

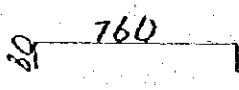
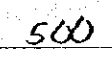
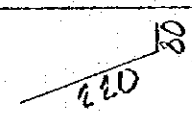
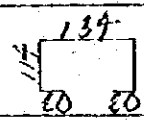
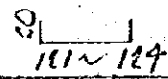


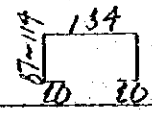
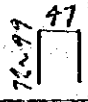
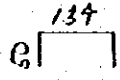
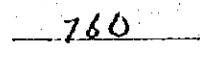
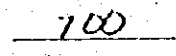
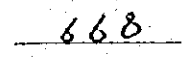
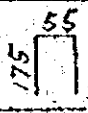
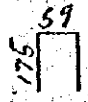
§ 3 COROMANDEL Ov. Br.

BAR SCHEDULE FOR (A) ABUTMENT

Bar no.	Type size	Length (m)	No.	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (mm)
P 1	Φ12	4.58	35	160.30	0.888	142	
2	"	2.66	29	77.14	"	69	
3	"	1.51	2	3.02	"	3	
4	"	1.18	2	2.36	"	2	
5	"	2.30	2	4.60	"	4	
6	"	8.35	14	116.90	"	104	
7	"	6.85	7	47.95	"	43	
8	"	1.83	12	21.96	"	20	
9	"	1.04	6	6.24	"	6	
				Φ 12		393	

AN
EL

BAR SCHEDULE FOR (P) PIER SHEET 1 / 3

Bar mark	Type size	Length + laps (m)	No.	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (cm)
B1	25	9.20	10	92.00	3.85	354	
B2	20	5.00	9	45.00	2.47	111	
B3	"	3.00	18	54.00	"	133	
B4	16	4.02	25	100.50	1.58	159	
B5	"	1.63	43	70.09	"	111	
B6	"	1.73	43	74.39	"	118	
B7	"	2.45	25	61.25	"	97	
B8	"	3.75	18	67.50	"	107	
B9	"	2.18	18	39.24	"	62	
B10	"	2.34	10	23.40	"	37	
B11	12	7.60	6	45.60	0.888	41	
B12	"	7.00	2	14.00	"	12	
B13	"	6.68	13	26.84	"	77	
B14	"	4.05	57	230.85	"	205	
B15	"	4.09	2	8.18	"	7	

BAR SCHEDULE FOR (B) PIER SHEET 2 / 3


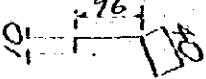
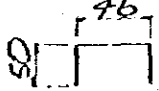
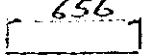
Bar mark	Type size	Length + laps (m)	No.	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (cm)
C 1	32	9.20	20	184.00	6.31	1161	
C 2	25	9.20	28	257.60	3.85	992	
C 3	16	4.50	16	72.00	1.58	114	
C 4	16	2.60	144	374.40	"	592	
						2859 ^{kg}	
F 1	20	8.20	13	106.60	2.47	263	
F 2	"	6.60	25	165.00	"	408	
F 3	16	4.80	26	124.80	1.58	197	
F 4	"	3.20	51	163.20	"	258	
F 5	"	3.02	29	87.58	"	138	
F 6	"	8.20	12	98.40	"	156	
						1420 ^{kg}	

BAR SCHEDULE FOR (P3) PIER SHEET 1 / 3

Bar mark	Type size	Length + laps (m)	No.	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (cm)
B1	15	9.20	10	92.00	3.85	354	
B2	10	5.00	9	45.00	2.47	111	
B3	"	3.00	18	54.00	"	133	
B4	16	4.02	25	100.50	1.58	159	
B5	"	1.63	43	70.09	"	111	
B6	"	1.73	43	74.39	"	118	
B7	"	2.45	25	61.25	"	47	
B8	"	3.75	18	67.50	"	107	
B9	"	2.18	18	39.24	"	62	
B10	"	2.34	10	23.40	"	37	
B11	12	7.60	6	45.60	0.888	41	
B12	"	7.00	2	14.00	"	12	
B13	"	6.68	13	86.84	"	77	
B14	"	4.05	57	230.85	"	205	
B15	"	4.09	2	8.18	"	7	

§ 4 Cor. Int. H-Rp Ov. Br.

BAR SCHEDULE FOR (A) (A2) ABUTMENT

Bar mark	Type size	Length + laps (m)	No.	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (cm)
P1	Φ16	4.04	28	113.12	1.580	179	
2	Φ12	1.46	28	40.88	0.888	36	
3	'	1.46	4	5.84	'	5	
4	'	6.56	15	98.40	'	87	
					Σ	22	
				Φ16	179	358	
				Φ12	128	256	
				Total	307	614	

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§ 5 STA. 22 Ov. Br.

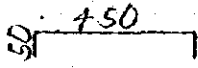
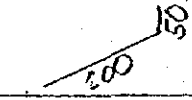
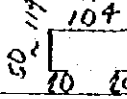


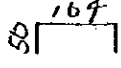
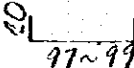

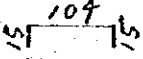
BAR SCHEDULE FOR (A) ABUTMENT

Bar mark	Type size	length + laps (m)	No.	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (cm)
P 1	Φ12	3.07	27	82.08	0.888	73	
2	"	1.96	18	35.28	"	31	
3	"	1.46	4	5.84	"	5	
4	"	6.50	10	65.00	"	58	
5	"	4.06	5	20.30	"	18	
6	"	2.30	4	9.20	"	8	
7	"	1.90	7	13.30	"	12	
					Φ12	205	

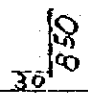

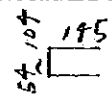
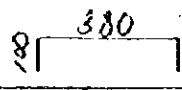
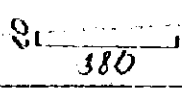
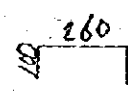
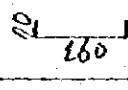
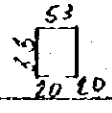
BAR SCHEDULE FOR (A) ABUTMENT

Bar mark	Type size	Length + laps (m)	No.	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (cm)
P 1	Φ12	3.04	27	82.08	0.888	73	
2	"	1.76	18	31.68	"	28	
3	"	1.46	4	5.84	"	5	
4	"	6.50	10	65.00	"	58	
5	"	4.06	5	20.30	"	18	
6	"	2.30	4	9.20	"	8	
7	"	1.90	7	13.30	"	12	
					Φ12	202	

BAR SCHEDULE FOR (R) PIER SHEET 1 / 3

Bar mark	Type size	Length + laps (m)	No.	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (cm)
B 1	25	5.50	9	49.50	3.85	191	
B 2	20	2.50	18	45.00	2.49	111	
B 4	16	3.08	16	49.28	1.58	78	
B 5	"	1.29	16	20.64	"	33	
B 6	"	1.39	16	22.24	"	35	
B 7	"	2.04	9	18.36	"	29	
B 8	"	1.38	16	22.08	"	35	
B 9	12	4.50	2	9.00	0.888	8	<u>450</u>
B 10	"	4.30	2	8.60	"	8	<u>430</u>
B 11	"	3.90	6	23.40	"	21	<u>390</u>
B 12	"	2.48	29	71.92	"	64	
B 13	"	1.34	2	2.68	"	2	
						733 ^{kg}	

BAR SCHEDULE FOR (P_i) PIER SHEET 2 / 3

Bar mark	Type size	Length + laps (m)	No.	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (cm)
C 1	25	8.80	40	352.00	3.85	1355	
C 2	"	5.00	8	40.00	"	154	
C 3	16	3.69	72	265.68	1.56	420	
						1929	
F 1	16	5.80	12	69.60	1.58	110	
F 2	"	4.20	23	96.60	"	153	
F 3	"	4.60	17	78.20	"	124	
F 4	"	3.00	33	99.00	"	156	
F 5	"	2.59	17	44.03	"	70	
						613 ^{kg}	

