

REPUBLIC OF INDONESIA
MINISTRY OF COMMUNICATIONS
DIRECTORATE GENERAL OF LAND TRANSPORT
AND INLAND WATERWAYS

**TENDER DOCUMENTS
FOR
NEW RAILWAY LINE FOR CENGKARENG AIRPORT
CONSTRUCTION PROJECT**

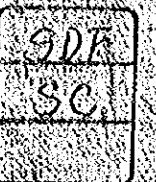
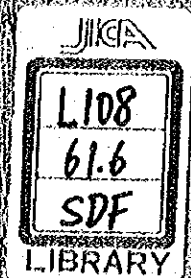
PACKAGE I CIVIL AND ARCHITECTURAL WORK

PART F DRAWINGS

3 of 3

AUGUST 1984

**JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)**



S-117

JICA LIBRARY



109433714

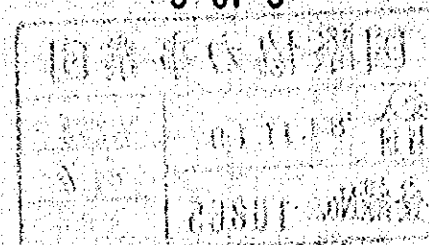
REPUBLIC OF INDONESIA
MINISTRY OF COMMUNICATIONS
DIRECTORATE GENERAL OF LAND TRANSPORT
AND INLAND WATERWAYS

**TENDER DOCUMENTS
FOR
NEW RAILWAY LINE FOR CENGKARENG AIRPORT
CONSTRUCTION PROJECT**

PACKAGE I CIVIL AND ARCHITECTURAL WORK

PART F DRAWINGS

3 of 3



AUGUST 1984

**JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)**

REPUBLIC OF INDONESIA
MINISTRY OF GOVERNMENT
DIRECTORATE GENERAL OF LAND TRANSPORT
AND MARINE AFFAIRS

TENDER DOCUMENTS
FOR
NEW RAILWAY LINE FOR CENDEKARENG AIRPORT
CONSTRUCTION PROJECT

PACKAGE 1 CIVIL AND ARCHITECTURAL WORK

PART 1 DRAWINGS

国際協力事業団	
受入 月日 '84.11.19	L108
	G1.6
登録No. 10865	SDF

マイクロ
フィッシュ作成

JAPAN INTERNATIONAL COOPERATION AGENCY

(1/1)

INDEX OF DRAWING

DWG. No.	TITLE	DWG. No.	TITLE
CS-225	KOTA INTAN STATION GENERAL VIEW (SHEET 1 OF 2)	CS-256	VIADUCT V129 GENERAL VIEW (SHEET 1 OF 2)
226	— DO — (SHEET 2 OF 2)	257	— DO — (SHEET 2 OF 2)
227	PLATFORM VP1, VP3 GENERAL VIEW	258	VIADUCT V129 BAR ARRANGEMENT (SHEET 1 OF 14)
228	PLATFORM VP2 GENERAL VIEW	259	— DO — (SHEET 2 OF 14)
229	PLATFORM VP2 BAR ARRANGEMENT (SHEET 1 OF 6)	260	— DO — (SHEET 3 OF 14)
230	— DO — (SHEET 2 OF 6)	261	— DO — (SHEET 4 OF 14)
231	— DO — (SHEET 3 OF 6)	262	— DO — (SHEET 5 OF 14)
232	— DO — (SHEET 4 OF 6)	263	— DO — (SHEET 6 OF 14)
233	— DO — (SHEET 5 OF 6)	264	— DO — (SHEET 7 OF 14)
234	— DO — (SHEET 6 OF 6)	265	— DO — (SHEET 8 OF 14)
235	PLATFORM VP4, VP6 GENERAL VIEW (SHEET 1 OF 2)	266	— DO — (SHEET 9 OF 14)
236	— DO — (SHEET 2 OF 2)	267	— DO — (SHEET 10 OF 14)
237	PLATFORM VP5 GENERAL VIEW	268	— DO — (SHEET 11 OF 14)
238	PLATFORM VP5 BAR ARRANGEMENT (SHEET 1 OF 7)	269	— DO — (SHEET 12 OF 14)
239	— DO — (SHEET 2 OF 7)	270	— DO — (SHEET 13 OF 14)
240	— DO — (SHEET 3 OF 7)	271	— DO — (SHEET 14 OF 14)
241	— DO — (SHEET 4 OF 7)	272	BRIDGE B15 GENERAL VIEW (SHEET 1 OF 3)
242	— DO — (SHEET 5 OF 7)	273	— DO — (SHEET 2 OF 3)
243	— DO — (SHEET 6 OF 7)	274	— DO — (SHEET 3 OF 3)
244	— DO — (SHEET 7 OF 7)	275	R.C. GIRDER RC101, RC102 GENERAL VIEW
245	PLATFORM VP7, VP9 GENERAL VIEW	276	R.C. GIRDER RC103~RC120 GENERAL VIEW (SHEET 1 OF 2)
246	PLATFORM VP8 GENERAL VIEW	277	— DO — (SHEET 2 OF 2)
247	PLATFNRM RCP1, RCP2 GENERAL VIEW	278	R.C. GIRDER RC103 BAR ARRANGEMENT (SHEET 1 OF 3)
248	PLATFORM RCP1 BAR ARRANGEMENT (SHEET 1 OF 3)	279	— DO — (SHEET 2 OF 3)
249	— DO — (SHEET 2 OF 3)	280	— DO — (SHEET 3 OF 3)
250	— DO — (SHEET 3 OF 3)	281	PIER P101~P120 GENERAL VIEW
251	GENERAL VIEW OF VIADUCT AT OVER-PASS OF THE WESTERN LINE	282	PIER P101 BAR ARRANGEMENT (SHEET 1 OF 2)
252	VIADUCT V127 GENERAL VIEW (SHEET 1 OF 2)	283	— DO — (SHEET 2 OF 2)
253	— DO — (SHEET 2 OF 2)	284	ABUTMENT Ab101 GENERAL VIEW
254	VIADUCT V128 GENERAL VIEW (SHEET 1 OF 2)	285	BRIDGE B16 DETAILS OF THROUGH PLATE GIRDER
255	— DO — (SHEET 2 OF 2)	286	ABUTMENT Ab102, Ab103 GENERAL VIEW

INDEX OF DRAWING

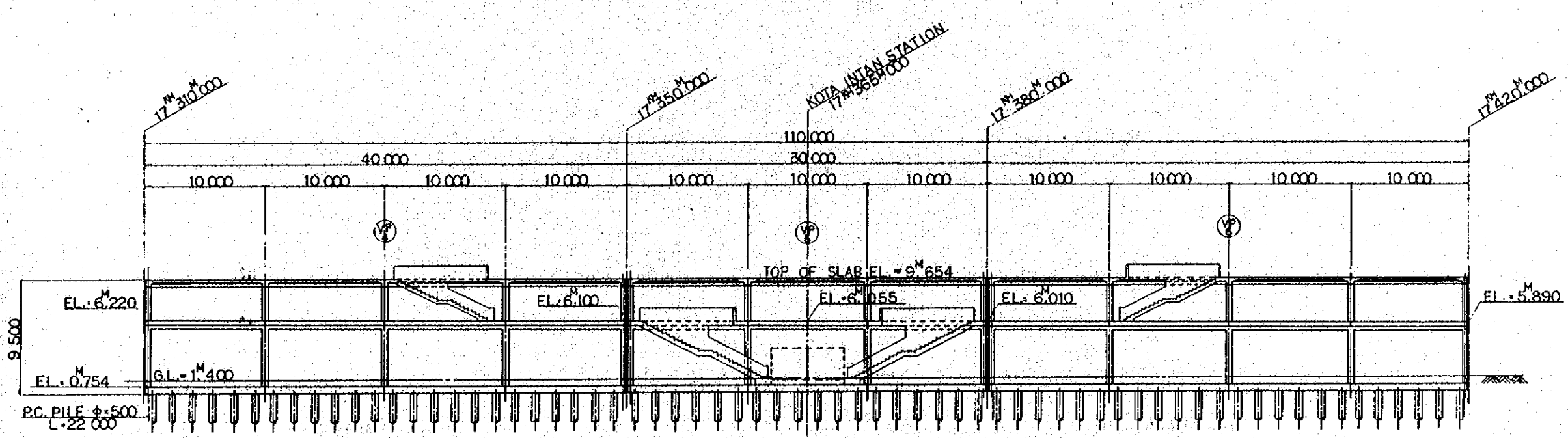
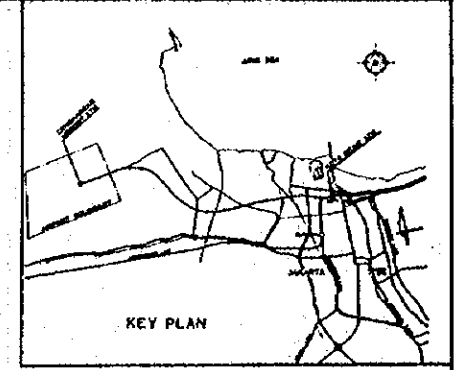
DWG. No.	TITLE	DWG. No.	TITLE
CS-287	ABUTMENT Ab102 BAR ARRANGEMENT	AA-001	EXTERNAL FINISH SCHEDULE
288	DETAILS OF MISCELLANEOUS WORK FOR VIADUCTS AND BRIDGE SUPERSTRUCTURES	002	INTERNAL FINISH SCHEDULE (SHEET 1 OF 3)
289	DETAILS OF DRAIN FOR VIADUCTS AND BRIDGE SUPERSTRUCTURES	003	— DO — (SHEET 2 OF 3)
290	DETAILS OF PRESTRESSED CONCRETE PILES (SHEET 1 OF 2)	004	— DO — (SHEET 3 OF 3)
291	— DO — (SHEET 2 OF 2)	005	AIRPORT TERMINAL STATION SITE PLAN
292	DEMOLITION OF U SHAPED REINFORCED CONCRETE DITCH AT STA. 2 ^{KM} 021.200	006	— DO — TERMINAL BUILDING 1F PLAN
CA-001	PLAN OF JIAC	007	— DO — — DO — 2F PLAN
002	PLATFORM WALL GENERAL VIEW AND BAR ARRANGEMENT	008	— DO — — DO — 3F PLAN AND ROOF PLAN
003	CONCRETE STRUCTURE FOR HYDRAULIC DAMPER TYPE BUFFER STOP (SHEET 1 OF 2)	009	— DO — BOOKING OFFICE FLOOR PLAN AND ROOF PLAN
004	— DO — (SHEET 2 OF 2)	010	— DO — ELEVATIONS
005	SEMI-GRAVITY TYPE RETAINING WALL FOR SIGNAL STATION AT STA. 0 ^{KM} 200 ^M	011	— DO — TERMINAL BUILDING ELEVATIONS
006	CONCRETE PAVING IN AIRPORT STATION YARD	012	— DO — BOOKING OFFICE ELEVATIONS
007	INTERNAL ROADS DETAIL AIRPORT STATION AREA	013	AIRPORT TERMINAL STATION TERMINAL BUILDING SECTIONS (SHEET 1 OF 2)
008	PROFILE OF INTERNAL ROADS (SHEET 1 OF 2)	014	— DO — (SHEET 2 OF 2)
009	— DO — (SHEET 2 OF 2)	015	— DO — WALL SECTION AND DETAILS
010	CROSS SECTIONS OF INTERNAL ROADS	016	— DO — BOOKING OFFICE SECTIONS
011	ALLOCATION AND DETAIL OF CONCRETE CURBING	017	— DO — WALL SECTION AND DETAILS
012	ALLOCATION AND PROFILE OF DRAINAGE PIPES	018	— DO — ROOF PLAN
013	DETAILS OF DRAINAGE PIPE AND CATCH BASIN	019	— DO — LANDSCAPING PLAN
014	ROAD MARKINGS	020	— DO — FURNITURE LAYOUT PLAN (SHEET 1 OF 4)
015	ROADWAY SIGNS	021	— DO — (SHEET 2 OF 4)
016	PLAN AND PROFILE OF SIDE DITCHES	022	— DO — (SHEET 3 OF 4)
017	PROFILE OF SIDE DITCHES IN AIRPORT STATION YARD	023	— DO — (SHEET 4 OF 4)
018	DETAILS OF SIDE DITCH	024	KOTA INTAN STATION SITE PLAN
019	PLAN AND DETAILS OF BOX CULVERT AT STA. 0 ^{KM} 050 ^M	025	— DO — 1F PLAN
020	— DO — STA. 0 ^{KM} 170 ^M	026	— DO — 2F PLAN
021	— DO — STA. 2 ^{KM} 044 ^M	027	— DO — ELEVATIONS (SHEET 1 OF 2)
022	PAVEMENT DETAIL OF LEVEL CROSSING AT STA. 2 ^{KM} 044 ^M	028	— DO — (SHEET 2 OF 2)
AG-001	GENERAL NOTES	029	— DO — SECTIONS (SHEET 1 OF 2)
002	ABBREVIATIONS	030	— DO — (SHEET 2 OF 2)
003	LEGEND	031	— DO — WALL SECTION

INDEX OF DRAWING

DWG. No.	TITLE	DWG. No.	TITLE
AA-032	— DO — ROOF PLAN	AS-019	SIGNAL CABIN A, B AND CROSSING WATCHMAN'S BOX FRAMING PLAN
033	— DO — LANDSCAPING PLAN	020	SIGNAL CABIN A FRAMING DETAIL
034	— DO — FURNITURE LAYOUT PLAN (SHEET 1 OF 2)	021	SIGNAL CABIN B FRAMING DETAIL
035	— DO — (SHEET 2 OF 2)	022	CROSSING WATCHMAN'S BOX FRAMING DETAIL
036	— DO — STATION PLAZA PLAN (SHEET 1 OF 2)	AM-001	AIRPORT TERMINAL BUILDING VAC GENERAL NOTES AND APPARATUS SCHEDULE
037	— DO — (SHEET 2 OF 2)	002	— DO — 1F PLAN
038	— DO — SECTION	003	— DO — 2F PLAN
039	— DO — DETAILS	004	— DO — 3F PLAN
040	SIGNAL CABIN A	005	— DO — PLUMBING GENERAL NOTES AND FIXTURES SCHEDULE
041	— DO — B	006	— DO — 1F PLAN
042	CROSSING WATCHMAN'S BOX	007	— DO — 2F PLAN
043	DOORS AND WINDOWS SCHEDULE (SHEET 1 OF 2)	008	— DO — 3F PLAN
044	— DO — (SHEET 2 OF 2)	009	— DO — DETAIL PLAN
AS-001	FOUNDATION SCHEDULE	010	GENERAL SITE PLAN OF PLUMBING AND IRRIGATION SYSTEM
002	COLUMN AND GIRDER SCHEDULE	011	BOOKING OFFICE VAC GENERAL NOTES AND APPARATUS SCHEDULE
003	BEAM, SLAB AND WALL SCHEDULE	012	— DO — 1F AND RF PLAN
004	AIRPORT TERMINAL STATION FOUNDATION PLAN	013	BOOKING OFFICE PLUMBING GENERAL NOTES AND FIXTURES SCHEDULE
005	— DO — ROOF FRAMING PLAN	014	— DO — 1F PLAN
006	— DO — FRAMING PLAN	015	— DO — DETAIL PLAN
007	— DO — FRAMING ELEVATION (SHEET 1 OF 2)	016	KOTA INTAN STATION VAC GENERAL NOTES AND APPARATUS SCHEDULE
008	— DO — (SHEET 2 OF 2)	017	— DO — 1F PLAN
009	— DO — FRAMING DETAIL (SHEET 1 OF 4)	018	— DO — 2F PLAN
010	— DO — (SHEET 2 OF 4)	019	— DO — RF PLAN
011	— DO — (SHEET 3 OF 4)	020	KOTA INTAN STATION PLUMBING GENERAL NOTES AND APPARATUS SCHEDULE
012	— DO — (SHEET 4 OF 4)	021	— DO — 1F PLAN
013	KOTA INTAN STATION ROOF FRAMING PLAN	022	— DO — 2F PLAN
014	— DO — FRAMING PLAN	023	— DO — RF PLAN
015	KOTA INTAN STATION FRAMING ELEVATION (SHEET 1 OF 2)	024	— DO — SEPTIC TANK
016	— DO — (SHEET 2 OF 2)	025	— DO — GENERAL SITE PLAN OF PLUMBING AND IRRIGATION SYSTEM
017	— DO — FRAMING DETAIL (SHEET 1 OF 2)	026	SIGNAL CABIN A VAC AND PLUMBING 1F, 2F PLAN AND APPARATUS SCHEDULE
018	— DO — (SHEET 2 OF 2)	027	SIGNAL CABIN B VENTILATION AND PLUMBING 1F, 2F PLAN AND APPARATUS SCHEDULE

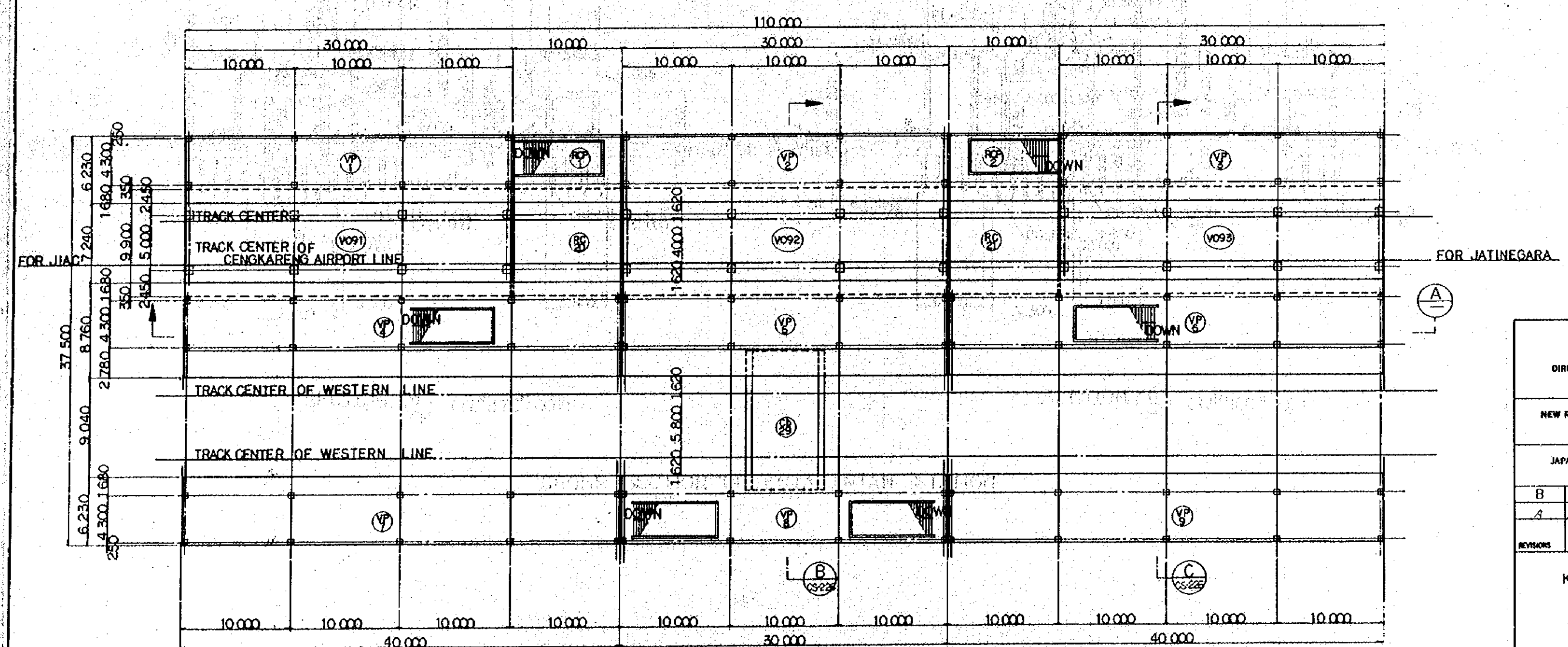
INDEX OF DRAWING

DWG. No.	TITLE	DWG. No.	TITLE
AM-028	KOTA INTAN STATION PLUMBING DETAIL PLAN		
AE-001	LIGHTING AND RECEPTACLE SYSTEM AIRPORT TERMINAL STATION PLATFORM		
002	— DO — TERMINAL BUILDING 1F		
003	— DO — 2F		
004	— DO — 3F		
005	— DO — BOOKING OFFICE		
006	— DO — AIRPORT TERMINAL STATION STATION PLAZA		
007	— DO — KOTA INTAN STATION PLATFORM		
008	— DO — 1F		
009	— DO — 2F		
010	— DO — CORRIDOR		
011	— DO — STATION PLAZA		
012	— DO — SIGNAL CABIN A		
013	— DO — SIGNAL CABIN B AND CROSSING WATCHMAN'S BOX		
014	DISTRIBUTION BOARD SINGLE WIRE DIAGRAM, AIRPORT TERMINAL STATION (SHEET 1 OF 2)		
015	— DO — (SHEET 2 OF 2)		
016	— DO — BOOKING OFFICE		
017	DISTRIBUTION BOARD SINGLE WIRE DIAGRAM, KOTA INTAN STATION STATION BUILDING (SHEET 1 OF 2)		
018	— DO — (SHEET 2 OF 2)		
019	DISTRIBUTION BOARD SINGLE WIRE DIAGRAM, KOTA INTAN STATION PLATFORM		
020	— DO — SIGNAL CABIN A		
021	— DO — SIGNAL CABIN B		
022	STANDARD DETAIL OF LIGHTING FIXTURE		
EC-015	DETAILS OF V-TRUSS BEAM(2)		
016	DETAILS OF CONCRETE POLE FOUNDATION		
017	DETAILS OF GUY		
020	DETAILS OF AUTOMATIC TENSIONING EQUIPMENT		
021	DETAILS OF PULL-OFF AND STEADY BRACE		
025	DIAGRAMMATIC PLAN OF TRACTION POWER DISTRIBUTION LINE FOR JAKARTA KOTA STATION		
ES-035	MODIFICATION OF EXISTING SIGNAL EQUIPMENT AT JAKARTA KOTA STATION		



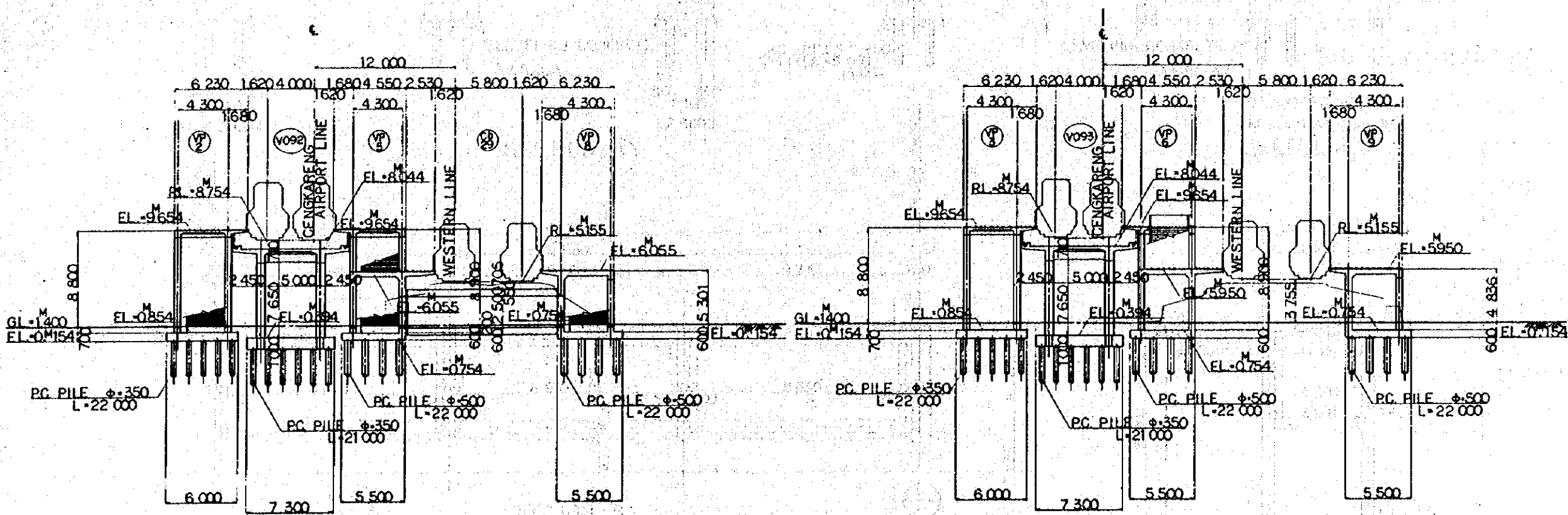
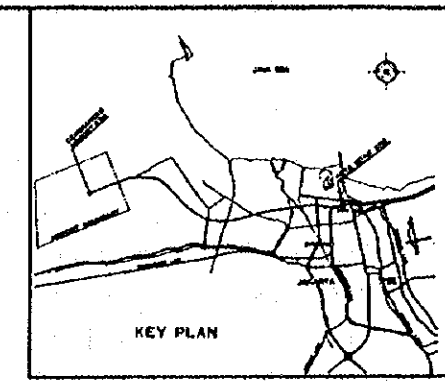
SECTION A

NOTE :
 1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED



PLAN

REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1 AUG '84	K.P.	M.Y.	K.A.	K.M.	M.K.
A	15 FEB '84	K.P.	M.Y.	K.A.	K.M.	M.K.
REVISORS	DATE	DESIGNED	DRAWN	CHECKED	APPROVED	INCHARGE
KOTA INTAN STATION GENERAL VIEW (SHEET 1 OF 2)						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE: 1:200		DRAWING NO: CS-225				



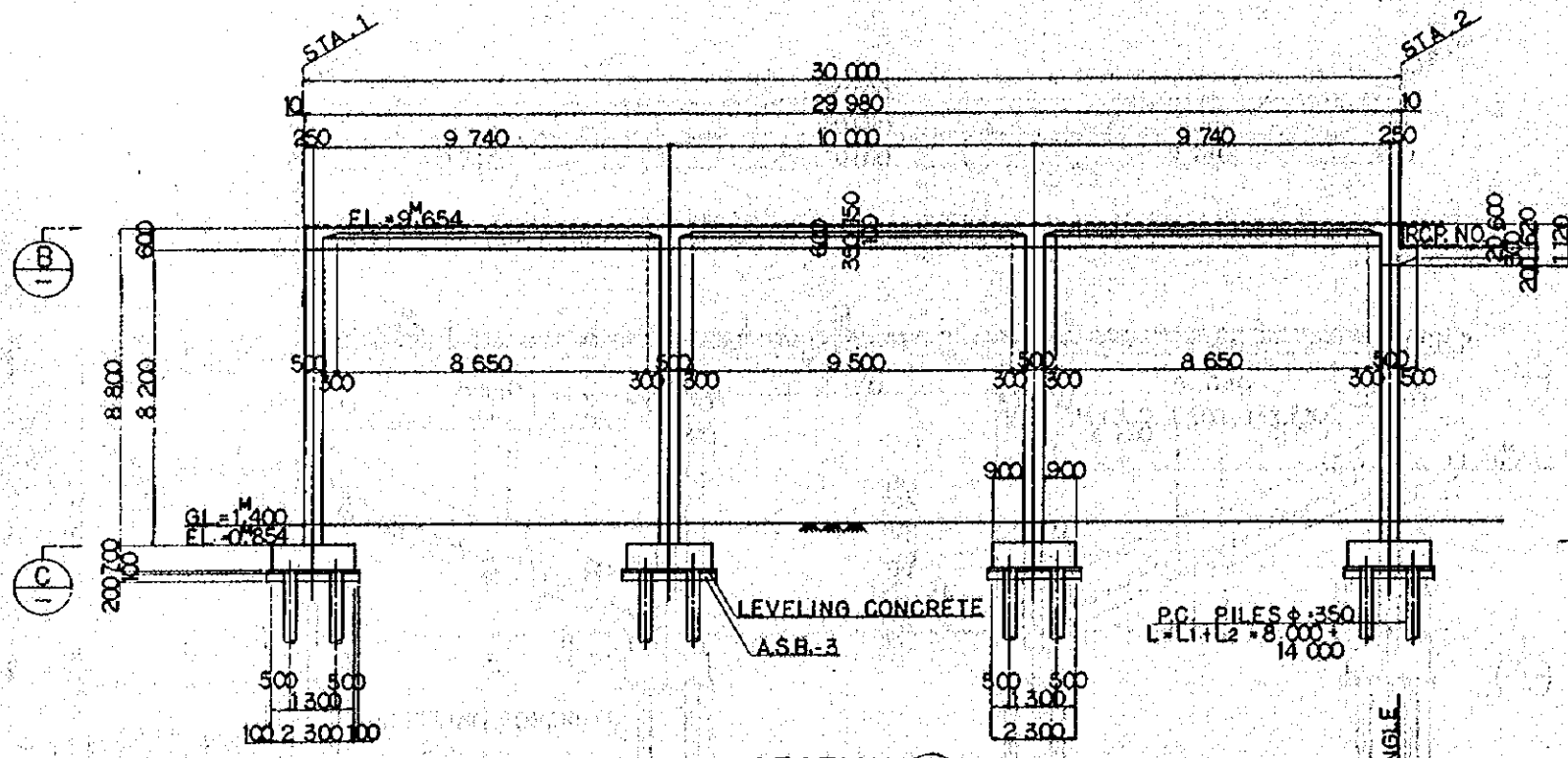
SECTION B (17M370M000)

SECTION C (17M400M000)

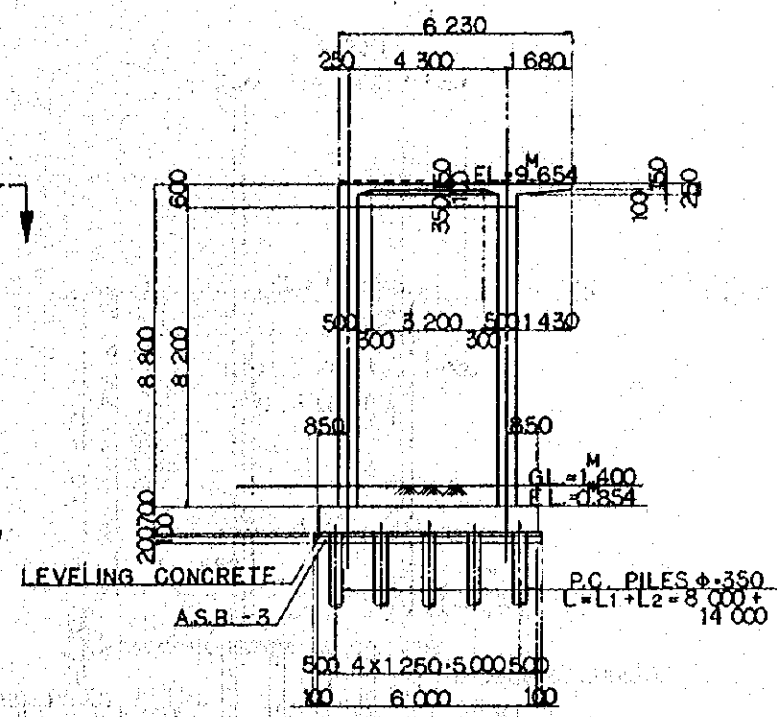
CROSS SECTION OF KOTA INTAN STATION

NOTE:
1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED

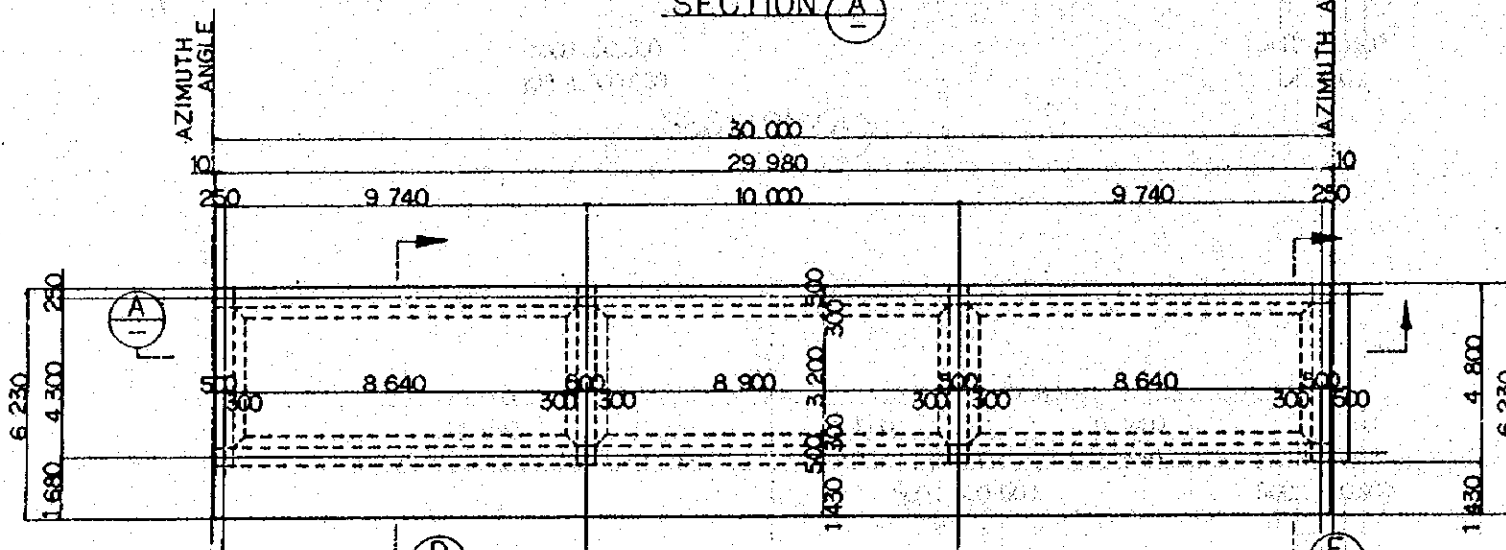
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED
B	1 AUG 84	K.Y.M.Y.	K.A.K.M.K.	K.A.K.M.K.	K.A.K.M.K.
A	15 FEB 84	K.Y.M.Y.	K.A.K.M.K.	K.A.K.M.K.	K.A.K.M.K.
KOTA INTAN STATION GENERAL VIEW (SHEET 2 OF 2)					
PACKAGE: 1 CIVIL AND ARCHITECTURAL WORK					
SCALE	DRAWING NO.				
1:200	CS-226				



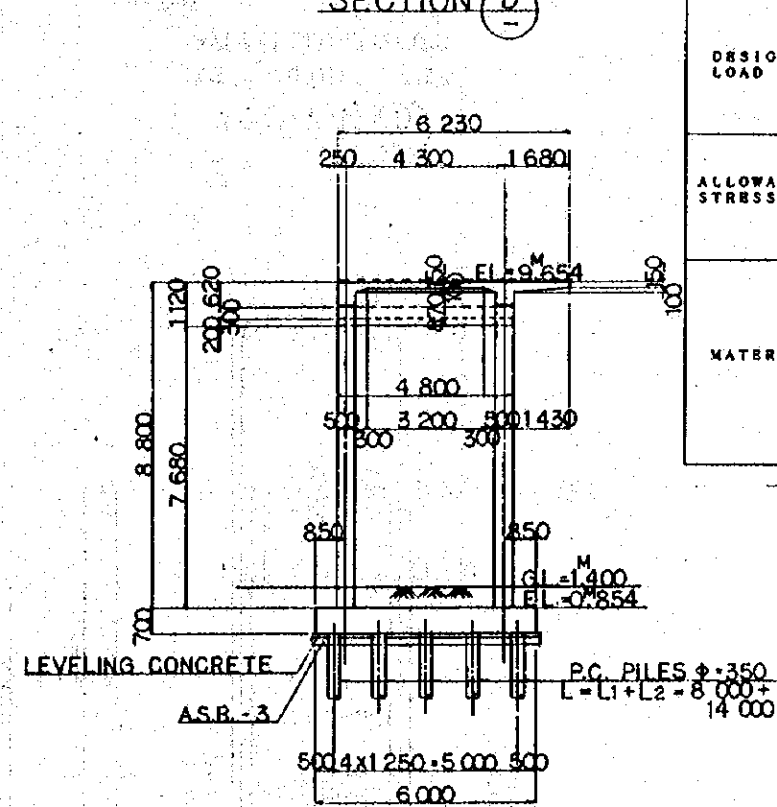
SECTION A



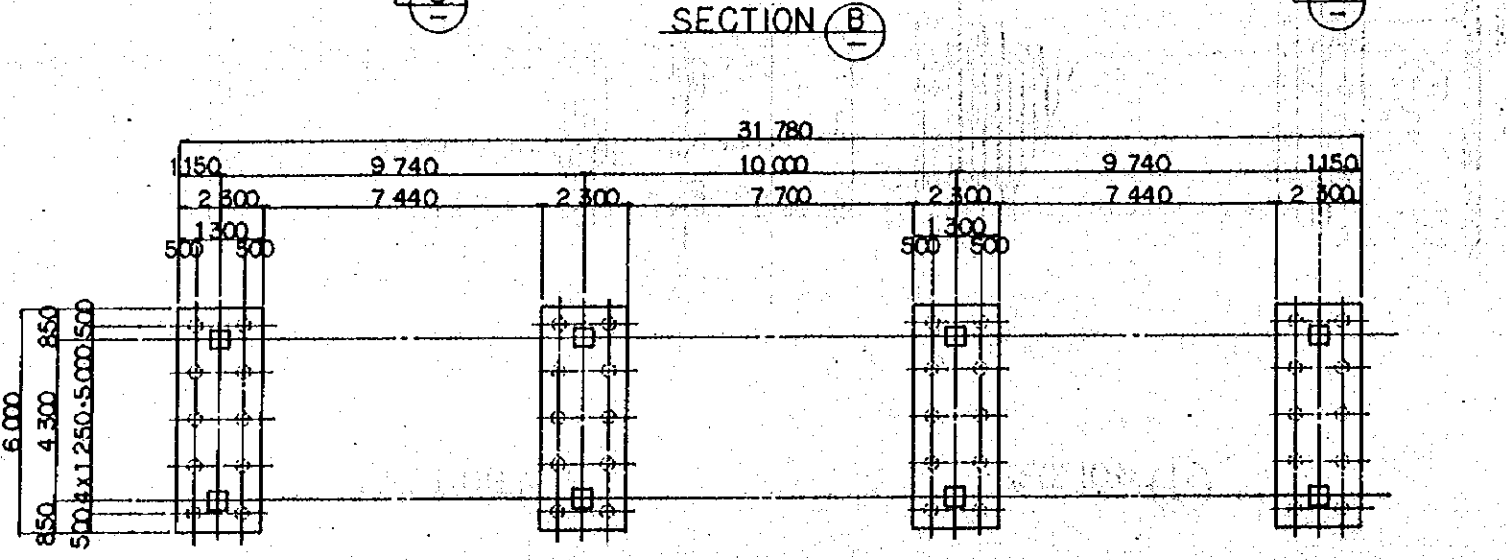
SECTION D



SECTION B



SECTION E



SECTION C

- NOTES :
1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
 2. REFERENCE DRAWING FOR BAR ARRANGEMENT: CS-229-233.
 3. TYPES OF PC PILE
 - 3.1 BOTTOM SURFACE OF FOOTING
 - 3.2 PC PILE CLASS B.
 - 3.3 PC PILE CLASS A.

DESIGN CRITERIA

DESIGN LOAD	TRAIN LOAD	EQUIVALENT TO KS-16
	SEISMIC EFFECT	IN HORIZONTAL DIRECTION $K_h=0.1$ IN VERTICAL DIRECTION $K_v=0$
ALLOWABLE STRESS	REINFORCING BAR	ALLOWABLE TENSILE STRESS 140 kg/cm ²
	CONCRETE	ALLOWABLE COMPRESSIVE STRESS 90 kg/cm ²
MATERIAL	TYPE OF REINFORCING BAR	SD-36
	CONCRETE OF DESIGN CRITERIA STRENGTH	$\sigma'_{ck}=140 \text{ kg/cm}^2$
	MAX SIZE OF COARSE AGGREGATE	25mm

DIMENSION SCHEDULE

	STATION	AZIMUTH ANGLE	RCP NO.
VP 1	STA.1 17 ^{km} 310 ^m .000	345° 30' 45"	---
	STA.2 17 ^{km} 340 ^m .000	'	RCP 1
VP 3	STA.2 17 ^{km} 380 ^m .000	345° 30' 45"	RCP 2
	STA.1 17 ^{km} 420 ^m .000	'	---

REPUBLIC OF INDONESIA
 MINISTRY OF COMMUNICATIONS
 DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT
 CONSTRUCTION PROJECT

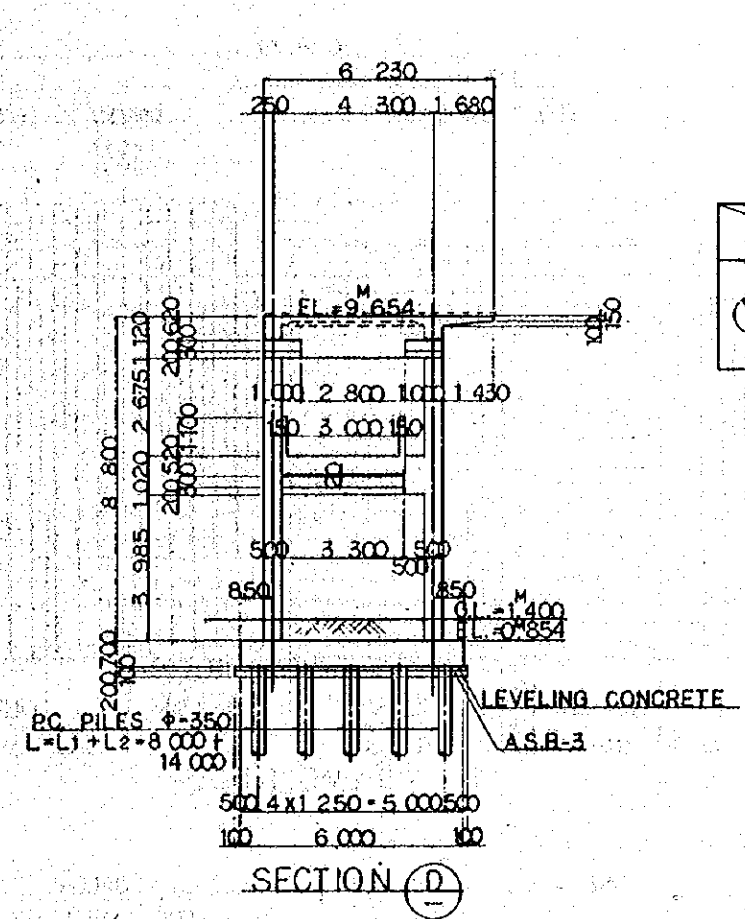
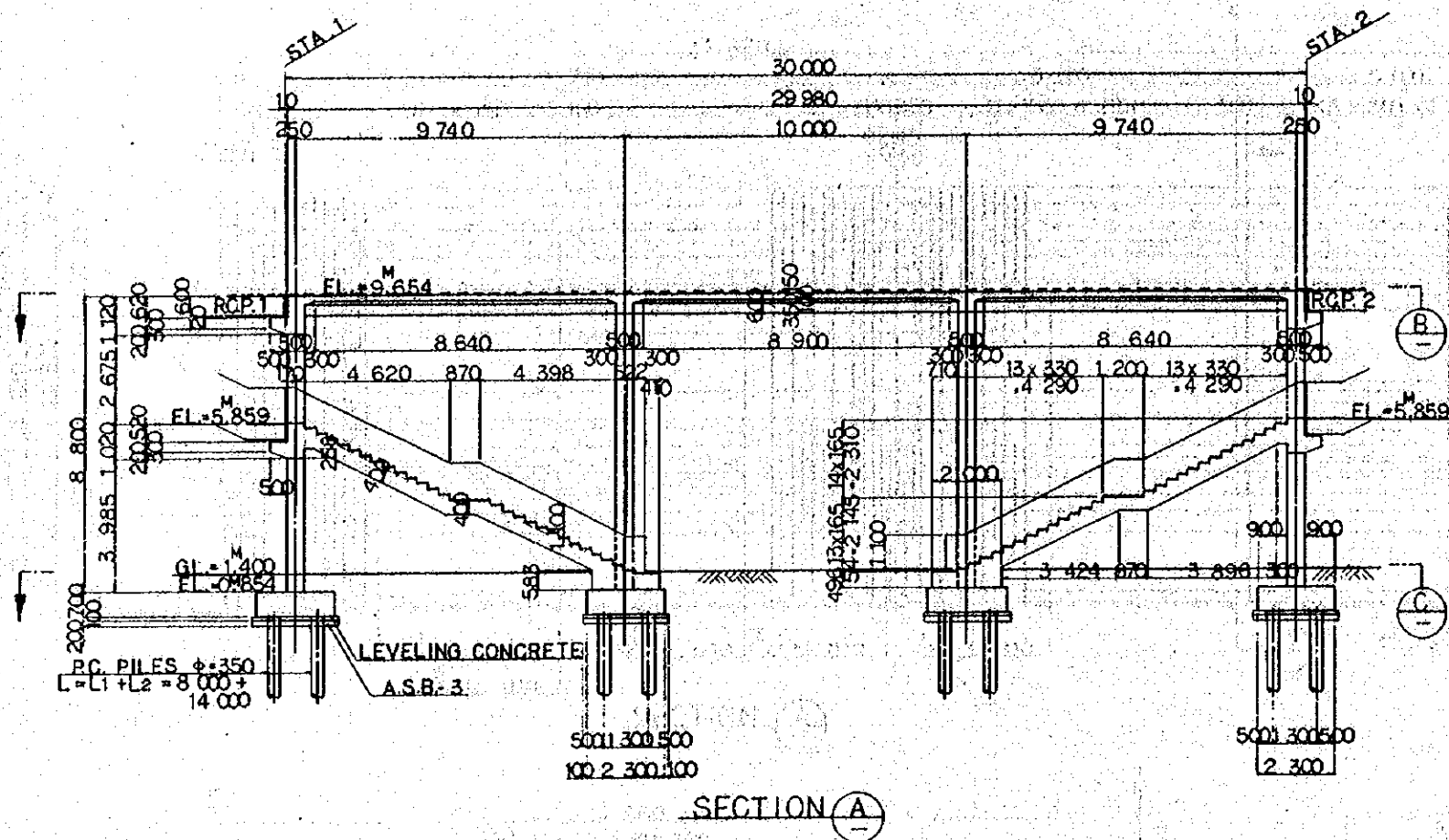
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

B	1 AUG 84	K.V.	M.Y.	K.A.	K.M.	M.K.
A	1 FEB 84	K.V.	M.Y.	K.A.	K.M.	M.K.

REVISIONS: DATE, DESIGNED, DRAWN, CHECKED, REVISION, SUBMITTED

PLATFORM VP1, VP3
 GENERAL VIEW

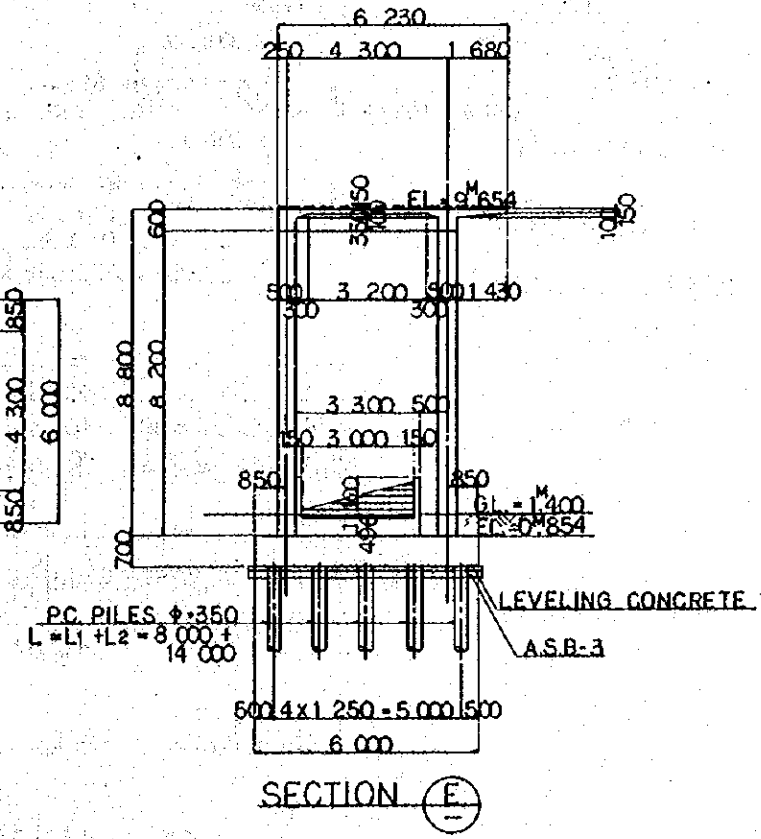
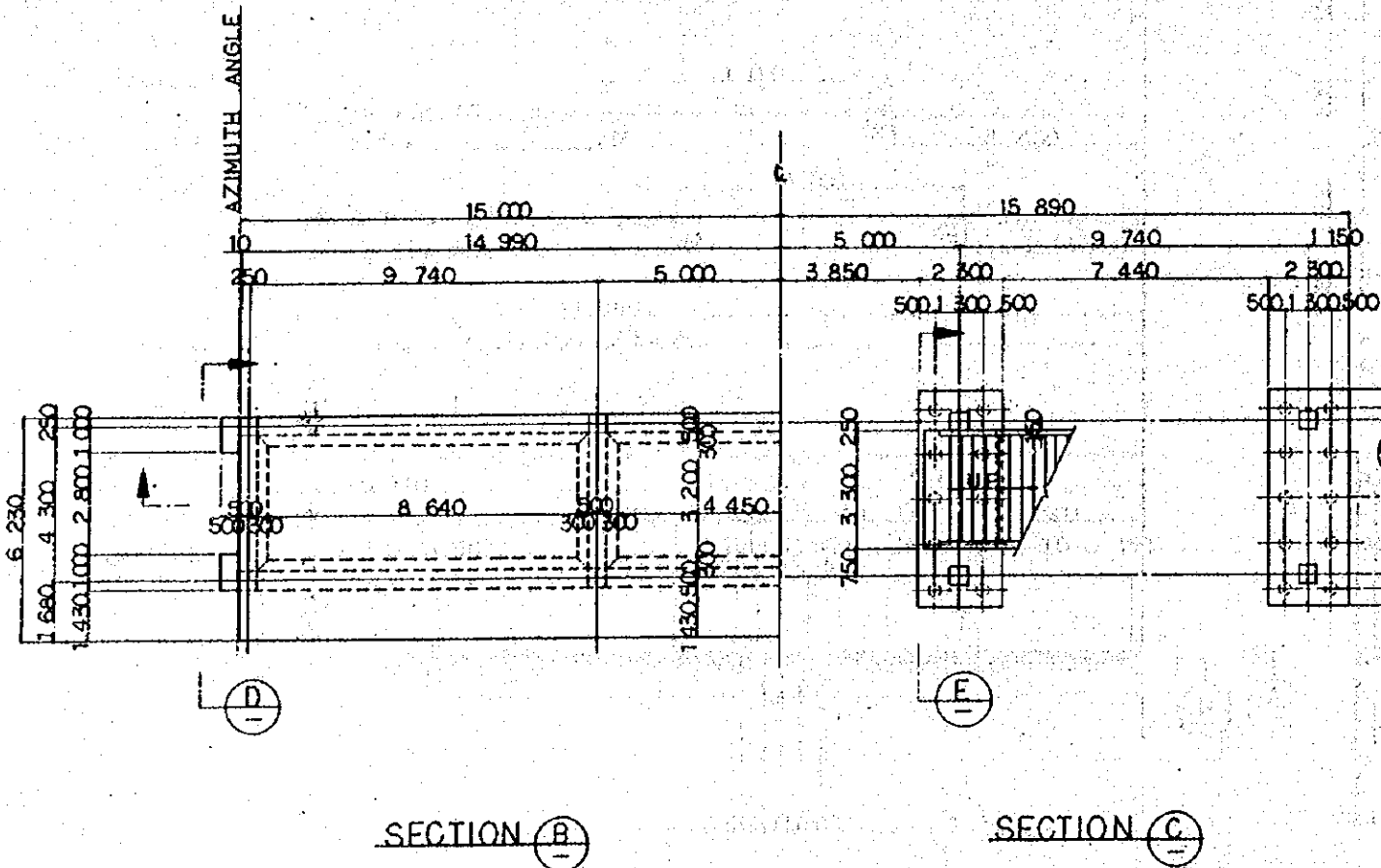
PACKAGE: I CIVIL AND ARCHITECTURAL WORK
 SCALE: 1:100 DRAWING NO: CS-227



DIMENSION SCHEDULE

	STATION	AZIMUTH ANGLE
VP 2	STA.1 17 ^{KM} 350 ^M .000	345° 30' 45"
	STA.2 17 ^{KM} 380 ^M .000	'

- NOTES:**
- ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
 - REFERENCE DRAWING FOR BAR ARRANGEMENT: CS-229-234.
 - TYPES OF PC PILE
-
- 3/ BOTTOM SURFACE OF FOOTING
PC PILE CLASS B.
PC PILE CLASS A.



REPUBLIC OF INDONESIA
MINISTRY OF COMMUNICATIONS
DIRECTORATE GENERAL OF LAND TRANSPORT
AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT
CONSTRUCTION PROJECT

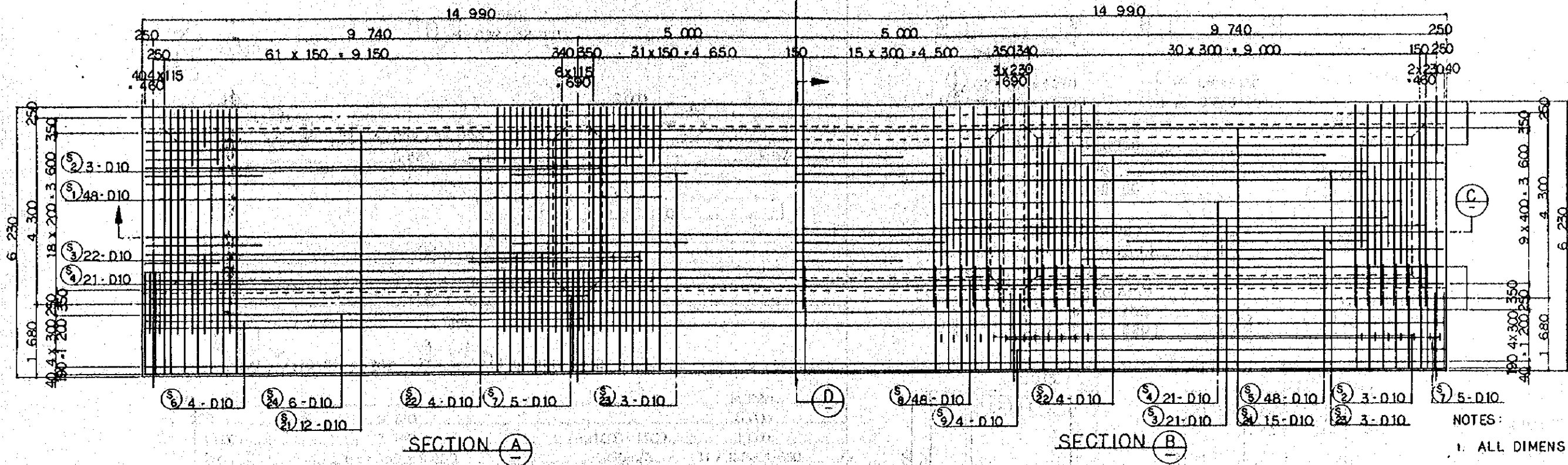
JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)

REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1 AUG 84	K.V.	M.Y.	K.A.	K.M.	M.K.
A	15 SEP 84	K.V.	M.Y.	K.A.	K.M.	M.K.

