THE SOCIALIST REPUBLIC OF THE UNION OF BURMA

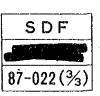
FEASIBILITY STUDY ON IRRAWADDY RIVER BRIDGE CONSTRUCTION PROJECT

FINAL REPORT
DRAWINGS

MARCH 1987



JAPAN INTERNATIONAL COOPERATION AGENCY





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FEASIBILITY STUDY ON IRRAWADDY RIVER BRIDGE CONSTRUCTION PROJECT

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国際協力事業団 ^{受入} 787.5.1 L104 ^{各録} 16300 SDF

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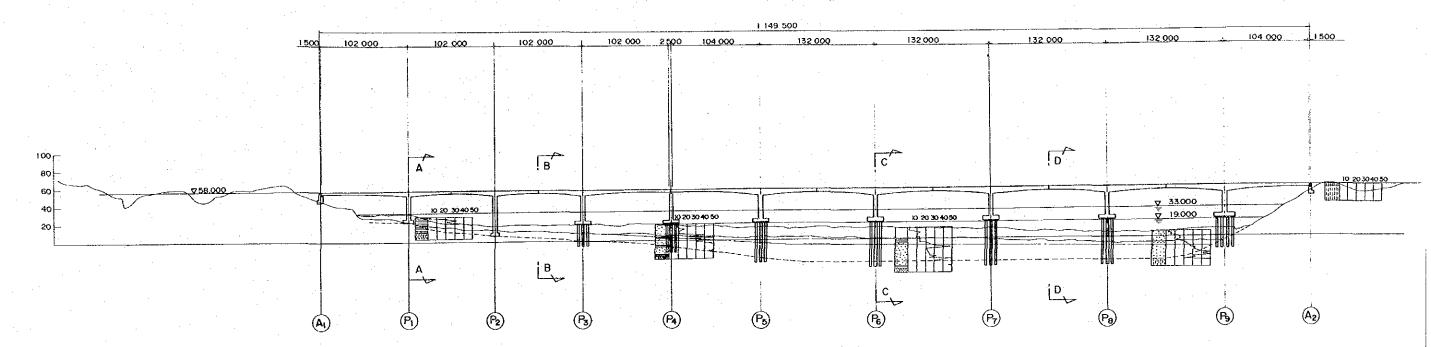
ROAD BRIDGE

Rail-cum-Road Bridge

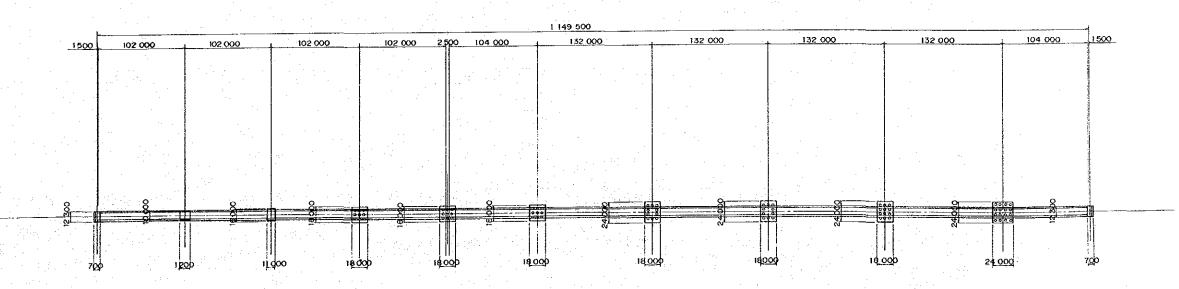
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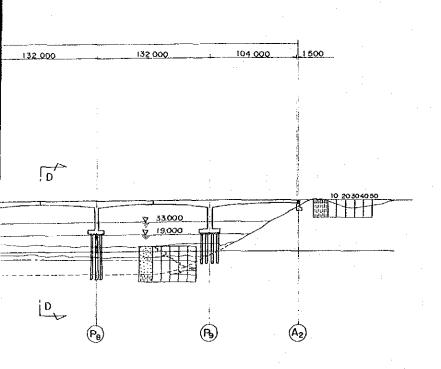
ELEVATION



PLAN

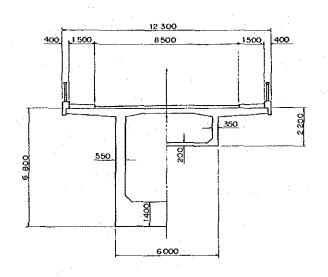


ROAD BRIDGE

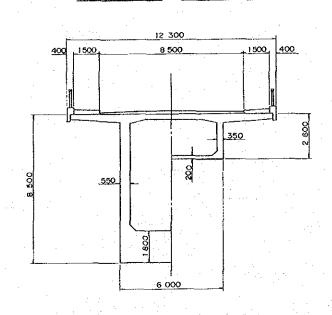


SECTION S=1:100

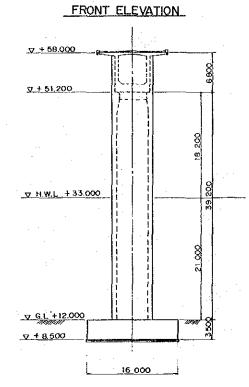
SECTION A-A SECTION B-B



SECTION C-C SECTION D-D



P2 PIER 8=1:300



P4 PIER s+1:300

P₈ PIER

FRONT EL

6750 4

v + 58.000

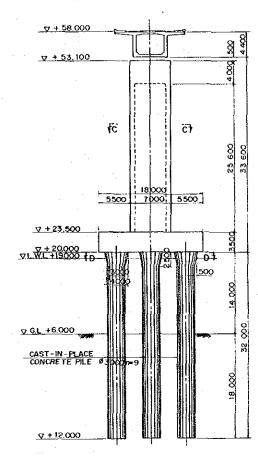
♥ + 49.500

▼ + 20,000 ▼ W 119000 | | |

CAST - IN - PLACE CONCRETE Ø 3000 n=1

▽ G.L. - 7.000

v - 31.000



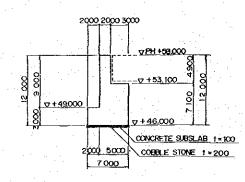
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DESIGN CONDITIONS

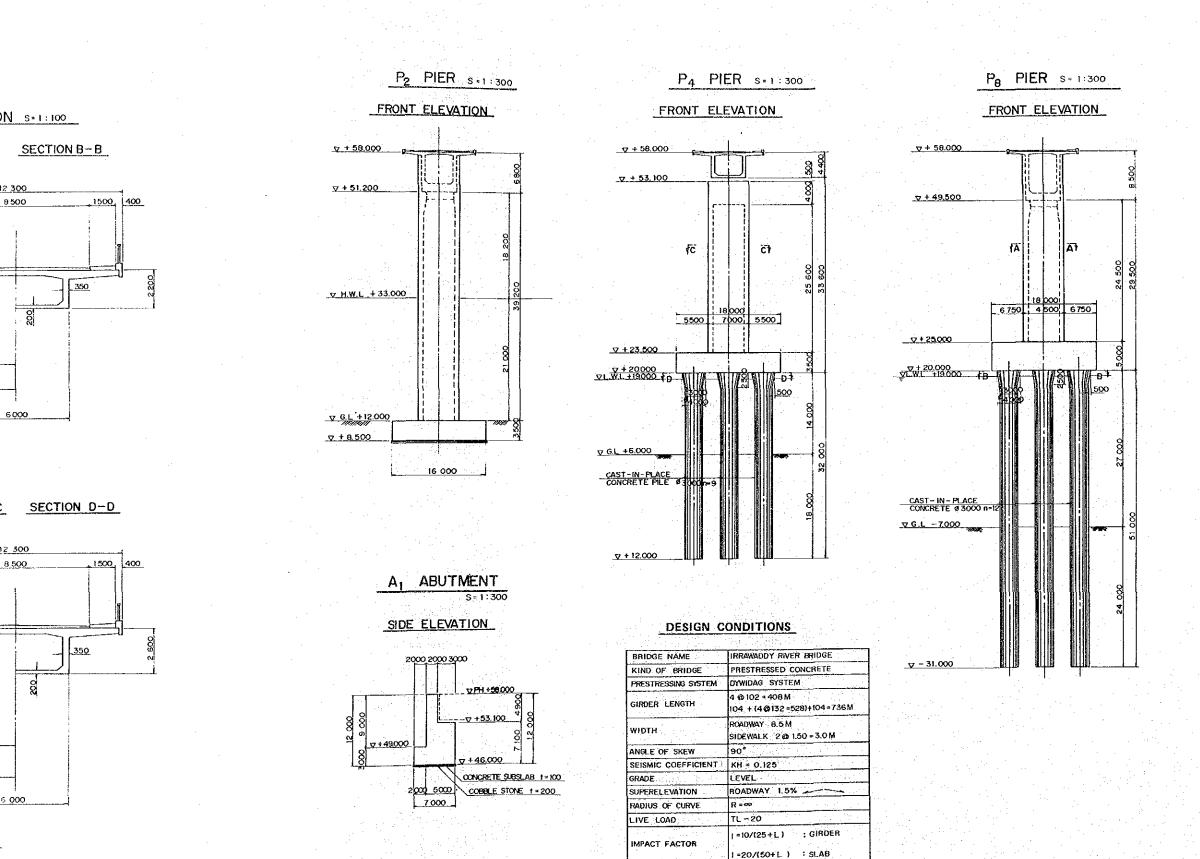
BRIDGE NAME	IRRAWADDY RIVER BRIDGE	
KIND OF BRIDGE	PRESTRESSED CONCRETE	
PRESTRESSING SYSTEM	DYWIDAG SYSTEM	
GIRDER LENGTH	4 @ 102 = 408 M 104 + (4@132 =528)+104 =736M	
жіртн :	ROADWAY 8.5 M SIDEWALK 2 @ 1.50 = 3.0 M	
ANGLE OF SKEW	90°	
SEISMIC COEFFICIENT	KH = 0.125	
GRADE	LEVEL	
SUPERELEVATION	ROADWAY 1.5%	
RADIUS OF CURVE	R=co	
LIVE LOAD	TL -20	
IMPACT FACTOR	=10/(25+L) ; GIADER	
	1=20/(50+L) : SLAB	

