



REPUBLIC OF KENYA MINISTRY OF PUBLIC WORKS

THE NAIROBI BYPASS PROJECT DETAILED DESIGN STUDY FINAL REPORT

> PART II VOLUME 6 (DRAWINGS)

SEPTE MBER 1992

JAPAN INTERNATIONAL COOPERATION AGENCY





24900

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CONTENTS

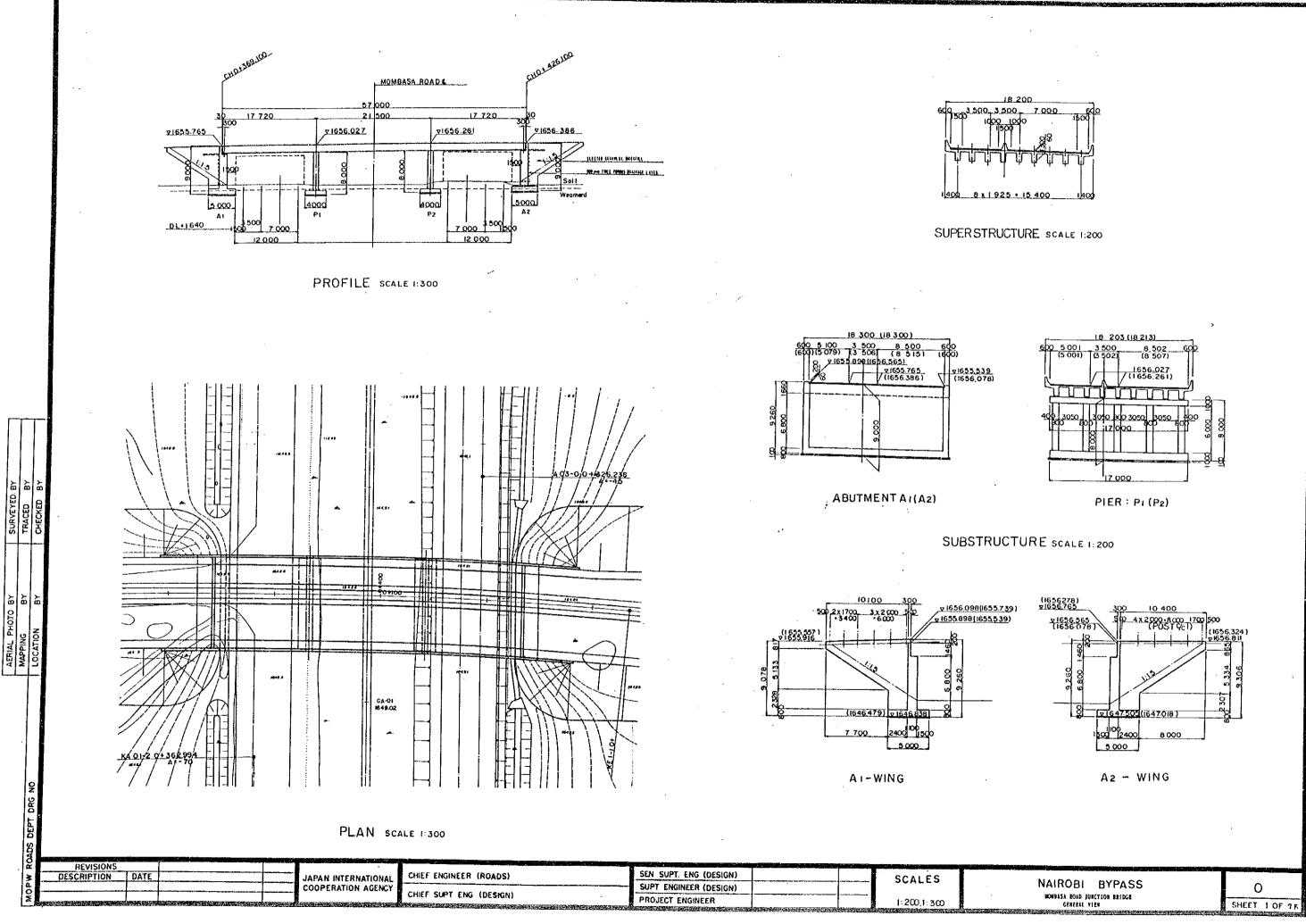
	SKBET • NUMBER	DESCRIPTION	SCAŬE	N. O. P. I Nunari
STRUC	CTURES			
	0 1-75	BRIDGES OF NAIN ROAD		
VOLUNE		NONBASA ROAD JUNCTION BRIDGE		
6	. 1	GENERAL VIEW (1)	As Shown	
	2-5	SUPERSTRUCTURE (1)~(4)	*	
	6~10	ABUTNENTS (A_1, A_2) (1) ~ (5)		•
	11-12	WING WALL (A1) (1)~(2)	4	
	13-15	PIERS (P1, P2) (1)~(3)		
	16-17	NING WALL (A.) (1)~(2)		
	18	PARAPET (1)		
		UKURU NONUWERT JUNCTION BRIDGE		
	19-	GBNERAL VIEW (1)	'As Shown	
	20-23	SUPERSTRUCTURE (1)-(4)		• Pairan a
	24-28	ABUTNENTS (A1, A2) (1)~(5)		
	29-30	WING WALL (A,) (1)~(2)	-	
[.	31-33	PIERS (1)~(3)	*	
	34-35	WING WALL (A.,) (1)~(2)		
	36	PARAPET (1)		
		RAILWAY BRIDGE		
	37-39	RAILWAY PROFILE (1)~(3)	A# Shown	
	40	GENERAL VIEW (1)	*	
	41-44	SUPERSTRUCTURE (1)~(4)		
Ĺ	45-50	ABUTHENTS (A,) (1)~(6)		
	51-52	WING WALL (A.) (1)~(2)		
	53~55	PIERS (1)~(3)	-	******
	56-60	ABUTNENTS (A.) (1)~(5)		
	61-64	WING WALL (A.,) (1)-(4)		
	65-74	RETAINING WALL (1)~00		······································
· · [75	PARAPET (1)		

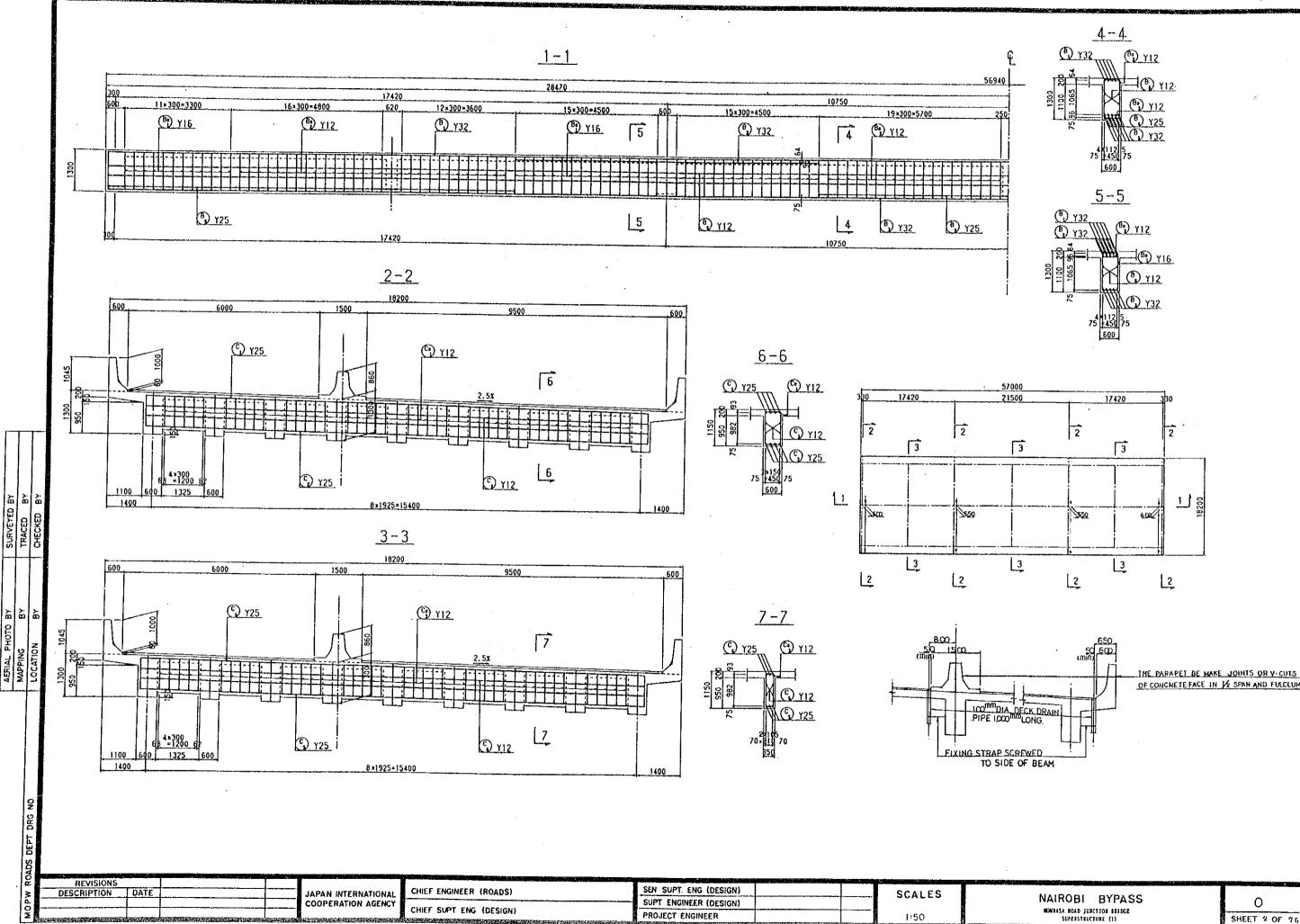
	SHEBT Number	DESCRIPTION	SCALE	N. O. P. N Nunber
	P 1-45	OVER BRIDGES		a dalam yake di kata atalah Mar
		PEDESTRIAN OVER BRIDGE(1); N=3= CH 1K=+180		
VOLUNE	1	GENBRAL VIEW - (1)	As Shown	· · ·
7	2-3	SUPERSTRUCTURE (1)~(2)	*	
	1	ABUTHENTS (A1. A+) (1)		
	5	PIBR (1)		
•	δ	PARAPET (1)		
	•	PBOBSTRIAN OVER BRIDGE(2), N=6= CH 15K++980		
	7	GENBRAL VIEW (1)	As Shown	
	8-10	SUPBRSTRUCTURE (3) .		
	11	ABUTWENTS (A1, A3) (1)	<i>#</i>	
	12	PIBR (1)	• *	
	13	PARAPET (1)		
		OVER BRIDGS(1) N=6m CH 15Km+980		
	14	GENERAL VIEW (1)	As Shown	
•	15-17	SUPERSTRUCTURE (1)~(3)	~	
· [18-20	ABUTHENTS (A., A.) (1)~(3)		
	21-22	NING WALL (A.) (1)~(2)		
	23-25	P18RS (1)~(3)		
	26-27	WING WALL (A=) (1)~(2)	je –	
	. 28	FARAPET (1)	<i>u</i>	
:		OVER BRIDG8(2) N=10# CH 27K#+920		
•	29	GENERAL VIEW (1)	As Shown	
	30-32	SUPERSTRUCTURE (1)~(3)		
	33-36	ABUTNENTS (A1, A2) (1)~(4)	"	
· [.37-39	PIERS (1)~(3) ,-		
[40-44	RETAINING WALL (1)~(5)	*	
<u> </u>	45	PARAPET (1)		

