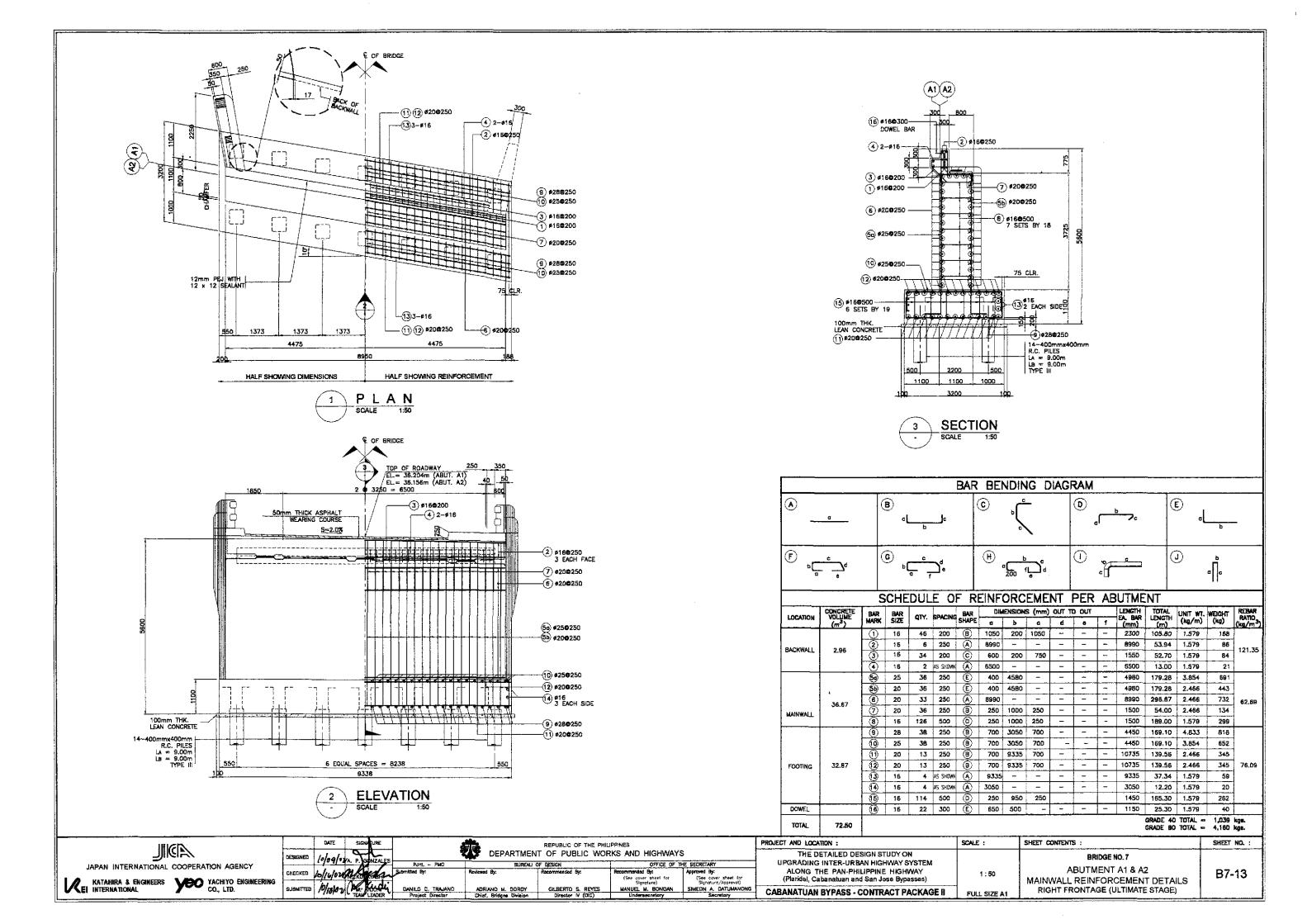


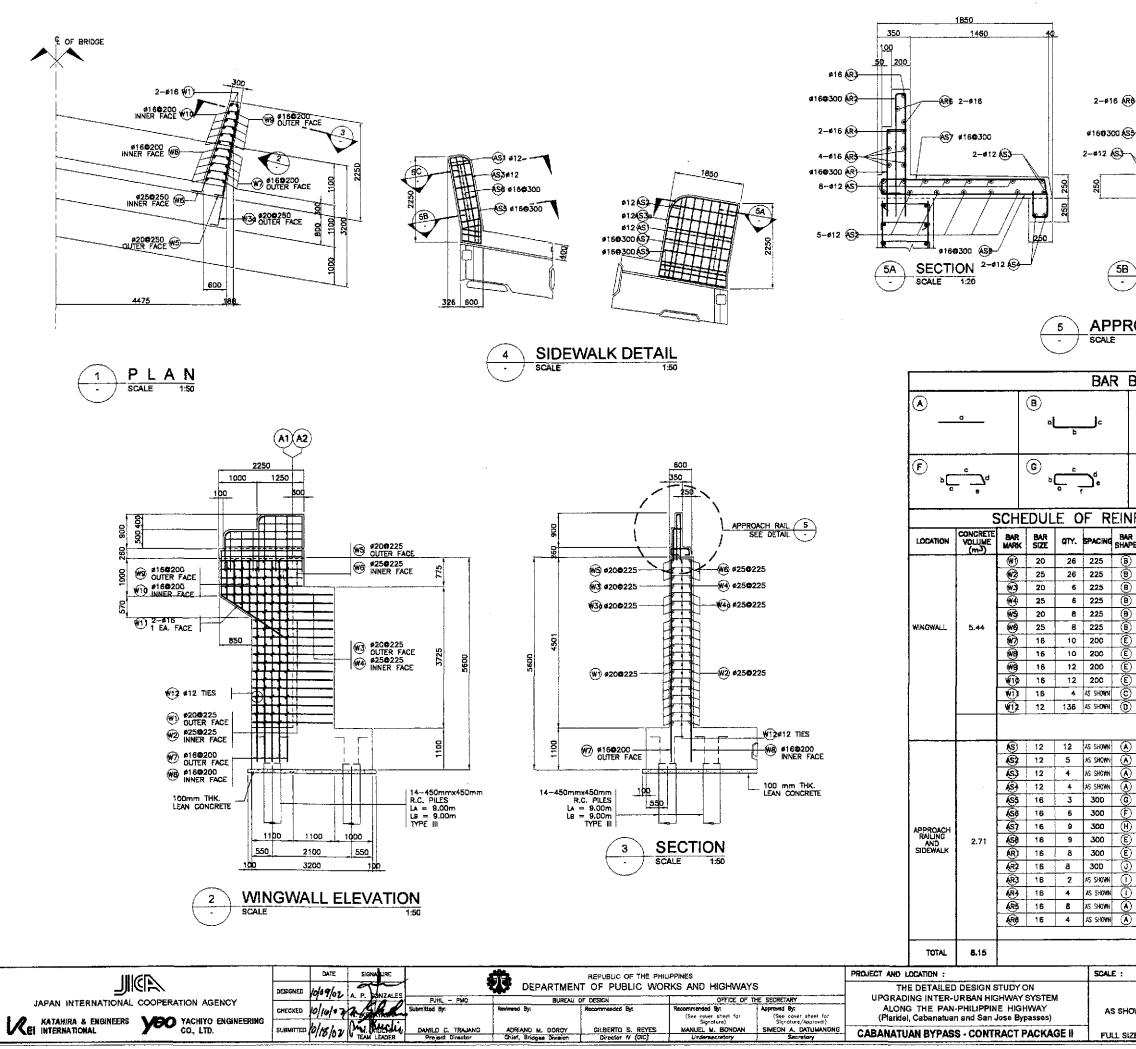
TIES OF SUPERSTRUCTURE								
RIPTION	TOTAL							
EL GRADE 40	icga.	9721						
	5197							
3. & POST	3610							
	914							
EL GRADE 60	kga.	19930						
	15448							
G, & POST	590							
	2892							
CRETE	cu. m.	199.01						
	149.08							
G, & POST	26.97							
	22.96							

ENDING DIA	GRAM		
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OF REINFO	RCEM	ENT	

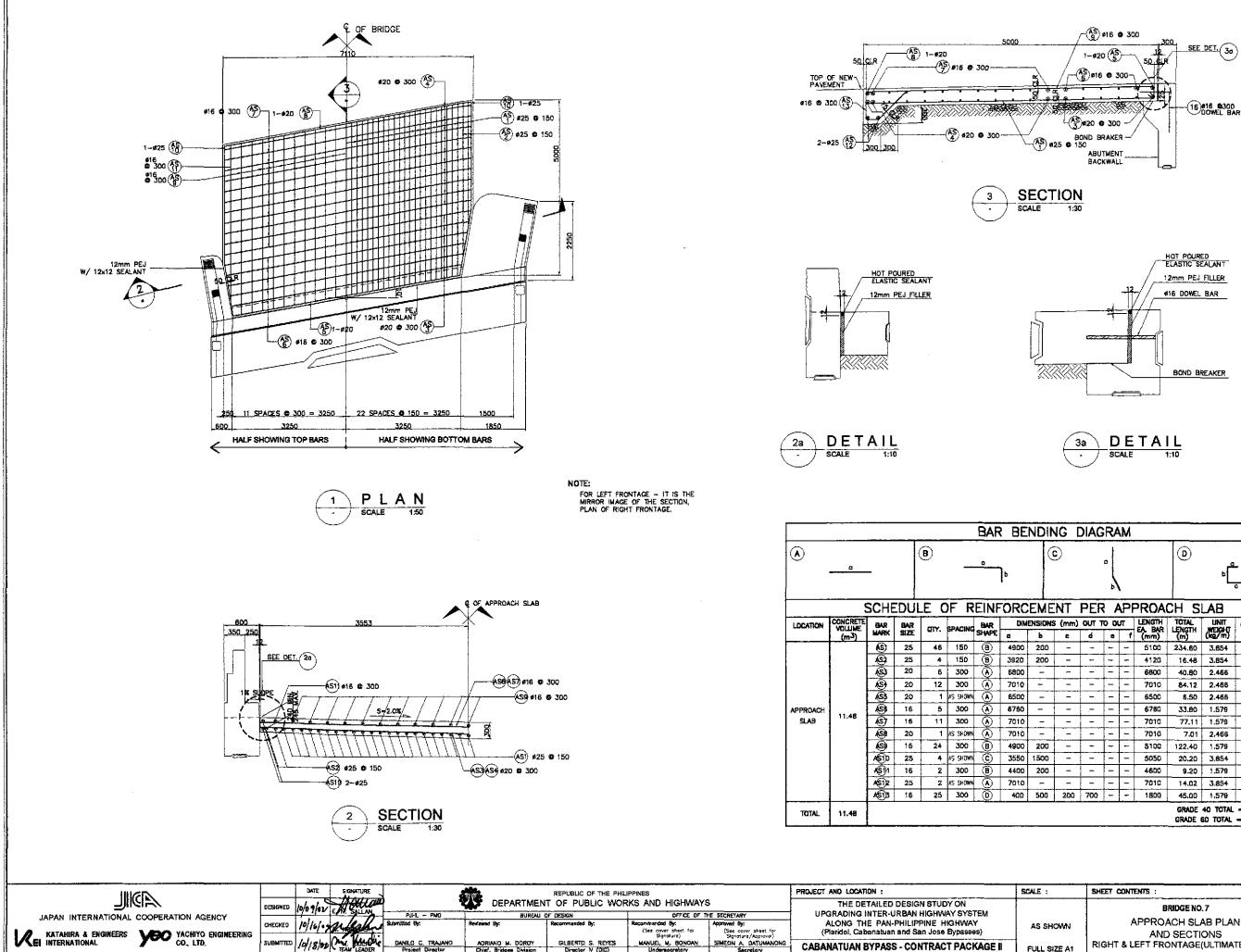
	DIMENS	ions (n	ım) ÖVT	TO OUT	LENGTH EACH BAR	TOTAL LENGTH	UNIT WT.	WEIGHT	REBAR
	۵	b	C	d	(mm)	(m)	(ieg/m)	IN (ing)	(kg/m ²)
	450	31900	450	-	32800	623.20	4.833	3012	
	B000	-	-	-	8000	288.00	4.833	1392	
	5800	-	-	-	5800	208.80	4.833	1010	-
	450	31900	450	-	32800	590.40	4.833	2854	
	450	8950	-	-	9400	338.40	4.833	1636	7
	5100	-	-	_	5100	183.60	4.833	888	
	9200	-	-	-	9200	165.60	4.833	801	
	4400	-	~	-	4400	79.20	4.833	383	139.03
	8850	-	-	-	8850	2283.30	1.579	3606	1
	5325		-		5325	149.10	1.579	236	
	8990	-	-	-	11275	225.50	1.579	357	
	450	31900	450	-	32800	262.40	7.991	2097	
	450	31900	450	-	32800	262.40	7.991	2097	
	1800	-	-	-	18000	72.00	3.854	278	1
Ī	500	22D	15D	_	1740	372.36	0.88B	331	
	150	415	70	_	1200	422.40	1.57₽	667	1

	SHEET CONTENTS :	SHEET NO. :
	BRIDGE NO. 7	
OWN	EDGE REINFORCEMENT FOR FLATSLAB ON COLUMN BENT BRIDGE	B7-12
ZE A1	RIGHT & LEFT FRONTAGE (ULTIMATE STAGE)	





