

BAR BENDING SCHEDULE

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	0		®		9		(1)		①	
TYPE			NUMBER	LEAGTH	LI	Li Li	<u> </u>	L4	ی	R
	ļ	ļ		jernj	(Car)	(mrv)	[/पः∤	(prepri)	(frets)	(mm)
P1		22	68	7750	7745 7565					
P3	1	22	12	7,750	1745			-		
P4	3	18	ac	2\$10	279	950	1,050	650	278	
P5 P8		16	58	1,520	275	1050	650 . 278	273		
P2	5	16	12	1,520	Z/b	900	278		<u>. </u>	
P\$	10	16	29	8,300	2178	35.45	2178		Ĺ	1250
P9	7	16	- 58 - 68	1,790	1,750	580				
P11	5	18	23	1520	580	2250	730			
P12	.5	15	33	3,080	580	1750	73C			
P13	1 1	16	32	2,980 3,180	3:80					
P15	 ;	15	30	3440	73C	2713				
P16	10	15	30	5,996	1,168	1625	1,158			1,250
P17	7	15	30	1300	2,203	1790				
P18	5	16	1	1,500	518 278	2,300	580 278			
P20	1	16	9	1,92,00	a-01,9:5					
P21	5	15	g	2,950	278	2,300	275			
P23	5	16	13	2,860 1,360	Z9 Za	2,300 500	Z/8 Z/8			
924	5	18	3	2,720	28	A 2 1,550	Z/8			
P25	1	18	3	1,500	1,560					
P25	-5-	16	5	Z190	279	1,800	278			
P27	5 5	16	6	2,300 1,300	28 25	1,300	Z75 Z75			
229	5	16	3	9,750	\$1 8	5,550	278			
P30	7	16	6	1190	►\$2510	2/8				
P31	5 7	76 16	3	1,270 3,270	276 518	2750	278			
P33	1	16	5	1,250	278	970				
P34	5	18	2	12%	5:8	430	278			
P35	5	16	5	1,350	278 275	806 1,650	T'S	<u> </u>		
P37	3	16	3	230	271	2,300	Z/\$			
P36	5	18	1	1,529	<i>T</i> \$	1,290	273			
P39	5	19	5	1,530	278	1,020	278			
P41	5	15	20	7,340	7,340 278	2,300	Z/18			
F42	1	15	4	7,250	7,250					
P43	5	18	20	2,990	278	1,020	1,050			
P44 P45	6	15 22	. 8 20	4,510 10,200	276 10,195	1,850	1,020	1,660	-	ļ
P46	1	22	30	Q 450	8445					
P47	7	16	4	7,790	7,510	278	L			
P48	7	16	6 2	7,640 2830	8,780 2,150	278 470				
P50	5	16	8	3,300	2310	300	278		 	
P51	1	22	20	9,350	9,345					
PS1a PS2	1	22	14 30	9,350 9,450	9,345 9,445		<u> </u>	ļ		
P529		22	14	8,450 8,450	145 145		 		 	 -
P53	7	18	3	8,096	7,510	530				
P54	1	19	1	7,530	7,520					
P55 P58	1	16	3	1,646 2,196	1,540	ļ			 	
P57	5	16	3	860	Z/5	300	278			
P56	1	18	2	1,950	1,545				L	
P59		16	12	1,950	1,545					
Fi	7	16	17	4.300	1,296	3,720				
F2	1	16	15	12,000	12,000					
F) F4	7	16	15	4,300 8,360	1/20 7/8%	1,200 580			 	
F5	7	15	12	4340	1290	580	 -			
F5	1	16	9	U/SX	1,780	·				
F7	5	15	3	3410	550	2,250	580			
F8	1 1	16	4	2,435	2,160				L	L

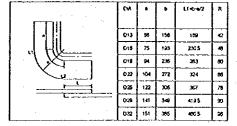
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TYPE	SHAPE	DA	NUMBER	18/czн	Į.	12	U	L4	LS	R
		_		(mm)	(cren)	(mm)	(nn)	(meta)	(mm)	(mm)
F11	7-	16	25	1,350	1,360 580	1,190		 -	 -	 -
F13		16	19	2590	1,320	890	580	<u> </u>	 	
F14	1	16	19	1,360	1,800					ļ
F15	5	16	v v	7,330	580	5,550	1,200		<u> </u>	
F18		16	- 7	10,000 2,180	2150				 	
Fx8	7	16		1,370	580	730		ļ		
F20	9	18	3	1,520	1,172	652				
F21	. 8	16	3	3,140	1320	1,140	680		ļ	
F22		16	- 8	3,390 3,160	1,320	1,350	680	ļ	<u> </u>	 -
F24	1	16		1,960	1,530				 -	
F25		16	- ;	2,160	2160				<u> </u>	h
F26	. 8	16	5	10,170	1,320	7,650	1,200			
FZ	- 5 -	16	54	7,020	580	\$140	1,720	ļ	ļ	<u> </u>
F25	7	16	17 51	5,540 10,000	1,205	4,630		<u> </u>		
F30	7	16	61	\$540	1,205	4,530	_			
F31	7	16	44	\$,540	905	4,530			 	
F₽	-	<u> 5</u>	147	7,880	7,875	ļ				
F33	5	25 15	147	7,890 1,010	7,675 278	450	203		ļ	
F36	7	16	10	BOND	Z1	1)30	23			
FÆ	7	×s	94	8,010	276	1730				
137	7	16	<u>61</u>	4,530	470	4,260				
F36 F39	7	¥6 ¥5	59 59	7,500	7,220	Z)		<u> </u>	Ļ	ļ
F40	1	-6	45	2880	4,000 2,880				├ -	
F41	1	16	41	8,000	9,000				·	
FQ	1	16	41	1,900	1900					
FA		16 18	3	4,200	1710	580		<u> </u>	ļ	
F45	5	70	3	1,260	1,260 580	(500	550		 	<u> </u>
F46		15	3	1,290	1,260					
FQ	5	16	3	2,750	580	1,500	590			
FCs F49	5	16		2,160	275	1,600	E3		 	ļ
F49		15	3	1,290	1,250 580	1,700	586		}	<u> </u>
F50	7	16	10	840	840				 	
F51	5	10	6	£335C	271	6,36C	278			
£2.	7	16		1,020	2740	278				
F53	5	16	2	8.530 11,470	11,00	7,380	680			
F 55	7	15		9,740	5,000	680	ļ -	 -	-	\vdash
F 58		16	13	4140	3,500	5#0				
157		15	3	1410	1,110	 		ļ		ļ
F58	5	16 16	3	£410 2.450	5200	1,200	680	ļ	 	
F5%a	5	16	10	2590	580	1200	680	-		i
FED	. 1.	16	12	1,250	1,260					
F\$t	7	18	12	2640	2,560	71				ļ
F53	7	16 16	5	7,136 1,380	328	6,660 518	278	-	 	
F64	1	75		3,500	150			$\vdash -$	_	
F:55	5	18	147	2,430	278	1,925	275			
F66	7	16	. 14	9,570	9,360	78		ļ	ļ	
F67 F68	-;	*8 16	- 5	7,525 2,180	7,520 2,160					-
F68	-	16	5	10,220	10,220			-		 -
F70	1	16	2	4920	450					
F7Cq	\$	15	5	2110	278	1,500	76			
F71	5	16	33	1,880	278 278	1,325	278	-		}
FTZ	5	8	-:	1,820	Z78	1,085	275			ļ
F73	5	*8	25	2,480	278	1,925	278			
F74	5	\$5	6	2,030	278	1,05	73	<u> </u>	L	
F75		15	24.1 34.5	740	740 740		 	 	<u> </u>	}
FIT	7	15	20	7,570	7,540	330	 -		l	

