

MEMORIAL DE CÁLCULO ESTRUTURAL

PRÉDIO DE MEDICINA (FAMMUC) – CAMPUS MUCURI

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ENGEDER ENGENHARIA E ARQUITETURA LTDA

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Resumo de resultados

Cargas verticais:

Peso próprio = 1308.22 tf

Adicional = 899.73 tf

Acidental = 506.79 tf

Total = 2714.74 tf

Área aproximada = 2688.74 m²

Relação = 1009.67 kgf/m²

Deslocamento horizontal:

Direção X = 0.06 cm (limite 0.99)

Direção Y = 0.21 cm (limite 0.99)

Coefficiente Gama-Z:

Direção X = 1.06 (limite 1.10)

Direção Y = 1.07 (limite 1.10)

Análise de 2ª ordem:

Processo P-Delta

Deslocamentos no topo da edificação:

Acidental: 0.09 »» 0.09 (+2.29%)

Vento X+: 0.21 »» 0.23 (+4.98%)

Vento X-: 0.21 »» 0.23 (+4.98%)

Vento Y+: 0.70 »» 0.72 (+1.65%)

Vento Y-: 0.70 »» 0.72 (+1.65%)

Desaprumo X+: 0.11 »» 0.12 (+5.57%)

Desaprumo X-: 0.11 »» 0.12 (+5.57%)

Desaprumo Y+: 0.06 »» 0.06 (+2.03%)

Desaprumo Y-: 0.06 »» 0.06 (+2.03%)

Verificação da Estabilidade Global da Estrutura

Eixo X (1.3G1+1.4G2+1.4S+1.2R+1.4Q+1.2A+0.72T1+0.84V2+0.61D2)						
Pavimento	Altura Relativa (cm)	Carga Vertical (tf)	Carga horizontal (tf)		Desloc. horizontal (cm)	
			Eixo X	Eixo Y	Eixo X	Eixo Y
COB. CAIXA	1690	39.65	0.54	2.20	0.30	0.31
CAIXA D'ÁGUA	1115	180.42	0.70	2.81	0.16	0.23
BARRILETE	915	1118.24	2.54	8.36	0.14	0.37
SUPERIOR	420	1070.52	2.92	10.59	0.05	0.25
BALDRAME	100	1260.99	0.08	0.33	0.02	0.03

Eixo Y (1.3G1+1.4G2+1.4S+1.2R+1.4Q+1.2A+0.72T1+0.84V4+0.61D4)						
Pavimento	Altura Relativa (cm)	Carga Vertical (tf)	Carga horizontal (tf)		Desloc. horizontal (cm)	
			Eixo X	Eixo Y	Eixo X	Eixo Y
COB. CAIXA	1690	39.39	0.54	2.20	0.16	0.89
CAIXA D'ÁGUA	1115	180.67	0.70	2.81	0.03	0.56
BARRILETE	915	1118.24	2.54	8.36	0.00	0.57
SUPERIOR	420	1070.52	2.92	10.59	-0.01	0.33
BALDRAME	100	1260.99	0.08	0.33	0.01	0.05

Coeficiente Gama-Z		
	Eixo X	Eixo Y
Momento de tombamento de cálculo (tf.m)	52.52	189.76
Momento de 2a. ordem de cálculo (tf.m)	2.76	12.02
Gama-Z	1.06	1.07

Valor limite: 1.10

Gama-Z por Combinação						
Combinação	Momento de tombamento de cálculo (tf.m)		Momento de 2a. ordem de cálculo (tf.m)		Gama-Z	
	Eixo X	Eixo Y	Eixo X	Eixo Y	Eixo X	Eixo Y
1.3G1+1.4G2+1.4S+0.72T1+0.84V1+1.02D1	52.52	189.76	2.19	3.98	1.04	1.02
1.3G1+1.4G2+1.4S+0.72T1+0.84V2+1.02D2	52.52	189.76	2.19	3.98	1.04	1.02
1.3G1+1.4G2+1.4S+0.72T1+0.84V3+1.02D3	52.52	189.76	-0.10	7.70	1.00	1.04
1.3G1+1.4G2+1.4S+0.72T1+0.84V4+1.02D4	52.52	189.76	-0.10	7.70	1.00	1.04
1.3G1+1.4G2+1.4S+0.72T1+1.4V1+0.61D1	87.53	316.27	3.75	4.00	1.04	1.01
1.3G1+1.4G2+1.4S+0.72T1+1.4V2+0.61D2	87.53	316.27	3.76	4.00	1.04	1.01
1.3G1+1.4G2+1.4S+0.72T1+1.4V3+0.61D3	87.53	316.27	-0.07	10.19	1.00	1.03
1.3G1+1.4G2+1.4S+0.72T1+1.4V4+0.61D4	87.53	316.27	-0.07	10.19	1.00	1.03
1.3G1+1.4G2+1.4S+0.72T2+0.84V1+1.02D1	52.52	189.76	2.19	3.98	1.04	1.02
1.3G1+1.4G2+1.4S+0.72T2+0.84V2+1.02D2	52.52	189.76	2.19	3.98	1.04	1.02
1.3G1+1.4G2+1.4S+0.72T2+0.84V3+1.02D3	52.52	189.76	-0.10	7.70	1.00	1.04

1.3G1+1.4G2+1.4S+0.72T2+0.84V4+1.02D4	52.52	189.76	- 0.10	7.70	1.00	1.04
1.3G1+1.4G2+1.4S+0.72T2+1.4V1+0.61D1	87.53	316.27	3.75	4.00	1.04	1.01
1.3G1+1.4G2+1.4S+0.72T2+1.4V2+0.61D2	87.53	316.27	3.76	4.00	1.04	1.01
1.3G1+1.4G2+1.4S+0.72T2+1.4V3+0.61D3	87.53	316.27	- 0.07	10.19	1.00	1.03
1.3G1+1.4G2+1.4S+0.72T2+1.4V4+0.61D4	87.53	316.27	- 0.07	10.19	1.00	1.03
1.3G1+1.4G2+1.4S+0.84V1+1.02D1	52.52	189.76	2.19	3.98	1.04	1.02
1.3G1+1.4G2+1.4S+0.84V2+1.02D2	52.52	189.76	2.19	3.98	1.04	1.02
1.3G1+1.4G2+1.4S+0.84V3+1.02D3	52.52	189.76	- 0.10	7.70	1.00	1.04
1.3G1+1.4G2+1.4S+0.84V4+1.02D4	52.52	189.76	- 0.10	7.70	1.00	1.04
1.3G1+1.4G2+1.4S+0.98Q+1.2A+0.72T1+0.84V1+1.02D1	52.52	189.76	2.58	6.54	1.05	1.04
1.3G1+1.4G2+1.4S+0.98Q+1.2A+0.72T1+0.84V2+1.02D2	52.52	189.76	2.58	6.54	1.05	1.04
1.3G1+1.4G2+1.4S+0.98Q+1.2A+0.72T1+0.84V3+1.02D3	52.52	189.76	0.04	10.63	1.00	1.06
1.3G1+1.4G2+1.4S+0.98Q+1.2A+0.72T1+0.84V4+1.02D4	52.52	189.76	0.04	10.63	1.00	1.06
1.3G1+1.4G2+1.4S+0.98Q+1.2A+0.72T1+1.4V1+0.61D1	87.53	316.27	4.31	6.56	1.05	1.02
1.3G1+1.4G2+1.4S+0.98Q+1.2A+0.72T1+1.4V2+0.61D2	87.53	316.27	4.31	6.56	1.05	1.02
1.3G1+1.4G2+1.4S+0.98Q+1.2A+0.72T1+1.4V3+0.61D3	87.53	316.27	0.08	13.37	1.00	1.04
1.3G1+1.4G2+1.4S+0.98Q+1.2A+0.72T1+1.4V4+0.61D4	87.53	316.27	0.08	13.37	1.00	1.04
1.3G1+1.4G2+1.4S+0.98Q+1.2A+0.72T2+0.84V1+1.02D1	52.52	189.76	2.58	6.54	1.05	1.04
1.3G1+1.4G2+1.4S+0.98Q+1.2A+0.72T2+0.84V2+1.02D2	52.52	189.76	2.58	6.54	1.05	1.04
1.3G1+1.4G2+1.4S+0.98Q+1.2A+0.72T2+0.84V3+1.02D3	52.52	189.76	0.04	10.63	1.00	1.06
1.3G1+1.4G2+1.4S+0.98Q+1.2A+0.72T2+0.84V4+1.02D4	52.52	189.76	0.04	10.63	1.00	1.06
1.3G1+1.4G2+1.4S+0.98Q+1.2A+0.72T2+1.4V1+0.61D1	87.53	316.27	4.31	6.56	1.05	1.02
1.3G1+1.4G2+1.4S+0.98Q+1.2A+0.72T2+1.4V2+0.61D2	87.53	316.27	4.31	6.56	1.05	1.02
1.3G1+1.4G2+1.4S+0.98Q+1.2A+0.72T2+1.4V3+0.61D3	87.53	316.27	0.08	13.37	1.00	1.04
1.3G1+1.4G2+1.4S+0.98Q+1.2A+0.72T2+1.4V4+0.61D4	87.53	316.27	0.08	13.37	1.00	1.04
1.3G1+1.4G2+1.4S+0.98Q+1.2A+0.84V1+1.02D1	52.52	189.76	2.58	6.54	1.05	1.04
1.3G1+1.4G2+1.4S+0.98Q+1.2A+0.84V2+1.02D2	52.52	189.76	2.58	6.54	1.05	1.04
1.3G1+1.4G2+1.4S+0.98Q+1.2A+0.84V3+1.02D3	52.52	189.76	0.04	10.63	1.00	1.06
1.3G1+1.4G2+1.4S+0.98Q+1.2A+0.84V4+1.02D4	52.52	189.76	0.04	10.63	1.00	1.06
1.3G1+1.4G2+1.4S+0.98Q+1.2A+1.1AS+0.72T1+0.84V1+0.61D1	52.52	189.76	2.58	6.54	1.05	1.04
1.3G1+1.4G2+1.4S+0.98Q+1.2A+1.1AS+0.72T1+0.84V1+1.02D1	52.52	189.76	2.58	6.54	1.05	1.04
1.3G1+1.4G2+1.4S+0.98Q+1.2A+1.1AS+0.72T1+0.84V2+0.61D2	52.52	189.76	2.58	6.54	1.05	1.04
1.3G1+1.4G2+1.4S+0.98Q+1.2A+1.1AS+0.72T1+0.84V2+1.02D2	52.52	189.76	2.58	6.54	1.05	1.04
1.3G1+1.4G2+1.4S+0.98Q+1.2A+1.1AS+0.72T1+0.84V3+0.61D3	52.52	189.76	0.04	10.63	1.00	1.06
1.3G1+1.4G2+1.4S+0.98Q+1.2A+1.1AS+0.72T1+0.84V3+1.02D3	52.52	189.76	0.04	10.63	1.00	1.06
1.3G1+1.4G2+1.4S+0.98Q+1.2A+1.1AS+0.72T1+0.84V4+0.61D4	52.52	189.76	0.04	10.63	1.00	1.06
1.3G1+1.4G2+1.4S+0.98Q+1.2A+1.1AS+0.72T1+0.84V4+1.02D4	52.52	189.76	0.04	10.63	1.00	1.06
1.3G1+1.4G2+1.4S+0.98Q+1.2A+1.1AS+0.72T1+1.4V1+0.61D1	87.53	316.27	4.31	6.56	1.05	1.02
1.3G1+1.4G2+1.4S+0.98Q+1.2A+1.1AS+0.72T1+1.4V2+0.61D2	87.53	316.27	4.31	6.56	1.05	1.02
1.3G1+1.4G2+1.4S+0.98Q+1.2A+1.1AS+0.72T1+1.4V3+0.61D3	87.53	316.27	0.08	13.37	1.00	1.04
1.3G1+1.4G2+1.4S+0.98Q+1.2A+1.1AS+0.72T1+1.4V4+0.61D4	87.53	316.27	0.08	13.37	1.00	1.04
1.3G1+1.4G2+1.4S+0.98Q+1.2A+1.1AS+0.72T2+0.84V1+0.61D1	52.52	189.76	2.58	6.54	1.05	1.04
1.3G1+1.4G2+1.4S+0.98Q+1.2A+1.1AS+0.72T2+0.84V1+1.02D1	52.52	189.76	2.58	6.54	1.05	1.04
1.3G1+1.4G2+1.4S+0.98Q+1.2A+1.1AS+0.72T2+0.84V2+0.61D2	52.52	189.76	2.58	6.54	1.05	1.04
1.3G1+1.4G2+1.4S+0.98Q+1.2A+1.1AS+0.72T2+0.84V2+1.02D2	52.52	189.76	2.58	6.54	1.05	1.04
1.3G1+1.4G2+1.4S+0.98Q+1.2A+1.1AS+0.72T2+0.84V3+0.61D3	52.52	189.76	0.04	10.63	1.00	1.06
1.3G1+1.4G2+1.4S+0.98Q+1.2A+1.1AS+0.72T2+0.84V3+1.02D3	52.52	189.76	0.04	10.63	1.00	1.06
1.3G1+1.4G2+1.4S+0.98Q+1.2A+1.1AS+0.72T2+0.84V4+0.61D4	52.52	189.76	0.04	10.63	1.00	1.06
1.3G1+1.4G2+1.4S+0.98Q+1.2A+1.1AS+0.72T2+0.84V4+1.02D4	52.52	189.76	0.04	10.63	1.00	1.06
1.3G1+1.4G2+1.4S+0.98Q+1.2A+1.1AS+0.72T2+1.4V1+0.61D1	87.53	316.27	4.31	6.56	1.05	1.02
1.3G1+1.4G2+1.4S+0.98Q+1.2A+1.1AS+0.72T2+1.4V2+0.61D2	87.53	316.27	4.31	6.56	1.05	1.02
1.3G1+1.4G2+1.4S+0.98Q+1.2A+1.1AS+0.72T2+1.4V3+0.61D3	87.53	316.27	0.08	13.37	1.00	1.04
1.3G1+1.4G2+1.4S+0.98Q+1.2A+1.1AS+0.72T2+1.4V4+0.61D4	87.53	316.27	0.08	13.37	1.00	1.04
1.3G1+1.4G2+1.4S+0.98Q+1.2A+1.1AS+0.84V1+0.61D1	52.52	189.76	2.58	6.54	1.05	1.04
1.3G1+1.4G2+1.4S+0.98Q+1.2A+1.1AS+0.84V1+1.02D1	52.52	189.76	2.58	6.54	1.05	1.04
1.3G1+1.4G2+1.4S+0.98Q+1.2A+1.1AS+0.84V2+0.61D2	52.52	189.76	2.58	6.54	1.05	1.04
1.3G1+1.4G2+1.4S+0.98Q+1.2A+1.1AS+0.84V2+1.02D2	52.52	189.76	2.58	6.54	1.05	1.04
1.3G1+1.4G2+1.4S+0.98Q+1.2A+1.1AS+0.84V3+0.61D3	52.52	189.76	0.04	10.63	1.00	1.06
1.3G1+1.4G2+1.4S+0.98Q+1.2A+1.1AS+0.84V3+1.02D3	52.52	189.76	0.04	10.63	1.00	1.06
1.3G1+1.4G2+1.4S+0.98Q+1.2A+1.1AS+0.84V4+0.61D4	52.52	189.76	0.04	10.63	1.00	1.06
1.3G1+1.4G2+1.4S+0.98Q+1.2A+1.1AS+0.84V4+1.02D4	52.52	189.76	0.04	10.63	1.00	1.06

1.3G1+1.4G2+1.4S+0.98Q+1.2A+1.1AS+0.84V4+1.02D4	52.52	189.76	0.04	10.63	1.00	1.06
1.3G1+1.4G2+1.4S+0.98Q+1.2A+1.1AS+1.2T1+0.84V1+0.61D1	52.52	189.76	2.58	6.54	1.05	1.04
1.3G1+1.4G2+1.4S+0.98Q+1.2A+1.1AS+1.2T1+0.84V2+0.61D2	52.52	189.76	2.58	6.54	1.05	1.04
1.3G1+1.4G2+1.4S+0.98Q+1.2A+1.1AS+1.2T1+0.84V3+0.61D3	52.52	189.76	0.04	10.63	1.00	1.06
1.3G1+1.4G2+1.4S+0.98Q+1.2A+1.1AS+1.2T1+0.84V4+0.61D4	52.52	189.76	0.04	10.63	1.00	1.06
1.3G1+1.4G2+1.4S+0.98Q+1.2A+1.1AS+1.2T2+0.84V1+0.61D1	52.52	189.76	2.58	6.54	1.05	1.04
1.3G1+1.4G2+1.4S+0.98Q+1.2A+1.1AS+1.2T2+0.84V2+0.61D2	52.52	189.76	2.58	6.54	1.05	1.04
1.3G1+1.4G2+1.4S+0.98Q+1.2A+1.1AS+1.2T2+0.84V3+0.61D3	52.52	189.76	0.04	10.63	1.00	1.06
1.3G1+1.4G2+1.4S+0.98Q+1.2A+1.1AS+1.2T2+0.84V4+0.61D4	52.52	189.76	0.04	10.63	1.00	1.06
1.3G1+1.4G2+1.4S+0.98Q+1.2A+1.1AS+1.4V1+0.61D1	87.53	316.27	4.31	6.56	1.05	1.02
1.3G1+1.4G2+1.4S+0.98Q+1.2A+1.1AS+1.4V2+0.61D2	87.53	316.27	4.31	6.56	1.05	1.02
1.3G1+1.4G2+1.4S+0.98Q+1.2A+1.1AS+1.4V3+0.61D3	87.53	316.27	0.08	13.37	1.00	1.04
1.3G1+1.4G2+1.4S+0.98Q+1.2A+1.1AS+1.4V4+0.61D4	87.53	316.27	0.08	13.37	1.00	1.04
1.3G1+1.4G2+1.4S+0.98Q+1.2A+1.2T1+0.84V1+0.61D1	52.52	189.76	2.58	6.54	1.05	1.04
1.3G1+1.4G2+1.4S+0.98Q+1.2A+1.2T1+0.84V2+0.61D2	52.52	189.76	2.58	6.54	1.05	1.04
1.3G1+1.4G2+1.4S+0.98Q+1.2A+1.2T1+0.84V3+0.61D3	52.52	189.76	0.04	10.63	1.00	1.06
1.3G1+1.4G2+1.4S+0.98Q+1.2A+1.2T1+0.84V4+0.61D4	52.52	189.76	0.04	10.63	1.00	1.06
1.3G1+1.4G2+1.4S+0.98Q+1.2A+1.2T2+0.84V1+0.61D1	52.52	189.76	2.58	6.54	1.05	1.04
1.3G1+1.4G2+1.4S+0.98Q+1.2A+1.2T2+0.84V2+0.61D2	52.52	189.76	2.58	6.54	1.05	1.04
1.3G1+1.4G2+1.4S+0.98Q+1.2A+1.2T2+0.84V3+0.61D3	52.52	189.76	0.04	10.63	1.00	1.06
1.3G1+1.4G2+1.4S+0.98Q+1.2A+1.2T2+0.84V4+0.61D4	52.52	189.76	0.04	10.63	1.00	1.06
1.3G1+1.4G2+1.4S+0.98Q+1.2A+1.4V1+0.61D1	87.53	316.27	4.31	6.56	1.05	1.02
1.3G1+1.4G2+1.4S+0.98Q+1.2A+1.4V2+0.61D2	87.53	316.27	4.31	6.56	1.05	1.02
1.3G1+1.4G2+1.4S+0.98Q+1.2A+1.4V3+0.61D3	87.53	316.27	0.08	13.37	1.00	1.04
1.3G1+1.4G2+1.4S+0.98Q+1.2A+1.4V4+0.61D4	87.53	316.27	0.08	13.37	1.00	1.04
1.3G1+1.4G2+1.4S+1.1AS+0.72T1+0.84V1+0.61D1	52.52	189.76	2.19	3.98	1.04	1.02
1.3G1+1.4G2+1.4S+1.1AS+0.72T1+0.84V1+1.02D1	52.52	189.76	2.19	3.98	1.04	1.02
1.3G1+1.4G2+1.4S+1.1AS+0.72T1+0.84V2+0.61D2	52.52	189.76	2.19	3.98	1.04	1.02
1.3G1+1.4G2+1.4S+1.1AS+0.72T1+0.84V2+1.02D2	52.52	189.76	2.19	3.98	1.04	1.02
1.3G1+1.4G2+1.4S+1.1AS+0.72T1+0.84V3+0.61D3	52.52	189.76	- 0.10	7.70	1.00	1.04
1.3G1+1.4G2+1.4S+1.1AS+0.72T1+0.84V3+1.02D3	52.52	189.76	- 0.10	7.70	1.00	1.04
1.3G1+1.4G2+1.4S+1.1AS+0.72T1+0.84V4+0.61D4	52.52	189.76	- 0.10	7.70	1.00	1.04
1.3G1+1.4G2+1.4S+1.1AS+0.72T1+0.84V4+1.02D4	52.52	189.76	- 0.10	7.70	1.00	1.04
1.3G1+1.4G2+1.4S+1.1AS+0.72T1+1.4V1+0.61D1	87.53	316.27	3.75	4.00	1.04	1.01
1.3G1+1.4G2+1.4S+1.1AS+0.72T1+1.4V2+0.61D2	87.53	316.27	3.76	4.00	1.04	1.01
1.3G1+1.4G2+1.4S+1.1AS+0.72T1+1.4V3+0.61D3	87.53	316.27	- 0.07	10.19	1.00	1.03
1.3G1+1.4G2+1.4S+1.1AS+0.72T1+1.4V4+0.61D4	87.53	316.27	- 0.07	10.19	1.00	1.03
1.3G1+1.4G2+1.4S+1.1AS+0.72T2+0.84V1+0.61D1	52.52	189.76	2.19	3.98	1.04	1.02
1.3G1+1.4G2+1.4S+1.1AS+0.72T2+0.84V1+1.02D1	52.52	189.76	2.19	3.98	1.04	1.02
1.3G1+1.4G2+1.4S+1.1AS+0.72T2+0.84V2+0.61D2	52.52	189.76	2.19	3.98	1.04	1.02
1.3G1+1.4G2+1.4S+1.1AS+0.72T2+0.84V2+1.02D2	52.52	189.76	2.19	3.98	1.04	1.02
1.3G1+1.4G2+1.4S+1.1AS+0.72T2+0.84V3+0.61D3	52.52	189.76	- 0.10	7.70	1.00	1.04
1.3G1+1.4G2+1.4S+1.1AS+0.72T2+0.84V3+1.02D3	52.52	189.76	- 0.10	7.70	1.00	1.04
1.3G1+1.4G2+1.4S+1.1AS+0.72T2+0.84V4+0.61D4	52.52	189.76	- 0.10	7.70	1.00	1.04
1.3G1+1.4G2+1.4S+1.1AS+0.72T2+0.84V4+1.02D4	52.52	189.76	- 0.10	7.70	1.00	1.04
1.3G1+1.4G2+1.4S+1.1AS+0.72T2+1.4V1+0.61D1	87.53	316.27	3.75	4.00	1.04	1.01
1.3G1+1.4G2+1.4S+1.1AS+0.72T2+1.4V2+0.61D2	87.53	316.27	3.76	4.00	1.04	1.01
1.3G1+1.4G2+1.4S+1.1AS+0.72T2+1.4V3+0.61D3	87.53	316.27	- 0.07	10.19	1.00	1.03
1.3G1+1.4G2+1.4S+1.1AS+0.72T2+1.4V4+0.61D4	87.53	316.27	- 0.07	10.19	1.00	1.03
1.3G1+1.4G2+1.4S+1.1AS+0.84V1+0.61D1	52.52	189.76	2.19	3.98	1.04	1.02
1.3G1+1.4G2+1.4S+1.1AS+0.84V1+1.02D1	52.52	189.76	2.19	3.98	1.04	1.02
1.3G1+1.4G2+1.4S+1.1AS+0.84V2+0.61D2	52.52	189.76	2.19	3.98	1.04	1.02
1.3G1+1.4G2+1.4S+1.1AS+0.84V2+1.02D2	52.52	189.76	2.19	3.98	1.04	1.02

