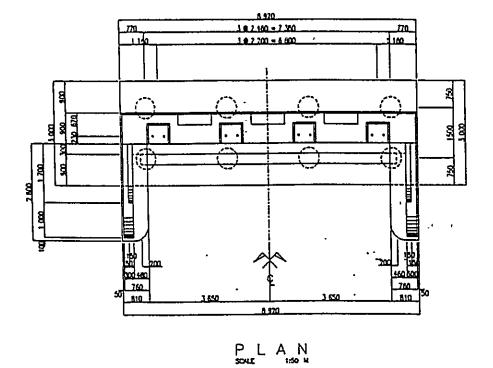
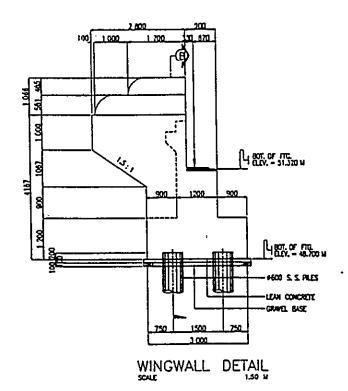
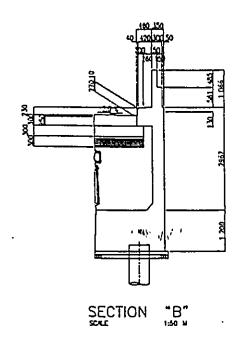
BASIC DESIGN OF SUBSTRUCTURES (GROUP 2)

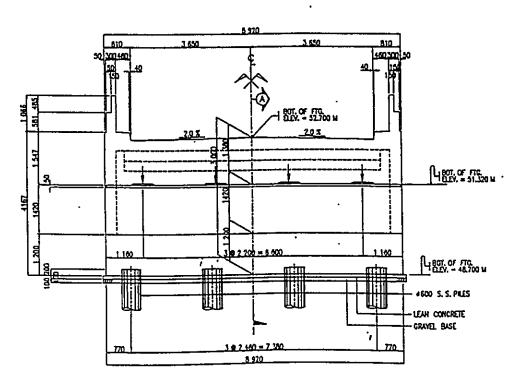
(E)

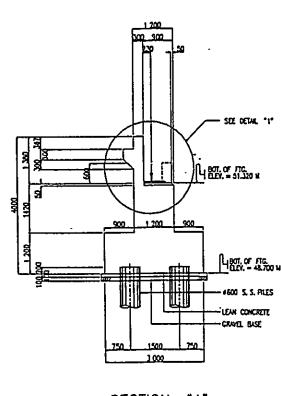
FOR CON	HASIC DESIGN STUDY ON THE PROJECT STRUCTION OF BRIDGES ALONG RURAL ROADS IN MINDAN/	NO AREA
BRIDGE NO.	BRIDGE NAME	SHEET NO.
10-01-118	UNGAYAO	154

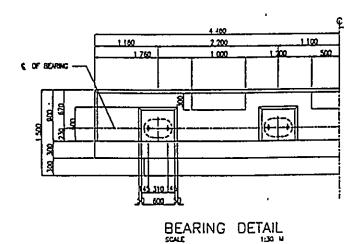












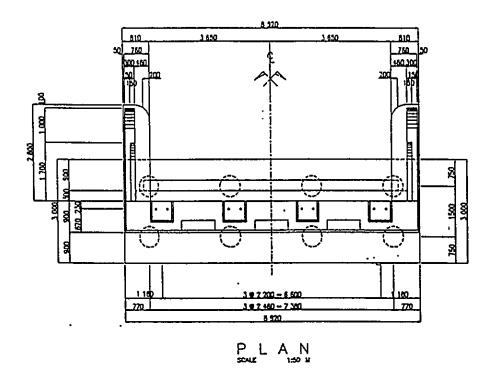
300 STO STO SOLT

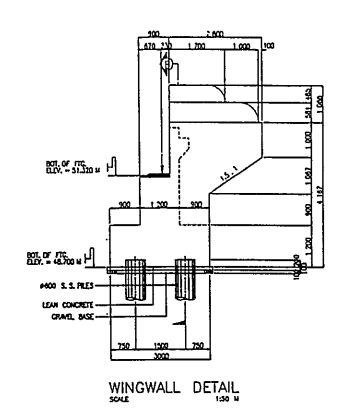
DETAIL "1"

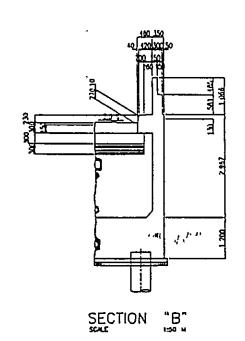
FRONT ELEVATION

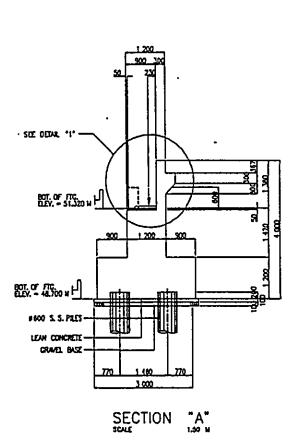
SECTION "A"

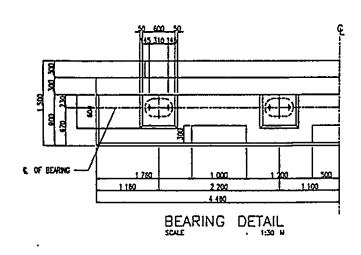
BASIC DESIGN STUDY ON THE PROJECT FOR CONSTRUCTION OF BRIDGES ALDING RURAL ROADS IN MINDANAO AREA				
BRIDGE NO.	BRIDGE NAME	SHEET NO.		
10-1)1-98	LINGAYAO	155		

