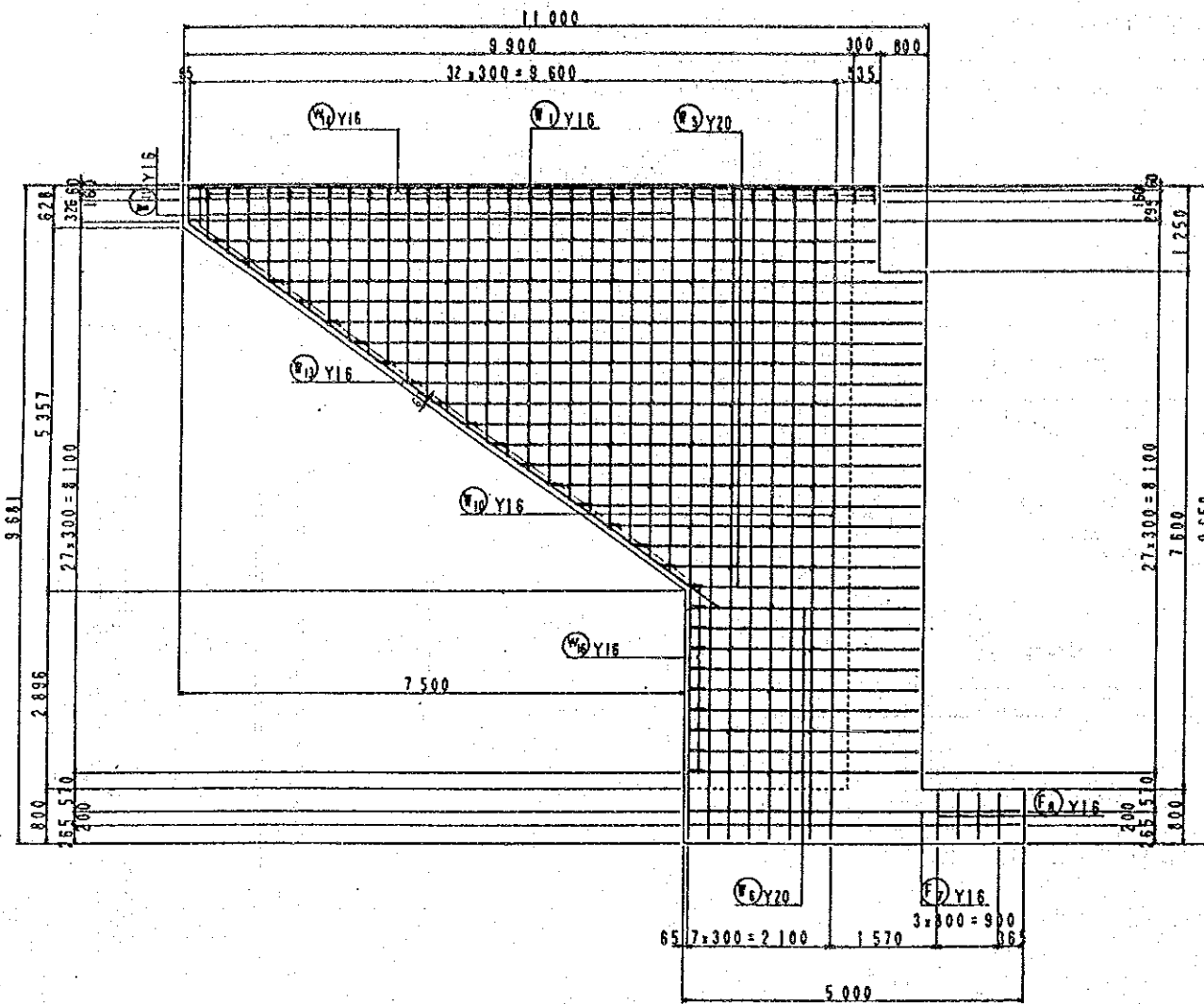
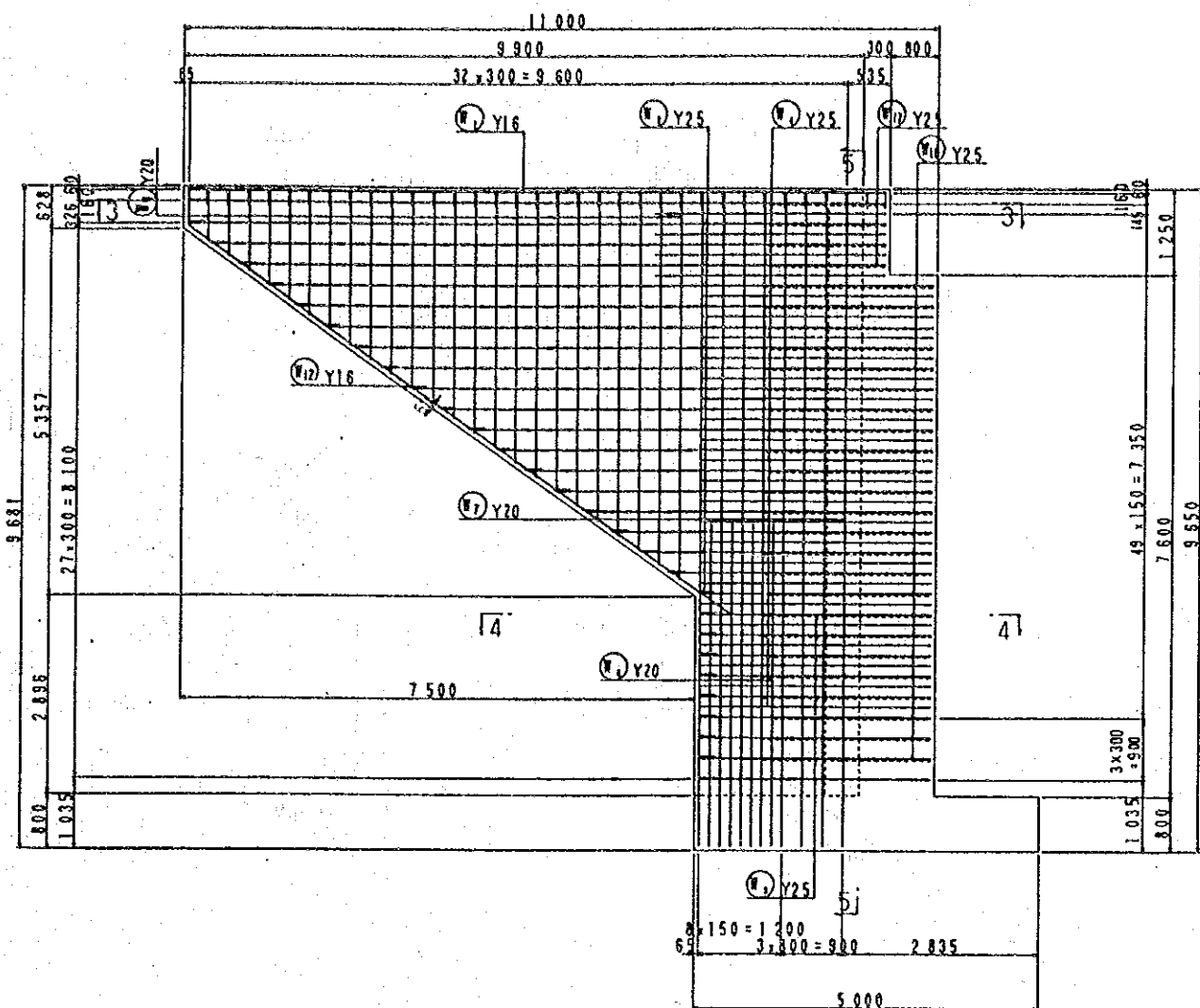


AERIAL PHOTO BY _____ SURVEYED BY _____
 MAPPING BY _____ TRACED BY _____
 LOCATION BY _____ CHECKED BY _____

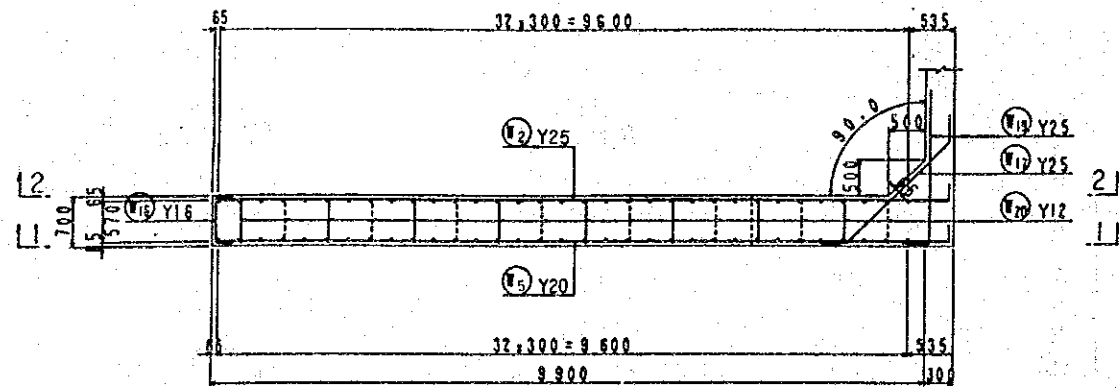
MOPW ROADS DEPT DRG NO.



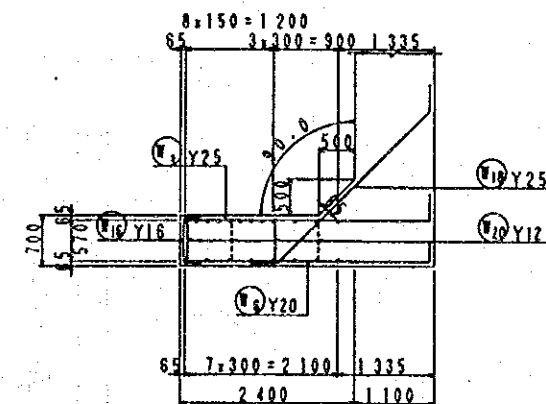
1 — 1



2 — 2



3 — 3



4 — 4

REVISIONS	
DESCRIPTION	DATE

JAPAN INTERNATIONAL COOPERATION AGENCY

CHIEF ENGINEER (ROADS)
CHIEF SUPT ENG (DESIGN)

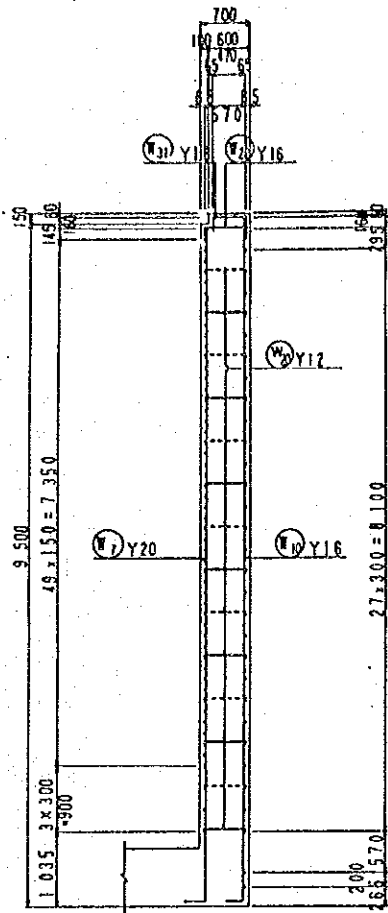
SEN SUPT. ENG. (DESIGN)
SUPT ENGINEER (DESIGN)
PROJECT ENGINEER

SCALES
1: 50

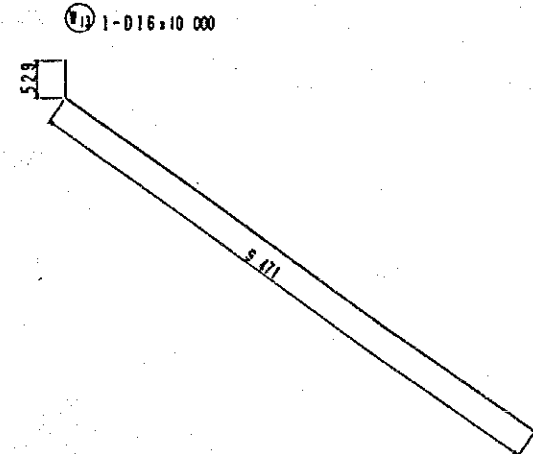
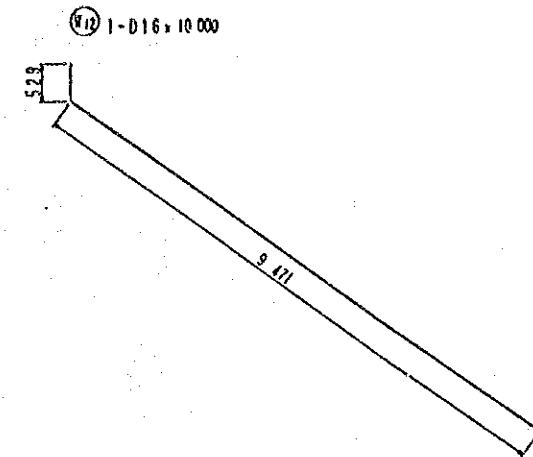
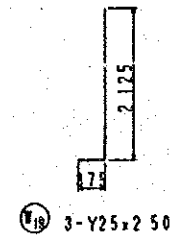
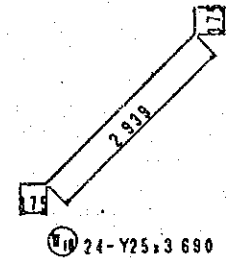
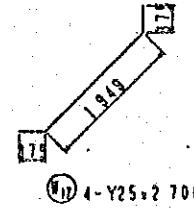
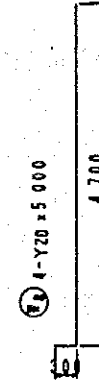
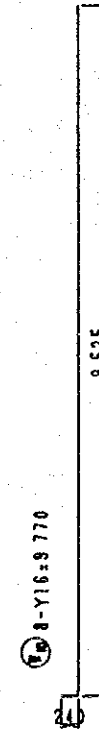
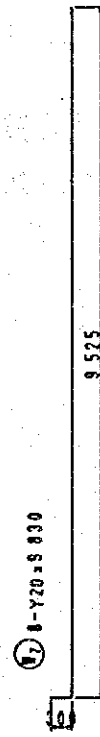
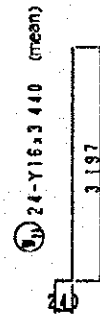
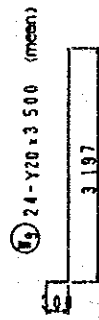
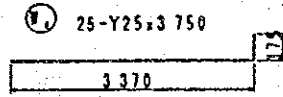
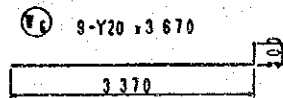
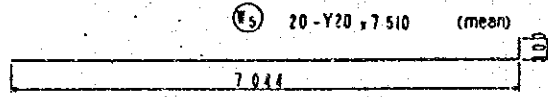
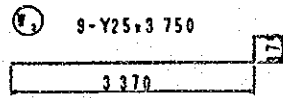
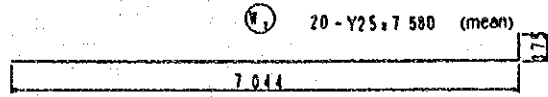
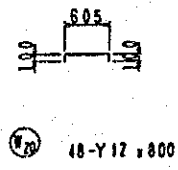
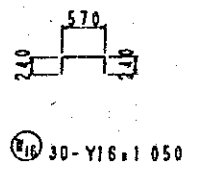
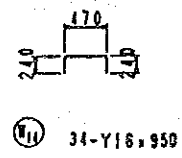
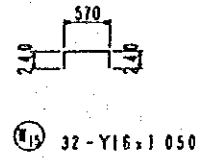
NAIROBI BYPASS
OVER BRIDGE (I) 0+20 CH 150+900
VIAS WALL (AJ) (I)

P
SHEET 21 OF 45

AERIAL PHOTO BY _____ SURVEYED BY _____
 MAPPING BY _____ TRACED BY _____
 LOCATION BY _____ CHECKED BY _____
 MOPW ROADS DEPT DRG NO. _____



5-5



REVISIONS	
DESCRIPTION	DATE

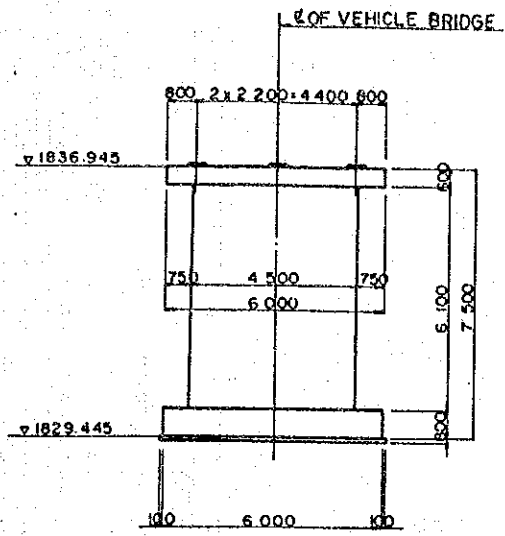
JAPAN INTERNATIONAL COOPERATION AGENCY

CHIEF ENGINEER (ROADS)
CHIEF SUPT. ENG. (DESIGN)

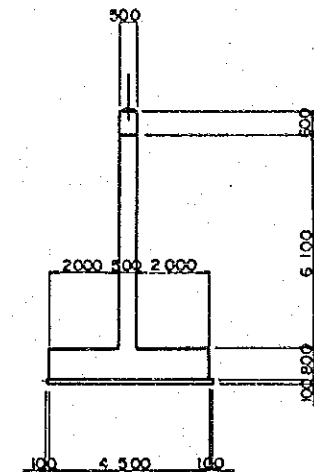
SEN SUPT. ENG. (DESIGN)
SUPT. ENGINEER (DESIGN)
PROJECT ENGINEER

SCALES
1:50

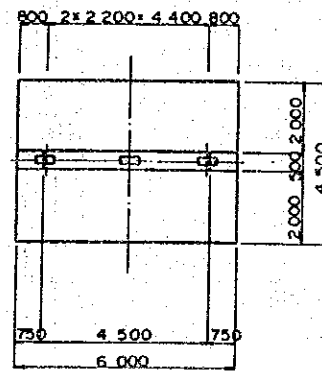
NAIROBI BYPASS
OPEN BRIDGE (1) 7.6m CR 150x150
RING WALL (A1) (2)



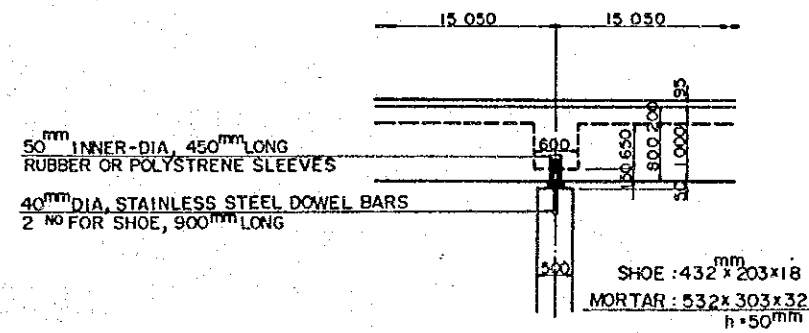
FRONT VIEW



SIDE VIEW



PLAN - PIER



PIER (Fix)

AERIAL PHOTO BY SURVEYED BY
MAPPING BY TRACED BY
LOCATION BY CHECKED BY

MOPW ROADS DEPT. DRG. NO.