	250			R) #166 R) #166 R) #-16 R) #-16 R) #-16 G) #-11	9300 116 115 9300 \$12	918 29 05 05 05 05 05 05 05 05 05 05 05 05 05	(S) 2				6 0 300 -¢16
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NF	OR	CEM	ENT	PÉF	<u> </u>	BL	JTME				
AR APE	D a	MENSION b	VS (mm c) OUT d		υπ If	LENGTH EAL BAR (mm)	TOTAL LENGTH (m)	UNIT W (kg/m)		REBAR RATIO (kg/m- ³)
B)	400	2100	150	_	-	-	2650	(m) 68.90	2.465	-	,
<u>)</u>	400	2100	150	-	-	-	2650	68.90	3.854		
<u>B)</u> B)	400	2700 2700	150 150		-	-	3250 3250	19.50 19.50	2.465 3.854		
	400	2150	150		-	-	2700	21.60	2.465		
	400	2150	150		-	-	2700	21.50	3.854		193.08
Ē	250	5250	-	_	_	-	5600	56.00	1.579	89	
<u>E</u>	250	5250	-		-		5600	56.00	1.579	~ ~ ~ ~ ~	
E) E)	250 250	1200	-			-	1500 1500	18.00 18.00	1.579		
5 0	250	1000	1700		+=	+	2950	11.80	1.579		ł
(d)	170	450	170				790	107.44	0.888		
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<u> </u>	0150	·					0455	GRADE			kçıs.
	2150 2150	-	۲ ۲		-		2150 2150	25.80 10.75	D.888		
	2150	-	-			-	2150	8.60	0.888		
\sim		-			-	-	2150	8.50	D.888		
<u>A)</u> <u>A)</u>	2150			000	170	200		4.26	1.579		
	200	170	480		¥					12	
A) G) F)	200 200	170	480	200	200	-	1250	7.50	1.579	··· ···	
A) G) F) H)	200 200 200	170 170		200 200	170	200	2670	24.03	1.579	38	01.00
A) G) F) H)	200 200 200 200	170 170 1770	480	200	†		2670 1970	24.03 17.73	1.579 1.579	38 28	91.62
A) G) F) H)	200 200 200	170 170	480	200 200	170		2670	24.03	1.579	38 28 14	91.82
	200 200 200 200 200	170 170 1770 900	480 1730 - -	200 200	170		2670 1970 1100	24.03 17.73 8.80	1.579 1.579 1.579	38 28 14 35	91.82
A) G) F) H)	200 200 200 200 200 1300	170 170 1770 900 120	480 1730 - - 1300	200 200	170 -		2670 1970 1100 2720	24.03 17.73 8.80 21.76	1.579 1.579 1.579 1.579	38 28 14 35 9	91.82
	200 200 200 200 200 1300 1300	170 170 1770 900 120 236	480 1730 - 1300 1300	200 200	170 -		2670 1970 1100 2720 2836	24.03 17.73 8.80 21.76 5.67	1.579 1.579 1.579 1.579 1.579	38 28 14 35 9 21	91.82
	200 200 200 200 200 1300 1300 2050	170 170 1770 900 120 236	480 1730 - 1300 1300	200 200	170 -		2670 1970 1100 2720 2836 3186 2050 1300	24.03 17.73 8.80 21.76 5.67 12.74 16.40 5.20	1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579	38 28 14 35 9 21 26 9	91.62
	200 200 200 200 1300 1300 2050 2050	170 170 1770 900 120 236	480 1730 - 1300 1300	200 200	170 - - -	200 - - - - -	2670 1970 1100 2720 2836 3186 2050 1300	24.03 17.73 8.80 21.76 5.67 12.74 16.40 5.20 RADE 40	1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579	38 28 14 35 9 21 26 9 248 kgs.	
	200 200 200 200 1300 1300 2050 2050	170 170 1770 900 120 236	480 1730 - 1300 1300	200 200	170 - - -	200 - - - - -	2670 1970 1100 2720 2836 3186 2050 1300	24.03 17.73 8.80 21.76 5.67 12.74 16.40 5.20 RADE 40 GRADE 6	1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 0.579 0.579	38 28 14 35 9 21 26 9 248 kgs. 699	gs.
	200 200 200 200 1300 1300 2050 2050	170 170 1770 900 120 236 236 	480 1730 - 1300 1300 900 - -	200 200 	170 - - -	200 - - - - -	2670 1970 1100 2720 2836 3186 2050 1300	24.03 17.73 8.80 21.76 5.67 12.74 16.40 5.20 RADE 40	1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 0.579 0.579	38 28 14 35 9 21 26 9 248 kgs. = 699 j = 599 j	igs. 134-
	200 200 200 200 1300 1300 2050 2050	170 170 1770 900 120 236 236 	480 1730 - 1300 1300	200 200 - - - - - - - - - -	170 - - -	200	2670 1970 1100 2720 2836 3186 2050 1300 G	24.03 17.73 8.80 21.76 5.67 12.74 16.40 5.20 RADE 40 GRADE 6	1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 0.579 0.579	38 28 14 35 9 21 26 9 248 kgs. 699	igs. 134-
	200 200 200 200 1300 1300 2050 2050	170 170 1770 900 120 236 236 	480 1730 - 1300 1300 900 - - -	200 200 - - - - - - - - - - - - - - -	170 BRIDG	200 	2670 1970 1100 2720 2836 3186 2050 1300 G	24.03 17.73 8.80 21.76 5.67 12.74 16.40 5.20 RADE 40 GRADE 4 GRADE 4	1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 0.579 0.579	38 28 14 35 9 21 26 9 248 kgs. = 699 j = 599 j	igs. 134-
	200 200 200 200 1300 2050 2050 2050 1300	170 170 1770 900 120 236 236 ~ - - - SHEET	480 1730 - 1300 1300 900 - - - CONTE GWAL	200 200 - - - - - - - - - - - - - - - -	170 - - - - - - - - - - - - - - - - - - -	200 	2670 1970 1100 2720 2836 3186 2050 1300 60 300 60 300 60 300 300 60 300 300	24.03 17.73 8.80 21.76 5.67 12.74 16.40 5.20 RADE 40 GRADE 6 GRADE 4	1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579 1.579	38 28 14 35 9 21 26 9 248 kgs. = 699 j = 599 j	vgs. vgs.



ADRIAND M. DORDY

DANILO G. TRAJANG

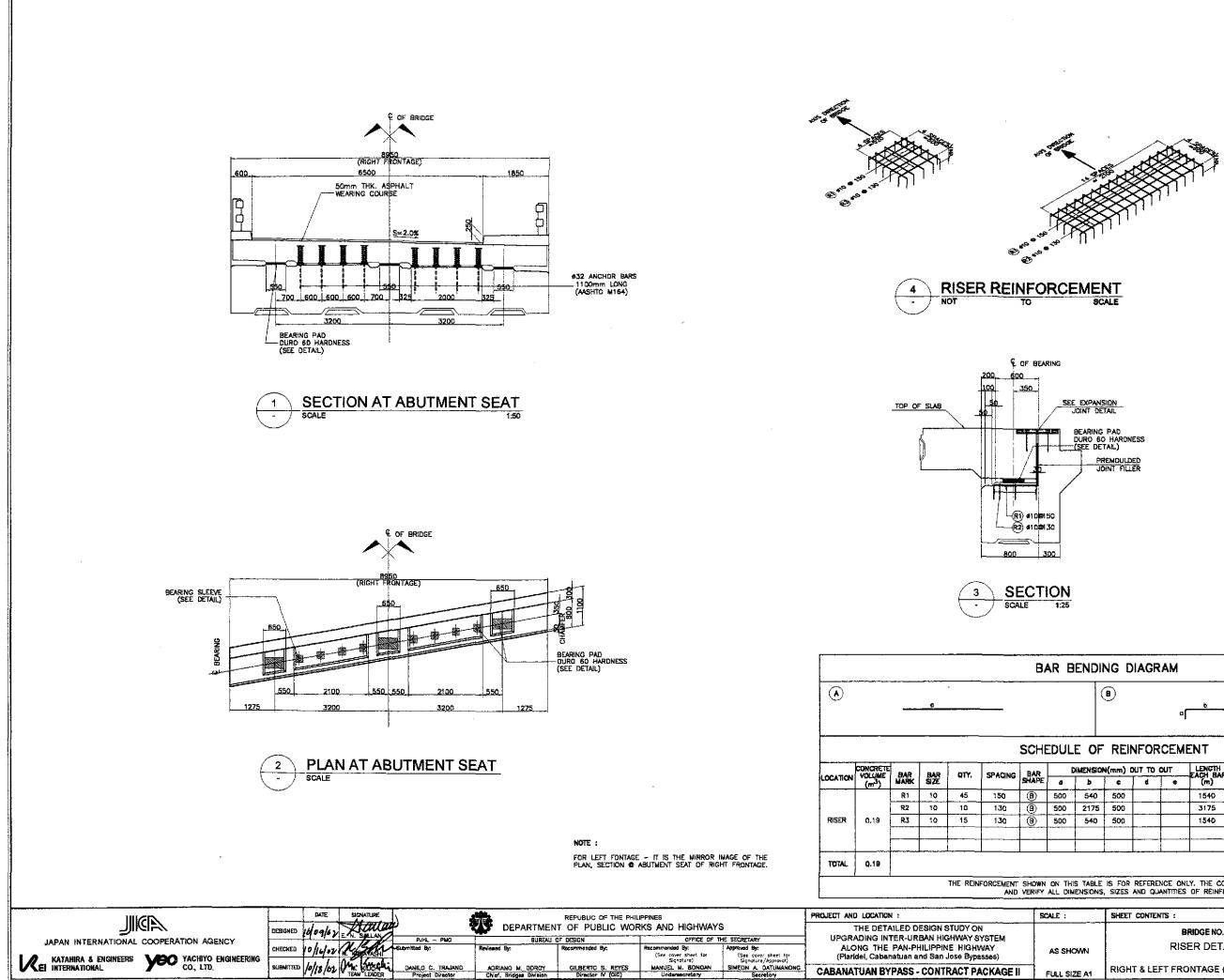
GLEERTO S. REYES Director N (OIG)

MANUEL M. BONOAN Undernecretary

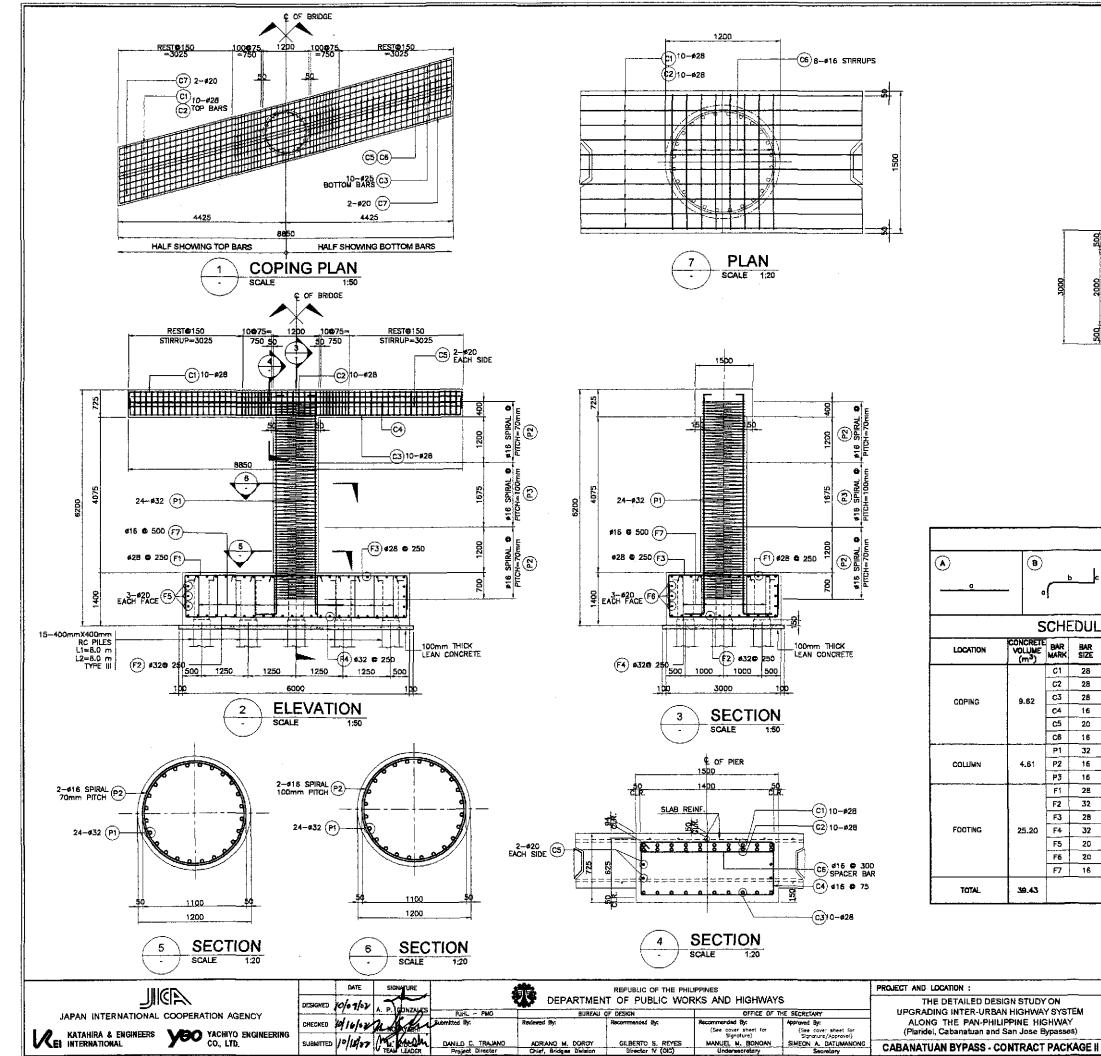
CABANATUAN BYPASS - CONTRACT PACKAGE II

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	9		•			D	٩	d	
-	NT	PER	2 4	P	PROA	CH S	LAB		
IS	; (mm) c	OUT T d	0 04	л f	LENGTH EA BAR (mm)	TOTAL LENGTH (m)	UNIT WEIGHT (kg/m)	WEIGHT (kg)	REBAR RATIO (kg/cu.m)
	-	-	-		5100	234.60	3.854	905	
	**			-	4120	16.48	3.854	64	1
	-	-	-	_	6800	40.60	2.465	101	
	-	-	-	-	7010	84.12	2.466	208	
	_	-	-	-	6500	6.50	2.466	17	
	-		-	-	6780	33.80	1.579	54	165.79
	-	-	-	-	7010	77.11	1.579	122	105.79
	_	-	-	-	7010	7.01	2.466	18	
	-	-	-	•~-	\$100	122.40	1.579	194	
	-	- 1	-	-	5050	20.20	3.854	78	}
	-	-	-	-	4600	9.20	1,579	15]
]	-	_	-	-	7010	14.02	3.854	55] .
	200	700	*	-	1800	45.00	1.579	72	
							40 TOTAL 60 TOTAL		

SCALE :	SHEET CONTENTS :	SHEET NO. :
	BRIDGE NO. 7	
AS SHOWN	APPROACH SLAB PLAN	B7-15
	AND SECTIONS	07-10
FULL SIZE A1	RIGHT & LEFT FRONTAGE(ULTIMATE STAGE)	