BAR SCHEDULE FOR (P₂) PIER SHEET 1 / 3

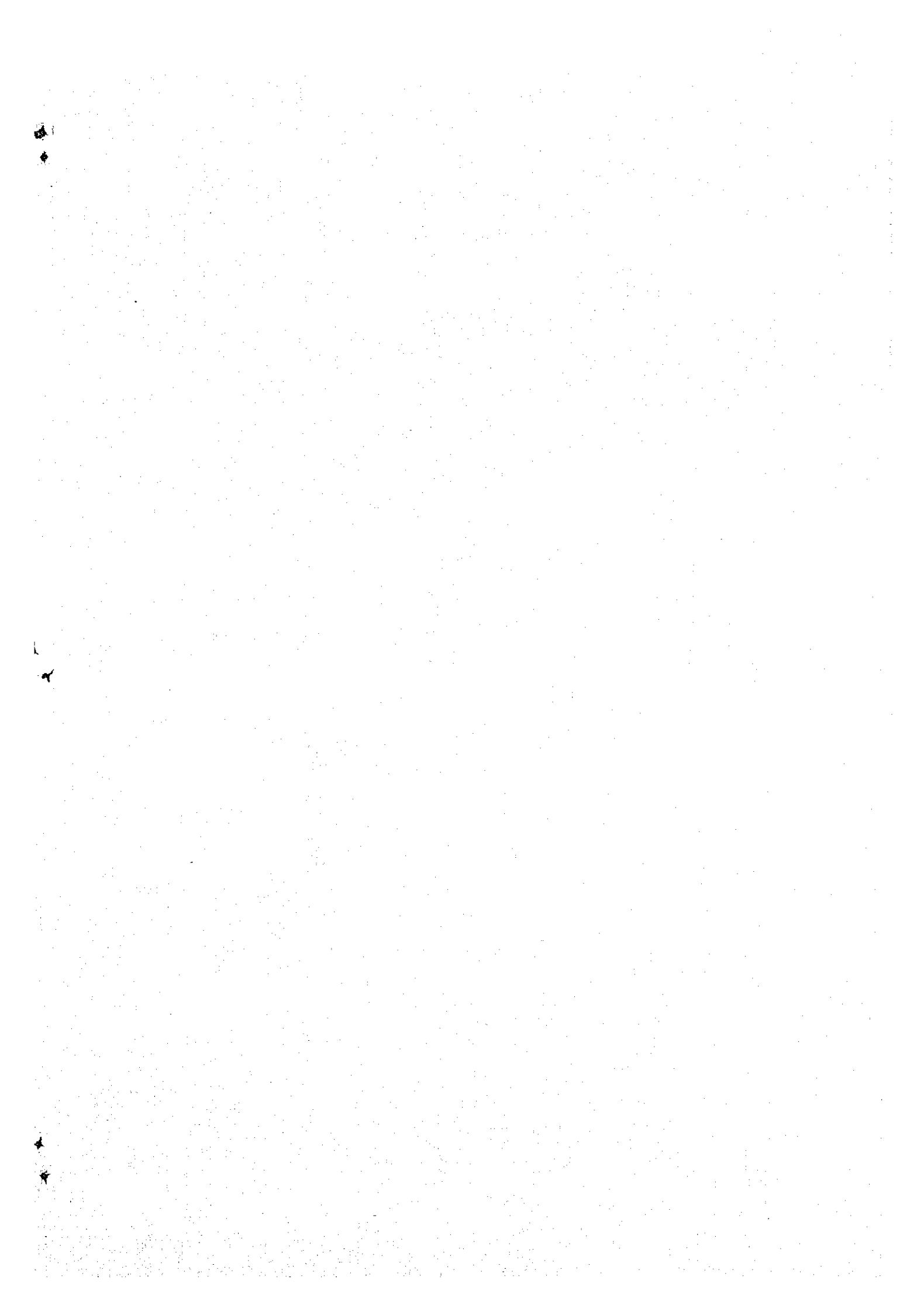
Bar mark	Type size	Length + laps (m)	No.	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (cm)
B1	32	8.40	5	42.00	6.31	265	
B2	"	7.60	5	38.00	"	240	
B3	"	5.00	5	25.00	"	158	
B4	20	2.80	10	28.00	2.47	69	
B5	"	3.25	23	74.75	"	185	
B6	"	0.95	37	35.15	"	87	
B7	"	0.95	28	26.60	"	66	
B8	"	2.73	14	38.22	"	94	
B9	"	1.50	37	55.50	"	137	
B10	"	2.50	23	57.50	"	142	
B11	"	2.03	14	28.42	"	70	
B12	"	1.55	10	15.50	"	38	
B13	12	7.03	4	28.12	0.888	25	
B14	"	6.20	2	12.40	"	11	
B15	"	0.85	4	3.40	"	3	

BAR SCHEDULE FOR (P₂) PIER SHEET 2 / 3

Bar mark	Type size	Length + laps (m)	No.	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (cm)
B16	12	2.20	3	6.60	0.888	6	
B17	"	1.50	6	9.00	"	8	
						1604 kg	
C1	25	9.00	20	180.00	3.81	686	
C2	20	9.00	28	252.00	2.47	622	
C3	16	2.14	144	308.16	1.58	487	
						1795 kg	
F1	20	7.20	24	172.80	2.47	427	
F2	16	6.40	24	153.60	1.58	243	
F3	"	4.80	25	120.00	"	190	
F4	"	3.20	49	156.80	"	248	
F5	"	2.59	28	72.52	"	115	
						1223 kg	

BAR SCHEDULE FOR (P₃) PIER SHEET 1 / 3

Bar mark	Type size	Length + laps (m)	No.	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (cm)
B1	25	5.50	9	49.50	3.85	191	
B2	20	2.50	18	45.00	2.47	111	
B4	16	3.00	16	49.28	1.58	78	
B5	"	1.29	16	20.64	"	33	
B6	"	1.39	16	22.24	"	35	
B7	"	2.04	9	18.36	"	29	
B8	"	1.38	16	22.08	"	35	
B9	12	4.50	2	9.00	0.888	8	<u>450</u>
B10	"	4.30	2	8.60	"	8	<u>430</u>
B11	"	3.90	6	23.40	"	21	<u>390</u>
B12	"	2.48	28	69.44	"	62	
B13	"	1.34	2	2.68	"	2	
						613 ^{kg}	



4. G.R.N.W. Bridge and St. Louis River Bridge

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§§ I A-LINE BR

G. R. N. W.

A, ABUTMENT

Bar mark	Type size	length +laps (m)	NO	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (mm)
A1	Φ 16	2.86	72	205.92	1.58	325	
2	"	3.16	14	44.24	"	70	
3	"	4.15	43	178.45	"	282	
4	"	2.52	43	108.36	"	171	
5	"	2.51	33	82.83	"	131	
6	Φ 12	10.96	37	387.02	0.888	344	
7	"	8.70	2	17.40	"	15	
8	"	1.66	2	3.32	"	3	
9	"	2.25	2	4.50	"	4	
10	"	1.36	2	2.72	"	2	
W1	Φ 16	4.79	4	19.16	1.56	30	
2	"	3.86	4	15.44	"	24	
3	"	3.96	3	10.38	"	16	
4	"	2.63	4	10.52	"	17	
5	"	4.00	2	8.00	"	13	


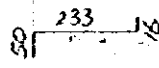
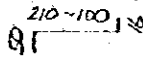
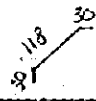
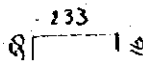
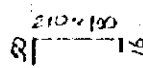






Bar mark	Type size	length +laps (m)	NO	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (cm)
W 6	Φ 16	4.79	4	19.16	1.56	30	
7	"	3.86	4	15.44	"	24	
8	"	3.46	3	10.38	"	16	
9	"	1.90	12	22.80	"	36	
10	"	1.90	12	22.80	"	36	
11	"	6.35	2	12.70	"	20	
12	"	1.03	13	13.39	"	21	
W 21	Φ 20	4.79	4	17.96	2.47	44	
22	"	3.46	5	17.30	"	43	
23	"	2.89	3	8.67	"	21	
24	Φ 16	1.20	9	19.80	1.58	31	
25	"	3.58	2	7.16	"	11	
26	"	4.49	4	17.96	"	28	
27	"	3.46	5	17.30	"	27	
28	"	2.89	3	8.67	"	14	

Bar mark	Type size	length +laps (m)	NO	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (cm)
W29	Φ 16	1.90	12	22.80	1.58	36	100 2280
30	"	1.90	12	22.80	"	36	100 2280
31	"	6.70	2	12.80	"	20	70 450 100
32	"	0.73	13	9.19	"	15	13 17
H 1	Φ 25	1.00	27	54.00	3.85	108	100
			Φ 25			108	kg
			Φ 20			108	"
			Φ 16			1480	"
			Φ 12			368	"
		GRAND TOTAL				2169	kg

G. R. N. W.

A₂ ABUTMENT

Bar mark	Type size	length +laps (m)	NO	Total length (m)	Unit Weight (kg/m)	Total weight (kg)	Shape (cm)
A 1	Φ 16	2.56	72	184.32	1.58	291	
2	"	2.96	14	41.44	"	65	
3	"	4.15	43	178.45	"	282	
4	"	2.52	43	108.36	"	171	
5	Φ 12	10.46	38	397.48	0.888	353	
6	"	1.36	2	2.72	"	2	
7	"	2.25	2	4.50	"	4	
8	"	1.66	2	3.32	"	3	
S 1	Φ 25	10.49	25	262.25	3.85	1010	
2	"	8.20	21	196.80	"	758	
3	"	10.16	25	261.50	"	1007	
4	Φ 16	2.70	48	105.60	1.56	165	
5	"	7.63	43	328.09	"	518	
6	Φ 12	7.63	16	350.98	0.888	312	
7	"	1.32	25	33.00	"	29	

Bar mark	Type size	length laps (m)	NO	Total length (m)	Unit Weight (Kg/m)	Total weight (Kg)	Shape (cm)
S 8	'	1.10	25	35.00	'	31	
W 1	Φ 16	2.99	4	11.96	1.58	19	
2	"	2.21	4	8.84	"	14	
3	"	1.76	8	14.24	"	22	
4	"	2.99	4	11.96	"	19	
5	"	2.21	4	8.84	"	14	
6	"	1.60	7	11.20	"	18	
7	"	1.60	7	11.20	"	18	
8	"	3.20	2	6.40	"	10	
9	Φ 12	0.73	8	5.84	0.888	5	
10	'	1.50	11	16.50	"	15	
11	"	3.00	4	12.00	"	11	

Bar mark	Type size	length laps (m)	NO.	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (cm)
H 1	Φ 25	2.00	27	54.00	3.85	108	Φ
1	'	1.50	6	9.00	"	35	150
			Φ 25			3018	12
			Φ 16			1626	"
			Φ 12			765	"
			GRAND TOTAL			5409	12

G. R. N. W.

P₁ PIER

P₁ ~ P₆ PIER : Same bar schedule

Bar mark	Type size	length +laps (m)	NO.	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (mm)
B 1	Φ25	11.80	10	118.00	3.85	454	
2	Φ16	10.78	10	107.80	1.58	170	
3	"	9.80	6	58.80	"	93	
4	"	8.50	4	34.00	"	54	
5	Φ12	5.64	7	39.48	0.888	35	
6	"	3.85	14	53.90	"	48	
7	"	2.54	14	35.56	"	32	
8	"	5.43	7	38.01	"	34	
9	"	3.64	14	50.96	"	45	
10	"	6.18	34	210.12	"	187	
11.1	Φ25	2.00	26	52.00	3.85	200	
			Φ25			654	kg
			Φ16			317	"
			Φ12			381	"
		GRAND TOTAL				1352	kg

St. LOUIS

A₁ - ABUTMENT

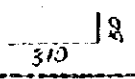
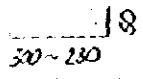
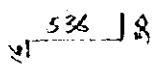
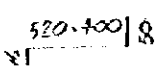
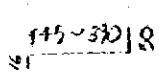
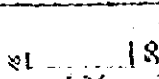
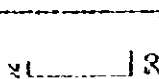
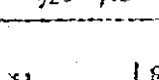
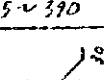
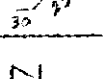
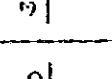
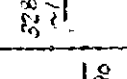
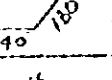
Bar mark	Type size	length +laps (m)	NO.	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (mm)
A 1	Φ 16	3.26	17	45.64	1.58	72	
2	"	2.96	72	213.12	"	337	
3	"	4.70	43	202.10	"	319	
4	"	3.20	43	137.60	"	217	
5	"	10.46	6	62.76	"	99	
6	"	2.50	6	15.00	"	24	
7	"	2.96	33	97.68	"	154	
8	Φ 12	10.46	35	366.10	0.888	325	
9	"	8.60	2	17.20	"	15	
10	"	2.25	2	4.50	"	4	
11	"	1.66	2	3.32	"	3	
12	"	1.36	2	2.72	"	2	
H 1	Φ 15	2.00	33	66.00	3.85	254	