SIDE ELEVATION

A ABUTMENT

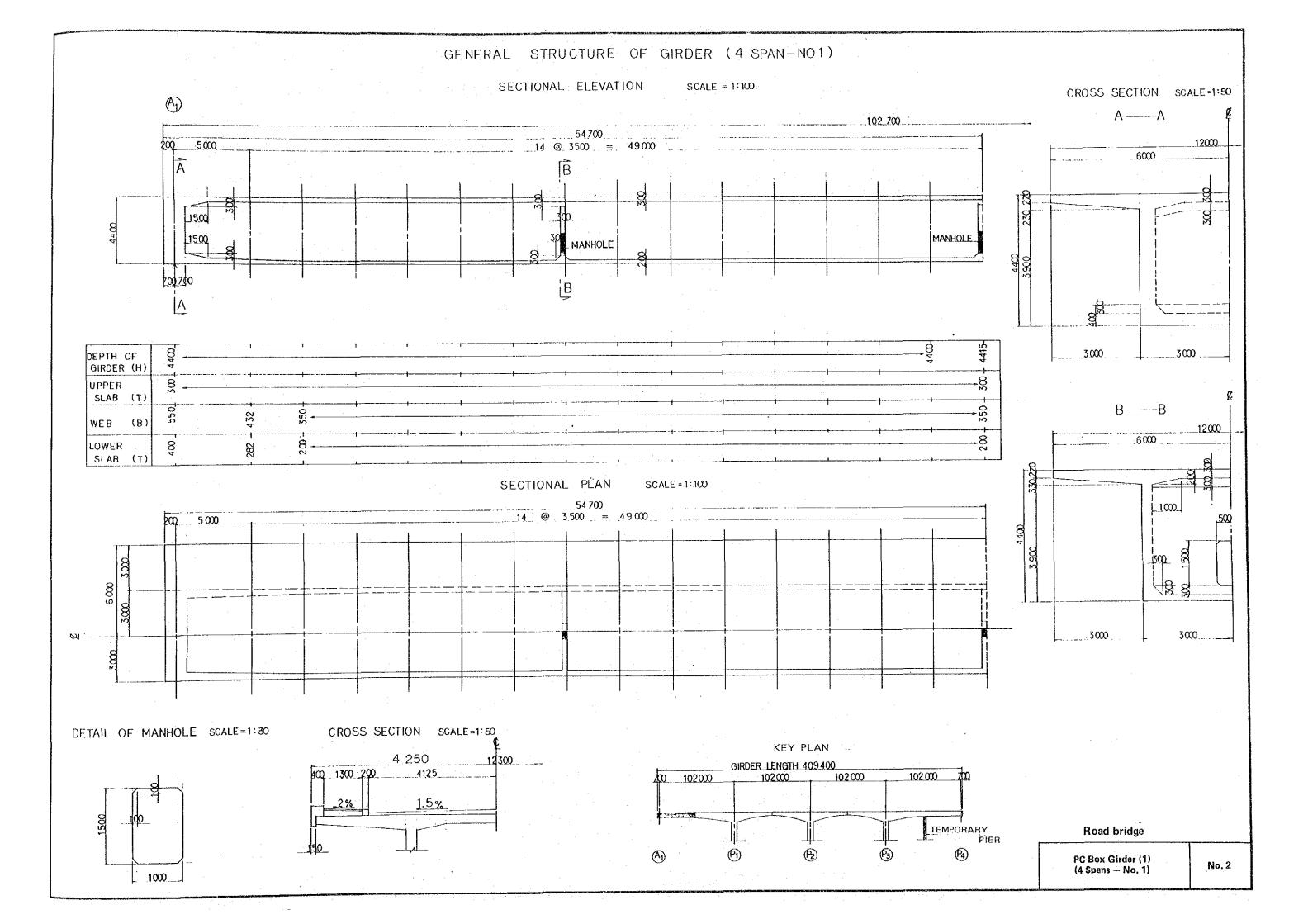


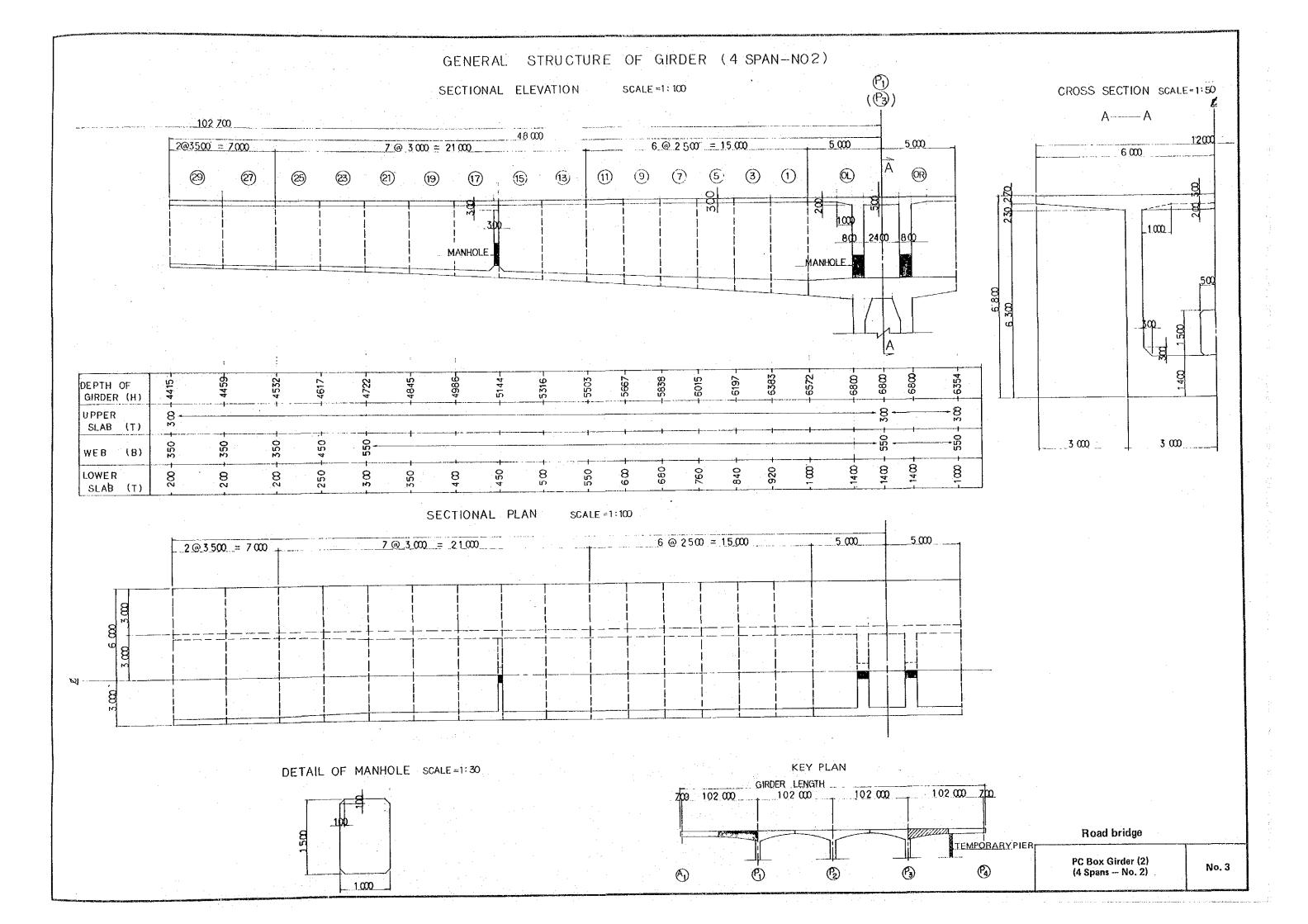
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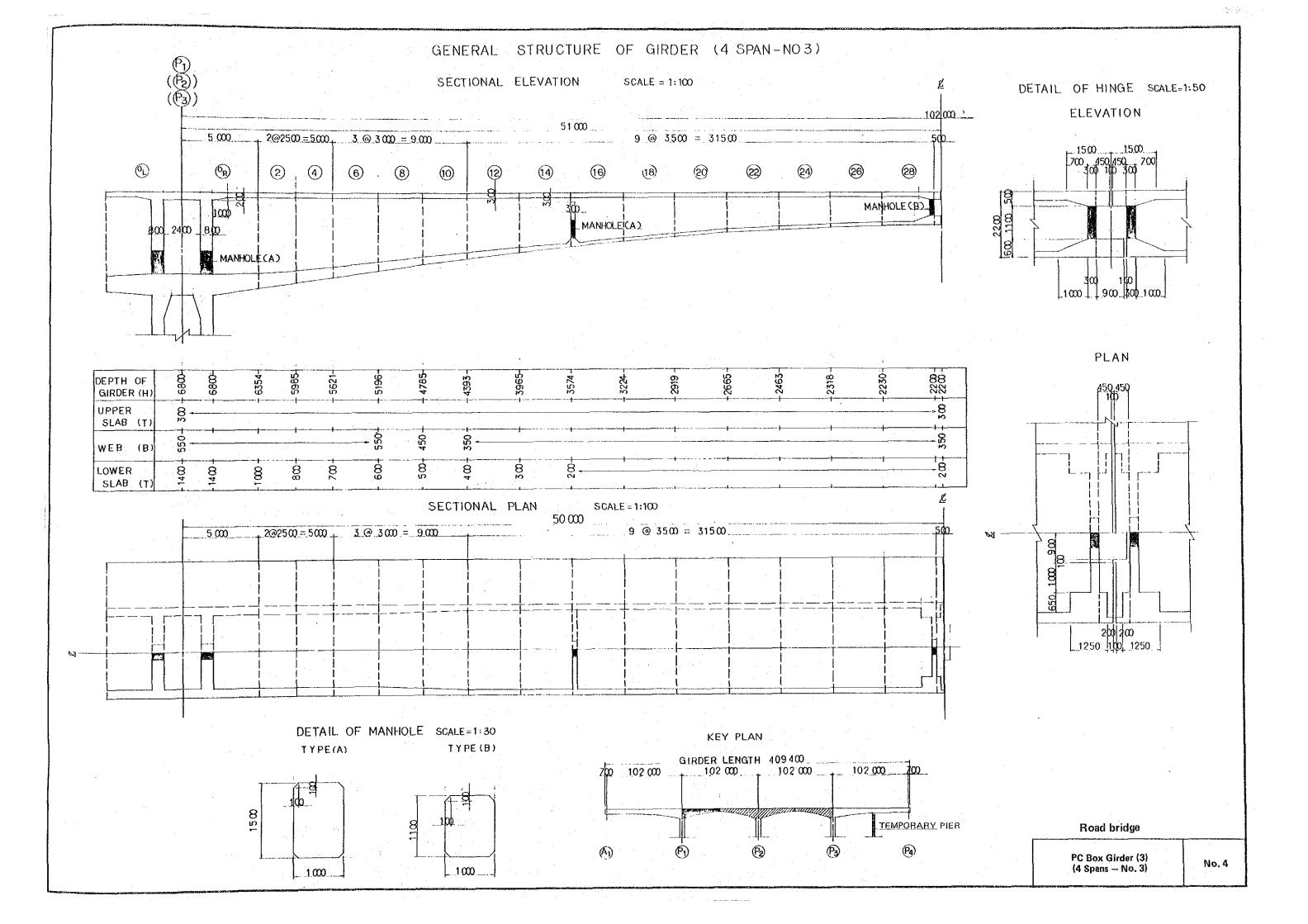