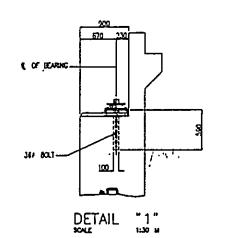


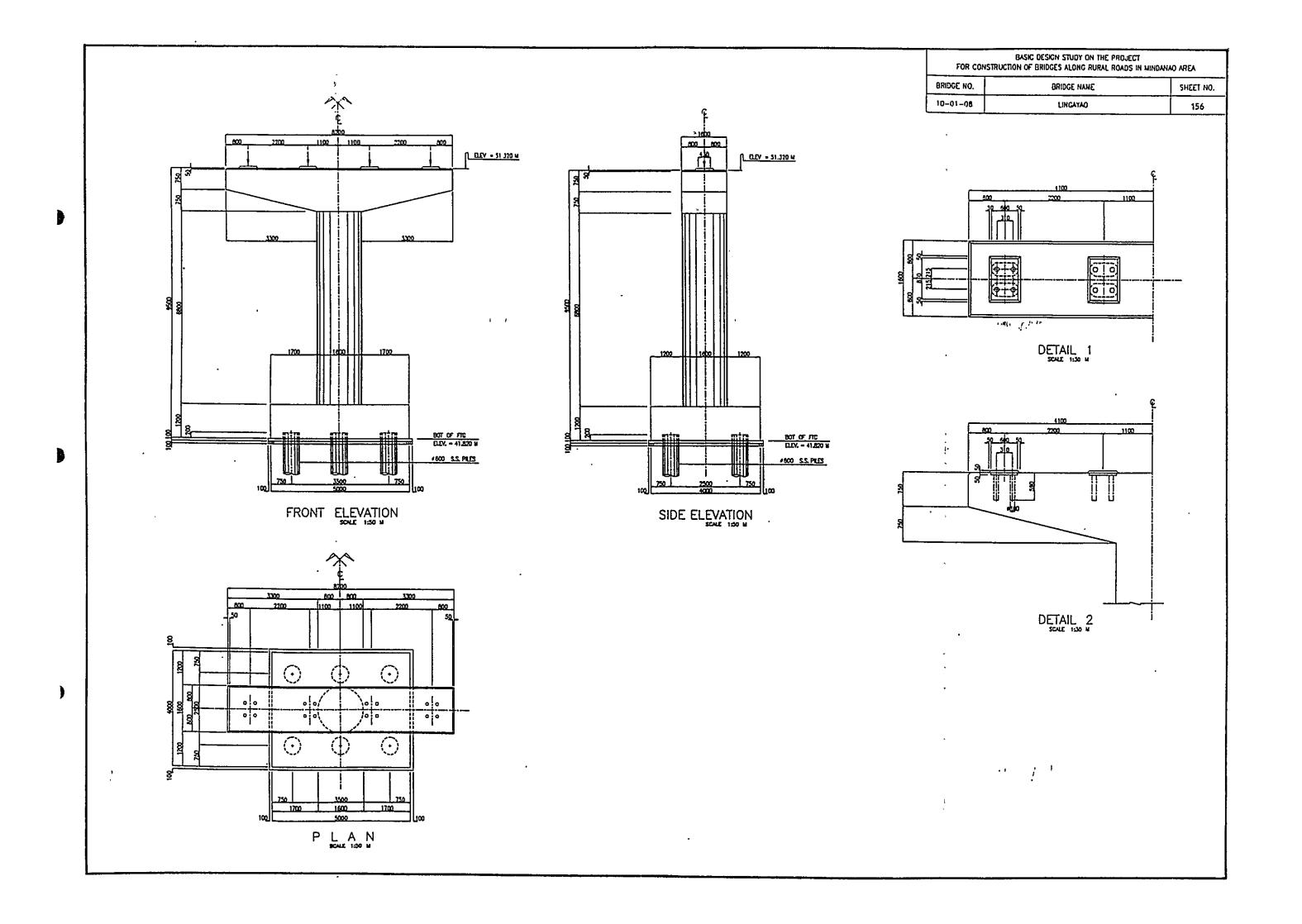


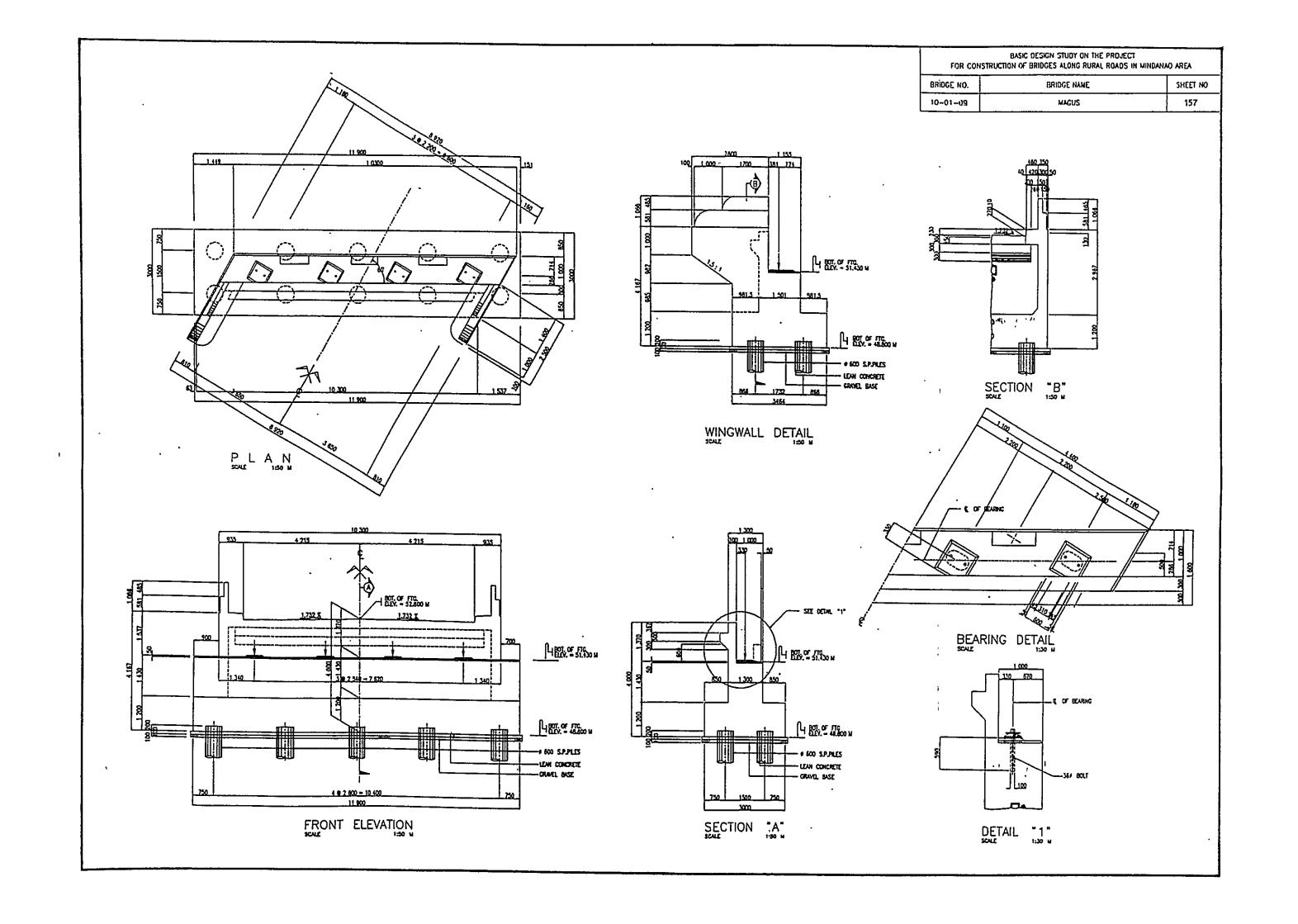


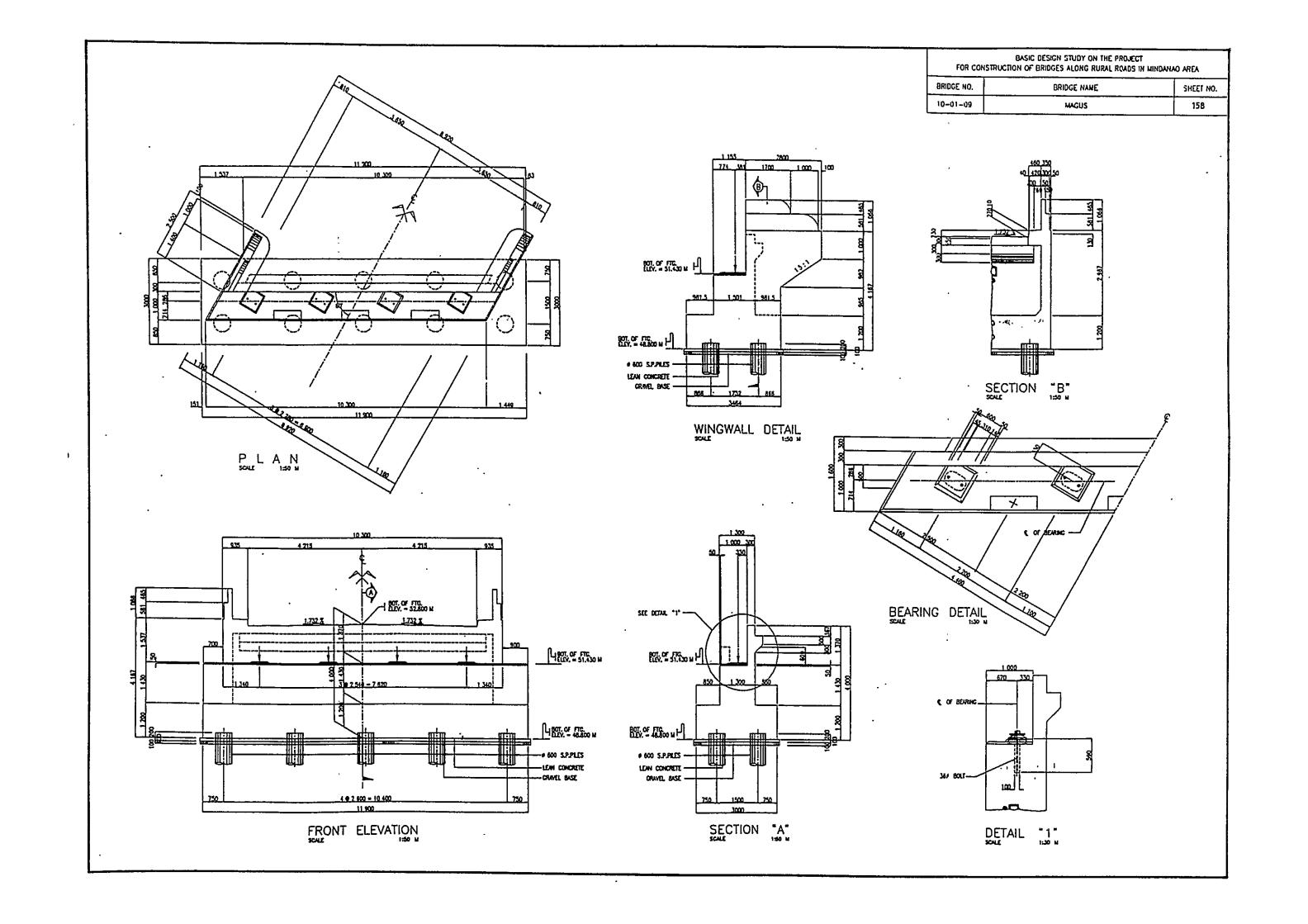


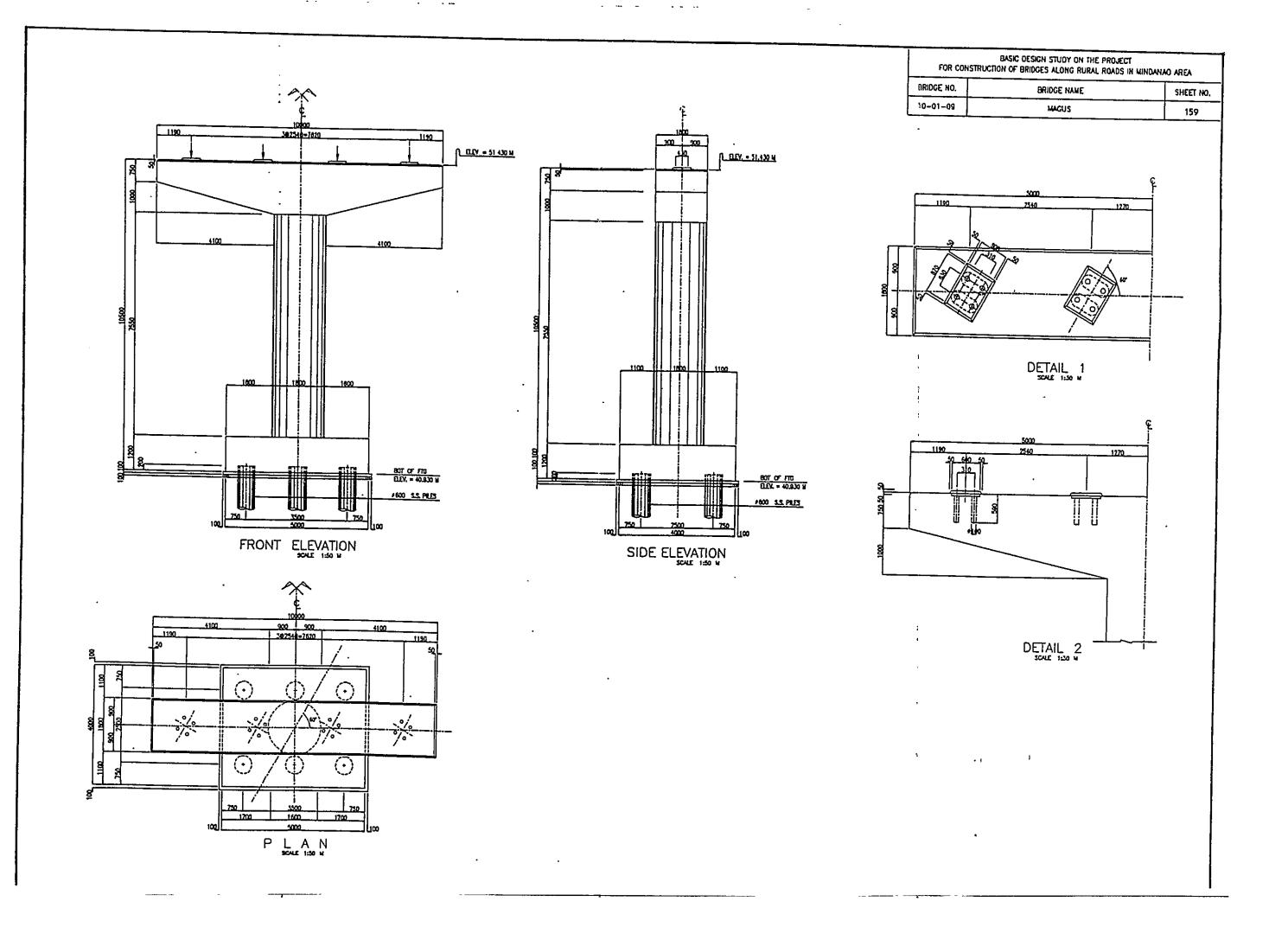


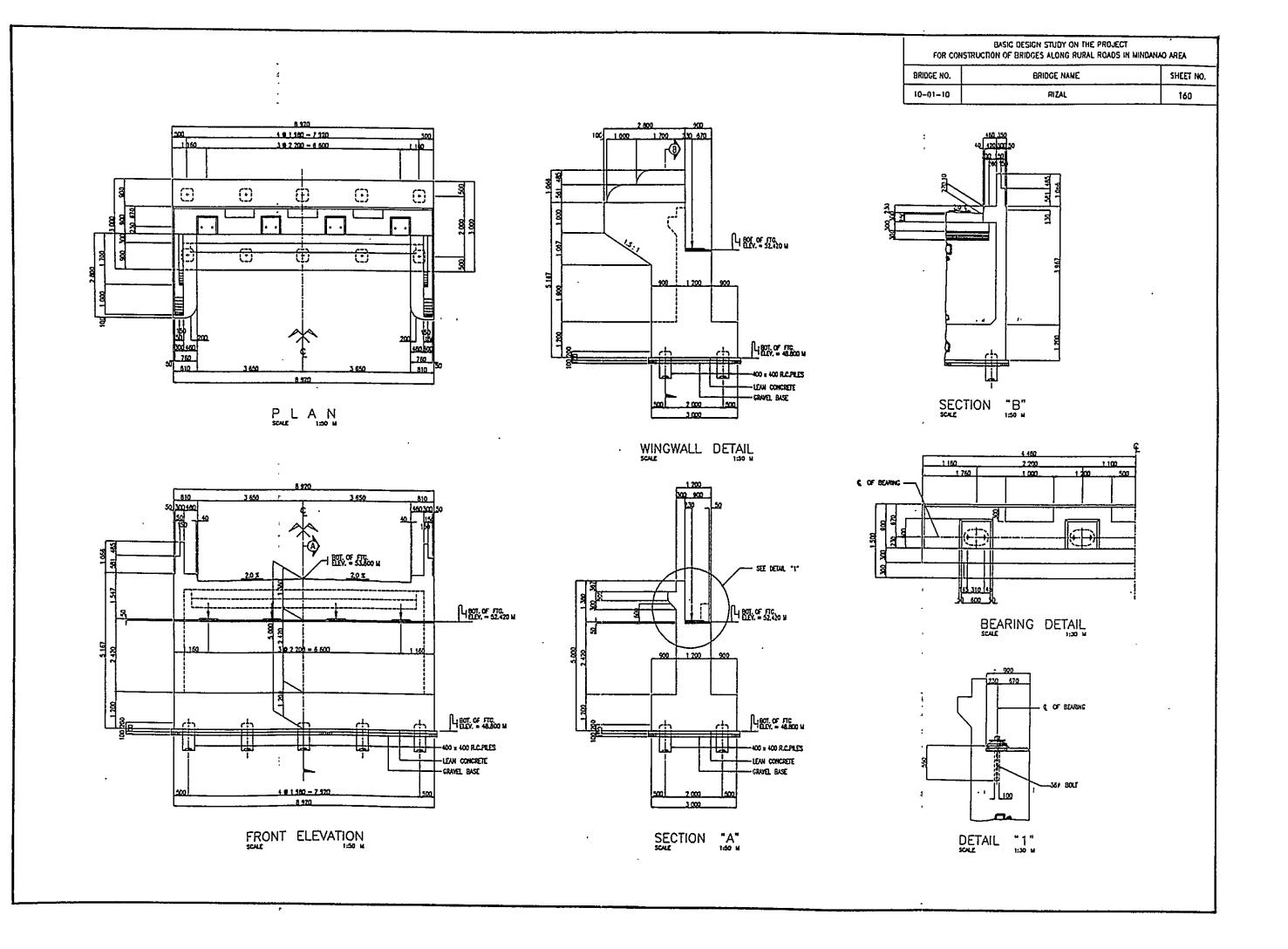


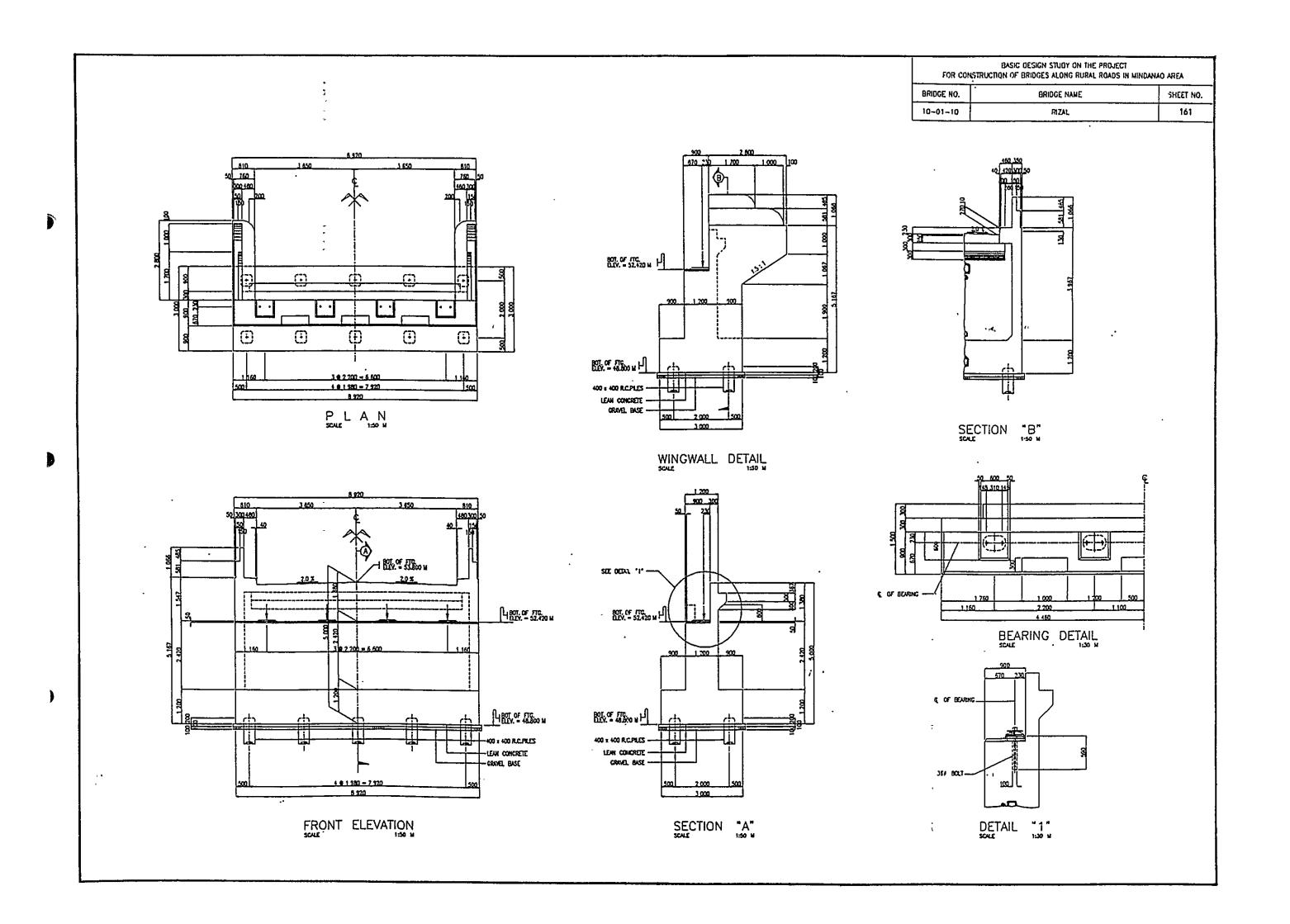


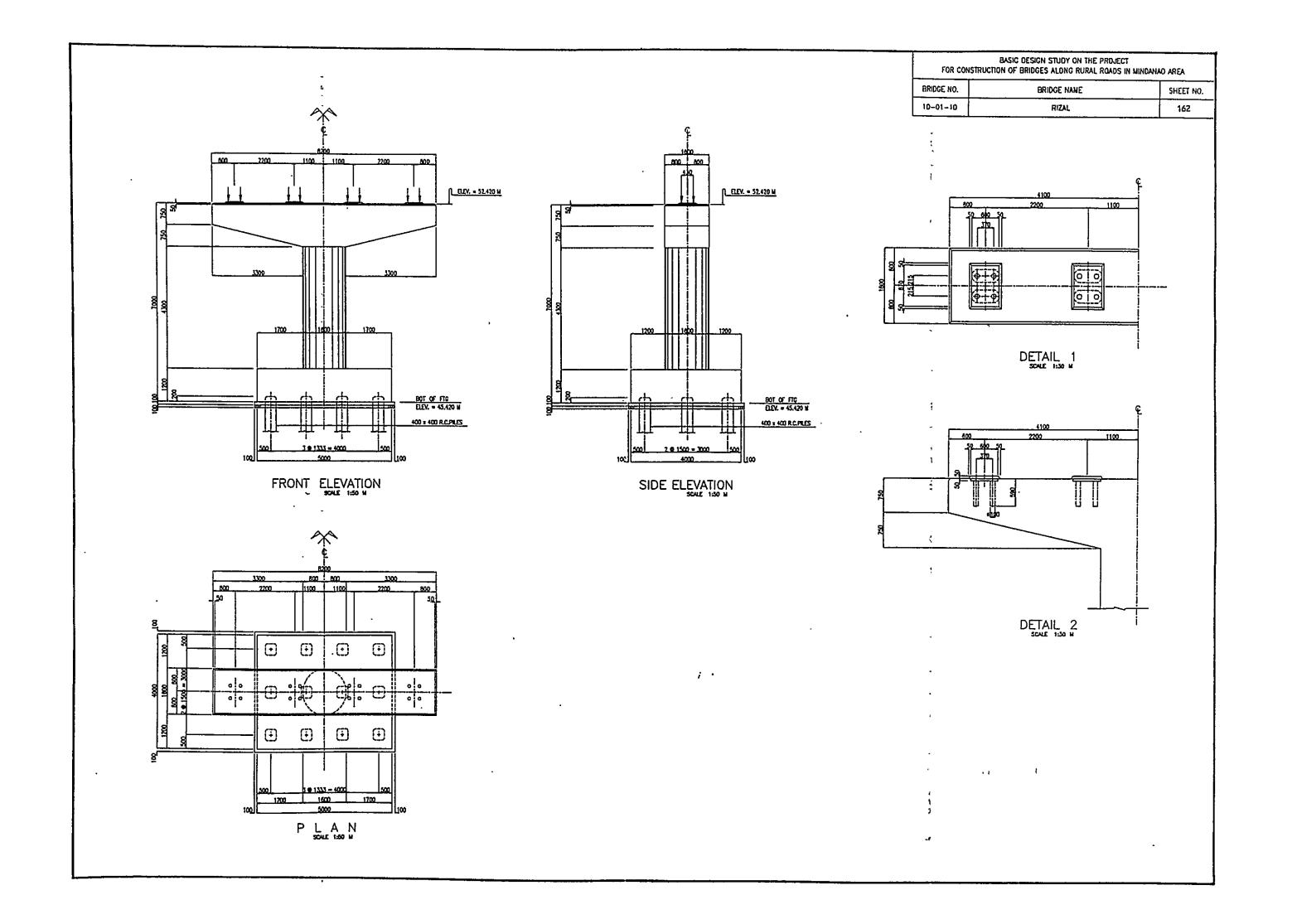


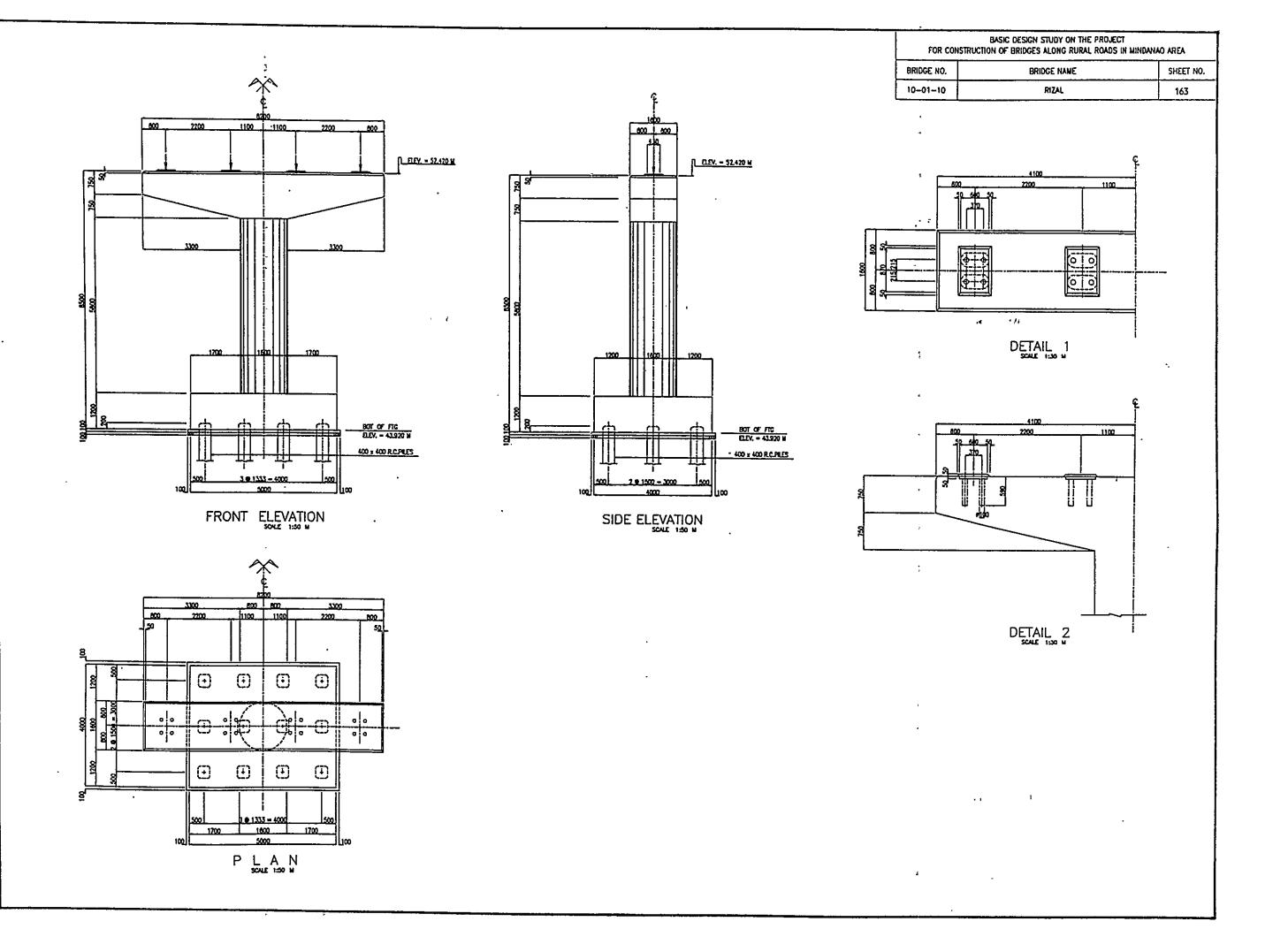


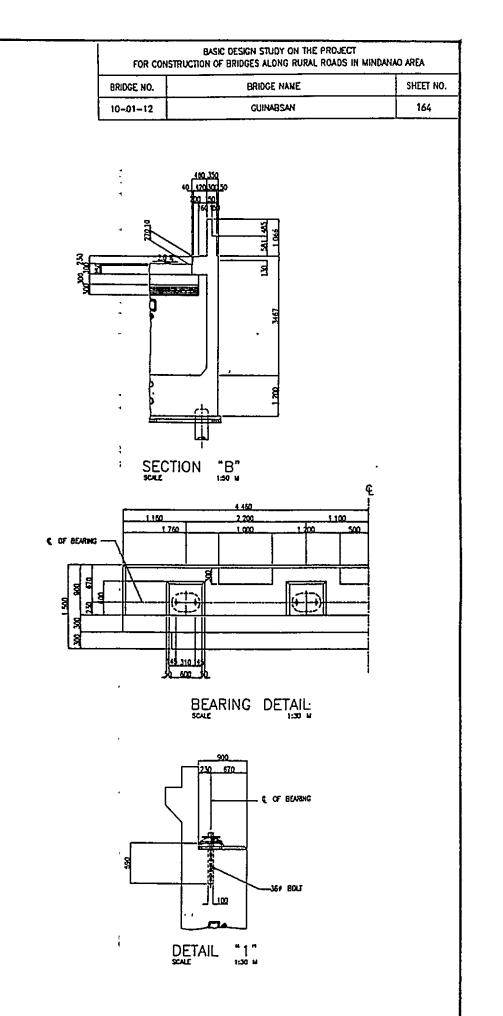


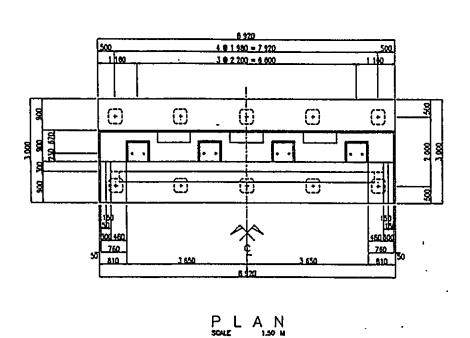


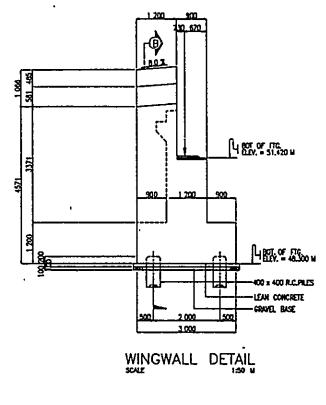


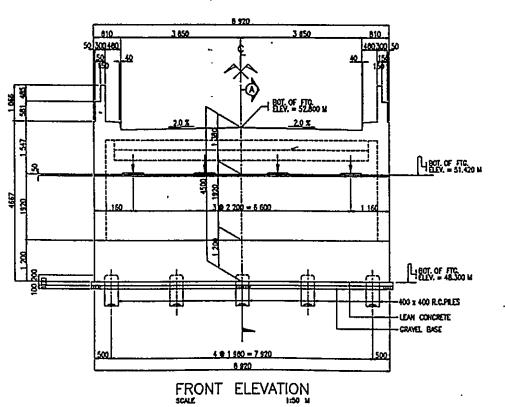


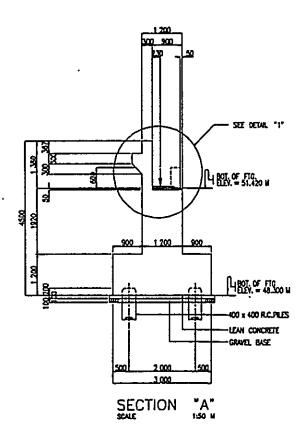


