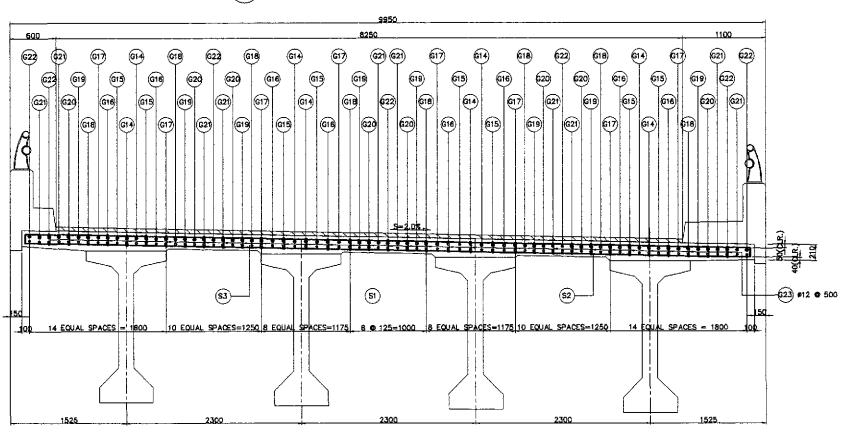
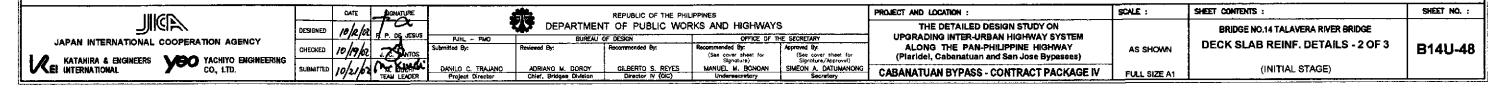
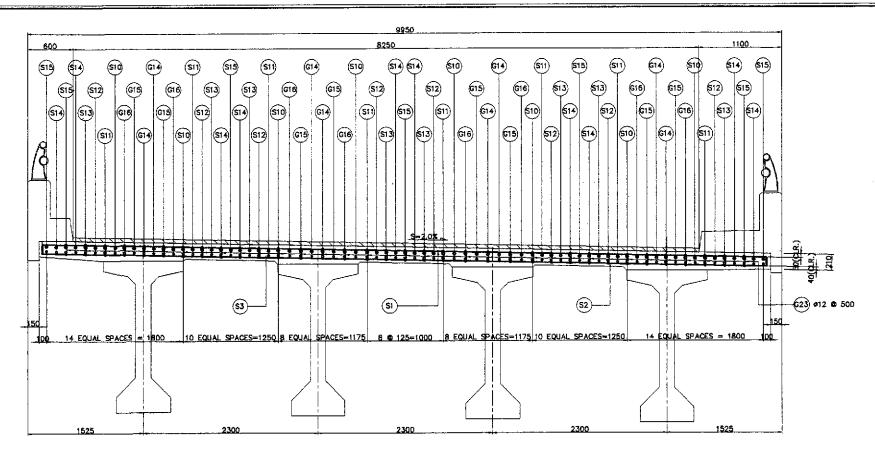


A TRANSVERSE SECTION NEAR ABUTMENT - SCALE 1:25

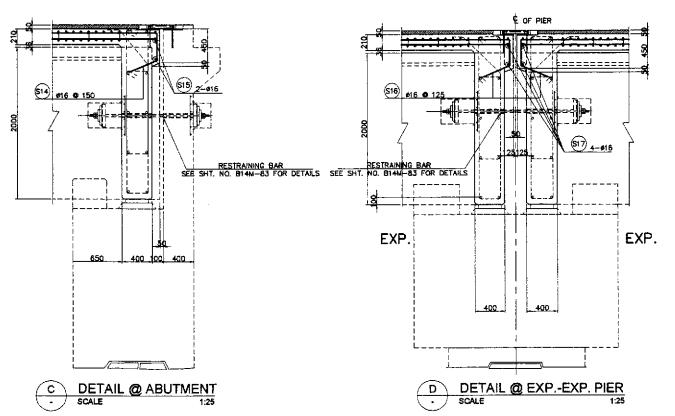


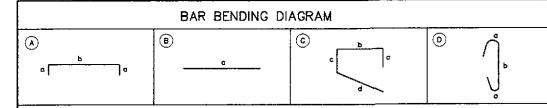
B TRANSVERSE SECTION OVER PIER SCALE 1:25





C TRANSVERSE SECTION NEAR PIER
SCALE 125





SCHEDULE OF REINFORCEMENT

	040	SIZE	0040	DIMEN	SION(r	nm) (DUT T	O OUT	LENGTH	NO	MEIGHT	WEIGH	T (kg)
LOCATION	BAR Mark	(mm)	TYPE BEND	a	ь	٥	đ	•	(mm)	NO. REO D.	(kg/m)	GRADE 40	GRADE 60
	51	16	Α	100	9550				9750	900	1.578	13847	
	S2	16	Α	100	9550		ļ .		9750	900	1.578	13847	
	\$3	16	8	119825					119825	73	1.578	13803	
	\$4	16	8	26900				1	26900	16	1.578	679	
	<u>\$5</u>	16	8	30900					30900	16	1.578	780	

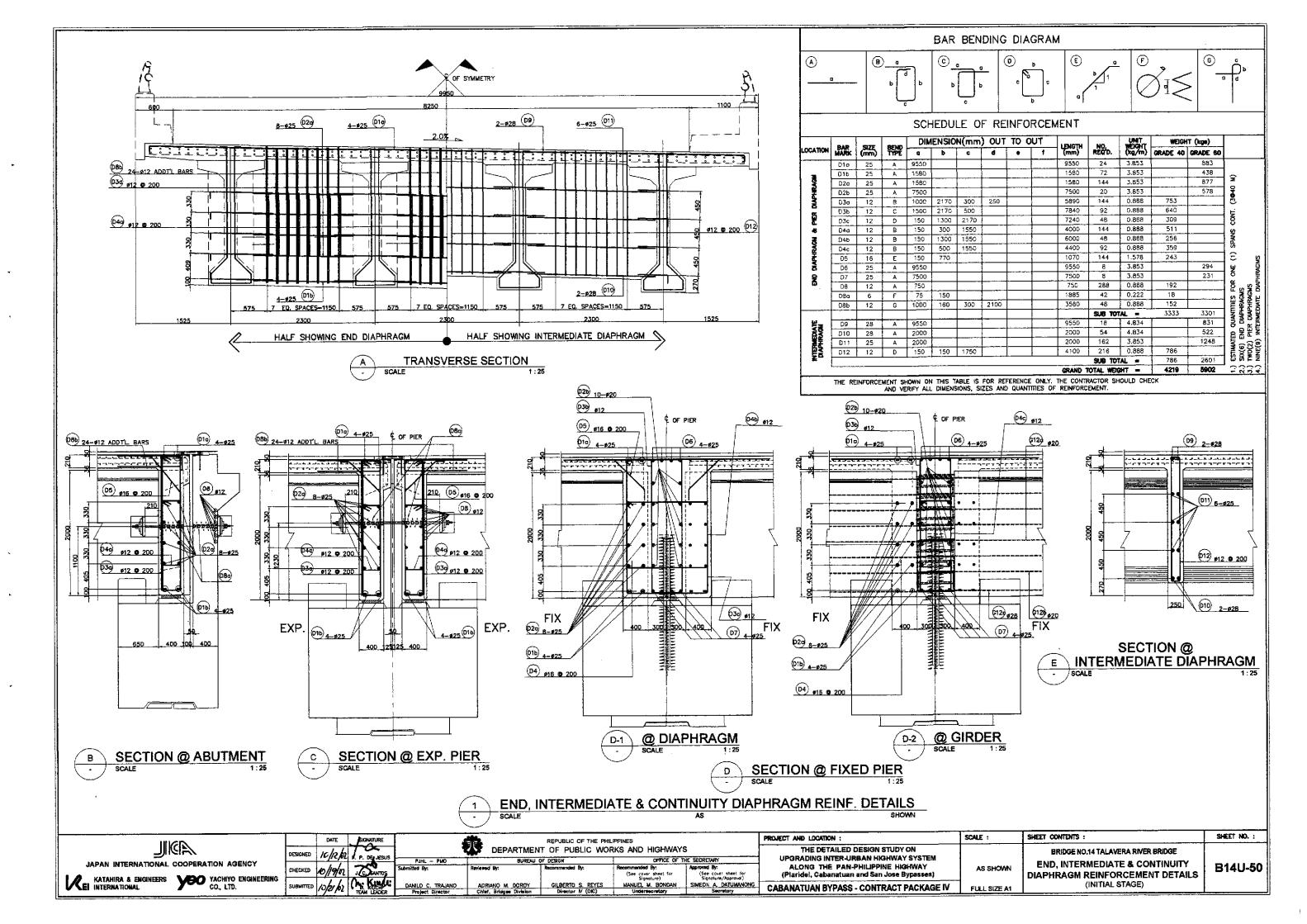
			<u> </u>		ŀ				!	1	TOTAL	WEIGHT=	49687	22798	1
1			† -						1	1]
		G23	12	D	150	110		1		410	4080	0.888		1485	1
		G22	28	В	12000	 		1		12000	14	4.834	1	812	1
		G21	28	8	18000	l		†	!	18000	20	4.834		1740	1
		G20	28	8	12000		!			12000	16	4.834		926	1
		G19	28	В	26000	l		1		26000	16	4.834		2011	1 - ~ ~ °
		G18	28	В	18000					18000	16	4.834		1392	23.8 G
		G17	28	В	26000			1		26000	16	4.834		2011	1 박 출 약 8 E2 C
1		G16	28	В	11984D.		 	T		119840	a	4.834		4634	SPLICE LENGTH NOT MINIMUM LENGTH OF SPLICING OF CONTIN GOODMEN FROM CENT (3 SPANS © 40000)
ı		G15	28	В	119840		 	 	 	119840	8	4.834		4634	A Z O E E E
ł		G14	28	8	119840			 	 	119840	8	4,834		4634	2 4 8 E G •
	_	\$17	16	В	9550			 		9550	4	1.578	60		1 ≝ 등 8 ≋ ≩무
	236	516	16	c	50	420	350	423		1243	146	1.578	285	. —	ENGTH NOT LENGTH OF OF CONTIN FROM CEN D QUANTITY
	×	515	16	В	2800D			 	 	26000	7	1,578	309		1 5 6 3 5 6 5 5
ı	DECKSLAB	514	16	8	22000	——				22000	10	1,578	347		NGTH NOT INCLUDED OF CONTINUOUS BARS O QUANTITY FOR ONE(1) 4 40000) DALE
ı		S13	16	8	28000		-			28000	. 8	1,578	353	··-	3 8 B y 5 x
ı		S12	16	8	14000					14000	8	1,578	177		DED SE IS BARS ONE(1
ı		S11	16	8	22000					22000	B	1,578	278		5.55
ı		\$10	16	8	14000					14000	В	1,578	177		1000mm (#28) IS PIERS) SPAN
ı		59	16	8	33900		_			33900	14	1.578	749		1000mm (#28) IS PIERS) SPAN C(
		57 58	16	8	30900		_	1		30900	20	1.578	975		S ALLOWED CONTINUOUS
ı		\$8 57	15	- B	25900 33900		_	-		33900	16	1.578	856		9 2
		\$5	16	B	30900			 		30900 26900	16 16	1.578	679		₽ g
ı		S4	16	B -	26900		<u> </u>	<u> </u>		26900	16	1.578	780		ي خ
		\$3	16	В	119825		ļ	ļ	ļ	119825	73	1.578	13803 679		ALLOWED ONLY
ŀ		S2	16	A	100	9550		ļ		9750	900	1.5/8	13547		4

