


MEMORIA DE CÁLCULO ESTRUTURAL

Fundação		Carga (tf)														Carga máxima (tf)	
Nome	Seção (cm)	Peso próprio	Adicional	Solo	Acidental	Água	Subpressão	Vento X+	Vento X-	Vento Y+	Vento Y-	Desapru X+	Desapru X-	Desapru Y+	Desapru Y-	Positiva	Negativa
P1	19x19	2.34	-0.01	0.00	0.43	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.01	0.01	-0.01	2.78	0.00
P2	19x19	2.35	-0.01	0.00	0.44	0.00	0.00	0.00	0.00	0.00	0.00	0.01	-0.01	0.01	-0.01	2.79	0.00
P3	14x30	1.18	1.03	0.00	0.15	0.00	0.00	0.00	0.00	0.01	-0.01	-0.02	0.02	0.02	-0.02	2.38	0.00
P4	14x30	2.02	1.23	0.00	0.41	0.00	0.00	0.00	0.00	0.00	0.00	0.01	-0.01	0.01	-0.01	3.67	0.00
P5	14x30	1.41	1.12	0.00	0.20	0.00	0.00	0.00	0.00	0.01	-0.01	0.01	-0.01	0.02	-0.02	2.76	0.00
P6	14x30	3.21	1.57	0.00	0.58	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	0.02	0.01	-0.01	5.38	0.00
P7	14x30	3.19	1.56	0.00	0.58	0.00	0.00	0.00	0.00	0.00	0.00	0.02	-0.02	0.01	-0.01	5.35	0.00
P8	19x30	2.58	2.20	0.00	0.38	0.00	0.00	0.00	0.00	0.00	0.00	-0.02	0.02	-0.01	0.01	5.19	0.00
P9	19x30	3.68	1.29	0.00	1.26	0.00	0.00	0.00	0.00	0.00	0.00	0.01	-0.01	-0.01	0.01	6.23	0.00
P10	19x30	2.95	2.21	0.00	0.54	0.00	0.00	0.00	0.00	0.00	0.00	0.01	-0.01	-0.01	0.01	5.71	0.00
P11	19x30	2.90	2.48	0.00	0.33	0.00	0.00	0.00	0.00	0.00	0.00	-0.01	0.01	0.01	-0.01	5.73	0.00
P12	19x30	2.84	2.46	0.00	0.31	0.00	0.00	0.00	0.00	0.00	0.00	0.01	-0.01	0.01	-0.01	5.62	0.00
P13	14x30	0.38	0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	-0.02	1.30	0.00
P14	19x30	2.12	1.74	0.00	0.19	0.00	0.00	0.00	0.00	0.01	0.01	-0.02	0.02	-0.03	0.03	4.07	0.00
P15	19x30	2.08	1.72	0.00	0.17	0.00	0.00	0.00	0.00	0.01	0.01	0.02	-0.02	-0.03	0.03	4.00	0.00



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P1 6	19 x3 0	1.9 3	1.72	0. 0 0	0.24	0. 00	0.00	0. 00	0. 00	0. 00	0. 00	-0.03	0.03	-0.01	0.01	3.9 2	0.0 0
P1 7	19 x3 0	2.9 8	1.55	0. 0 0	0.83	0. 00	0.00	0. 00	0. 00	0. 00	0. 00	0.01	-0.01	-0.02	0.02	5.3 7	0.0 0
P1 8	19 x3 0	2.2 3	1.63	0. 0 0	0.37	0. 00	0.00	0. 00	0. 00	0. 00	0. 00	0.01	-0.01	-0.01	0.01	4.2 5	0.0 0
TOTAL :	42. 38	26.3 9	0. 0 0	7.42	0. 00	0.00	0.00	0. 00	0. 00	0. 00	0. 00	0.00	0.00	0.00	0.00	76.19	

Relatório de Esforços na Fundação por Elementos

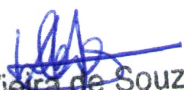
Pilares de Fundações

Fundação S1						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	2.34	0.00	0.00	-0.06	0.07	0.00
Adicional (G2)	-0.01	0.00	0.00	0.00	-0.01	0.00
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	0.43	0.00	0.00	0.05	0.00	0.00
Água (A)	0.00	0.00	0.00	0.00	0.00	0.00
Subpressão (AS)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X- (V2)	0.00	0.00	0.00	0.00	0.00	0.00
Vento Y+ (V3)	0.00	0.00	0.00	0.00	0.00	0.00
Vento Y- (V4)	0.00	0.00	0.00	0.00	0.00	0.00
Desaprumo X+ (D1)	-0.01	0.00	0.00	0.01	0.00	0.00
Desaprumo X- (D2)	0.01	0.00	0.00	-0.01	0.00	0.00
Desaprumo Y+ (D3)	0.01	0.00	0.00	0.00	0.00	0.00
Desaprumo Y- (D4)	-0.01	0.00	0.00	0.00	0.00	0.00
G1+G2+0.7Q+0.6V1+D1	2.62	0.00	0.00	-0.02	0.06	0.00
G1+G2+0.7Q+0.6V2+D2	2.65	0.00	0.00	-0.04	0.06	0.00
G1+G2+0.7Q+0.6V3+D3	2.65	0.00	0.00	-0.03	0.06	0.00
G1+G2+0.7Q+0.6V4+D4	2.62	0.00	0.00	-0.03	0.06	0.00
G1+G2+0.7Q+V1+0.6D1	2.63	0.00	0.00	-0.02	0.06	0.00
G1+G2+0.7Q+V2+0.6D2	2.64	0.00	0.00	-0.04	0.06	0.00
G1+G2+0.7Q+V3+0.6D3	2.64	0.00	0.00	-0.03	0.06	0.00
G1+G2+0.7Q+V4+0.6D4	2.62	0.00	0.00	-0.03	0.06	0.00
G1+G2+D1	2.32	0.00	0.00	-0.05	0.06	0.00
G1+G2+D2	2.34	0.00	0.00	-0.07	0.06	0.00
G1+G2+D3	2.34	0.00	0.00	-0.06	0.06	0.00
G1+G2+D4	2.32	0.00	0.00	-0.06	0.06	0.00
G1+G2+Q+0.6V1+0.6D1	2.76	0.00	0.00	-0.01	0.06	0.00
G1+G2+Q+0.6V2+0.6D2	2.77	0.00	0.00	-0.02	0.06	0.00
G1+G2+Q+0.6V3+0.6D3	2.77	0.00	0.00	-0.02	0.06	0.00
G1+G2+Q+0.6V4+0.6D4	2.76	0.00	0.00	-0.02	0.06	0.00
G1+G2+Q+D1	2.75	0.00	0.00	-0.01	0.06	0.00
G1+G2+Q+D2	2.78	0.00	0.00	-0.03	0.06	0.00
G1+G2+Q+D3	2.78	0.00	0.00	-0.02	0.07	0.00
G1+G2+Q+D4	2.75	0.00	0.00	-0.02	0.06	0.00


