITY
DESIGNED CHECKED CHIEF OF PLANNING AND DESIGN PROJECT MANAGER	DATE CONTRACT NO.	DRAWING NO: CS-102/U.P.S-P-Bu-10 SHEET NO. 80



TRUSS TYPE T2

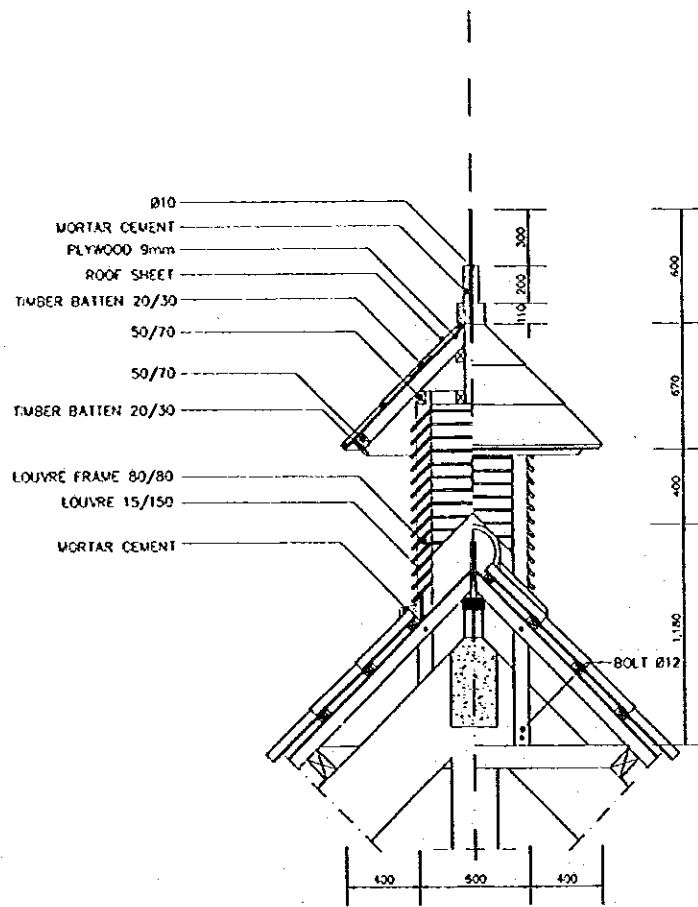


TRUSS TYPE T3

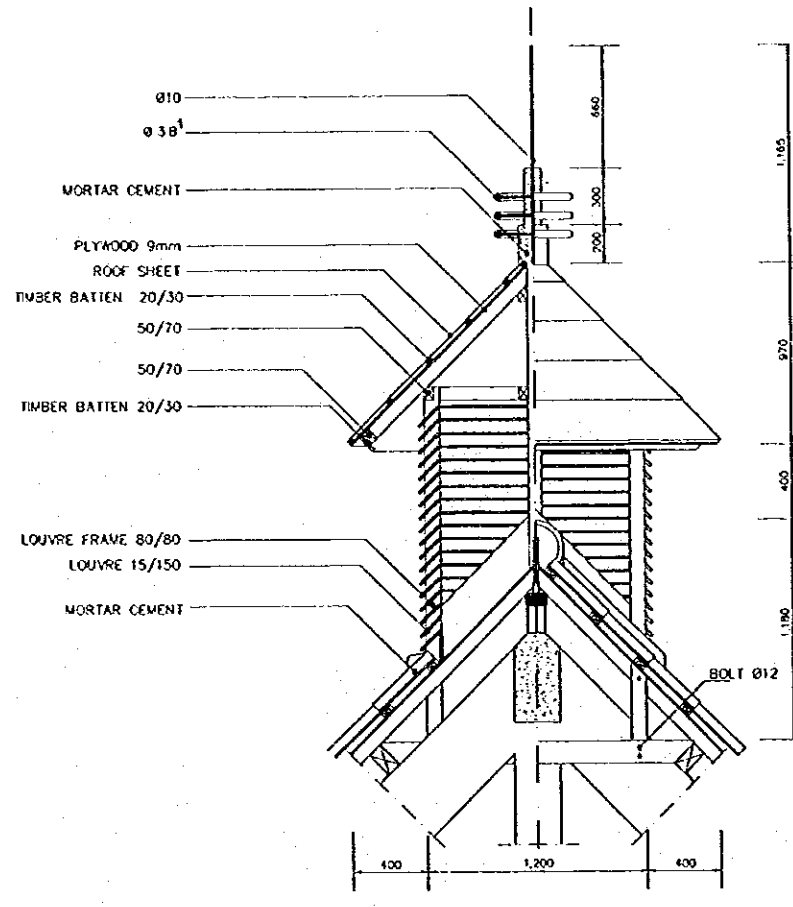


NO	DATE	REVISIONS	ORIGINATED	DESIGNED	APPROVED

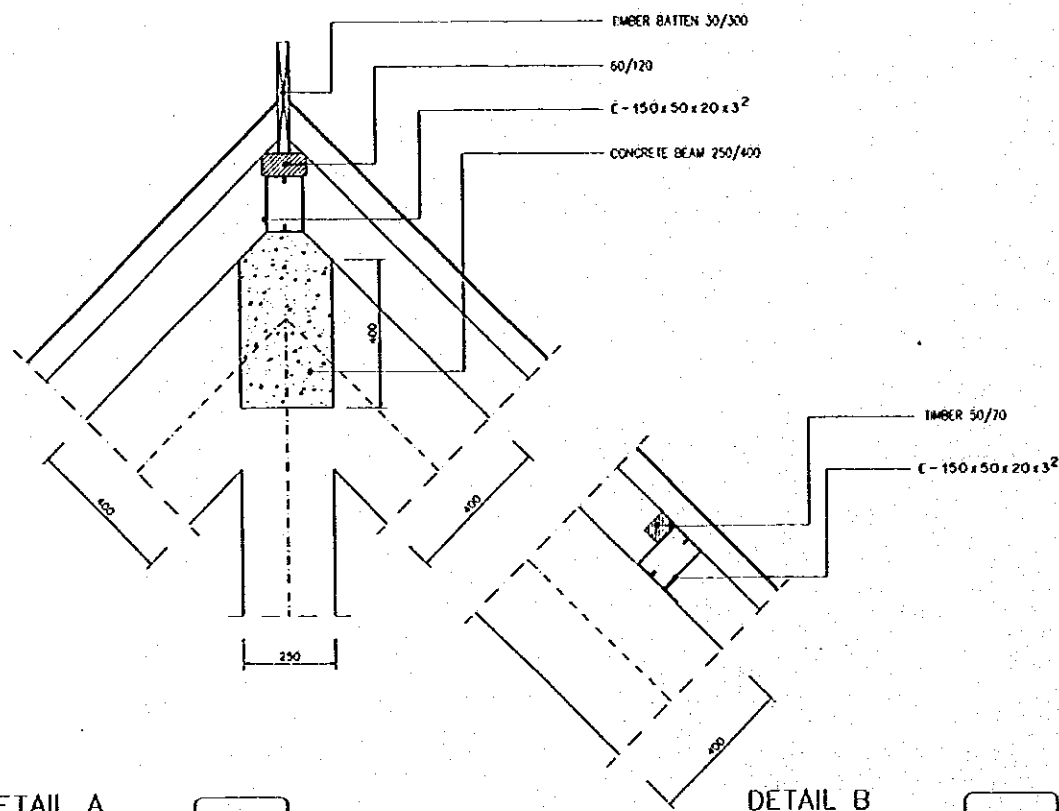
THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT		PROVINCE CENTRAL JAWA
JATUNGSELUNA FLOOD CONTROL PROJECT COMPONENT 1: URBAN DRAINAGE SYSTEM IMPROVEMENT BARU PUMPING STATION COMPLEX TYPICAL ROOF TRUSS PUMP CONTROL BUILDING		PROJECT NAME FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT IN SEMARANG IN THE REPUBLIC OF INDONESIA
JICA INTERNATIONAL COOPERATION AGENCY CHE ENGINEERING CO., LTD IN ASSOCIATION WITH PACIFIC CONSULTANTS INTERNATIONAL AND JICA'S INTERNATIONAL INC.		DISTRICT SEMARANG CITY
DESIGNED CHECKED APPROVED CHIEF OF PLANNING AND DESIGN PROJECT MANAGER		DRAWING NO: 203-103 U.P.S.-P.04-10 SHEET NO. 84 DATE CONTRACT NO.