1.3G1+1.4G2+1.4S+1.1AS+0.84V3+0.61D3	52.52	189.76	- 0.10	7.70	1.00	1.04
1.3G1+1.4G2+1.4S+1.1AS+0.84V3+1.02D3	52.52	189.76	- 0.10	7.70	1.00	1.04
1.3G1+1.4G2+1.4S+1.1AS+0.84V4+0.61D4	52.52	189.76	- 0.10	7.70	1.00	1.04
1.3G1+1.4G2+1.4S+1.1AS+0.84V4+1.02D4	52.52	189.76	- 0.10	7.70	1.00	1.04
1.3G1+1.4G2+1.4S+1.1AS+1.2T1+0.84V1+0.61D1	52.52	189.76	2.19	3.98	1.04	1.02
1.3G1+1.4G2+1.4S+1.1AS+1.2T1+0.84V2+0.61D2	52.52	189.76	2.19	3.98	1.04	1.02
1.3G1+1.4G2+1.4S+1.1AS+1.2T1+0.84V3+0.61D3	52.52	189.76	- 0.10	7.70	1.00	1.04
1.3G1+1.4G2+1.4S+1.1AS+1.2T1+0.84V4+0.61D4	52.52	189.76	- 0.10	7.70	1.00	1.04
1.3G1+1.4G2+1.4S+1.1AS+1.2T2+0.84V1+0.61D1	52.52	189.76	2.19	3.98	1.04	1.02
1.3G1+1.4G2+1.4S+1.1AS+1.2T2+0.84V2+0.61D2	52.52	189.76	2.19	3.98	1.04	1.02
1.3G1+1.4G2+1.4S+1.1AS+1.2T2+0.84V3+0.61D3	52.52	189.76	- 0.10	7.70	1.00	1.04
1.3G1+1.4G2+1.4S+1.1AS+1.2T2+0.84V4+0.61D4	52.52	189.76	- 0.10	7.70	1.00	1.04
1.3G1+1.4G2+1.4S+1.1AS+1.4V1+0.61D1	87.53	316.27	3.75	4.00	1.04	1.01
1.3G1+1.4G2+1.4S+1.1AS+1.4V2+0.61D2	87.53	316.27	3.76	4.00	1.04	1.01
1.3G1+1.4G2+1.4S+1.1AS+1.4V3+0.61D3	87.53	316.27	- 0.07	10.19	1.00	1.03
1.3G1+1.4G2+1.4S+1.1AS+1.4V4+0.61D4	87.53	316.27	- 0.07	10.19	1.00	1.03
1.3G1+1.4G2+1.4S+1.2R+0.72T1+0.84V1+1.02D1	52.52	189.76	2.19	3.98	1.04	1.02
1.3G1+1.4G2+1.4S+1.2R+0.72T1+0.84V2+1.02D2	52.52	189.76	2.19	3.98	1.04	1.02
1.3G1+1.4G2+1.4S+1.2R+0.72T1+0.84V3+1.02D3	52.52	189.76	- 0.10	7.70	1.00	1.04
1.3G1+1.4G2+1.4S+1.2R+0.72T1+0.84V4+1.02D4	52.52	189.76	- 0.10	7.70	1.00	1.04
1.3G1+1.4G2+1.4S+1.2R+0.72T1+1.4V1+0.61D1	87.53	316.27	3.75	4.00	1.04	1.01
1.3G1+1.4G2+1.4S+1.2R+0.72T1+1.4V2+0.61D2	87.53	316.27	3.76	4.00	1.04	1.01
1.3G1+1.4G2+1.4S+1.2R+0.72T1+1.4V3+0.61D3	87.53	316.27	- 0.07	10.19	1.00	1.03
1.3G1+1.4G2+1.4S+1.2R+0.72T1+1.4V4+0.61D4	87.53	316.27	- 0.07	10.19	1.00	1.03
1.3G1+1.4G2+1.4S+1.2R+0.72T2+0.84V1+1.02D1	52.52	189.76	2.19	3.98	1.04	1.02
1.3G1+1.4G2+1.4S+1.2R+0.72T2+0.84V2+1.02D2	52.52	189.76	2.19	3.98	1.04	1.02
1.3G1+1.4G2+1.4S+1.2R+0.72T2+0.84V3+1.02D3	52.52	189.76	- 0.10	7.70	1.00	1.04
1.3G1+1.4G2+1.4S+1.2R+0.72T2+0.84V4+1.02D4	52.52	189.76	- 0.10	7.70	1.00	1.04
1.3G1+1.4G2+1.4S+1.2R+0.72T2+1.4V1+0.61D1	87.53	316.27	3.75	4.00	1.04	1.01
1.3G1+1.4G2+1.4S+1.2R+0.72T2+1.4V2+0.61D2	87.53	316.27	3.76	4.00	1.04	1.01
1.3G1+1.4G2+1.4S+1.2R+0.72T2+1.4V3+0.61D3	87.53	316.27	- 0.07	10.19	1.00	1.03
1.3G1+1.4G2+1.4S+1.2R+0.72T2+1.4V4+0.61D4	87.53	316.27	- 0.07	10.19	1.00	1.03
1.3G1+1.4G2+1.4S+1.2R+0.84V1+1.02D1	52.52	189.76	2.19	3.98	1.04	1.02
1.3G1+1.4G2+1.4S+1.2R+0.84V2+1.02D2	52.52	189.76	2.19	3.98	1.04	1.02
1.3G1+1.4G2+1.4S+1.2R+0.84V3+1.02D3	52.52	189.76	- 0.10	7.70	1.00	1.04
1.3G1+1.4G2+1.4S+1.2R+0.84V4+1.02D4	52.52	189.76	- 0.10	7.70	1.00	1.04
1.3G1+1.4G2+1.4S+1.2R+0.98Q+1.2A+0.72T1+0.84V1+1.02D1	52.52	189.76	2.58	6.54	1.05	1.04
1.3G1+1.4G2+1.4S+1.2R+0.98Q+1.2A+0.72T1+0.84V2+1.02D2	52.52	189.76	2.58	6.54	1.05	1.04
1.3G1+1.4G2+1.4S+1.2R+0.98Q+1.2A+0.72T1+0.84V3+1.02D3	52.52	189.76	0.04	10.63	1.00	1.06
1.3G1+1.4G2+1.4S+1.2R+0.98Q+1.2A+0.72T1+0.84V4+1.02D4	52.52	189.76	0.04	10.63	1.00	1.06
1.3G1+1.4G2+1.4S+1.2R+0.98Q+1.2A+0.72T1+1.4V1+0.61D1	87.53	316.27	4.31	6.56	1.05	1.02
1.3G1+1.4G2+1.4S+1.2R+0.98Q+1.2A+0.72T1+1.4V2+0.61D2	87.53	316.27	4.31	6.56	1.05	1.02
1.3G1+1.4G2+1.4S+1.2R+0.98Q+1.2A+0.72T1+1.4V3+0.61D3	87.53	316.27	0.08	13.37	1.00	1.04
1.3G1+1.4G2+1.4S+1.2R+0.98Q+1.2A+0.72T1+1.4V4+0.61D4	87.53	316.27	0.08	13.37	1.00	1.04
1.3G1+1.4G2+1.4S+1.2R+0.98Q+1.2A+0.72T2+0.84V1+1.02D1	52.52	189.76	2.58	6.54	1.05	1.04
1.3G1+1.4G2+1.4S+1.2R+0.98Q+1.2A+0.72T2+0.84V2+1.02D2	52.52	189.76	2.58	6.54	1.05	1.04

1.3G1+1.4G2+1.4S+1.2R+0.98Q+1.2A+0.72T2+0.84V3+1.02D3	52.52	189.76	0.04	10.63	1.00	1.06
1.3G1+1.4G2+1.4S+1.2R+0.98Q+1.2A+0.72T2+0.84V4+1.02D4	52.52	189.76	0.04	10.63	1.00	1.06
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1.3G1+1.4G2+1.4S+1.2R+0.98Q+1.2A+1.1AS+0.72T1+0.84V1+1.02D1	52.52	189.76	2.58	6.54	1.05	1.04
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1.3G1+1.4G2+1.4S+1.2R+1.1AS+0.72T2+0.84V1+1.02D1	52.52	189.76	2.19	3.98	1.04	1.02
1.3G1+1.4G2+1.4S+1.2R+1.1AS+0.72T2+0.84V2+0.61D2	52.52	189.76	2.19	3.98	1.04	1.02
1.3G1+1.4G2+1.4S+1.2R+1.1AS+0.72T2+0.84V2+1.02D2	52.52	189.76	2.19	3.98	1.04	1.02
1.3G1+1.4G2+1.4S+1.2R+1.1AS+0.72T2+0.84V3+0.61D3	52.52	189.76	- 0.10	7.70	1.00	1.04
1.3G1+1.4G2+1.4S+1.2R+1.1AS+0.72T2+0.84V3+1.02D3	52.52	189.76	- 0.10	7.70	1.00	1.04
1.3G1+1.4G2+1.4S+1.2R+1.1AS+0.72T2+0.84V4+0.61D4	52.52	189.76	- 0.10	7.70	1.00	1.04
1.3G1+1.4G2+1.4S+1.2R+1.1AS+0.72T2+0.84V4+1.02D4	52.52	189.76	- 0.10	7.70	1.00	1.04
1.3G1+1.4G2+1.4S+1.2R+1.1AS+0.72T2+1.4V1+0.61D1	87.53	316.27	3.75	4.00	1.04	1.01
1.3G1+1.4G2+1.4S+1.2R+1.1AS+0.72T2+1.4V2+0.61D2	87.53	316.27	3.76	4.00	1.04	1.01
1.3G1+1.4G2+1.4S+1.2R+1.1AS+0.72T2+1.4V3+0.61D3	87.53	316.27	- 0.07	10.19	1.00	1.03
1.3G1+1.4G2+1.4S+1.2R+1.1AS+0.72T2+1.4V4+0.61D4	87.53	316.27	- 0.07	10.19	1.00	1.03
1.3G1+1.4G2+1.4S+1.2R+1.1AS+0.84V1+0.61D1	52.52	189.76	2.19	3.98	1.04	1.02
1.3G1+1.4G2+1.4S+1.2R+1.1AS+0.84V1+1.02D1	52.52	189.76	2.19	3.98	1.04	1.02
1.3G1+1.4G2+1.4S+1.2R+1.1AS+0.84V2+0.61D2	52.52	189.76	2.19	3.98	1.04	1.02
1.3G1+1.4G2+1.4S+1.2R+1.1AS+0.84V2+1.02D2	52.52	189.76	2.19	3.98	1.04	1.02
1.3G1+1.4G2+1.4S+1.2R+1.1AS+0.84V3+0.61D3	52.52	189.76	- 0.10	7.70	1.00	1.04
1.3G1+1.4G2+1.4S+1.2R+1.1AS+0.84V3+1.02D3	52.52	189.76	- 0.10	7.70	1.00	1.04
1.3G1+1.4G2+1.4S+1.2R+1.1AS+0.84V4+0.61D4	52.52	189.76	- 0.10	7.70	1.00	1.04
1.3G1+1.4G2+1.4S+1.2R+1.1AS+0.84V4+1.02D4	52.52	189.76	- 0.10	7.70	1.00	1.04
1.3G1+1.4G2+1.4S+1.2R+1.1AS+1.2T1+0.84V1+0.61D1	52.52	189.76	2.19	3.98	1.04	1.02
1.3G1+1.4G2+1.4S+1.2R+1.1AS+1.2T1+0.84V2+0.61D2	52.52	189.76	2.19	3.98	1.04	1.02
1.3G1+1.4G2+1.4S+1.2R+1.1AS+1.2T1+0.84V3+0.61D3	52.52	189.76	- 0.10	7.70	1.00	1.04
1.3G1+1.4G2+1.4S+1.2R+1.1AS+1.2T1+0.84V4+0.61D4	52.52	189.76	- 0.10	7.70	1.00	1.04
1.3G1+1.4G2+1.4S+1.2R+1.1AS+1.2T2+0.84V1+0.61D1	52.52	189.76	2.19	3.98	1.04	1.02
1.3G1+1.4G2+1.4S+1.2R+1.1AS+1.2T2+0.84V2+0.61D2	52.52	189.76	2.19	3.98	1.04	1.02
1.3G1+1.4G2+1.4S+1.2R+1.1AS+1.2T2+0.84V3+0.61D3	52.52	189.76	- 0.10	7.70	1.00	1.04
1.3G1+1.4G2+1.4S+1.2R+1.1AS+1.2T2+0.84V4+0.61D4	52.52	189.76	- 0.10	7.70	1.00	1.04
1.3G1+1.4G2+1.4S+1.2R+1.1AS+1.4V1+0.61D1	87.53	316.27	3.75	4.00	1.04	1.01
1.3G1+1.4G2+1.4S+1.2R+1.1AS+1.4V2+0.61D2	87.53	316.27	3.76	4.00	1.04	1.01
1.3G1+1.4G2+1.4S+1.2R+1.1AS+1.4V3+0.61D3	87.53	316.27	- 0.07	10.19	1.00	1.03
1.3G1+1.4G2+1.4S+1.2R+1.1AS+1.4V4+0.61D4	87.53	316.27	-	10.19	1.00	1.03

			0.07			
1.3G1+1.4G2+1.4S+1.2R+1.2T1+0.84V1+0.61D1	52.52	189.76	2.19	3.98	1.04	1.02
1.3G1+1.4G2+1.4S+1.2R+1.2T1+0.84V2+0.61D2	52.52	189.76	2.19	3.98	1.04	1.02
1.3G1+1.4G2+1.4S+1.2R+1.2T1+0.84V3+0.61D3	52.52	189.76	- 0.10	7.70	1.00	1.04
1.3G1+1.4G2+1.4S+1.2R+1.2T1+0.84V4+0.61D4	52.52	189.76	- 0.10	7.70	1.00	1.04
1.3G1+1.4G2+1.4S+1.2R+1.2T2+0.84V1+0.61D1	52.52	189.76	2.19	3.98	1.04	1.02
1.3G1+1.4G2+1.4S+1.2R+1.2T2+0.84V2+0.61D2	52.52	189.76	2.19	3.98	1.04	1.02
1.3G1+1.4G2+1.4S+1.2R+1.2T2+0.84V3+0.61D3	52.52	189.76	- 0.10	7.70	1.00	1.04
1.3G1+1.4G2+1.4S+1.2R+1.2T2+0.84V4+0.61D4	52.52	189.76	- 0.10	7.70	1.00	1.04
1.3G1+1.4G2+1.4S+1.2R+1.4Q+1.2A+0.72T1+0.84V1+0.61D1	52.52	189.76	2.76	7.77	1.06	1.04
1.3G1+1.4G2+1.4S+1.2R+1.4Q+1.2A+0.72T1+0.84V2+0.61D2	52.52	189.76	2.76	7.77	1.06	1.04
1.3G1+1.4G2+1.4S+1.2R+1.4Q+1.2A+0.72T1+0.84V3+0.61D3	52.52	189.76	0.12	12.02	1.00	1.07
1.3G1+1.4G2+1.4S+1.2R+1.4Q+1.2A+0.72T1+0.84V4+0.61D4	52.52	189.76	0.12	12.02	1.00	1.07
1.3G1+1.4G2+1.4S+1.2R+1.4Q+1.2A+0.72T2+0.84V1+0.61D1	52.52	189.76	2.76	7.77	1.06	1.04
1.3G1+1.4G2+1.4S+1.2R+1.4Q+1.2A+0.72T2+0.84V2+0.61D2	52.52	189.76	2.76	7.77	1.06	1.04
1.3G1+1.4G2+1.4S+1.2R+1.4Q+1.2A+0.72T2+0.84V3+0.61D3	52.52	189.76	0.12	12.02	1.00	1.07
1.3G1+1.4G2+1.4S+1.2R+1.4Q+1.2A+0.72T2+0.84V4+0.61D4	52.52	189.76	0.12	12.02	1.00	1.07
1.3G1+1.4G2+1.4S+1.2R+1.4Q+1.2A+0.84V1+0.61D1	52.52	189.76	2.76	7.77	1.06	1.04
1.3G1+1.4G2+1.4S+1.2R+1.4Q+1.2A+0.84V2+0.61D2	52.52	189.76	2.76	7.77	1.06	1.04
1.3G1+1.4G2+1.4S+1.2R+1.4Q+1.2A+0.84V3+0.61D3	52.52	189.76	0.12	12.02	1.00	1.07
1.3G1+1.4G2+1.4S+1.2R+1.4Q+1.2A+0.84V4+0.61D4	52.52	189.76	0.12	12.02	1.00	1.07
1.3G1+1.4G2+1.4S+1.2R+1.4Q+1.2A+1.1AS+0.72T1+0.84V1+0.61D1	52.52	189.76	2.76	7.77	1.06	1.04
1.3G1+1.4G2+1.4S+1.2R+1.4Q+1.2A+1.1AS+0.72T1+0.84V2+0.61D2	52.52	189.76	2.76	7.77	1.06	1.04
1.3G1+1.4G2+1.4S+1.2R+1.4Q+1.2A+1.1AS+0.72T1+0.84V3+0.61D3	52.52	189.76	0.12	12.02	1.00	1.07
1.3G1+1.4G2+1.4S+1.2R+1.4Q+1.2A+1.1AS+0.72T1+0.84V4+0.61D4	52.52	189.76	0.12	12.02	1.00	1.07
1.3G1+1.4G2+1.4S+1.2R+1.4Q+1.2A+1.1AS+0.72T2+0.84V1+0.61D1	52.52	189.76	2.76	7.77	1.06	1.04
1.3G1+1.4G2+1.4S+1.2R+1.4Q+1.2A+1.1AS+0.72T2+0.84V2+0.61D2	52.52	189.76	2.76	7.77	1.06	1.04
1.3G1+1.4G2+1.4S+1.2R+1.4Q+1.2A+1.1AS+0.72T2+0.84V3+0.61D3	52.52	189.76	0.12	12.02	1.00	1.07
1.3G1+1.4G2+1.4S+1.2R+1.4Q+1.2A+1.1AS+0.72T2+0.84V4+0.61D4	52.52	189.76	0.12	12.02	1.00	1.07
1.3G1+1.4G2+1.4S+1.2R+1.4Q+1.2A+1.1AS+0.84V1+0.61D1	52.52	189.76	2.76	7.77	1.06	1.04
1.3G1+1.4G2+1.4S+1.2R+1.4Q+1.2A+1.1AS+0.84V2+0.61D2	52.52	189.76	2.76	7.77	1.06	1.04
1.3G1+1.4G2+1.4S+1.2R+1.4Q+1.2A+1.1AS+0.84V3+0.61D3	52.52	189.76	0.12	12.02	1.00	1.07
1.3G1+1.4G2+1.4S+1.2R+1.4Q+1.2A+1.1AS+0.84V4+0.61D4	52.52	189.76	0.12	12.02	1.00	1.07
1.3G1+1.4G2+1.4S+1.2R+1.4V1+0.61D1	87.53	316.27	3.75	4.00	1.04	1.01
1.3G1+1.4G2+1.4S+1.2R+1.4V2+0.61D2	87.53	316.27	3.76	4.00	1.04	1.01
1.3G1+1.4G2+1.4S+1.2R+1.4V3+0.61D3	87.53	316.27	- 0.07	10.19	1.00	1.03
1.3G1+1.4G2+1.4S+1.2R+1.4V4+0.61D4	87.53	316.27	- 0.07	10.19	1.00	1.03
1.3G1+1.4G2+1.4S+1.2T1+0.84V1+0.61D1	52.52	189.76	2.19	3.98	1.04	1.02
1.3G1+1.4G2+1.4S+1.2T1+0.84V2+0.61D2	52.52	189.76	2.19	3.98	1.04	1.02
1.3G1+1.4G2+1.4S+1.2T1+0.84V3+0.61D3	52.52	189.76	- 0.10	7.70	1.00	1.04
1.3G1+1.4G2+1.4S+1.2T1+0.84V4+0.61D4	52.52	189.76	- 0.10	7.70	1.00	1.04
1.3G1+1.4G2+1.4S+1.2T2+0.84V1+0.61D1	52.52	189.76	2.19	3.98	1.04	1.02
1.3G1+1.4G2+1.4S+1.2T2+0.84V2+0.61D2	52.52	189.76	2.19	3.98	1.04	1.02
1.3G1+1.4G2+1.4S+1.2T2+0.84V3+0.61D3	52.52	189.76	- 0.10	7.70	1.00	1.04
1.3G1+1.4G2+1.4S+1.2T2+0.84V4+0.61D4	52.52	189.76	- 0.10	7.70	1.00	1.04
1.3G1+1.4G2+1.4S+1.4Q+1.2A+0.72T1+0.84V1+0.61D1	52.52	189.76	2.76	7.77	1.06	1.04
1.3G1+1.4G2+1.4S+1.4Q+1.2A+0.72T1+0.84V2+0.61D2	52.52	189.76	2.76	7.77	1.06	1.04
1.3G1+1.4G2+1.4S+1.4Q+1.2A+0.72T1+0.84V3+0.61D3	52.52	189.76	0.12	12.02	1.00	1.07
1.3G1+1.4G2+1.4S+1.4Q+1.2A+0.72T1+0.84V4+0.61D4	52.52	189.76	0.12	12.02	1.00	1.07
1.3G1+1.4G2+1.4S+1.4Q+1.2A+0.72T2+0.84V1+0.61D1	52.52	189.76	2.76	7.77	1.06	1.04
1.3G1+1.4G2+1.4S+1.4Q+1.2A+0.72T2+0.84V2+0.61D2	52.52	189.76	2.76	7.77	1.06	1.04
1.3G1+1.4G2+1.4S+1.4Q+1.2A+0.72T2+0.84V3+0.61D3	52.52	189.76	0.12	12.02	1.00	1.07
1.3G1+1.4G2+1.4S+1.4Q+1.2A+0.72T2+0.84V4+0.61D4	52.52	189.76	0.12	12.02	1.00	1.07
1.3G1+1.4G2+1.4S+1.4Q+1.2A+0.84V1+0.61D1	52.52	189.76	2.76	7.77	1.06	1.04
1.3G1+1.4G2+1.4S+1.4Q+1.2A+0.84V2+0.61D2	52.52	189.76	2.76	7.77	1.06	1.04

1.3G1+1.4G2+1.4S+1.4Q+1.2A+0.84V3+0.61D3	52.52	189.76	0.12	12.02	1.00	1.07
1.3G1+1.4G2+1.4S+1.4Q+1.2A+0.84V4+0.61D4	52.52	189.76	0.12	12.02	1.00	1.07
1.3G1+1.4G2+1.4S+1.4Q+1.2A+1.1AS+0.72T1+0.84V1+0.61D1	52.52	189.76	2.76	7.77	1.06	1.04
1.3G1+1.4G2+1.4S+1.4Q+1.2A+1.1AS+0.72T1+0.84V2+0.61D2	52.52	189.76	2.76	7.77	1.06	1.04
1.3G1+1.4G2+1.4S+1.4Q+1.2A+1.1AS+0.72T1+0.84V3+0.61D3	52.52	189.76	0.12	12.02	1.00	1.07
1.3G1+1.4G2+1.4S+1.4Q+1.2A+1.1AS+0.72T1+0.84V4+0.61D4	52.52	189.76	0.12	12.02	1.00	1.07
1.3G1+1.4G2+1.4S+1.4Q+1.2A+1.1AS+0.72T2+0.84V1+0.61D1	52.52	189.76	2.76	7.77	1.06	1.04
1.3G1+1.4G2+1.4S+1.4Q+1.2A+1.1AS+0.72T2+0.84V2+0.61D2	52.52	189.76	2.76	7.77	1.06	1.04
1.3G1+1.4G2+1.4S+1.4Q+1.2A+1.1AS+0.72T2+0.84V3+0.61D3	52.52	189.76	0.12	12.02	1.00	1.07
1.3G1+1.4G2+1.4S+1.4Q+1.2A+1.1AS+0.72T2+0.84V4+0.61D4	52.52	189.76	0.12	12.02	1.00	1.07
1.3G1+1.4G2+1.4S+1.4Q+1.2A+1.1AS+0.84V1+0.61D1	52.52	189.76	2.76	7.77	1.06	1.04
1.3G1+1.4G2+1.4S+1.4Q+1.2A+1.1AS+0.84V2+0.61D2	52.52	189.76	2.76	7.77	1.06	1.04
1.3G1+1.4G2+1.4S+1.4Q+1.2A+1.1AS+0.84V3+0.61D3	52.52	189.76	0.12	12.02	1.00	1.07
1.3G1+1.4G2+1.4S+1.4Q+1.2A+1.1AS+0.84V4+0.61D4	52.52	189.76	0.12	12.02	1.00	1.07
1.3G1+1.4G2+1.4S+1.4V1+0.61D1	87.53	316.27	3.75	4.00	1.04	1.01
1.3G1+1.4G2+1.4S+1.4V2+0.61D2	87.53	316.27	3.76	4.00	1.04	1.01
1.3G1+1.4G2+1.4S+1.4V3+0.61D3	87.53	316.27	- 0.07	10.19	1.00	1.03
1.3G1+1.4G2+1.4S+1.4V4+0.61D4	87.53	316.27	- 0.07	10.19	1.00	1.03
G1+G2+S+0.72T1+0.84V1+1.02D1	52.52	189.76	1.66	2.23	1.03	1.01
G1+G2+S+0.72T1+0.84V2+1.02D2	52.52	189.76	1.66	2.24	1.03	1.01
G1+G2+S+0.72T1+0.84V3+1.02D3	52.52	189.76	- 0.06	5.01	1.00	1.03
G1+G2+S+0.72T1+0.84V4+1.02D4	52.52	189.76	- 0.06	5.01	1.00	1.03
G1+G2+S+0.72T1+1.4V1+0.61D1	87.53	316.27	2.82	2.25	1.03	1.01
G1+G2+S+0.72T1+1.4V2+0.61D2	87.53	316.27	2.83	2.25	1.03	1.01
G1+G2+S+0.72T1+1.4V3+0.61D3	87.53	316.27	- 0.03	6.87	1.00	1.02
G1+G2+S+0.72T1+1.4V4+0.61D4	87.53	316.27	- 0.03	6.87	1.00	1.02
G1+G2+S+0.72T2+0.84V1+1.02D1	52.52	189.76	1.66	2.23	1.03	1.01
G1+G2+S+0.72T2+0.84V2+1.02D2	52.52	189.76	1.66	2.24	1.03	1.01
G1+G2+S+0.72T2+0.84V3+1.02D3	52.52	189.76	- 0.06	5.01	1.00	1.03
G1+G2+S+0.72T2+0.84V4+1.02D4	52.52	189.76	- 0.06	5.01	1.00	1.03
G1+G2+S+0.72T2+1.4V1+0.61D1	87.53	316.27	2.82	2.25	1.03	1.01
G1+G2+S+0.72T2+1.4V2+0.61D2	87.53	316.27	2.83	2.25	1.03	1.01
G1+G2+S+0.72T2+1.4V3+0.61D3	87.53	316.27	- 0.03	6.87	1.00	1.02
G1+G2+S+0.72T2+1.4V4+0.61D4	87.53	316.27	- 0.03	6.87	1.00	1.02
G1+G2+S+0.84V1+1.02D1	52.52	189.76	1.66	2.23	1.03	1.01
G1+G2+S+0.84V2+1.02D2	52.52	189.76	1.66	2.24	1.03	1.01
G1+G2+S+0.84V3+1.02D3	52.52	189.76	- 0.06	5.01	1.00	1.03
G1+G2+S+0.84V4+1.02D4	52.52	189.76	- 0.06	5.01	1.00	1.03
G1+G2+S+0.98Q+1.2A+0.72T1+0.84V1+1.02D1	52.52	189.76	2.01	4.20	1.04	1.02
G1+G2+S+0.98Q+1.2A+0.72T1+0.84V2+1.02D2	52.52	189.76	2.01	4.20	1.04	1.02
G1+G2+S+0.98Q+1.2A+0.72T1+0.84V3+1.02D3	52.52	189.76	0.05	7.35	1.00	1.04
G1+G2+S+0.98Q+1.2A+0.72T1+0.84V4+1.02D4	52.52	189.76	0.05	7.35	1.00	1.04
G1+G2+S+0.98Q+1.2A+0.72T1+1.4V1+0.61D1	87.53	316.27	3.34	4.21	1.04	1.01
G1+G2+S+0.98Q+1.2A+0.72T1+1.4V2+0.61D2	87.53	316.27	3.34	4.21	1.04	1.01
G1+G2+S+0.98Q+1.2A+0.72T1+1.4V3+0.61D3	87.53	316.27	0.08	9.46	1.00	1.03
G1+G2+S+0.98Q+1.2A+0.72T1+1.4V4+0.61D4	87.53	316.27	0.08	9.46	1.00	1.03
G1+G2+S+0.98Q+1.2A+0.72T2+0.84V1+1.02D1	52.52	189.76	2.01	4.20	1.04	1.02
G1+G2+S+0.98Q+1.2A+0.72T2+0.84V2+1.02D2	52.52	189.76	2.01	4.20	1.04	1.02
G1+G2+S+0.98Q+1.2A+0.72T2+0.84V3+1.02D3	52.52	189.76	0.05	7.35	1.00	1.04
G1+G2+S+0.98Q+1.2A+0.72T2+0.84V4+1.02D4	52.52	189.76	0.05	7.35	1.00	1.04
G1+G2+S+0.98Q+1.2A+0.72T2+1.4V1+0.61D1	87.53	316.27	3.34	4.21	1.04	1.01
G1+G2+S+0.98Q+1.2A+0.72T2+1.4V2+0.61D2	87.53	316.27	3.34	4.21	1.04	1.01
G1+G2+S+0.98Q+1.2A+0.72T2+1.4V3+0.61D3	87.53	316.27	0.08	9.46	1.00	1.03