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Fundação S2						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	2.35	0.00	0.00	0.06	0.07	0.00
Adicional (G2)	-0.01	0.00	0.00	0.00	-0.01	0.00
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	0.44	0.00	0.00	-0.05	0.00	0.00
Água (A)	0.00	0.00	0.00	0.00	0.00	0.00
Subpressão (AS)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X- (V2)	0.00	0.00	0.00	0.00	0.00	0.00
Vento Y+ (V3)	0.00	0.00	0.00	0.00	0.00	0.00
Vento Y- (V4)	0.00	0.00	0.00	0.00	0.00	0.00
Desaprumo X+ (D1)	0.01	0.00	0.00	0.01	0.00	0.00
Desaprumo X- (D2)	-0.01	0.00	0.00	-0.01	0.00	0.00
Desaprumo Y+ (D3)	0.01	0.00	0.00	0.00	0.00	0.00
Desaprumo Y- (D4)	-0.01	0.00	0.00	0.00	0.00	0.00
G1+G2+0.7Q+0.6V1+D1	2.66	0.00	0.00	0.04	0.06	0.00
G1+G2+0.7Q+0.6V2+D2	2.64	0.00	0.00	0.02	0.06	0.00
G1+G2+0.7Q+0.6V3+D3	2.66	0.00	0.00	0.03	0.06	0.00
G1+G2+0.7Q+0.6V4+D4	2.63	0.00	0.00	0.03	0.06	0.00
G1+G2+0.7Q+V1+0.6D1	2.66	0.00	0.00	0.04	0.06	0.00
G1+G2+0.7Q+V2+0.6D2	2.64	0.00	0.00	0.02	0.06	0.00
G1+G2+0.7Q+V3+0.6D3	2.66	0.00	0.00	0.03	0.06	0.00
G1+G2+0.7Q+V4+0.6D4	2.64	0.00	0.00	0.03	0.06	0.00
G1+G2+D1	2.35	0.00	0.00	0.07	0.06	0.00
G1+G2+D2	2.33	0.00	0.00	0.05	0.06	0.00
G1+G2+D3	2.35	0.00	0.00	0.06	0.06	0.00
G1+G2+D4	2.33	0.00	0.00	0.06	0.06	0.00
G1+G2+Q+0.6V1+0.6D1	2.79	0.00	0.00	0.02	0.06	0.00
G1+G2+Q+0.6V2+0.6D2	2.77	0.00	0.00	0.01	0.06	0.00
G1+G2+Q+0.6V3+0.6D3	2.79	0.00	0.00	0.02	0.06	0.00
G1+G2+Q+0.6V4+0.6D4	2.77	0.00	0.00	0.02	0.06	0.00
G1+G2+Q+D1	2.79	0.00	0.00	0.03	0.06	0.00
G1+G2+Q+D2	2.77	0.00	0.00	0.01	0.06	0.00
G1+G2+Q+D3	2.79	0.00	0.00	0.02	0.06	0.00
G1+G2+Q+D4	2.77	0.00	0.00	0.02	0.06	0.00

Fundação S3						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	1.18	-12.32	-8.40	-0.02	0.03	0.42
Adicional (G2)	1.03	-43.81	-36.56	-0.13	0.12	2.05
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	0.15	0.51	1.11	0.01	0.00	0.01
Água (A)	0.00	0.00	0.00	0.00	0.00	0.00
Subpressão (AS)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	0.00	0.02	1.88	0.00	0.00	-0.01
Vento X- (V2)	0.00	-0.02	-1.88	0.00	0.00	0.01
Vento Y+ (V3)	0.01	-1.94	0.15	0.00	0.00	0.07
Vento Y- (V4)	-0.01	1.94	-0.15	0.00	0.00	-0.07
Desaprumo X+ (D1)	-0.02	0.55	15.77	0.02	0.00	-0.13
Desaprumo X- (D2)	0.02	-0.55	-15.77	-0.02	0.00	0.13
Desaprumo Y+ (D3)	0.02	-8.58	0.25	0.00	0.01	0.12
Desaprumo Y- (D4)	-0.02	8.58	-0.25	0.00	-0.01	-0.12
G1+G2+0.7Q+0.6V1+D1	2.29	-55.21	-27.27	-0.13	0.15	2.35
G1+G2+0.7Q+0.6V2+D2	2.34	-56.34	-61.07	-0.17	0.16	2.62
G1+G2+0.7Q+0.6V3+D3	2.34	-65.52	-43.84	-0.15	0.17	2.64
G1+G2+0.7Q+0.6V4+D4	2.28	-46.03	-44.51	-0.15	0.14	2.32
G1+G2+0.7Q+V1+0.6D1	2.29	-55.42	-32.83	-0.14	0.15	2.40


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G1+G2+0.7Q+V2+0.6D2	2.33	-56.13	-55.52	-0.16	0.16	2.57
G1+G2+0.7Q+V3+0.6D3	2.33	-62.86	-43.88	-0.15	0.17	2.62
G1+G2+0.7Q+V4+0.6D4	2.29	-48.68	-44.47	-0.15	0.14	2.34
G1+G2+D1	2.19	-55.58	-29.18	-0.14	0.15	2.34
G1+G2+D2	2.23	-56.68	-60.72	-0.17	0.16	2.61
G1+G2+D3	2.23	-64.71	-44.71	-0.15	0.17	2.59
G1+G2+D4	2.19	-47.55	-45.20	-0.15	0.14	2.35
G1+G2+Q+0.6V1+0.6D1	2.34	-55.27	-33.25	-0.14	0.15	2.40
G1+G2+Q+0.6V2+0.6D2	2.37	-55.96	-54.43	-0.16	0.16	2.57
G1+G2+Q+0.6V3+0.6D3	2.37	-61.93	-43.61	-0.15	0.17	2.60
G1+G2+Q+0.6V4+0.6D4	2.34	-49.31	-44.08	-0.15	0.14	2.37
G1+G2+Q+D1	2.33	-55.07	-28.07	-0.13	0.15	2.35
G1+G2+Q+D2	2.38	-56.17	-59.61	-0.16	0.16	2.62
G1+G2+Q+D3	2.38	-64.20	-43.60	-0.15	0.17	2.60
G1+G2+Q+D4	2.33	-47.04	-44.09	-0.15	0.14	2.36

Fundação S4						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	2.02	-18.39	-5.08	-0.02	0.05	0.05
Adicional (G2)	1.23	-2.25	-54.01	-0.16	0.00	0.19
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	0.41	0.28	4.00	0.01	0.00	0.00
Água (A)	0.00	0.00	0.00	0.00	0.00	0.00
Subpressão (AS)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	0.00	0.00	2.23	0.00	0.00	0.00
Vento X- (V2)	0.00	0.00	-2.23	0.00	0.00	0.00
Vento Y+ (V3)	0.00	-0.90	0.10	0.00	0.00	0.01
Vento Y- (V4)	0.00	0.90	-0.10	0.00	0.00	-0.01
Desaprumo X+ (D1)	0.01	0.03	18.39	0.02	0.00	-0.08
Desaprumo X- (D2)	-0.01	-0.03	-18.39	-0.02	0.00	0.08
Desaprumo Y+ (D3)	0.01	-6.28	0.03	0.00	0.01	0.02
Desaprumo Y- (D4)	-0.01	6.28	-0.03	0.00	-0.01	-0.02
G1+G2+0.7Q+0.6V1+D1	3.54	-20.41	-36.56	-0.14	0.05	0.16
G1+G2+0.7Q+0.6V2+D2	3.52	-20.48	-76.02	-0.19	0.05	0.32
G1+G2+0.7Q+0.6V3+D3	3.54	-27.26	-56.20	-0.17	0.06	0.26
G1+G2+0.7Q+0.6V4+D4	3.53	-13.63	-56.38	-0.17	0.04	0.21
G1+G2+0.7Q+V1+0.6D1	3.54	-20.42	-43.03	-0.15	0.05	0.19
G1+G2+0.7Q+V2+0.6D2	3.53	-20.47	-69.55	-0.19	0.05	0.29
G1+G2+0.7Q+V3+0.6D3	3.54	-25.11	-56.17	-0.17	0.06	0.26
G1+G2+0.7Q+V4+0.6D4	3.53	-15.78	-56.41	-0.17	0.05	0.21
G1+G2+D1	3.26	-20.61	-40.70	-0.15	0.05	0.16
G1+G2+D2	3.24	-20.67	-77.49	-0.20	0.05	0.31
G1+G2+D3	3.25	-26.92	-59.06	-0.18	0.06	0.25
G1+G2+D4	3.24	-14.36	-59.12	-0.18	0.04	0.22
G1+G2+Q+0.6V1+0.6D1	3.66	-20.34	-42.72	-0.15	0.05	0.19
G1+G2+Q+0.6V2+0.6D2	3.65	-20.38	-67.46	-0.18	0.05	0.29
G1+G2+Q+0.6V3+0.6D3	3.66	-24.67	-55.01	-0.17	0.06	0.26
G1+G2+Q+0.6V4+0.6D4	3.65	-16.06	-55.17	-0.17	0.05	0.22
G1+G2+Q+D1	3.67	-20.33	-36.70	-0.14	0.05	0.16
G1+G2+Q+D2	3.65	-20.39	-73.49	-0.19	0.05	0.31
G1+G2+Q+D3	3.66	-26.64	-55.06	-0.17	0.06	0.26
G1+G2+Q+D4	3.65	-14.08	-55.12	-0.17	0.04	0.22