DETAIL R1
SCALE C

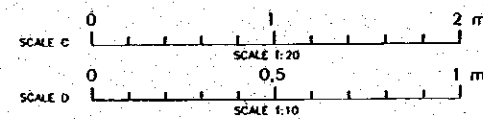


DETAIL R2
SCALE C



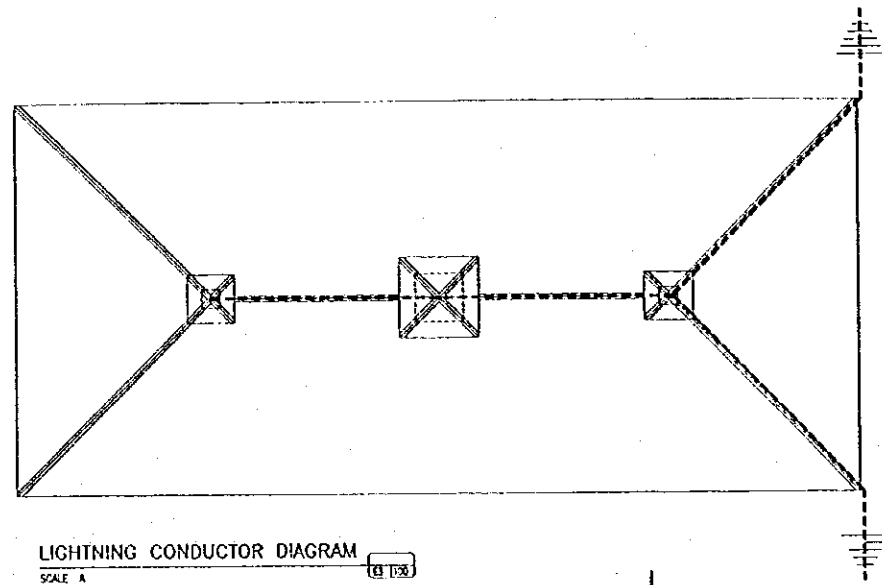
DETAIL A
SCALE D

DETAIL B
SCALE D

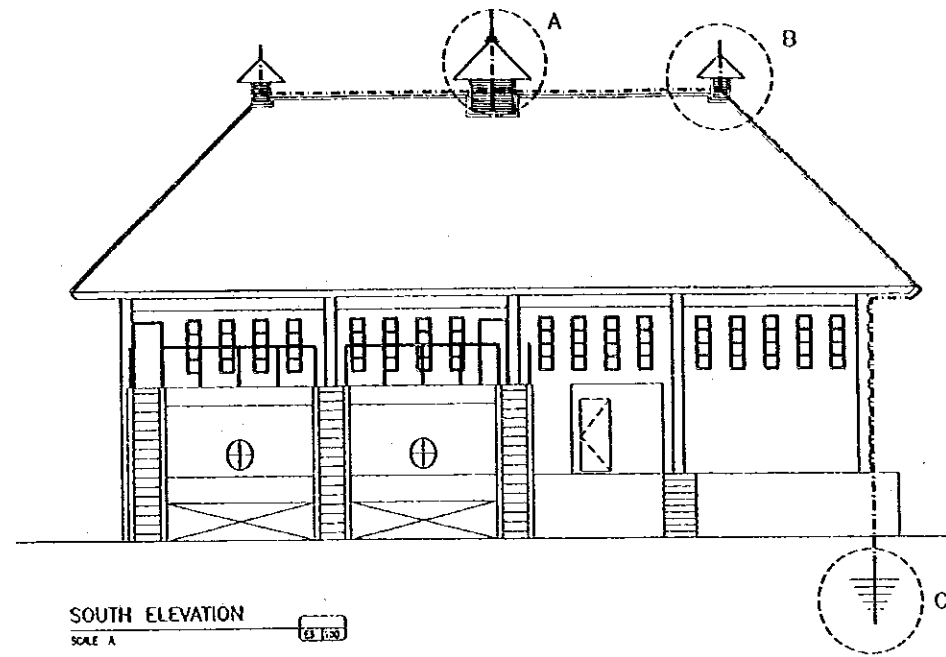


NO.	DATE	REVISIONS	ORIGINATED	DESIGNED	APPROVED

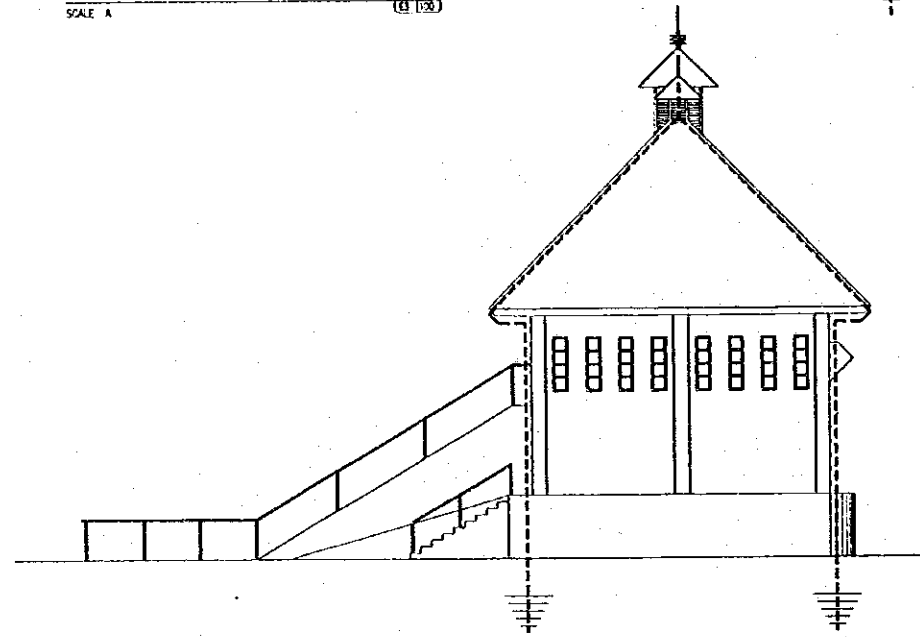
THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT		PROVINCE CENTRAL JAYA
IRATUNSELUNA FLOOD CONTROL PROJECT COMPONENT : URBAN DRAINAGE SYSTEM IMPROVEMENT BARU PUMPING STATION COMPLEX DETAIL ROOF STRUCTURE PUMP CONTROL BUILDING		PROJECT NAME FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT IN SEMARANG OF THE REPUBLIC OF INDONESIA
JICA INTERNATIONAL COOPERATION AGENCY CH. ENGINEERING CO. LTD. IN ASSOCIATION WITH PACIFIC CONSULTANTS INTERNATIONAL, INC. JICA INTERNATIONAL, INC.		DISTRICT SEMARANG CITY
DESIGNED <i>[Signature]</i>	CHECKED <i>[Signature]</i>	DRAWING NO. C3-104/J-P-82-80 SHEET NO. 82
CHIEF OF PLANNING AND DESIGN	PROJECT MANAGER	DATE CONTRACT NO.



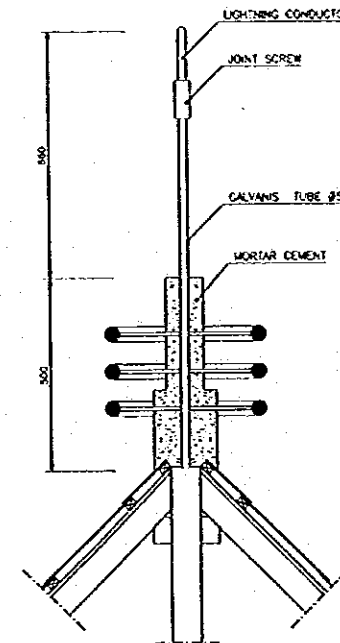
LIGHTNING CONDUCTOR DIAGRAM
SCALE A



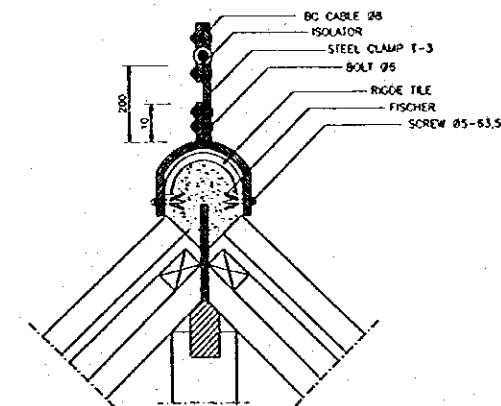
SOUTH ELEVATION
SCALE A



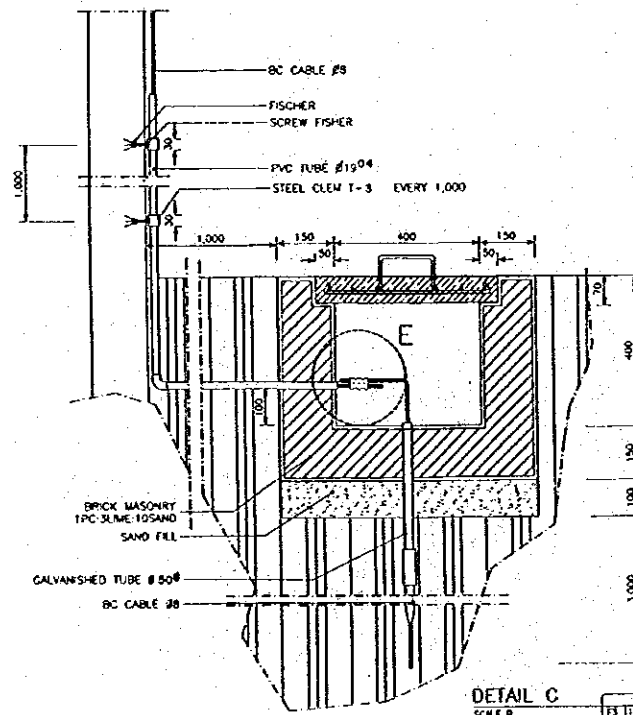
EAST ELEVATION
SCALE A



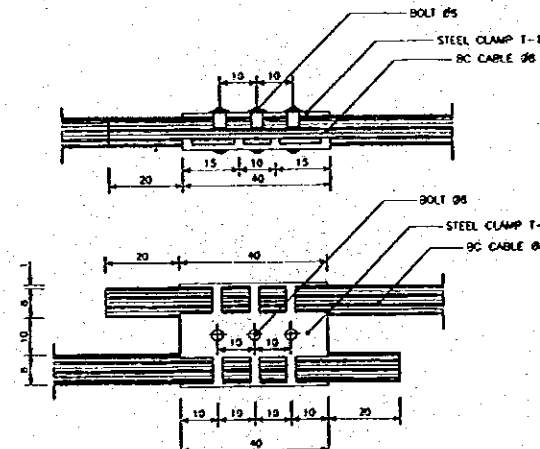
DETAIL A
SCALE B



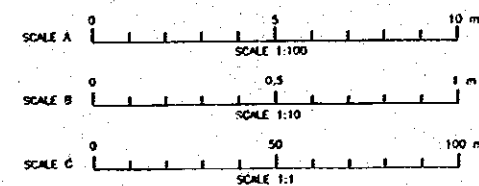
DETAIL B
SCALE B



DETAIL C
SCALE B



DETAIL E
SCALE C



NO.	DATE	REVISIONS	ORIGINATOR	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
IRATUNSELUNA FLOOD CONTROL PROJECT COMPONENT : URBAN DRAINAGE SYSTEM IMPROVEMENT BARU PUMPING STATION COMPLEX LIGHTNING CONDUCTOR PLAN & DETAIL PUMP CONTROL BUILDING		PROJECT NAME FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT AND SETTLEMENT IN THE PROVINCE OF INDONESIA
JAWA INTERNATIONAL COOPERATION AGENCY CIVIL ENGINEERING CONSULTANTS AND ARCHITECTS ASSOCIATION WITH PACIFIC CONSULTANTS INTERNATIONAL AND PACIFIC INTERNATIONAL, INC.		DISTRICT SEMARANG CITY
DESIGNED CHECKED CHIEF OF PLANNING AND DESIGN		DRAWING NO. E3-100/12-PB-P-04-21 SHEET NO. 83
DATE PROJECT MANAGER		CONTRACT NO.