**PLATFORM VP2
GENERAL VIEW**

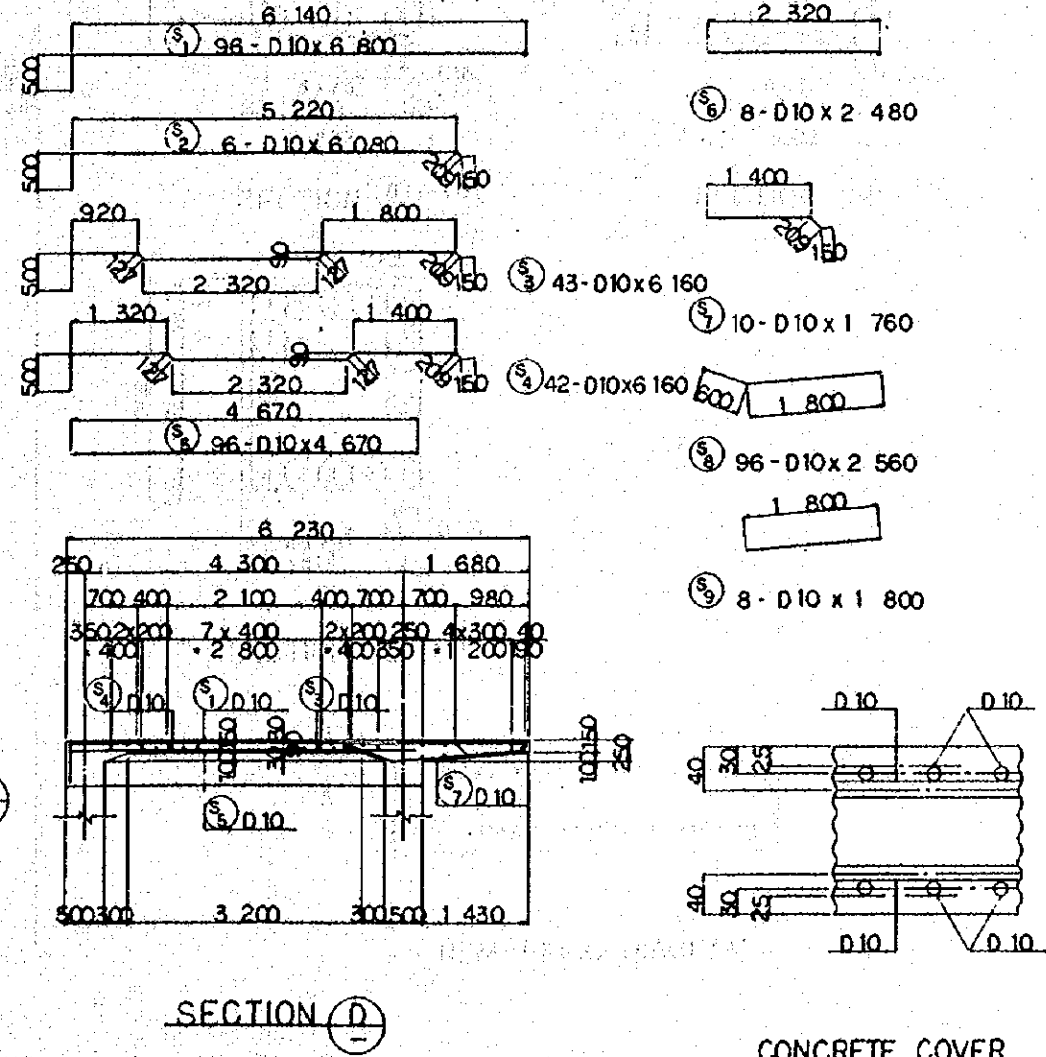
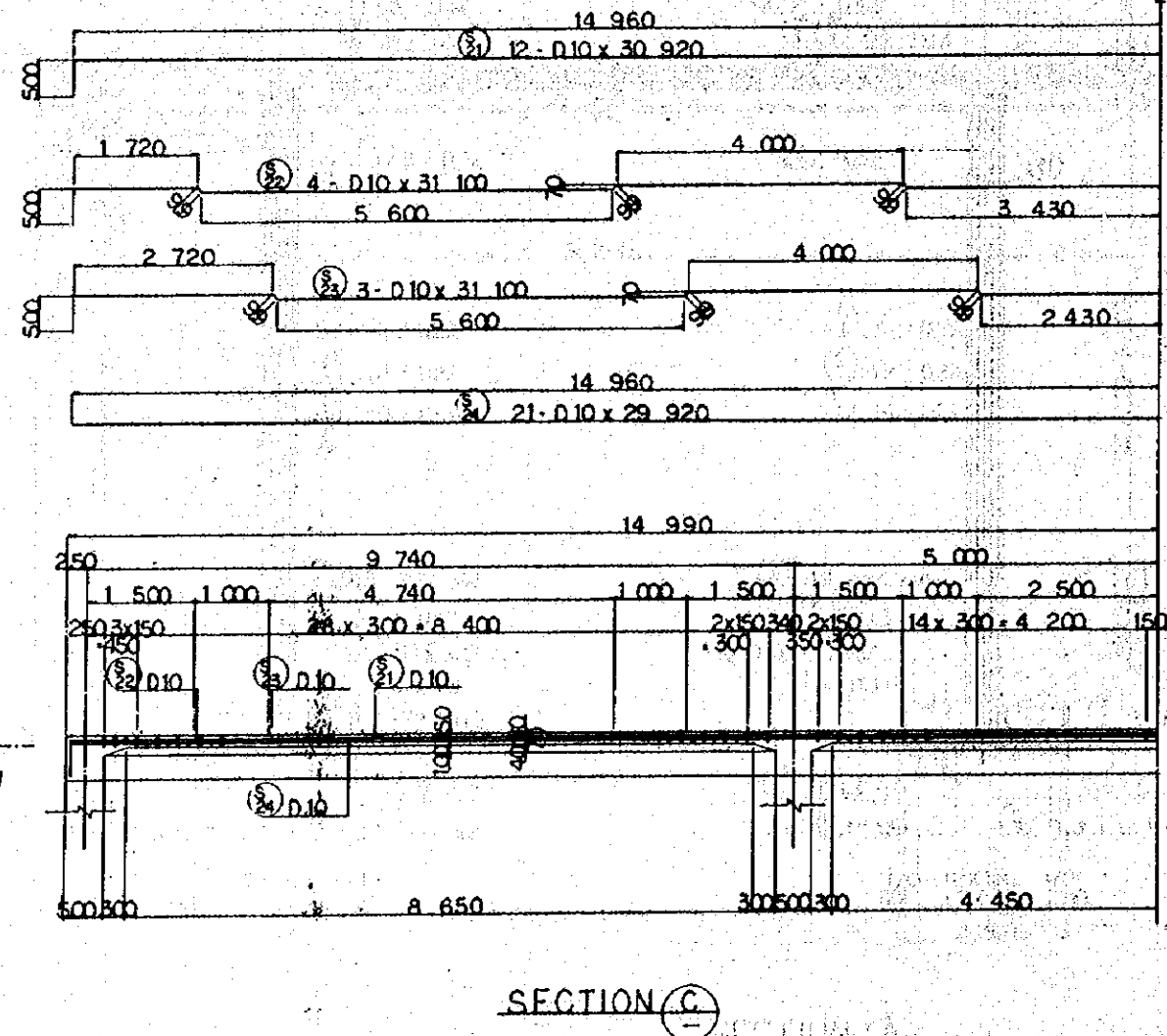
PREPARE: I CIVIL AND ARCHITECTURAL WORK

SCALE: 1:100 DRAWING NO: CS-228



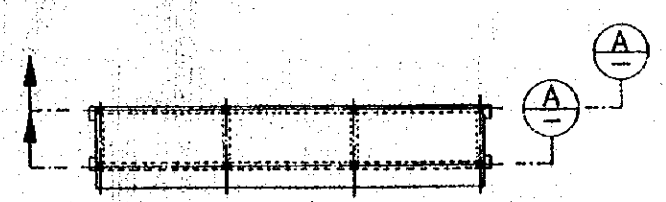
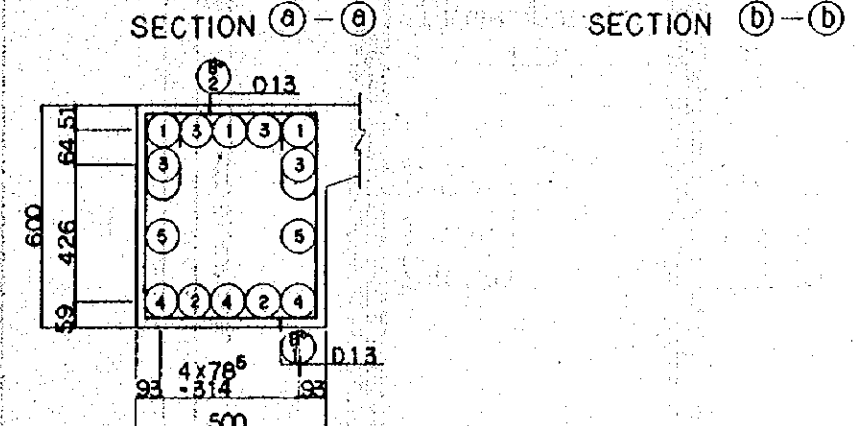
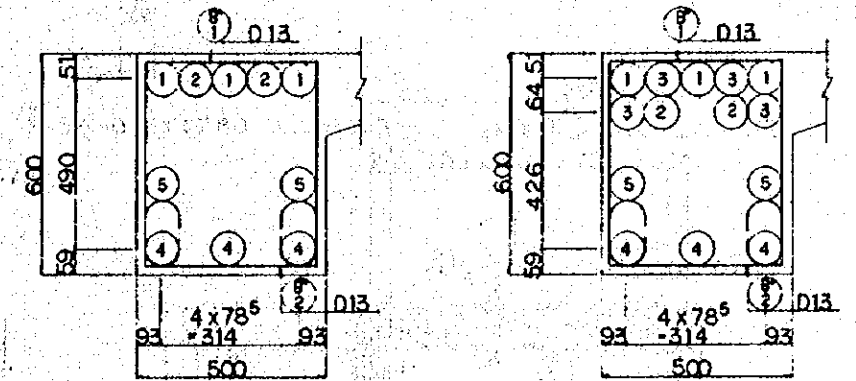
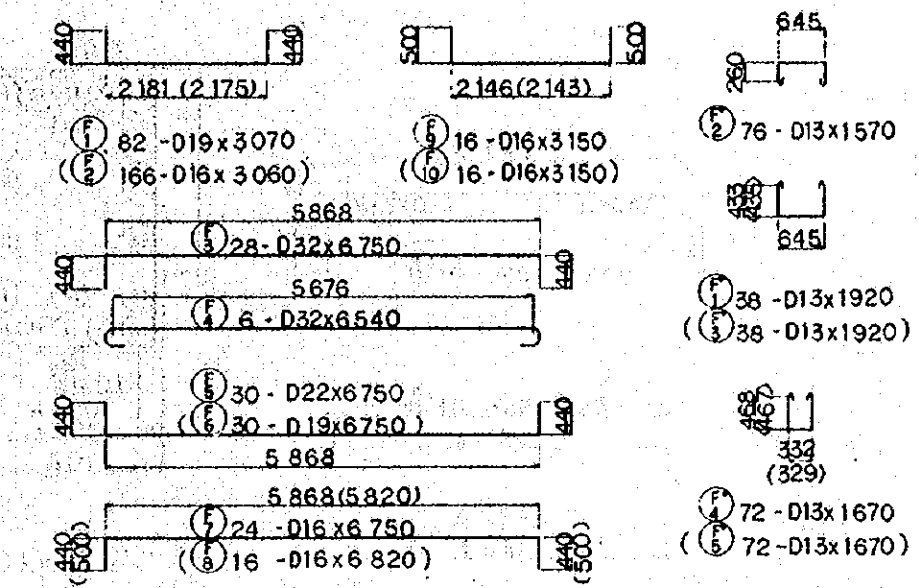
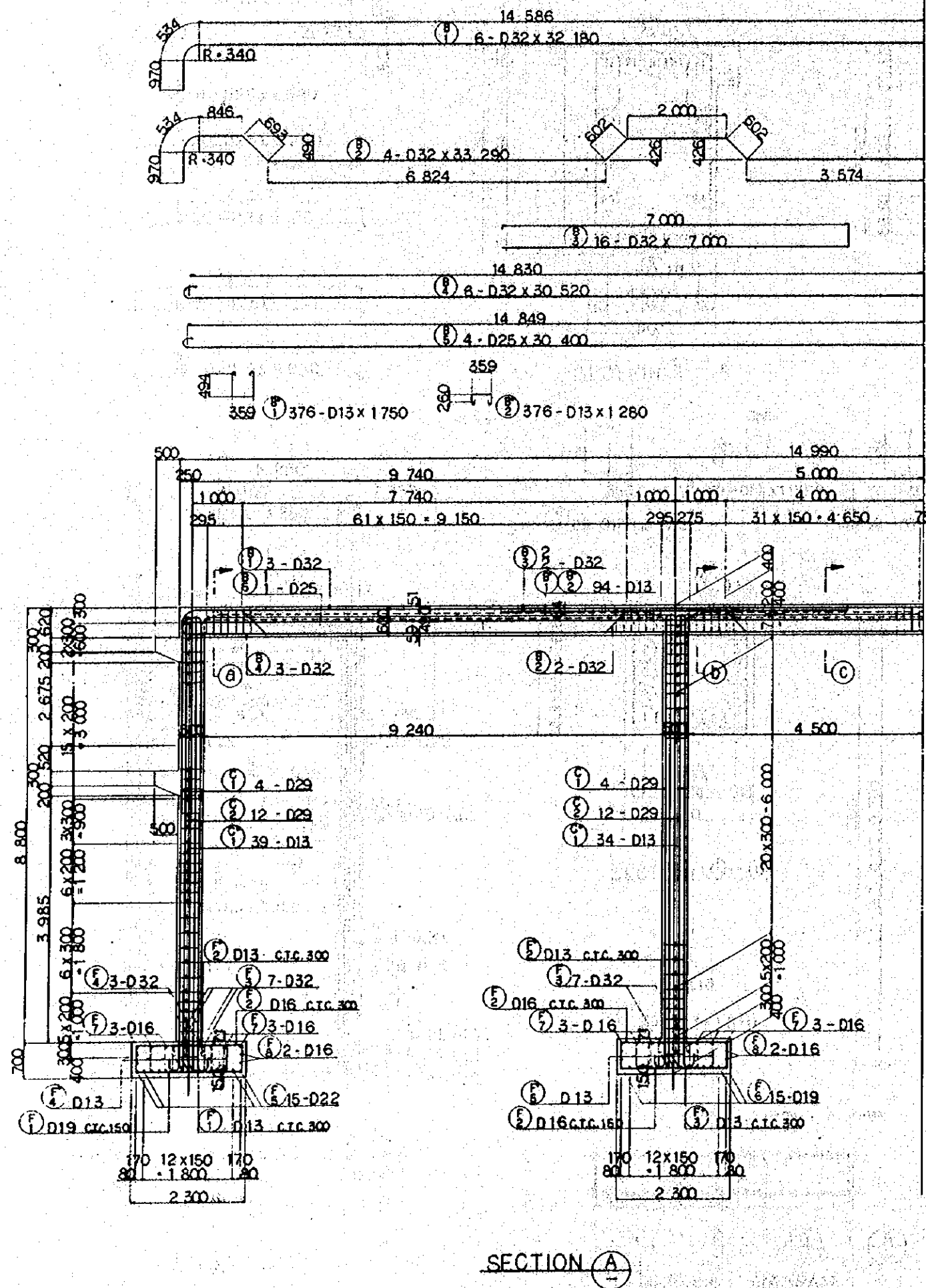
NOTES:

1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
2. REFERENCE DRAWING FOR GENERAL VIEW :CS-228.



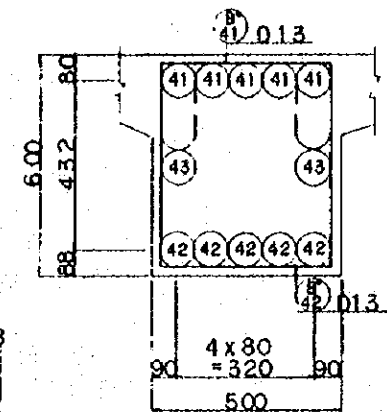
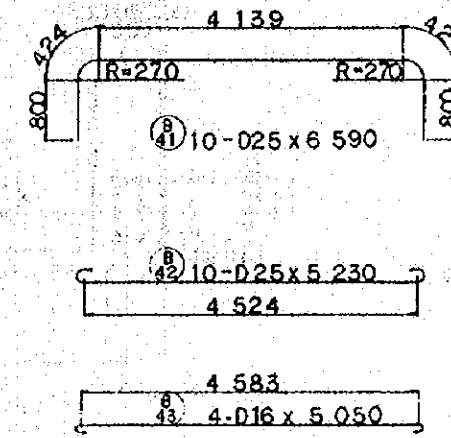
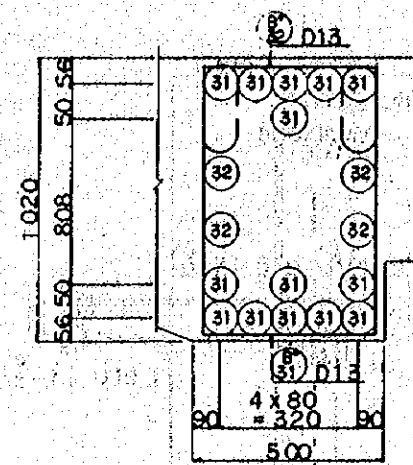
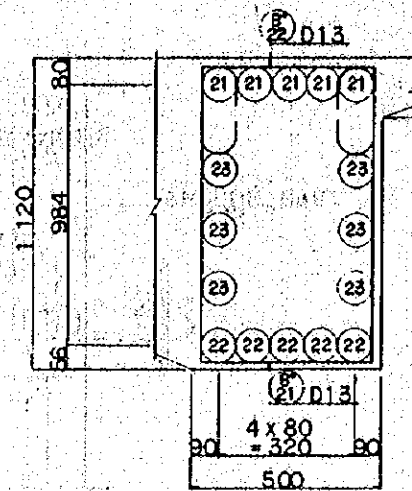
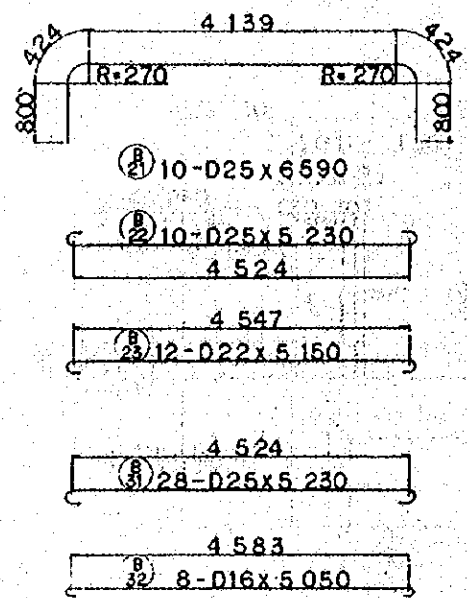
CONCRETE COVER

REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	APPROVED
B	1AUG'84	K.V.	M.Y.	K.A.	K.H.
A	11FEB'84	K.V.	M.Y.	K.A.	K.H.
PLATFORM VP2 BAR ARRANGEMENT (SHEET 1 OF 6)					
PACKAGE: I CIVIL AND ARCHITECTURAL WORK					
SCALE: 1:50		DRAWING NO: CS-229			



- NOTES:
1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
 2. REFERENCE DRAWING FOR GENERAL VIEW: CS-228.

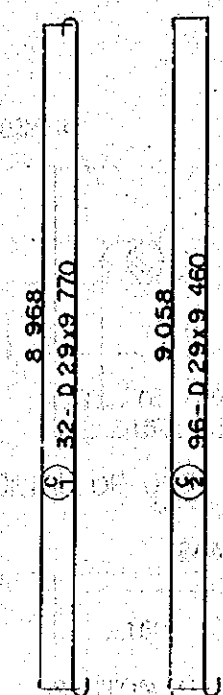
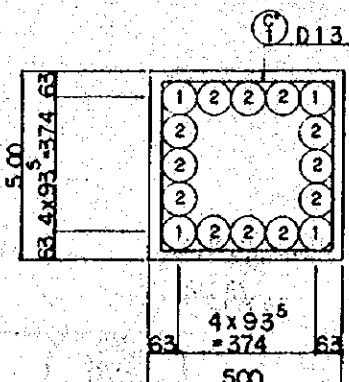
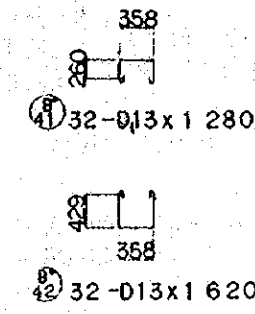
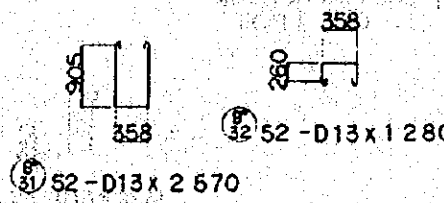
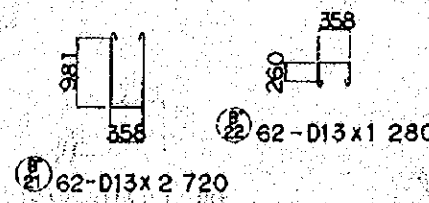
REPUBLIC OF INDONESIA					
MINISTRY OF COMMUNICATIONS					
DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
B	1 AUG 84	Kid	m-y	K.A	U.M
9	REVISED	Kid	m-y	K.A	U.M
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	SUBMITTED
PLATFORM VP2 BAR ARRANGEMENT (SHEET 2 OF 6)					
PACKAGE: I CIVIL AND ARCHITECTURAL WORK					
SCALE	DRAWING NO.				
1 : 50	CS-230				



SECTION (A) - (A)

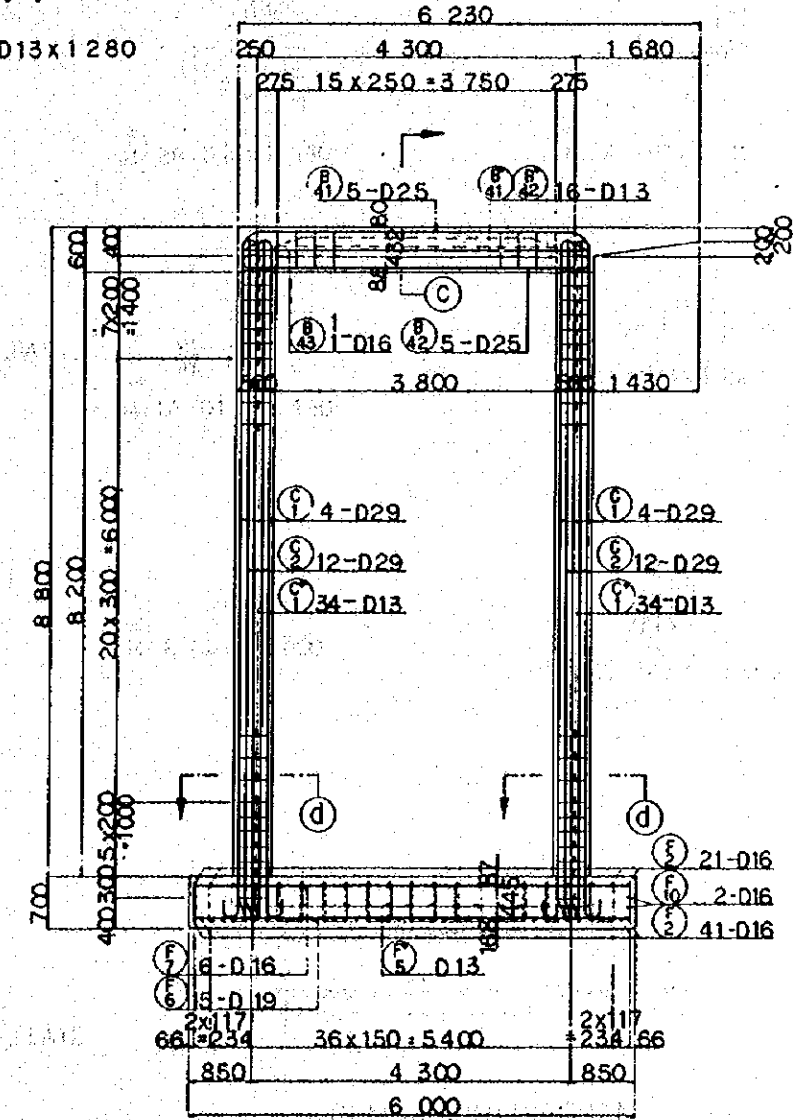
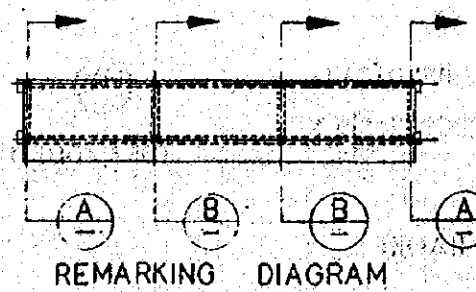
SECTION (B) - (B)

SECTION (C) - (C)

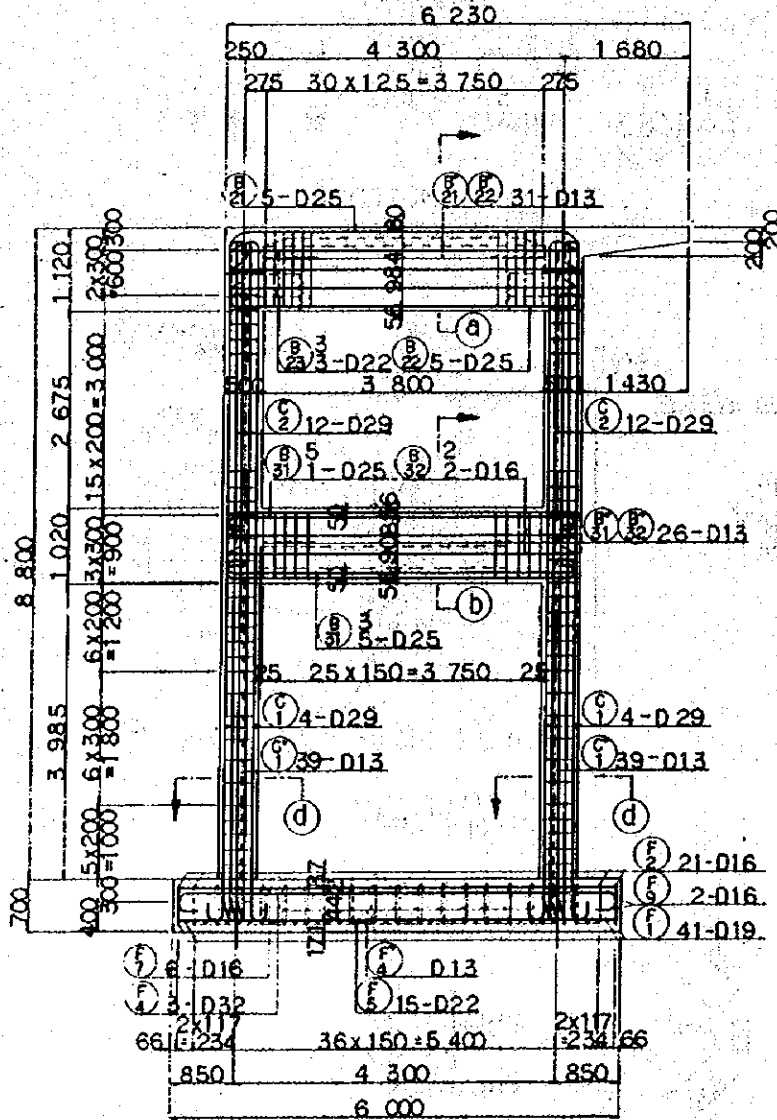


SECTION (D) - (D)

SECTION (I) - (I)



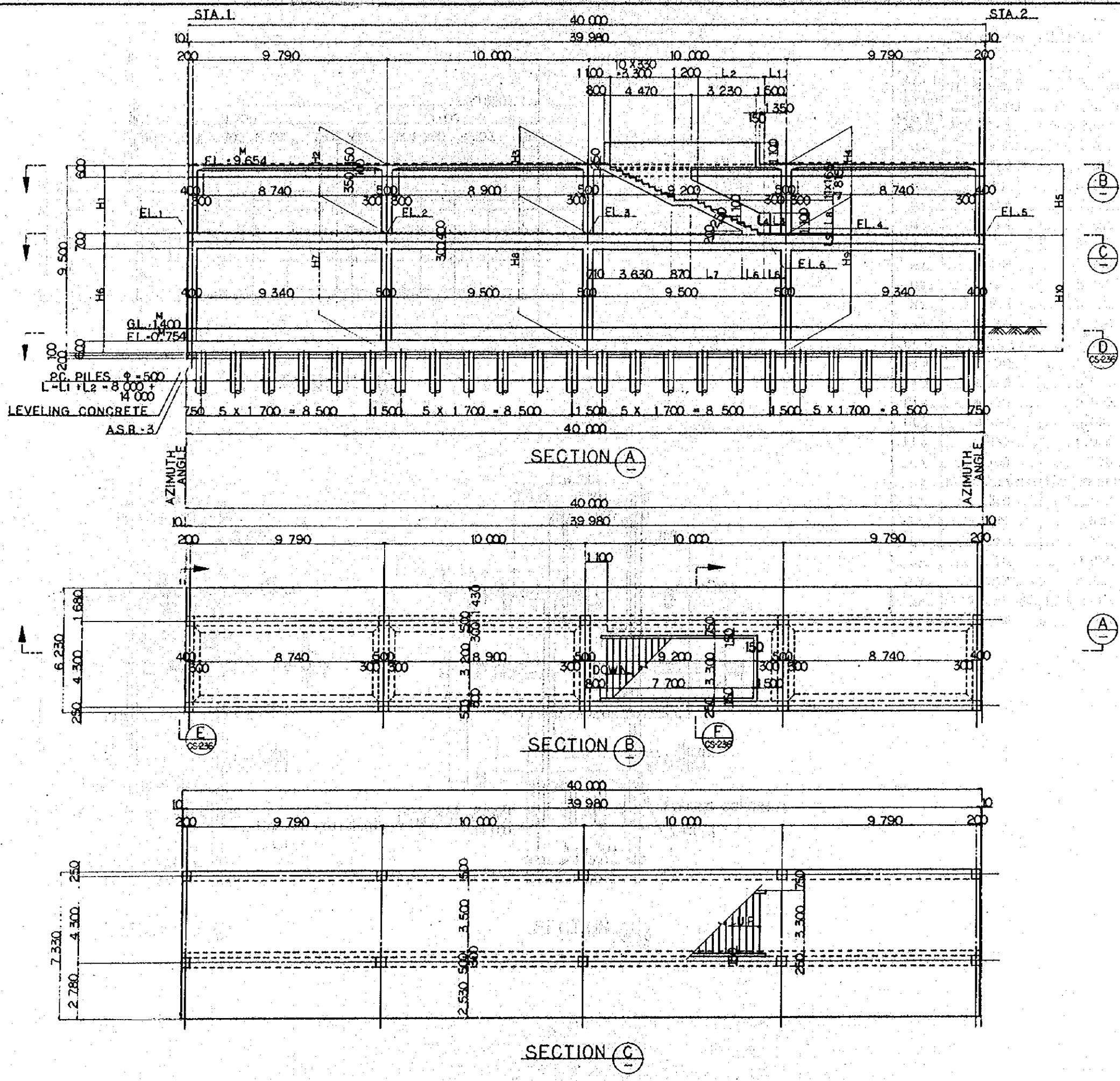
SECTION (B) - (B)



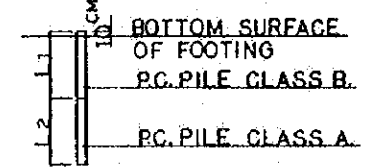
SECTION (A) - (A)

- NOTES:
1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
 2. REFERENCE DRAWING FOR GENERAL VIEW : CS-228.

REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
REVISIONS	DATE	DESIGNED	CHECKED	REVIEWED	SUBMITTED
B	1 AUG '84	K.W.	M.Y.	K.S.	K.M.
A	15 FEB '84	K.W.	M.Y.	K.S.	K.M.
PLATFORM VP2 BAR ARRANGEMENT (SHEET 3 OF 6)					
PACKAGE: I CIVIL AND ARCHITECTURAL WORK					
SCALE: 1:50		DRAWING NO: CS-231			



- NOTES :
1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
 2. REFERENCE DRAWING FOR BAR ARRANGEMENT: CS-238 ~ 244.
 3. TYPES OF PC. PILE



DESIGN CRITERIA

DESIGN LOAD	TRAIN LOAD	EQUIVALENT TO KS-16
	SEISMIC EFFECT	IN HORIZONTAL DIRECTION $K_A=0.1$ IN VERTICAL DIRECTION $K_A=0$
ALLOWABLE STRESS	REINFORCING BAR	ALLOWABLE TENSILE STRESS 1300 kg/cm ²
	CONCRETE	ALLOWABLE COMPRESSIVE STRESS 90 kg/cm ²
MATERIAL	TYPE OF REINFORCING BAR	SD-18
	CONCRETE OF DESIGN CRITERIA STRENGTH	$f_{ck}=2400 \text{ kg/cm}^2$
	MAX SIZE OF COARSE AGGREGATE	25 mm

REPUBLIC OF INDONESIA
 MINISTRY OF COMMUNICATIONS
 DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

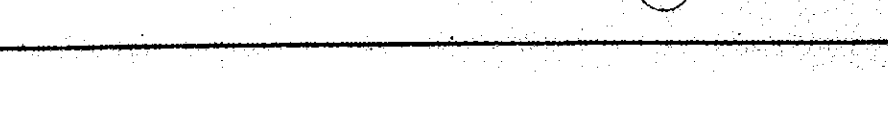
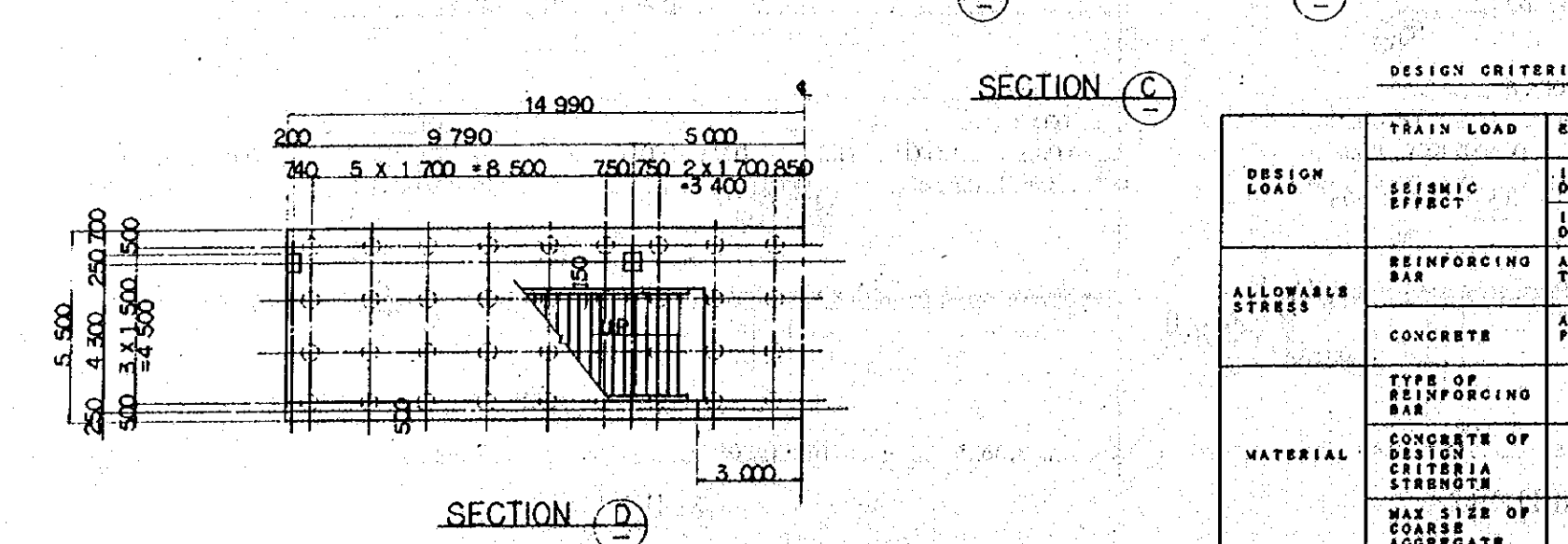
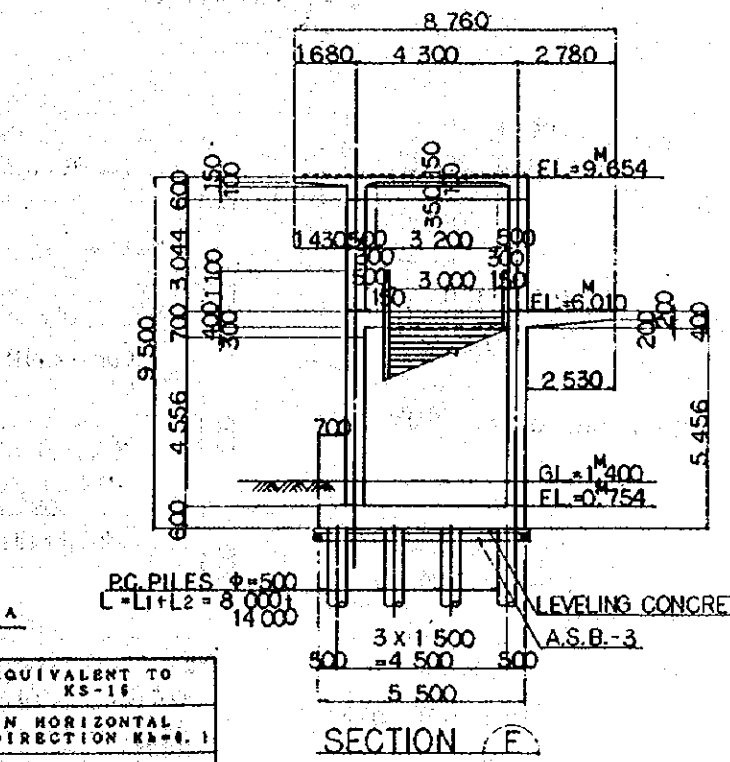
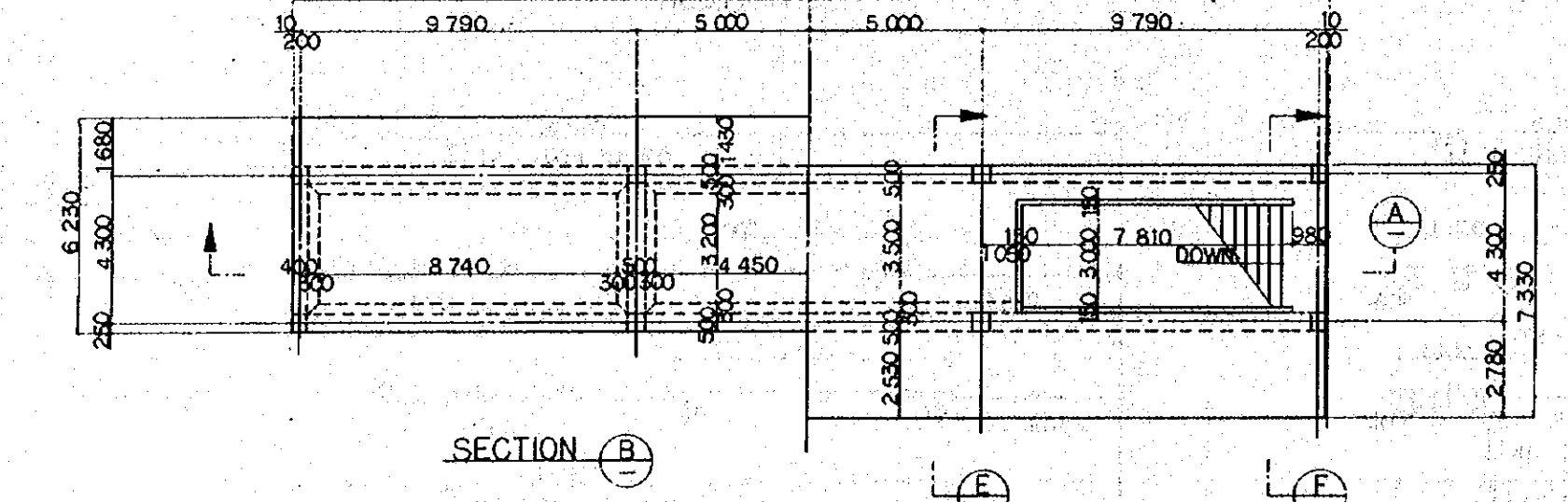
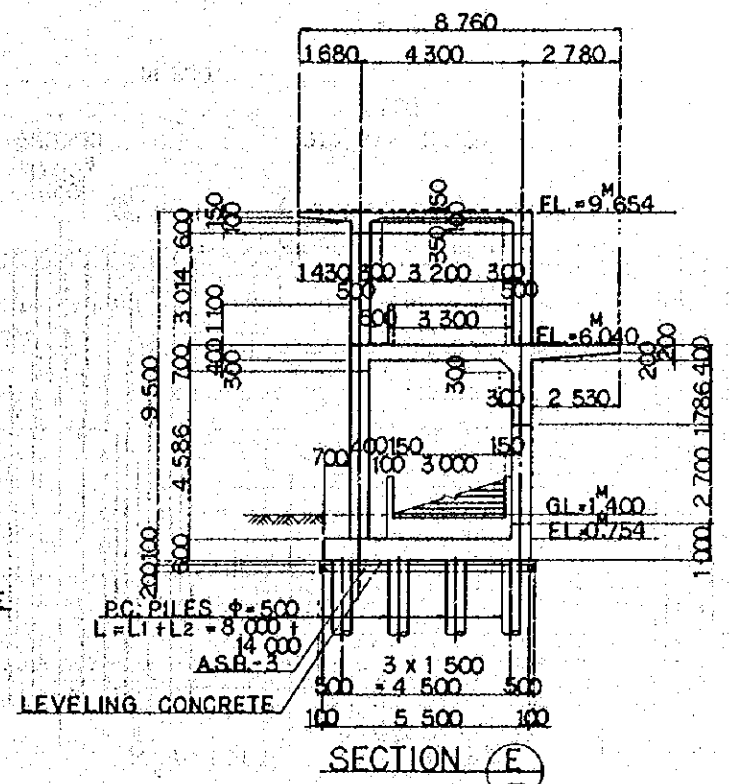
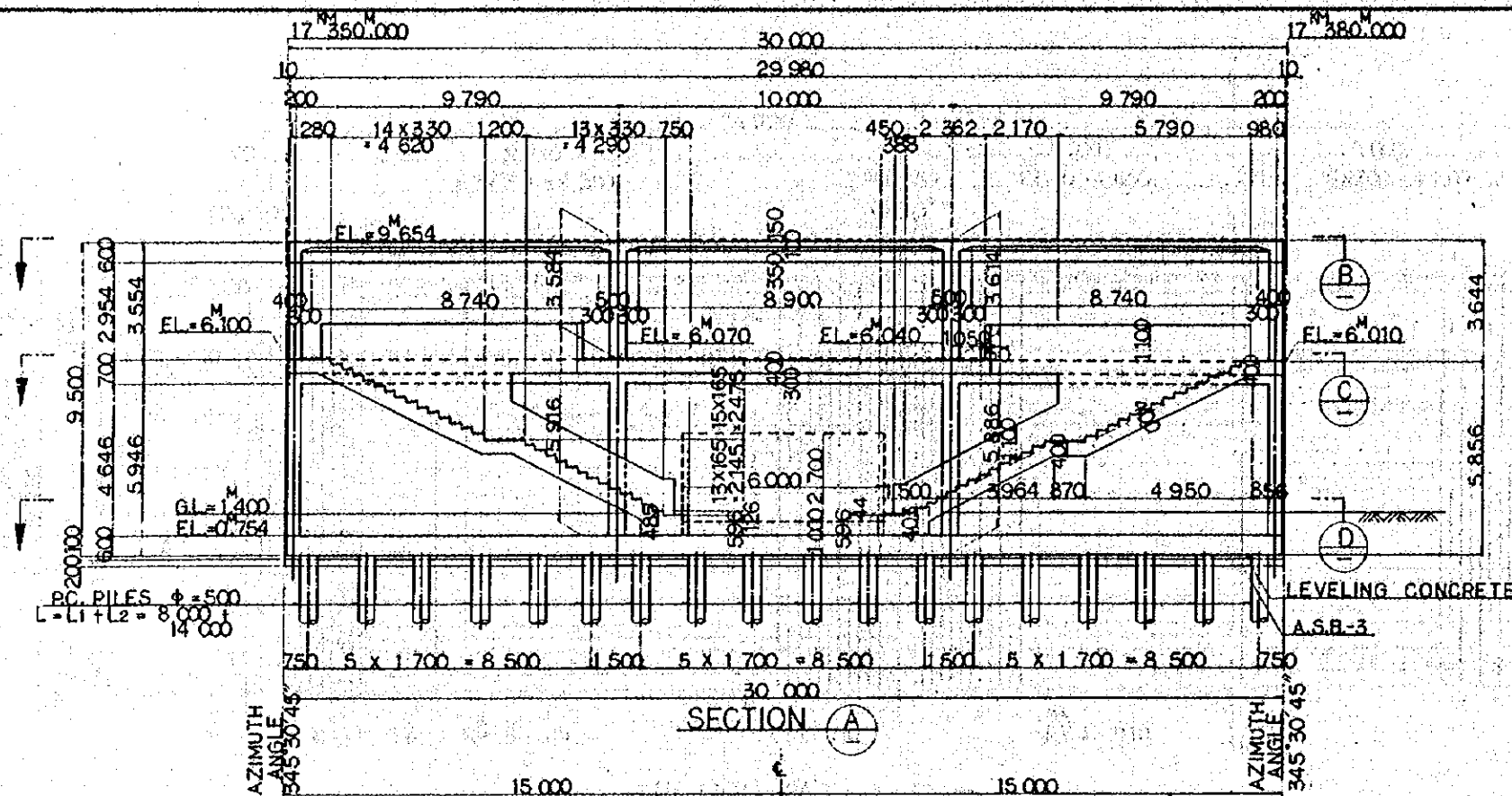
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

B	1 AUG 84	K.V	m.y	K.A	K.M	K.K
A	1 FEB 84	K.V	m.y	K.A	K.M	K.K

REVISIONS: DATE, DESIGNED, DRAWN, CHECKED, REVISION, SUBMITTED

PLATFORM VP4, VP6
 GENERAL VIEW
 (SHEET 1 OF 2)

PACKAGE: CIVIL AND ARCHITECTURAL WORK
 SCALE: 1:100
 DRAWING NO: CS-235



- NOTES :
1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
 2. REFERENCE DRAWING FOR BAR ARRANGEMENT: CS-238 ~ 244.
 3. TYPES OF PC. PILE
 - BOTTOM SURFACE OF FOOTING
 - PC. PILE CLASS B.
 - PC. PILE CLASS A.