REVISIONS	
DESCRIPTION	DATE

JAPAN INTERNATIONAL
COOPERATION AGENCY

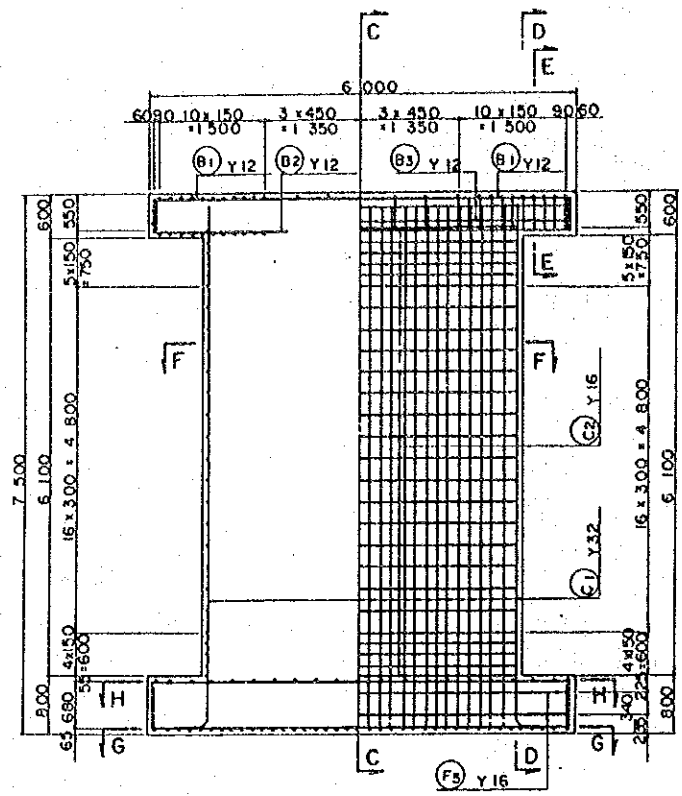
CHIEF ENGINEER (ROADS)
CHIEF SUPT. ENG. (DESIGN)

SEN. SUPT. ENG. (DESIGN)
SUPT. ENGINEER (DESIGN)
PROJECT ENGINEER

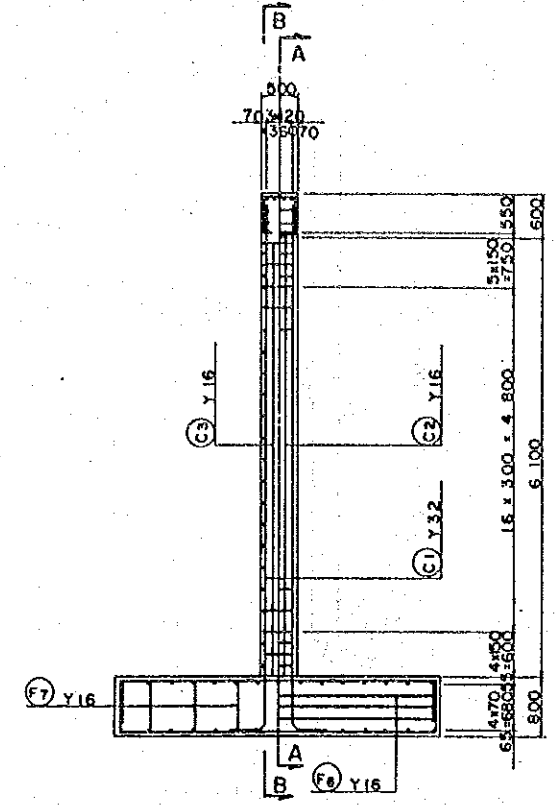
SCALES
1:50 1:100

NAIROBI BYPASS
OVER BRIDGE (I) R-6a CR 111a-980
PIER (I)

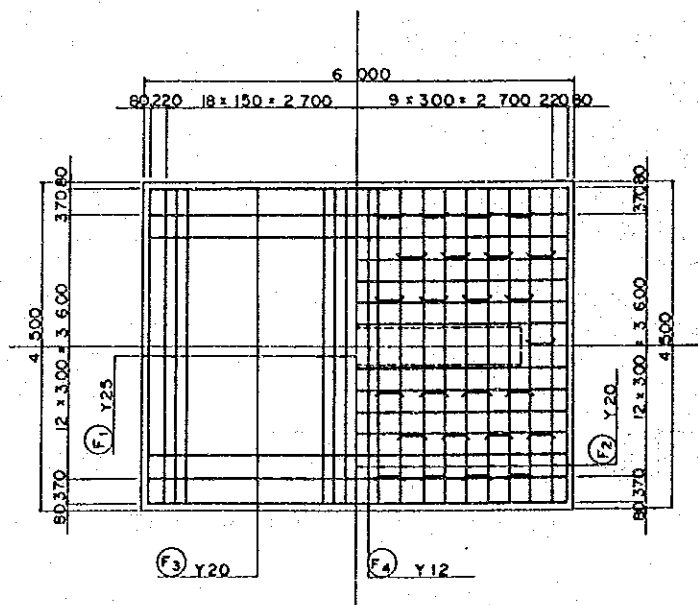
P
SHEET 23 OF 45



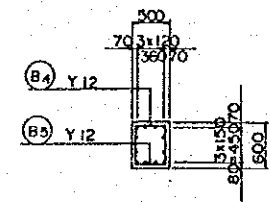
A - A B - B



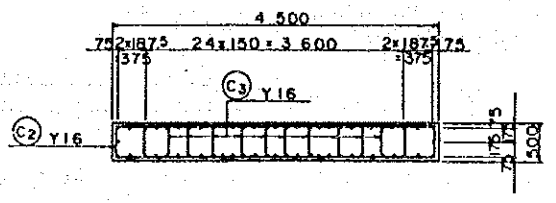
C - C D - D



G - G H - H



E - E



F - F

AERIAL PHOTO BY	SURVEYED BY
MAPPING BY	TRACED BY
LOCATION BY	CHECKED BY

M.O.P.W. ROADS DEPT. DRG. NO.

REVISIONS	
DESCRIPTION	DATE

JAPAN INTERNATIONAL COOPERATION AGENCY

CHIEF ENGINEER (ROADS)
CHIEF SUPT. ENG. (DESIGN)

SEN. SUPT. ENG. (DESIGN)
SUPT. ENGINEER (DESIGN)
PROJECT ENGINEER

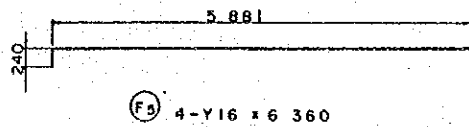
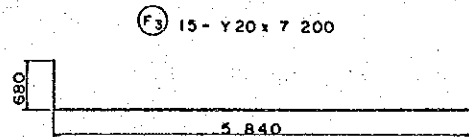
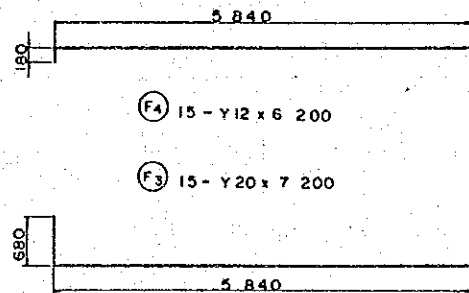
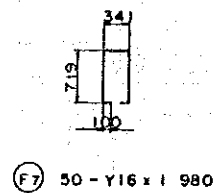
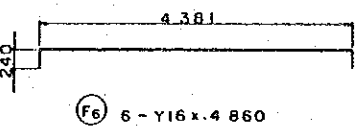
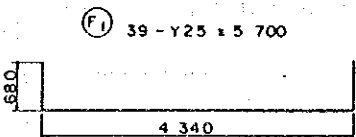
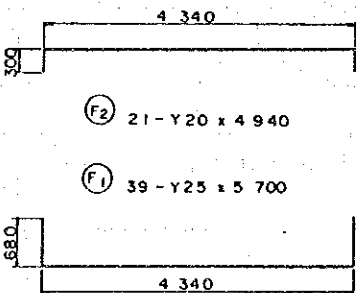
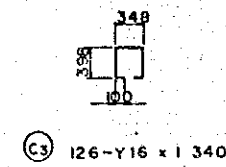
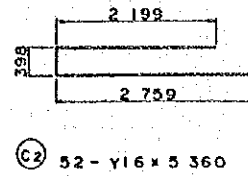
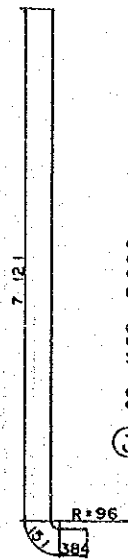
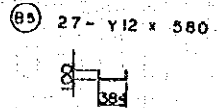
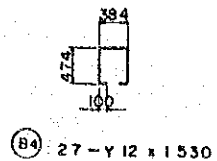
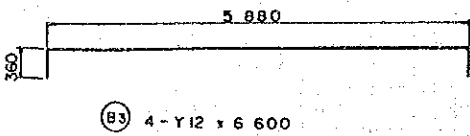
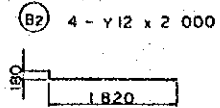
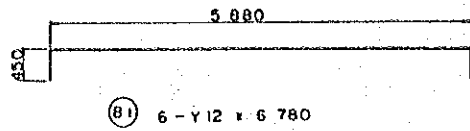
SCALES
1:50

NAIROBI BYPASS
OVER BRIDGE (1) W-60 CB 110+910
PIER (1)

P
SHEET 24 OF 45

AERIAL PHOTO BY _____ SURVEYED BY _____
 MAPPING BY _____ TRACED BY _____
 LOCATION BY _____ CHECKED BY _____

M.C.P.W. ROADS DEPT. DRG. NO.



REVISIONS	
DESCRIPTION	DATE

JAPAN INTERNATIONAL
COOPERATION AGENCY

CHIEF ENGINEER (ROADS)
CHIEF SUPT ENG (DESIGN)

SEN SUPT ENG (DESIGN)
SUPT ENGINEER (DESIGN)
PROJECT ENGINEER

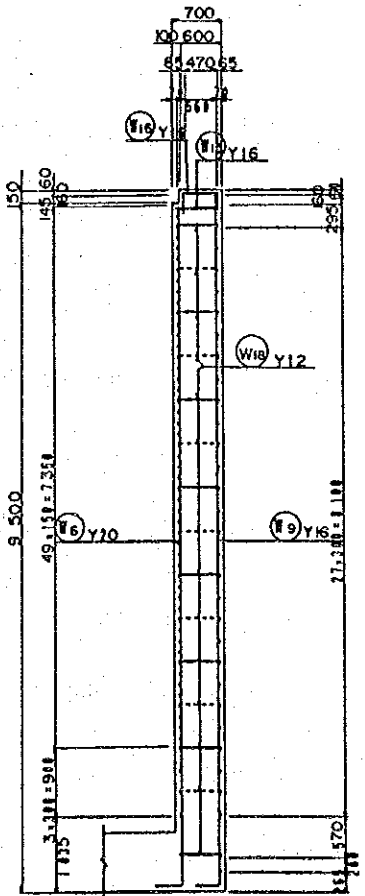
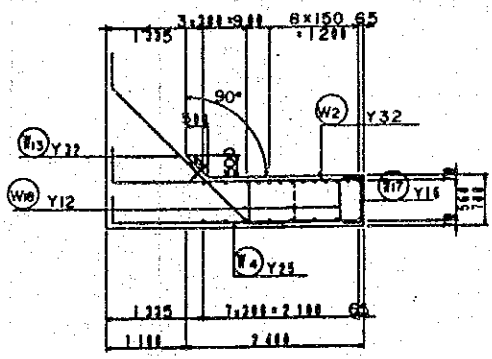
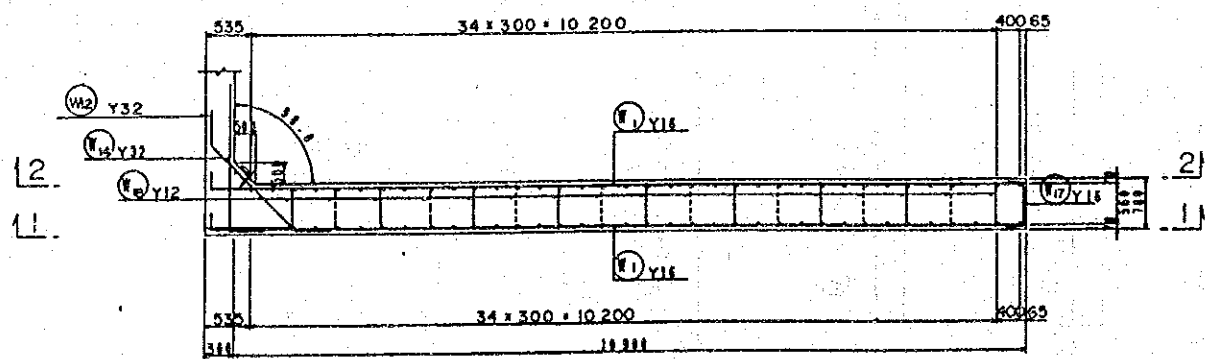
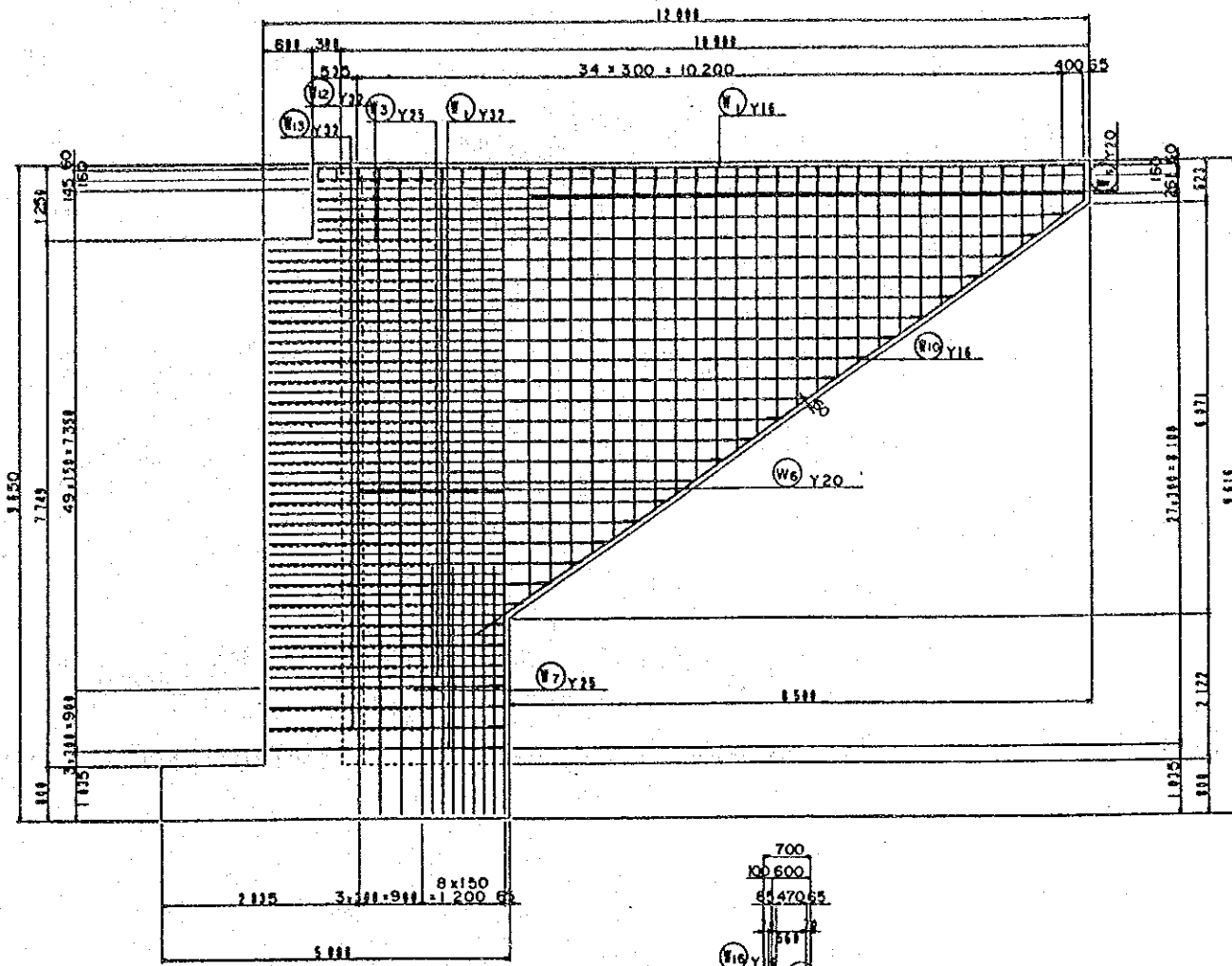
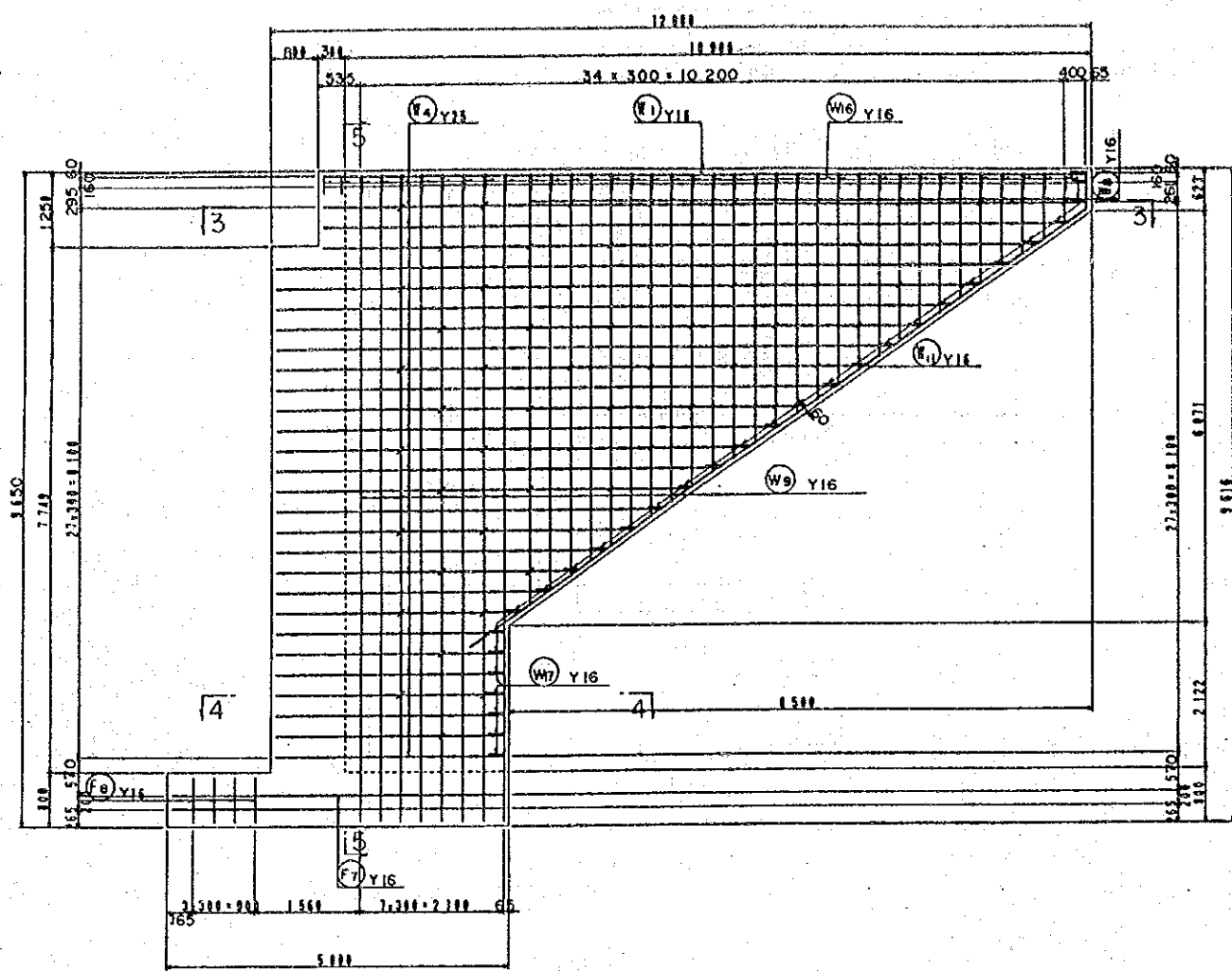
SCALES
1:50

NAIROBI BYPASS
OVER BRIDGE (1) R-8a CN 151a-920
PIER (3)

P
SHEET 25 OF 45

M.O.P.W. ROADS DEPT. DRG. NO.

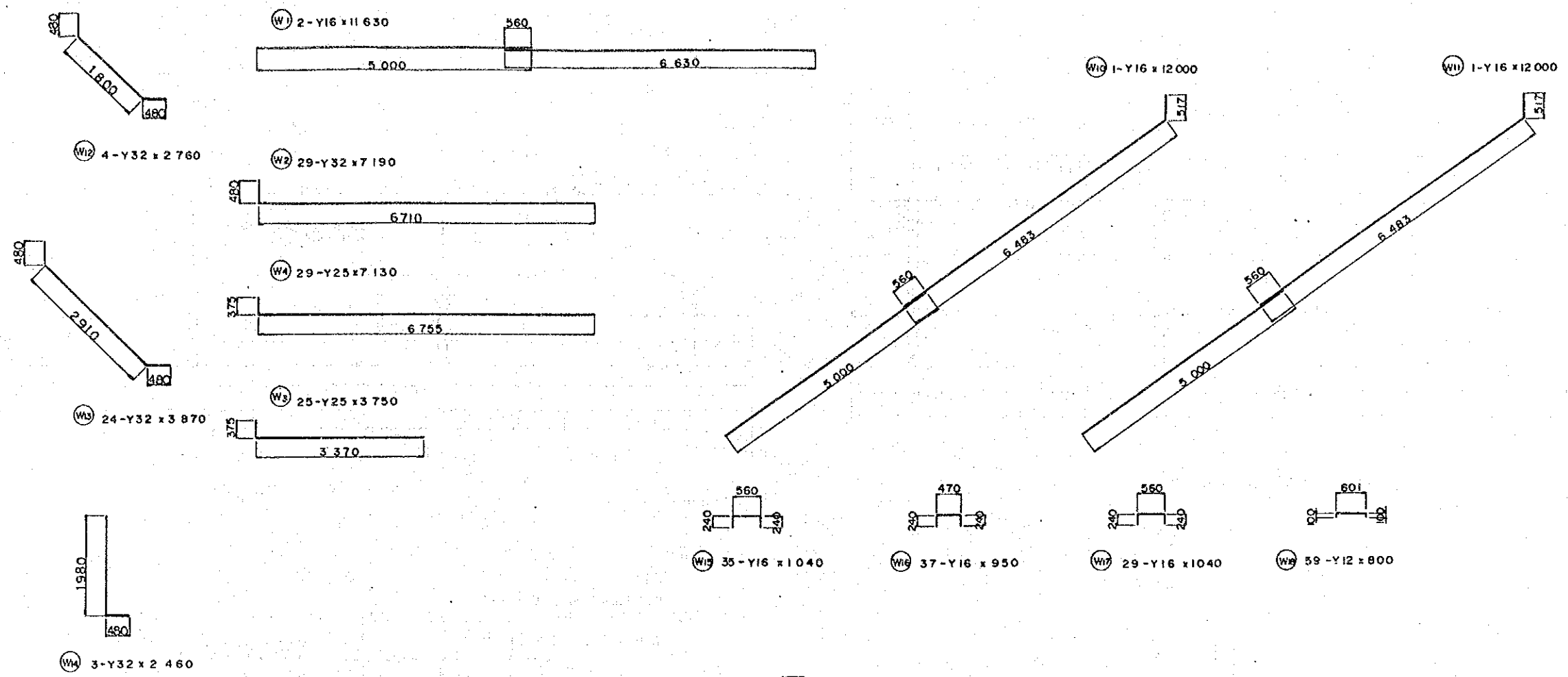
AERIAL PHOTO BY	SURVEYED BY
MAPPING BY	TRACED BY
LOCATION BY	CHECKED BY



REVISIONS		JAPAN INTERNATIONAL COOPERATION AGENCY	CHIEF ENGINEER (ROADS)	SEN SUPT. ENG. (DESIGN)	SCALES	NAIROBI BYPASS	P
DESCRIPTION	DATE						
					1:50	OVER BRIDGE (1) 8-16 CH (150-000)	
			CHIEF SUPT. ENG. (DESIGN)	PROJECT ENGINEER		RING WALL (42) (1)	

AERIAL PHOTO BY	SURVEYED BY
MAPPING BY	TRACED BY
LOCATION BY	CHECKED BY

M.O.P.W. ROADS DEPT. DRG. NO.