LIGHTING PLAN

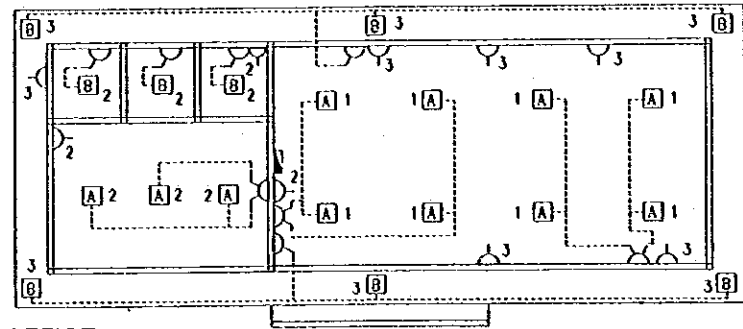
SCALE A

E3/101

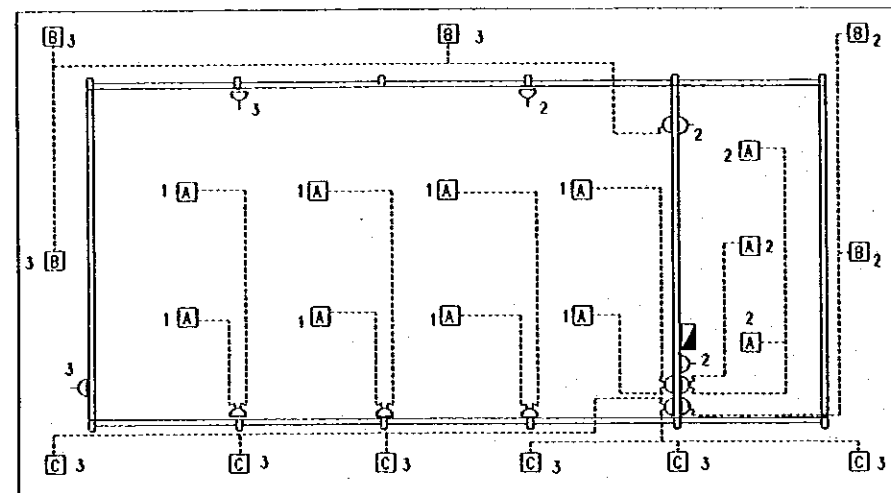
ONE LINE ELECTRICAL DIAGRAM

NYC

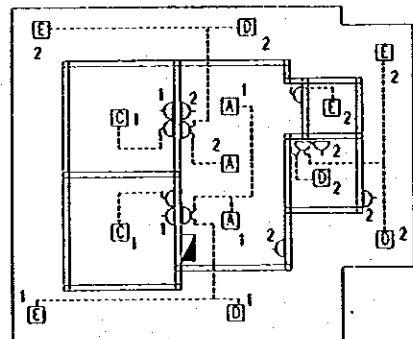
E3/101



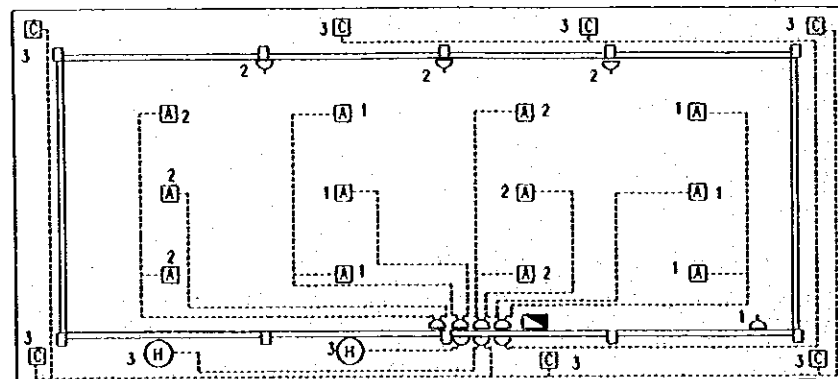
OFFICE



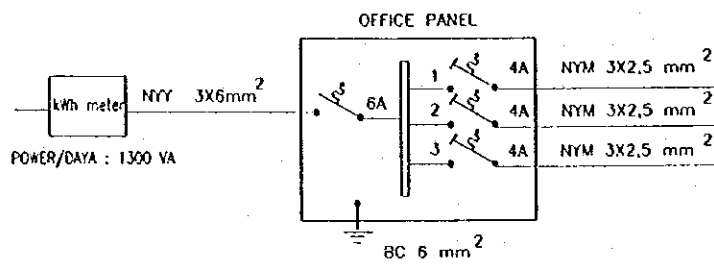
GARAGE



STAFF HOUSE

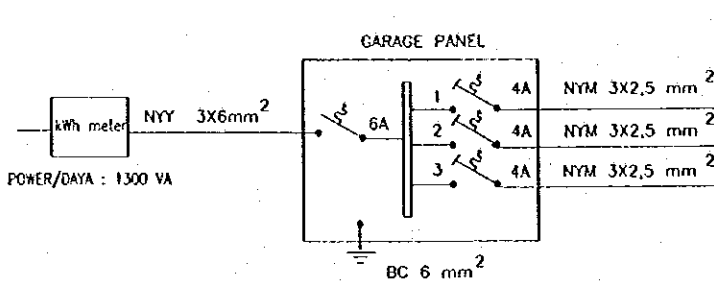


PUMPING HOUSE



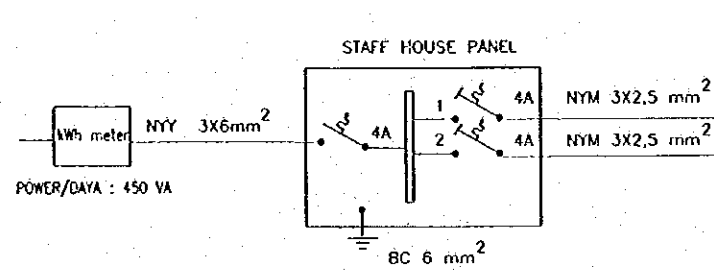
POWER/DAYA : 1300 VA

[A] 2X40W	[B] 1X20W	[C] 1X40W	[D] 1X15W	[E] 1X10W	[H] SPOT-250W	100W	V A
8	-	-	-	-	-	-	640
3	3	-	-	-	-	3	600
-	6	-	-	-	-	6	720
11	9	-	-	-	-	9	1960



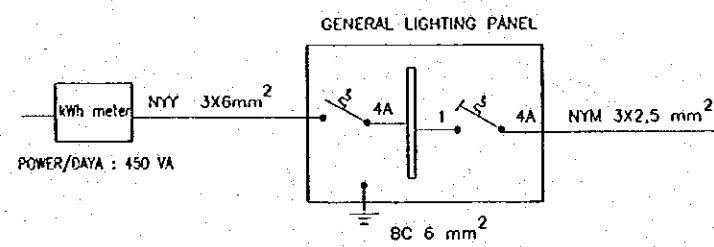
POWER/DAYA : 1300 VA

[A] 2X40W	[B] 1X20W	[C] 1X40W	[D] 1X15W	[E] 1X10W	[H] SPOT-250W	100W	V A
8	-	-	-	-	-	-	640
3	2	-	-	-	-	3	580
-	3	6	-	-	-	2	500
11	5	6	-	-	-	5	1720



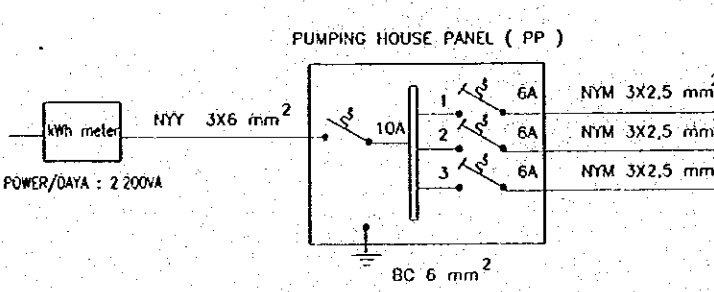
POWER/DAYA : 450 VA

[A] 2X40W	[B] 1X20W	[C] 1X40W	[D] 1X15W	[E] 1X10W	[H] SPOT-250W	100W	V A
2	-	2	1	1	-	2	425
1	-	-	2	2	-	4	490
3	-	2	3	3	-	6	915



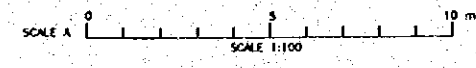
POWER/DAYA : 450 VA

[A] 2X40W	[B] 1X20W	[C] 1X40W	[D] 1X15W	[E] 1X10W	[H] SPOT-250W	100W	V A
12	-	-	-	-	-	-	960
12	-	-	-	-	-	-	960



POWER/DAYA : 2.200VA

[A] 2X40W	[B] 1X20W	[C] 1X40W	[D] 1X15W	[E] 1X10W	[H] SPOT-250W	100W	V A
6	-	-	-	-	-	1	580
6	-	-	-	-	-	3	780
-	-	7	-	-	2	-	780
12	-	7	-	-	2	4	2140



NO	DATE	REVISIONS	ORIGINATED	DESIGNED	APPROVED

- NOTE :
- [A] FL 2 x 40W
 - [B] FL 1 x 20W
 - [C] FL 1 x 40W
 - [D] FL 1 x 15W
 - [E] FL 1 x 10W
 - [H] HLUSS 1 x 250W
 - Socket Outlet 1 x 100W

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

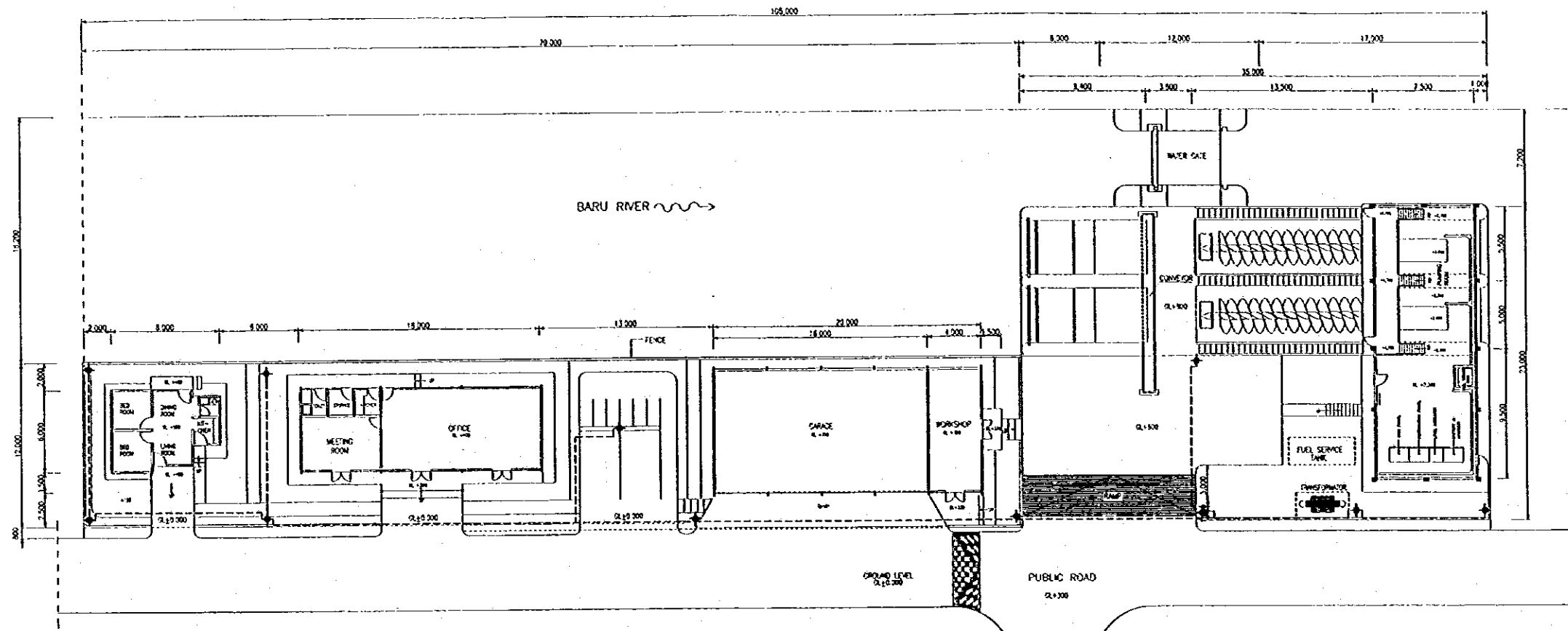
IRATUNSELUMA FLOOD CONTROL PROJECT
 COMPONENT : URBAN DRAINAGE SYSTEM IMPROVEMENT
 BARU PUMPING STATION COMPLEX

LIGHTING PLAN AND ONE LINE ELECTRICAL DIAGRAM

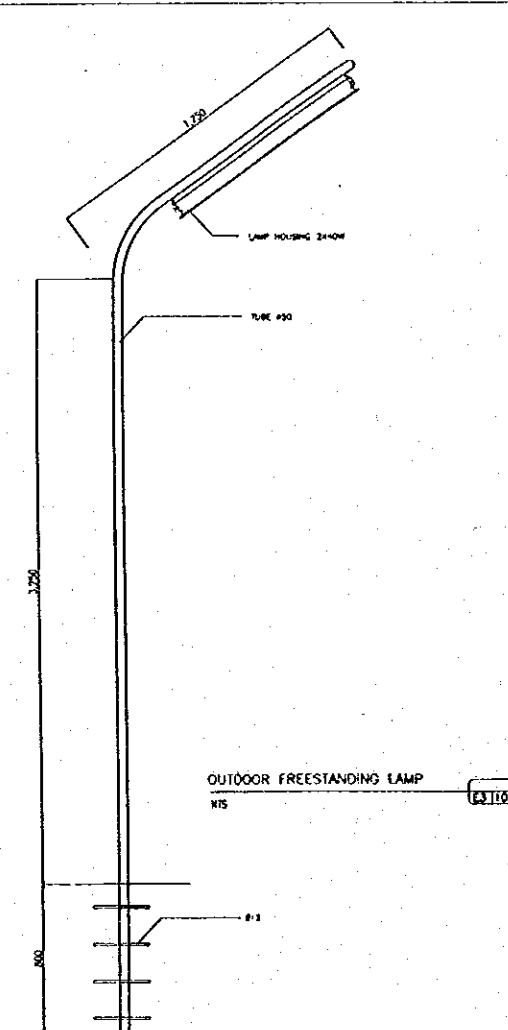
JAPAN INTERNATIONAL COOPERATION AGENCY
 UTS ENGINEERING CONSULTANTS AND ARCHITECTS PTE
 PACIFIC CONSULTANTS INTERNATIONAL AND
 JAPAN INTERNATIONAL INC.