G1+G2+S+0.98Q+1.2A+0.72T2+1.4V4+0.61D4	87.53	316.27	0.08	9.46	1.00	1.03
G1+G2+S+0.98Q+1.2A+0.84V1+1.02D1	52.52	189.76	2.01	4.20	1.04	1.02
G1+G2+S+0.98Q+1.2A+0.84V2+1.02D2	52.52	189.76	2.01	4.20	1.04	1.02
G1+G2+S+0.98Q+1.2A+0.84V3+1.02D3	52.52	189.76	0.05	7.35	1.00	1.04
G1+G2+S+0.98Q+1.2A+0.84V4+1.02D4	52.52	189.76	0.05	7.35	1.00	1.04
G1+G2+S+0.98Q+1.2A+1.1AS+0.72T1+0.84V1+0.61D1	52.52	189.76	2.01	4.20	1.04	1.02
G1+G2+S+0.98Q+1.2A+1.1AS+0.72T1+0.84V1+1.02D1	52.52	189.76	2.01	4.20	1.04	1.02
G1+G2+S+0.98Q+1.2A+1.1AS+0.72T1+0.84V2+0.61D2	52.52	189.76	2.01	4.20	1.04	1.02
G1+G2+S+0.98Q+1.2A+1.1AS+0.72T1+0.84V2+1.02D2	52.52	189.76	2.01	4.20	1.04	1.02
G1+G2+S+0.98Q+1.2A+1.1AS+0.72T1+0.84V3+0.61D3	52.52	189.76	0.05	7.35	1.00	1.04
G1+G2+S+0.98Q+1.2A+1.1AS+0.72T1+0.84V3+1.02D3	52.52	189.76	0.05	7.35	1.00	1.04
G1+G2+S+0.98Q+1.2A+1.1AS+0.72T1+0.84V4+0.61D4	52.52	189.76	0.05	7.35	1.00	1.04
G1+G2+S+0.98Q+1.2A+1.1AS+0.72T1+0.84V4+1.02D4	52.52	189.76	0.05	7.35	1.00	1.04
G1+G2+S+0.98Q+1.2A+1.1AS+0.72T1+1.4V1+0.61D1	87.53	316.27	3.34	4.21	1.04	1.01
G1+G2+S+0.98Q+1.2A+1.1AS+0.72T1+1.4V2+0.61D2	87.53	316.27	3.34	4.21	1.04	1.01
G1+G2+S+0.98Q+1.2A+1.1AS+0.72T1+1.4V3+0.61D3	87.53	316.27	0.08	9.46	1.00	1.03
G1+G2+S+0.98Q+1.2A+1.1AS+0.72T1+1.4V4+0.61D4	87.53	316.27	0.08	9.46	1.00	1.03
G1+G2+S+0.98Q+1.2A+1.1AS+0.72T2+0.84V1+0.61D1	52.52	189.76	2.01	4.20	1.04	1.02
G1+G2+S+0.98Q+1.2A+1.1AS+0.72T2+0.84V1+1.02D1	52.52	189.76	2.01	4.20	1.04	1.02
G1+G2+S+0.98Q+1.2A+1.1AS+0.72T2+0.84V2+0.61D2	52.52	189.76	2.01	4.20	1.04	1.02
G1+G2+S+0.98Q+1.2A+1.1AS+0.72T2+0.84V2+1.02D2	52.52	189.76	2.01	4.20	1.04	1.02
G1+G2+S+0.98Q+1.2A+1.1AS+0.72T2+0.84V3+0.61D3	52.52	189.76	0.05	7.35	1.00	1.04
G1+G2+S+0.98Q+1.2A+1.1AS+0.72T2+0.84V3+1.02D3	52.52	189.76	0.05	7.35	1.00	1.04
G1+G2+S+0.98Q+1.2A+1.1AS+0.72T2+0.84V4+0.61D4	52.52	189.76	0.05	7.35	1.00	1.04
G1+G2+S+0.98Q+1.2A+1.1AS+0.72T2+0.84V4+1.02D4	52.52	189.76	0.05	7.35	1.00	1.04
G1+G2+S+0.98Q+1.2A+1.1AS+0.72T2+1.4V1+0.61D1	87.53	316.27	3.34	4.21	1.04	1.01
G1+G2+S+0.98Q+1.2A+1.1AS+0.72T2+1.4V2+0.61D2	87.53	316.27	3.34	4.21	1.04	1.01
G1+G2+S+0.98Q+1.2A+1.1AS+0.72T2+1.4V3+0.61D3	87.53	316.27	0.08	9.46	1.00	1.03
G1+G2+S+0.98Q+1.2A+1.1AS+0.72T2+1.4V4+0.61D4	87.53	316.27	0.08	9.46	1.00	1.03
G1+G2+S+0.98Q+1.2A+1.1AS+0.84V1+0.61D1	52.52	189.76	2.01	4.20	1.04	1.02
G1+G2+S+0.98Q+1.2A+1.1AS+0.84V1+1.02D1	52.52	189.76	2.01	4.20	1.04	1.02
G1+G2+S+0.98Q+1.2A+1.1AS+0.84V2+0.61D2	52.52	189.76	2.01	4.20	1.04	1.02
G1+G2+S+0.98Q+1.2A+1.1AS+0.84V2+1.02D2	52.52	189.76	2.01	4.20	1.04	1.02
G1+G2+S+0.98Q+1.2A+1.1AS+0.84V3+0.61D3	52.52	189.76	0.05	7.35	1.00	1.04
G1+G2+S+0.98Q+1.2A+1.1AS+0.84V3+1.02D3	52.52	189.76	0.05	7.35	1.00	1.04
G1+G2+S+0.98Q+1.2A+1.1AS+0.84V4+0.61D4	52.52	189.76	0.05	7.35	1.00	1.04
G1+G2+S+0.98Q+1.2A+1.1AS+0.84V4+1.02D4	52.52	189.76	0.05	7.35	1.00	1.04
G1+G2+S+0.98Q+1.2A+1.1AS+1.2T1+0.84V1+0.61D1	52.52	189.76	2.01	4.20	1.04	1.02
G1+G2+S+0.98Q+1.2A+1.1AS+1.2T1+0.84V2+0.61D2	52.52	189.76	2.01	4.20	1.04	1.02
G1+G2+S+0.98Q+1.2A+1.1AS+1.2T1+0.84V3+0.61D3	52.52	189.76	0.05	7.35	1.00	1.04
G1+G2+S+0.98Q+1.2A+1.1AS+1.2T1+0.84V4+0.61D4	52.52	189.76	0.05	7.35	1.00	1.04
G1+G2+S+0.98Q+1.2A+1.1AS+1.2T2+0.84V1+0.61D1	52.52	189.76	2.01	4.20	1.04	1.02
G1+G2+S+0.98Q+1.2A+1.1AS+1.2T2+0.84V2+0.61D2	52.52	189.76	2.01	4.20	1.04	1.02
G1+G2+S+0.98Q+1.2A+1.1AS+1.2T2+0.84V3+0.61D3	52.52	189.76	0.05	7.35	1.00	1.04
G1+G2+S+0.98Q+1.2A+1.1AS+1.2T2+0.84V4+0.61D4	52.52	189.76	0.05	7.35	1.00	1.04
G1+G2+S+0.98Q+1.2A+1.1AS+1.4V1+0.61D1	87.53	316.27	3.34	4.21	1.04	1.01
G1+G2+S+0.98Q+1.2A+1.1AS+1.4V2+0.61D2	87.53	316.27	3.34	4.21	1.04	1.01
G1+G2+S+0.98Q+1.2A+1.1AS+1.4V3+0.61D3	87.53	316.27	0.08	9.46	1.00	1.03
G1+G2+S+0.98Q+1.2A+1.1AS+1.4V4+0.61D4	87.53	316.27	0.08	9.46	1.00	1.03
G1+G2+S+0.98Q+1.2A+1.2T1+0.84V1+0.61D1	52.52	189.76	2.01	4.20	1.04	1.02
G1+G2+S+0.98Q+1.2A+1.2T1+0.84V2+0.61D2	52.52	189.76	2.01	4.20	1.04	1.02
G1+G2+S+0.98Q+1.2A+1.2T1+0.84V3+0.61D3	52.52	189.76	0.05	7.35	1.00	1.04
G1+G2+S+0.98Q+1.2A+1.2T1+0.84V4+0.61D4	52.52	189.76	0.05	7.35	1.00	1.04
G1+G2+S+0.98Q+1.2A+1.2T2+0.84V1+0.61D1	52.52	189.76	2.01	4.20	1.04	1.02
G1+G2+S+0.98Q+1.2A+1.2T2+0.84V2+0.61D2	52.52	189.76	2.01	4.20	1.04	1.02
G1+G2+S+0.98Q+1.2A+1.2T2+0.84V3+0.61D3	52.52	189.76	0.05	7.35	1.00	1.04
G1+G2+S+0.98Q+1.2A+1.2T2+0.84V4+0.61D4	52.52	189.76	0.05	7.35	1.00	1.04
G1+G2+S+0.98Q+1.2A+1.4V1+0.61D1	87.53	316.27	3.34	4.21	1.04	1.01
G1+G2+S+0.98Q+1.2A+1.4V2+0.61D2	87.53	316.27	3.34	4.21	1.04	1.01
G1+G2+S+0.98Q+1.2A+1.4V3+0.61D3	87.53	316.27	0.08	9.46	1.00	1.03
G1+G2+S+0.98Q+1.2A+1.4V4+0.61D4	87.53	316.27	0.08	9.46	1.00	1.03
G1+G2+S+1.1AS+0.72T1+0.84V1+0.61D1	52.52	189.76	1.66	2.23	1.03	1.01
G1+G2+S+1.1AS+0.72T1+0.84V1+1.02D1	52.52	189.76	1.66	2.23	1.03	1.01
G1+G2+S+1.1AS+0.72T1+0.84V2+0.61D2	52.52	189.76	1.66	2.24	1.03	1.01
G1+G2+S+1.1AS+0.72T1+0.84V2+1.02D2	52.52	189.76	1.66	2.24	1.03	1.01

G1+G2+S+1.1AS+0.72T1+0.84V3+0.61D3	52.52	189.76	- 0.06	5.01	1.00	1.03
G1+G2+S+1.1AS+0.72T1+0.84V3+1.02D3	52.52	189.76	- 0.06	5.01	1.00	1.03
G1+G2+S+1.1AS+0.72T1+0.84V4+0.61D4	52.52	189.76	- 0.06	5.01	1.00	1.03
G1+G2+S+1.1AS+0.72T1+0.84V4+1.02D4	52.52	189.76	- 0.06	5.01	1.00	1.03
G1+G2+S+1.1AS+0.72T1+1.4V1+0.61D1	87.53	316.27	2.82	2.25	1.03	1.01
G1+G2+S+1.1AS+0.72T1+1.4V2+0.61D2	87.53	316.27	2.83	2.25	1.03	1.01
G1+G2+S+1.1AS+0.72T1+1.4V3+0.61D3	87.53	316.27	- 0.03	6.87	1.00	1.02
G1+G2+S+1.1AS+0.72T1+1.4V4+0.61D4	87.53	316.27	- 0.03	6.87	1.00	1.02
G1+G2+S+1.1AS+0.72T2+0.84V1+0.61D1	52.52	189.76	1.66	2.23	1.03	1.01
G1+G2+S+1.1AS+0.72T2+0.84V1+1.02D1	52.52	189.76	1.66	2.23	1.03	1.01
G1+G2+S+1.1AS+0.72T2+0.84V2+0.61D2	52.52	189.76	1.66	2.24	1.03	1.01
G1+G2+S+1.1AS+0.72T2+0.84V2+1.02D2	52.52	189.76	1.66	2.24	1.03	1.01
G1+G2+S+1.1AS+0.72T2+0.84V3+0.61D3	52.52	189.76	- 0.06	5.01	1.00	1.03
G1+G2+S+1.1AS+0.72T2+0.84V3+1.02D3	52.52	189.76	- 0.06	5.01	1.00	1.03
G1+G2+S+1.1AS+0.72T2+0.84V4+0.61D4	52.52	189.76	- 0.06	5.01	1.00	1.03
G1+G2+S+1.1AS+0.72T2+0.84V4+1.02D4	52.52	189.76	- 0.06	5.01	1.00	1.03
G1+G2+S+1.1AS+0.72T2+1.4V1+0.61D1	87.53	316.27	2.82	2.25	1.03	1.01
G1+G2+S+1.1AS+0.72T2+1.4V2+0.61D2	87.53	316.27	2.83	2.25	1.03	1.01
G1+G2+S+1.1AS+0.72T2+1.4V3+0.61D3	87.53	316.27	- 0.03	6.87	1.00	1.02
G1+G2+S+1.1AS+0.72T2+1.4V4+0.61D4	87.53	316.27	- 0.03	6.87	1.00	1.02
G1+G2+S+1.1AS+0.84V1+0.61D1	52.52	189.76	1.66	2.23	1.03	1.01
G1+G2+S+1.1AS+0.84V1+1.02D1	52.52	189.76	1.66	2.23	1.03	1.01
G1+G2+S+1.1AS+0.84V2+0.61D2	52.52	189.76	1.66	2.24	1.03	1.01
G1+G2+S+1.1AS+0.84V2+1.02D2	52.52	189.76	1.66	2.24	1.03	1.01
G1+G2+S+1.1AS+0.84V3+0.61D3	52.52	189.76	- 0.06	5.01	1.00	1.03
G1+G2+S+1.1AS+0.84V3+1.02D3	52.52	189.76	- 0.06	5.01	1.00	1.03
G1+G2+S+1.1AS+0.84V4+0.61D4	52.52	189.76	- 0.06	5.01	1.00	1.03
G1+G2+S+1.1AS+0.84V4+1.02D4	52.52	189.76	- 0.06	5.01	1.00	1.03
G1+G2+S+1.1AS+1.2T1+0.84V1+0.61D1	52.52	189.76	1.66	2.23	1.03	1.01
G1+G2+S+1.1AS+1.2T1+0.84V2+0.61D2	52.52	189.76	1.66	2.24	1.03	1.01
G1+G2+S+1.1AS+1.2T1+0.84V3+0.61D3	52.52	189.76	- 0.06	5.01	1.00	1.03
G1+G2+S+1.1AS+1.2T1+0.84V4+0.61D4	52.52	189.76	- 0.06	5.01	1.00	1.03
G1+G2+S+1.1AS+1.2T2+0.84V1+0.61D1	52.52	189.76	1.66	2.23	1.03	1.01
G1+G2+S+1.1AS+1.2T2+0.84V2+0.61D2	52.52	189.76	1.66	2.24	1.03	1.01
G1+G2+S+1.1AS+1.2T2+0.84V3+0.61D3	52.52	189.76	- 0.06	5.01	1.00	1.03
G1+G2+S+1.1AS+1.2T2+0.84V4+0.61D4	52.52	189.76	- 0.06	5.01	1.00	1.03
G1+G2+S+1.1AS+1.4V1+0.61D1	87.53	316.27	2.82	2.25	1.03	1.01
G1+G2+S+1.1AS+1.4V2+0.61D2	87.53	316.27	2.83	2.25	1.03	1.01
G1+G2+S+1.1AS+1.4V3+0.61D3	87.53	316.27	- 0.03	6.87	1.00	1.02
G1+G2+S+1.1AS+1.4V4+0.61D4	87.53	316.27	- 0.03	6.87	1.00	1.02
G1+G2+S+1.2R+0.72T1+0.84V1+1.02D1	52.52	189.76	1.66	2.23	1.03	1.01
G1+G2+S+1.2R+0.72T1+0.84V2+1.02D2	52.52	189.76	1.66	2.24	1.03	1.01
G1+G2+S+1.2R+0.72T1+0.84V3+1.02D3	52.52	189.76	- 0.06	5.01	1.00	1.03

G1+G2+S+1.2R+0.72T1+0.84V4+1.02D4	52.52	189.76	- 0.06	5.01	1.00	1.03
G1+G2+S+1.2R+0.72T1+1.4V1+0.61D1	87.53	316.27	2.82	2.25	1.03	1.01
G1+G2+S+1.2R+0.72T1+1.4V2+0.61D2	87.53	316.27	2.83	2.25	1.03	1.01
G1+G2+S+1.2R+0.72T1+1.4V3+0.61D3	87.53	316.27	- 0.03	6.87	1.00	1.02
G1+G2+S+1.2R+0.72T1+1.4V4+0.61D4	87.53	316.27	- 0.03	6.87	1.00	1.02
G1+G2+S+1.2R+0.72T2+0.84V1+1.02D1	52.52	189.76	1.66	2.23	1.03	1.01
G1+G2+S+1.2R+0.72T2+0.84V2+1.02D2	52.52	189.76	1.66	2.24	1.03	1.01
G1+G2+S+1.2R+0.72T2+0.84V3+1.02D3	52.52	189.76	- 0.06	5.01	1.00	1.03
G1+G2+S+1.2R+0.72T2+0.84V4+1.02D4	52.52	189.76	- 0.06	5.01	1.00	1.03
G1+G2+S+1.2R+0.72T2+1.4V1+0.61D1	87.53	316.27	2.82	2.25	1.03	1.01
G1+G2+S+1.2R+0.72T2+1.4V2+0.61D2	87.53	316.27	2.83	2.25	1.03	1.01
G1+G2+S+1.2R+0.72T2+1.4V3+0.61D3	87.53	316.27	- 0.03	6.87	1.00	1.02
G1+G2+S+1.2R+0.72T2+1.4V4+0.61D4	87.53	316.27	- 0.03	6.87	1.00	1.02
G1+G2+S+1.2R+0.84V1+1.02D1	52.52	189.76	1.66	2.23	1.03	1.01
G1+G2+S+1.2R+0.84V2+1.02D2	52.52	189.76	1.66	2.24	1.03	1.01
G1+G2+S+1.2R+0.84V3+1.02D3	52.52	189.76	- 0.06	5.01	1.00	1.03
G1+G2+S+1.2R+0.84V4+1.02D4	52.52	189.76	- 0.06	5.01	1.00	1.03
G1+G2+S+1.2R+0.98Q+1.2A+0.72T1+0.84V1+1.02D1	52.52	189.76	2.01	4.20	1.04	1.02
G1+G2+S+1.2R+0.98Q+1.2A+0.72T1+0.84V2+1.02D2	52.52	189.76	2.01	4.20	1.04	1.02
G1+G2+S+1.2R+0.98Q+1.2A+0.72T1+0.84V3+1.02D3	52.52	189.76	0.05	7.35	1.00	1.04
G1+G2+S+1.2R+0.98Q+1.2A+0.72T1+0.84V4+1.02D4	52.52	189.76	0.05	7.35	1.00	1.04
G1+G2+S+1.2R+0.98Q+1.2A+0.72T1+1.4V1+0.61D1	87.53	316.27	3.34	4.21	1.04	1.01
G1+G2+S+1.2R+0.98Q+1.2A+0.72T1+1.4V2+0.61D2	87.53	316.27	3.34	4.21	1.04	1.01
G1+G2+S+1.2R+0.98Q+1.2A+0.72T1+1.4V3+0.61D3	87.53	316.27	0.08	9.46	1.00	1.03
G1+G2+S+1.2R+0.98Q+1.2A+0.72T1+1.4V4+0.61D4	87.53	316.27	0.08	9.46	1.00	1.03
G1+G2+S+1.2R+0.98Q+1.2A+0.72T2+0.84V1+1.02D1	52.52	189.76	2.01	4.20	1.04	1.02
G1+G2+S+1.2R+0.98Q+1.2A+0.72T2+0.84V2+1.02D2	52.52	189.76	2.01	4.20	1.04	1.02
G1+G2+S+1.2R+0.98Q+1.2A+0.72T2+0.84V3+1.02D3	52.52	189.76	0.05	7.35	1.00	1.04
G1+G2+S+1.2R+0.98Q+1.2A+0.72T2+0.84V4+1.02D4	52.52	189.76	0.05	7.35	1.00	1.04
G1+G2+S+1.2R+0.98Q+1.2A+0.72T2+1.4V1+0.61D1	87.53	316.27	3.34	4.21	1.04	1.01
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G1+G2+S+1.2R+0.98Q+1.2A+0.72T2+1.4V3+0.61D3	87.53	316.27	0.08	9.46	1.00	1.03
G1+G2+S+1.2R+0.98Q+1.2A+0.72T2+1.4V4+0.61D4	87.53	316.27	0.08	9.46	1.00	1.03
G1+G2+S+1.2R+0.98Q+1.2A+0.84V1+1.02D1	52.52	189.76	2.01	4.20	1.04	1.02
G1+G2+S+1.2R+0.98Q+1.2A+0.84V2+1.02D2	52.52	189.76	2.01	4.20	1.04	1.02
G1+G2+S+1.2R+0.98Q+1.2A+0.84V3+1.02D3	52.52	189.76	0.05	7.35	1.00	1.04
G1+G2+S+1.2R+0.98Q+1.2A+0.84V4+1.02D4	52.52	189.76	0.05	7.35	1.00	1.04
G1+G2+S+1.2R+0.98Q+1.2A+1.1AS+0.72T1+0.84V1+0.61D1	52.52	189.76	2.01	4.20	1.04	1.02
G1+G2+S+1.2R+0.98Q+1.2A+1.1AS+0.72T1+0.84V1+1.02D1	52.52	189.76	2.01	4.20	1.04	1.02
G1+G2+S+1.2R+0.98Q+1.2A+1.1AS+0.72T1+0.84V2+0.61D2	52.52	189.76	2.01	4.20	1.04	1.02
G1+G2+S+1.2R+0.98Q+1.2A+1.1AS+0.72T1+0.84V2+1.02D2	52.52	189.76	2.01	4.20	1.04	1.02
G1+G2+S+1.2R+0.98Q+1.2A+1.1AS+0.72T1+0.84V3+0.61D3	52.52	189.76	0.05	7.35	1.00	1.04
G1+G2+S+1.2R+0.98Q+1.2A+1.1AS+0.72T1+0.84V3+1.02D3	52.52	189.76	0.05	7.35	1.00	1.04
G1+G2+S+1.2R+0.98Q+1.2A+1.1AS+0.72T1+0.84V4+0.61D4	52.52	189.76	0.05	7.35	1.00	1.04
G1+G2+S+1.2R+0.98Q+1.2A+1.1AS+0.72T1+0.84V4+1.02D4	52.52	189.76	0.05	7.35	1.00	1.04
G1+G2+S+1.2R+0.98Q+1.2A+1.1AS+0.72T1+1.4V1+0.61D1	87.53	316.27	3.34	4.21	1.04	1.01
G1+G2+S+1.2R+0.98Q+1.2A+1.1AS+0.72T1+1.4V2+0.61D2	87.53	316.27	3.34	4.21	1.04	1.01
G1+G2+S+1.2R+0.98Q+1.2A+1.1AS+0.72T1+1.4V3+0.61D3	87.53	316.27	0.08	9.46	1.00	1.03
G1+G2+S+1.2R+0.98Q+1.2A+1.1AS+0.72T1+1.4V4+0.61D4	87.53	316.27	0.08	9.46	1.00	1.03
G1+G2+S+1.2R+0.98Q+1.2A+1.1AS+0.72T2+0.84V1+0.61D1	52.52	189.76	2.01	4.20	1.04	1.02
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G1+G2+S+1.2R+0.98Q+1.2A+1.1AS+0.84V1+0.61D1	52.52	189.76	2.01	4.20	1.04	1.02
G1+G2+S+1.2R+0.98Q+1.2A+1.1AS+0.84V1+1.02D1	52.52	189.76	2.01	4.20	1.04	1.02
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G1+G2+S+1.2R+0.98Q+1.2A+1.1AS+1.4V3+0.61D3	87.53	316.27	0.08	9.46	1.00	1.03
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G1+G2+S+1.2R+0.98Q+1.2A+1.2T1+0.84V1+0.61D1	52.52	189.76	2.01	4.20	1.04	1.02
G1+G2+S+1.2R+0.98Q+1.2A+1.2T1+0.84V2+0.61D2	52.52	189.76	2.01	4.20	1.04	1.02
G1+G2+S+1.2R+0.98Q+1.2A+1.2T1+0.84V3+0.61D3	52.52	189.76	0.05	7.35	1.00	1.04
G1+G2+S+1.2R+0.98Q+1.2A+1.2T1+0.84V4+0.61D4	52.52	189.76	0.05	7.35	1.00	1.04
G1+G2+S+1.2R+0.98Q+1.2A+1.2T2+0.84V1+0.61D1	52.52	189.76	2.01	4.20	1.04	1.02
G1+G2+S+1.2R+0.98Q+1.2A+1.2T2+0.84V2+0.61D2	52.52	189.76	2.01	4.20	1.04	1.02
G1+G2+S+1.2R+0.98Q+1.2A+1.2T2+0.84V3+0.61D3	52.52	189.76	0.05	7.35	1.00	1.04
G1+G2+S+1.2R+0.98Q+1.2A+1.2T2+0.84V4+0.61D4	52.52	189.76	0.05	7.35	1.00	1.04
G1+G2+S+1.2R+0.98Q+1.2A+1.4V1+0.61D1	87.53	316.27	3.34	4.21	1.04	1.01
G1+G2+S+1.2R+0.98Q+1.2A+1.4V2+0.61D2	87.53	316.27	3.34	4.21	1.04	1.01
G1+G2+S+1.2R+0.98Q+1.2A+1.4V3+0.61D3	87.53	316.27	0.08	9.46	1.00	1.03
G1+G2+S+1.2R+0.98Q+1.2A+1.4V4+0.61D4	87.53	316.27	0.08	9.46	1.00	1.03
G1+G2+S+1.2R+1.1AS+0.72T1+0.84V1+0.61D1	52.52	189.76	1.66	2.23	1.03	1.01
G1+G2+S+1.2R+1.1AS+0.72T1+0.84V1+1.02D1	52.52	189.76	1.66	2.23	1.03	1.01
G1+G2+S+1.2R+1.1AS+0.72T1+0.84V2+0.61D2	52.52	189.76	1.66	2.24	1.03	1.01
G1+G2+S+1.2R+1.1AS+0.72T1+0.84V2+1.02D2	52.52	189.76	1.66	2.24	1.03	1.01
G1+G2+S+1.2R+1.1AS+0.72T1+0.84V3+0.61D3	52.52	189.76	- 0.06	5.01	1.00	1.03
G1+G2+S+1.2R+1.1AS+0.72T1+0.84V3+1.02D3	52.52	189.76	- 0.06	5.01	1.00	1.03
G1+G2+S+1.2R+1.1AS+0.72T1+0.84V4+0.61D4	52.52	189.76	- 0.06	5.01	1.00	1.03
G1+G2+S+1.2R+1.1AS+0.72T1+0.84V4+1.02D4	52.52	189.76	- 0.06	5.01	1.00	1.03
G1+G2+S+1.2R+1.1AS+0.72T1+1.4V1+0.61D1	87.53	316.27	2.82	2.25	1.03	1.01
G1+G2+S+1.2R+1.1AS+0.72T1+1.4V2+0.61D2	87.53	316.27	2.83	2.25	1.03	1.01
G1+G2+S+1.2R+1.1AS+0.72T1+1.4V3+0.61D3	87.53	316.27	- 0.03	6.87	1.00	1.02
G1+G2+S+1.2R+1.1AS+0.72T1+1.4V4+0.61D4	87.53	316.27	- 0.03	6.87	1.00	1.02
G1+G2+S+1.2R+1.1AS+0.72T2+0.84V1+0.61D1	52.52	189.76	1.66	2.23	1.03	1.01
G1+G2+S+1.2R+1.1AS+0.72T2+0.84V1+1.02D1	52.52	189.76	1.66	2.23	1.03	1.01
G1+G2+S+1.2R+1.1AS+0.72T2+0.84V2+0.61D2	52.52	189.76	1.66	2.24	1.03	1.01
G1+G2+S+1.2R+1.1AS+0.72T2+0.84V2+1.02D2	52.52	189.76	1.66	2.24	1.03	1.01
G1+G2+S+1.2R+1.1AS+0.72T2+0.84V3+0.61D3	52.52	189.76	- 0.06	5.01	1.00	1.03
G1+G2+S+1.2R+1.1AS+0.72T2+0.84V3+1.02D3	52.52	189.76	- 0.06	5.01	1.00	1.03
G1+G2+S+1.2R+1.1AS+0.72T2+0.84V4+0.61D4	52.52	189.76	- 0.06	5.01	1.00	1.03