DESIGN CRITERIA

DESIGN LOAD	TRAIN LOAD	EQUIVALENT TO KS-16
SEISMIC EFFECT		IN HORIZONTAL DIRECTION $K_h=0.1$
		IN VERTICAL DIRECTION $K_v=1$
ALLOWABLE STRESS	REINFORCING BAR	ALLOWABLE TENSILE STRESS 180 kg/cm ²
	CONCRETE	ALLOWABLE COMPRESSIVE STRESS 96 kg/cm ²
MATERIAL	TYPE OF REINFORCING BAR	SD-36
	CONCRETE OF DESIGN CRITERIA STRENGTH	$\sigma_{ck}=210 \text{ kg/cm}^2$
	MAX SIZE OF COARSE AGGREGATE	25mm

REPUBLIC OF INDONESIA
 MINISTRY OF COMMUNICATIONS
 DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS

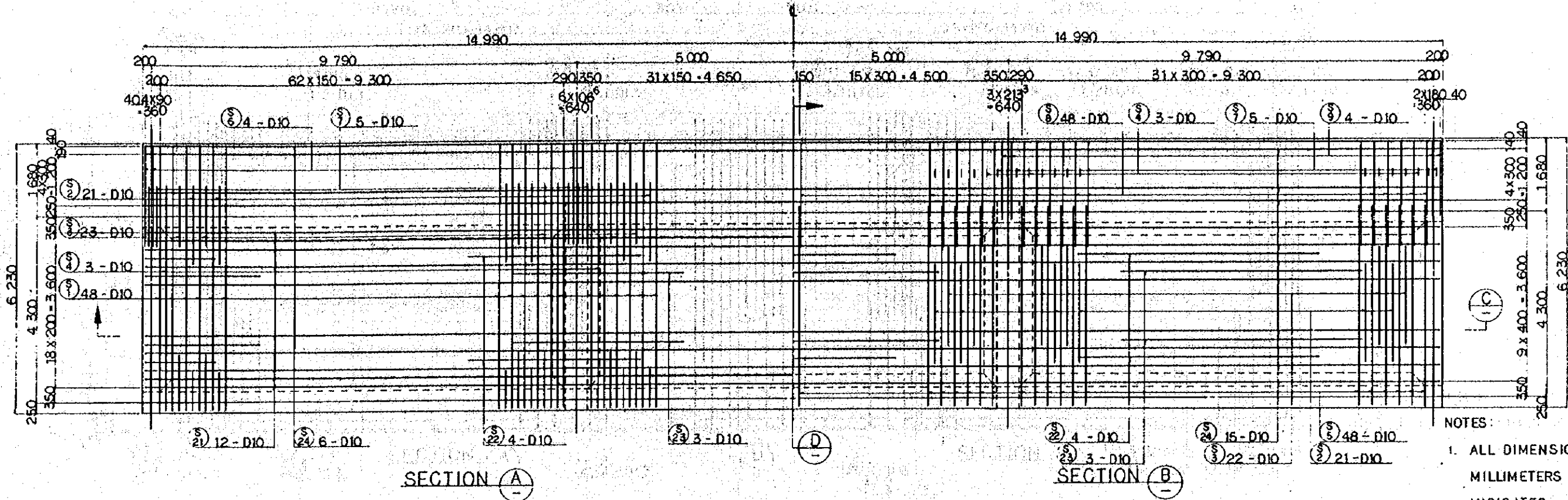
NEW RAILWAY LINE FOR CENGKARENG AIRPORT
 CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

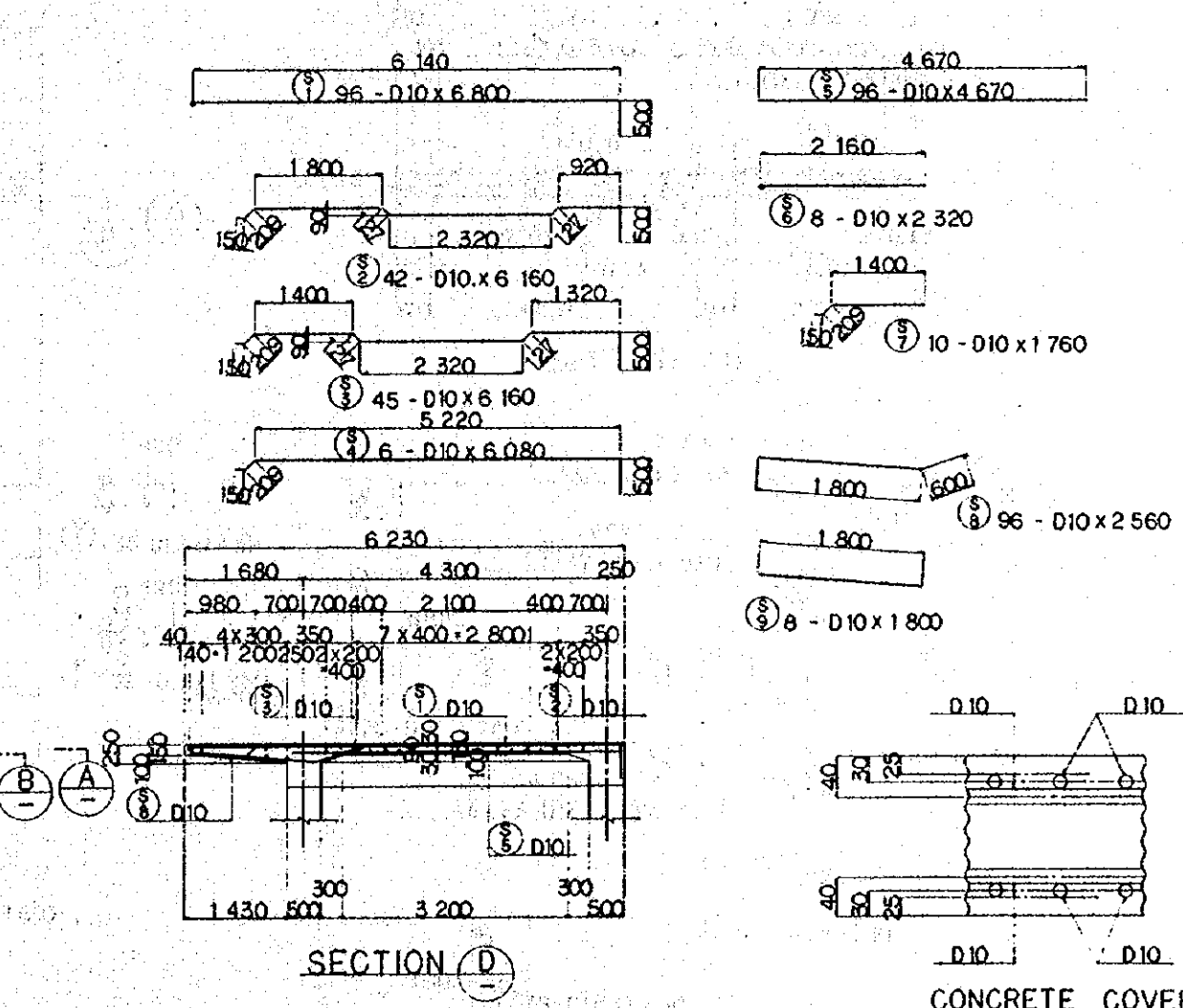
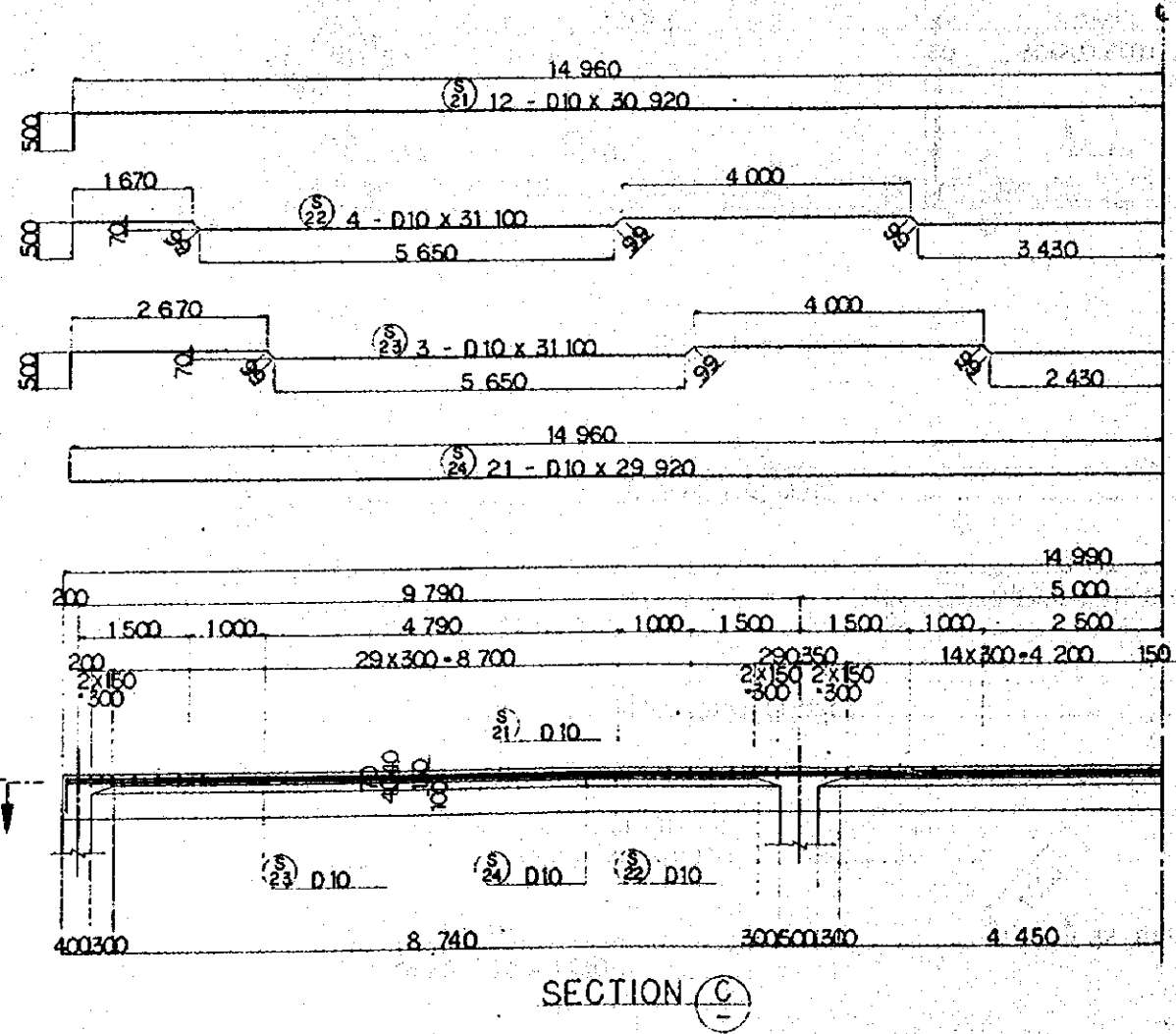
B	1 AUG 84	KV	MY	KA	VM	JK
A	1 FEB 84	KV	MY	KA	KM	JK
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED

PLATFORM VP5
 GENERAL VIEW

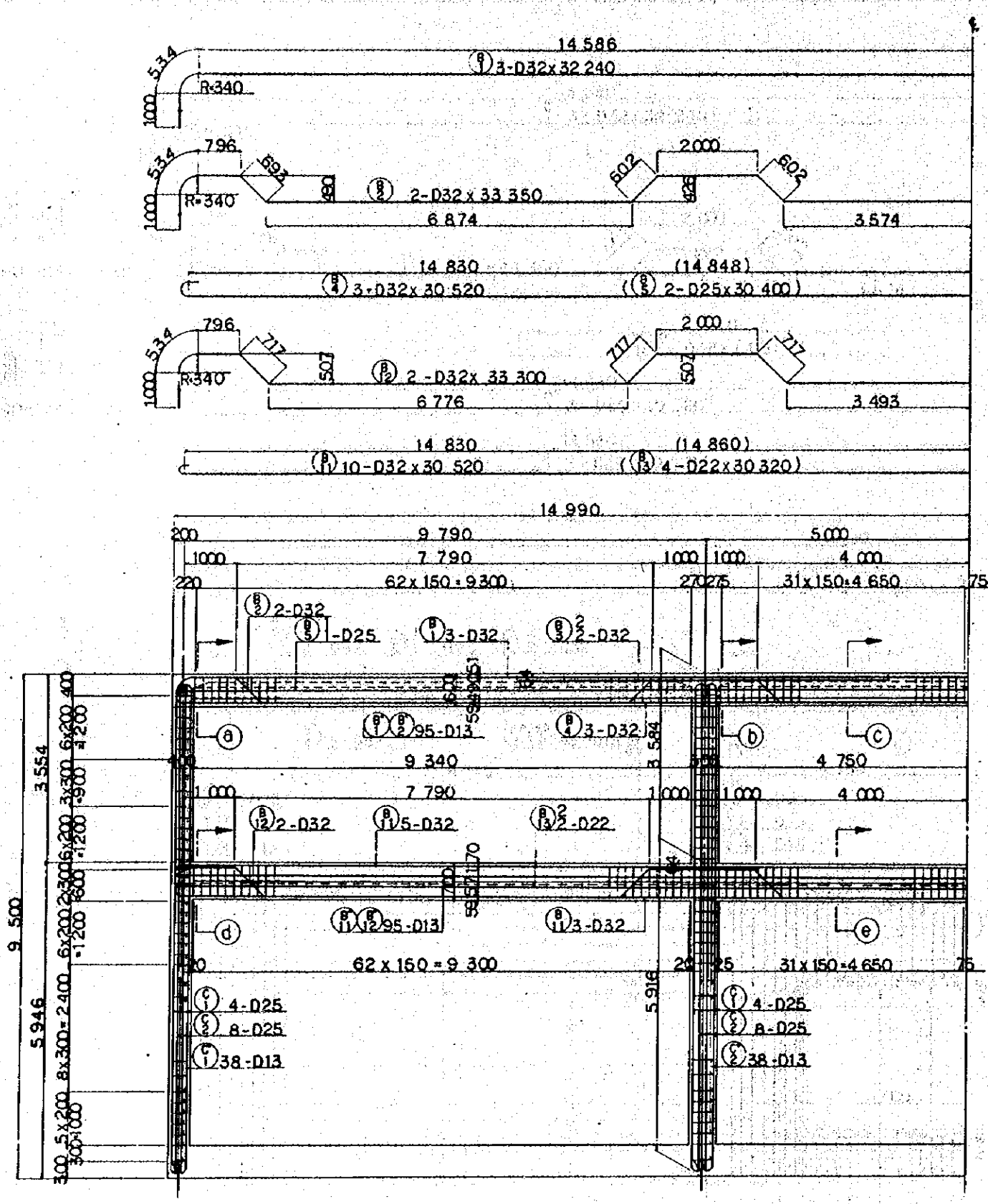
PACKAGE: I CIVIL AND ARCHITECTURAL WORK
 SCALE: 1:100 DRAWING NO: CS-237



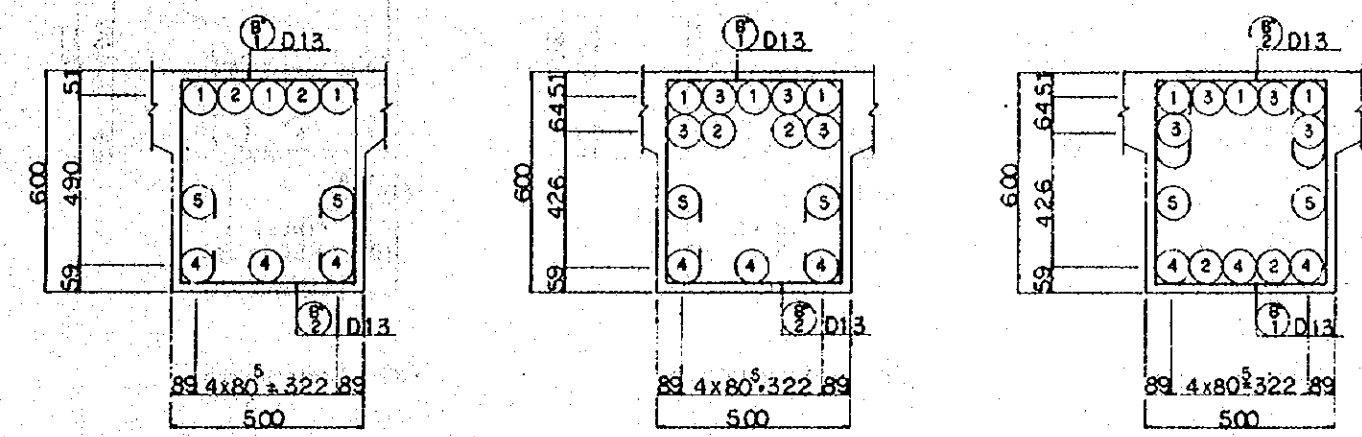
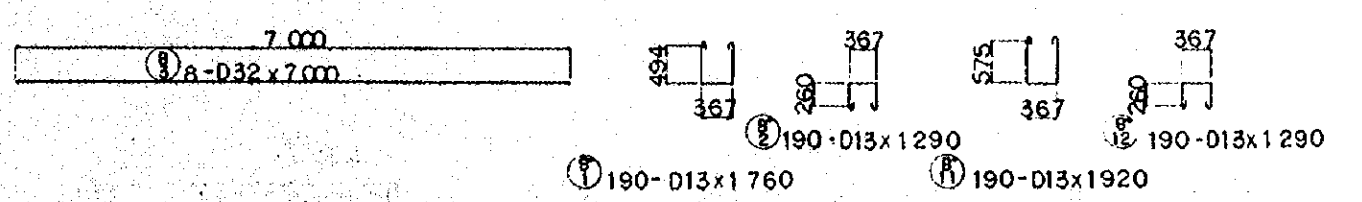
- NOTES:
1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
 2. REFERENCE DRAWING FOR GENERAL VIEW : CS-237.



REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
REVISION	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1AUG.'84	K.V.	M.Y.	K.A.	K.M.	M.K.
1	1/12/84	K.V.	M.Y.	K.A.	K.M.	M.K.
PLATFORM VP5 BAR ARRANGEMENT (SHEET 1 OF 7)						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE		DRAWING NO.				
1:50		CS-238				



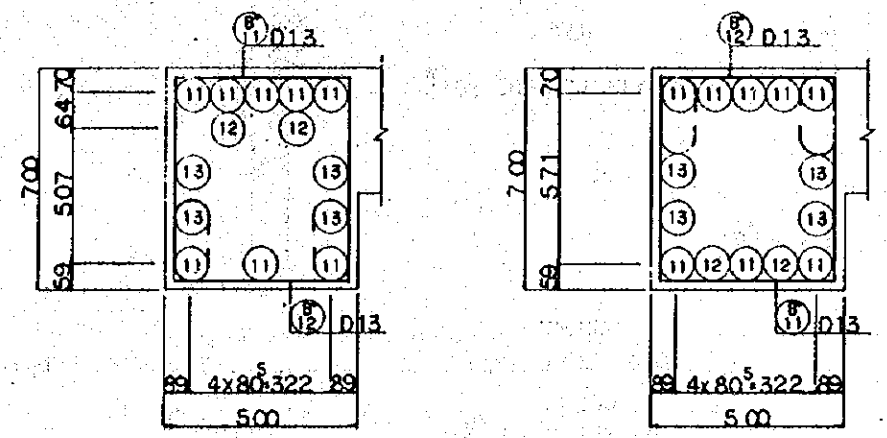
SECTION A - A



SECTION B - B

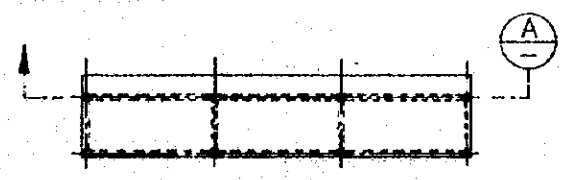
SECTION C - C

SECTION D - D



SECTION E - E

SECTION D - D

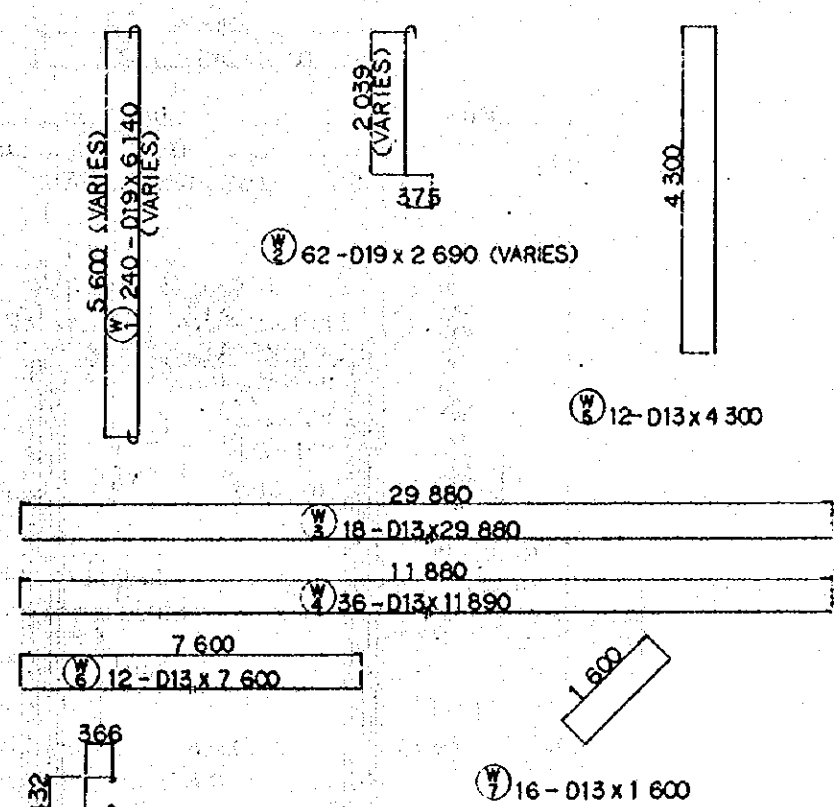
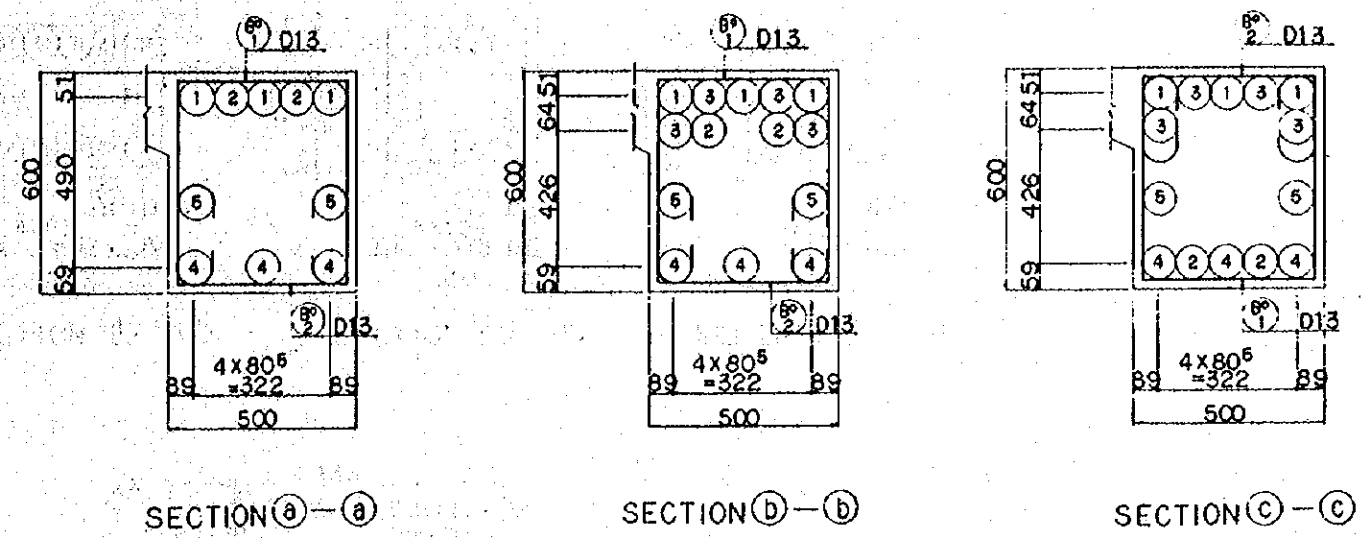
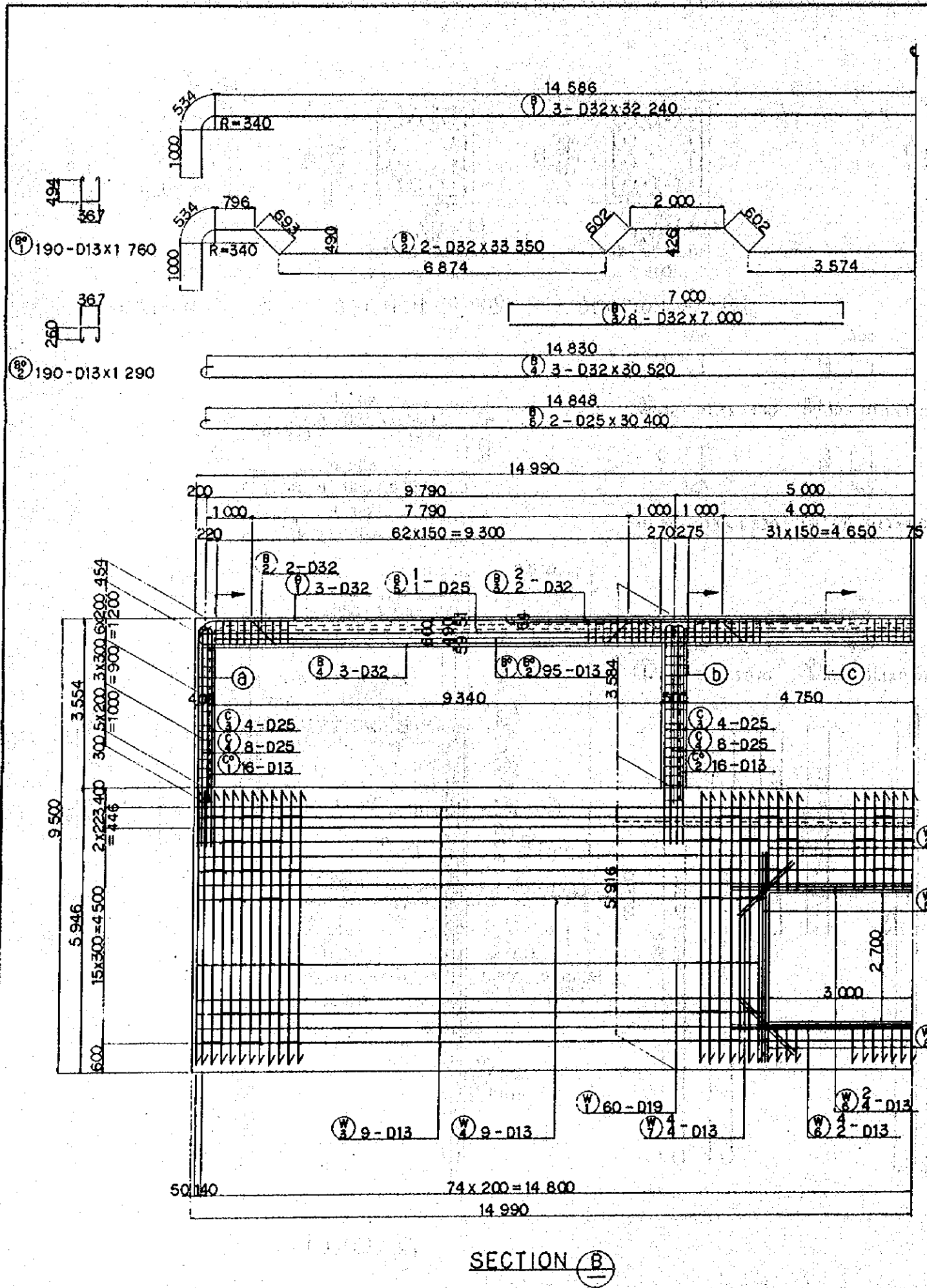


REMARKING DIAGRAM

- NOTES:
1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
 2. REFERENCE DRAWING FOR GENERAL VIEW :CS-237.

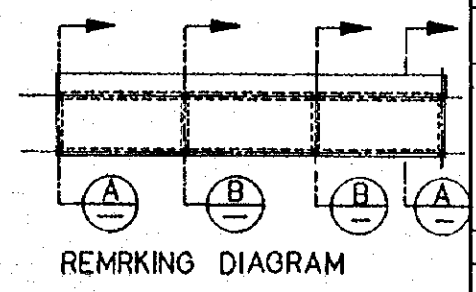
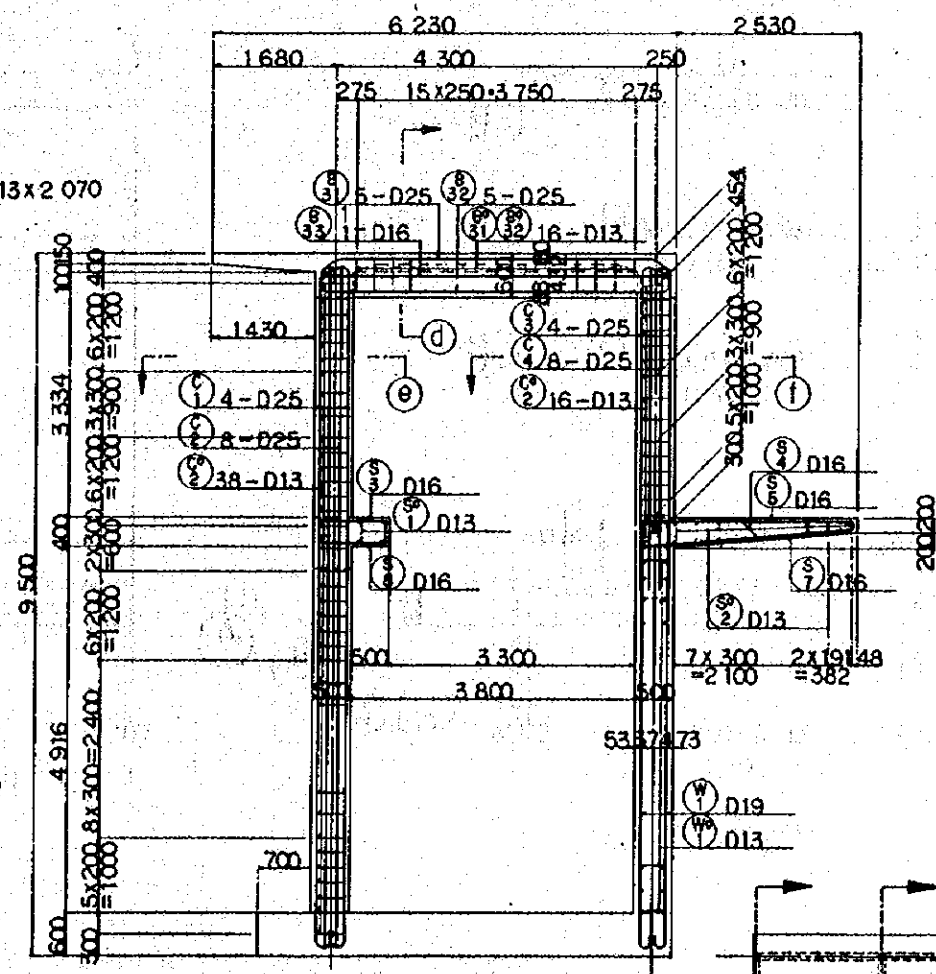
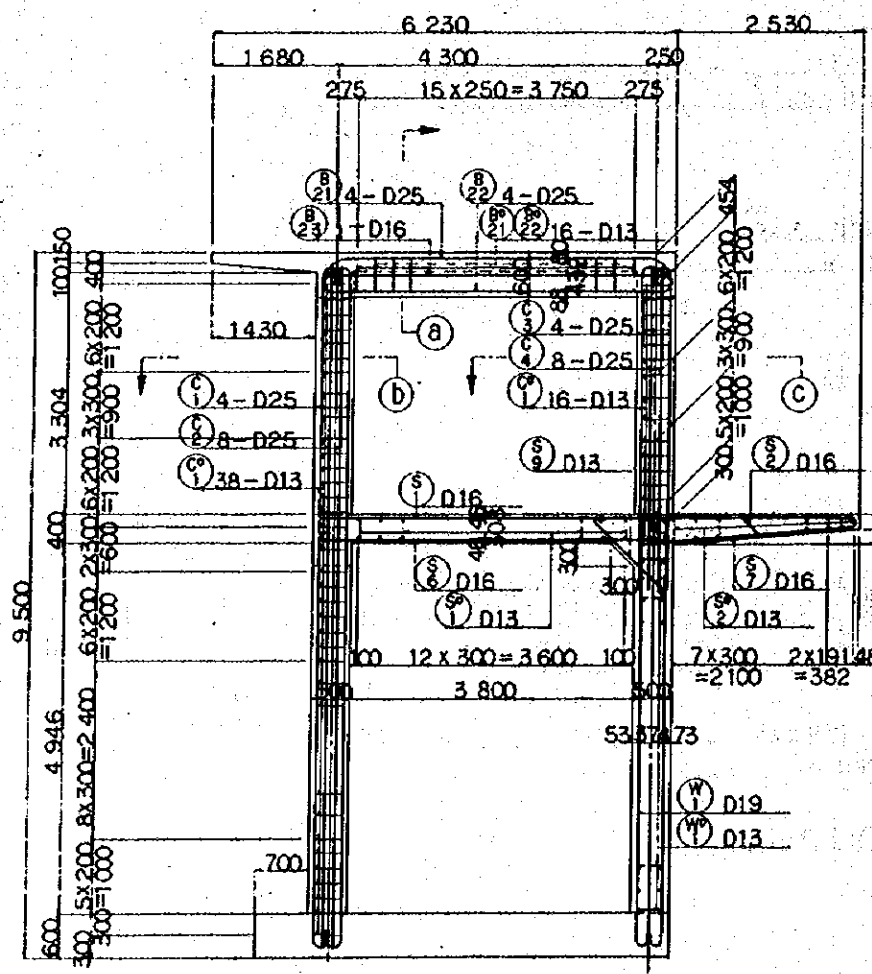
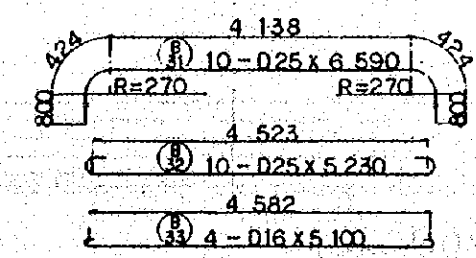
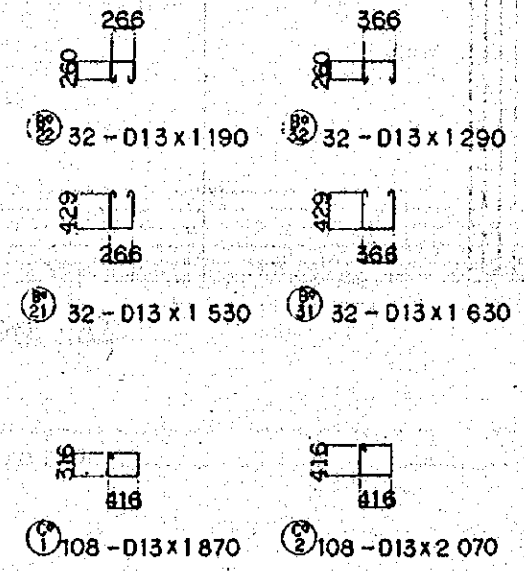
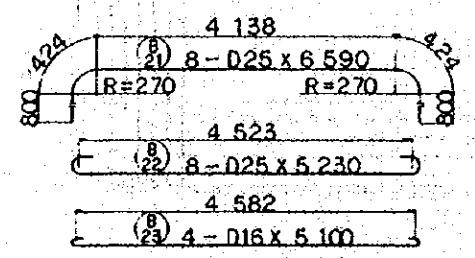
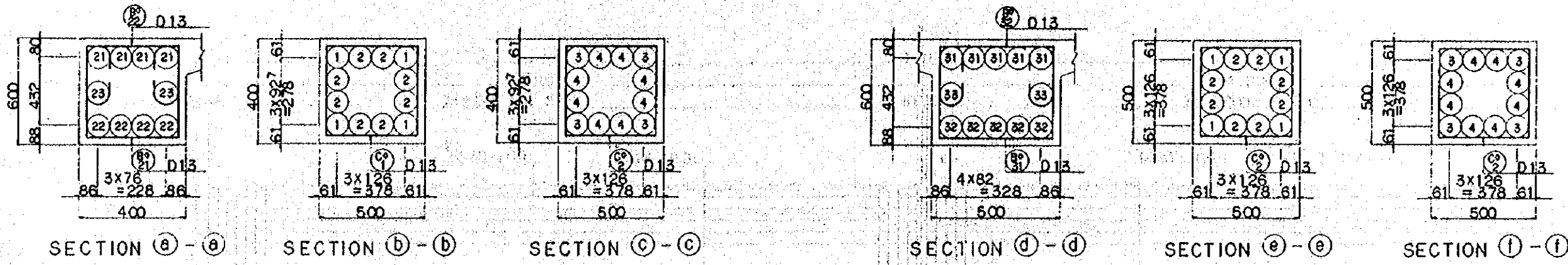
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
B	1 AUG '84	K.Y.	m.y.	K.A.	K.M.
A	11 FEB '84	K.A.	m.y.	K.A.	K.M.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED
PACKAGE: I CIVIL AND ARCHITECTURAL WORK					
SCALE: 1:50		DRAWING NO: CS-240			

PLATFORM VP5
BAR ARRANGEMENT
(SHEET 3 OF 7)



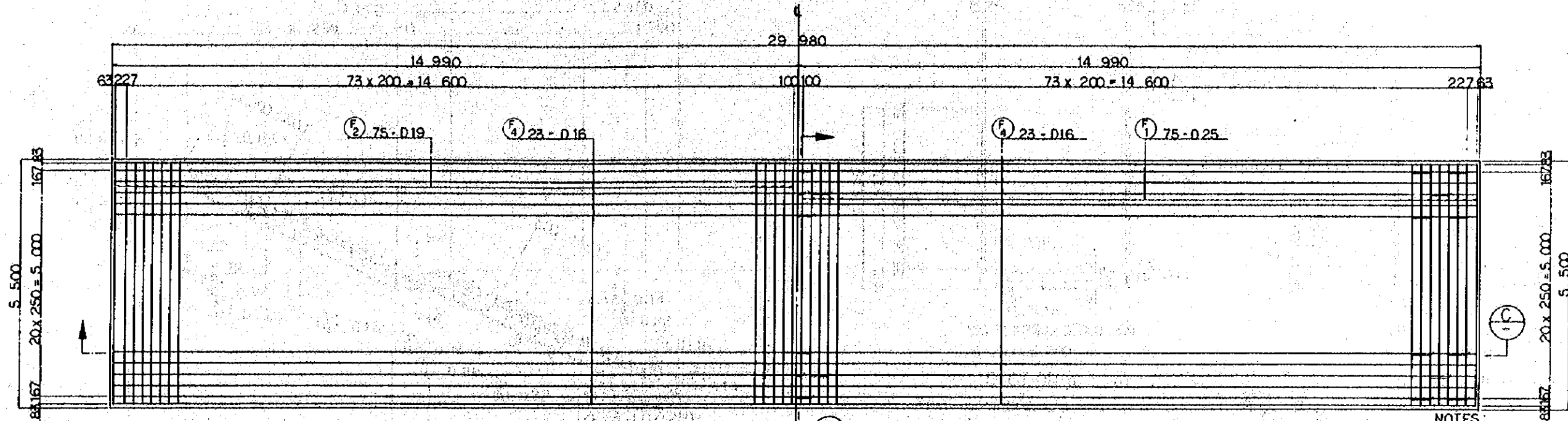
- NOTES:
1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
 2. REFERENCE DRAWING FOR GENERAL VIEW :CS -237.

REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
B	1AUG.84	kd	m.y	K.A.K.M.	AK
A		ker	m.y	K.A.K.M.	AK
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED
PLATFORM VP5 BAR ARRANGEMENT (SHEET 4 OF 7)					
PACKAGE: 1 CIVIL AND ARCHITECTURAL WORK					
SCALE 1:50		DRAWING NO. CS-241			



NOTES:
 1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
 2. REFERENCE DRAWING FOR GENERAL VIEW : CS-237.

REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
B	1AUG/84	K.L	m.y	K.A	K.M
A	1AUG/84	K.L	m.y	K.A	K.M
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	APPROVED
PLATFORM VP5 BAR ARRANGEMENT (SHEET 5 OF 7)					
PACKAGE: I CIVIL AND ARCHITECTURAL WORK					
SCALE: 1:50		DRAWING NO: CS-242			

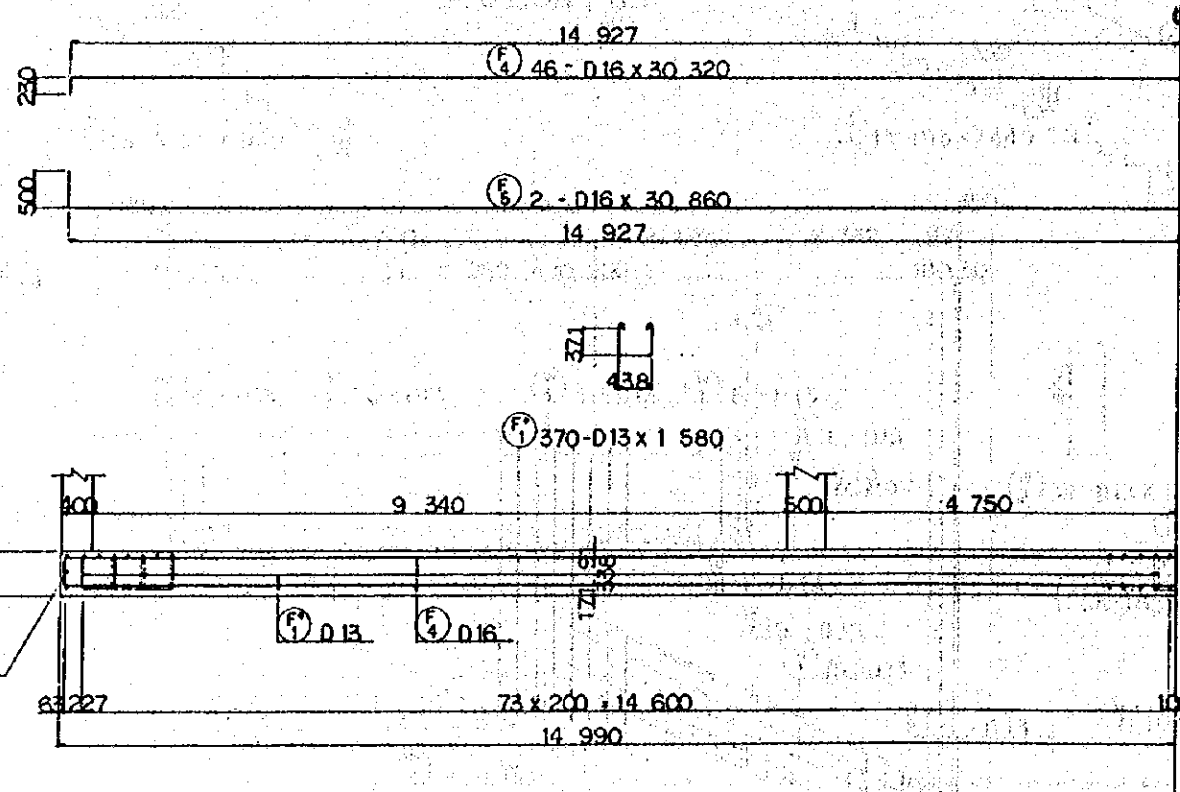


SECTION A

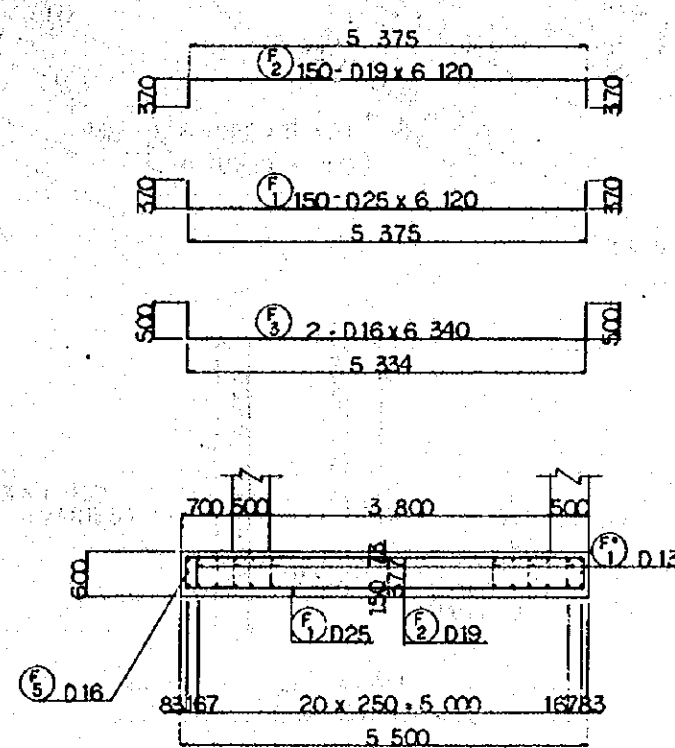
SECTION B

NOTES:

1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
2. REFERENCE DRAWING FOR GENERAL VIEW : CS-237.



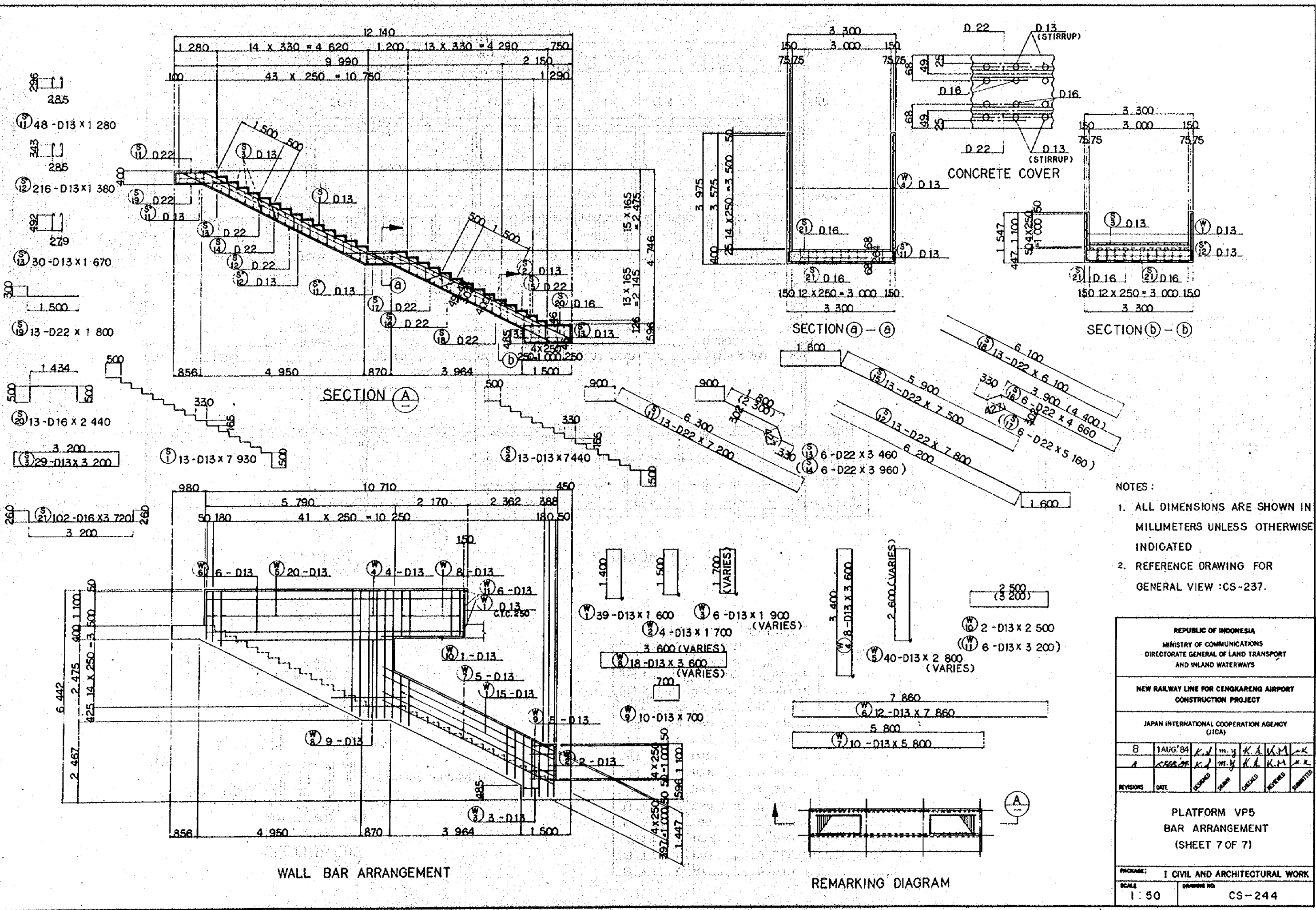
SECTION C



SECTION D

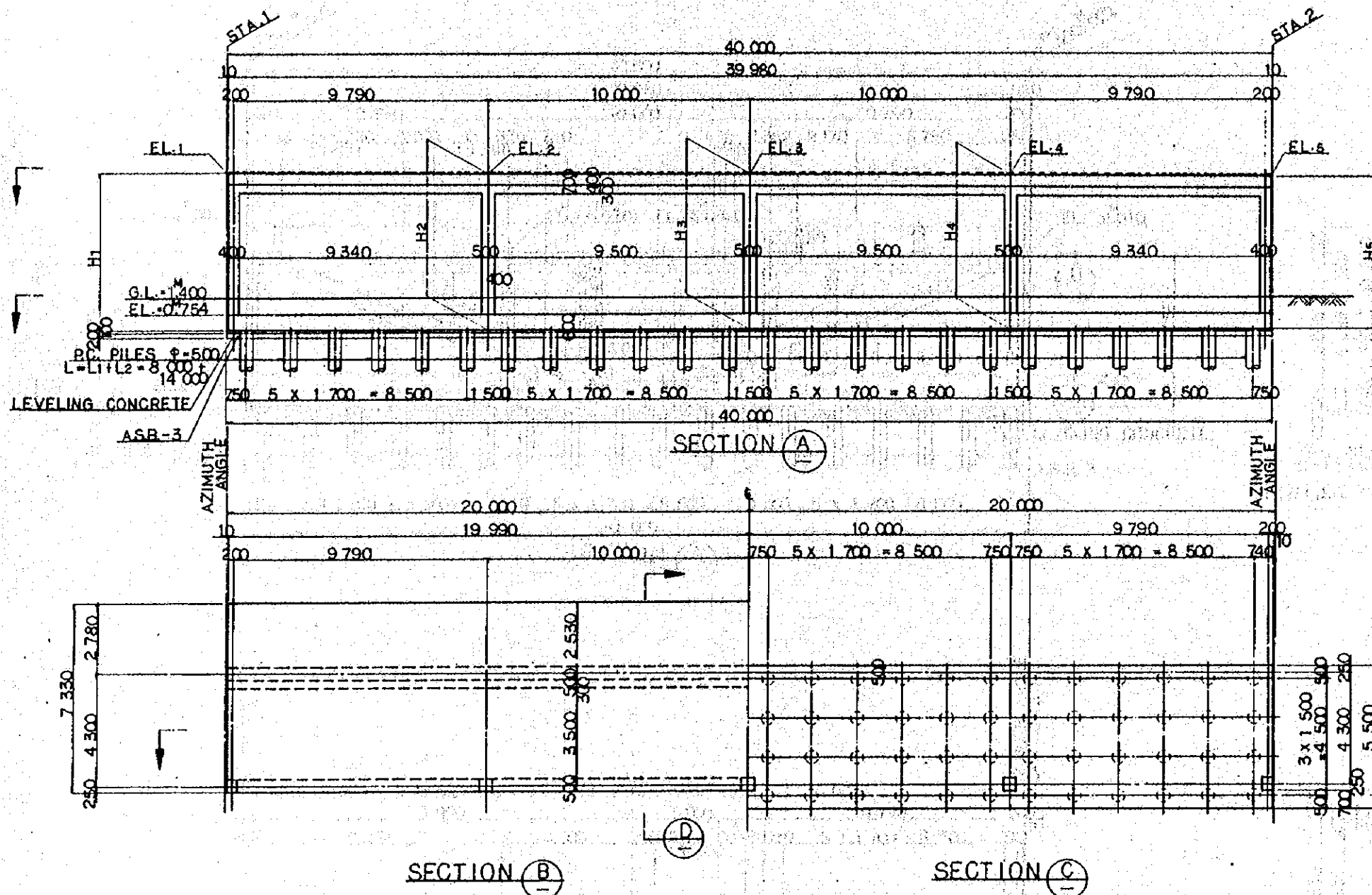
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR CENKARENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
B	1AUG.84	K.S.	m.y.	K.S.	K.M.
A	1FEB.84	K.S.	m.y.	K.S.	K.M.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED
<p>PACKAGE: I CIVIL AND ARCHITECTURAL WORK</p> <p>SCALE: 1:50 DRAWING NO: CS-243</p>					

PLATFORM VP5
BAR ARRANGEMENT
(SHEET 6 OF 7)



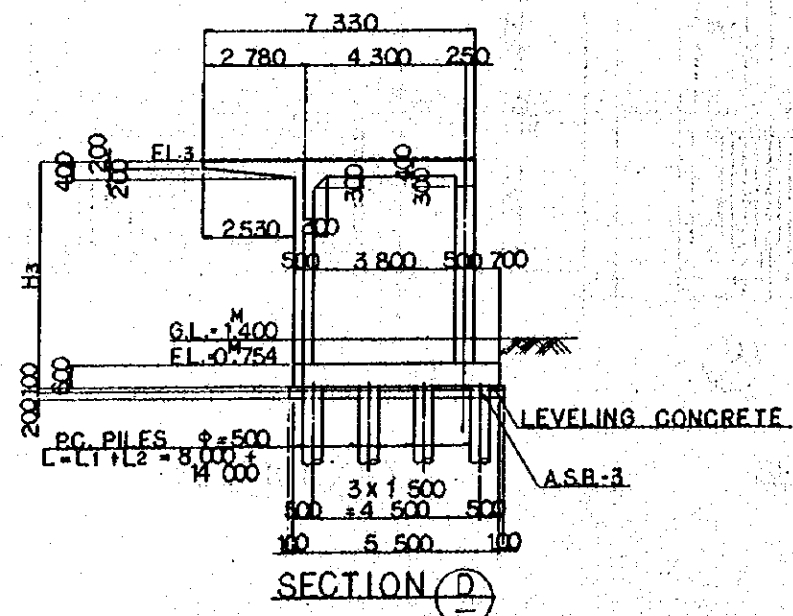
- NOTES :
1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
 2. REFERENCE DRAWING FOR GENERAL VIEW :CS-237.

REPUBLIC OF INDONESIA					
MINISTRY OF COMMUNICATIONS					
DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR CENKARENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
B	1AUG'84	K.M.Y.	K.A.K.M.	K.K.	
A		K.M.Y.	K.A.K.M.	K.K.	
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	SUBMITTED
PLATFORM VP5 BAR ARRANGEMENT (SHEET 7 OF 7)					
PACKAGE: I CIVIL AND ARCHITECTURAL WORK					
SCALE: 1:50		DRAWING NO: CS-244			



- NOTES :
1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
 2. REFERENCE DRAWING FOR BAR ARRANGEMENT: CS-238-244
 3. TYPES OF PC.PILE
 - BOTTOM SURFACE OF FOOTING
 - PC.PILE CLASS B
 - PC.PILE CLASS A
 4. GRADING CONCRETE SHALL BE SIMULTANEOUSLY PLACED WITH SLAB CONCRETE
- DESIGN CRITERIA

DESIGN LOAD	TRAIN LOAD	EQUIVALENT TO KS-16
	SEISMIC EFFECT	IN HORIZONTAL DIRECTION $K_h=0.1$ IN VERTICAL DIRECTION $K_h=0$
ALLOWABLE STRESS	REINFORCING BAR	ALLOWABLE TENSILE STRESS 1800 kg/cm ²
	CONCRETE	ALLOWABLE COMPRESSIVE STRESS 30 kg/cm ²
MATERIAL	TYPE OF REINFORCING BAR	SD-30
	CONCRETE OF DESIGN CRITERIA STRENGTH	$\sigma_{ck}=210 \text{ kg/cm}^2$
	MAX SIZE OF COARSE AGGREGATE	25mm



DIMENSION SCHEDULE

NO.	(VP)	(VP)	REMARKS
STA.1	17 ^{km} 310.000	17 ^{km} 420.000	
STA.2	17 ^{km} 350.000	17 ^{km} 380.000	
AZIMUTH ANGLE	345° 30' 45"	345° 30' 45"	
H1	6.066	5.736	
H2	6.036	5.766	
H3	6.006	5.796	
H4	5.976	5.826	
H5	5.945	5.856	
EL. 1	6 ^m 220	5 ^m 890	
EL. 2	6 ^m 190	5 ^m 920	
EL. 3	6 ^m 160	5 ^m 950	
EL. 4	6 ^m 130	5 ^m 980	
EL. 6	6 ^m 100	6 ^m 010	

REPUBLIC OF INDONESIA
 MINISTRY OF COMMUNICATIONS
 DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS

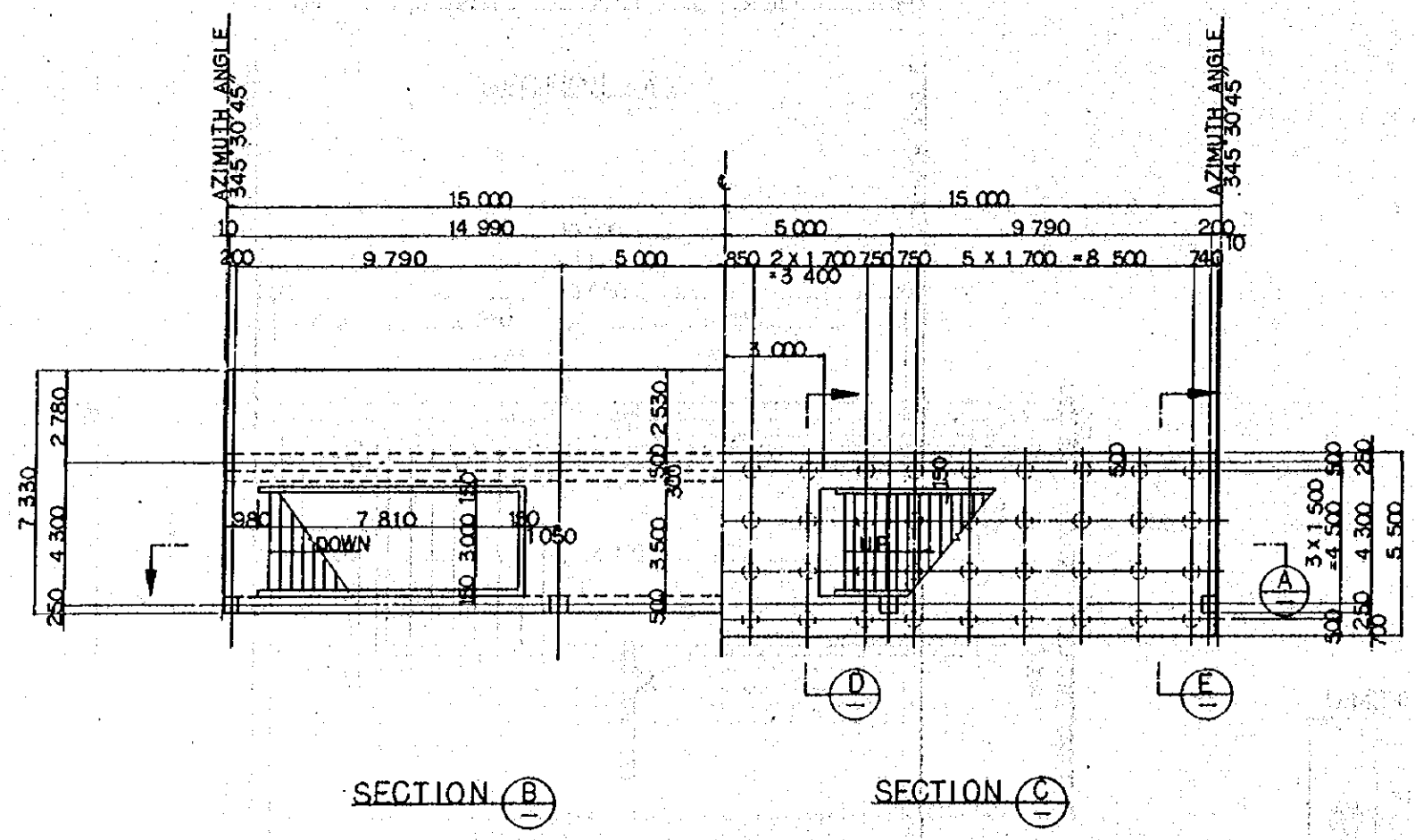
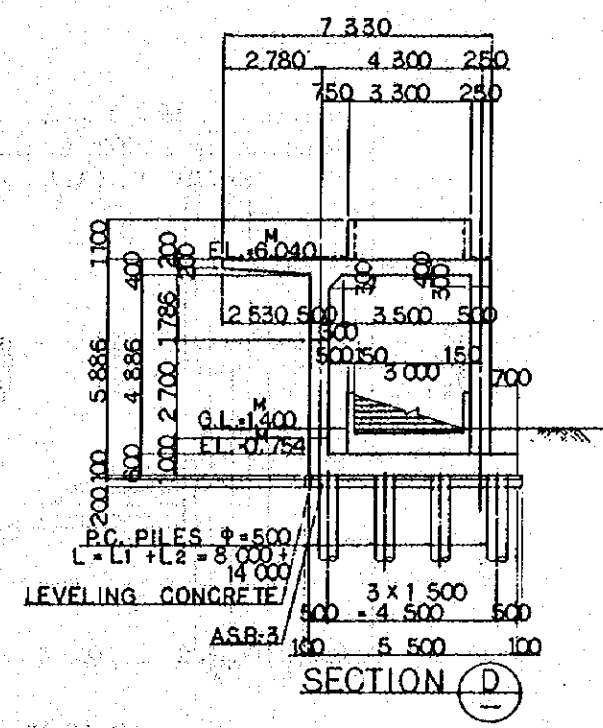
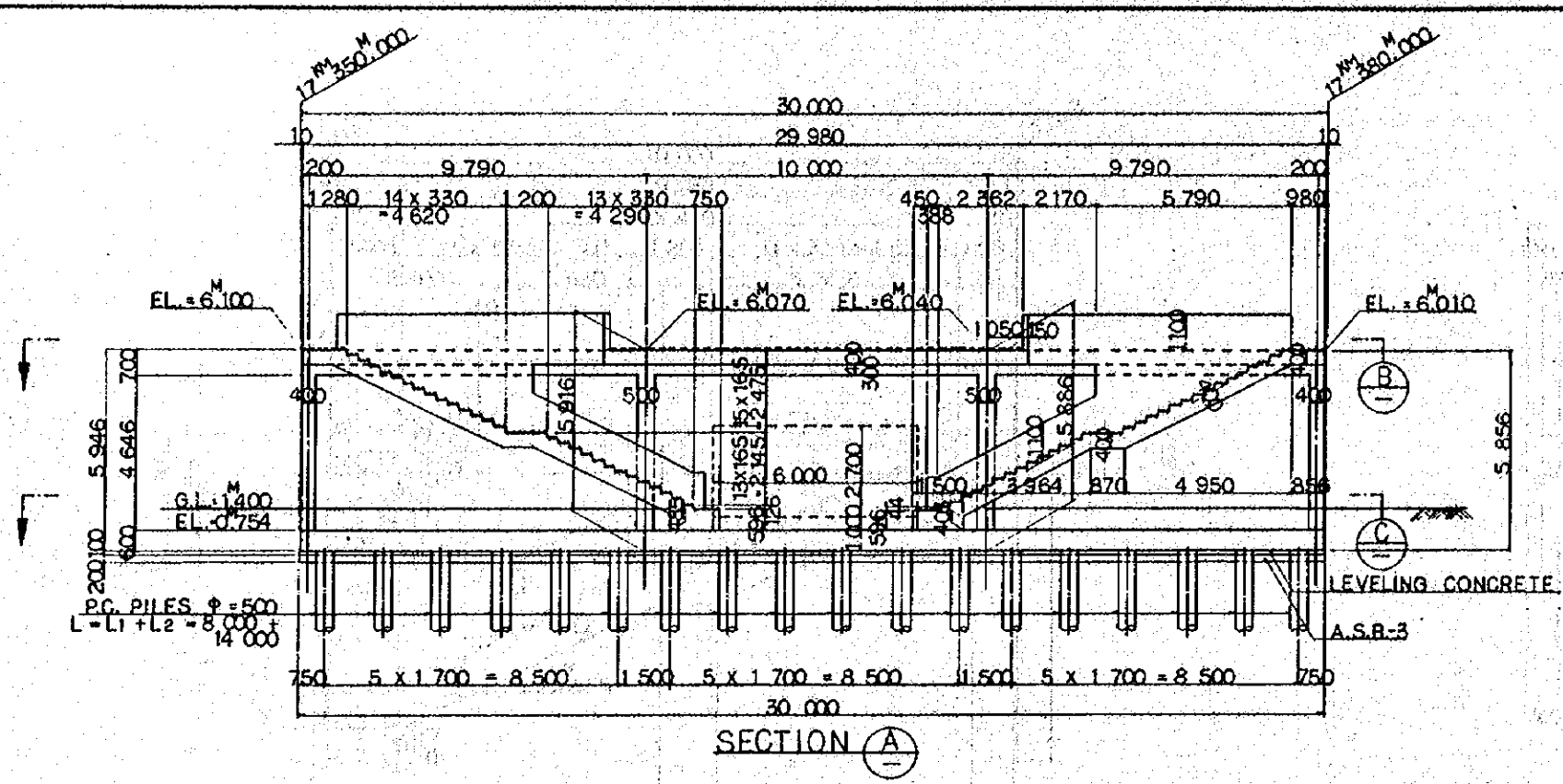
NEW RAILWAY LINE FOR CENKARENG AIRPORT CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

REVISIONS	DATE	DESIGNED	CHECKED	CREATED	REVIEWED	SUBMITTED
B	1 AUG 84	K.V.	M.Y.	K.A.	K.M.	M.K.
A	15 FEB 84	K.V.	M.Y.	K.A.	K.M.	M.K.