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

PROVINCE: CENTRAL JAYA
 PROJECT NAME: FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT IN SOERABAYA OF THE REPUBLIC OF INDONESIA
 DISTRICT: SEKARANG CITY
 DRAWING NO. E3-101 U-P3-P-BW-22
 SHEET NO. 84
 DATE: [Blank]
 CONTRACT NO. [Blank]



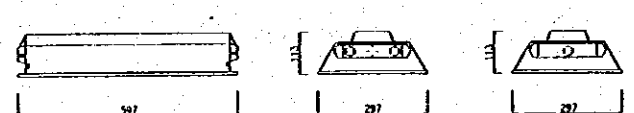
GENERAL LIGHTING PLAN
NS E3 102



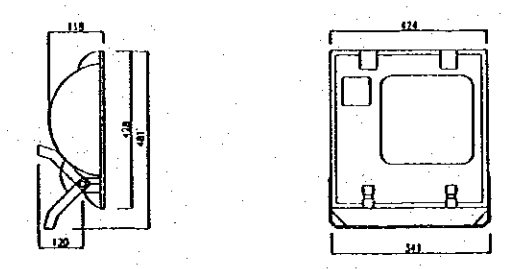
OUTDOOR FREESTANDING LAMP
NS E3 102



2X40W & 1X40W LAMP HOUSING
NS E3 102



2X20W & 1X20W LAMP HOUSING
NS E3 102



HALOGEN 250 W LAMP HOUSING
NS E3 102

LAMP HOUSING DETAIL
NS E3 102

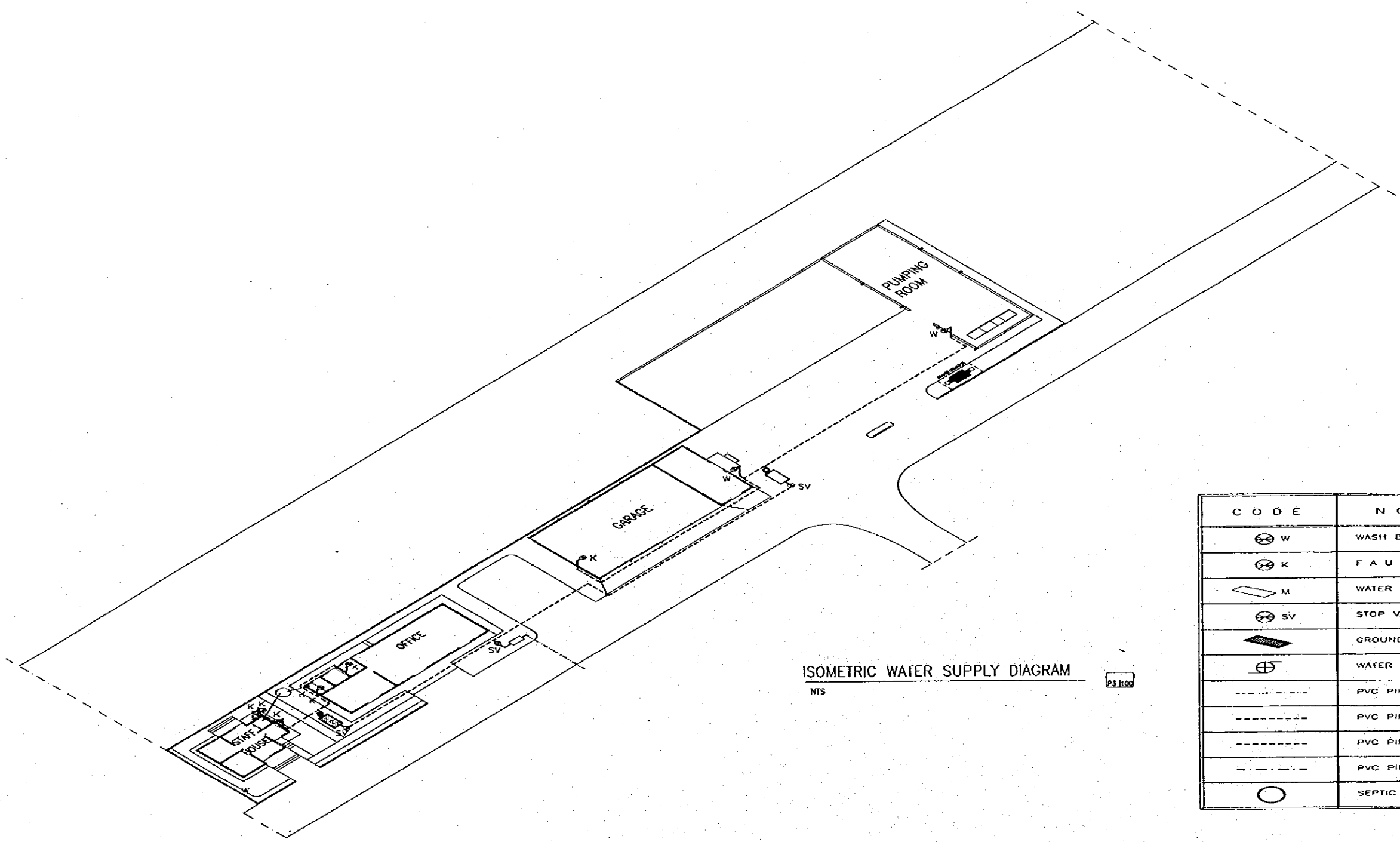
NO.	DATE	REVISIONS	ORIGINATED	DESIGNED	APPROVED

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

JRATUNSELUNA FLOOD CONTROL PROJECT
COMPONENT : URBAN DRAINAGE SYSTEM IMPROVEMENT
BARU PUMPING STATION COMPLEX
GENERAL LIGHTING PLAN

PROVINCE: CENTRAL JAYA
PROJECT NAME: FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT IN SEMARANG IN THE PROVINCE OF CENTRAL JAYA
DISTRICT: SEMARANG CITY
DRAWING NO: E3-102 U-P.S.-P.04-23
SHEET NO: 86
DATE: [Signature]
CONTRACT NO: [Signature]

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

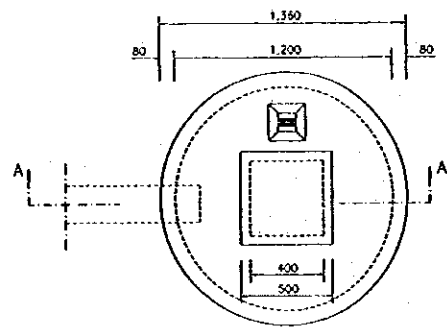


ISOMETRIC WATER SUPPLY DIAGRAM
NIS

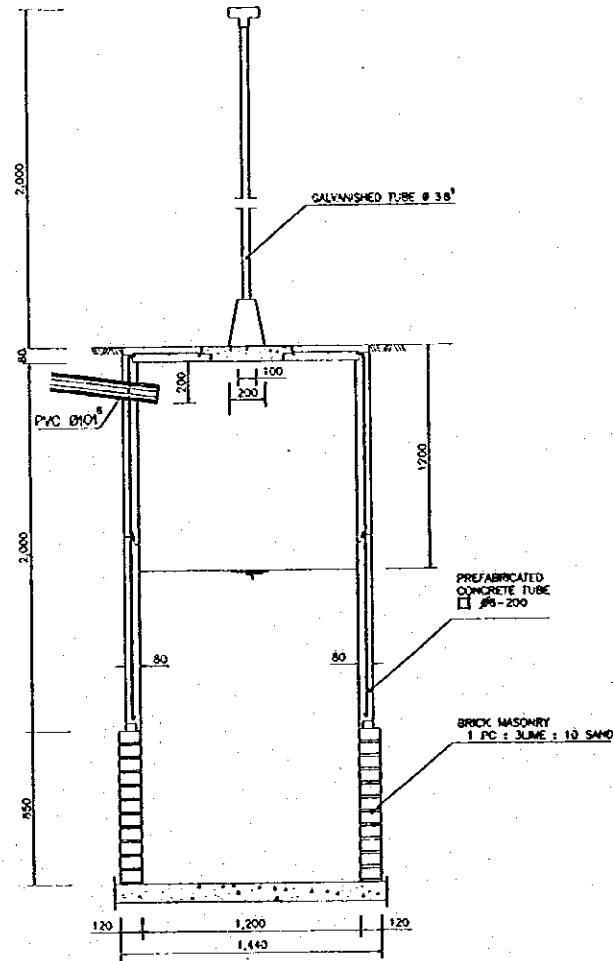
CODE	NOTE
⊗ W	WASH BASIN
⊗ K	FAUCET
▭ M	WATER METER
⊗ SV	STOP VALVE
▭	GROUND RESERVOIR
⊕	WATER PUMP
---	PVC PIPE PDAM
---	PVC PIPE 19 ⁰⁵
---	PVC PIPE 12 ⁷
---	PVC PIPE 101 ⁶
○	SEPTIC TANK

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
JATUNSELUMA FLOOD CONTROL PROJECT COMPONENT : URBAN DRAINAGE SYSTEM IMPROVEMENT BARU PUMPING STATION COMPLEX WATER SUPPLY DIAGRAM		PROJECT NAME PLUMBING, SANITATION AND WATER RESOURCES DEVELOPMENT IN SEMARANG IN THE PROVINCE OF CENTRAL JAVA
JAWA INTERNATIONAL COOPERATION AGENCY CTA ENGINEERING CONSULTANTS IN ASSOCIATION WITH PACIFIC CONSULTANTS INTERNATIONAL AND PACE INTERNATIONAL, INC.		DISTRICT SEMARANG CITY
DESIGNED CHECKED APPROVED CHIEF OF PLANNING AND DESIGN PROJECT MANAGER		DRAWING NO. PS-100-11-PS-F.04 - 24 SHEET NO. 08 DATE CONTRACT NO.