G1+G2+S+1.2R+1.1AS+0.72T2+0.84V4+1.02D4	52.52	189.76	- 0.06	5.01	1.00	1.03
G1+G2+S+1.2R+1.1AS+0.72T2+1.4V1+0.61D1	87.53	316.27	2.82	2.25	1.03	1.01
G1+G2+S+1.2R+1.1AS+0.72T2+1.4V2+0.61D2	87.53	316.27	2.83	2.25	1.03	1.01
G1+G2+S+1.2R+1.1AS+0.72T2+1.4V3+0.61D3	87.53	316.27	- 0.03	6.87	1.00	1.02
G1+G2+S+1.2R+1.1AS+0.72T2+1.4V4+0.61D4	87.53	316.27	- 0.03	6.87	1.00	1.02
G1+G2+S+1.2R+1.1AS+0.84V1+0.61D1	52.52	189.76	1.66	2.23	1.03	1.01
G1+G2+S+1.2R+1.1AS+0.84V1+1.02D1	52.52	189.76	1.66	2.23	1.03	1.01
G1+G2+S+1.2R+1.1AS+0.84V2+0.61D2	52.52	189.76	1.66	2.24	1.03	1.01
G1+G2+S+1.2R+1.1AS+0.84V2+1.02D2	52.52	189.76	1.66	2.24	1.03	1.01
G1+G2+S+1.2R+1.1AS+0.84V3+0.61D3	52.52	189.76	- 0.06	5.01	1.00	1.03
G1+G2+S+1.2R+1.1AS+0.84V3+1.02D3	52.52	189.76	- 0.06	5.01	1.00	1.03
G1+G2+S+1.2R+1.1AS+0.84V4+0.61D4	52.52	189.76	- 0.06	5.01	1.00	1.03
G1+G2+S+1.2R+1.1AS+0.84V4+1.02D4	52.52	189.76	- 0.06	5.01	1.00	1.03
G1+G2+S+1.2R+1.1AS+1.2T1+0.84V1+0.61D1	52.52	189.76	1.66	2.23	1.03	1.01
G1+G2+S+1.2R+1.1AS+1.2T1+0.84V2+0.61D2	52.52	189.76	1.66	2.24	1.03	1.01
G1+G2+S+1.2R+1.1AS+1.2T1+0.84V3+0.61D3	52.52	189.76	- 0.06	5.01	1.00	1.03
G1+G2+S+1.2R+1.1AS+1.2T1+0.84V4+0.61D4	52.52	189.76	- 0.06	5.01	1.00	1.03
G1+G2+S+1.2R+1.1AS+1.2T2+0.84V1+0.61D1	52.52	189.76	1.66	2.23	1.03	1.01
G1+G2+S+1.2R+1.1AS+1.2T2+0.84V2+0.61D2	52.52	189.76	1.66	2.24	1.03	1.01
G1+G2+S+1.2R+1.1AS+1.2T2+0.84V3+0.61D3	52.52	189.76	- 0.06	5.01	1.00	1.03
G1+G2+S+1.2R+1.1AS+1.2T2+0.84V4+0.61D4	52.52	189.76	- 0.06	5.01	1.00	1.03
G1+G2+S+1.2R+1.1AS+1.4V1+0.61D1	87.53	316.27	2.82	2.25	1.03	1.01
G1+G2+S+1.2R+1.1AS+1.4V2+0.61D2	87.53	316.27	2.83	2.25	1.03	1.01
G1+G2+S+1.2R+1.1AS+1.4V3+0.61D3	87.53	316.27	- 0.03	6.87	1.00	1.02
G1+G2+S+1.2R+1.1AS+1.4V4+0.61D4	87.53	316.27	- 0.03	6.87	1.00	1.02
G1+G2+S+1.2R+1.2T1+0.84V1+0.61D1	52.52	189.76	1.66	2.23	1.03	1.01
G1+G2+S+1.2R+1.2T1+0.84V2+0.61D2	52.52	189.76	1.66	2.24	1.03	1.01
G1+G2+S+1.2R+1.2T1+0.84V3+0.61D3	52.52	189.76	- 0.06	5.01	1.00	1.03
G1+G2+S+1.2R+1.2T1+0.84V4+0.61D4	52.52	189.76	- 0.06	5.01	1.00	1.03
G1+G2+S+1.2R+1.2T2+0.84V1+0.61D1	52.52	189.76	1.66	2.23	1.03	1.01
G1+G2+S+1.2R+1.2T2+0.84V2+0.61D2	52.52	189.76	1.66	2.24	1.03	1.01
G1+G2+S+1.2R+1.2T2+0.84V3+0.61D3	52.52	189.76	- 0.06	5.01	1.00	1.03
G1+G2+S+1.2R+1.2T2+0.84V4+0.61D4	52.52	189.76	- 0.06	5.01	1.00	1.03
G1+G2+S+1.2R+1.4Q+1.2A+0.72T1+0.84V1+0.61D1	52.52	189.76	2.17	5.17	1.04	1.03
G1+G2+S+1.2R+1.4Q+1.2A+0.72T1+0.84V2+0.61D2	52.52	189.76	2.17	5.17	1.04	1.03
G1+G2+S+1.2R+1.4Q+1.2A+0.72T1+0.84V3+0.61D3	52.52	189.76	0.11	8.48	1.00	1.05
G1+G2+S+1.2R+1.4Q+1.2A+0.72T1+0.84V4+0.61D4	52.52	189.76	0.11	8.48	1.00	1.05
G1+G2+S+1.2R+1.4Q+1.2A+0.72T2+0.84V1+0.61D1	52.52	189.76	2.17	5.17	1.04	1.03
G1+G2+S+1.2R+1.4Q+1.2A+0.72T2+0.84V2+0.61D2	52.52	189.76	2.17	5.17	1.04	1.03
G1+G2+S+1.2R+1.4Q+1.2A+0.72T2+0.84V3+0.61D3	52.52	189.76	0.11	8.48	1.00	1.05
G1+G2+S+1.2R+1.4Q+1.2A+0.72T2+0.84V4+0.61D4	52.52	189.76	0.11	8.48	1.00	1.05
G1+G2+S+1.2R+1.4Q+1.2A+0.84V1+0.61D1	52.52	189.76	2.17	5.17	1.04	1.03
G1+G2+S+1.2R+1.4Q+1.2A+0.84V2+0.61D2	52.52	189.76	2.17	5.17	1.04	1.03
G1+G2+S+1.2R+1.4Q+1.2A+0.84V3+0.61D3	52.52	189.76	0.11	8.48	1.00	1.05
G1+G2+S+1.2R+1.4Q+1.2A+0.84V4+0.61D4	52.52	189.76	0.11	8.48	1.00	1.05
G1+G2+S+1.2R+1.4Q+1.2A+1.1AS+0.72T1+0.84V1+0.61D1	52.52	189.76	2.17	5.17	1.04	1.03
G1+G2+S+1.2R+1.4Q+1.2A+1.1AS+0.72T1+0.84V2+0.61D2	52.52	189.76	2.17	5.17	1.04	1.03
G1+G2+S+1.2R+1.4Q+1.2A+1.1AS+0.72T1+0.84V3+0.61D3	52.52	189.76	0.11	8.48	1.00	1.05
G1+G2+S+1.2R+1.4Q+1.2A+1.1AS+0.72T1+0.84V4+0.61D4	52.52	189.76	0.11	8.48	1.00	1.05

G1+G2+S+1.2R+1.4Q+1.2A+1.1AS+0.72T2+0.84V1+0.61D1	52.52	189.76	2.17	5.17	1.04	1.03
G1+G2+S+1.2R+1.4Q+1.2A+1.1AS+0.72T2+0.84V2+0.61D2	52.52	189.76	2.17	5.17	1.04	1.03
G1+G2+S+1.2R+1.4Q+1.2A+1.1AS+0.72T2+0.84V3+0.61D3	52.52	189.76	0.11	8.48	1.00	1.05
G1+G2+S+1.2R+1.4Q+1.2A+1.1AS+0.72T2+0.84V4+0.61D4	52.52	189.76	0.11	8.48	1.00	1.05
G1+G2+S+1.2R+1.4Q+1.2A+1.1AS+0.84V1+0.61D1	52.52	189.76	2.17	5.17	1.04	1.03
G1+G2+S+1.2R+1.4Q+1.2A+1.1AS+0.84V2+0.61D2	52.52	189.76	2.17	5.17	1.04	1.03
G1+G2+S+1.2R+1.4Q+1.2A+1.1AS+0.84V3+0.61D3	52.52	189.76	0.11	8.48	1.00	1.05
G1+G2+S+1.2R+1.4Q+1.2A+1.1AS+0.84V4+0.61D4	52.52	189.76	0.11	8.48	1.00	1.05
G1+G2+S+1.2R+1.4V1+0.61D1	87.53	316.27	2.82	2.25	1.03	1.01
G1+G2+S+1.2R+1.4V2+0.61D2	87.53	316.27	2.83	2.25	1.03	1.01
G1+G2+S+1.2R+1.4V3+0.61D3	87.53	316.27	- 0.03	6.87	1.00	1.02
G1+G2+S+1.2R+1.4V4+0.61D4	87.53	316.27	- 0.03	6.87	1.00	1.02
G1+G2+S+1.2T1+0.84V1+0.61D1	52.52	189.76	1.66	2.23	1.03	1.01
G1+G2+S+1.2T1+0.84V2+0.61D2	52.52	189.76	1.66	2.24	1.03	1.01
G1+G2+S+1.2T1+0.84V3+0.61D3	52.52	189.76	- 0.06	5.01	1.00	1.03
G1+G2+S+1.2T1+0.84V4+0.61D4	52.52	189.76	- 0.06	5.01	1.00	1.03
G1+G2+S+1.2T2+0.84V1+0.61D1	52.52	189.76	1.66	2.23	1.03	1.01
G1+G2+S+1.2T2+0.84V2+0.61D2	52.52	189.76	1.66	2.24	1.03	1.01
G1+G2+S+1.2T2+0.84V3+0.61D3	52.52	189.76	- 0.06	5.01	1.00	1.03
G1+G2+S+1.2T2+0.84V4+0.61D4	52.52	189.76	- 0.06	5.01	1.00	1.03
G1+G2+S+1.4Q+1.2A+0.72T1+0.84V1+0.61D1	52.52	189.76	2.17	5.17	1.04	1.03
G1+G2+S+1.4Q+1.2A+0.72T1+0.84V2+0.61D2	52.52	189.76	2.17	5.17	1.04	1.03
G1+G2+S+1.4Q+1.2A+0.72T1+0.84V3+0.61D3	52.52	189.76	0.11	8.48	1.00	1.05
G1+G2+S+1.4Q+1.2A+0.72T1+0.84V4+0.61D4	52.52	189.76	0.11	8.48	1.00	1.05
G1+G2+S+1.4Q+1.2A+0.72T2+0.84V1+0.61D1	52.52	189.76	2.17	5.17	1.04	1.03
G1+G2+S+1.4Q+1.2A+0.72T2+0.84V2+0.61D2	52.52	189.76	2.17	5.17	1.04	1.03
G1+G2+S+1.4Q+1.2A+0.72T2+0.84V3+0.61D3	52.52	189.76	0.11	8.48	1.00	1.05
G1+G2+S+1.4Q+1.2A+0.72T2+0.84V4+0.61D4	52.52	189.76	0.11	8.48	1.00	1.05
G1+G2+S+1.4Q+1.2A+0.84V1+0.61D1	52.52	189.76	2.17	5.17	1.04	1.03
G1+G2+S+1.4Q+1.2A+0.84V2+0.61D2	52.52	189.76	2.17	5.17	1.04	1.03
G1+G2+S+1.4Q+1.2A+0.84V3+0.61D3	52.52	189.76	0.11	8.48	1.00	1.05
G1+G2+S+1.4Q+1.2A+0.84V4+0.61D4	52.52	189.76	0.11	8.48	1.00	1.05
G1+G2+S+1.4Q+1.2A+1.1AS+0.72T1+0.84V1+0.61D1	52.52	189.76	2.17	5.17	1.04	1.03
G1+G2+S+1.4Q+1.2A+1.1AS+0.72T1+0.84V2+0.61D2	52.52	189.76	2.17	5.17	1.04	1.03
G1+G2+S+1.4Q+1.2A+1.1AS+0.72T1+0.84V3+0.61D3	52.52	189.76	0.11	8.48	1.00	1.05
G1+G2+S+1.4Q+1.2A+1.1AS+0.72T1+0.84V4+0.61D4	52.52	189.76	0.11	8.48	1.00	1.05
G1+G2+S+1.4Q+1.2A+1.1AS+0.72T2+0.84V1+0.61D1	52.52	189.76	2.17	5.17	1.04	1.03
G1+G2+S+1.4Q+1.2A+1.1AS+0.72T2+0.84V2+0.61D2	52.52	189.76	2.17	5.17	1.04	1.03
G1+G2+S+1.4Q+1.2A+1.1AS+0.72T2+0.84V3+0.61D3	52.52	189.76	0.11	8.48	1.00	1.05
G1+G2+S+1.4Q+1.2A+1.1AS+0.72T2+0.84V4+0.61D4	52.52	189.76	0.11	8.48	1.00	1.05
G1+G2+S+1.4Q+1.2A+1.1AS+0.84V1+0.61D1	52.52	189.76	2.17	5.17	1.04	1.03
G1+G2+S+1.4Q+1.2A+1.1AS+0.84V2+0.61D2	52.52	189.76	2.17	5.17	1.04	1.03
G1+G2+S+1.4Q+1.2A+1.1AS+0.84V3+0.61D3	52.52	189.76	0.11	8.48	1.00	1.05
G1+G2+S+1.4Q+1.2A+1.1AS+0.84V4+0.61D4	52.52	189.76	0.11	8.48	1.00	1.05
G1+G2+S+1.4V1+0.61D1	87.53	316.27	2.82	2.25	1.03	1.01
G1+G2+S+1.4V2+0.61D2	87.53	316.27	2.83	2.25	1.03	1.01
G1+G2+S+1.4V3+0.61D3	87.53	316.27	- 0.03	6.87	1.00	1.02
G1+G2+S+1.4V4+0.61D4	87.53	316.27	- 0.03	6.87	1.00	1.02

Deslocamentos Horizontais Devido à Ação do Vento

Verificações	X+	X-	Y+	Y-
Altura total da edificação (cm)	1690.00			
Deslocamento limite (cm)	0.99			
Deslocamento característico (cm)	0.21	-0.21	0.70	-0.70
gf2	0.30	0.30	0.30	0.30
Deslocamento combinações frequentes (cm)	0.06	-0.06	0.21	-0.21

Pavimento	Altura (cm)	Deslocamento combinações frequentes (cm)				Diferença (cm)				Limite (cm)
		X+	X-	Y+	Y-	X+	X-	Y+	Y-	
COB. CAIXA	575.00	0.06	-0.06	0.21	-0.21	0.01	-0.01	0.09	-0.09	0.68
CAIXA D'ÁGUA	200.00	0.06	-0.06	0.12	-0.12	0.01	-0.01	0.05	-0.05	0.24
BARRILETE	495.00	0.05	-0.05	0.07	-0.07	0.03	-0.03	0.04	-0.04	0.58
SUPERIOR	320.00	0.02	-0.02	0.03	-0.03	0.02	-0.02	0.02	-0.02	0.38
BALDRAME	100.00	0.00	0.00	0.01	-0.01	0.00	0.00	0.01	-0.01	0.12

Análise da Não Linearidade Geométrica pelo Processo P-Delta

Acidental								
Pavimento	Deslocamentos horizontais médios (cm)				Esforço aplicado (tf)			
	1a. ordem		1a. + 2a. ordem		1a. ordem		1a. + 2a. ordem	
	Eixo X	Eixo Y	Eixo X	Eixo Y	Eixo X	Eixo Y	Eixo X	Eixo Y
COB. CAIXA	0.01	-0.09	0.02	-0.09	0.04	0.00	0.04	0.00
CAIXA D'ÁGUA	0.02	-0.07	0.02	-0.08	0.00	0.00	0.00	0.00
BARRILETE	0.01	-0.11	0.01	-0.11	0.00	0.00	0.00	-0.14
SUPERIOR	0.00	-0.06	0.00	-0.06	0.00	0.00	0.00	-0.32
BALDRAME	0.00	-0.01	0.00	-0.01	0.00	0.00	0.01	0.22

Variação no deslocamento do topo da edificação: 2.29%

Vento X+								
Pavimento	Deslocamentos horizontais médios (cm)				Esforço aplicado (tf)			
	1a. ordem		1a. + 2a. ordem		1a. ordem		1a. + 2a. ordem	
	Eixo X	Eixo Y	Eixo X	Eixo Y	Eixo X	Eixo Y	Eixo X	Eixo Y
COB. CAIXA	0.21	0.01	0.23	0.01	0.43	0.00	0.43	0.00
CAIXA D'ÁGUA	0.19	0.01	0.20	0.01	0.83	0.00	0.85	0.00
BARRILETE	0.17	0.00	0.18	0.00	3.02	0.00	3.28	0.00
SUPERIOR	0.07	0.00	0.07	0.00	3.48	0.00	3.66	0.00
BALDRAME	0.01	0.00	0.02	0.00	0.10	0.00	0.01	0.00

Variação no deslocamento do topo da edificação: 4.98%

Vento X-								
Pavimento	Deslocamentos horizontais médios (cm)				Esforço aplicado (tf)			
	1a. ordem		1a. + 2a. ordem		1a. ordem		1a. + 2a. ordem	
	Eixo X	Eixo Y	Eixo X	Eixo Y	Eixo X	Eixo Y	Eixo X	Eixo Y
COB. CAIXA	-0.21	-0.01	-0.23	-0.01	-0.43	0.00	-0.43	0.00
CAIXA D'ÁGUA	-0.19	-0.01	-0.20	-0.01	-0.83	0.00	-0.85	0.00
BARRILETE	-0.17	0.00	-0.18	0.00	-3.02	0.00	-3.28	0.00
SUPERIOR	-0.07	0.00	-0.07	0.00	-3.48	0.00	-3.66	0.00
BALDRAME	-0.01	0.00	-0.02	0.00	-0.10	0.00	-0.01	0.00

Variação no deslocamento do topo da edificação: 4.98%

Vento Y+								
Pavimento	Deslocamentos horizontais médios (cm)				Esforço aplicado (tf)			
	1a. ordem		1a. + 2a. ordem		1a. ordem		1a. + 2a. ordem	
	Eixo X	Eixo Y	Eixo X	Eixo Y	Eixo X	Eixo Y	Eixo X	Eixo Y
COB. CAIXA	0.04	0.70	0.04	0.71	0.00	1.74	0.00	1.75
CAIXA D'ÁGUA	0.04	0.40	0.04	0.41	0.00	3.35	0.00	3.40
BARRILETE	0.00	0.24	0.00	0.25	0.00	9.95	-0.02	10.27
SUPERIOR	0.00	0.10	0.00	0.10	0.00	12.61	-0.01	12.81
BALDRAME	0.00	0.02	0.00	0.02	0.00	0.39	0.00	0.35

Variação no deslocamento do topo da edificação: 1.65%

Vento Y-								
Pavimento	Deslocamentos horizontais médios (cm)				Esforço aplicado (tf)			
	1a. ordem		1a. + 2a. ordem		1a. ordem		1a. + 2a. ordem	
	Eixo X	Eixo Y	Eixo X	Eixo Y	Eixo X	Eixo Y	Eixo X	Eixo Y
COB. CAIXA	-0.04	-0.70	-0.04	-0.71	0.00	-1.74	0.00	-1.75
CAIXA DÁGUA	-0.04	-0.40	-0.04	-0.41	0.00	-3.35	0.00	-3.40
BARRILETE	0.00	-0.24	0.00	-0.25	0.00	-9.95	0.02	-10.27
SUPERIOR	0.00	-0.10	0.00	-0.10	0.00	-12.61	0.01	-12.81
BALDRAME	0.00	-0.02	0.00	-0.02	0.00	-0.39	0.00	-0.35

Variação no deslocamento do topo da edificação: 1.65%

Desaprumo X+								
Pavimento	Deslocamentos horizontais médios (cm)				Esforço aplicado (tf)			
	1a. ordem		1a. + 2a. ordem		1a. ordem		1a. + 2a. ordem	
	Eixo X	Eixo Y	Eixo X	Eixo Y	Eixo X	Eixo Y	Eixo X	Eixo Y
COB. CAIXA	0.11	0.00	0.12	0.00	0.02	0.00	0.02	0.00
CAIXA DÁGUA	0.10	0.00	0.11	-0.01	0.31	0.00	0.32	0.00
BARRILETE	0.10	0.00	0.10	0.00	2.13	0.00	2.28	0.00
SUPERIOR	0.04	0.00	0.05	0.00	1.95	0.00	2.06	0.00
BALDRAME	0.01	0.00	0.01	0.00	2.36	0.00	2.36	0.00

Variação no deslocamento do topo da edificação: 5.57%

Desaprumo X-								
Pavimento	Deslocamentos horizontais médios (cm)				Esforço aplicado (tf)			
	1a. ordem		1a. + 2a. ordem		1a. ordem		1a. + 2a. ordem	
	Eixo X	Eixo Y	Eixo X	Eixo Y	Eixo X	Eixo Y	Eixo X	Eixo Y
COB. CAIXA	-0.11	0.00	-0.12	0.00	-0.02	0.00	-0.02	0.00
CAIXA DÁGUA	-0.10	0.00	-0.11	0.01	-0.31	0.00	-0.32	0.00
BARRILETE	-0.10	0.00	-0.10	0.00	-2.13	0.00	-2.28	0.00
SUPERIOR	-0.04	0.00	-0.05	0.00	-1.95	0.00	-2.06	0.00
BALDRAME	-0.01	0.00	-0.01	0.00	-2.36	0.00	-2.36	0.00

Variação no deslocamento do topo da edificação: 5.57%

Desaprumo Y+								
Pavimento	Deslocamentos horizontais médios (cm)				Esforço aplicado (tf)			
	1a. ordem		1a. + 2a. ordem		1a. ordem		1a. + 2a. ordem	
	Eixo X	Eixo Y	Eixo X	Eixo Y	Eixo X	Eixo Y	Eixo X	Eixo Y
COB. CAIXA	0.00	0.06	0.00	0.06	0.00	0.02	0.00	0.03
CAIXA DÁGUA	0.00	0.04	0.00	0.05	0.00	0.31	0.00	0.31
BARRILETE	0.00	0.04	0.00	0.04	0.00	2.13	0.00	2.18
SUPERIOR	0.00	0.02	0.00	0.02	0.00	1.95	0.00	1.98
BALDRAME	0.00	0.00	0.00	0.00	0.00	2.36	0.00	2.37

Variação no deslocamento do topo da edificação: 2.03%

Desaprumo Y-

Pavimento	Deslocamentos horizontais médios (cm)				Esforço aplicado (tf)			
	1a. ordem		1a. + 2a. ordem		1a. ordem		1a. + 2a. ordem	
	Eixo X	Eixo Y	Eixo X	Eixo Y	Eixo X	Eixo Y	Eixo X	Eixo Y
COB. CAIXA	0.00	-0.06	0.00	-0.06	0.00	-0.02	0.00	-0.03
CAIXA D'ÁGUA	0.00	-0.04	0.00	-0.05	0.00	-0.31	0.00	-0.31
BARRILETE	0.00	-0.04	0.00	-0.04	0.00	-2.13	0.00	-2.18
SUPERIOR	0.00	-0.02	0.00	-0.02	0.00	-1.95	0.00	-1.98
BALDRAME	0.00	0.00	0.00	0.00	0.00	-2.36	0.00	-2.37

Variação no deslocamento do topo da edificação: 2.03%

Imperfeições geométricas globais

Parâmetros	Direção X	Direção Y
Altura total da edificação (cm)	1690.00	
Nº de pilares contínuos	6	
Combinação vertical	G1+G2+A+Q	
Gama-Z	1.06	1.07
Tipo de estrutura	Estruturas usuais	
Ângulo adotado	1/393	1/393

Pavimento	Carga vertical (tf)	Carga aplicada (tf)		Deslocamento (cm)	
		X	Y	X	Y
COB. CAIXA	29.96	0.08	0.08	0.11	0.06
CAIXA D'ÁGUA	131.86	0.34	0.34	0.10	0.04
BARRILETE	835.32	2.13	2.13	0.10	0.04
SUPERIOR	790.37	2.01	2.01	0.04	0.02
BALDRAME	927.23	2.36	2.36	0.01	0.00

Relatório de Esforços na Fundação por Elementos

Pilares de Fundações

Fundação B1						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	29.73	0.00	0.00	-0.56	3.42	0.00
Adicional (G2)	17.62	0.00	0.00	-0.32	2.39	0.00
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Retração (R)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	8.49	0.00	0.00	-0.34	2.32	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
Temperatura 1 (T1)	0.00	0.00	0.00	0.00	0.00	0.00
Temperatura 2 (T2)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	-0.29	0.00	0.00	-0.01	0.02	0.00
Vento X- (V2)	0.29	0.00	0.00	0.01	-0.02	0.00
Vento Y+ (V3)	0.29	0.00	0.00	-0.01	-0.30	0.00
Vento Y- (V4)	-0.29	0.00	0.00	0.01	0.30	0.00
Desaprumo X+ (D1)	-0.14	0.00	0.00	0.01	-0.01	0.00
Desaprumo X- (D2)	0.14	0.00	0.00	-0.01	0.01	0.00
Desaprumo Y+ (D3)	0.10	0.00	0.00	0.00	-0.08	0.00
Desaprumo Y- (D4)	-0.10	0.00	0.00	0.00	0.08	0.00
G1+G2	47.35	0.00	0.00	-0.88	5.81	0.00
G1+G2+0.6V1+0.73D1	47.07	0.00	0.00	-0.88	5.82	0.00
G1+G2+0.6V2+0.73D2	47.63	0.00	0.00	-0.88	5.81	0.00
G1+G2+0.6V3+0.73D3	47.60	0.00	0.00	-0.88	5.57	0.00
G1+G2+0.6V4+0.73D4	47.10	0.00	0.00	-0.87	6.06	0.00
G1+G2+0.7Q+0.6V1+0.73D1	53.01	0.00	0.00	-1.11	7.44	0.00
G1+G2+0.7Q+0.6V2+0.73D2	53.57	0.00	0.00	-1.11	7.43	0.00
G1+G2+0.7Q+0.6V3+0.73D3	53.54	0.00	0.00	-1.12	7.20	0.00
G1+G2+0.7Q+0.6V4+0.73D4	53.04	0.00	0.00	-1.11	7.68	0.00
G1+G2+0.7Q+V1+0.44D1	52.94	0.00	0.00	-1.12	7.45	0.00
G1+G2+0.7Q+V2+0.44D2	53.65	0.00	0.00	-1.11	7.42	0.00
G1+G2+0.7Q+V3+0.44D3	53.63	0.00	0.00	-1.12	7.10	0.00
G1+G2+0.7Q+V4+0.44D4	52.96	0.00	0.00	-1.10	7.78	0.00
G1+G2+D1	47.21	0.00	0.00	-0.87	5.80	0.00
G1+G2+D2	47.49	0.00	0.00	-0.89	5.83	0.00
G1+G2+D3	47.45	0.00	0.00	-0.88	5.73	0.00
G1+G2+D4	47.25	0.00	0.00	-0.87	5.90	0.00
G1+G2+Q	55.84	0.00	0.00	-1.22	8.13	0.00
G1+G2+Q+0.6V1+0.44D1	55.60	0.00	0.00	-1.22	8.14	0.00
G1+G2+Q+0.6V2+0.44D2	56.08	0.00	0.00	-1.21	8.13	0.00
G1+G2+Q+0.6V3+0.44D3	56.06	0.00	0.00	-1.22	7.92	0.00
G1+G2+Q+0.6V4+0.44D4	55.62	0.00	0.00	-1.21	8.35	0.00
G1+G2+Q+D1	55.70	0.00	0.00	-1.21	8.12	0.00
G1+G2+Q+D2	55.98	0.00	0.00	-1.22	8.15	0.00
G1+G2+Q+D3	55.94	0.00	0.00	-1.22	8.05	0.00
G1+G2+Q+D4	55.74	0.00	0.00	-1.21	8.22	0.00
G1+G2+V1+0.44D1	46.99	0.00	0.00	-0.88	5.83	0.00
G1+G2+V2+0.44D2	47.71	0.00	0.00	-0.87	5.80	0.00
G1+G2+V3+0.44D3	47.69	0.00	0.00	-0.89	5.48	0.00
G1+G2+V4+0.44D4	47.01	0.00	0.00	-0.87	6.15	0.00