Fundação S5						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	1.41	-12.15	20.24	0.05	0.03	-0.56
Adicional (G2)	1.12	-29.45	77.06	0.30	0.09	-1.52
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	0.20	-0.01	-0.88	-0.01	0.00	-0.05

Água (A)	0.00	0.00	0.00	0.00	0.00	0.00
Subpressão (AS)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	0.00	-0.02	1.78	0.00	0.00	0.00
Vento X- (V2)	0.00	0.02	-1.78	0.00	0.00	0.00
Vento Y+ (V3)	0.01	-1.90	0.02	0.00	0.00	-0.06
Vento Y- (V4)	-0.01	1.90	-0.02	0.00	0.00	0.06
Desaprumo X+ (D1)	0.01	-0.52	15.13	0.01	0.00	-0.12
Desaprumo X- (D2)	-0.01	0.52	-15.13	-0.01	0.00	0.12
Desaprumo Y+ (D3)	0.02	-8.68	-0.21	0.00	0.02	-0.09
Desaprumo Y- (D4)	-0.02	8.68	0.21	0.00	-0.02	0.09
G1+G2+0.7Q+0.6V1+D1	2.69	-42.14	112.88	0.36	0.12	-2.24
G1+G2+0.7Q+0.6V2+D2	2.66	-41.08	80.48	0.33	0.12	-1.99
G1+G2+0.7Q+0.6V3+D3	2.70	-51.44	96.49	0.34	0.14	-2.24
G1+G2+0.7Q+0.6V4+D4	2.64	-31.79	96.88	0.34	0.10	-1.99
G1+G2+0.7Q+V1+0.6D1	2.68	-41.94	107.54	0.35	0.12	-2.19
G1+G2+0.7Q+V2+0.6D2	2.66	-41.28	85.82	0.33	0.12	-2.04
G1+G2+0.7Q+V3+0.6D3	2.69	-48.72	96.58	0.34	0.13	-2.22
G1+G2+0.7Q+V4+0.6D4	2.65	-34.50	96.78	0.34	0.11	-2.00
G1+G2+D1	2.54	-42.12	112.42	0.37	0.12	-2.20
G1+G2+D2	2.52	-41.09	82.17	0.34	0.12	-1.96
G1+G2+D3	2.55	-50.29	97.09	0.35	0.14	-2.17
G1+G2+D4	2.51	-32.92	97.50	0.35	0.11	-1.99
G1+G2+Q+0.6V1+0.6D1	2.74	-41.94	106.56	0.35	0.12	-2.20
G1+G2+Q+0.6V2+0.6D2	2.72	-41.29	86.27	0.33	0.12	-2.06
G1+G2+Q+0.6V3+0.6D3	2.75	-47.97	96.31	0.34	0.13	-2.22
G1+G2+Q+0.6V4+0.6D4	2.71	-35.27	96.53	0.34	0.11	-2.04
G1+G2+Q+D1	2.75	-42.13	111.55	0.35	0.12	-2.25
G1+G2+Q+D2	2.72	-41.10	81.29	0.32	0.12	-2.01
G1+G2+Q+D3	2.76	-50.30	96.21	0.34	0.14	-2.22
G1+G2+Q+D4	2.71	-32.94	96.63	0.34	0.11	-2.04


Fundação S6						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	3.21	20.20	-20.03	0.01	-0.06	-0.43
Adicional (G2)	1.57	-28.83	-189.76	-0.67	0.08	0.93
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	0.58	0.07	22.26	0.11	0.00	0.02
Água (A)	0.00	0.00	0.00	0.00	0.00	0.00
Subpressão (AS)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	0.00	-0.18	3.12	0.00	0.00	0.06
Vento X- (V2)	0.00	0.18	-3.12	0.00	0.00	-0.06
Vento Y+ (V3)	0.00	-2.46	0.03	0.00	0.00	0.02
Vento Y- (V4)	0.00	2.46	-0.03	0.00	0.00	-0.02
Desaprumo X+ (D1)	-0.02	-1.38	29.64	0.03	0.00	0.53
Desaprumo X- (D2)	0.02	1.38	-29.64	-0.03	0.00	-0.53
Desaprumo Y+ (D3)	0.01	-13.04	0.21	0.00	0.02	0.02
Desaprumo Y- (D4)	-0.01	13.04	-0.21	0.00	-0.02	-0.02
G1+G2+0.7Q+0.6V1+D1	5.17	-10.07	-162.70	-0.55	0.02	1.10
G1+G2+0.7Q+0.6V2+D2	5.20	-7.09	-225.73	-0.61	0.02	-0.05
G1+G2+0.7Q+0.6V3+D3	5.19	-23.09	-193.98	-0.58	0.05	0.56
G1+G2+0.7Q+0.6V4+D4	5.18	5.93	-194.44	-0.58	-0.01	0.48
G1+G2+0.7Q+V1+0.6D1	5.18	-9.59	-173.31	-0.56	0.02	0.91
G1+G2+0.7Q+V2+0.6D2	5.20	-7.57	-215.11	-0.60	0.02	0.14
G1+G2+0.7Q+V3+0.6D3	5.19	-18.86	-194.06	-0.58	0.04	0.56
G1+G2+0.7Q+V4+0.6D4	5.18	1.70	-194.37	-0.58	0.00	0.49
G1+G2+D1	4.76	-10.01	-180.16	-0.63	0.02	1.04
G1+G2+D2	4.79	-7.25	-239.44	-0.68	0.02	-0.03
G1+G2+D3	4.79	-21.67	-209.59	-0.66	0.04	0.53
G1+G2+D4	4.77	4.41	-210.01	-0.66	-0.01	0.48
G1+G2+Q+0.6V1+0.6D1	5.35	-9.50	-167.88	-0.53	0.02	0.89
G1+G2+Q+0.6V2+0.6D2	5.37	-7.62	-207.19	-0.56	0.02	0.17


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G1+G2+Q+0.6V3+0.6D3	5.37	-17.86	-187.39	-0.54	0.04	0.56
G1+G2+Q+0.6V4+0.6D4	5.36	0.74	-187.68	-0.55	0.00	0.50
G1+G2+Q+D1	5.35	-9.94	-157.89	-0.52	0.02	1.06
G1+G2+Q+D2	5.38	-7.18	-217.18	-0.57	0.02	0.00
G1+G2+Q+D3	5.37	-21.60	-187.32	-0.54	0.04	0.56
G1+G2+Q+D4	5.35	4.48	-187.75	-0.55	-0.01	0.51