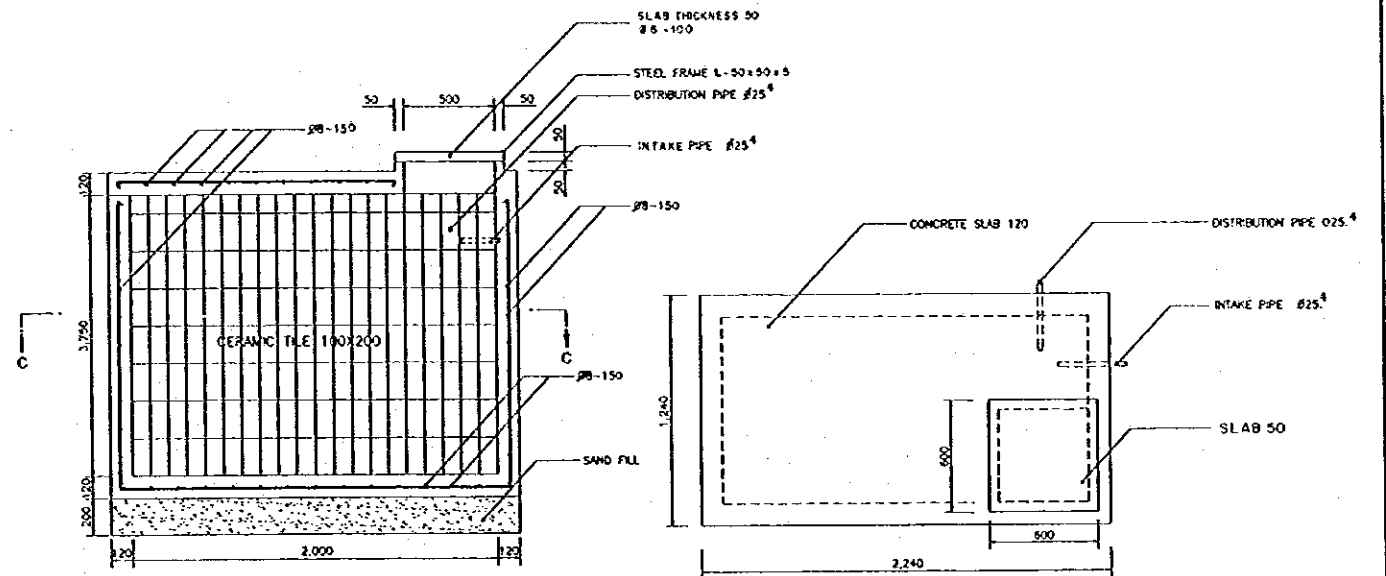


BEERPOT PLAN



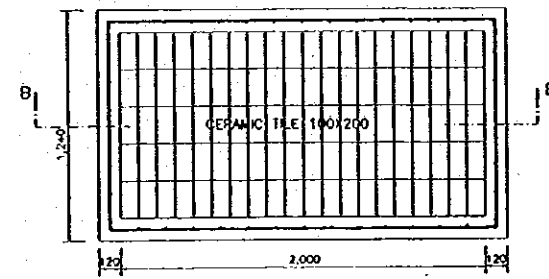
SECTION A - A

BEERPOT
SCALE A P3 | 101



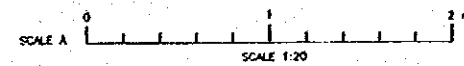
SECTION B - B

PLAN



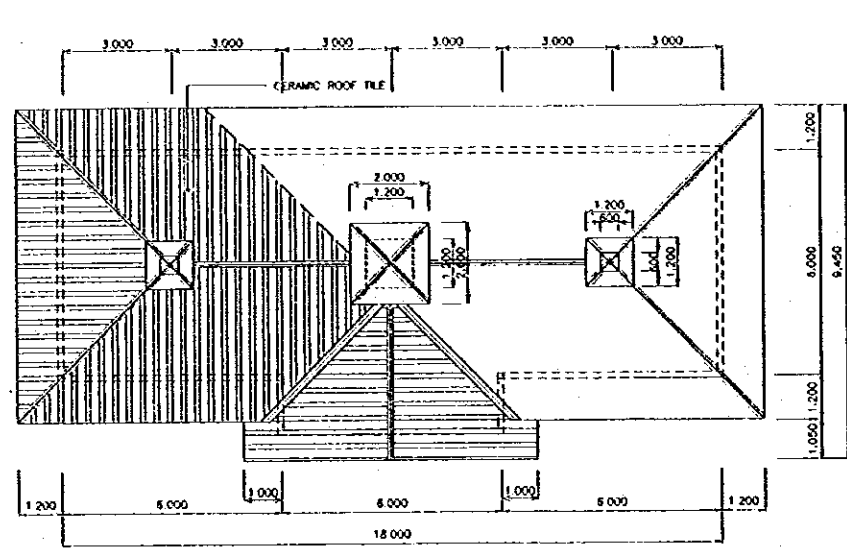
SECTION C - C

GROUND RESERVOIR
SCALE A P3 | 101

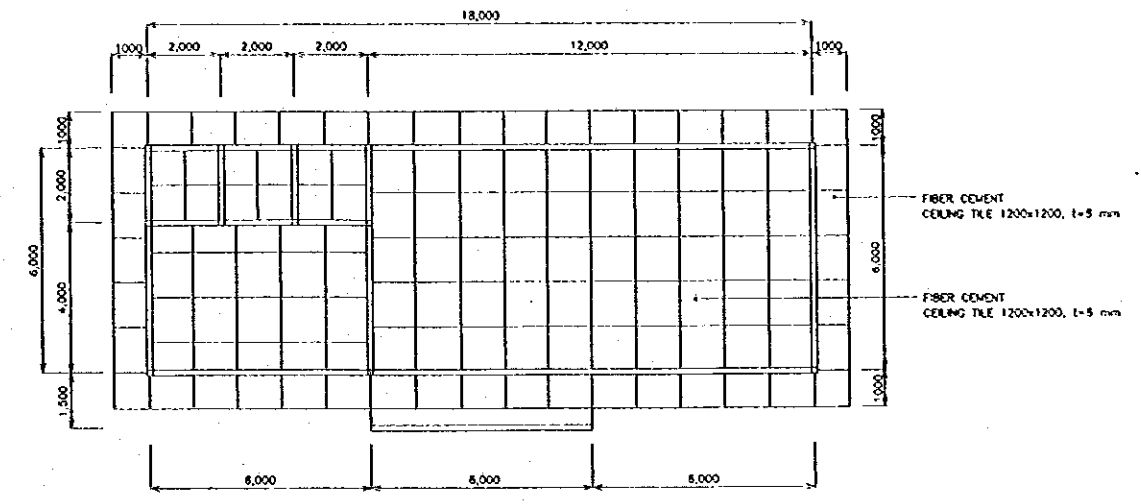


NO.	DATE	REVISIONS	ORIGINATED	DESIGNED	APPROVED

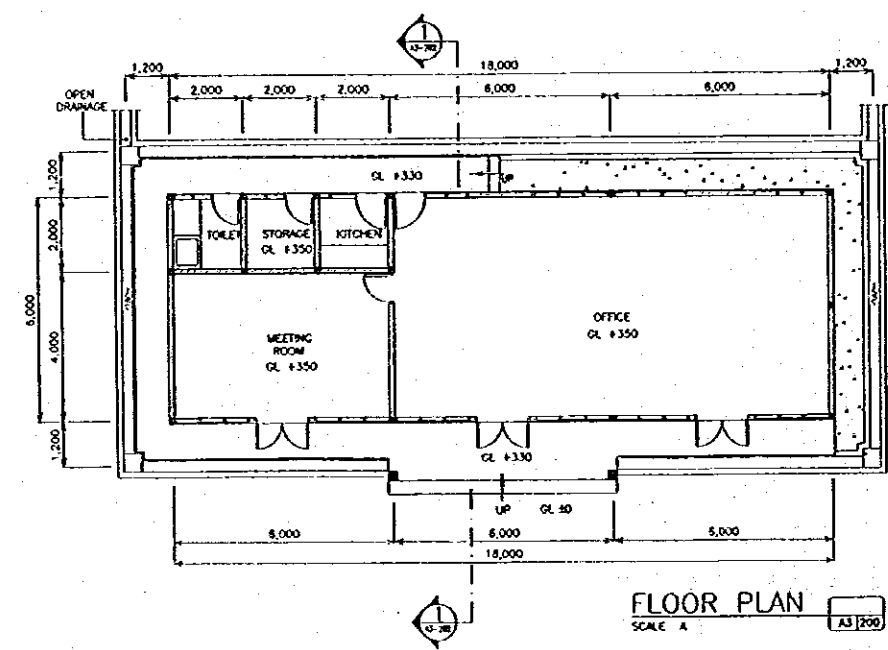
THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT		PROVINCE CENTRAL JAYA	
JRATUNSELISA FLOOD CONTROL PROJECT COMPONENT : URBAN DRAINAGE SYSTEM IMPROVEMENT BARU PUMPING STATION COMPLEX BEERPOT & GROUND RESERVOIR		PROJECT NAME FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT IN SEMARANG IN THE REPUBLIC OF INDONESIA	
JAPAN INTERNATIONAL COOPERATION AGENCY CITY ENGINEERING COLLEGE OF SEMARANG CITY PACIFIC CONSULTANTS INTERNATIONAL AND PWP/INTERNATIONAL INC.		DISTRICT SEMARANG CITY DRAWING NO. P3-101/P3-P-04-20 SHEET NO. 87	
DESIGNED	CHECKED	DATE	CONTRACT NO.
CHIEF OF PLANNING AND DESIGN PROJECT MANAGER			