REVISIONS	
DESCRIPTION	DATE

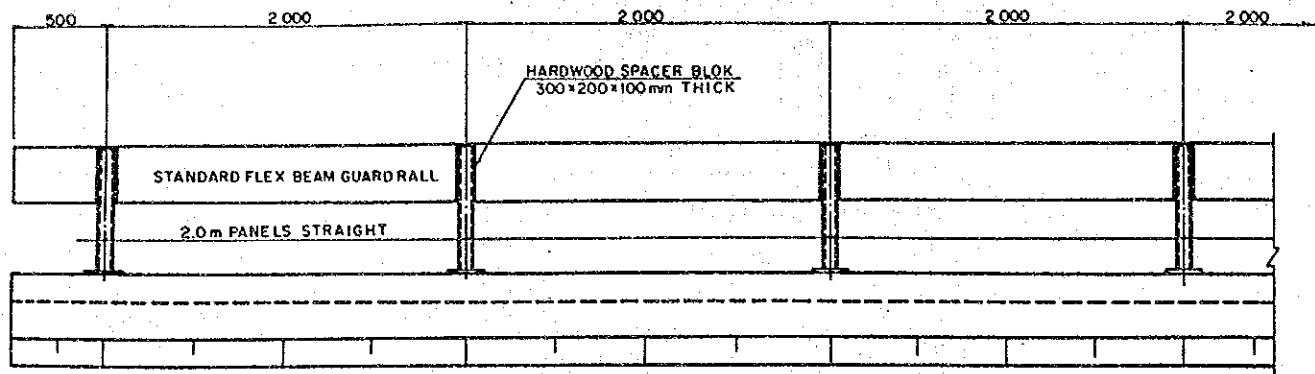
JAPAN INTERNATIONAL COOPERATION AGENCY

CHIEF ENGINEER (ROADS)
CHIEF SUPT. ENG. (DESIGN)

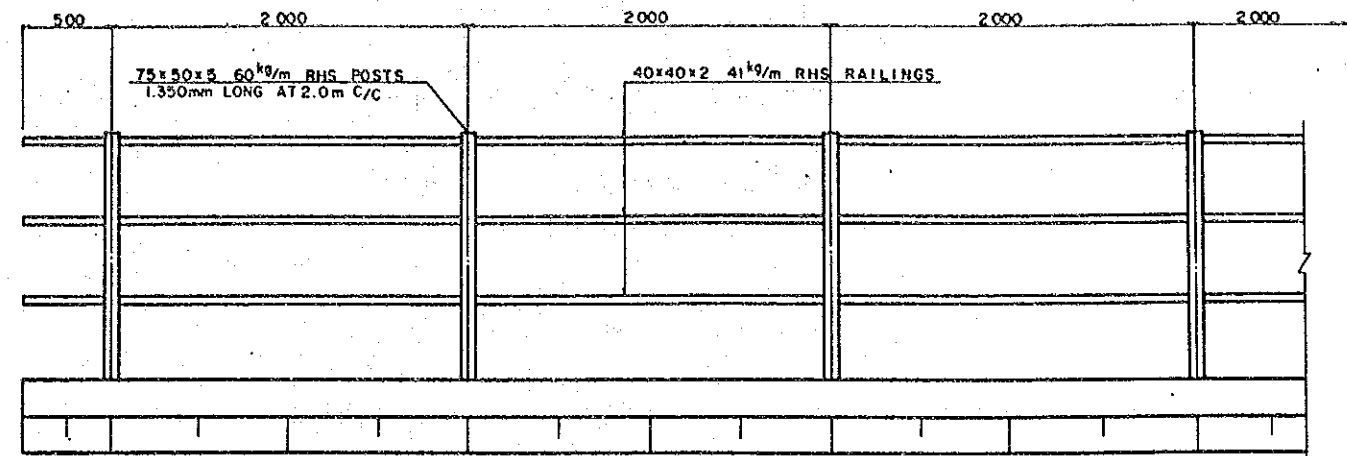
SEN SUPT. ENG. (DESIGN)
SUPT. ENGINEER (DESIGN)
PROJECT ENGINEER

SCALES
1:50

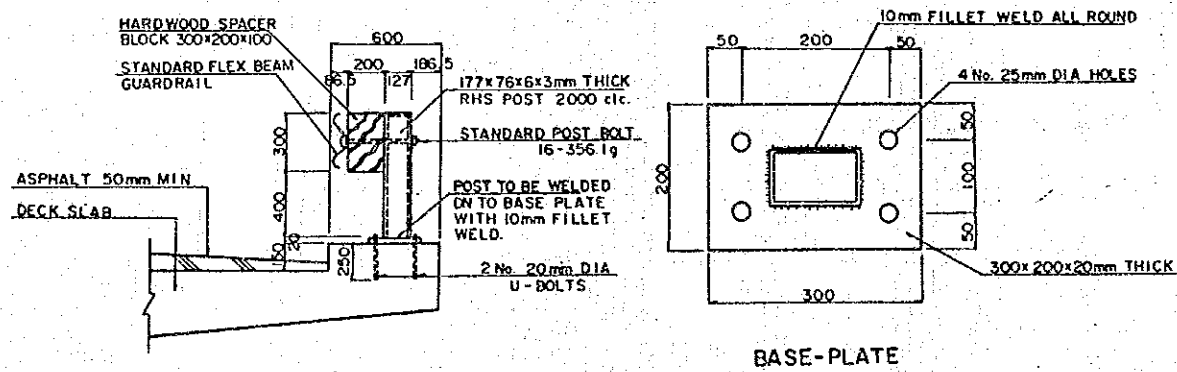
NAIROBI BYPASS
OVER BRIDGE (2) W-10a ON 270m x 90m
ABUTMENTS (A1, A2) (2)



PROFILE SCALE 1:20

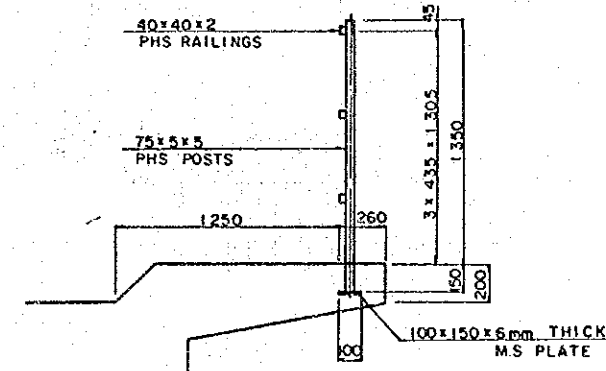


PROFILE SCALE 1:20



CROSS SECTION SCALE 1:20

VEHICLE BRIDGE PARAPET



CROSS SECTION SCALE 1:20

RAILWAY BRIDGE PARAPET

SURVEYED BY
 MAPPING BY
 AERIAL PHOTO BY
 TRACED BY
 LOCATION BY
 CHECKED BY

M.O.P.W. ROADS DEPT. DRG. NO.

REVISIONS	
DESCRIPTION	DATE

JAPAN INTERNATIONAL COOPERATION AGENCY

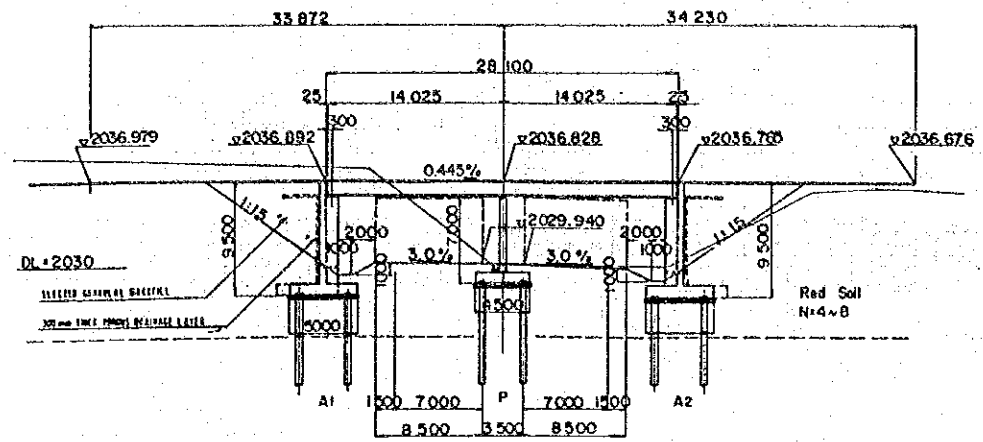
CHIEF ENGINEER (ROADS)
 CHIEF SUPT. ENG. (DESIGN)

SEN. SUPT. ENG. (DESIGN)
 SUPT. ENGINEER (DESIGN)
 PROJECT ENGINEER

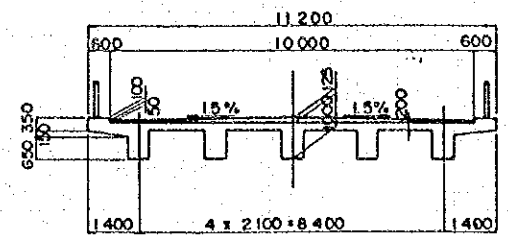
SCALES
 1:20

NAIROBI BYPASS
 OVER BRIDGE (I) 8-4a CH 151+280
 PARAPET

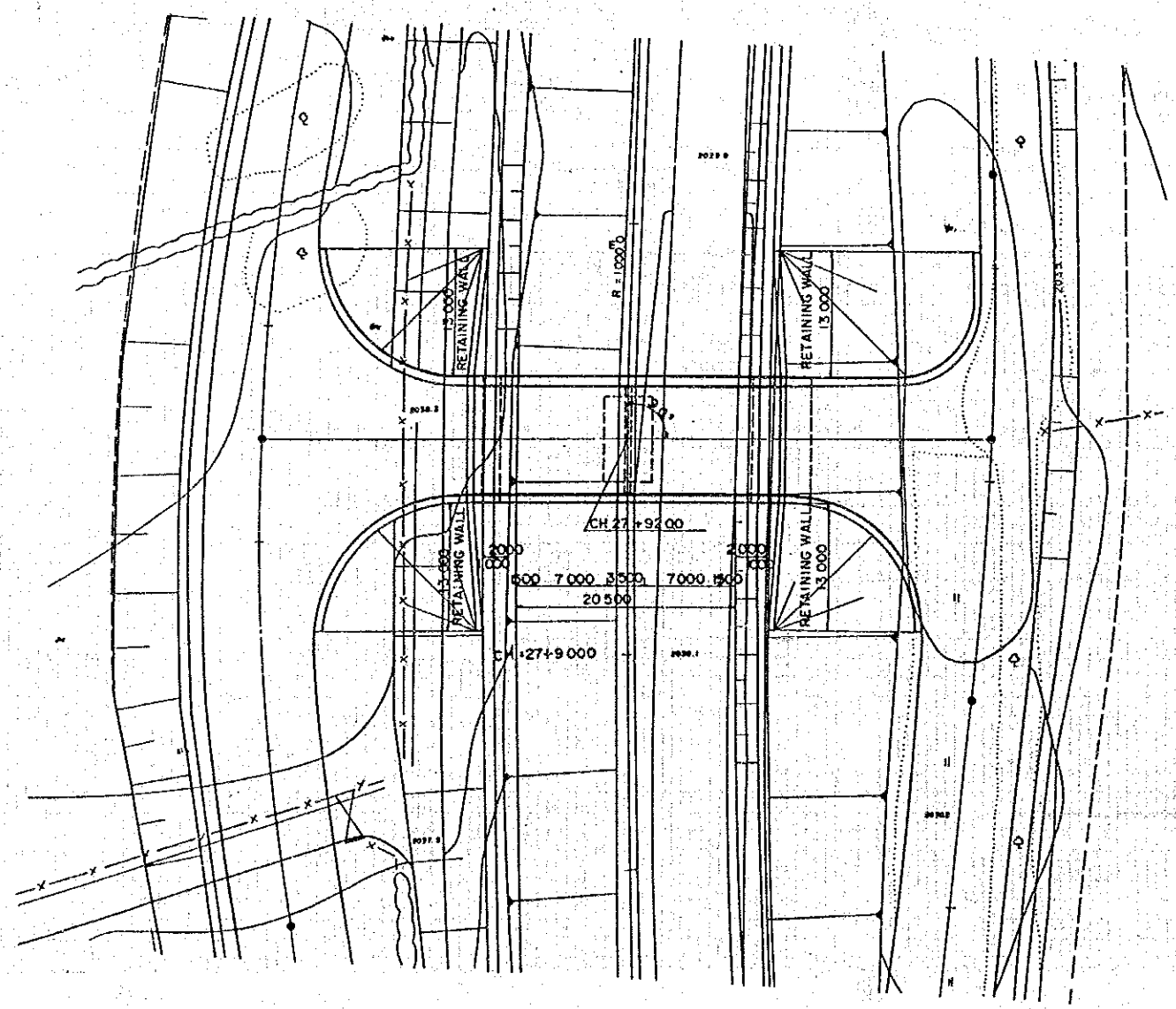
P
 SHEET 28 OF 45



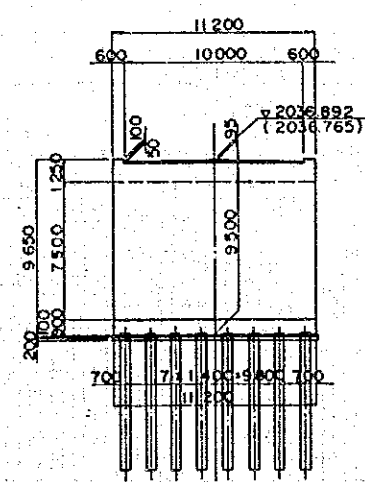
PROFILE SCALE 1:300



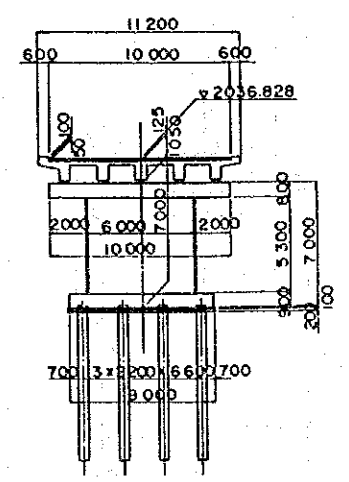
SUPER STRUCTURE SCALE 1:100



PLAN SCALE 1:300

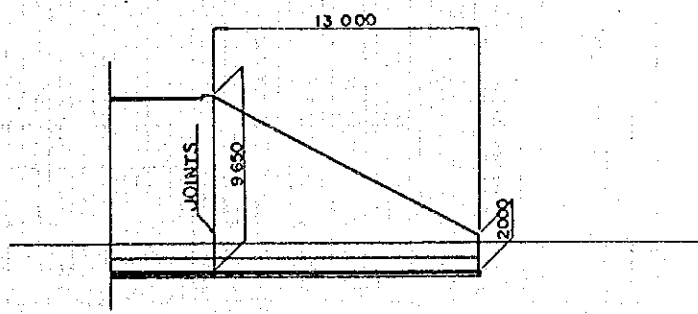


ABUTMENT A1 (A2)