Fundação S7						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	3.19	20.23	16.76	-0.01	-0.06	0.43
Adicional (G2)	1.56	-28.76	189.49	0.67	0.08	-0.98
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	0.58	0.12	-22.46	-0.11	0.00	-0.01
Água (A)	0.00	0.00	0.00	0.00	0.00	0.00
Subpressão (AS)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	0.00	0.18	3.12	0.00	0.00	0.06
Vento X- (V2)	0.00	-0.18	-3.12	0.00	0.00	-0.06
Vento Y+ (V3)	0.00	-2.46	-0.03	0.00	0.00	-0.02
Vento Y- (V4)	0.00	2.46	0.03	0.00	0.00	0.02
Desaprumo X+ (D1)	0.02	1.38	29.65	0.03	0.00	0.53
Desaprumo X- (D2)	-0.02	-1.38	-29.65	-0.03	0.00	-0.53
Desaprumo Y+ (D3)	0.01	-12.98	-0.06	0.00	0.02	-0.02
Desaprumo Y- (D4)	-0.01	12.98	0.06	0.00	-0.02	0.02
G1+G2+0.7Q+0.6V1+D1	5.18	-6.95	222.05	0.61	0.02	0.02
G1+G2+0.7Q+0.6V2+D2	5.14	-9.93	159.02	0.55	0.02	-1.13
G1+G2+0.7Q+0.6V3+D3	5.17	-22.90	190.46	0.58	0.05	-0.59
G1+G2+0.7Q+0.6V4+D4	5.15	6.02	190.61	0.58	-0.01	-0.52
G1+G2+0.7Q+V1+0.6D1	5.17	-7.43	211.44	0.60	0.02	-0.17
G1+G2+0.7Q+V2+0.6D2	5.15	-9.45	169.63	0.56	0.02	-0.94
G1+G2+0.7Q+V3+0.6D3	5.17	-18.69	190.47	0.58	0.04	-0.59
G1+G2+0.7Q+V4+0.6D4	5.15	1.81	190.60	0.58	0.00	-0.52
G1+G2+D1	4.77	-7.15	235.90	0.68	0.02	-0.01
G1+G2+D2	4.74	-9.90	176.61	0.63	0.02	-1.08
G1+G2+D3	4.76	-21.51	206.19	0.66	0.04	-0.56
G1+G2+D4	4.75	4.46	206.32	0.66	-0.01	-0.53
G1+G2+Q+0.6V1+0.6D1	5.34	-7.47	203.46	0.56	0.02	-0.20
G1+G2+Q+0.6V2+0.6D2	5.32	-9.34	164.14	0.53	0.02	-0.92
G1+G2+Q+0.6V3+0.6D3	5.34	-17.67	183.74	0.54	0.04	-0.58
G1+G2+Q+0.6V4+0.6D4	5.33	0.86	183.85	0.55	0.00	-0.53
G1+G2+Q+D1	5.35	-7.03	213.44	0.57	0.02	-0.03
G1+G2+Q+D2	5.32	-9.79	154.15	0.52	0.02	-1.09
G1+G2+Q+D3	5.34	-21.39	183.74	0.54	0.04	-0.58
G1+G2+Q+D4	5.33	4.58	183.86	0.55	-0.01	-0.54


Fundação S8						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	2.58	-54.99	-11.96	-0.03	0.13	1.74
Adicional (G2)	2.20	-213.40	-34.38	-0.11	0.56	9.86
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	0.38	1.77	-0.61	0.00	0.00	-0.01
Água (A)	0.00	0.00	0.00	0.00	0.00	0.00
Subpressão (AS)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	0.00	0.15	1.24	0.00	0.00	0.02
Vento X- (V2)	0.00	-0.15	-1.24	0.00	0.00	-0.02
Vento Y+ (V3)	0.00	-7.64	0.00	0.00	0.01	0.03
Vento Y- (V4)	0.00	7.64	0.00	0.00	-0.01	-0.03
Desaprumo X+ (D1)	-0.02	2.66	13.18	0.02	0.00	-0.01
Desaprumo X- (D2)	0.02	-2.66	-13.18	-0.02	0.00	0.01
Desaprumo Y+ (D3)	-0.01	-35.24	-0.03	0.00	0.04	0.06


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Desaprumo Y- (D4)	0.01	35.24	0.03	0.00	-0.04	-0.06
G1+G2+0.7Q+0.6V1+D1	5.03	-264.40	-32.85	-0.12	0.69	11.59
G1+G2+0.7Q+0.6V2+D2	5.08	-269.90	-60.69	-0.16	0.70	11.59
G1+G2+0.7Q+0.6V3+D3	5.04	-306.98	-46.81	-0.14	0.73	11.66
G1+G2+0.7Q+0.6V4+D4	5.07	-227.32	-46.73	-0.14	0.65	11.52
G1+G2+0.7Q+V1+0.6D1	5.04	-265.40	-37.63	-0.13	0.69	11.60
G1+G2+0.7Q+V2+0.6D2	5.07	-268.89	-55.91	-0.15	0.69	11.58
G1+G2+0.7Q+V3+0.6D3	5.05	-295.94	-46.79	-0.14	0.72	11.65
G1+G2+0.7Q+V4+0.6D4	5.06	-238.36	-46.75	-0.14	0.66	11.53
G1+G2+D1	4.76	-265.72	-33.17	-0.12	0.69	11.59
G1+G2+D2	4.81	-271.05	-59.52	-0.16	0.70	11.60
G1+G2+D3	4.78	-303.63	-46.38	-0.14	0.73	11.65
G1+G2+D4	4.79	-233.15	-46.31	-0.14	0.66	11.54
G1+G2+Q+0.6V1+0.6D1	5.15	-264.93	-38.31	-0.13	0.69	11.59
G1+G2+Q+0.6V2+0.6D2	5.18	-268.30	-55.60	-0.15	0.69	11.58
G1+G2+Q+0.6V3+0.6D3	5.16	-292.35	-46.98	-0.14	0.72	11.64
G1+G2+Q+0.6V4+0.6D4	5.18	-240.88	-46.93	-0.14	0.67	11.54
G1+G2+Q+D1	5.15	-263.95	-33.78	-0.12	0.69	11.58
G1+G2+Q+D2	5.19	-269.28	-60.13	-0.16	0.70	11.60
G1+G2+Q+D3	5.16	-301.86	-46.99	-0.14	0.73	11.64
G1+G2+Q+D4	5.18	-231.37	-46.92	-0.14	0.65	11.53

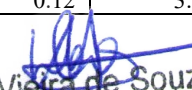
Fundação S9						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	3.68	9.65	-5.43	0.00	-0.05	-0.11
Adicional (G2)	1.29	-3.05	-62.19	-0.18	0.00	0.12
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	1.26	0.80	6.43	0.02	0.00	-0.01
Água (A)	0.00	0.00	0.00	0.00	0.00	0.00
Subpressão (AS)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	0.00	0.00	2.78	0.00	0.00	-0.01
Vento X- (V2)	0.00	0.00	-2.78	0.00	0.00	0.01
Vento Y+ (V3)	0.00	-1.44	0.02	0.00	0.00	0.03
Vento Y- (V4)	0.00	1.44	-0.02	0.00	0.00	-0.03
Desaprumo X+ (D1)	0.01	0.05	29.36	0.04	0.00	-0.22
Desaprumo X- (D2)	-0.01	-0.05	-29.36	-0.04	0.00	0.22
Desaprumo Y+ (D3)	-0.01	-11.62	0.01	0.00	0.01	0.03
Desaprumo Y- (D4)	0.01	11.62	-0.01	0.00	-0.01	-0.03
G1+G2+0.7Q+0.6V1+D1	5.86	7.21	-32.09	-0.13	-0.05	-0.23
G1+G2+0.7Q+0.6V2+D2	5.84	7.11	-94.16	-0.20	-0.05	0.23
G1+G2+0.7Q+0.6V3+D3	5.84	-5.32	-63.10	-0.17	-0.03	0.05
G1+G2+0.7Q+0.6V4+D4	5.86	19.64	-63.15	-0.17	-0.06	-0.05
G1+G2+0.7Q+V1+0.6D1	5.85	7.19	-42.72	-0.14	-0.05	-0.15
G1+G2+0.7Q+V2+0.6D2	5.84	7.13	-83.52	-0.19	-0.05	0.14
G1+G2+0.7Q+V3+0.6D3	5.84	-1.25	-63.09	-0.17	-0.04	0.04
G1+G2+0.7Q+V4+0.6D4	5.85	15.57	-63.15	-0.17	-0.06	-0.05
G1+G2+D1	4.97	6.65	-38.26	-0.15	-0.05	-0.22
G1+G2+D2	4.96	6.55	-96.98	-0.22	-0.05	0.23
G1+G2+D3	4.96	-5.02	-67.61	-0.18	-0.03	0.04
G1+G2+D4	4.97	18.22	-67.63	-0.18	-0.06	-0.03
G1+G2+Q+0.6V1+0.6D1	6.23	7.43	-41.91	-0.14	-0.05	-0.15
G1+G2+Q+0.6V2+0.6D2	6.22	7.37	-80.48	-0.18	-0.05	0.13
G1+G2+Q+0.6V3+0.6D3	6.22	-0.44	-61.17	-0.16	-0.04	0.03
G1+G2+Q+0.6V4+0.6D4	6.23	15.23	-61.21	-0.16	-0.06	-0.04
G1+G2+Q+D1	6.23	7.45	-31.83	-0.12	-0.05	-0.23
G1+G2+Q+D2	6.22	7.35	-90.56	-0.20	-0.05	0.22
G1+G2+Q+D3	6.22	-4.22	-61.18	-0.16	-0.04	0.03
G1+G2+Q+D4	6.23	19.02	-61.21	-0.16	-0.06	-0.04