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3	END	ing d	AGR	AM					
		(8)							
		Ŭ		٩	<u>b</u>	c			
_	E O	= REII	NFOR	CEME	ENT				
Ē	HMENSI b	N(mm) (or tuc b	OUT e	LENGTH EACH BAR (m)	TOTAL LENGTH (m)	UNIT WEIGHT (kg/m)	WEIGH (kg)	rebar RATIO (kg/m ³)
	540	500			1540	69.30	0.616	43	
	2175	500			3175	31.75	0.616	20	
	540	500			1540	23.10	0.616	15	410.53
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	<u> </u>		L	<u> </u>	ļ,		L I		
						GRADE	40 TOTAL	= 78	lega.
					Y. THE CO OF REINFO		SHOULD C	HECK	
		SHEET	CONTEN	ms:				<u> </u>	SHEET NO. :
		1		Bi	RIDGE NO.	7			
ю	MMN			RIS	ER DET/	AILS			B7-16
12	ZE A1	RIGH	T & LEI	FT FRO	NTAGE (E STAGE)	+	
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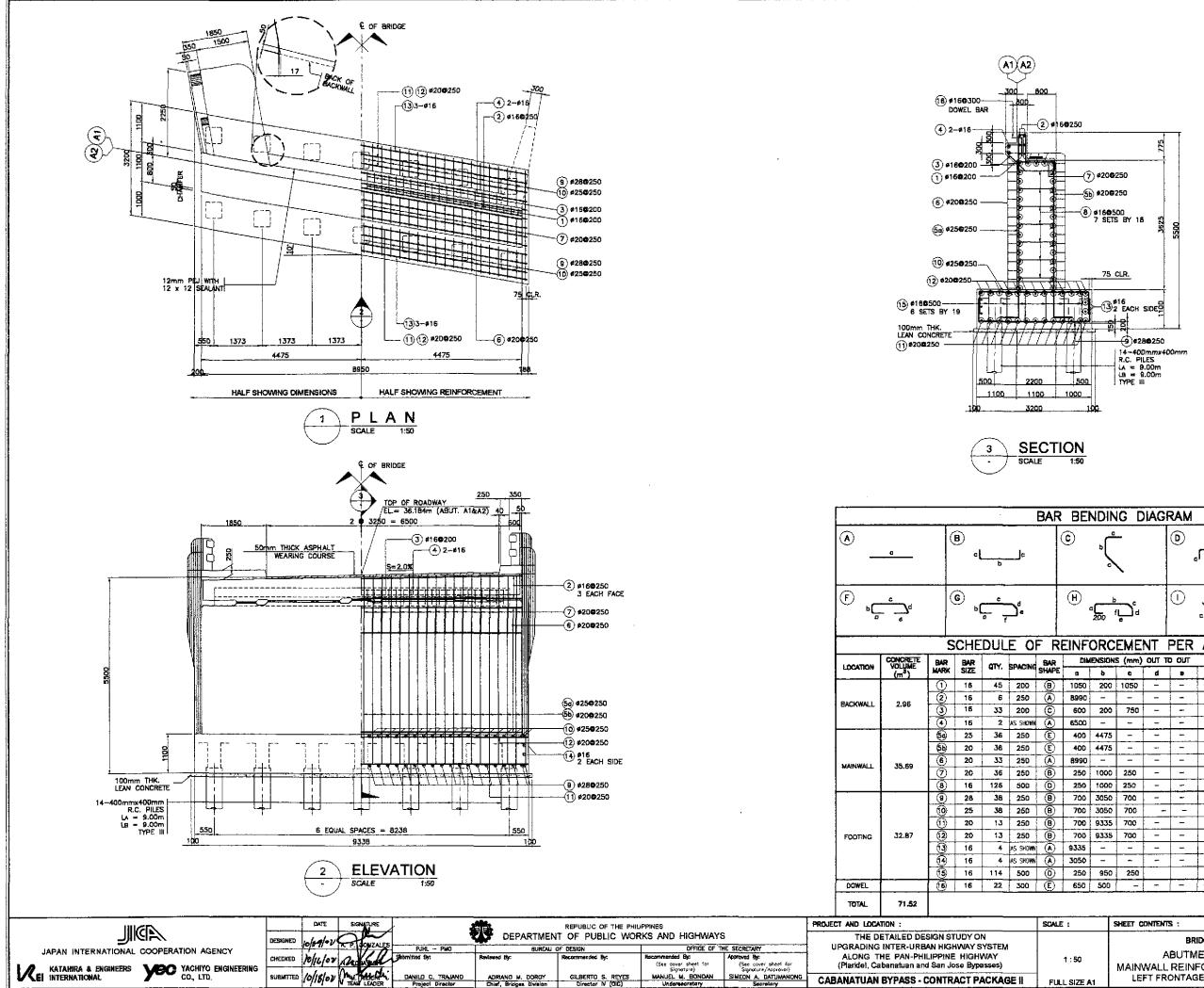


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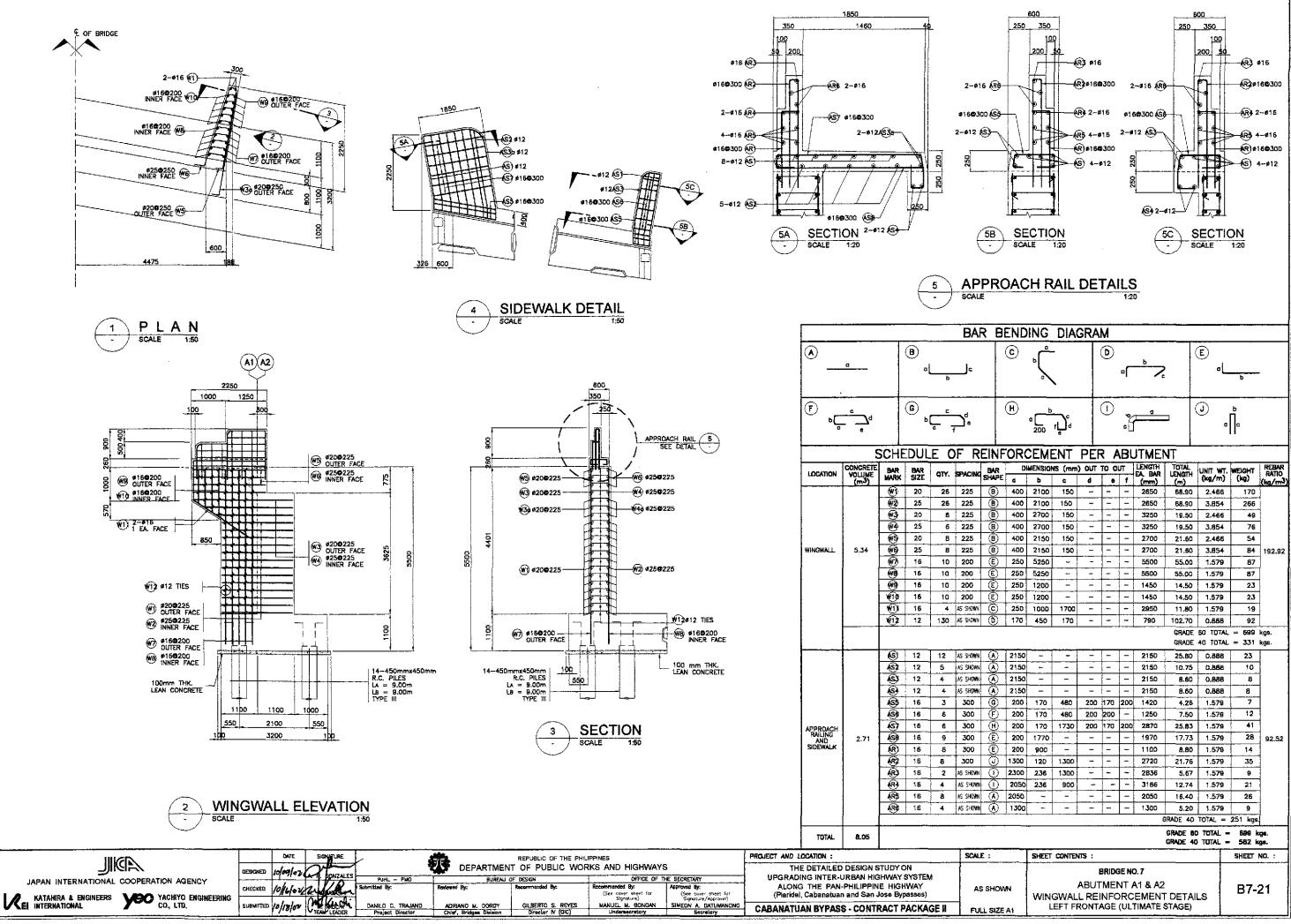
BAR ٢ ٩L SCHEDULE OF F BAR SIZE QTY. SPACIN 28 10 AS SHO C2 28 10 AS SHOW C3 28 10 AS SHOW 16 73 AS SHOW 20 4 AS SHOW C6 16 31 75 32 24 AS SHO 16 104 70 16 36 100 F1 28 12 250 F2 32 12 250 F3 28 24 250 32 24 250 20 6 AS SHOT F6 20 6 AS SHOW F7 16 40 500