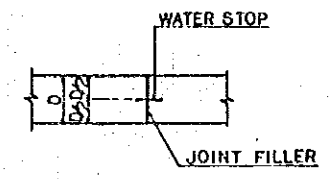


PIER

SUB STRUCTURE SCALE 1:200



RETAINING WALL



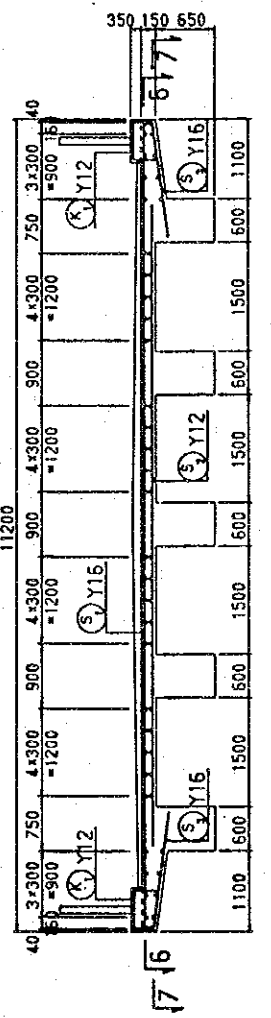
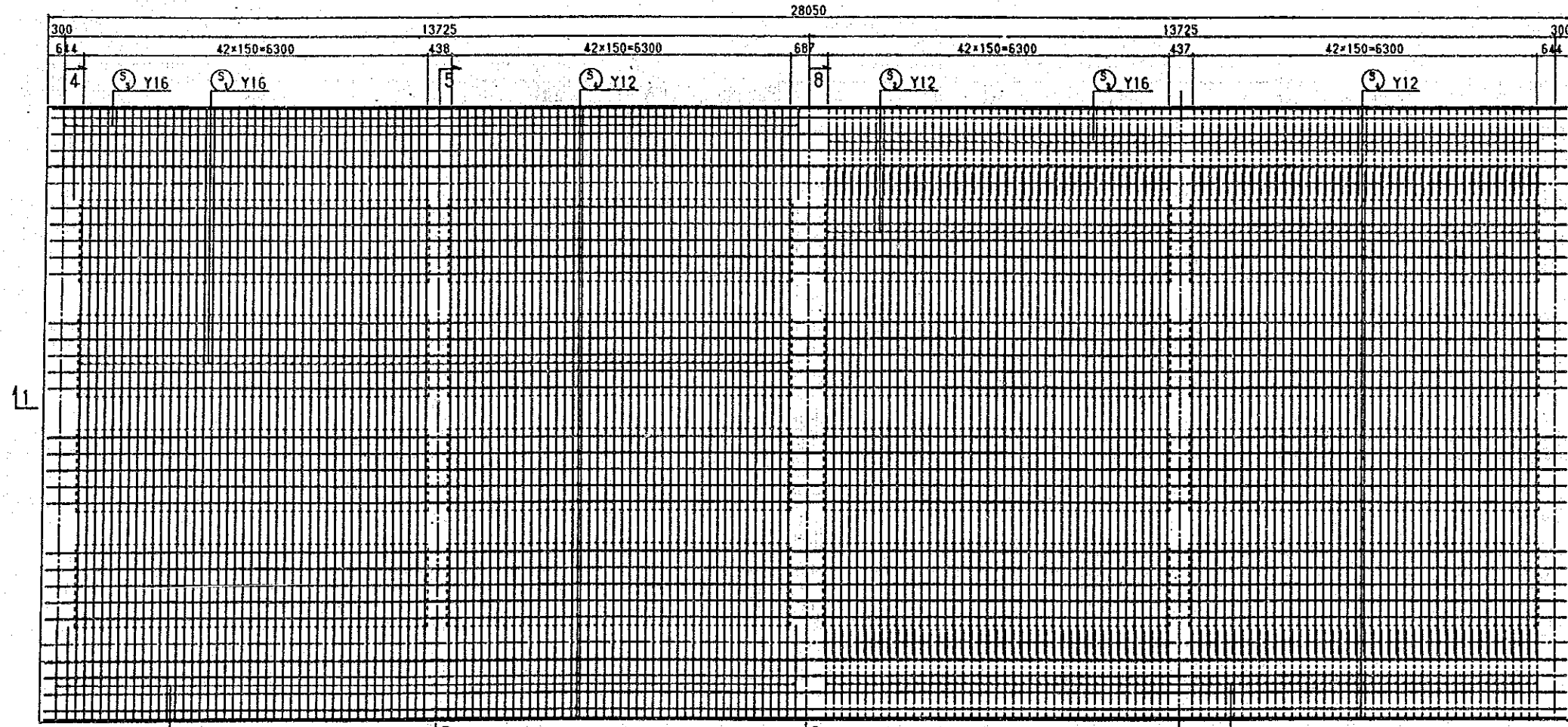
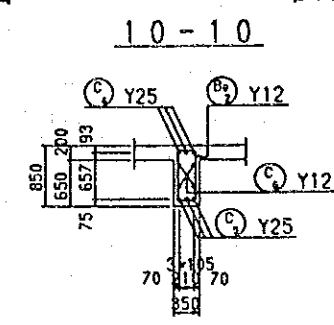
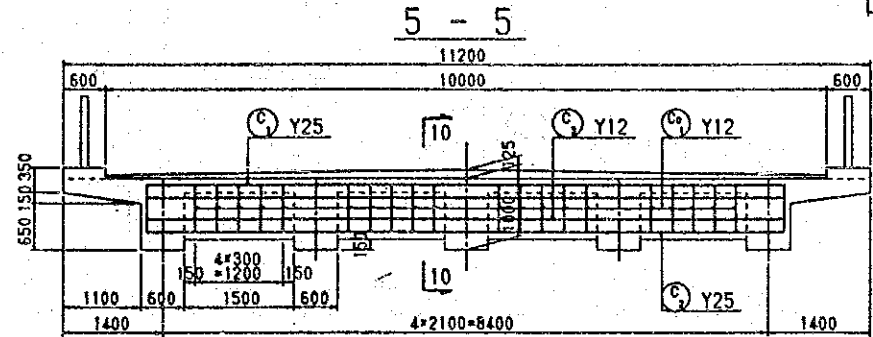
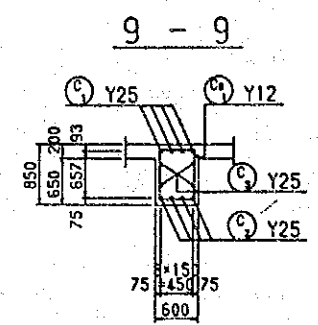
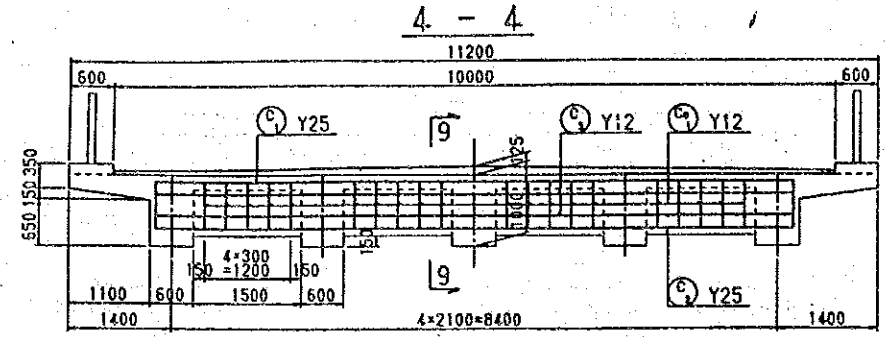
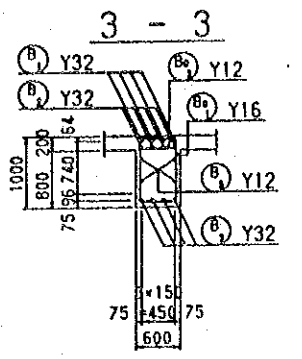
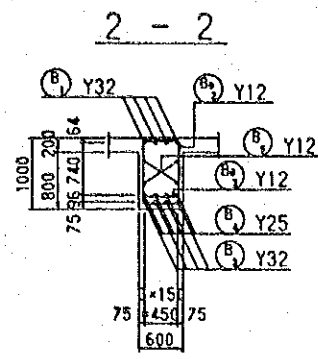
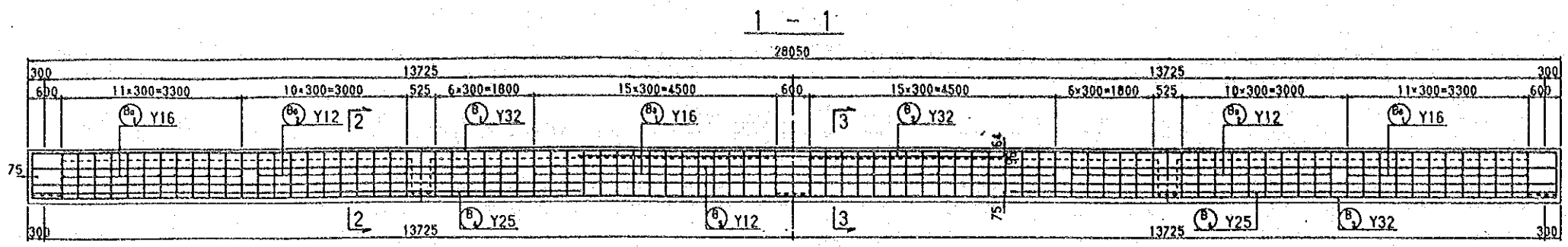
DETAIL OF JOINTS

NO 2 VEHICLE BRIDGE

SURVEYED BY	
TRACED BY	
CHECKED BY	
AERIAL PHOTO BY	
MAPPING BY	
LOCATION BY	

M.O.P.W. ROADS DEPT. DRG. NO.

REVISIONS		JAPAN INTERNATIONAL COOPERATION AGENCY	CHIEF ENGINEER (ROADS)	SEN SUPT. ENG (DESIGN)	SCALES	NAIROBI BYPASS OVER BRIDGE (2) 9+100 CH 27+920 GENERAL VIEW	P
DESCRIPTION	DATE		CHIEF SUPT. ENG (DESIGN)	SUPT. ENGINEER (DESIGN)	AS SHOWN		
				PROJECT ENGINEER			SHEET 29 OF 45



AERIAL PHOTO BY _____ SURVEYED BY _____
 MAPPING BY _____ TRACED BY _____
 LOCATION BY _____ CHECKED BY _____

M.O.P.W. ROADS DEPT DRG NO.

REVISIONS	
DESCRIPTION	DATE

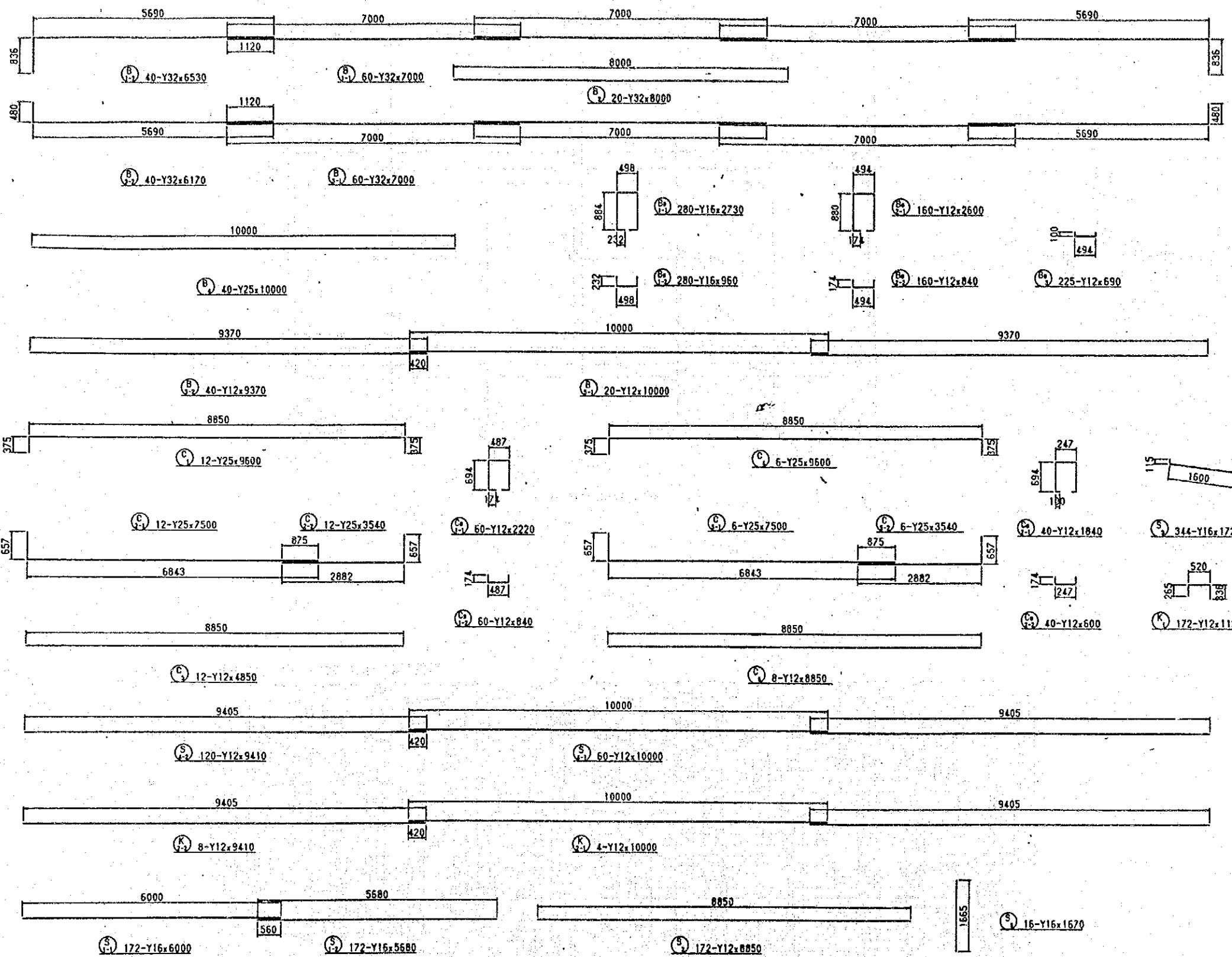
JAPAN INTERNATIONAL COOPERATION AGENCY
 CHIEF ENGINEER (ROADS)
 CHIEF SUPT ENG (DESIGN)

SEN SUPT. ENG (DESIGN)
 SUPT ENGINEER (DESIGN)
 PROJECT ENGINEER

SCALES
 1:50

NAIROBI BYPASS
 OVER BRIDGE(2) 9-10a CR 511a/820
 SUPERSTRUCTURE (2)

SURVEYED BY
 TRACED BY
 CHECKED BY
 AERIAL PHOTO BY
 MAPPING BY
 LOCATION BY
 M.O.P.W. ROADS DEPT. DRG. NO.



REVISIONS	
DESCRIPTION	DATE

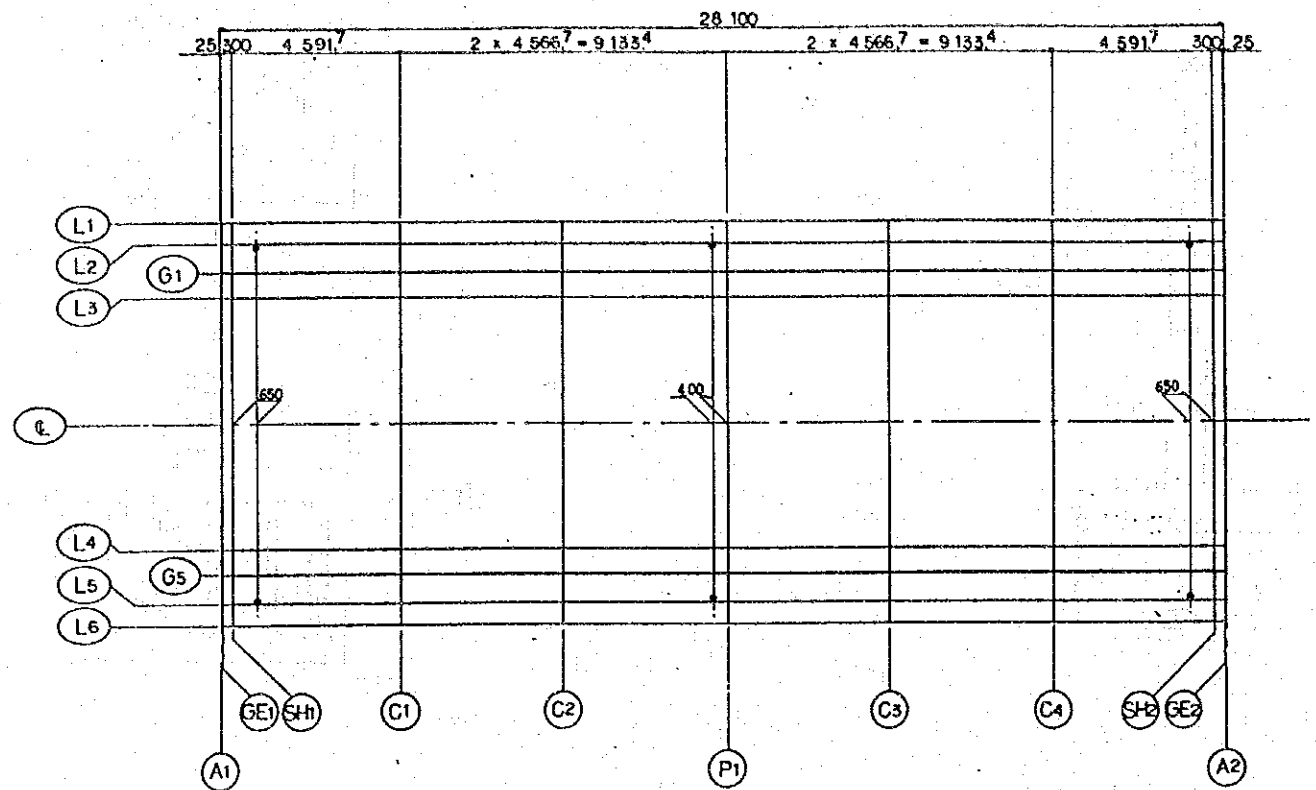
JAPAN INTERNATIONAL
 COOPERATION AGENCY

CHIEF ENGINEER (ROADS)
 CHIEF SUPT ENG (DESIGN)

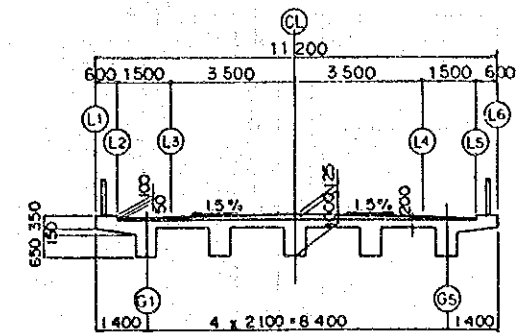
SEN SUPT ENG (DESIGN)
 SUPT ENGINEER (DESIGN)
 PROJECT ENGINEER

SCALES
 1:50

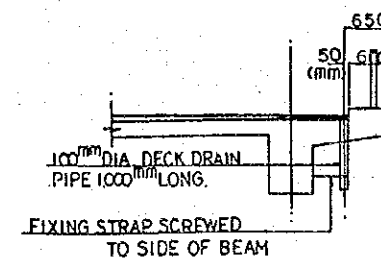
NAIROBI BYPASS
 OVER BRIDGE(S) W-10a EN 27a+020
 SUPERSTRUCTURE (1)



PLAN SCALE 1:100



SECTION SCALE 1:100

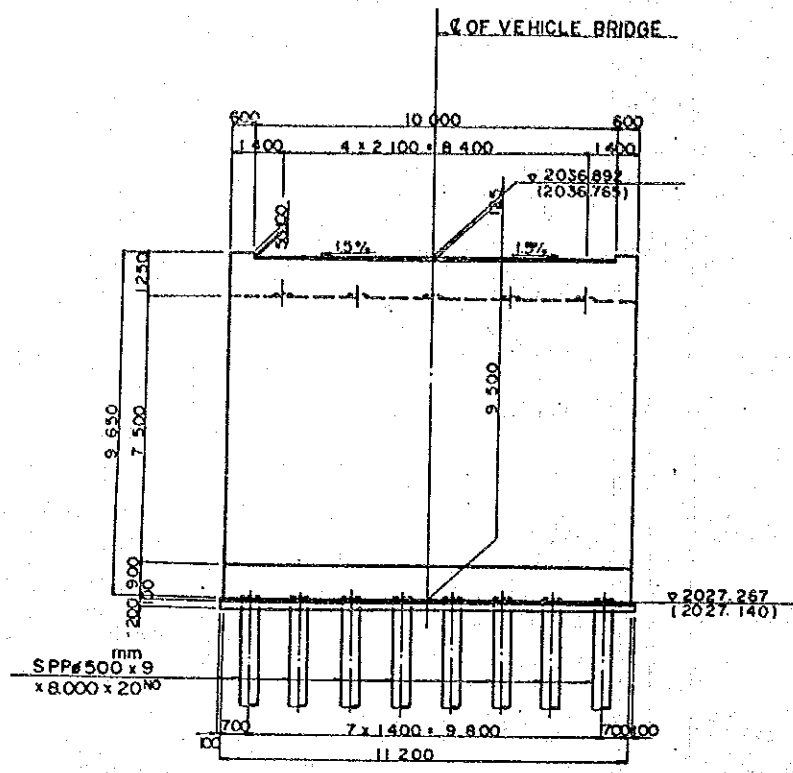


COORDINATES AND PROPORTION HEIGHT

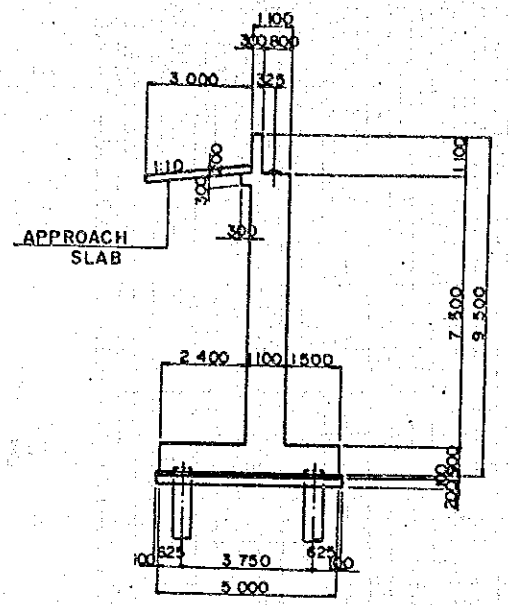
	A1	GE1	SH1	C1	C2	P1	C3	C4	SH2	GE2	A2
L1	X 63238.8280	63238.8210	63238.7374	63237.4587	63236.1869	63234.9151	63233.4432	63232.3714	63231.0927	63231.0091	63231.0022
	Y 240157.2518	240157.2758	240157.5639	240161.9730	240166.3599	240170.7459	240175.1319	240179.5180	240183.9279	240184.2160	240184.2400
	Z 2036.8170	2036.8169	2036.8155	2036.7948	2036.7741	2036.7535	2036.7329	2036.7122	2036.6915	2036.6901	2036.6900
L2	X 63238.2517	63238.2447	63238.1612	63236.8824	63235.6106	63234.3388	63233.0670	63231.7952	63230.5164	63230.4329	63230.4259
	Y 240157.0847	240157.1087	240157.3968	240161.8068	240166.1928	240170.5788	240174.9648	240179.3509	240183.7608	240184.0489	240184.0729
	Z 2036.8170	2036.8169	2036.8155	2036.7948	2036.7741	2036.7535	2036.7329	2036.7122	2036.6915	2036.6901	2036.6900
G1	X 63237.4833	63237.4764	63237.3928	63236.1141	63234.8423	63233.5704	63232.2986	63231.0268	63229.7481	63229.6645	63229.6575
	Y 240156.8619	240156.8859	240157.1740	240161.5840	240165.9700	240170.3560	240174.7420	240179.1281	240183.5380	240183.8261	240183.8501
	Z 2036.8290	2036.8289	2036.8275	2036.8068	2036.7861	2036.7655	2036.7449	2036.7242	2036.7035	2036.7021	2036.7020
L3	X 63236.8110	63236.8041	63235.7205	63235.4418	63234.1700	63232.8981	63231.6263	63230.3545	63229.0757	63228.9922	63228.9852
	Y 240156.6669	240156.6909	240156.9791	240161.3890	240165.7750	240170.1611	240174.5471	240178.9331	240183.3431	240183.6312	240183.6552
	Z 2036.8395	2036.8394	2036.8380	2036.8173	2036.7966	2036.7760	2036.7554	2036.7347	2036.7140	2036.7126	2036.7125
CL	X 63233.4495	63233.4425	63233.3590	63232.0802	63230.8084	63229.5366	63228.2648	63226.9930	63225.7142	63225.6307	63225.6237
	Y 240155.6922	240155.7162	240156.0043	240160.4143	240164.8003	240169.1863	240173.5723	240177.9584	240182.3683	240182.6564	240182.6805
	Z 2036.8920	2036.8919	2036.8905	2036.8698	2036.8491	2036.8285	2036.8079	2036.7872	2036.7665	2036.7651	2036.7650
L4	X 63230.0880	63230.0810	63229.9975	63228.7187	63227.4469	63226.1751	63224.9033	63223.6314	63222.3527	63222.2691	63222.2622
	Y 240154.7174	240154.7415	240155.0296	240159.4395	240163.8256	240168.2116	240172.5976	240176.9836	240181.3936	240181.6817	240181.7057
	Z 2036.8395	2036.8394	2036.8380	2036.8173	2036.7966	2036.7760	2036.7554	2036.7347	2036.7140	2036.7126	2036.7125
G5	X 63229.4157	63229.4087	63229.3252	63228.0464	63226.7746	63225.5028	63224.2310	63222.9591	63221.6804	63221.5968	63221.5899
	Y 240154.5225	240154.5465	240154.8346	240159.2445	240163.6306	240168.0166	240172.4027	240176.7887	240181.1986	240181.4868	240181.5108
	Z 2036.8290	2036.8289	2036.8275	2036.8068	2036.7861	2036.7655	2036.7449	2036.7242	2036.7035	2036.7021	2036.7020
L5	X 63228.6473	63228.6404	63228.5568	63227.2781	63226.0062	63224.7344	63223.4626	63222.1908	63220.9120	63220.8285	63220.8215
	Y 240154.2997	240154.3237	240154.6118	240159.0218	240163.4078	240167.7938	240172.1799	240176.5659	240180.9758	240181.2640	240181.2880
	Z 2036.8170	2036.8169	2036.8155	2036.7948	2036.7741	2036.7535	2036.7329	2036.7122	2036.6915	2036.6901	2036.6900
L6	X 63228.0711	63228.0641	63227.9806	63226.7018	63225.4300	63224.1582	63222.8863	63221.6145	63220.3358	63220.2522	63220.2453
	Y 240154.1326	240154.1566	240154.4447	240158.8547	240163.2407	240167.6267	240172.0128	240176.3988	240180.8087	240181.0969	240181.1209
	Z 2036.8170	2036.8169	2036.8155	2036.7948	2036.7741	2036.7535	2036.7329	2036.7122	2036.6915	2036.6901	2036.6900