Fundação B2						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	52.59	0.00	0.00	0.06	5.34	0.00
Adicional (G2)	26.12	0.00	0.00	-0.04	3.68	0.00
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Retração (R)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	19.88	0.00	0.00	0.05	4.31	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
Temperatura 1 (T1)	0.00	0.00	0.00	0.00	0.00	0.00
Temperatura 2 (T2)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	0.02	0.00	0.00	0.03	0.02	0.00
Vento X- (V2)	-0.02	0.00	0.00	-0.03	-0.02	0.00
Vento Y+ (V3)	0.28	0.00	0.00	-0.02	-0.33	0.00
Vento Y- (V4)	-0.28	0.00	0.00	0.02	0.33	0.00
Desaprumo X+ (D1)	0.04	0.00	0.00	0.04	-0.01	0.00
Desaprumo X- (D2)	-0.04	0.00	0.00	-0.04	0.01	0.00
Desaprumo Y+ (D3)	0.10	0.00	0.00	0.00	-0.08	0.00
Desaprumo Y- (D4)	-0.10	0.00	0.00	0.00	0.08	0.00
G1+G2	78.71	0.00	0.00	0.02	9.02	0.00
G1+G2+0.6V1+0.73D1	78.75	0.00	0.00	0.07	9.03	0.00
G1+G2+0.6V2+0.73D2	78.66	0.00	0.00	-0.02	9.01	0.00
G1+G2+0.6V3+0.73D3	78.95	0.00	0.00	0.01	8.77	0.00
G1+G2+0.6V4+0.73D4	78.47	0.00	0.00	0.04	9.27	0.00
G1+G2+0.7Q+0.6V1+0.73D1	92.67	0.00	0.00	0.11	12.05	0.00
G1+G2+0.7Q+0.6V2+0.73D2	92.58	0.00	0.00	0.01	12.03	0.00
G1+G2+0.7Q+0.6V3+0.73D3	92.86	0.00	0.00	0.05	11.78	0.00
G1+G2+0.7Q+0.6V4+0.73D4	92.38	0.00	0.00	0.07	12.29	0.00
G1+G2+0.7Q+V1+0.44D1	92.66	0.00	0.00	0.11	12.06	0.00
G1+G2+0.7Q+V2+0.44D2	92.58	0.00	0.00	0.01	12.02	0.00
G1+G2+0.7Q+V3+0.44D3	92.94	0.00	0.00	0.04	11.68	0.00
G1+G2+0.7Q+V4+0.44D4	92.30	0.00	0.00	0.08	12.40	0.00
G1+G2+D1	78.75	0.00	0.00	0.06	9.01	0.00
G1+G2+D2	78.66	0.00	0.00	-0.02	9.03	0.00
G1+G2+D3	78.81	0.00	0.00	0.02	8.94	0.00
G1+G2+D4	78.60	0.00	0.00	0.03	9.10	0.00
G1+G2+Q	98.59	0.00	0.00	0.08	13.33	0.00
G1+G2+Q+0.6V1+0.44D1	98.62	0.00	0.00	0.11	13.34	0.00
G1+G2+Q+0.6V2+0.44D2	98.55	0.00	0.00	0.04	13.32	0.00
G1+G2+Q+0.6V3+0.44D3	98.80	0.00	0.00	0.06	13.10	0.00
G1+G2+Q+0.6V4+0.44D4	98.38	0.00	0.00	0.09	13.56	0.00
G1+G2+Q+D1	98.63	0.00	0.00	0.12	13.33	0.00
G1+G2+Q+D2	98.54	0.00	0.00	0.04	13.34	0.00
G1+G2+Q+D3	98.69	0.00	0.00	0.07	13.25	0.00
G1+G2+Q+D4	98.48	0.00	0.00	0.08	13.41	0.00
G1+G2+V1+0.44D1	78.75	0.00	0.00	0.07	9.04	0.00
G1+G2+V2+0.44D2	78.67	0.00	0.00	-0.03	9.00	0.00
G1+G2+V3+0.44D3	79.03	0.00	0.00	0.00	8.66	0.00
G1+G2+V4+0.44D4	78.39	0.00	0.00	0.04	9.38	0.00

Fundação B3						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	49.63	0.00	0.00	-0.01	4.92	0.00
Adicional (G2)	24.47	0.00	0.00	-0.08	3.35	0.00
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Retração (R)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	18.31	0.00	0.00	0.01	3.95	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
Temperatura 1 (T1)	0.00	0.00	0.00	0.00	0.00	0.00
Temperatura 2 (T2)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	-0.02	0.00	0.00	0.03	0.02	0.00

Vento X- (V2)	0.02	0.00	0.00	-0.03	-0.02	0.00
Vento Y+ (V3)	0.37	0.00	0.00	-0.02	-0.35	0.00
Vento Y- (V4)	-0.37	0.00	0.00	0.02	0.35	0.00
Desaprumo X+ (D1)	0.01	0.00	0.00	0.04	-0.01	0.00
Desaprumo X- (D2)	-0.01	0.00	0.00	-0.04	0.01	0.00
Desaprumo Y+ (D3)	0.11	0.00	0.00	0.00	-0.07	0.00
Desaprumo Y- (D4)	-0.11	0.00	0.00	0.00	0.07	0.00
G1+G2	74.10	0.00	0.00	-0.09	8.27	0.00
G1+G2+0.6V1+0.73D1	74.09	0.00	0.00	-0.05	8.27	0.00
G1+G2+0.6V2+0.73D2	74.10	0.00	0.00	-0.14	8.26	0.00
G1+G2+0.6V3+0.73D3	74.40	0.00	0.00	-0.11	8.01	0.00
G1+G2+0.6V4+0.73D4	73.80	0.00	0.00	-0.08	8.53	0.00
G1+G2+0.7Q+0.6V1+0.73D1	86.91	0.00	0.00	-0.05	11.04	0.00
G1+G2+0.7Q+0.6V2+0.73D2	86.92	0.00	0.00	-0.13	11.03	0.00
G1+G2+0.7Q+0.6V3+0.73D3	87.21	0.00	0.00	-0.10	10.77	0.00
G1+G2+0.7Q+0.6V4+0.73D4	86.61	0.00	0.00	-0.08	11.29	0.00
G1+G2+0.7Q+V1+0.44D1	86.90	0.00	0.00	-0.04	11.04	0.00
G1+G2+0.7Q+V2+0.44D2	86.93	0.00	0.00	-0.14	11.02	0.00
G1+G2+0.7Q+V3+0.44D3	87.33	0.00	0.00	-0.11	10.65	0.00
G1+G2+0.7Q+V4+0.44D4	86.49	0.00	0.00	-0.07	11.42	0.00
G1+G2+D1	74.11	0.00	0.00	-0.06	8.26	0.00
G1+G2+D2	74.08	0.00	0.00	-0.13	8.27	0.00
G1+G2+D3	74.20	0.00	0.00	-0.10	8.20	0.00
G1+G2+D4	73.99	0.00	0.00	-0.09	8.34	0.00
G1+G2+Q	92.41	0.00	0.00	-0.09	12.22	0.00
G1+G2+Q+0.6V1+0.44D1	92.40	0.00	0.00	-0.05	12.22	0.00
G1+G2+Q+0.6V2+0.44D2	92.41	0.00	0.00	-0.12	12.21	0.00
G1+G2+Q+0.6V3+0.44D3	92.67	0.00	0.00	-0.10	11.97	0.00
G1+G2+Q+0.6V4+0.44D4	92.14	0.00	0.00	-0.08	12.46	0.00
G1+G2+Q+D1	92.42	0.00	0.00	-0.05	12.21	0.00
G1+G2+Q+D2	92.39	0.00	0.00	-0.13	12.22	0.00
G1+G2+Q+D3	92.51	0.00	0.00	-0.09	12.15	0.00
G1+G2+Q+D4	92.30	0.00	0.00	-0.09	12.29	0.00
G1+G2+V1+0.44D1	74.08	0.00	0.00	-0.05	8.28	0.00
G1+G2+V2+0.44D2	74.11	0.00	0.00	-0.14	8.26	0.00
G1+G2+V3+0.44D3	74.51	0.00	0.00	-0.11	7.88	0.00
G1+G2+V4+0.44D4	73.68	0.00	0.00	-0.07	8.65	0.00

Fundação B4						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	50.05	0.00	0.00	0.00	4.87	0.00
Adicional (G2)	24.74	0.00	0.00	-0.08	3.28	0.00
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Retração (R)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	18.57	0.00	0.00	0.01	3.90	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
Temperatura 1 (T1)	0.00	0.00	0.00	0.00	0.00	0.00
Temperatura 2 (T2)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	-0.01	0.00	0.00	0.03	0.01	0.00
Vento X- (V2)	0.01	0.00	0.00	-0.03	-0.01	0.00
Vento Y+ (V3)	0.45	0.00	0.00	-0.02	-0.38	0.00
Vento Y- (V4)	-0.45	0.00	0.00	0.02	0.38	0.00
Desaprumo X+ (D1)	0.01	0.00	0.00	0.04	-0.01	0.00
Desaprumo X- (D2)	-0.01	0.00	0.00	-0.04	0.01	0.00
Desaprumo Y+ (D3)	0.11	0.00	0.00	0.00	-0.06	0.00
Desaprumo Y- (D4)	-0.11	0.00	0.00	0.00	0.06	0.00
G1+G2	74.79	0.00	0.00	-0.08	8.15	0.00
G1+G2+0.6V1+0.73D1	74.79	0.00	0.00	-0.03	8.15	0.00
G1+G2+0.6V2+0.73D2	74.79	0.00	0.00	-0.12	8.15	0.00
G1+G2+0.6V3+0.73D3	75.14	0.00	0.00	-0.09	7.88	0.00
G1+G2+0.6V4+0.73D4	74.44	0.00	0.00	-0.06	8.42	0.00
G1+G2+0.7Q+0.6V1+0.73D1	87.79	0.00	0.00	-0.03	10.88	0.00

G1+G2+0.7Q+0.6V2+0.73D2	87.79	0.00	0.00	-0.12	10.88	0.00
G1+G2+0.7Q+0.6V3+0.73D3	88.14	0.00	0.00	-0.08	10.61	0.00
G1+G2+0.7Q+0.6V4+0.73D4	87.44	0.00	0.00	-0.06	11.15	0.00
G1+G2+0.7Q+V1+0.44D1	87.78	0.00	0.00	-0.02	10.89	0.00
G1+G2+0.7Q+V2+0.44D2	87.80	0.00	0.00	-0.12	10.87	0.00
G1+G2+0.7Q+V3+0.44D3	88.29	0.00	0.00	-0.09	10.48	0.00
G1+G2+0.7Q+V4+0.44D4	87.29	0.00	0.00	-0.05	11.29	0.00
G1+G2+D1	74.80	0.00	0.00	-0.04	8.14	0.00
G1+G2+D2	74.78	0.00	0.00	-0.12	8.16	0.00
G1+G2+D3	74.90	0.00	0.00	-0.08	8.09	0.00
G1+G2+D4	74.69	0.00	0.00	-0.08	8.21	0.00
G1+G2+Q	93.36	0.00	0.00	-0.07	12.05	0.00
G1+G2+Q+0.6V1+0.44D1	93.36	0.00	0.00	-0.03	12.06	0.00
G1+G2+Q+0.6V2+0.44D2	93.36	0.00	0.00	-0.10	12.05	0.00
G1+G2+Q+0.6V3+0.44D3	93.68	0.00	0.00	-0.08	11.80	0.00
G1+G2+Q+0.6V4+0.44D4	93.04	0.00	0.00	-0.05	12.31	0.00
G1+G2+Q+D1	93.37	0.00	0.00	-0.03	12.05	0.00
G1+G2+Q+D2	93.35	0.00	0.00	-0.10	12.06	0.00
G1+G2+Q+D3	93.47	0.00	0.00	-0.07	11.99	0.00
G1+G2+Q+D4	93.26	0.00	0.00	-0.06	12.12	0.00
G1+G2+V1+0.44D1	74.79	0.00	0.00	-0.03	8.16	0.00
G1+G2+V2+0.44D2	74.80	0.00	0.00	-0.12	8.14	0.00
G1+G2+V3+0.44D3	75.29	0.00	0.00	-0.10	7.74	0.00
G1+G2+V4+0.44D4	74.29	0.00	0.00	-0.06	8.55	0.00

Fundação B5						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	50.00	0.00	0.00	0.00	4.76	0.00
Adicional (G2)	24.74	0.00	0.00	-0.08	3.17	0.00
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Retração (R)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	18.57	0.00	0.00	0.01	3.81	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
Temperatura 1 (T1)	0.00	0.00	0.00	0.00	0.00	0.00
Temperatura 2 (T2)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	-0.01	0.00	0.00	0.03	0.01	0.00
Vento X- (V2)	0.01	0.00	0.00	-0.03	-0.01	0.00
Vento Y+ (V3)	0.53	0.00	0.00	-0.02	-0.40	0.00
Vento Y- (V4)	-0.53	0.00	0.00	0.02	0.40	0.00
Desaprumo X+ (D1)	0.01	0.00	0.00	0.04	0.00	0.00
Desaprumo X- (D2)	-0.01	0.00	0.00	-0.04	0.00	0.00
Desaprumo Y+ (D3)	0.11	0.00	0.00	0.00	-0.06	0.00
Desaprumo Y- (D4)	-0.11	0.00	0.00	0.00	0.06	0.00
G1+G2	74.74	0.00	0.00	-0.08	7.93	0.00
G1+G2+0.6V1+0.73D1	74.74	0.00	0.00	-0.04	7.93	0.00
G1+G2+0.6V2+0.73D2	74.74	0.00	0.00	-0.13	7.93	0.00
G1+G2+0.6V3+0.73D3	75.14	0.00	0.00	-0.09	7.65	0.00
G1+G2+0.6V4+0.73D4	74.34	0.00	0.00	-0.07	8.21	0.00
G1+G2+0.7Q+0.6V1+0.73D1	87.74	0.00	0.00	-0.03	10.60	0.00
G1+G2+0.7Q+0.6V2+0.73D2	87.73	0.00	0.00	-0.12	10.60	0.00
G1+G2+0.7Q+0.6V3+0.73D3	88.14	0.00	0.00	-0.09	10.32	0.00
G1+G2+0.7Q+0.6V4+0.73D4	87.34	0.00	0.00	-0.06	10.88	0.00
G1+G2+0.7Q+V1+0.44D1	87.73	0.00	0.00	-0.03	10.60	0.00
G1+G2+0.7Q+V2+0.44D2	87.74	0.00	0.00	-0.12	10.59	0.00
G1+G2+0.7Q+V3+0.44D3	88.32	0.00	0.00	-0.09	10.17	0.00
G1+G2+0.7Q+V4+0.44D4	87.15	0.00	0.00	-0.05	11.02	0.00
G1+G2+D1	74.74	0.00	0.00	-0.04	7.92	0.00
G1+G2+D2	74.73	0.00	0.00	-0.12	7.93	0.00
G1+G2+D3	74.85	0.00	0.00	-0.08	7.87	0.00
G1+G2+D4	74.63	0.00	0.00	-0.08	7.98	0.00
G1+G2+Q	93.31	0.00	0.00	-0.07	11.74	0.00
G1+G2+Q+0.6V1+0.44D1	93.30	0.00	0.00	-0.04	11.74	0.00

G1+G2+Q+0.6V2+0.44D2	93.31	0.00	0.00	-0.10	11.74	0.00
G1+G2+Q+0.6V3+0.44D3	93.67	0.00	0.00	-0.08	11.48	0.00
G1+G2+Q+0.6V4+0.44D4	92.94	0.00	0.00	-0.06	12.01	0.00
G1+G2+Q+D1	93.31	0.00	0.00	-0.03	11.74	0.00
G1+G2+Q+D2	93.30	0.00	0.00	-0.11	11.75	0.00
G1+G2+Q+D3	93.41	0.00	0.00	-0.07	11.69	0.00
G1+G2+Q+D4	93.20	0.00	0.00	-0.07	11.80	0.00
G1+G2+V1+0.44D1	74.73	0.00	0.00	-0.04	7.93	0.00
G1+G2+V2+0.44D2	74.74	0.00	0.00	-0.13	7.92	0.00
G1+G2+V3+0.44D3	75.32	0.00	0.00	-0.10	7.50	0.00
G1+G2+V4+0.44D4	74.15	0.00	0.00	-0.06	8.35	0.00

Fundação B6						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	50.03	0.00	0.00	0.00	4.66	0.00
Adicional (G2)	24.81	0.00	0.00	-0.08	3.07	0.00
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Retração (R)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	18.60	0.00	0.00	0.01	3.73	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
Temperatura 1 (T1)	0.00	0.00	0.00	0.00	0.00	0.00
Temperatura 2 (T2)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	0.00	0.00	0.00	0.03	0.00	0.00
Vento X- (V2)	0.00	0.00	0.00	-0.03	0.00	0.00
Vento Y+ (V3)	0.62	0.00	0.00	-0.02	-0.43	0.00
Vento Y- (V4)	-0.62	0.00	0.00	0.02	0.43	0.00
Desaprumo X+ (D1)	0.00	0.00	0.00	0.04	0.00	0.00
Desaprumo X- (D2)	0.00	0.00	0.00	-0.04	0.00	0.00
Desaprumo Y+ (D3)	0.11	0.00	0.00	0.00	-0.05	0.00
Desaprumo Y- (D4)	-0.11	0.00	0.00	0.00	0.05	0.00
G1+G2	74.84	0.00	0.00	-0.08	7.72	0.00
G1+G2+0.6V1+0.73D1	74.84	0.00	0.00	-0.04	7.72	0.00
G1+G2+0.6V2+0.73D2	74.84	0.00	0.00	-0.13	7.73	0.00
G1+G2+0.6V3+0.73D3	75.29	0.00	0.00	-0.09	7.43	0.00
G1+G2+0.6V4+0.73D4	74.39	0.00	0.00	-0.07	8.02	0.00
G1+G2+0.7Q+0.6V1+0.73D1	87.87	0.00	0.00	-0.03	10.33	0.00
G1+G2+0.7Q+0.6V2+0.73D2	87.86	0.00	0.00	-0.12	10.34	0.00
G1+G2+0.7Q+0.6V3+0.73D3	88.32	0.00	0.00	-0.09	10.04	0.00
G1+G2+0.7Q+0.6V4+0.73D4	87.41	0.00	0.00	-0.06	10.63	0.00
G1+G2+0.7Q+V1+0.44D1	87.86	0.00	0.00	-0.03	10.34	0.00
G1+G2+0.7Q+V2+0.44D2	87.87	0.00	0.00	-0.12	10.33	0.00
G1+G2+0.7Q+V3+0.44D3	88.53	0.00	0.00	-0.09	9.89	0.00
G1+G2+0.7Q+V4+0.44D4	87.20	0.00	0.00	-0.05	10.78	0.00
G1+G2+D1	74.84	0.00	0.00	-0.04	7.72	0.00
G1+G2+D2	74.84	0.00	0.00	-0.12	7.73	0.00
G1+G2+D3	74.95	0.00	0.00	-0.08	7.68	0.00
G1+G2+D4	74.73	0.00	0.00	-0.08	7.77	0.00
G1+G2+Q	93.45	0.00	0.00	-0.07	11.45	0.00
G1+G2+Q+0.6V1+0.44D1	93.45	0.00	0.00	-0.04	11.45	0.00
G1+G2+Q+0.6V2+0.44D2	93.45	0.00	0.00	-0.10	11.45	0.00
G1+G2+Q+0.6V3+0.44D3	93.86	0.00	0.00	-0.08	11.18	0.00
G1+G2+Q+0.6V4+0.44D4	93.03	0.00	0.00	-0.06	11.73	0.00
G1+G2+Q+D1	93.45	0.00	0.00	-0.03	11.45	0.00
G1+G2+Q+D2	93.44	0.00	0.00	-0.11	11.46	0.00
G1+G2+Q+D3	93.56	0.00	0.00	-0.07	11.41	0.00
G1+G2+Q+D4	93.34	0.00	0.00	-0.07	11.50	0.00
G1+G2+V1+0.44D1	74.84	0.00	0.00	-0.04	7.73	0.00
G1+G2+V2+0.44D2	74.84	0.00	0.00	-0.13	7.72	0.00
G1+G2+V3+0.44D3	75.51	0.00	0.00	-0.10	7.28	0.00
G1+G2+V4+0.44D4	74.18	0.00	0.00	-0.06	8.17	0.00

Fundação B7						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	50.16	0.00	0.00	0.00	4.56	0.00
Adicional (G2)	24.76	0.00	0.00	-0.07	2.94	0.00
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Retração (R)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	18.68	0.00	0.00	0.01	3.65	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
Temperatura 1 (T1)	0.00	0.00	0.00	0.00	0.00	0.00
Temperatura 2 (T2)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	0.00	0.00	0.00	0.03	0.00	0.00
Vento X- (V2)	0.00	0.00	0.00	-0.03	0.00	0.00
Vento Y+ (V3)	0.70	0.00	0.00	-0.02	-0.45	0.00
Vento Y- (V4)	-0.70	0.00	0.00	0.02	0.45	0.00
Desaprumo X+ (D1)	0.00	0.00	0.00	0.04	0.00	0.00
Desaprumo X- (D2)	0.00	0.00	0.00	-0.04	0.00	0.00
Desaprumo Y+ (D3)	0.11	0.00	0.00	0.00	-0.04	0.00
Desaprumo Y- (D4)	-0.11	0.00	0.00	0.00	0.04	0.00
G1+G2	74.92	0.00	0.00	-0.08	7.50	0.00
G1+G2+0.6V1+0.73D1	74.92	0.00	0.00	-0.03	7.50	0.00
G1+G2+0.6V2+0.73D2	74.92	0.00	0.00	-0.12	7.50	0.00
G1+G2+0.6V3+0.73D3	75.42	0.00	0.00	-0.09	7.20	0.00
G1+G2+0.6V4+0.73D4	74.42	0.00	0.00	-0.06	7.80	0.00
G1+G2+0.7Q+0.6V1+0.73D1	88.00	0.00	0.00	-0.03	10.05	0.00
G1+G2+0.7Q+0.6V2+0.73D2	88.00	0.00	0.00	-0.12	10.06	0.00
G1+G2+0.7Q+0.6V3+0.73D3	88.50	0.00	0.00	-0.08	9.75	0.00
G1+G2+0.7Q+0.6V4+0.73D4	87.50	0.00	0.00	-0.06	10.35	0.00
G1+G2+0.7Q+V1+0.44D1	88.00	0.00	0.00	-0.03	10.05	0.00
G1+G2+0.7Q+V2+0.44D2	88.00	0.00	0.00	-0.12	10.06	0.00
G1+G2+0.7Q+V3+0.44D3	88.74	0.00	0.00	-0.09	9.59	0.00
G1+G2+0.7Q+V4+0.44D4	87.25	0.00	0.00	-0.05	10.52	0.00
G1+G2+D1	74.92	0.00	0.00	-0.04	7.50	0.00
G1+G2+D2	74.92	0.00	0.00	-0.12	7.50	0.00
G1+G2+D3	75.03	0.00	0.00	-0.08	7.46	0.00
G1+G2+D4	74.81	0.00	0.00	-0.07	7.54	0.00
G1+G2+Q	93.60	0.00	0.00	-0.07	11.15	0.00
G1+G2+Q+0.6V1+0.44D1	93.60	0.00	0.00	-0.03	11.15	0.00
G1+G2+Q+0.6V2+0.44D2	93.60	0.00	0.00	-0.10	11.15	0.00
G1+G2+Q+0.6V3+0.44D3	94.07	0.00	0.00	-0.08	10.86	0.00
G1+G2+Q+0.6V4+0.44D4	93.13	0.00	0.00	-0.06	11.44	0.00
G1+G2+Q+D1	93.60	0.00	0.00	-0.03	11.14	0.00
G1+G2+Q+D2	93.60	0.00	0.00	-0.11	11.15	0.00
G1+G2+Q+D3	93.71	0.00	0.00	-0.07	11.11	0.00
G1+G2+Q+D4	93.49	0.00	0.00	-0.07	11.19	0.00
G1+G2+V1+0.44D1	74.92	0.00	0.00	-0.03	7.50	0.00
G1+G2+V2+0.44D2	74.92	0.00	0.00	-0.12	7.50	0.00
G1+G2+V3+0.44D3	75.67	0.00	0.00	-0.10	7.03	0.00
G1+G2+V4+0.44D4	74.17	0.00	0.00	-0.06	7.97	0.00

Fundação B8						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	49.82	0.00	0.00	0.01	4.40	0.00
Adicional (G2)	20.79	0.00	0.00	-0.07	2.15	0.00
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Retração (R)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	18.50	0.00	0.00	0.02	3.52	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
Temperatura 1 (T1)	0.00	0.00	0.00	0.00	0.00	0.00
Temperatura 2 (T2)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	0.01	0.00	0.00	0.03	-0.01	0.00

Vento X- (V2)	-0.01	0.00	0.00	-0.03	0.01	0.00
Vento Y+ (V3)	0.78	0.00	0.00	-0.02	-0.47	0.00
Vento Y- (V4)	-0.78	0.00	0.00	0.02	0.47	0.00
Desaprumo X+ (D1)	0.00	0.00	0.00	0.04	0.00	0.00
Desaprumo X- (D2)	0.00	0.00	0.00	-0.04	0.00	0.00
Desaprumo Y+ (D3)	0.11	0.00	0.00	0.00	-0.03	0.00
Desaprumo Y- (D4)	-0.11	0.00	0.00	0.00	0.03	0.00
G1+G2	70.61	0.00	0.00	-0.06	6.54	0.00
G1+G2+0.6V1+0.73D1	70.61	0.00	0.00	-0.02	6.54	0.00
G1+G2+0.6V2+0.73D2	70.61	0.00	0.00	-0.11	6.55	0.00
G1+G2+0.6V3+0.73D3	71.16	0.00	0.00	-0.08	6.23	0.00
G1+G2+0.6V4+0.73D4	70.06	0.00	0.00	-0.05	6.85	0.00
G1+G2+0.7Q+0.6V1+0.73D1	83.57	0.00	0.00	-0.01	9.00	0.00
G1+G2+0.7Q+0.6V2+0.73D2	83.56	0.00	0.00	-0.10	9.01	0.00
G1+G2+0.7Q+0.6V3+0.73D3	84.11	0.00	0.00	-0.07	8.70	0.00
G1+G2+0.7Q+0.6V4+0.73D4	83.01	0.00	0.00	-0.04	9.31	0.00
G1+G2+0.7Q+V1+0.44D1	83.57	0.00	0.00	-0.01	9.00	0.00
G1+G2+0.7Q+V2+0.44D2	83.55	0.00	0.00	-0.10	9.01	0.00
G1+G2+0.7Q+V3+0.44D3	84.39	0.00	0.00	-0.07	8.52	0.00
G1+G2+0.7Q+V4+0.44D4	82.73	0.00	0.00	-0.03	9.49	0.00
G1+G2+D1	70.61	0.00	0.00	-0.02	6.54	0.00
G1+G2+D2	70.61	0.00	0.00	-0.10	6.54	0.00
G1+G2+D3	70.72	0.00	0.00	-0.06	6.51	0.00
G1+G2+D4	70.50	0.00	0.00	-0.06	6.58	0.00
G1+G2+Q	89.11	0.00	0.00	-0.05	10.06	0.00
G1+G2+Q+0.6V1+0.44D1	89.12	0.00	0.00	-0.01	10.06	0.00
G1+G2+Q+0.6V2+0.44D2	89.11	0.00	0.00	-0.08	10.07	0.00
G1+G2+Q+0.6V3+0.44D3	89.63	0.00	0.00	-0.06	9.76	0.00
G1+G2+Q+0.6V4+0.44D4	88.60	0.00	0.00	-0.03	10.36	0.00
G1+G2+Q+D1	89.11	0.00	0.00	-0.01	10.06	0.00
G1+G2+Q+D2	89.12	0.00	0.00	-0.08	10.06	0.00
G1+G2+Q+D3	89.23	0.00	0.00	-0.05	10.03	0.00
G1+G2+Q+D4	89.00	0.00	0.00	-0.04	10.10	0.00
G1+G2+V1+0.44D1	70.62	0.00	0.00	-0.02	6.54	0.00
G1+G2+V2+0.44D2	70.60	0.00	0.00	-0.11	6.55	0.00
G1+G2+V3+0.44D3	71.44	0.00	0.00	-0.08	6.06	0.00
G1+G2+V4+0.44D4	69.78	0.00	0.00	-0.04	7.03	0.00