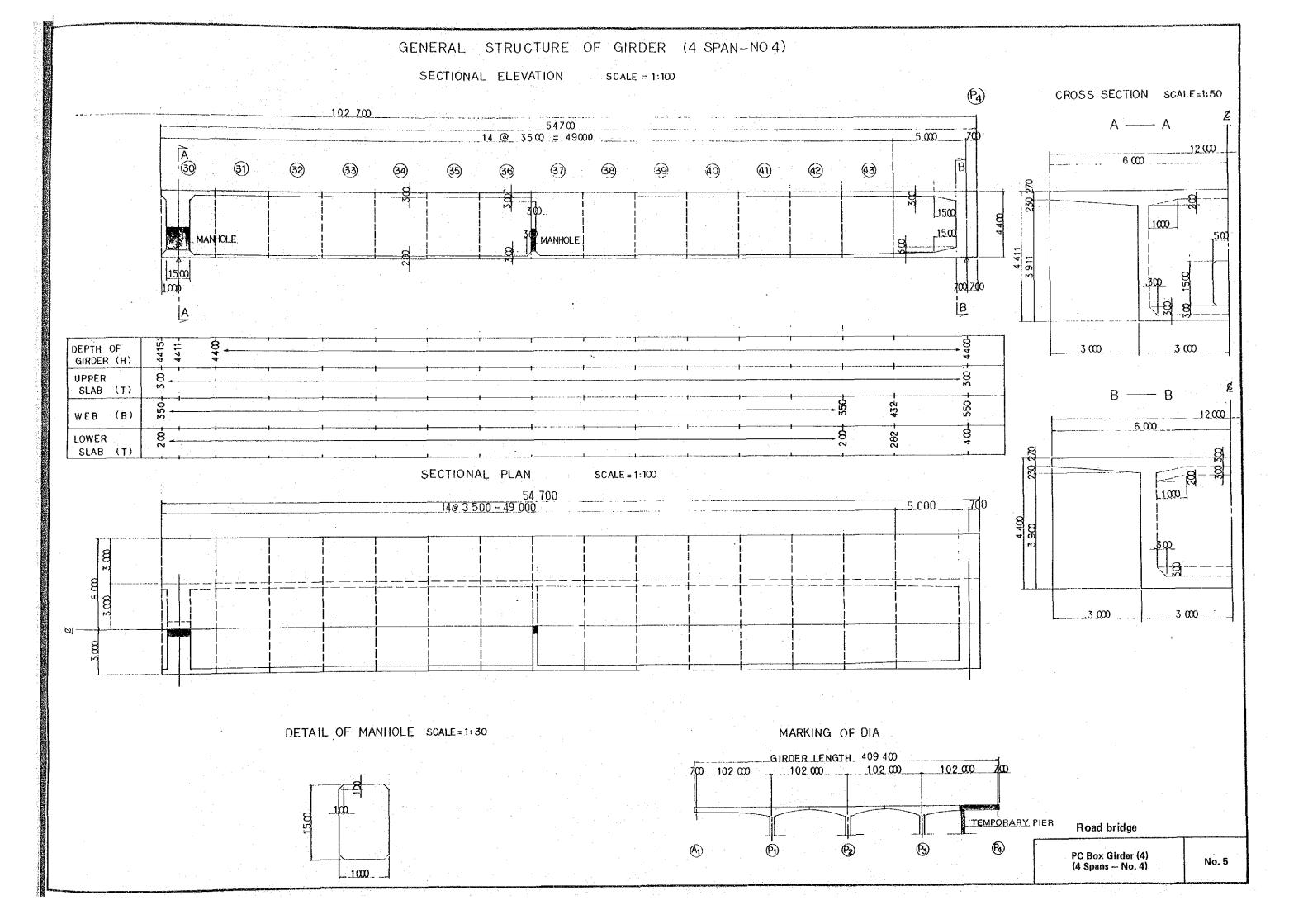
Road bridge

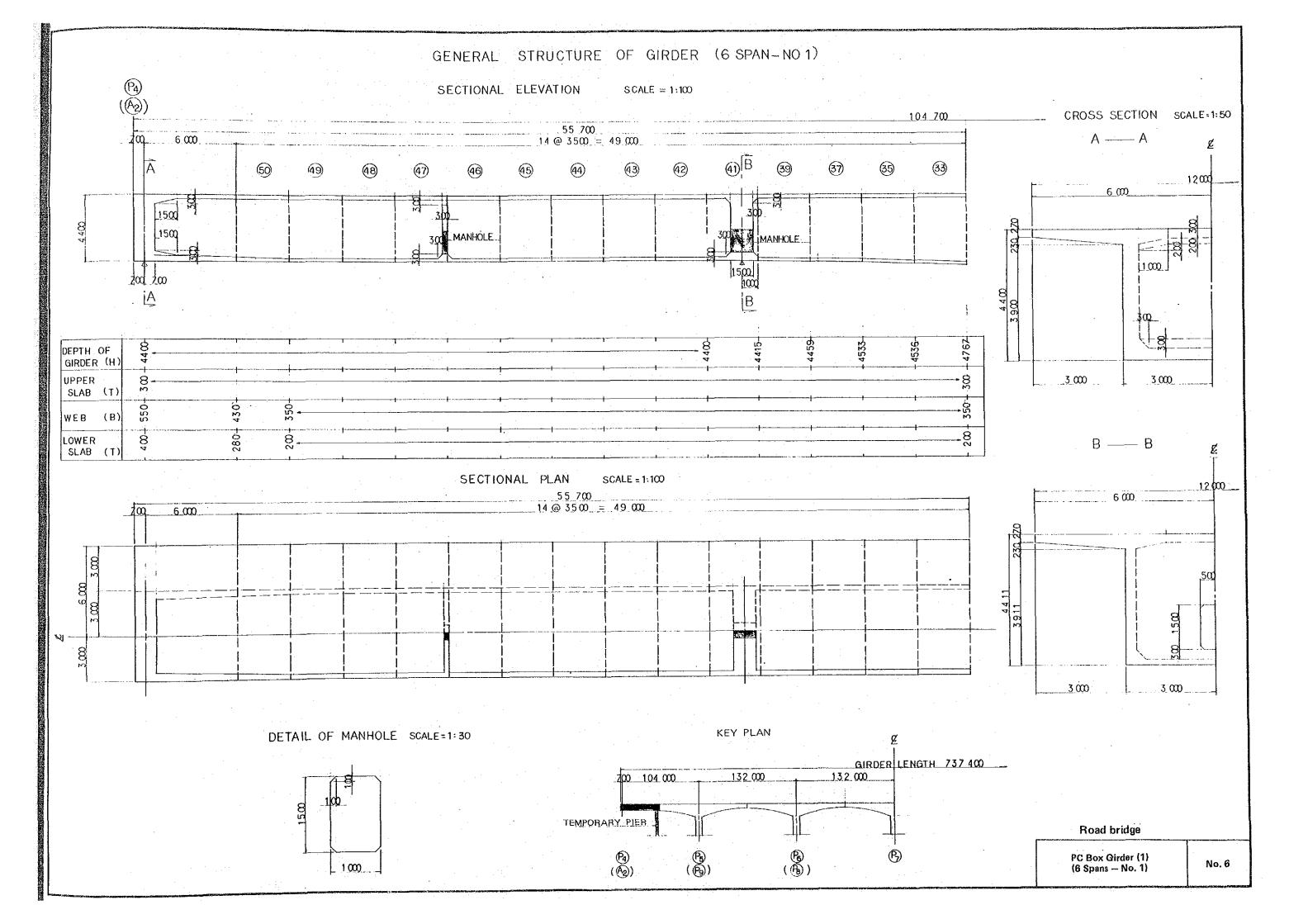
General View

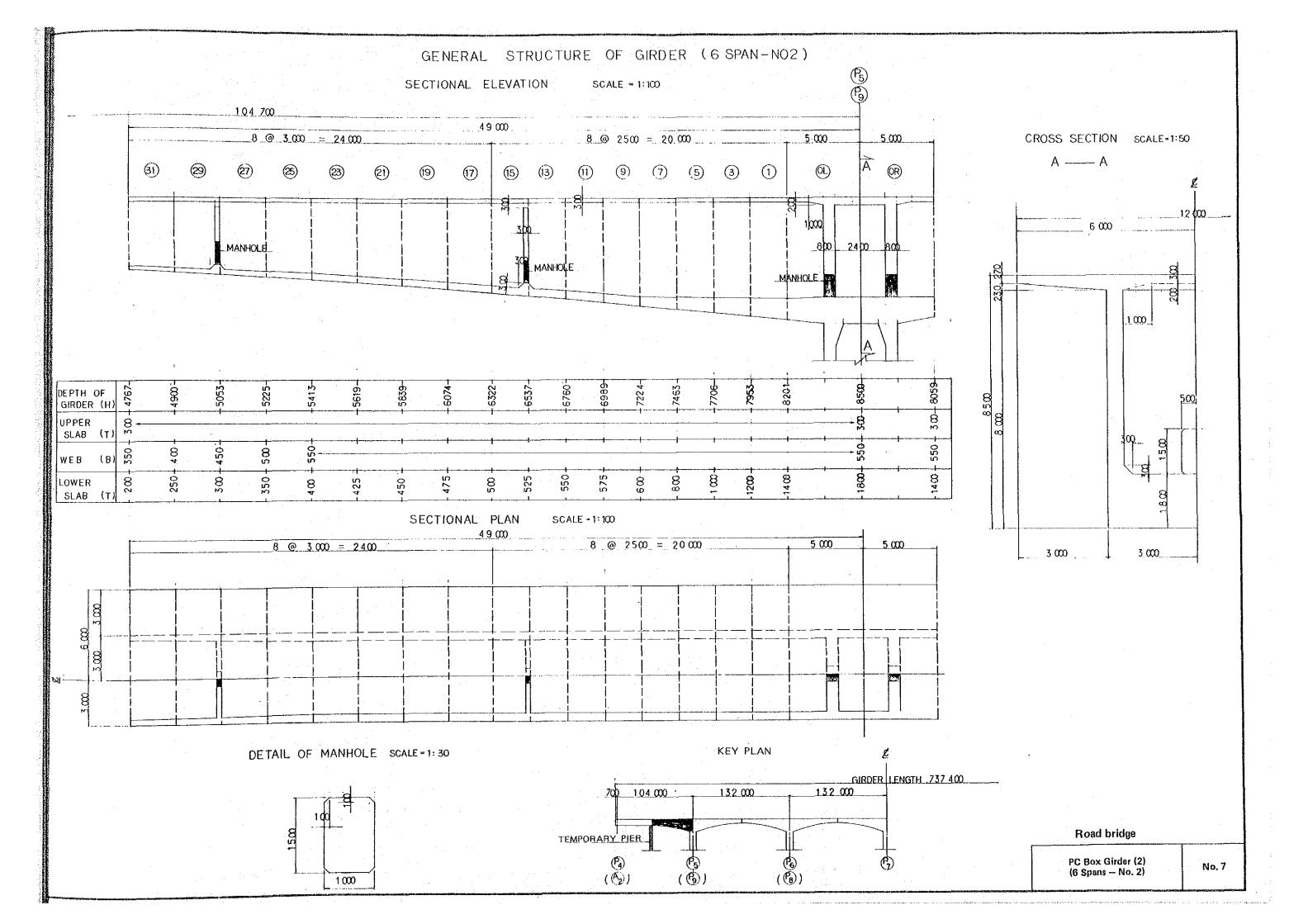


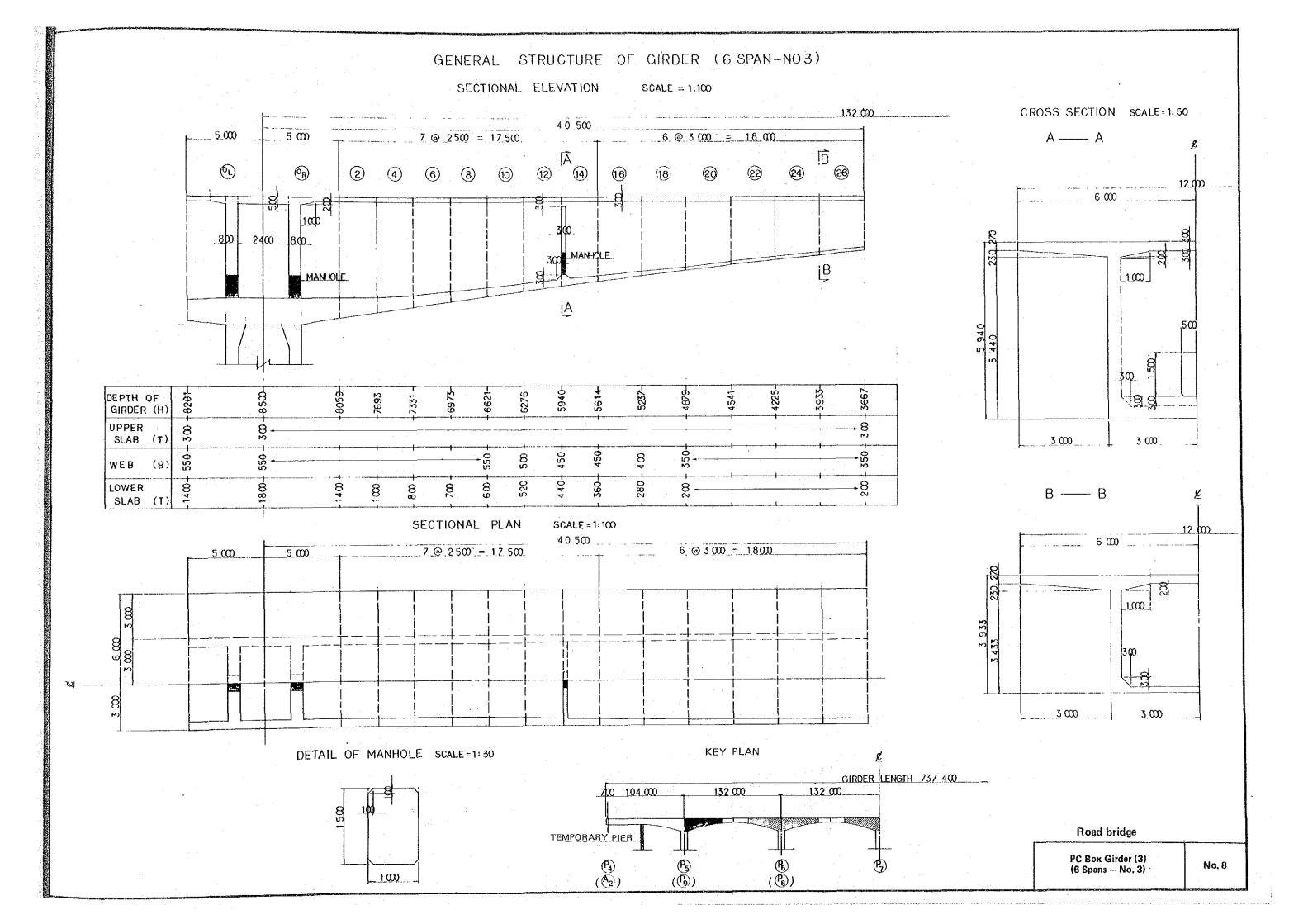


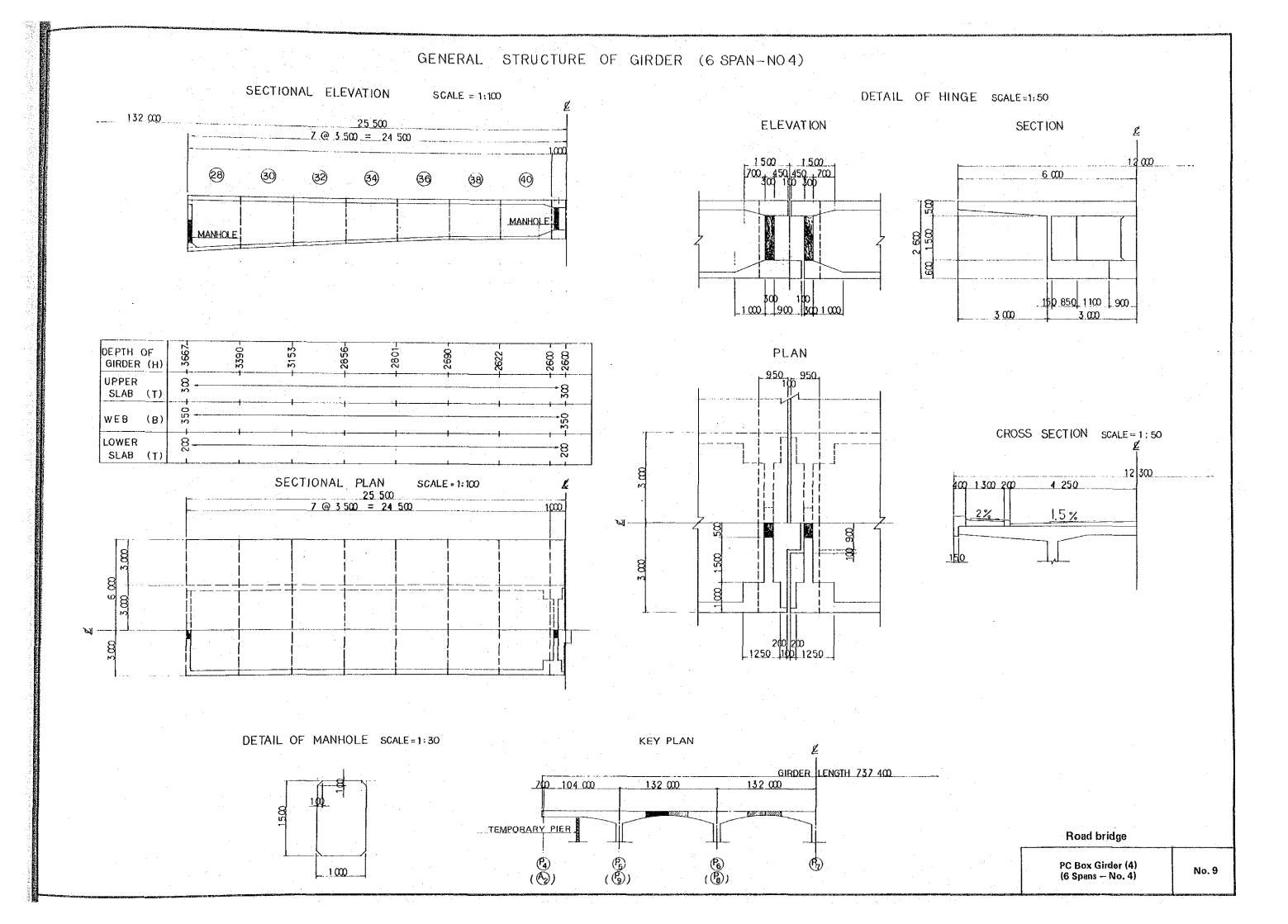








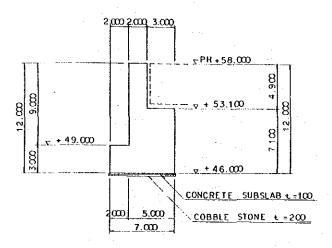




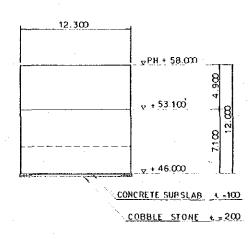
A: ABUTMENT

A2 ABUTMENT

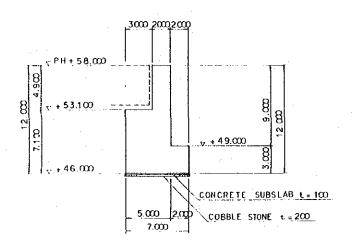
SIDE ELEVATION



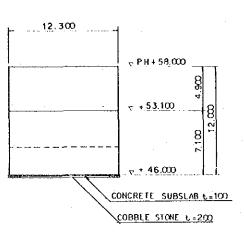
FRONT ELEVATION



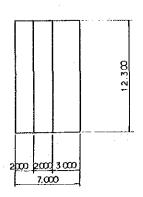
SIDE ELEVATION



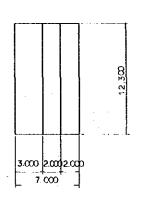
FRONT ELEVATION



PLAN_

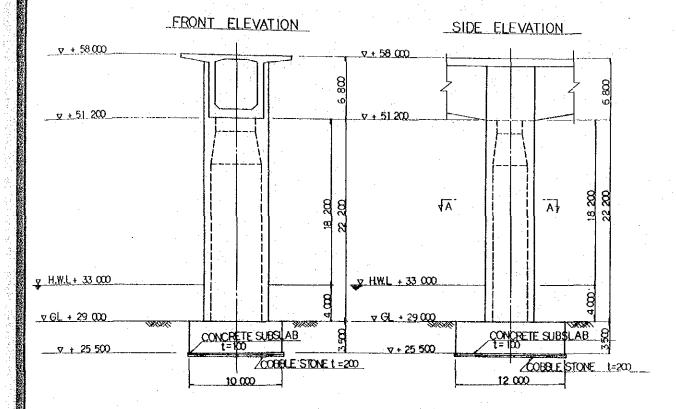


PLAN

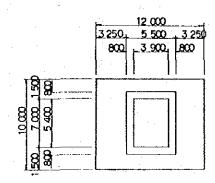


Road bridge

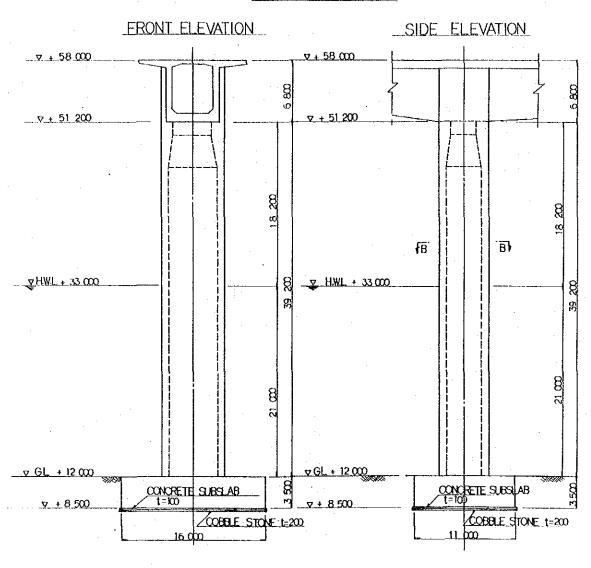
P1 PIER S= 1/200



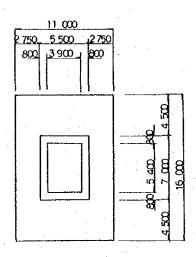
SECTION A-A



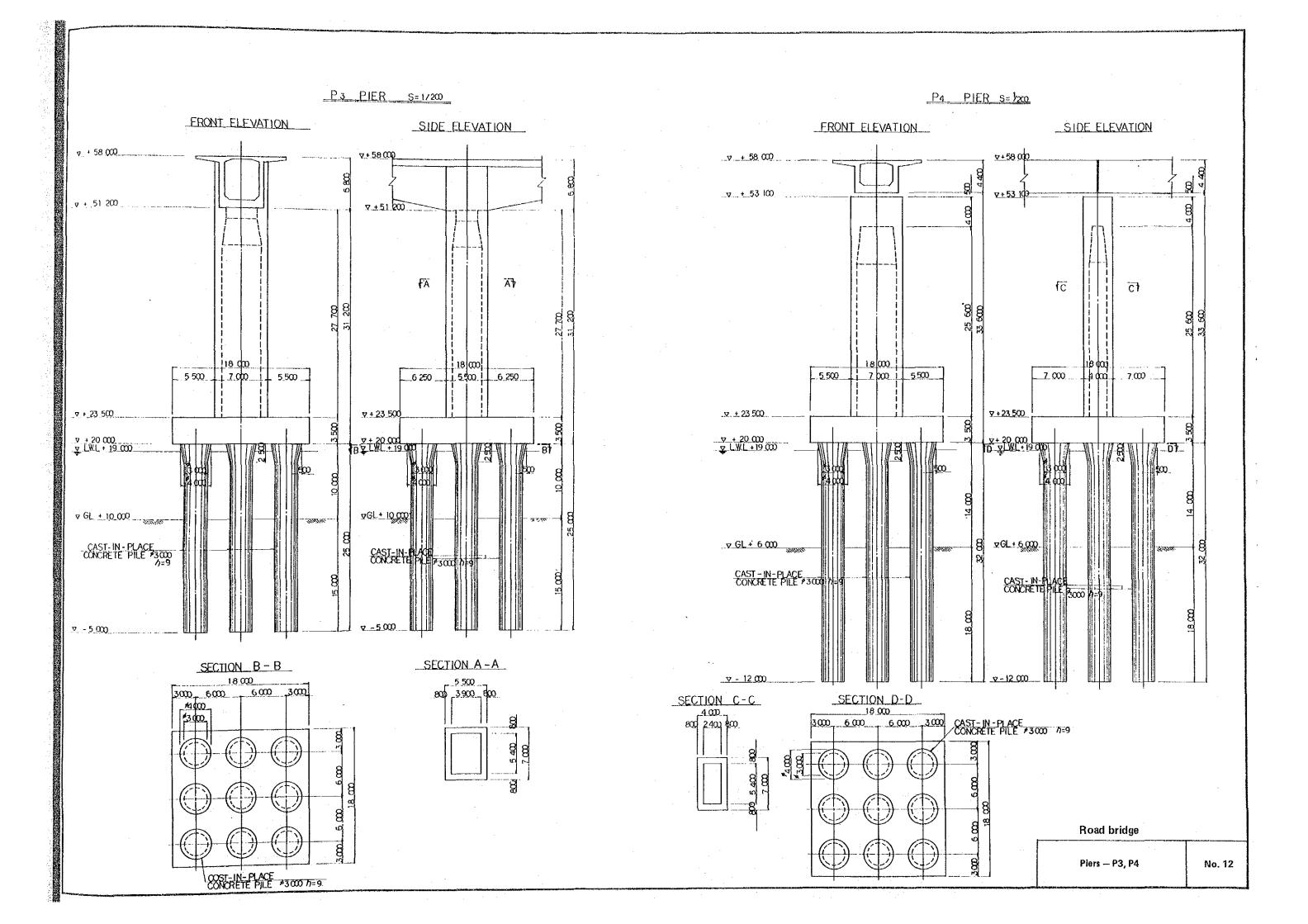
P2 PIER S=1/200

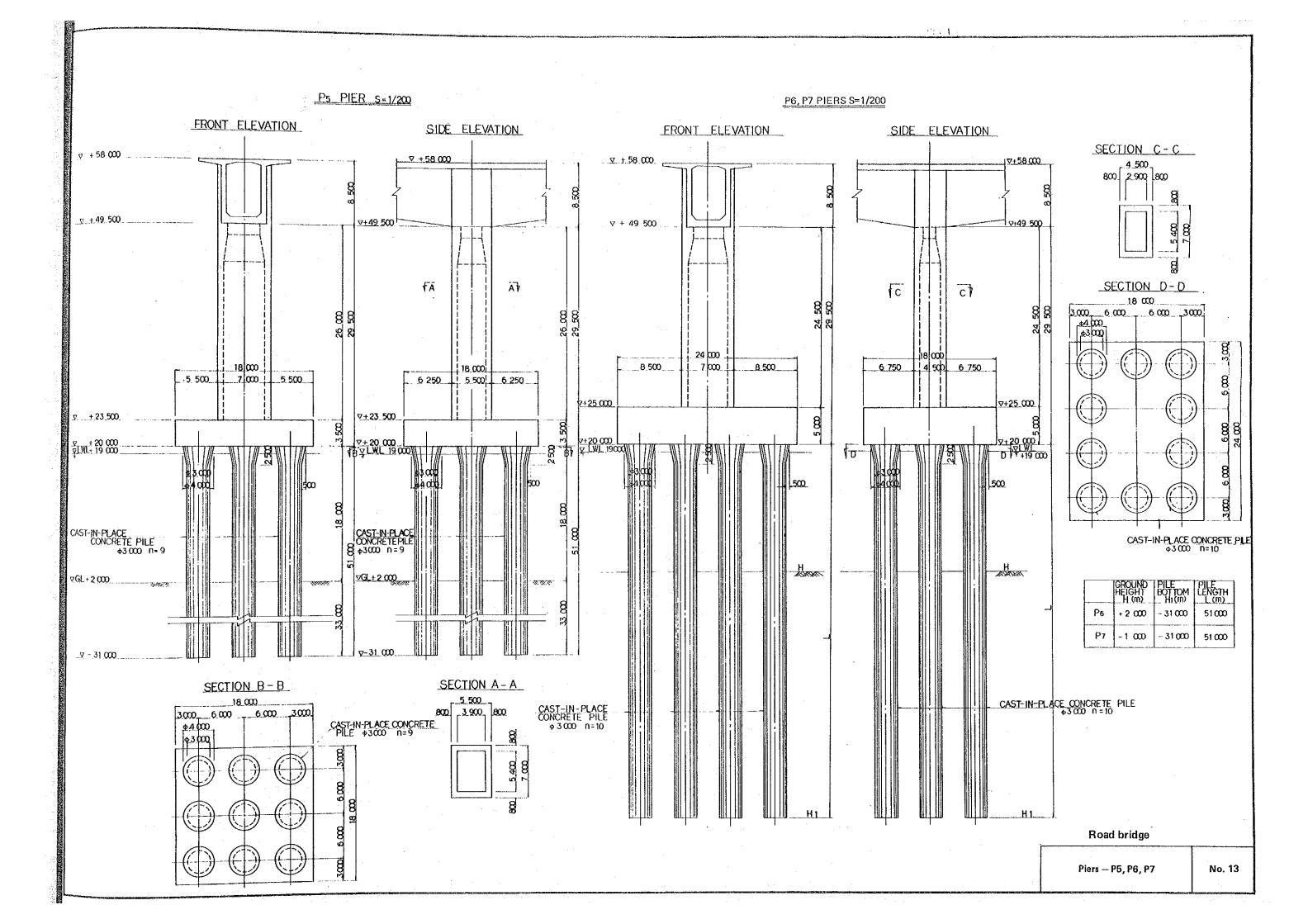