AERIAL PHOTO BY _____ SURVEYED BY _____
 MAPPING BY _____ TRACED BY _____
 LOCATION BY _____ CHECKED BY _____
 M.O.P.W. ROADS DEPT. DRG. NO. _____

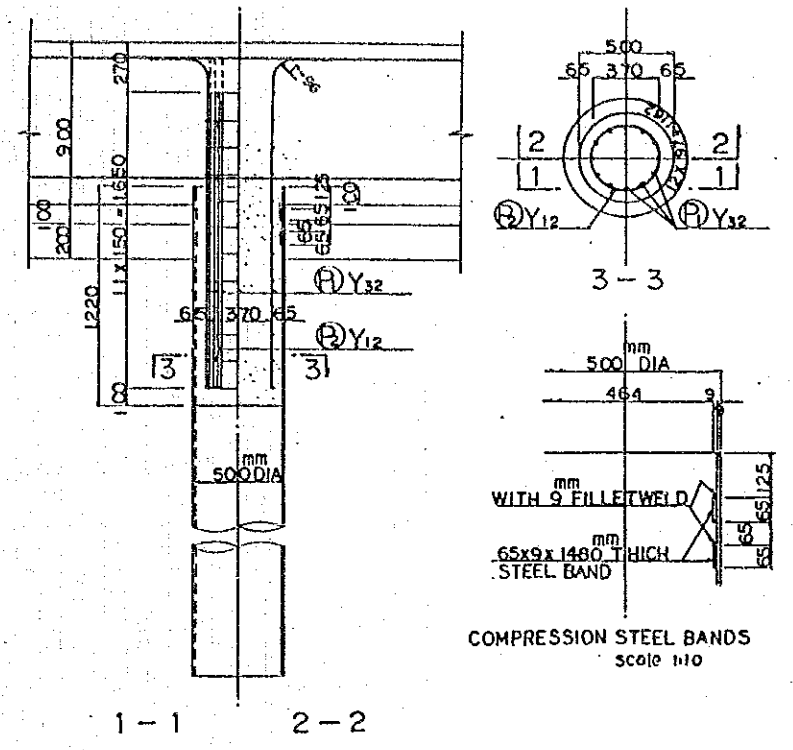
REVISIONS DESCRIPTION DATE		JAPAN INTERNATIONAL COOPERATION AGENCY	CHIEF ENGINEER (ROADS) CHIEF SUPT. ENG. (DESIGN)	SEN. SUPT. ENG. (DESIGN) SUPT. ENGINEER (DESIGN) PROJECT ENGINEER	SCALES 1:100	NAIROBI BYPASS <small>OVER BRIDGE(S) W-10a CH 37a-37b SUPERSTRUCTURE (3)</small>	P SHEET 32 OF 45
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FRONT VIEW



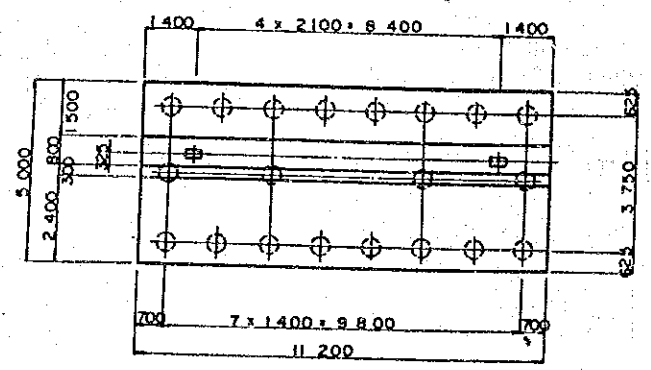
SIDE VIEW



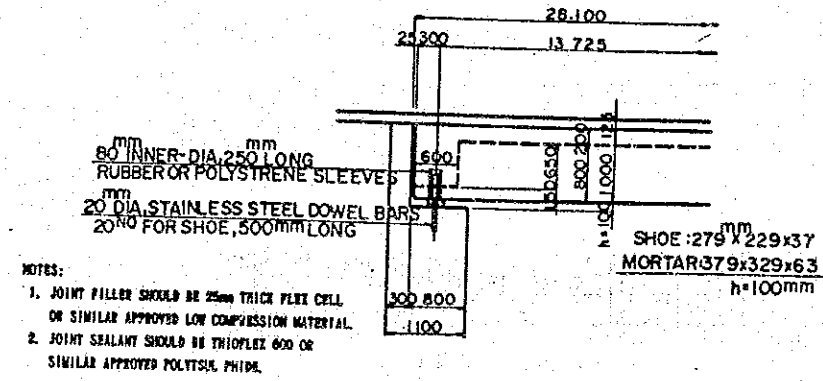
DETAIL OF PILE HEAD SCALE 1:20

MATERIAL FOR ONE PILE-HEAD

CONCRETE	$0.482^2 \times 3.1416 \times 1.22 / 4$	$\cdot 0.223 \text{ m}^3$	(CLASS:25)
REINFORCED BAR			
$\textcircled{Y}32$	$6.313 \times 2.000 \times 12$	$= 151$	kg
$\textcircled{Y}12$	$0.888 \times 1.720 \times 12$	$= 18$	kg
STEEL BAND	$(65 \times 9 \times 1480 \times 2)$	$= 14$	kg



PLAN - ABUTMENT A1 (A2)



ABUTMENT (Mov)

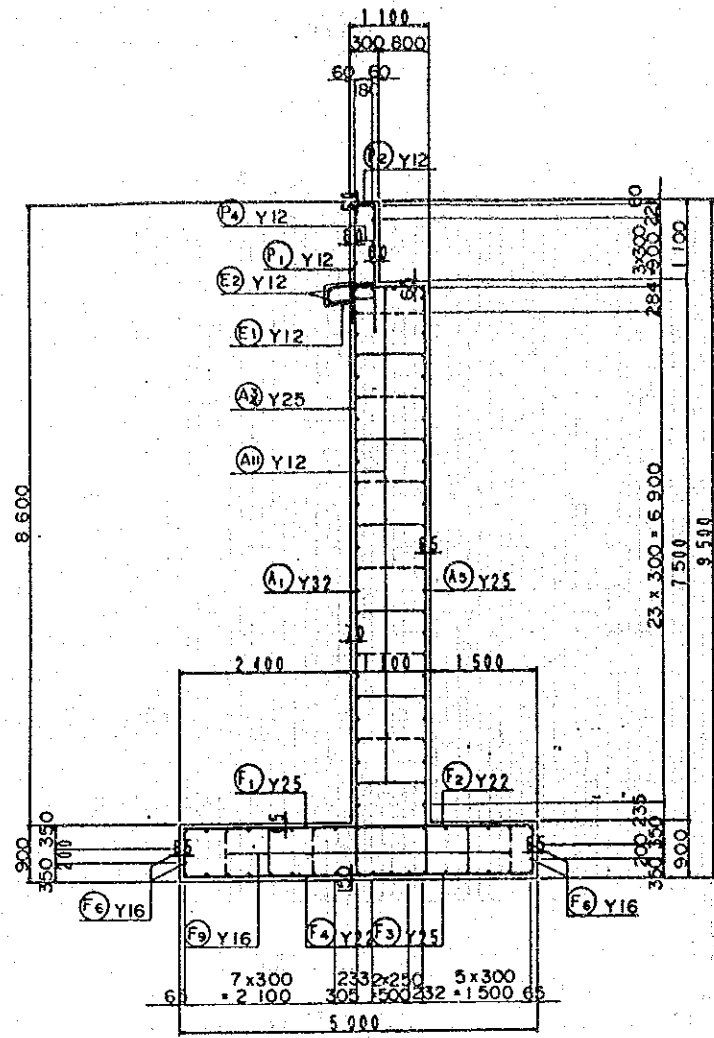
- NOTES:
1. JOINT FILLER SHOULD BE 25mm THICK FLEX CELL OR SIMILAR APPROVED LOW COMPRESSION MATERIAL.
 2. JOINT SEALANT SHOULD BE THIOFLEX 600 OR SIMILAR APPROVED POLYURETHANE.

SURVEYED BY
 TRACED BY
 CHECKED BY
 AERIAL PHOTO BY
 MAPPING BY
 LOCATION BY
 M.O.P.W. ROADS DEPT. DRG. NO.

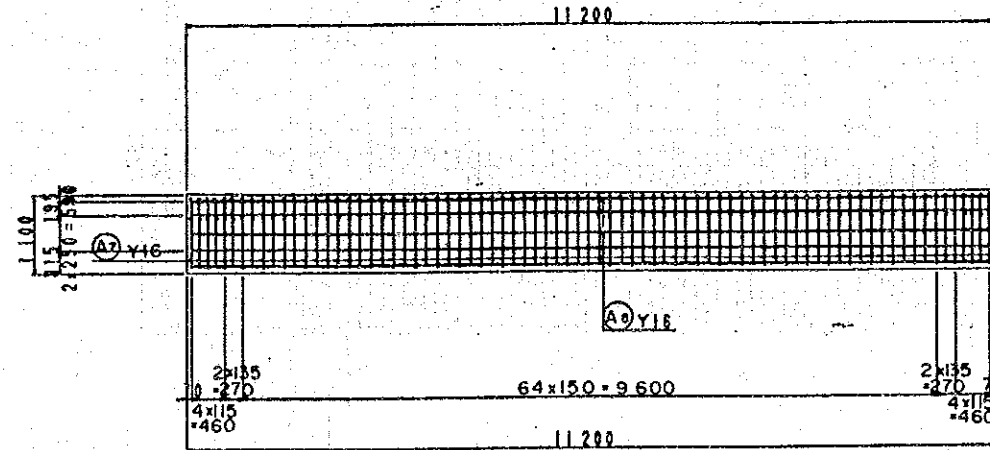
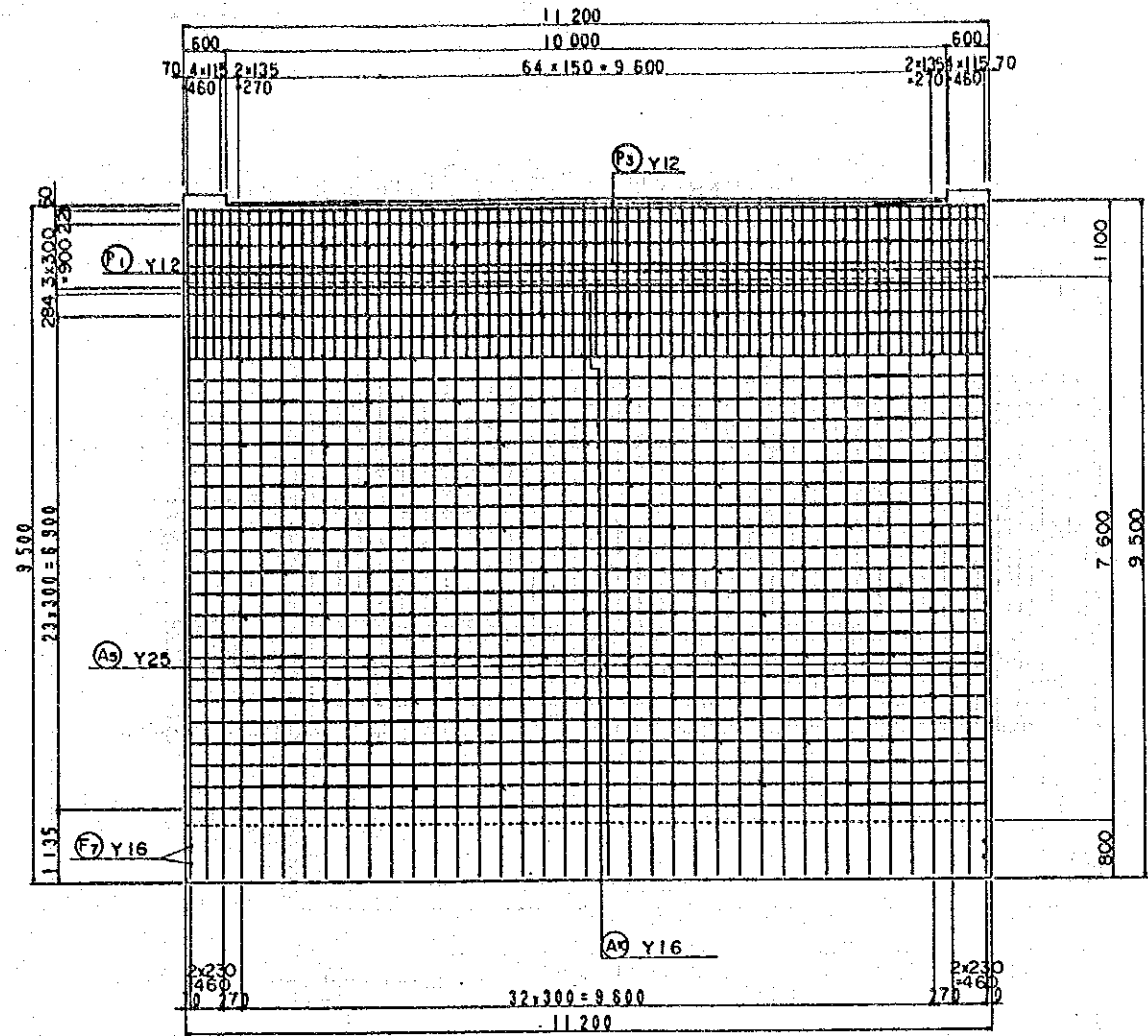
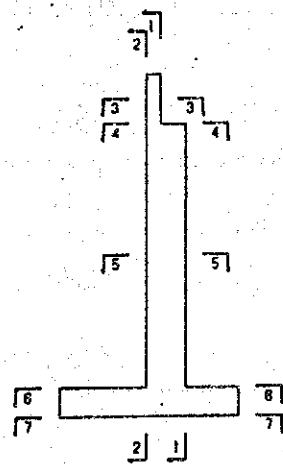
REVISIONS		JAPAN INTERNATIONAL COOPERATION AGENCY	CHIEF ENGINEER (ROADS)	SEN SUPT. ENG (DESIGN)	SCALES	NAIROBI BYPASS	P
DESCRIPTION	DATE						
				PROJECT ENGINEER		ABUTMENTS (A1, A2) (1)	

AERIAL PHOTO BY	SURVEYED BY
MAPPING BY	TRACED BY
LOCATION BY	CHECKED BY

M.C.P.W. ROADS DEPT DRG NO.



SECTION



3 - 3

4 - 4

REVISIONS	
DESCRIPTION	DATE

JAPAN INTERNATIONAL COOPERATION AGENCY

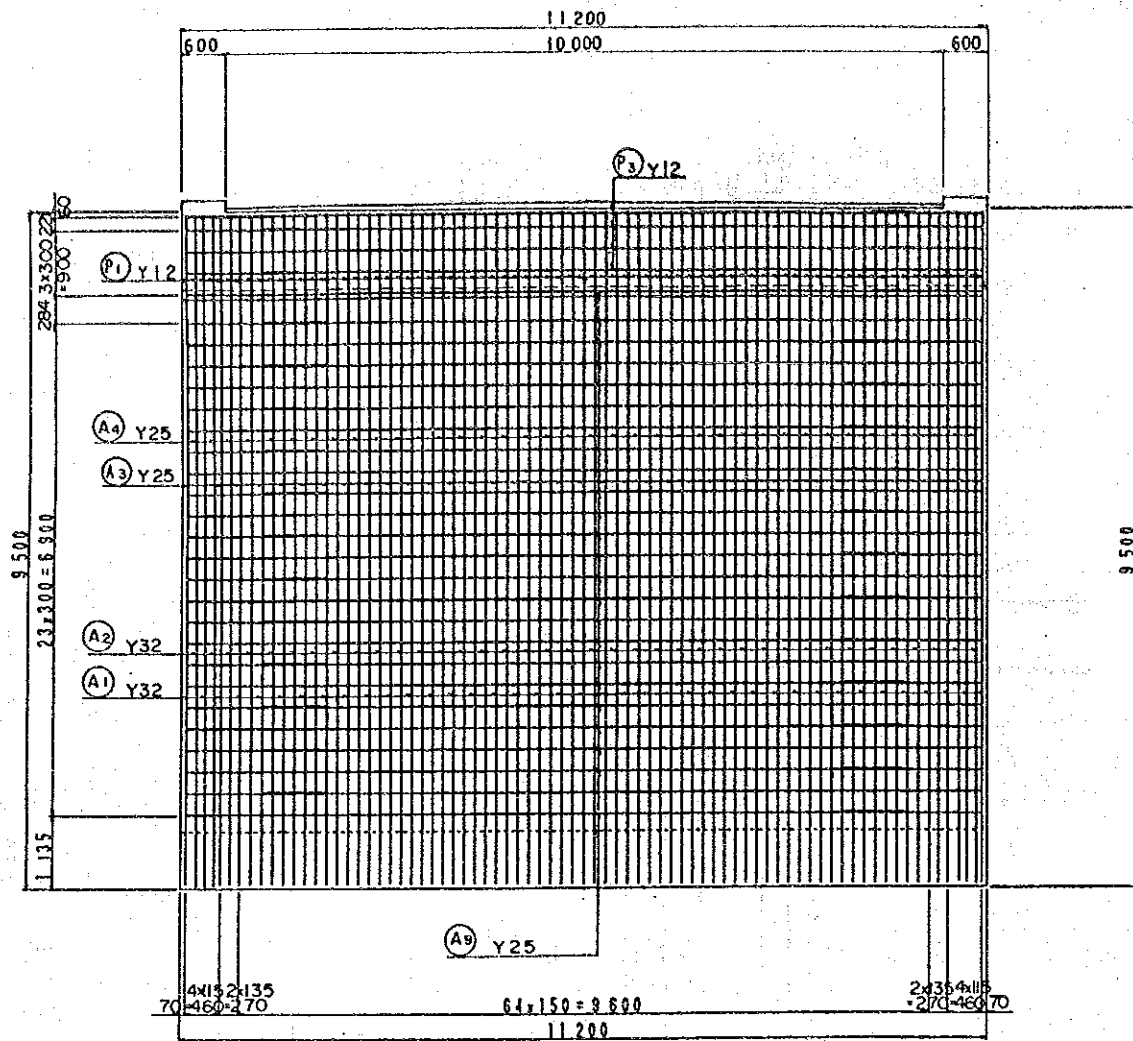
CHIEF ENGINEER (ROADS)
CHIEF SUPT ENG (DESIGN)

