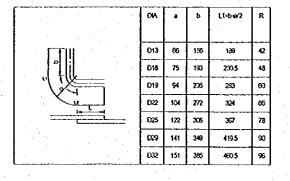
#### BAR BENDING SCHEDULE

SHAPE	1	4 1	ı-a
<u> </u>	F-11-4	5 1 - 12 - 17 - 17 - 17 - 17 - 17 - 17 -	W T
• 0	<b>②</b>	3	(9)

#### BAR WEIGHT

			TVDE	SHAPE	DVA	NUMBER	LENGTH	L1	L2	L3	1.4	L5	R	<del> </del> -	D'A	LENGTH	NUMBER	WEIGHT	<b>VECHT</b>	<b>VEIGHT</b>	SHAPE
			IIFC	arve.	l un	HUMBER	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(U.X.U.)	TYPE	(mm)	(mm)	NUMBER		PER*BAR*(kg)	_	STATE
			Wi	2	22	31	8,610	8,231	382	fireh	freth	firsth	(cran)	WI			31		<del></del>	(kg)	
					22						ļ				22	8,610		3.04	26.17	811.41	ļ <u></u>
			W2	4	29	31	8,770	8,260	506					W2	29	8,770	31	5.19	45.52	1,411.01	
			W3	4	29	28	5,240	4,735	506	<u>.</u>	L			W3	29	5,240	28	5.19	2720	761.48	
			W4	1	16	35	7,320	7,320		·		ļ		W4	16	7,320	35	156	11.42	399.67	
			W5	1 1	16	39	7,320	7,320						W5	16	7,320	30	1.56	11.42	342.58	
W	_ 3	?	W6	3	16	31	820	278	266	278		<u> </u>		W6	16	820	31	1.56	128	39.66	
,,	٥.	`												ļ!							
			F1	1	16	62	790	790						F1	15	790	62	1.56	123	76.41	<u> </u>
			F2	1	16	4	7,320	7,320						F2	16	7,320	4	1.56	11,42	45.68	
					1						<del>                                     </del>										
			Si	2	25	59	6,740	436	6,303					Si	25	6,740	59	3.98	26.83	1,582 69	<del> </del>
			S2	3	19	59	7,560	332	1,019	6,307	ļ			82	19		59	225	17.24	1,016.87	<u> </u>
	÷		- <del>32</del>	ļ	1		7,320	7,320	פועו	100,0	<del> </del>			<b></b>		7,660			<del> </del>		<del></del> -
				1	16	22					<b> </b>			53	16	7,320	22	1.56	11.42	25122	
			S4	1	16	26	7,320	7,320		<u>-</u>	ļ			S4	16	7,320	26	1.56	11.42	296.90	
				<u> </u>							ļ			ļ			<del></del>	<u> </u>	OTAL	7,035.55	
				<b></b>														<u> </u>		· · · · · · · · · · · · · · · · · · ·	<u> </u>
			Wi	2	22	49	8,610	8,231	382		L			W1	22	8,510	49	3.04	26.17	1,282.55	<u> </u>
1			W2	4	29	49	8,770	8,260	506					W2	29	8,770	49	5.19	45.52	2,23030	
			W3	4	29	46	5,240	4,735	506	7 .				W3	29	5240	46	5.19	27.20	1,251,00	
			W4	i	16	35	11,820	11,820						W4	16	11,820	35	156	18.44	645.37	
			W5	1	16	30	11,820	11,820						V/5	16	11,820	30	1.56	18.44	563.18	