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QTY.	SPACING	BAR	DIMENSI	DNS (mr	π) Ο Π	та олт	ONE LENGTH EACH BAR	TOTAL	UNIT WT.	TOTAL WEIGHT	REBAR
_	SPACING	BAR SHAPE	DIMENSI Q	DNS (mr b	π) ΟυΓ ¤		LENGTH EACH BAR (mm)	TOTAL LENGTH (m)	UNIT WT. (kg/m)	WEIGHT	
QTY. 10	T	BAR	DIMENSI	DNS (mr	π) Ο Π	та олт	LENGTH EACH BAR	TOTAL LENGTH	UNIT WT.	WEIGHT	RATIO
_	SPACING	BAR SHAPE	DIMENSI Q	DNS (mr b	π) ΟυΓ ¤	tu out d	LENGTH EACH BAR (mm)	TOTAL LENGTH (m)	UNIT WT. (kg/m)	WEIGHT	RATIO
10	SPACING As shown	BAR SHAPE	DIMENSI a 500	DNS (mr b 8890	m) OUT c 500	to out d	LENGTH EACH BAR (mm) 9890	TOTAL LENGTH (m) 98.90	UNIT WT. (kg/m) 4.833	WEIGHT (kg) 478	RATIO (kg/m ³)
10 10 10	SPACING As shown As shown	BAR SHAPE © ()	0 0 500 8890	DNS (mi b 8890	r) OUT r 500	to out d	LENGTH EACH BAR (mm) 9890 8890	TOTAL LENGTH (m) 98.90 88.90	UNIT WT. (kg/m) 4.833 4.833 4.833	WEIGHT (kg) 478 430 478	RATIO
10 10 10 73	SPACING AS SHOWN AS SHOWN AS SHOWN AS SHOWN	BAR SHAPE © © ©	0MENSI 0 500 8890 500 581	DNS (mr b 8890 ~ 8890	r) OUT 500 500	to out d 	LENGTH EACH BAR (mm) 9890 8890 9890 4262	TOTAL LENGTH (m) 98.90 89.90 98.90 311.13	UNIT WT. (kg/m) 4.833 4.833 4.833 1.579	WEIGHT (kg) 478 430 478 492	RATIO (kg/m ³)
10 10 10 73 4	SPACING AS SHOWN AS SHOWN AS SHOWN AS SHOWN	BAR SHAPE © © © ©	01MENSI c 500 8890 500 581 8890	DNS (mr 8890 8890 1400 	π) Ουπ 500 500 150 	to out d 	LENGTH EACH BAR (mm) 9890 8890 9890 4262 8890	TOTAL LENGTH (m) 98.90 98.90 98.90 311.13 35.56	UNIT WT. (kg/m) 4.833 4.833 4.833 1.579 2.466	WEIGHT (kg) 478 430 478 492 88	RATIO (kg/m ³)
10 10 10 73 4 31	SPACING AS SHOWN AS SHOWN AS SHOWN AS SHOWN 75	BAR SHAPE (C) (A) (C) (A) (C)	0MENSI c 500 8890 500 581 8890 150	b 8890 8890 1400 1400	r) OUT 500 500 150 150	TO OUT el 	LENGTH EACH BAR (mm) 9890 8890 9890 4262 8890 1700	TOTAL LENGTH (m) 98.90 88.90 98.90 311.13 35.56 52.70	UNIT WT. (kg/m) 4.833 4.833 1.579 2.466 1.579	WEIGHT (kg) 478 430 478 492 88 88 84	RATIO (kg/m ³)
10 10 10 73 4 31 24	SPACING AS SHOWN AS SHOWN AS SHOWN AS SHOWN 75 AS SHOWN	BAR SHAPE (C) (A) (C) (D) (A) (C) (B) (B)	DIMENSI c 500 8890 500 581 8890 150 500	b 8890 - 8890 1400 - 1400 5500	π) Ουτ 500 500 150 	to out d 	LENGTH EACH BAR (mm) 9890 8890 9890 4262 8890	TOTAL LENGTH (m) 98.90 98.90 311.13 35.56 52.70 158.40	UNIT WT. (kg/m) 4.833 4.833 4.833 1.579 2.466 1.579 6.313	WEIGHT (kg) 476 430 478 492 88 88 84 1000	RATIO (kg/m3) 213.10
10 10 10 73 4 31	SPACING AS SHOWN AS SHOWN AS SHOWN AS SHOWN 75	BAR SHAPE (C) (A) (C) (A) (C)	0MENSI c 500 8890 500 581 8890 150	b 8890 8890 1400 1400	r) OUT 500 500 150 150	TO OUT el 	LENGTH EACH BAR (mm) 9890 8890 9890 4262 8890 1700	TOTAL LENGTH (m) 98.90 88.90 98.90 311.13 35.56 52.70	UNIT WT. (kg/m) 4.833 4.833 1.579 2.466 1.579	WEIGHT (kg) 478 430 478 492 88 88 84	RATIO (kg/m ³)
10 10 10 73 4 31 24	SPACING AS SHOWN AS SHOWN AS SHOWN AS SHOWN 75 AS SHOWN	BAR SHAPE (C) (A) (C) (D) (A) (C) (B) (B)	DIMENSI c 500 8890 500 581 8890 150 500	b 8890 - 8890 1400 - 1400 5500	r) OUT c 500 500 150 150 500	TO OUT el 	LENGTH EACH BAR (mm) 9890 8890 9890 4262 8890 1700 6600	TOTAL LENGTH (m) 98.90 98.90 311.13 35.56 52.70 158.40	UNIT WT. (kg/m) 4.833 4.833 4.833 1.579 2.466 1.579 6.313	WEIGHT (kg) 476 430 478 492 88 88 84 1000	RATIO (kg/m3) 213.10
10 10 10 73 4 31 24 104	SPACING AS SHOWN AS SHOWN AS SHOWN AS SHOWN 75 AS SHOWN 75	BAR SHAPE © © © © © © © 0 0 0 0 0 0 0 0 0 0 0 0	DIMENSI c 500 8890 500 581 8890 150 500 1100	DNS (mm b 8890 - 8890 1400 - 1400 5600 70	r) OUT c 500 500 150 150 500	TO OUT el 	LENGTH EACH BAR (mm) 9890 8890 9890 4262 8890 1700 6600 3456	TOTAL LENGTH (m) 98.90 98.90 311.13 35.56 52.70 158.40 359.40	UNIT WT. (kg/m) 4.833 4.833 1.579 2.466 1.579 6.313 1.579	WEIGHT (kg) 476 430 476 492 88 88 88 84 1000 568	RATIO (kg/m3) 213.10
10 10 10 73 4 31 24 104 36 12	SPACING AS SHOWN 75 AS AS SHOWN 70 100 250 250		DMENSI G 500 8890 581 8890 150 500 150 500 1100 1100 575	DHS (mr b 8890 - 1400 - 1400 5500 70 100	π) ΟυΓ ε 500 	TO OUT d 	LENGTH EACH BAR (mm) 9890 8890 9890 4262 8890 1700 6600 3456 3456 7000	Total LENGTH (m) 98.90 98.90 98.90 311.13 35.56 52.70 158.40 359.40 124.41 84.00	UNIT WT. (kg/m) 4.833 4.833 4.833 1.579 2.466 1.579 6.313 1.579 1.579 4.833	WEIGHT (kg) 470 430 478 492 88 84 1000 568 197 406	RATIO (kg/m3) 213.10
10 10 10 73 4 31 24 104 36 12 12	SPACING AS SHOWN 75 AS 100 250 250 250		DIMENSI G 500 8890 500 581 8890 150 500 1100 1100 575 575	DNS (mr b 8890 - 8890 1400 - 1400 5600 70 100 5850 5850	m) OLT c 500 500 150 - 150 - 5000 - - - 5000 - - - 5000 - - - 5000 - - - 575 575	TO OUT d 	LENGTH EACH BAR (mm) 9890 8890 9890 4262 8890 1700 6600 3456 3456 7000 7000	TOTAL LENGTH (m) 98.90 98.90 311.13 35.56 52.70 158.40 359.40 124.41 84.00 84.00	UNIT WT. (kg/m) 4.833 4.833 4.833 1.579 2.466 1.579 6.313 1.579 1.579 4.833 6.313	WEIGHT (kg) 478 430 478 430 478 88 84 1000 568 197 406 531	RATIO (kg/m3) 213.10
10 10 73 4 31 24 104 36 12 12 12 24	SPACING AS SHOWA 75 AS 100 250 250 250		DIMENSI G S00 B890 500 581 8890 150 500 1100 1100 575 575	DNS (mr b 8890 - 8890 1400 - 1400 5600 70 100 5850 5850 2850	m) OUT c 500 500 150 - 150 - 500 - - 500 500 575 575 575	TUO OT d 	LENGTH EACH BAR (mm) 9890 8890 9890 4262 8890 1700 6600 3456 3456 7000 7000 4000	TOTAL LENGTH (m) 98.90 98.90 311.13 35.56 52.70 158.40 359.40 124.41 84.00 84.00 96.00	UNIT WT. (kg/m) 4.833 4.833 4.833 1.579 2.466 1.579 6.313 1.579 1.579 4.833 6.313 4.833	WEIGHT (kg) 478 430 478 430 478 88 84 1000 568 197 406 531 464	RATIO (kg/m ³) 213.10 382.97
10 10 73 4 31 24 104 36 12 12 12 24 24 24	SPACING AS SHOWR 75 AS AS SHOWR 70 100 250 250 250 250		DIMENSI a 500 8890 500 581 8890 150 500 150 500 1100 1100 575 575 575 575	DNS (mr b 8890 - 8890 1400 - 1400 5600 70 100 5850 2850 2850 2850	 n) OUT c 500 500 150 150 500 575 575 575 		LENGTH EACH BAR (mm) 9890 8890 9890 4262 8890 1700 6600 3456 3456 7000 7000 4000 4000	TOTAL LENGTH (m) 98.90 98.90 98.90 311.13 35.56 52.70 158.40 359.40 124.41 84.00 84.00 96.00 96.00	UNIT WT. (kg/m) 4.833 4.833 4.833 1.579 2.466 1.579 6.313 1.579 1.579 4.833 6.313 4.833 6.313	WEIGHT (kg) 478 430 478 492 88 84 1000 568 197 406 531 464 607	RATIO (kg/m3) 213.10
10 10 73 4 31 24 104 36 12 12 12 24 24 6	SPACING AS SHOWR 75 AS AS SHOWR 70 100 250 250 250 250 250 250		DIMENSI a 500 8890 500 581 8890 150 500 150 500 1100 1100 575 575 575 575 2850	DNS (mr b 8890 - 8890 1400 - 1400 5600 70 100 5850 5850 2850	m) OUT c 500 500 150 - 150 - 500 - - 500 500 575 575 575	TUO OT d 	LENGTH EACH BAR (mm) 9890 8890 9890 4262 8890 1700 6600 3456 3456 7000 7000 4000 4000 2850	TOTAL LENGTH (m) 98.90 98.90 98.90 311.13 35.56 52.70 158.40 359.40 124.41 84.00 84.00 96.00 96.00 17.10	UNIT WT. (kg/m) 4.833 4.833 4.833 1.579 2.466 1.579 6.313 1.579 1.579 4.833 6.313 4.833 6.313 2.466	WEIGHT (kg) 478 430 478 492 88 84 1000 568 197 406 531 464 607 43	RATIO (kg/m ³) 213.10 382.97
10 10 73 4 31 24 104 36 12 12 12 24 24 24 6 6	SPACING AS SHOWR 75 AS AS SHOWR 70 100 250 250 250 250 AS SHOWR AS SHOWR		DHEDISI a 500 8890 500 581 8890 150 500 1100 1100 1100 575 575 575 2850 5850	DNS (m) 8890 	n) OUT c 500 - 500 150 - 150 - 500 - - - 575 575 575 575 575 - - -	TC OUT d 	LENGTH EACH BAR (mm) 9890 8890 9890 4262 8890 1700 6600 3456 3456 7000 7000 4000 4000 2850 5850	TOTAL LENGTH (m) 98.90 98.90 98.90 311.13 35.56 52.70 158.40 359.40 124.41 84.00 84.00 96.00 96.00 96.00 17.10 35.10	UNIT WT. (kg/m) 4.833 4.833 4.833 1.579 2.466 1.579 6.313 1.579 1.579 4.833 6.313 4.833 6.313 2.466 2.466	WEIGHT (kg) 478 430 478 492 88 84 1000 568 197 406 531 406 531 464 607 43 87	RATIO (kg/m ³) 213.10 382.97
10 10 73 4 31 24 104 36 12 12 12 24 24 6	SPACING AS SHOWR 75 AS AS SHOWR 70 100 250 250 250 250 250 250		DIMENSI a 500 8890 500 581 8890 150 500 150 500 1100 1100 575 575 575 575 2850	DNS (mr b 8890 - 8890 1400 - 1400 5600 70 100 5850 2850 2850 2850	 n) OUT c 500 500 150 150 500 575 575 575 		LENGTH EACH BAR (mm) 9890 8890 9890 4262 8890 1700 6600 3456 3456 7000 7000 4000 4000 2850	TOTAL LENGTH (m) 98.90 98.90 98.90 311.13 35.56 52.70 158.40 359.40 124.41 84.00 84.00 96.00 96.00 17.10	UNIT WT. (kg/m) 4.833 4.833 4.833 1.579 2.466 1.579 6.313 1.579 1.579 4.833 6.313 4.833 6.313 2.466	WEIGHT (kg) 478 430 478 492 88 84 1000 568 197 406 531 464 607 43	RATIO (kg/m ³) 213.10 382.97
10 10 73 4 31 24 104 36 12 12 12 24 24 24 6 6	SPACING AS SHOWR 75 AS AS SHOWR 70 100 250 250 250 250 AS SHOWR AS SHOWR		DHEDISI a 500 8890 500 581 8890 150 500 1100 1100 1100 575 575 575 2850 5850	DNS (m) 8890 	n) OUT c 500 - 500 150 - 150 - 500 - - - 575 575 575 575 575 - - -	TC OUT d 	LENGTH EACH BAR (mm) 9890 8890 9890 4262 8890 1700 6600 3456 3456 7000 7000 4000 4000 2850 5850 2950	TOTAL LENGTH (m) 98.90 98.90 98.90 311.13 35.56 52.70 158.40 359.40 124.41 84.00 84.00 96.00 96.00 96.00 17.10 35.10	UNIT WT. (kg/m) 4.833 4.833 4.833 1.579 2.466 1.579 6.313 1.579 1.579 4.833 6.313 4.833 6.313 2.466 2.466 1.579	WEIGHT (kg) 478 430 478 492 88 84 1000 568 197 406 531 406 531 464 607 43 87	RATIO (kg/m ³) 213.10 382.97 92.26
10 10 73 4 31 24 104 36 12 12 12 24 24 6 6	SPACING AS SHOWR 75 AS AS SHOWR 70 100 250 250 250 250 AS SHOWR AS SHOWR		DHEDISI a 500 8890 500 581 8890 150 500 1100 1100 1100 575 575 575 2850 5850	DNS (m) 8890 	n) OUT c 500 - 500 150 - 150 - 500 - - - 575 575 575 575 575 - - -	TC OUT d 	LENGTH EACH BAR (mm) 9890 9890 9890 9890 4262 8890 1700 6600 3456 3456 7000 7000 4000 4000 2850 2850 2850	TOTAL LENGTH (m) 98.90 98.90 98.90 311.13 35.56 52.70 158.40 359.40 124.41 84.00 84.00 96.00 96.00 17.10 35.10 118.00	UNIT WT. (kg/m) 4.833 4.833 1.579 2.466 1.579 6.313 1.579 1.579 4.833 6.313 4.833 6.313 4.833 6.313 2.466 2.466 1.579	WEIGHT (kg) 478 430 478 492 88 84 1000 568 197 406 531 466 531 464 607 43 87 187	RATIO (kg/m ³) 213.10 382.97 92.26
10 10 73 4 31 24 104 36 12 12 12 24 24 6 6	SPACING AS SHOWR 75 AS AS SHOWR 70 100 250 250 250 250 AS SHOWR AS SHOWR		DHEDISI a 500 8890 500 581 8890 150 500 1100 1100 1100 575 575 575 2850 5850	DNS (m) 8890 	n) OUT c 500 - 500 150 - 150 - 500 - - - 575 575 575 575 575 - - -	TC OUT d 	LENGTH EACH BAR (mm) 9890 9890 9890 9890 4262 8890 1700 6600 3456 3456 7000 7000 4000 4000 2850 2850 2850	TOTAL LENGTH (m) 98.90 98.90 98.90 311.13 35.56 52.70 158.40 359.40 124.41 84.00 84.00 96.00 96.00 17.10 35.10 118.00 XADE 40	UNIT WT. (kg/m) 4.833 4.833 1.579 2.466 1.579 6.313 1.579 1.579 4.833 6.313 4.833 6.313 4.833 6.313 2.466 2.466 1.579	WEIGHT (kg) 478 430 430 478 492 88 84 1000 568 197 406 531 406 531 406 531 464 607 43 87 187	RATIO (kg/m ³) 213.10 382.97 92.26
10 10 73 4 31 24 104 36 12 12 12 24 24 6 6	SPACING AS SHOWR 75 AS AS SHOWR 70 100 250 250 250 250 AS SHOWR AS SHOWR		DHEDISI a 500 8890 500 581 8890 150 500 1100 1100 1100 575 575 575 2850 5850	DNS (m) 8890 	n) OUT c 500 - 500 150 - 150 - 500 - - - 575 575 575 575 575 - - -	TC OUT d 	LENGTH EACH BAR (mm) 9890 9890 9890 9890 4262 8890 1700 6600 3456 3456 7000 7000 4000 4000 2850 2850 2850	TOTAL LENGTH (m) 98.90 98.90 98.90 311.13 35.56 52.70 158.40 359.40 124.41 84.00 84.00 96.00 96.00 17.10 35.10 118.00 XADE 40	UNIT WT. (kg/m) 4.833 4.833 1.579 2.466 1.579 6.313 1.579 1.579 4.833 6.313 4.833 6.313 4.833 6.313 2.466 2.466 1.579	WEIGHT (kg) 478 430 430 478 492 88 84 1000 568 197 406 531 406 531 406 531 464 607 43 87 187	RATIO (kg/m ³) 213.10 382.97 92.26
10 10 73 4 31 24 104 36 12 12 12 24 24 6 6	SPACING AS SHOWR 75 AS AS SHOWR 70 100 250 250 250 250 AS SHOWR AS SHOWR		DHEDISI a 500 8890 500 581 8890 150 500 1100 1100 1100 575 575 575 2850 5850	DNS (m) 8890 	n) OUT c 500 - 500 150 - 150 - 500 - - - 575 575 575 575 575 - - -	TC OUT d 	LENGTH EACH BAR (mm) 9890 9890 9890 9890 4262 8890 1700 6600 3456 3456 7000 7000 4000 4000 2850 2850 2850	TOTAL LENGTH (m) 98.90 98.90 98.90 311.13 35.56 52.70 158.40 359.40 124.41 84.00 84.00 96.00 96.00 17.10 35.10 118.00 XADE 40	UNIT WT. (kg/m) 4.833 4.833 1.579 2.466 1.579 6.313 1.579 1.579 4.833 6.313 4.833 6.313 4.833 6.313 2.466 2.466 1.579	WEIGHT (kg) 478 430 430 478 492 88 84 1000 568 197 406 531 406 531 406 531 464 607 43 87 187	RATIO (kg/m ³) 213.10 382.97 92.25
10 10 73 4 31 24 104 36 12 12 12 24 24 6 6	SPACING AS SHOWR 75 AS AS SHOWR 70 100 250 250 250 250 AS SHOWR AS SHOWR		DHEDISI a 500 8890 500 581 8890 150 500 1100 1100 1100 575 575 575 2850 5850	DNS (m) 8890 	n) OUT c 500 - 500 150 - 150 - 500 - - - 575 575 575 575 575 - - -	TC OUT d 	LENGTH EACH BAR (mm) 9890 9890 9890 9890 4262 8890 1700 6600 3456 3456 7000 7000 4000 4000 2850 2850 2850	TOTAL LENGTH (m) 98.90 98.90 98.90 311.13 35.56 52.70 158.40 359.40 124.41 84.00 84.00 96.00 96.00 17.10 35.10 118.00 XADE 40	UNIT WT. (kg/m) 4.833 4.833 1.579 2.466 1.579 6.313 1.579 1.579 4.833 6.313 4.833 6.313 4.833 6.313 2.466 2.466 1.579	WEIGHT (kg) 478 430 430 478 492 88 84 1000 568 197 406 531 406 531 406 531 464 607 43 87 187	RATIO (kg/m ³) 213.10 382.97 92.25
10 10 73 4 31 24 104 36 12 12 12 24 24 24 6 6	SPACING AS SHOWR 75 AS AS SHOWR 70 100 250 250 250 250 AS SHOWR AS SHOWR		DHEDISI a 500 8890 500 581 8890 150 500 1100 1100 1100 575 575 575 2850 5850	DNS (m) 8890 	n) OUT c 500 - 500 150 - 150 - 500 - - - 575 575 575 575 575 - - -	TC OUT d 	LENGTH EACH BAR (mm) 9890 9890 9890 9890 4262 8890 1700 6600 3456 3456 7000 7000 4000 4000 2850 2850 2850	TOTAL LENGTH (m) 98.90 98.90 98.90 311.13 35.56 52.70 158.40 359.40 124.41 84.00 84.00 96.00 96.00 17.10 35.10 118.00 XADE 40	UNIT WT. (kg/m) 4.833 4.833 4.833 1.579 2.466 1.579 6.313 1.579 4.833 6.313 4.833 6.313 4.833 6.313 2.466 2.466 1.579	WEIGHT (kg) 478 430 430 478 492 88 84 1000 568 197 406 531 406 531 406 531 464 607 43 87 187	RATIO (kg/m ³) 213.10 382.97 92.25
10 10 73 4 31 24 104 36 12 12 12 24 24 24 6 6	SPACING AS SHOWR 75 AS AS SHOWR 70 100 250 250 250 250 AS SHOWR AS SHOWR		DHEDISI a 500 8890 500 581 8890 150 500 1100 1100 1100 575 575 575 2850 5850	DNS (m) 8890 	n) OUT c 500 - 500 150 - 150 - 500 - - - 575 575 575 575 575 - - -	TC OUT d 	LENGTH EACH BAR (mm) 9890 9890 9890 9890 4262 8890 1700 6600 3456 3456 7000 7000 4000 4000 2850 2850 2850	TOTAL LENGTH (m) 98.90 98.90 98.90 311.13 35.56 52.70 158.40 359.40 124.41 84.00 84.00 96.00 96.00 17.10 35.10 118.00 XADE 40	UNIT WT. (kg/m) 4.833 4.833 4.833 1.579 2.466 1.579 6.313 1.579 4.833 6.313 4.833 6.313 4.833 6.313 2.466 2.466 1.579	WEIGHT (kg) 478 430 430 478 492 88 84 1000 568 197 406 531 406 531 406 531 464 607 43 87 187	RATIO (kg/m ³) 213.10 382.97 92.25
10 10 73 4 31 24 104 36 12 12 12 24 24 24 6 6	SPACING AS SHOWR 75 AS AS SHOWR 70 100 250 250 250 250 AS SHOWR AS SHOWR		DHEDISI a 500 8890 500 581 8890 150 500 1100 1100 1100 575 575 575 2850 5850	DNS (m) 8890 	n) OUT c 500 - 500 150 - 150 - 500 - - - 575 575 575 575 575 - - -	TC OUT d 	LENGTH EACH BAR (mm) 9890 9890 9890 9890 4262 8890 1700 6600 3456 3456 7000 7000 4000 4000 2850 2850 2850	TOTAL LENGTH (m) 98.90 98.90 98.90 311.13 35.56 52.70 158.40 359.40 124.41 84.00 84.00 96.00 96.00 17.10 35.10 118.00 XADE 40	UNIT WT. (kg/m) 4.833 4.833 4.833 1.579 2.466 1.579 6.313 1.579 4.833 6.313 4.833 6.313 4.833 6.313 2.466 2.466 1.579	WEIGHT (kg) 478 430 430 478 492 88 84 1000 568 197 406 531 406 531 406 531 464 607 43 87 187	RATIO (kg/m ³) 213.10 382.97 92.25
10 10 73 4 31 24 104 36 12 12 24 24 6 6 6 40	SPACING AS SHOWR 75 AS AS SHOWR 70 100 250 250 250 250 AS SHOWR AS SHOWR		DIMENSI a 500 8890 500 581 8890 150 500 1100 1100 575 575 575 575 2850 5850 200	DNS (m) 8890 	out c 500 - 500 - 150 500 - 150 500 - 575	TC OUT d 	LENGTH EACH BAR (mm) 9890 9890 9890 9890 4262 8890 1700 6600 3456 3456 7000 7000 4000 4000 2850 2850 2850	TOTAL LENGTH (m) 98.90 98.90 98.90 311.13 35.56 52.70 158.40 359.40 124.41 84.00 84.00 96.00 96.00 17.10 35.10 118.00 XADE 40	UNIT WT. (kg/m) 4.833 4.833 4.833 1.579 2.466 1.579 6.313 1.579 4.833 6.313 4.833 6.313 4.833 6.313 2.466 2.466 1.579	WEIGHT (kg) 478 430 478 492 88 84 1000 568 197 406 531 406 531 464 607 43 87 187 1,528 kg 4,602 kg	RATIO (kg/m ³) 213.10 382.97 92.25
10 10 73 4 31 24 104 36 12 12 24 24 6 6 6 40	SPACING AS SHOWN 75 AS SHOWN 70 100 250 250 250 250 250 250 250 250 250 250 250 250 250 250		DIMENSI a 500 8890 500 581 8890 150 500 1100 1100 575 575 575 575 2850 5850 200	DRS (m) 8890 - 8890 1400 - 1400 5600 70 100 5850 2850 2850 2850 2850 - - 1125	OUT c 500 - 500 150 500 - 150 500 - 575		LENGTH EACH BAR (mm) 9890 9890 9890 4262 8890 1700 6600 3456 3456 7000 7000 4000 4000 2850 2850 2850 2950 GR	TOTAL LENGTH (m) 98.90 98.90 98.90 311.13 35.56 52.70 158.40 359.40 124.41 84.00 84.00 96.00 96.00 17.10 35.10 118.00 XADE 40	UNIT WT. (kg/m) 4.833 4.833 4.833 1.579 2.466 1.579 6.313 1.579 4.833 6.313 4.833 6.313 4.833 6.313 2.466 2.466 1.579	WEIGHT (kg) 478 430 478 492 88 84 1000 568 197 406 531 406 531 464 607 43 87 187 1,528 kg 4,602 kg	RATIO (kg/m ³) 213.10 382.97 92.26 92.26 ge.
10 10 73 4 31 24 104 36 12 12 24 24 24 6 6 6 40	SPACING AS SHOWN 75 AS SHOWN 70 100 250 250 250 250 250 250 250 250 250 250 250 250 250 250		DIMENSI a 500 8890 500 581 8890 150 500 1100 1100 575 575 575 575 2850 5850 200	DNS (mr b 8890 - 8890 - 1400 5600 70 100 5850 2850 2850 2850 2850 2850 - - 1125 - 1125	OUT c 500 - 500 150 500 - 150 500 - 5500 - 5575 575 575 575 575 575 575 575 150	TC OUT d 	LENGTH EACH BAR (mm) 9890 9890 9890 4262 8890 1700 6600 3456 3456 7000 7000 4000 2850 2850 2850 2850 2950 GR GR	TOTAL LENGTH (m) 98.90 98.90 311.13 35.56 52.70 158.40 359.40 124.41 84.00 84.00 96.00 96.00 17.10 35.10 118.00 XADE 40 XADE 40	UNIT WT. (kg/m) 4.833 4.833 4.833 1.579 2.466 1.579 6.313 1.579 4.833 6.313 4.833 6.313 4.833 6.313 2.466 2.466 1.579	WEIGHT (kg) 478 430 478 492 88 84 1000 568 197 406 531 406 531 464 607 43 87 187 1,528 kg 4,602 kg	RATIO (kg/m ³) 213.10 382.97 92.26 92.26 ge.
10 10 73 4 31 24 104 36 12 12 24 24 24 6 6 6 40	SPACING AS SHOWN AS SHOWN AS SHOWN AS SHOWN AS SHOWN AS SHOWN 75 AS AS SHOWN 70 100 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 500		DIMENSI a 500 8890 500 581 8890 150 500 1100 1100 575 575 575 575 2850 5850 200	DNS (mr b 8890 - 8890 - 1400 5600 70 100 5850 2850 2850 2850 2850 2850 - - 1125 - 1125	OUT c 500 - 500 150 500 - 150 500 - 5500 - 5575 575 575 575 575 575 575 575 150	TC OUT d 	LENGTH EACH BAR (mm) 9890 9890 9890 4262 8890 1700 6600 3456 3456 7000 7000 4000 4000 2850 2850 2850 2950 GR	TOTAL LENGTH (m) 98.90 98.90 311.13 35.56 52.70 158.40 359.40 124.41 84.00 84.00 96.00 96.00 17.10 35.10 118.00 XADE 40 XADE 40	UNIT WT. (kg/m) 4.833 4.833 4.833 1.579 2.466 1.579 6.313 1.579 4.833 6.313 4.833 6.313 4.833 6.313 2.466 2.466 1.579	WEIGHT (kg) 478 478 430 478 492 88 84 1000 568 197 406 531 406 531 406 531 464 607 43 87 187 1,528 kg 4,602 k	RATIO (kg/m ³) 213.10 382.97 92.26 92.26 ge. ge.
10 10 10 73 4 31 24 104 36 12 12 24 24 24 6 6 6 40	SPACING AS SHOWN 75 AS SHOWN 70 100 250 250 250 250 250 250 250 250 250 250 250 250 250 250		DIMENSI a 500 8890 500 581 8890 150 500 1100 1100 575 575 575 575 2850 5850 200	DNS (mr 8890 - 8890 - 1400 5600 70 100 5850 2850 2850 2850 2850 - - 1125 - 1125	■) OUT = 500 - 500 150 - 150 500 - - 575 575 575 575 575 575 57	TC OUT d 	LENGTH EACH BAR (mm) 9890 9890 4262 8890 1700 6600 3456 3456 7000 7000 4000 4000 2850 2850 2850 2950 GR GR	TOTAL LENGTH (m) 98.90 98.90 98.90 311.13 35.56 52.70 158.40 359.40 124.41 84.00 84.00 96.00 96.00 96.00 17.10 35.10 118.00 XDE 40 XDE 40	UNIT WT. (kg/m) 4.833 4.833 4.833 1.579 2.466 1.579 6.313 1.579 4.833 6.313 4.833 6.313 4.833 6.313 2.466 2.466 1.579	WEIGHT (kg) 478 478 430 478 492 88 84 1000 568 197 406 531 406 531 406 531 464 607 43 87 187 1,528 kg 4,602 k	RATIO (kg/m ³) 213.10 382.97 92.26 92.26 ge.
10 10 10 73 4 31 24 24 36 12 12 24 24 6 6 40	SPACING AS SHOWN AS SHOWN AS SHOWN AS SHOWN AS SHOWN AS SHOWN 75 AS AS SHOWN 70 100 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 250 500	BAR SHAPE © © © © © © © © © © © © © © © © © © ©	DIMENSI a 500 8890 500 581 8890 150 500 1100 1100 1100 575 575 575 2850 5850 200 SHEET	DNS (mr 8890 - 8890 1400 - 1400 5600 70 100 5850 2850 2850 2850 - - 1125 - - 1125	OUT c 500 - 500 - 150 500 - 150 575 575 575 575 575 575 575 575 575 - 150	TC OUT d 	LENGTH EACH BAR (mm) 9890 9890 9890 4262 8890 1700 6600 3456 3456 7000 7000 4000 2850 2850 2850 2850 2950 GR GR	TOTAL LENGTH (m) 98.90 98.90 311.13 35.56 52.70 158.40 355.40 124.41 84.00 84.00 96.00 96.00 17.10 35.10 118.00 400 40 400 40 400 40	UNIT WT. (kg/m) 4.833 4.833 1.579 2.466 1.579 6.313 1.579 1.579 4.833 6.313 2.466 2.466 1.579 FOTAL = TOTAL =	WEIGHT (kg) 478 478 430 478 492 88 84 1000 568 197 406 531 406 531 406 531 464 607 43 87 187 1,528 kg 4,602 k	RATIO (kg/m ³) 213.10 382.97 92.26 92.26 ge. ge.