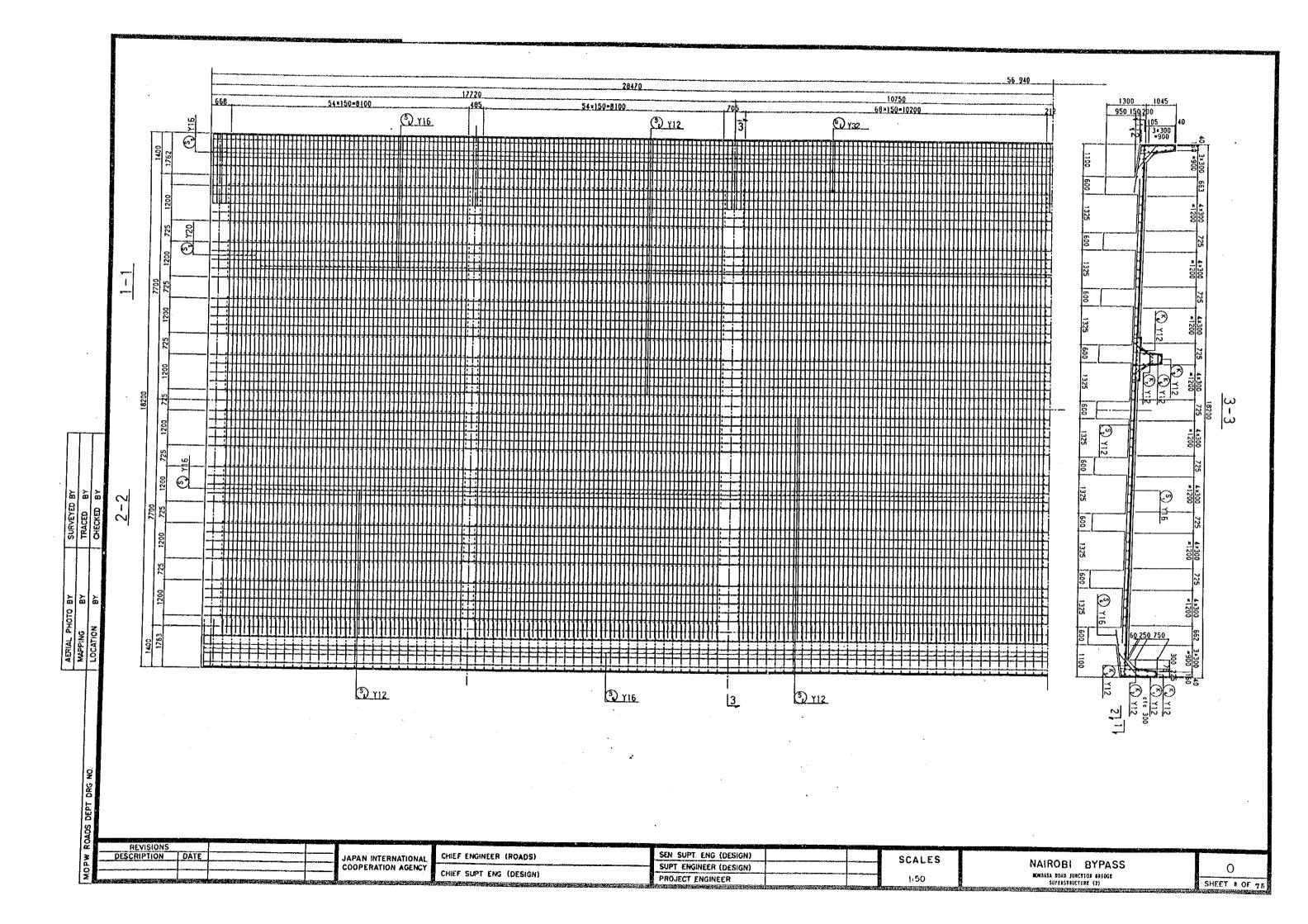
	SHBET Number	an a	DESCRIPTION			SCALE	N, O, P. N Nunber
	01-183	BOX CULVERTS	₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩				
-		ABHICTE BOX CATAGE.	rs `	<u></u>			
OLUN8	1-15	CH 15+516.37 (1)	~09 K=	10.00 H=	5.80	As Shown	
8	16-25	CH 19+500.00 (1)-	~00 H=	• 8.00 H×	5,60	#	
	26-52	CH 20+930.04 (1)	~ (27) ¥=	10.00 H=	6.00		
	53-62	CH 23+169.41 (1)-	~QQ ¥=	: 8.50 H=	5, 75	*	
	63-72	CH 23+760.00 (1)-	~00 ¥=	• 8.50 H≠	5.60		
	73-82	CH 24+980.00 (1)-	~00 ¥*	• 8.50 H=	5.60		
	83-106	CH 26+464.00 (1)-	~ (24) ¥=	• 8.50 X=	5, 65	N	
		WATER BOX CULVERTS	3				
	107-117	CH 13+978.00 (1)-	~40 ¥=	3.00 H=	3.00	As Shown	
	118-123	CH 14+934.00 (1)-	~(6) ¥=	2.00 H=	3.00		
	124-133	CH 15+560.00 (1)-	~4Q ¥=	3.50 H=	3.00	8	
	134-143	CH00+157, 00NGONG J,	C B SLIP (1)~00	¥≠3.50 X	≈3.00	. #	
	144-161	CH 26+335.00 (1)-	~08 ¥=	3.50 H=	3.50	8	
	•	PEDESTRIAN BOX CUL	VERTS				
	162-168	CH 18+400.00 (1)-	~(7) ¥=	3.00 H=	3.00	As Shown	
	169-172	CH 20+200.00 (1)-	~(4) N=	3.00 H=	3.00	"	
	173-176	CH 22+880.00 (1)-	~(4) ¥=	3.00 H=	3.00		
	177-18:	CH 26+222.00 (1)-	~(7) ¥=	3.00 H=	3.00	*	
l							
			<u> </u>				
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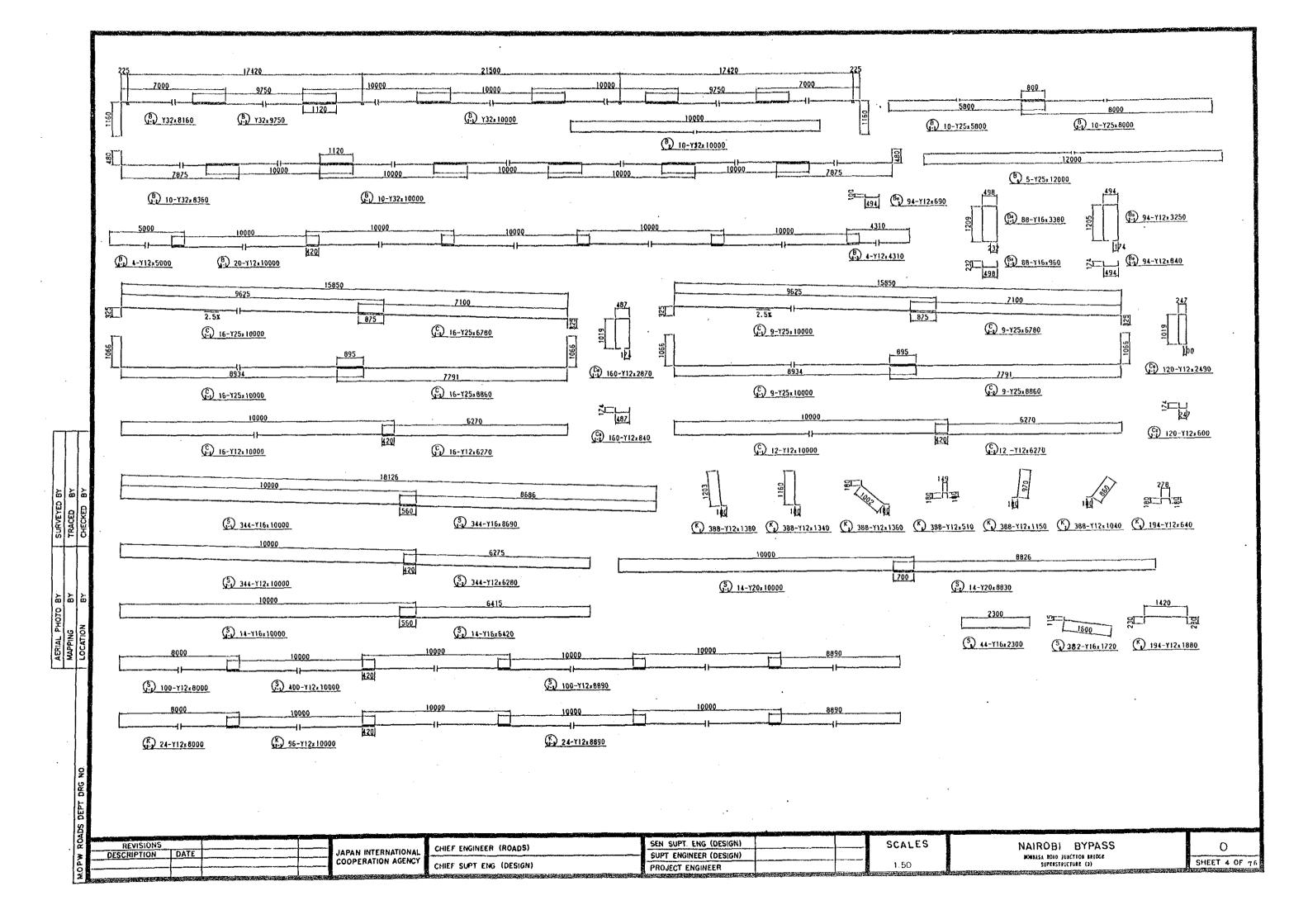
OADS DEPT DRG NO.					
N N	REVISIONS DESCRIPTION DATE	JAPAN INTERNATIONAL	CHIEF ENGINEER (ROADS)	SEN SUPT. ENG. (DESIGN)	SCALES
а О		COOPERATION AGENCY	CHIEF SUPT. ENG. (DESIGN)	SUPT. ENGINEER (DESIGN)	