PLATFORM VP7, VP9
 GENERAL VIEW

PACKAGE: 1 CIVIL AND ARCHITECTURAL WORK
 SCALE: 1:100
 DRAWING NO: CS-245



- NOTES:
1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
 2. REFERENCE DRAWING FOR BAR ARRANGEMENT: CS-238 ~ 244.
 3. TYPES OF PC.PILE
 - BOTTOM SURFACE OF FOOTING
 - PC.PILE CLASS B.
 - PC.PILE CLASS A.
 4. GRADING CONCRETE SHALL BE SIMULTANEOUSLY PLACED WITH SLAB CONCRETE
- DESIGN CRITERIA

DESIGN LOAD	TRAIN LOAD	EQUIVALENT TO KS-16
	SEISMIC EFFECT	IN HORIZONTAL DIRECTION $E_h=0.1$ IN VERTICAL DIRECTION $E_v=0$
ALLOWABLE STRESS	REINFORCING BAR	ALLOWABLE TENSILE STRESS 180 kg/cm ²
	CONCRETE	ALLOWABLE COMPRESSIVE STRESS 80 kg/cm ²
MATERIAL	TYPE OF REINFORCING BAR	SD-36
	CONCRETE OF DESIGN CRITERIA STRENGTH	$\sigma_{ck}=110 \text{ kg/cm}^2$
	MAX SIZE OF COARSE AGGREGATE	15 mm

REPUBLIC OF INDONESIA
 MINISTRY OF COMMUNICATIONS
 DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

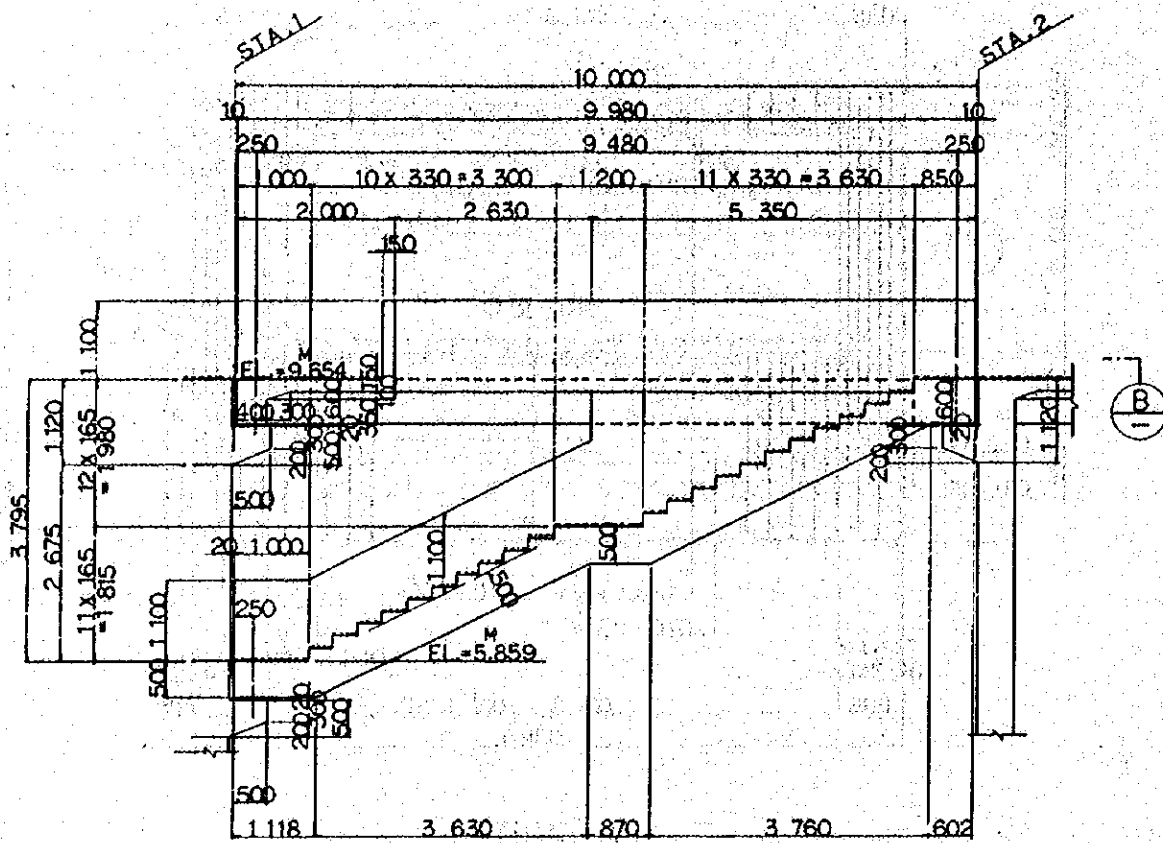
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

B	1 AUG '84	K.V.	m.y.	K.A.	K.M.	K.C.
A	1 FEB '84	K.V.	m.y.	K.A.	K.M.	K.C.

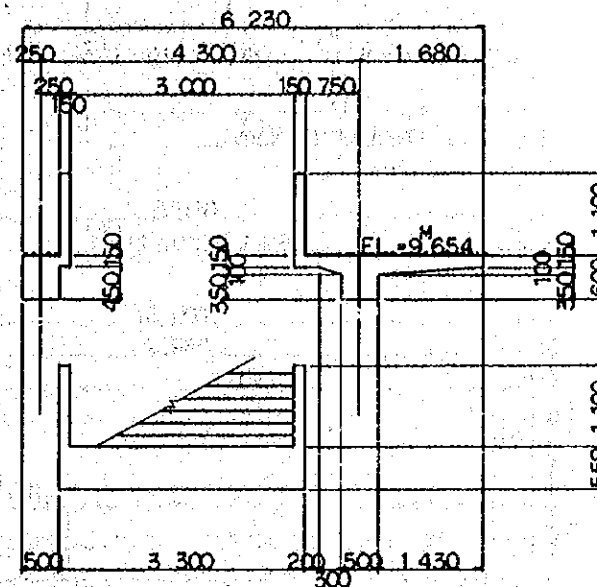
REVISIONS: DATE, CHECKED, DRAWN, DESIGNED, REVIEWED, SUBMITTED

PLATFORM VP8
 GENERAL VIEW

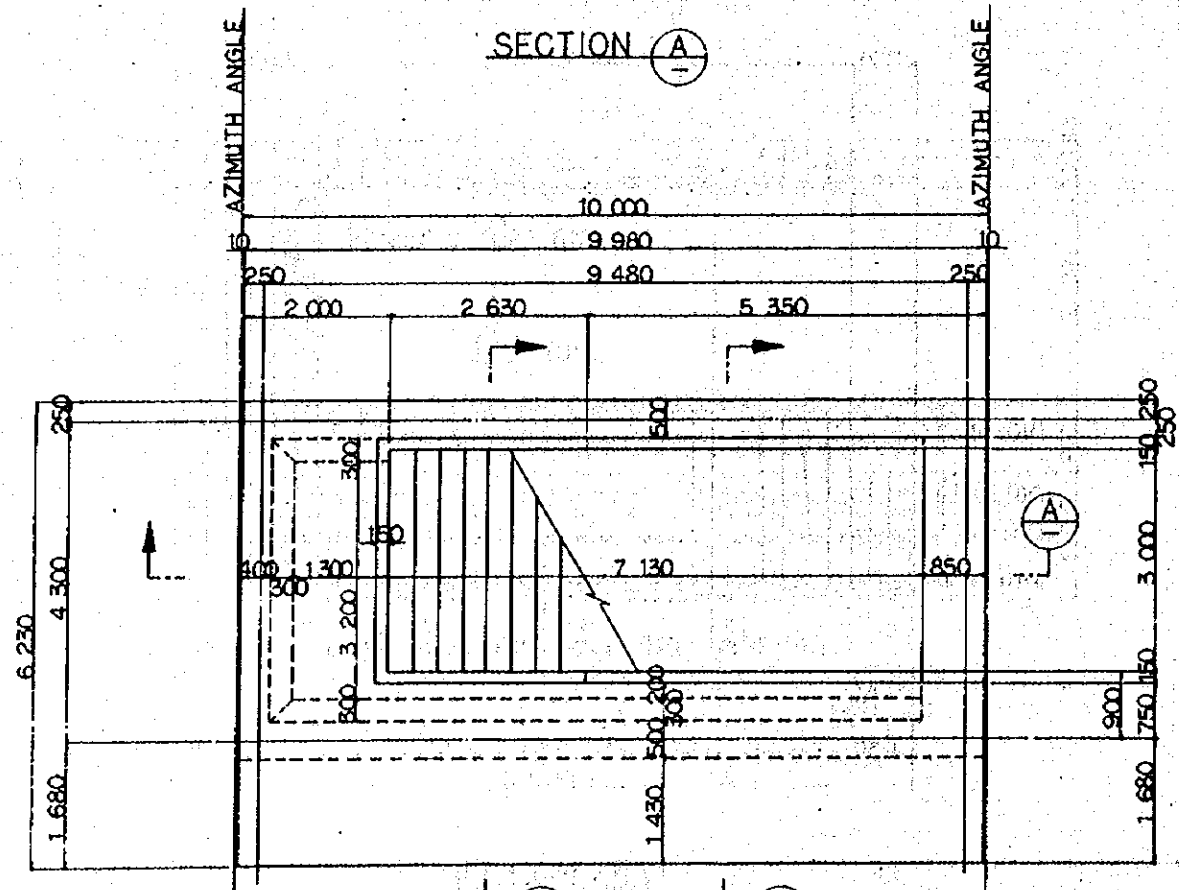
PACKAGE: I CIVIL AND ARCHITECTURAL WORK
 SCALE: 1:100 DRAWING NO: CS-246



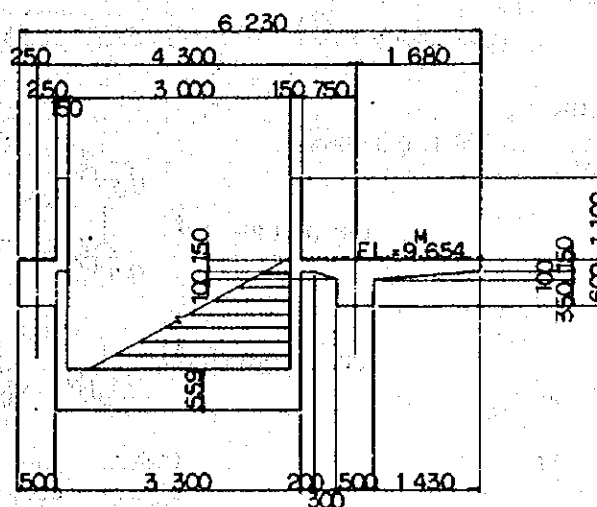
SECTION A



SECTION C



SECTION B



SECTION D

DIMENSION SCHEDULE

	STATION	AZIMUTH ANGLE
RCP	STA. 2 17 ^M 340.000	345° 30' 45"
	STA. 1 17 ^M 350.000	'
RCP	STA. 1 17 ^M 380.000	345° 30' 45"
	STA. 2 17 ^M 390.000	'

- NOTES :
1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
 2. REFERENCE DRAWING FOR BAR ARRANGEMENT : CS-248-250

REPUBLIC OF INDONESIA
 MINISTRY OF COMMUNICATIONS
 DIRECTORATE GENERAL OF LAND TRANSPORT
 AND INLAND WATERWAYS

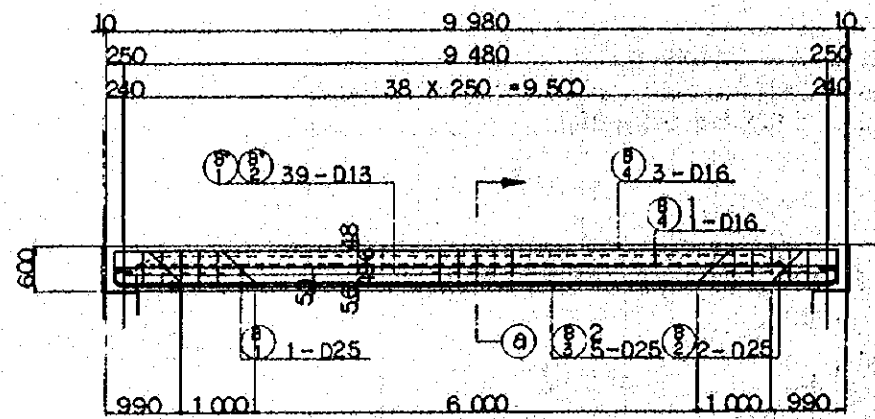
NEW RAILWAY LINE FOR CENGKARENG AIRPORT
 CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY
 (JICA)

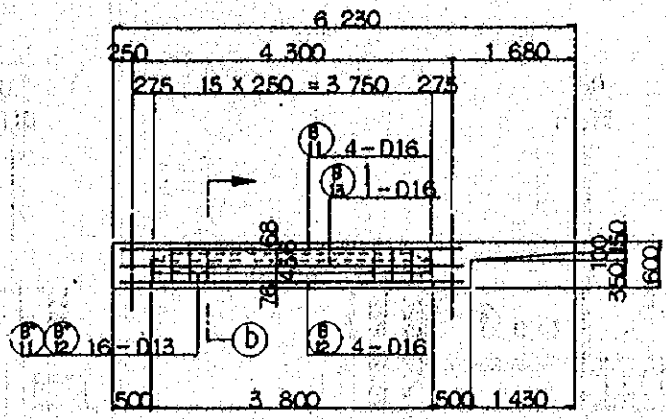
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1 AUG '84	K.V.	M.Y.	K.A.	K.M.	M.K.
A	12 FEB '84	K.V.	M.Y.	K.A.	K.M.	M.K.

PLATFORM RCPI, RCP2
 GENERAL VIEW

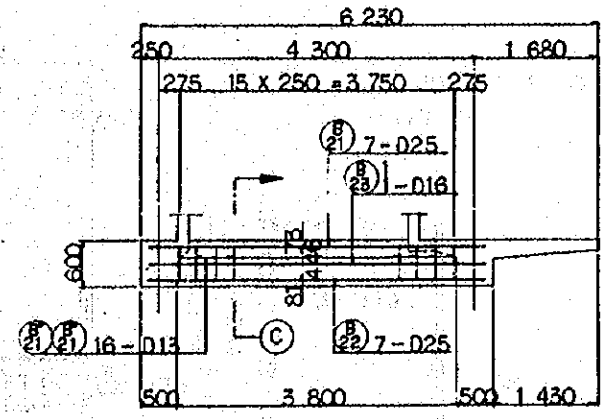
PACKAGE: I CIVIL AND ARCHITECTURAL WORK
 SCALE: 1:50 DRAWING NO: CS-247



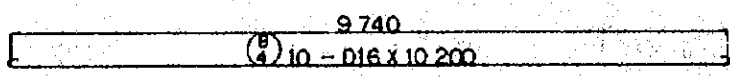
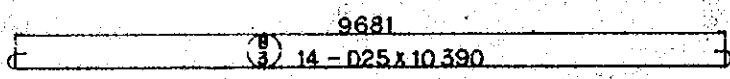
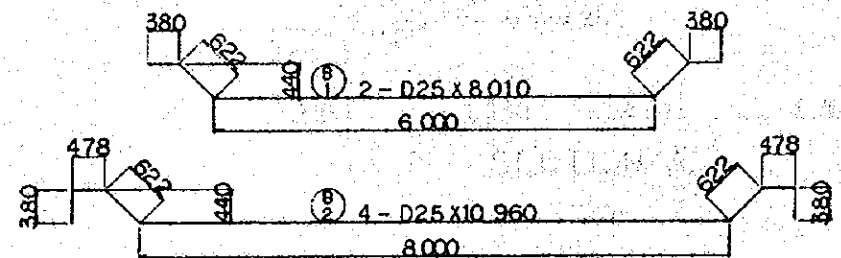
SECTION A



SECTION B



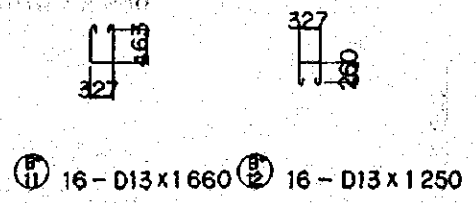
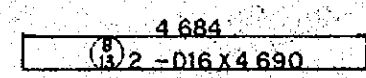
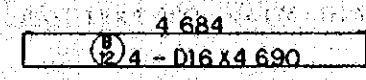
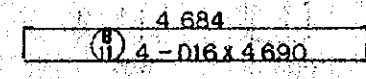
SECTION C



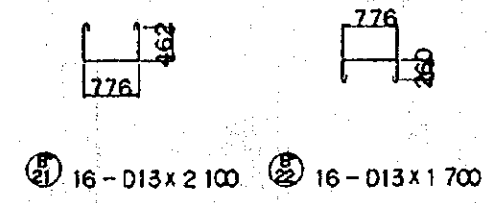
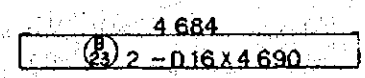
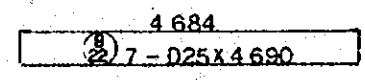
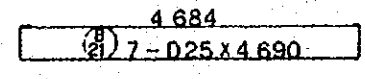
78-D13 x 1,800



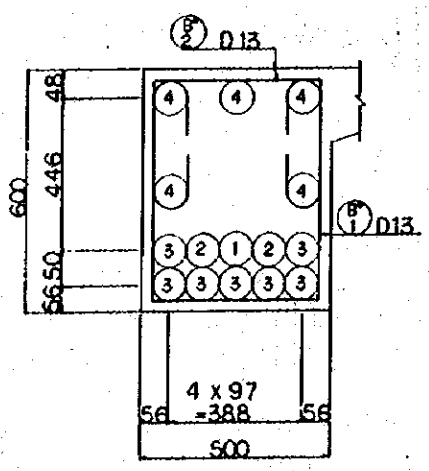
78-D13 x 1,350



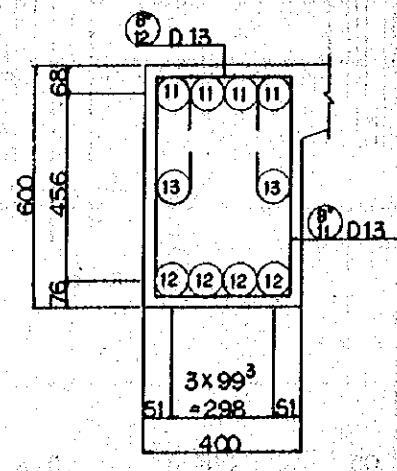
16-D13 x 1,660 16-D13 x 1,250



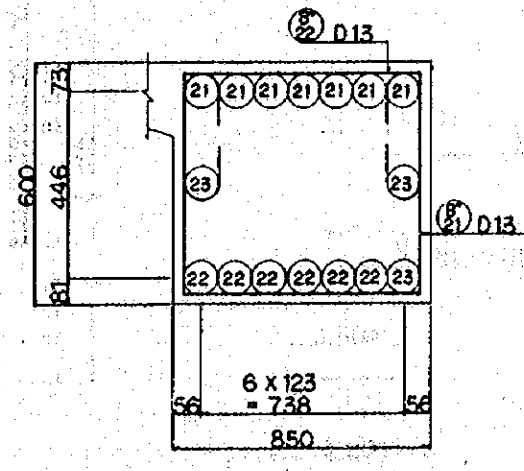
16-D13 x 2,100 16-D13 x 1,700



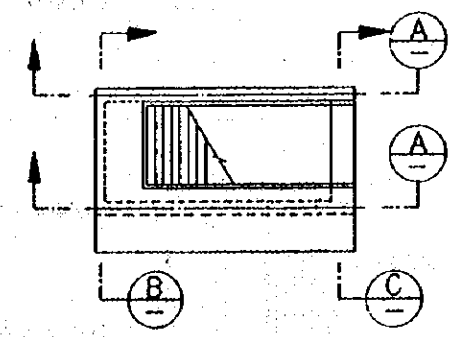
SECTION a-a



SECTION b-b



SECTION c-c



REMARKING DIAGRAM

- NOTES:
- ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
 - REFERENCE DRAWING FOR GENERAL VIEW : CS-247.

REPUBLIC OF INDONESIA
 MINISTRY OF COMMUNICATIONS
 DIRECTORATE GENERAL OF LAND TRANSPORT
 AND INLAND WATERWAYS

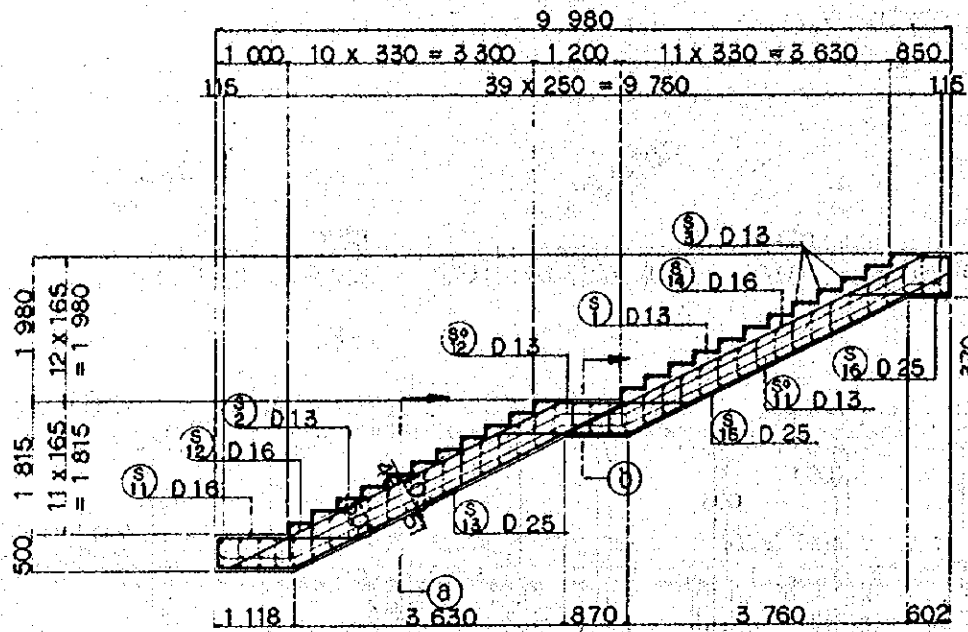
NEW RAILWAY LINE FOR CENGKARENG AIRPORT
 CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY
 (JICA)

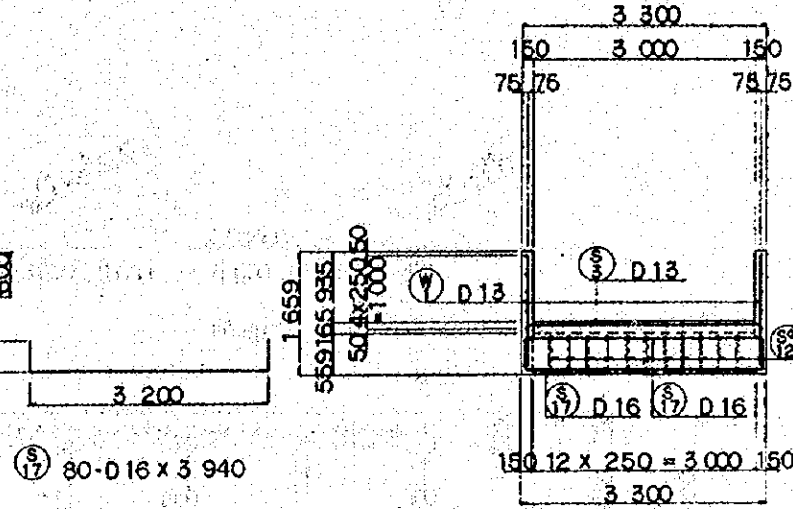
B	1 AUG. '84	K.d	m.y	K.A	K.M	M.K
A	1 FEB. '84	K.d	m.y	K.A	K.M	M.K
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED

PLATFORM RCPI
 BAR ARRANGEMENT
 (SHEET 2 OF 3)

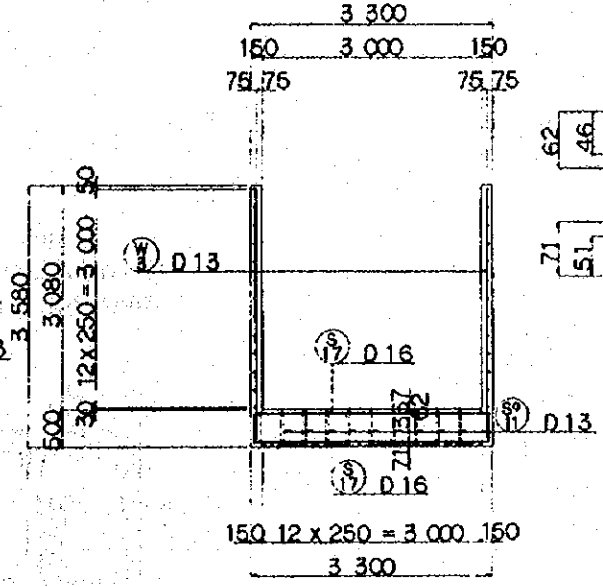
PACKAGE: I CIVIL AND ARCHITECTURAL WORK
 SCALE: 1:50
 DRAWING NO: CS-249



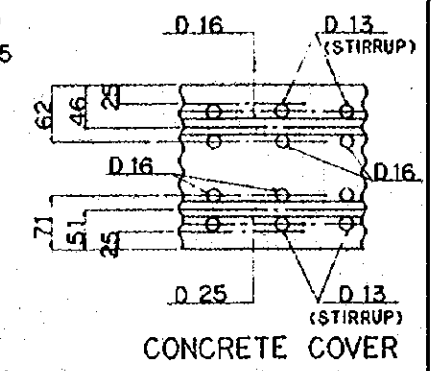
SECTION A-A



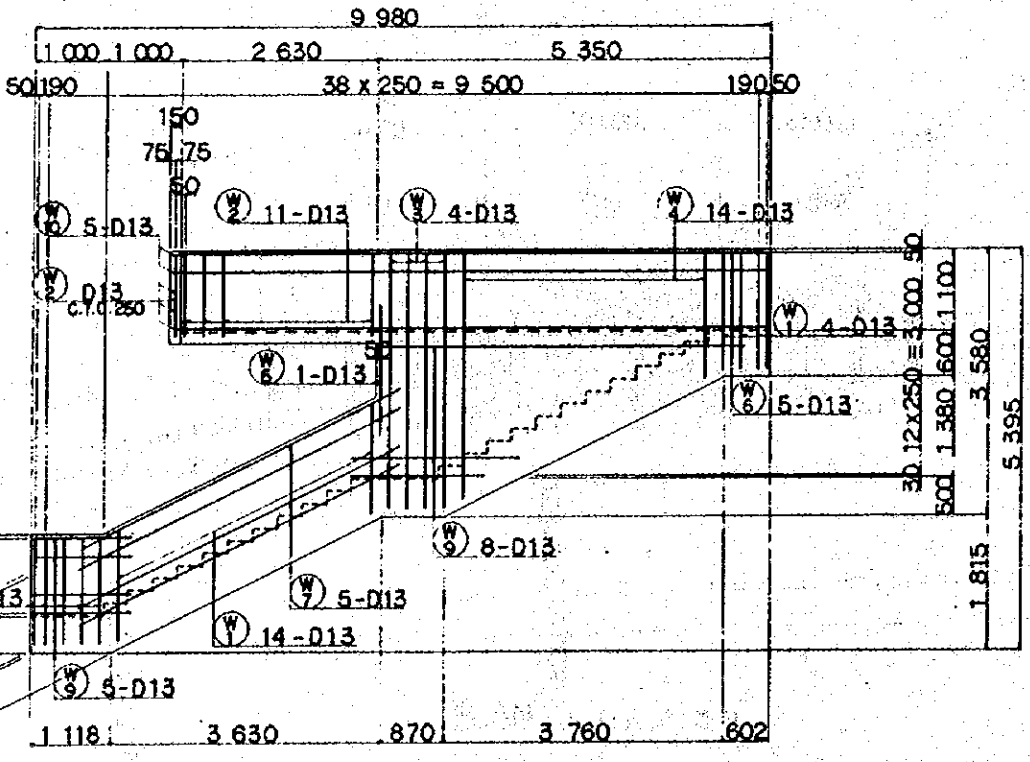
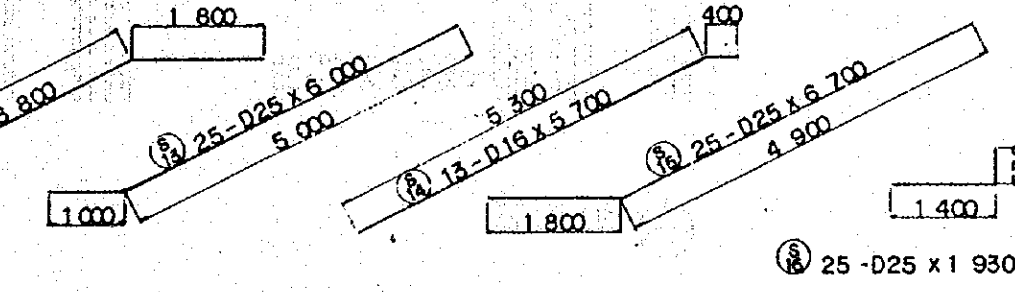
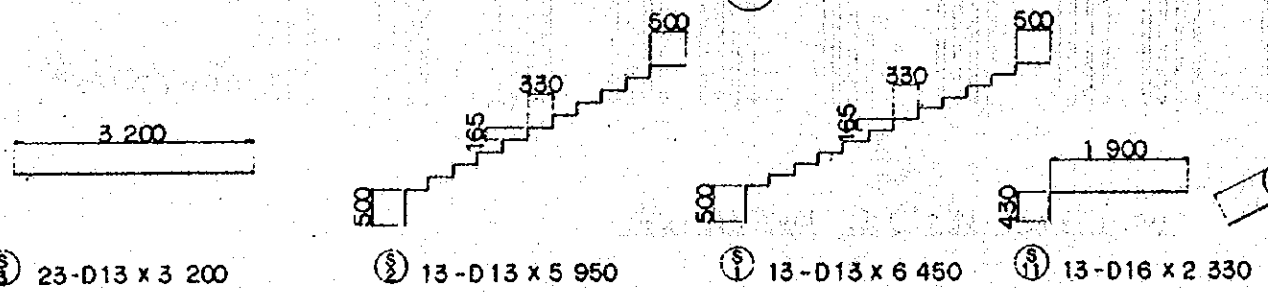
SECTION B-B



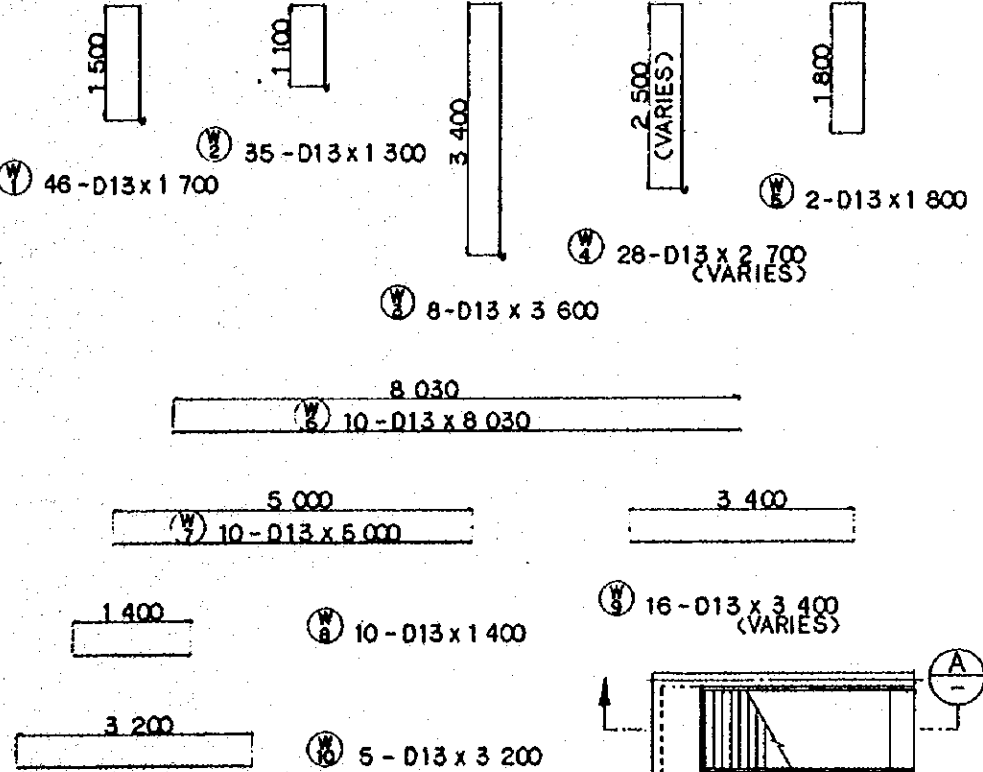
SECTION C-C



- NOTES:
1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
 2. REFERENCE DRAWING FOR GENERAL VIEW : CS-247.

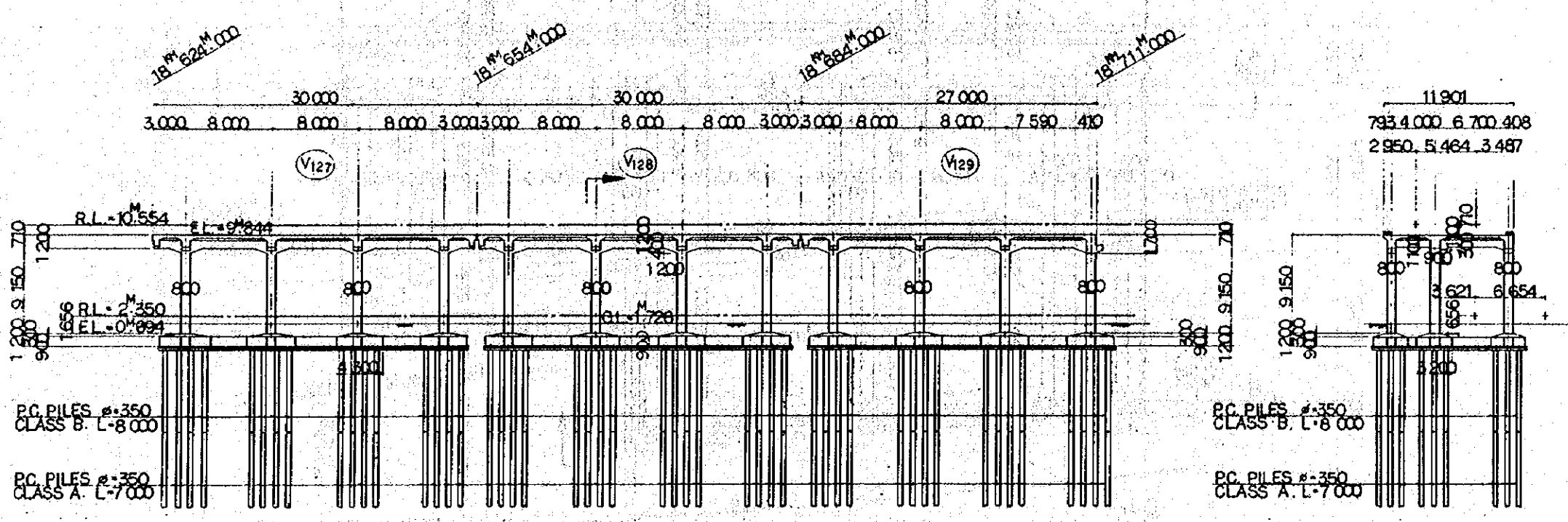
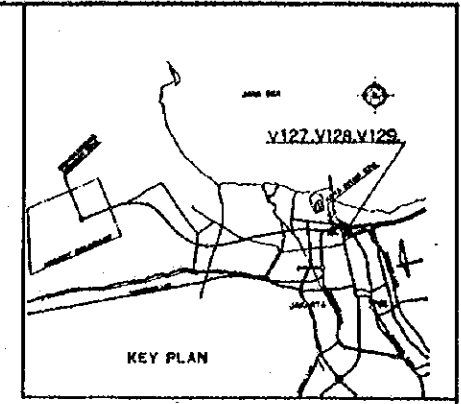


WALL BAR ARRANGEMENT

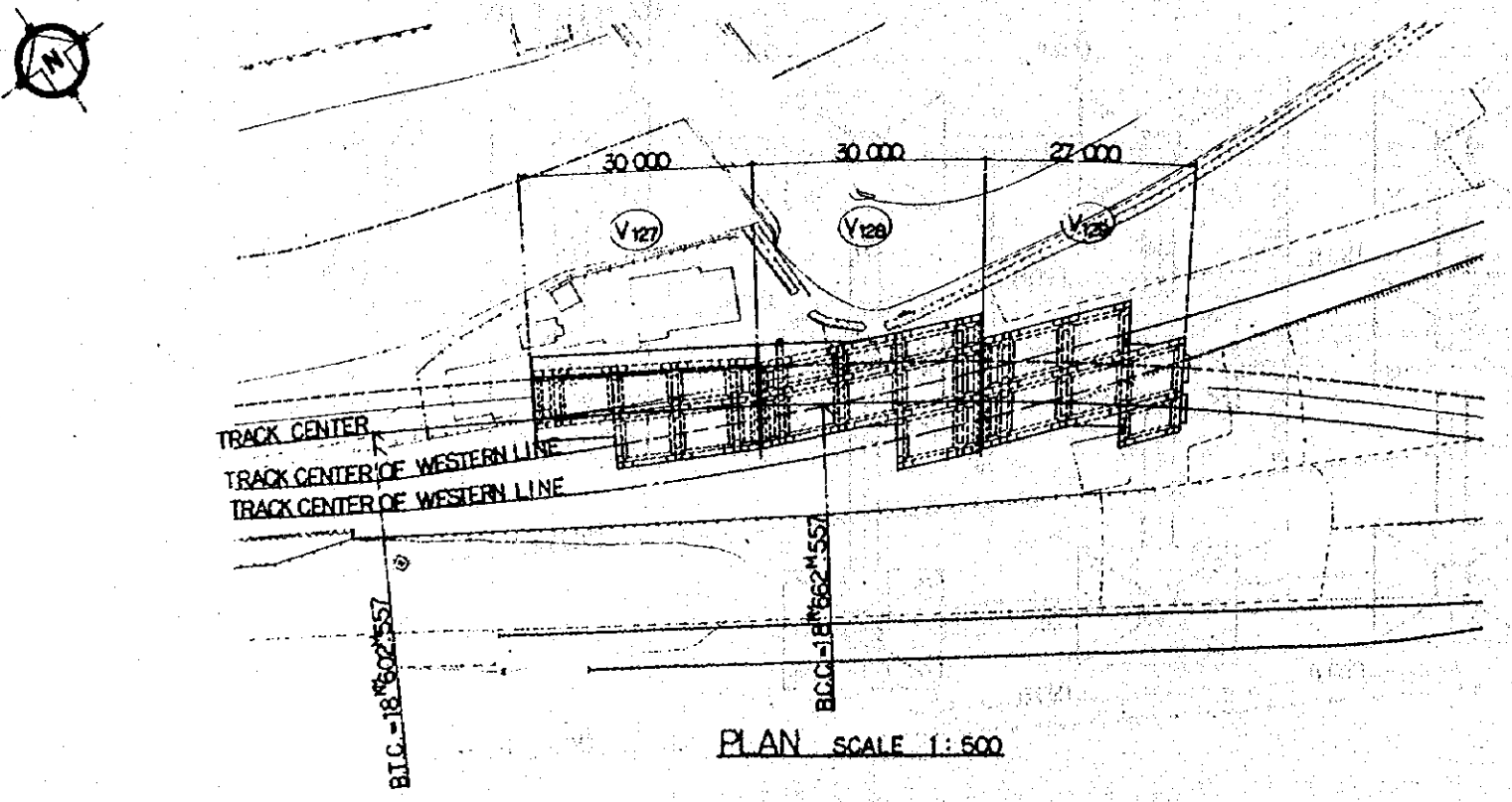


REMARKING DIAGRAM

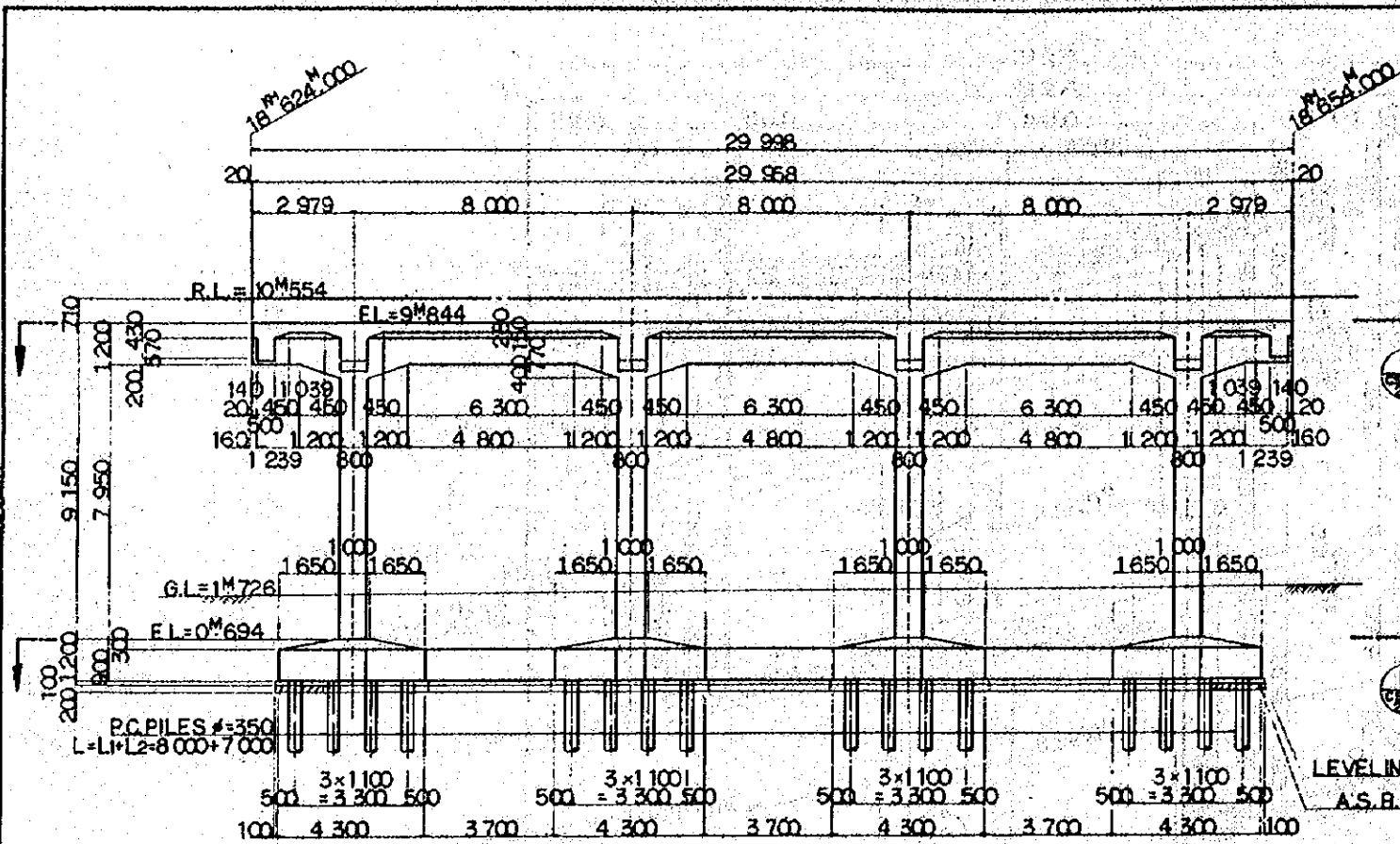
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
REVISION	DATE	DESIGNED	CHECKED	REVIEWED	SUBMITTED
B	1 AUG '84	K.I.	M.Y.	K.S.	K.M.
A	11 FEB '84	K.I.	M.Y.	K.S.	K.M.
PLATFORM RCPI BAR ARRANGEMENT (SHEET 3 OF 3)					
PACKAGE: I CIVIL AND ARCHITECTURAL WORK					
SCALE: 1:50		DRAWING NO: CS-250			



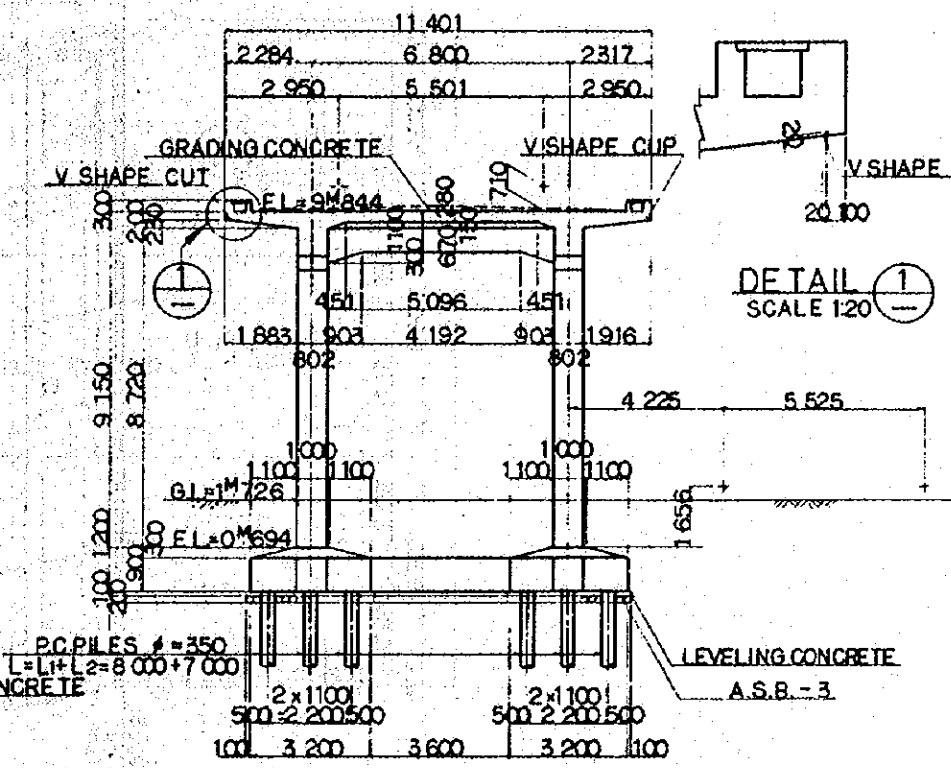
NOTE :
 1 ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED.