Bar mark	Type size	length +laps (m)	NO.	Total length (m)	Unit Weight (kg/m)	Total Weight (kg)	Shape (mm)
W 1	Φ 16	3.82	4	15.28	1.58	24	41 $\frac{286}{18}$
2	"	3.49	4	13.96	"	22	41 $\frac{277-232}{18}$
3	"	4.16	6	24.96	"	39	44 $\frac{350-290}{18}$
4	"	3.82	4	15.28	"	24	41 $\frac{286}{18}$
5	"	3.49	4	13.96	"	22	41 $\frac{277-232}{18}$
6	"	4.16	6	24.96	"	39	46 $\frac{350-290}{18}$
7	"	2.75	12	33.00	"	52	30 $\frac{215}{130}$
8	"	5.13	4	13.72	"	22	34.5
9	"	2.20	10	22.00	"	35	135 $\frac{305}{130}$
10	"	5.15	2	10.30	"	16	40 $\frac{215}{130}$
11	"	1.03	8	8.24	"	13	43 $\frac{30}{130}$
W 21	Φ 16	7.69	5	38.45	1.58	61	36 $\frac{285}{18}$
22	"	6.11	5	30.55	"	48	30 $\frac{235-115}{18}$
23	"	4.86	9	43.74	"	69	35 $\frac{350-300}{18}$
24	"	7.69	5	38.45	"	61	36 $\frac{283}{18}$

Bar mark	Type size	length +laps (m)	NO.	Total length (m)	Unit Weight (kg/m)	Total weight (kg)	Shape (cm)
W 25	Φ16	6.11	5	30.55	1.58	48	
26	"	4.86	5	24.30	"	38	
27	"	1.90	9	39.40	"	63	
28	"	2.60	13	33.80	"	53	
29	"	3.27	4	13.08	"	21	
30	"	2.00	12	87.00	"	133	
31	"	8.10	2	16.20	"	26	
32	"	0.16	24	18.24	"	29	
33	"	0.93	24	22.32	"	35	
						254	
						2215	
						349	
						2818	
		GRAND TOTAL					

S.T. LOUIS
A₂ - ABUTMENT

Bar mark	Type size	length +laps (m)	NO	Total length (m)	Unit weight (K/m)	Total weight (K)	Shape (cut)
A 1	F 16	3.36	17	47.04	1.56	74	
2	"	2.76	72	213.12	"	337	
3	"	1.53	13	149.79	"	308	
4	"	3.02	13	129.86	"	205	
5	"	10.46	6	62.76	"	99	
6	"	2.50	6	15.00	"	24	
7	"	2.96	33	97.68	"	154	
8	F 12	10.46	39	355.64	0.888	316	
9	"	8.60	2	17.20	"	15	
10	"	2.25	2	4.50	"	4	
11	"	1.66	2	3.32	"	3	
12	"	1.36	2	2.72	"	2	
H 1	F 25	2.00	33	66.00	3.85	254	

Bar mark	Type size	length +laps (m)	NO	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (cm)
W 1	Φ20	3.60	11	39.60	2.47	98	
2	"	3.90	2	6.80	"	17	
3	Φ16	6.02	4	24.08	1.58	38	
4	"	5.26	5	26.30	"	42	
5	"	4.84	5	24.20	"	38	
6	"	6.02	4	24.08	"	38	
7	"	5.26	5	26.30	"	42	
8	"	4.84	5	24.20	"	38	
9	"	2.90	13	37.70	"	60	
10	"	3.37	12	40.44	"	64	
11	"	2.19	22	48.18	"	76	
12	"	5.10	2	10.20	"	16	
13	"	0.76	18	13.68	"	12	

Bar mark	Type size	length +laps (m)	NO	Total length (m)	Unit Weight (kg/m)	Total weight (kg)	Shape (cm)
W 21	Φ 16	4.79	7	19.16	1.58	30	Φ 1 383 18
22	"	4.76	7	17.84	"	28	Φ 1 370 ~ 330 18
23	"	5.01	6	30.06	"	47	Φ 1 435 ~ 375 18
24	"	4.79	7	19.16	"	30	Φ 1 383 18
25	"	4.76	7	17.84	"	28	Φ 1 370 ~ 330 18
26	"	5.01	6	30.06	"	47	Φ 1 435 ~ 375 18
27	"	4.75	12	53.40	"	84	Φ 20 335 18
28	"	3.43	12	41.16	"	65	Φ 12 512
29	"	2.20	10	22.00	"	35	Φ 10 130
30	"	6.15	2	12.30	"	19	Φ 30 235 18
31	"	1.03	12	12.36	"	20	Φ 12 817
			Φ 25			154	"
			Φ 20			115	"
			Φ 16			2108	"
			Φ 12			340	"
			GRAND TOTAL			2817	"

§ § 2 B-LINE BR.

G. R. N. W.

A₁ ABUTMENT

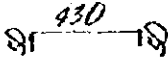
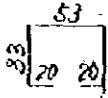
Reinforcement schedule

Bar mark	Type size	length +laps (m)	NO.	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (mm)
P 1	Φ 16	2.46	13	105.78	1.58	167	
2	"	3.51	41	143.91	"	227	
3	"	2.50	12	30.00	"	47	
4	Φ 12	10.46	16	167.36	0.888	149	
5	"	2.16	2	4.32	"	4	
6	"	1.16	2	2.32	"	2	
7	"	1.16	2	2.32	"	3	
A 1	Φ 25	5.90	11	241.90	3.85	931	
2	"	3.25	38	123.50	"	475	
3	Φ 20	5.90	13	253.70	2.77	627	
4	Φ 16	1.71	13	72.53	1.58	116	
5	"	10.46	22	230.12	"	364	
6	"	10.46	19	198.74	"	314	

Bar mark	Type size	length +laps (cm)	NO.	Total length (cm)	Unit Weight (Kg/m)	Total Weight (Kg)	Shape (cm)
E 1	Φ 16	1.51	33	49.83	1.58	79	
2	Φ 12	8.66	2	17.32	0.888	15	866
III. 1	Φ 16	3.79	18	68.22	1.58	108	
2	"	2.53	8	20.24	"	32	
3	"	3.79	18	68.22	"	108	
4	"	2.53	8	20.24	"	32	
5	"	7.92	16	126.72	"	200	
6	"	5.77	2	11.54	"	18	
7	"	3.81	3	11.43	"	18	
8	"	3.73	3	11.19	"	18	
9	"	2.92	7	16.74	"	27	
10	"	2.36	7	16.52	"	26	
11	"	1.71	20	34.20	"	54	
12	"	5.10	2	10.20	"	16	
13	"	2.50	13	32.50	"	51	

Bar mark	Type size	length +laps (m)	NO	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (cm)
WL 14	Φ 16	3.00	3	9.00	1.58	14	
15	"	1.90	15	28.50	"	45	
16	"	2.80	9	25.20	"	40	
17	"	0.96	19	18.24	"	29	
18	"	1.03	19	19.57	"	31	
19	Φ 12	4.83	4	19.32	0.888	17	
WR 1	Φ 16	3.79	19	72.01	1.58	114	
2	"	2.53	8	20.24	"	32	
3	"	3.79	19	72.01	"	114	
4	"	2.53	8	20.24	"	32	
5	"	8.03	16	129.28	"	204	
6	"	6.04	2	12.08	"	19	
7	"	3.81	4	15.24	"	24	
8	"	3.73	4	14.92	"	24	
9	"	2.42	7	16.94	"	27	

Bar mark	Type size	length +laps (m)	NO.	Total length (m)	Unit Weight (kg/m)	Total Weight (kg)	Shape (cm)
WR10	Φ 16	2.36	7	16.52	1.58	26	
11	"	1.77	20	35.40	"	56	
12	"	5.20	2	10.40	"	16	
13	"	2.50	15	37.50	"	59	
14	"	3.00	2	6.00	"	9	
15	"	1.90	4	7.60	"	12	
16	"	2.80	7	25.20	"	40	
17	"	1.03	19	19.57	"	31	
18	Φ 12	4.83	2	9.66	0.888	9	
F 1	Φ 16	5.90	43	253.70	1.58	401	
2	"	2.90	42	121.80	"	192	
3	"	5.90	43	253.70	"	401	
4	"	2.90	38	110.20	"	174	
5	Φ 12	10.46	35	366.10	0.888	325	
6	Φ 16	11.46	4	45.84	1.58	72	

Bar mark	Type size	length +laps (m)	NO	Total length (m)	Unit weight (Kg/m)	Total weight (kg)	Shape (cm)	
F 7	Φ 16	5.30	4	21.20	1.58	33		
F 1°	,	2.59	72	186.48	"	295		
			Φ 25			1406	K8	
			Φ 20			627	"	
			Φ 16			4588	"	
			Φ 12			524	"	
			GRAND TOTAL				7145	K8

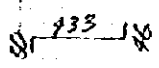
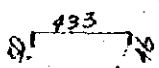
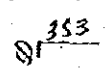
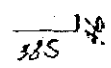
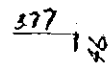
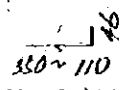
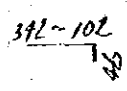

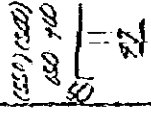






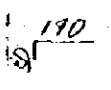
G. R. N. W.