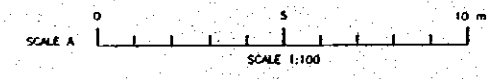
ROOF PLAN
SCALE A A3/200



REFLECTED CEILING PLAN
SCALE A A3/200

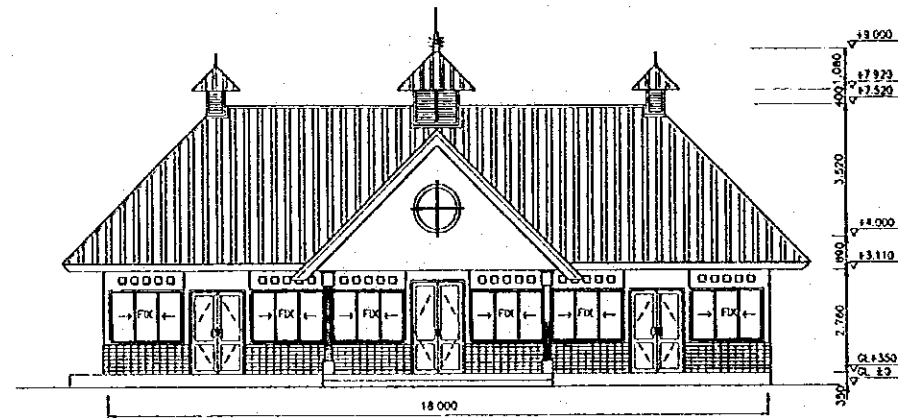


FLOOR PLAN
SCALE A A3/200

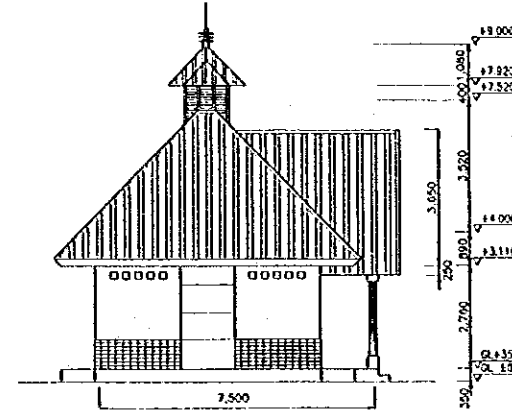


NO.	DATE	REVISIONS	ORIGINATED	DESIGNED	APPROVED

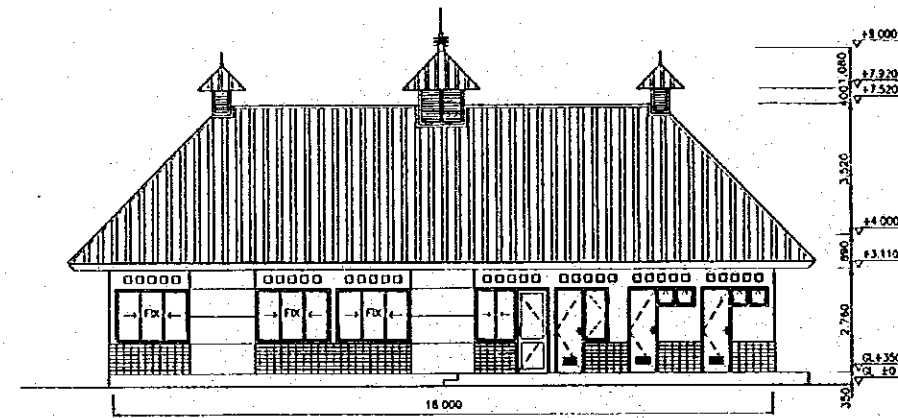
		THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT		PROVINCE CENTRAL JAVA
		COMPONENT : URBAN DRAINAGE SYSTEM IMPROVEMENT BARU PUMPING STATION COMPLEX FLOOR PLAN, ROOF PLAN, CEILING PLAN MANAGEMENT OFFICE		PROJECT NAME FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT BY SEMARANG IN THE REPUBLIC OF INDONESIA DISTRICT SEMARANG CITY DRAWING NO. AS-200/11-P-S-P-Be-08 SHEET NO. 88
JAPAN INTERNATIONAL COOPERATION AGENCY CITY ENGINEERING CO. LTD. IN ASSOCIATION WITH PACIFIC CONSULTANTS INTERNATIONAL AND PAKSI INTERNATIONAL P.T.C.		DESIGNED CHECKED APPROVED	DATE CONTRACT NO.	PROJECT MANAGER



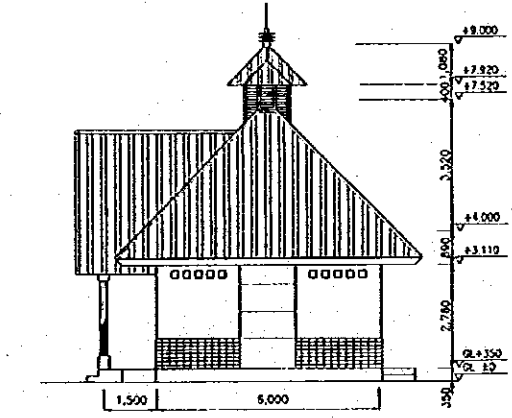
EAST ELEVATION
SCALE A A3/201



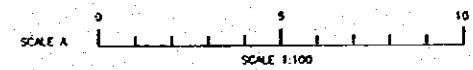
SOUTH ELEVATION
SCALE A A3/201



WEST ELEVATION
SCALE A A3/201

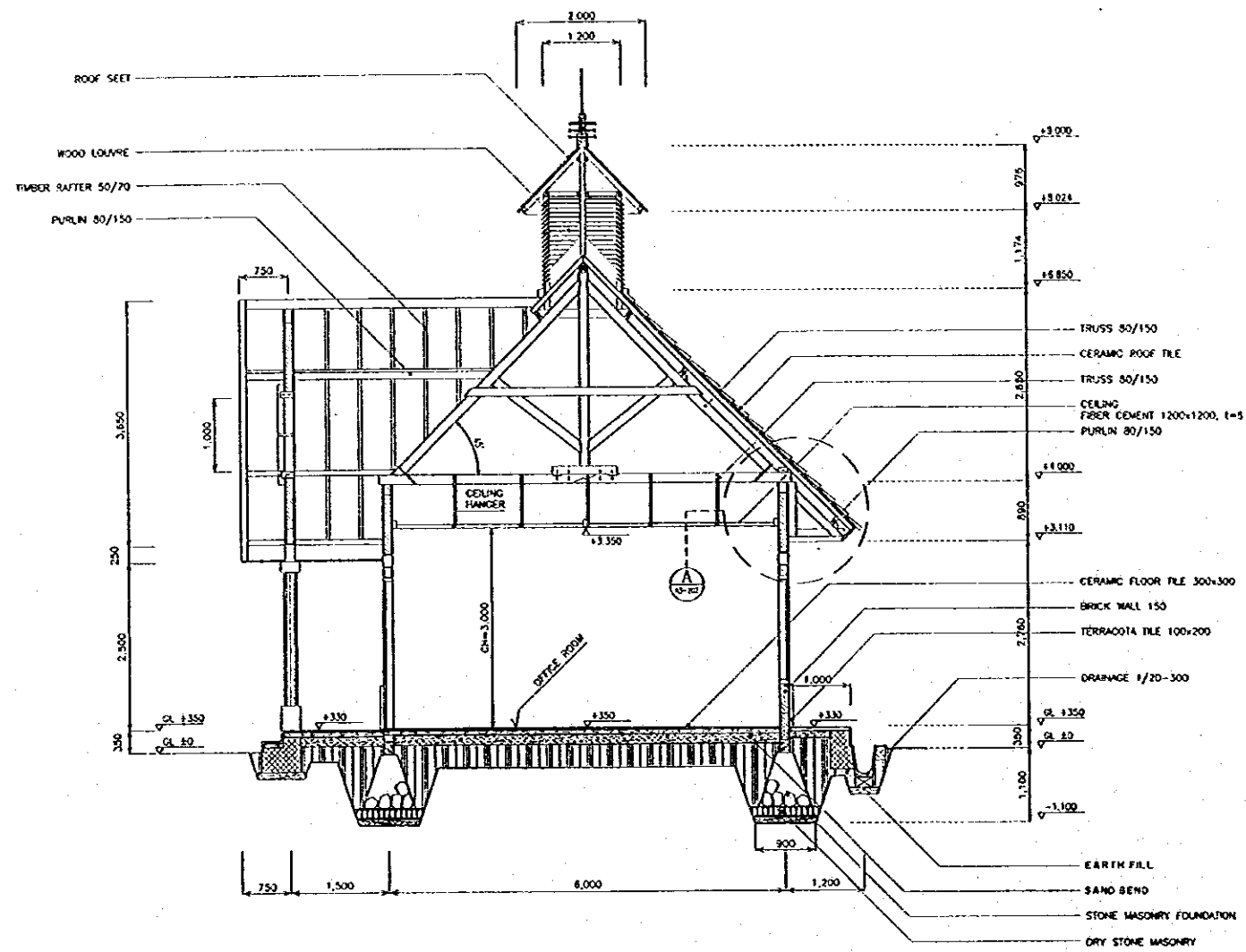


NORTH ELEVATION
SCALE A A3/201

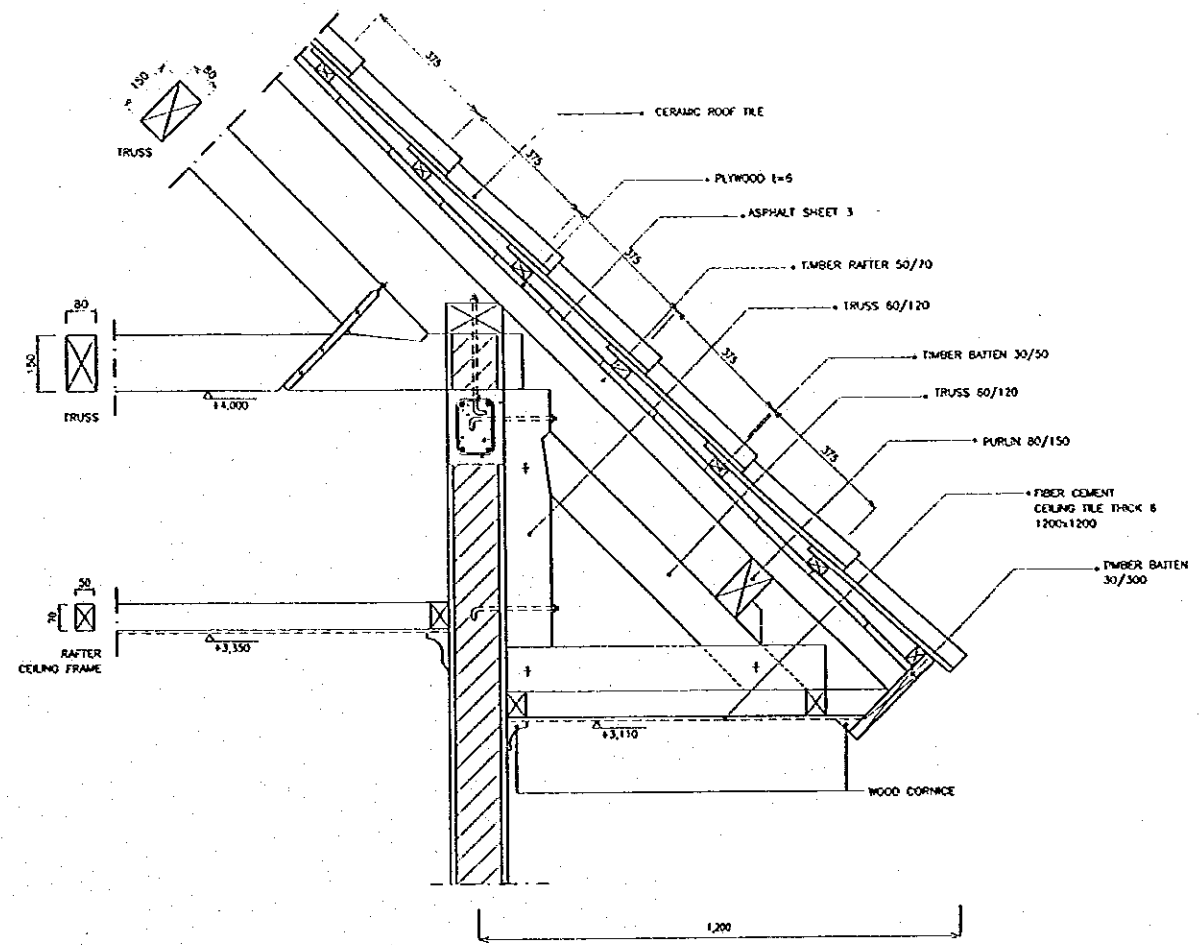


NO	DATE	REVISIONS	ORIGINATED	DESIGNED	APPROVED

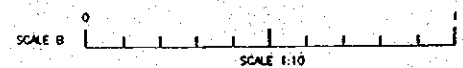
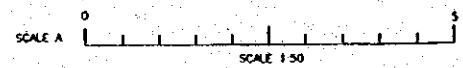
THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT		PROVINCE CENTRAL JAVA
BATUNGSELUNA FLOOD CONTROL PROJECT COMPONENT : URBAN DRAINAGE SYSTEM IMPROVEMENT BARU PUMPING STATION COMPLEX ELEVATION MANAGEMENT OFFICE		PROJECT NAME FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT IN SEMARANG IN THE REPUBLIC OF INDONESIA
DESIGNED CHECKED APPROVED CHIEF OF PLANNING AND DESIGN PROJECT MANAGER		DISTRICT SEMARANG CITY DRAWING NO. AS-201U-P.S.-P-86-87 SHEET NO. 88
DATE PROJECT MANAGER		CONTRACT NO.