Fundação B9						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	52.82	0.00	0.00	-0.07	4.61	0.00
Adicional (G2)	22.25	0.00	0.00	-0.12	2.25	0.00
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Retração (R)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	20.09	0.00	0.00	-0.03	3.72	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
Temperatura 1 (T1)	0.00	0.00	0.00	0.00	0.00	0.00
Temperatura 2 (T2)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	-0.03	0.00	0.00	0.03	-0.01	0.00
Vento X- (V2)	0.03	0.00	0.00	-0.03	0.01	0.00
Vento Y+ (V3)	0.88	0.00	0.00	-0.02	-0.50	0.00
Vento Y- (V4)	-0.88	0.00	0.00	0.02	0.50	0.00
Desaprumo X+ (D1)	-0.04	0.00	0.00	0.04	0.00	0.00
Desaprumo X- (D2)	0.04	0.00	0.00	-0.04	0.00	0.00
Desaprumo Y+ (D3)	0.12	0.00	0.00	0.00	-0.03	0.00
Desaprumo Y- (D4)	-0.12	0.00	0.00	0.00	0.03	0.00
G1+G2	75.06	0.00	0.00	-0.18	6.86	0.00
G1+G2+0.6V1+0.73D1	75.02	0.00	0.00	-0.14	6.85	0.00
G1+G2+0.6V2+0.73D2	75.11	0.00	0.00	-0.23	6.87	0.00
G1+G2+0.6V3+0.73D3	75.67	0.00	0.00	-0.20	6.54	0.00
G1+G2+0.6V4+0.73D4	74.45	0.00	0.00	-0.17	7.17	0.00
G1+G2+0.7Q+0.6V1+0.73D1	89.08	0.00	0.00	-0.16	9.46	0.00

G1+G2+0.7Q+0.6V2+0.73D2	89.17	0.00	0.00	-0.25	9.47	0.00
G1+G2+0.7Q+0.6V3+0.73D3	89.73	0.00	0.00	-0.22	9.15	0.00
G1+G2+0.7Q+0.6V4+0.73D4	88.51	0.00	0.00	-0.19	9.78	0.00
G1+G2+0.7Q+V1+0.44D1	89.08	0.00	0.00	-0.16	9.45	0.00
G1+G2+0.7Q+V2+0.44D2	89.17	0.00	0.00	-0.25	9.48	0.00
G1+G2+0.7Q+V3+0.44D3	90.05	0.00	0.00	-0.23	8.96	0.00
G1+G2+0.7Q+V4+0.44D4	88.20	0.00	0.00	-0.18	9.97	0.00
G1+G2+D1	75.03	0.00	0.00	-0.14	6.86	0.00
G1+G2+D2	75.10	0.00	0.00	-0.22	6.86	0.00
G1+G2+D3	75.18	0.00	0.00	-0.19	6.83	0.00
G1+G2+D4	74.95	0.00	0.00	-0.18	6.88	0.00
G1+G2+Q	95.15	0.00	0.00	-0.22	10.58	0.00
G1+G2+Q+0.6V1+0.44D1	95.12	0.00	0.00	-0.18	10.58	0.00
G1+G2+Q+0.6V2+0.44D2	95.18	0.00	0.00	-0.25	10.59	0.00
G1+G2+Q+0.6V3+0.44D3	95.73	0.00	0.00	-0.23	10.27	0.00
G1+G2+Q+0.6V4+0.44D4	94.57	0.00	0.00	-0.20	10.89	0.00
G1+G2+Q+D1	95.12	0.00	0.00	-0.18	10.58	0.00
G1+G2+Q+D2	95.19	0.00	0.00	-0.25	10.58	0.00
G1+G2+Q+D3	95.27	0.00	0.00	-0.22	10.56	0.00
G1+G2+Q+D4	95.04	0.00	0.00	-0.21	10.61	0.00
G1+G2+V1+0.44D1	75.02	0.00	0.00	-0.13	6.85	0.00
G1+G2+V2+0.44D2	75.11	0.00	0.00	-0.23	6.87	0.00
G1+G2+V3+0.44D3	75.99	0.00	0.00	-0.20	6.35	0.00
G1+G2+V4+0.44D4	74.14	0.00	0.00	-0.16	7.37	0.00

Fundação B10						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	30.15	0.00	0.00	0.55	2.40	0.00
Adicional (G2)	10.02	0.00	0.00	0.18	0.69	0.00
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Retração (R)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	8.54	0.00	0.00	0.35	1.54	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
Temperatura 1 (T1)	0.00	0.00	0.00	0.00	0.00	0.00
Temperatura 2 (T2)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	0.28	0.00	0.00	-0.01	-0.01	0.00
Vento X- (V2)	-0.28	0.00	0.00	0.01	0.01	0.00
Vento Y+ (V3)	0.87	0.00	0.00	-0.01	-0.57	0.00
Vento Y- (V4)	-0.87	0.00	0.00	0.01	0.57	0.00
Desaprumo X+ (D1)	0.15	0.00	0.00	0.01	0.00	0.00
Desaprumo X- (D2)	-0.15	0.00	0.00	-0.01	0.00	0.00
Desaprumo Y+ (D3)	0.12	0.00	0.00	0.00	-0.03	0.00
Desaprumo Y- (D4)	-0.12	0.00	0.00	0.00	0.03	0.00
G1+G2	40.17	0.00	0.00	0.73	3.09	0.00
G1+G2+0.6V1+0.73D1	40.45	0.00	0.00	0.73	3.09	0.00
G1+G2+0.6V2+0.73D2	39.89	0.00	0.00	0.73	3.09	0.00
G1+G2+0.6V3+0.73D3	40.78	0.00	0.00	0.72	2.73	0.00
G1+G2+0.6V4+0.73D4	39.56	0.00	0.00	0.74	3.45	0.00
G1+G2+0.7Q+0.6V1+0.73D1	46.43	0.00	0.00	0.98	4.17	0.00
G1+G2+0.7Q+0.6V2+0.73D2	45.87	0.00	0.00	0.98	4.17	0.00
G1+G2+0.7Q+0.6V3+0.73D3	46.75	0.00	0.00	0.97	3.81	0.00
G1+G2+0.7Q+0.6V4+0.73D4	45.54	0.00	0.00	0.98	4.54	0.00
G1+G2+0.7Q+V1+0.44D1	46.50	0.00	0.00	0.97	4.17	0.00
G1+G2+0.7Q+V2+0.44D2	45.80	0.00	0.00	0.98	4.18	0.00
G1+G2+0.7Q+V3+0.44D3	47.07	0.00	0.00	0.97	3.59	0.00
G1+G2+0.7Q+V4+0.44D4	45.22	0.00	0.00	0.99	4.76	0.00
G1+G2+D1	40.32	0.00	0.00	0.74	3.10	0.00
G1+G2+D2	40.02	0.00	0.00	0.72	3.09	0.00
G1+G2+D3	40.29	0.00	0.00	0.73	3.07	0.00
G1+G2+D4	40.06	0.00	0.00	0.73	3.12	0.00
G1+G2+Q	48.71	0.00	0.00	1.08	4.64	0.00
G1+G2+Q+0.6V1+0.44D1	48.95	0.00	0.00	1.08	4.63	0.00

G1+G2+Q+0.6V2+0.44D2	48.47	0.00	0.00	1.08	4.64	0.00
G1+G2+Q+0.6V3+0.44D3	49.28	0.00	0.00	1.08	4.28	0.00
G1+G2+Q+0.6V4+0.44D4	48.13	0.00	0.00	1.09	4.99	0.00
G1+G2+Q+D1	48.86	0.00	0.00	1.09	4.64	0.00
G1+G2+Q+D2	48.56	0.00	0.00	1.07	4.63	0.00
G1+G2+Q+D3	48.82	0.00	0.00	1.08	4.61	0.00
G1+G2+Q+D4	48.59	0.00	0.00	1.08	4.66	0.00
G1+G2+V1+0.44D1	40.52	0.00	0.00	0.72	3.08	0.00
G1+G2+V2+0.44D2	39.82	0.00	0.00	0.74	3.10	0.00
G1+G2+V3+0.44D3	41.09	0.00	0.00	0.72	2.51	0.00
G1+G2+V4+0.44D4	39.25	0.00	0.00	0.74	3.68	0.00

Fundação B11						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	27.05	1925.31	-595.87	-1.11	-2.82	-1.20
Adicional (G2)	20.50	1260.68	-714.44	-1.18	-1.87	-0.74
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Retração (R)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	11.37	1381.46	-487.64	-0.92	-1.91	-1.10
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
Temperatura 1 (T1)	0.00	0.00	0.00	0.00	0.00	0.00
Temperatura 2 (T2)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	-0.33	16.84	281.37	0.24	-0.02	-0.07
Vento X- (V2)	0.33	-16.84	-281.37	-0.24	0.02	0.07
Vento Y+ (V3)	0.99	-487.32	-25.71	-0.02	0.52	-3.31
Vento Y- (V4)	-0.99	487.32	25.71	0.02	-0.52	3.31
Desaprumo X+ (D1)	-0.04	-64.45	220.96	0.20	0.07	0.25
Desaprumo X- (D2)	0.04	64.45	-220.96	-0.20	-0.07	-0.25
Desaprumo Y+ (D3)	0.45	-218.86	-1.87	0.00	0.23	-0.21
Desaprumo Y- (D4)	-0.45	218.86	1.87	0.00	-0.23	0.21
G1+G2	47.55	3185.98	-1310.31	-2.29	-4.68	-1.94
G1+G2+0.6V1+0.73D1	47.33	3149.05	-980.24	-2.00	-4.64	-1.79
G1+G2+0.6V2+0.73D2	47.77	3222.91	-1640.37	-2.58	-4.72	-2.08
G1+G2+0.6V3+0.73D3	48.47	2733.88	-1327.10	-2.31	-4.20	-4.07
G1+G2+0.6V4+0.73D4	46.63	3638.09	-1293.52	-2.27	-5.16	0.20
G1+G2+0.7Q+0.6V1+0.73D1	55.29	4116.07	-1321.59	-2.64	-5.97	-2.56
G1+G2+0.7Q+0.6V2+0.73D2	55.73	4189.93	-1981.72	-3.22	-6.06	-2.85
G1+G2+0.7Q+0.6V3+0.73D3	56.43	3700.90	-1668.44	-2.95	-5.53	-4.84
G1+G2+0.7Q+0.6V4+0.73D4	54.59	4605.11	-1634.86	-2.91	-6.50	-0.57
G1+G2+0.7Q+V1+0.44D1	55.17	4141.62	-1273.54	-2.60	-6.00	-2.66
G1+G2+0.7Q+V2+0.44D2	55.85	4164.38	-2029.77	-3.26	-6.03	-2.75
G1+G2+0.7Q+V3+0.44D3	56.69	3569.85	-1678.18	-2.96	-5.39	-6.11
G1+G2+0.7Q+V4+0.44D4	54.32	4736.15	-1625.12	-2.91	-6.64	0.70
G1+G2+D1	47.51	3121.53	-1089.35	-2.09	-4.61	-1.68
G1+G2+D2	47.59	3250.43	-1531.26	-2.49	-4.75	-2.19
G1+G2+D3	48.00	2967.12	-1312.18	-2.29	-4.45	-2.14
G1+G2+D4	47.10	3404.84	-1308.44	-2.29	-4.92	-1.73
G1+G2+Q	58.92	4567.44	-1797.94	-3.21	-6.59	-3.04
G1+G2+Q+0.6V1+0.44D1	58.71	4549.32	-1532.38	-2.97	-6.57	-2.97
G1+G2+Q+0.6V2+0.44D2	59.13	4585.55	-2063.51	-3.44	-6.61	-3.11
G1+G2+Q+0.6V3+0.44D3	59.71	4179.22	-1814.19	-3.22	-6.17	-5.11
G1+G2+Q+0.6V4+0.44D4	58.13	4955.66	-1781.70	-3.19	-7.00	-0.96
G1+G2+Q+D1	58.88	4502.99	-1576.99	-3.01	-6.52	-2.78
G1+G2+Q+D2	58.95	4631.89	-2018.90	-3.41	-6.66	-3.29
G1+G2+Q+D3	59.37	4348.58	-1799.82	-3.21	-6.35	-3.24
G1+G2+Q+D4	58.47	4786.30	-1796.07	-3.20	-6.82	-2.83
G1+G2+V1+0.44D1	47.21	3174.60	-932.19	-1.96	-4.67	-1.89
G1+G2+V2+0.44D2	47.89	3197.36	-1688.42	-2.62	-4.69	-1.98
G1+G2+V3+0.44D3	48.74	2602.83	-1336.84	-2.32	-4.06	-5.34
G1+G2+V4+0.44D4	46.36	3769.13	-1283.78	-2.26	-5.30	1.47

Fundação B12						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	46.75	2882.43	80.72	0.15	-4.63	-1.20
Adicional (G2)	29.36	1880.94	-143.56	-0.13	-3.04	-0.75
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Retração (R)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	24.92	2388.57	90.06	0.15	-3.81	-1.11
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
Temperatura 1 (T1)	0.00	0.00	0.00	0.00	0.00	0.00
Temperatura 2 (T2)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	-0.03	12.86	330.33	0.33	-0.01	-0.07
Vento X- (V2)	0.03	-12.86	-330.33	-0.33	0.01	0.07
Vento Y+ (V3)	1.31	-642.83	-29.25	-0.03	0.68	-3.31
Vento Y- (V4)	-1.31	642.83	29.25	0.03	-0.68	3.31
Desaprumo X+ (D1)	0.11	-53.06	255.64	0.26	0.06	0.25
Desaprumo X- (D2)	-0.11	53.06	-255.64	-0.26	-0.06	-0.25
Desaprumo Y+ (D3)	0.46	-229.49	-2.07	0.00	0.25	-0.21
Desaprumo Y- (D4)	-0.46	229.49	2.07	0.00	-0.25	0.21
G1+G2	76.12	4763.37	-62.84	0.02	-7.67	-1.95
G1+G2+0.6V1+0.73D1	76.18	4732.36	321.91	0.41	-7.64	-1.80
G1+G2+0.6V2+0.73D2	76.05	4794.37	-447.59	-0.37	-7.71	-2.09
G1+G2+0.6V3+0.73D3	77.24	4210.20	-81.90	0.00	-7.08	-4.09
G1+G2+0.6V4+0.73D4	74.99	5316.53	-43.78	0.04	-8.26	0.19
G1+G2+0.7Q+0.6V1+0.73D1	93.62	6404.36	384.96	0.51	-10.30	-2.58
G1+G2+0.7Q+0.6V2+0.73D2	93.50	6466.37	-384.55	-0.26	-10.37	-2.87
G1+G2+0.7Q+0.6V3+0.73D3	94.68	5882.20	-18.86	0.11	-9.75	-4.86
G1+G2+0.7Q+0.6V4+0.73D4	92.44	6988.53	19.27	0.15	-10.93	-0.58
G1+G2+0.7Q+V1+0.44D1	93.58	6424.99	442.47	0.57	-10.32	-2.68
G1+G2+0.7Q+V2+0.44D2	93.55	6445.74	-442.06	-0.31	-10.35	-2.76
G1+G2+0.7Q+V3+0.44D3	95.07	5692.05	-29.96	0.10	-9.55	-6.12
G1+G2+0.7Q+V4+0.44D4	92.05	7178.68	30.36	0.16	-11.13	0.68
G1+G2+D1	76.23	4710.31	192.80	0.28	-7.61	-1.69
G1+G2+D2	76.00	4816.42	-318.48	-0.24	-7.73	-2.20
G1+G2+D3	76.57	4533.88	-64.91	0.02	-7.43	-2.15
G1+G2+D4	75.66	4992.85	-60.77	0.02	-7.92	-1.74
G1+G2+Q	101.04	7151.94	27.22	0.17	-11.48	-3.05
G1+G2+Q+0.6V1+0.44D1	101.07	7136.42	337.35	0.49	-11.46	-2.98
G1+G2+Q+0.6V2+0.44D2	101.01	7167.45	-282.91	-0.14	-11.50	-3.12
G1+G2+Q+0.6V3+0.44D3	102.03	6665.76	8.77	0.16	-10.96	-5.13
G1+G2+Q+0.6V4+0.44D4	100.05	7638.12	45.68	0.19	-12.00	-0.98
G1+G2+Q+D1	101.15	7098.88	282.86	0.43	-11.42	-2.80
G1+G2+Q+D2	100.92	7204.99	-228.41	-0.09	-11.54	-3.31
G1+G2+Q+D3	101.50	6922.45	25.16	0.17	-11.23	-3.26
G1+G2+Q+D4	100.58	7381.42	29.29	0.18	-11.72	-2.85
G1+G2+V1+0.44D1	76.13	4752.99	379.42	0.46	-7.66	-1.91
G1+G2+V2+0.44D2	76.10	4773.74	-505.10	-0.42	-7.69	-1.99
G1+G2+V3+0.44D3	77.63	4020.05	-93.00	-0.01	-6.88	-5.35
G1+G2+V4+0.44D4	74.60	5506.68	-32.68	0.05	-8.46	1.46

Fundação B13						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	43.95	2688.73	-8.40	-0.02	-4.32	-1.20
Adicional (G2)	25.50	1755.38	-58.59	0.03	-2.84	-0.75
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Retração (R)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	23.11	2197.07	8.98	0.00	-3.49	-1.11
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
Temperatura 1 (T1)	0.00	0.00	0.00	0.00	0.00	0.00
Temperatura 2 (T2)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	-0.07	10.22	326.12	0.32	-0.01	-0.07

Vento X- (V2)	0.07	-10.22	-326.12	-0.32	0.01	0.07
Vento Y+ (V3)	1.65	-798.20	-28.93	-0.03	0.85	-3.31
Vento Y- (V4)	-1.65	798.20	28.93	0.03	-0.85	3.31
Desaprumo X+ (D1)	0.06	-40.74	252.51	0.26	0.04	0.25
Desaprumo X- (D2)	-0.06	40.74	-252.51	-0.26	-0.04	-0.25
Desaprumo Y+ (D3)	0.47	-240.07	-2.04	0.00	0.26	-0.21
Desaprumo Y- (D4)	-0.47	240.07	2.04	0.00	-0.26	0.21
G1+G2	69.45	4444.10	-66.98	0.01	-7.15	-1.95
G1+G2+0.6V1+0.73D1	69.46	4420.50	312.96	0.39	-7.13	-1.81
G1+G2+0.6V2+0.73D2	69.44	4467.70	-446.93	-0.37	-7.18	-2.09
G1+G2+0.6V3+0.73D3	70.78	3789.99	-85.83	-0.01	-6.45	-4.09
G1+G2+0.6V4+0.73D4	68.12	5098.21	-48.14	0.03	-7.85	0.19
G1+G2+0.7Q+0.6V1+0.73D1	85.63	5958.45	319.25	0.39	-9.57	-2.58
G1+G2+0.7Q+0.6V2+0.73D2	85.62	6005.65	-440.64	-0.36	-9.63	-2.87
G1+G2+0.7Q+0.6V3+0.73D3	86.96	5327.94	-79.55	0.00	-8.90	-4.86
G1+G2+0.7Q+0.6V4+0.73D4	84.30	6636.16	-41.85	0.04	-10.30	-0.59
G1+G2+0.7Q+V1+0.44D1	85.59	5974.43	375.99	0.45	-9.59	-2.68
G1+G2+0.7Q+V2+0.44D2	85.67	5989.67	-497.38	-0.42	-9.61	-2.77
G1+G2+0.7Q+V3+0.44D3	87.48	5078.73	-90.52	-0.02	-8.63	-6.13
G1+G2+0.7Q+V4+0.44D4	83.77	6885.36	-30.88	0.05	-10.56	0.68
G1+G2+D1	69.51	4403.36	185.53	0.27	-7.11	-1.70
G1+G2+D2	69.38	4484.85	-319.50	-0.24	-7.20	-2.20
G1+G2+D3	69.91	4204.03	-69.03	0.01	-6.89	-2.16
G1+G2+D4	68.98	4684.17	-64.94	0.02	-7.41	-1.74
G1+G2+Q	92.56	6641.17	-58.00	0.02	-10.65	-3.06
G1+G2+Q+0.6V1+0.44D1	92.55	6629.46	248.23	0.32	-10.63	-2.99
G1+G2+Q+0.6V2+0.44D2	92.57	6652.88	-364.24	-0.29	-10.66	-3.13
G1+G2+Q+0.6V3+0.44D3	93.76	6057.13	-76.26	0.00	-10.02	-5.13
G1+G2+Q+0.6V4+0.44D4	91.37	7225.20	-39.75	0.04	-11.27	-0.98
G1+G2+Q+D1	92.63	6600.42	194.51	0.27	-10.60	-2.80
G1+G2+Q+D2	92.50	6681.91	-310.52	-0.24	-10.69	-3.31
G1+G2+Q+D3	93.03	6401.10	-60.05	0.01	-10.39	-3.26
G1+G2+Q+D4	92.10	6881.24	-55.96	0.02	-10.90	-2.85
G1+G2+V1+0.44D1	69.41	4436.48	369.70	0.45	-7.14	-1.91
G1+G2+V2+0.44D2	69.49	4451.72	-503.67	-0.42	-7.16	-1.99
G1+G2+V3+0.44D3	71.30	3540.79	-96.81	-0.02	-6.19	-5.35
G1+G2+V4+0.44D4	67.59	5347.42	-37.16	0.04	-8.12	1.45

Fundação B14						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	44.64	2659.77	2.97	0.00	-4.31	-1.20
Adicional (G2)	24.13	1747.99	-213.01	-0.25	-2.85	-0.75
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Retração (R)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	23.58	2170.94	18.69	0.02	-3.49	-1.10
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
Temperatura 1 (T1)	0.00	0.00	0.00	0.00	0.00	0.00
Temperatura 2 (T2)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	-0.04	7.39	326.45	0.32	-0.01	-0.07
Vento X- (V2)	0.04	-7.39	-326.45	-0.32	0.01	0.07
Vento Y+ (V3)	1.99	-953.57	-28.96	-0.03	1.02	-3.31
Vento Y- (V4)	-1.99	953.57	28.96	0.03	-1.02	3.31
Desaprumo X+ (D1)	0.05	-28.58	252.78	0.26	0.03	0.25
Desaprumo X- (D2)	-0.05	28.58	-252.78	-0.26	-0.03	-0.25
Desaprumo Y+ (D3)	0.47	-250.62	-2.05	0.00	0.27	-0.21
Desaprumo Y- (D4)	-0.47	250.62	2.05	0.00	-0.27	0.21
G1+G2	68.77	4407.76	-210.04	-0.25	-7.16	-1.95
G1+G2+0.6V1+0.73D1	68.78	4391.34	170.30	0.13	-7.14	-1.81
G1+G2+0.6V2+0.73D2	68.76	4424.18	-590.37	-0.63	-7.18	-2.09
G1+G2+0.6V3+0.73D3	70.31	3652.73	-228.91	-0.27	-6.35	-4.09
G1+G2+0.6V4+0.73D4	67.23	5162.80	-191.17	-0.23	-7.96	0.19
G1+G2+0.7Q+0.6V1+0.73D1	85.29	5911.00	183.38	0.14	-9.58	-2.58

G1+G2+0.7Q+0.6V2+0.73D2	85.27	5943.84	-577.29	-0.62	-9.62	-2.87
G1+G2+0.7Q+0.6V3+0.73D3	86.82	5172.39	-215.82	-0.26	-8.79	-4.86
G1+G2+0.7Q+0.6V4+0.73D4	83.74	6682.45	-178.09	-0.22	-10.41	-0.59
G1+G2+0.7Q+V1+0.44D1	85.26	5922.30	240.17	0.20	-9.59	-2.68
G1+G2+0.7Q+V2+0.44D2	85.30	5932.54	-634.08	-0.67	-9.60	-2.76
G1+G2+0.7Q+V3+0.44D3	87.48	4864.12	-226.81	-0.27	-8.46	-6.13
G1+G2+0.7Q+V4+0.44D4	83.08	6990.72	-167.10	-0.21	-10.73	0.68
G1+G2+D1	68.82	4379.18	42.74	0.00	-7.13	-1.70
G1+G2+D2	68.72	4436.34	-462.82	-0.51	-7.19	-2.20
G1+G2+D3	69.24	4157.14	-212.09	-0.25	-6.89	-2.16
G1+G2+D4	68.30	4658.38	-207.99	-0.25	-7.43	-1.74
G1+G2+Q	92.35	6578.70	-191.35	-0.23	-10.64	-3.05
G1+G2+Q+0.6V1+0.44D1	92.35	6570.62	115.20	0.07	-10.63	-2.99
G1+G2+Q+0.6V2+0.44D2	92.36	6586.78	-497.90	-0.54	-10.65	-3.12
G1+G2+Q+0.6V3+0.44D3	93.75	5896.83	-209.62	-0.25	-9.91	-5.13
G1+G2+Q+0.6V4+0.44D4	90.95	7260.58	-173.08	-0.21	-11.37	-0.98
G1+G2+Q+D1	92.40	6550.12	61.43	0.03	-10.61	-2.80
G1+G2+Q+D2	92.30	6607.28	-444.13	-0.49	-10.67	-3.31
G1+G2+Q+D3	92.83	6328.08	-193.39	-0.23	-10.37	-3.26
G1+G2+Q+D4	91.88	6829.33	-189.30	-0.23	-10.91	-2.85
G1+G2+V1+0.44D1	68.75	4402.64	227.09	0.18	-7.15	-1.91
G1+G2+V2+0.44D2	68.79	4412.88	-647.17	-0.69	-7.16	-1.99
G1+G2+V3+0.44D3	70.97	3344.46	-239.89	-0.28	-6.02	-5.35
G1+G2+V4+0.44D4	66.57	5471.06	-180.19	-0.22	-8.29	1.45