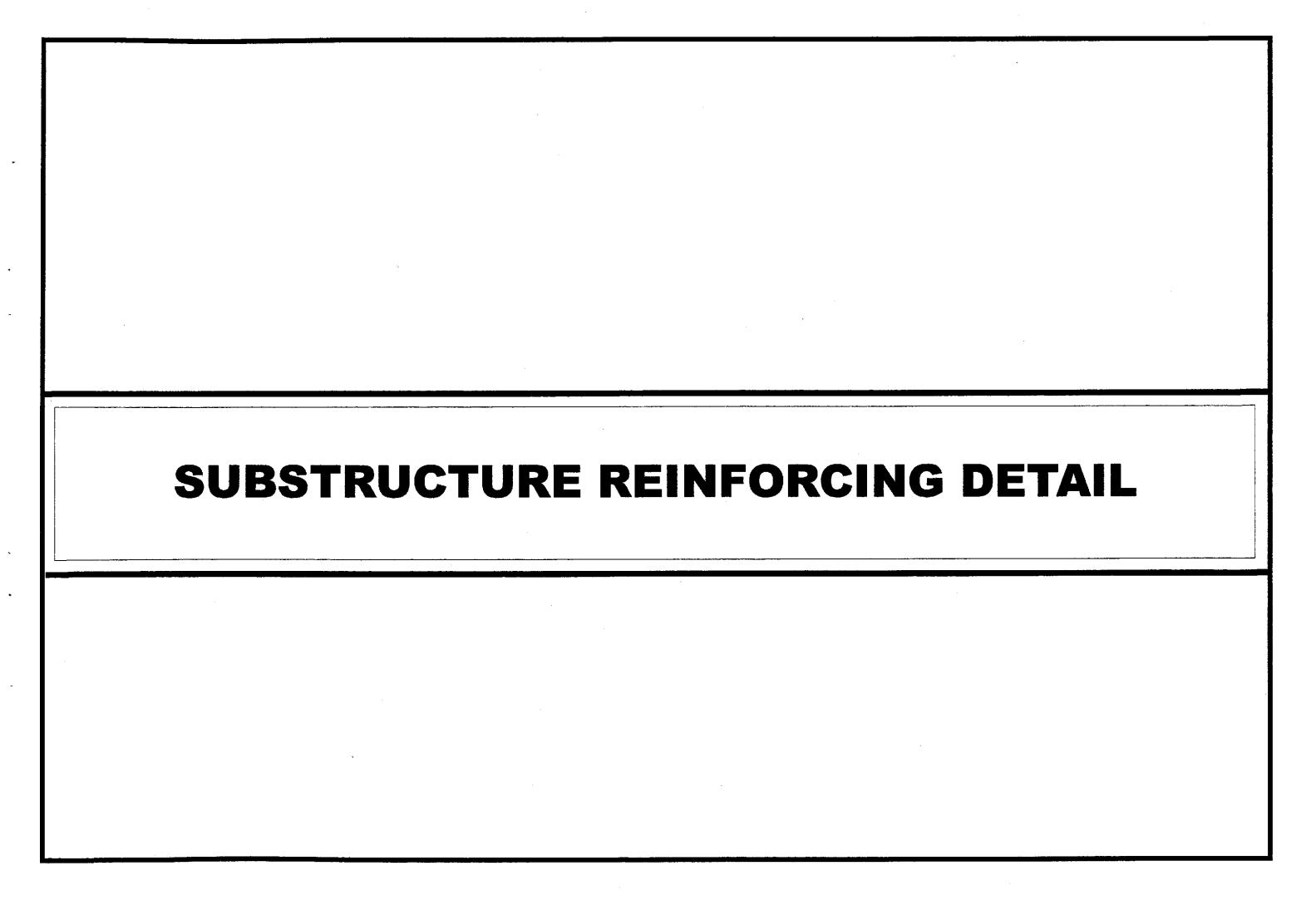
SHEET NO. :

B14U-49

THE REINFORCEMENT SHOWN ON THIS TABLE IS FOR REFERENCE ONLY. THE CONTRACTOR SHOULD CHECKED AND VERIFY ALL DIMENSIONS, SIZES AND QUANTITIES OF REINFORCEMENT.

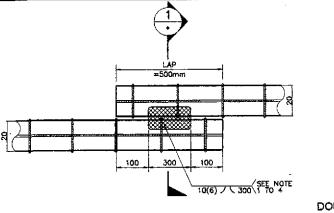
uu.co	DATE SIGNATI	RE	411	REPUBLIC OF THE PHIL	UPPINES		PROJECT AND LOCATION :	SCALE :	SHEET CONTENTS :
	DESIGNED 10/p/m		DEPARTMEN	T OF PUBLIC WOR	RKS AND HIGHWAY	S	THE DETAILED DESIGN STUDY ON		BRIDGE NO.14 TALAVERA RIVER BRIDGE
JAPAN INTERNATIONAL COOPERATION AGENCY	SUFERIED AND AND AND AND AND AND AND AND AND AN	PJHL - PMO Submitted Sec	BUREAU (OF DESIGN Recommended Bro	OFFICE OF 1 Recommended By:	HE SECRETARY Approved By:	UPGRADING INTER-URBAN HIGHWAY SYSTEM ALONG THE PAN-PHILIPPINE HIGHWAY	AS SHOWN	DECK SLAB REINF, DETAILS - 3 OF 3
	CHECKED /0/49/02	ros			(See cover sheet for Signature)	(See cover sheet for Signature/Approval)	(Plaridel, Cabanatuan and San Jose Bypasses)	AS SHOWN	
KATAHIRA & ENGINEERS YOU YACHIYO ENGINEERING CO, LTD.	SUBMITTED 10/2/62 TEAM LE		ADRIANO M. DORCY Chief, Bridges Division	GILBERTO S. REYES Director N (OIC)	MANUEL M. BONDAN Undersecretory	SIMEON A DATUMANONG Secretary	CABANATUAN BYPASS - CONTRACT PACKAGE IV	FULL SIZE A1	(INITIAL STAGE)

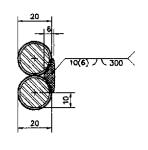






- 1. THE REINFORCEMENT ARE LAP-WELD CONNECTED (FLARED-V-GROOVE TYPE).
- WELDING SHOULD CONFORM TO ANSI/AWS D1.4—92 "STRUCTURAL WELDING CODE REINFORCEMENT STEEL".
- 3. USE ELECTRODE ESOXX-X.
- 4. CARE SHOULD BE TAKEN NOT TO DAMAGE THE BORED PILE MAIN BARS DURING WELDING.