SECTION
SCALE A

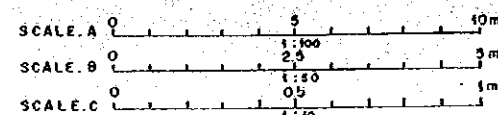
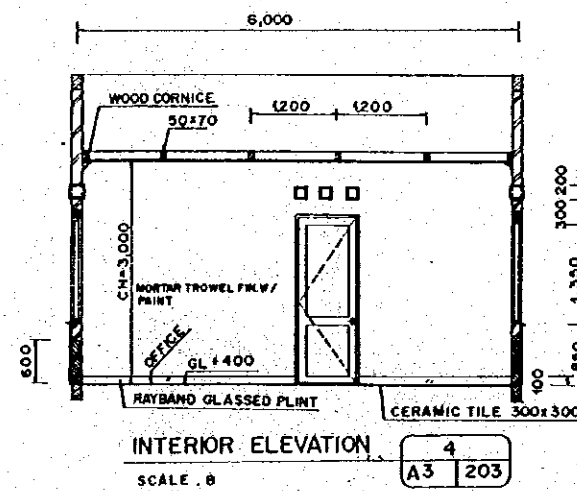
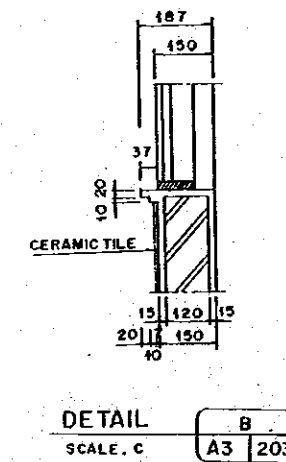
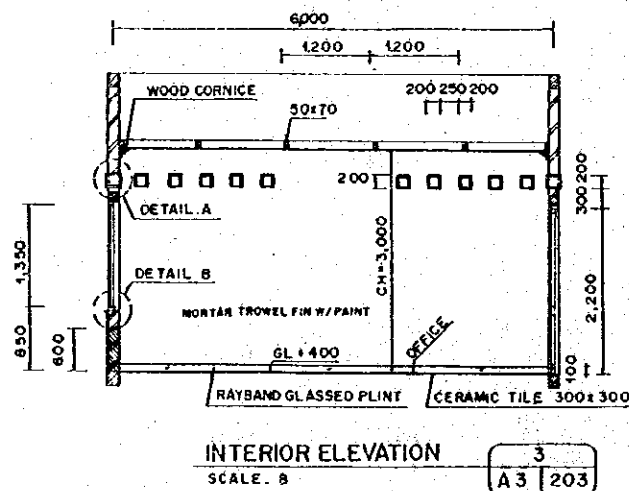
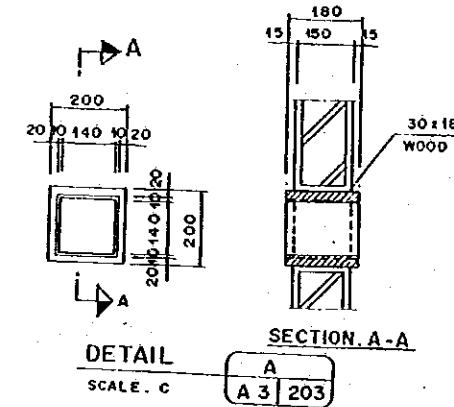
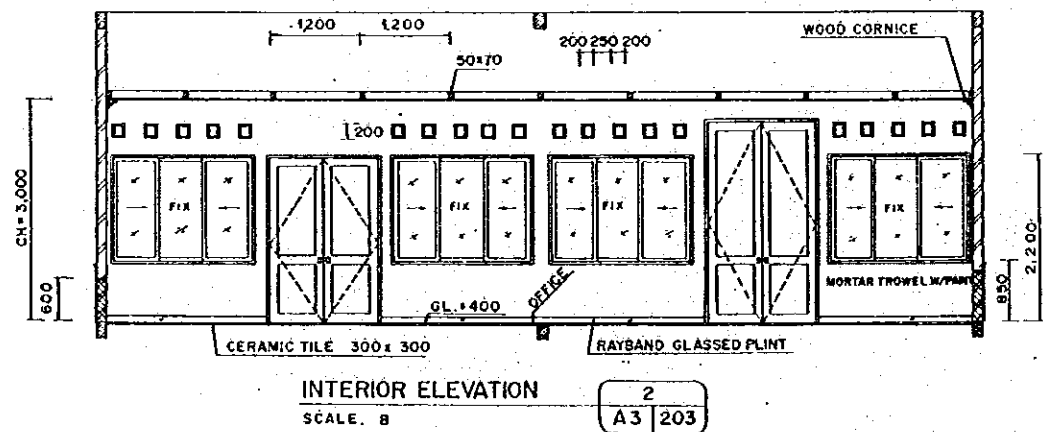
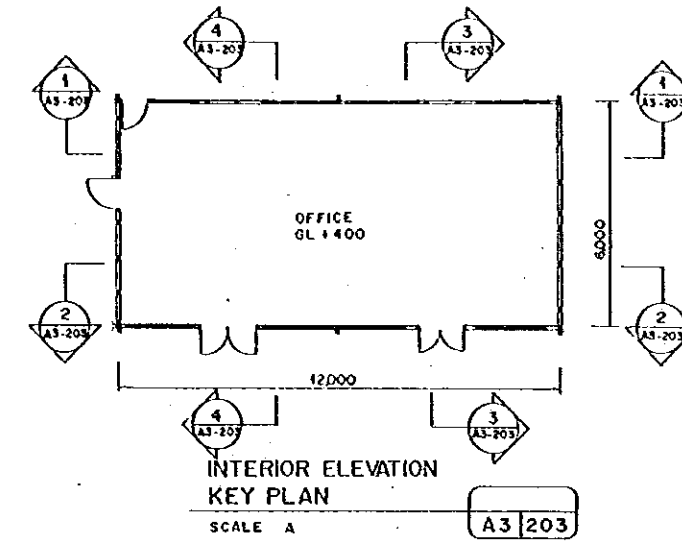
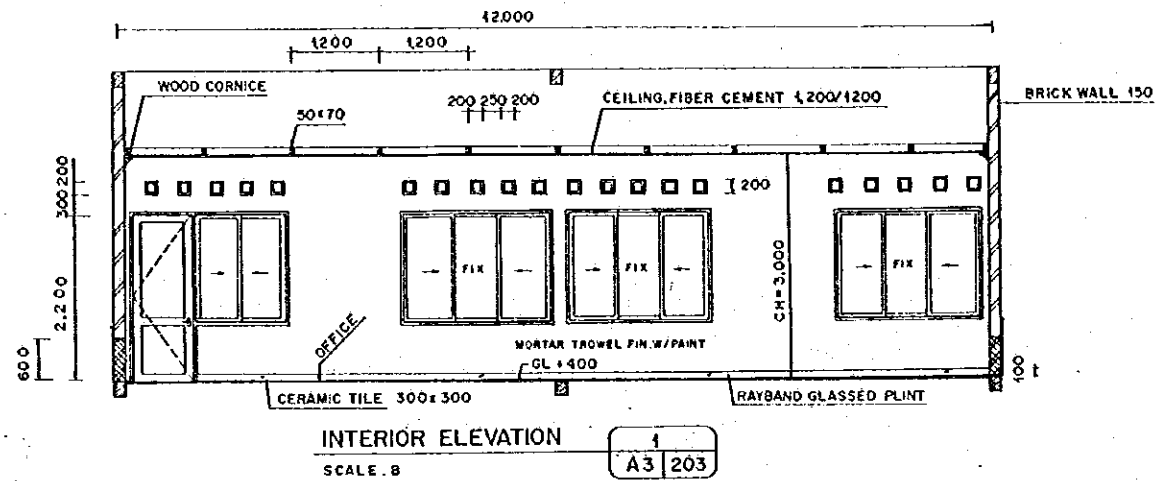


DETAIL
SCALE B



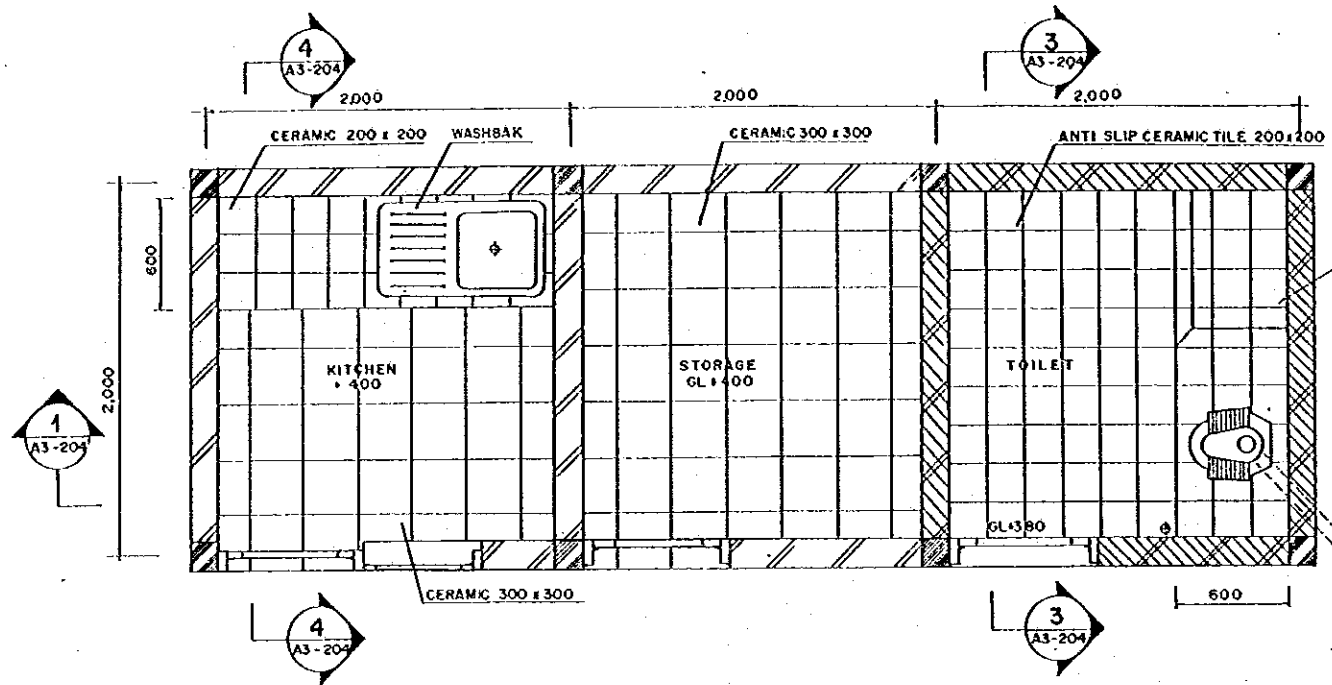
NO.	DATE	REVISIONS	ORIGINATED	DESIGNED	APPROVED

THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT		PROVINCE CENTRAL JAVA
IKATUNSELUNA FLOOD CONTROL PROJECT COMPONENT : URBAN DRAINAGE SYSTEM IMPROVEMENT BARU PUMPING STATION COMPLEX SECTION & DETAIL SECTION MANAGEMENT OFFICE		PROJECT NAME FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT OF SEMARANG BY THE REPUBLIC OF INDONESIA
JAPAN INTERNATIONAL COOPERATION AGENCY CITY DEVELOPMENT CO., LTD. (in association with PACIFIC CONSULTANTS INTERNATIONAL, AND FARCO INTERNATIONAL, INC.		DISTRICT SEMARANG CITY
DESIGNED CHECKED		DRAWING NO. AS-2023-PS-P-04-28 SHEET NO. 90
APPROVED CHIEF OF PLANNING AND DESIGN PROJECT MANAGER		DATE CONTRACT NO.