			W6	3	16	49	820	278	266	278				W6	16	820	49	1.56	128	62.68	<del>                                     </del>
													<del></del>	""				1	1		
W -	- 41	<b>&gt;</b>	Fi	1	16	98	790	790			<del>                                     </del>			F1	16	790	98	1.56	123	120.78	<u> </u>
YY	7	` ]	F2	<del>                                     </del>	16	4	11,820	11,820			├			F2	16	11,820	4	1.56	18.44	73.76	<b></b>
			12	<del> </del>	10	<del></del>	31,220	11,020			<b></b>			FZ	10	11620	<del></del>	120	10.44	13.10	
			64	2	0.5	05	0.740				<b> </b>		·								
		- 1	Si	<del>-</del>	25	95	6,740	436	6,303		ļ			Ş1	25	6,740	95	3.98	26.83	2,548.39	
			S2	3	19	95	7,660	332	1,019	6,307	<b></b>		·	255	19	7,660	95	225	17.24	1,637,23	<u> </u>
			\$3	1	15	22	11,820	11,820			L			S3	16	11,820	22	1.56	18.44	40566	
			S4	1	16	26	11,820	11,820						S4	16	11,820	26	1.56	18.44	479.42	
				ļ.,,,	<u> </u>					<u>.</u>									OTAL	11,290,40	
			W1	2	16	37	5010	4,735	278	-	1			Wi	16	5,010	37	1.56	7.82	289.18	
			W2	4	16	37	5,030	4,748	278					W2	16	5,030	37	1.56	7.85	29033	
			W3	4	16	34	3,060	2,782	278					W3	16	3,060	34	1.56	477	162.30	
			W4	1	16	20	8,820	8,820			<b> </b>	<b></b>		W4	15	8,820	20	1.56	13.76	275.18	
	_		W5	1	16	17	8,820	8,820			<del> </del>			W5	16	8,820	17	1.56	13.76	23391	
W -	- 51	₹∣	Ws	3	13	37	720	228	265	228	<b> </b>	<b> </b>		W6	13	720	37	1.04	0.75	27.71	<del> </del>
				<del> </del>				120		- 220	<del> </del>	<del> </del>				720		1,54	0.70	21.11	
			64	<del> </del>		74	4500	220	1240	<del></del>	ļ			<del> </del>	<u>                                   </u>	4500	<del> </del>	4	<del>                                     </del>	FM	<b> </b>
			S1.	2	16	71	4,590	278	4,310	1015	<b> </b>	ļ		Si	16	4,590	71	1.56	7.16	508.39	<del>                                     </del>
	,		82	3	16	37	5210	278	625	4,310			<u> </u>	S2	16	5,210	37	1.56	8.13	30072	ļ <u>L</u>
			\$3	1	16	15	8,820	8,820			<b></b>	ļ	<u> </u>	\$3	16	8,820	16	1.56	13.76	220.15	
		.	S4	1	16	18	8,820	8,820			<b> </b>	<u> </u>		S4	16	8,820	18	1.56	13.76	247.67	<u> </u>
			1	I	i			1					l .	1		-		ĭ	OTAL	2,555.53	