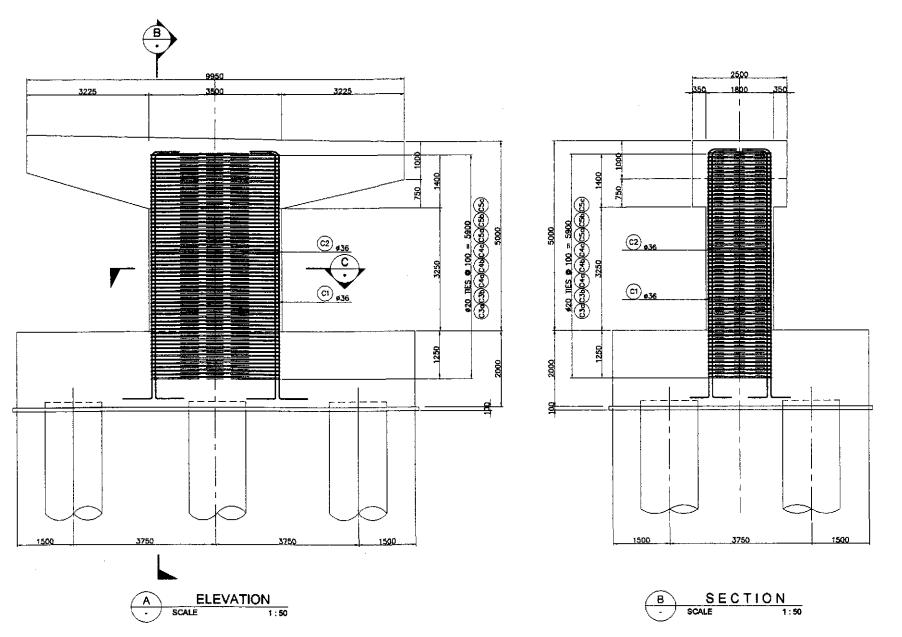


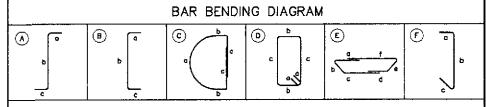


DIRECT LAP JOINT WITH BARS IN CONTACT

DOUBLE FLARED-V-GROOVE WELD SECTION - 1







SCHEDULE OF REINFORCEMENT

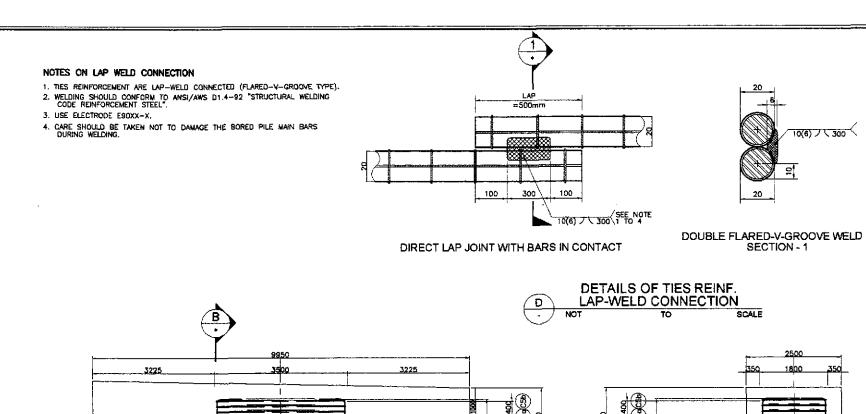
, DIN	240	ENSIO	N(mm)	OUT	TO 0	UT	LENGTH	NO.	LINIT	WEIGHT (kg)
2 0.1	N BAR MARK	ь	¢	d	•	f	(mm)	REQ'D.	(kg/m)	grade 60
650	C1	6500	650				7800	92	7.990	5734
650	C2	6500	650				7800	68	7.990	423B
2580	C3o	390	1075				5510	120	2.466	1631
2260	C3b	200	975				4610	120	2.466	1364
260	C40	1810	1650			1	7440	60	2.466	1101
260	C4b	1440	1450				6300	60	2.466	932
260	C4c	1650	450				4720	180	2.466	2104
1420	C5a	280	2440	1420	280	1420	7260	120	2.466	2231
1160	С56	270	2340	1150	270	2340	5200	60	2.466	1074
300	C5c	1650	350				2300	240	2.466	1361
							TOTAL W	EIGHT (GR	NDE 80) =	21,770 Kgs
650	C1	6500	650				7800	92	7.990	5734
650	C2	6500	650				7800	68	7.990	4238
2580	C3o	390	1075				5510	120	2.466	1631
2260	C36	200	975				4610	120	2.466	1364
260	C4a	1810	1650				7440	60	2.466	1101
260	C4b	1440	1450				6300	60	2.466	932
260	C4c	1650	450				4720	180	2.466	2104
1420	C5a -	280	2440	1420	280	1420	7260	120	2.466	2231
1160	C5b	270	2340	1160	270	2340	5200	60	2.466	1074
300	C5c	1650	350				2300	240	2.466	1361
T							TOTAL W	EIGHT (GR	ADE 60) -	21,770 Kgs
		10WN ON	OWN ON THIS TA	HOWN ON THIS TABLE IS	10WN ON THIS TABLE IS FOR REF	HOWN ON THIS TABLE IS FOR REFERENCE	HOWN ON THIS TABLE IS FOR REFERENCE ONLY.	TOTAL WI	TOTAL WEIGHT (GR.	TOTAL WEIGHT (GRADE 60) = HOWN ON THIS TABLE IS FOR REFERENCE ONLY. THE CONTRACTOR SHOULD CHE

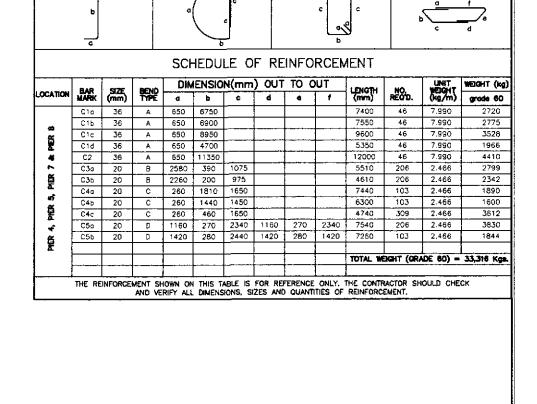
1 COLUMN REINFORCEMENT DETAILS (PIER 1 & PIER 2 - FIXED PIER)
- SCALE AS SHOWN

SCALE : SHEET CONTENTS : SHEET NO. : PROJECT AND LOCATION : REPUBLIC OF THE PHILIPPINES DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS THE DETAILED DESIGN STUDY ON BRIDGE NO.14 TALAVERA RIVER BRIDGE UPGRADING INTER-URBAN HIGHWAY SYSTEM OFFICE OF THE SECRETAR JAPAN INTERNATIONAL COOPERATION AGENCY **COLUMN REINFORCEMENT DETAILS** ALONG THE PAN-PHILIPPINE HIGHWAY (See cover sheet for Signoture)

MANUEL M. BONCAN

Undarmecratory B14S-61 AS SHOWN CHECKED (PIER 1 & PIER 2 - FIXED PIER) (INITIAL STAGE) (Placidel, Cabanatuan and San Jose Bypasses) KATAHIRA & ENGINEERS INTERNATIONAL YACHIYO ENGINEERING CO, LTD. SIMEON A. DATUMANONG CABANATUAN BYPASS - CONTRACT PACKAGE IV FULL SIZE A1

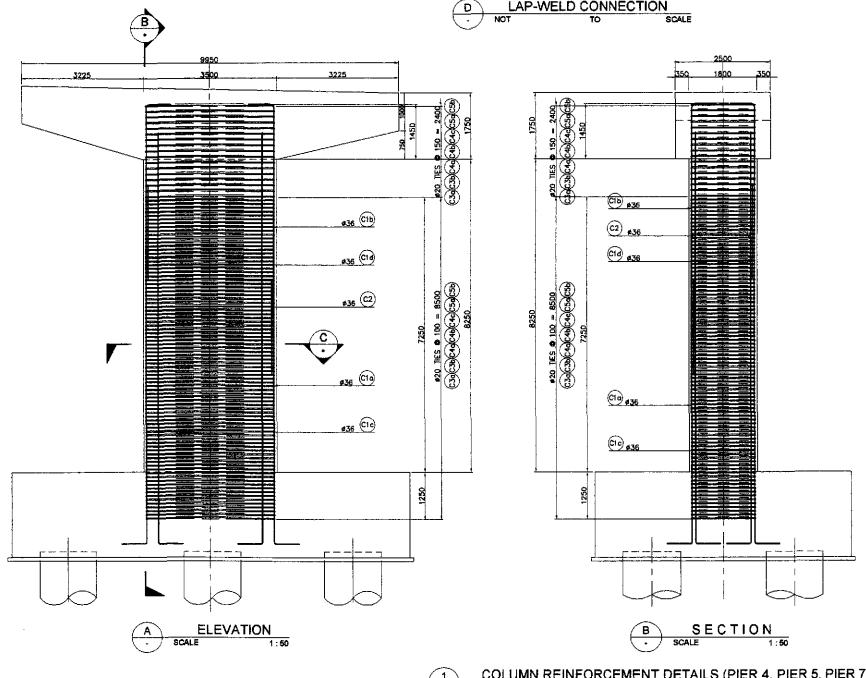


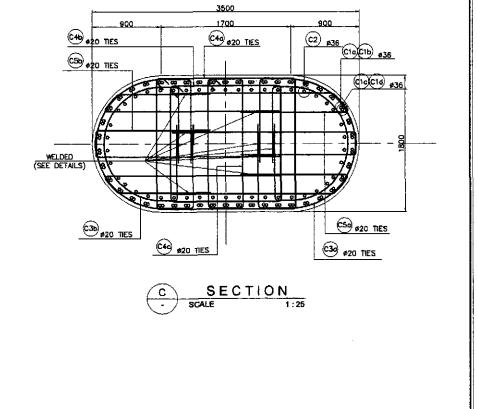


(B)