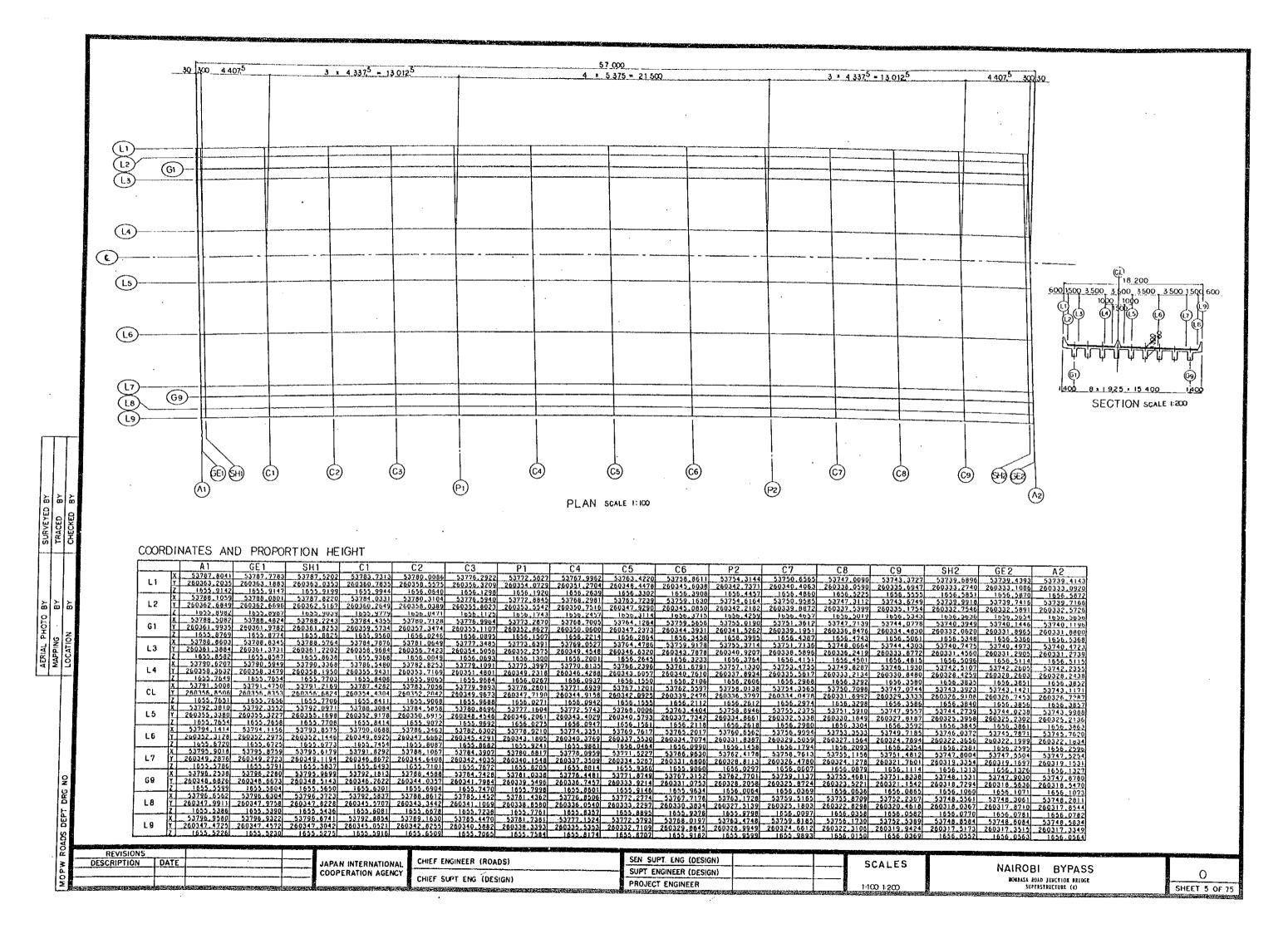
NAIROBI BYPASS

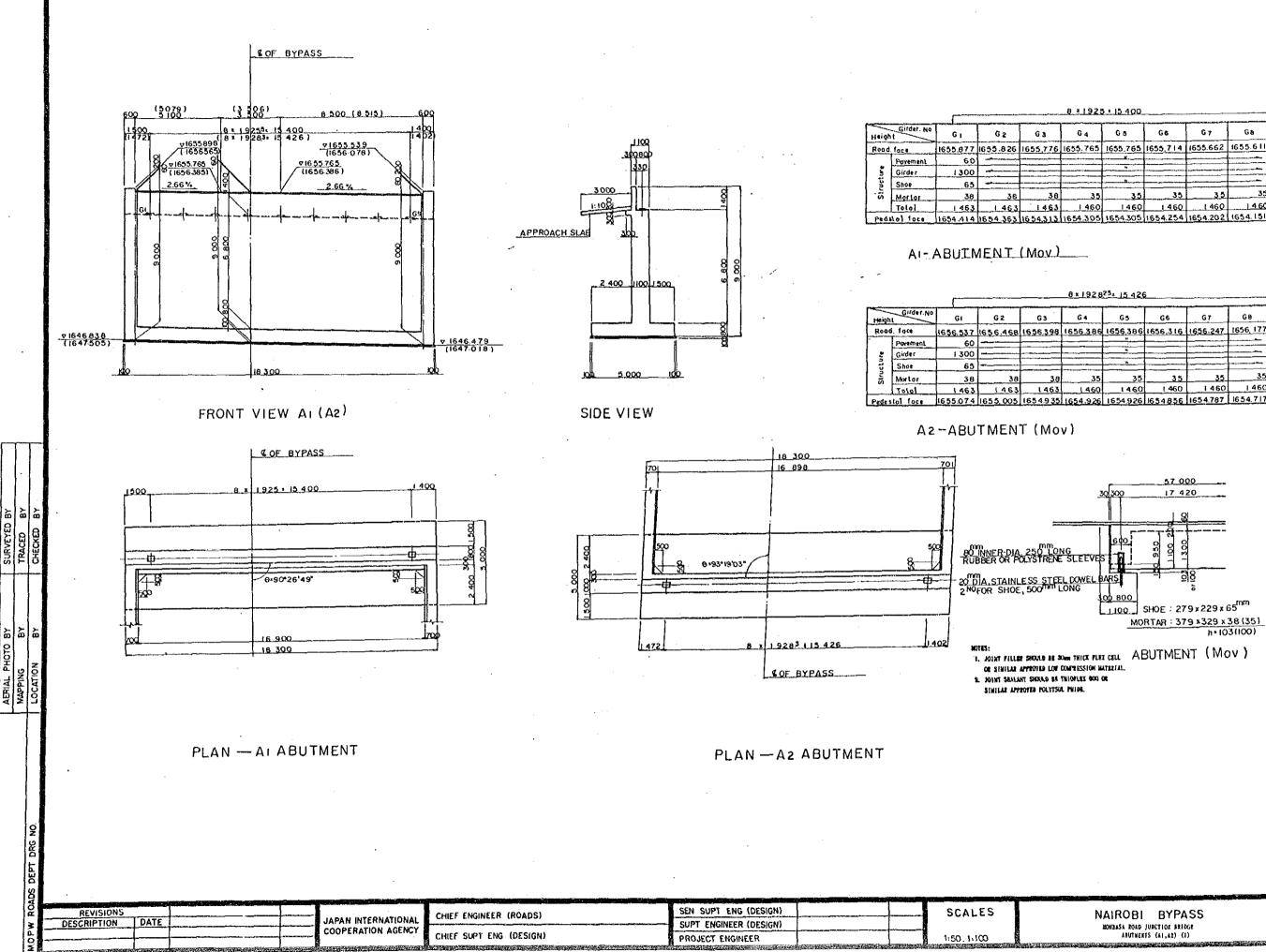










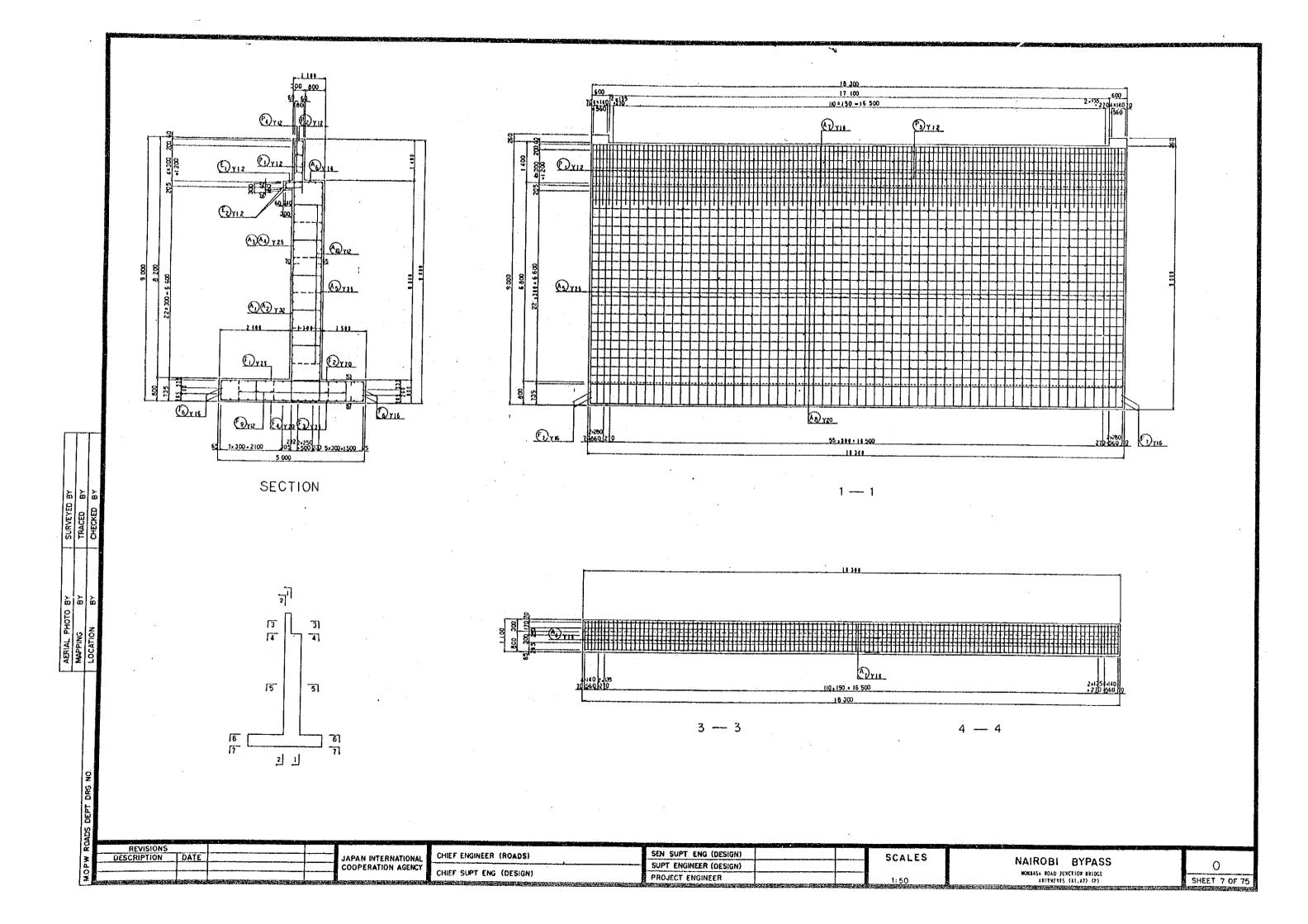


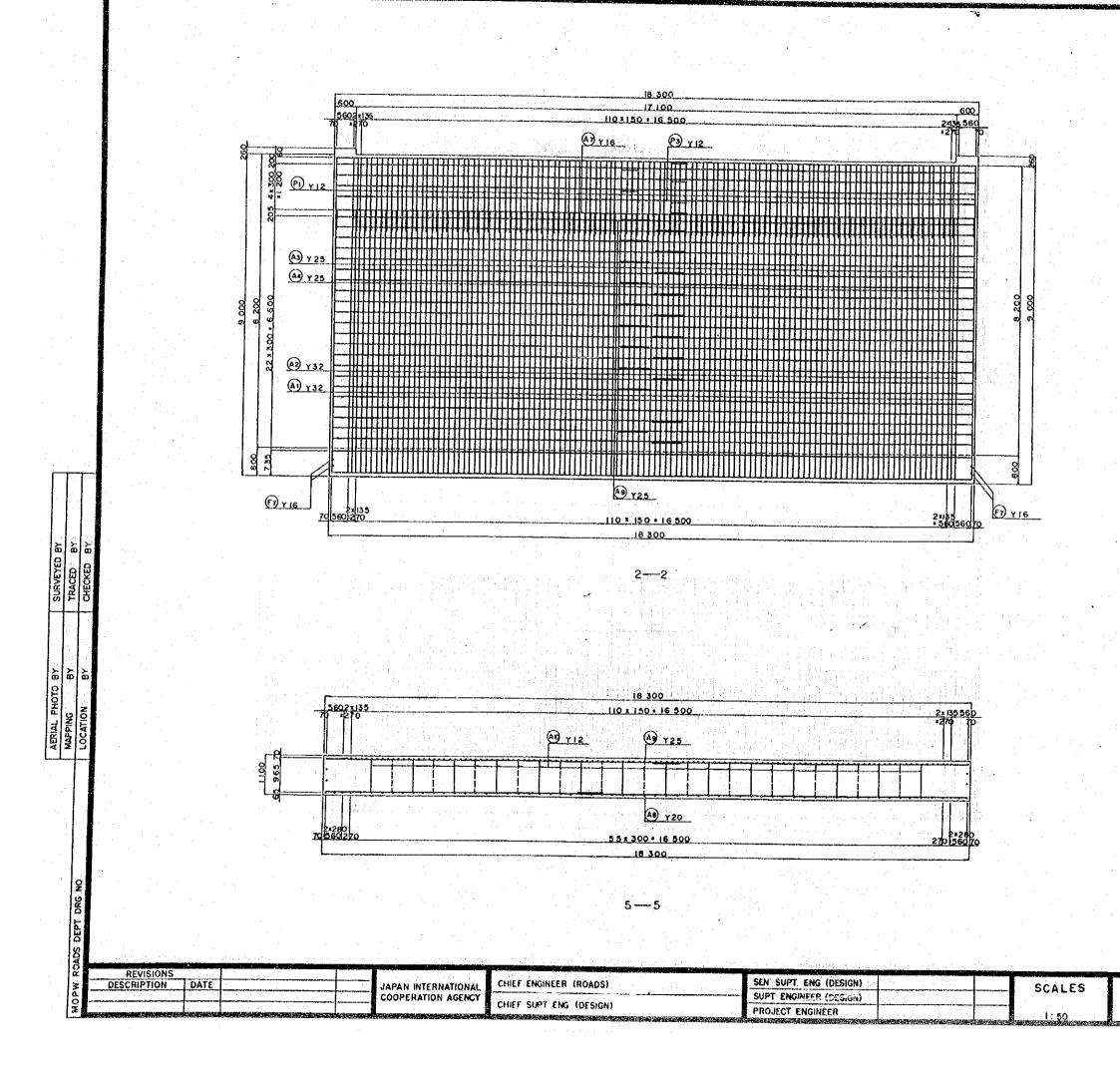
and the second s					
Gg	Gð	67	GS	G 5	G 4
1655,560	1655.6 H	1655.662	1655.714	1655,765	1655.765
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1300					
65					
35	35	35	35	35	35
460	4 60	1 460	1460	1460	1 460
1654.100	1654.151	1654.202	1654.254	1654.305	1654.305