REPUBLIC OF INDONESIA					
MINISTRY OF COMMUNICATIONS					
DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
B	1 AUG '84	TKAOKAKM AK			
A	15 FEB '84	TKAOKAKM AK			
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	SUBMITTED
GENERAL VIEW OF VIADUCT AT OVER-PASS OF THE WESTERN LINE					
PACKAGE: I CIVIL AND ARCHITECTURAL WORK					
SCALE 1:500,250		DRAWING NO. CS-251			

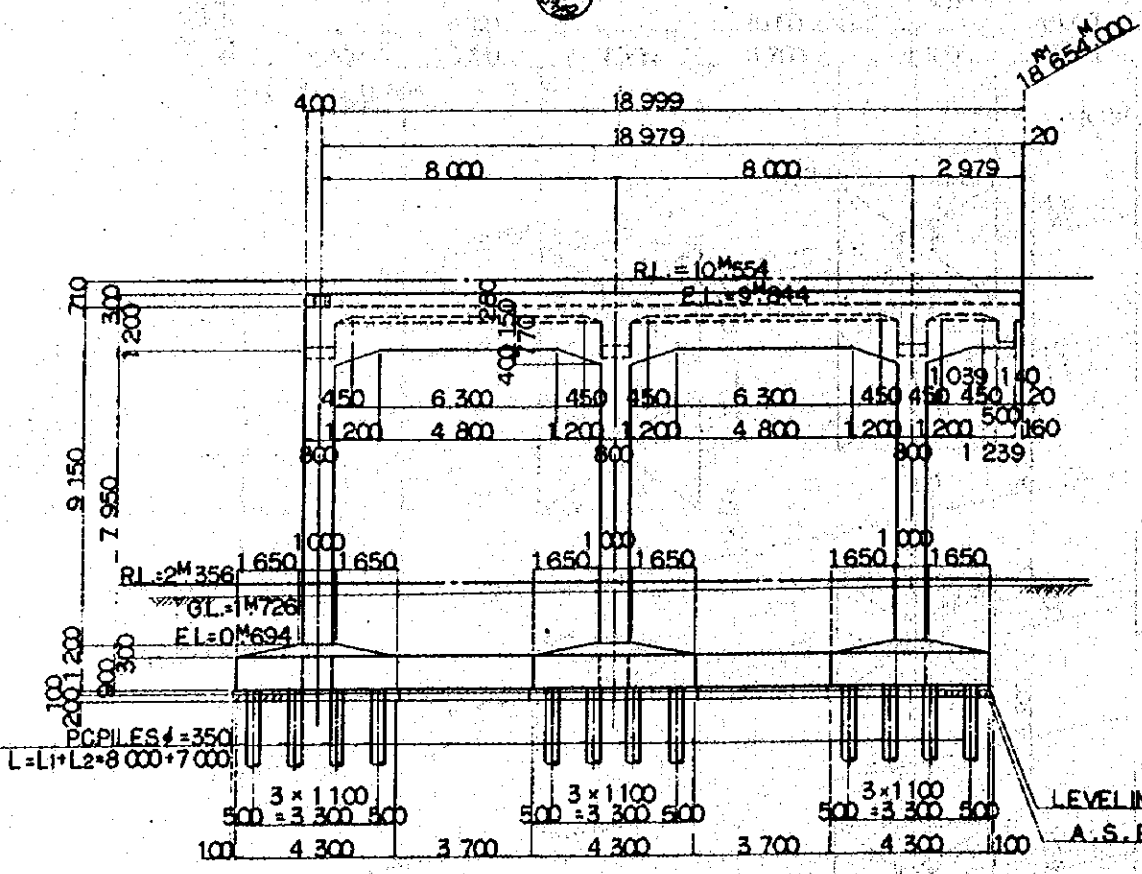


SECTION A

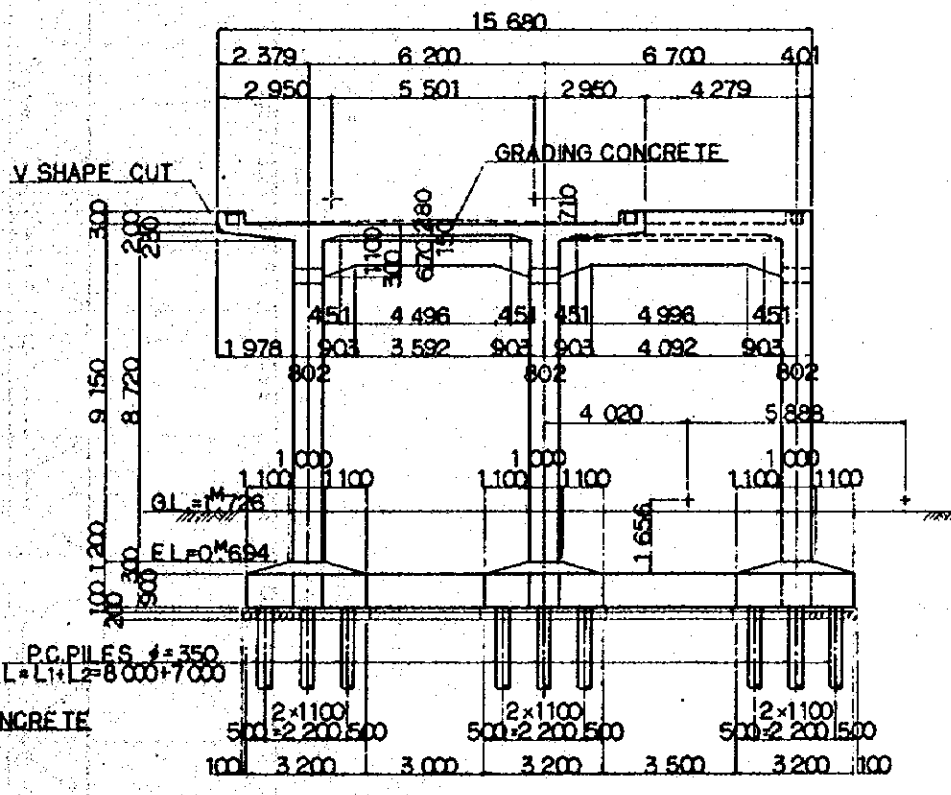


SECTION C

DETAIL 1
SCALE 1/20



SECTION B



SECTION D

- NOTES:
- ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
 - REFERENCE DRAWING FOR BAR ARRANGEMENT:

CS-258	CS-263	CS-268
CS-259	CS-264	CS-269
CS-260	CS-265	CS-270
CS-261	CS-266	CS-271
CS-262	CS-267	
 - TYPES OF P.C. PILE

1	BOTTOM SURFACE OF FOOTING
2	P.C. PILE CLASS B
3	P.C. PILE CLASS A
 - GRADING CONCRETE SHALL BE SIMULTANEOUSLY PLACED WITH SLAB CONCRETE

REPUBLIC OF INDONESIA
 MINISTRY OF COMMUNICATIONS
 DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS

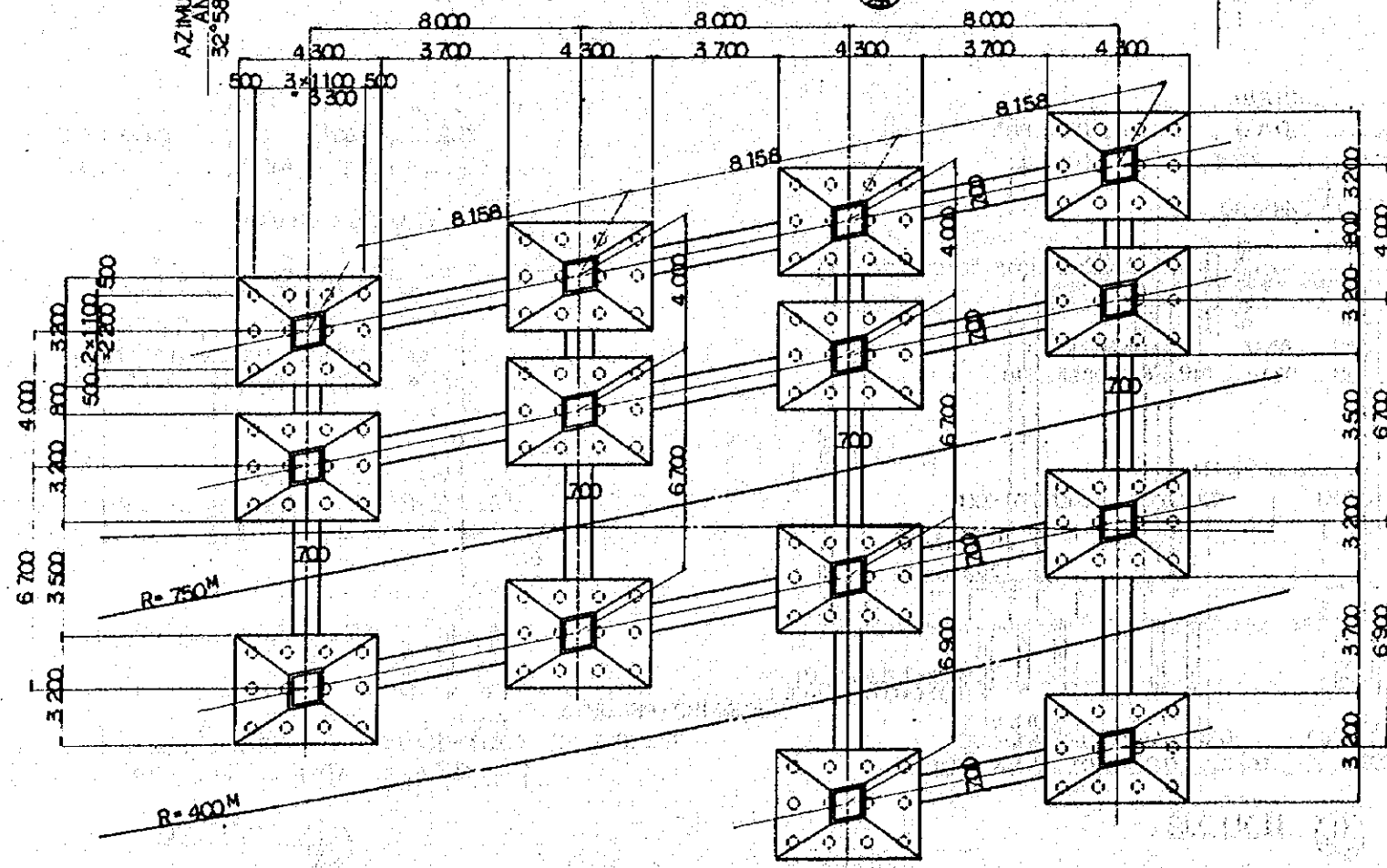
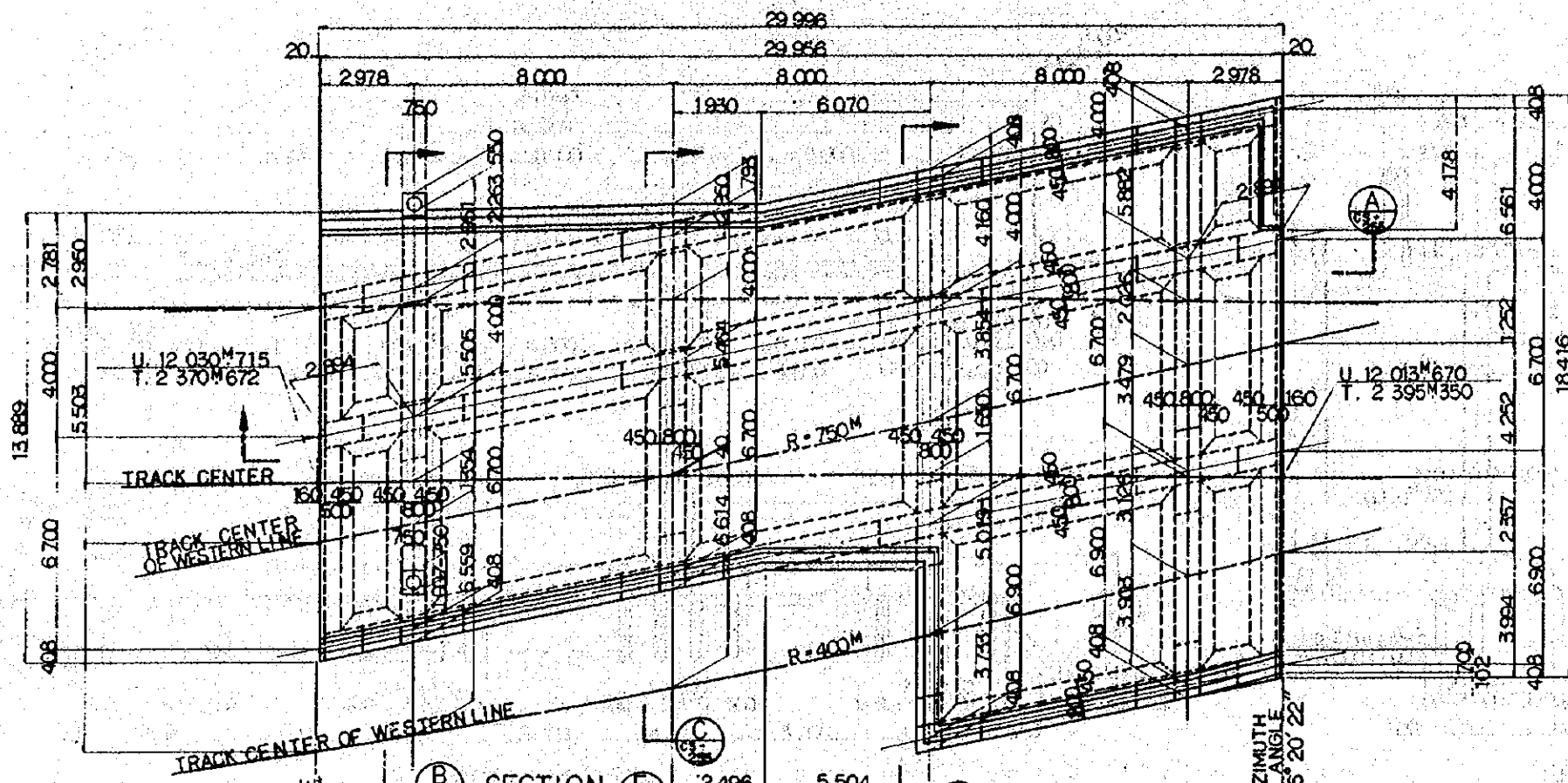
NEW RAILWAY LINE FOR CENKARENS AIRPORT
 CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY
 (JICA)

REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1AUG'84	T.K.A.O.	K.A.K.M.	L.K.		
A	15FEB'84	T.K.A.O.	K.A.K.M.	L.K.		

VIADUCT V127
 GENERAL VIEW
 (SHEET 2 OF 2)

PACKAGE: I CIVIL AND ARCHITECTURAL WORK
 SCALE: 1:100
 DRAWING NO: CS-253



NOTES:
 1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
 2. REFERENCE DRAWING FOR BAR ARRANGEMENT:

CS - 258	CS - 265
CS - 259	CS - 266
CS - 260	CS - 267
CS - 261	CS - 268
CS - 262	CS - 269
CS - 263	CS - 270
CS - 264	CS - 271

REPUBLIC OF INDONESIA
 MINISTRY OF COMMUNICATIONS
 DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS

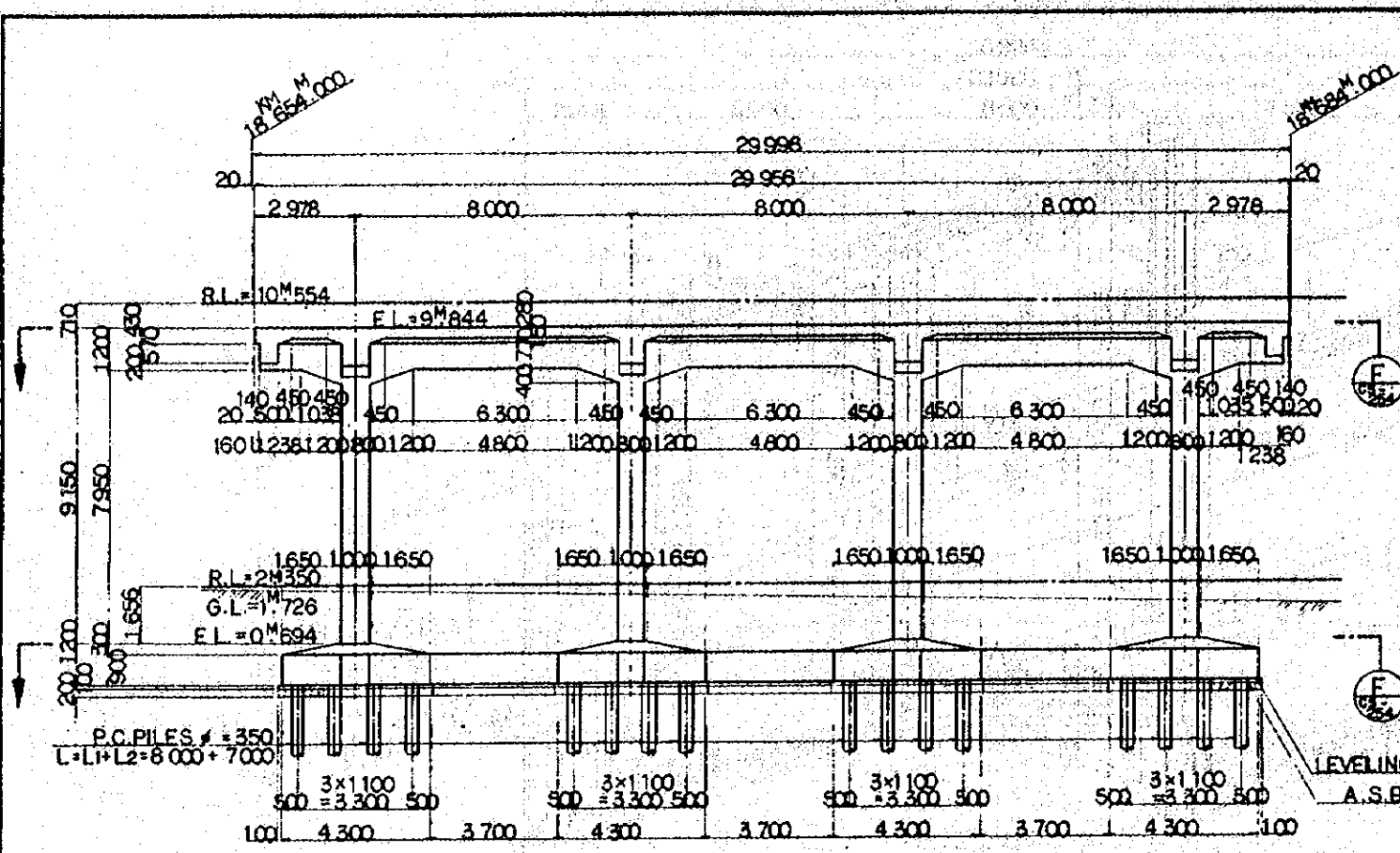
NEW RAILWAY LINE FOR CENKAREMB AIRPORT
 CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY - (JICA)

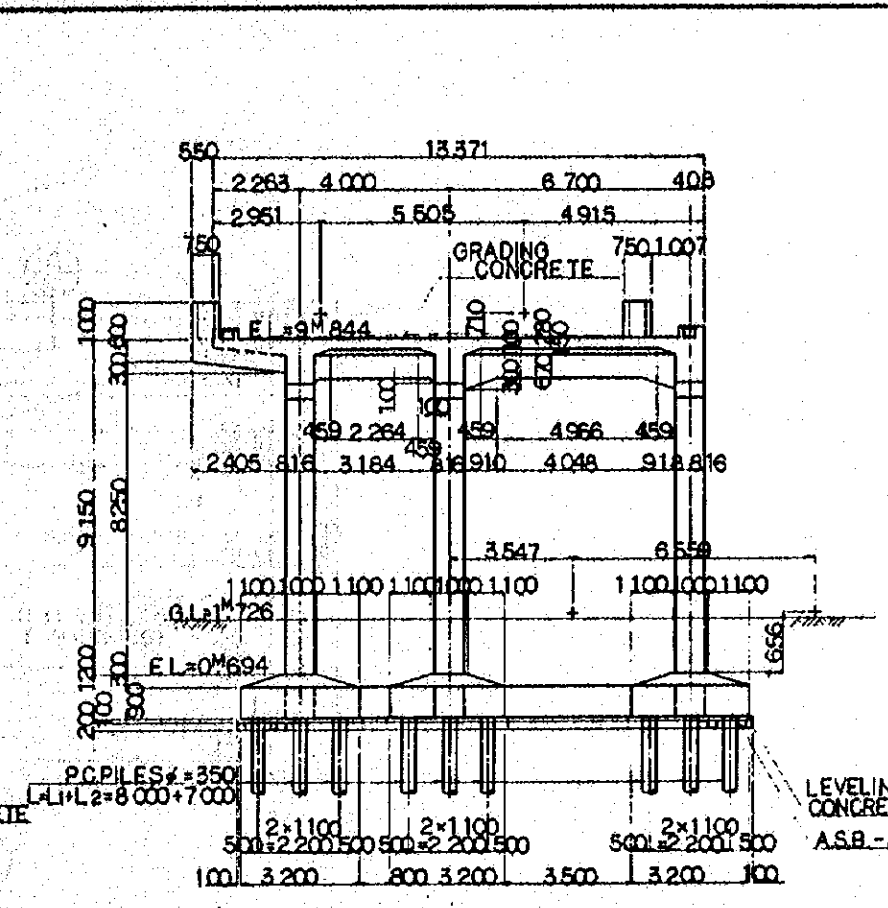
B	1AUG'84	T.K.A.O.K.A.	K.M.	K.K.		
A	11FEB'84	T.K.A.O.K.A.	K.M.	K.K.		
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED

VIADUCT V128
 GENERAL VIEW
 (SHEET 1 OF 2)

PACKAGE: I CIVIL AND ARCHITECTURAL WORK
 SCALE: 1:100
 DRAWING NO: CS-254



SECTION A

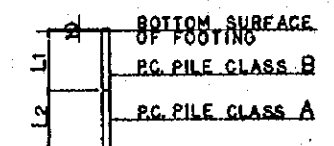


SECTION B

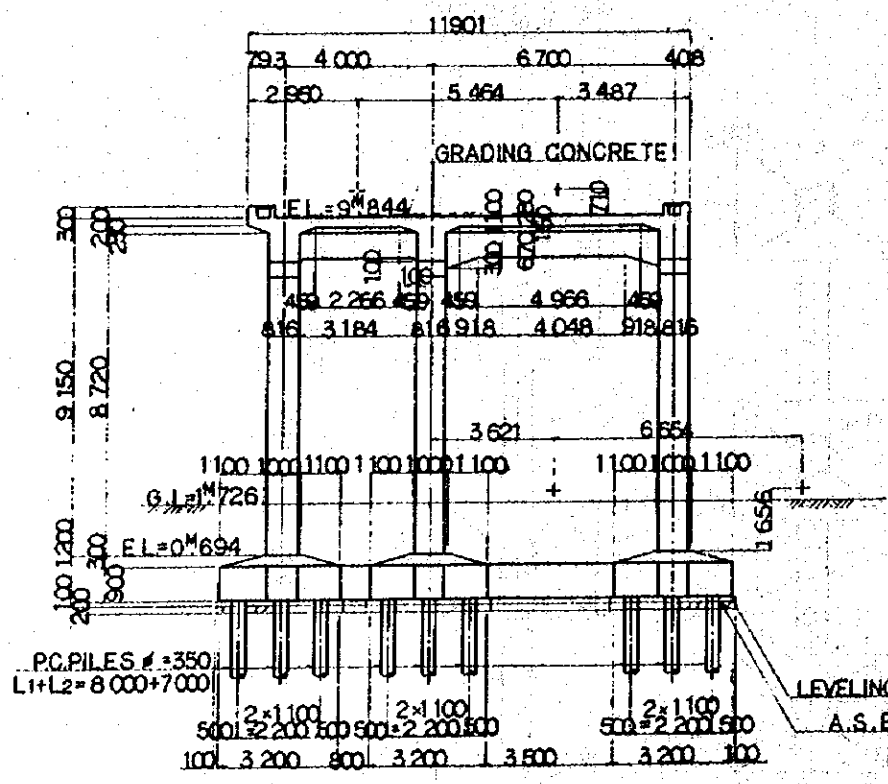
NOTES:
 1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
 2. REFERENCE DRAWING FOR BAR ARRANGEMENT:

CS-258	CS-263	CS-268
CS-259	CS-264	CS-269
CS-260	CS-265	CS-270
CS-261	CS-266	CS-271
CS-262	CS-267	

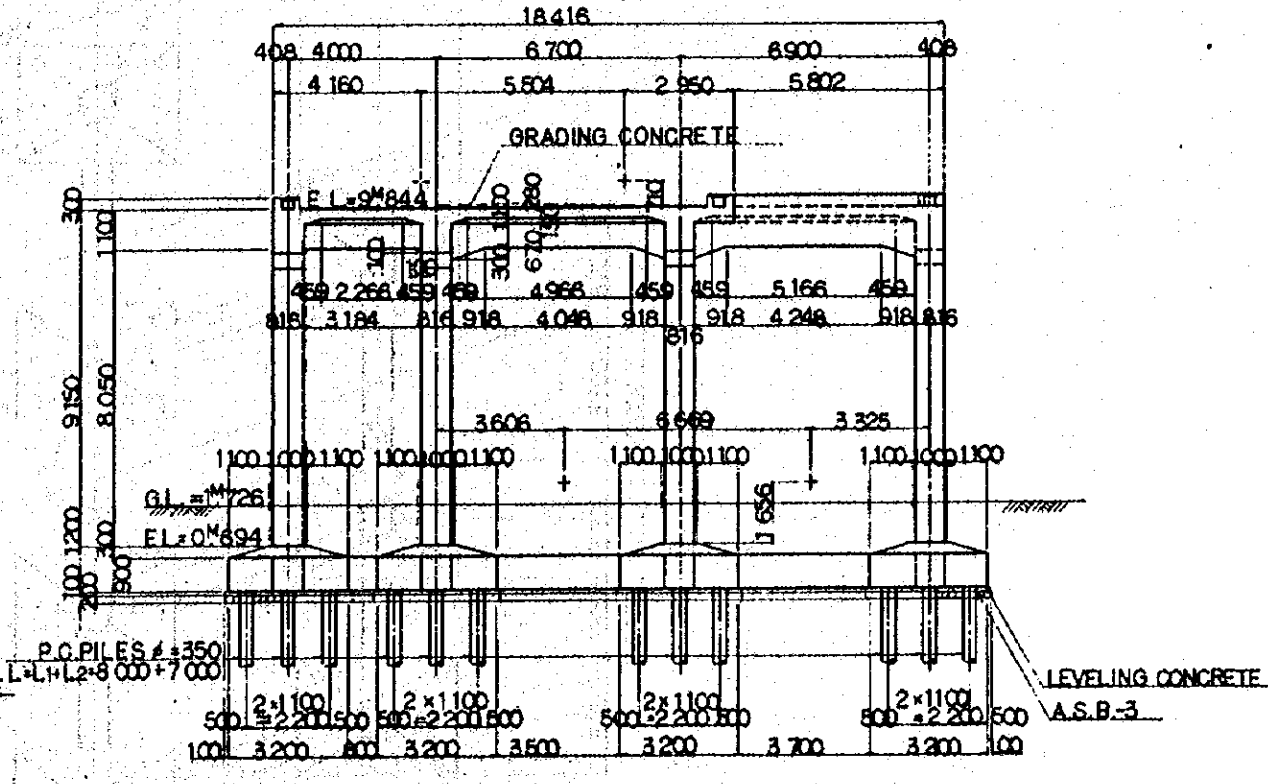
3. TYPES OF P.C. PILE



4. GRADING CONCRETE SHALL BE SIMULTANEOUSLY PLACED WITH SLAB CONCRETE

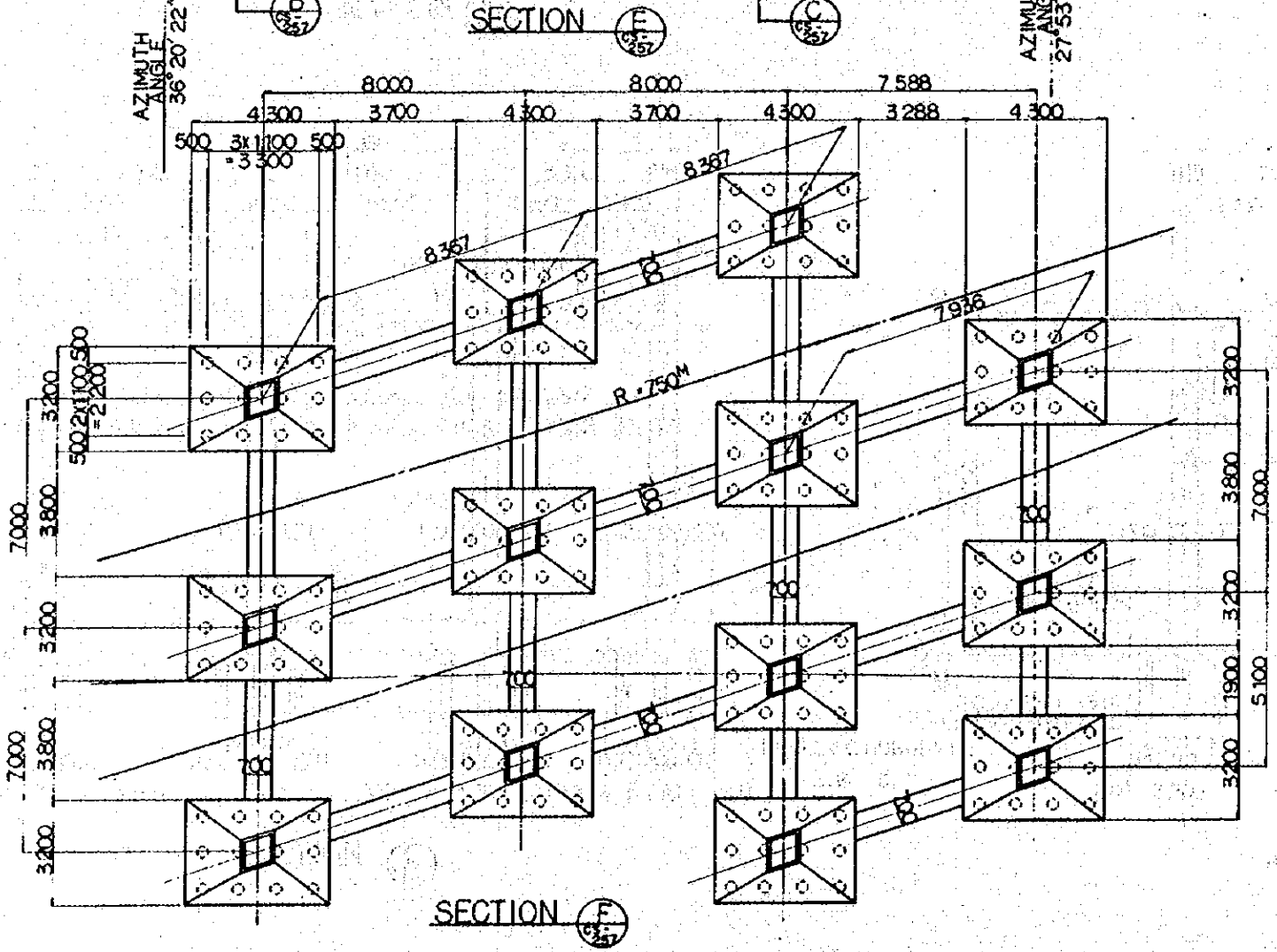
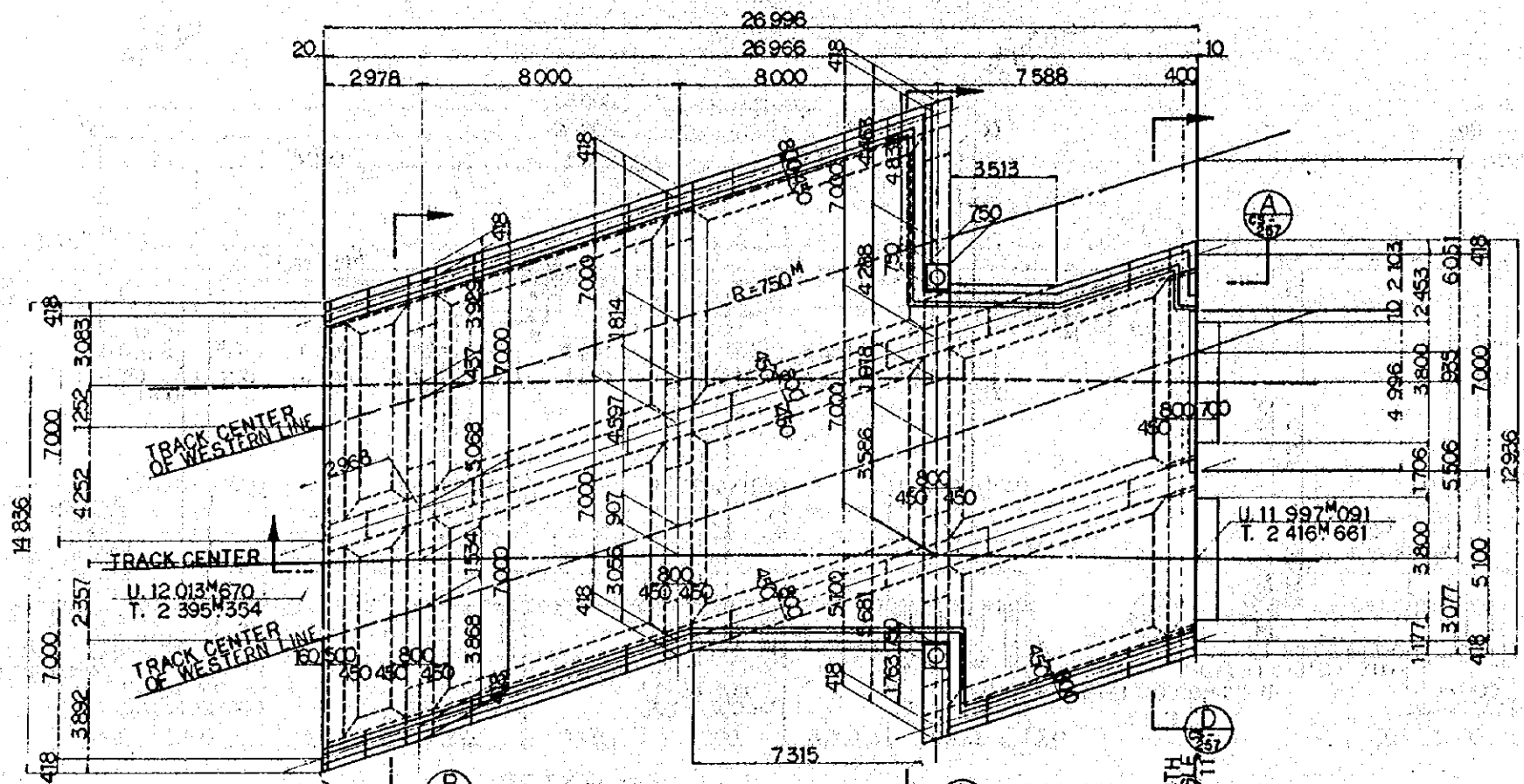


SECTION C



SECTION D

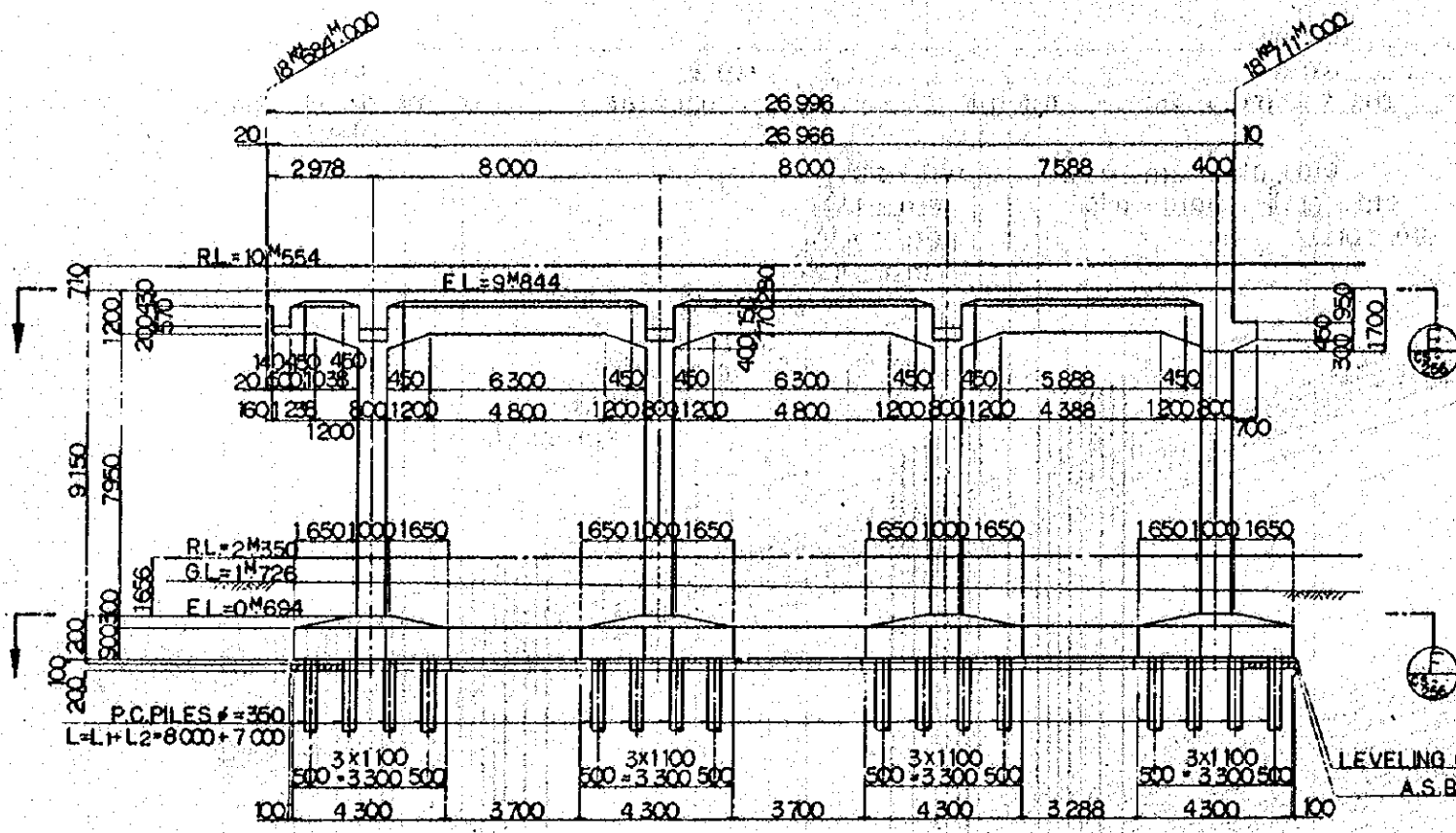
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	APPROVED	REVISIONS
B	1 AUG 84	T.K.	A.O.	K.A.	K.M.	M.K.
A	1 FEB 84	T.K.	A.P.	K.A.	K.M.	M.K.
VIADUCT V128 GENERAL VIEW (SHEET 2 OF 2)						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE	NUMBERING					
1:100	CS-256					



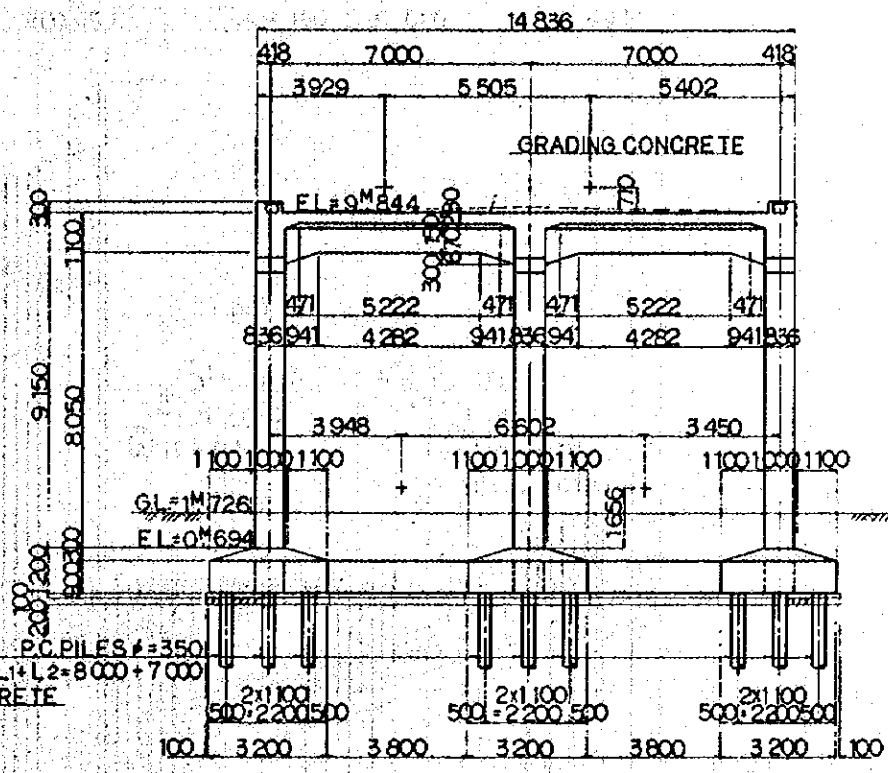
NOTES:
 1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
 2. REFERENCE DRAWING FOR BAR ARRANGEMENT:

CS - 258	CS - 265
CS - 259	CS - 266
CS - 260	CS - 267
CS - 261	CS - 268
CS - 262	CS - 269
CS - 263	CS - 270
CS - 264	CS - 271

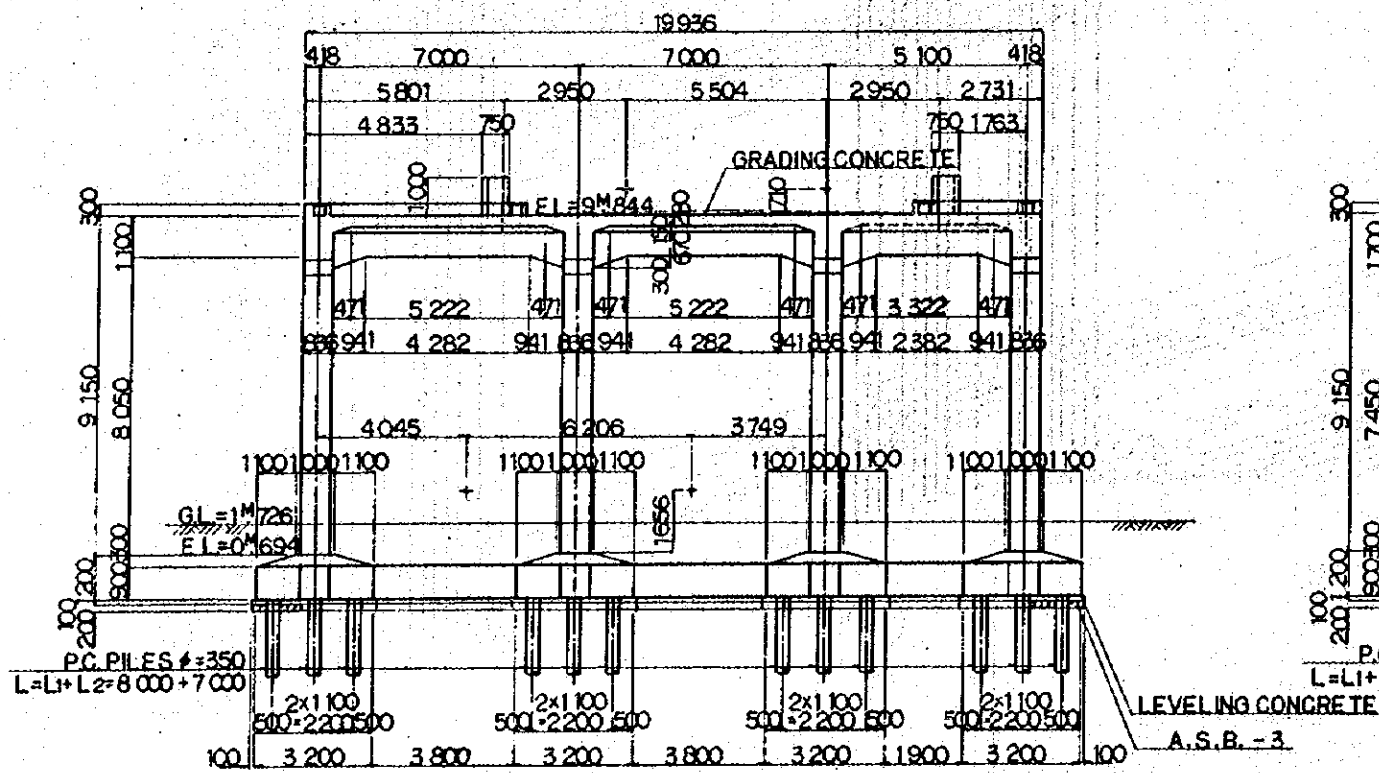
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR CENGLARENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
B	1 AUG 84	T.K.	A.O.	K.K.	K.M.
A	12 FEB 84	T.K.	A.O.	K.K.	K.M.
REVISION	DATE	DESIGNED	CHECKED	REVIEWED	SUBMITTED
VIADUCT V129 GENERAL VIEW (SHEET 1 OF 2)					
PROGRAM: I CIVIL AND ARCHITECTURAL WORK					
SCALE: 1:100		DRAWING NO: CS-256			



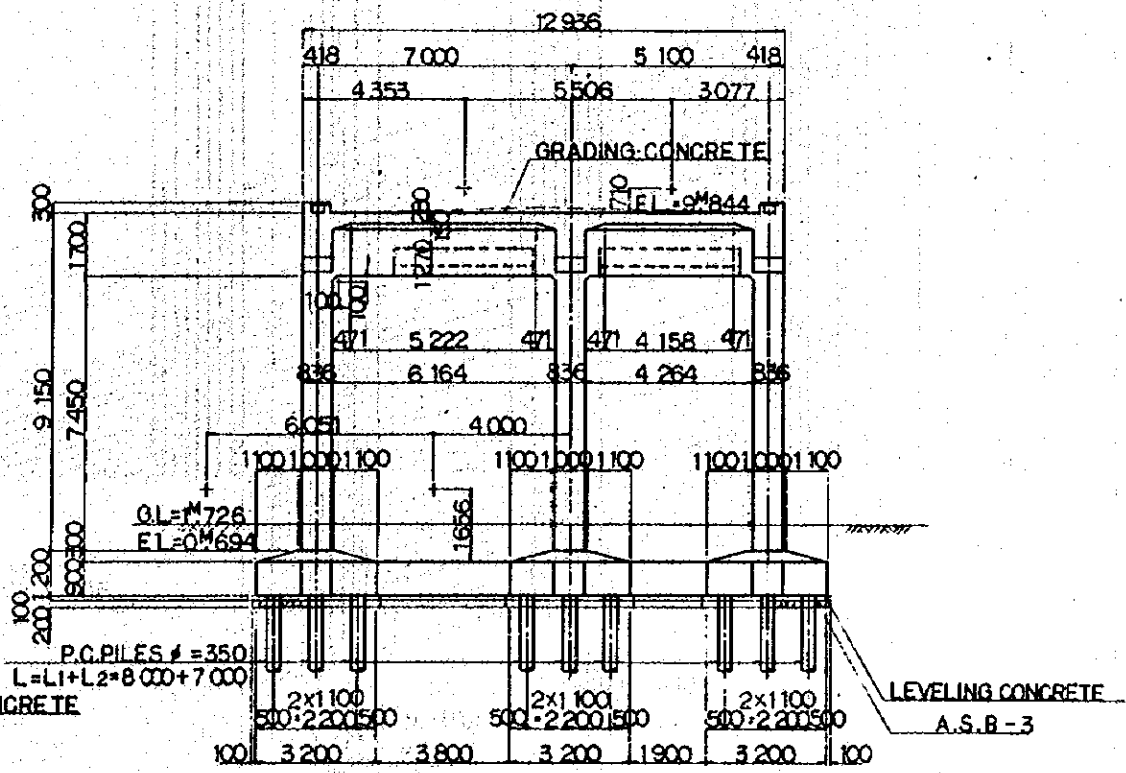
SECTION A



SECTION B



SECTION C

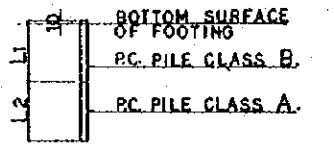


SECTION D

NOTES:
 1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
 2. REFERENCE DRAWING FOR BAR ARRANGEMENT:

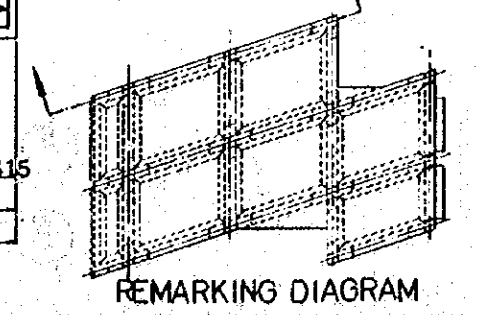
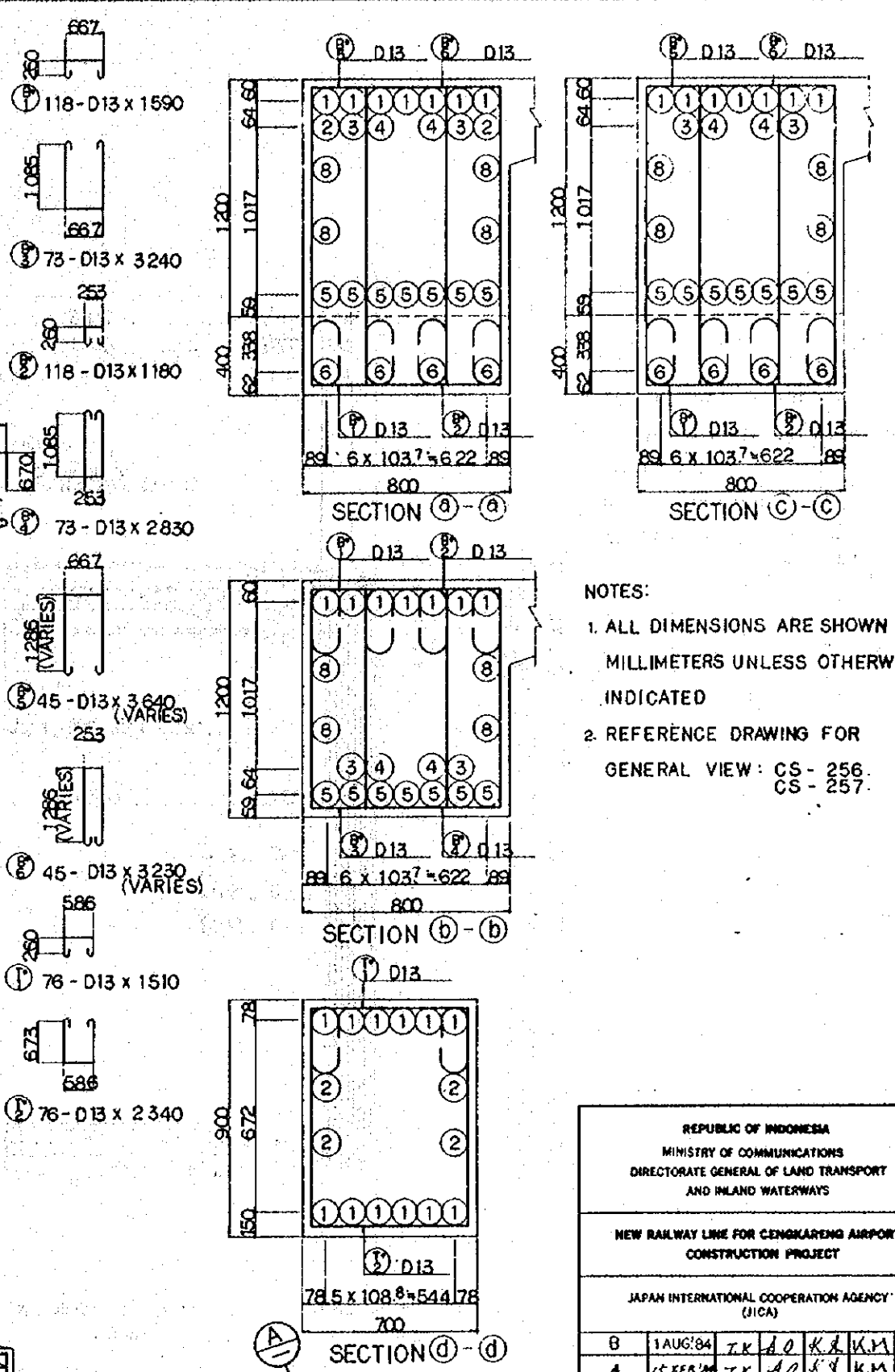
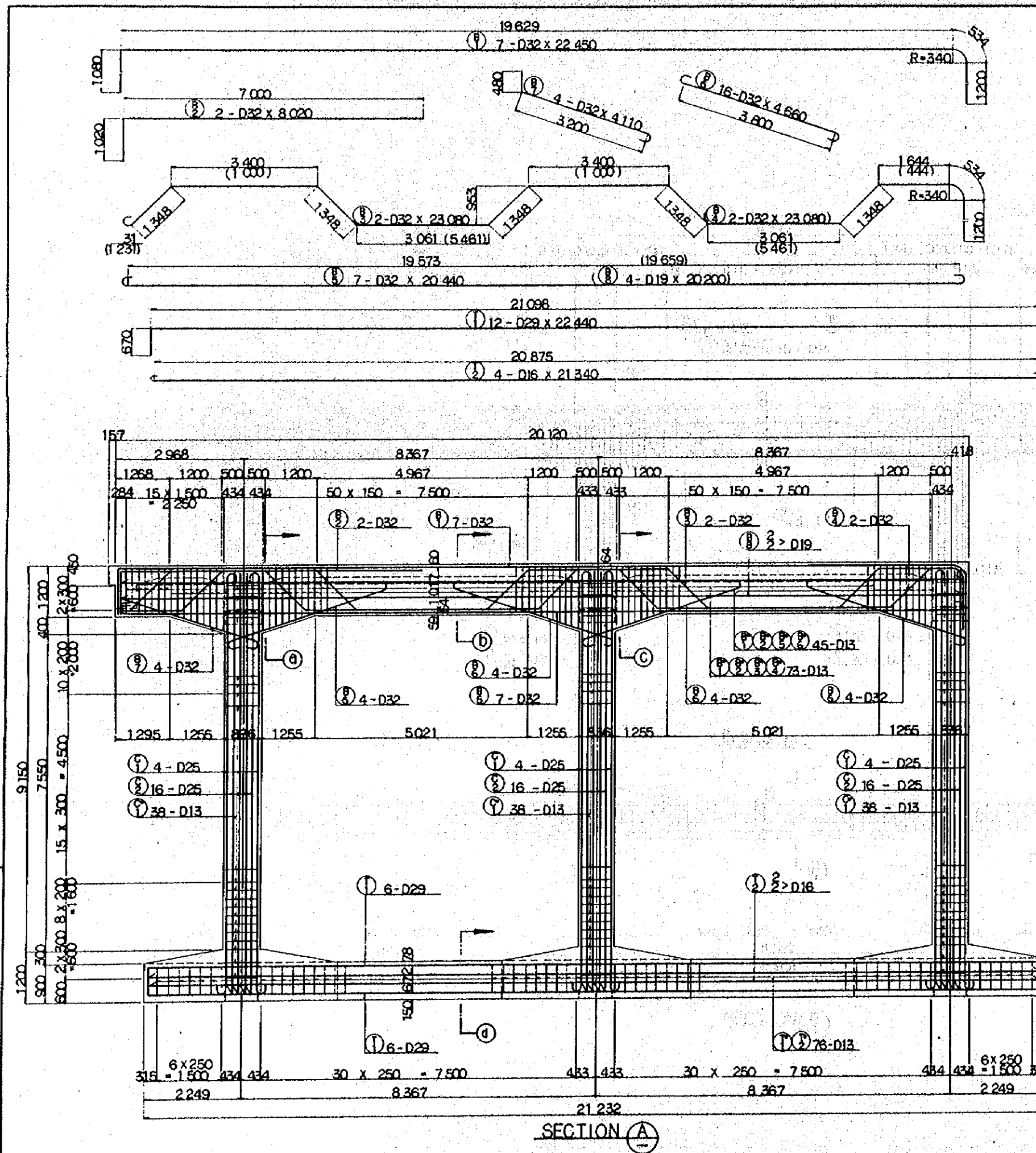
CS-258	CS-263	CS-268
CS-259	CS-264	CS-269
CS-260	CS-265	CS-270
CS-261	CS-266	CS-271
CS-262	CS-267	

3. TYPES OF RC. PILE



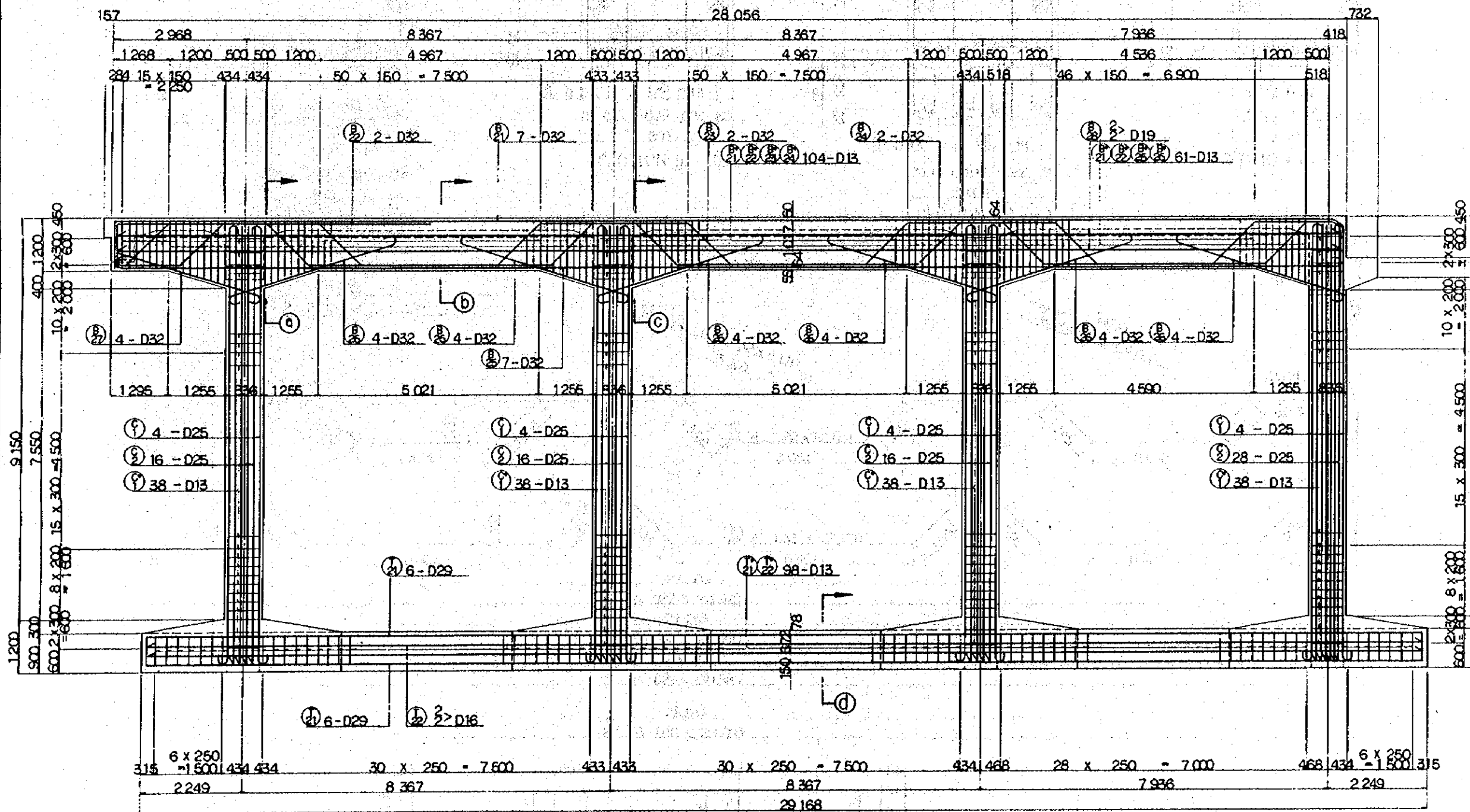
4. GRADING CONCRETE SHALL BE SIMULTANEOUSLY PLACED WITH SLAB CONCRETE

REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
REVISIONS	DATE	DESIGNED	CHECKED	REVIEWED	SUBMITTED	
B	1AUG'84	ZK AD	KX KM			
A	15FEB'84	ZK AD	KX KM			
VIADUCT V129 GENERAL VIEW (SHEET 2 OF 2)						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE: 1:100		DRAWING NO: CS-257				



NOTES:
 1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
 2. REFERENCE DRAWING FOR GENERAL VIEW: CS - 256, CS - 257.

REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR CENGLARENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
REVISION	DATE	DESIGNED	DRAWN	CHECKED	SUBMITTED
B	1 AUG 84	TK	DO	KR	UM
A	15 FEB 84	TK	DO	KR	UM
VIADUCT VI29 BAR ARRANGEMENT (SHEET 4 OF 14)					
PACKAGE: I CIVIL AND ARCHITECTURAL WORK					
SCALE: 1:50		DRAWING NO.: CS-261			



NOTES:
 1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
 2. REFERENCE DRAWING FOR GENERAL VIEW: CS - 256, CS - 257.