BAR WEIGHT

TYPE		LENGTH	MUNBER	NEG4T	WEIGHT	WEIGHT	SHAPE
	(m=)	{mm}		PER™	PER*SAR	((G)	
				(kg)	(%g)		
21	22	7,750	58	354	23.56	1,902.08	
P2	15	7,570	12	156	1181	14171	
P3	22	7,750	12	304	23.56	28272	
P4	1≷	2,510	.80	156	454	Z7238	
P5	16	2,250	60	1.56	353	21154	
P6	18	1,529	58	156	2.37	137.53	آ آ ۔۔۔۔۔ا
PI	16	1,520	12	156	2.57	28 45	
F8	15	8,000	29	158	1243	35192	
₽9	16	4,330	58	156	4.75	391.78	
P10	16	1,750	髮	156	275	186.79	-
Pii	16	3,560	33	156	556	18327	- L
PIZ	16	3,080	33	1.56	1,77	157.53	L
PI3	15	2,160	32	156	3.37	107 83	
P 14	15	3,60	32	156	433	157.75	
Pis	16	1410	30	156	537	180.39	
P 16	18	5,360	30	156	9.30	278 93	
817	95	3,990	30	156	5 <i>2</i> 2	186,73	
P:s	16	1,500	1	1.56	250	250	L. I
P13	16	2,860	1	1.56	46	4.45	
P20	16	1,929	3	1.56	300	25 95	
921	16	Z,890	9	1.56	46	40.15	
977	15	2,350	13	156	4#	58.00	
P23	18	1,390	4	158	212	149	
F 24	18	2,220	3	156	146	10.30	
P25	18	1,580	3	156	243	7.30	
F36	16	2,160	5	156	337	15.55	
627	16	2,390	4	1.56	353	1423	
P28	15	1,860	6	156	230	1741	
P29	16	9,750	3	1.56	1521	45.83	<u> </u>
P30	16	3,190	8	156	436	25.85	
P31	18	1,270	3	156	198		
P32	16	3,270	4	1.58	510	554	
P33	15	1,250	2	1.56		· · · · · · · · · · · · · · · · · · ·	
					195	190	\-
P34	15	1,290	?	1,56	2.00	199	
P36	16	1,360	8	155	212	1273	<u> </u>
P35	16	2,210	5	155	16	17.24	<u> </u>
Py	16	2,860	3	155	446	1338	<u> </u>
P36	16	1,820	1	1.56	2.54	2.84	<u> </u>
P36	16	1,560	4	1.56	248	185	!
P40 !	19	7,340	5	158	1145	57.25	
P41	16	2,360	20	1.56	145	89 23	<u> </u>
P42	15	1,250	4	1.56	1131	4524	
243	16	2,20	20	156	452	9235	
P44	18	450	6	156	7 19	57.53	
P45	22	10,200	23	304	31 01	520 18	
P#6	12	9,450	30	364	25.73	86154	
P47	16	7,790	4	1.56	1215	48.51	
P43	15	7,040	5	1.56	10.96	95.89	
P43	16	2,520	2	155	4.09	\$ 17	
P 50	16	1,390	6	1.58	5.29	GH.	
£51	22	9,350	20	154	28.42	568 48	
P51a	22	9,350	16	354	21.42	36734	
P52	22	9,450	3C	304	29.73	86154	
₽52±	22	9,450	14	304	25.73	40219	
P53	16	8,000	3	156	12.52	37.86	
£54	19	7,520	1	225	16.92	16 92	
P 55	16	1.64C	3	156	2.57	£61	
F 56	18	2,180	3	156	39	10 11	
257	16	860	3	1.56	134	405	<u> </u>
P58	75	1,350	2	1.56	354	606	
P 50	16	1,363	12	156	364	38 50	
Fi	16	4,320	17	156	758	130 48	
F2	16	12,360	15	156	15.72	290 50	
F>	16	4,520	15	1.56	7.88	11513	
F4	16	6,390	1	156	13.00	13 (38	
F5	16	4,540	12	1.56	755	9C 8O .	
F5	76	1,790	1	1.56	275	2471	
F7	16	3,410	3	1.56	\$32	1536	
FB	16	2,480	4	1.56	337	1349	
FB	15	4,580	44	1.58	7.30	32126	
F10	18	5,240	28	1.50	L17	21253	
_					-TOTAL	10,79001	·····
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TYPE	0A	LENGTH	NUMBER	VEGHT	WEIGHT	THOGSY	SHAPE
	[mm]	(m2m)		PER'N'	PER*ZAR*	(kg)	
1	1	ł		(kg)	(40)		
Fit	15	1,380	26	156	212	55 16	
F12	16	1,779	32	1.56	275	89.36	
F13	16	2,590	19	156	464	79.77	
FIA	15	1,860	19	156	230	55.13	
F15	16	7,330	27	158	1143	30474	
F18	18	10,000	7	156	15:50	109.20	
£17	16	2,160	3	1.56	337	1011	
F18	16	1,370	3	158	214	6.41	
F20	16	1,520	3	156	254	8.52	
F21 F22	16	1390	8	156 156	4 90 5 29	14,70	
F23	16	1,160	1	156	433	4231	
F24	16	1,800	- 1	156	259	22.72	
F25	15	2160	3	156	337	10.11	
F25	18	10,170	5	156	15.57	7933	
F27	18	7,020	14	158	10.95	153.32	
F25	16	5,840	17	156	911	154.58	
F29	1:8	10,000	81	156	15 30	951.90	
F30	16	5540	81	1.56	211	553.73	
F31	16	5,540	44	1.56	854	380.27	
F32	25	7,330	147	3 56	31 36	4,810.27	
F33	25	7,380	107	39E	31 36	4,510.77	
F34	18	1,010	2	156	158	315	
F35	16	6,010	10	158	12.50	12436	тт
F36	16	8,010	14	1.56	12.50	174.94	
FSF	18	4,530	61	156	107	431.57	
F 38	18	7,500	59	156	11.79	86930	
F39	18	4,000	59	1.56	6.24	368.16	
F40	16	2300	45	1.56	142	202.18	
F41	15	9,000	41	1.56	14,04	57554	
FQ	15	1,900	41	150	658	243 62	
F43	16	4,29C	9	156	699	5023	J
F44	16	1,250	3	1.56	1.97	590	
FES	16	5,960	3	155	9.30	27 89	
F45	18	1,290	3	1.56	157	530	
FE	16	2,760	3	1.58	431	12.32	
F-C+	16	2180	6	1.56	337	2022	L1
F48	16	1,260	3	1.55	137	590	
F49	16	2,890	3	156	446	13.38	
F 50	16	540	10	1.58	131	13.10	
F51	15	6,920	6	155	19.50	54.77	
F 52	15	1,030	6	1 55	471	20 27	
F53	18	8,530	2	156	1331	25 81	
F54	16	11,479	2	158	17 89	35.79	
F55	15	8,740		1.56	1519	60.78	
F 56	15	4143	13	1.56	6.46	£3.36	
FS7	15	1,410	3	156	229	6.96	
FSE	15	1,410	3	158	220	8.90	
F 59	16	2.460	3	156	354	1151	<u> </u>
FSGs	16	2,500	10	158	199	3934	
F60	1/5	1290	12	1.52	197	23.59	
F61	13	2843	1 12	1.58	16	53 16	
FEZ	13	7,520	- 10	1.56	11.42	114.19	}
F63	18	1300	5.	156	602	30.11	
F64	16	3,590	147	156	550	22.40	
F55 F66	18	9,570	14/	1.55	3.57 15.09	55871 21119	
F62	15	7,520	- 15	156	11,73	58.35	
F58	16	2,180	3	156	37	1348	
Fag	15	10,220	3	1.56	1594	79.72	H
F79	18	4,520	2	156	7.52	150t	
F70:	15	2110		158	329	658	
F71	16	1,580	33	1.58	253	95.78	
F71a	13	2140	3	156	334	1C 02	
F72	18	1,620	4	155	253	10.11	L
F73	18	2,480	25	1.55	357	96.72	
F74	16	2,030	8	158	317	19 00	
F75	16	740	244	1.56	£15	26157	
F75	15	740	145	155	£15	170.85	
F77	15	7,970	32	1.55	12.43	397.55	
F78	18	9,390	18	156	14 85	234.37	
		1	l	l	L		
					3-FOTAL	18,171.14	
				T	OTAL	53,329.91	

BAR BENDING DETAIL



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THE REPUBLIC OF INDONESIA

MINISTRY OF PUBLIC WORKS.

DERECTORATE GENERAL OF WATER RESOURCES DEVELOPMENT
AND DERECTORATE GENERAL OF RUMAN SETTLEMENT

AND DERECTORATE GENERAL OF RUMAN SETTLEMENT

WHICH ISSUED BY BOTHOUT IN

SEMALACO IN THE REPUBLIC OF PROBES.