A₂ ABUTMENT

Reinforcement schedule




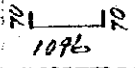
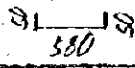
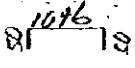
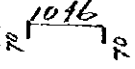
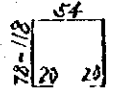
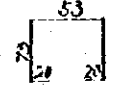
Bar mark	Type size	length +laps (m)	NO	Total length (m)	Unit weight (K/m)	Total weight (K)	Shape (mm)
P 1	Φ 16	1.66	43	119.38	1.58	181	150 16
2	"	1.66	79	210.14	"	332	150 16
3	"	2.50	12	30.00	"	47	110 16
4	Φ 12	10.46	16	167.36	0.888	149	1046
5	"	1.46	2	2.92	"	3	80 16
6	"	2.16	2	4.32	"	4	80 16
7	"	1.16	2	2.32	"	2	80 16
A 1	Φ 16	10.46	31	324.26	1.56	512	1046
2	"	10.46	29	303.34	"	479	1046
3	"	8.33	43	358.19	"	566	80 165
4	"	7.30	39	284.70	"	450	80 160
5	"	10.90	43	447.20	"	707	80 110
6	"	2.50	41	102.50	"	162	80 170
7	"	2.72	31	84.32	"	133	80 170

Bar mark	Type size	length +laps (m)	NO.	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (cm)
E 1	Φ 16	1.51	33	49.83	1.58	79	
2	Φ 12	8.66	2	17.32	0.888	15	<u>866</u>
B 1	Φ 32	9.40	8	75.20	6.31	475	
2	"	7.00	2	14.00	"	88	
3	"	5.10	4	20.40	"	129	
4	Φ 16	3.15	72	289.80	1.58	458	
5	"	4.80	72	345.60	"	596	
6	"	2.20	88	193.60	"	306	
7	"	2.60	52	135.20	"	214	
8	"	1.95	46	86.70	"	105	
9	Φ 10	0.67	12	7.68	0.616	5	
WL 1	Φ 20	5.29	19	100.51	2.47	248	
2	"	4.03	8	33.24	"	80	
3	"	3.10	15	46.50	"	115	

Bar mark	Type size	length +laps (cm)	NO.	Total length (cm)	Unit weight (kg/m)	Total weight (kg)	Shape (cm)
WL 4	Φ 16	5.29	9	47.61	1.58	75	
5	"	5.29	28	148.12	"	234	
6	"	4.03	8	32.24	"	51	
7	"	4.31	4	17.24	"	27	
8	"	4.23	8	33.84	"	53	
9	"	2.76	4	11.04	"	17	
10	"	2.18	8	21.44	"	34	
11	Φ 25	8.50	5	42.50	3.85	164	
12	Φ 16	11.00	24	264.00	1.58	417	
13	"	8.49	6	50.94	"	80	
14	"	2.00	26	52.00	"	82	
15	"	1.25	22	49.50	"	78	
16	"	3.08	4	12.32	"	19	
17	"	1.95	4	7.80	"	12	
18	"	2.76	14	38.64	"	61	
19	"	2.40	7	16.80	"	27	

Bar mark	Type size	length laps (m)	NO.	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (mm)
WL 10	Φ 16	5.85	2	11.70	1.58	18	
21	"	1.03	26	26.78	"	42	
22	"	1.44	24	34.56	"	55	
13	Φ 12	6.83	2	13.66	0.888	12	683
14	Φ 16	3.10	4	12.40	1.58	20	
WR 1	Φ 25	8.00	5	40.00	3.65	154	
2	Φ 20	3.05	13	39.65	2.47	98	
3	Φ 16	4.35	6	26.10	1.58	41	
4	"	2.99	9	26.91	"	43	
5	"	3.14	5	15.70	"	25	
6	"	3.29	3	9.87	"	16	
7	"	3.45	19	65.55	"	104	
8	"	2.99	9	26.91	"	43	
9	"	3.14	5	15.70	"	25	
10	"	3.29	3	9.87	"	16	
11	"	10.70	4	43.60	"	69	

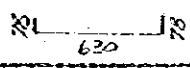
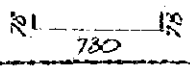
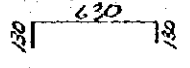
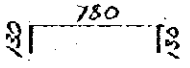
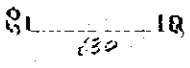
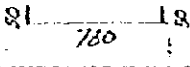
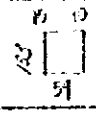
Bar mark	Type size	length +laps (m)	NO.	Total length (m)	Unit Weight (Kg/m)	Total Weight (kg)	Shape (cm)
WR 12	Φ 16	8.50	6	51.00	1.58	81	
13	"	3.80	10	76.00	"	120	
14	"	1.75	10	24.50	"	39	
15	"	5.75	2	10.90	"	17	
16	"	2.25	22	49.50	"	78	
17	"	3.08	4	12.32	"	19	
18	"	1.75	8	15.60	"	25	
19	"	0.96	8	7.68	"	12	
20	"	1.03	8	8.24	"	13	
21	"	2.76	12	33.12	"	52	
22	"	1.77	19	27.36	"	43	
23	Φ 12	2.33	4	3.92	0.888	0	233
F 1	Φ 20	2.75	85	233.75	2.97	577	
2	Φ 16	2.59	43	111.37	1.58	176	
3	"	10.76	33	395.18	"	545	1076
4	"	10.76	33	395.18	"	545	1076

Bar mark	Type size	length +laps (m)	NO.	Total length (m)	Unit Weight (Kg/m)	Total weight (kg)	Shape (mm)
F 5	Φ 16	5.10	59	198.90	1.58	314	
6	"	5.10	73	219.30	"	346	
7	"	2.20	34	74.80	"	118	
8	"	11.86	7	83.02	"	131	
9	"	6.80	2	13.60	"	21	
10	"	11.96	2	22.92	"	36	
11	Φ 12	11.86	7	83.02	0.888	74	
F ₁	Φ 16	2.90	33	95.70	1.58	151	
F ₂	"	2.39	69	164.91	"	261	
			Φ 32			692	kg
			Φ 25			318	"
			Φ 20			1118	"
			Φ 16			10204	"
			Φ 12			267	"
			Φ 10			5	"
GRAND TOTAL						12604	kg

G. R. N. W

P. PIER

Bar mark	Type size	length +laps (m)	NO.	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (cm)
B 1	Φ 32	11.90	14	159.60	6.31	1007	
2	Φ 20	3.95	8	31.60	2.47	78	
3	"	9.00	8	32.00	"	79	
4	Φ 16	9.80	4	39.20	1.58	62	
5	"	8.44	2	16.88	"	27	
B° 1	Φ 20	3.90	18	70.20	2.47	173	
2	"	3.00	36	108.00	"	267	
3	"	1.54	36	55.44	"	137	
4	"	3.77	18	67.86	"	168	
5	"	2.87	36	103.32	"	255	
6	"	4.52	29	131.08	"	324	
C 1	Φ 32	26.10	90	2349.00	6.31	14822	
2	Φ 12	5.93	172	1019.96	0.888	906	
3	"	1.54	200	308.00	"	274	

Bar mark	Type size	length +laps (m)	NO.	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (mm)
F 1	Φ 25	7.86	63	495.18	3.85	1906	
2	"	9.36	26	243.36	"	937	
3	Φ 16	8.90	32	284.80	1.58	450	
4	"	10.40	26	270.40	"	427	
5	"	7.30	8	58.40	"	92	
6	"	8.80	8	70.40	"	111	
F° 1	Φ 20	3.90	92	312.80	2.47	773	
			Φ 32			15829 ^{kg}	
			Φ 25			2843 ["]	
			Φ 20			2254 ["]	
			Φ 16			1169 ["]	
			Φ 12			1180 ["]	
		GRAND TOTAL				23275 ^{kg}	

G. R. N. W

P₂ PIER

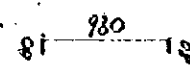
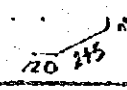
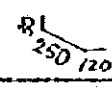
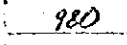
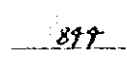
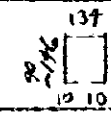


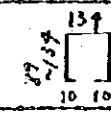
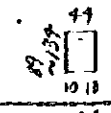
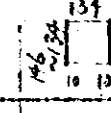
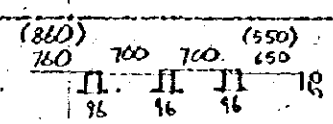
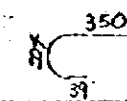
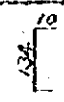
P₂ ~ P₅ PIER ; Same bar schedule

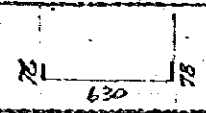
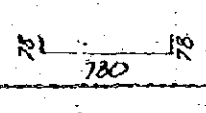
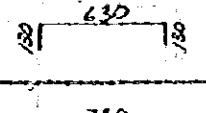
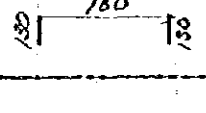
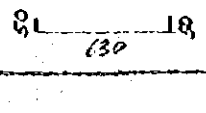
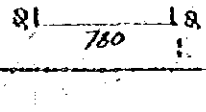
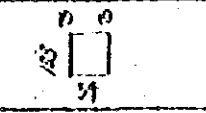
Bar mark	Type size	length +laps (m)	NO.	Total length (m)	Unit Weight (kg/m)	Total Weight (kg)	Shape (cm)
B 1	Φ 32	11.70	14	159.60	6.31	1007	
2	Φ 20	3.95	8	31.60	2.17	78	
3	"	7.00	8	32.00	"	79	
4	Φ 16	9.80	4	39.20	1.58	62	
5	"	6.44	2	16.88	"	27	
B° 1	Φ 20	3.90	18	70.20	2.47	173	
2	"	3.00	36	108.00	"	267	
3	"	1.59	36	55.44	"	137	
4	"	3.77	18	67.86	"	168	
5	"	2.87	36	103.32	"	255	
6	"	7.52	29	131.08	"	324	
C 1	Φ 32	29.10	90	2619.00	6.31	16526	
2	Φ 12	5.93	196	1162.28	0.888	1032	
3	"	1.54	230	354.20	"	315	

Bar mark	Type size	length +laps (mm)	NO.	Total length (mm)	Unit Weight (kg/m)	Total Weight (kg)	Shape (mm)
F. 1	Φ 15	7.86	63	495.18	3.85	1906	
2	"	9.36	26	243.36	"	937	
3	Φ 16	8.90	32	284.80	1.58	450	
4	"	10.90	26	270.40	"	427	
5	"	7.30	8	58.40	"	92	
6	"	8.80	8	70.40	"	111	
F° 1	Φ 20	3.90	92	312.80	2.47	773	
			Φ 32			17533 ^{kg}	
			Φ 15			2843 ^{kg}	
			Φ 20			2754 ^{kg}	
			Φ 16			1169 ^{kg}	
			Φ 12			1347 ^{kg}	
		GRAND TOTAL				25146 ^{kg}	