REPUBLIC OF INDONESIA
 MINISTRY OF COMMUNICATIONS
 DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT

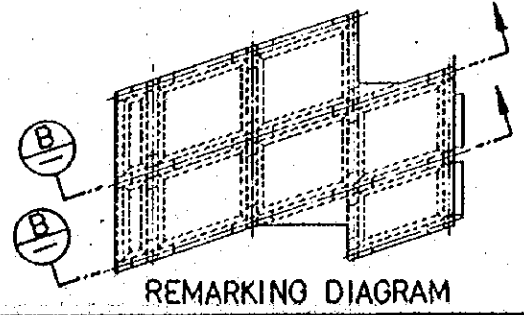
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)

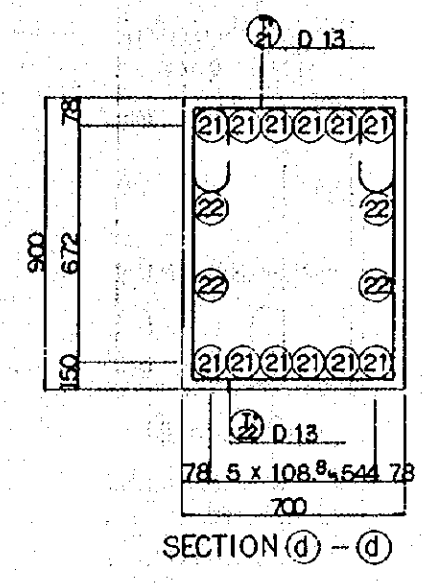
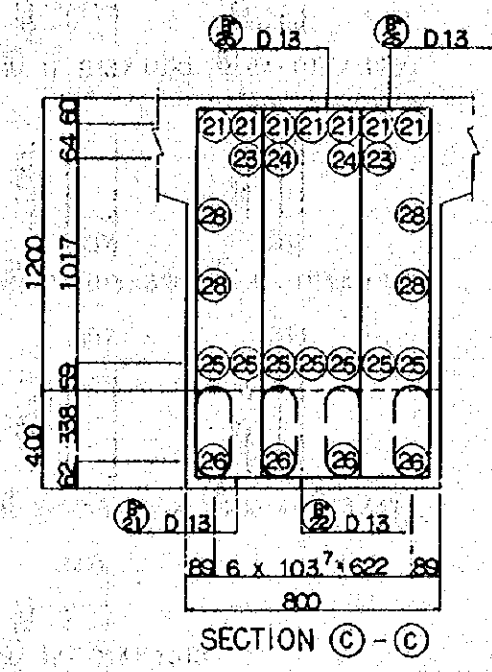
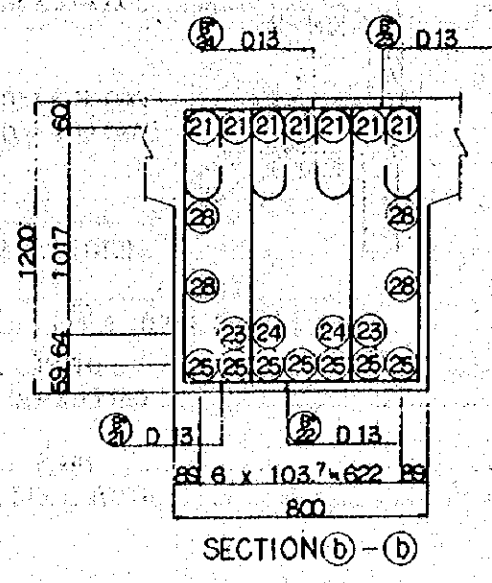
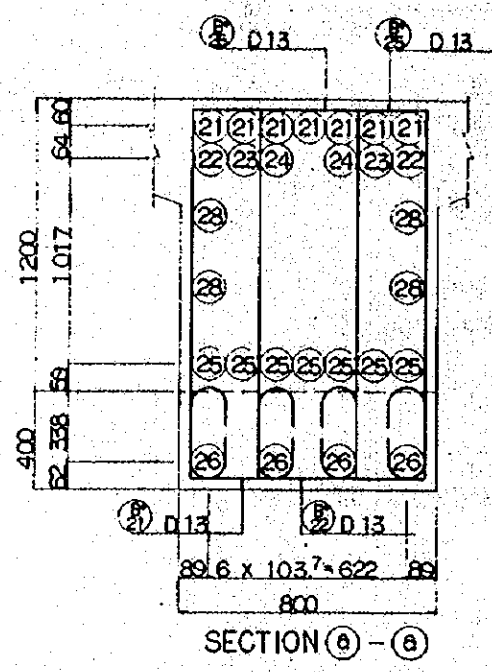
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
B	1AUG/84	T.K.A.O.	K.K.	K.M.	M.K.	
A	15FEB/84	T.K.A.O.	K.K.	K.M.	M.K.	

VIADUCT VI29
 BAR ARRANGEMENT
 (SHEET 5 OF 14)

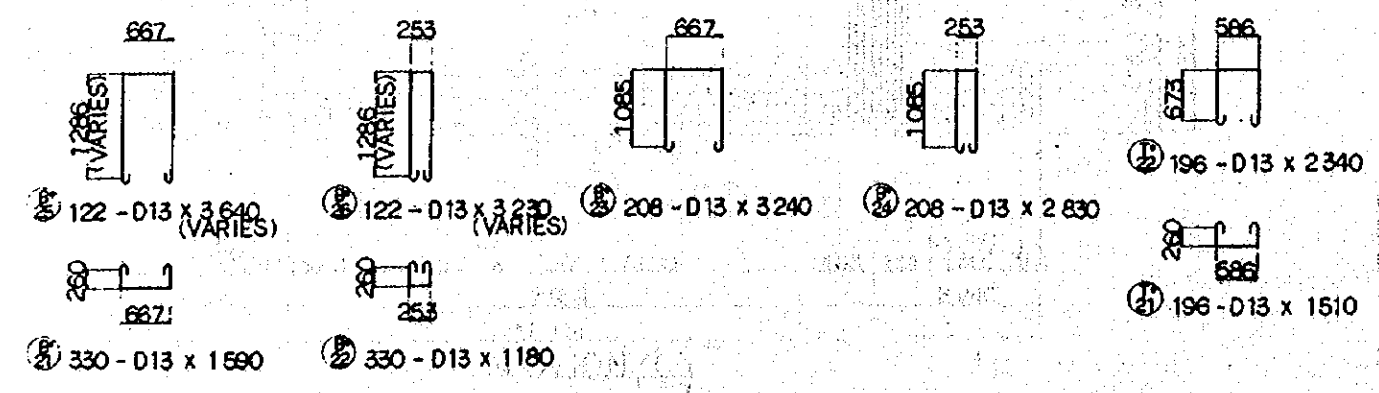
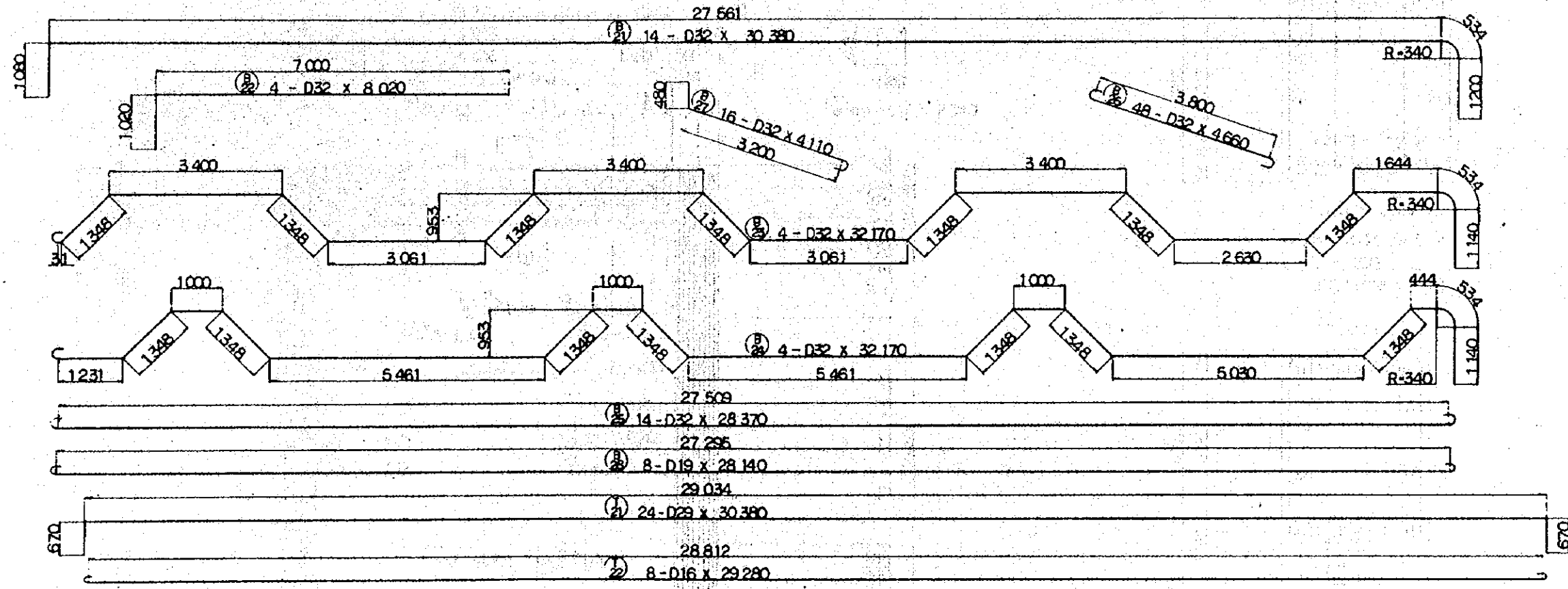
PACKAGE: I CIVIL AND ARCHITECTURAL WORK
 SCALE: 1:50
 DRAWING NO: CS-262

SECTION B

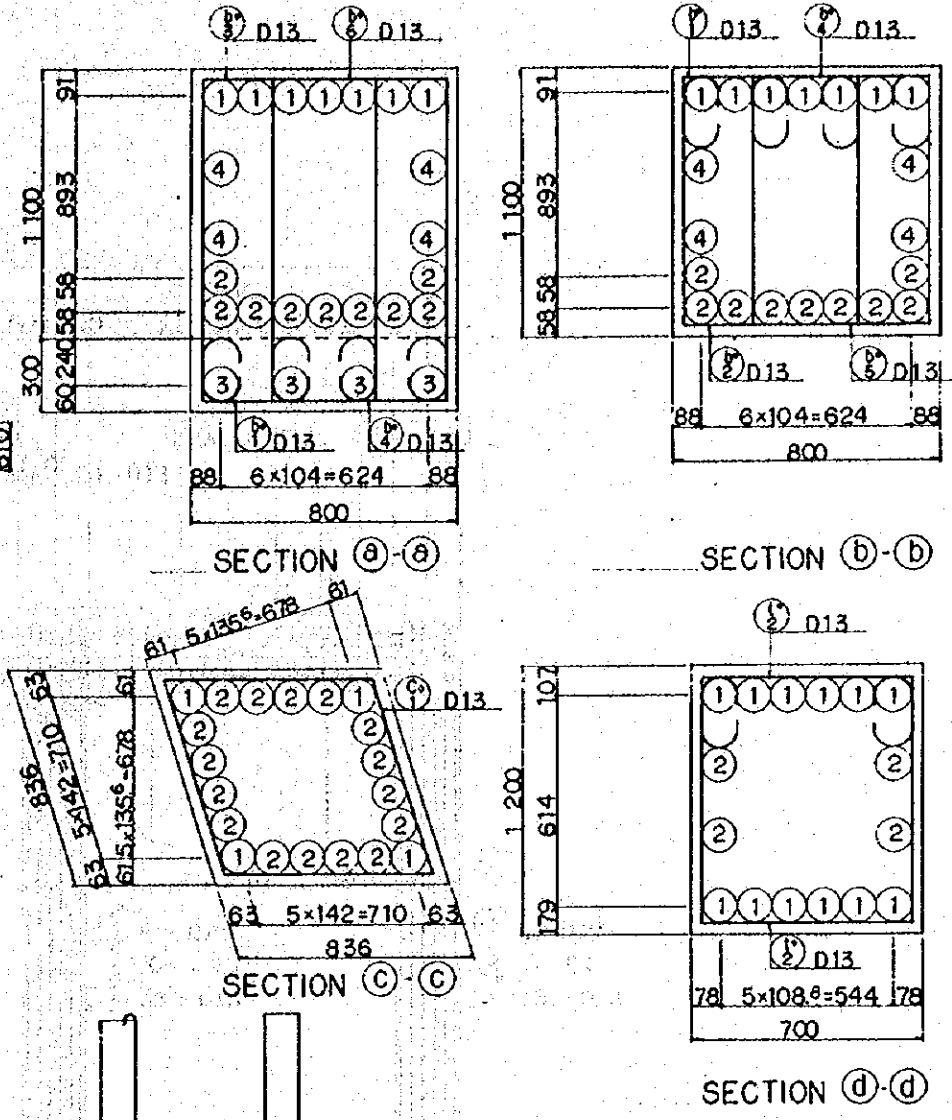
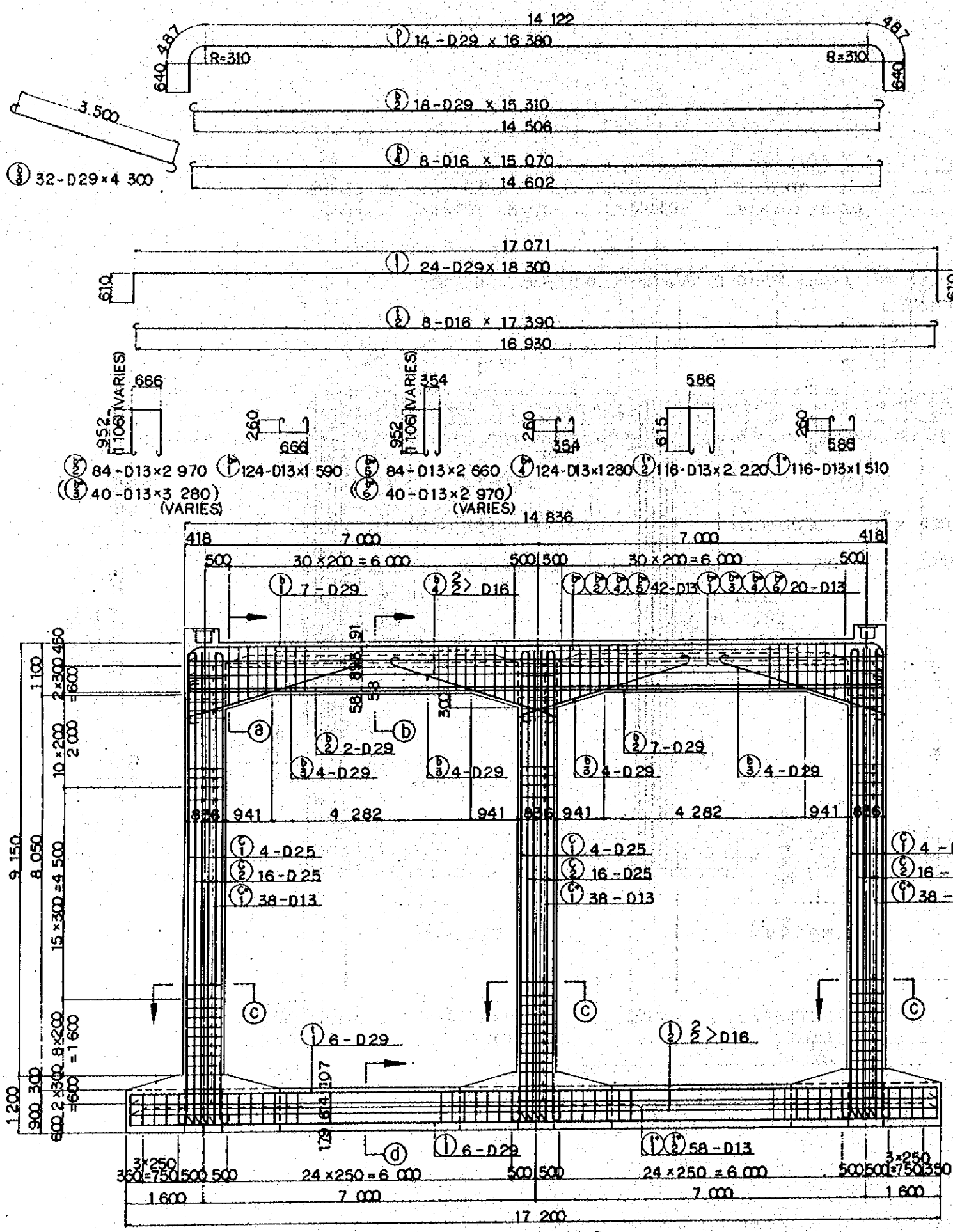




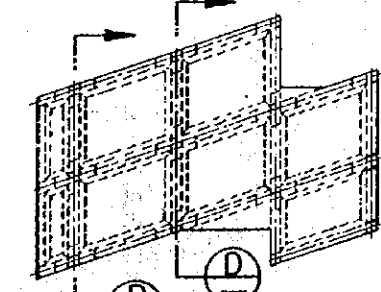
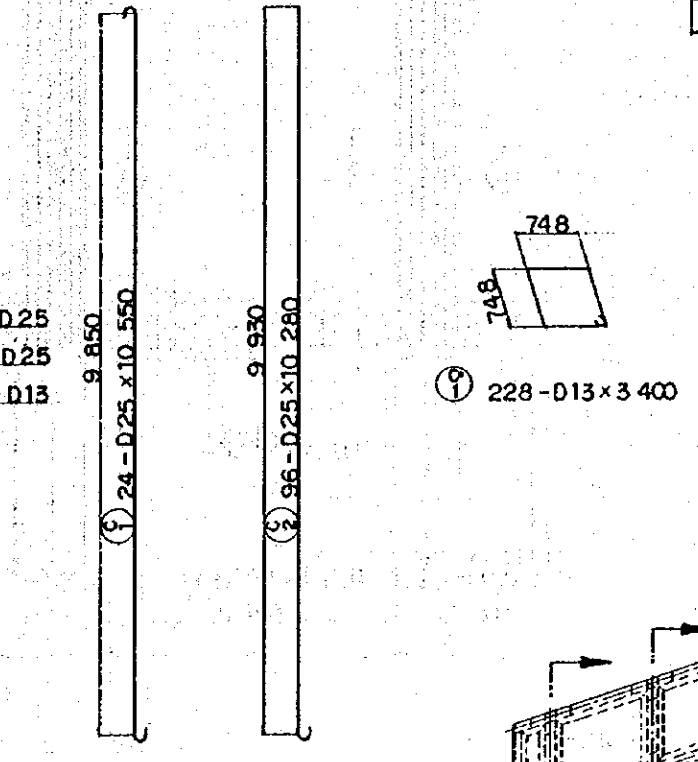
NOTES:
 1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
 2. REFERENCE DRAWING FOR BAR ARRANGEMENT : CS - 257.



REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1AUG/84	TK	AD	KR	UM	AK
A	15FEB/84	TK	AD	KR	UM	AK
REVISIONS	DATE	DESIGNED	CHECKED	REVISED	SUBMITTED	
VIADUCT V129 BAR ARRANGEMENT (SHEET 6 OF 14)						
PROGRAM: I CIVIL AND ARCHITECTURAL WORK						
SCALE	DRAWING NO.					
1:50	CS-263					

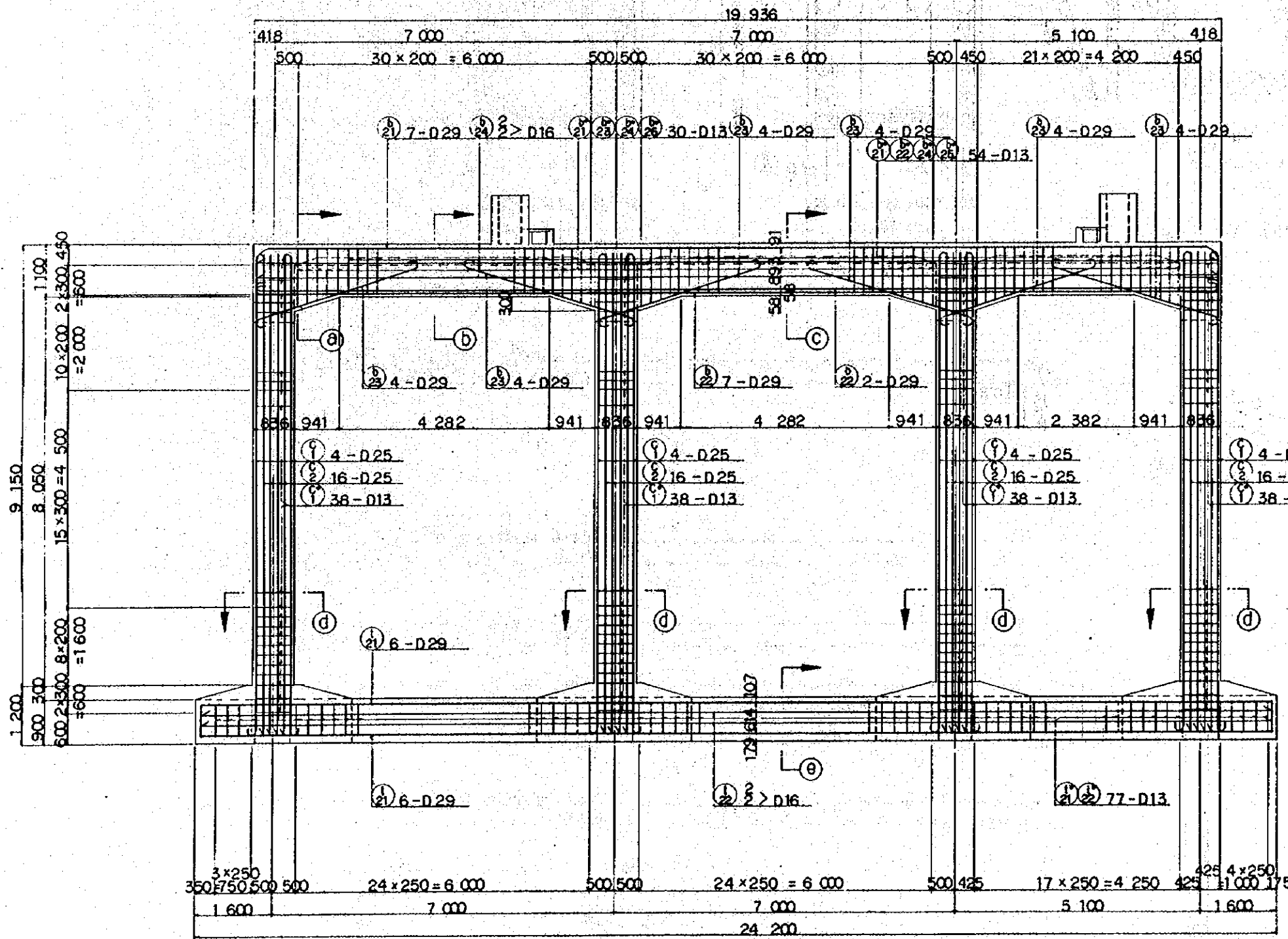


NOTES:
 1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
 2. REFERENCE DRAWING FOR GENERAL VIEW : CS - 256, CS - 257.

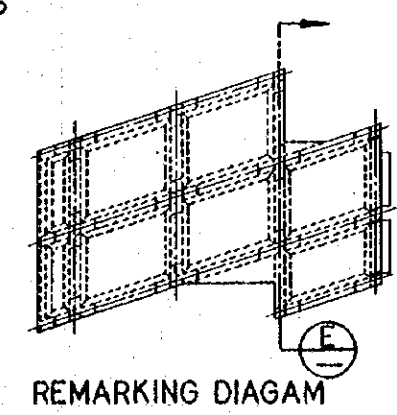


REMARKING DIAGRAM

REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
REVISORS	DATE	REASON	DRAWN	CHECKED	REVIEWED
B	1AUG'84	TK	AO	KA	KM
A	15FEB'84	TK	AO	KA	KM
VIADUCT VI29 BAR ARRANGEMENT (SHEET 8 OF 14)					
PACKAGE: I CIVIL AND ARCHITECTURAL WORK					
SCALE	DRAWING NO.				
1:50	CS-265				

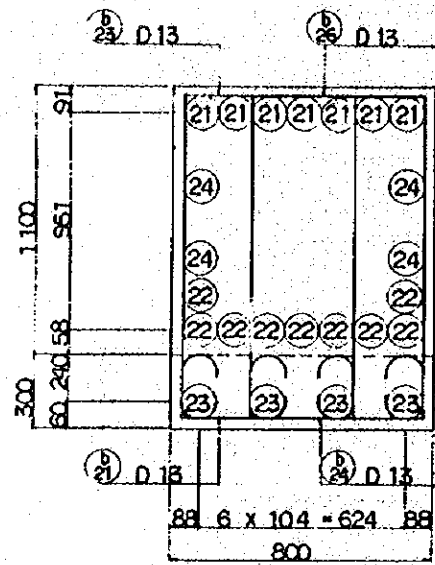


SECTION E

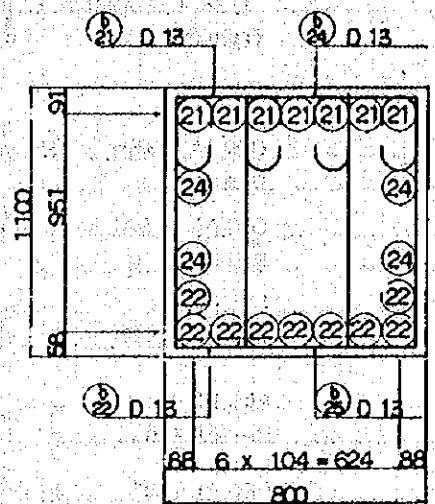


- NOTES:
1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
 2. REFERENCE DRAWING FOR GENERAL VIEW : CS - 256.
CS - 257.
 3. REFERENCE DRAWING FOR BAR ARRANGEMENT : CS - 184.

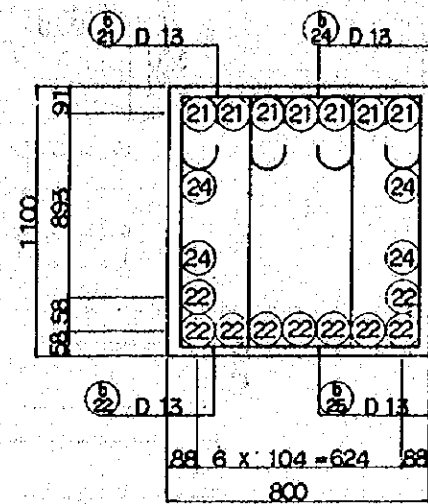
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR CEMKARENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
B	1AUG84	TK	AO	KA	KM
A	15FEB84	TK	AO	KA	KM
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED
VIADUCT VI29 BAR ARRANGEMENT (SHEET 9 OF 14)					
PACKAGE: I CIVIL AND ARCHITECTURAL WORK					
SCALE	DRAWING NO.				
1 : 50	CS-266				



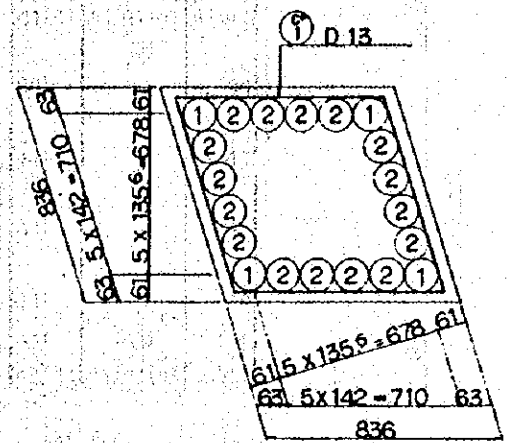
SECTION (a) - (a)



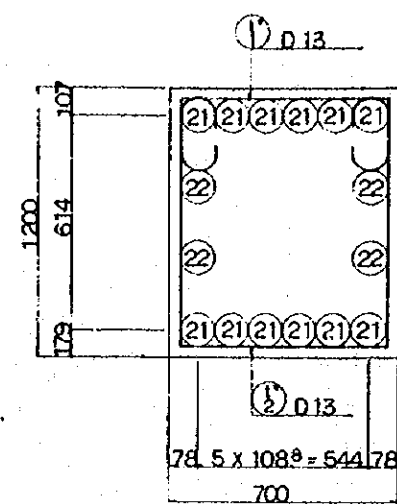
SECTION (b) - (b)



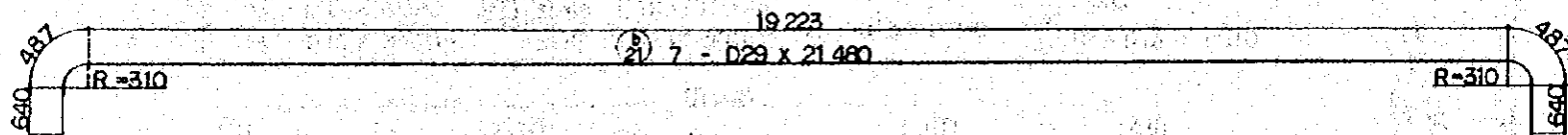
SECTION (c) - (c)



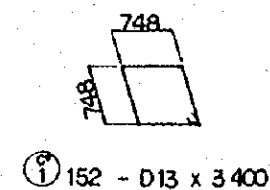
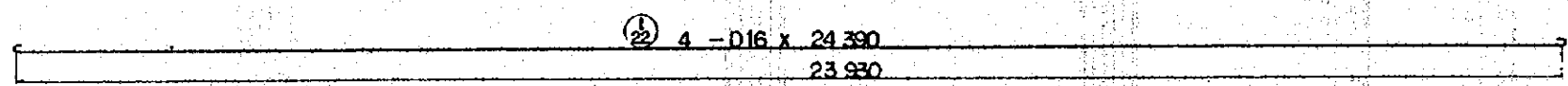
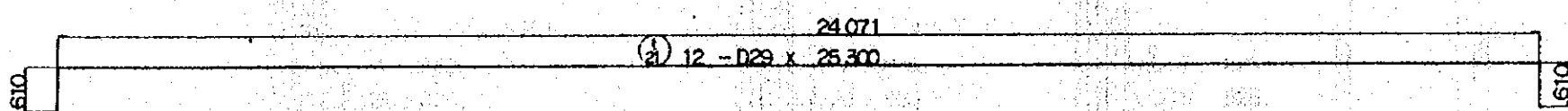
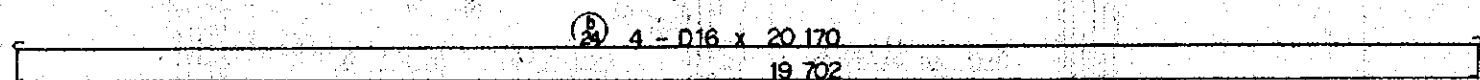
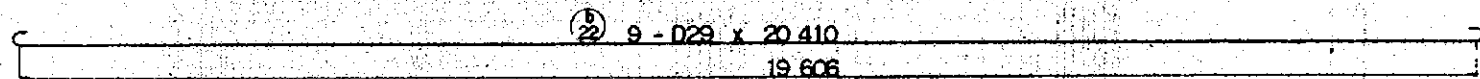
SECTION (d) - (d)



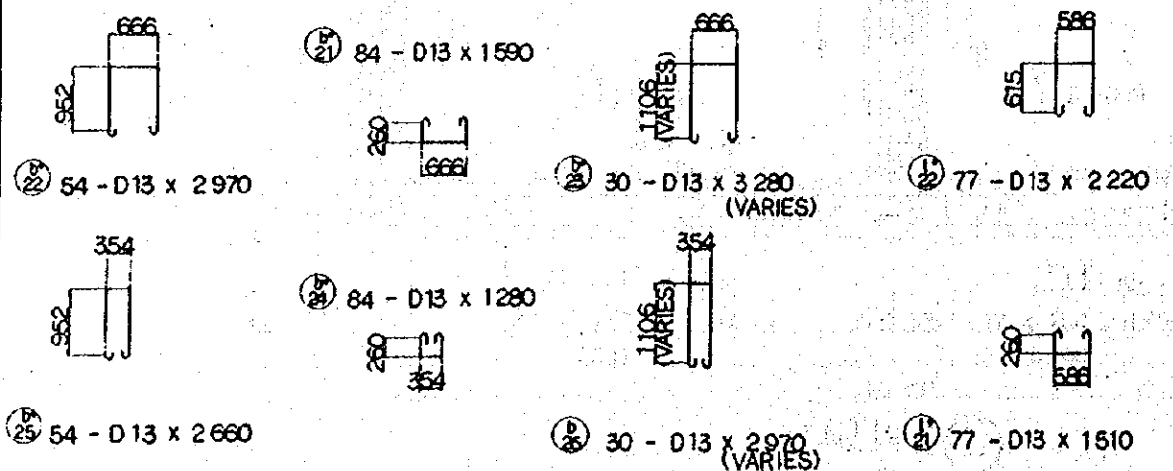
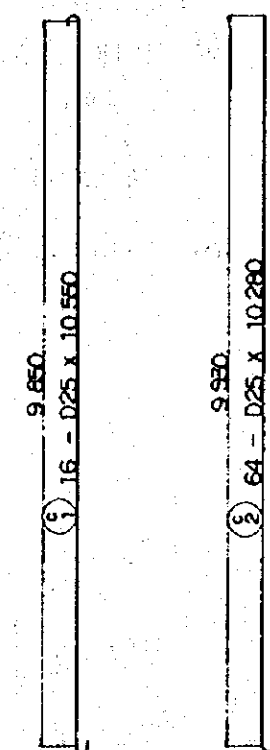
SECTION (e) - (e)



24 - D29 x 4,300

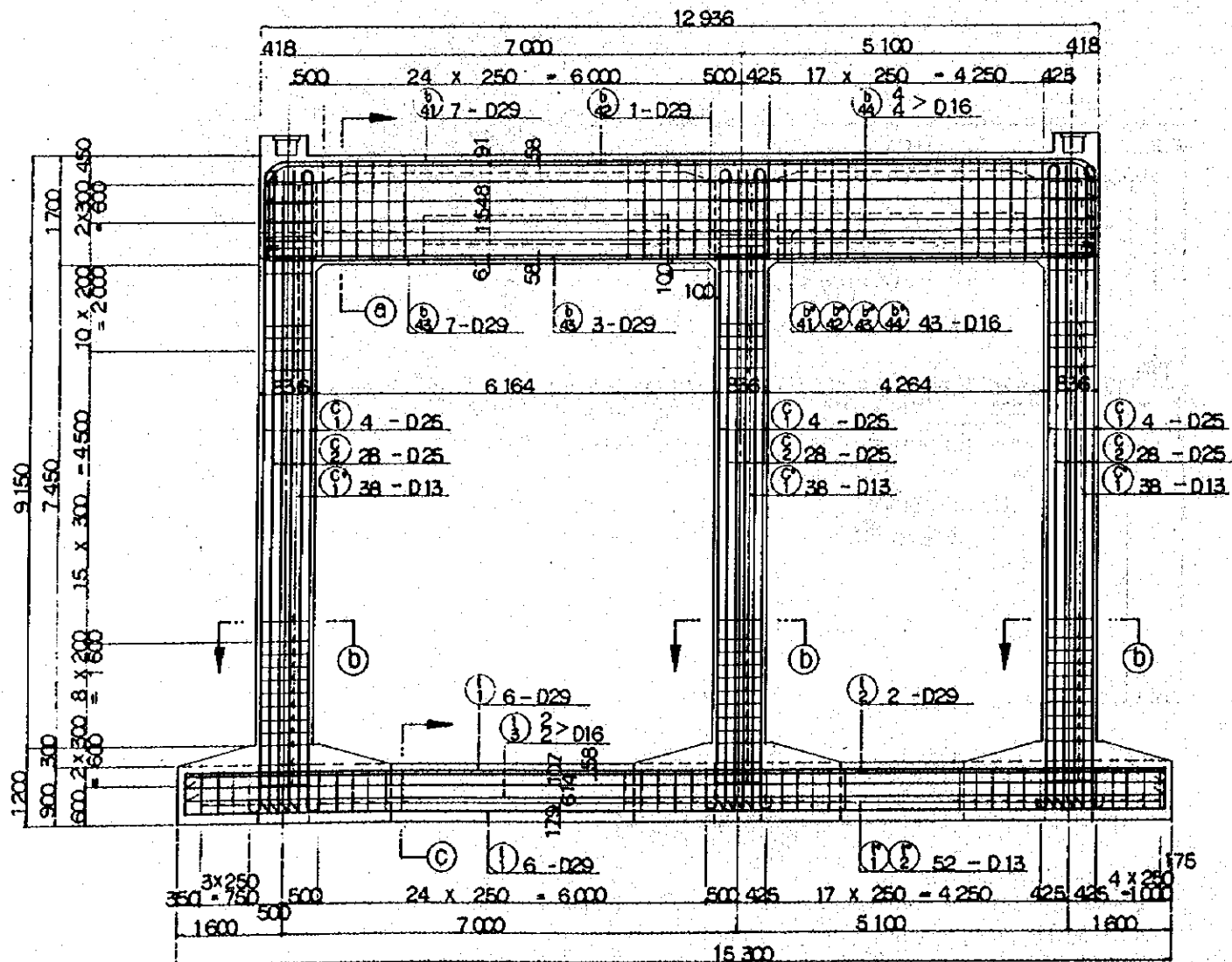
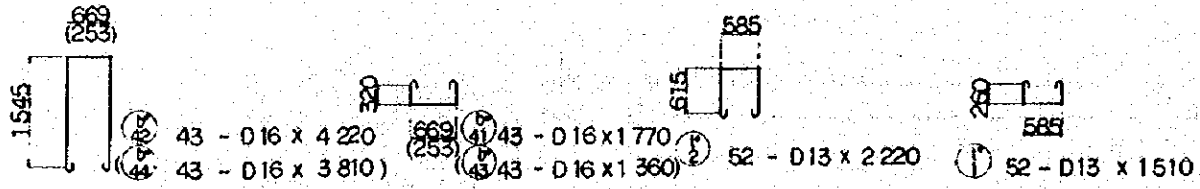
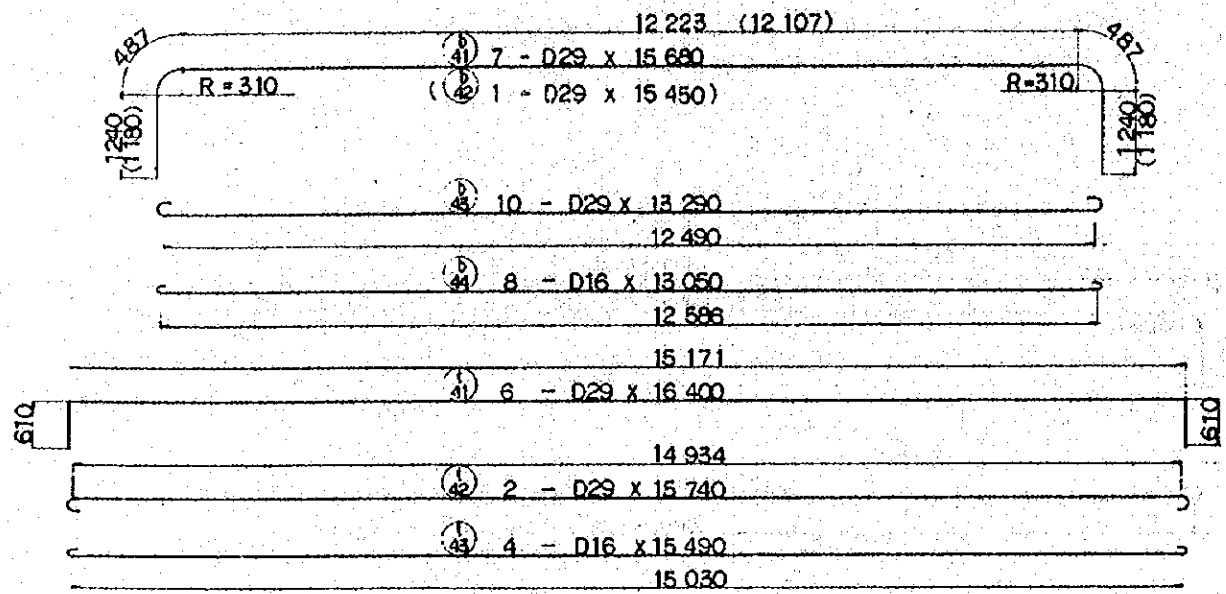


152 - D13 x 3,400

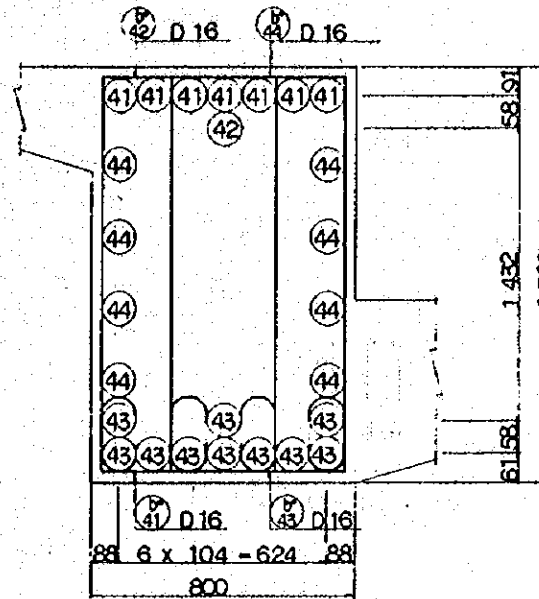


- NOTES:
1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
 2. REFERENCE DRAWING FOR BAR ARRANGEMENT : CS - 266.

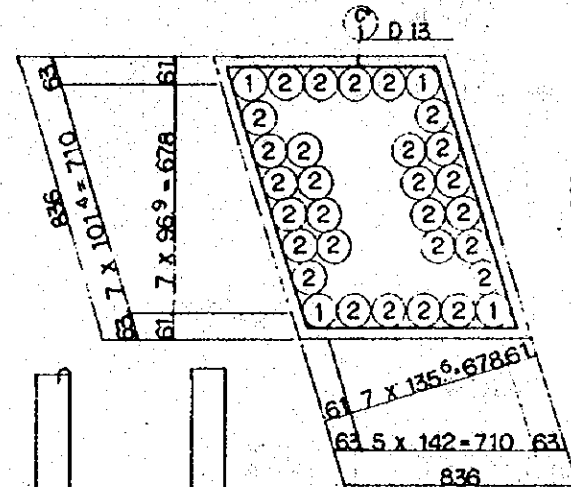
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
B	1 AUG 84	T.K.	A.O.	K.A.	K.M.
A	15 FEB 84	T.K.	A.O.	K.A.	K.M.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED
VIADUCT VI29 BAR ARRANGEMENT (SHEET 10 OF 14)					
PACKAGE : I CIVIL AND ARCHITECTURAL WORK					
SCALE : 1 : 50		DRAWING NO. : CS-267			



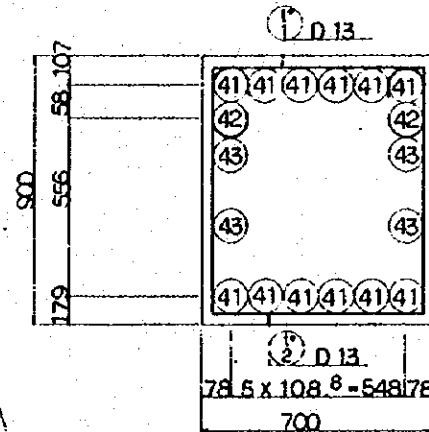
SECTION F-F



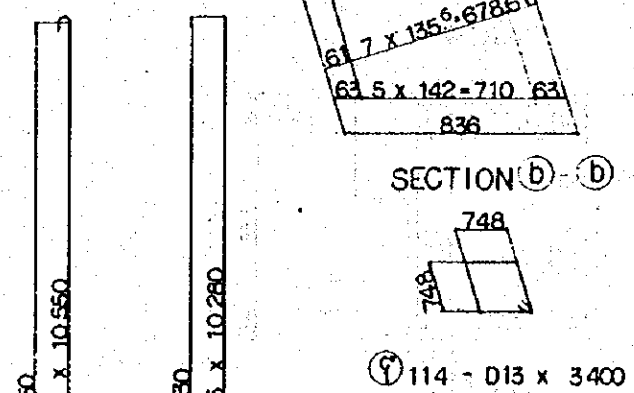
SECTION A-A



SECTION B-B



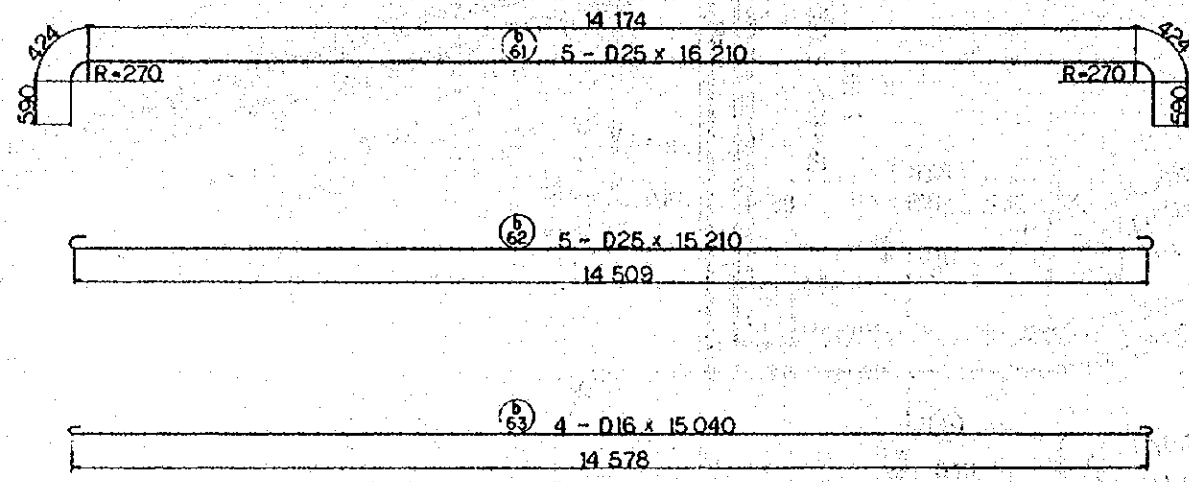
SECTION C-C



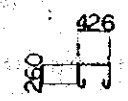
REMARKING DIAGRAM

- NOTES:
 1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
 2. REFERENCE DRAWING FOR GENERAL VIEW : CS - 256. CS - 257.
 3. REFERENCE DRAWING FOR BAR ARRANGEMENT CS - 156.

REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
B	1 AUG. 84	T.K.	A.O.	K.A.	K.M.
A	15 FEB. 84	T.K.	A.O.	K.A.	K.M.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED
VIADUCT VI29 BAR ARRANGEMENT (SHEET II OF 14)					
PACKAGE: I CIVIL AND ARCHITECTURAL WORK					
SCALE: 1:50		DRAWING NO: CS-268			

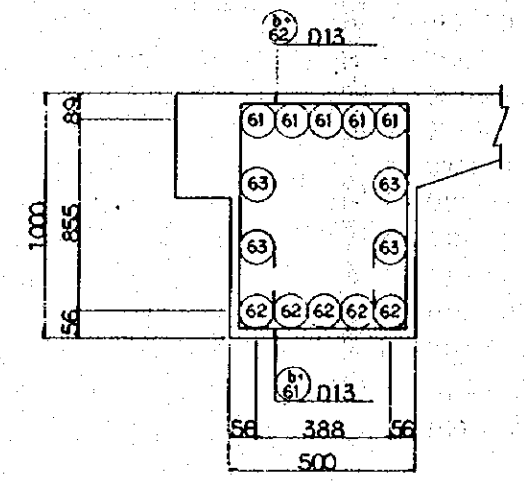
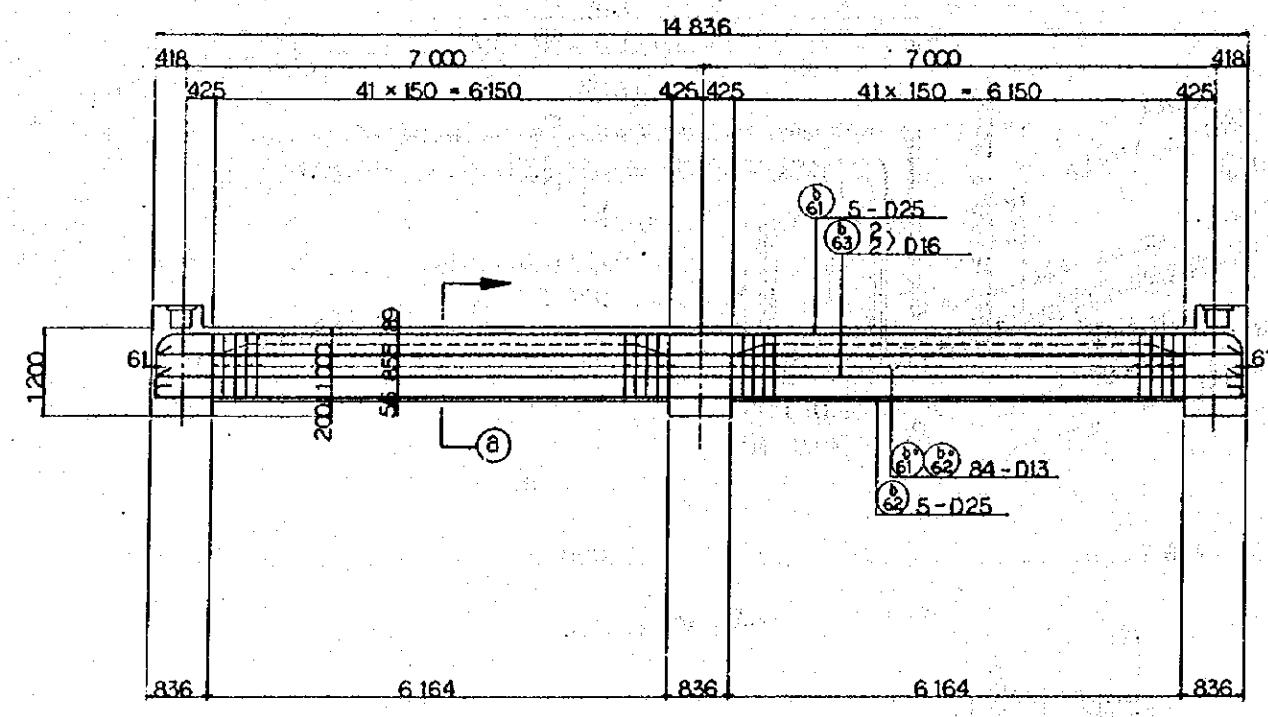


84 - D13 x 2530



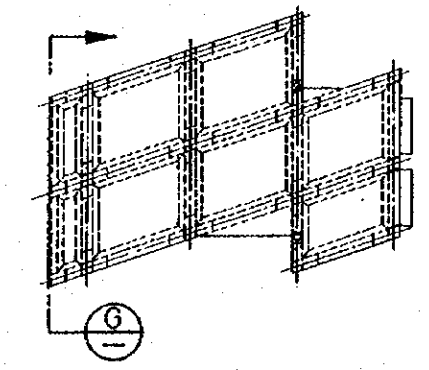
84 - D13 x 890

NOTES:
 1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
 2. REFERENCE DRAWING FOR GENERAL VIEW : CS - 256, CS - 257.