WEIR PIER, GATE FLOOR SLAB AND APRON NFORCING BAR ARRANGEMENT FOR END PIER (14/15)

SEMAKANO CITY

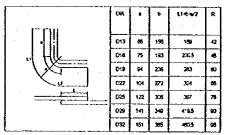
BAR BENDING SCHEDULE

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	0		0		(3)		•		(3)		Ì	ł	0		2		3		•		(3)
		•							u			1	. e	٠.								
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1		1	<u> </u>	ゴ゛く		∏3 €	-1	∐∍ ⊑	-			11		1,		ቻ (Ţ]a		[]3		1)
	`6		0		(8)		9		(1)			İ	(6)		0		(8)		9		(0	
TYEE	SHIPE	F. 104		LENSTH	T u	Lú .	1 10	u	ی	T A	ł	TYPE	L	1	NUMBER	1	,		·			
	1	"		ine)	Imm)	arran)	(mm)	(500)	\$TEN)	(mm)	ł	""	3200	<u>۱</u> ۳	MONSER	LEWATH (mm)	E1	(n-1)	L3	1.4 (mm)	1.5	R
Ci	-	122	25	9,710	9200	1	1 7 7		177	1 7	ł	030	5	15	12	7,400	410	8.520	\$100 410	Unity	(mm)	(trans)
CZ	 ,	1,8	12	45%	4,090						{	034	5	22	20	7,470	451	5,572	451	 -		 —
63	2	25	12	8,575	e,ma	513	750		<u> </u>	360	1			†	 	····	 	-	\vdash	-	-	
C4	,	:6	1-UD	2140	1,012	400	1,250	400	278		1	Wi	1	22	22	1750	136		-	<u> </u>		
C5	5	18	80	1,520	2/8	996	275				1	W2	ī	16	12	7,523	7.955	<u> </u>		Ī	_	
CS	<u> '</u>	15	•	360	950					<u> </u>	ļ	143	1	25	12	72-C	1,635			Ι.		
C7	1.4	16	1 1	1,950	278	1395	778		<u> </u>	ļ	•	W4	3	16	123	203	2.8	400	1,257	400	7/8	
CØ	<u> </u>	22	- 55	\$200	6,000	ļ	<u> </u>	<u> </u>		ļ		W5	5	1.5	116	1,520	278	\$60	Z'8	<u> </u>	<u> </u>	
Ce	<u> </u>	16	12	4,253	4,250			ļ		L.	Į	W5	5	15	12	1520	273	990	275	.	ļ	<u> </u>
C10	3	16	100	1,540	1,012	813 850	650	660	_	390	-	W7	<u> </u>	16	30	8,390	6,360		ļ	ļ	ļ	<u> </u>
C12	,	15	80	1,520	Z9	960	1,050	880	Z/s	 	ł	We sw	1	16	30	10,000	2,560		-	<u> </u>		<u> </u>
CIS	 	15		980	290		2/3			-	ł	W10	5	18	25	1,500	2/20	800	278	 	<u> </u>	
	一	··-	`-			 -	 -		-		ł	W31	-	18	29	436	4,080	27		1		
91	,	25	40	7,300	6,533	Q1	<u> </u>		ļ. -		l	W12	,	16	30	8,290	5.990	730			 	
D2	,	25	40	7,30	6/33	4h					ĺ	1913	1	16	22	2,180	2 20					-
E3	1	25	. •	2,5.0	21/35	4 51	i			1	1	W:4	5	15	33	1,90	580	2.250	730			
D2	7	22	40	4120	3,506	451	Ì			i		W15	,	15	34	1,790	1250					
CS	1	72	40	E/m3	2.00							V):16	,	:5	13	£350	75:0	580				
C6	1	18	2	2,50	2.654							W17	5	15	38	2,00	278	1,770	₹78			
D7		16	2	3,290	2,154	529	518		<u> </u>	<u> </u>		W:8	5	18	24	2,380	275	1,000	T)			
D8	<u> '</u>	16		3,572	3,955		<u> </u>		ļ	ļ		W18	5	15	•	1,550	278	1,300	278		ļ	
09	 "	15	2	4,500	3,300	586	5:8		<u> </u>	<u> </u>		W20	5	15	5	2274	273	1,450	278	ļ	·	
D11	3	22	- -	3,450	हा हा	2,647	572	250	451	ļ	l	W21	7	18	2	£110	276	5,900	278		ļ	
D12	+-	25	-	2,500	2,600	2770	-		 		•	W23	<u> </u>	18	5	8,520 5,520	5,20	8.540				\vdash
013	5	25	6	4273	Ø1	3,296	471		 -	-		WZ	7	15	1	4373	278	4,530		\vdash	<u> </u>	_
Đ14	5	25	3	2,500	471	1215	es.					WZ	5	18		2,810	278	2,250	2/8		-	
D15	١,	25	6	2,730	2,706	l						WS	7	16	1	1,380	<i>2</i> 78	1,080		<u> </u>		\vdash
D16	5	25	3	1,990	6 1	915	471		<u> </u>	1		WZ	5	16	v	2.160	278	1,530	Z/S	ļ	<u> </u>	
017	1	8	•	2,700	2,700]	W28	,	16	6	7.290	Z3	8,815		1		<u> </u>
0:0	5	25	_ •	23-3	Q3	1,936	61			<u> </u>		W22	1	15	12	6.520	8,220					
019	5	25	•	2,160	627:	1,216	471		<u></u>	<u> </u>	Į	W30	1	25	36	\$,60	9,445					
023	<u> '</u> _	25		2,700	2,700		ļ	ļ	<u> </u>	ļ	l	M3:	t	25	28	4,200	400	ļ		<u>L</u> _	<u> </u>	
021	5	22	20	7,00	-61	6,572	451			ļ		W32		25	3	7,520	7,5:5			<u> </u>	<u> </u>	
022	3 5	16	32 12	8,950 7,400	4:0	2730	580	2730	450	ļ	l	W-23	1	25	# # H	4,500	4,500			ļ		
02	,	16		7,000	4:0	2,500	580	2,530	410	<u> </u>	l	1434 1435	1	18	3	8,620	8,520	<u> </u>				<u> </u>
03	1	25		240	2,000	16.0		25.0	410	ļ	l	W75		22	38	1,60	1.530	-				
628	3	22		7,125	4 ≪1	2,022	577	2,522	4 51	\vdash	1	ענא	1	22	29	1,380	7,355					
027	5	72		3,520	451	2,722	451			-		W.38	<u> </u>	22	7	1,60	1,46		ļ- -			
Ç26	5	72	•	4210	41	3,256	6 73			 		W36	5	15	4	2,380	Z/S	1,800	276	 - -		
03	5	22	,	2,850	471	1,915	Ø)				ĺ	W40	1	18	•	6,280	6,960					\vdash
030	5	n	,	1,790	4D	815	47)					Wet	1	16	12	1,60	1,46			1		<u> </u>
031	5	22	•	2,570	4 51	1,972	45 1]	we	5	16		1,380	278	500	273			
0.02	3	22		2,150	6	1,218	ଣ					W4	,	15	,	2,750	2.00	<i>T</i> 4			-	
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1									\ <u>\</u> \\ \	-+		2	304	2356	1225.12	
No. 18	CS :		1,520	90	1.5	2.37	108	السيا	W	<u> </u> %	1,5%	12	155	11.51	141.23	
Column			990	4	155	1.53	812	-,	W3	25	7,540	12	3.58	34.20	T44	
		-			1.56	3.04	1217		W4	1/5	240	120	156	1/5	451.15	
	C6	22	9,030	68	324	27.36	1862.46		WS	18	1,520	116	156	2.37	275/05	<u> </u>
Column C	အ	16	4,050	12	1.55	6.32	75.25		V-5	16	1,53	12	1.56	2.17	2º-65	
Col	C10	22	9.990	12	304	30,04	360.40		l w	15	5,320	30	1.36	\$£\$7*	299:05	
Column C	C11	16	3,540	120	1.55	598	567.64	Г	We	16	10000	30	1.56	15.50	46830	_
	C12	16	1,526	60)	196	2.37	142.27	LJ	Ws	16	2,50	30	1.56	451	125.25	
No. 1.5 1.20 1.00 1.5 1.20 1.0	C13	15	980	4	158	1.53	. 612		Wx	15	3.500	25	1.56	622	15413	
No. 1.5								I	W1	18	4,340	25	155	6.77	17563	
	01	ಶ	7,300	•0	3.98	29.05	16218		Wit	16	6,20	30	156	95:	. 25137	
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No. 1	Ç3	25	2520	40	3.28	1043	417.10		Wi	15	3,380	33	1.56	5.55	18327	
No. 10 10 10 10 10 10 10 1	04	22	4,120	40	304	1252		i	{ }			}		 -		
Column C	05	22	8,410	40	304	25	¥227.65		W×	16	8,390	ļ ·		J	 	1
No. 14 130 2 156 559 1315 13	DE.	16	2.550		1.56	415	-		∙	+	2.50	36	1.56	3/8		
No. 15	C7	16	3,50		156	513	10.26	-	▎┝	+-	+ -	ļ	<u> </u>		 	
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067 22 1260 9 364 1100 9604	_	\vdash							l . }	-1		25	3.5x	1064	325.55	
028 22 420 5 304 1220 75.79 1 75.79 <td></td> <td></td> <td></td> <td></td> <td>304</td> <td>21.54</td> <td>86.56</td> <td></td> <td>W3</td> <td>22</td> <td>7,330</td> <td>29</td> <td>351</td> <td>22.0</td> <td>649.56</td> <td></td>					304	21.54	86.56		W3	22	7,330	29	351	22.0	649.56	
Cop Z2 2,550 3 3.50 8.55 2,505		\vdash					9504		W3	22	9,450	7	301	28.73	201,10	
030 22 1760 3 324 5.35 3405	D28	22	420	6	3.04	1230	75.79		Wa	16	2,350	4	1.58	3.88	1473	
030 Z2 2.570 9 3.04 8.72 78.52 L J WQ 16 1,200 8 1.25 2.12 16.57 L J WQ 16 1,200 8 1.25 2.12 16.57 L J WG 18 2.790 3 1.26 4.29 1.29 J WG 16 1,500 29 1.55 2.66 71.46	COS)	Z2	2,550	3	300	£5	25:08		W4	16	6,390	9	1.55	10.89	98.20	
022 22 240 9 3.34 657 5849 L J WG 18 2750 3 125 429 1227 J WH 16 1560 29 155 2-6 71-6	000	22	1,760	3	304	5.35	1825		Wet	15	8,60	12	1.95	13:8	152.18	
WM 15 1500 29 155 26 716		z	250		3.04	, 872	76.52	<u> </u>	WC	15	1,360		1.55	212	16.57	
	CX	22	2190	9	304	657	59,10	لبا	We	18	2790	3	1.56	129	1257	
9.8-TOTAL 1234.11 9.8-TOTAL 125.654									W+	16	1,580	29	1.55	26	n.e	
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BAR BENDING DETAIL