(A)

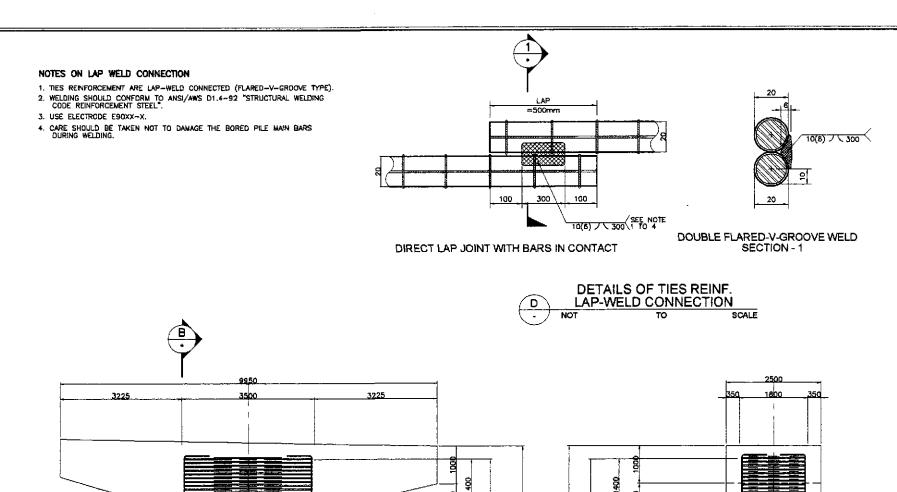
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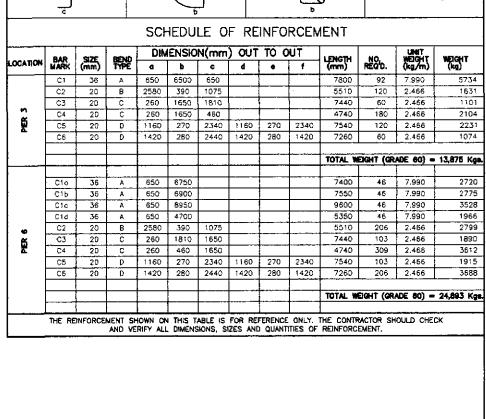




1 COLUMN REINFORCEMENT DETAILS (PIER 4, PIER 5, PIER 7 & PIER 8 - FIXED PIERS)
SHOWN

IIIGD		DATE	EXCHATURE		1	REPUBLIC OF THE PHI	LIPPINES		PROJECT AND LOCATION :	SCALE :	SHEET CONTENTS :	SHEET NO. ;
	DESIGNED	N/R/R	P. DE ÆSUS	•	<u>-</u>	IT OF PUBLIC WOR			THE DETAILED DESIGN STUDY ON UPGRADING INTER-URBAN HIGHWAY SYSTEM		BRIDGE NO.14 TALAVERA RIVER BRIDGE	
JAPAN INTERNATIONAL COOPERATION AGENCY	CHECKED	10/19/4		PJHL ~ PMO Submitted By:	Reviewed By:	OF DESIGN Recommended By:	Recommended By: (See cover sheet for	Approved By:	ALONG THE PAN-PHILIPPINE HIGHWAY	AS SHOWN	COLUMN REINFORCEMENT DETAILS	B14S-62
KATAHIRA & ENGINEERS YEO YACHIYO ENGINEERING CO., LTD.	SUBMITTED	10/1/01	Y KILLOU	DANILO C. TRAJANO	ADRIANO M. DOROY	GILBERTO S. REYES	Signoture) MANUEL M. BONDAN	(See cover sheet for Signature/Approval) SIMEON A. DATUMANONG	(Plaridel, Cabanatuan and San Jose Bypasses) CABANATUAN BYPASS - CONTRACT PACKAGE IV		(PIERS P4, P5, P7 & P8 - FIXED PIER) (INITIAL STAGE)	
The international Society	L	10/2/02	TEAM LEADER	Project Director	Chief, Bridges Division	Director (V (OIC)	Undersecratory	Secretary	CABARATUAN STEASS - CONTRACT PACKAGETY	FULL SIZE A1		<u> </u>



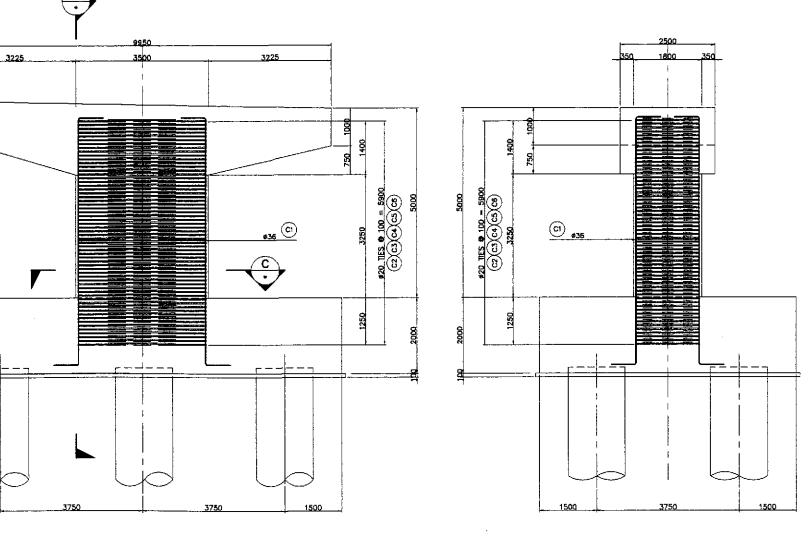


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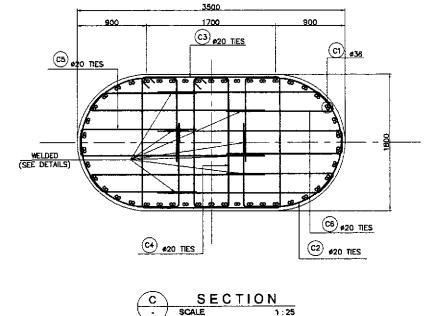
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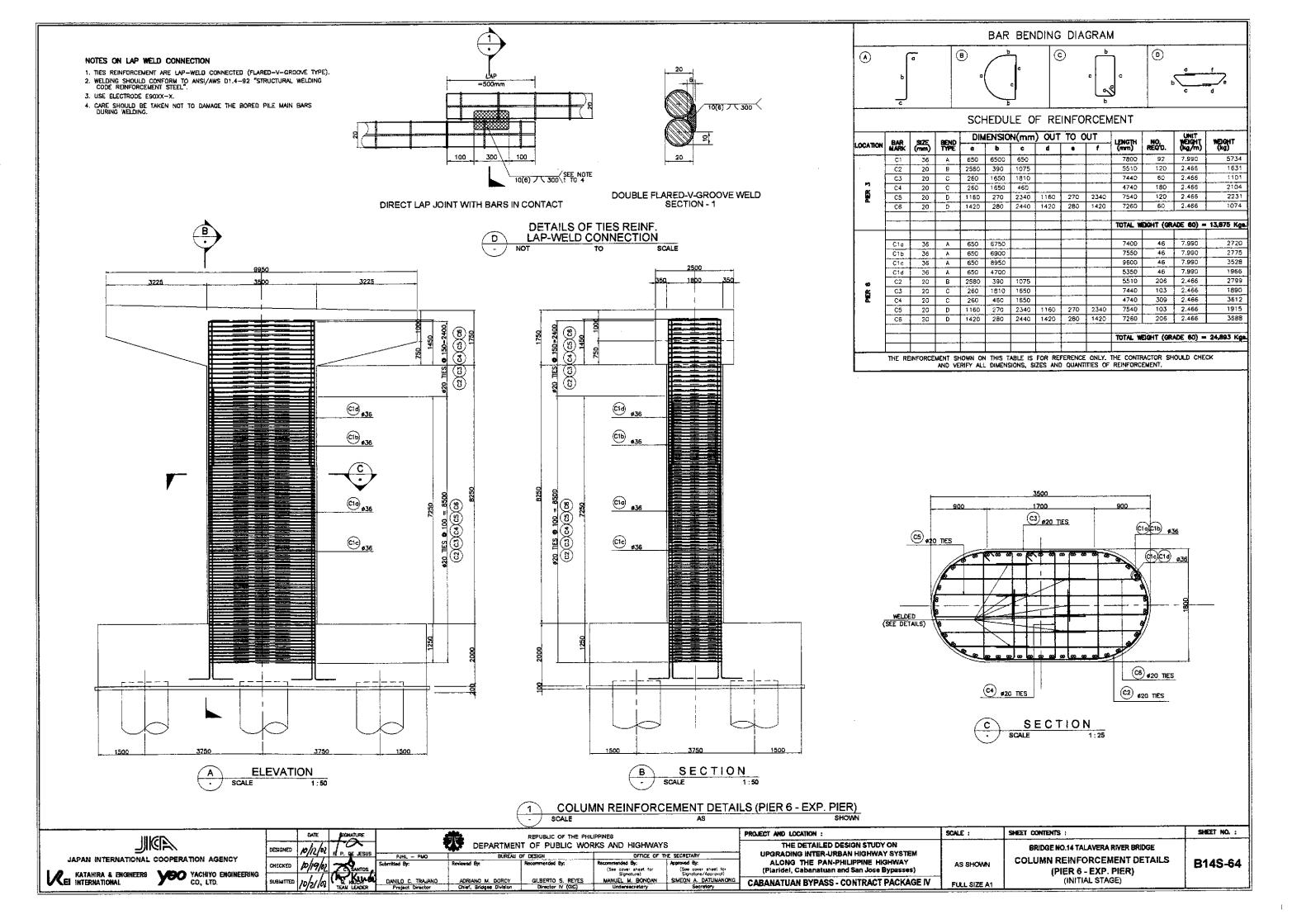
ELEVATION