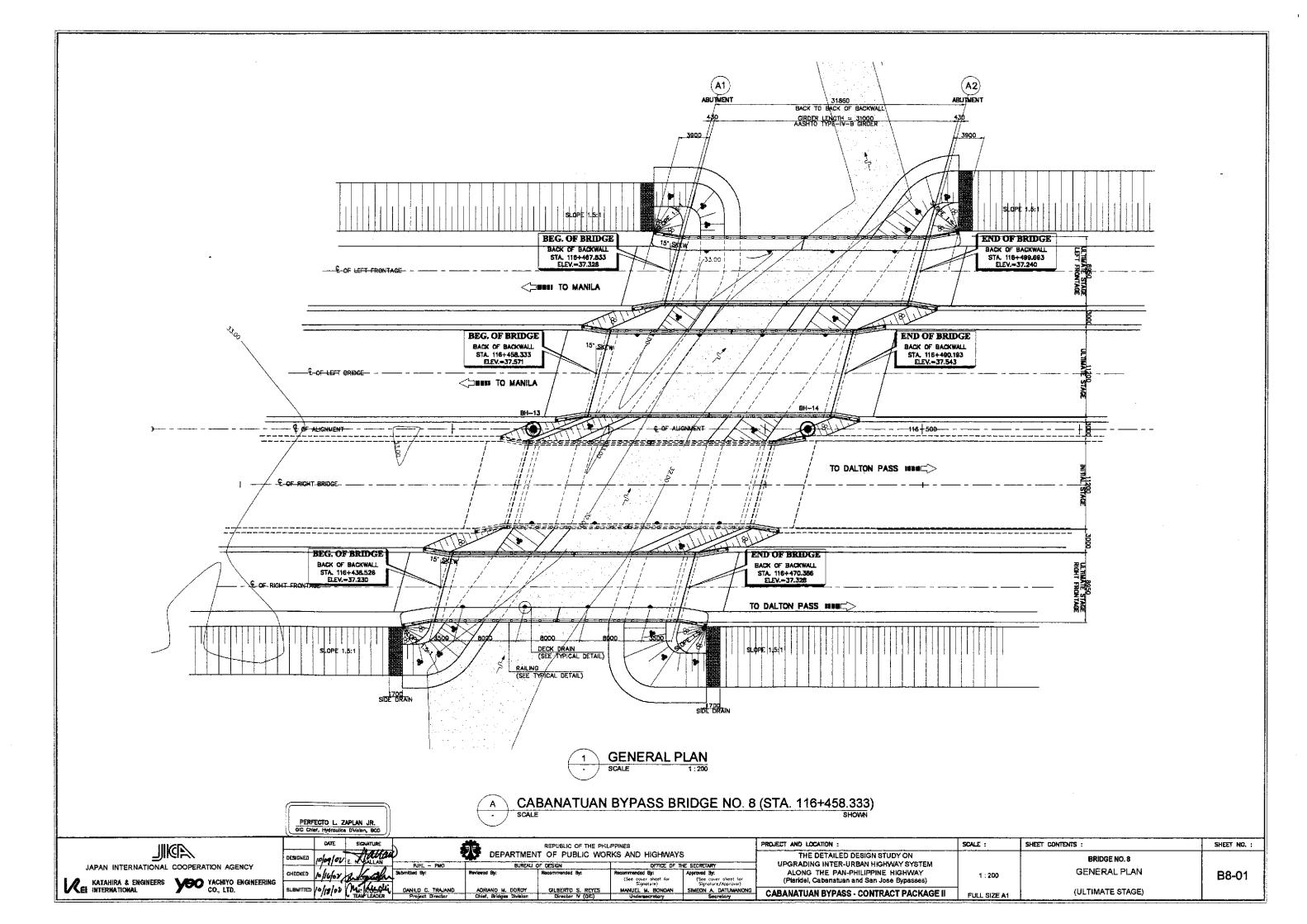
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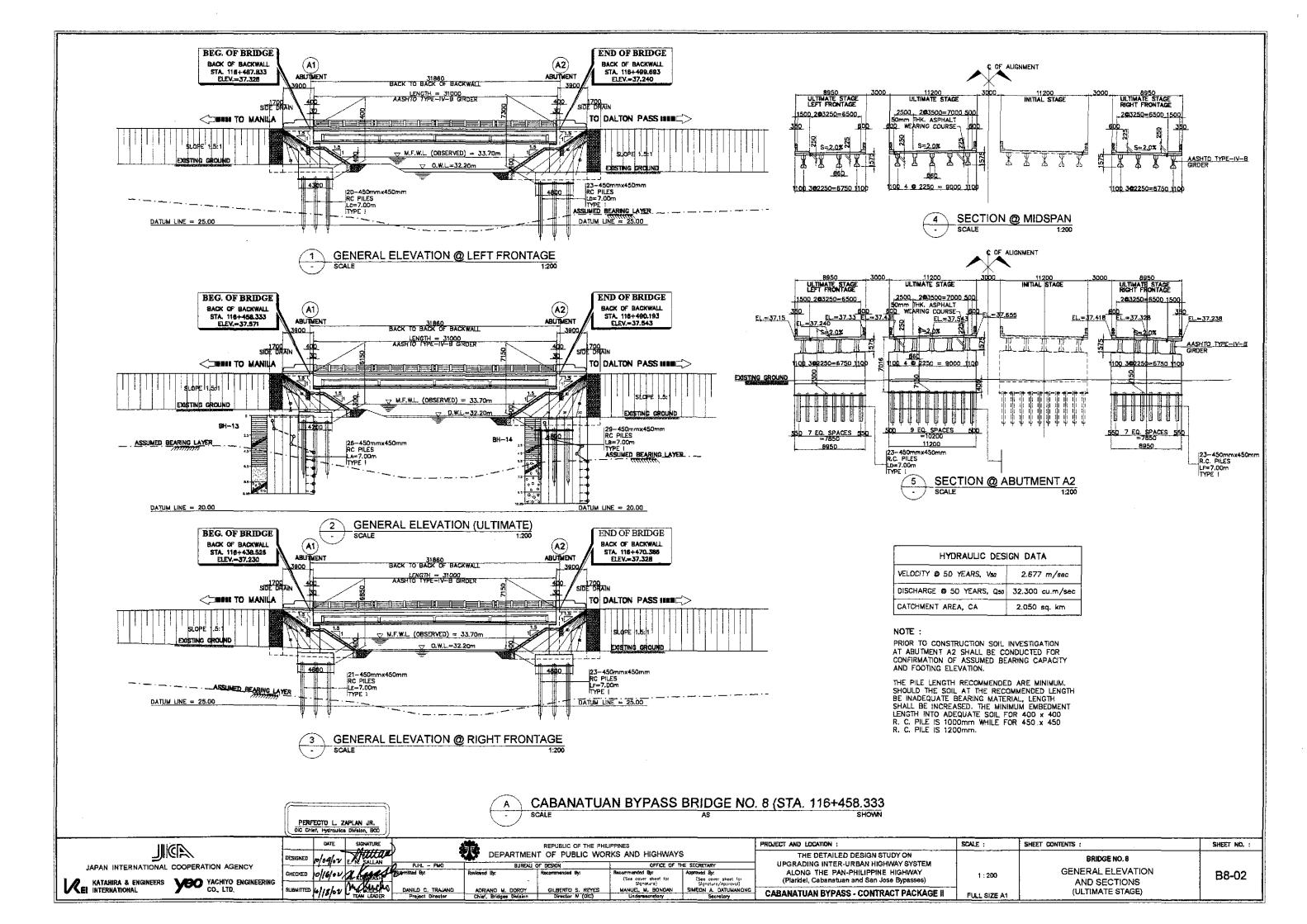