### BAR BENDING DETAIL



THE REPUBLIC OF INDONESIA
MINISTRY OF PUBLIC WORKS
DIRECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT
AND DEBECTORATE GENERAL OF BUMAN SETTLEMENT
INATURNSELUNA PLODO CONTROL PROJECT
COMPONENT: WEST FLOODWAY/QARANG RIVER RUPROVEMENT
APPROACH WALLS ON RIGHT AND LEFT BANKS
REINFORCING BAR ARRANGEMENT
FOR UPSTREAM APPROACH WALL (6/7)

DAN PETERS ROLL COMPANION FOR THE PUBLICATION OF THE PUBLICA

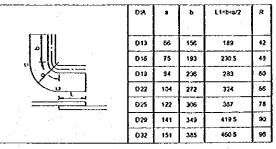
# BAR BENDING SCHEDULE

_				
	SHAPE		1 1	13
	<del></del>	- (1-4) <sup>25</sup>	5 1 1	THE STATE OF THE S
	0	<b>②</b>	3	• 3
	<u></u>	<u></u>	5 / 10	
	<b>3</b>	© (S)	0	8

BAR WEIGHT

				<u> </u>																		
				TYPE	SHAPE	D/A	NUMBER	LENGTH	L1	1.2	L3	. 14	L5	R	TYPE	DIA	LENGTH	NUMBER	VEIGHT	VÆGHT	MEGHT	SHAPE
				<b>i</b>				(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)		(mm)	(mm)		PER 'M'(kg)	PER BAR (kg)	(kg)	
				Wi	2	16	31	5,010	4,735	278					Wi	16	5,010	31	1.56	7.82	242.28	
				W2	4	16	31	5,030	4,748	278					W2	16	5,030	31	1.56	7.85	243.25	
				W3	4	16	28	3,060	2,782	278					W3	16	3,060	28	1.56	4.77	133.66	
				W4	1	16	20	7,320	7,320						W4	16	7,320	20	1.56	11.42	228.38	
				W5	1	16	17	7,320	7,320		l — — —				W5	18	7,320	17	1.56	11.42	194.13	
	۱۸/		5L	Y/6	3	13	31	720	228	265	228				W6	13	720	31	1.04	0.75	23.21	
	* *		JL																Ī			
				Si	2	16	59	4,590	278	4,310					Si	16	4,590	59	1.56	7.16	422.46	
				83	3	16	31	5,210	278	625	4,310		<del></del>		83	16	5,210	31	1.56	8.13	251.96	1
				- 53	- 1	16	15	7,320	7,320			· · · · · · · · ·			83	16	7,320	16	1.56	11.42	182.71	
				SA	1	16	18	7,320	7,320		l		<b></b>		S4	16	7,320	18	1.56	11.42	206.55	
																٠	·	<u>'</u>	<u> </u>	OTAL	2,127.59	
<b>-</b>																	100					
				W1	5	13	- 13	3,940	avg3,711	228					W1	13	3,940	13	1.04	4.10	5327	<del></del>
				W2	7	16	13	3,990	avg3,712	278	<b></b>				W2	16	3,990	13	1.56	6.22	80.92	L
				WZa	7	16	12	2,750	2,476	278					W2a	16	2,750	12	1.56	4.29	51.48	
ŀ				W3	1	13	12	2,920	2,920				:		W3	13	2,920	12	1.04	3.04	36.44	
l				W3a	1	13	5	1,460	avg1,460						W3a	13	1,460	5	1.04	1.52	7.59	
				W3b	1	13	1	3,270	3,265						W35	13	3,270	1	1.04	3.40	3.40	
l	W	1	6L	W4	1	13	11	2,920	2,920					- ,	W4	13	2,920	11	1,04	3.04	33.40	
				Wła	1	13	: 5	1,460	avg1,460			<del></del> -			W4a	13	1,460	5	1.04	1.52	7.59	
İ				W4b	1	13	1	3,270	3,265		<u> </u>		<del></del>		W45	13	3,270	1	1.04	3.40	3.40	
		&		W5	6	13	44 ·	610	228	152	228				W5	13	810	44	1,04	0.63	27.91	
				,W6	5	13	31	3,160	2,936	228					W6	13	3,160	- 31	1.04	329	101.88	
٠.				W7	5	16	31	3,210	2,935	278					W7	16	3,210	31	1.56	5.01	155.24	1
	W	_	7L	A/8	8	13	13	7,150	2,077	5,077		· · · · · ·			W8	13	7,150	13	1,04	7.44	96.67	
ĺ				W9	8	13	12	7,060	2,031	5,031					W9	13	7,060	12	1.04	7.34	88.11	
											<u> </u>	<u> </u>		<b> </b>				<u> </u>			<del> </del>	
				Si	5	16	25	3,090	278	2,810					Si	16	3,090	25	1.56	4.82	120.51	
1				82	6	13	13	3,320	228	277	2,811	1			S2	13	3,320	13	1.04	3.45	44.89	
				S3	1	13	11	2,920	2,920						S3	13	2,920	11	1.04	3.04	33.40	
			-	S4	1	13	13	2,920	2,920						S4	13	2,920	13	1.04	3.04	39.48	
				S5	5	16	30	2,290	278	2,010					\$5	16	2,290	30	1.56	3.57	107,17	
ľ				S6	6	13	30	2,370	228	127	2011	T			S6	13	2,370	30	1.04	2.46	73.94	
1				57	8	13	8	6,740	avg1,870	avg4,870					\$7	13	6,740	8	1.04	7.01	56.08	
				\$8	8	13	. 8	6,670	avg1,837	avg4,837	l				\$8	13	6,670	9	1.04	694	62.43	
											1		İ					•	Ť	OTAL	1,285.21	

## BAR BENDING DETAIL.



THE REPUBLIC OF INDONESIA

MINITAY OF JUBIC WORLS

DEBUTORATE GENERAL OF WATER PERCURCES DEVELOPMENT

AND DEBUTORATE GENERAL OF HIMAN SETTLEMENT

IRATUREZUNA FLOOD CONTROL PROJECT

COMPORENT: WEST PLOODWAY/QARANG RIVER BUTROVEMENT

APPROACH WALLS ON RIGHT AND LEFT BANKS

REINFORCING BAR ARRANGEMENT

FOR UPSTREAM APPROACH WALL (7/7)

DOWN HIMBON TROUG CONTROL MARKET