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٨	NAME OF THE PARTY.	DESIGNED	CONTRACTOR		REVISIONS	kev		A DATE	340.
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THE REPUBLIC OF INDONESIA

MENISTRY OF PUBLIC WORKS

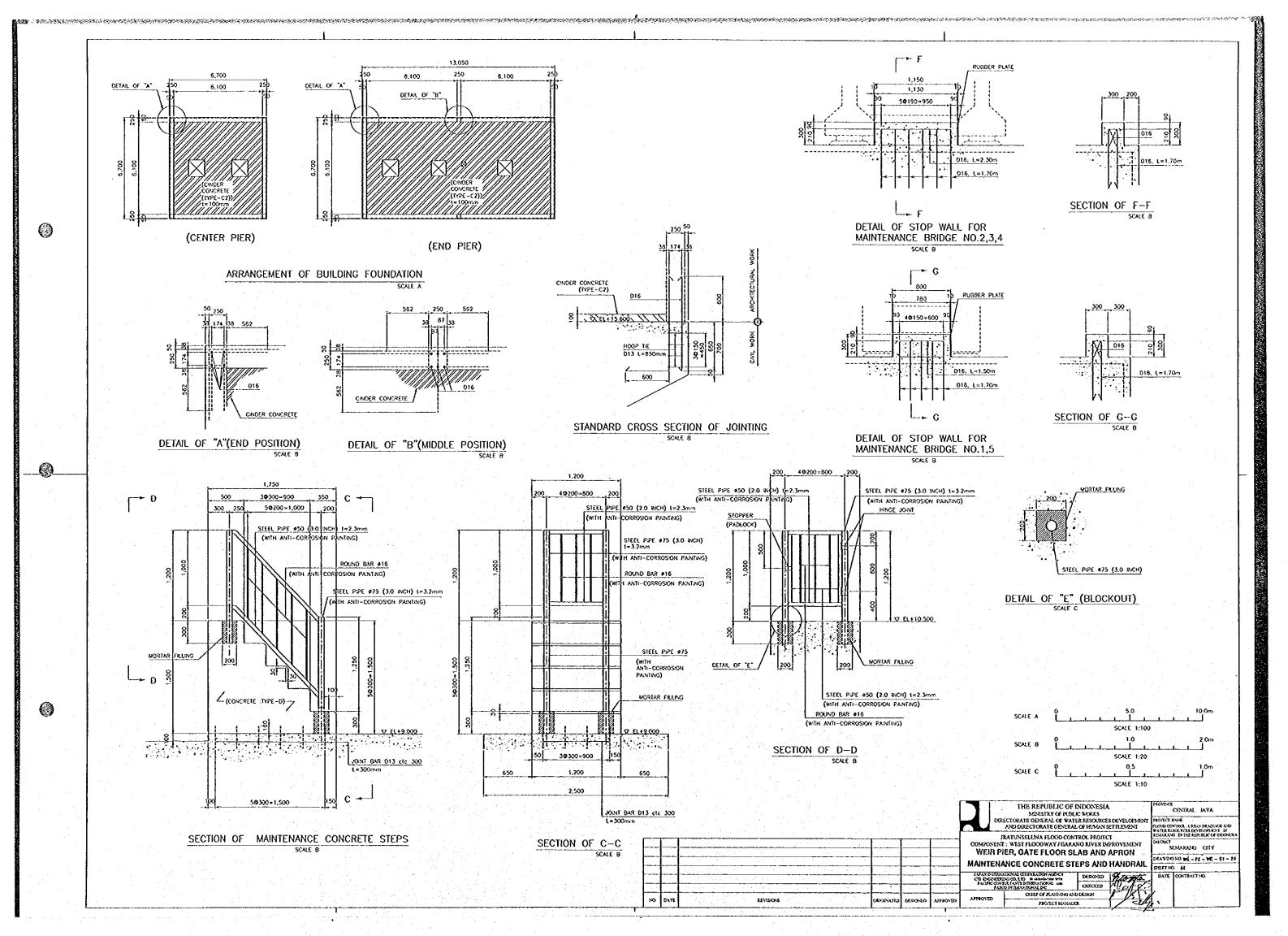
DEBUTORATE GENERAL OF WATER RESOURCES DEVELOPIES

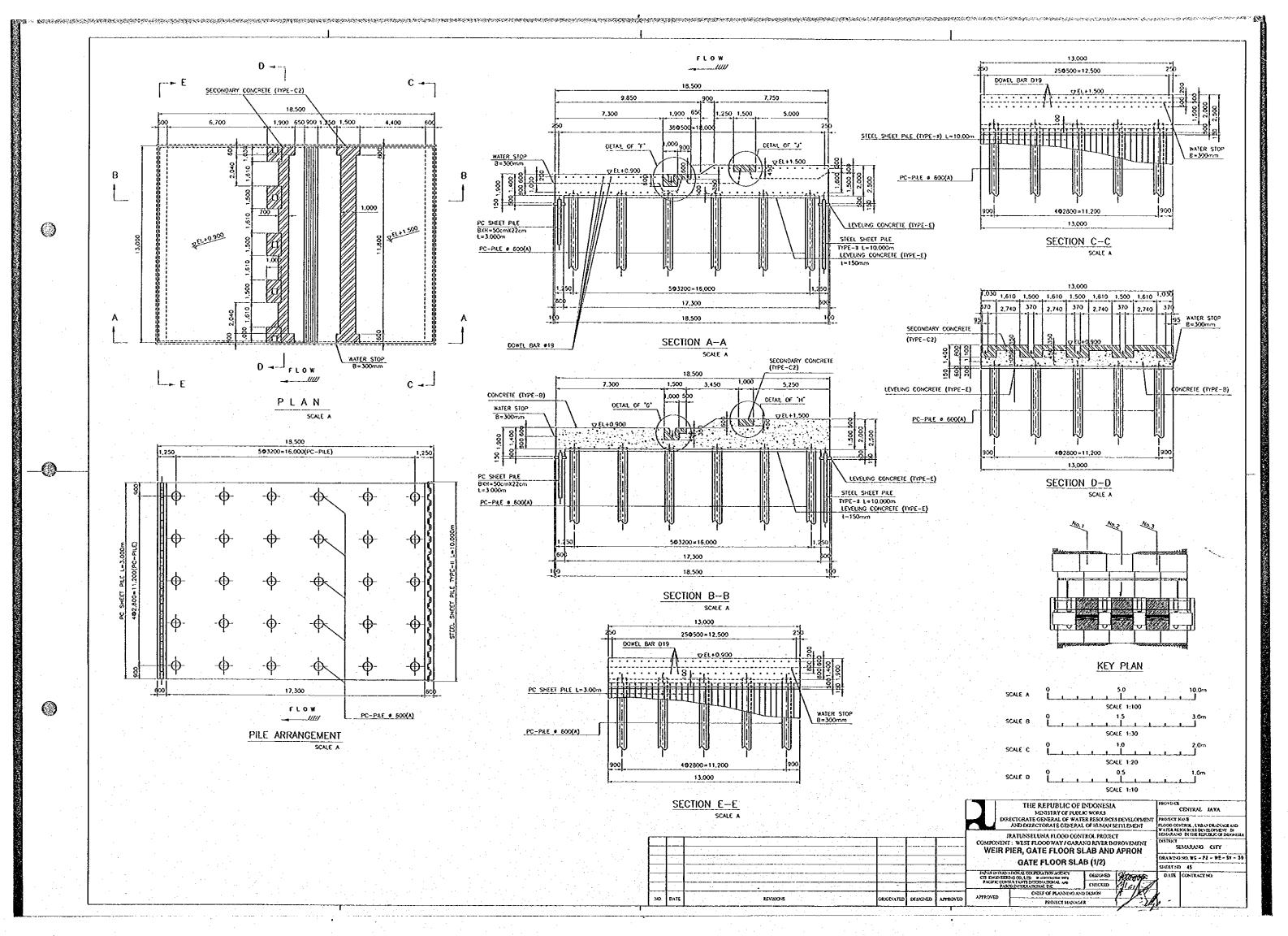
AND DEBUTORATE GENERAL OF HUMAN SETTLEMENT

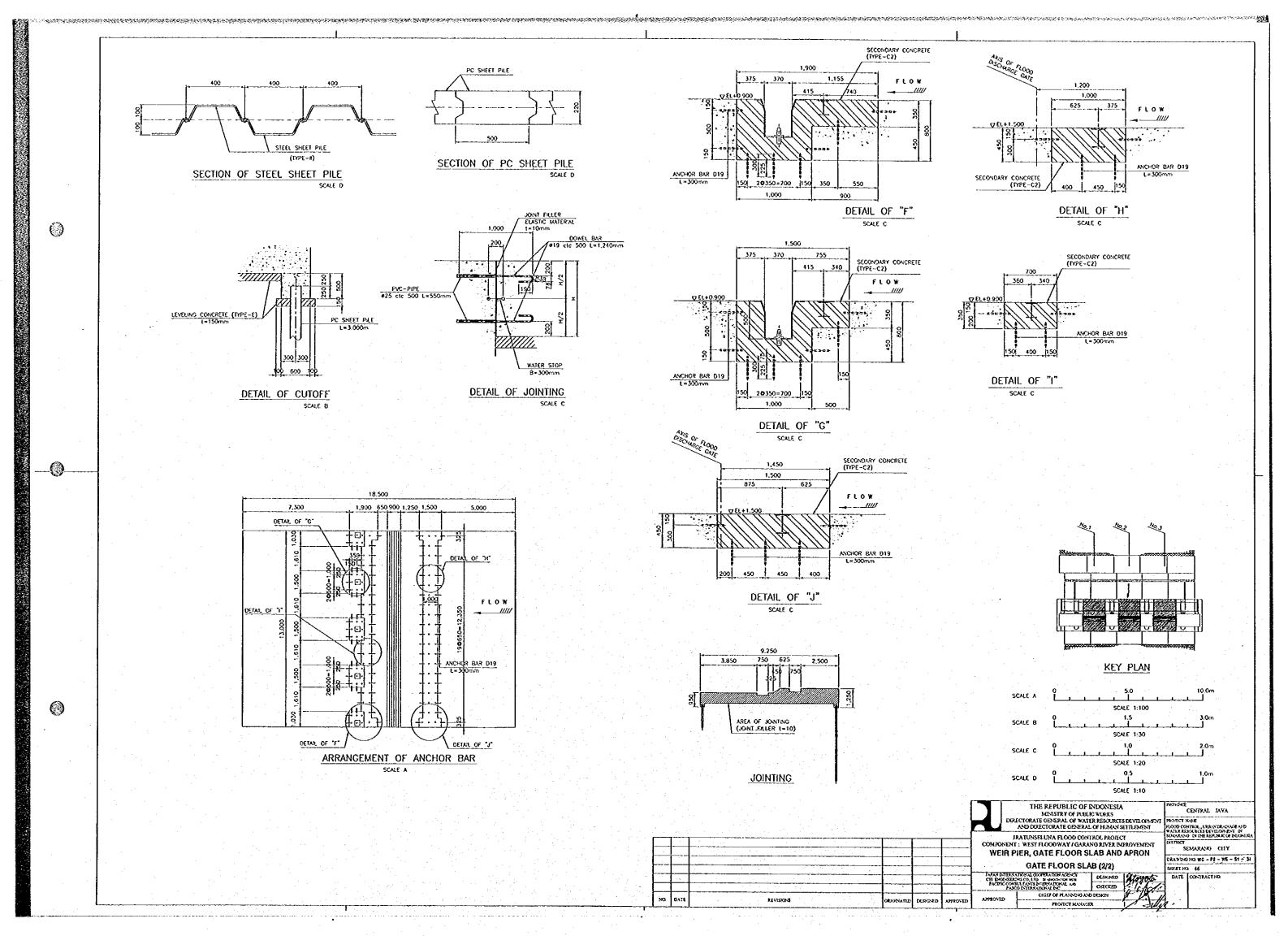
raturseluna plood control project omponent: West ploodway/garano river daprovement Weir Pier, gate floor slab and apron