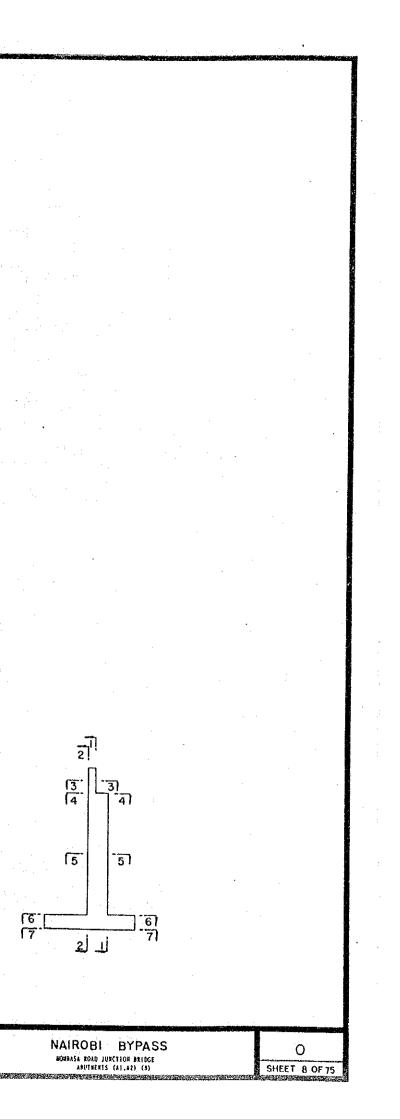
Γ	64	G 5	G6	G7	GB	G 9
ī	656.386	1656.386	1656.316	1656.247	1656, 177	1656.107
L						60
						1300
-						65
-	35	35	35	35	35	35
r	1 460	1460		1 4 6 0	1460	1460
1	654.926	1654.926		1654.787	1654.717	16 54 647

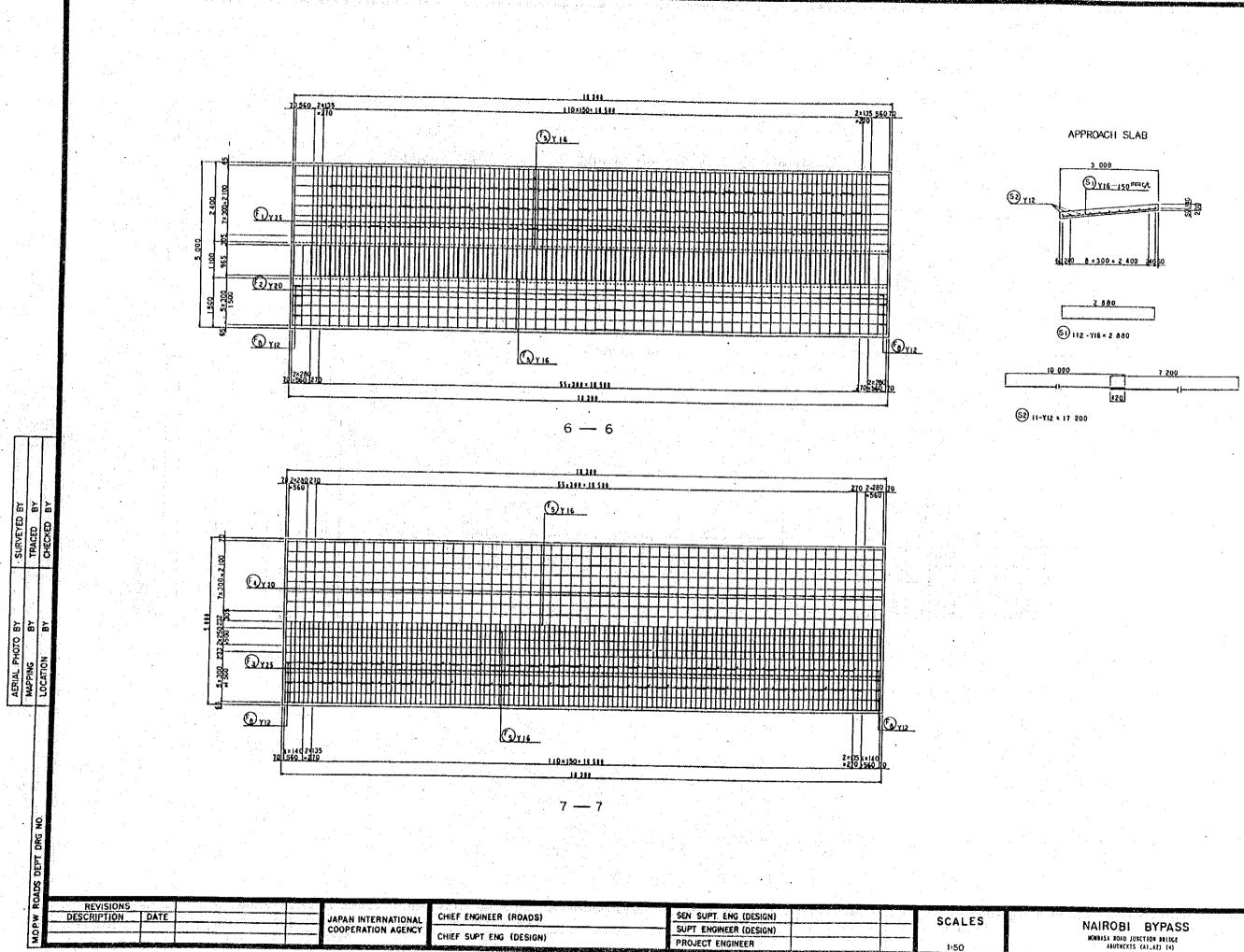
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SHEET 6 OF 75