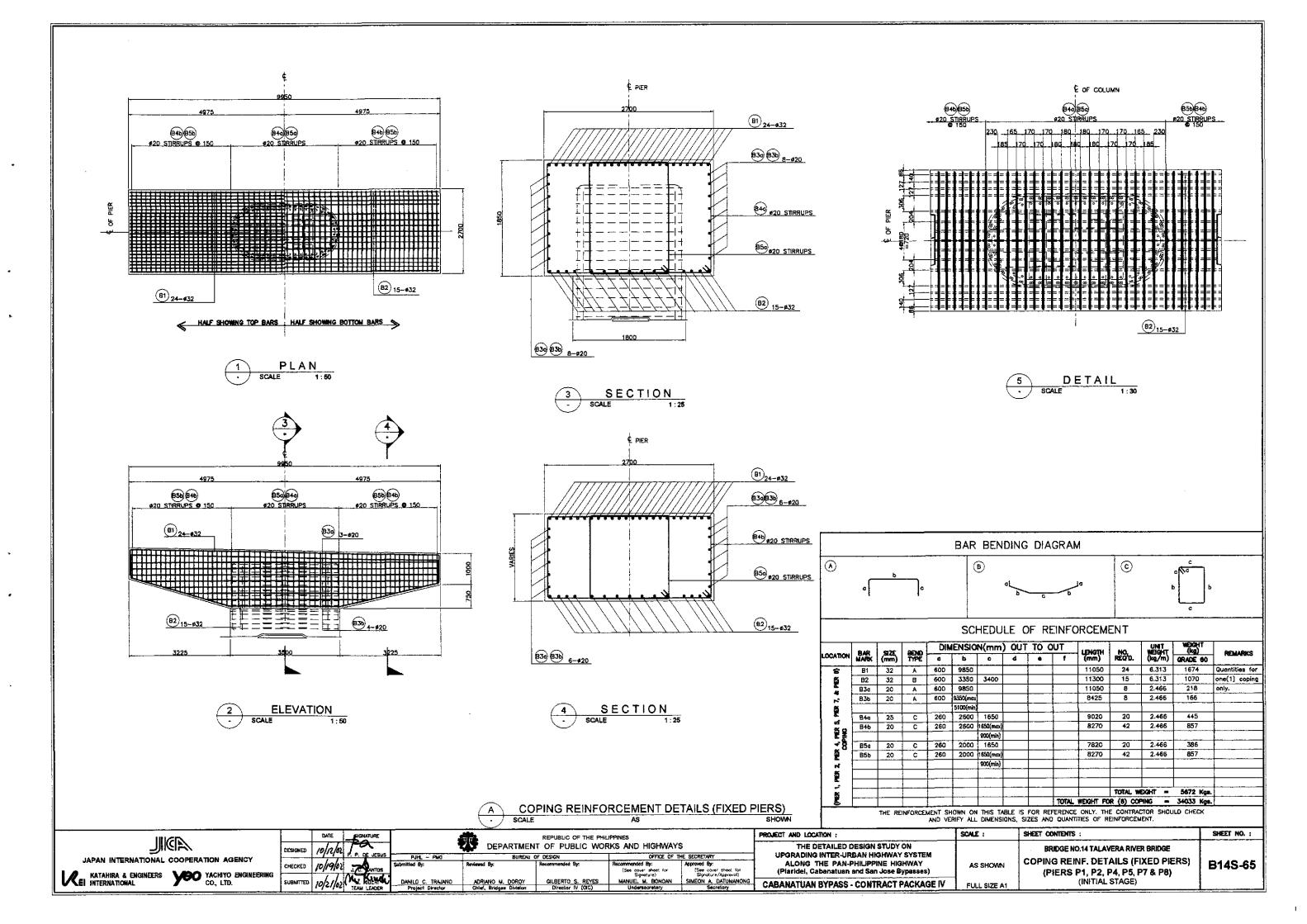


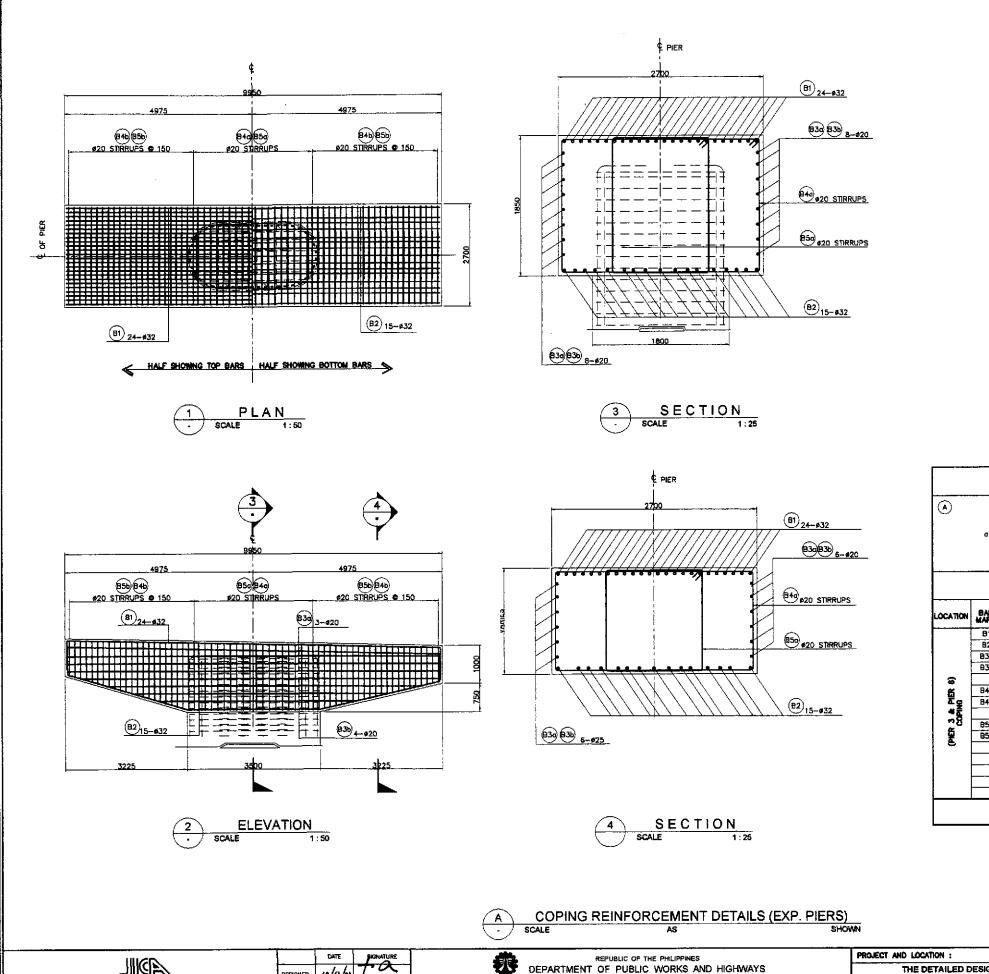


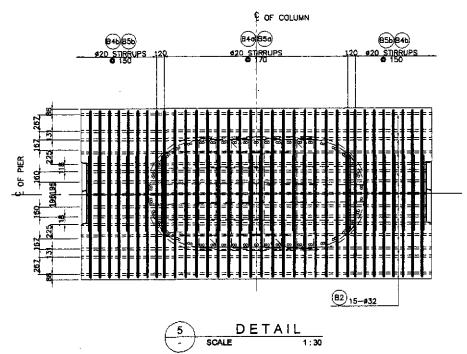
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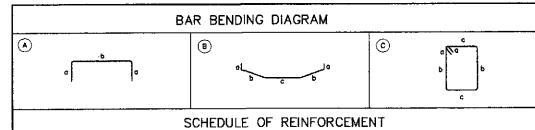
ı	INICE		DATE SKRNATURE	1		REPUBLIC OF THE PI	HILIPPINES		PROJECT AND LOCATION:	SCALE :	SHEET CONTENTS :	SHEET NO. :
H	<u>ه</u> اهالا	DESIGNED	10/12/02 E. P. DE .ESUS	1			ORKS AND HIGHWAY		THE DETAILED DESIGN STUDY ON UPGRADING INTER-URBAN HIGHWAY SYSTEM		BRIDGE NO.14 TALAVERA RIVER BRIDGE	
	JAPAN INTERNATIONAL COOPERATION AGENCY	CHECKED	10/19/10 753	Fulfi PMO Submitted By:	Reviewed By:	OF DESIGN Recommended By:	Recommended Sy:	HE SECRETARY Approved By:	ALONG THE PAN-PHILIPPINE HIGHWAY	AS SHOWN	COLUMN REINFORCEMENT DETAILS	B14S-63
	KATAHIRA & ENGINEERS YEO YACHIYO ENGINEERING CO., LTD.	SUBMITTED	10/21/42 (Va. Krunch	DANILO C. TRAJANO	ADRIANG M. DORÓY	GILBERTO S. REYES	(See cover sheet for Signature) MANUEL M. BONOAN	(See cover sheel for Signature/Approval) SIMEON A. DATUMANONG	(Plaridel, Cabanatuan and San Jose Bypasses) CABANATUAN BYPASS - CONTRACT PACKAGE IV		(PIER 3 - EXP. PIER) (INITIAL STAGE)	
	• 421 KIZZIGENIOSE 2 00, 01.51		TEAM LEADER	Project Director	Chief, Bridges Division	Director IV (QIC)	Undermocretory	Secretary	CABARATOAT BIFA33 CONTRACT FACIOACET	FULL SIZE A1	, , , , , , , , , , , , , , , , , , , ,	