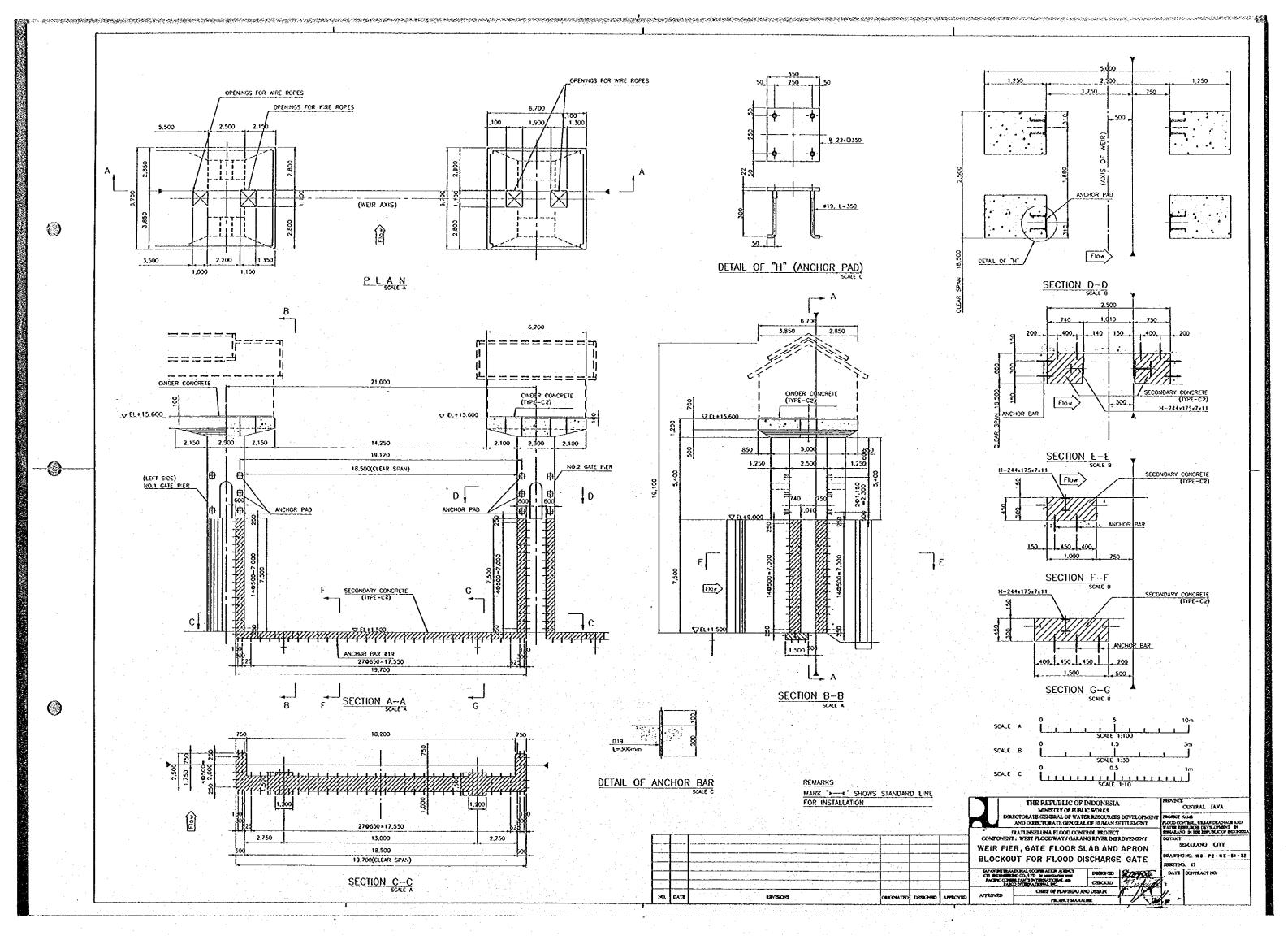
REST NO. 43

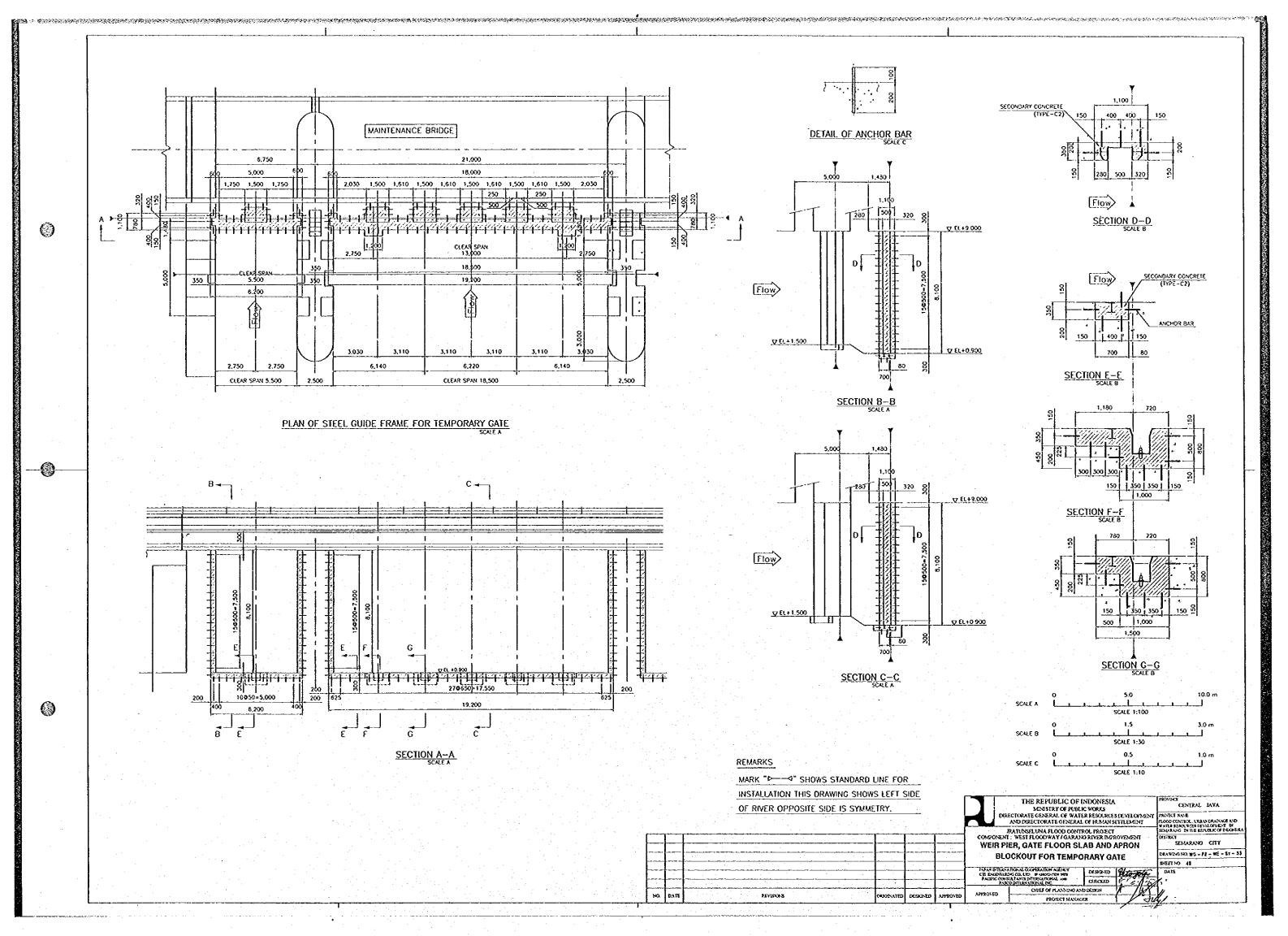
URAWNGNO, WS-P2-WE-Rs-26

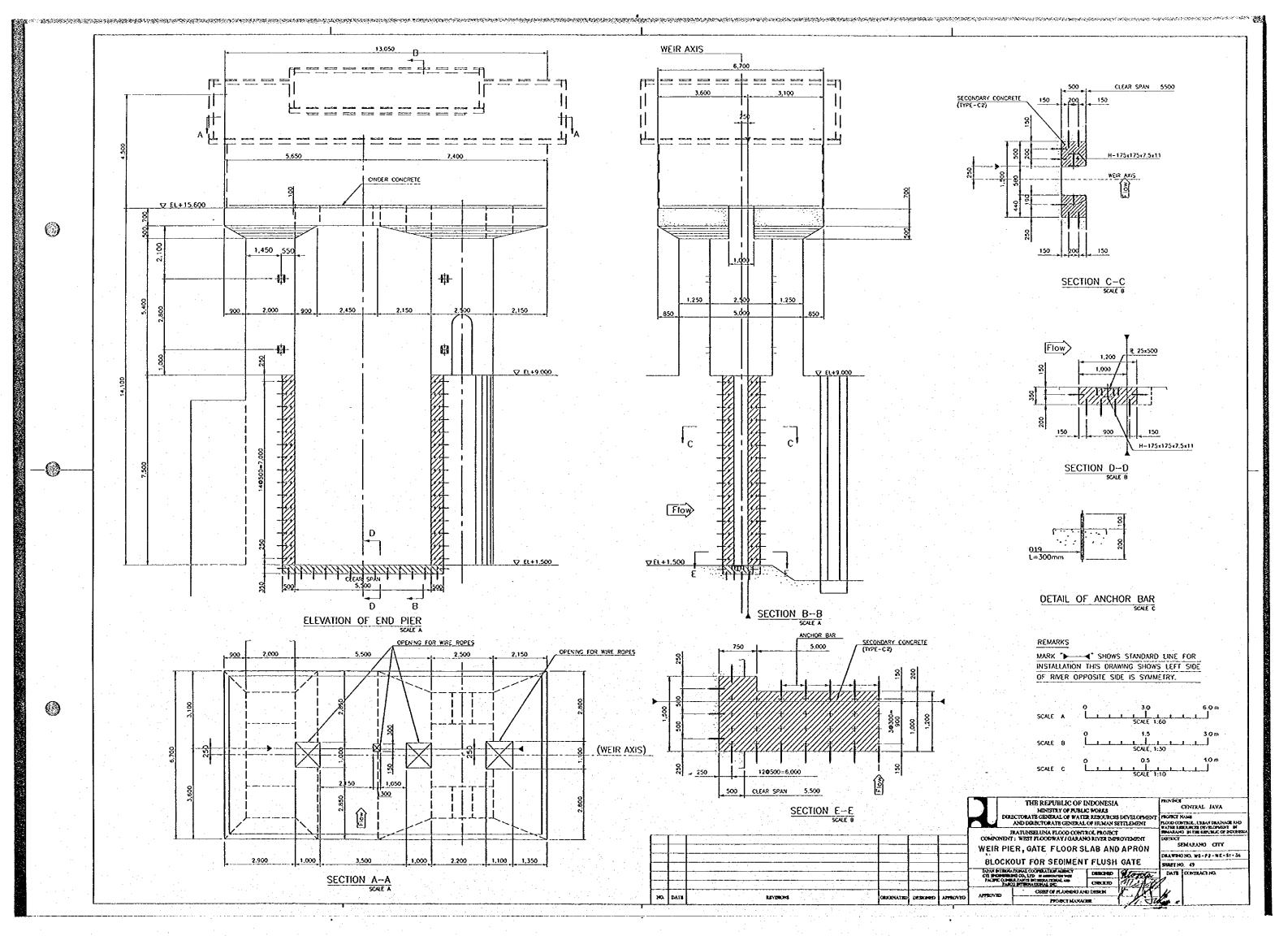


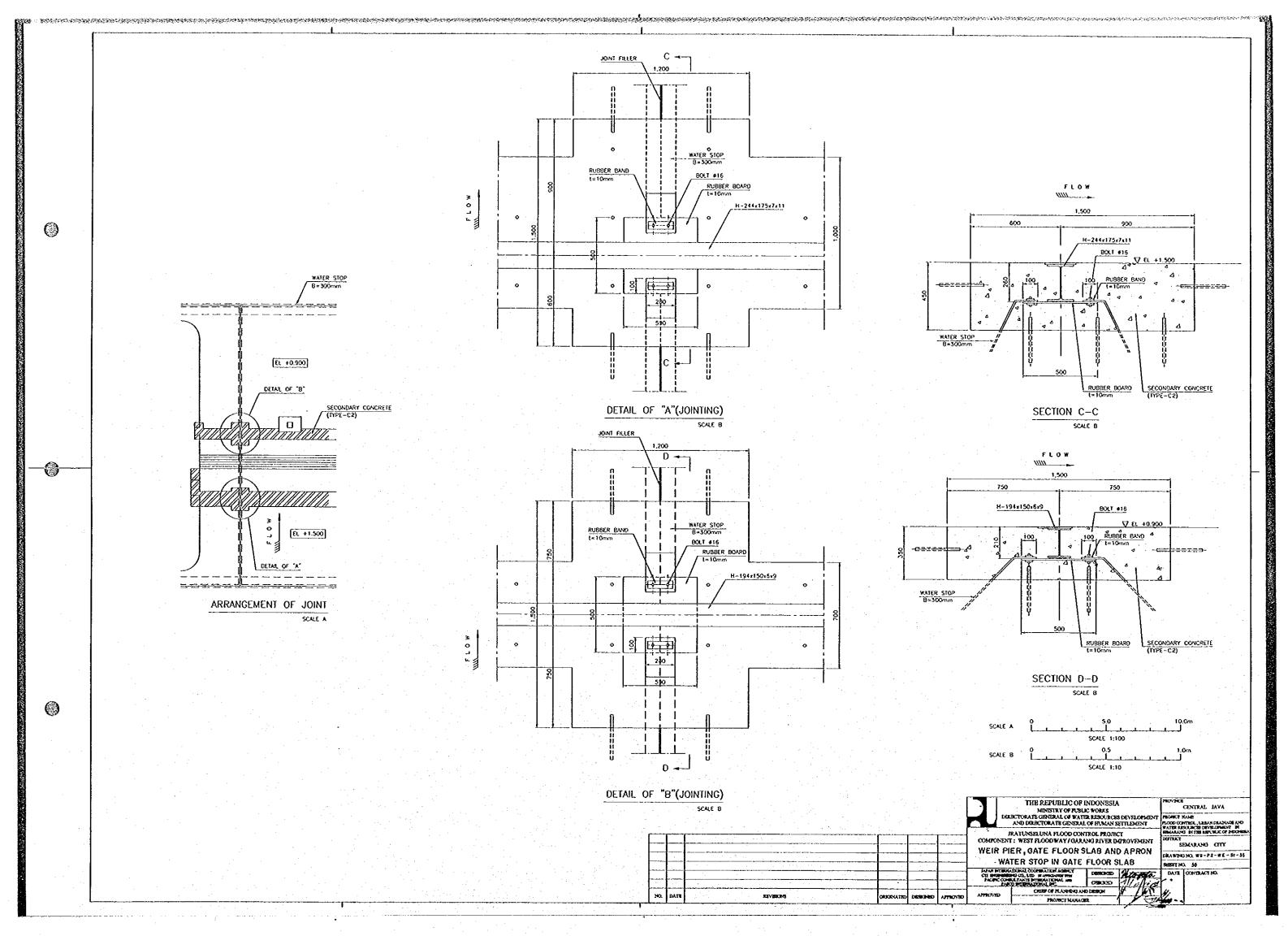


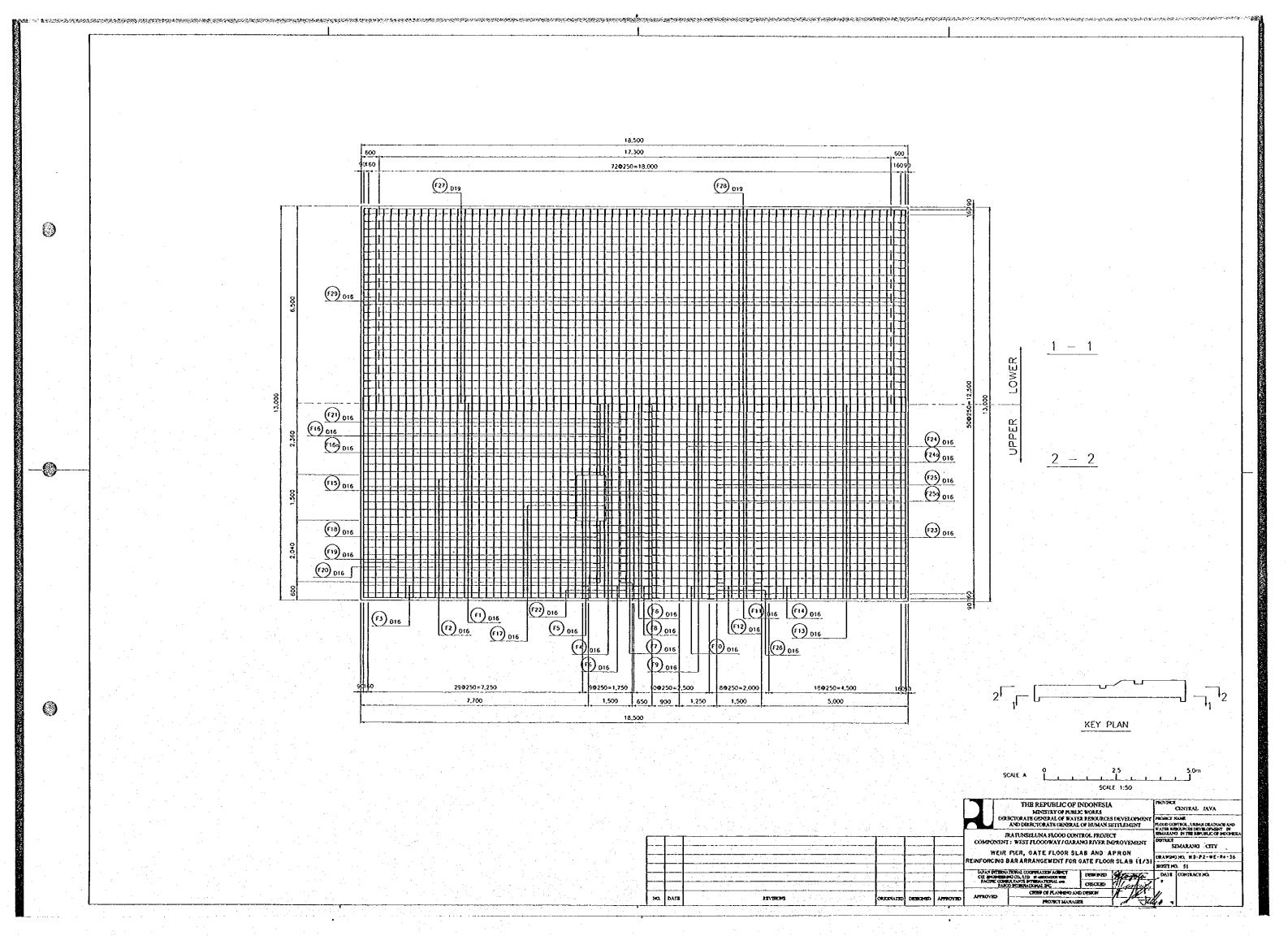


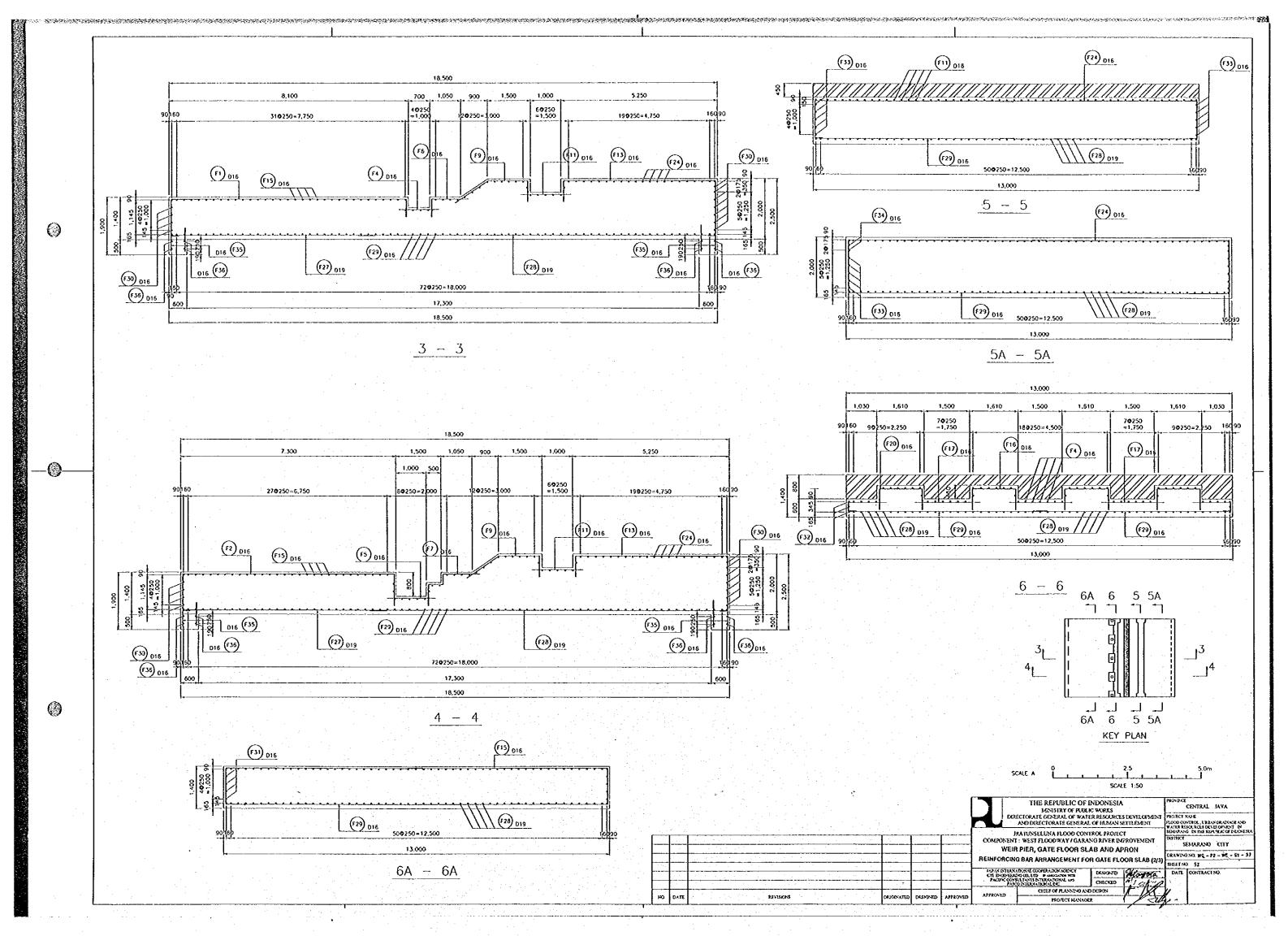






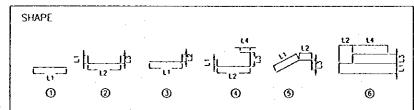






BAR BENDING SCHEDULE

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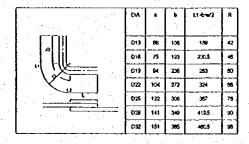


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TYPE	SHAPE	DΙΑ	NUMBER	LENGTH	Ł1	L2	L3	1.4	L5	R
L		L	L	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
F1	4	16	35	9,890	278	1,125	7,900	580		
F2	4	16	12	9,530	278	1,125	7,100	1,030		
F3	4	16	12	9,480	278	1,125	7,500	580		
F4	1	16	35	1,360	1,360					
F5	1	16	12	1,660	1,560					
FS	1	16	4	1,660	1,660					
F6	3	16	35	1,770	580	1,190				
F7	6	16	12	2,630	680	430	330	1190		
F8	3	16	6	1,370	580	790				
F9	5	15	47	3,400	1,322	1,400	690			
F10	5	16	6	3,150	1,322	1,150	690			
F11	1	16	47	1,660	1,660					
F12	1	16	5	2,160	2,160					
F13	4	16	47	7,730	680	5,050	1,725	278		
F14	. 4	16	6	7,730	680	5,060	1,725	2/8		
F15	2	16	66	8,240	278	1,325	6,640			