Fundação S10


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COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	2.95	-42.92	9.38	0.02	0.10	-0.20
Adicional (G2)	2.21	-162.25	79.70	0.28	0.47	-3.32
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	0.54	-0.51	-6.83	-0.03	0.00	-0.25
Água (A)	0.00	0.00	0.00	0.00	0.00	0.00
Subpressão (AS)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	0.00	-0.11	1.14	0.00	0.00	-0.01
Vento X- (V2)	0.00	0.11	-1.14	0.00	0.00	0.01
Vento Y+ (V3)	0.00	-7.52	0.02	0.00	0.01	0.00
Vento Y- (V4)	0.00	7.52	-0.02	0.00	-0.01	0.00
Desaprumo X+ (D1)	0.01	-2.27	12.51	0.02	0.00	-0.24
Desaprumo X- (D2)	-0.01	2.27	-12.51	-0.02	0.00	0.24
Desaprumo Y+ (D3)	-0.01	-35.69	0.05	0.00	0.04	-0.04
Desaprumo Y- (D4)	0.01	35.69	-0.05	0.00	-0.04	0.04
G1+G2+0.7Q+0.6V1+D1	5.55	-207.87	97.50	0.29	0.57	-3.95
G1+G2+0.7Q+0.6V2+D2	5.52	-203.20	71.12	0.26	0.57	-3.45
G1+G2+0.7Q+0.6V3+D3	5.52	-245.74	84.37	0.28	0.61	-3.74
G1+G2+0.7Q+0.6V4+D4	5.55	-165.33	84.24	0.28	0.52	-3.66
G1+G2+0.7Q+V1+0.6D1	5.55	-207.00	92.95	0.29	0.57	-3.85
G1+G2+0.7Q+V2+0.6D2	5.53	-204.06	75.67	0.27	0.57	-3.54
G1+G2+0.7Q+V3+0.6D3	5.53	-234.46	84.36	0.28	0.60	-3.72
G1+G2+0.7Q+V4+0.6D4	5.54	-176.60	84.26	0.28	0.54	-3.67
G1+G2+D1	5.17	-207.45	101.60	0.31	0.57	-3.77
G1+G2+D2	5.15	-202.91	76.58	0.28	0.56	-3.28
G1+G2+D3	5.15	-240.87	89.14	0.30	0.60	-3.56
G1+G2+D4	5.17	-169.48	89.04	0.30	0.53	-3.48
G1+G2+Q+0.6V1+0.6D1	5.71	-207.11	90.45	0.28	0.57	-3.93
G1+G2+Q+0.6V2+0.6D2	5.69	-204.26	74.07	0.26	0.57	-3.62
G1+G2+Q+0.6V3+0.6D3	5.69	-231.61	82.31	0.27	0.60	-3.80
G1+G2+Q+0.6V4+0.6D4	5.70	-179.76	82.22	0.27	0.54	-3.75
G1+G2+Q+D1	5.71	-207.95	94.77	0.29	0.57	-4.02
G1+G2+Q+D2	5.68	-203.41	69.75	0.25	0.57	-3.53
G1+G2+Q+D3	5.69	-241.38	82.31	0.27	0.61	-3.81
G1+G2+Q+D4	5.71	-169.99	82.21	0.27	0.53	-3.74


Fundação S11						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	2.90	-11.69	-33.01	-0.01	0.04	-2.55
Adicional (G2)	2.48	-44.32	-154.49	-0.56	0.11	7.63
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	0.33	-0.21	9.11	0.06	0.00	-1.73
Água (A)	0.00	0.00	0.00	0.00	0.00	0.00
Subpressão (AS)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	0.00	-0.36	3.37	0.00	0.00	0.07
Vento X- (V2)	0.00	0.36	-3.37	0.00	0.00	-0.07
Vento Y+ (V3)	0.00	-4.44	0.01	0.00	0.01	0.05
Vento Y- (V4)	0.00	4.44	-0.01	0.00	-0.01	-0.05
Desaprumo X+ (D1)	-0.01	-2.74	33.25	0.03	0.00	0.54
Desaprumo X- (D2)	0.01	2.74	-33.25	-0.03	0.00	-0.54
Desaprumo Y+ (D3)	0.01	-24.75	0.06	0.00	0.04	0.23
Desaprumo Y- (D4)	-0.01	24.75	-0.06	0.00	-0.04	-0.23
G1+G2+0.7Q+0.6V1+D1	5.60	-59.12	-145.85	-0.49	0.15	4.44
G1+G2+0.7Q+0.6V2+D2	5.63	-53.20	-216.39	-0.55	0.14	3.28
G1+G2+0.7Q+0.6V3+D3	5.62	-83.57	-181.05	-0.52	0.19	4.12
G1+G2+0.7Q+0.6V4+D4	5.60	-28.75	-181.19	-0.52	0.11	3.60
G1+G2+0.7Q+V1+0.6D1	5.60	-58.16	-157.80	-0.50	0.15	4.25
G1+G2+0.7Q+V2+0.6D2	5.62	-54.15	-204.44	-0.54	0.14	3.47
G1+G2+0.7Q+V3+0.6D3	5.62	-75.45	-181.07	-0.52	0.18	4.04
G1+G2+0.7Q+V4+0.6D4	5.61	-36.87	-181.17	-0.52	0.12	3.67


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G1+G2+D1	5.37	-58.76	-154.25	-0.54	0.15	5.61
G1+G2+D2	5.39	-53.27	-220.75	-0.60	0.14	4.54
G1+G2+D3	5.39	-80.77	-187.44	-0.57	0.19	5.30
G1+G2+D4	5.37	-31.26	-187.56	-0.57	0.11	4.85
G1+G2+Q+0.6V1+0.6D1	5.70	-58.08	-156.41	-0.49	0.15	3.70
G1+G2+Q+0.6V2+0.6D2	5.72	-54.36	-200.36	-0.52	0.14	2.98
G1+G2+Q+0.6V3+0.6D3	5.72	-73.73	-178.34	-0.51	0.17	3.50
G1+G2+Q+0.6V4+0.6D4	5.71	-38.71	-178.43	-0.51	0.12	3.17
G1+G2+Q+D1	5.70	-58.96	-145.14	-0.48	0.15	3.87
G1+G2+Q+D2	5.73	-53.48	-211.64	-0.53	0.14	2.80
G1+G2+Q+D3	5.72	-80.97	-178.33	-0.51	0.19	3.57
G1+G2+Q+D4	5.71	-31.47	-178.45	-0.51	0.11	3.11