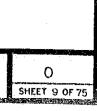


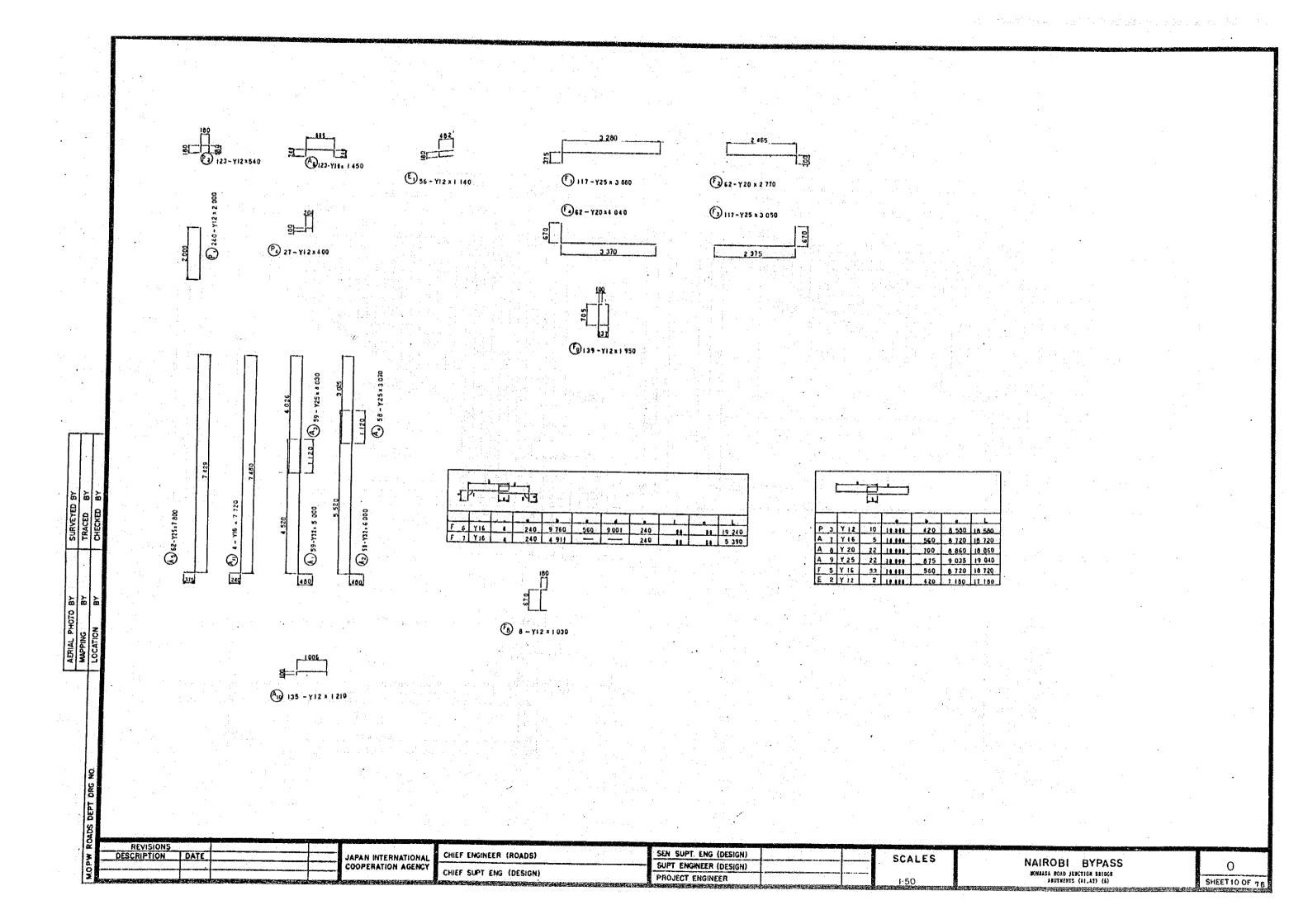


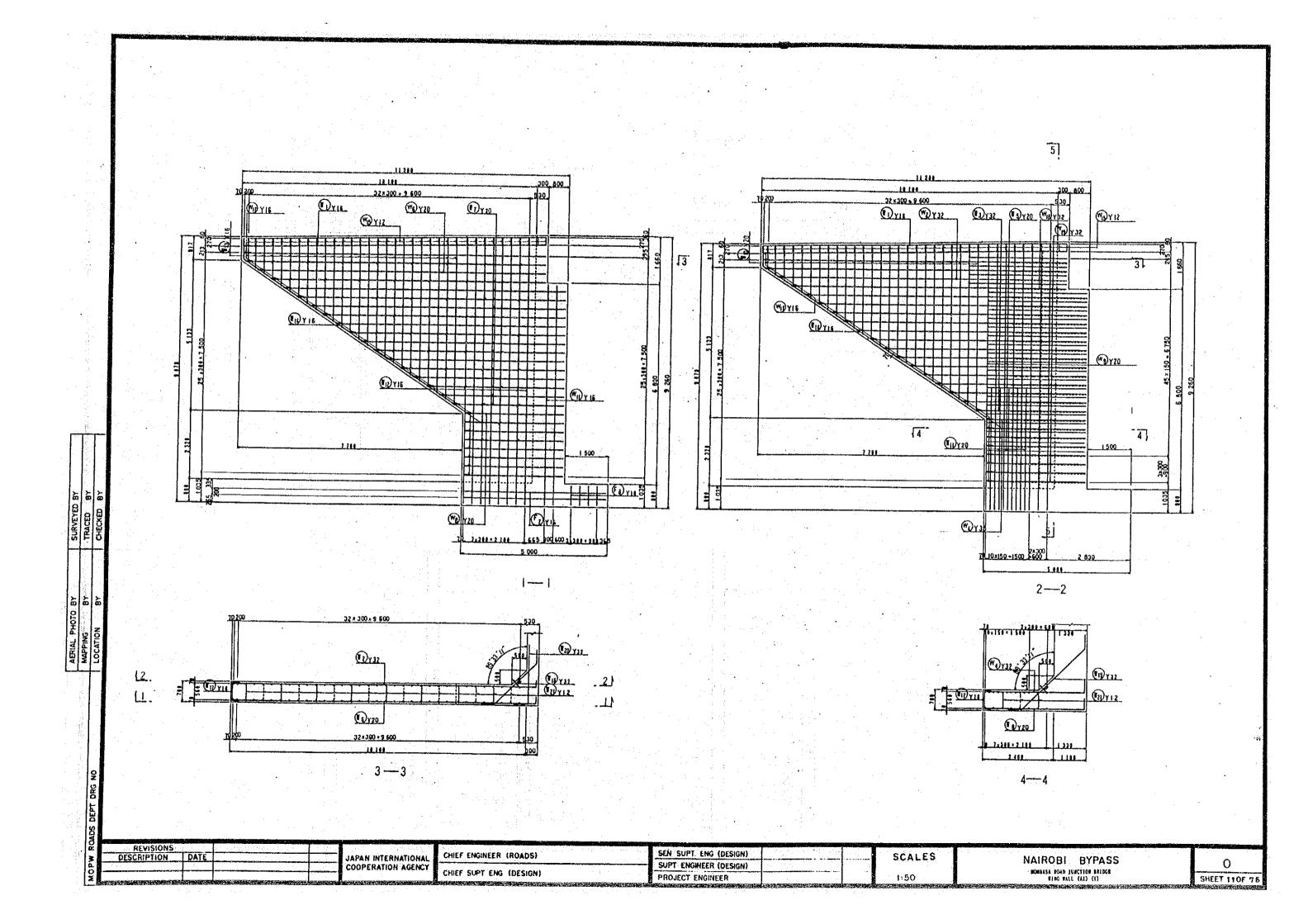


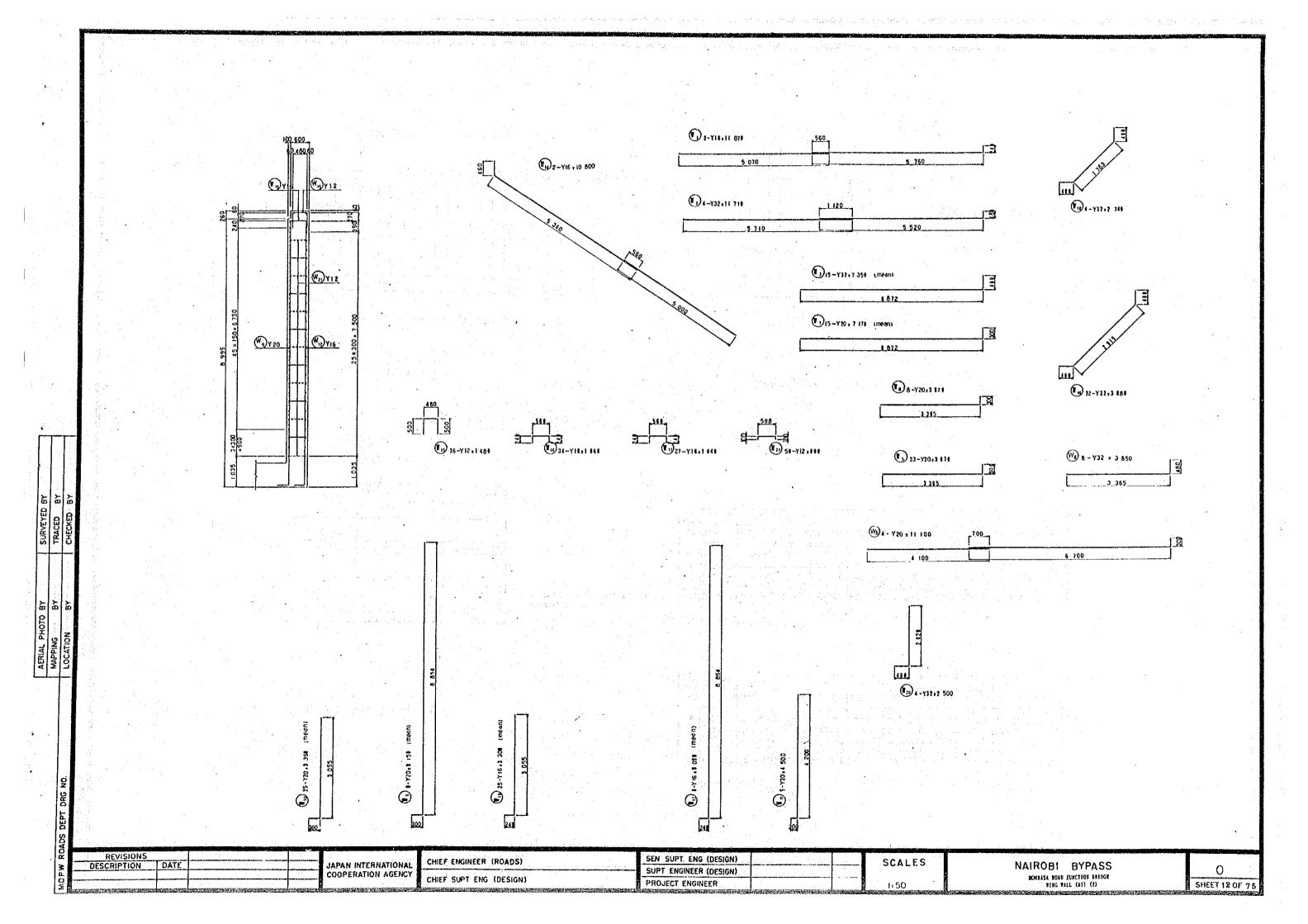
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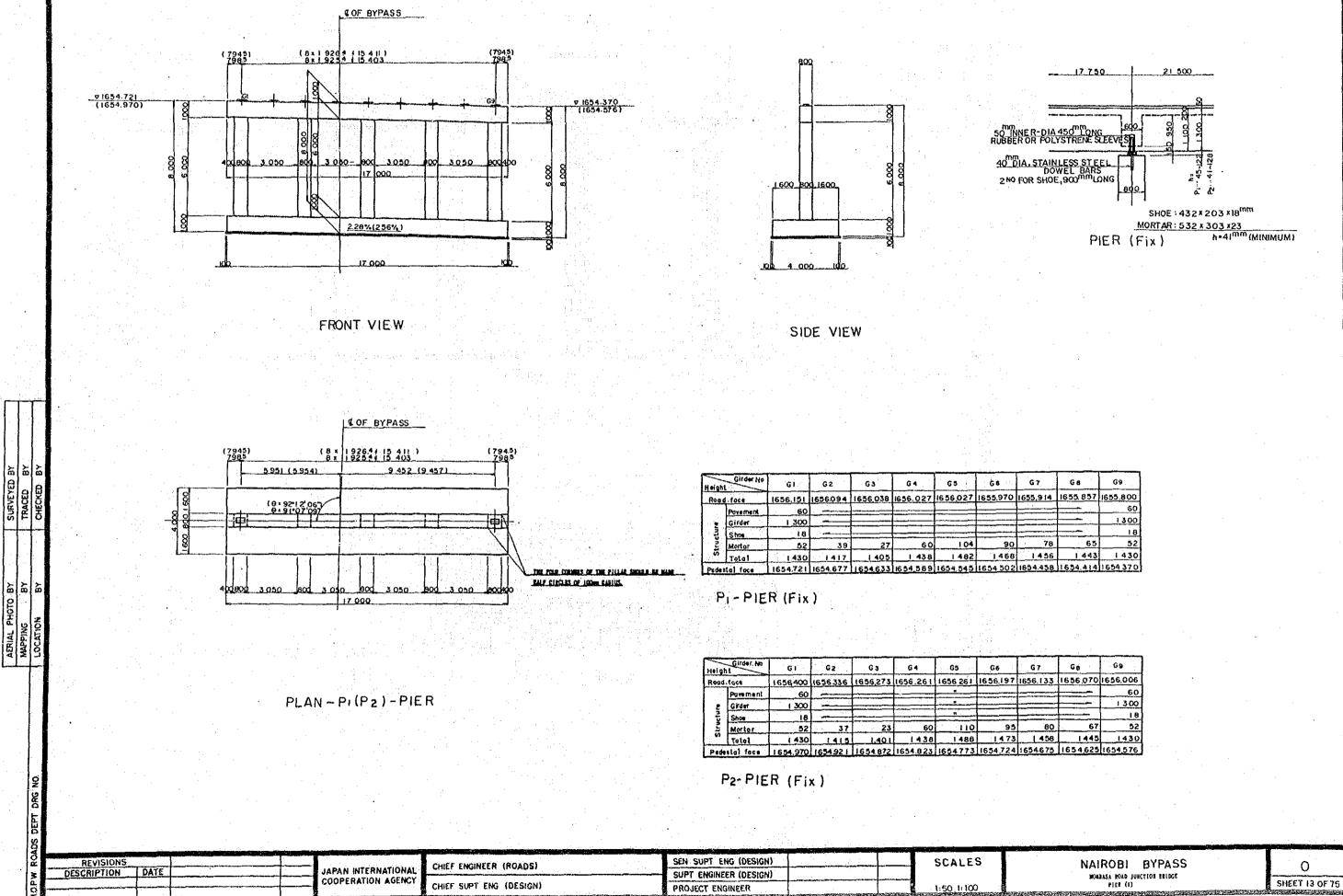
NONBASA BOAD JUXCTION BRIDGE ABUTHERTS (AI, A2) (4)