F16	2	16	1	5,840	680	4,430	680			
F16a	. 5	16	3	6,540	1,000	4,480	1,030		i	
F17	1	16	- 8	2,160	2,160					
F17	1	16	6	2,160	2,160					
F18	2	16	4	3,450	1,030	1,840	580		: 1	
F19	4	16	2	4,970	1,000	2,440	1,225	278		
F20	4	16	2	4,170	680	2,440	775	278		
F21	2	16	4	7,690	278	775	6,640			
F22	2	16	6	1,980	278	775	930			
F23	3	16	2	6,620	6040	580				
F24	2	16	43	8,640	278	1,725	6,640			
F24a	2	16	8	8,540	278	avg 1,625	6,640	l		
F25	3	16	8	6,720	6,040	630	·	<u> </u>		
F25	1	16	4	6,050	6,060	 	ļ			
F25a	2	16	10	8,190	6,640	1,275	278	:_		
F26	2	16	4	2,490	930	1275	278			
F26	1	16	4	940	940			ļ		
F27	1	16	53	6,800	6,800					
F28	1	16	53	12,000	12,000			 		
F29	1	15	150	6,680	6,650					
F30	3	16	22	6,920	278	6,640				-
F31	1	16	8	7,520	7,520		·	<u> </u>	-	
F32	1	16	6	2,640	2,640					
F33	1	16	10	9,120	9,120					
F33	1 1	16	4	1,520	avg 1,520		ļ	ļ	ļ	
F34	1	16	4	4,820	4,820	ļ	<u> </u>	 	ļ	ļ
F35	1 1	16	424	740	740	220		<u> </u>	<u> </u>	
F36	3	16	16	6 960	6640	320			ļ	
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BAR WEIGHT

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	ĐΆ	LENGTH	NUMBER	WEGHT	WEIGHT	WEIGHT	SHAPE
TYPE	(mm)	(mm)		PER'M'	PER*BAR*	(×3)	
				(kg)	(kg)		