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















Bar mark	Type size	length +laps (m)	NO.	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (cm)
B 1	Φ 32	11.10	14	159.60	6.31	1007	
2	Φ 20	3.95	8	31.60	2.47	78	
3	"	9.00	8	32.00	"	79	
4	Φ 16	9.80	4	39.20	1.58	62	
5	"	8.44	2	16.88	"	27	
B° 1	Φ 20	3.90	18	70.20	2.47	173	
2	"	3.00	36	108.00	"	267	
3	"	1.54	36	55.44	"	137	
4	"	3.77	18	67.86	"	168	
5	"	2.87	36	103.32	"	255	
6	"	4.52	29	131.08	"	324	
C 1	Φ 32	28.60	90	2574.00	6.31	16242	
2	Φ 12	5.93	176	1043.68	0.888	927	
3	"	1.54	205	315.70	"	280	

Bar mark	Type size	length +laps (m)	NO.	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (cm)
F 1	Φ 25	7.86	63	495.18	3.85	1906	
2	"	9.36	26	243.36	"	937	
3	Φ 16	8.90	32	284.80	1.58	450	
4	"	10.90	26	270.90	"	427	
5	"	7.30	8	58.40	"	92	
6	"	8.80	8	70.40	"	111	
F° 1	Φ 20	3.90	92	312.80	2.47	773	
			Φ 32			17249 ^{kg}	
			Φ 25			2843 ["]	
			Φ 20			2254 ["]	
			Φ 16			1169 ["]	
			Φ 12			1207 ["]	
		GRAND TOTAL				24722 ^{kg}	


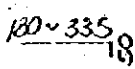
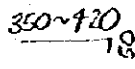
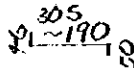
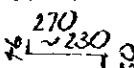
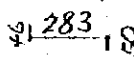
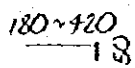
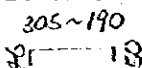
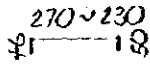
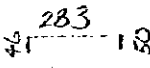
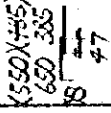





S.T. LOUIS
A₁ - ABUTMENT

Bar mark	Type size	length +laps (m)	NO	Total length (m)	Unit Weight (Kg/m)	Total weight (Kg)	Shape (mm)
P 1	Φ 16	2.66	13	114.38	1.58	181	
2	"	2.66	79	210.14	"	332	
3	"	2.50	12	30.00	"	47	
4	Φ 12	10.46	16	167.36	0.888	149	
5	"	1.16	2	2.32	"	2	
6	"	2.16	2	4.32	"	4	
7	"	1.46	2	2.92	"	3	
A 1	Φ 16	10.16	31	324.26	1.58	512	
2	"	10.16	29	303.34	"	479	
3	"	8.30	13	356.90	"	564	
4	"	7.30	39	284.70	"	450	
5	"	1.94	13	83.42	"	132	
6	"	2.50	41	102.50	"	162	
7	"	2.72	31	84.32	"	133	

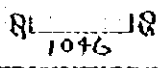
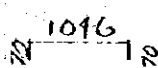
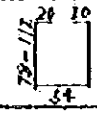

Bar mark	Type size	length +laps (m)	NO.	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (cm)
B 1	Φ32	9.40	8	75.20	6.31	475	
2	"	7.00	2	14.00	"	88	
3	"	5.10	4	20.40	"	129	
4	Φ16	3.15	92	289.80	1.58	458	
5	"	4.80	72	345.60	"	596	
6	"	2.20	88	193.60	"	306	
7	"	2.60	52	153.20	"	214	
8	"	1.45	46	66.70	"	105	
9	Φ10	0.69	12	7.68	0.616	5	
E 1	Φ16	1.51	33	49.83	1.58	79	
2	Φ12	8.66	2	17.32	0.888	15	

Bar mark	Type size	length +laps (m)	NO.	Total length (m)	Unit Weight (kg/m)	Total weight (kg)	Shape (cm)
WL1	Φ25	8.50	5	42.50	3.85	164	
2	Φ20	4.83	19	91.77	2.47	227	
3	"	4.03	8	32.24	"	80	
4	"	3.20	13	41.60	"	103	
5	Φ16	4.83	10	48.30	1.58	76	
6	"	3.20	5	16.00	"	25	
7	"	2.40	8	19.20	"	30	
8	"	4.83	29	140.07	"	221	
9	"	4.03	8	32.24	"	51	
10	"	4.41	4	17.64	"	28	
11	"	2.74	8	21.92	"	35	
12	"	4.23	4	16.92	"	27	
13	"	2.61	8	20.88	"	33	
14	"	11.06	24	265.44	"	419	
15	"	8.55	6	51.30	"	81	
16	"	1.95	26	50.70	"	80	

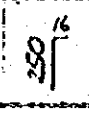
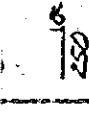
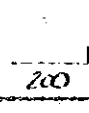
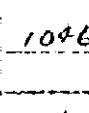
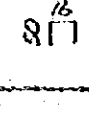
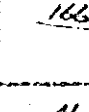
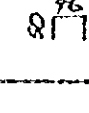
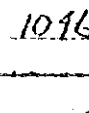
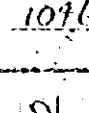
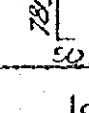
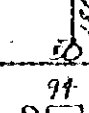
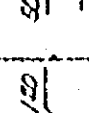
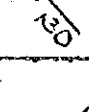
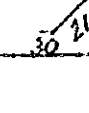
Bar mark	Type size	length +laps (m)	NO.	Total length (m)	Unit weight (K/m)	Total weight (K)	Shape (cm)
WL17	Φ 16	5.80	2	11.40	1.58	18	
18	"	2.25	22	49.50	"	78	
19	"	3.08	5	15.40	"	24	
20	"	1.95	8	15.60	"	25	
21	"	2.76	15	41.40	"	65	
22	"	0.96	26	24.96	"	39	
23	"	1.03	26	26.78	"	42	
24	"	1.44	24	34.56	"	55	
25	Φ 12	6.83	4	27.32	0.888	24	<u>683</u>

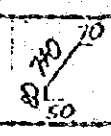


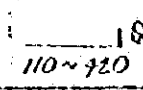
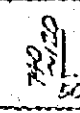
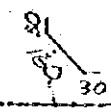

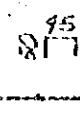
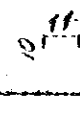
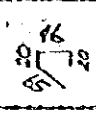
Bar Mark	Type size	length +laps (m)	NO	Total length (m)	Unit Weight (kg/m)	Total Weight (kg)	Shape (cm)
WR1	Φ25	7.50	5	37.50	3.85	144	
2	Φ20	3.08	12	36.96	2.47	91	
3	Φ16	4.35	6	26.10	1.58	41	
4	"	3.49	10	34.90	"	54	
5	"	3.46	4	13.84	"	22	
6	"	3.79	4	15.16	"	24	
7	"	3.50	18	63.00	"	100	
8	"	3.49	10	34.90	"	54	
9	"	3.46	4	13.84	"	22	
10	"	3.79	4	15.16	"	24	
11	"	10.85	4	43.40	"	69	
12	"	8.55	6	51.30	"	81	
13	"	3.70	20	74.00	"	117	
14	"	2.95	14	41.30	"	65	
15	"	5.90	2	11.80	"	19	
16	"	2.25	22	49.50	"	78	

Bar mark	Type size	length +laps (m)	NO	Total length (m)	Unit Weight (kg/m)	Total Weight (kg)	Shape (cm)
WR17	Φ16	3.08	4	12.32	158	19	
18	"	1.95	4	7.80	"	12	
19	"	2.76	19	38.64	"	61	
20	"	1.03	10	10.30	"	16	
21	"	1.94	17	24.98	"	39	
22	Φ12	2.83	2	5.66	0.888	5	<u>283</u>
F 1	Φ20	2.75	85	233.75	247	577	
2	Φ16	2.59	43	111.37	158	176	
3	"	10.46	33	345.18	"	545	<u>1076</u>
4	"	10.46	33	345.18	"	545	<u>1076</u>
5	"	5.10	39	198.90	"	314	
6	"	5.10	43	219.30	"	346	
7	"	2.70	34	74.80	"	118	<u>220</u>
8	"	11.86	7	83.02	"	131	
9	"	6.80	2	13.60	"	21	

Bar mark	Type size	length +laps (m)	NO.	Total length (m)	Unit Weight (Kg/m)	Total weight (kg)	Shape (cm)
F ₁₀	Φ 16	11.46	2	22.92	1.58	36	
F ₁₁	Φ 12	11.86	7	83.02	0.888	74	
F ₁	Φ 16	2.90	33	95.70	1.58	151	
F ₂	"	2.39	69	164.91	"	261	
			Φ 32			692	kg
			Φ 25			308	"
			Φ 20			1078	"
			Φ 16			9713	"
			Φ 12			276	"
			Φ 10			5	"
		GRAND TOTAL				12072	kg

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A₂ - ABUTMENT

Bar mark	Type size	length +laps (m)	NO.	Total length (m)	Unit Weight (kg/m)	Total weight (kg)	Shape (cut)
P-1	Φ16	2.66	43	114.38	1.58	181	
2	"	2.66	79	210.14	"	332	
3	"	2.50	12	30.00	"	47	
4	Φ12	10.46	16	167.36	0.888	149	
5	"	1.16	2	2.32	"	2	
6	"	2.16	2	4.32	"	4	
7	"	1.46	2	2.92	"	3	
A 1	Φ16	10.46	31	324.26	1.58	512	
2	"	10.46	29	303.34	"	479	
3	"	8.30	43	356.90	"	564	
4	"	7.30	39	284.70	"	450	
5	"	1.94	43	83.42	"	132	
6	"	2.50	41	102.50	"	162	
7	"	2.72	31	84.32	"	133	