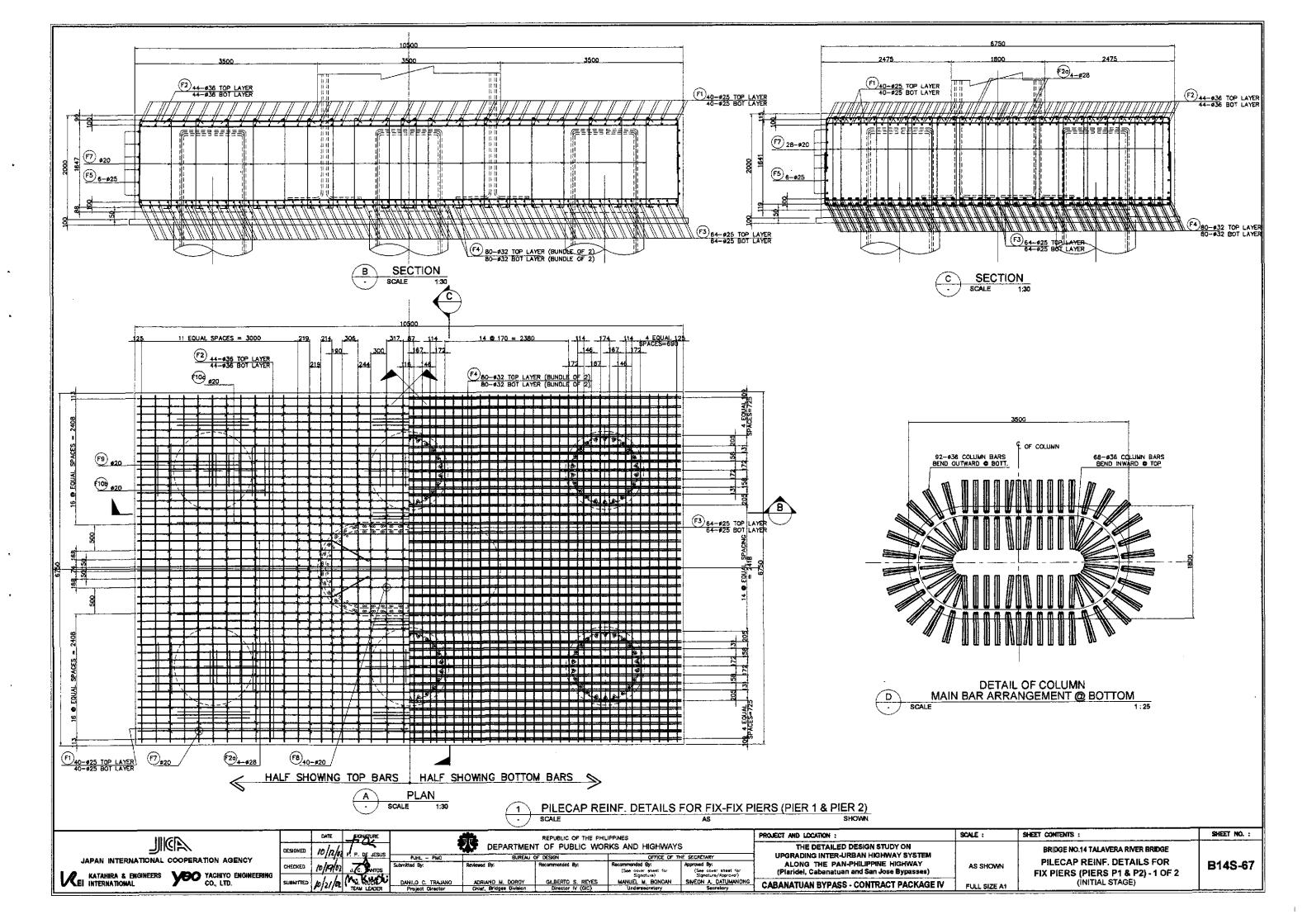


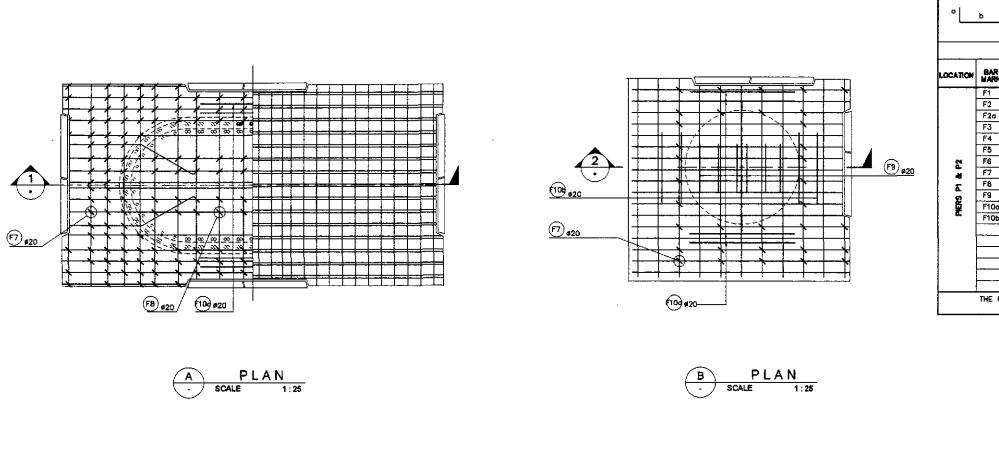


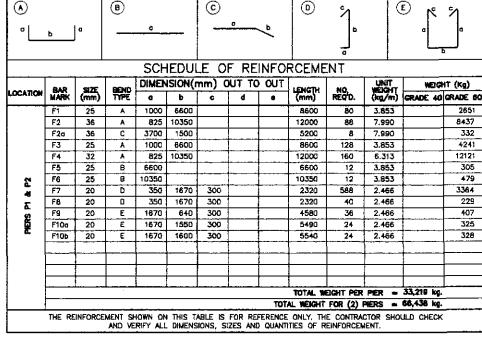


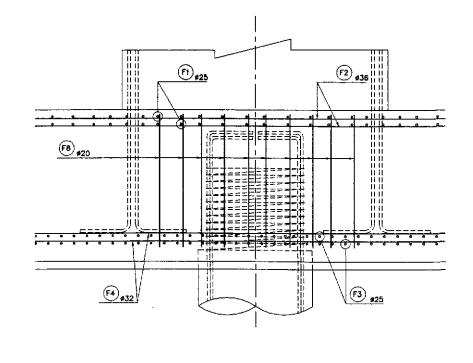
	919	SIZE	acun	DIN	AENSIO	N(mm)	OUT	TO (TUC	LENGTH	WO.	UNIT	WEJCHT (kg)	REMARKS
LOCATION	BAR Mark	(mm)	BEND TYPE	a	b	٥	4	•	f	(mm)	NO. REGID.	(kg/m)	GRADE 60	1,000,000
	81	32	Α	600	9850					11050	24	6.313	1674	Quantities fo
	82	32	В	600	3350	3400				11300	15	6.313	1070	ane(1) capin
	834	20	A	600	9850					11050	8	2.466	218	anly.
	93b	20	A	600	9350(max				1	8425	8	2.466	166	1
<u>ଚ</u>					5100(min)						1			
	B4a	25	С	260	2600	1650				9020	20	2.466	445	
3 & PIER COPING	B4b	20	С	260	2600	1650(max)				8270	42	2.466	857	I
4₹					1	900(min)								
5 .8	₿ 5¢	20	С	260	2000	1650			<u> </u>	7820	20	2,466	386	
(PECR	B5b	20	C	260	2000	1650(max)			1	8270	42	2.466	857	
5						900(min)								
				<u> </u>	 			-						
									<u> </u>		TOTAL W	EIGHT =	5672 Kga.	
					i				TOTAL	WEIGHT FO	R (2) CO	PING =	11344 Kga.	