SEN SUPT. ENG. (DESIGN)
SUPT ENGINEER (DESIGN)
PROJECT ENGINEER

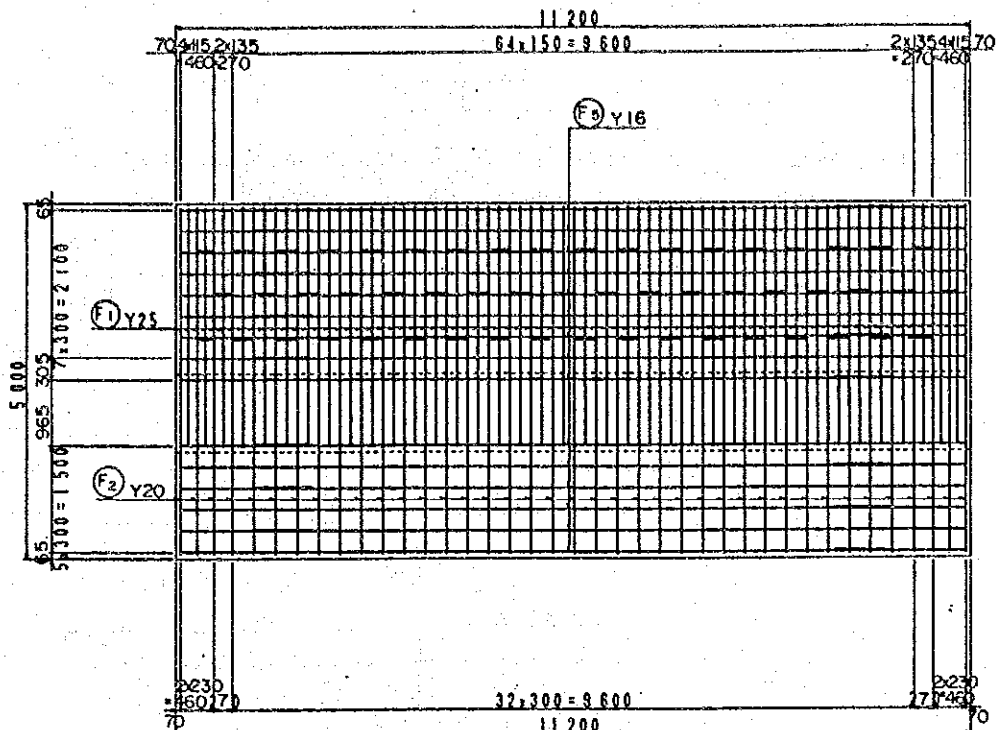
SCALES
1:50

NAIROBI BYPASS
OVER BRIDGE(S) W-10m CB 27A-1920
ABUTMENTS (A1, A2) (2)

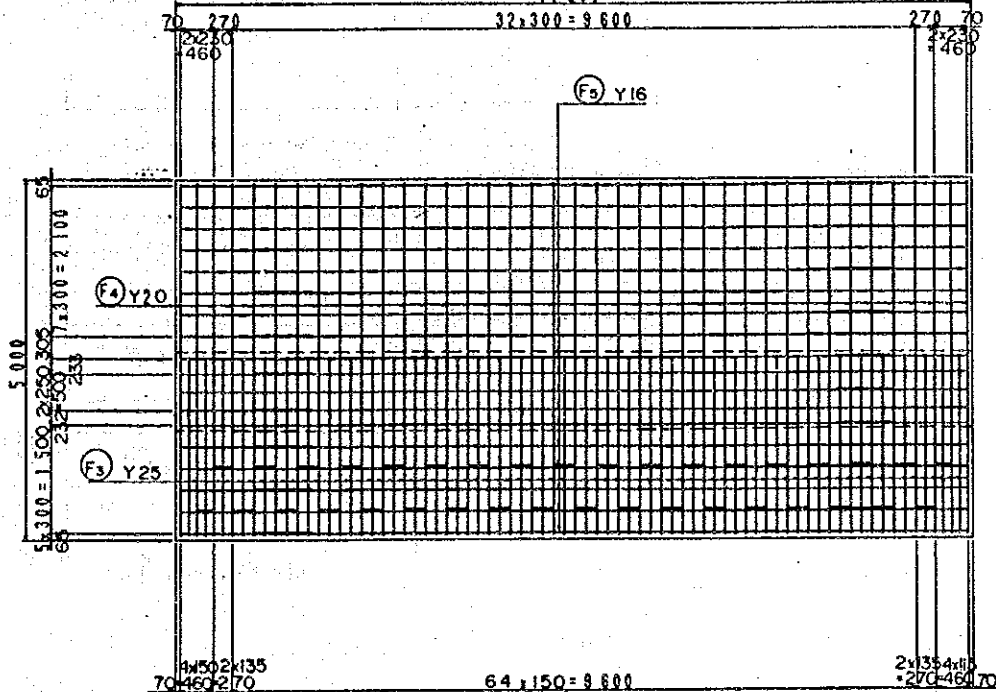
P
SHEET 34 OF 45



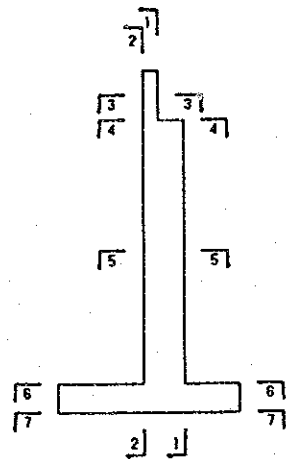
2 - 2



6 - 6



7 - 7



AERIAL PHOTO BY
MAPPING BY
LOCATION BY

M.O.P.W. ROADS DEPT DRG NO.

REVISIONS	
DESCRIPTION	DATE

JAPAN INTERNATIONAL
COOPERATION AGENCY

CHIEF ENGINEER (ROADS)
CHIEF SUPT ENG (DESIGN)

SEN SUPT. ENG. (DESIGN)
SUPT ENGINEER (DESIGN)
PROJECT ENGINEER

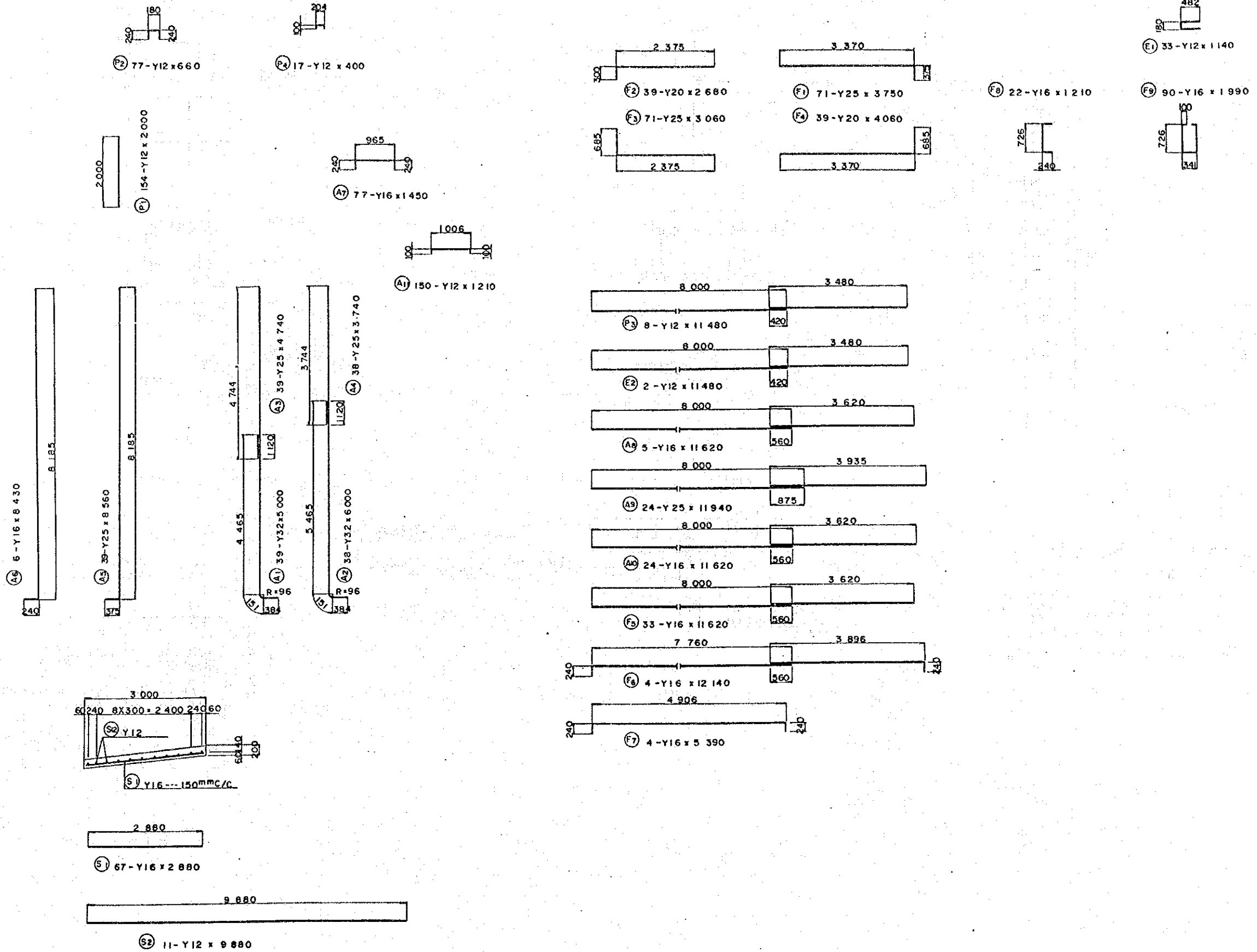
SCALES
1:50

NAIROBI BYPASS
OVER BRIDGE(S) 0-10+00 TO 27+00
APARTMENTS (A1, A2) (S)

P
SHEET 35 OF 45

AERIAL PHOTO BY
 MAPPING BY
 LOCATION BY

M.O.P.W. ROADS DEPT. DRG. NO.



REVISIONS	
DESCRIPTION	DATE

JAPAN INTERNATIONAL
 COOPERATION AGENCY

CHIEF ENGINEER (ROADS)
 CHIEF SUPT. ENG. (DESIGN)

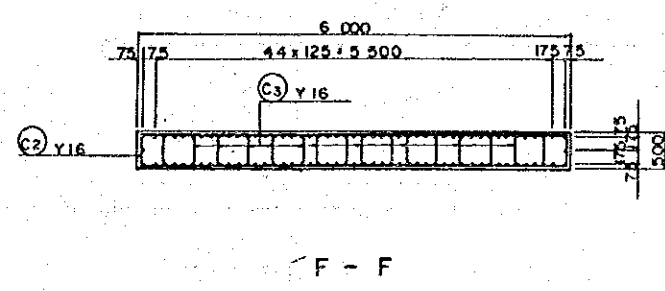
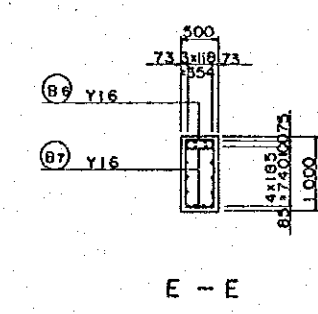
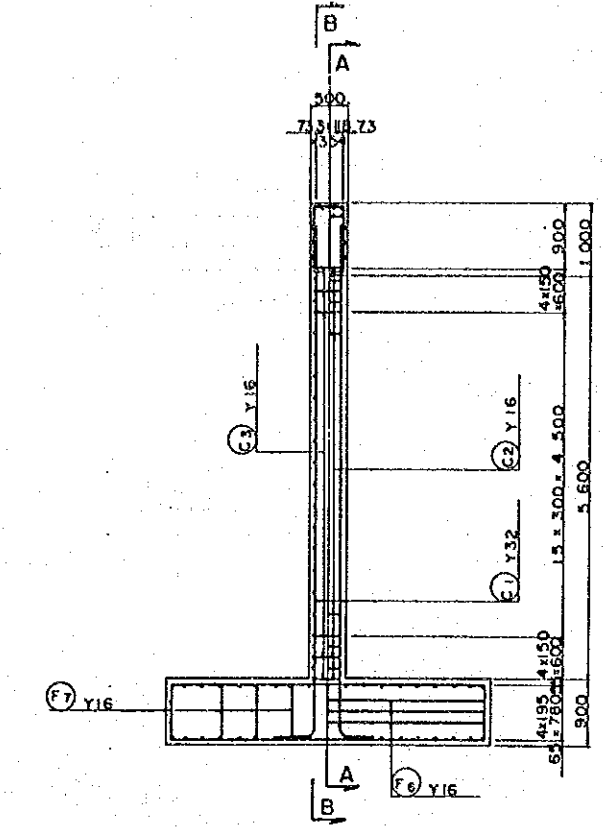
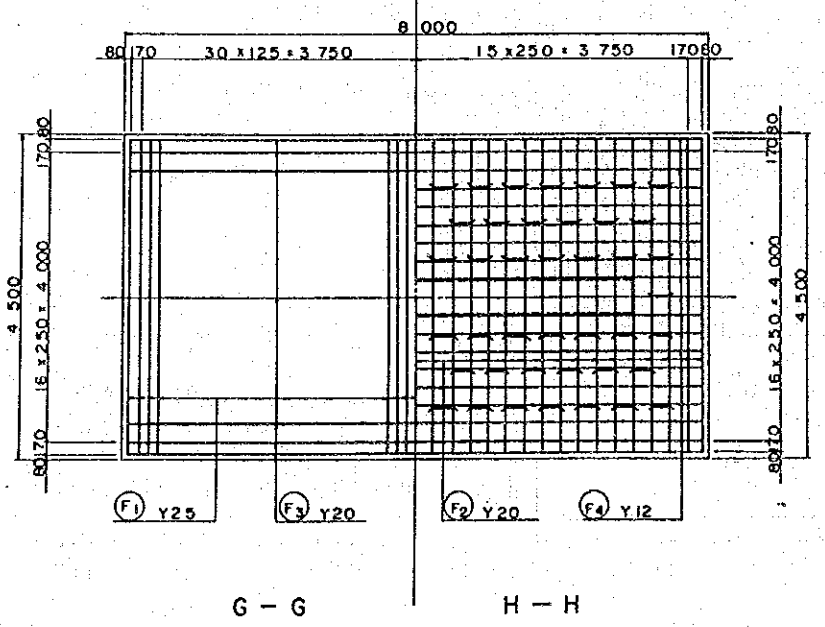
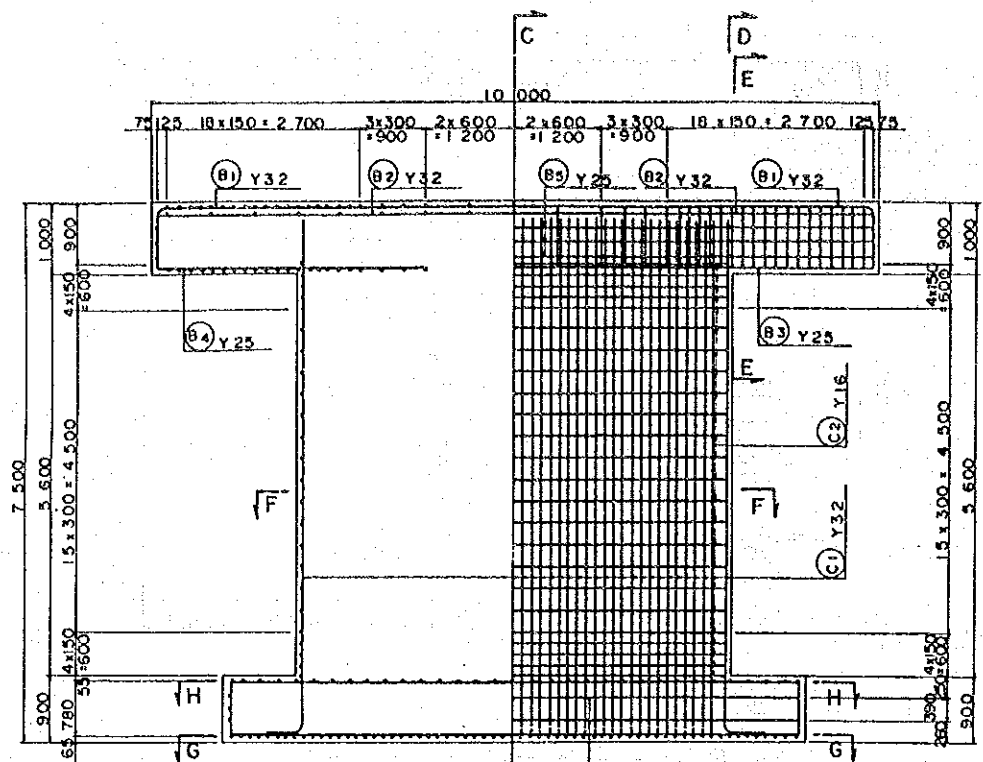
SEN. SUPT. ENG. (DESIGN)
 SUPT. ENGINEER (DESIGN)
 PROJECT ENGINEER

SCALES
 1:50

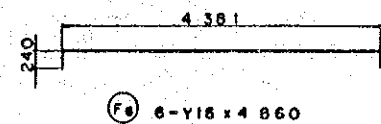
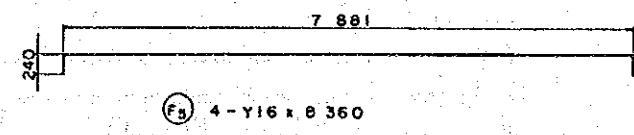
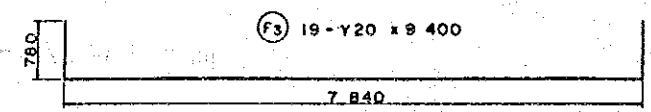
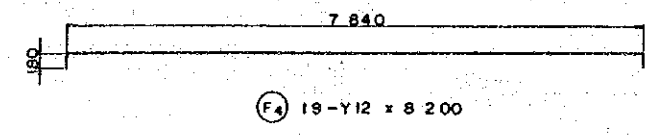
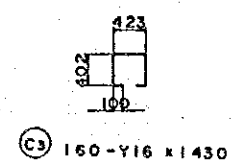
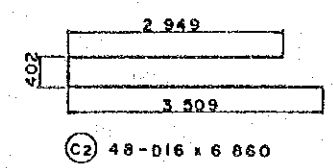
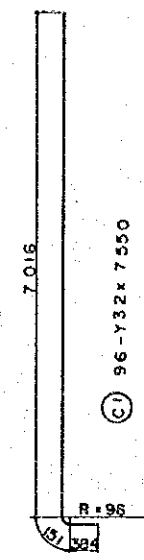
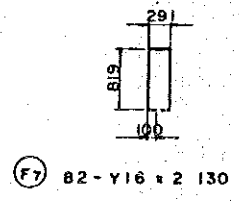
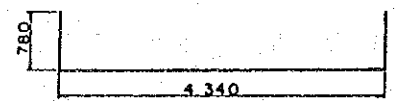
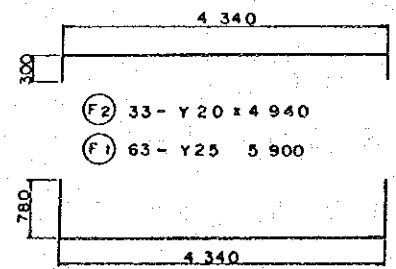
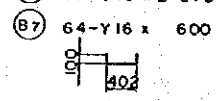
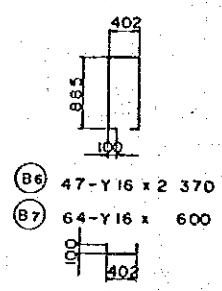
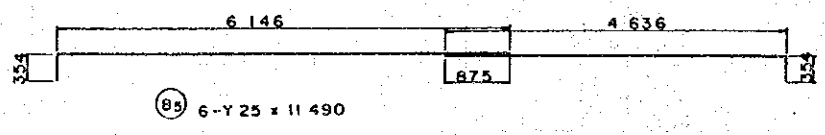
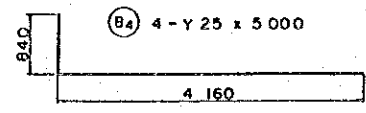
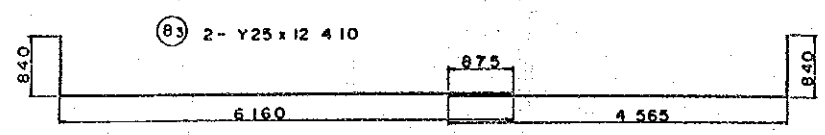
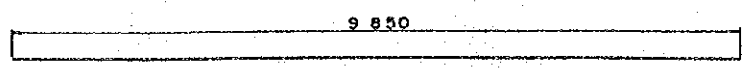
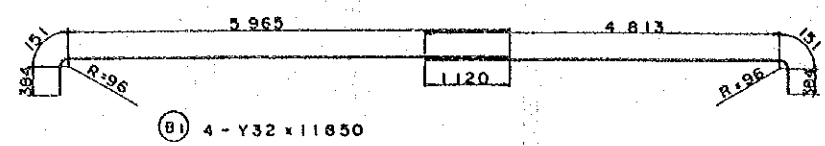
NAIROBI BYPASS
 OVER BRIDGE(S) W-10a CR 375+920
 ABUTMENTS (A1, A2) (A)

SURVEYED BY
 TRACED BY
 CHECKED BY
 AERIAL PHOTO BY
 MAPPING BY
 LOCATION BY

MOPW ROADS DEPT DRG NO.



REVISIONS		JAPAN INTERNATIONAL COOPERATION AGENCY	CHIEF ENGINEER (ROADS)	SEN SUPT. ENG (DESIGN)	SCALES	NAIROBI BYPASS	P
DESCRIPTION	DATE						
			CHIEF SUPT. ENG (DESIGN)		1:50	OVER BRIDGE (2) V=10m CB 21km+820 PIER (2)	SHEET 38 OF 45



AERIAL PHOTO BY	SURVEYED BY
MAPPING BY	TRACED BY
LOCATION BY	CHECKED BY

M.O.P.W. ROADS DEPT. DRG. NO.