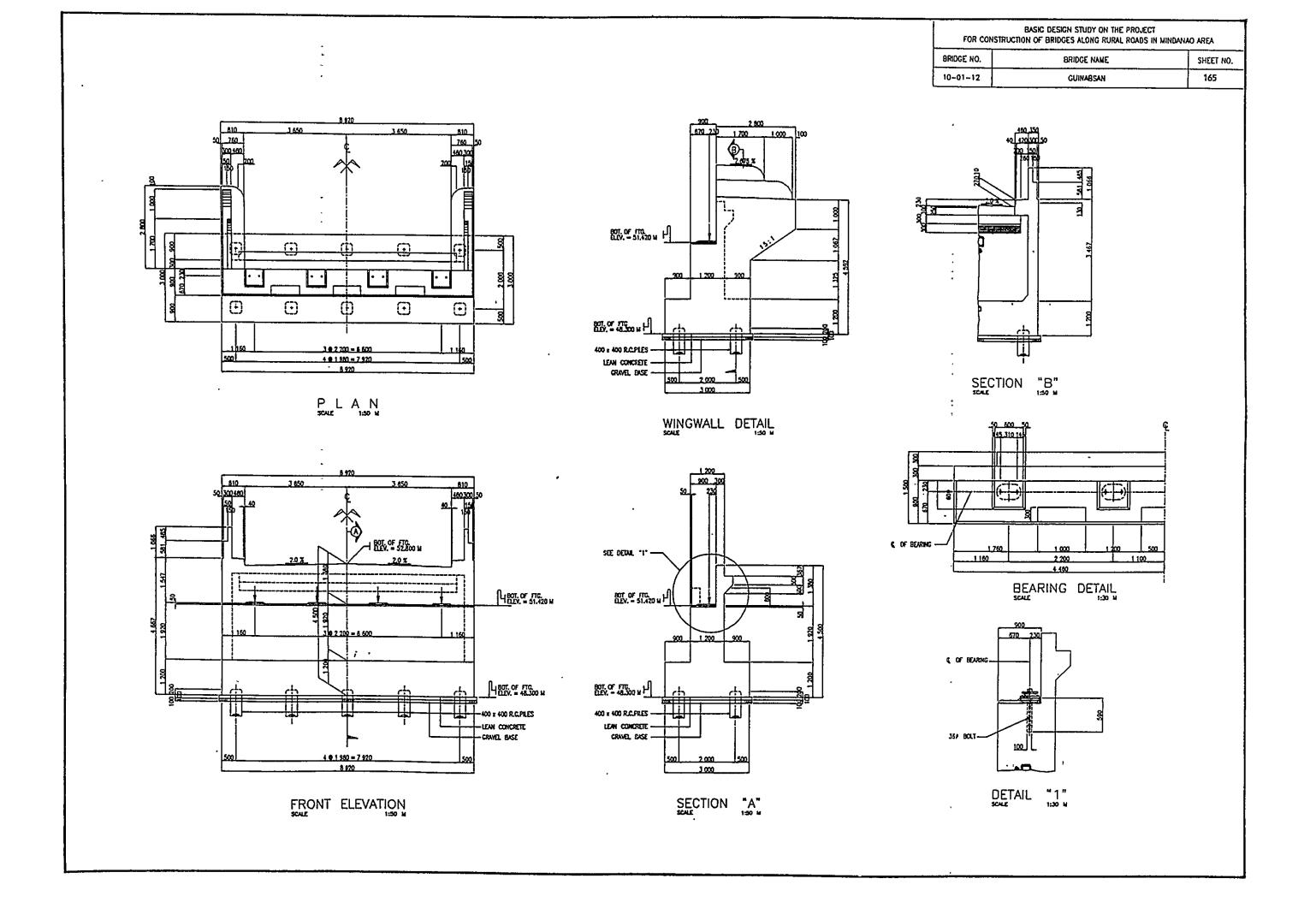


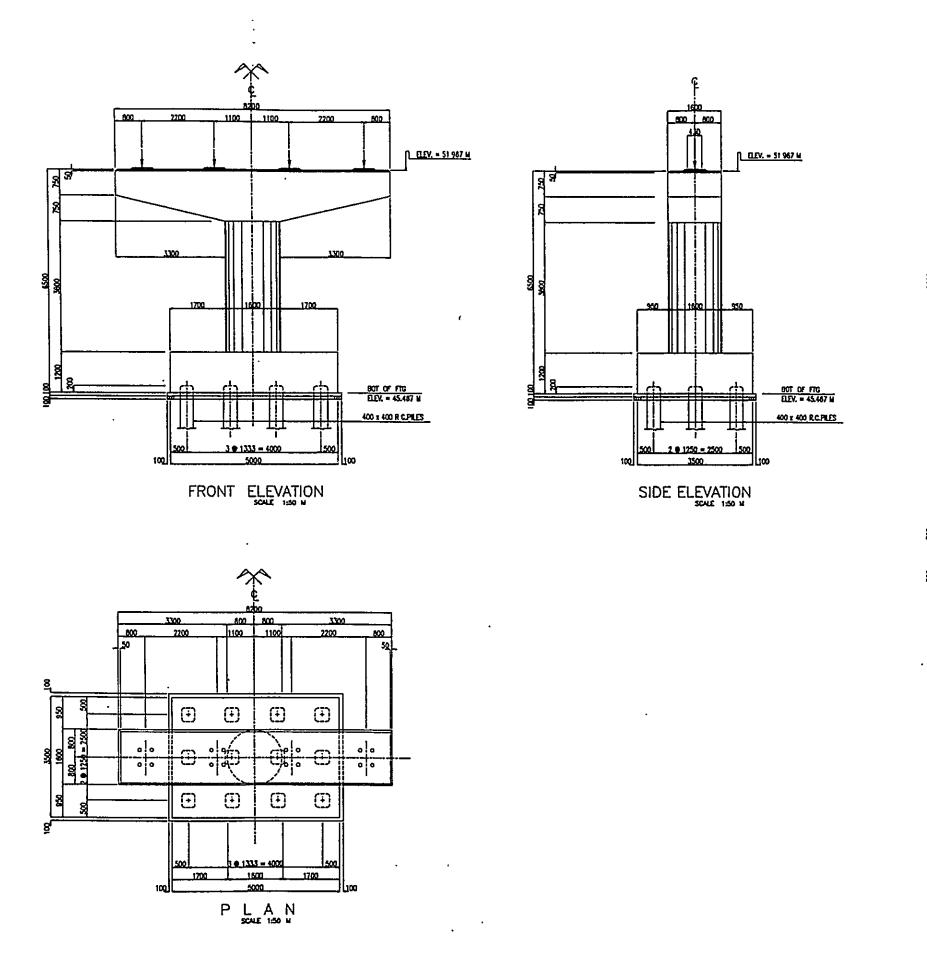








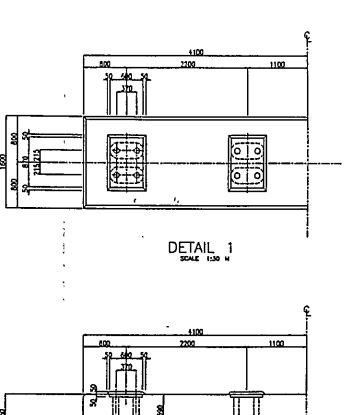




BASIC DESIGN STUDY ON THE PROJECT
FOR CONSTRUCTION OF BRIDGES ALONG RURAL ROADS IN MINDANAO AREA

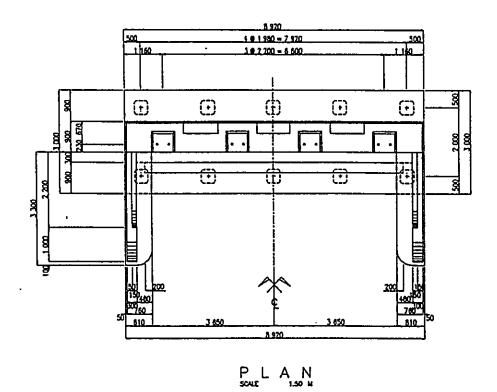
BRIDGE NO. BRIDGE NAME SHEET NO.

10-01-12 GUINABSAN 166



DETAIL 2

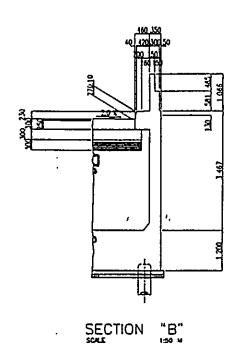
FOR CONSTRUCT	BASIC DESIGN STUDY ON THE PROJECTION OF BRIDGES ALONG RURAL ROADS	
BRIDGE NO.	BRIDGE NAME	SHEET NO.
10-02-04	MAQG	167

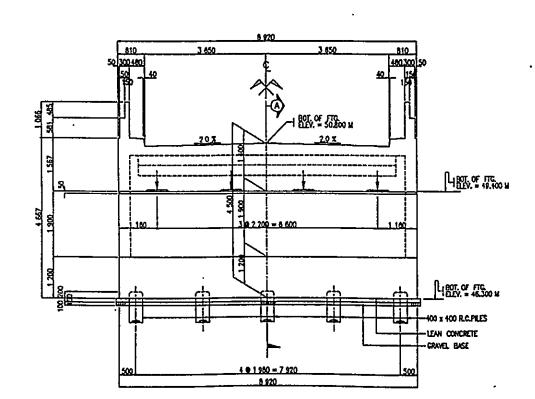


100 1 000 1 200 10 510

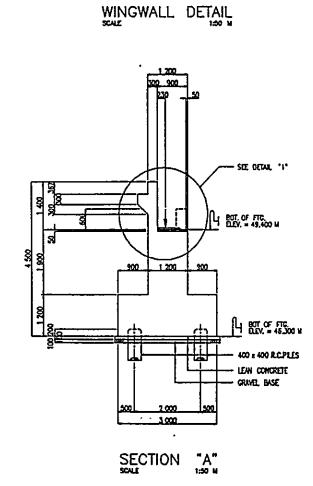
BOT OF FIG.