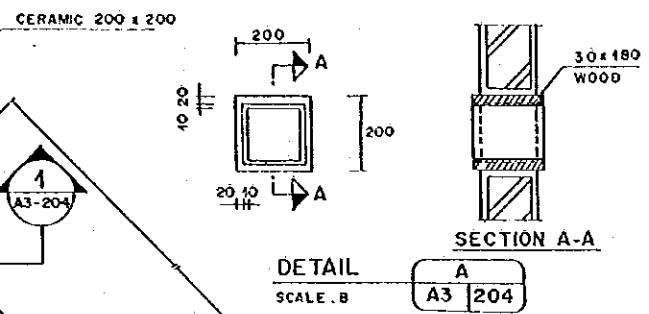


NO	DATE	REVISIONS	DRAWN	CHECKED	APPROVED

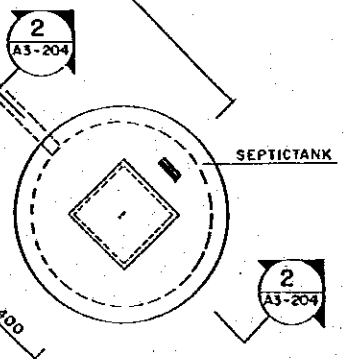
THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT		PROVINCE CENTRAL JAWA
PROJECT NAME FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT IN SEMARANG IN THE REPUBLIC OF INDONESIA		DISTRICT SEMARANG CITY
COMPONENT : URBAN DRAINAGE SYSTEM IMPROVEMENT BARU PUMPING STATION COMPLEX INTERIOR ELEVATION & DETAIL MANAGEMENT OFFICE		DRAWING NO. A3 - 203/1-PS-P-84-25 SHEET NO. 94
JAPAN INTERNATIONAL COOPERATION AGENCY CII ENGINEERING CO., LTD. IN ASSOCIATION WITH PACIFIC CONSULTANTS INTERNATIONAL AND PAKSI SISTEM TERPADU, ITC	DESIGNED CHECKED	DATE CONTRACT NO.
CHIEF OF PLANNING AND DESIGN PROJECT MANAGER		APPROVED



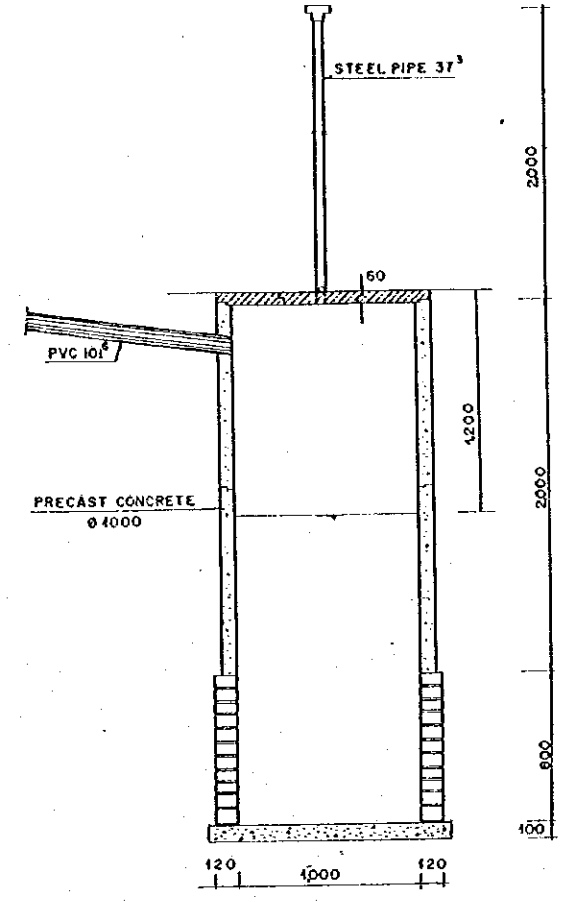
DETAIL PLAN KITCHEN STORAGE & TOILET
SCALE A
A3 204



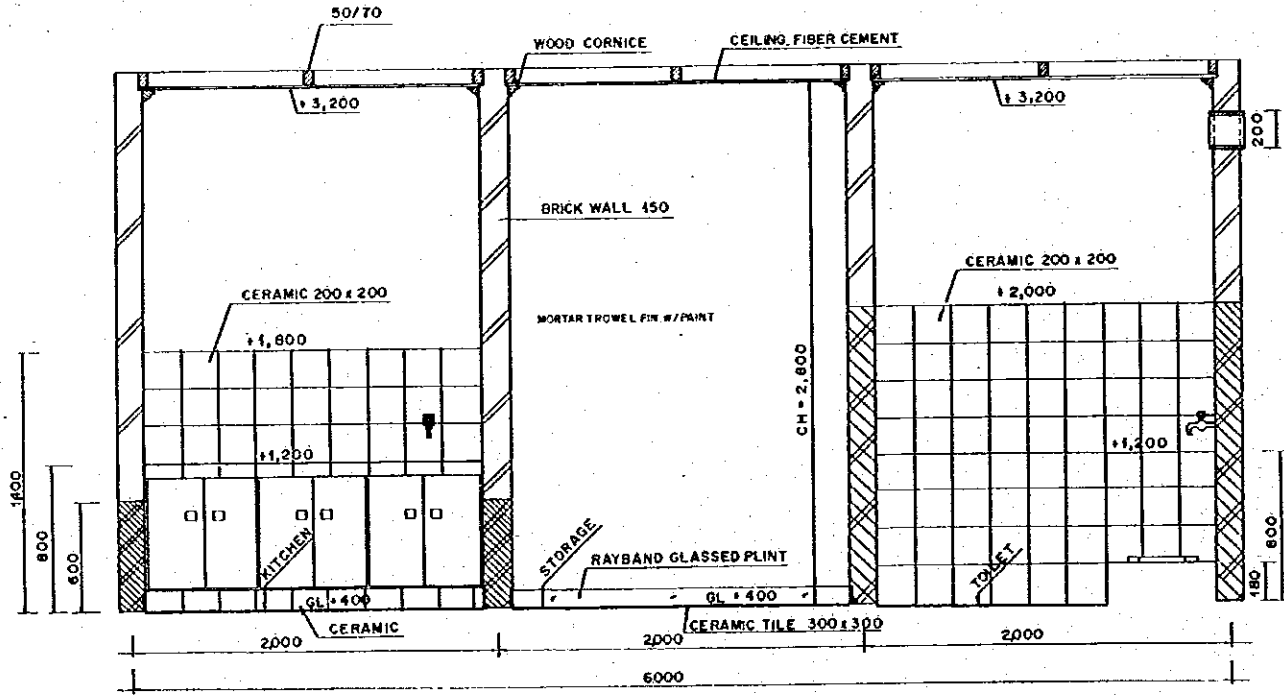
DETAIL A
SCALE B
SECTION A-A
A3 204



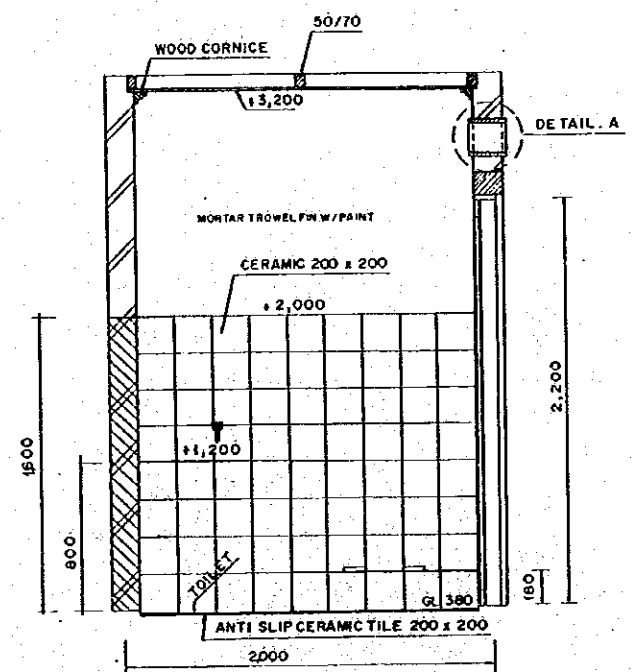
SEPTIC TANK
A3 204



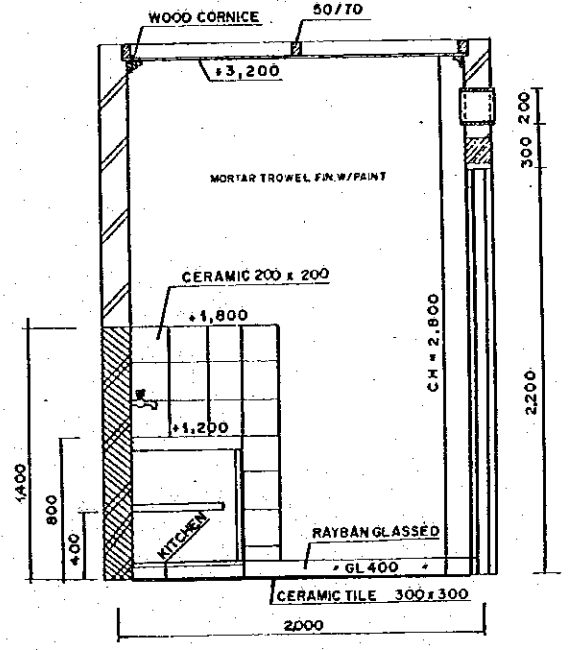
SECTION 2
SCALE A
A3 204



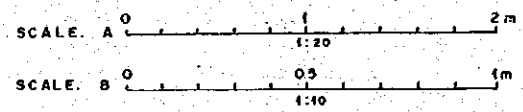
SECTION 1
SCALE A
A3 204



SECTION 3
SCALE A
A3 204



SECTION 4
SCALE A
A3 204



NO.	DATE	REVISIONS	OF	DATE	BY	APPROVED

THE REPUBLIC OF INDONESIA MINISTRY OF PUBLIC WORKS DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT AND DIRECTORATE GENERAL OF HUMAN SETTLEMENT		PROVINCE CENTRAL JAVA
IRATUNSELARA FLOOD CONTROL PROJECT COMPONENT: URBAN DRAINAGE SYSTEM IMPROVEMENT BARU PUMPING STATION COMPLEX DETAIL PLAN & DETAIL SECTION MANAGEMENT OFFICE		PROJECT NAME FLOOD CONTROL, URBAN DRAINAGE AND WATER RESOURCES DEVELOPMENT PROJECT IN SEMARANG IN THE REPUBLIC OF INDONESIA DISTRICT SEMARANG CITY DRAWING NO. A3-204 SHEET NO. 92
DESIGNED CHECKED	DATE	CONTRACT NO.
APPROVED CHIEF OF PLANNING AND DESIGN PROJECT MANAGER		DATE