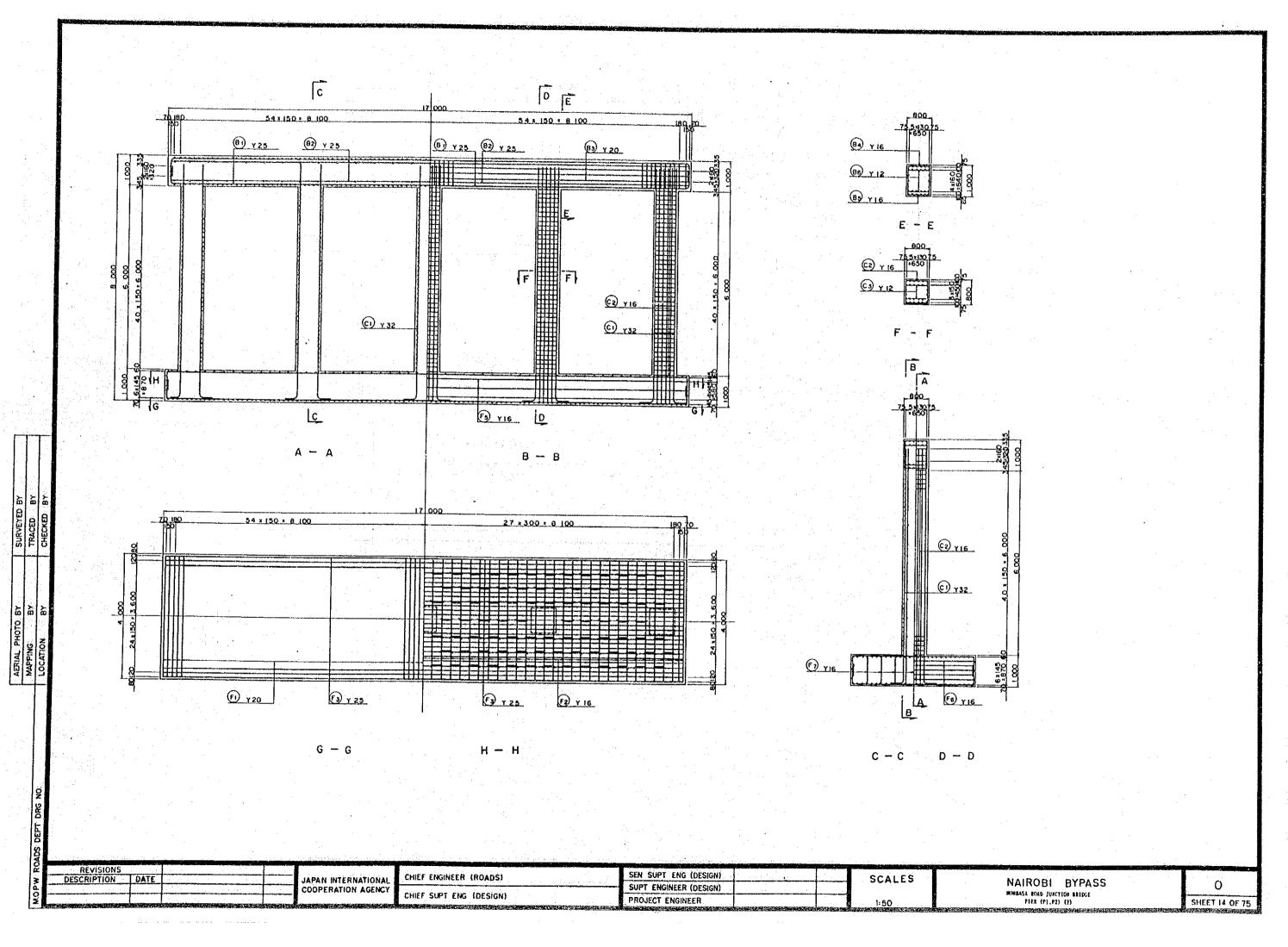


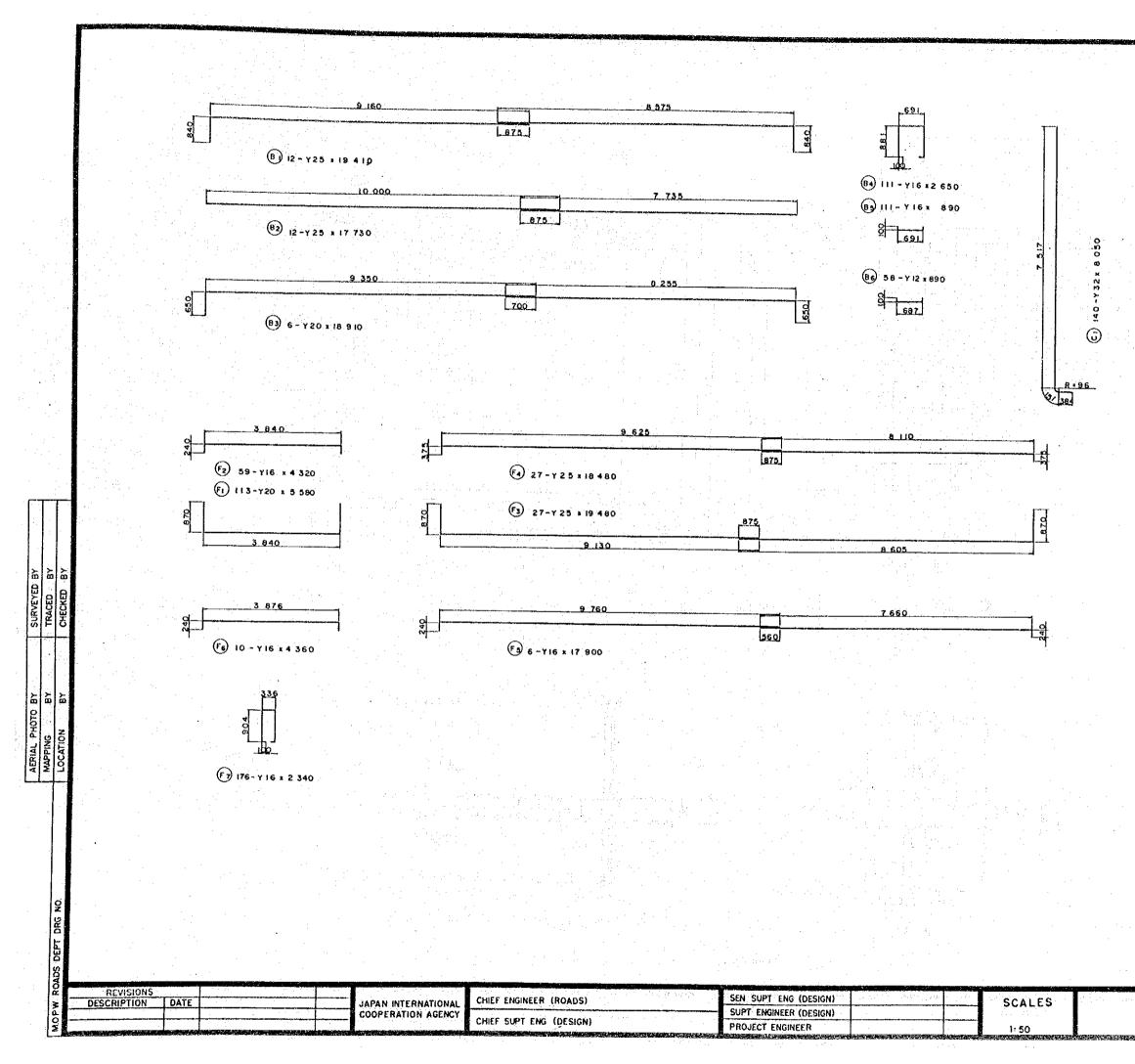


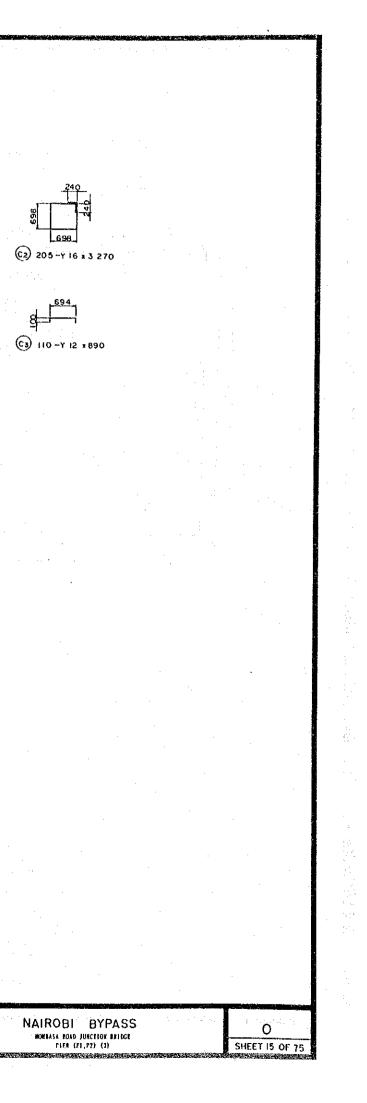


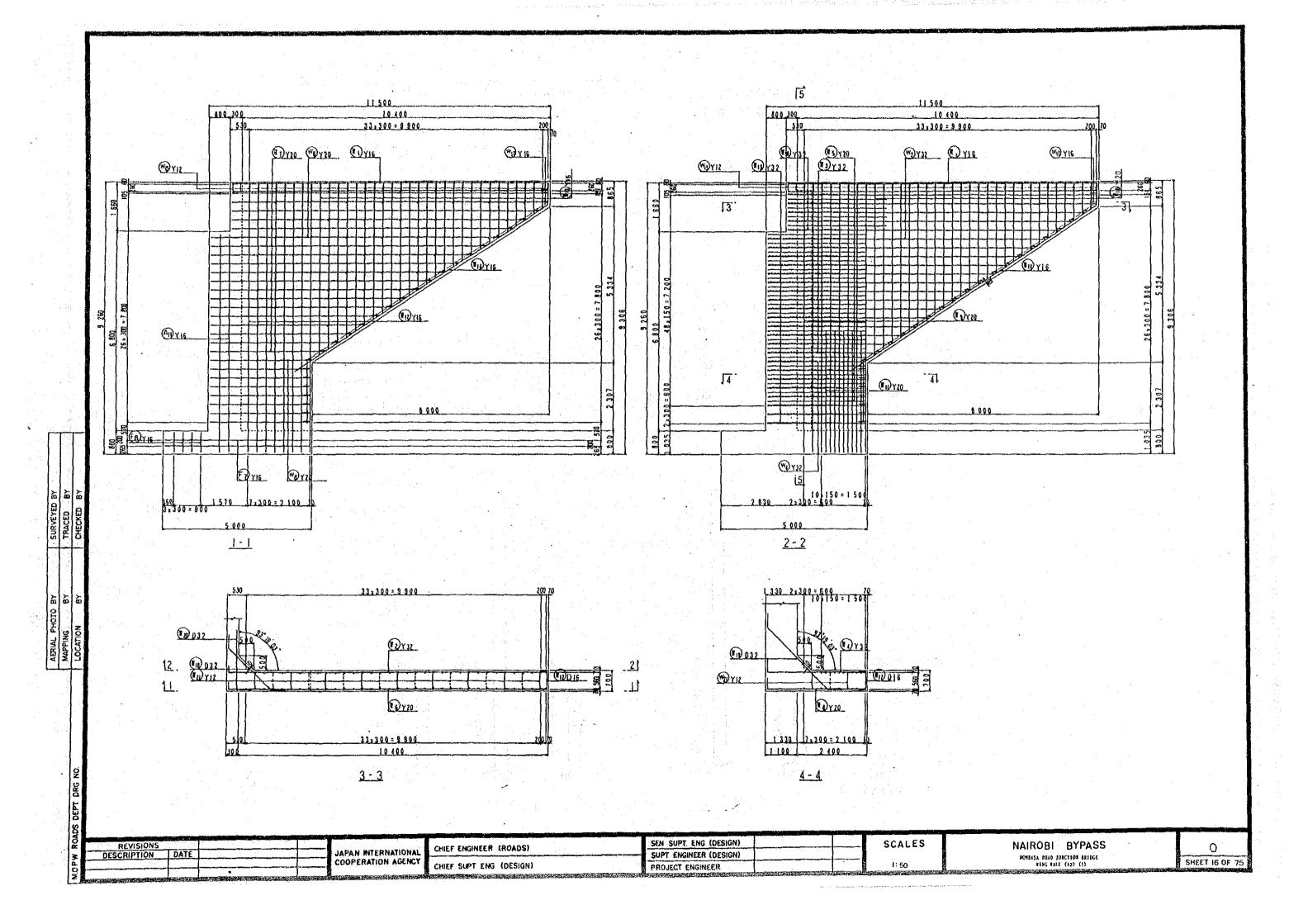
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1655.800
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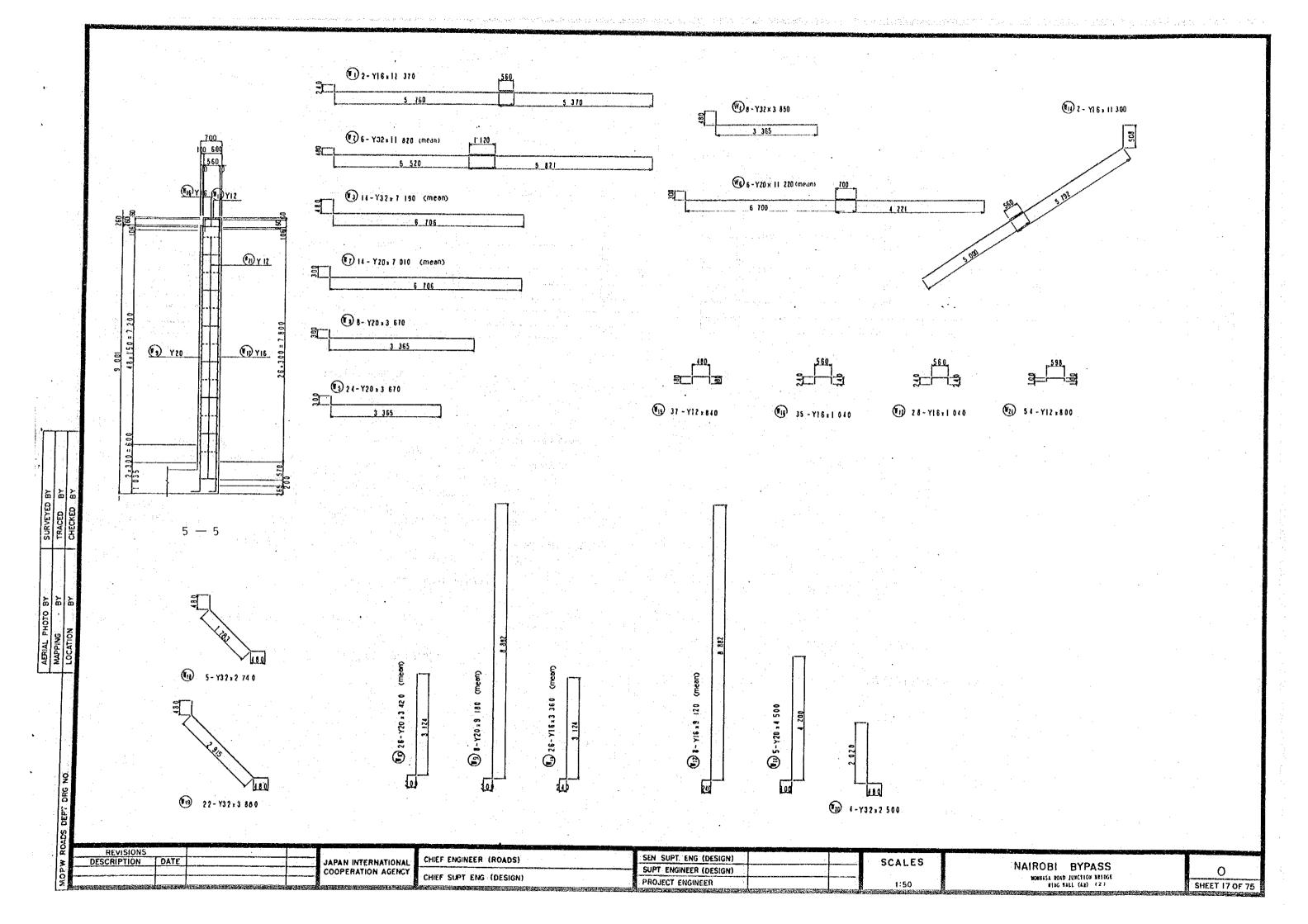
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67	52
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1654,625	1654,576





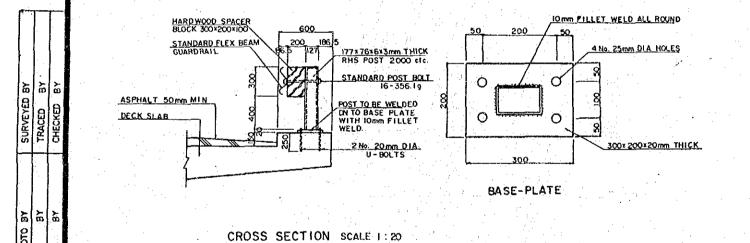






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VEHICLE BRIDGE PARAPET

HARDWOOD SPACER BLOK 300 × 200 × 100 mm THICK

PROFILE SCALE 1:20

STANDARD FLEX BEAM GUARD RALL

2.0 m PANELS STRAIGHT

AERIAL. MAPPIN