Fundação S12						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	2.84	-11.64	30.06	0.01	0.04	2.52
Adicional (G2)	2.46	-44.33	154.22	0.56	0.11	-7.54
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	0.31	-0.12	-8.97	-0.06	0.00	1.73
Água (A)	0.00	0.00	0.00	0.00	0.00	0.00
Subpressão (AS)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	0.00	0.36	3.37	0.00	0.00	0.07
Vento X- (V2)	0.00	-0.36	-3.37	0.00	0.00	-0.07
Vento Y+ (V3)	0.00	-4.44	-0.01	0.00	0.01	-0.05
Vento Y- (V4)	0.00	4.44	0.01	0.00	-0.01	0.05
Desaprumo X+ (D1)	0.01	2.74	33.26	0.03	0.00	0.54
Desaprumo X- (D2)	-0.01	-2.74	-33.26	-0.03	0.00	-0.54
Desaprumo Y+ (D3)	0.01	-24.66	-0.08	0.00	0.04	-0.20
Desaprumo Y- (D4)	-0.01	24.66	0.08	0.00	-0.04	0.20
G1+G2+0.7Q+0.6V1+D1	5.53	-53.10	213.28	0.56	0.14	-3.23
G1+G2+0.7Q+0.6V2+D2	5.49	-59.01	142.72	0.50	0.15	-4.40
G1+G2+0.7Q+0.6V3+D3	5.52	-83.38	177.91	0.53	0.19	-4.04
G1+G2+0.7Q+0.6V4+D4	5.50	-28.73	178.09	0.53	0.11	-3.59
G1+G2+0.7Q+V1+0.6D1	5.52	-54.05	201.33	0.55	0.14	-3.42
G1+G2+0.7Q+V2+0.6D2	5.50	-58.06	154.67	0.51	0.15	-4.21
G1+G2+0.7Q+V3+0.6D3	5.52	-75.29	177.94	0.53	0.18	-3.98
G1+G2+0.7Q+V4+0.6D4	5.50	-36.82	178.06	0.53	0.12	-3.65
G1+G2+D1	5.31	-53.23	217.54	0.60	0.14	-4.48
G1+G2+D2	5.28	-58.72	151.02	0.54	0.15	-5.57
G1+G2+D3	5.30	-80.64	184.19	0.57	0.19	-5.22
G1+G2+D4	5.29	-31.31	184.36	0.57	0.11	-4.83
G1+G2+Q+0.6V1+0.6D1	5.61	-54.23	197.29	0.53	0.14	-2.93
G1+G2+Q+0.6V2+0.6D2	5.59	-57.95	153.33	0.49	0.15	-3.67
G1+G2+Q+0.6V3+0.6D3	5.61	-73.55	175.25	0.51	0.17	-3.44
G1+G2+Q+0.6V4+0.6D4	5.60	-38.63	175.37	0.51	0.12	-3.15
G1+G2+Q+D1	5.62	-53.35	208.57	0.54	0.14	-2.75
G1+G2+Q+D2	5.59	-58.83	142.05	0.48	0.15	-3.84
G1+G2+Q+D3	5.61	-80.75	175.23	0.51	0.19	-3.50
G1+G2+Q+D4	5.60	-31.43	175.39	0.51	0.11	-3.10

Fundação S13						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	0.38	-2.39	-60.93	0.03	0.01	-2.49
Adicional (G2)	0.90	-13.07	-207.21	0.09	0.04	-9.00
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	0.00	0.79	-0.46	0.00	0.00	0.07
Água (A)	0.00	0.00	0.00	0.00	0.00	0.00
Subpressão (AS)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	0.00	-0.03	0.56	0.00	0.00	-0.09


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Vento X- (V2)	0.00	0.03	-0.56	0.00	0.00	0.09
Vento Y+ (V3)	0.00	-1.13	-0.11	0.00	0.00	-0.01
Vento Y- (V4)	0.00	1.13	0.11	0.00	0.00	0.01
Desaprumo X+ (D1)	0.00	-0.24	9.04	0.01	0.00	-0.75
Desaprumo X- (D2)	0.00	0.24	-9.04	-0.01	0.00	0.75
Desaprumo Y+ (D3)	0.02	-8.91	-0.58	0.00	0.02	-0.26
Desaprumo Y- (D4)	-0.02	8.91	0.58	0.00	-0.02	0.26
G1+G2+0.7Q+0.6V1+D1	1.28	-15.17	-259.08	0.13	0.06	-12.24
G1+G2+0.7Q+0.6V2+D2	1.28	-14.66	-277.84	0.11	0.06	-10.65
G1+G2+0.7Q+0.6V3+D3	1.30	-24.51	-269.10	0.12	0.08	-11.71
G1+G2+0.7Q+0.6V4+D4	1.26	-5.32	-267.81	0.12	0.04	-11.18
G1+G2+0.7Q+V1+0.6D1	1.28	-15.09	-262.47	0.13	0.06	-11.98
G1+G2+0.7Q+V2+0.6D2	1.28	-14.74	-274.45	0.11	0.06	-10.91
G1+G2+0.7Q+V3+0.6D3	1.29	-21.39	-268.92	0.12	0.07	-11.61
G1+G2+0.7Q+V4+0.6D4	1.27	-8.43	-268.00	0.12	0.05	-11.28
G1+G2+D1	1.28	-15.71	-259.09	0.13	0.06	-12.24
G1+G2+D2	1.28	-15.23	-277.18	0.11	0.06	-10.75
G1+G2+D3	1.30	-24.38	-268.71	0.12	0.08	-11.75
G1+G2+D4	1.26	-6.55	-267.56	0.12	0.04	-11.24
G1+G2+Q+0.6V1+0.6D1	1.28	-14.84	-262.83	0.13	0.06	-11.92
G1+G2+Q+0.6V2+0.6D2	1.28	-14.52	-274.36	0.11	0.06	-10.92
G1+G2+Q+0.6V3+0.6D3	1.29	-20.70	-269.01	0.12	0.07	-11.58
G1+G2+Q+0.6V4+0.6D4	1.27	-8.65	-268.18	0.12	0.05	-11.26
G1+G2+Q+D1	1.28	-14.92	-259.55	0.13	0.06	-12.17
G1+G2+Q+D2	1.28	-14.44	-277.64	0.11	0.06	-10.67
G1+G2+Q+D3	1.30	-23.59	-269.17	0.12	0.08	-11.68
G1+G2+Q+D4	1.26	-5.76	-268.02	0.12	0.04	-11.17


Fundação S14						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	2.12	16.27	-28.70	-0.03	-0.05	-3.87
Adicional (G2)	1.74	45.00	-172.52	-0.64	-0.18	-0.74
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	0.19	-0.47	4.84	0.03	0.00	-1.04
Água (A)	0.00	0.00	0.00	0.00	0.00	0.00
Subpressão (AS)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	0.00	-0.27	2.50	0.00	0.00	0.08
Vento X- (V2)	0.00	0.27	-2.50	0.00	0.00	-0.08
Vento Y+ (V3)	-0.01	-3.48	-0.06	0.00	0.00	-0.03
Vento Y- (V4)	0.01	3.48	0.06	0.00	0.00	0.03
Desaprumo X+ (D1)	-0.02	-2.09	24.49	0.02	0.00	0.62
Desaprumo X- (D2)	0.02	2.09	-24.49	-0.02	0.00	-0.62
Desaprumo Y+ (D3)	-0.03	-20.12	-0.40	0.00	0.02	0.00
Desaprumo Y- (D4)	0.03	20.12	0.40	0.00	-0.02	0.00
G1+G2+0.7Q+0.6V1+D1	3.97	58.69	-171.84	-0.62	-0.23	-4.67
G1+G2+0.7Q+0.6V2+D2	4.01	63.20	-223.83	-0.67	-0.23	-6.01
G1+G2+0.7Q+0.6V3+D3	3.96	38.73	-198.27	-0.64	-0.20	-5.36
G1+G2+0.7Q+0.6V4+D4	4.02	83.16	-197.40	-0.64	-0.26	-5.31
G1+G2+0.7Q+V1+0.6D1	3.98	59.41	-180.64	-0.63	-0.23	-4.88
G1+G2+0.7Q+V2+0.6D2	4.00	62.47	-215.03	-0.66	-0.23	-5.79
G1+G2+0.7Q+V3+0.6D3	3.97	45.38	-198.13	-0.64	-0.21	-5.37
G1+G2+0.7Q+V4+0.6D4	4.01	76.50	-197.54	-0.64	-0.25	-5.30
G1+G2+D1	3.85	59.18	-176.73	-0.65	-0.23	-3.98
G1+G2+D2	3.88	63.36	-225.71	-0.69	-0.23	-5.23
G1+G2+D3	3.83	41.15	-201.62	-0.67	-0.21	-4.61
G1+G2+D4	3.89	81.39	-200.83	-0.67	-0.25	-4.60
G1+G2+Q+0.6V1+0.6D1	4.04	59.38	-180.19	-0.62	-0.23	-5.23
G1+G2+Q+0.6V2+0.6D2	4.06	62.22	-212.58	-0.65	-0.23	-6.07
G1+G2+Q+0.6V3+0.6D3	4.03	46.64	-196.66	-0.63	-0.21	-5.67
G1+G2+Q+0.6V4+0.6D4	4.07	74.97	-196.11	-0.63	-0.25	-5.63
G1+G2+Q+D1	4.03	58.71	-171.89	-0.61	-0.23	-5.03