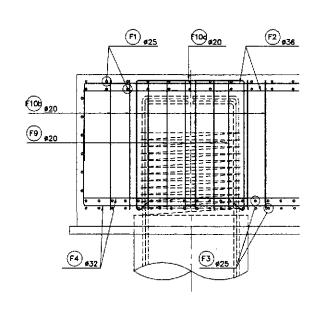
H	(IIICD		DATE	SIGNATURE			REPUBLIC OF THE PHI	LIPPINES		PROJECT AND LOCATION :	SCALE :	SHEET CONTENTS :	SHEET NO. :
-		DESIGNED	10/12/02	FI P. DE JESUS	1	757		RKS AND HIGHWAY		THE DETAILED DESIGN STUDY ON UPGRADING INTER-URBAN HIGHWAY SYSTEM		BRIDGE NO.14 TALAVERA RIVER BRIDGE	
ł	JAPAN INTERNATIONAL COOPERATION AGENCY	CHECKED	10/19/01		FUHL - PMO Submitted By:	Reviewed By:	OF DESIGN Recommended By:	OFFICE OF T Recommended By: (See cover sheet for	Approved By: (See cover sheel for	ALONG THE PAN-PHILIPPINE HIGHWAY (Plaridel, Cabanatuan and San Jose Bypasses)	AS SHOWN	COPING REINF, DETAILS (EXP. PIERS) (PIER 3 & PIER 6)	B14S-66
	KATAHIRA & ENGINEERS YACHIYO ENGINEERING CO., LTD.	SUBNITTED	10/21/02	M. KHAPAC TEAM LEADER	DANILO C. TRAJANO Project Director	ADRIANO M. DOROY Chief, Bridges Division	GILBERTO S. REYES Director N (QC)	Signature) MANUEL M. BONGAN Undersecratory	Signature/Approval) SIMEON A. DATUMANONG Secretory	CABANATUAN BYPASS - CONTRACT PACKAGE IV	FULL SIZE A1	(INITIAL STAGE)	











SECTION

PILECAP REINF. DETAILS FOR FIX-FIX PIERS (PIER 1 & PIER 2) SCALE

JAPAN INTERNATIONAL COOPERATION AGENCY KATAHIRA & ENGINEERS YOU YACHIYO ENGINEERING CO., LTD.

DATE pho I. CHECKED /0/19/2

SECTION

SIGNATURE		ġ.
	•	⇔
P. DE LESUS	PJHL - PMO	Ē
6 sylos	Submitted By:	Ren
Kurch	DANILO C. TRAJANO	
AM LEADER	Project Director	<u> </u>

4	DEPARTMEN	REPUBLIC OF THE PHIL T OF PUBLIC WOR	IPPINES KKS AND HIGHWAYS	ı
PJHL - PMO	BUREAU	of Design	OFFICE OF TH	E SECRETARY
itted By:	Reviewed By:	Recommended By:	Recommended Sy:	Approved By:
· ·			(See cover sheet for Signature)	(See cover sheet for Signature/Approval)
WILO C. TRAJANO	ADRIANO M. DOROY	GILBERTO S. REYES	MANUEL M. BONGAN	SIMEON A. DATUMANONG
Project Director	Chief, Bridges Division	Director IV (OIC)	Undersecratory	Secretory

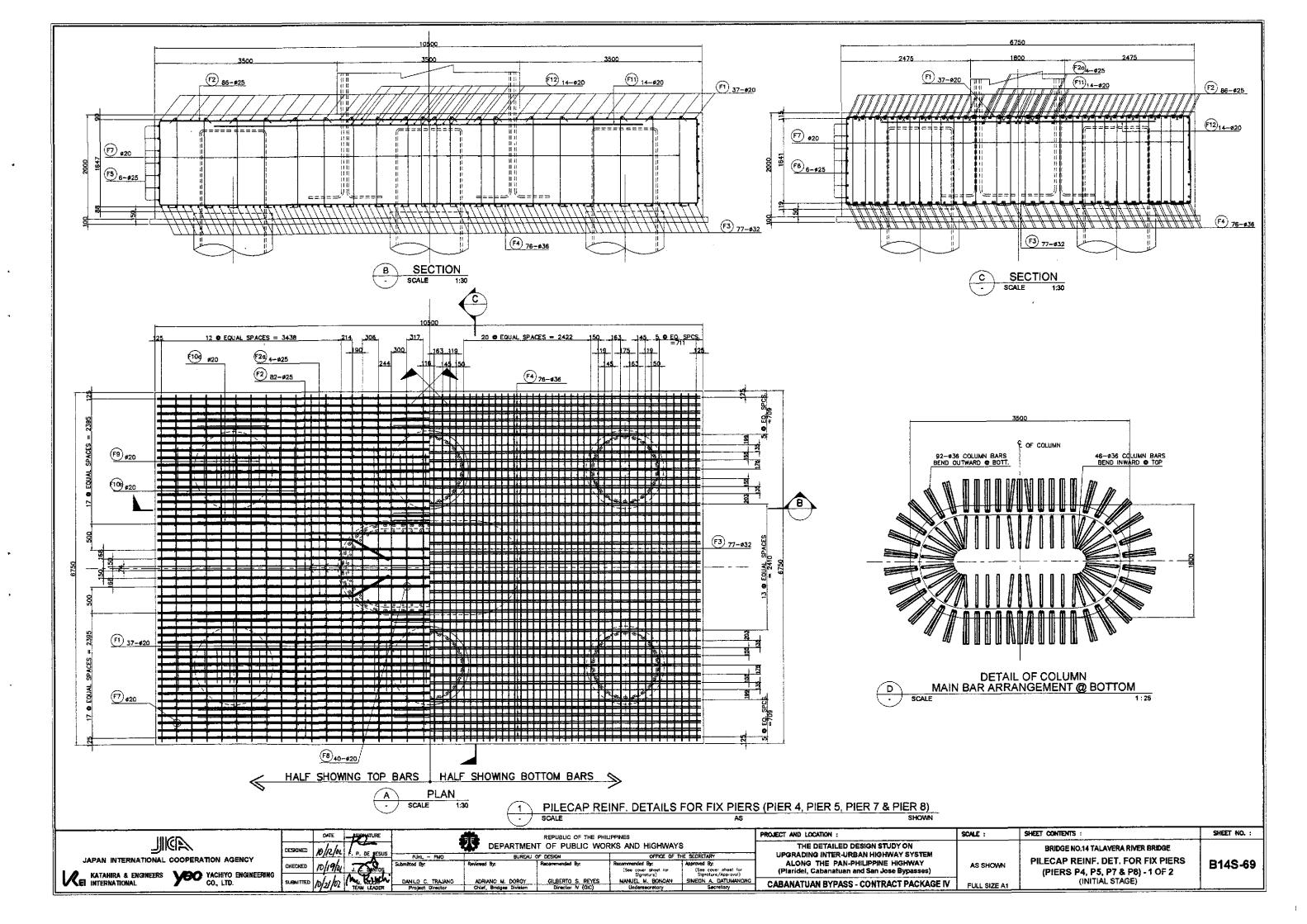
PROJECT AND LOCATION:	SCALE :
THE DETAILED DESIGN STUDY ON	
UPGRADING INTER-URBAN HIGHWAY SYSTEM	
ALONG THE PAN-PHILIPPINE HIGHWAY	AS SHOWN
(Ptaridel, Cabanatuan and San Jose Bypasses)	
CABANATUAN BYPASS - CONTRACT PACKAGE IV	CIII 3 017E M
CABARATOAR BIFASS - CONTRACT FACILITY	FULL SIZE A1

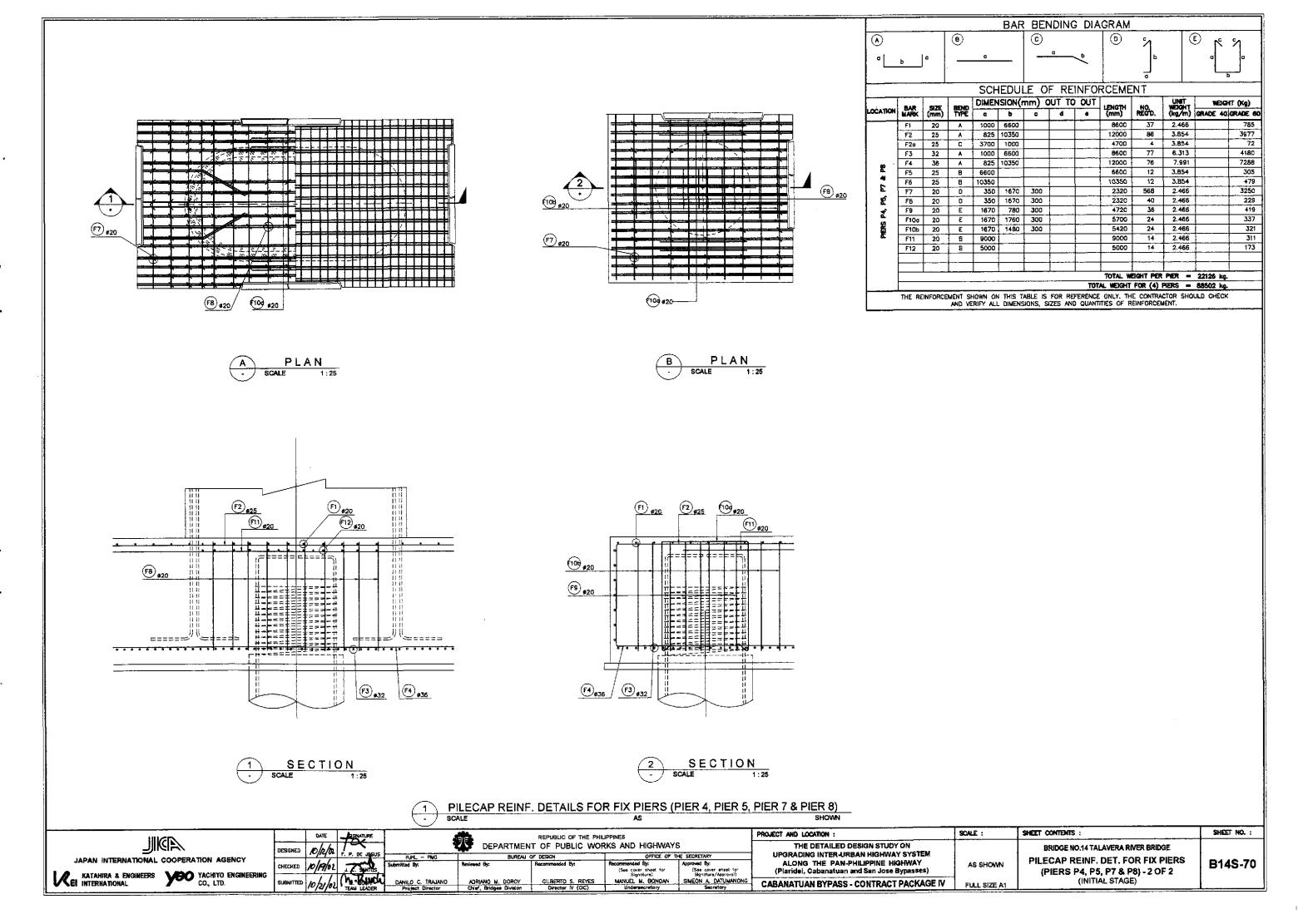
BRIDGE NO.14 TALAVERA RIVER BRIDGE PILECAP REINF. DETAILS FOR AS SHOWN FIX PIERS (PIERS P1 & P2) - 20F 2 (INITIAL STAGE)