F1	16	9,880	35	156	15.41	539.45	
F2	16	9,530	12	1.56	14.87	178.40	
F3	16	9,480	12	1.56	1479	177,47	
F4	16	1,360	35	156	212	7426	
F5	16	1,660	12	1.56	259	31.08	
F5	16	1,660	4	1.56	259	10.36	
F6	16	1,770	35	1.56	276	9664	J
F7	16	2,680	12	1.56	4.18	50.17	
F8	16	1,370	6 .	1.56	2.14	12.82	
F9	16	3,400	47	1.56	530	24929	
F10	16	3,150	- 6	156	491	29.48	
FII	16	1,660	47	156	2.59	121.71	
F12	16	2,160	6	1.56	3.37	2022	
F13	16	7,730	47	1.56	1206	566.76	ت
F14	16	7,730	- 6	1.56	1206	7235	
F15	16	8,240	66	1.56	1285	643.39	
F16	16	5,840	1	1.56	9.11	9.11	
F16a	16	6,540	3	1.56	1020	3061	L
F17	16	2,160	8	156	3.37	2696	
F17	1ô	2,160	6	1.56	337	2022	
F18	16	3,450	4	1.56	538	2153	
F19	16	4,970	2	1.56	7.75	1551	
F20	16	4,170	2	156	651	1301	
F21	16	7,690	4	1.56	1200	47.99	
F22	16	1,980	6	1.56	309	18.53	
F23	16	6,620	2	156	1033	2065	
F24	16	8,640	43	156	13.48	64696	LJ
F24a	16	8,540	8	1.56	13.32	106.58	
F25	16	6,720	- 8	1.56	10.48	8387	1 1
F25	16	6060	4	1.56	9.44	37.75	
F25e	16	8,190	10	1.56	1278	127.76	
F26	16	2,480	4	1.56	387	15.48	
F26	16	940	4	1.56	1.47	587	
F27	16	6,800	53	156	1061	562.22	
F28	16	12,000	53	1.55	: 18.72	992.16	
F29	16	6,660	150	1.56	10.37	1566.10	
F30	16	6,920	22	1.56	1080	237.49	