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G1+G2+Q+D2	4.06	62.89	-220.87	-0.65	-0.23	-6.27
G1+G2+Q+D3	4.02	40.68	-196.78	-0.63	-0.21	-5.65
G1+G2+Q+D4	4.07	80.93	-195.99	-0.63	-0.25	-5.65

Fundação S15						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	2.08	16.30	26.51	0.03	-0.05	3.85
Adicional (G2)	1.72	45.06	172.04	0.64	-0.18	0.73
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	0.17	-0.42	-5.10	-0.03	0.00	1.06
Água (A)	0.00	0.00	0.00	0.00	0.00	0.00
Subpressão (AS)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	0.00	0.27	2.50	0.00	0.00	0.08
Vento X- (V2)	0.00	-0.27	-2.50	0.00	0.00	-0.08
Vento Y+ (V3)	-0.01	-3.48	0.06	0.00	0.00	0.03
Vento Y- (V4)	0.01	3.48	-0.06	0.00	0.00	-0.03
Desaprumo X+ (D1)	0.02	2.09	24.49	0.02	0.00	0.62
Desaprumo X- (D2)	-0.02	-2.09	-24.49	-0.02	0.00	-0.62
Desaprumo Y+ (D3)	-0.03	-20.05	0.08	0.00	0.02	0.03
Desaprumo Y- (D4)	0.03	20.05	-0.08	0.00	-0.02	-0.03
G1+G2+0.7Q+0.6V1+D1	3.94	63.32	220.97	0.66	-0.23	6.00
G1+G2+0.7Q+0.6V2+D2	3.91	58.80	168.99	0.62	-0.23	4.66
G1+G2+0.7Q+0.6V3+D3	3.90	38.92	195.10	0.64	-0.20	5.37
G1+G2+0.7Q+0.6V4+D4	3.96	83.20	194.86	0.64	-0.26	5.28
G1+G2+0.7Q+V1+0.6D1	3.94	62.59	212.17	0.66	-0.23	5.78
G1+G2+0.7Q+V2+0.6D2	3.92	59.53	177.78	0.63	-0.23	4.88
G1+G2+0.7Q+V3+0.6D3	3.90	45.55	195.09	0.64	-0.21	5.38
G1+G2+0.7Q+V4+0.6D4	3.95	76.57	194.87	0.64	-0.25	5.28
G1+G2+D1	3.82	63.44	223.04	0.69	-0.23	5.20
G1+G2+D2	3.79	59.26	174.06	0.64	-0.23	3.96
G1+G2+D3	3.78	41.30	198.63	0.67	-0.21	4.61
G1+G2+D4	3.83	81.40	198.46	0.67	-0.25	4.56
G1+G2+Q+0.6V1+0.6D1	3.99	62.35	209.64	0.64	-0.23	6.07
G1+G2+Q+0.6V2+0.6D2	3.97	59.52	177.25	0.62	-0.23	5.23
G1+G2+Q+0.6V3+0.6D3	3.96	46.81	193.53	0.63	-0.21	5.68
G1+G2+Q+0.6V4+0.6D4	4.00	75.06	193.36	0.63	-0.25	5.61
G1+G2+Q+D1	3.99	63.03	217.94	0.65	-0.23	6.27
G1+G2+Q+D2	3.96	58.84	168.96	0.61	-0.23	5.03
G1+G2+Q+D3	3.95	40.89	193.53	0.63	-0.21	5.67
G1+G2+Q+D4	4.00	80.99	193.36	0.63	-0.25	5.62

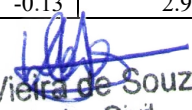
Fundação S16						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	1.93	37.51	-20.53	-0.05	-0.18	-4.54
Adicional (G2)	1.72	117.07	-77.53	-0.18	-0.72	-16.06
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	0.24	1.83	0.79	0.00	0.00	-0.30
Água (A)	0.00	0.00	0.00	0.00	0.00	0.00
Subpressão (AS)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	0.00	0.13	1.89	0.00	0.00	-0.18
Vento X- (V2)	0.00	-0.13	-1.89	0.00	0.00	0.18
Vento Y+ (V3)	0.00	-6.83	-0.17	0.00	0.00	0.03
Vento Y- (V4)	0.00	6.83	0.17	0.00	0.00	-0.03
Desaprumo X+ (D1)	-0.03	2.22	20.47	0.03	0.00	-1.64
Desaprumo X- (D2)	0.03	-2.22	-20.47	-0.03	0.00	1.64
Desaprumo Y+ (D3)	-0.01	-31.30	-0.15	0.00	0.03	-0.06
Desaprumo Y- (D4)	0.01	31.30	0.15	0.00	-0.03	0.06
G1+G2+0.7Q+0.6V1+D1	3.80	158.16	-75.91	-0.20	-0.91	-22.55
G1+G2+0.7Q+0.6V2+D2	3.85	153.56	-119.11	-0.26	-0.91	-19.06


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G1+G2+0.7Q+0.6V3+D3	3.81	120.46	-97.76	-0.23	-0.88	-20.85
G1+G2+0.7Q+0.6V4+D4	3.84	191.26	-97.26	-0.23	-0.93	-20.77
G1+G2+0.7Q+V1+0.6D1	3.81	157.32	-83.33	-0.21	-0.91	-21.97
G1+G2+0.7Q+V2+0.6D2	3.85	154.40	-111.69	-0.25	-0.91	-19.65
G1+G2+0.7Q+V3+0.6D3	3.81	130.25	-97.77	-0.23	-0.89	-20.81
G1+G2+0.7Q+V4+0.6D4	3.84	181.47	-97.25	-0.23	-0.93	-20.80
G1+G2+D1	3.63	156.80	-77.60	-0.20	-0.91	-22.24
G1+G2+D2	3.68	152.36	-118.53	-0.26	-0.90	-18.96
G1+G2+D3	3.64	123.28	-98.21	-0.23	-0.88	-20.66
G1+G2+D4	3.67	185.88	-97.92	-0.23	-0.93	-20.54
G1+G2+Q+0.6V1+0.6D1	3.88	157.82	-83.85	-0.21	-0.91	-21.99
G1+G2+Q+0.6V2+0.6D2	3.92	155.00	-110.69	-0.25	-0.91	-19.81
G1+G2+Q+0.6V3+0.6D3	3.89	133.53	-97.46	-0.23	-0.89	-20.92
G1+G2+Q+0.6V4+0.6D4	3.91	179.29	-97.08	-0.23	-0.92	-20.88
G1+G2+Q+D1	3.87	158.63	-76.80	-0.20	-0.91	-22.54
G1+G2+Q+D2	3.92	154.19	-117.74	-0.26	-0.91	-19.26
G1+G2+Q+D3	3.88	125.11	-97.42	-0.23	-0.88	-20.96
G1+G2+Q+D4	3.91	187.71	-97.13	-0.23	-0.93	-20.84