_ SECTION B-B

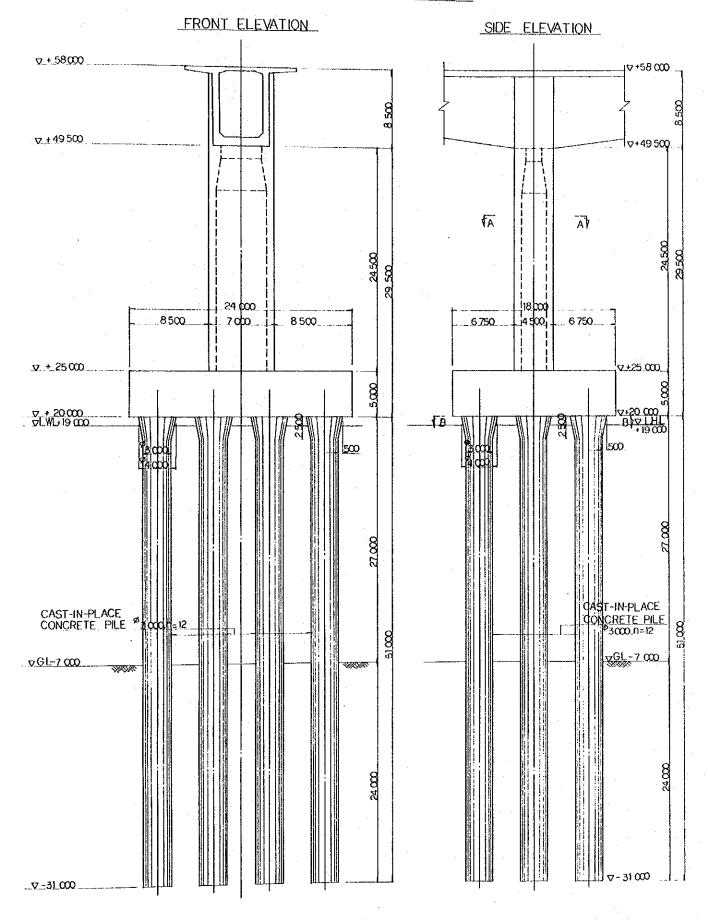


Road bridge

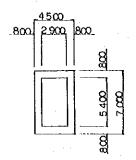




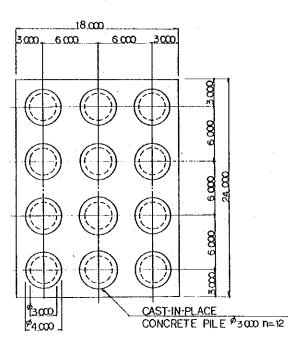
Pa PIER S=1/200



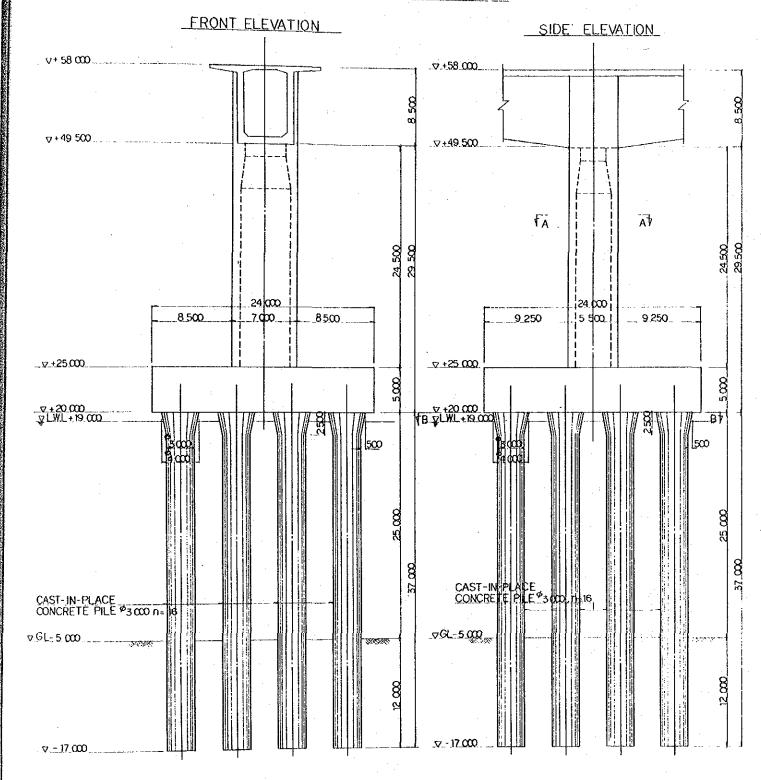
SECTION A-A

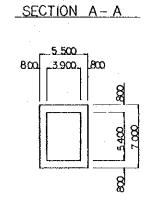


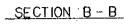
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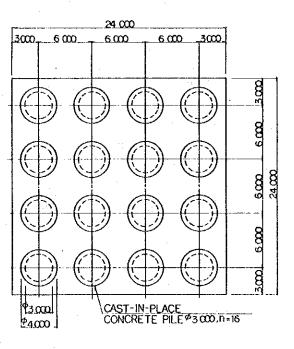


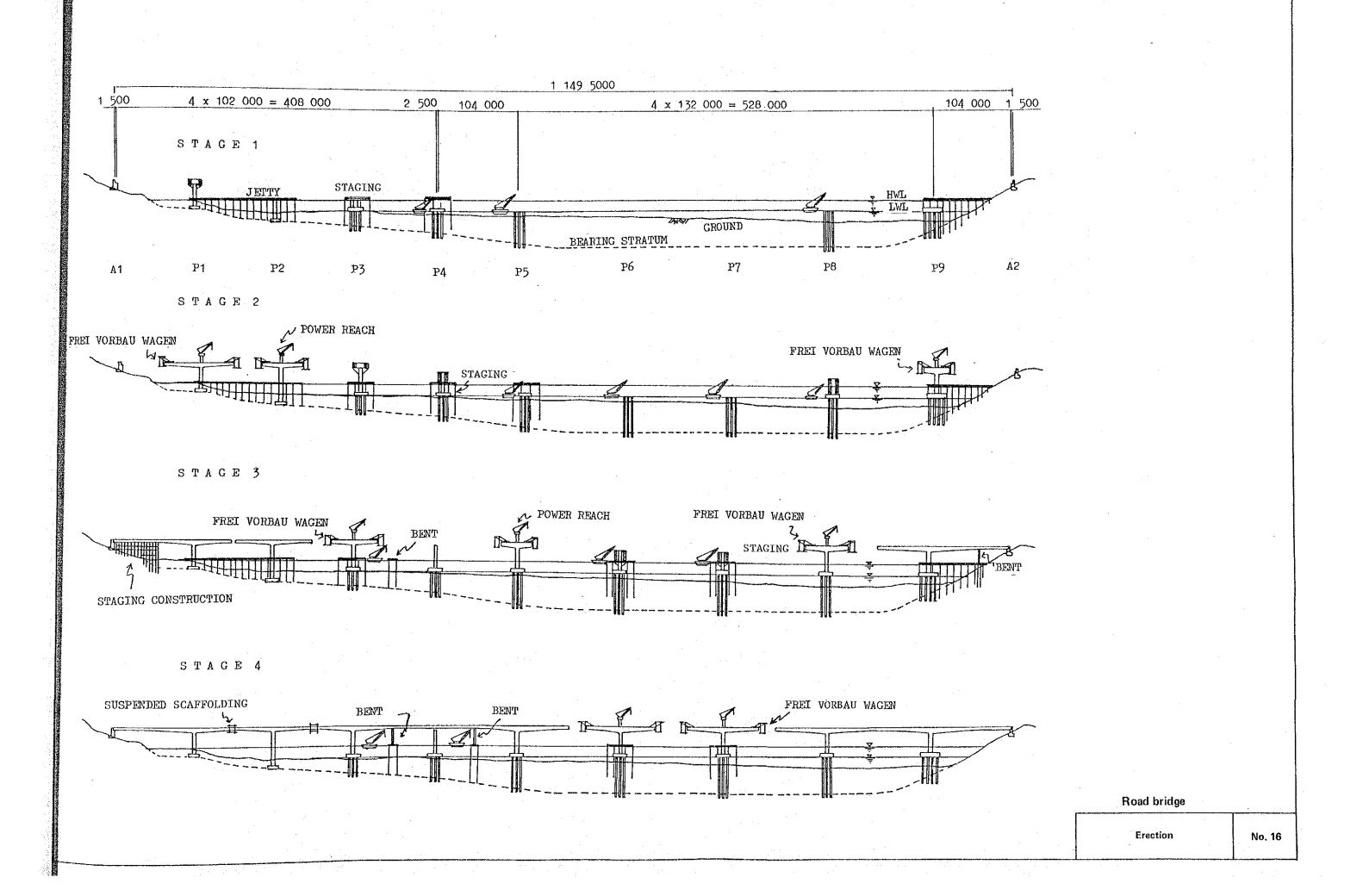
P9 PIER \$=1/200



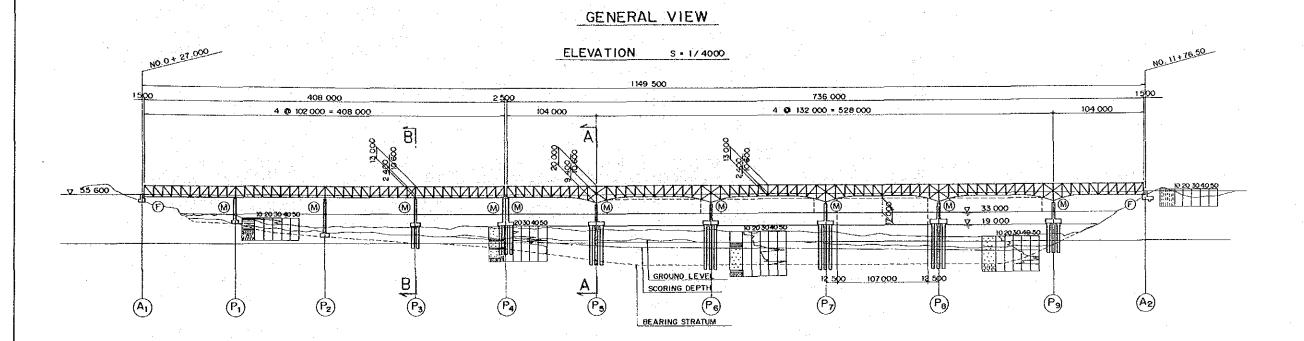


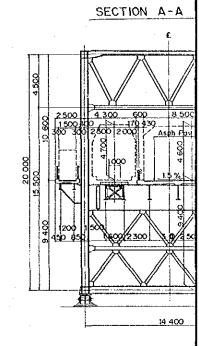


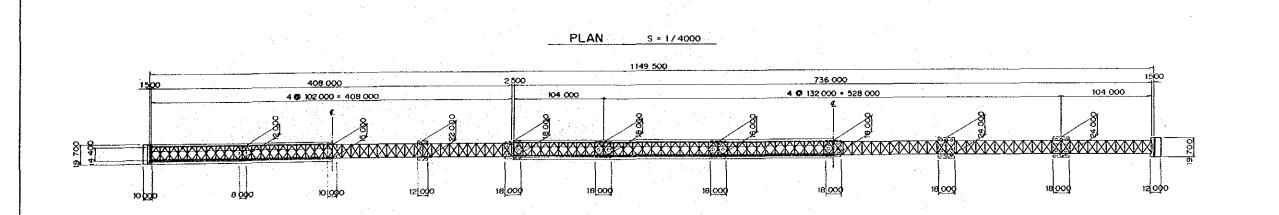


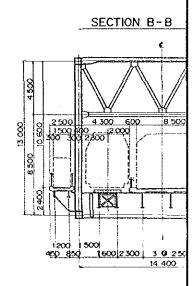


ROADWAY WITH RAILWAY BRIDGE

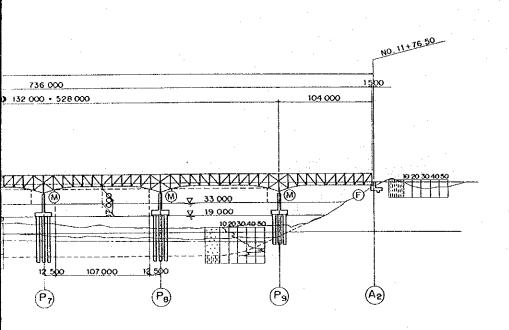


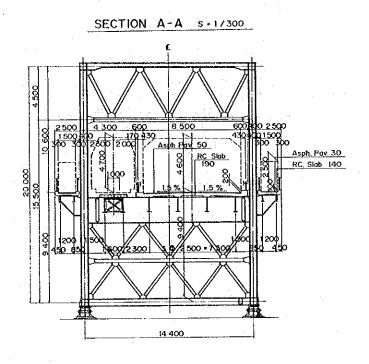


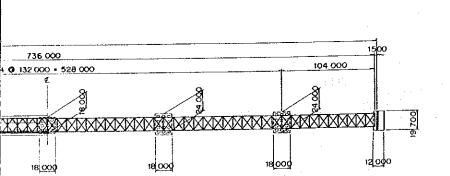


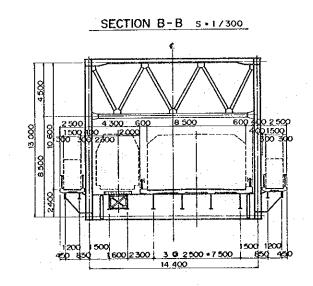


ROADWAY WITH RAILWAY BRIDGE

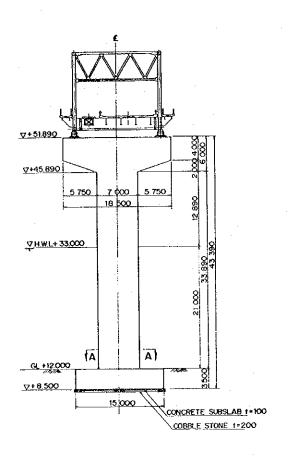