Fundação B15						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	44.74	2606.65	1.36	0.00	-4.25	-1.20
Adicional (G2)	25.01	1728.20	-201.06	-0.23	-2.84	-0.75
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Retração (R)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	23.70	2121.64	17.50	0.02	-3.44	-1.10
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
Temperatura 1 (T1)	0.00	0.00	0.00	0.00	0.00	0.00
Temperatura 2 (T2)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	-0.03	4.55	326.43	0.32	0.00	-0.07
Vento X- (V2)	0.03	-4.55	-326.43	-0.32	0.00	0.07
Vento Y+ (V3)	2.33	-1109.07	-28.96	-0.03	1.18	-3.31
Vento Y- (V4)	-2.33	1109.07	28.96	0.03	-1.18	3.31
Desaprumo X+ (D1)	0.03	-16.43	252.75	0.26	0.02	0.25
Desaprumo X- (D2)	-0.03	16.43	-252.75	-0.26	-0.02	-0.25
Desaprumo Y+ (D3)	0.48	-261.19	-2.05	0.00	0.28	-0.21
Desaprumo Y- (D4)	-0.48	261.19	2.05	0.00	-0.28	0.21
G1+G2	69.75	4334.86	-199.70	-0.23	-7.09	-1.95
G1+G2+0.6V1+0.73D1	69.75	4325.60	180.61	0.15	-7.08	-1.80
G1+G2+0.6V2+0.73D2	69.74	4344.12	-580.01	-0.61	-7.10	-2.09
G1+G2+0.6V3+0.73D3	71.49	3478.81	-218.57	-0.25	-6.18	-4.09
G1+G2+0.6V4+0.73D4	68.00	5190.91	-180.83	-0.21	-8.01	0.19
G1+G2+0.7Q+0.6V1+0.73D1	86.34	5810.75	192.85	0.16	-9.49	-2.57
G1+G2+0.7Q+0.6V2+0.73D2	86.33	5829.27	-567.76	-0.60	-9.51	-2.86
G1+G2+0.7Q+0.6V3+0.73D3	88.08	4963.96	-206.32	-0.24	-8.58	-4.86
G1+G2+0.7Q+0.6V4+0.73D4	84.59	6676.06	-168.59	-0.20	-10.41	-0.58
G1+G2+0.7Q+V1+0.44D1	86.32	5817.37	249.64	0.21	-9.49	-2.68
G1+G2+0.7Q+V2+0.44D2	86.35	5822.65	-624.55	-0.65	-9.50	-2.76
G1+G2+0.7Q+V3+0.44D3	88.87	4596.57	-217.30	-0.25	-8.19	-6.12
G1+G2+0.7Q+V4+0.44D4	83.80	7043.44	-157.60	-0.19	-10.81	0.69
G1+G2+D1	69.78	4318.42	53.05	0.02	-7.08	-1.69
G1+G2+D2	69.72	4351.29	-452.45	-0.49	-7.11	-2.20
G1+G2+D3	70.23	4073.67	-201.75	-0.24	-6.81	-2.15
G1+G2+D4	69.26	4596.05	-197.65	-0.23	-7.38	-1.74
G1+G2+Q	93.45	6456.50	-182.20	-0.21	-10.53	-3.05
G1+G2+Q+0.6V1+0.44D1	93.44	6452.04	124.32	0.09	-10.52	-2.98

G1+G2+Q+0.6V2+0.44D2	93.45	6460.96	-488.73	-0.52	-10.53	-3.12
G1+G2+Q+0.6V3+0.44D3	95.05	5676.69	-200.47	-0.23	-9.69	-5.13
G1+G2+Q+0.6V4+0.44D4	91.84	7236.31	-163.93	-0.19	-11.36	-0.97
G1+G2+Q+D1	93.48	6440.06	70.55	0.04	-10.51	-2.79
G1+G2+Q+D2	93.42	6472.93	-434.96	-0.47	-10.55	-3.30
G1+G2+Q+D3	93.93	6195.31	-184.25	-0.22	-10.25	-3.25
G1+G2+Q+D4	92.96	6717.69	-180.16	-0.21	-10.81	-2.84
G1+G2+V1+0.44D1	69.73	4332.22	237.40	0.20	-7.09	-1.91
G1+G2+V2+0.44D2	69.76	4337.50	-636.80	-0.67	-7.10	-1.99
G1+G2+V3+0.44D3	72.28	3111.42	-229.55	-0.26	-5.79	-5.35
G1+G2+V4+0.44D4	67.21	5558.29	-169.85	-0.20	-8.40	1.46

Fundação B16						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	44.91	2557.08	1.83	0.00	-4.20	-1.19
Adicional (G2)	25.16	1703.37	-202.06	-0.23	-2.82	-0.74
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Retração (R)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	23.86	2075.72	17.77	0.02	-3.39	-1.10
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
Temperatura 1 (T1)	0.00	0.00	0.00	0.00	0.00	0.00
Temperatura 2 (T2)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	-0.01	1.70	326.43	0.32	0.00	-0.07
Vento X- (V2)	0.01	-1.70	-326.43	-0.32	0.00	0.07
Vento Y+ (V3)	2.67	-1264.86	-28.96	-0.03	1.35	-3.32
Vento Y- (V4)	-2.67	1264.86	28.96	0.03	-1.35	3.32
Desaprumo X+ (D1)	0.01	-4.30	252.76	0.26	0.00	0.25
Desaprumo X- (D2)	-0.01	4.30	-252.76	-0.26	0.00	-0.25
Desaprumo Y+ (D3)	0.49	-271.80	-2.05	0.00	0.29	-0.21
Desaprumo Y- (D4)	-0.49	271.80	2.05	0.00	-0.29	0.21
G1+G2	70.07	4260.46	-200.23	-0.23	-7.03	-1.94
G1+G2+0.6V1+0.73D1	70.07	4258.34	180.09	0.15	-7.02	-1.80
G1+G2+0.6V2+0.73D2	70.06	4262.57	-580.54	-0.61	-7.03	-2.08
G1+G2+0.6V3+0.73D3	72.02	3303.19	-219.09	-0.25	-6.00	-4.08
G1+G2+0.6V4+0.73D4	68.11	5217.72	-181.36	-0.21	-8.05	0.20
G1+G2+0.7Q+0.6V1+0.73D1	86.77	5711.35	192.52	0.16	-9.40	-2.56
G1+G2+0.7Q+0.6V2+0.73D2	86.77	5715.57	-568.10	-0.60	-9.40	-2.85
G1+G2+0.7Q+0.6V3+0.73D3	88.73	4756.19	-206.66	-0.24	-8.37	-4.85
G1+G2+0.7Q+0.6V4+0.73D4	84.81	6670.73	-168.92	-0.20	-10.43	-0.57
G1+G2+0.7Q+V1+0.44D1	86.76	5713.28	249.32	0.21	-9.40	-2.67
G1+G2+0.7Q+V2+0.44D2	86.77	5713.64	-624.89	-0.65	-9.40	-2.75
G1+G2+0.7Q+V3+0.44D3	89.65	4329.59	-217.64	-0.25	-7.92	-6.11
G1+G2+0.7Q+V4+0.44D4	83.89	7097.33	-157.94	-0.19	-10.88	0.70
G1+G2+D1	70.08	4256.16	52.53	0.02	-7.02	-1.69
G1+G2+D2	70.05	4264.75	-452.99	-0.49	-7.03	-2.19
G1+G2+D3	70.56	3988.65	-202.27	-0.24	-6.73	-2.15
G1+G2+D4	69.58	4532.26	-198.18	-0.23	-7.32	-1.73
G1+G2+Q	93.93	6336.18	-182.46	-0.21	-10.42	-3.04
G1+G2+Q+0.6V1+0.44D1	93.93	6335.32	124.07	0.09	-10.42	-2.97
G1+G2+Q+0.6V2+0.44D2	93.93	6337.04	-488.99	-0.52	-10.42	-3.10
G1+G2+Q+0.6V3+0.44D3	95.74	5458.25	-200.73	-0.23	-9.48	-5.12
G1+G2+Q+0.6V4+0.44D4	92.11	7214.10	-164.19	-0.19	-11.36	-0.96
G1+G2+Q+D1	93.94	6331.88	70.30	0.04	-10.41	-2.78
G1+G2+Q+D2	93.92	6340.47	-435.22	-0.47	-10.42	-3.29
G1+G2+Q+D3	94.42	6064.37	-184.50	-0.22	-10.12	-3.24
G1+G2+Q+D4	93.44	6607.98	-180.41	-0.21	-10.71	-2.83
G1+G2+V1+0.44D1	70.06	4260.28	236.88	0.20	-7.03	-1.90
G1+G2+V2+0.44D2	70.07	4260.63	-637.33	-0.67	-7.03	-1.98
G1+G2+V3+0.44D3	72.95	2876.58	-230.08	-0.27	-5.55	-5.35
G1+G2+V4+0.44D4	67.19	5644.33	-170.38	-0.20	-8.51	1.47

Fundação B17						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	45.16	2511.28	0.28	0.00	-4.16	-1.19
Adicional (G2)	25.21	1665.77	-199.41	-0.23	-2.78	-0.74
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Retração (R)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	24.07	2033.32	16.69	0.02	-3.35	-1.09
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
Temperatura 1 (T1)	0.00	0.00	0.00	0.00	0.00	0.00
Temperatura 2 (T2)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	0.01	-1.15	326.40	0.32	0.00	-0.07
Vento X- (V2)	-0.01	1.15	-326.40	-0.32	0.00	0.07
Vento Y+ (V3)	3.00	-1421.07	-28.96	-0.03	1.52	-3.32
Vento Y- (V4)	-3.00	1421.07	28.96	0.03	-1.52	3.32
Desaprumo X+ (D1)	-0.01	7.85	252.74	0.26	-0.01	0.25
Desaprumo X- (D2)	0.01	-7.85	-252.74	-0.26	0.01	-0.25
Desaprumo Y+ (D3)	0.50	-282.50	-2.05	0.00	0.31	-0.21
Desaprumo Y- (D4)	-0.50	282.50	2.05	0.00	-0.31	0.21
G1+G2	70.37	4177.05	-199.14	-0.23	-6.94	-1.93
G1+G2+0.6V1+0.73D1	70.36	4182.09	181.14	0.15	-6.95	-1.78
G1+G2+0.6V2+0.73D2	70.37	4172.02	-579.42	-0.61	-6.94	-2.07
G1+G2+0.6V3+0.73D3	72.53	3118.25	-218.01	-0.25	-5.81	-4.07
G1+G2+0.6V4+0.73D4	68.20	5235.85	-180.27	-0.21	-8.08	0.22
G1+G2+0.7Q+0.6V1+0.73D1	87.21	5605.41	192.83	0.16	-9.29	-2.55
G1+G2+0.7Q+0.6V2+0.73D2	87.21	5595.35	-567.73	-0.60	-9.28	-2.83
G1+G2+0.7Q+0.6V3+0.73D3	89.38	4541.58	-206.32	-0.24	-8.15	-4.84
G1+G2+0.7Q+0.6V4+0.73D4	85.05	6659.18	-168.58	-0.20	-10.42	-0.55
G1+G2+0.7Q+V1+0.44D1	87.21	5602.66	249.61	0.21	-9.29	-2.65
G1+G2+0.7Q+V2+0.44D2	87.21	5598.10	-624.52	-0.65	-9.29	-2.73
G1+G2+0.7Q+V3+0.44D3	90.43	4055.61	-217.31	-0.25	-7.63	-6.10
G1+G2+0.7Q+V4+0.44D4	83.99	7145.15	-157.59	-0.19	-10.94	0.72
G1+G2+D1	70.36	4184.90	53.60	0.02	-6.95	-1.67
G1+G2+D2	70.37	4169.21	-451.88	-0.49	-6.93	-2.18
G1+G2+D3	70.86	3894.56	-201.18	-0.23	-6.64	-2.13
G1+G2+D4	69.87	4459.55	-197.09	-0.23	-7.25	-1.72
G1+G2+Q	94.43	6210.38	-182.44	-0.21	-10.29	-3.02
G1+G2+Q+0.6V1+0.44D1	94.43	6213.12	124.06	0.09	-10.30	-2.95
G1+G2+Q+0.6V2+0.44D2	94.43	6207.63	-488.95	-0.52	-10.29	-3.09
G1+G2+Q+0.6V3+0.44D3	96.45	5234.04	-200.72	-0.23	-9.25	-5.10
G1+G2+Q+0.6V4+0.44D4	92.41	7186.71	-164.17	-0.19	-11.34	-0.94
G1+G2+Q+D1	94.42	6218.22	70.30	0.04	-10.30	-2.77
G1+G2+Q+D2	94.44	6202.53	-435.18	-0.47	-10.29	-3.27
G1+G2+Q+D3	94.93	5927.88	-184.49	-0.22	-9.99	-3.23
G1+G2+Q+D4	93.93	6492.87	-180.40	-0.21	-10.60	-2.81
G1+G2+V1+0.44D1	70.37	4179.34	237.93	0.20	-6.94	-1.89
G1+G2+V2+0.44D2	70.36	4174.77	-636.20	-0.67	-6.94	-1.97
G1+G2+V3+0.44D3	73.59	2632.29	-229.00	-0.26	-5.29	-5.34
G1+G2+V4+0.44D4	67.14	5721.82	-169.28	-0.20	-8.60	1.48

Fundação B18						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	44.79	2441.57	11.38	0.02	-4.07	-1.18
Adicional (G2)	19.30	1290.84	-191.09	-0.21	-2.11	-0.74
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Retração (R)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	23.94	1968.52	25.40	0.03	-3.27	-1.09
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
Temperatura 1 (T1)	0.00	0.00	0.00	0.00	0.00	0.00
Temperatura 2 (T2)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	0.03	-4.02	326.55	0.32	0.00	-0.07

Vento X- (V2)	-0.03	4.02	-326.55	-0.32	0.00	0.07
Vento Y+ (V3)	3.35	-1577.62	-28.96	-0.03	1.69	-3.32
Vento Y- (V4)	-3.35	1577.62	28.96	0.03	-1.69	3.32
Desaprumo X+ (D1)	-0.02	19.99	252.85	0.26	-0.02	0.25
Desaprumo X- (D2)	0.02	-19.99	-252.85	-0.26	0.02	-0.25
Desaprumo Y+ (D3)	0.51	-293.28	-2.04	0.00	0.32	-0.21
Desaprumo Y- (D4)	-0.51	293.28	2.04	0.00	-0.32	0.21
G1+G2	64.09	3732.41	-179.71	-0.20	-6.19	-1.92
G1+G2+0.6V1+0.73D1	64.09	3744.59	200.74	0.18	-6.20	-1.77
G1+G2+0.6V2+0.73D2	64.10	3720.23	-560.17	-0.58	-6.17	-2.06
G1+G2+0.6V3+0.73D3	66.48	2571.82	-198.58	-0.22	-4.94	-4.06
G1+G2+0.6V4+0.73D4	61.71	4893.01	-160.84	-0.18	-7.43	0.23
G1+G2+0.7Q+0.6V1+0.73D1	80.85	5122.55	218.52	0.21	-8.49	-2.53
G1+G2+0.7Q+0.6V2+0.73D2	80.86	5098.20	-542.38	-0.55	-8.46	-2.82
G1+G2+0.7Q+0.6V3+0.73D3	83.24	3949.78	-180.80	-0.19	-7.23	-4.82
G1+G2+0.7Q+0.6V4+0.73D4	78.47	6270.97	-143.06	-0.15	-9.72	-0.53
G1+G2+0.7Q+V1+0.44D1	80.87	5115.11	275.33	0.26	-8.48	-2.64
G1+G2+0.7Q+V2+0.44D2	80.84	5105.64	-599.20	-0.61	-8.47	-2.72
G1+G2+0.7Q+V3+0.44D3	84.43	3404.34	-191.79	-0.20	-6.65	-6.09
G1+G2+0.7Q+V4+0.44D4	77.28	6816.41	-132.07	-0.14	-10.31	0.74
G1+G2+D1	64.07	3752.41	73.14	0.06	-6.21	-1.66
G1+G2+D2	64.12	3712.42	-432.56	-0.45	-6.16	-2.17
G1+G2+D3	64.60	3439.13	-181.76	-0.20	-5.87	-2.12
G1+G2+D4	63.59	4025.69	-177.67	-0.19	-6.51	-1.71
G1+G2+Q	88.04	5700.93	-154.31	-0.16	-9.46	-3.00
G1+G2+Q+0.6V1+0.44D1	88.04	5707.27	152.33	0.14	-9.47	-2.93
G1+G2+Q+0.6V2+0.44D2	88.03	5694.59	-460.95	-0.47	-9.45	-3.07
G1+G2+Q+0.6V3+0.44D3	90.27	4625.95	-172.58	-0.18	-8.31	-5.09
G1+G2+Q+0.6V4+0.44D4	85.80	6775.92	-136.04	-0.14	-10.61	-0.92
G1+G2+Q+D1	88.01	5720.93	98.54	0.09	-9.48	-2.75
G1+G2+Q+D2	88.06	5680.94	-407.16	-0.42	-9.44	-3.26
G1+G2+Q+D3	88.54	5407.65	-156.35	-0.16	-9.14	-3.21
G1+G2+Q+D4	87.53	5994.21	-152.26	-0.16	-9.78	-2.79
G1+G2+V1+0.44D1	64.11	3737.14	257.55	0.24	-6.19	-1.88
G1+G2+V2+0.44D2	64.08	3727.68	-616.98	-0.63	-6.18	-1.96
G1+G2+V3+0.44D3	67.67	2026.38	-209.57	-0.23	-4.36	-5.33
G1+G2+V4+0.44D4	60.52	5438.45	-149.85	-0.16	-8.02	1.50

Fundação B19						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	48.20	2541.40	-77.17	-0.15	-4.30	-1.17
Adicional (G2)	20.80	1344.99	-253.36	-0.33	-2.24	-0.71
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Retração (R)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	26.08	2068.40	-47.88	-0.10	-3.50	-1.08
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
Temperatura 1 (T1)	0.00	0.00	0.00	0.00	0.00	0.00
Temperatura 2 (T2)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	0.01	-6.91	326.38	0.32	0.01	-0.08
Vento X- (V2)	-0.01	6.91	-326.38	-0.32	-0.01	0.08
Vento Y+ (V3)	3.64	-1735.95	-28.74	-0.03	1.86	-3.31
Vento Y- (V4)	-3.64	1735.95	28.74	0.03	-1.86	3.31
Desaprumo X+ (D1)	-0.06	32.17	252.53	0.26	-0.04	0.25
Desaprumo X- (D2)	0.06	-32.17	-252.53	-0.26	0.04	-0.25
Desaprumo Y+ (D3)	0.51	-304.37	-2.03	0.00	0.33	-0.21
Desaprumo Y- (D4)	-0.51	304.37	2.03	0.00	-0.33	0.21
G1+G2	69.00	3886.39	-330.53	-0.48	-6.54	-1.88
G1+G2+0.6V1+0.73D1	68.95	3905.72	49.59	-0.10	-6.56	-1.74
G1+G2+0.6V2+0.73D2	69.04	3867.07	-710.65	-0.85	-6.52	-2.01
G1+G2+0.6V3+0.73D3	71.55	2622.70	-349.25	-0.49	-5.18	-4.01
G1+G2+0.6V4+0.73D4	66.44	5150.08	-311.81	-0.46	-7.90	0.26
G1+G2+0.7Q+0.6V1+0.73D1	87.21	5353.60	16.08	-0.17	-9.01	-2.50

G1+G2+0.7Q+0.6V2+0.73D2	87.29	5314.95	-744.16	-0.93	-8.96	-2.77
G1+G2+0.7Q+0.6V3+0.73D3	89.80	4070.58	-382.76	-0.57	-7.63	-4.77
G1+G2+0.7Q+0.6V4+0.73D4	84.70	6597.97	-345.32	-0.53	-10.34	-0.50
G1+G2+0.7Q+V1+0.44D1	87.23	5341.44	72.91	-0.11	-9.00	-2.60
G1+G2+0.7Q+V2+0.44D2	87.27	5327.11	-801.00	-0.98	-8.98	-2.67
G1+G2+0.7Q+V3+0.44D3	91.11	3465.05	-393.67	-0.58	-6.98	-6.03
G1+G2+0.7Q+V4+0.44D4	83.39	7203.50	-334.42	-0.52	-10.99	0.77
G1+G2+D1	68.93	3918.56	-77.99	-0.22	-6.57	-1.63
G1+G2+D2	69.06	3854.23	-583.06	-0.73	-6.50	-2.13
G1+G2+D3	69.50	3582.02	-332.55	-0.48	-6.21	-2.08
G1+G2+D4	68.49	4190.77	-328.50	-0.47	-6.87	-1.67
G1+G2+Q	95.08	5954.80	-378.41	-0.58	-10.03	-2.96
G1+G2+Q+0.6V1+0.44D1	95.05	5964.73	-72.00	-0.27	-10.05	-2.89
G1+G2+Q+0.6V2+0.44D2	95.10	5944.86	-684.81	-0.88	-10.02	-3.02
G1+G2+Q+0.6V3+0.44D3	97.48	4779.95	-396.54	-0.60	-8.77	-5.04
G1+G2+Q+0.6V4+0.44D4	92.67	7129.64	-360.28	-0.56	-11.30	-0.88
G1+G2+Q+D1	95.01	5986.96	-125.87	-0.32	-10.07	-2.71
G1+G2+Q+D2	95.14	5922.63	-630.94	-0.83	-10.00	-3.21
G1+G2+Q+D3	95.58	5650.42	-380.43	-0.58	-9.70	-3.17
G1+G2+Q+D4	94.57	6259.17	-376.38	-0.57	-10.37	-2.75
G1+G2+V1+0.44D1	68.98	3893.56	106.43	-0.04	-6.55	-1.84
G1+G2+V2+0.44D2	69.02	3879.22	-767.48	-0.91	-6.53	-1.91
G1+G2+V3+0.44D3	72.85	2017.17	-360.15	-0.51	-4.54	-5.28
G1+G2+V4+0.44D4	65.14	5755.62	-300.90	-0.44	-8.54	1.52

Fundação B20						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	29.45	0.00	0.00	0.60	-1.09	0.00
Adicional (G2)	11.70	0.00	0.00	0.28	-0.41	0.00
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Retração (R)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	12.83	0.00	0.00	0.50	-0.66	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
Temperatura 1 (T1)	0.00	0.00	0.00	0.00	0.00	0.00
Temperatura 2 (T2)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	0.28	0.00	0.00	0.02	0.00	0.00
Vento X- (V2)	-0.28	0.00	0.00	-0.02	0.00	0.00
Vento Y+ (V3)	3.10	0.00	0.00	0.00	0.42	0.00
Vento Y- (V4)	-3.10	0.00	0.00	0.00	-0.42	0.00
Desaprumo X+ (D1)	0.09	0.00	0.00	0.02	-0.01	0.00
Desaprumo X- (D2)	-0.09	0.00	0.00	-0.02	0.01	0.00
Desaprumo Y+ (D3)	0.40	0.00	0.00	0.00	0.08	0.00
Desaprumo Y- (D4)	-0.40	0.00	0.00	0.00	-0.08	0.00
G1+G2	41.16	0.00	0.00	0.88	-1.50	0.00
G1+G2+0.6V1+0.73D1	41.39	0.00	0.00	0.91	-1.51	0.00
G1+G2+0.6V2+0.73D2	40.92	0.00	0.00	0.85	-1.50	0.00
G1+G2+0.6V3+0.73D3	43.31	0.00	0.00	0.88	-1.20	0.00
G1+G2+0.6V4+0.73D4	39.00	0.00	0.00	0.88	-1.81	0.00
G1+G2+0.7Q+0.6V1+0.73D1	50.37	0.00	0.00	1.26	-1.97	0.00
G1+G2+0.7Q+0.6V2+0.73D2	49.90	0.00	0.00	1.21	-1.96	0.00
G1+G2+0.7Q+0.6V3+0.73D3	52.29	0.00	0.00	1.23	-1.66	0.00
G1+G2+0.7Q+0.6V4+0.73D4	47.98	0.00	0.00	1.24	-2.27	0.00
G1+G2+0.7Q+V1+0.44D1	50.45	0.00	0.00	1.26	-1.97	0.00
G1+G2+0.7Q+V2+0.44D2	49.82	0.00	0.00	1.21	-1.96	0.00
G1+G2+0.7Q+V3+0.44D3	53.41	0.00	0.00	1.23	-1.51	0.00
G1+G2+0.7Q+V4+0.44D4	46.85	0.00	0.00	1.24	-2.42	0.00
G1+G2+D1	41.25	0.00	0.00	0.90	-1.51	0.00
G1+G2+D2	41.06	0.00	0.00	0.86	-1.49	0.00
G1+G2+D3	41.56	0.00	0.00	0.88	-1.43	0.00
G1+G2+D4	40.75	0.00	0.00	0.88	-1.58	0.00
G1+G2+Q	53.98	0.00	0.00	1.38	-2.16	0.00
G1+G2+Q+0.6V1+0.44D1	54.19	0.00	0.00	1.40	-2.17	0.00

G1+G2+Q+0.6V2+0.44D2	53.77	0.00	0.00	1.36	-2.16	0.00
G1+G2+Q+0.6V3+0.44D3	56.02	0.00	0.00	1.38	-1.88	0.00
G1+G2+Q+0.6V4+0.44D4	51.94	0.00	0.00	1.39	-2.45	0.00
G1+G2+Q+D1	54.07	0.00	0.00	1.41	-2.17	0.00
G1+G2+Q+D2	53.89	0.00	0.00	1.36	-2.15	0.00
G1+G2+Q+D3	54.38	0.00	0.00	1.38	-2.09	0.00
G1+G2+Q+D4	53.58	0.00	0.00	1.38	-2.24	0.00
G1+G2+V1+0.44D1	41.47	0.00	0.00	0.91	-1.51	0.00
G1+G2+V2+0.44D2	40.84	0.00	0.00	0.85	-1.50	0.00
G1+G2+V3+0.44D3	44.44	0.00	0.00	0.88	-1.05	0.00
G1+G2+V4+0.44D4	37.88	0.00	0.00	0.88	-1.96	0.00

Fundação B21						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	11.47	1149.30	-327.85	-0.61	-0.70	-1.65
Adicional (G2)	7.26	659.47	-422.62	-0.61	-0.33	-1.02
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Retração (R)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	3.82	985.17	-205.57	-0.40	-0.60	-1.52
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
Temperatura 1 (T1)	0.00	0.00	0.00	0.00	0.00	0.00
Temperatura 2 (T2)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	-0.11	17.76	295.20	0.21	-0.01	-0.10
Vento X- (V2)	0.11	-17.76	-295.20	-0.21	0.01	0.10
Vento Y+ (V3)	-1.18	-697.00	-6.85	-0.01	0.56	-4.57
Vento Y- (V4)	1.18	697.00	6.85	0.01	-0.56	4.57
Desaprumo X+ (D1)	-0.27	-100.64	234.13	0.18	0.09	0.35
Desaprumo X- (D2)	0.27	100.64	-234.13	-0.18	-0.09	-0.35
Desaprumo Y+ (D3)	-0.55	-322.09	-0.58	0.00	0.27	-0.29
Desaprumo Y- (D4)	0.55	322.09	0.58	0.00	-0.27	0.29
G1+G2	18.72	1808.77	-750.47	-1.21	-1.03	-2.68
G1+G2+0.6V1+0.73D1	18.46	1745.98	-402.49	-0.95	-0.97	-2.48
G1+G2+0.6V2+0.73D2	18.98	1871.56	-1098.44	-1.48	-1.10	-2.87
G1+G2+0.6V3+0.73D3	17.61	1155.52	-755.00	-1.22	-0.50	-5.63
G1+G2+0.6V4+0.73D4	19.83	2462.02	-745.93	-1.21	-1.57	0.27
G1+G2+0.7Q+0.6V1+0.73D1	21.13	2435.60	-546.39	-1.23	-1.39	-3.55
G1+G2+0.7Q+0.6V2+0.73D2	21.65	2561.18	-1242.34	-1.75	-1.52	-3.94
G1+G2+0.7Q+0.6V3+0.73D3	20.28	1845.14	-898.90	-1.50	-0.91	-6.69
G1+G2+0.7Q+0.6V4+0.73D4	22.50	3151.64	-889.83	-1.49	-1.99	-0.79
G1+G2+0.7Q+V1+0.44D1	21.17	2472.08	-496.65	-1.20	-1.42	-3.69
G1+G2+0.7Q+V2+0.44D2	21.62	2524.70	-1292.08	-1.79	-1.49	-3.80
G1+G2+0.7Q+V3+0.44D3	19.97	1660.36	-901.47	-1.50	-0.77	-8.43
G1+G2+0.7Q+V4+0.44D4	22.82	3336.42	-887.26	-1.48	-2.14	0.95
G1+G2+D1	18.46	1708.12	-516.34	-1.03	-0.94	-2.33
G1+G2+D2	18.99	1909.41	-984.59	-1.40	-1.13	-3.03
G1+G2+D3	18.17	1486.68	-751.04	-1.22	-0.76	-2.96
G1+G2+D4	19.27	2130.86	-749.89	-1.21	-1.31	-2.39
G1+G2+Q	22.54	2793.94	-956.04	-1.61	-1.63	-4.20
G1+G2+Q+0.6V1+0.44D1	22.36	2760.53	-676.40	-1.40	-1.59	-4.11
G1+G2+Q+0.6V2+0.44D2	22.72	2827.35	-1235.67	-1.82	-1.67	-4.29
G1+G2+Q+0.6V3+0.44D3	21.59	2234.71	-960.40	-1.61	-1.17	-7.06
G1+G2+Q+0.6V4+0.44D4	23.49	3353.17	-951.67	-1.61	-2.09	-1.33
G1+G2+Q+D1	22.27	2693.30	-721.91	-1.43	-1.54	-3.85
G1+G2+Q+D2	22.81	2894.58	-1190.16	-1.79	-1.72	-4.55
G1+G2+Q+D3	21.99	2471.85	-956.61	-1.61	-1.36	-4.48
G1+G2+Q+D4	23.09	3116.03	-955.46	-1.61	-1.90	-3.91
G1+G2+V1+0.44D1	18.50	1782.46	-352.75	-0.92	-1.00	-2.62
G1+G2+V2+0.44D2	18.95	1835.08	-1148.18	-1.51	-1.07	-2.73
G1+G2+V3+0.44D3	17.30	970.74	-757.57	-1.22	-0.35	-7.37
G1+G2+V4+0.44D4	20.14	2646.80	-743.36	-1.21	-1.72	2.01