BOT OF

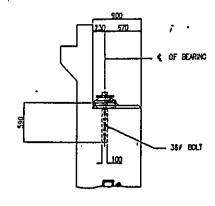




FRONT ELEVATION

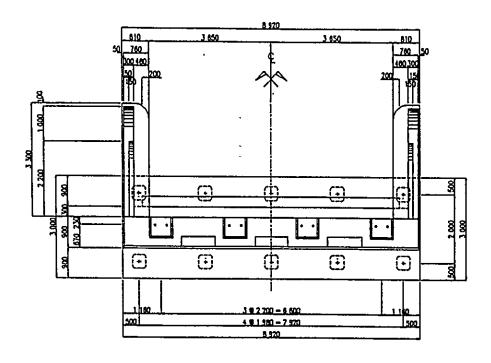


BEARING DETAIL

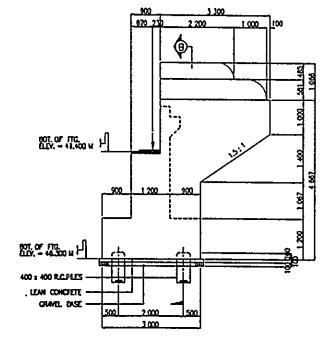


DETAIL "1" scale

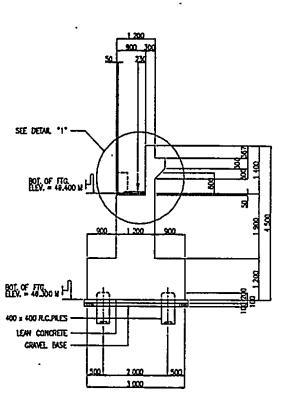
BASIC DESIGN STUDY ON THE PROJECT FOR CONSTRUCTION OF BRIDGES ALONG RURAL ROADS IN MINDANAO AREA				
BRIDGE NO.	BRIDGE NAME	SHEET NO.		
10-02-04	MAOG	168		



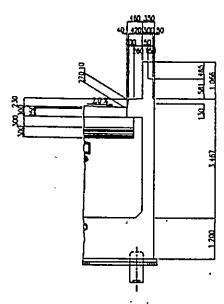
PLAN SCALE 1:50 M



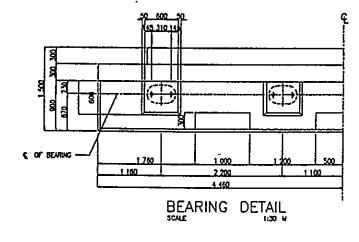
WINGWALL DETAIL



SECTION "A"

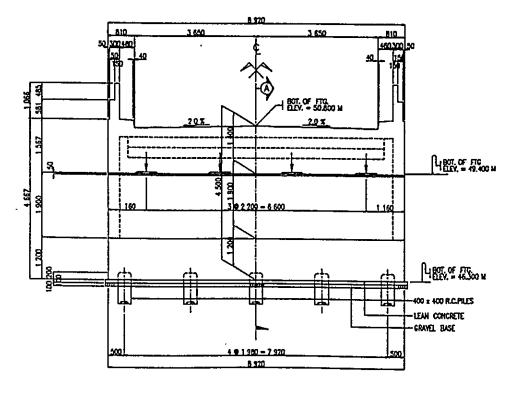


SECTION "B"

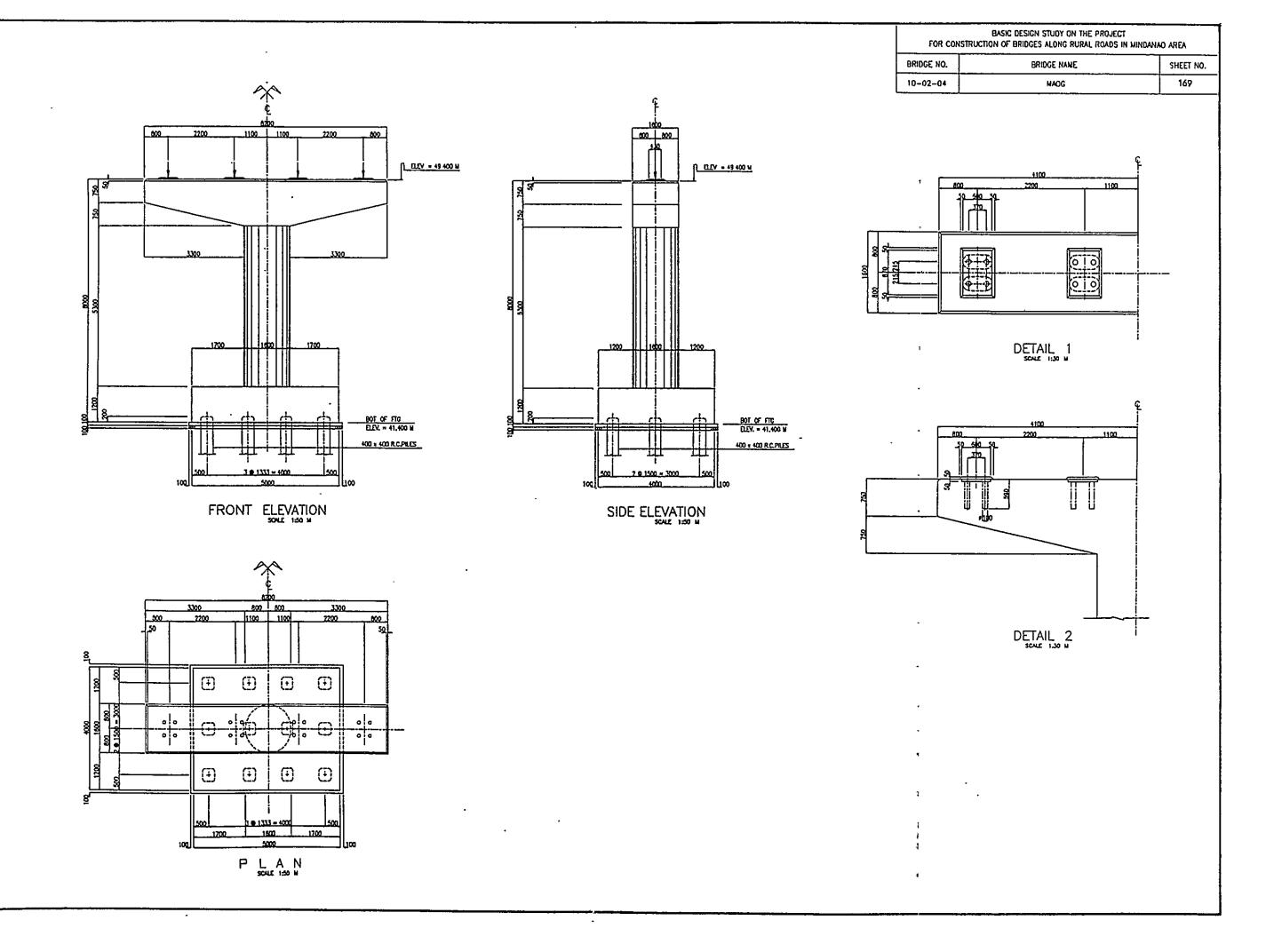


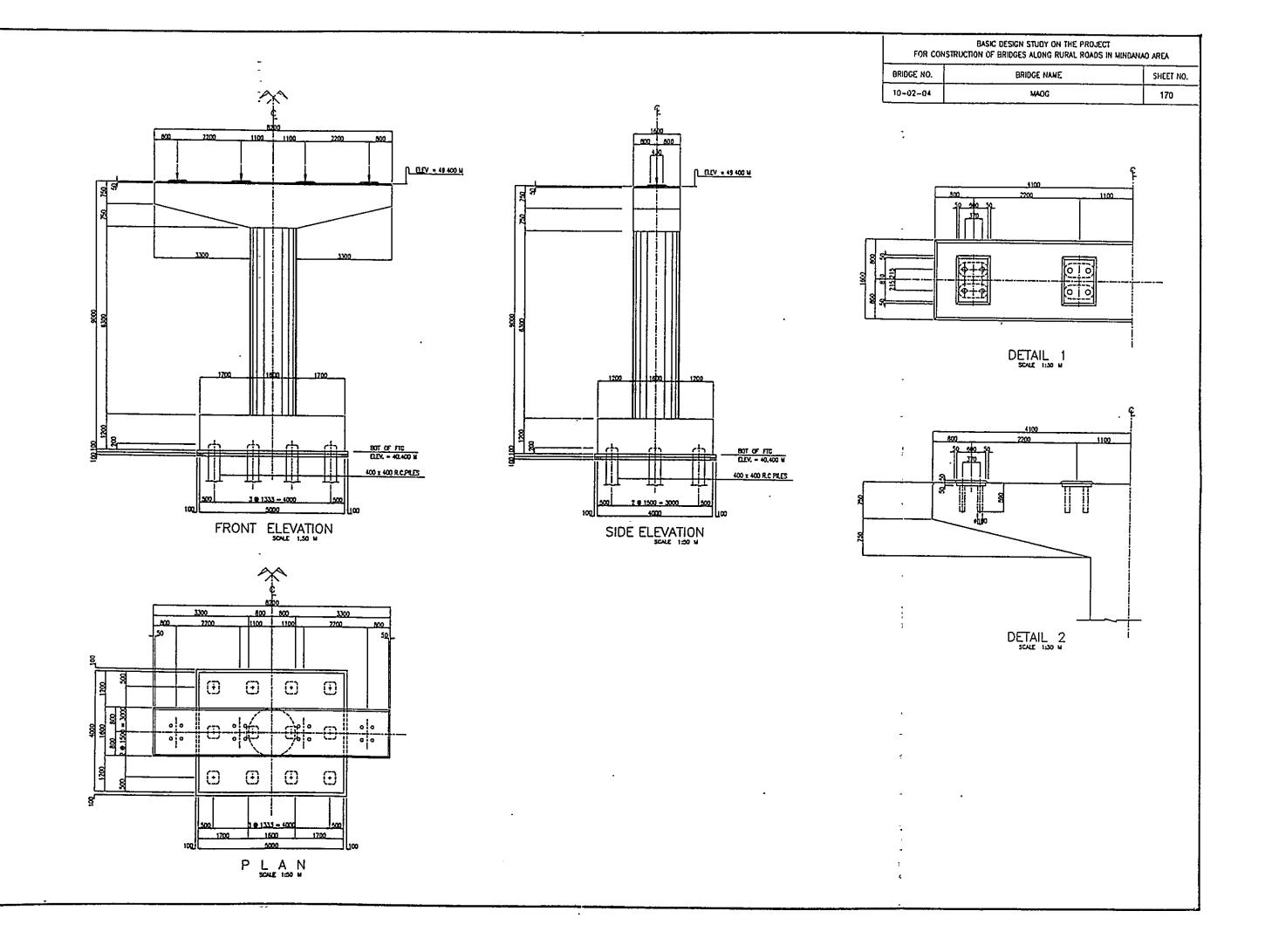
T OF BEARING

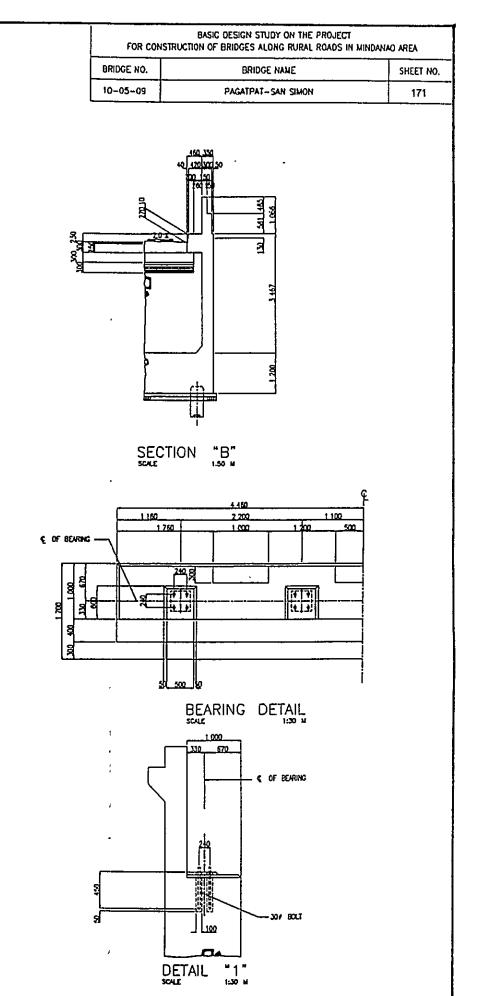
DETAIL "1"