P2 PIER FRONT ELEVATION



V+44.790

V+37.790

V+23.500

V+23.500

V+23.500

V+20.000

Min-19x00 A

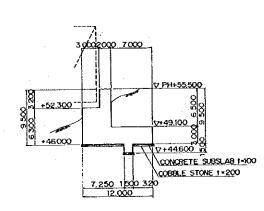
Solve Signature Signatu

P5 (P6,P7) PIER s = 1/600

FRONT ELEVATION

A2 ABUTMENT

SIDE ELEVATION



DESINGE CONDISION

BRIDGE NAME	IRRAWADDY RIVER BRIDGE		
KIND OF BRIDGE	STEEL TRUSS BRIDGE		
GIRDER LENGTH	4 © 102 = 408% 104+{4 © 132 = 528}+104 = 736m		
WIDTH	ROADWAY 8.5M RAILWAY 3.81M SIDE WALK 2 0 1.50=3.0M		
ANGLE OF SKEW	90*		
SEISMIC COEFFICIENT	KH = 0.125		
GRADE	LEVEL		
SUPERELEVATION	ROADWAY 1.5 % SIDEWALK 2.0 %		
RADIUS OF CURVE	R≠∞		
LIVE LOAD	1 TL-20, Indian Railway Standard		
IMPACT FACTOR	1-20/(50+L); ROADWAY 1-0,48/[¤²+[0/(65+L]); RAILWAY		

♥ + 44.810

▼ + 37.810

▼ + 25.000

▼ + 20.000
▼ 1.91.9000 CM

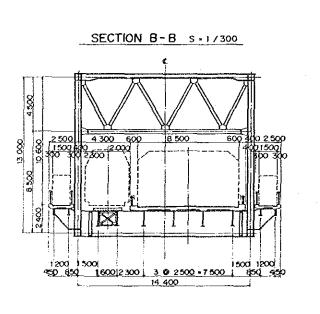
▼ 4.000

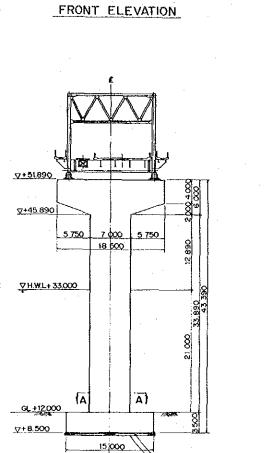
CAST-IN-PLACE CONCRETE PILE
■ 3.000 n=12