REVISIONS	
DESCRIPTION	DATE

JAPAN INTERNATIONAL COOPERATION AGENCY

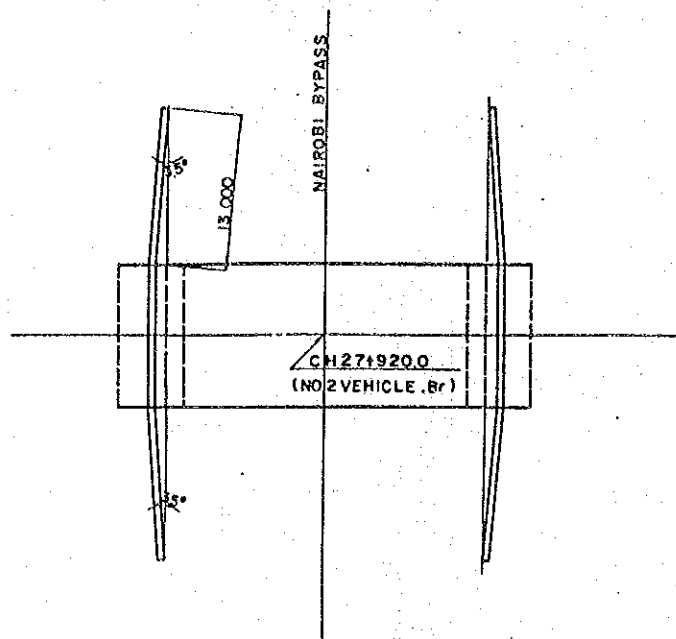
CHIEF ENGINEER (ROADS)
SPT ENGINEER (DESIGN)
CHIEF SPT ENG. (DESIGN)

SEN SUPT ENG. (DESIGN)
SPT ENGINEER (DESIGN)
PROJECT ENGINEER

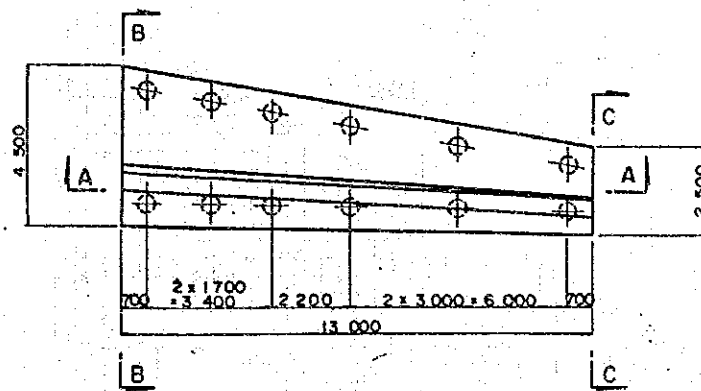
SCALES
1:50

NAIROBI BYPASS
OVER BRIDGE(2) W-10+CM 275+920
PIER (3)

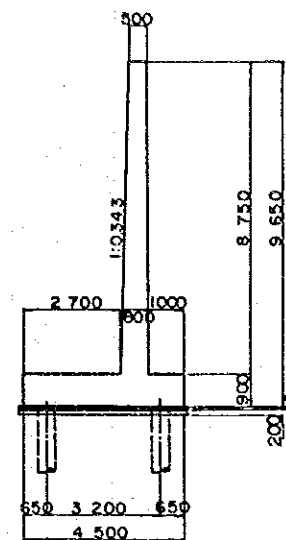
P
SHEET 39 OF 45



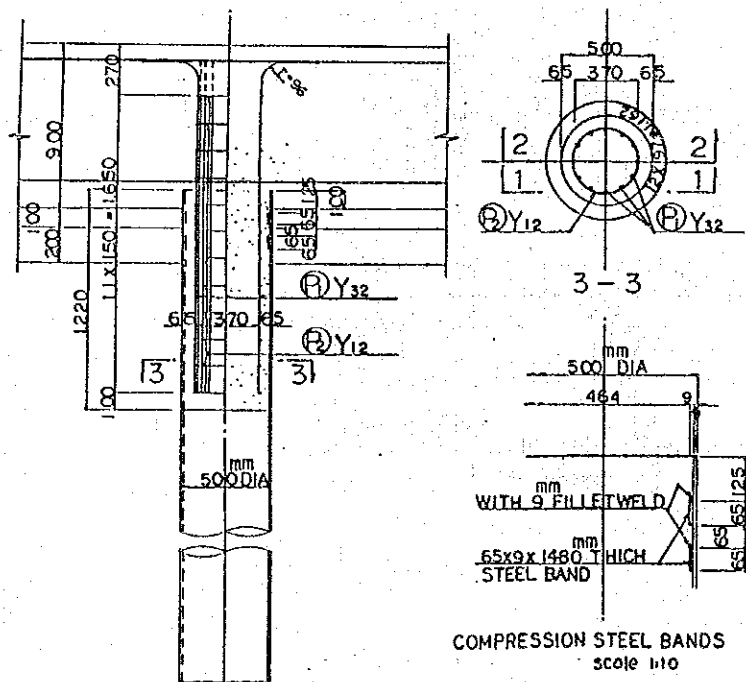
PLAN SCALE 1:300



PLAN



B - B

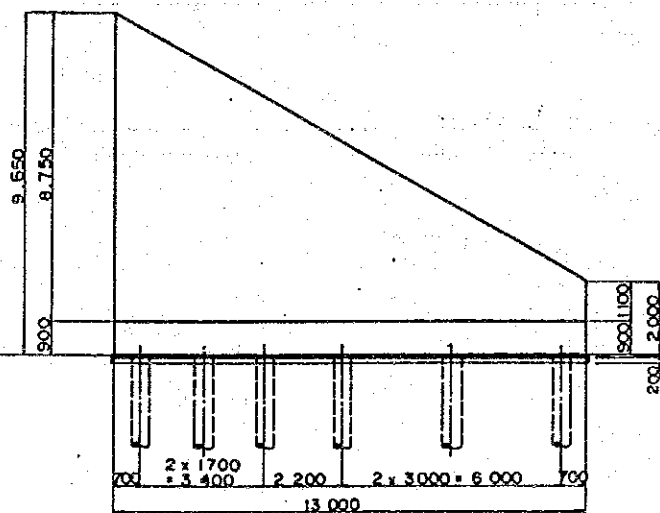


COMPRESSION STEEL BANDS
SCALE 1:10

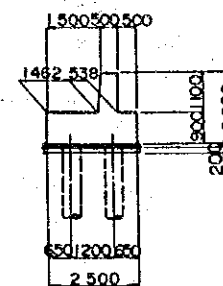
1-1 2-2

DETAIL OF PILE HEAD SCALE 1:20

2027267
(2027140)



A - A



C - C

RETAINING WALL SCALE 1:100

MATERIAL FOR ONE PILE-HEAD

CONCRETE	0.482 x 3.1416 x 122 / 4	0.223 m ³	(CLASS 25)
REINFORCED BAR			
Y ₃₂	6.313 x 2,000 x 12	151	k ^g
Y ₁₂	0.888 x 1,720 x 12	18	
STEEL BAND	(65 x 9 x 1480 x 2)	14	k ^g

AERIAL PHOTO BY	SURVEYED BY
MAPPING BY	TRACED BY
LOCATION BY	CHECKED BY

M.O.P.W. ROADS DEPT. DRG. NO.

REVISIONS	
DESCRIPTION	DATE

JAPAN INTERNATIONAL
COOPERATION AGENCY

CHIEF ENGINEER (ROADS)
CHIEF SUPT. ENG. (DESIGN)

SEN. SUPT. ENG. (DESIGN)
SUPT. ENGINEER (DESIGN)
PROJECT ENGINEER

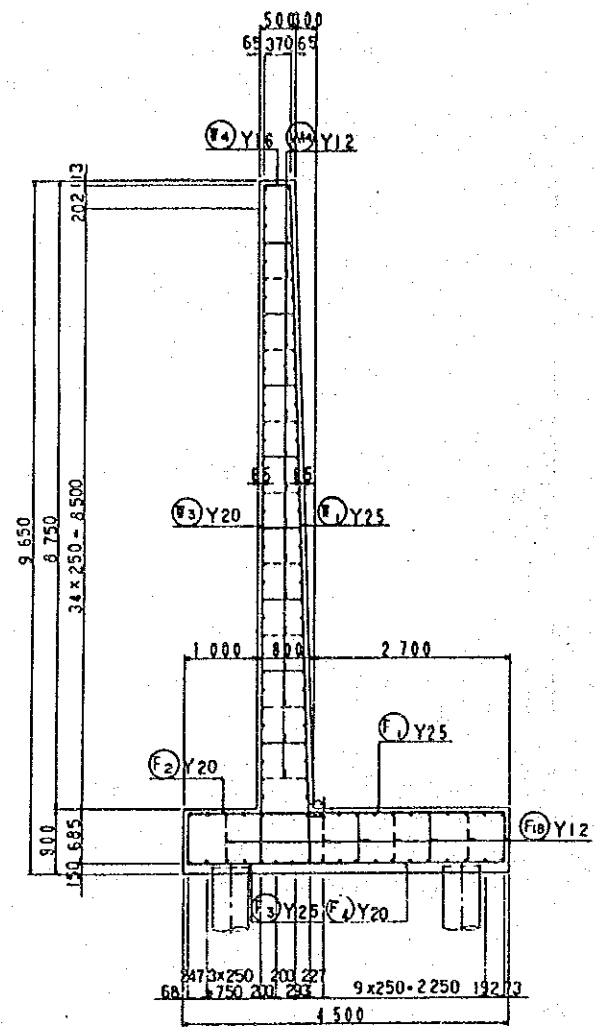
SCALES
AS SHOWN

NAIROBI BYPASS
OVER BRIDGE (1) 9-10m CR 270+820
RETAINING WALL (1)

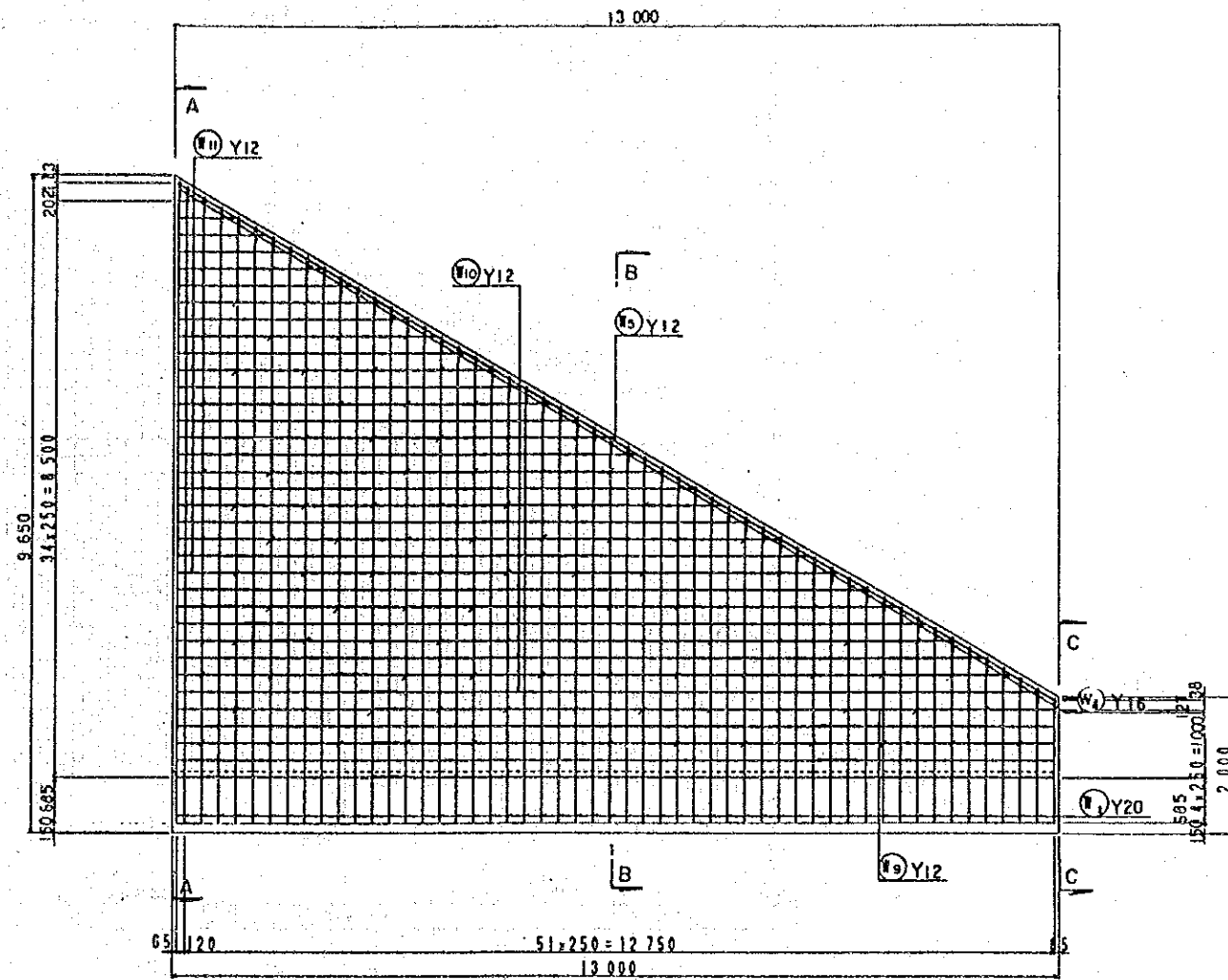
P
SHEET 40 OF 45

AERIAL PHOTO BY _____ SURVEYED BY _____
 MAPPING BY _____ TRACED BY _____
 LOCATION BY _____ CHECKED BY _____

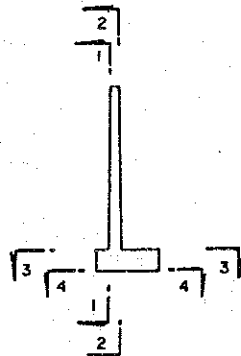
M.O.P.W. ROADS DEPT. DRG NO.



A — A



I — I



REVISIONS		DESCRIPTION	DATE

JAPAN INTERNATIONAL
COOPERATION AGENCY

CHIEF ENGINEER (ROADS)
CHIEF SUPT. ENG. (DESIGN)

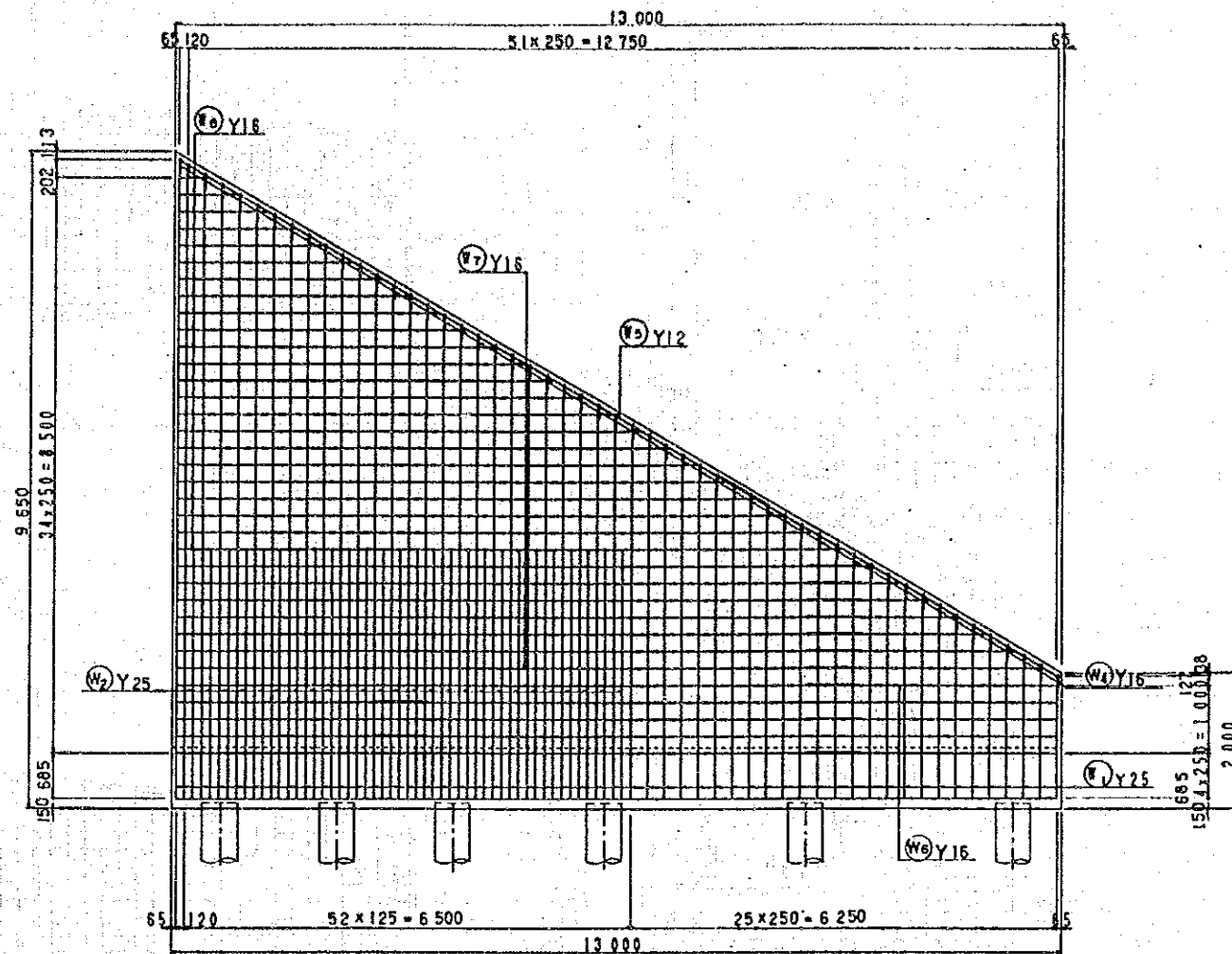
SEN. SUPT. ENG. (DESIGN)
SUPT. ENGINEER (DESIGN)
PROJECT ENGINEER

SCALES
1:50

NAIROBI BYPASS
OVER BRIDGE(S) 8+10m CR 272+920
RETAINING WALL (S)

P
SHEET 41 OF 45

AERIAL PHOTO BY	SURVEYED BY
MAPPING BY	TRACED BY
LOCATION BY	CHECKED BY



2 — 2

M.O.P.W. ROADS DEPT. DRG. NO.