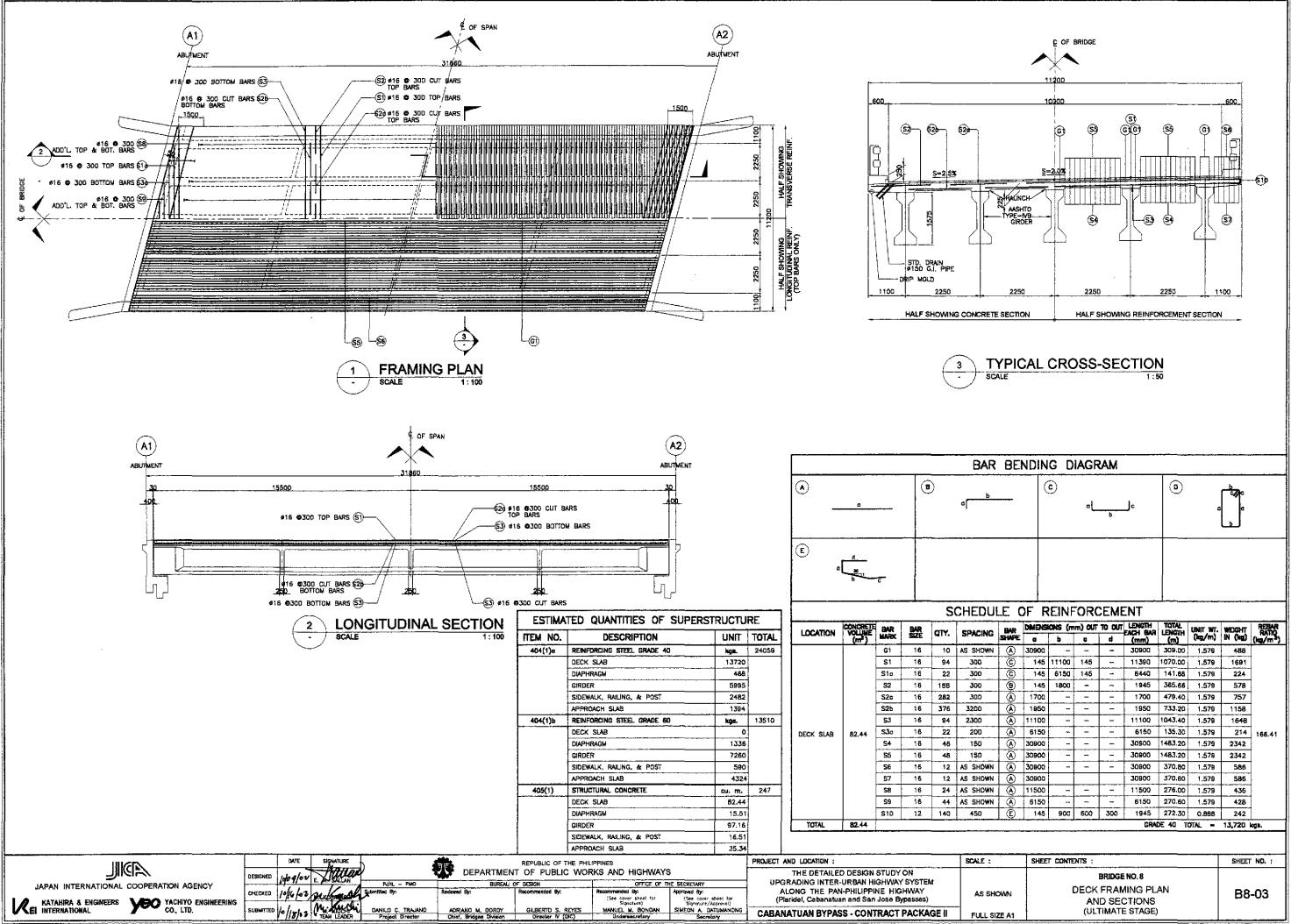
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INF	ORC	EME	<u>NT I</u>	PER	AB	UTME	ENT_				
· · · · ·		(mm)		;		LENGTH EA. BAR	TOTAL		UNIT WT		REBAR RATID
1	b	c	d	Ð	f	(mm)	(m)		(kg/m)	+	RATIO (kg/m ³)
1050	200	1050	-	-	_	2300	103.5		1.579	164	
8990	-	-	-	-		8990	53.9		1.579	86	118.98
600	200	750	-	-	-	1550	51.1		1.579	81	
6500	-	-		-	-	6500	13.0		1.579	21	
400	4475	· · · · · · · · · · · · · · · · · · ·	-	-	-	4875	175.5	_	3.854	677	
400	4475		-	-	-	4875	173.8	_	2.466	433	
8990		-	-	-	-	8990	296.6	7	2.466	732	63.75
250	1000	250	-		~	1500	54.0	0	2.466	134	
250	1000	250	-		-	1500	189.0	ip (1.579	299	
700	3050	700	-	-	-	4450	169.1	0	4.833	818	
700	3050	700	-	-	_	4450	169.1	0	3.854	652	1
700	9335	700	-	_	_	10735	139.5	6	2.466	345	
700	9335	700	-	-	-	10735	139.5	6	2.466	345	76.09
9335	-	-	-	-	-	9335	37.3	4	1.579	59] [
3050	-	-	-	-	-	3050	12.2	0	1.579	20]
250	950	250				1450	165.3	10	1.579	262]
650	500	-	-	-	-	1150	25.3	o	1.579	40	
									TOTAL -		
	T	SHEET C	ONTENT	S :						SHEET	NO. 1
: 50 Size A	1		NALL	BUTM	ORC	IO.7 A1 & A CEMEN TIMATE	T DET		LS	87	-20
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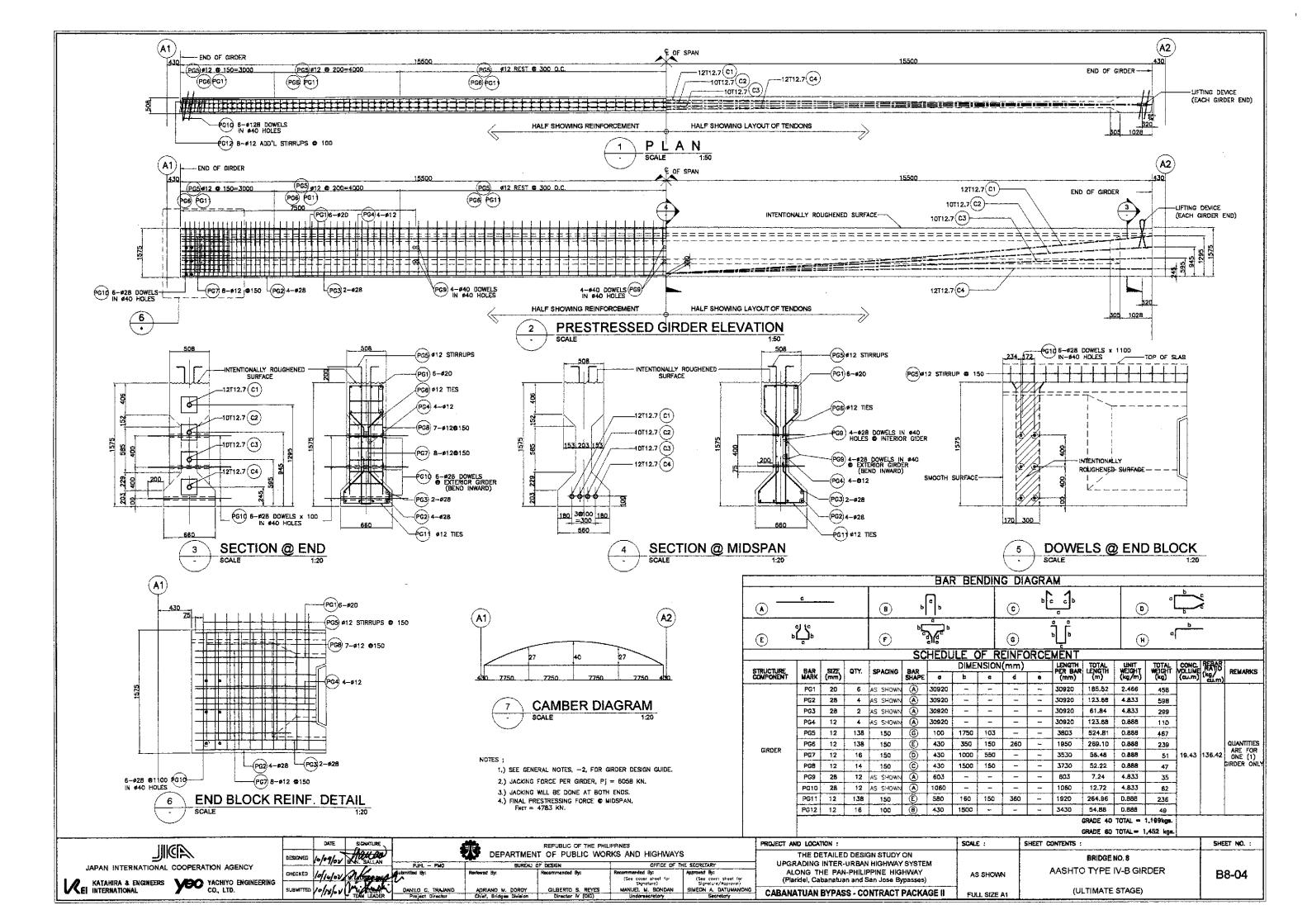
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NF	OR	CEMI	ENT	PEF	R A	B	JTME	NT.	<u> </u>	<u>.</u>	<u> </u>	
AR APE	D	MENSIOI b	NS (mm c) OUT d		Л f	LENGTH EA. BAR (mm)	TOTAL LENGTI (m)			Weight (kg)	REBAR RATIO (kg/m ³)
D)	400	2100	150		-	-	2650	68.90	2.46	6	170	Í
0	400	2100	150	-	-	-	2650	68.90	3.85	4	266	
6)	400	2700	150	-	-		3250	19.50	2.46	6	49	
8	400	2700	150	-	-	-	3250	19.50	3.85	4	76	1
0	400	2150	150	-	-	-	2700	21.60	2.46	6	54	1
0	400	2150	150		-	-	2700	21.60	3.85	4	84	192.92
Ē	250	5250	-	-	-	-	5500	55.00	1.57	9	87]
<u>e)</u>	250	5250		-	-	-	5500	55.00	1.57	9	87	
<u></u>	25D	1200		-	-	_	1450	14.50	1.57	9	23	
Ð	25D	1200	-	-	-	-	1450	14.50	1.57	9	23	
<u>c</u>	250	1000	1700	-			2950	11.80	1.57	9	19	
<u>)</u>	170	450	170	4		-	790	102.70	0.88	8	92	
									e 60 to E 40 to			kgs. kgs.
A)	2150		-	-	-	-	2150	25.80	0.88	8	23	
A)	2150	~	÷	-	-	-	2150	10.75	5 0.88	8	10	
ð	2150	-	I	-	-	- 1	2150	8.6	0.88	8	8	
<u>a</u>	2150	-	I	-	-	-	2150	8.6	0.88	8	8	
<u>6</u>	200	170	480	200	170	200	1420	4.2	6 1.57	9	7	
Đ	200	170	480	200	200	-	1250	7.50	0 1.57	8	12	
Ð	200	170	1730	200	170	200	2870	25,83	3 1.57	9	41	
<u>e</u>	200	1770	-	_	-	-	1970	17.73	3 1.57	9	28	92.52
Ð_	200	900	-	-	-	-	1100	8,8(0 1.57	9	14	
છ	1300	120	1300	-	-	-	2720	21.76	6 1.57	9	35	
<u>D</u>	2300	236	1300	-	-	-	2836	5.6	7 1.57	9	9	
<u>D</u> _	2050	236	900		-	-	3186	12.74	4 1.57	9	21	
\underline{A}	2050		- 1		-	-	2050	16.44	0 1.57	9	26	
<u>()</u>	1300	-	-	-	-	-	1300	5.2		_	9	
		-						GRADE 4	O TOTAL	= :	251 kgs.	
									BO TOTAL 40 TOTAL		699 k 582 k	
		SHEET	CONTE	NTS :							SHEET	NO. ;
				1	RIDO	E NO). 7					
HOW	N.		GWAL	L REI	NFC	RC	A1 & A2 EMENT	DET/			B7-2	21
317E	Δ1	· L	.⊨+ I FI	KONT/	٩GE	(UL)	TIMATE	STAGE])	1		