SECTION A-A S-1/300

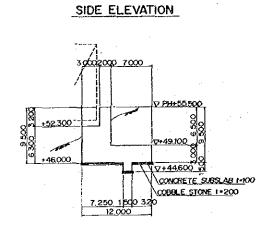
SECTION A

14 400



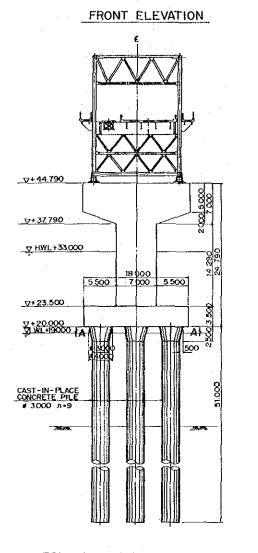


P2 PIER



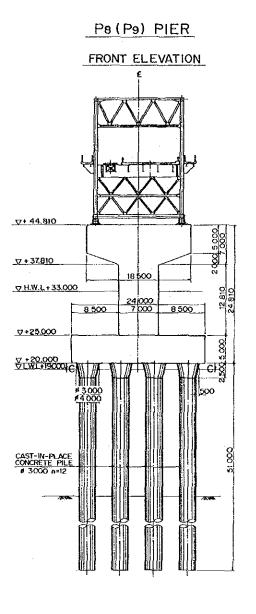
A2 ABUTMENT

CONCRETE SUBSLAB 1=100



P5 (P6,P7) PIER s = 1/600

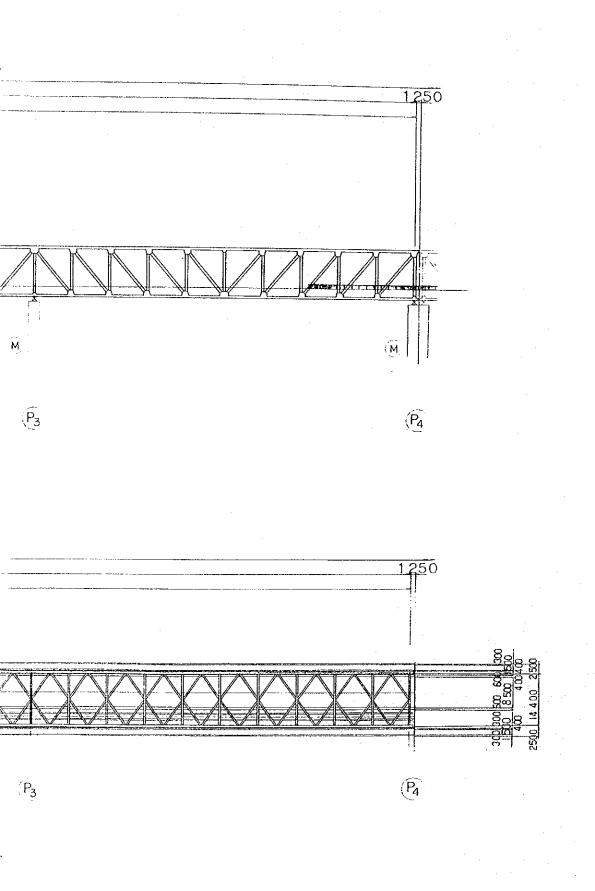
BRIDGE NAME	IRRAWADDY RIVER BRIDGE	
KIND OF BRIDGE	STEEL TRUSS BRIDGE 4 @ 102 * 408W 104+(4 @ 132=528)+104=736m	
GIRDER LENGTH		
WIDTH	ROADWAY 8.5M RAIL WAY 3.81 M SIDE WALK 2 0 1.50=3.0M	
ANGLE OF SKEW	90	
SEISMIC COEFFICIENT	KH = 0.125	
GRADE	LEVEL	
SUPERELEVATION	ROADWAY 1.5% SIDEWALK 20%	
RADIUS OF CURVE	R = ∞	
LIVE LOAD	1 TL-20, Indian Railway Standard	
IMPACT FACTOR	1-20/(50+L): ROADWAY	
]-0.48/(02+10/(85+L):RAILWAY	

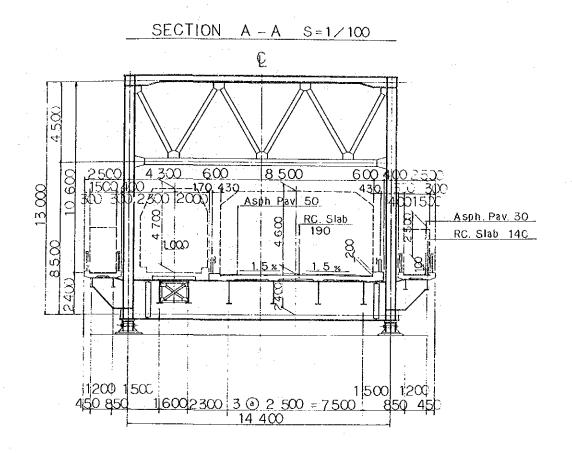


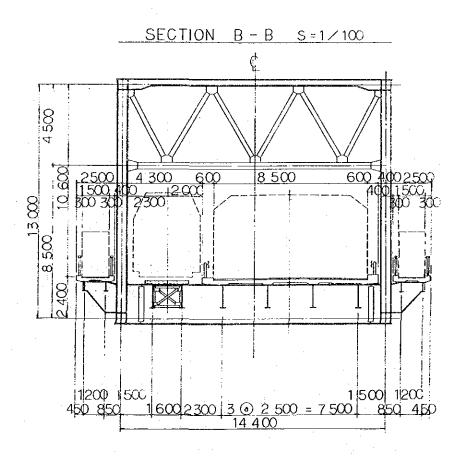
Rail-cum-Road Bridge

General View

ELEVATION S = 1 / 500 1 149 500 408 000 4 ③ 102 000 = 408 000 1500 10 (a) 10 200 = 102 000 (M) M $(\widetilde{\mathbf{M}})$ B $(\widehat{P_3}$ $\sqrt{A_1}$ PLAN S = 1 / 5001 149 500 408 000 4 ② 102 000 = 408 000 10 (a) 10 200 = 102 000