Bar mark	Type size	length +laps (m)	NO.	Total length (m)	Unit Weight (kg/m)	Total Weight (kg)	Shape (mm)
B 1	Φ32	9.90	8	75.20	6.31	475	
2	"	7.00	2	14.00	"	88	
3	"	5.10	4	20.40	"	129	
4	Φ16	3.15	92	289.80	1.58	458	
5	"	4.80	72	345.60	"	596	
6	"	2.20	88	193.60	"	306	
7	"	2.60	52	153.20	"	214	
8	"	1.45	46	66.70	"	105	
9	Φ10	0.69	12	7.68	0.616	5	
E 1	Φ16	1.51	33	49.83	1.58	79	
2	Φ12	8.66	2	17.32	0.888	15	866

Bar mark	Type size	length +laps (m)	NO	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (mm)
WL 1	Φ25	8.00	5	40.00	385	154	
2	Φ20	4.83	19	91.77	247	227	
3	"	4.03	8	32.24	"	80	
4	"	3.20	13	41.60	"	103	
5	Φ16	4.83	9	43.47	1.58	69	
6	"	3.20	5	16.00	"	25	
7	"	2.40	8	19.20	"	30	
8	"	4.83	28	135.24	"	214	
9	"	3.83	8	30.64	"	48	
10	"	4.91	3	14.73	"	23	
11	"	3.14	10	31.40	"	50	
12	"	4.73	3	14.19	"	22	
13	"	2.99	10	29.90	"	47	
14	"	10.85	26	282.10	"	146	
15	"	8.30	4	33.20	"	52	
16	"	2.20	30	66.00	"	104	

Bar mark	Type size	length +laps (m)	NO.	Total length (m)	Unit Weight (Kg/m)	Total Weight (kg)	Shape (mm)
WL17	Φ16	6.40	2	12.80	1.58	20	
18	"	2.25	22	49.50	"	78	
19	"	3.08	4	12.32	"	19	
20	"	1.95	4	7.80	"	12	
21	"	2.76	15	41.40	"	65	
22	"	1.03	28	28.84	"	76	
23	"	1.44	23	33.12	"	52	
24	Φ12	7.33	2	14.66	0.888	13	733
WR1	Φ25	8.50	5	42.50	3.85	164	
2	Φ20	4.83	20	96.60	2.47	239	
3	"	4.03	8	32.24	"	80	
4	"	3.20	16	51.20	"	126	
5	Φ16	4.83	9	43.47	1.58	69	
6	"	3.20	3	9.60	"	15	
7	"	2.40	8	19.20	"	30	

Bar mark	Type size	length +laps (m)	NO	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (cm)
WR8	Φ16	4.83	29	140.07	1.58	221	91 433
9	"	3.83	8	30.64	"	48	91 353
10	"	4.91	3	14.73	"	23	415 46
11	"	3.14	8	25.12	"	40	430~105 46
12	"	4.73	3	14.19	"	22	427 46
13	"	2.99	8	23.92	"	38	415~90 46
14	"	11.09	29	266.16	"	421	(100)(50) (105)(45) (110)(40) 47 46
15	"	8.96	6	53.76	"	85	844 50
16	"	1.95	26	50.70	"	80	575 295 25
17	"	5.80	2	11.60	"	18	90 30 28
18	"	2.25	22	49.50	"	78	91 155 30
19	"	3.08	5	15.40	"	29	91 218 30
20	"	1.95	8	15.60	"	25	91 135 30
21	"	2.76	15	41.40	"	65	91 216 30
22	"	0.96	26	24.96	"	39	40 16
23	"	1.03	26	26.78	"	42	91 13

Bar mark	Type size	length +laps (m)	NO.	Total length (m)	Unit weight (Kg/m)	Total weight (kg)	Shape (cm)
24	Φ16	1.44	26	37.44	1.58	59	50 ┌─┐ └─┘
25	Φ12	6.83	4	27.32	0.888	24	183
F1	Φ20	2.75	85	233.75	2.47	577	205 ┌──┐ └──┘
2	Φ16	2.59	43	111.37	1.58	176	189 ┌──┐ └──┘
3	"	10.46	33	345.18	"	545	1046
4	"	10.46	33	345.18	"	545	1046
5	"	5.10	39	198.90	"	314	70 ┌──┐ └──┘
6	"	5.10	43	219.30	"	346	70 ┌──┐ └──┘
7	"	2.20	34	74.80	"	118	220
8	"	11.86	7	83.02	"	131	70 ┌──┐ └──┘
9	"	6.80	2	13.60	"	21	81 ┌──┐ └──┘
10	"	11.46	2	22.92	"	36	81 ┌──┐ └──┘
11	Φ12	11.86	7	83.02	0.888	74	70 ┌──┐ └──┘
F1°	Φ16	2.90	33	95.70	1.58	151	20 ┌──┐ └──┘
F2°	"	2.39	69	164.91	"	261	20 ┌──┐ └──┘

S.T. LOUIS

P₁ PIER

P₁ · P₂ ; Same bar schedule

Bar mark	Type size	length +laps (m)	NO	Total length (m)	Unit Weight (kg/m)	Total weight (kg)	Shape (cm)
B 1	Φ32	11.80	2	23.60	6.31	149	
2	"	11.60	12	141.60	"	893	
3	"	9.80	2	19.60	"	124	
4	"	10.55	4	42.20	"	266	
5	"	9.03	7	36.12	"	228	
6	"	7.47	4	29.88	"	189	
7	Φ20	10.56	8	84.48	2.47	209	
8	Φ16	7.80	6	58.80	1.58	93	
9	"	5.10	4	20.40	"	32	
B° 1	Φ20	4.18	27	112.86	2.47	279	
2	"	3.17	59	171.18	"	423	
3	"	1.65	54	89.10	"	220	
4	"	1.22	27	113.94	"	281	
5	"	3.21	54	173.34	"	428	
6	"	5.06	11	55.66	"	138	

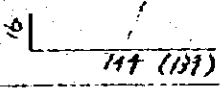
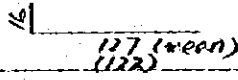
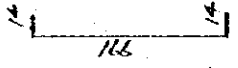
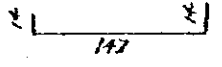
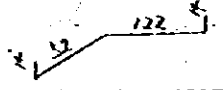
Bar mark	Type size	length +laps (m)	NO	Total length (m)	Unit weight (Kg/m)	Total weight (kg)	Shape (cm)
C 1	Φ 32	15.70	30	471.00	6.31	3010	
2	Φ 12	5.24	81	424.44	0.888	377	
3	"	1.45	88	127.60	"	113	
F 1	Φ 20	7.10	17	333.70	2.47	824	
2	"	7.10	47	333.70	"	824	
3	Φ 16	8.80	24	211.20	1.58	334	
4	"	8.80	24	211.20	"	334	
5	"	6.80	8	54.40	"	86	
6	"	6.80	8	54.40	"	86	
F ^o 1	"	3.80	64	234.20	"	384	
			Φ 32			4859 ^{kg}	
			Φ 20			3626 ^{kg}	
			Φ 16			1349 ^{kg}	
			Φ 12			490 ^{kg}	
		GRAND TOTAL				10324 ^{kg}	

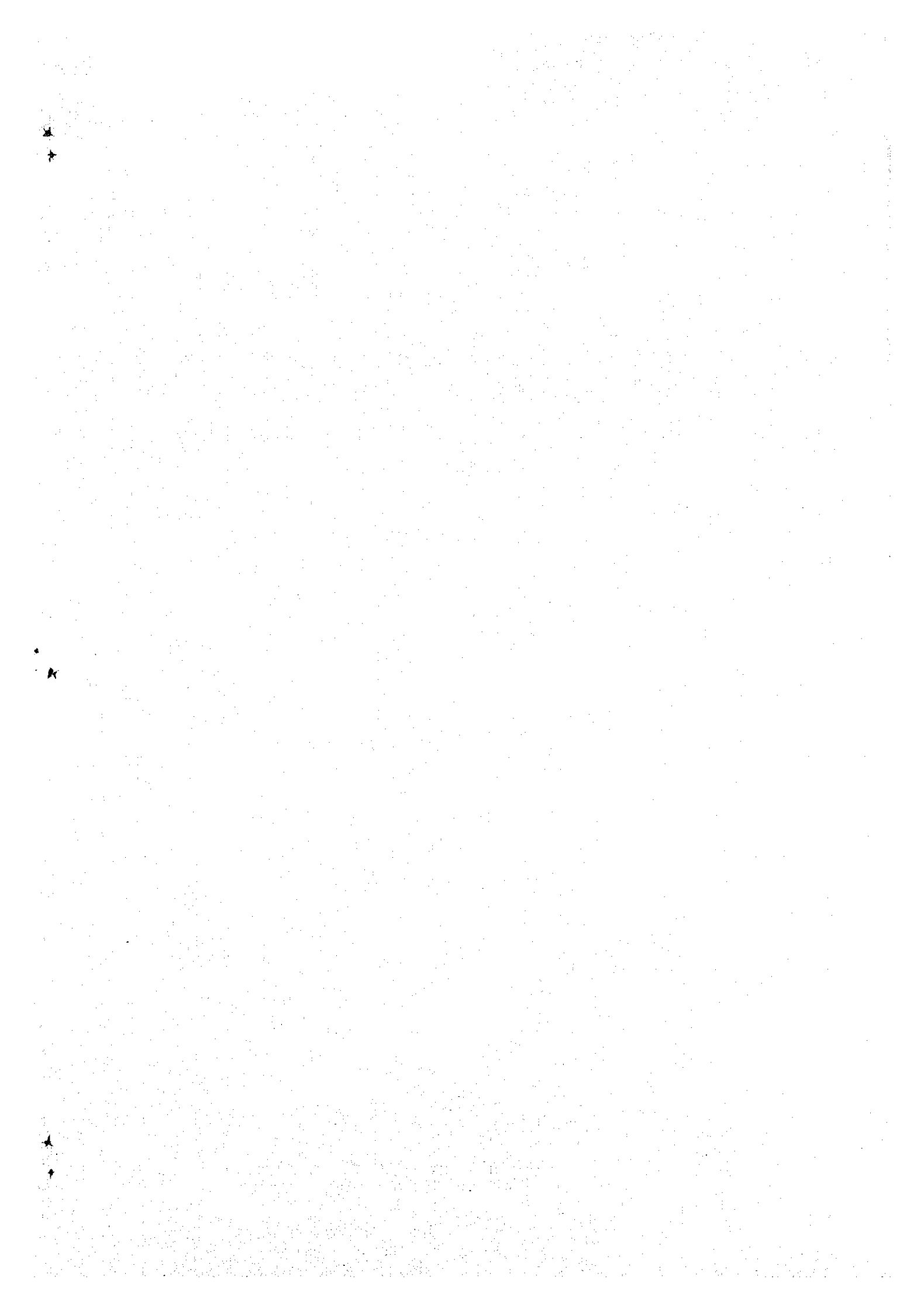
§ § 3 APPROACH SLAB
AND NEWEL POST

BAR SCHEDULE

Bar mark	Type size	Length + laps (m)	No.	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (cm)	
S 1	Φ 16	5.00	55	275.00	1.58	435	500	
2	Φ 12	4.02	28	112.56	0.888	100	350 20 18	
3	'	2.09	28	58.52	'	52	195 14	
4	'	8.10	53	429.30	'	381	810	
ANCHOR BAR	Φ 16	0.50	17	8.50	1.58	13	50	
					Φ 16	448		
					Φ 12	533		
					Σ	981		
		Grand Total		GR.N.W A-Lin	GR.N.W B-Lin	ST.L.Ri. A-Lin	ST.L.Ri. B-Lin	(kg) SUM
			Φ 16	448	896	896	896	3136
			Φ 12	533	1066	1066	1066	5731