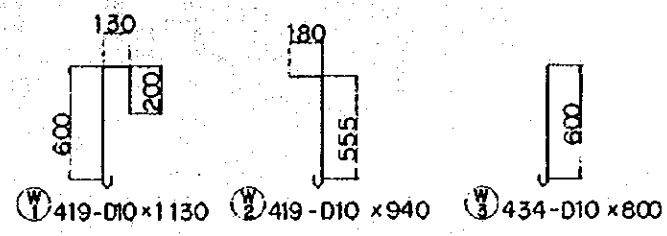
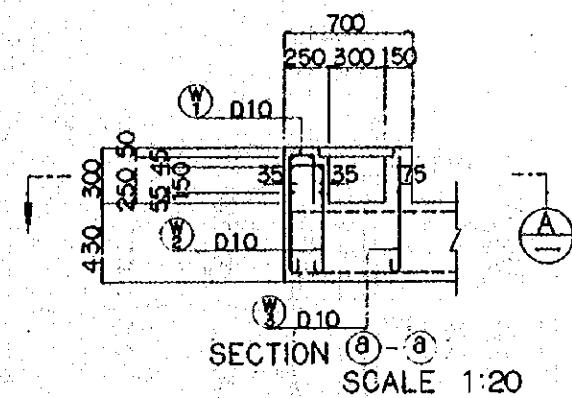
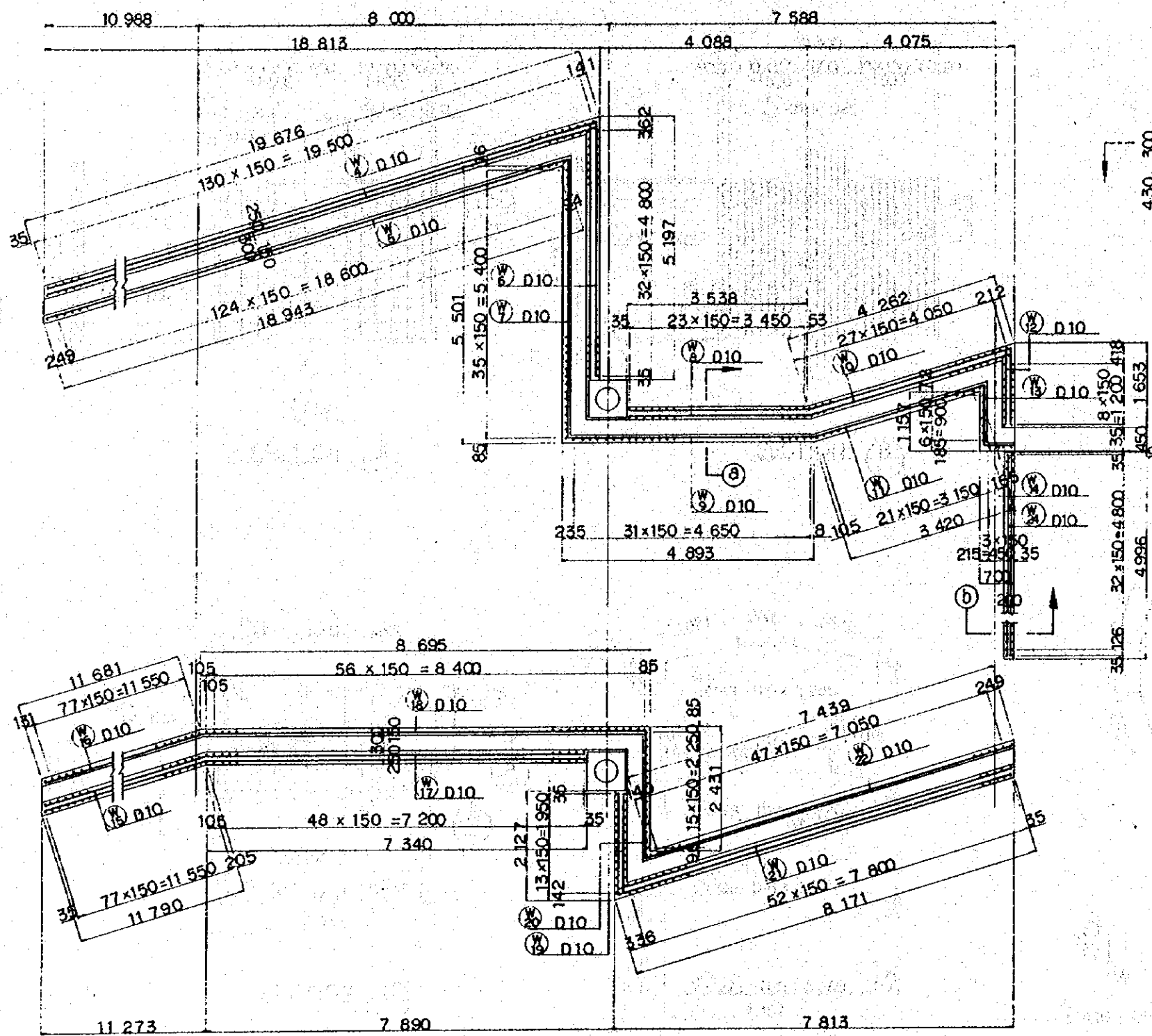
SECTION a-a

SECTION G-G



REMARKING DIAGRAM

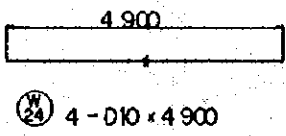
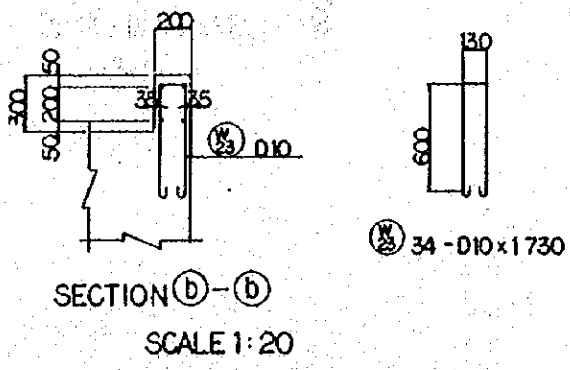
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
B	1 AUG 84	T.K.	A.O.	K.A.	K.M.
A	15 FEB 84	T.K.	A.O.	K.A.	K.M.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	SUBMITTED
VIADUCT VI29 BAR ARRANGEMENT (SHEET 12 OF 14)					
PACKAGE: I CIVIL AND ARCHITECTURAL WORK					
SCALE: 1:50		DRAWING NO: CS-269			



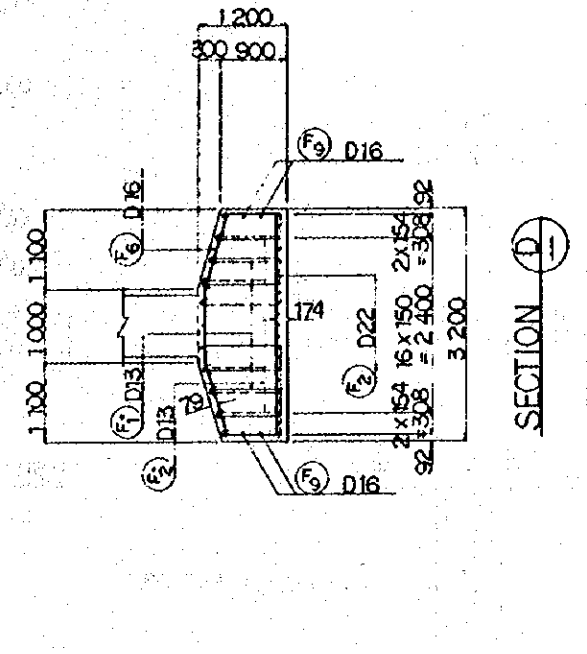
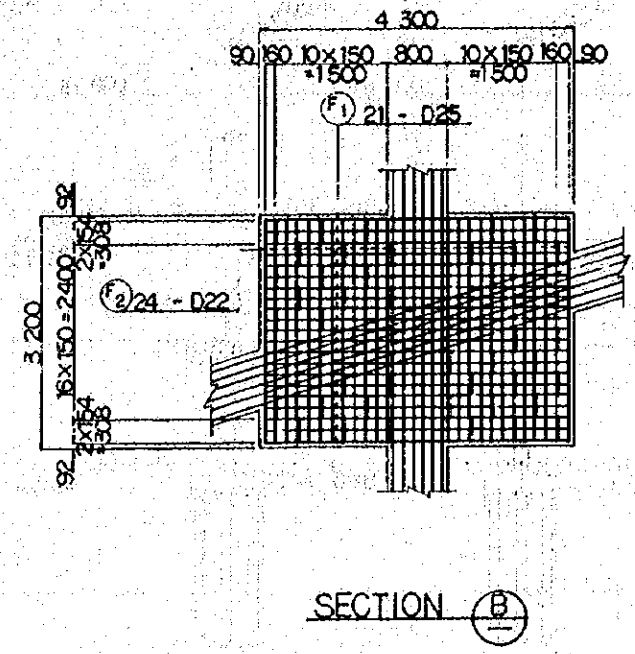
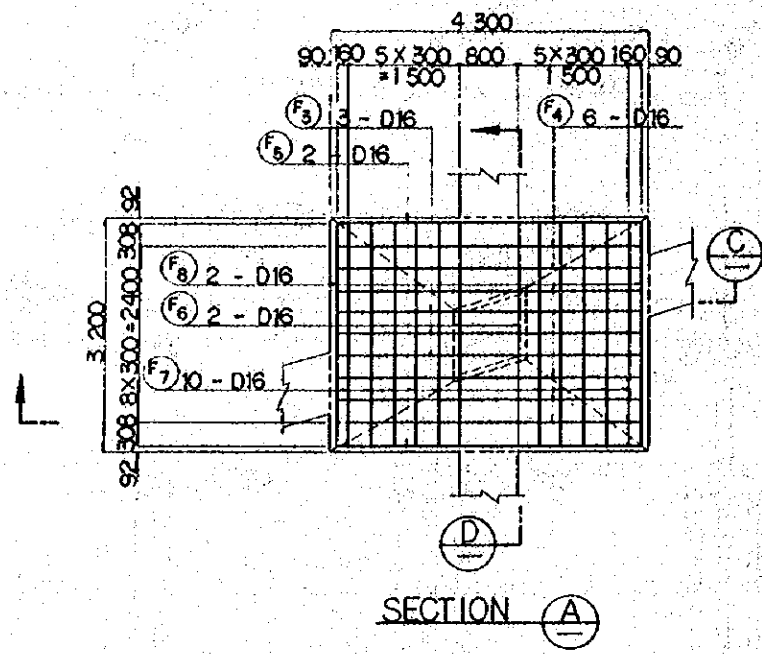
- ① 4-D10 x 19 600
- ② 2-D10 x 19 000
- ③ 4-D10 x 5 200
- ④ 2-D10 x 5 600
- ⑤ 4-D10 x 3 500
- ⑥ 2-D10 x 4 900
- ⑦ 4-D10 x 4 300
- ⑧ 2-D10 x 3 600
- ⑨ 4-D10 x 1 600
- ⑩ 2-D10 x 1 300
- ⑪ 2-D10 x 650
- ⑫ 4-D10 x 11 800
- ⑬ 2-D10 x 11 700
- ⑭ 4-D10 x 7 300
- ⑮ 2-D10 x 8 700
- ⑯ 4-D10 x 2 100
- ⑰ 2-D10 x 2 500
- ⑱ 4-D10 x 8 100
- ⑳ 2-D10 x 7 500

NOTES:
 1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
 2. REFERENCE DRAWING FOR GENERAL VIEW : CS - 256, CS - 257.

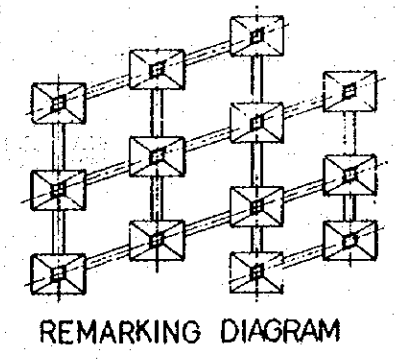
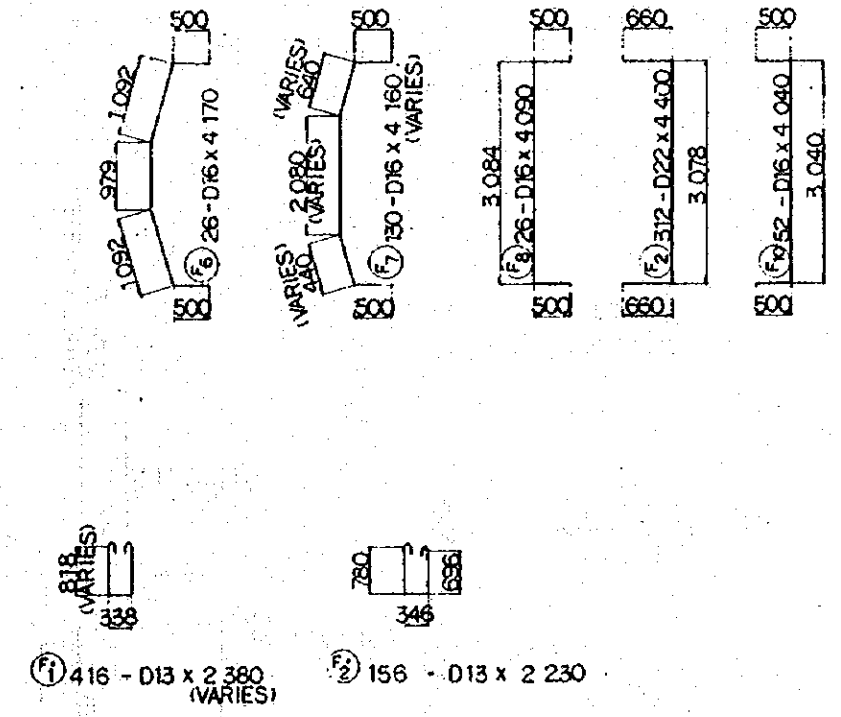
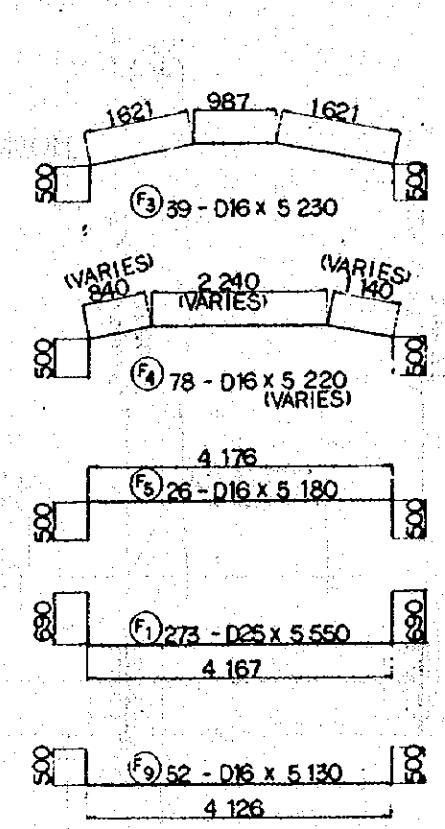
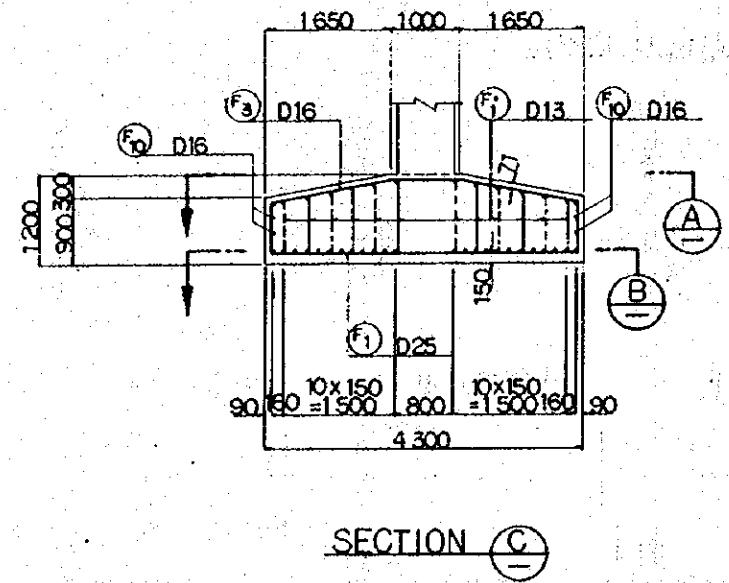
SECTION (A)



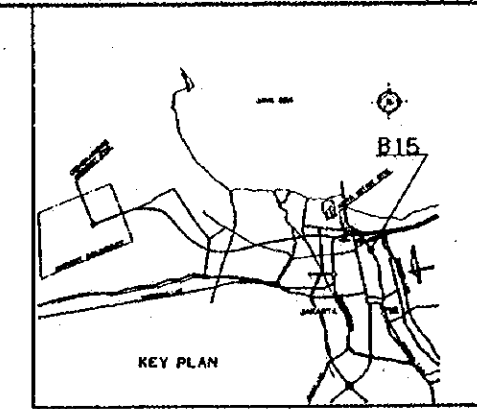
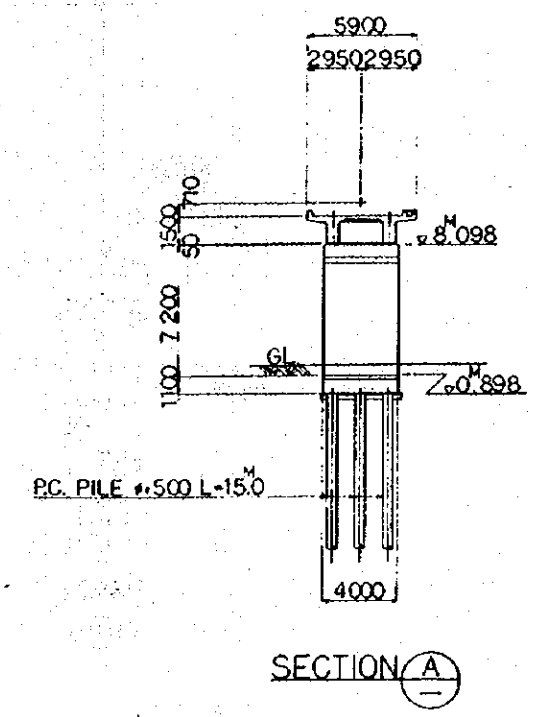
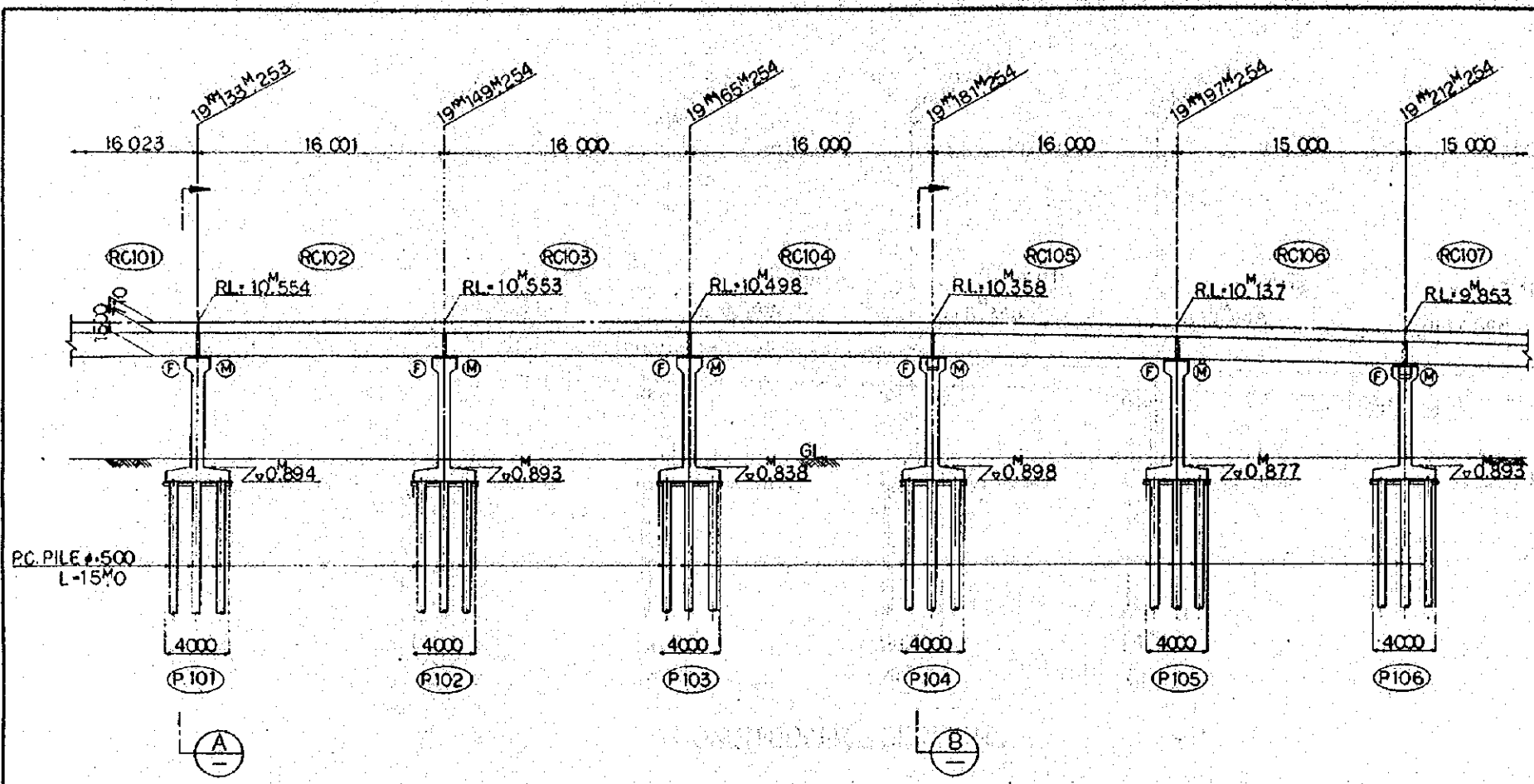
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENSKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1 AUG '84	T.K.	A.O.	K.A.	K.M.	M.K.
A	15 FEB '84	T.K.	A.O.	K.A.	K.M.	M.K.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
VIADUCT V129 BAR ARRANGEMENT (SHEET 13 OF 14)						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE: 1:50		DRAWING NO: CS-270				



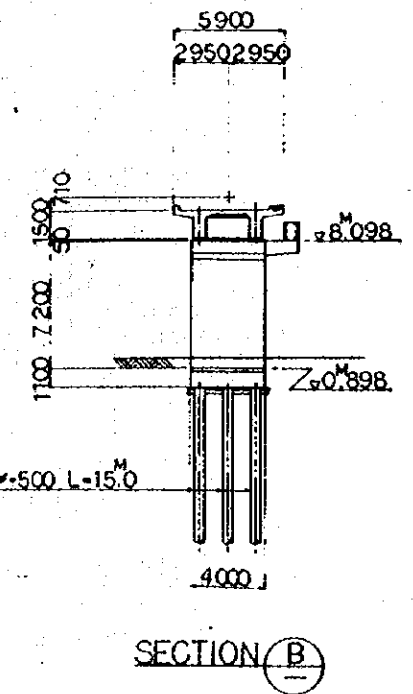
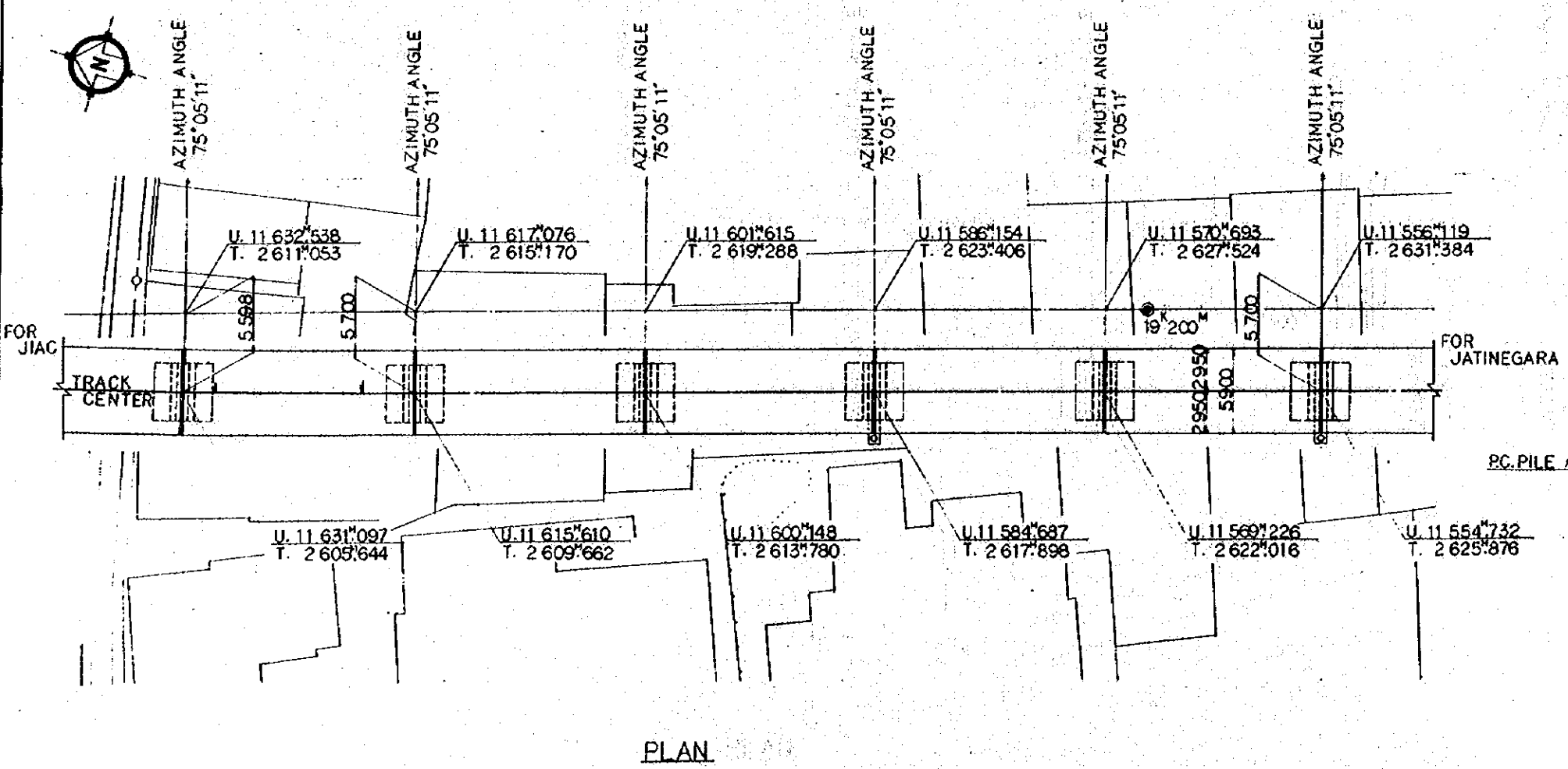
NOTES:
 1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
 2. REFERENCE DRAWING FOR GENERAL VIEW : CS - 256, CS - 257.



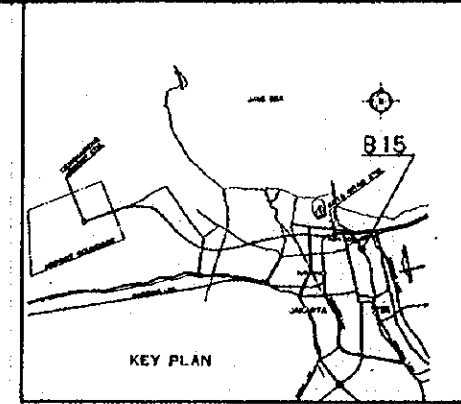
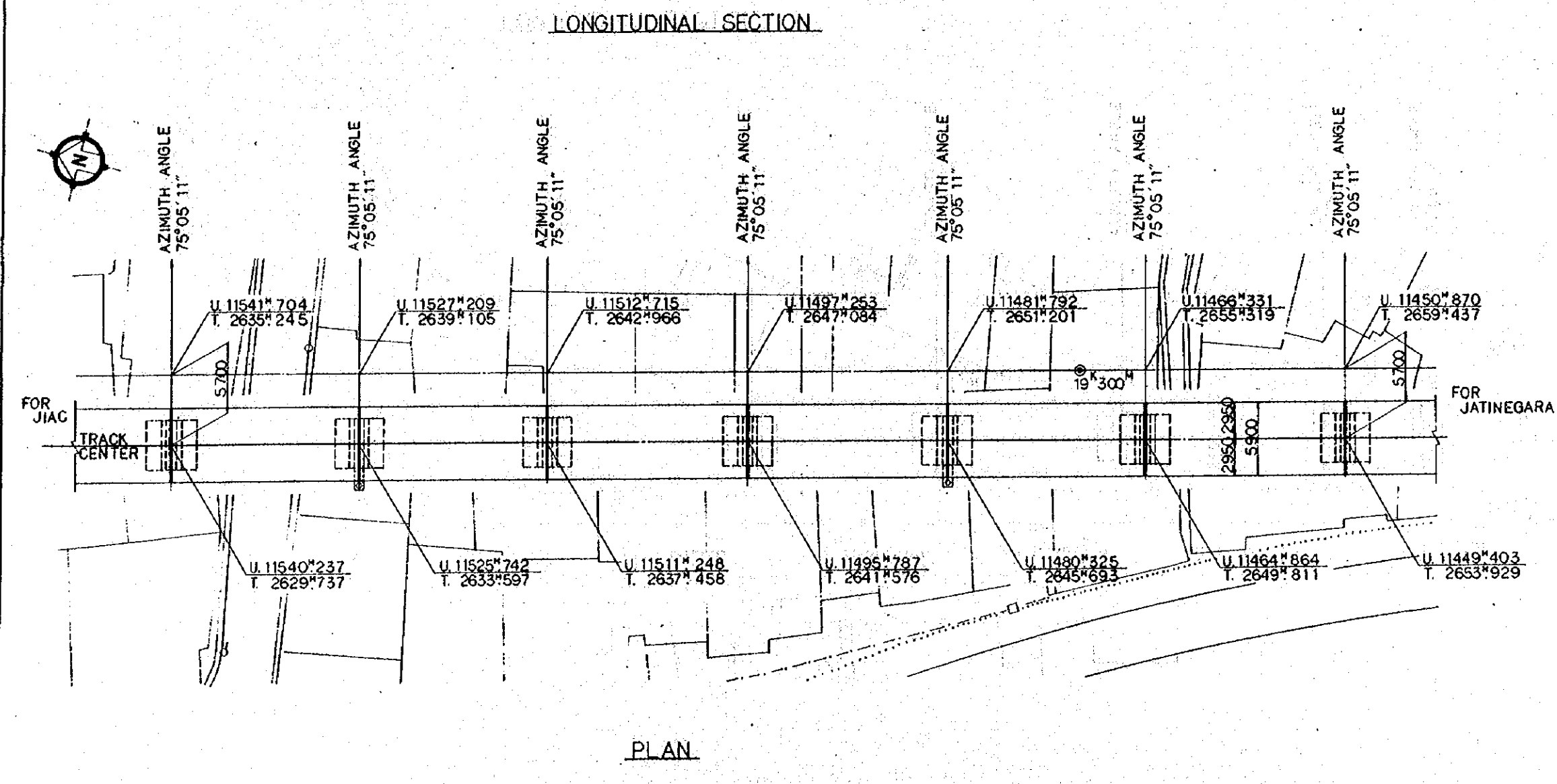
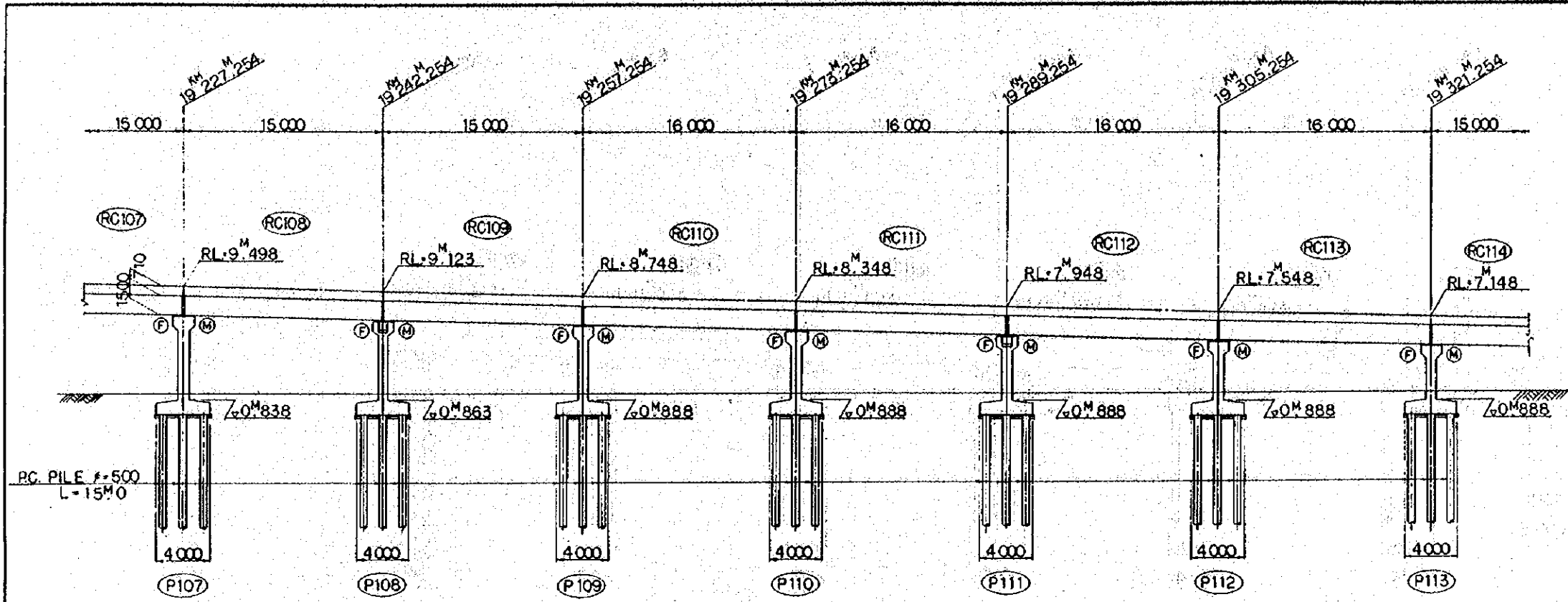
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1 AUG '84	DR	AD	KA	KM	AK
A	1 FEB '84	DR	AD	KA	KM	AK
REVISIONS	DATE	REASON	BY	CHECKED	REVIEWED	SUBMITTED
VIADUCT V129 BAR ARRANGEMENT (SHEET 14 OF 14)						
PACKAGE: 1 CIVIL AND ARCHITECTURAL WORK						
SCALE: 1:50		DRAWING NO: CS-271				



- NOTES:
- ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
 - REFERENCE DRAWING FOR GENERAL VIEW: CS275.CS-276.CS-281.
 - CODE:
 - ⊕---FIXED BEARING
 - ⊗---EXPANSION BEARING

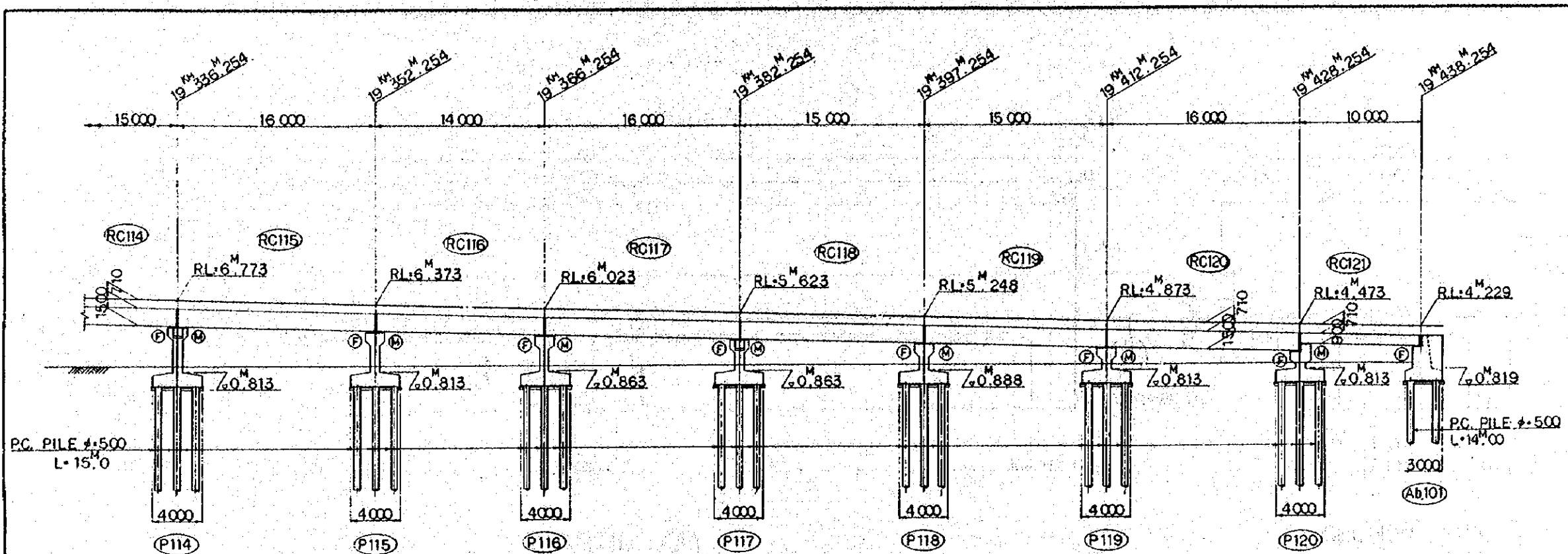


REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
B	1 AUG 84	T.K.	A.O.	K.A.	U.M.
A	15 FEB 84	T.K.	A.O.	K.A.	K.M.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	APPROVED
BRIDGE B15 GENERAL VIEW (SHEET 1 OF 3)					
PACKAGE: I CIVIL AND ARCHITECTURAL WORK					
SCALE: 1:200		DRAWING NO: CS-272			

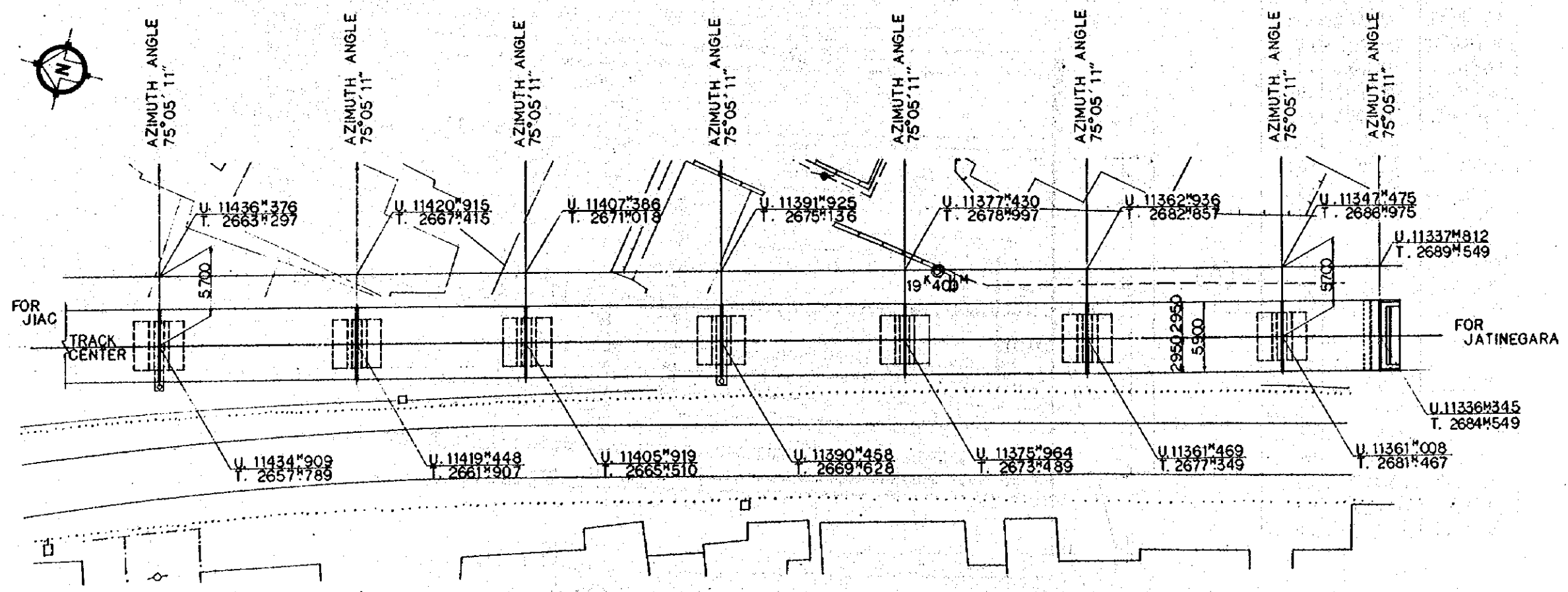


- NOTES:
- ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
 - REFERENCE DRAWING FOR GENERAL VIEW: CS-276, CS-281.
 - CODE:
 - ⊕ --- FIXED BEARING
 - ⊗ --- EXPANSION BEARING

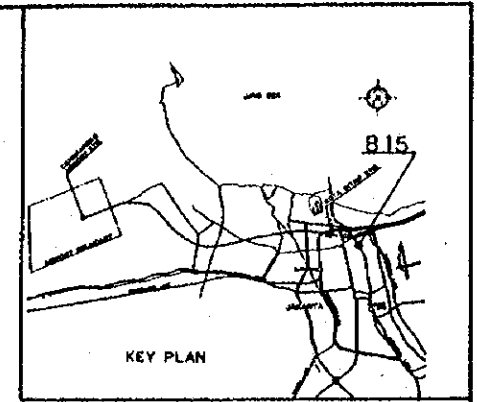
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR CENKARENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
B	1AUG'84	TK	AO	KA	UM
A	1FEB'84	TK	AO	KA	UM
REVISION	DATE	DESIGNED	CHECKED	REVIEWED	SUBMITTED
BRIDGE B15 GENERAL VIEW (SHEET 2 OF 3)					
PACKAGE: 2 CIVIL AND ARCHITECTURAL WORK					
SCALE: 1:200		DRAWING NO: CS-273			



LONGITUDINAL SECTION



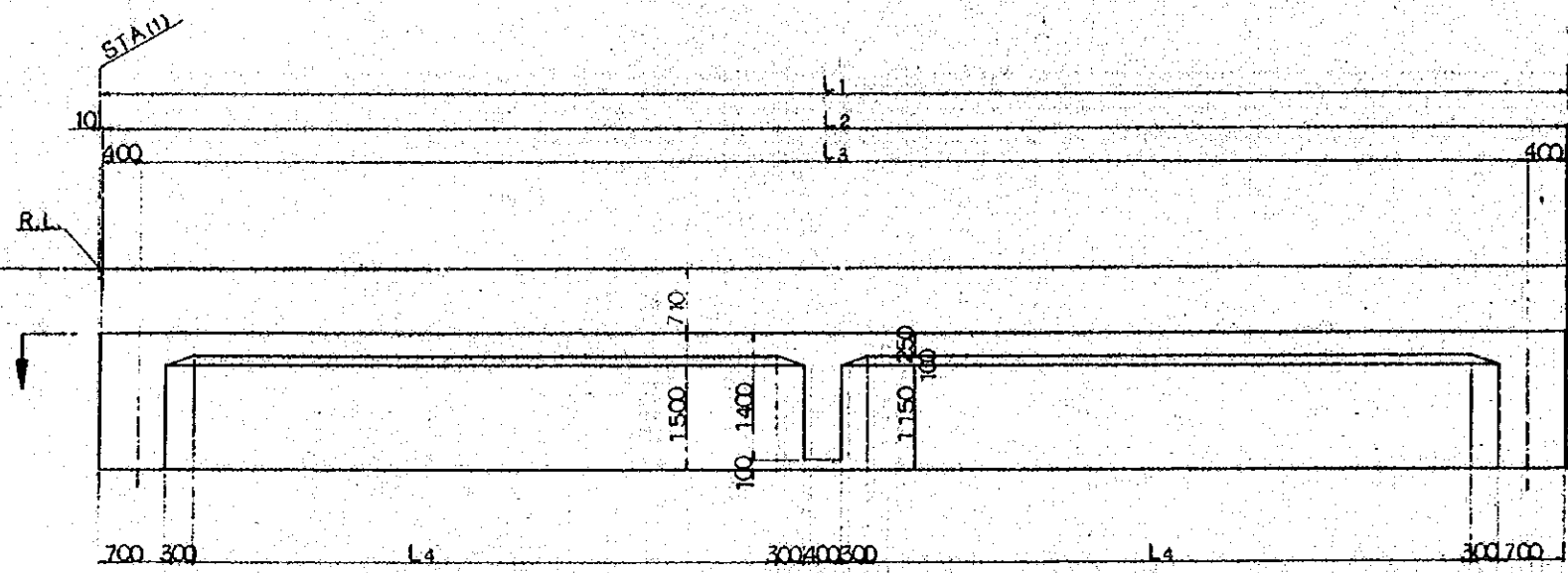
PLAN



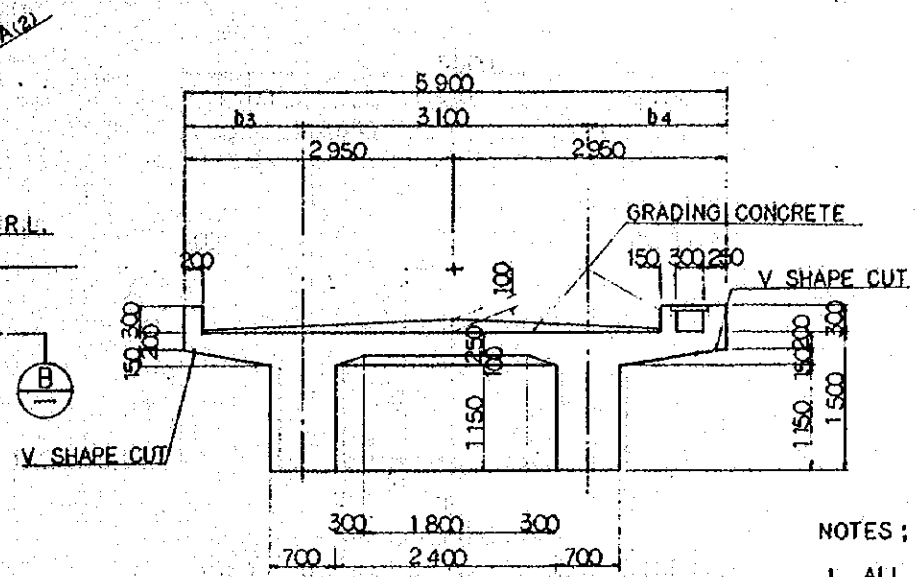
- NOTES:
1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
 2. REFERENCE DRAWING FOR GENERAL VIEW: CS-276, CS-185, CS-281, CS-284.

3. CODE:
- ⊕ --- FIXED BEARING
 - ⊗ --- EXPANSION BEARING

REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
B	1AUG'84	TK	A.O.K.A.	U.M.	-K
A	15FEB'84	TK	A.O.K.A.	U.M.	-K
REVISIONS	DATE	DESIGNED	CHECKED	APPROVED	REVISIONS
BRIDGE B15 GENERAL VIEW (SHEET 3 OF 3)					
PROGRAM: I CIVIL AND ARCHITECTURAL WORK					
SCALE	1:200		PROJECT NO.	CS-274	

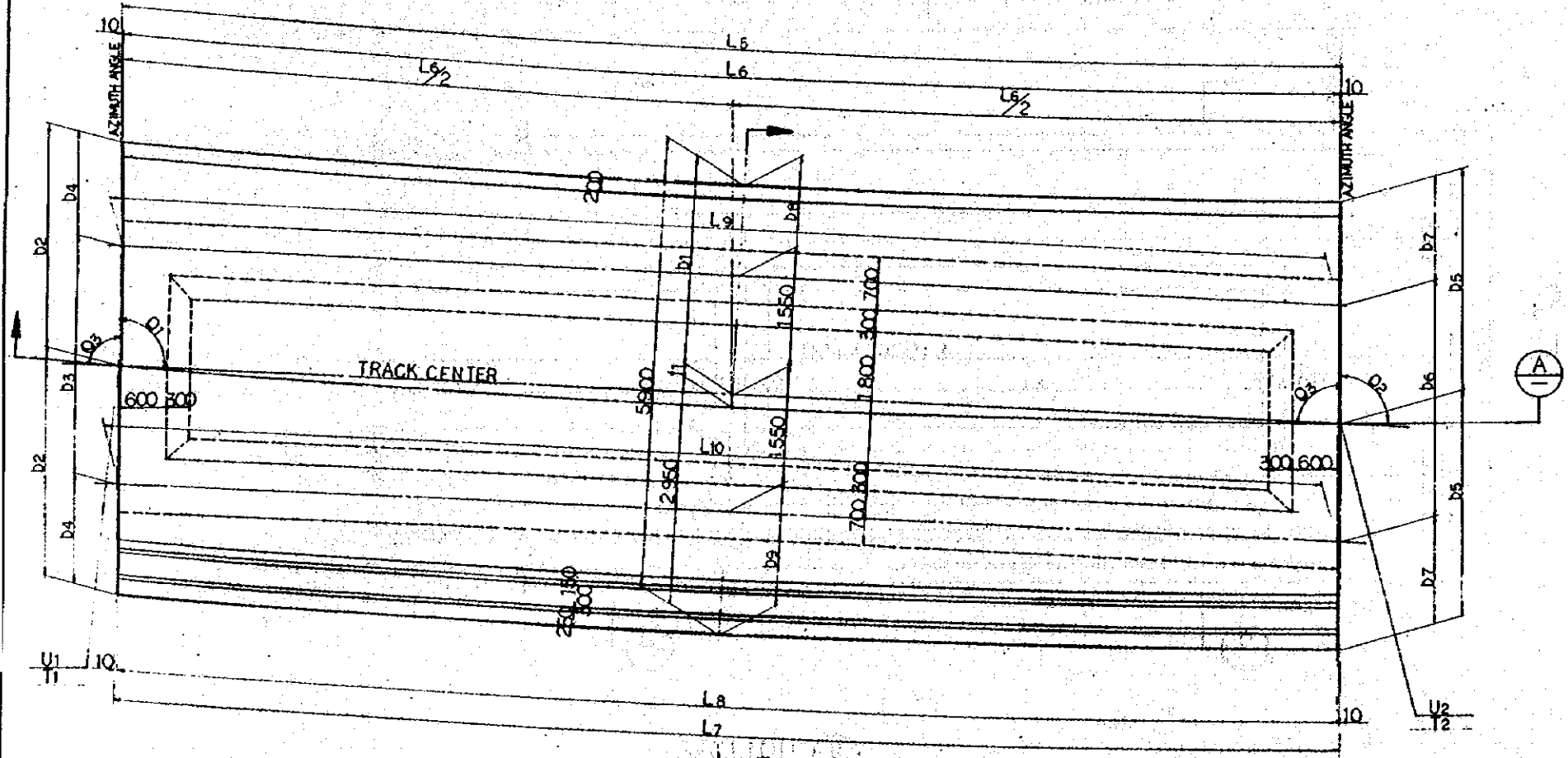


SECTION A



SECTION C

- NOTES :
1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
 2. REFERENCE DRAWING FOR BAR ARRANGEMENT : CS-278 ~ 280.
 3. GRADING CONCRETE SHALL BE SIMULTANEOUSLY PLACED WITH SLAB CONCRETE



SECTION B

	RC 101	RC 102
STA(1)	19°11'23"	19°13'25"
(2)	19°13'25"	19°14'25"
U1	11°64'6"	11°63'09"
T1	2°60'23"	2°60'64"
U2	11°63'09"	11°61'61"
T2	2°60'64"	2°60'66"
L1	16023	16001
L2	16003	15981
L3	15323	15301
L4	14203	14181
f1	107	14
b1	2843	2937
b2	2953	2950
b3	3104	3100
b4	1402	1400
b5	2953	2950
b6	3104	3100
b7	1402	1400
b8	1293	1387
b9	1507	1413
Q1	94°27'09"	91°23'33"
Q2	91°23'33"	90°00'00"
Q3	87°04'38"	89°18'13"

REPUBLIC OF INDONESIA
 MINISTRY OF COMMUNICATIONS
 DIRECTORATE GENERAL OF LAND TRANSPORT
 AND INLAND WATERWAYS

NEW RAILWAY LINE FOR CENKARENG AIRPORT
 CONSTRUCTION PROJECT

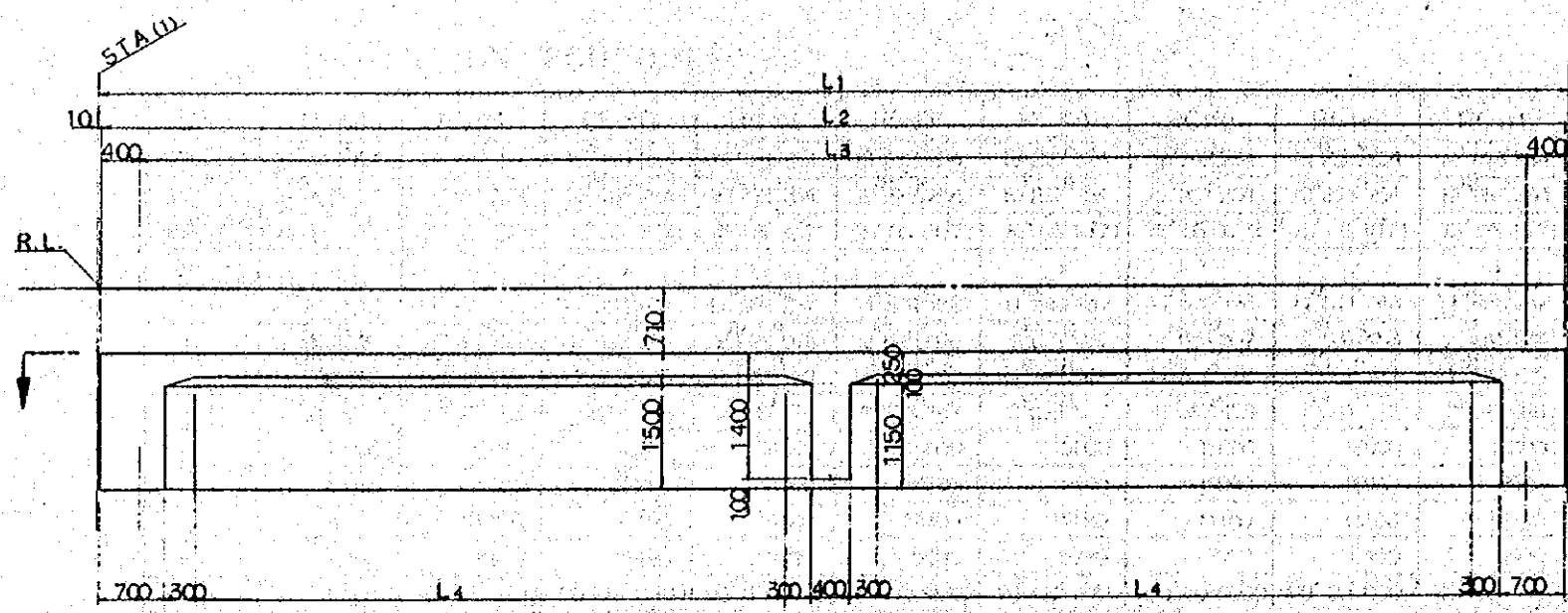
JAPAN INTERNATIONAL COOPERATION AGENCY
 (JICA)

B	1 AUG 84	H.S.	M.Y.	K.A.	K.M.	M.K.
A	17 FEB 84	H.S.	M.Y.	K.A.	K.M.	M.K.