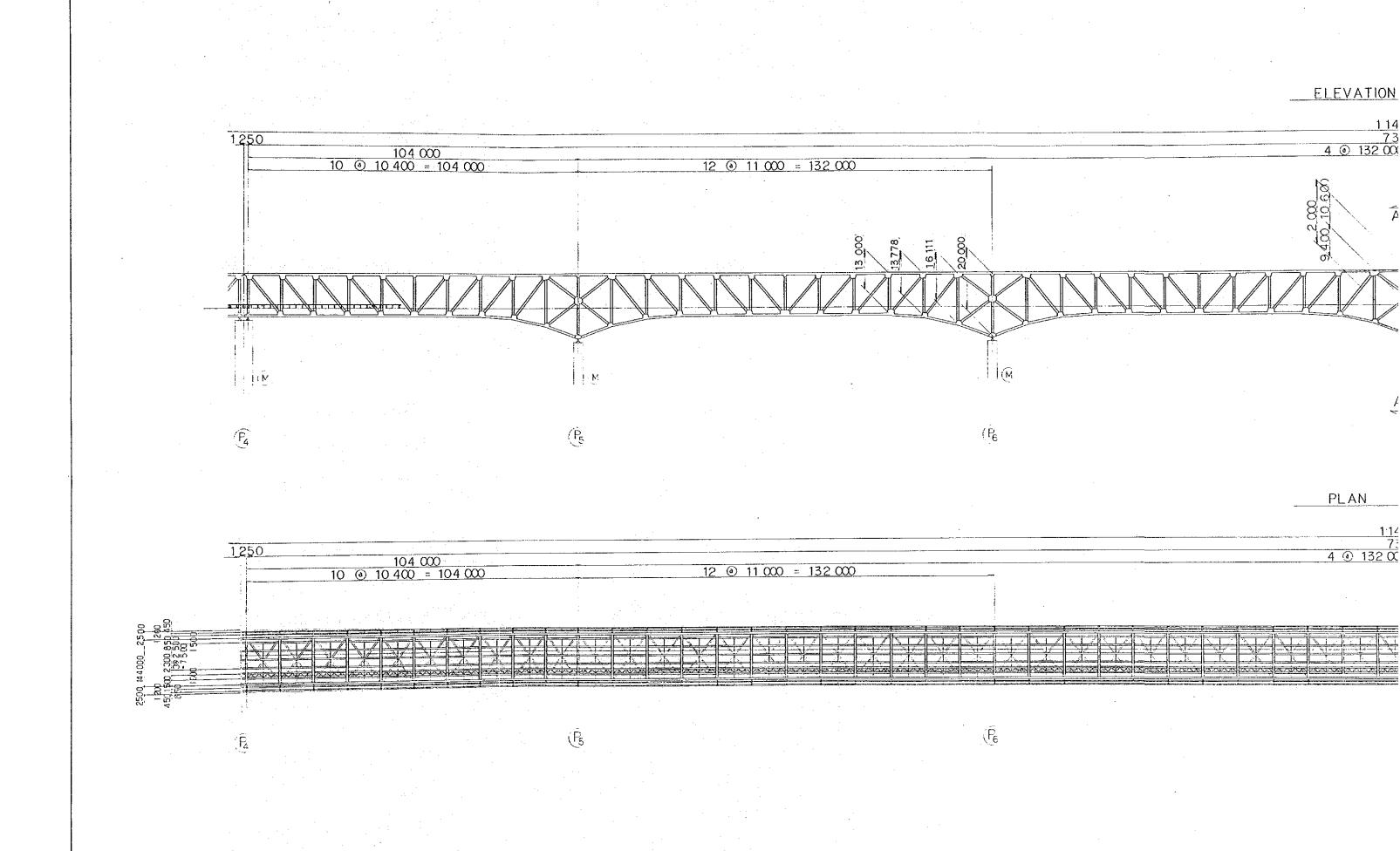


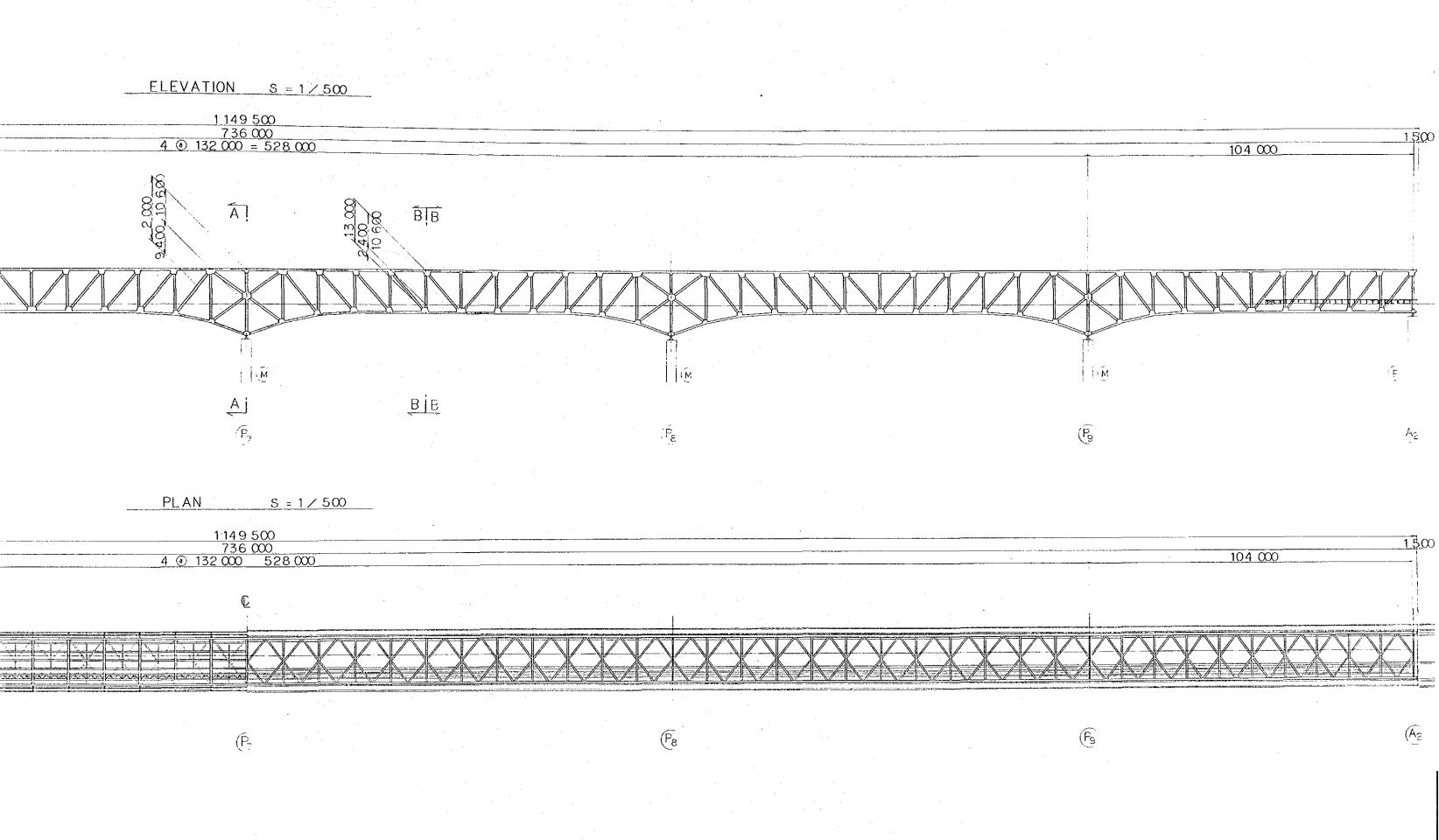


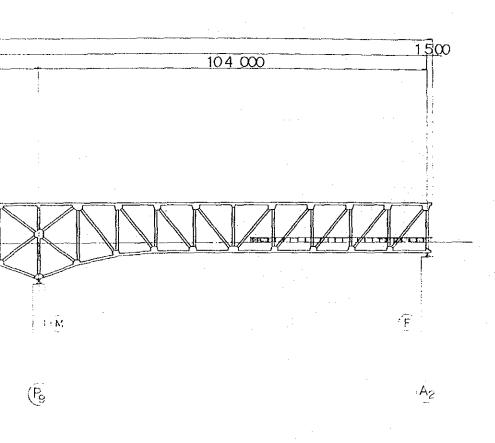


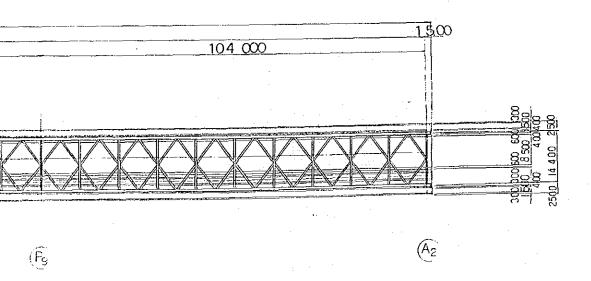
Rail-cum-Road Bridge

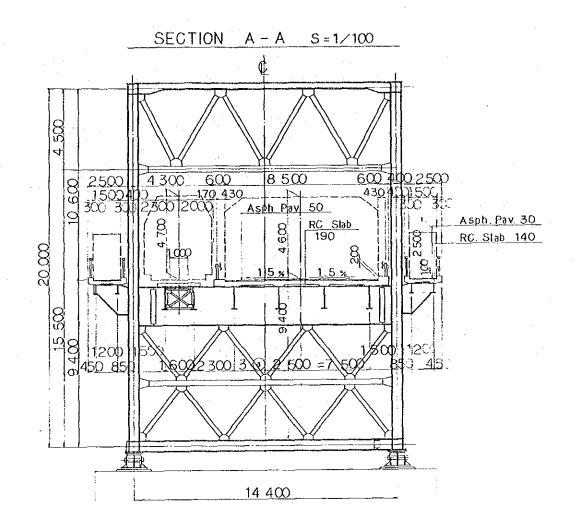
Truss (4 Spans)

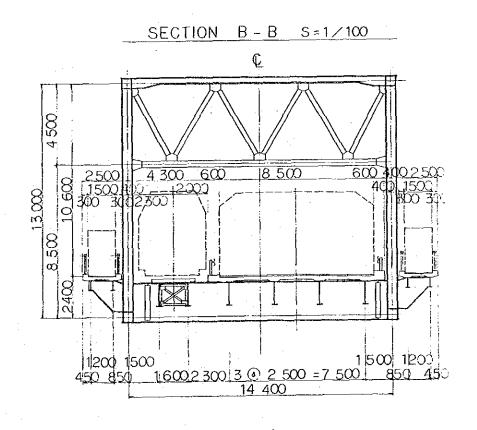












Rail-cum-Road Bridge

Truss (6 Spans)

No. 19

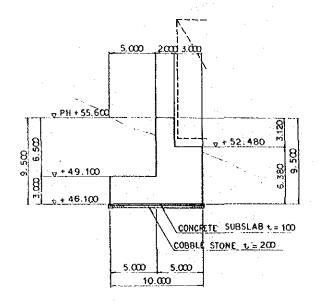
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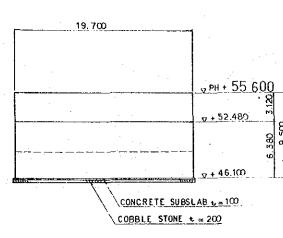
A1 ABUTMENT

A2 ABUTMENT

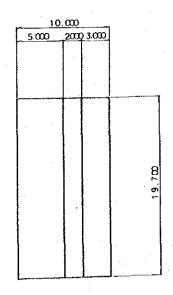
SIDE ELEVATION

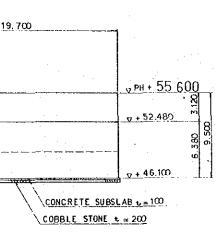
FRONT ELEVATOR



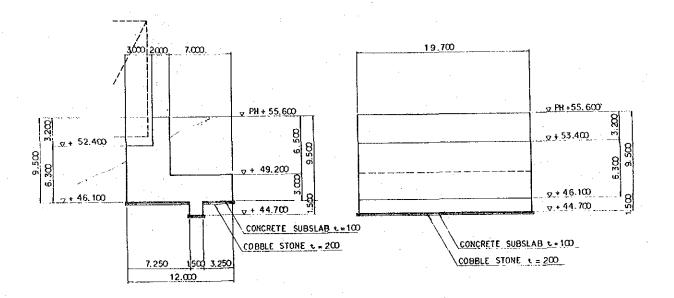


PLAN

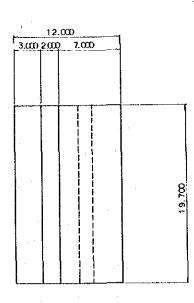




FRONT ELEVATION SIDE ELEVATON

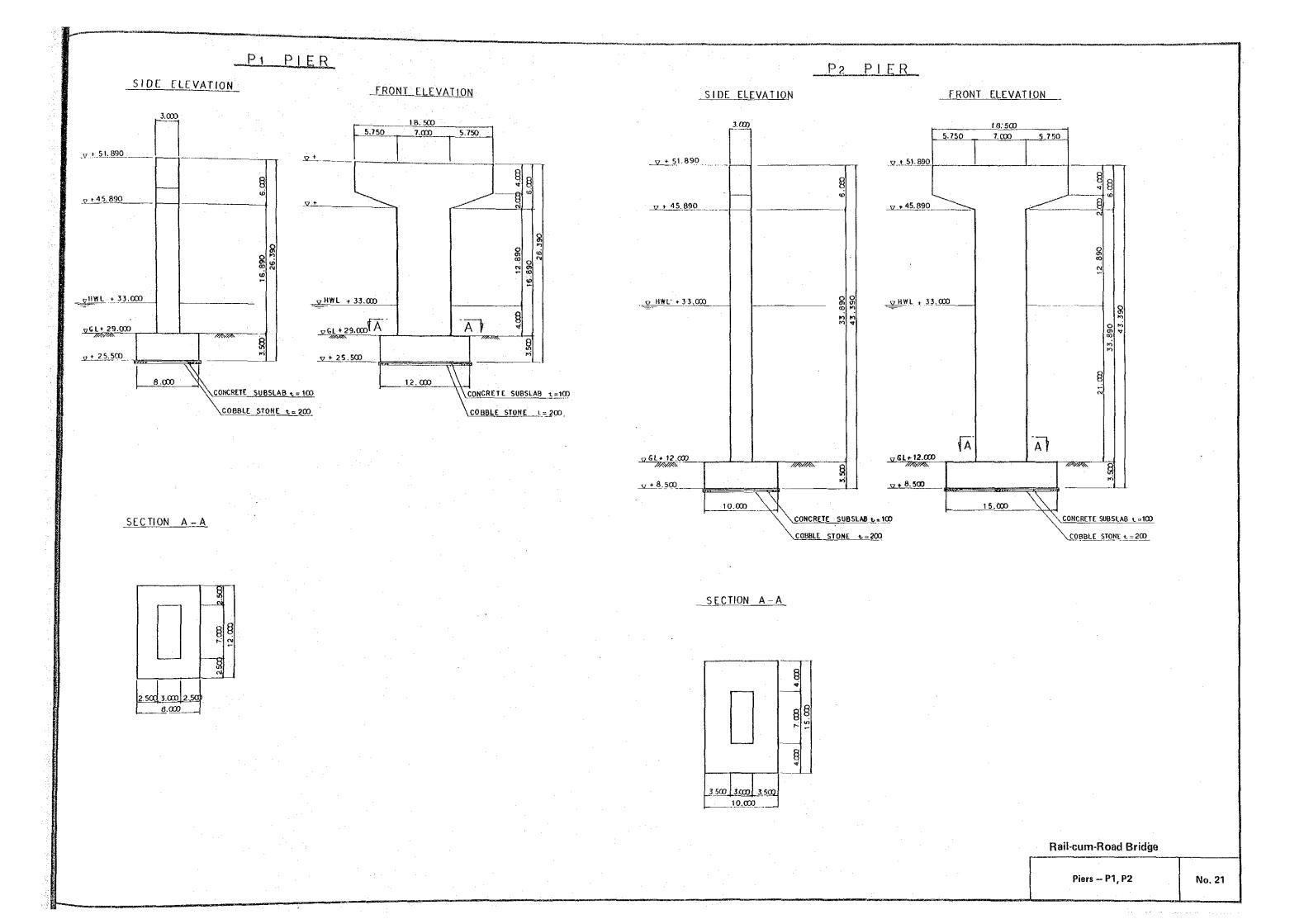


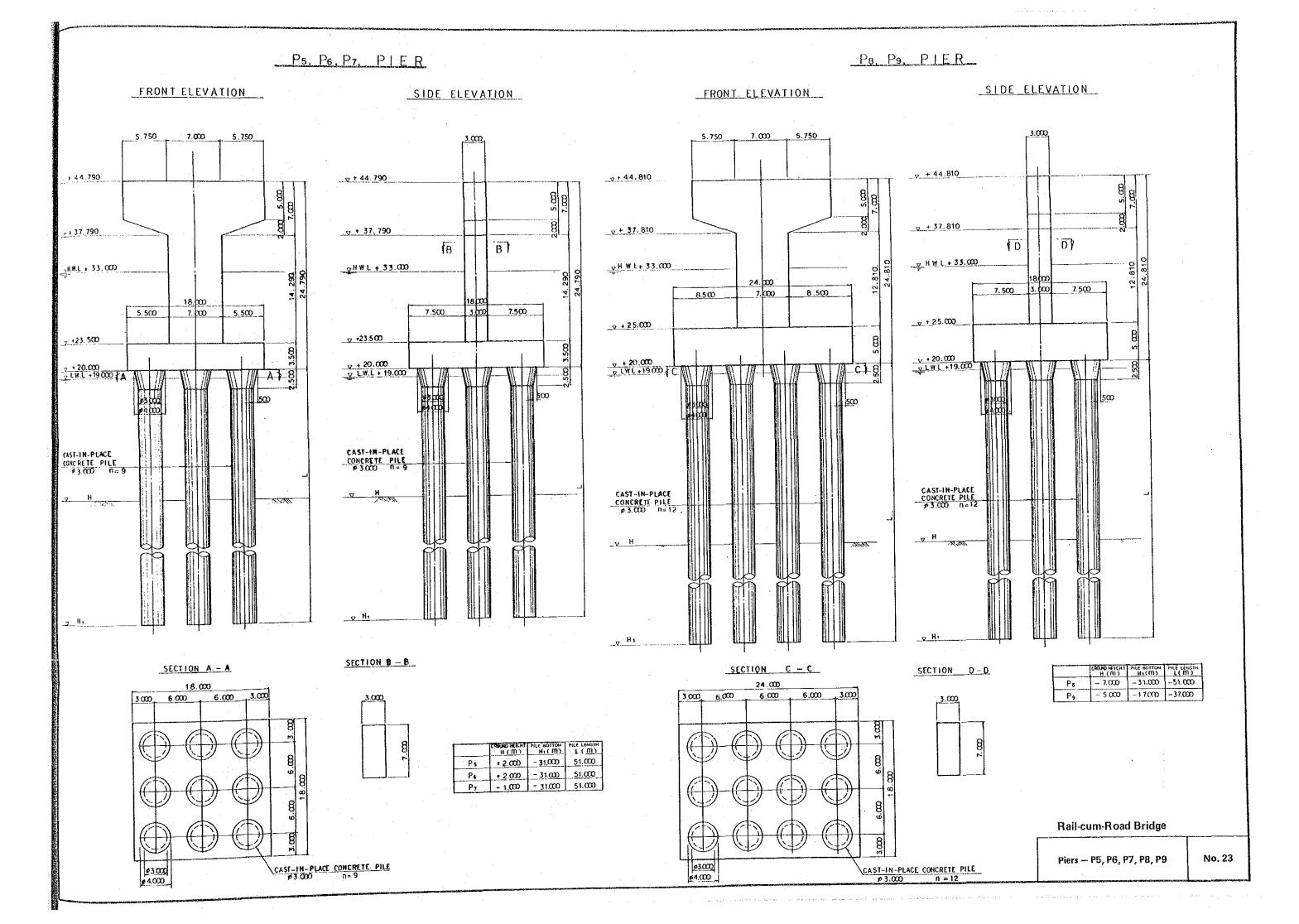
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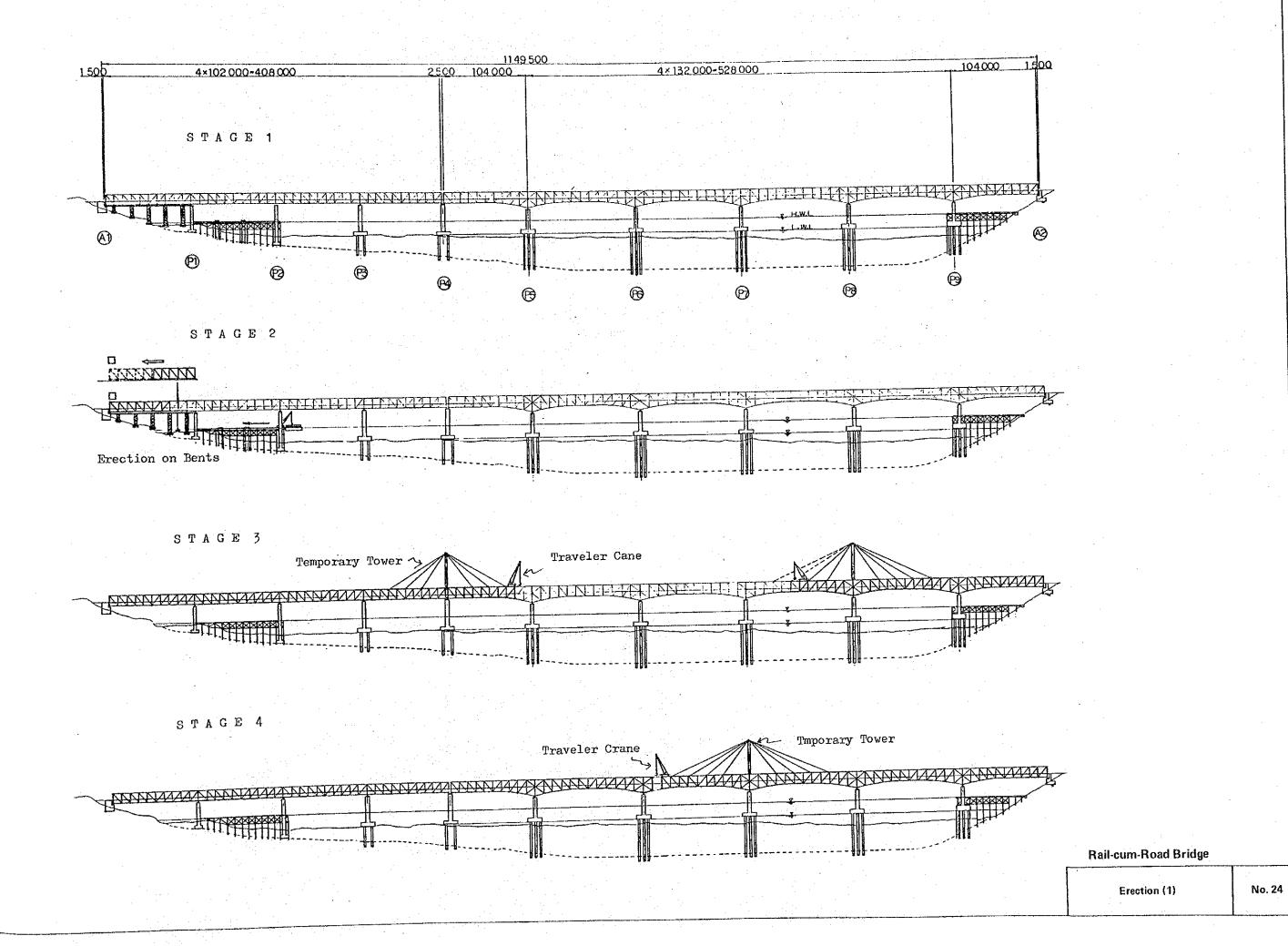