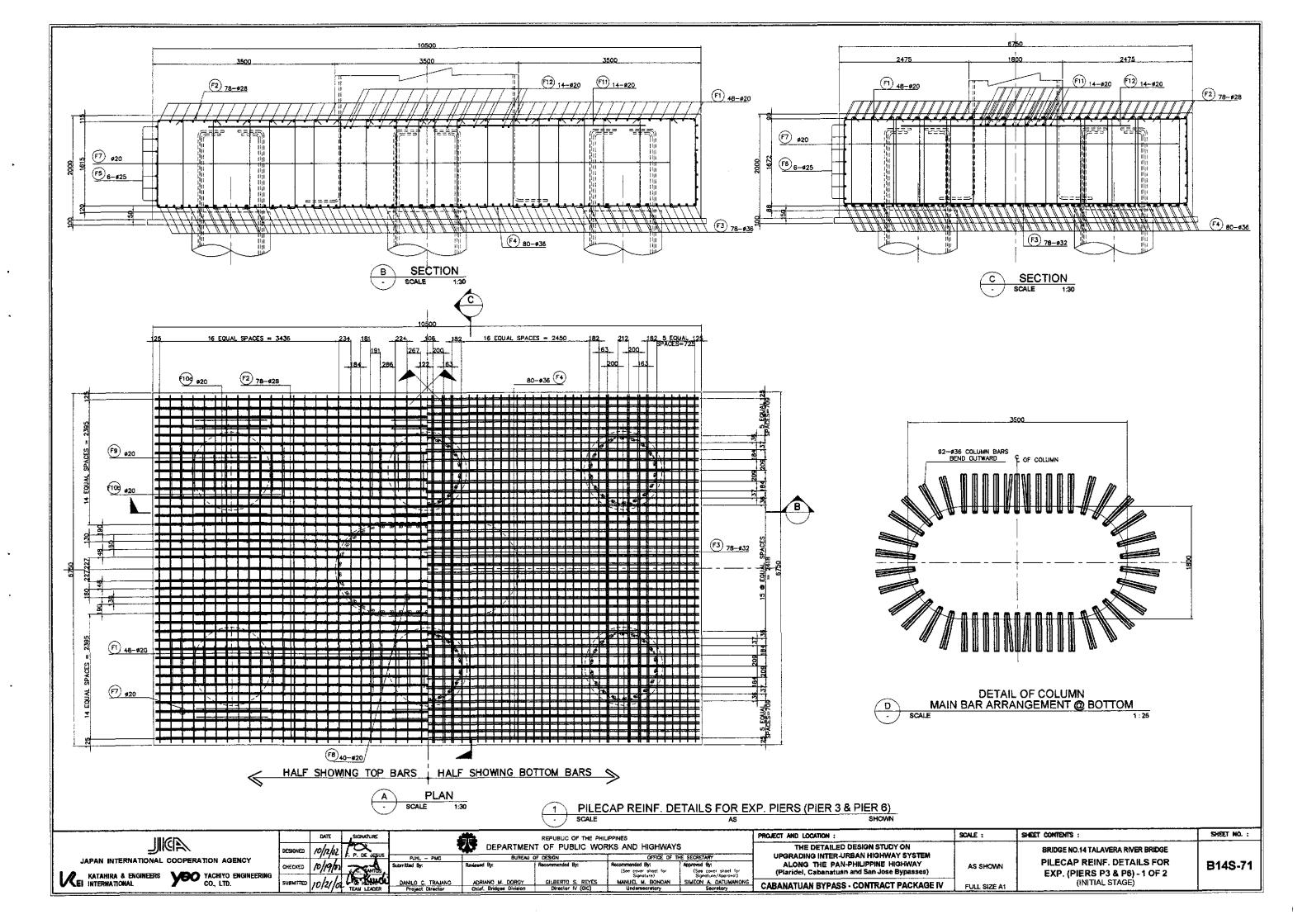
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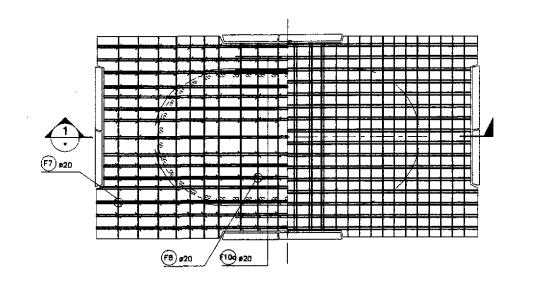
B14S-68

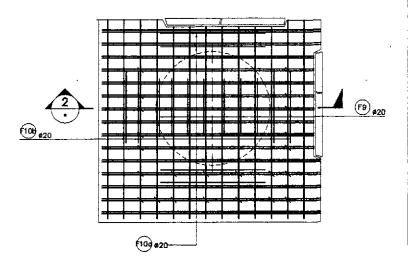
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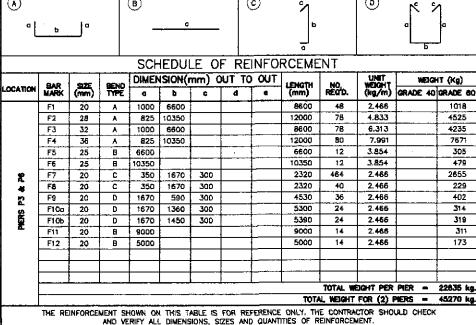












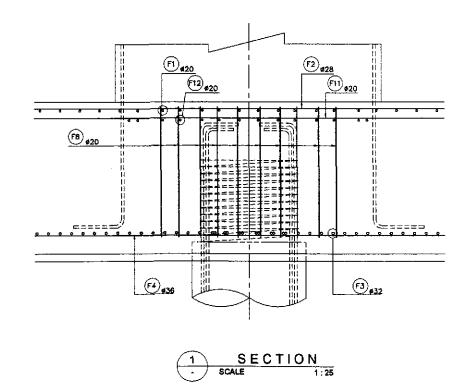
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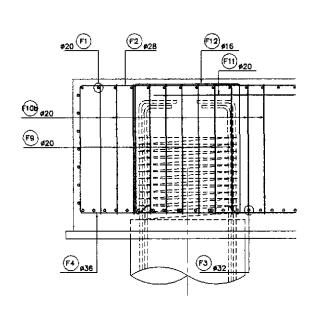
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PLAN

PLAN SCALE





SECTION SCALE

PILECAP REINF. DETAILS FOR EXP. PIERS (PIER 3 & PIER 6) SCALE

IIICD	1	DATE	SIGNATURE	l a		REPUBLIC OF THE PHIL	IPPINES		PROJECT AND LOCATION :	SCALE :	SHEET CONTENTS :	SHEET NO. :
	DESIGNED	10/12/01	72	1		NT OF PUBLIC WOR	RKS AND HIGHWAY	S	THE DETAILED DESIGN STUDY ON		BRIDGE NO.14 TALAVERA RIVER BRIDGE	
JAPAN INTERNATIONAL COOPERATION AGENCY	CHECKED	iolialai	T. F. DE DESUS	PJHL - PMC Submitted By:	Reviewed By:	OF DESIGN Recommended By:	Recommended By:	THE SECRETARY Approved By:	UPGRADING INTER-URBAN HIGHWAY SYSTEM ALONG THE PAN-PHILIPPINE HIGHWAY	AS SHOWN	PILECAP REINF. DETAILS FOR	B14S-72
KATAHIRA & ENGINEERS YOU YACHIYO ENGINEERING CO., LTD.	SLIENTITED	10/21/0	ME KLINEA	DANILO C. TRAJANO Project Director	ADRIANO M. DOROY Chief, Bridges Division	GILBERTO S. REYES	(See cover sheet for Signature) MANUEL M. BONCAN Undersecratury	(See cover sheet for Signature/Approvol) SIMEON A. DATUMANONG Secretory	(Plaridel, Cabanatuan and San Jose Bypasses) CABANATUAN BYPASS - CONTRACT PACKAGE IV	FULL SIZE A1	EXP. (PIERS P3 & P6) - 2 OF 2 (INITIAL STAGE)	