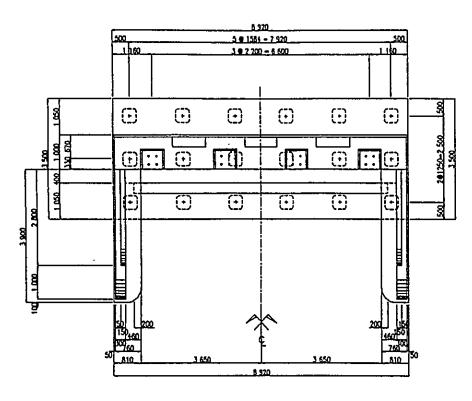


FRONT-ELEVATION 1:50 II

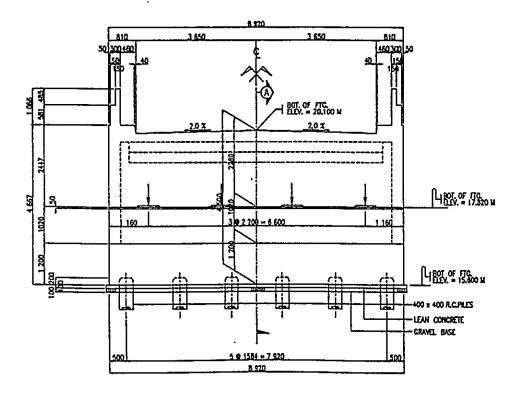




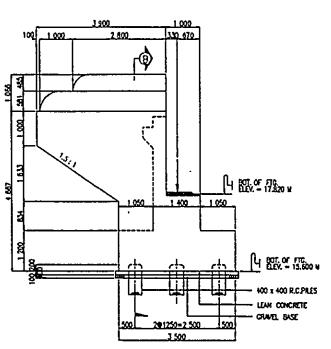




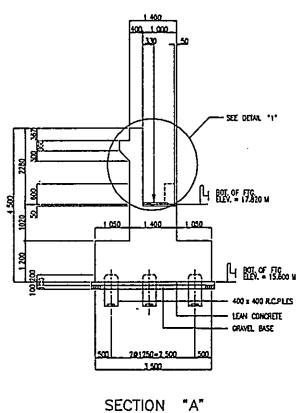
PLAN scale 150 M



FRONT ELEVATION

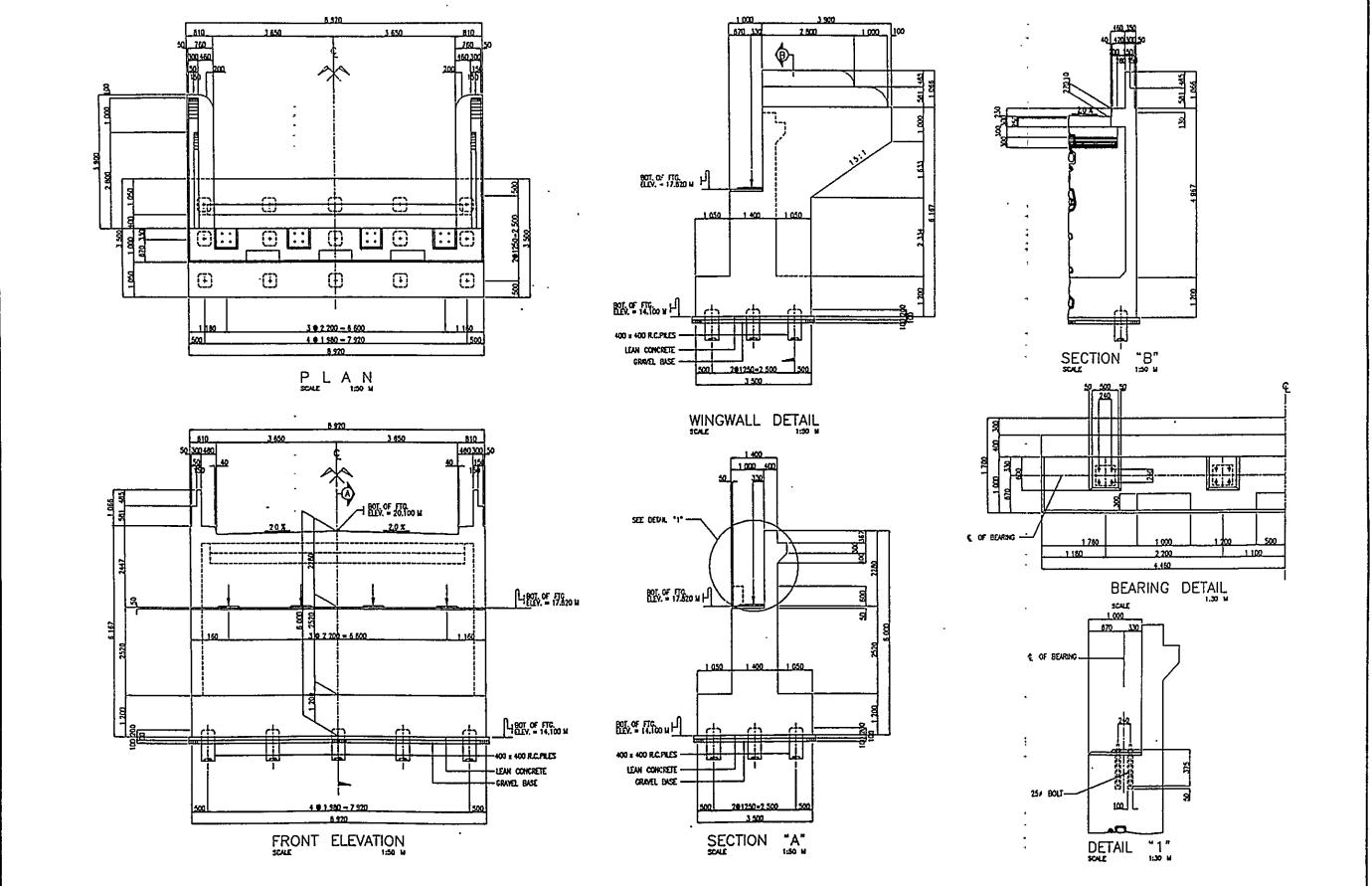


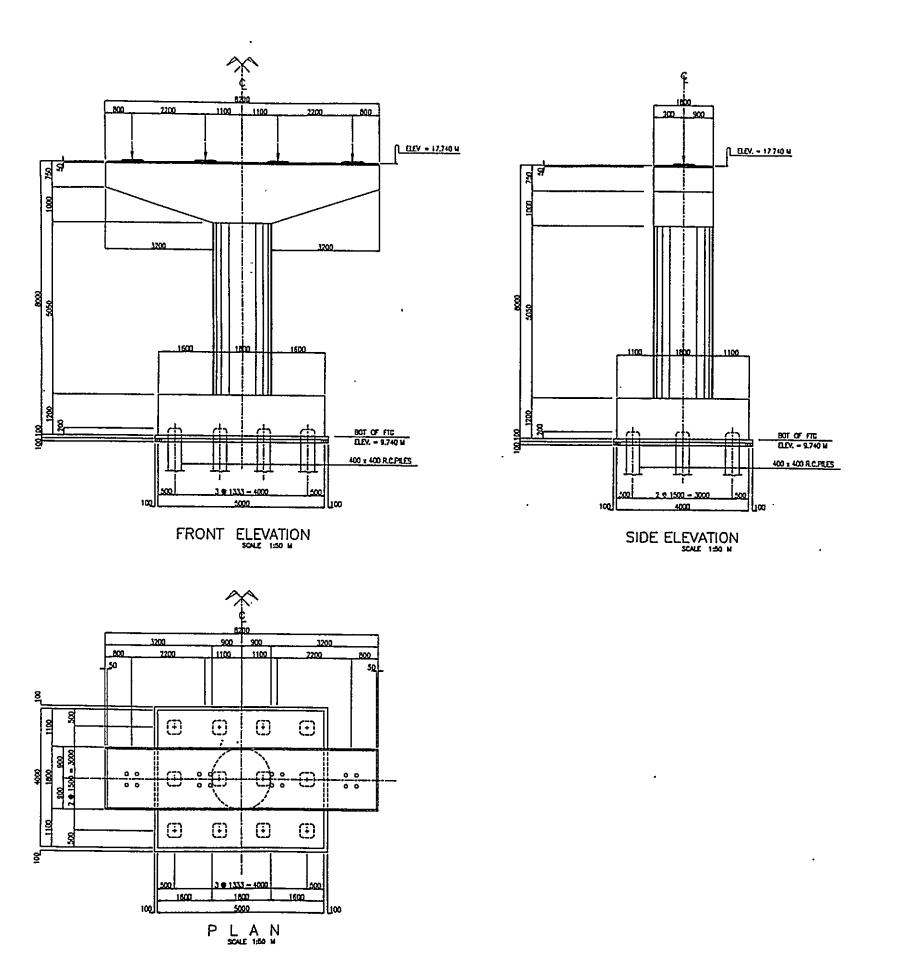
WINGWALL DETAIL



SECTION "A"

BASIC DESIGN STUDY ON THE PROJECT FOR CONSTRUCTION OF BRIDGES ALONG RURAL ROADS IN MINDANAO ARI				
BRIDGE NO.	BRIDGE NAME	SHEET NO		
10-05-09	PAGATPAT-SAN SIMON	172		

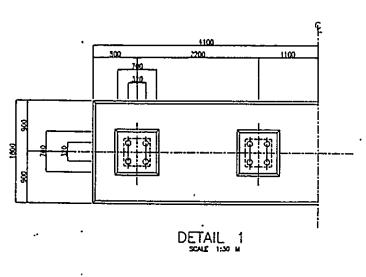


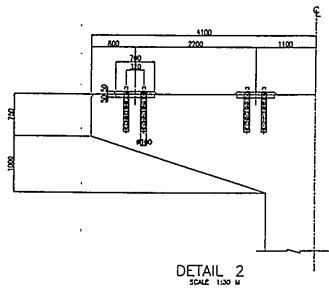


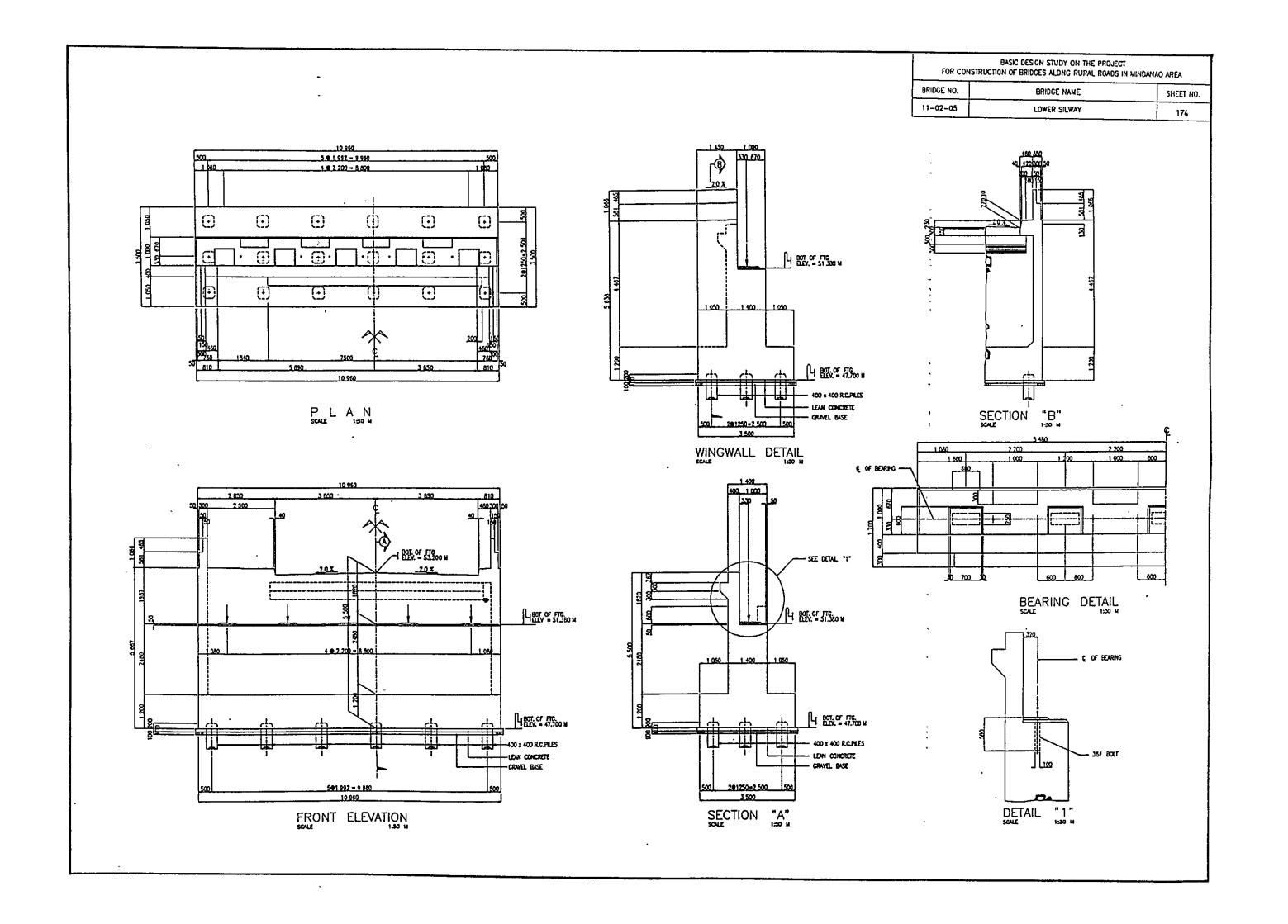
BASIC DESIGN STUDY ON THE PROJECT
FOR CONSTRUCTION OF BRIDGES ALONG RURAL ROADS IN MINDANAO AREA