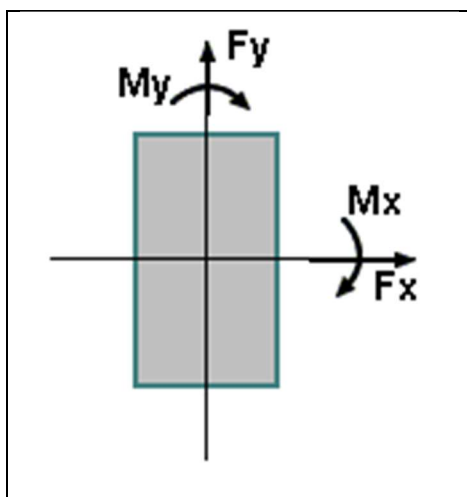
Fundação S17						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	2.98	0.00	0.00	-0.01	0.00	0.00
Adicional (G2)	1.55	0.00	0.00	-0.16	-0.01	0.00
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	0.83	0.00	0.00	0.01	0.00	0.00
Água (A)	0.00	0.00	0.00	0.00	0.00	0.00
Subpressão (AS)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X- (V2)	0.00	0.00	0.00	0.00	0.00	0.00
Vento Y+ (V3)	0.00	0.00	0.00	0.00	0.00	0.00
Vento Y- (V4)	0.00	0.00	0.00	0.00	0.00	0.00
Desaprumo X+ (D1)	0.01	0.00	0.00	0.01	0.00	0.00
Desaprumo X- (D2)	-0.01	0.00	0.00	-0.01	0.00	0.00
Desaprumo Y+ (D3)	-0.02	0.00	0.00	0.00	0.00	0.00
Desaprumo Y- (D4)	0.02	0.00	0.00	0.00	0.00	0.00
G1+G2+0.7Q+0.6V1+D1	5.12	0.00	0.00	-0.16	-0.01	0.00
G1+G2+0.7Q+0.6V2+D2	5.09	0.00	0.00	-0.18	-0.01	0.00
G1+G2+0.7Q+0.6V3+D3	5.08	0.00	0.00	-0.17	-0.01	0.00
G1+G2+0.7Q+0.6V4+D4	5.12	0.00	0.00	-0.17	-0.02	0.00
G1+G2+0.7Q+V1+0.6D1	5.11	0.00	0.00	-0.16	-0.01	0.00
G1+G2+0.7Q+V2+0.6D2	5.10	0.00	0.00	-0.17	-0.01	0.00
G1+G2+0.7Q+V3+0.6D3	5.09	0.00	0.00	-0.17	-0.01	0.00
G1+G2+0.7Q+V4+0.6D4	5.12	0.00	0.00	-0.17	-0.02	0.00
G1+G2+D1	4.54	0.00	0.00	-0.17	-0.01	0.00
G1+G2+D2	4.51	0.00	0.00	-0.19	-0.02	0.00
G1+G2+D3	4.51	0.00	0.00	-0.18	-0.01	0.00
G1+G2+D4	4.54	0.00	0.00	-0.18	-0.02	0.00
G1+G2+Q+0.6V1+0.6D1	5.36	0.00	0.00	-0.16	-0.01	0.00
G1+G2+Q+0.6V2+0.6D2	5.34	0.00	0.00	-0.17	-0.01	0.00
G1+G2+Q+0.6V3+0.6D3	5.34	0.00	0.00	-0.16	-0.01	0.00
G1+G2+Q+0.6V4+0.6D4	5.37	0.00	0.00	-0.16	-0.02	0.00
G1+G2+Q+D1	5.37	0.00	0.00	-0.16	-0.01	0.00
G1+G2+Q+D2	5.34	0.00	0.00	-0.17	-0.01	0.00
G1+G2+Q+D3	5.34	0.00	0.00	-0.16	-0.01	0.00
G1+G2+Q+D4	5.37	0.00	0.00	-0.16	-0.02	0.00

Fundação S18						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	2.23	25.45	10.04	0.03	-0.13	2.96



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Adicional (G2)	1.63	101.36	57.73	0.26	-0.55	-1.86
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	0.37	-0.39	-2.65	-0.02	0.00	2.07
Água (A)	0.00	0.00	0.00	0.00	0.00	0.00
Subpressão (AS)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	0.00	-0.11	1.78	0.00	0.00	-0.05
Vento X- (V2)	0.00	0.11	-1.78	0.00	0.00	0.05
Vento Y+ (V3)	0.00	-6.68	-0.10	0.00	0.00	-0.01
Vento Y- (V4)	0.00	6.68	0.10	0.00	0.00	0.01
Desaprumo X+ (D1)	0.01	-2.17	19.42	0.03	0.00	-0.48
Desaprumo X- (D2)	-0.01	2.17	-19.42	-0.03	0.00	0.48
Desaprumo Y+ (D3)	-0.01	-31.36	0.14	0.00	0.02	-0.02
Desaprumo Y- (D4)	0.01	31.36	-0.14	0.00	-0.02	0.02
G1+G2+0.7Q+0.6V1+D1	4.14	124.30	86.40	0.31	-0.68	2.05
G1+G2+0.7Q+0.6V2+D2	4.11	128.77	45.43	0.25	-0.68	3.05
G1+G2+0.7Q+0.6V3+D3	4.11	91.16	66.00	0.28	-0.65	2.52
G1+G2+0.7Q+0.6V4+D4	4.14	161.90	65.83	0.28	-0.70	2.58
G1+G2+0.7Q+V1+0.6D1	4.14	125.12	79.34	0.30	-0.68	2.22
G1+G2+0.7Q+V2+0.6D2	4.12	127.95	52.48	0.26	-0.68	2.88
G1+G2+0.7Q+V3+0.6D3	4.11	101.03	65.90	0.28	-0.66	2.52
G1+G2+0.7Q+V4+0.6D4	4.14	152.03	65.93	0.28	-0.70	2.58
G1+G2+D1	3.88	124.64	87.18	0.32	-0.68	0.62
G1+G2+D2	3.85	128.98	48.35	0.27	-0.68	1.58
G1+G2+D3	3.85	95.45	67.91	0.29	-0.65	1.08
G1+G2+D4	3.88	158.17	67.62	0.29	-0.70	1.12
G1+G2+Q+0.6V1+0.6D1	4.25	125.05	77.84	0.29	-0.68	2.86
G1+G2+Q+0.6V2+0.6D2	4.23	127.78	52.40	0.26	-0.68	3.48
G1+G2+Q+0.6V3+0.6D3	4.23	103.59	65.15	0.28	-0.66	3.15
G1+G2+Q+0.6V4+0.6D4	4.25	149.24	65.09	0.28	-0.70	3.19
G1+G2+Q+D1	4.25	124.25	84.54	0.30	-0.68	2.69
G1+G2+Q+D2	4.22	128.58	45.70	0.25	-0.68	3.65
G1+G2+Q+D3	4.22	95.06	65.26	0.28	-0.65	3.15
G1+G2+Q+D4	4.25	157.78	64.98	0.28	-0.70	3.20

Legenda:



- Caso: indica o caso de carregamento no qual serão apresentados os esforços atuantes;
- Elemento: nome da fundação;
- N: esforço axial na fundação;
- Mx: momento fletor na base do pilar, atuante em torno do eixo X global;
- My: momento fletor na base do pilar, atuante em torno do eixo Y global;
- Fx: esforço cortante na base do pilar, atuante no plano paralelo à direção X global;
- Fy: esforço cortante na base do pilar, atuante no plano paralelo à direção Y global;
- Mt: momento de torção atuante.


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