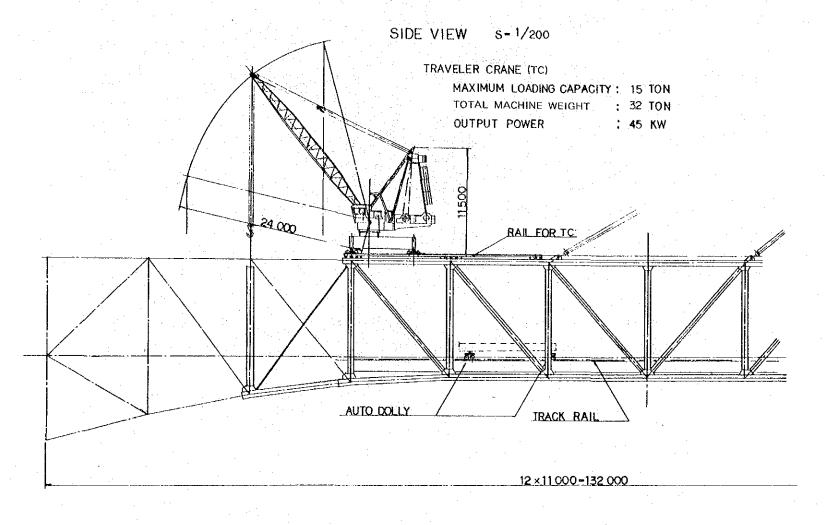
Rail-cum-Road Bridge

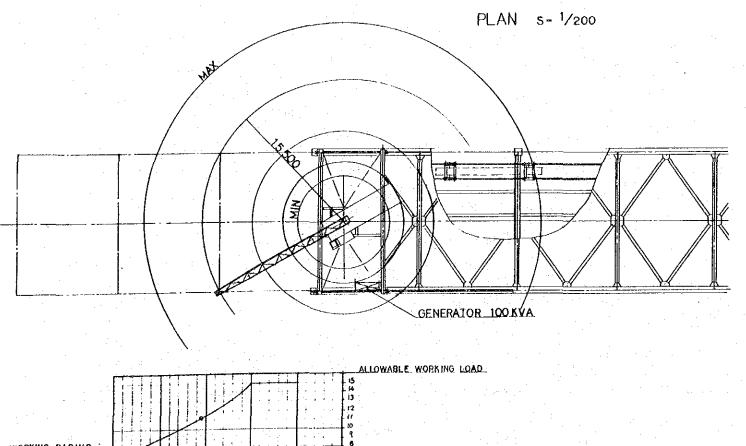
Abutments - A1, A2

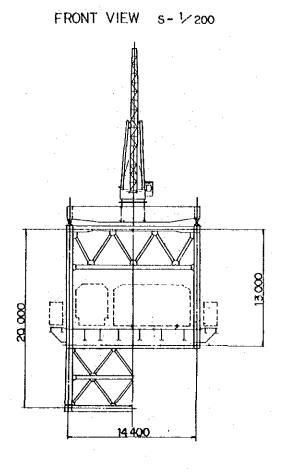








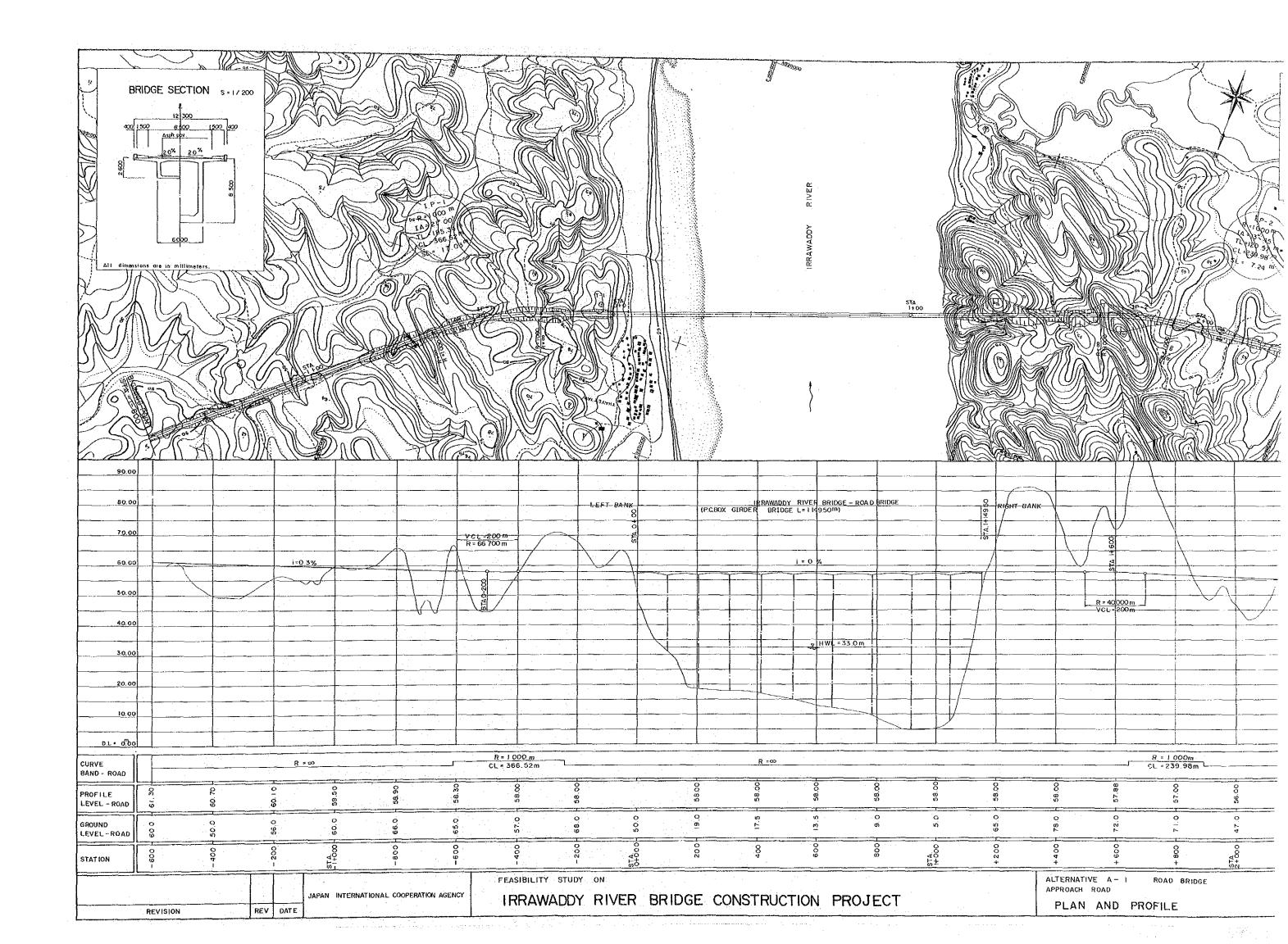


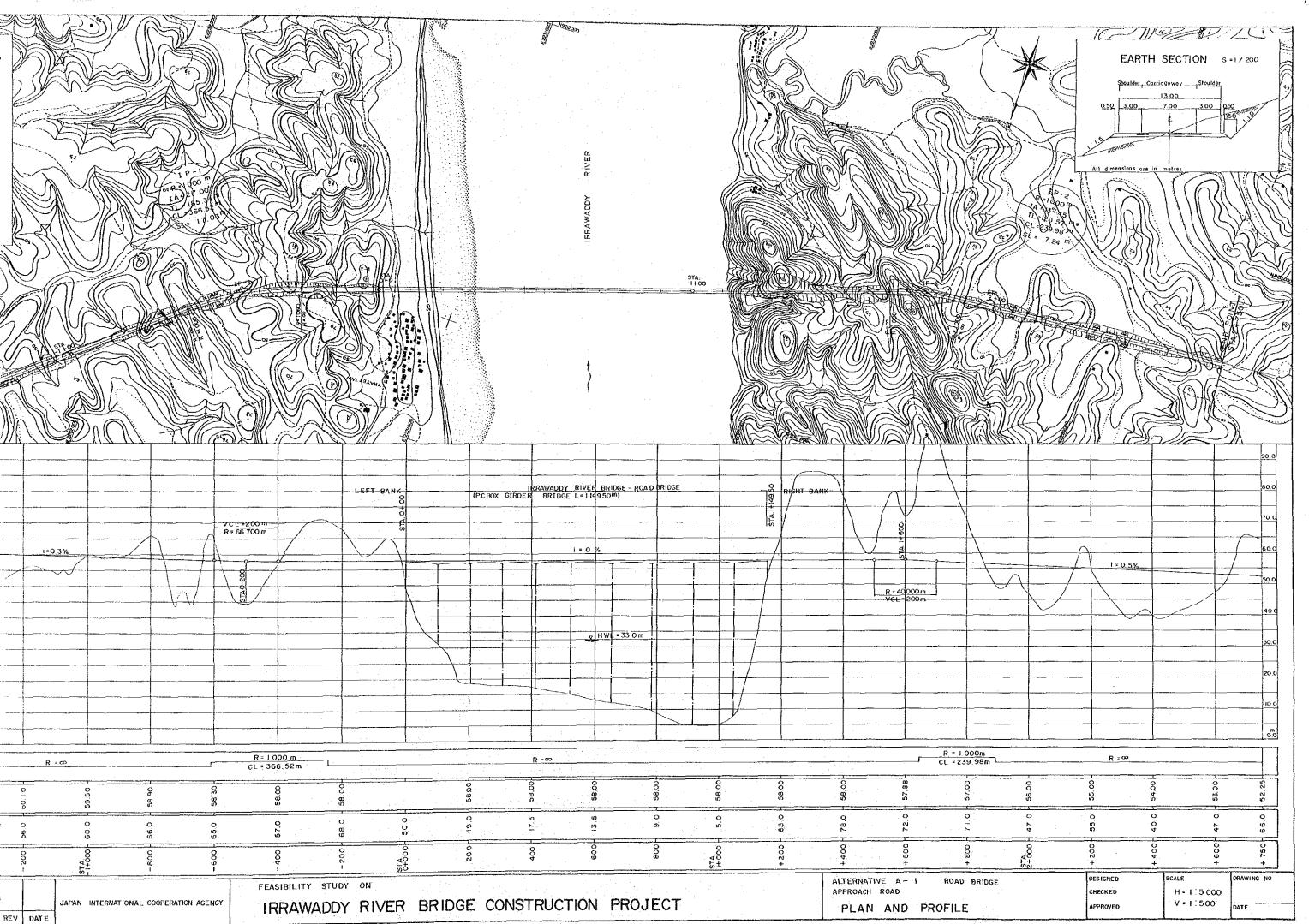


AT PIER AT CENTER

Rail-cum-Road Bridge

Erection (2)





/