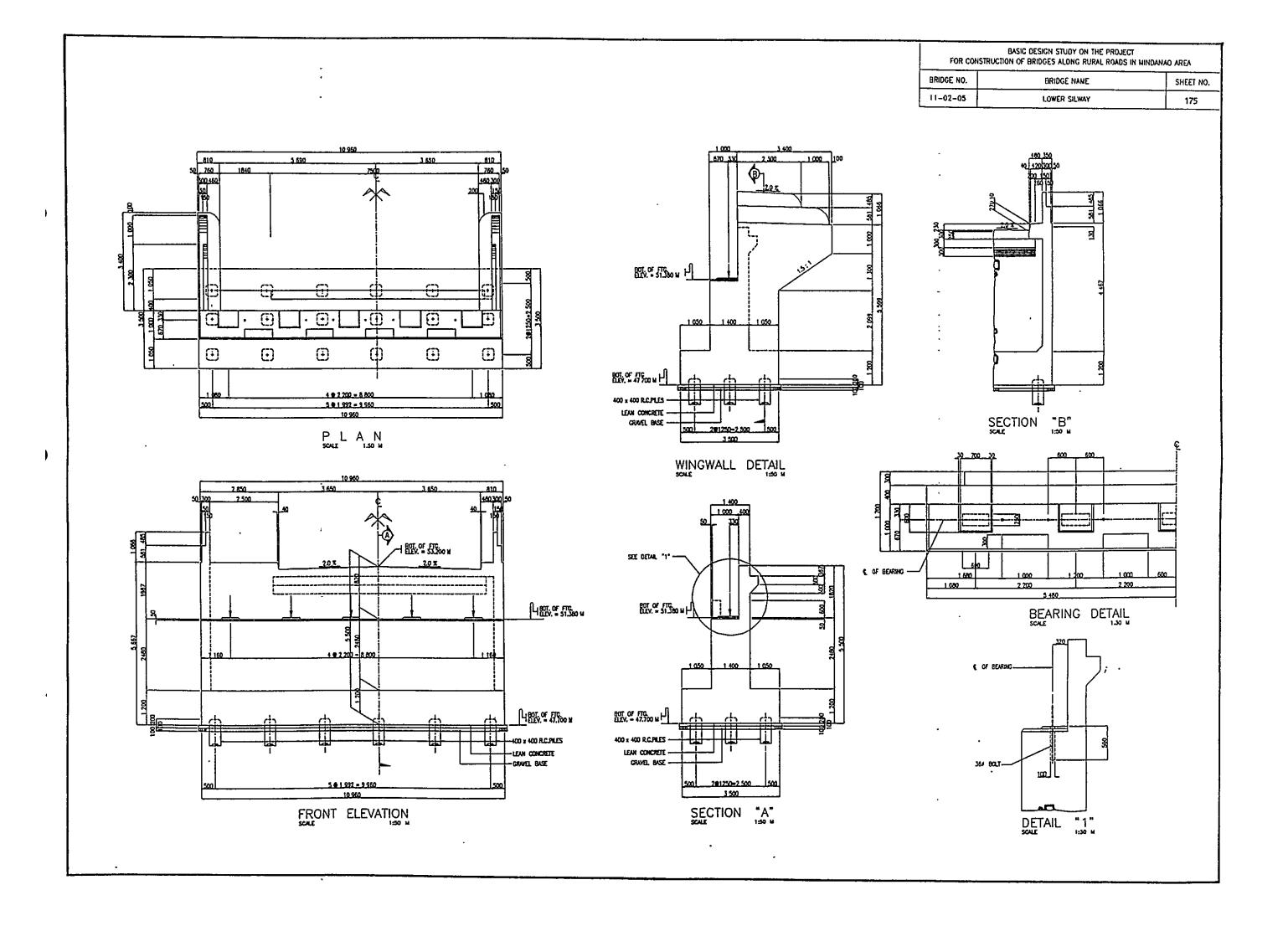
BRIDGE NO. BRIDGE NAME SHEET NO

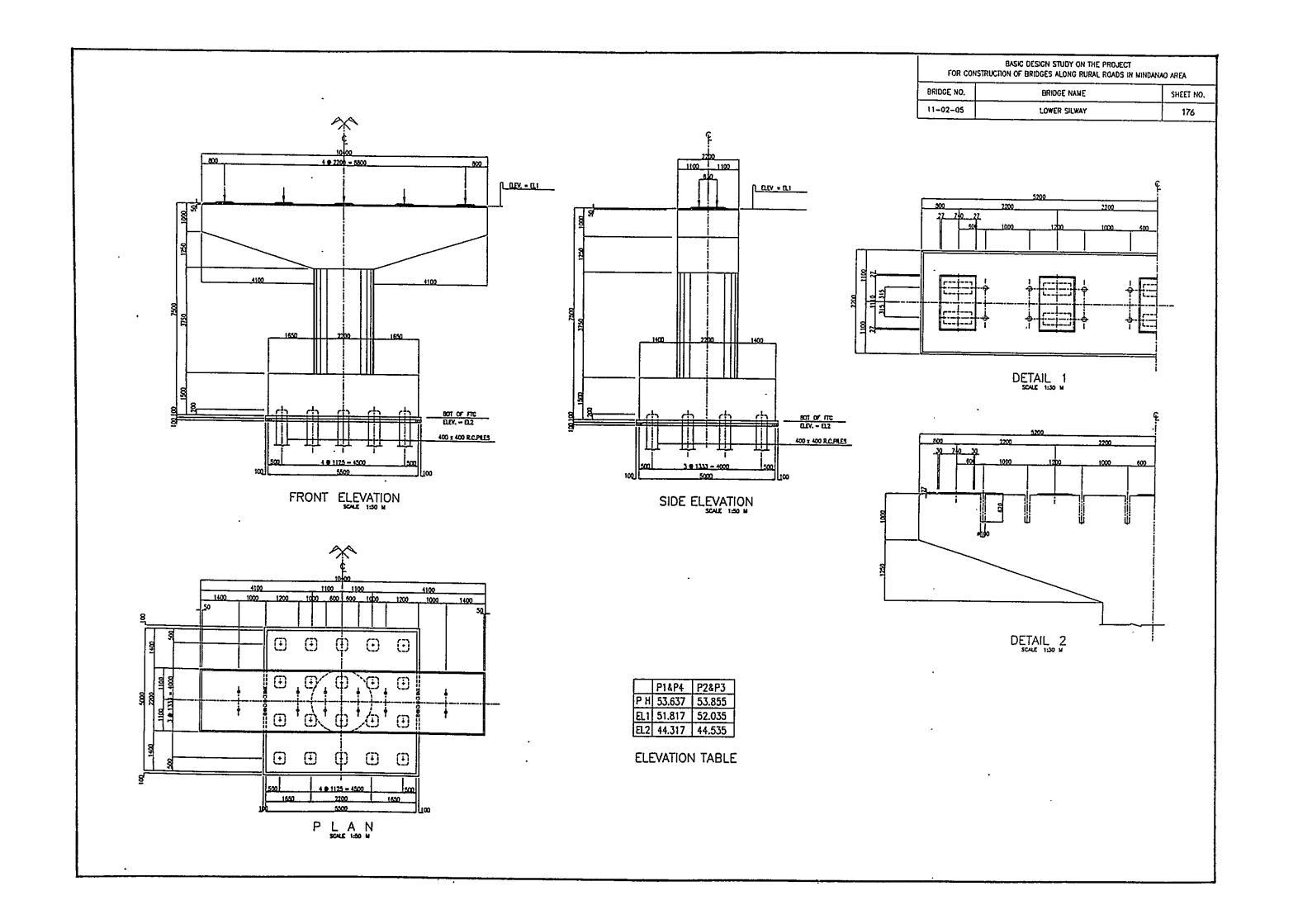
10-05-09 PAGATPAT-SAN SIMON 173



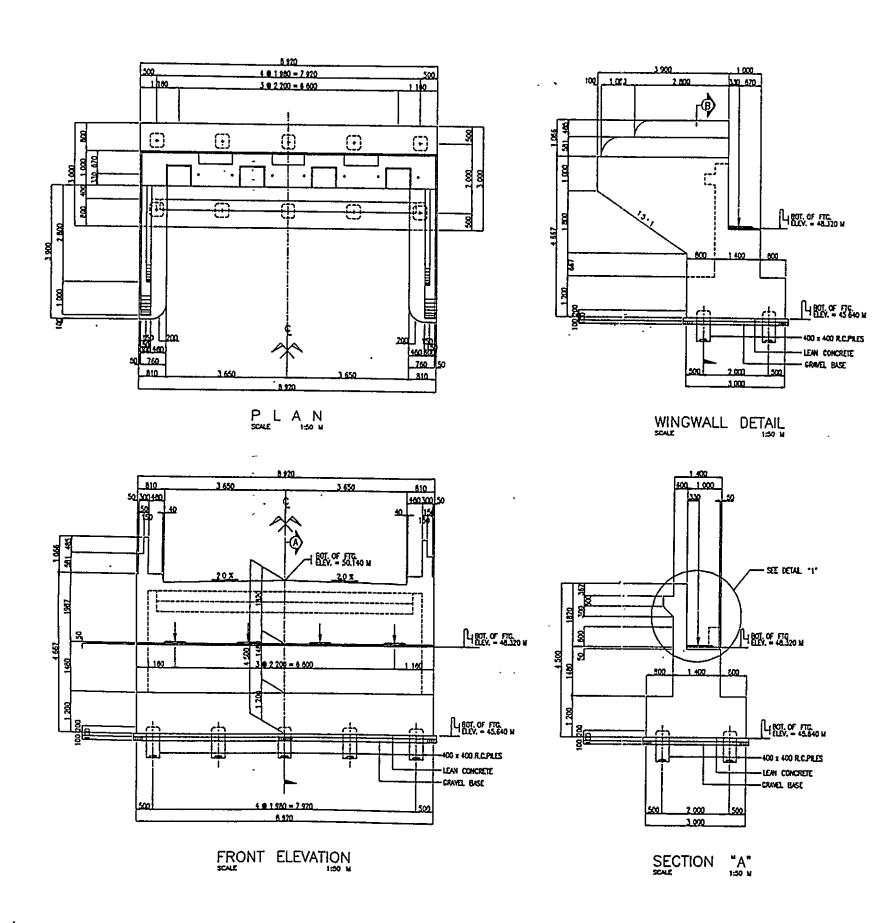


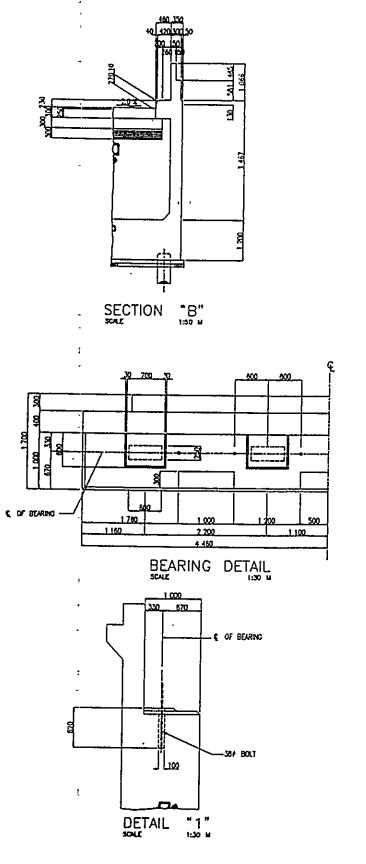


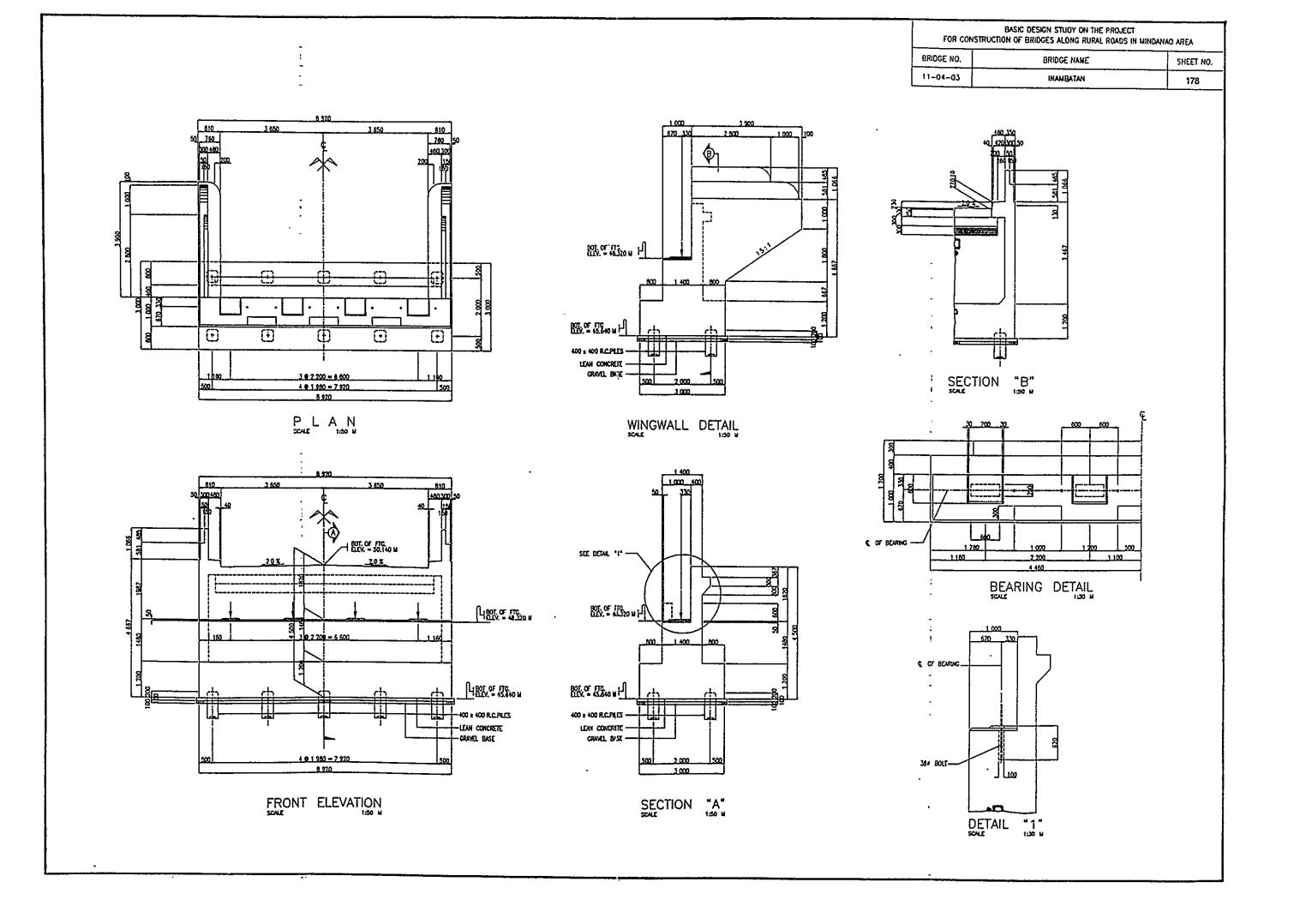


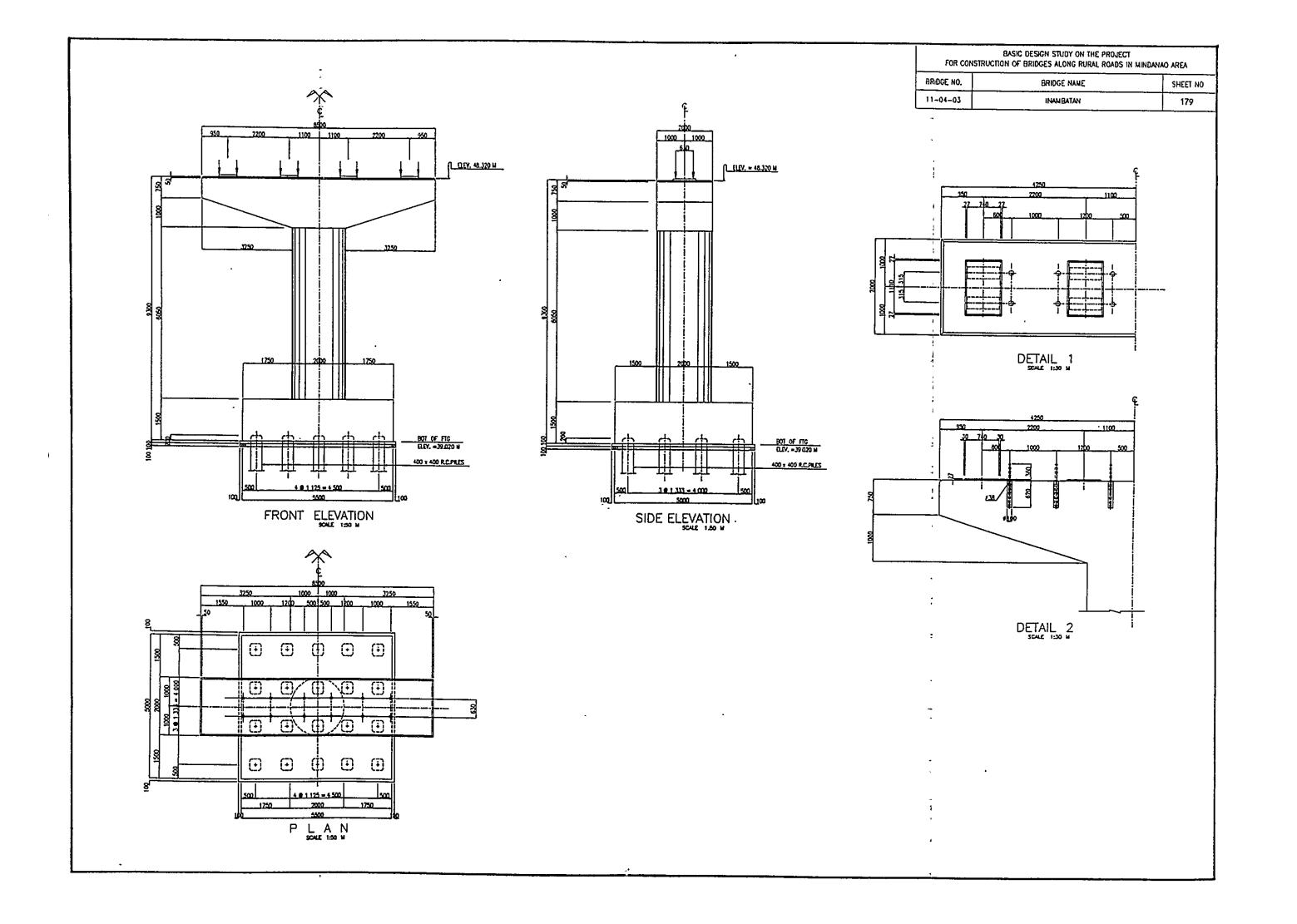


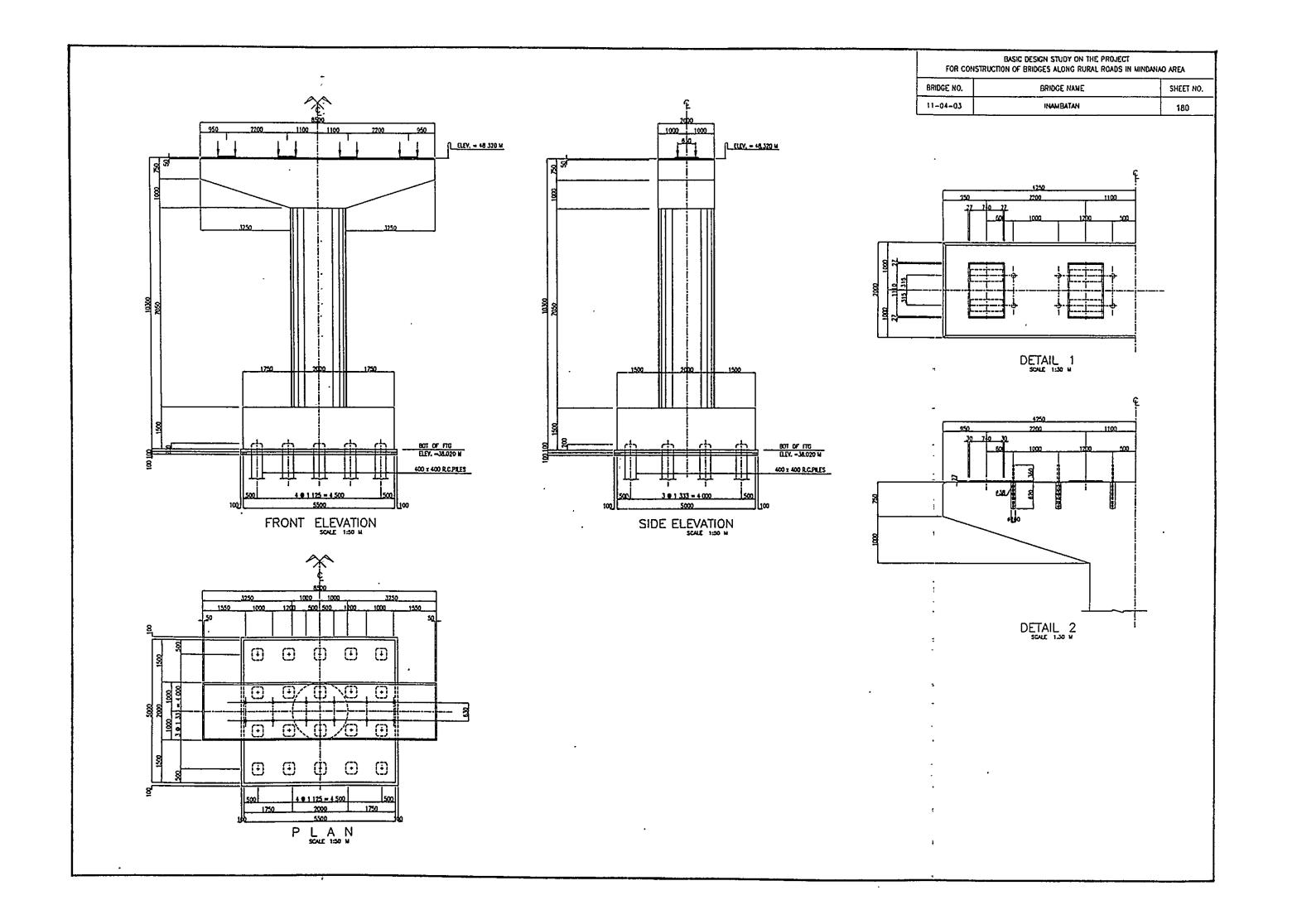
FOR COM	BASIC DESIGN STUDY ON THE PROJECT FOR CONSTRUCTION OF BRIDGES ALONG RURAL ROADS IN MINDANAO AREA					
BRIDGE NO.	BRIDGE NAME	SHEET NO.				
11-04-03	INAMBATAN	177				