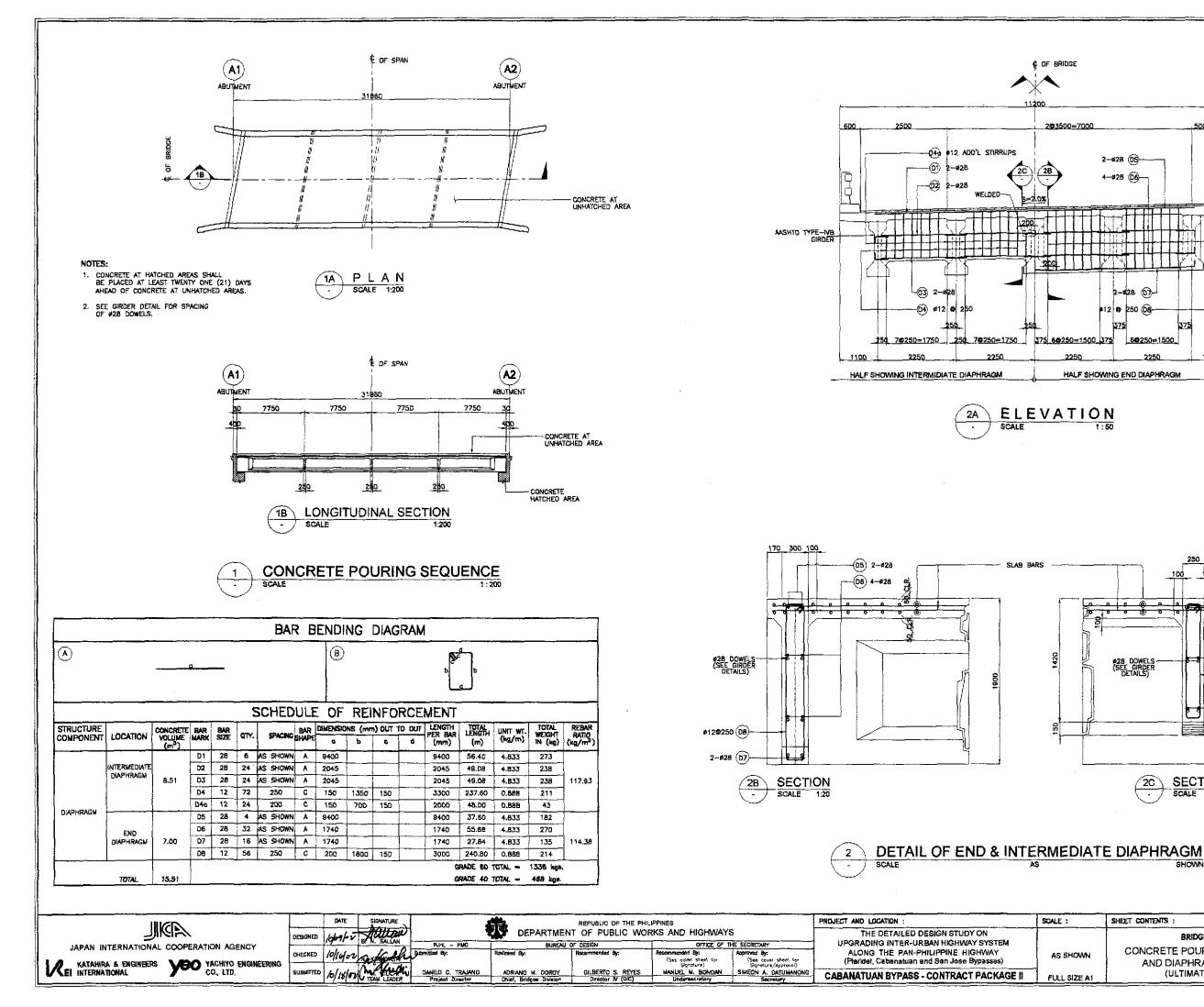




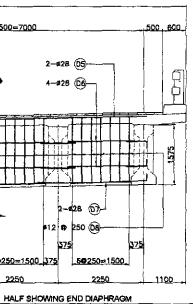


	SMEET LUMIENTS :	SHEEL NO. :
	BRIDGE NO. 8	
OWN	DECK FRAMING PLAN AND SECTIONS	B8-03
ZE A1	(ULTIMATE STAGE)	

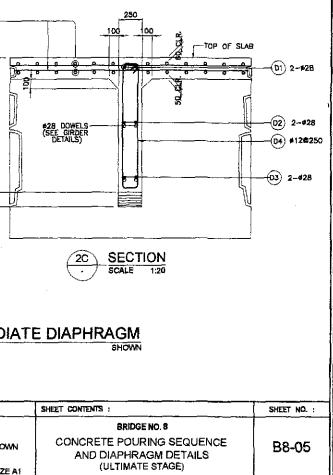


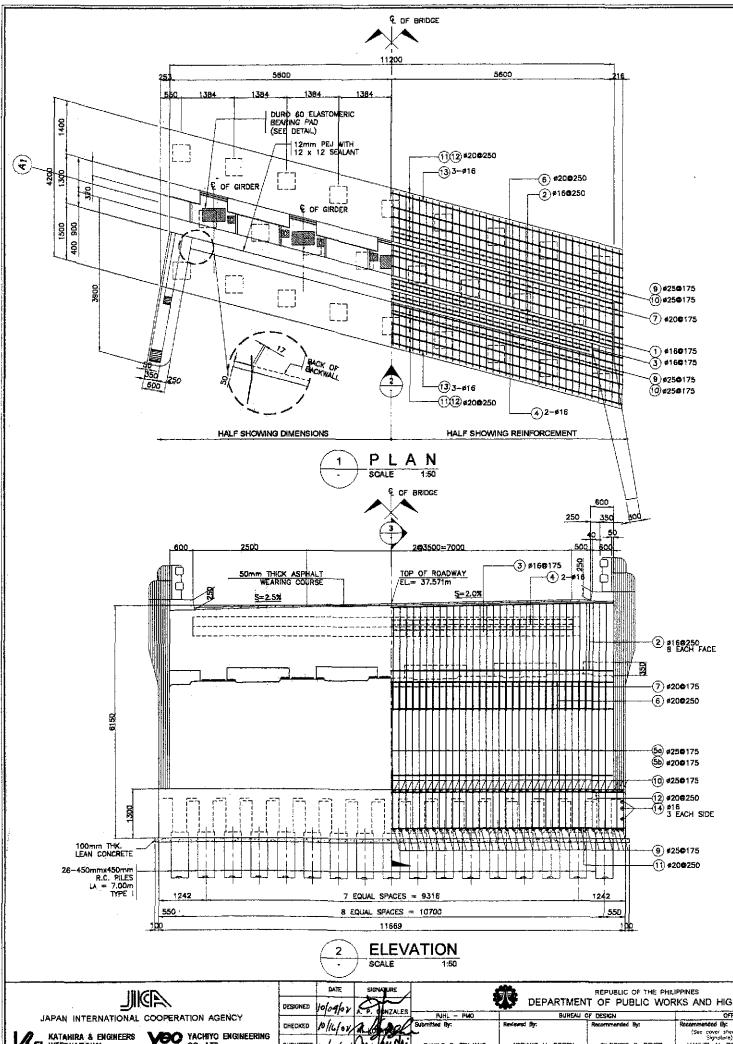


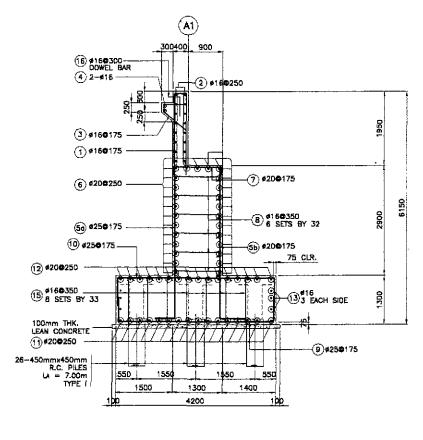








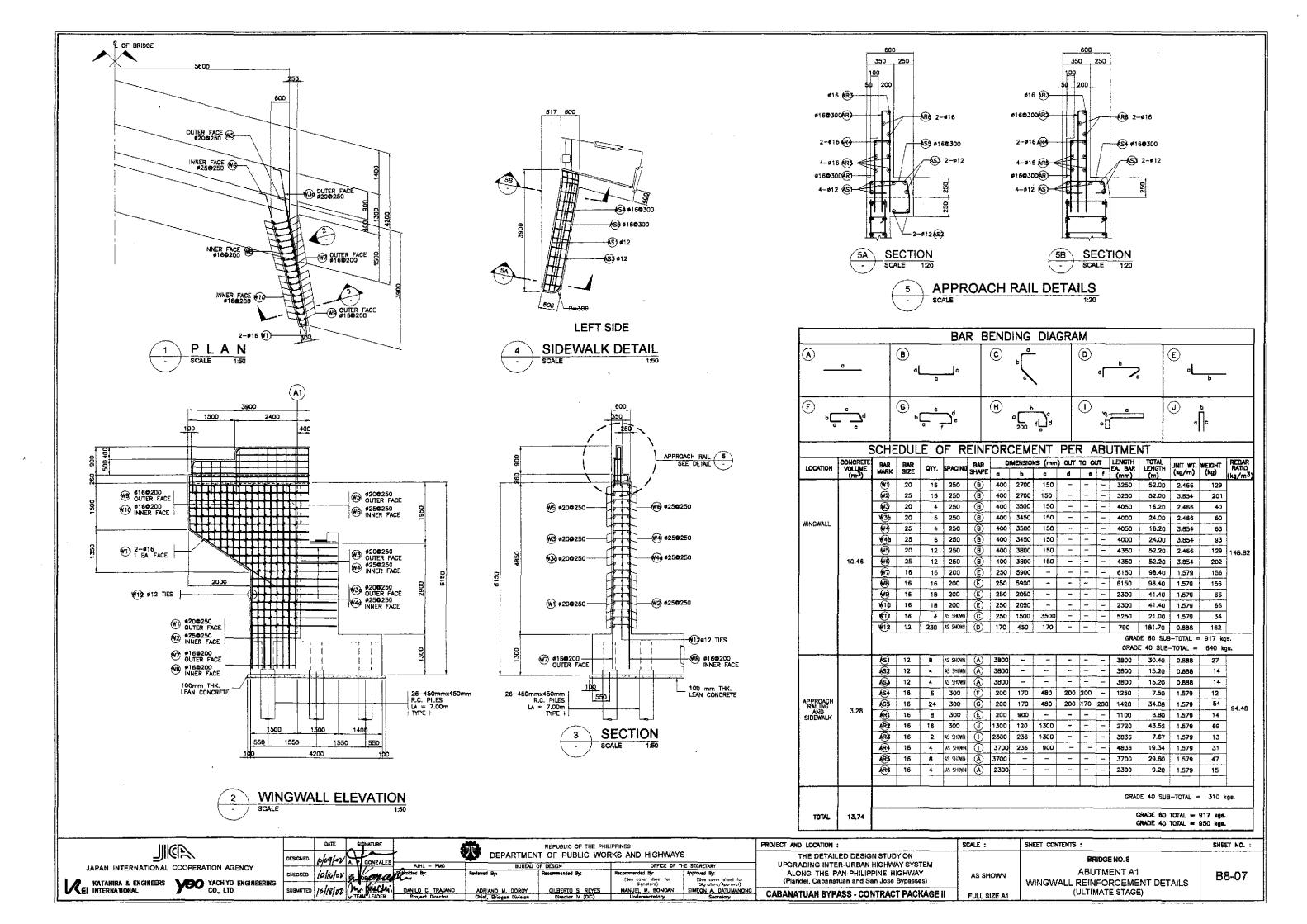


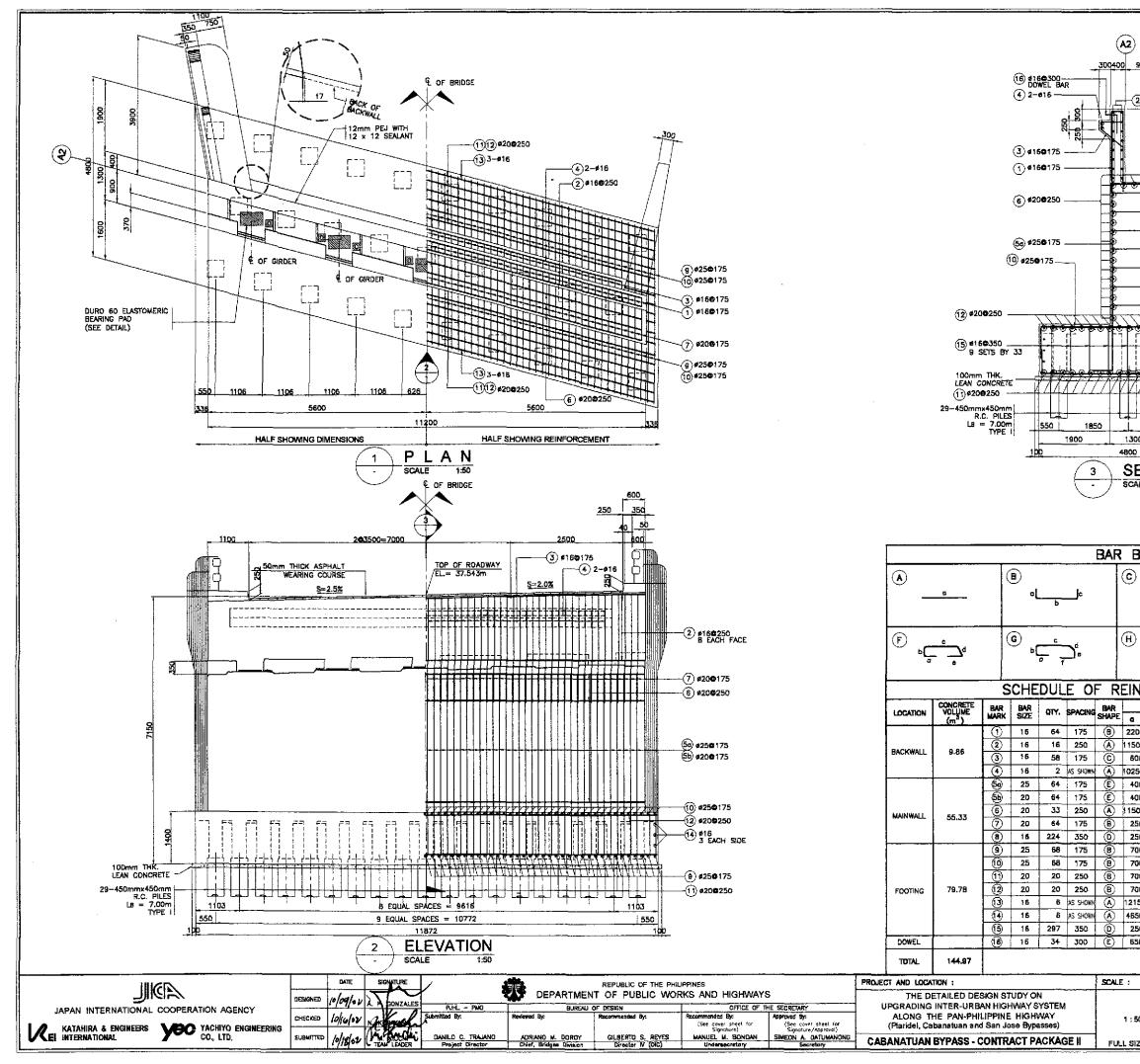


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		5	SCHE	DUL	ΕO	FR	EIN	FORC	<u>CEM</u>	ENT	PER	AB	UTME	NT			
LOCATION	CONCRETE VOLUNE (m ³)	BAR MARK	BAR SIZE	QTY.	SPACING	BAR Shape		HMENSION	NS (mr	n)OUT d	TU OUT	f	LENGTH EA BAR (mm)	TOTAL LENGTH (m)	UNIT WT. (kg/m)	WEIGHT (kg)	REBAR RATIO (kg/m ³)
		0	16	64	175	₿	2200	300	2200	-	-	-	4700	300.80	1.579	475	
BACKWALL	9.86	2	16	15	250		11500	-	-	-	-	-	11500	184.00	1.579	291	95.02
	5.00	3	16	58	175	©	600	150	750	-	-	-	1450	84.10	1.579	133	80.02
		٩	16	2	as shown		10250					-	10250	20.50	1.579	33	
	ALL 42.22	6	25	64	175	E	400	3900	-		-	-	4300	275.20	3.854	1051	
		<u>6</u>	20	64	175	E	400	3900	-	ļ		-	4300	275.20	2.466	679	-
MAINWALL			20	27	25D		11500			-	-	-	11500	310.50	2.466	766	77.94
		\bigcirc	20	64	175	<u>©</u>	250	1200	250	<u> </u>			1700	108.80	2.466	269	-
		B	16	192	350	<u> </u>	250	1200	250	- <u>-</u>	-		1700	362.40	1.579	516	
	TING 63.71	9	25	67	175	(B)	700	4050	700			-	5450	365.15 365.15	3.854 3.854	1408	-
			23	67 17	175 250	(B)	+	405D	700 700	4			5450 13350	226.95	2.466	1408	-
		12	20	17	250 25D	- B	700	1195D	700	+		_	13350	226.95	2.465	560	4
FOOTING	63.71	(13)	16	6	AS SHOWN	Å	11950		- 100	-	_		11950	71.70	1.579	114	74.50
		(14)	16	6	AS SHOWN	Ä	4050					_	4050	24.30	1.579	39	-
		(15)	16	264	350	l 🔘	250	1150	250	-			1650	435.60	1,579	688	-
DOWEL		16	16	34	300	Ē	650	500		<u>+</u>	-		1150	38.10	1.579	£2	+ •
TOTAL	115.80		I							,L,	· · · · ·			DE 40 TO DE 60 TO		2,358 kg 6,711 kg	
ROJECT AN	D LOCATION :	<u> </u>	• •				SCAL	E :		SHEET	CONTENT	S :	<u> </u>	<u></u>			SHEET NO
PROJECT AND LOCATION : THE DETAILED DESIGN STUDY ON UPGRADING INTER-URBAN HIGHWAY SYSTEM ALONG THE PAN-PHILIPPINE HIGHWAY (Plaridel, Cabanatuan and San Jose Bypasses) CABANATUAN BYPASS - CONTRACT PACKAGE II								1:50			BRIDGE NO.8 ABUTMENT A1 MAINWALL REINFORCEMENT DETAILS (ULTIMATE STAGE)					6	B8-0