BAR SCHEDULE *Newel post*

Bar mark	Type size	Length + laps (m)	No.	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (cm)		
N1	Φ16	(1.55) 1.60	14	(21.70) 22.70	1.58	(34 kg) 35 kg			
N2	"	(1.38) 1.43	6	(8.28) 8.58	"	(13 kg) 14 kg			
N3	Φ12	1.94	6	11.64	0.888	10 kg			
N4	"	1.70	2	3.40	"	3 kg			
N5	"	2.02	2	4.04	"	4 kg			
						(47 kg) 49 kg			
						17 kg			
						(64 kg) 66 kg	/ 1- NEWEL POST		
() shall be applied in case of the Newel posts adjoin the carriage way.									
Grand Total					G.R.N.W A-LINE	G.R.N.W B-LINE	St.L.Ri A-LINE	St.L.Ri B-LINE	(kg) SUM
			Φ16	192	192	192	192	768	
			Φ12	68	68	68	68	272	



5. Pedestrian Bridge and Aquaduct (STA. 57)

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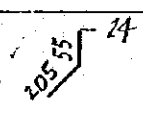

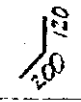
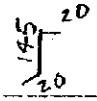
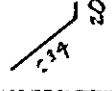
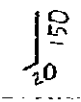
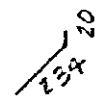
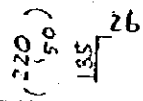
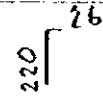
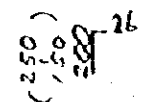
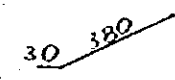
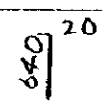

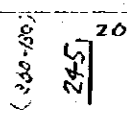
§ 1. Hindu Temple Pedestrian . BR.

1. A1 Abutment

BAR SCHEDULE

Bar mark	Type size	Length + laps (m)	No.	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (mm)
P1	16	1.92	21	40.32	1.58	64	$\begin{array}{c} 16 \\ \\ 176 \end{array}$
2	"	1.92	12	23.04	"	36	$\begin{array}{c} 16 \\ \\ 176 \end{array}$
3	12	2.86	13	37.18	0.888	33	<u>286</u>
						133 kg	
K1	12	1.16	4	4.64	0.888	4	$\begin{array}{c} 16 \\ \\ 50 \square 50 \end{array}$
A1	16	5.22	21	109.52	1.58	173	$\begin{array}{c} 202 \\ \\ 20 \end{array}$
2	"	5.22	12	62.64	"	99	$\begin{array}{c} 202 \\ \\ 20 \end{array}$
3	12	2.86	16	45.76	0.888	41	<u>286</u>
4	"	2.86	15	42.90	"	38	<u>286</u>
5	16	1.86	12	22.32	1.58	35	$\begin{array}{c} 76 \\ \\ 55 \square 55 \end{array}$
6	"	2.86	2	5.72	"	9	<u>286</u>
						395 kg	

BAR SCHEDULE

Bar mark	Type size	Length + laps (m)	No.	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (mm)
W1	16	2.84	8	22.72	1.58	36	
2	"	3.20	18	57.60	"	91	
3	12	3.20	11	35.20	0.888	31	
4-1	"	1.85	5	9.25	"	8	
4-2	"	2.54	5	12.70	"	11	
5-1	"	1.70	15	25.50	"	23	
5-2	"	2.54	15	38.10	"	34	
6	"	1.61	35	56.35	"	50	
7	"	2.46	5	12.30	"	11	
8	"	2.26	3	6.78	"	6	
9	"	4.10	2	8.20	"	7	
10	"	6.60	17	112.20	"	100	
11	"	6.40	9	57.60	"	51	
12	"	2.65	5	13.25	"	12	
13	"	2.65	5	13.25	"	12	"

BAR SCHEDULE

Bar mark	Type size	Length + laps (m)	No.	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (cm)
W ₁₄	12	5.40	2	10.80	0.888	10	
k ₁	"	1.16	15	17.40	"	15	
k ₂	"	4.29	2	8.58	"	8	
						516	($\phi 16$ 3.12) (127 + 389)
W ₁₁	20	2.45	8	19.60	2.47	48	
1-2	12	2.51	4	10.04	0.888	9	
2-1	20	2.70	14	37.80	2.47	93	
2-2	12	2.01	22	44.22	0.888	39	(240-100)
3-1	12	2.60	15	39.00	"	35	
3-2	12	1.05	15	15.75	"	14	
4	12	2.50	5	12.50	"	11	
5	12	2.75	15	41.25	"	37	
6	12	1.86	3	5.58	"	5	
7	12	1.31	9	11.79	"	10	




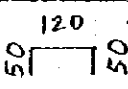
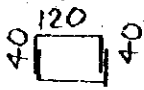
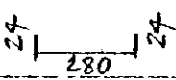
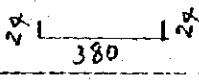
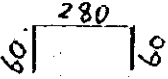
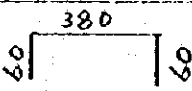
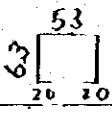
BAR SCHEDULE

Bar mark	Type size	Length + laps (m)	No.	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (cm)
W ₈	12	6.32	14	88.48	0.888	79	632
9	"	6.32	7	44.24	"	39	"
10	"	2.30	8	18.40	"	16	(210-180) 230
11	"	4.40	2	8.80	"	8	50 055
K ₁	"	1.16	12	13.92	"	12	16 50 120
K ₂	"	3.62	2	7.24	"	6	22 285
						461	110 (220 212) 1414 320
		Total				(kg)	
			141	888	940	Total	
		Parapet		100	37	137	
		Wall		316	79	395	
		Footing		345	115	460	
		Wing (1)		127	389	516	
		Wing (2)	141		320	461	
		Total (kg)	141	888	940	1969	(kg)

2 Pi Pier,

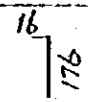


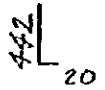

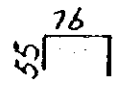
(Hindu Temple Pedc. BR)

BAR SCHEDULE

Bar mark	Type size	Length + laps (m)	No.	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (cm)
A ₁	25	7.00	20	140.00	3.85	539	
2	16	1.40	9	12.60	1.58	20	
3	"	1.20	2	2.40	"	4	
4	"	2.20	1	2.20	"	3	
5	12	2.00	48	96.00	0.888	85	
						651 kg	
F ₁	16	3.28	27	88.56	1.58	140	
2	"	4.28	23	98.44	"	156	
3	12	4.00	15	60.00	0.888	53	
4	"	5.00	13	65.00	"	58	
5	"	2.19	40	87.60	"	78	
						485 kg	
				∅ 25	539		
				∅ 16	323		
				∅ 12	274		
				Total	1136	kg	

3. A₂ Abutment
(Hindu Temple Pedc. Br.)

BAR SCHEDULE

Bar mark	Type size	Length + laps (m)	No.	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (cm)
P ₁	16	1.92	21	40.32	1.58	64	
P ₂	"	1.92	12	23.04	"	36	
P ₃	12	2.86	13	37.18	0.888	33	<u>286</u>
						133 ^{kg}	
K ₁	12	1.16	4	4.64	0.888	4	
A ₁	16	4.62	21	97.02	1.58	153	
2	"	4.62	12	55.44	"	87	
3	12	2.86	14	40.04	0.888	36	<u>2.86</u>
4	"	2.86	13	37.18	"	33	<u>2.86</u>
5	16	1.86	12	22.32	1.58	35	
6	"	2.86	2	5.72	"	9	<u>2.86</u>
						353 ^{kg}	

BAR SCHEDULE

Bar mark	Type size	Length + laps (m)	No.	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (cm)
F ₁	16	5.00	11	55.00	1.58	87	70 $\overline{360}$ 70
2	"	4.08	11	44.88	"	71	24 $\overline{360}$ 24
3	"	3.15	8	25.20	"	40	$\overline{245}$ 70
4	"	1.79	8	14.32	"	23	24 $\overline{155}$
5	12	2.80	24	67.20	0.888	60	$\overline{280}$
						281 kg	
W ₁	12	5.71	8	45.68	0.888	41	$\overline{571}$
2	"	5.34	20	106.80	"	95	$\overline{571} - 496$ 534
3	"	2.63	76	199.88		177	$\overline{263}$
4	"	2.42	12	29.04		26	$\overline{206} \overline{16} \overline{20} \overline{206} \overline{16} \overline{20}$
5	"	1.67	14	23.38		21	$\overline{176} \overline{131} \overline{16} \overline{131} \overline{16} \overline{20}$
K ₁	"	1.16	14	16.24		14	$\overline{50} \overline{16} \overline{50}$
K ₂	"	2.23	4	8.92		8	$\overline{63} \overline{160}$
						382 kg	

4 U-Type Retaining wall

(Hindu Temple Pede. BR.)