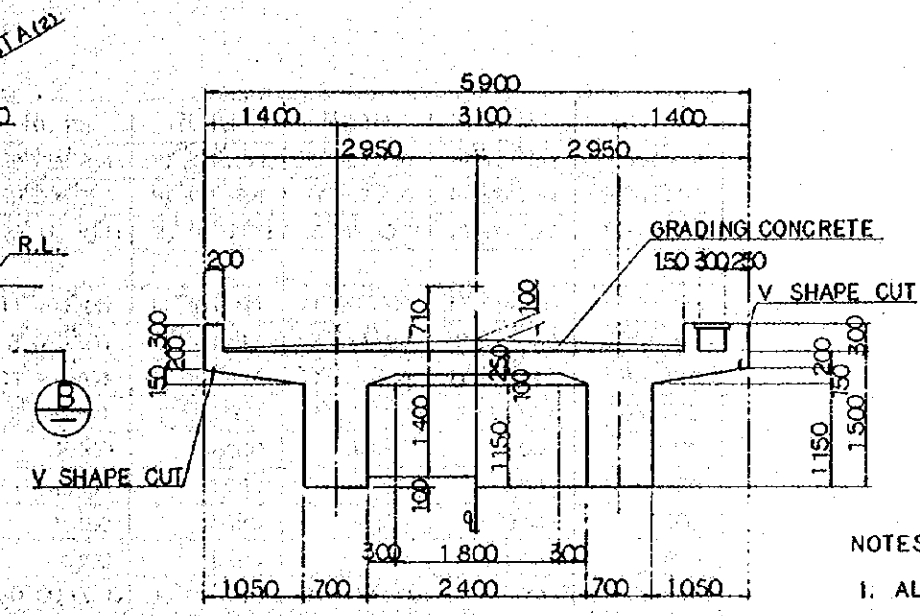
REVISIONS: DATE, DESIGNED, DRAWN, CHECKED, REVISION, SUBMITTED

R.C. GIRDER
 RC101, RC102
 GENERAL VIEW

PACKAGE: I CIVIL AND ARCHITECTURAL WORK
 SCALE: 1:40 DRAWING NO: CS-275

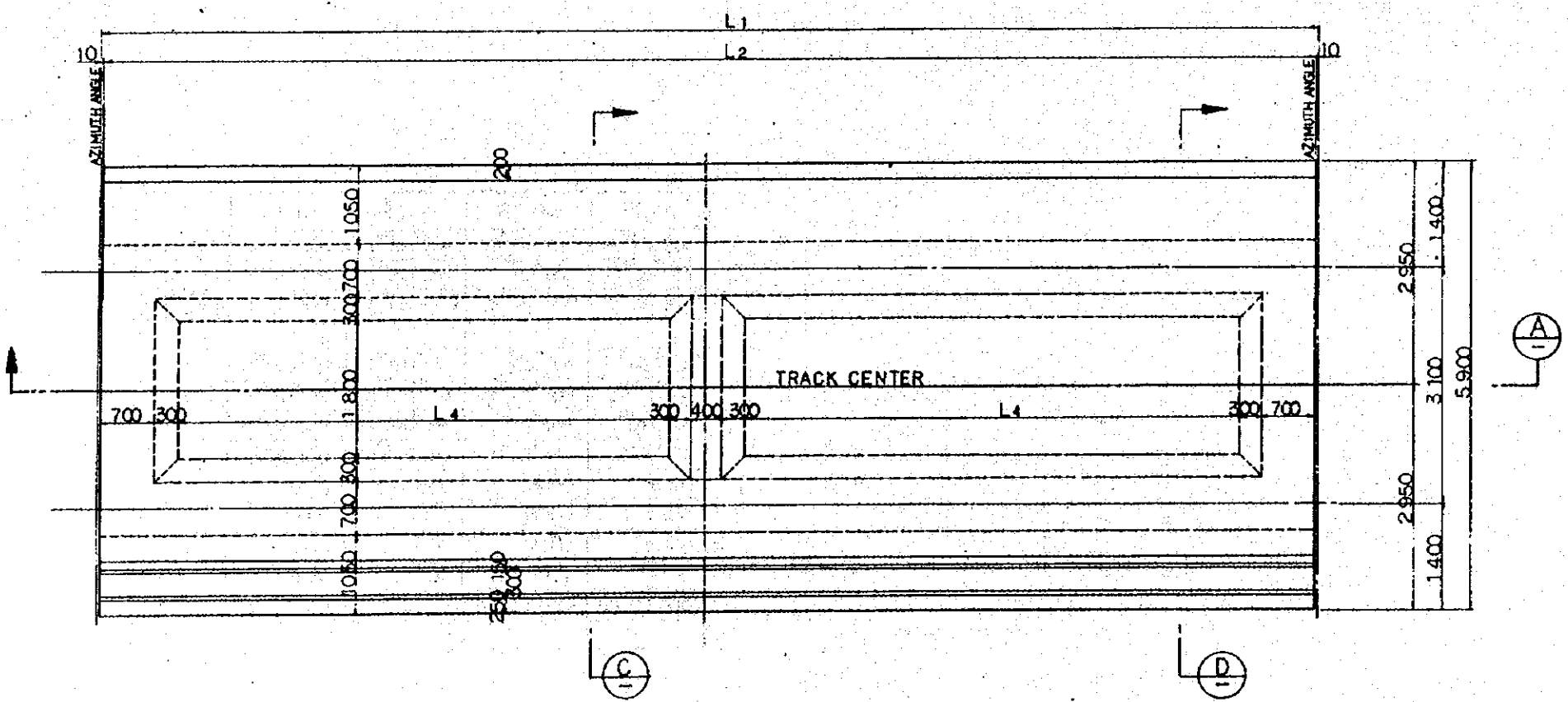


SECTION A



SECTION C SECTION D

- NOTES;
1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
 2. REFERENCE DRAWING FOR BAR ARRANGEMENT: CS-278~280.
 3. GRADING CONCRETE SHALL BE SIMULTANEOUSLY PLACED WITH SLAB CONCRETE



SECTION B

REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1 AUG '84	M.S.	M.Y.	K.A.	K.M.	M.K.
A	12 FEB '84	M.S.	M.Y.	K.A.	K.M.	M.K.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
R.C. GIRDER RC103~RC120 GENERAL VIEW (SHEET 1 OF 2)						
PROGRAM: I CIVIL AND ARCHITECTURAL WORK						
SCALE: 1:40		DRAWING NO: CS-276				

DIMENSION SCHEDULE

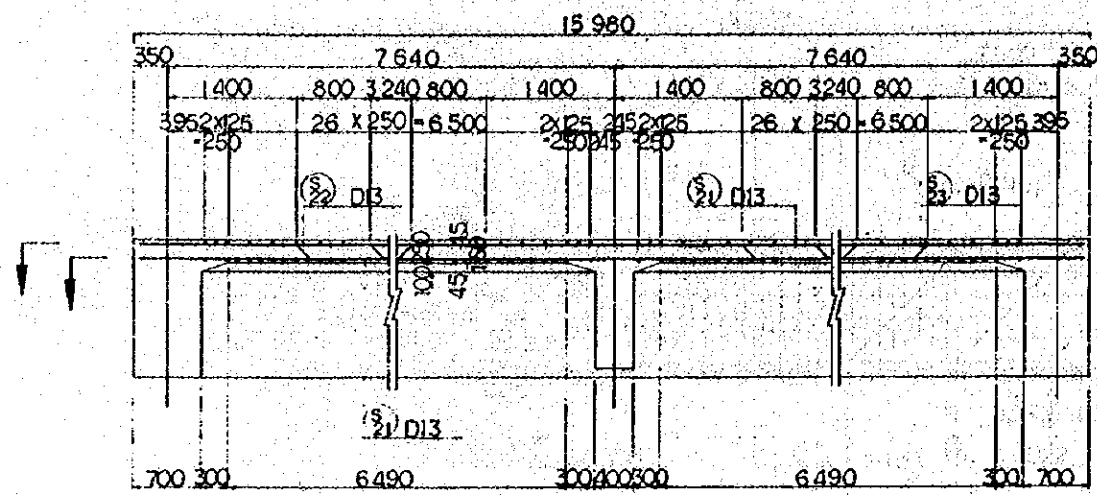
	RC103	RC104	RC105	RC106	RC107	RC108	RC109	RC110	RC111	RC112	RC113	RC114	RC115	RC116
STA (1)	19°149.254	19°165.254	19°181.254	19°197.254	19°212.254	19°227.254	19°242.254	19°257.254	19°273.254	19°289.254	19°305.254	19°321.254	19°336.254	19°352.254
STA (2)	19°165.254	19°181.254	19°197.254	19°212.254	19°227.254	19°242.254	19°257.254	19°273.254	19°289.254	19°305.254	19°321.254	19°336.254	19°352.254	19°366.254
AZIMUTH ANGLE (°)	75°05'10.71	75°05'10.71	75°05'10.71	75°05'10.71	75°05'10.71	75°05'10.71	75°05'10.71	75°05'10.71	75°05'10.71	75°05'10.71	75°05'10.71	75°05'10.71	75°05'10.71	75°05'10.71
∅	∅	∅	∅	∅	∅	∅	∅	∅	∅	∅	∅	∅	∅	∅
U 1	11°615.610	11°600.148	11°584.687	11°569.227	11°554.732	11°540.237	11°525.742	11°511.248	11°495.787	11°480.325	11°464.864	11°449.403	11°434.909	11°419.448
T 1	2°609.662	2°613.780	2°617.898	2°622.016	2°625.876	2°629.737	2°633.597	2°637.458	2°641.576	2°645.693	2°649.811	2°653.929	2°657.789	2°661.907
U 2	11°600.148	11°584.687	11°569.226	11°554.732	11°540.237	11°525.742	11°511.248	11°495.787	11°480.325	11°464.864	11°449.403	11°434.909	11°419.448	11°405.919
T 2	2°613.780	2°617.898	2°622.016	2°625.876	2°629.737	2°633.597	2°637.458	2°641.576	2°645.693	2°649.811	2°653.929	2°657.789	2°661.907	2°665.510
L 1	16000	16000	16000	15000	15000	15000	15000	16000	16000	16000	16000	15000	16000	14000
L 2	15980	15980	15980	14980	14980	14980	14980	15980	15980	15980	15980	14980	15980	13980
L 3	15180	15180	15180	14180	14180	14180	14180	15180	15180	15180	15180	14180	15180	13180
L 4	6490	6490	6490	5990	5990	5990	5990	6490	6490	6490	6490	5990	6490	5490
θ 1	90°00'00.00	90°00'00.00	90°00'00.00	90°00'00.00	90°00'00.00	90°00'00.00	90°00'00.00	90°00'00.00	90°00'00.00	90°00'00.00	90°00'00.00	90°00'00.00	90°00'00.00	90°00'00.00
θ 2	∅	∅	∅	∅	∅	∅	∅	∅	∅	∅	∅	∅	∅	∅

NOTES:

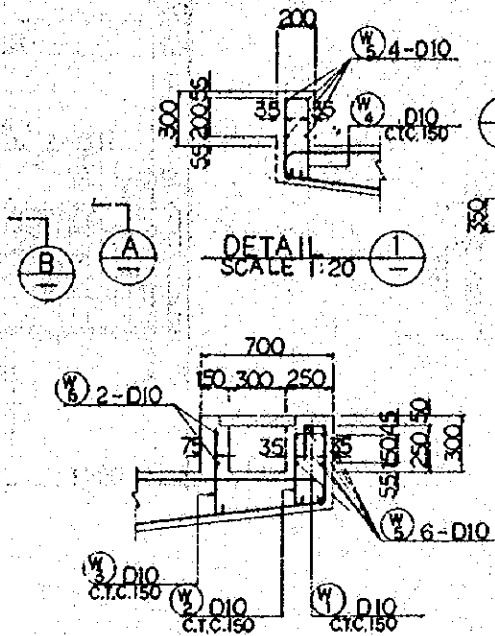
1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
2. REFERENCE DRAWING FOR GENERAL VIEW: CS-276.

	RC117	RC118	RC119	RC120
STA (1)	19°366.254	19°382.254	19°397.254	19°412.254
STA (2)	19°382.254	19°397.254	19°412.254	19°426.254
AZIMUTH ANGLE (°)	75°05'10.71	75°05'10.71	75°05'10.71	75°05'10.71
∅	∅	∅	∅	∅
U 1	11°405.919	11°390.458	11°375.964	11°361.469
T 1	2°665.510	2°669.628	2°673.489	2°677.349
U 2	11°390.458	11°375.964	11°361.469	11°346.008
T 2	2°669.628	2°673.489	2°677.349	2°681.467
L 1	16000	15000	15000	16000
L 2	15980	14980	14980	15980
L 3	15180	14180	14180	15180
L 4	6490	5990	5990	6490
θ 1	90°00'00.00	90°00'00.00	90°00'00.00	90°00'00.00
θ 2	∅	∅	∅	∅

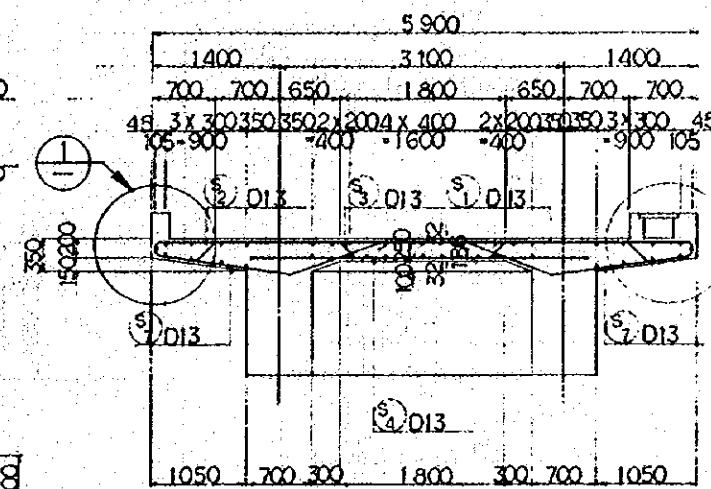
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
B	1AUG/84	M.S	M.Y	K.A	K.M
A	15FEB/84	M.S	M.Y	K.A	K.M
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED
R.C. GIRDER RC103~RC120 GENERAL VIEW (SHEET 2 OF 2)					
PACKAGE: I CIVIL AND ARCHITECTURAL WORK					
SCALE	DRAWING NO. CS-277				



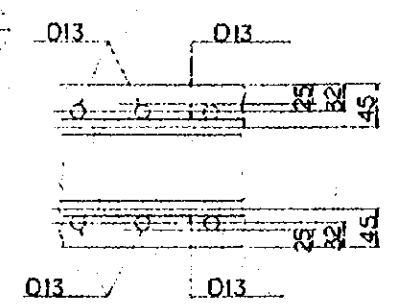
SECTION C



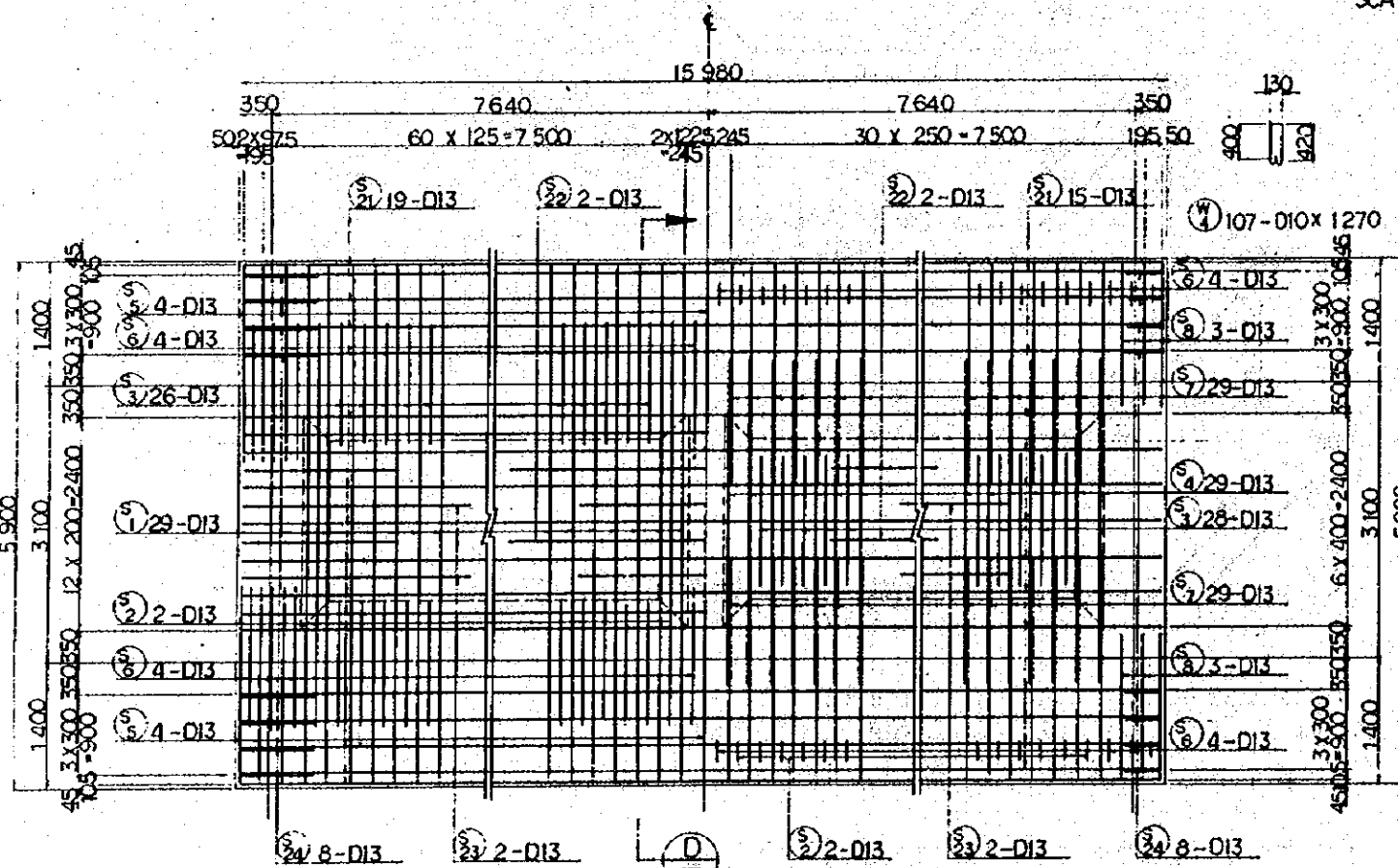
DETAIL SCALE 1:20



SECTION D

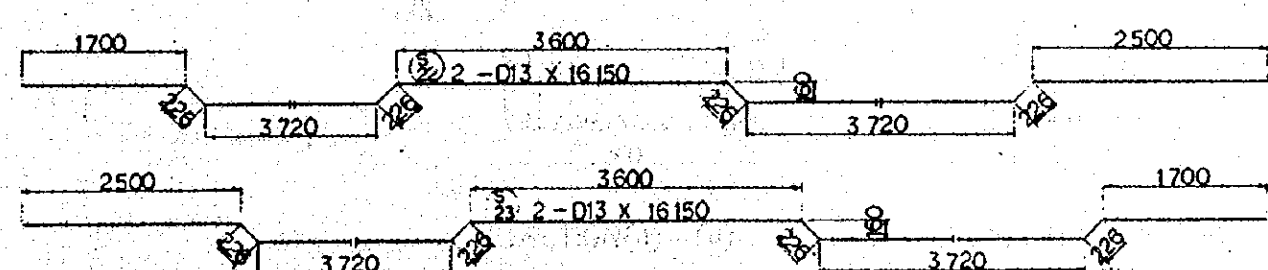
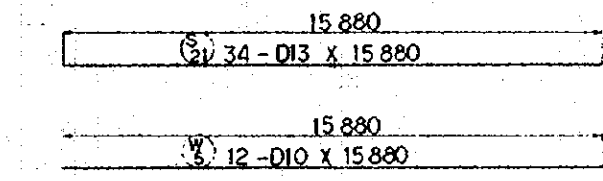
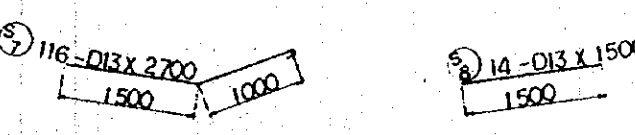
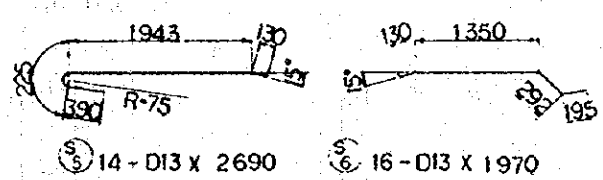
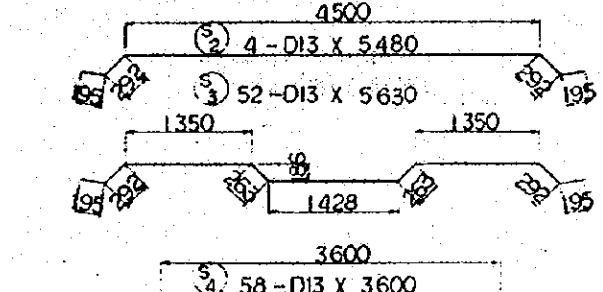
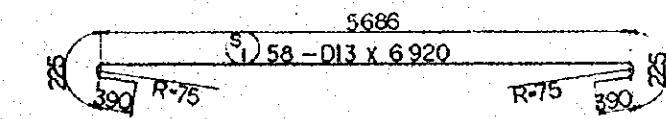
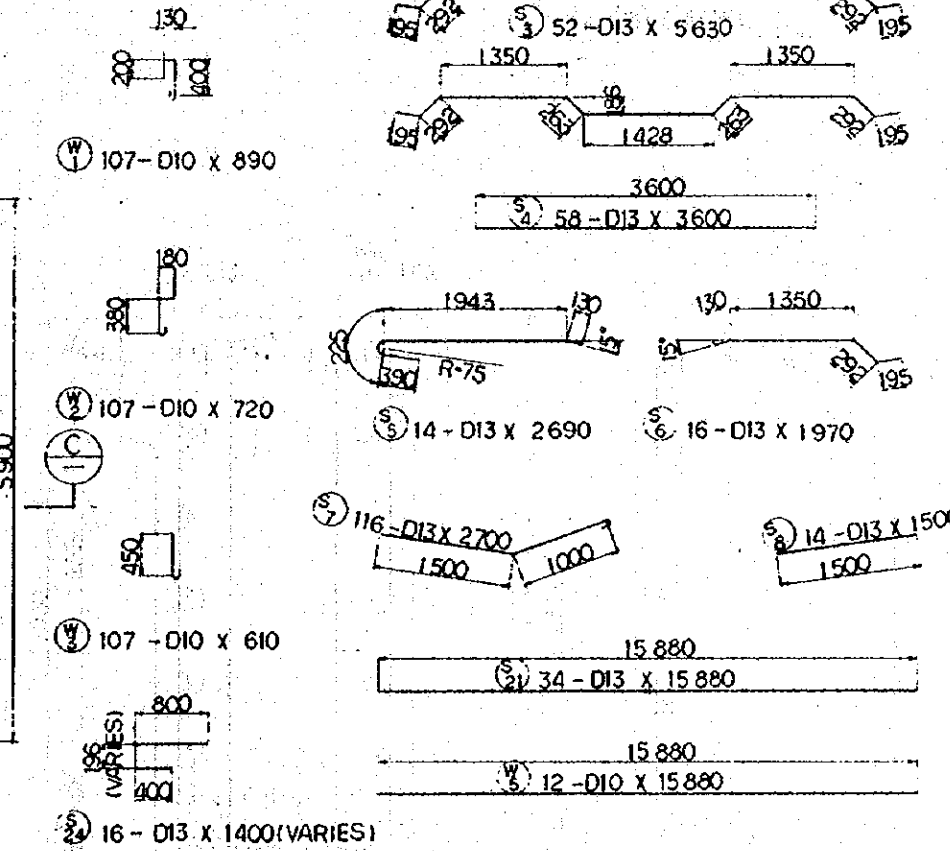


CONCRETE COVER.



SECTION A

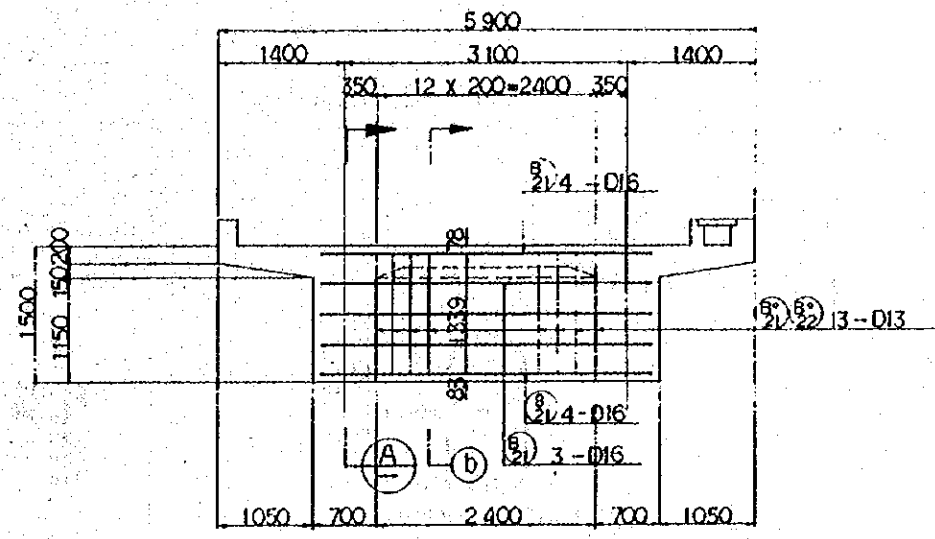
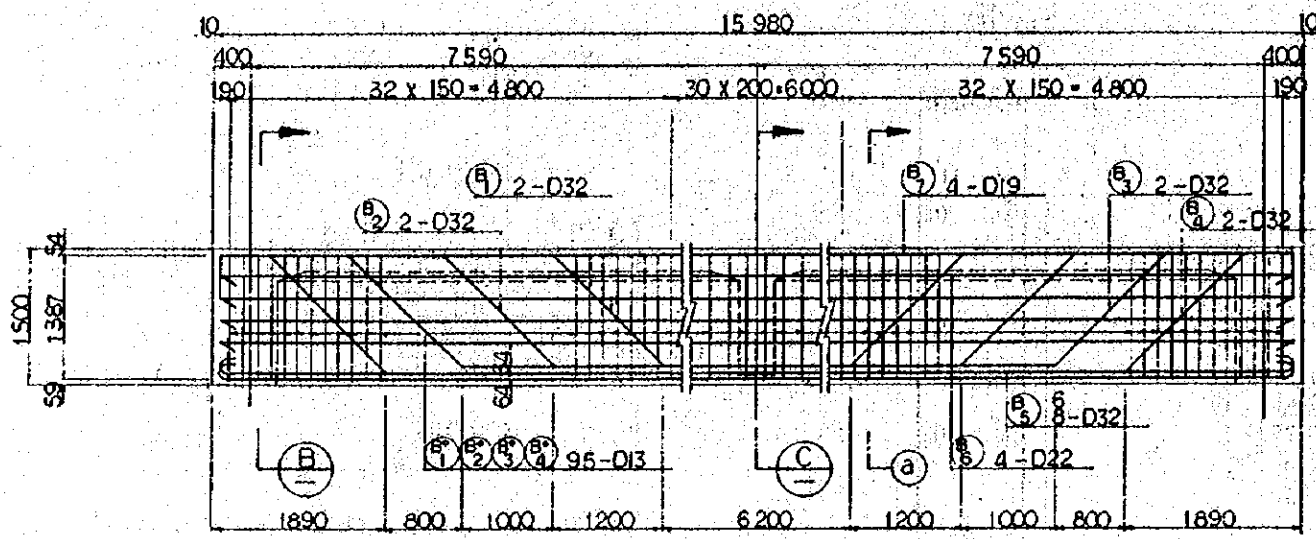
SECTION B



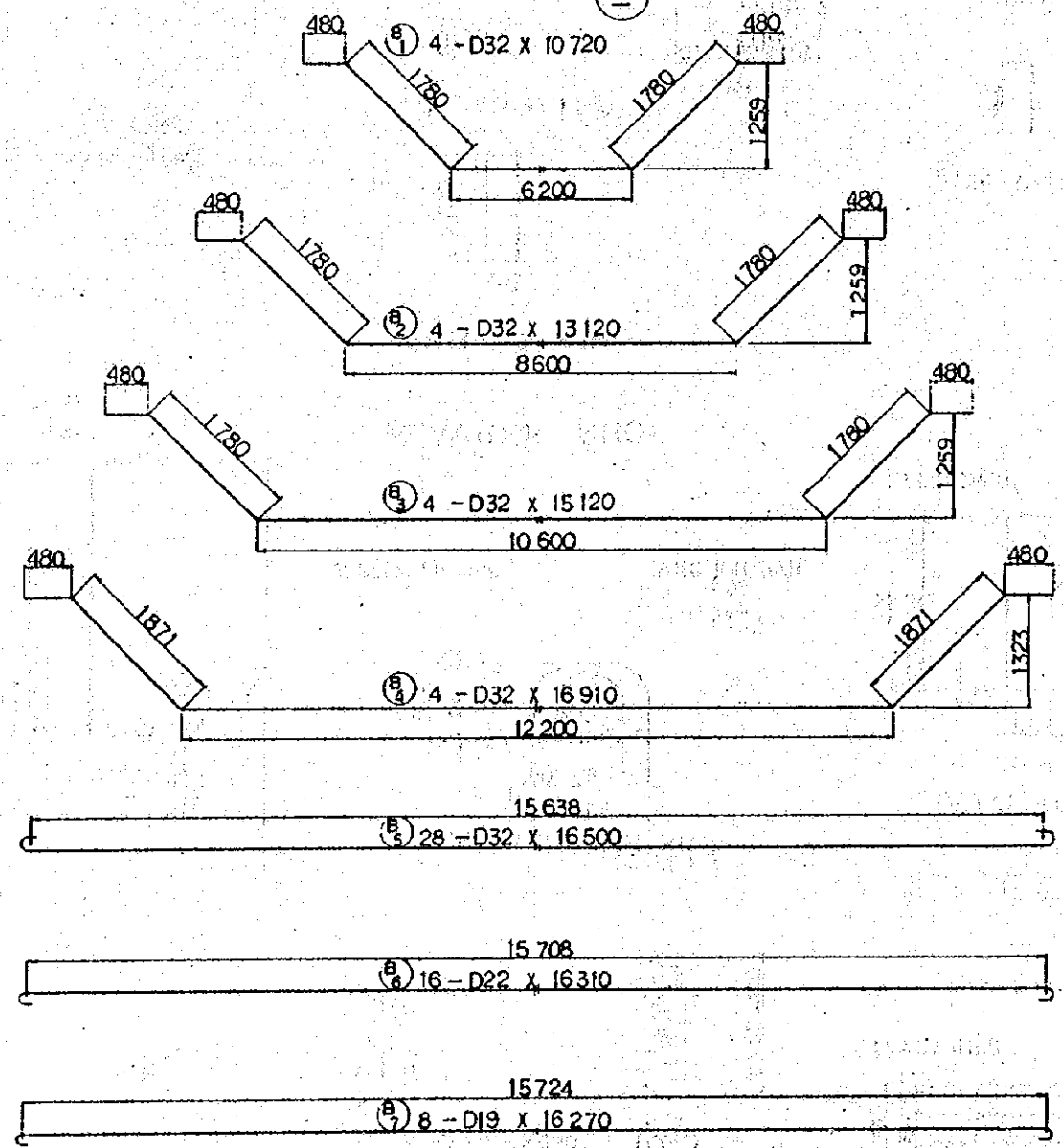
NOTES :

1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
2. REFERENCE DRAWING FOR GENERAL VIEW : CS-276.

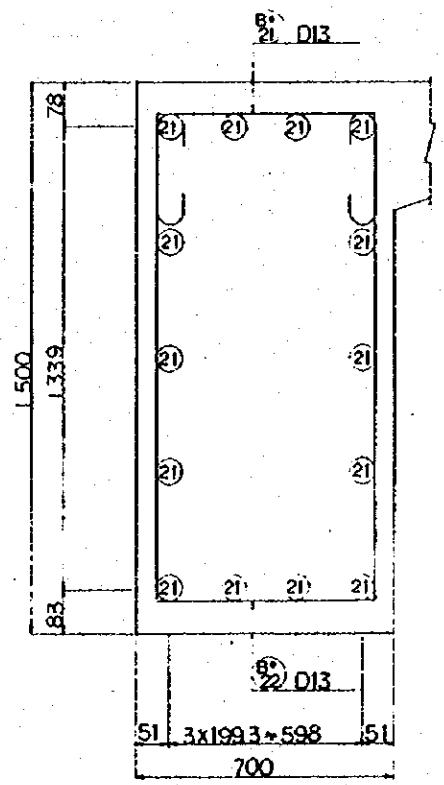
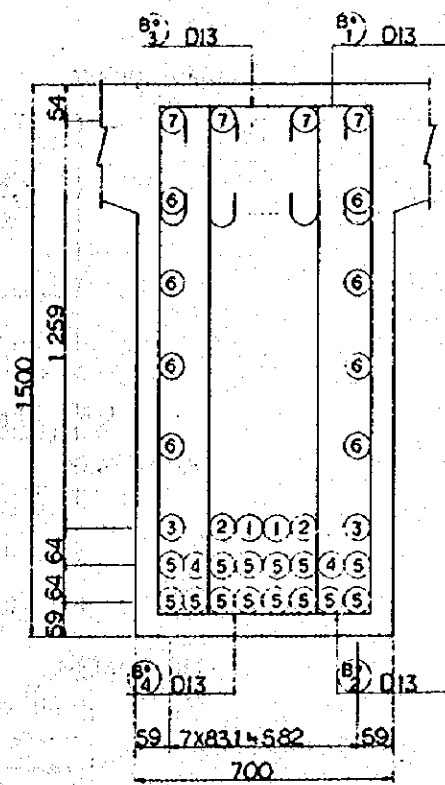
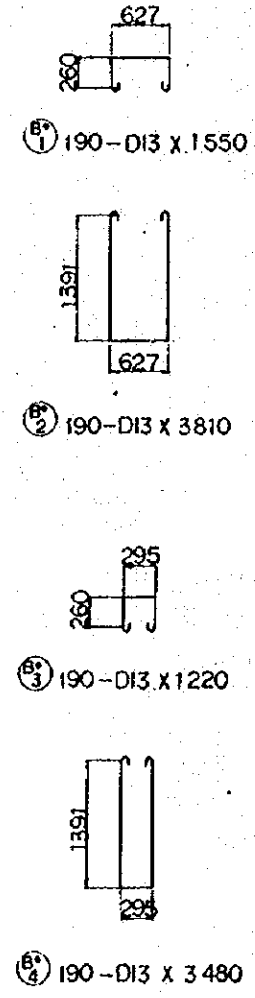
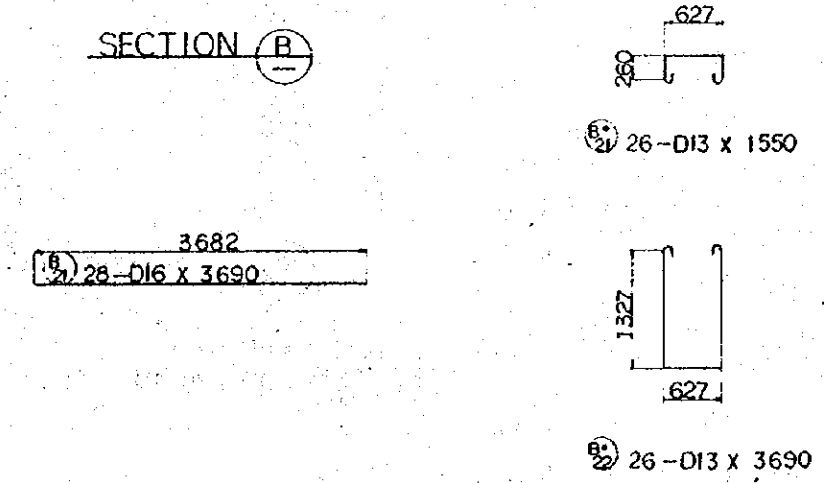
REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS					
NEW RAILWAY LINE FOR CENDEKARENG AIRPORT CONSTRUCTION PROJECT					
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)					
B	1AUG.84	CL.S	M.Y	K.R	K.M
A	11FEB.84	CL.S	M.Y	K.R	K.M
REVISIONS	DATE	REASON	BY	CHECKED	APPROVED
R.C. GIRDER RC103 BAR ARRANGEMENT (SHEET 1 OF 3)					
PACKAGE: I CIVIL AND ARCHITECTURAL WORK					
SCALE 1 : 40,20		DRAWING NO. CS-278			



SECTION (A)



SECTION (B)

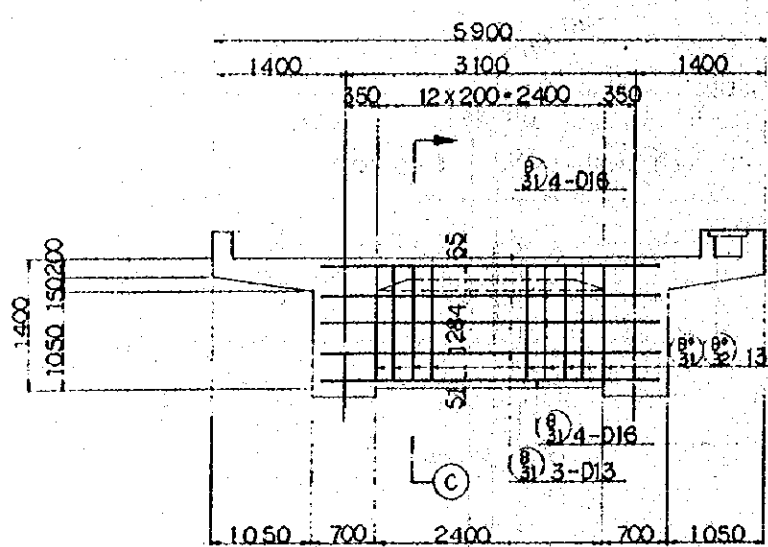


SECTION (a) - (a)

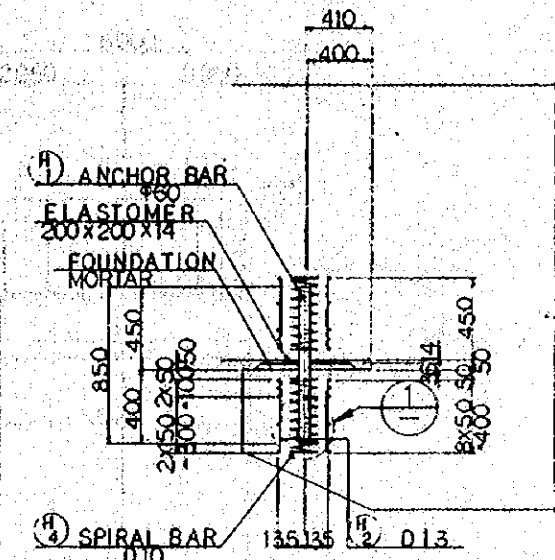
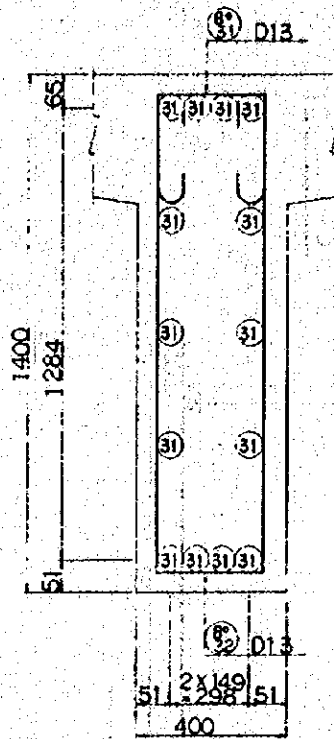
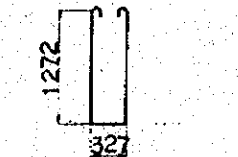
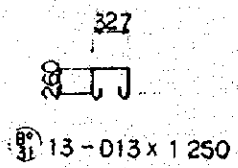
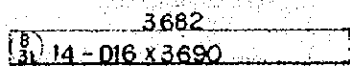
SECTION (b) - (b)

- NOTES
- 1 ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
 - 2 REFERENCE DRAWING FOR GENERAL VIEW : CS - 276.

REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1AUG.84	H.S.	M.Y.	K.R.	K.M.	M.R.
A	1FEB.84	H.S.	M.Y.	K.R.	K.M.	M.R.
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
R.C. GIRDER RC103 BAR ARRANGEMENT (SHEET 2 OF 3)						
PACKAGE : I CIVIL AND ARCHITECTURAL WORK						
SCALE	DRAWING NO.					
1 : 40	CS-279					



SECTION C

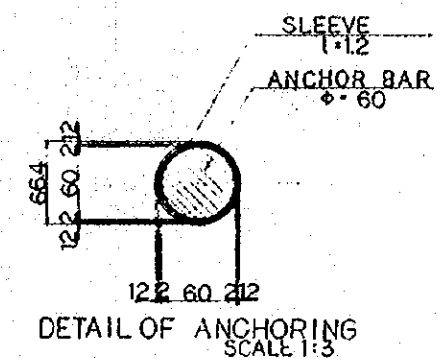


DETAIL OF SUPPORT BEARING SCALE 1:20

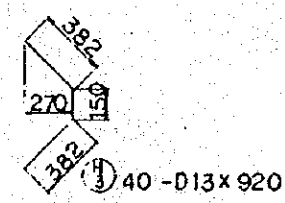


DETAIL 1 SCALE 1:20

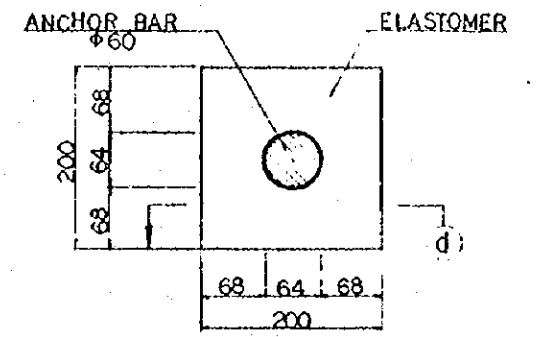
FIXED END



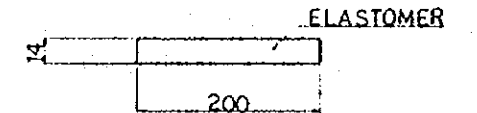
DETAIL OF ANCHORING SCALE 1:3



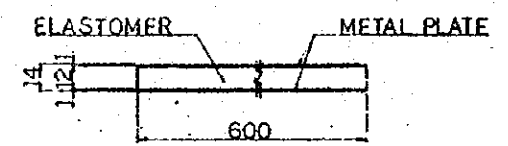
4-D10 x 5370
DETAIL OF SPIRAL BAR SCALE 1:10



DETAIL OF DECK PAD SCALE 1:4

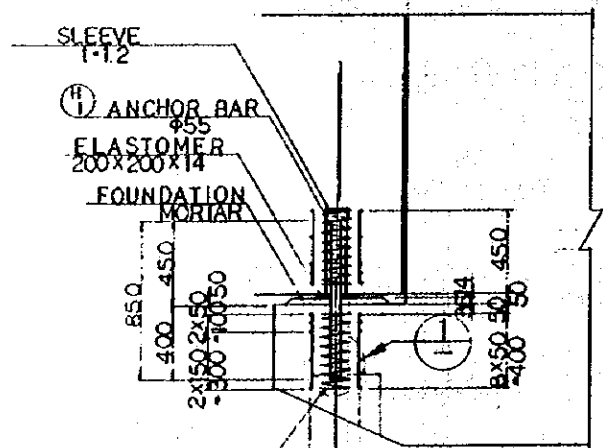


SECTION (d-d)

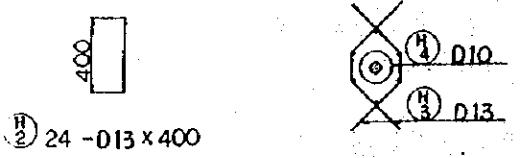


DETAIL OF BEARING PAD SCALE 1:2

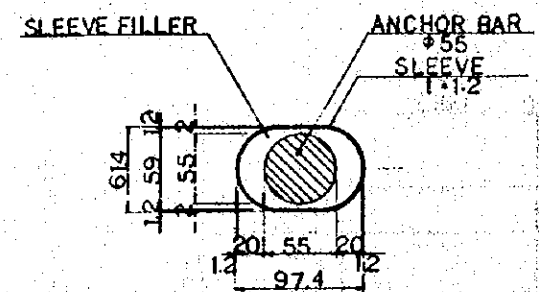
MOVABLE SHOE



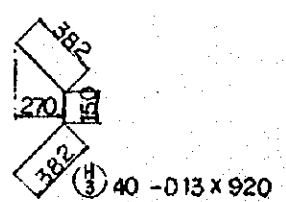
DETAIL OF SUPPORT BEARING SCALE 1:20



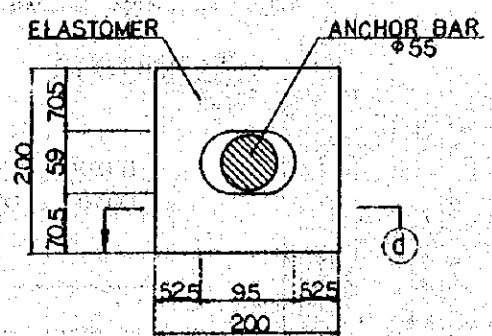
DETAIL 1 SCALE 1:20



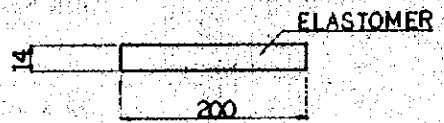
DETAIL OF ANCHORING SCALE 1:3



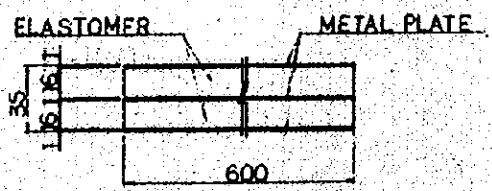
4-D10 x 5370
DETAIL OF SPIRAL BAR SCALE 1:10



DETAIL OF DECK PAD SCALE 1:4



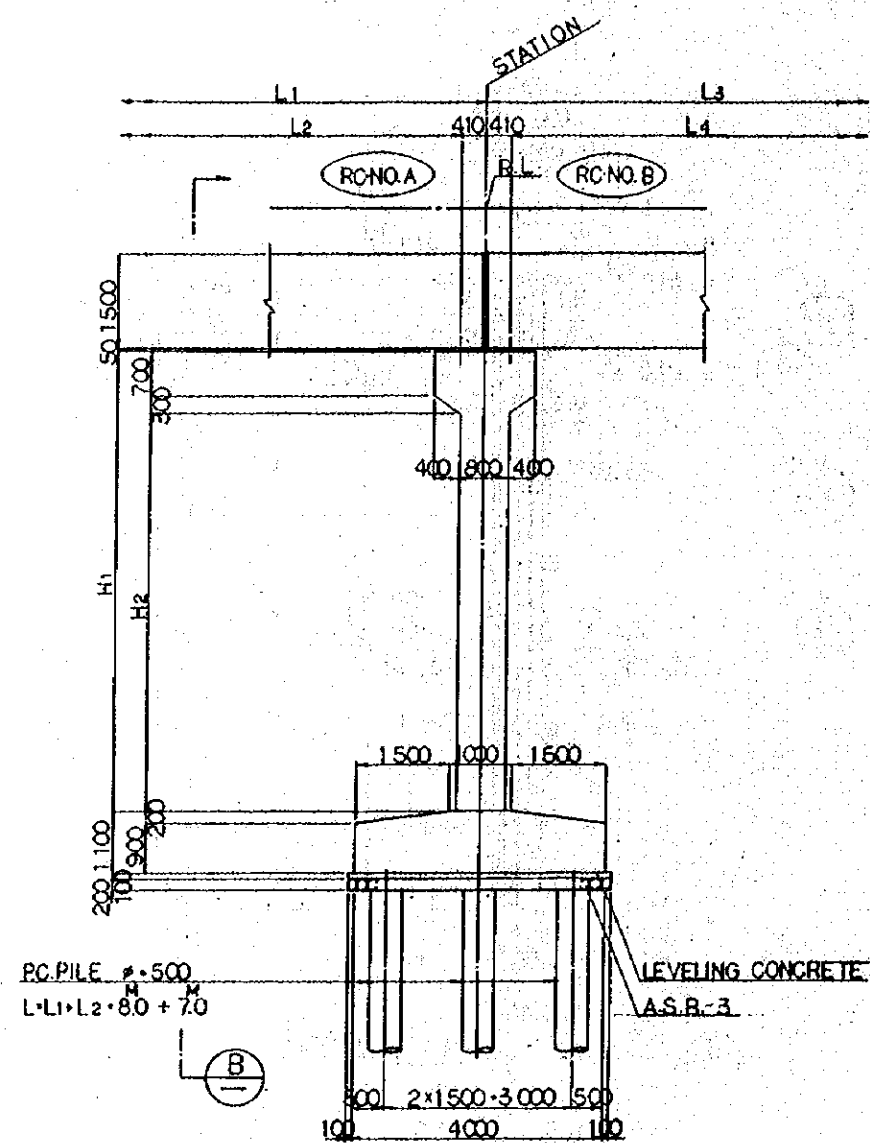
SECTION (d-d)



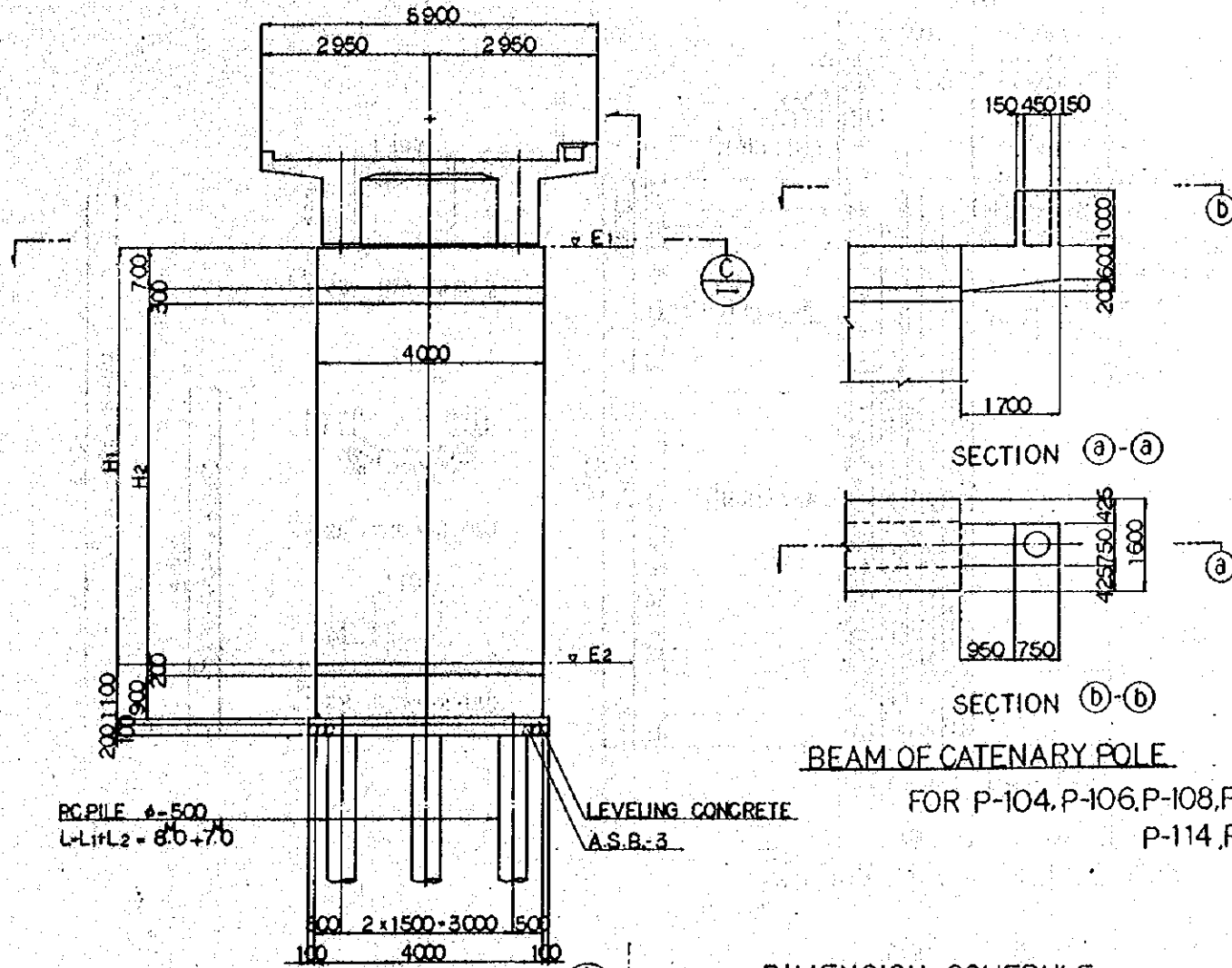
DETAIL OF BEARING PAD SCALE 1:2

- NOTES:
1. ALL DIMENSIONS ARE SHOWN IN MILLIMETERS UNLESS OTHERWISE INDICATED
 2. REFERENCE DRAWING FOR GENERAL VIEW : CS-276.

REPUBLIC OF INDONESIA MINISTRY OF COMMUNICATIONS DIRECTORATE GENERAL OF LAND TRANSPORT AND INLAND WATERWAYS						
NEW RAILWAY LINE FOR CENGKARENG AIRPORT CONSTRUCTION PROJECT						
JAPAN INTERNATIONAL COOPERATION AGENCY (JICA)						
B	1AUG/84	12.5	M.Y	K.A	K.M	K.R
A	1568/84	11.5	M.Y	K.A	K.M	K.R
REVISIONS	DATE	DESIGNED	DRAWN	CHECKED	REVIEWED	SUBMITTED
R.C. GIRDER RC103 BAR ARRANGEMENT (SHEET 3 OF 3)						
PACKAGE: I CIVIL AND ARCHITECTURAL WORK						
SCALE AS NOTED		DRAWING NO. CS-280				



SECTION A



BEAM OF CATENARY POLE

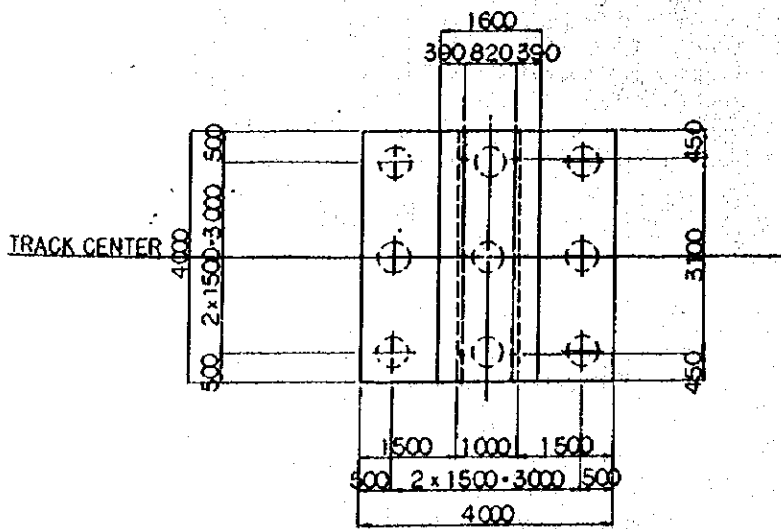
FOR P-104, P-106, P-108, P-111
P-114, P-117 ONLY

DIMENSION SCHEDULE

PIER NO.	STATION	RC NO. A	RC NO. B	R.L.	E1	E2	L1	L2	L3	L4	H1	H2
P101	193.253	101	102	10.554	8.294	0.894	16.023	15.203	16.001	15.181	7400	6400
P102	149.254	102	103	10.553	8.293	0.893	16.001	15.181	16.000	15.180	7400	6400
P103	165.254	103	104	10.498	8.238	0.838	16.000	15.180	.	.	7400	6400
P104	181.254	104	105	10.358	8.098	0.898	.	.	.	.	7200	6200
P105	197.254	105	106	10.137	7.877	0.877	.	.	15.000	14.180	7000	6000
P106	212.254	106	107	9.853	7.593	0.893	15.000	14.180	.	.	6700	5700
P107	227.254	107	108	9.498	7.238	0.838	.	.	.	.	6400	5400
P108	242.254	108	109	9.123	6.863	0.863	.	.	.	.	6000	5000
P109	257.254	109	110	8.748	6.488	0.888	.	.	16.000	15.180	5600	4600
P110	273.254	110	111	8.348	6.088	0.888	16.000	15.180	.	.	5200	4200
P111	289.254	111	112	7.948	5.688	0.888	.	.	.	.	4800	3800
P112	305.254	112	113	7.548	5.288	0.888	.	.	.	.	4400	3400
P113	321.254	113	114	7.148	4.888	0.888	.	.	15.000	14.180	4000	3000
P114	336.254	114	115	6.773	4.513	0.813	15.000	14.180	16.000	15.180	3700	2700
P115	352.254	115	116	6.373	4.113	0.813	16.000	15.180	14.000	13.180	3300	2300
P116	368.254	116	117	6.023	3.763	0.863	14.000	13.180	16.000	15.180	2900	1900
P117	382.254	117	118	5.623	3.363	0.863	16.000	15.180	15.000	14.180	2500	1500
P118	397.254	118	119	5.248	2.988	0.888	15.000	14.180	.	.	2100	1100
P119	412.254	119	120	4.873	2.613	0.813	.	.	16.000	15.180	1800	800
P120	428.254	120	121	4.473	2.213	0.813	16.000	15.180	10.000	9.300	1400	400

GENERAL VIEW OF P-101 ~ P-120 SCALE 1:60

- NOTES:
1. ALL DIMENSIONS ARE SHOWN MILLIMETERS UNLESS OTHERWISE INDICATED
 2. REFERENCE DRAWING FOR BAR ARRANGEMENT: CS282.CS283
 3. TYPES OF PC PILE
 - BOTTOM SURFACE
 - PC PILE CLASS B.
 - PC PILE CLASS A.



SECTION C

REPUBLIC OF INDONESIA
MINISTRY OF COMMUNICATIONS
DIRECTORATE GENERAL OF LAND TRANSPORT
AND INLAND WATERWAYS

NEW RAILWAY LINE FOR GENGKARENG AIRPORT
CONSTRUCTION PROJECT

JAPAN INTERNATIONAL COOPERATION AGENCY
(JICA)

REVISIONS	DATE	DESIGNED	CHECKED	APPROVED	DATE
B	1 AUG '84	S.S.	M.Y.	K.A.	K.M.
A	22 FEB '84	S.S.	M.Y.	K.A.	K.M.

PIER P101~P120
GENERAL VIEW

PACKAGE: 1 CIVIL AND ARCHITECTURAL WORK
SCALE: 1:60
DRAWING NO: CS-281