F31	16	7,520	- 8	1.56	11.73	93.85	
F32	16	2,640	6	1.56	412	2471	
F33	16	9,120	10	1.56	1423	14227	
F33	16	1,520	4	1.56	237	9.48	
F34	16	4,820	4	1.56	7.52	3008	
F35	16	740	424	1.56	1.15	439.47	
F36	16	6,960	16	156	1086	17372	J
				T	OTAL	8,638.78	

BAR BENDING DETAIL



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THE REPUBLIC OF INDONESIA
MINISTRY OF MURIC WORKS
DELECTORATE GENERAL OF WATER RESOURCES DEVELOPIEN
AND DERECTORATE GENERAL OF HUMAN SETTLEMENT

AND DRACTORATE GENERAL OF HUMAN SETTLEMENT

IRATUNSELUNA PLOOD CONTROL PROJECT

DOMONENT: WEST PLOODWAY/ GARANG RIVER BUPROVEMENT

WEST PLOODWAY GARANG RIVER BUPROVEMENT

WEST PLOODWAY GARANG RIVER BUPROVEMENT

WEST PLOODWAY GARANG RIVER BUPROVEMENT

WEST PLOODWAY GARANG RIVER BUPROVEMENT

WEST PLOODWAY GARANG RIVER BUPROVEMENT

WEST PLOODWAY GARANG RIVER BUPROVEMENT

WEST PLOODWAY GARANG RIVER BUPROVEMENT

WEST PLOODWAY GARANG RIVER BUPROVEMENT

WEST PLOOPWAY GARANG RIVER BUPROVEM

WEIR PIER, GATE FLOOR SLAB AND APRON
REINFORCING BAR ARRANGEMENT FOR GATE FLOOR SLAB 13/3

NFORCING BAR ARRANGEMENT FOR GATE FLOOR SLAB

R SLAB(3/3)

R SLAB(3/3)

R SLEET NO. 53

- DATE CONTEACT NO.

SEMARANG CITY