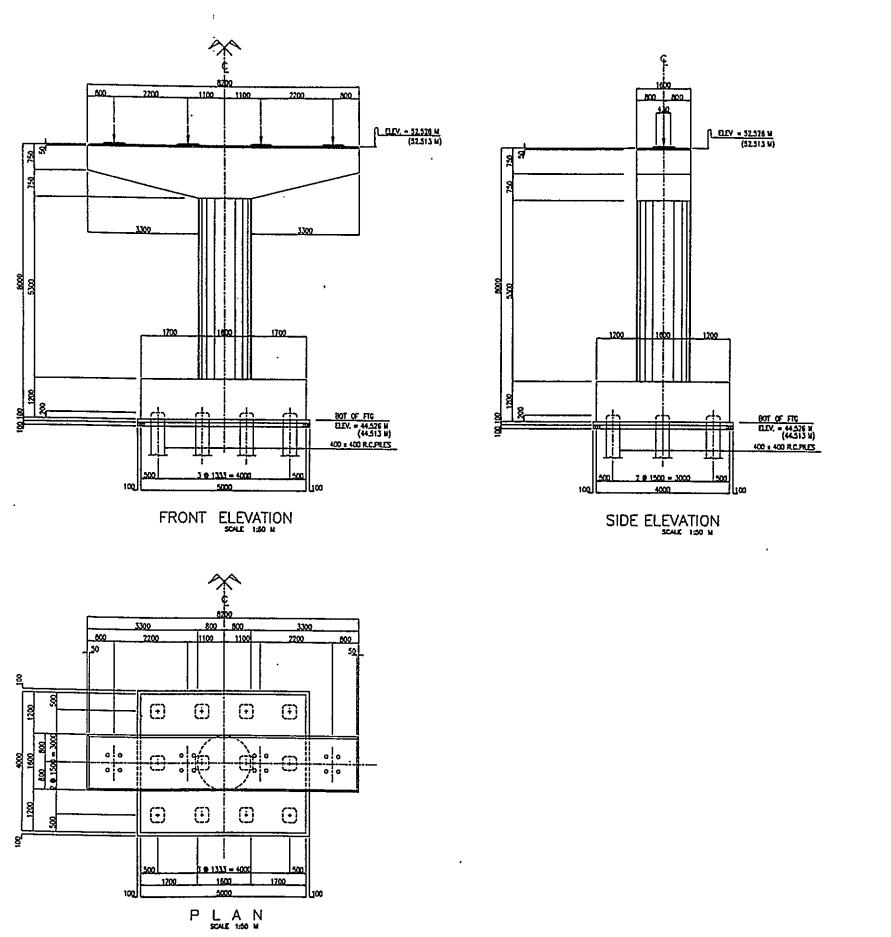








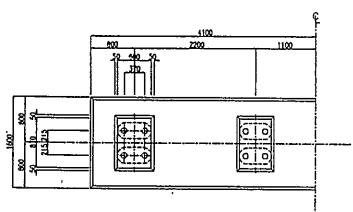




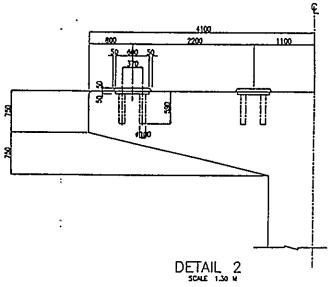
BASIC DESIGN STUDY ON THE PROJECT
FOR CONSTRUCTION OF BRIDGES ALONG RURAL ROADS IN MINDANAO AREA

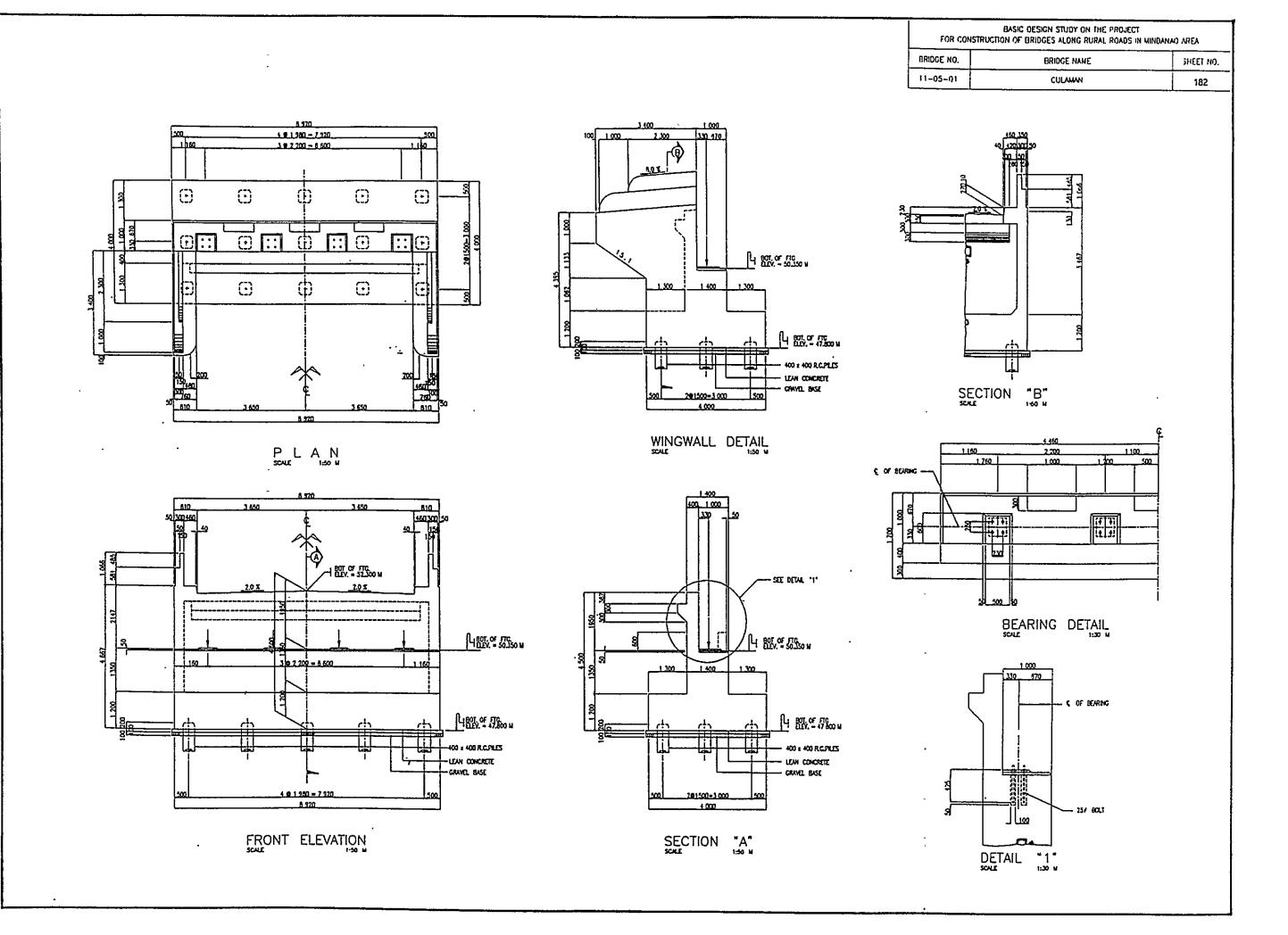
BRIDGE NO. BRIDGE NAME SHEET NO.