REVISIONS	
DESCRIPTION	DATE

JAPAN INTERNATIONAL COOPERATION AGENCY

CHIEF ENGINEER (ROADS)
CHIEF SUPT. ENG. (DESIGN)

SEN. SUPT. ENG. (DESIGN)
SUPT. ENGINEER (DESIGN)
PROJECT ENGINEER

SCALES
1:50

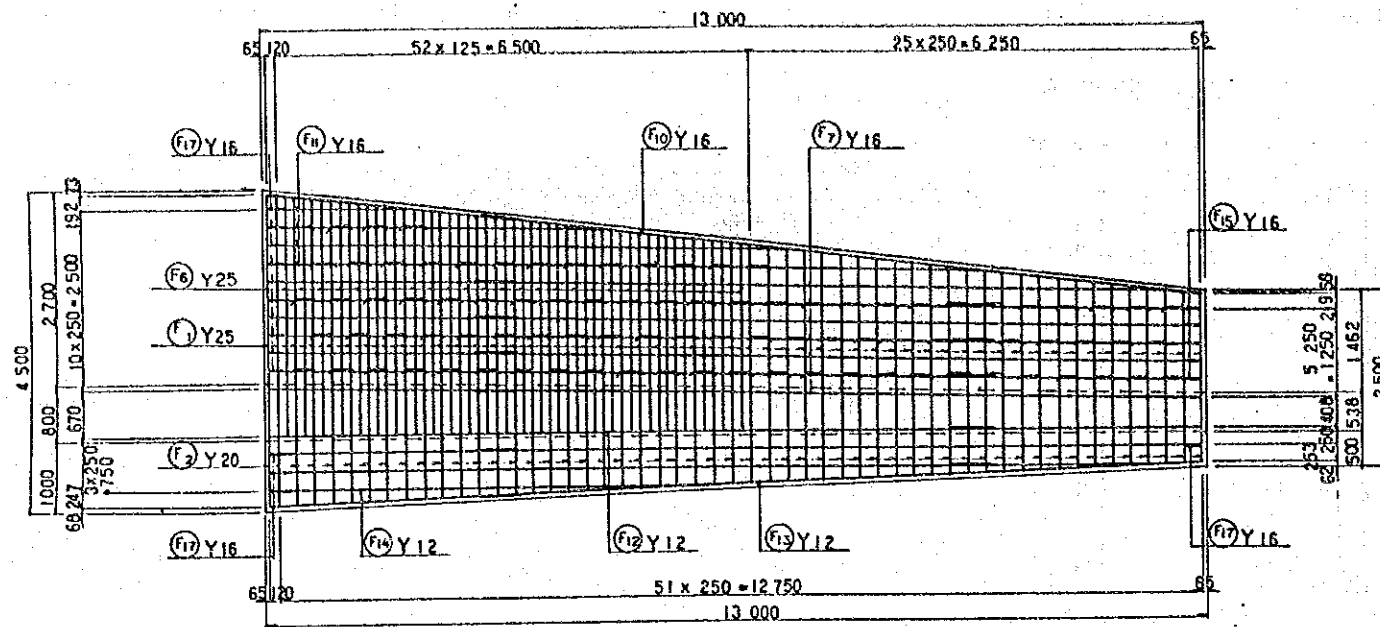
NAIROBI BYPASS
OVER BRIDGE (2) 9-10% CR STR. #810
RETAINING WALL (3)

P
SHEET 42 OF 45

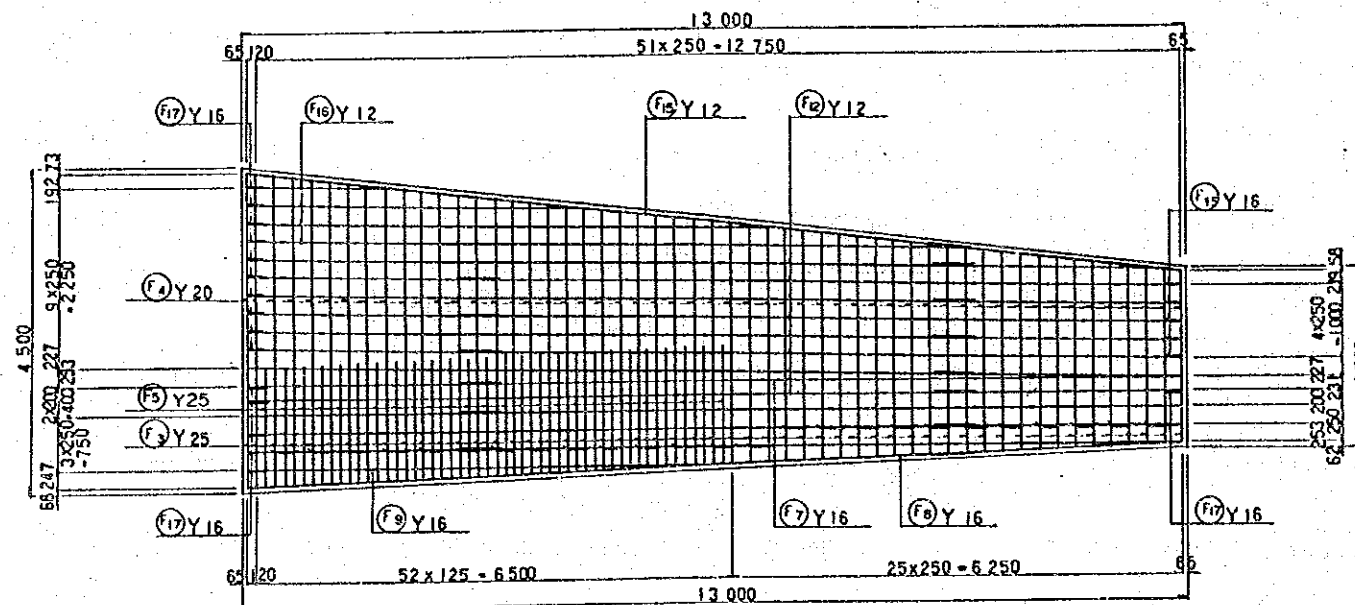
AERIAL PHOTO BY
MAPPING BY
LOCATION BY

SURVEYED BY
TRACED BY
CHECKED BY

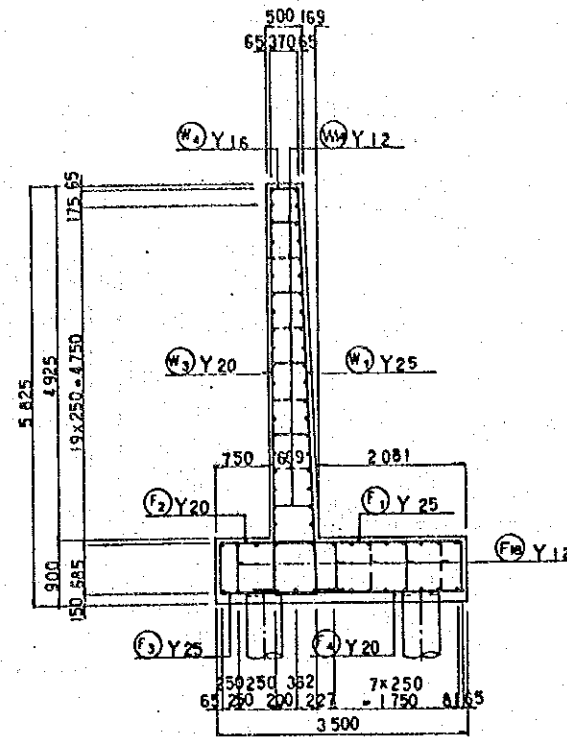
M.O.P.W. ROADS DEPT DRG NO.



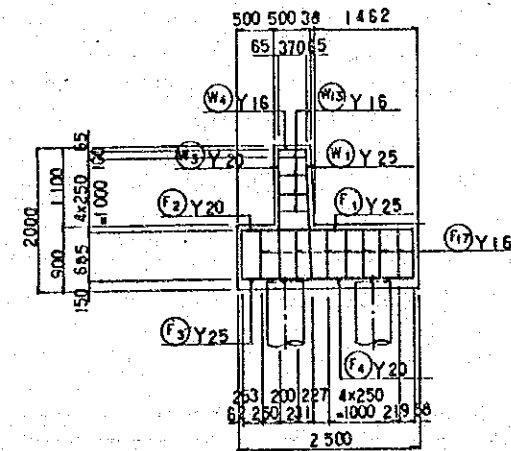
3 — 3



4 — 4



B — B



C — C

REVISIONS	DESCRIPTION	DATE

JAPAN INTERNATIONAL
COOPERATION AGENCY

CHIEF ENGINEER (ROADS)
CHIEF SUPT ENG (DESIGN)

SEN SUPT. ENG (DESIGN)
SUPT ENGINEER (DESIGN)
PROJECT ENGINEER

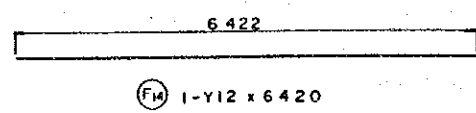
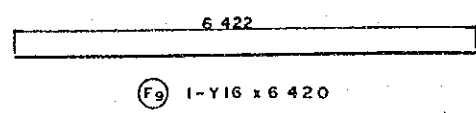
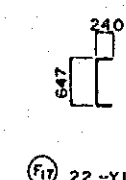
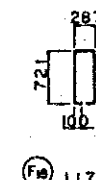
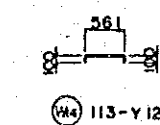
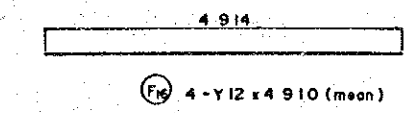
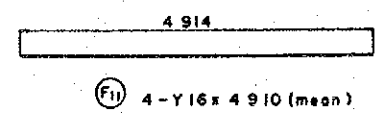
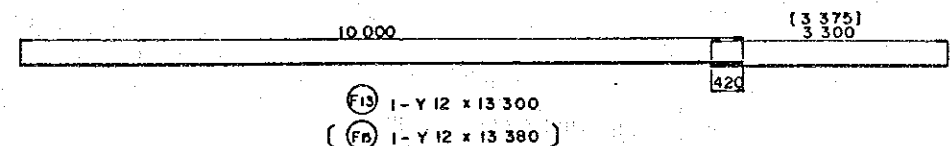
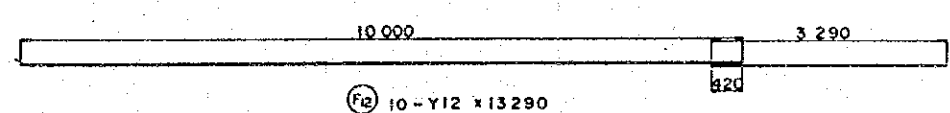
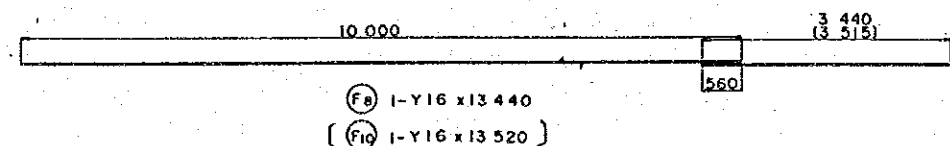
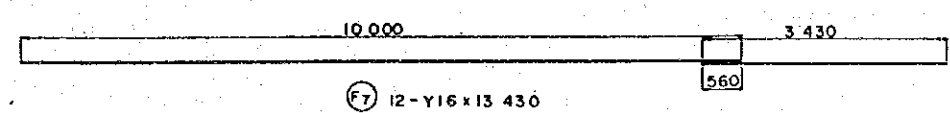
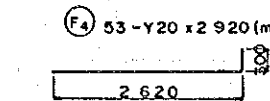
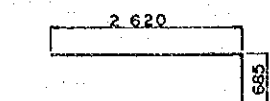
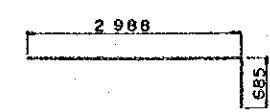
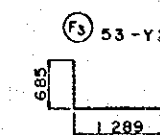
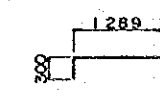
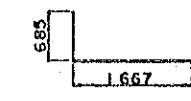
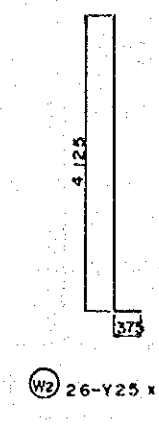
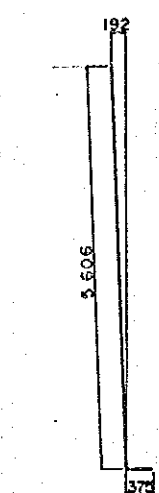
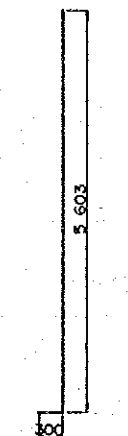
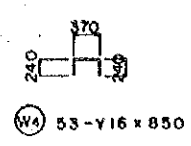
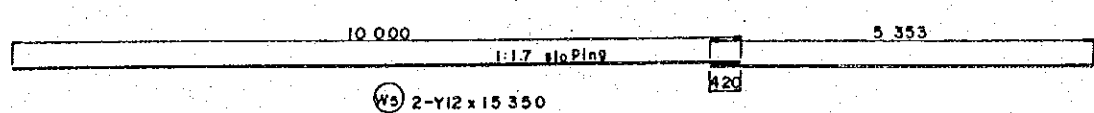
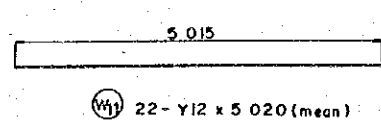
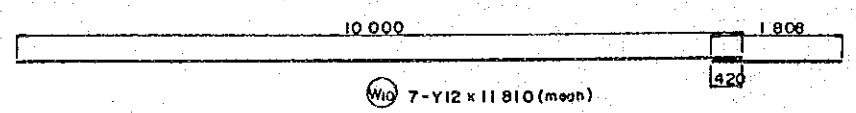
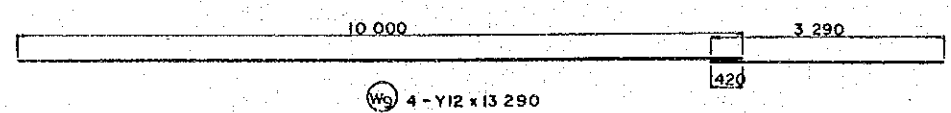
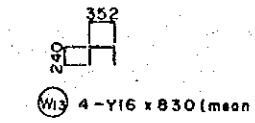
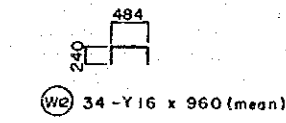
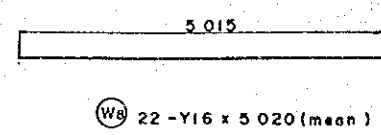
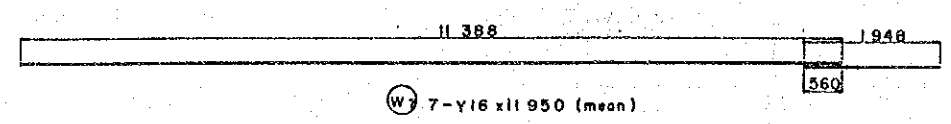
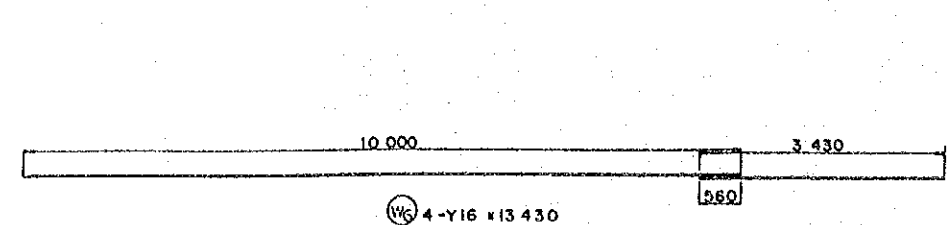
SCALES
1:50

NAIROBI BYPASS
OVER BRIDGE (2) W-10a CH 270+820
RETAINING WALL (4)

P
SHEET 43 OF 45

AERIAL PHOTO BY: _____
 MAPPING BY: _____
 LOCATION BY: _____
 SURVEYED BY: _____
 TRACED BY: _____
 CHECKED BY: _____

M.O.P.W. ROADS DEPT. DRG. NO.



REVISIONS	
DESCRIPTION	DATE

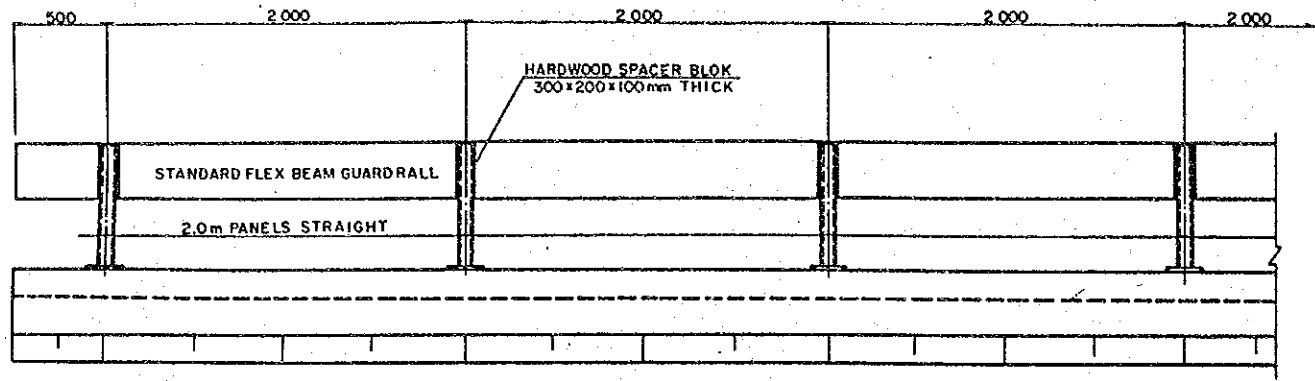
JAPAN INTERNATIONAL COOPERATION AGENCY

CHIEF ENGINEER (ROADS)
 CHIEF SUPT. ENG. (DESIGN)

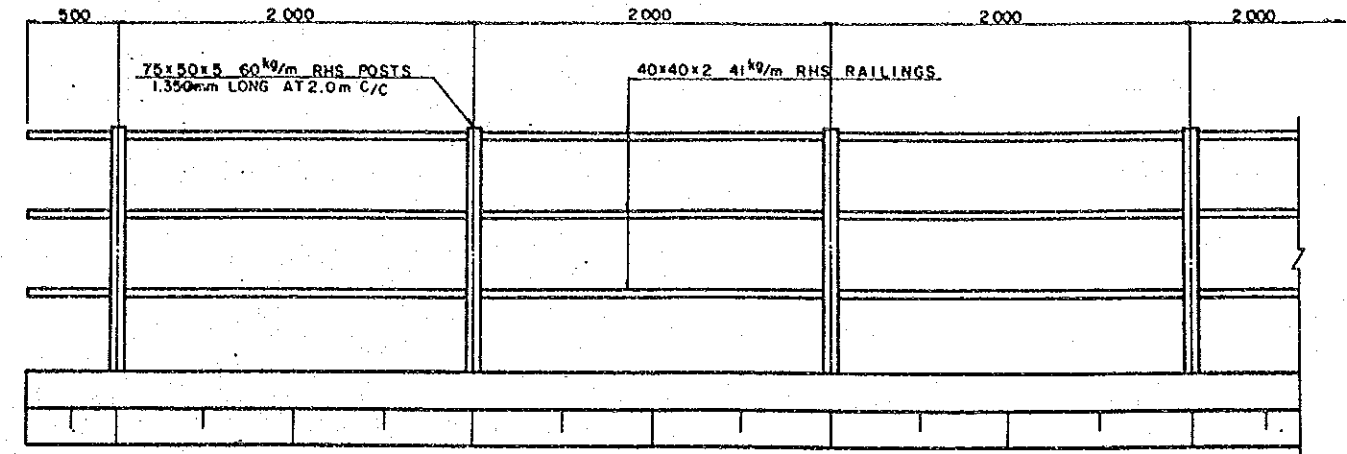
SEN SUPT. ENG. (DESIGN)
 SUPT. ENGINEER (DESIGN)
 PROJECT ENGINEER

SCALES
 1:50

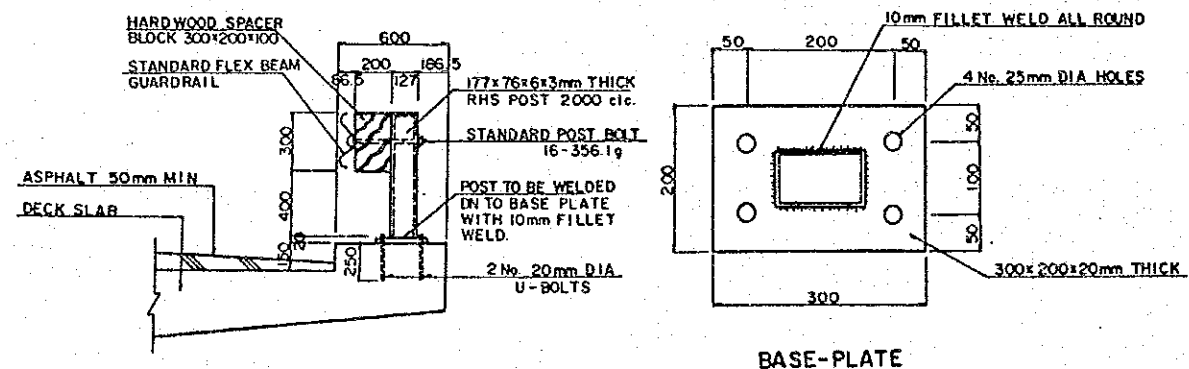
NAIROBI BYPASS
 OVER BRIDGE (2) R=10m CR 275m x 910
 RETAINING WALL (5)



PROFILE SCALE 1:20

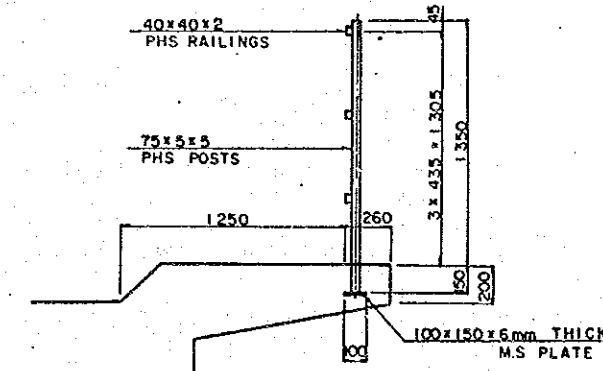


PROFILE SCALE 1:20



CROSS SECTION SCALE 1:20

VEHICLE BRIDGE PARAPET



CROSS SECTION SCALE 1:20

RAILWAY BRIDGE PRAPET

SURVEYED BY
 MAPPING BY
 TRACED BY
 LOCATION BY
 CHECKED BY

M.O.P.W. ROADS DEPT DRG NO.

REVISIONS		JAPAN INTERNATIONAL COOPERATION AGENCY	CHIEF ENGINEER (ROADS)	SEN SUPT ENG (DESIGN)	SCALES	NAIROBI BYPASS	P
DESCRIPTION	DATE						
			CHIEF SUPT ENG (DESIGN)	SUPT ENGINEER (DESIGN)	1:20	OVER BRIDGE(S) W-10a CH 212a-910 PARAPET	SHEET 45 OF 45
				PROJECT ENGINEER			