BAR SCHEDULE

Bar mark	Type size	Length + laps (m)	No.	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (cm)
U ₁	16	3.28	17	55.76	1.58	88	24 — 280 — 24
2	"	1.99	34	67.66	"	107	(233-112) 24 175
3	12	2.06	52	107.12	0.888	95	15 — 190
4	"	3.20	9	28.80	"	26	20 — 280 — 20
5	"	1.75	18	31.50	"	28	(233-113) 175
6	"	2.53	52	131.56	"	117	253
7	"	1.50	18	27.00	"	24	253-46 150
8	"	2.26	17	38.42	"	34	226
9	"	2.26	11	24.86	"	22	226
						541 kg	

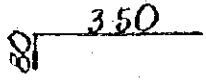
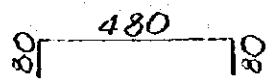
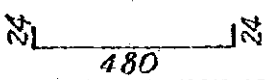
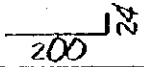
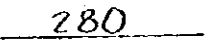
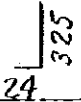


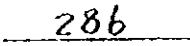
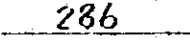
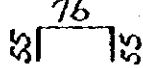
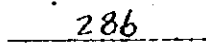
BAR SCHEDULE

Bar mark	Type size	Length + laps (m)	No.	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (cm)
U ₁₁	16	3.28	33	108.24	1.58	171	24 280 24
12	"	1.54	18	27.72	"	44	130 24 130 24
	"	1.09	20	21.80	"	34	(130) 24 (130) 24
13-1	12	2.06	58	119.48	0.888	106	16 190
13-2	"	1.53	42	64.26	"	57	16 137 (130) 24
14	"	3.20	17	54.40	"	48	20 280 20
15	"	0.85	20	17.00	"	15	(130) 24 130 24
16	"	5.01	16	80.16	"	71	110 391
17	"	3.13	32	100.16	"	89	110 203 (391) 15
18	"	4.66	17	79.22	"	70	466
19	"	4.66	11	51.26	"	46	466
						751 ^{kg}	
				Total	Φ 16	Φ 12	Total
				U	195	346	541 ^{kg}
				U	249	502	751
				Total ^{kg}	444	848	1292

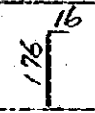

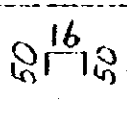
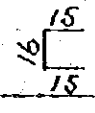

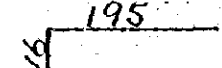
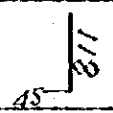
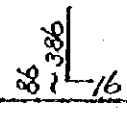
§ 2. Beau Bassin

1. Air Abutment

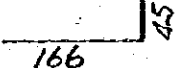
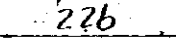


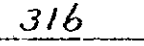
BAR SCHEDULE

Bar mark	Type size	Length + laps (m)	No.	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (cm)
F1	20	4.30	8	34.40	2.47	85	
F2	16	6.40	11	70.40	1.58	111	
F3	"	5.28	11	58.08	"	92	
F4	"	2.24	8	17.92	"	28	
F5	12	2.80	33	92.40	0.888	82	
						398 ^{kg}	
A1	20	3.49	21	73.29	2.47	181	
A2	16	3.60	21	75.60	1.58	119	
A3	"	7.02	12	84.24	"	133	
A4	12	2.86	21	60.06	0.888	53	
A5	"	2.86	20	57.20	"	51	
A6	16	1.86	12	22.32	1.58	35	
A7	"	2.86	2	5.72	"	9	
						581 ^{kg}	

BAR SCHEDULE

Bar mark	Type size	Length + laps (m)	No.	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (cm)
P1	16	1.92	21	40.32	1.58	64	
P2	"	1.92	12	23.04	"	36	
P3	12	2.86	13	37.18	0.888	33	<u>286</u>
						133 kg	
K1	12	1.16	4	4.64	0.888	4	
						4 kg	
W1	16	2.26	36	81.36	1.58	129	<u>226</u>
W2	"	1.66	14	23.24	"	37	<u>166</u>
W3	12	2.72	44	119.68	0.888	106	 <u>226</u>
W4	"	1.36	56	76.16	"	68	 <u>45 ~ 195</u>
W5	"	2.11	18	37.98	"	34	
W6	"	8.56	32	273.92	"	243	
W7	"	2.52	16	40.32	"	36	

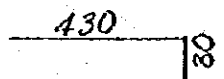
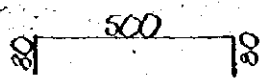
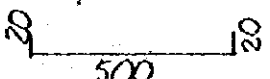
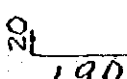
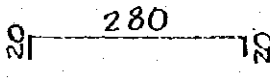
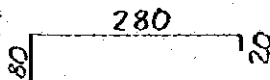
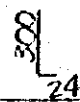

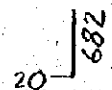
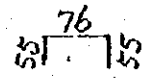
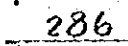
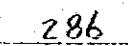
BAR SCHEDULE

Bar mark	Type size	Length + laps (m)	No.	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (cm)
W8	12	2.11	8	16.88	0.888	15	
W9	"	2.26	40	90.40	"	80	
W10	"	4.83	4	19.32	"	17	
						765 ^{kg}	
K ₁ ²	12	1.16	20	23.20	0.888	21	
K ₂ ²	"	3.16	4	12.64	"	11	
						32 ^{kg}	
				Φ 20		266	
				Φ 16		193	
				Φ 12		854	
						1.913 ^{kg}	

2. A2 Abutment

(Beau Bassin Pede. B.R.)

BAR SCHEDULE

Bar mark	Type size	length + laps (m)	No.	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (cm)
F1	20	5.10	8	40.80	2.47	101	
F2	16	6.60	11	72.60	1.58	115	
F3	"	5.40	11	59.40	"	94	
F4	"	2.10	8	16.80	"	27	
F5	12	3.20	27	84.60	0.888	77	
F6	"	3.80	8	30.40	"	27	
						441 kg	104
A1	20	3.24	21	68.04	2.47	168	
A2	16	4.47	21	93.87	1.58	148	
A3	"	7.02	12	84.24	"	133	
A6	"	1.86	12	22.32	"	35	
A7	"	2.86	2	5.72	"	9	
A4 5	12	2.86	41	117.26	0.888	104	

(A2) About

BAR SCHEDULE

Bar mark	Type size	Length + laps (m)	No.	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (cm)
						597 ^{kg}	(104)
P ₁ ₂	16	1.92	33	63.36	1.58	100	176 16
P ₁ ₃	12	2.86	13	37.18	0.888	33	286
						133 ^{kg}	(33)
W ₁	12	2.02	57	115.14	0.888	102	16 186
W ₁ ₂	"	1.87	12	22.44	"	20	16 126 45
W ₁ ₃	"	8.26	8	66.08	"	59	211 15
W ₂ ₁	16	2.80	21	58.80	1.58	93	20 260
W ₂ ₂	12	6.06	11	66.66	0.888	59	606
W ₂ ₃	"	8.26	11	90.86	"	81	15 81
W ₂ ₄	"	4.56	78	355.68	"	316	456
W ₂ ₅	"	3.96	8	31.68	"	28	396
W ₂ ₆	"	4.41	8	35.28	"	31	45 396

12/12
2

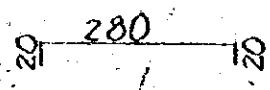
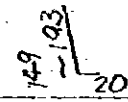
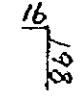
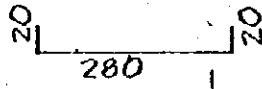

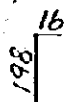
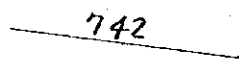
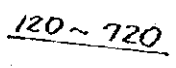
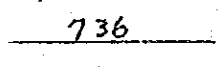
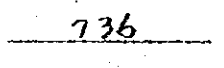
BAR SCHEDULE

Bar mark	Type size	Length + laps (m)	No.	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (cm)
W3 ₁	16	3.01	31	93.31	1.58	147	
W3 ₂	12	3.12	17	53.04	0.888	47	
W3 ₃	"	6.62	21	139.02	"	123	
W3 ₄	"	2.38	33	78.54	"	70	
W3 ₅	"	6.62	12	79.44	"	71	
W3 ₆	"	3.72	16	59.52	"	53	
W3 ₇	"	3.94	8	31.52	"	28	
						1.328 ^{kg}	(10.31)
K1	12	1.16	4	4.64	0.888	4	
K1	"	1.16	4	4.64	"	4	
K1 ₂	"	1.26	2	2.52	"	2	
K2 ₁	"	1.16	11	12.76	"	11	
K2 ₂	"	3.96	2	7.92	"	7	
K3 ₁	"	1.16	12	13.92	"	12	

3 U-Type Retaining wall

(Beau Bassin Pede. BR.)

BAR SCHEDULE

Bar mark	Type size	Length + laps (m)	No.	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (cm)
U 1	16	3.20	49	156.80	1.58	248	
U 2	"	1.91	98	187.18	"	296	
U 3	12	2.14	98	209.72	0.888	186	
U 4	"	3.20	25	80.00	"	71	
U 5	"	1.71	50	85.50	"	76	
U 6	"	2.14	50	107.00	"	95	
U 7	"	7.42	52	385.84	"	343	
U 8	"	4.20	18	75.60	"	67	
U 9	"	7.36	17	125.12	"	111	
U 10	"	7.36	11	80.96	"	72	
						1569 ^{kg}	
				Φ 16		544	
				Φ 12		950	
						1,565 ^{kg}	

37

70

67

§ 3 STA 59 AQUEDUCT

1. P1 Pier

STA 57 AQUEDUCT

BAR SCHEDULE FOR P1 PIER

Bar mark	Type size	Length + laps (m)	No.	Total length (m)	Unit weight (kg/m)	Total weight (kg)	Shape (cm)
C1	32	10.90	28	305.20	6.31	1926	
2	16	2.45	39	95.55	1.58	151	
T1	"	1.60	9	14.40	"	23	
2	"	2.20	4	8.80	"	14	
F1	20	4.90	21	102.90	2.47	251	
2	"	3.40	31	105.40	"	260	
3	16	6.30	11	69.30	1.58	109	
4	"	4.80	16	76.80	"	121	
5	"	3.12	20	62.40	"	99	
					Σ	2957	
		Total		(kg)			
			Φ32	1926			
			Φ20	514			
			Φ16	517			
			Σ	2957			