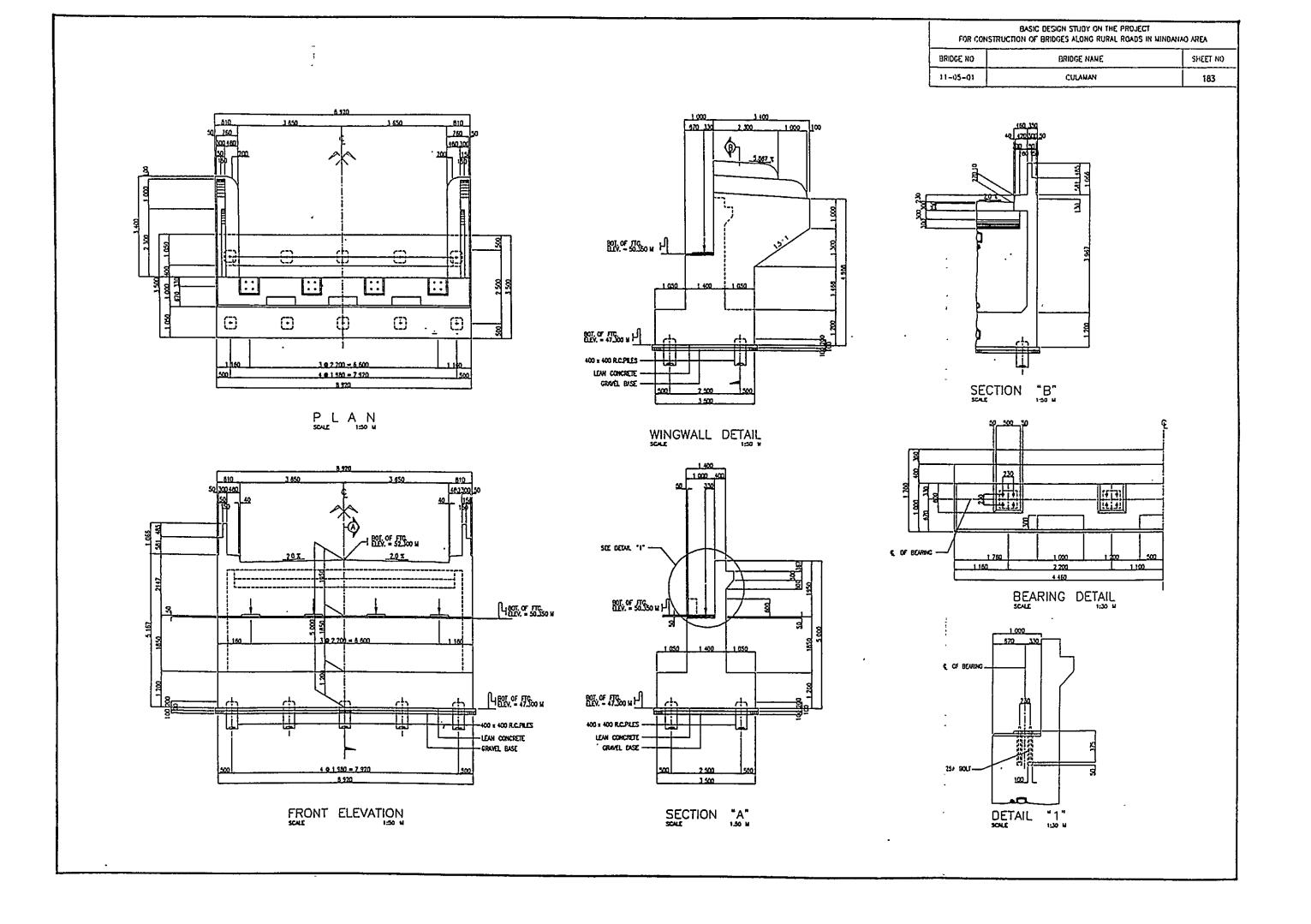
10-01-12 GUINABSAN 181

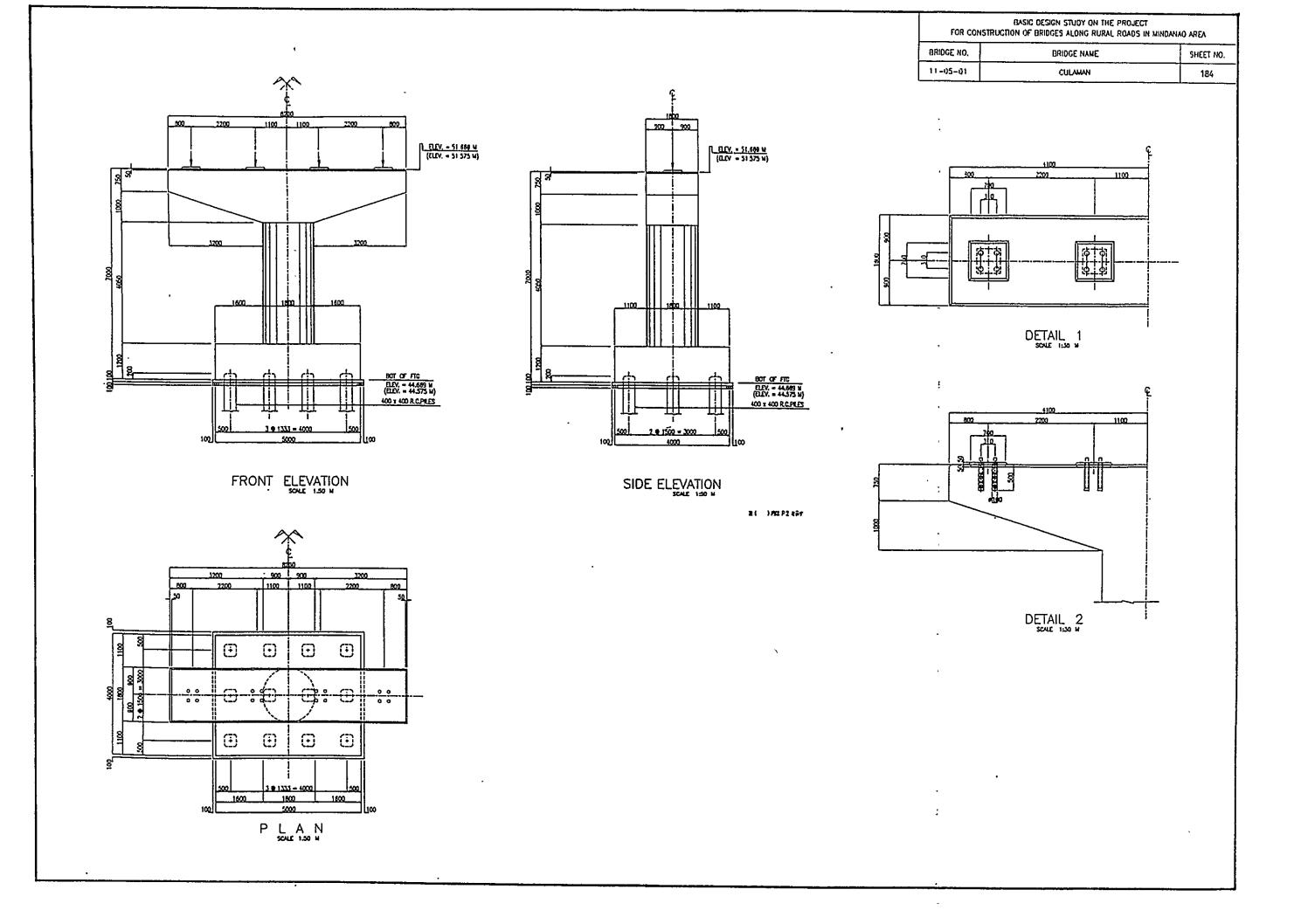


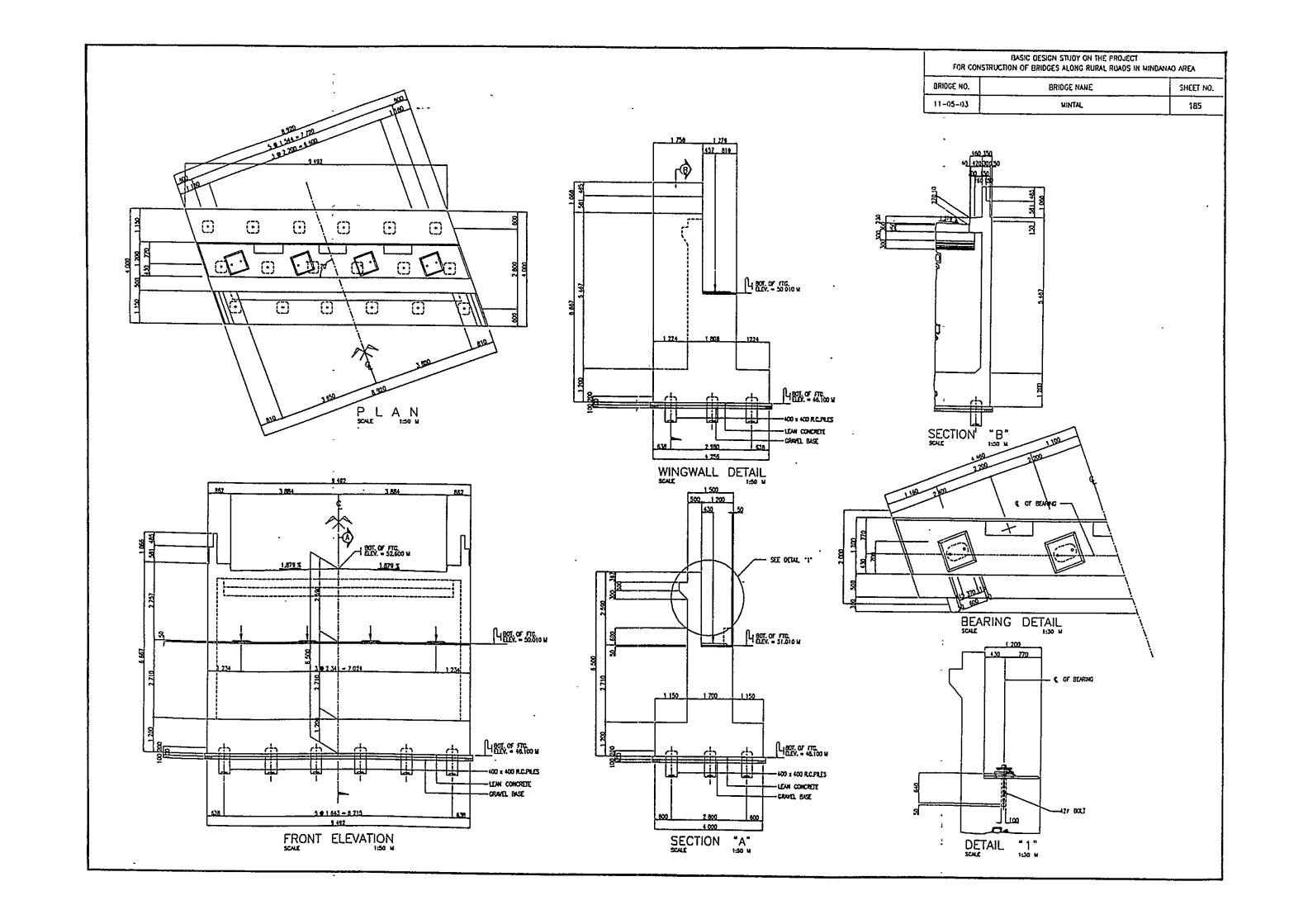
DETAIL 1

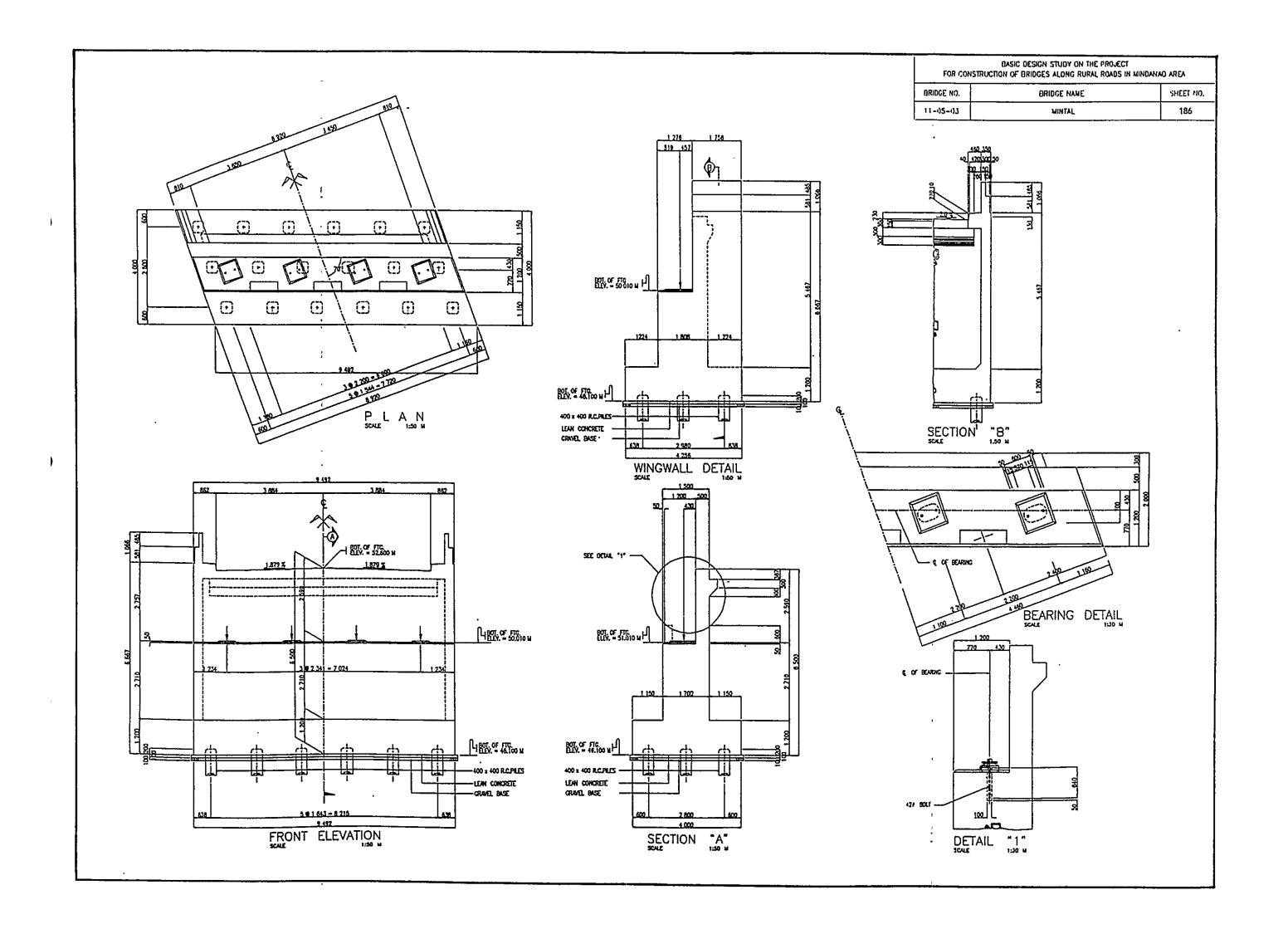












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BASIC DESIGN OF MISCELLANEOUS STRUCTURES (GROUP 2)

BASIC DESIGN STUDY ON THE PROJECT FOR CONSTRUCTION OF BRIDGES ALONG RURAL ROADS IN MINDANAO AREA					
BRIDGE NO.	Lingayao	SHEET NO.			
10-01-08	DETAIL OF STEEL PILE	187			

47, 4

29.7

41.2

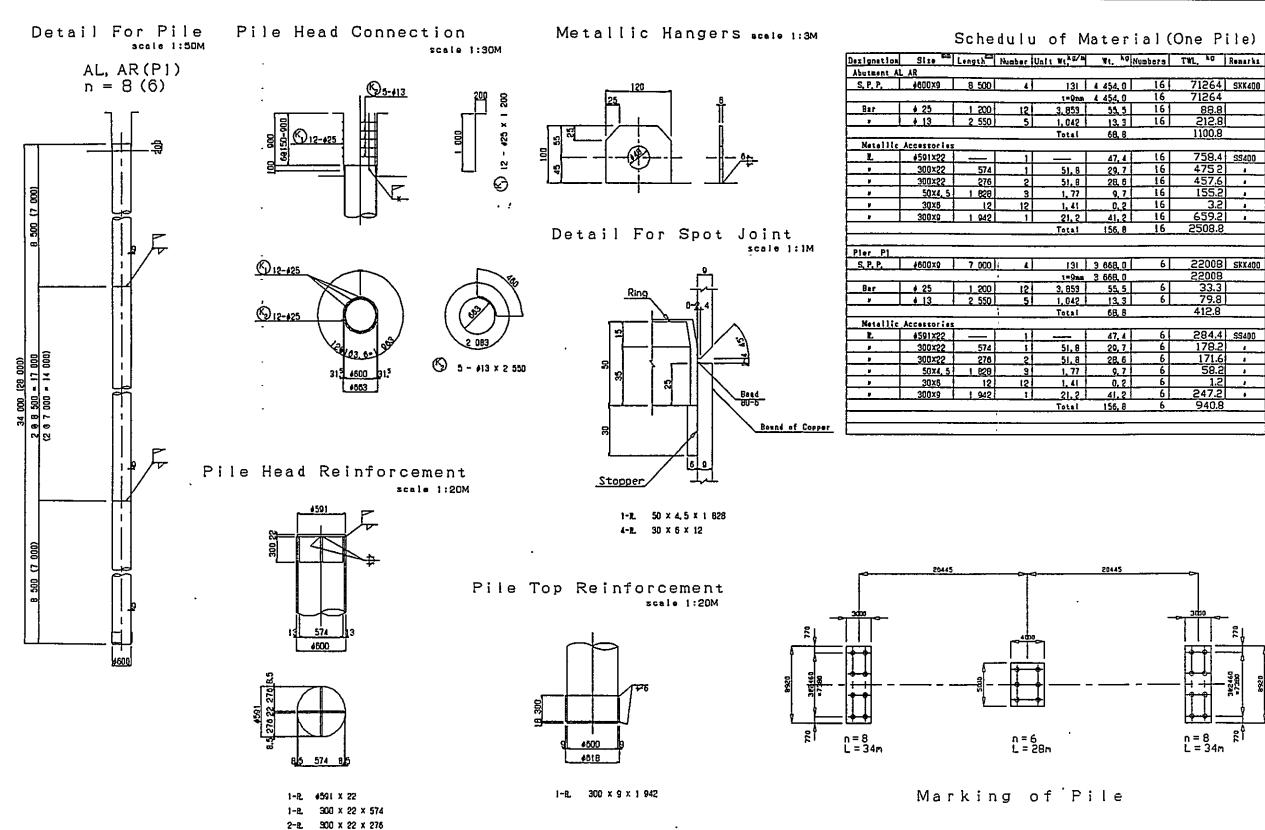
20,7

28, 6 9, 7

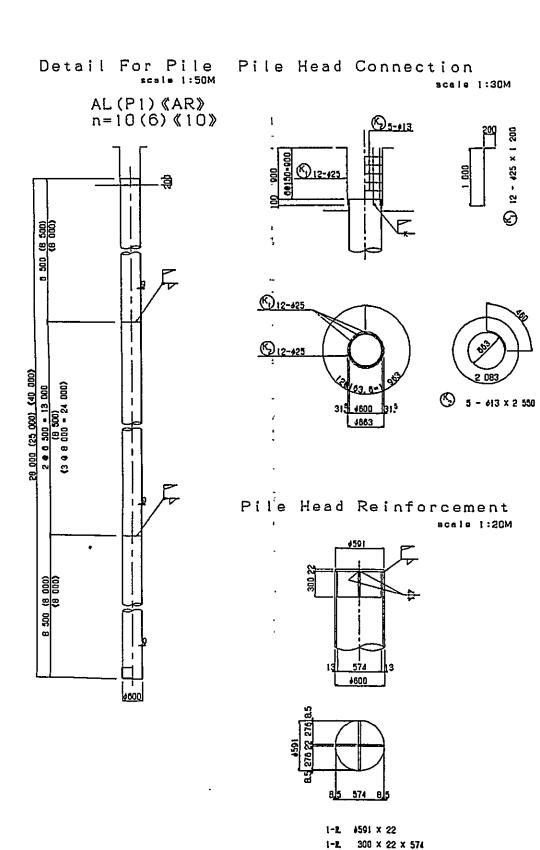
71264 SKK400 71264 88.8

33.3 79.8 412.8

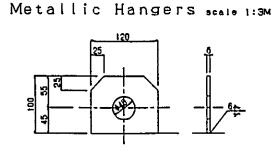
1.2 247.2



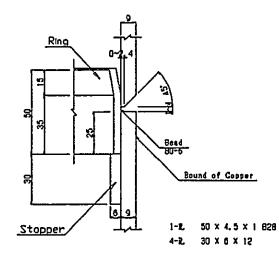
FOR CONST	BASIC DESIGN STUDY ON THE PROJECT RUCTION OF BRIDGES ALONG RURAL ROADS IN MINDAN	IAO AREA
BRIDGE NO.	Magus	SHEET NO.
10-01-09	DETAIL OF STEEL PILE	188



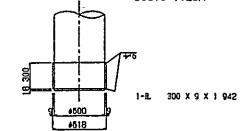
2-E 300 × 22 × 276



Detail For Spot Joint



Pile Top Reinforcement



Schedulu of Material (One Pile)

esignetion	Size ***	Length	Number	Unit Wt.kg/#	Wt. KG	Numbers	TWL KO	Ramas
Abutment A								
S, P, P,	4500×0	6 500	31	131	2 554 5	10	25545	SKK
•	4600x0	8 500	1	131	1 113,5	10	11135	
				t=Qma	3 568, 0	10	36680	
Bar	ø 25	1 200	12	3, 853	55, 5	10	555	
•	J 13	2 550	5	1,042	13, 3	10	133	
	Y Y	2 900		Total	08, 8_	10	688	
Netallic	Accessories			10001	00, 0_			
R.	4591×22		1		47, 4	10	474	SS4(
	300×22	574		51, 8	20, 7	10	297	
•	300x22	276	2	51. B	28, 6	10	286	 -
	50×4, 5	1 929	_ 3	1, 77	9, 7	10	97	
-	30×6	12	_ 12	1, 41	0.2	10	2/	.
 	300×9	1 942				10	412	
		1 342]		21.2	41.21			
				Totel	155, 8	10	1568	
Pier Pi								
S, P, P,	4600X9	B_500		12: 1	0 003 01		122/2	CVU.
		8 000	3	131	2 227, 0	6	13362	SKK
		8 000	!	131	1 048 0	61	6288 i	
	1.00			t-Oma	3 275, 0		19650	
Bar	→ 25	1 200	12	3, 853	55, 5	6	333	
*	1 + 13	2 550	51	1.042	13.3	6	79.8	
Al111.				Total	68, 8	6_	412.8	-
	Accessories		:	· · · · · · · · · · · · · · · · · · ·		-	2011	0010
<u> </u>	#501X22				47, 4	6	284.4	S\$40
	300×22	574	!	51.8	29. 7	6	1782	•
.	300x22	276	2	51, 8	28, 6	5	171.6	
	50x4, 5	1 823	<u>2 </u>	1,77	6,5	6	39	
	30x6	12		1,41	0. 1.	6	0.6	
	300x9	1 942	1	21.2	41.2	61	274.2	*
				Total	153,5	6_	921.0	
N								
Abutment A		0 500	ا م		E 503 - 1	101	ee/se l	CPU .
S. P. P.	\$600x0	8 500	<u>51</u>	131	5 587, 5	101	55675	SKK4
D	1.05	1 000		1=9mm	5 567, 5	10	55675 Esc 1	
Bar	J 25	1 200 2 550	12	3, 853	55,5	10	555	
<u> </u>	# 13	<u> </u>		1.042	13,3	<u>101</u>	133	
Man Div	*******			Total	66, 8	10	688	
	Accessories					امر	47. [6610
<u> 2</u>	4591×22		!		47, 4		474	SS40
	300x22	574	1	51, 8	29, 7	10	297	
•	300×22	276		51, 8	28, 6	10	286.	
•	50×4, 5	1 829	4	1, 77	12.9		129	
	30×6	12	16	1,41	0, 3	10	1	*
	300X9	1 345	11	31.3	41.2	10	412	,
				Total	160, 1_	. 10	1601	