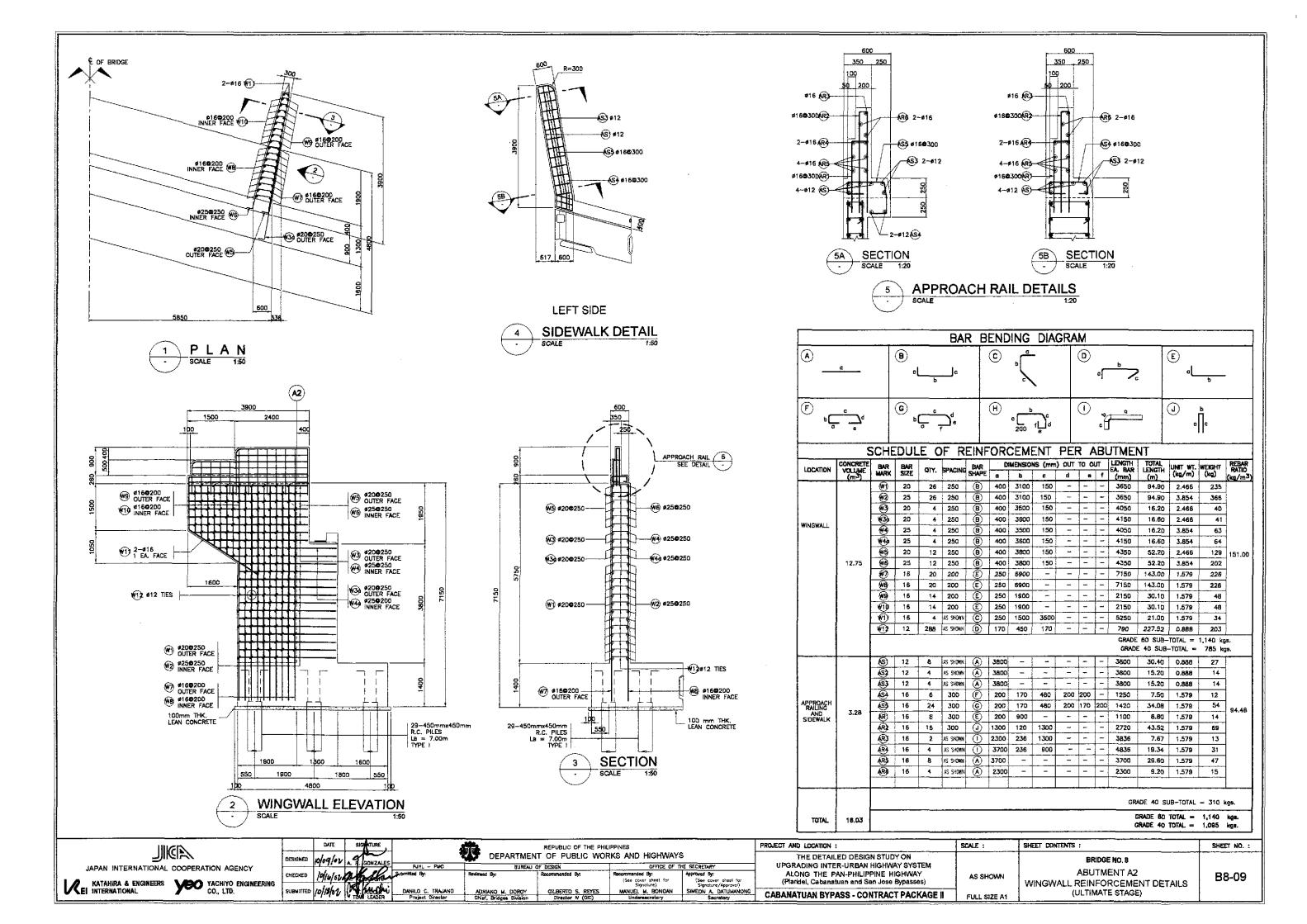
	PATE	SIGNATURE			REPUBLIC OF THE PHIL	IPPINES		PROJECT AND LOCATION :	SCALE :	S
JIKER	DESIGNED 10/04/07		•			RKS AND HIGHWAYS		THE DETAILED DESIGN STUDY ON UPGRADING INTER-URBAN HIGHWAY SYSTEM		
JAPAN INTERNATIONAL COOPERATION AGENCY	CHECKED 10/11. 1.	1 March	Submitted By:	BUREAU C Reviewed By:	F DESIGN Recommended By:	OFFICE OF TI Recommended By:	Approved By:	ALONG THE PAN-PHILIPPINE HIGHWAY	1:50	
KATAHIRA & ENGINEERS VEO YACHIYO ENGINEERING		h. The				(See cover sheet for Signplure)	(See cover sheet for Signature/Approval)	(Plaridel, Cabanatuan and San Jose Bypasses)	-	I P
CO., LTD.	SUBACITED 10/18/67	TEAM LEADER	DANILO C. TRAJANO Project Director	ADRIANO M. DOROY Chief, Stridges Division	GILBERTO S. REYES Director N (OIC)	MANUEL M. BONDAN Undersecretary	SIMEON A. DATUMANONG Secretary	CABANATUAN BYPASS - CONTRACT PACKAGE II	FULL SIZE A1	

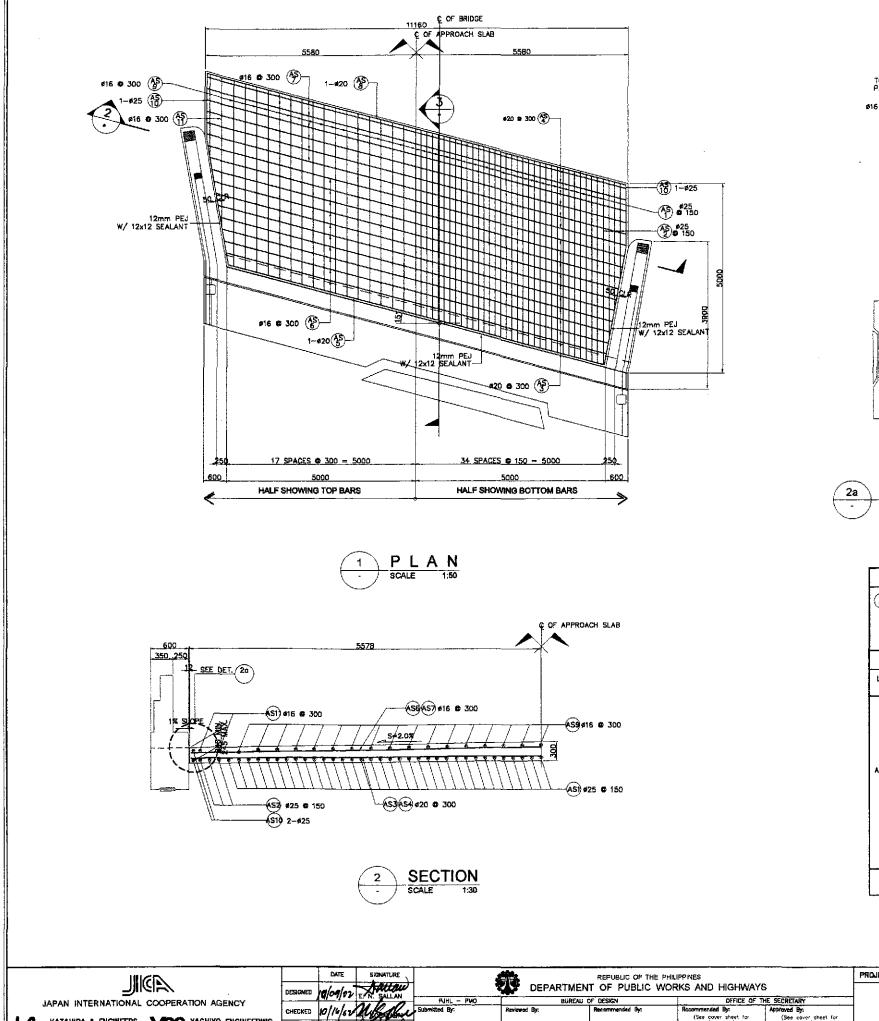
SECTION

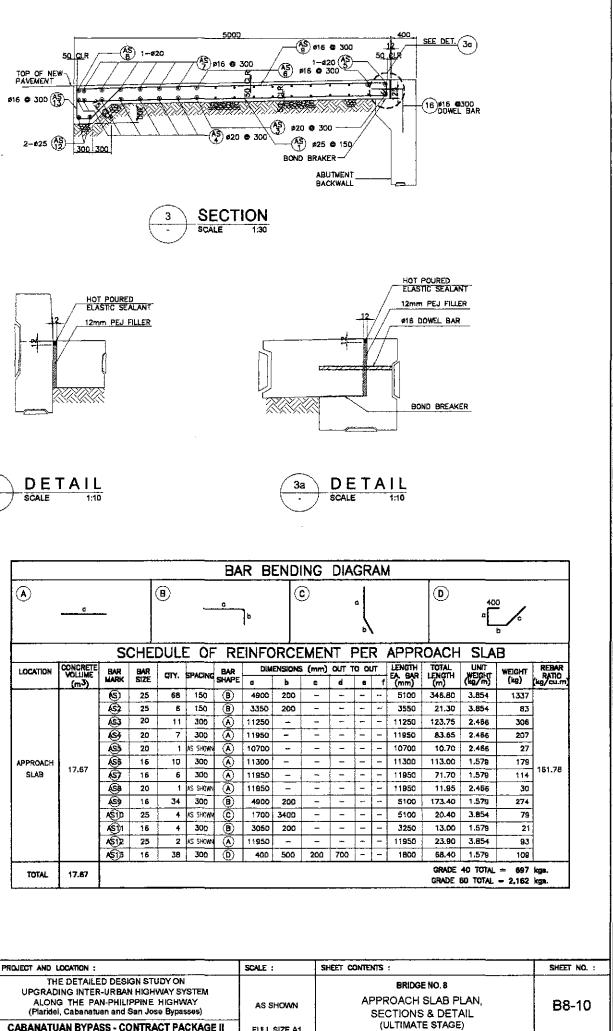




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	IONS (mm			AH		IN I	UNIT W	T. WEIGHT	REBAR		
a b	c	d	•	f	LENGTH EA. BAR (mm)	LENGT (m)	H (kg/m)) (kg)	RATIO (kg/m ³)		
200 300 500	2200	-	-	-	4700 11500	300.8 184.0		475 291			
500 15	0 700	-	-	-	1500	87.0	0 1.579	138	95.02		
250 - 400 4904		-	-	-	10250 5300	20.5 339.2		33 1308			
400 490		-	-	-	5300	339.2					
500 - 250 120	- 2 250	-	-	-	11500 1700	379.5 108.8			71.43		
250 120			-	_	1700	380.8		802			
700 4650 700 4650		-	-	-	6050 6050	411.4					
700 465 700 1215		-	-	-	6050 13550	411.4 271.0					
700 1215	0 700	-	-	-	13550	271.0			68.84		
150 - 650 -		-	-	-	12150 4650	72.9 27.9	_	118			
250 125					1750	519.7		B21	<u> </u>		
550 50	<u>-</u>		<u> </u>	-	1150 G	39.1 RADE 4	0 1.579 10 TOTAL	52 = 2,583	kga.		
	T		_				O TOTAL	= 7,860	kga.		
	SHEET CONTENTS : SHEET NO. :										
	1										
50 ABUTMENT A2 B8-08 MAINWALL REINFORCEMENT DETAILS											
50	MAIN	IWALI	ABU L REIN	FOR	NT A2 CEMEN'		AILS	B8-	08		
50 SIZE A1	MAIN		ABU L REIN		NT A2		AILS	B8-	08		







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		S	CHĘ	DUL	E OF	RE	INFO)F
LOCATION	CONCRETE VOLUME (m ³)	BAR MARK	BAR Size	QTY.	SPACING	BAR Shape	DIM	EN
		S	25	68	150	₿	4900	
		S2	25	6	150	₿	3350	
		Æ3	20	11	300	۲	11250	
		8	20	7	300	۲	11950	
		AS3	20	1	as shown	\odot	10700	
APPROACH	17.07	Æ\$	15	10	300	۲	11300	1
SLAD	17.67	S	16	6	300	٢	11950	
		€ ₿	20	1	AS SHOWN		11950	
		AS9	16	34	300	B	4900	
		AS10	25	4	AS SHOWN	C	1700	3
		A ST)1	16	4	300	₿	3050	
		A\$12	25	2	AS SHOWN	۲	11950	
		A\$13	16	38	300	D	400	
TOTAL	17.87				<u> </u>			

			DATE	SIGNATURE			REFUBLIC OF THE PHIL	IPPINES		PROJECT AND LOCATION :	SCALE :
ļ		DESIGNED	10/09/02	Anter	1	DEPARTMEN	T OF PUBLIC WOP			THE DETAILED DESIGN STUDY ON	1
- If	JAPAN INTERNATIONAL COOPERATION AGENCY	<u> </u>	1	A. to n	FUHL - PMO	BUREAU	OF DESIGN	OFFICE OF T	HE SECRETARY	UPGRADING INTER-URBAN HIGHWAY SYSTEM	1
		CHECKED	10/16/50	Meder	Submitted By:	Reviewed By:	Recommended By:	(See cover sheet for	Approved By: (See cover sheet for	ALONG THE PAN-PHILIPPINE HIGHWAY (Plaridel, Cabanatuan and San Jose Bypasses)	AS SHOWN
- 1	A KATAHIRA & ENGINEERS VOO YACHIYO ENGINEERING		1.1	he hull.				Signature)	Signature / Approval >	(Flander, Cabanatoan and Gair (Vise Dypasses)	1
	CO., LTD.	SUBMITTED	19/18/02	TEAM LEADER	Project Director	ADRIANC M. DOROY Chief, Bridges Division	GILBERTO S. REYES Director N (QIC)	MANUEL M. BONOAN Undersecretary	SIMEON A. DATUMANONG Secretary	CABANATUAN BYPASS - CONTRACT PACKAGE II	FULL SIZE A1