Fundação B22						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	15.51	1046.87	36.98	0.06	-0.60	-1.66
Adicional (G2)	11.52	545.94	-197.65	-0.20	-0.18	-1.03
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Retração (R)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	3.57	868.37	54.21	0.08	-0.46	-1.53
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
Temperatura 1 (T1)	0.00	0.00	0.00	0.00	0.00	0.00
Temperatura 2 (T2)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	0.14	16.97	338.46	0.29	-0.01	-0.10
Vento X- (V2)	-0.14	-16.97	-338.46	-0.29	0.01	0.10
Vento Y+ (V3)	-1.60	-932.19	-7.39	-0.01	0.77	-4.56
Vento Y- (V4)	1.60	932.19	7.39	0.01	-0.77	4.56
Desaprumo X+ (D1)	-0.08	-80.00	265.16	0.24	0.07	0.35
Desaprumo X- (D2)	0.08	80.00	-265.16	-0.24	-0.07	-0.35
Desaprumo Y+ (D3)	-0.56	-339.67	-0.59	0.00	0.29	-0.28
Desaprumo Y- (D4)	0.56	339.67	0.59	0.00	-0.29	0.28
G1+G2	27.03	1592.81	-160.68	-0.14	-0.77	-2.70
G1+G2+0.6V1+0.73D1	27.05	1544.61	235.90	0.21	-0.73	-2.50
G1+G2+0.6V2+0.73D2	27.00	1641.01	-557.25	-0.49	-0.82	-2.89
G1+G2+0.6V3+0.73D3	25.66	785.63	-165.54	-0.15	-0.10	-5.64
G1+G2+0.6V4+0.73D4	28.40	2400.00	-155.81	-0.14	-1.45	0.25
G1+G2+0.7Q+0.6V1+0.73D1	29.55	2152.47	273.85	0.26	-1.05	-3.57
G1+G2+0.7Q+0.6V2+0.73D2	29.50	2248.87	-519.30	-0.44	-1.14	-3.96
G1+G2+0.7Q+0.6V3+0.73D3	28.15	1393.49	-127.59	-0.09	-0.42	-6.71
G1+G2+0.7Q+0.6V4+0.73D4	30.90	3007.86	-117.86	-0.08	-1.77	-0.82
G1+G2+0.7Q+V1+0.44D1	29.63	2182.61	331.83	0.31	-1.07	-3.71
G1+G2+0.7Q+V2+0.44D2	29.42	2218.73	-577.29	-0.48	-1.12	-3.82
G1+G2+0.7Q+V3+0.44D3	27.68	1119.76	-130.37	-0.10	-0.19	-8.45
G1+G2+0.7Q+V4+0.44D4	31.37	3281.58	-115.08	-0.08	-1.99	0.92
G1+G2+D1	26.95	1512.81	104.48	0.10	-0.70	-2.35
G1+G2+D2	27.11	1672.82	-425.83	-0.38	-0.84	-3.04
G1+G2+D3	26.47	1253.15	-161.26	-0.14	-0.48	-2.98
G1+G2+D4	27.59	1932.48	-160.09	-0.14	-1.06	-2.41
G1+G2+Q	30.59	2461.18	-106.46	-0.07	-1.23	-4.22
G1+G2+Q+0.6V1+0.44D1	30.64	2436.34	212.71	0.21	-1.20	-4.13
G1+G2+Q+0.6V2+0.44D2	30.55	2486.03	-425.64	-0.35	-1.26	-4.32
G1+G2+Q+0.6V3+0.44D3	29.39	1753.15	-111.15	-0.07	-0.64	-7.09
G1+G2+Q+0.6V4+0.44D4	31.80	3169.22	-101.77	-0.06	-1.82	-1.36
G1+G2+Q+D1	30.51	2381.18	158.69	0.17	-1.16	-3.87
G1+G2+Q+D2	30.68	2541.19	-371.62	-0.31	-1.30	-4.57
G1+G2+Q+D3	30.03	2121.52	-107.05	-0.07	-0.94	-4.51
G1+G2+Q+D4	31.16	2800.85	-105.87	-0.06	-1.52	-3.94
G1+G2+V1+0.44D1	27.13	1574.76	293.88	0.25	-0.75	-2.64
G1+G2+V2+0.44D2	26.92	1610.87	-615.24	-0.54	-0.80	-2.75
G1+G2+V3+0.44D3	25.18	511.90	-168.32	-0.15	0.13	-7.38
G1+G2+V4+0.44D4	28.88	2673.72	-153.03	-0.13	-1.67	1.99

Fundação B23						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	15.05	995.69	-1.16	-0.01	-0.59	-1.66
Adicional (G2)	10.79	518.78	-231.42	-0.26	-0.18	-1.04
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Retração (R)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	3.57	820.32	21.32	0.02	-0.44	-1.53
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
Temperatura 1 (T1)	0.00	0.00	0.00	0.00	0.00	0.00
Temperatura 2 (T2)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	0.07	13.12	336.67	0.29	-0.01	-0.10

Vento X- (V2)	-0.07	-13.12	-336.67	-0.29	0.01	0.10
Vento Y+ (V3)	-2.02	-1166.95	-7.35	-0.01	0.98	-4.56
Vento Y- (V4)	2.02	1166.95	7.35	0.01	-0.98	4.56
Desaprumo X+ (D1)	-0.08	-61.60	263.66	0.24	0.06	0.35
Desaprumo X- (D2)	0.08	61.60	-263.66	-0.24	-0.06	-0.35
Desaprumo Y+ (D3)	-0.57	-357.14	-0.59	0.00	0.31	-0.28
Desaprumo Y- (D4)	0.57	357.14	0.59	0.00	-0.31	0.28
G1+G2	25.84	1514.48	-232.59	-0.27	-0.76	-2.70
G1+G2+0.6V1+0.73D1	25.83	1477.40	161.82	0.07	-0.73	-2.51
G1+G2+0.6V2+0.73D2	25.86	1551.56	-626.99	-0.62	-0.80	-2.90
G1+G2+0.6V3+0.73D3	24.21	553.68	-237.43	-0.28	0.05	-5.65
G1+G2+0.6V4+0.73D4	27.47	2475.28	-227.75	-0.27	-1.57	0.24
G1+G2+0.7Q+0.6V1+0.73D1	28.33	2051.62	176.74	0.08	-1.04	-3.58
G1+G2+0.7Q+0.6V2+0.73D2	28.36	2125.78	-612.07	-0.61	-1.11	-3.97
G1+G2+0.7Q+0.6V3+0.73D3	26.71	1127.90	-222.51	-0.27	-0.26	-6.72
G1+G2+0.7Q+0.6V4+0.73D4	29.97	3049.50	-212.83	-0.26	-1.89	-0.83
G1+G2+0.7Q+V1+0.44D1	28.38	2074.85	234.44	0.13	-1.06	-3.72
G1+G2+0.7Q+V2+0.44D2	28.31	2102.55	-669.78	-0.65	-1.09	-3.82
G1+G2+0.7Q+V3+0.44D3	26.07	765.37	-225.28	-0.27	0.04	-8.46
G1+G2+0.7Q+V4+0.44D4	30.62	3412.03	-210.06	-0.25	-2.19	0.92
G1+G2+D1	25.76	1452.88	31.07	-0.04	-0.71	-2.35
G1+G2+D2	25.93	1576.08	-496.25	-0.51	-0.82	-3.05
G1+G2+D3	25.27	1157.34	-233.18	-0.27	-0.45	-2.99
G1+G2+D4	26.42	1871.62	-232.00	-0.27	-1.07	-2.42
G1+G2+Q	29.41	2334.79	-211.27	-0.26	-1.21	-4.23
G1+G2+Q+0.6V1+0.44D1	29.42	2315.69	106.17	0.02	-1.19	-4.14
G1+G2+Q+0.6V2+0.44D2	29.41	2353.90	-528.72	-0.53	-1.23	-4.32
G1+G2+Q+0.6V3+0.44D3	27.95	1478.25	-215.94	-0.26	-0.48	-7.09
G1+G2+Q+0.6V4+0.44D4	30.88	3191.34	-206.61	-0.25	-1.93	-1.37
G1+G2+Q+D1	29.33	2273.19	52.38	-0.02	-1.15	-3.88
G1+G2+Q+D2	29.50	2396.40	-474.93	-0.49	-1.26	-4.58
G1+G2+Q+D3	28.84	1977.65	-211.86	-0.26	-0.90	-4.51
G1+G2+Q+D4	29.98	2691.94	-210.68	-0.26	-1.52	-3.95
G1+G2+V1+0.44D1	25.88	1500.63	219.52	0.12	-0.74	-2.65
G1+G2+V2+0.44D2	25.81	1528.33	-684.70	-0.66	-0.78	-2.75
G1+G2+V3+0.44D3	23.57	191.15	-240.20	-0.28	0.35	-7.39
G1+G2+V4+0.44D4	28.12	2837.81	-224.98	-0.27	-1.88	1.99

Fundação B24						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	14.84	935.58	2.89	-0.01	-0.56	-1.66
Adicional (G2)	7.97	500.08	-227.09	-0.25	-0.19	-1.04
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Retração (R)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	3.35	761.99	23.81	0.02	-0.41	-1.53
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
Temperatura 1 (T1)	0.00	0.00	0.00	0.00	0.00	0.00
Temperatura 2 (T2)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	0.06	9.51	336.66	0.29	0.00	-0.10
Vento X- (V2)	-0.06	-9.51	-336.66	-0.29	0.00	0.10
Vento Y+ (V3)	-2.44	-1401.75	-7.35	-0.01	1.19	-4.56
Vento Y- (V4)	2.44	1401.75	7.35	0.01	-1.19	4.56
Desaprumo X+ (D1)	-0.06	-43.03	263.70	0.24	0.04	0.35
Desaprumo X- (D2)	0.06	43.03	-263.70	-0.24	-0.04	-0.35
Desaprumo Y+ (D3)	-0.58	-374.58	-0.59	0.00	0.33	-0.28
Desaprumo Y- (D4)	0.58	374.58	0.59	0.00	-0.33	0.28
G1+G2	22.81	1435.65	-224.19	-0.26	-0.75	-2.70
G1+G2+0.6V1+0.73D1	22.80	1409.96	170.24	0.09	-0.73	-2.51
G1+G2+0.6V2+0.73D2	22.82	1461.35	-618.63	-0.60	-0.78	-2.89
G1+G2+0.6V3+0.73D3	20.92	321.25	-229.04	-0.26	0.20	-5.65
G1+G2+0.6V4+0.73D4	24.70	2550.05	-219.35	-0.25	-1.70	0.25
G1+G2+0.7Q+0.6V1+0.73D1	25.15	1943.35	186.91	0.10	-1.02	-3.57

G1+G2+0.7Q+0.6V2+0.73D2	25.16	1994.74	-601.96	-0.59	-1.07	-3.96
G1+G2+0.7Q+0.6V3+0.73D3	23.27	854.65	-212.37	-0.25	-0.09	-6.71
G1+G2+0.7Q+0.6V4+0.73D4	27.04	3083.45	-202.68	-0.24	-1.99	-0.82
G1+G2+0.7Q+V1+0.44D1	25.19	1959.72	244.60	0.15	-1.03	-3.72
G1+G2+0.7Q+V2+0.44D2	25.12	1978.37	-659.65	-0.64	-1.05	-3.82
G1+G2+0.7Q+V3+0.44D3	22.46	403.29	-215.14	-0.25	0.29	-8.46
G1+G2+0.7Q+V4+0.44D4	27.85	3534.80	-199.91	-0.23	-2.37	0.92
G1+G2+D1	22.75	1392.62	39.50	-0.02	-0.71	-2.35
G1+G2+D2	22.87	1478.69	-487.89	-0.50	-0.79	-3.05
G1+G2+D3	22.23	1061.08	-224.78	-0.26	-0.42	-2.98
G1+G2+D4	23.39	1810.23	-223.61	-0.26	-1.08	-2.42
G1+G2+Q	26.16	2197.64	-200.38	-0.24	-1.16	-4.23
G1+G2+Q+0.6V1+0.44D1	26.17	2184.51	117.08	0.04	-1.15	-4.13
G1+G2+Q+0.6V2+0.44D2	26.15	2210.78	-517.84	-0.51	-1.18	-4.32
G1+G2+Q+0.6V3+0.44D3	24.44	1192.58	-205.05	-0.24	-0.31	-7.09
G1+G2+Q+0.6V4+0.44D4	27.88	3202.70	-195.71	-0.23	-2.02	-1.36
G1+G2+Q+D1	26.10	2154.61	63.31	0.00	-1.13	-3.88
G1+G2+Q+D2	26.22	2240.67	-464.08	-0.47	-1.20	-4.57
G1+G2+Q+D3	25.58	1823.06	-200.97	-0.24	-0.84	-4.51
G1+G2+Q+D4	26.74	2572.22	-199.79	-0.24	-1.49	-3.94
G1+G2+V1+0.44D1	22.84	1426.33	227.93	0.13	-0.74	-2.65
G1+G2+V2+0.44D2	22.78	1444.98	-676.32	-0.65	-0.76	-2.75
G1+G2+V3+0.44D3	20.11	-130.10	-231.81	-0.27	0.58	-7.39
G1+G2+V4+0.44D4	25.50	3001.41	-216.58	-0.25	-2.08	1.99

Fundação B25						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	14.63	876.42	2.29	-0.01	-0.53	-1.66
Adicional (G2)	5.45	497.89	-229.18	-0.25	-0.24	-1.04
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Retração (R)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	3.16	705.11	23.61	0.02	-0.38	-1.52
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
Temperatura 1 (T1)	0.00	0.00	0.00	0.00	0.00	0.00
Temperatura 2 (T2)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	0.03	5.86	336.68	0.29	0.00	-0.10
Vento X- (V2)	-0.03	-5.86	-336.68	-0.29	0.00	0.10
Vento Y+ (V3)	-2.86	-1636.78	-7.35	-0.01	1.39	-4.57
Vento Y- (V4)	2.86	1636.78	7.35	0.01	-1.39	4.57
Desaprumo X+ (D1)	-0.04	-24.51	263.70	0.24	0.02	0.35
Desaprumo X- (D2)	0.04	24.51	-263.70	-0.24	-0.02	-0.35
Desaprumo Y+ (D3)	-0.59	-392.03	-0.59	0.00	0.35	-0.28
Desaprumo Y- (D4)	0.59	392.03	0.59	0.00	-0.35	0.28
G1+G2	20.08	1374.32	-226.89	-0.26	-0.77	-2.69
G1+G2+0.6V1+0.73D1	20.07	1359.94	167.55	0.08	-0.76	-2.50
G1+G2+0.6V2+0.73D2	20.09	1388.69	-621.34	-0.61	-0.79	-2.89
G1+G2+0.6V3+0.73D3	17.93	106.16	-231.73	-0.27	0.32	-5.64
G1+G2+0.6V4+0.73D4	22.23	2642.47	-222.05	-0.26	-1.86	0.25
G1+G2+0.7Q+0.6V1+0.73D1	22.28	1853.52	184.07	0.10	-1.03	-3.56
G1+G2+0.7Q+0.6V2+0.73D2	22.30	1882.27	-604.81	-0.59	-1.05	-3.95
G1+G2+0.7Q+0.6V3+0.73D3	20.14	599.74	-215.21	-0.25	0.05	-6.71
G1+G2+0.7Q+0.6V4+0.73D4	24.44	3136.05	-205.53	-0.24	-2.13	-0.81
G1+G2+0.7Q+V1+0.44D1	22.31	1863.02	241.77	0.14	-1.03	-3.71
G1+G2+0.7Q+V2+0.44D2	22.27	1872.77	-662.51	-0.64	-1.05	-3.81
G1+G2+0.7Q+V3+0.44D3	19.17	59.47	-217.98	-0.26	0.50	-8.45
G1+G2+0.7Q+V4+0.44D4	25.41	3676.33	-202.76	-0.24	-2.58	0.93
G1+G2+D1	20.04	1349.81	36.81	-0.02	-0.75	-2.35
G1+G2+D2	20.12	1398.83	-490.59	-0.50	-0.79	-3.04
G1+G2+D3	19.49	982.28	-227.48	-0.26	-0.43	-2.98
G1+G2+D4	20.67	1766.35	-226.30	-0.26	-1.12	-2.41
G1+G2+Q	23.24	2079.43	-203.29	-0.24	-1.16	-4.21
G1+G2+Q+0.6V1+0.44D1	23.24	2072.21	114.18	0.04	-1.15	-4.12

G1+G2+Q+0.6V2+0.44D2	23.23	2086.65	-520.76	-0.52	-1.16	-4.31
G1+G2+Q+0.6V3+0.44D3	21.26	925.71	-207.96	-0.25	-0.17	-7.08
G1+G2+Q+0.6V4+0.44D4	25.21	3233.15	-198.62	-0.24	-2.14	-1.35
G1+G2+Q+D1	23.20	2054.92	60.41	0.00	-1.13	-3.87
G1+G2+Q+D2	23.27	2103.94	-466.99	-0.48	-1.18	-4.56
G1+G2+Q+D3	22.65	1687.40	-203.88	-0.24	-0.81	-4.50
G1+G2+Q+D4	23.83	2471.47	-202.70	-0.24	-1.50	-3.93
G1+G2+V1+0.44D1	20.10	1369.44	225.25	0.13	-0.77	-2.64
G1+G2+V2+0.44D2	20.06	1379.20	-679.03	-0.66	-0.78	-2.75
G1+G2+V3+0.44D3	16.96	-434.11	-234.50	-0.27	0.77	-7.39
G1+G2+V4+0.44D4	23.20	3182.75	-219.28	-0.25	-2.32	2.00

Fundação B26						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	14.42	818.25	2.46	-0.01	-0.50	-1.65
Adicional (G2)	5.39	471.91	-229.24	-0.25	-0.24	-1.03
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Retração (R)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	2.96	648.98	23.62	0.02	-0.36	-1.51
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
Temperatura 1 (T1)	0.00	0.00	0.00	0.00	0.00	0.00
Temperatura 2 (T2)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	0.01	2.18	336.68	0.29	0.00	-0.10
Vento X- (V2)	-0.01	-2.18	-336.68	-0.29	0.00	0.10
Vento Y+ (V3)	-3.28	-1872.29	-7.35	-0.01	1.60	-4.57
Vento Y- (V4)	3.28	1872.29	7.35	0.01	-1.60	4.57
Desaprumo X+ (D1)	-0.01	-6.00	263.70	0.24	0.00	0.35
Desaprumo X- (D2)	0.01	6.00	-263.70	-0.24	0.00	-0.35
Desaprumo Y+ (D3)	-0.60	-409.57	-0.59	0.00	0.36	-0.28
Desaprumo Y- (D4)	0.60	409.57	0.59	0.00	-0.36	0.28
G1+G2	19.81	1290.16	-226.78	-0.26	-0.75	-2.68
G1+G2+0.6V1+0.73D1	19.80	1287.08	167.66	0.08	-0.75	-2.49
G1+G2+0.6V2+0.73D2	19.81	1293.23	-621.23	-0.61	-0.75	-2.87
G1+G2+0.6V3+0.73D3	17.40	-132.10	-231.62	-0.27	0.48	-5.63
G1+G2+0.6V4+0.73D4	22.21	2712.42	-221.94	-0.26	-1.98	0.27
G1+G2+0.7Q+0.6V1+0.73D1	21.88	1741.37	184.20	0.10	-1.00	-3.54
G1+G2+0.7Q+0.6V2+0.73D2	21.88	1747.52	-604.69	-0.59	-1.00	-3.93
G1+G2+0.7Q+0.6V3+0.73D3	19.47	322.19	-215.09	-0.25	0.23	-6.69
G1+G2+0.7Q+0.6V4+0.73D4	24.28	3166.71	-205.40	-0.24	-2.22	-0.79
G1+G2+0.7Q+V1+0.44D1	21.88	1744.00	241.89	0.15	-1.00	-3.69
G1+G2+0.7Q+V2+0.44D2	21.87	1744.90	-662.39	-0.64	-1.00	-3.79
G1+G2+0.7Q+V3+0.44D3	18.33	-307.17	-217.86	-0.26	0.76	-8.44
G1+G2+0.7Q+V4+0.44D4	25.42	3796.07	-202.64	-0.24	-2.76	0.96
G1+G2+D1	19.79	1284.15	36.92	-0.02	-0.74	-2.33
G1+G2+D2	19.82	1296.16	-490.48	-0.50	-0.75	-3.03
G1+G2+D3	19.21	880.59	-227.37	-0.26	-0.39	-2.96
G1+G2+D4	20.41	1699.73	-226.19	-0.26	-1.11	-2.39
G1+G2+Q	22.77	1939.14	-203.16	-0.24	-1.10	-4.19
G1+G2+Q+0.6V1+0.44D1	22.77	1937.82	114.31	0.04	-1.10	-4.10
G1+G2+Q+0.6V2+0.44D2	22.76	1940.46	-520.63	-0.52	-1.11	-4.28
G1+G2+Q+0.6V3+0.44D3	20.53	636.44	-207.83	-0.25	0.01	-7.06
G1+G2+Q+0.6V4+0.44D4	25.00	3241.85	-198.49	-0.24	-2.22	-1.32
G1+G2+Q+D1	22.75	1933.14	60.54	0.00	-1.10	-3.84
G1+G2+Q+D2	22.78	1945.15	-466.86	-0.48	-1.11	-4.54
G1+G2+Q+D3	22.17	1529.57	-203.75	-0.24	-0.74	-4.48
G1+G2+Q+D4	23.36	2348.71	-202.57	-0.24	-1.47	-3.91
G1+G2+V1+0.44D1	19.81	1289.71	225.36	0.13	-0.75	-2.63
G1+G2+V2+0.44D2	19.80	1290.61	-678.92	-0.66	-0.75	-2.73
G1+G2+V3+0.44D3	16.26	-761.46	-234.39	-0.27	1.01	-7.38
G1+G2+V4+0.44D4	23.35	3341.78	-219.17	-0.25	-2.51	2.02

Fundação B27						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	14.20	761.42	2.02	-0.01	-0.48	-1.64
Adicional (G2)	5.19	449.42	-229.42	-0.26	-0.25	-1.02
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Retração (R)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	2.76	593.84	23.54	0.02	-0.33	-1.50
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
Temperatura 1 (T1)	0.00	0.00	0.00	0.00	0.00	0.00
Temperatura 2 (T2)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	-0.01	-1.50	336.67	0.29	0.00	-0.10
Vento X- (V2)	0.01	1.50	-336.67	-0.29	0.00	0.10
Vento Y+ (V3)	-3.70	-2108.54	-7.34	-0.01	1.81	-4.58
Vento Y- (V4)	3.70	2108.54	7.34	0.01	-1.81	4.58
Desaprumo X+ (D1)	0.01	12.51	263.70	0.24	-0.01	0.35
Desaprumo X- (D2)	-0.01	-12.51	-263.70	-0.24	0.01	-0.35
Desaprumo Y+ (D3)	-0.61	-427.25	-0.59	0.00	0.38	-0.29
Desaprumo Y- (D4)	0.61	427.25	0.59	0.00	-0.38	0.29
G1+G2	19.40	1210.83	-227.40	-0.26	-0.73	-2.66
G1+G2+0.6V1+0.73D1	19.40	1219.06	167.03	0.08	-0.74	-2.47
G1+G2+0.6V2+0.73D2	19.40	1202.60	-621.84	-0.61	-0.73	-2.85
G1+G2+0.6V3+0.73D3	16.73	-366.07	-232.23	-0.27	0.63	-5.62
G1+G2+0.6V4+0.73D4	22.06	2787.74	-222.57	-0.26	-2.10	0.30
G1+G2+0.7Q+0.6V1+0.73D1	21.33	1634.75	183.51	0.10	-0.97	-3.52
G1+G2+0.7Q+0.6V2+0.73D2	21.33	1618.29	-605.36	-0.60	-0.96	-3.91
G1+G2+0.7Q+0.6V3+0.73D3	18.66	49.61	-215.76	-0.25	0.40	-6.67
G1+G2+0.7Q+0.6V4+0.73D4	23.99	3203.43	-206.10	-0.24	-2.33	-0.75
G1+G2+0.7Q+V1+0.44D1	21.32	1630.50	241.20	0.14	-0.97	-3.66
G1+G2+0.7Q+V2+0.44D2	21.33	1622.55	-663.05	-0.64	-0.96	-3.76
G1+G2+0.7Q+V3+0.44D3	17.36	-669.09	-218.52	-0.26	1.01	-8.42
G1+G2+0.7Q+V4+0.44D4	25.29	3922.13	-203.34	-0.24	-2.94	0.99
G1+G2+D1	19.40	1223.35	36.29	-0.03	-0.75	-2.31
G1+G2+D2	19.39	1198.32	-491.10	-0.50	-0.72	-3.01
G1+G2+D3	18.79	783.59	-227.99	-0.26	-0.35	-2.95
G1+G2+D4	20.00	1638.08	-226.81	-0.26	-1.12	-2.37
G1+G2+Q	22.15	1804.67	-203.87	-0.24	-1.06	-4.16
G1+G2+Q+0.6V1+0.44D1	22.15	1809.25	113.59	0.03	-1.07	-4.07
G1+G2+Q+0.6V2+0.44D2	22.16	1800.10	-521.33	-0.52	-1.06	-4.25
G1+G2+Q+0.6V3+0.44D3	19.67	352.48	-208.53	-0.25	0.19	-7.04
G1+G2+Q+0.6V4+0.44D4	24.64	3256.87	-199.21	-0.24	-2.32	-1.29
G1+G2+Q+D1	22.16	1817.19	59.83	0.00	-1.07	-3.81
G1+G2+Q+D2	22.15	1792.16	-467.56	-0.48	-1.05	-4.51
G1+G2+Q+D3	21.55	1377.43	-204.46	-0.24	-0.68	-4.45
G1+G2+Q+D4	22.76	2231.92	-203.28	-0.24	-1.44	-3.88
G1+G2+V1+0.44D1	19.39	1214.81	224.72	0.13	-0.74	-2.61
G1+G2+V2+0.44D2	19.40	1206.86	-679.53	-0.66	-0.73	-2.71
G1+G2+V3+0.44D3	15.43	-1084.77	-235.00	-0.27	1.24	-7.36
G1+G2+V4+0.44D4	23.36	3506.44	-219.81	-0.26	-2.71	2.05

Fundação B28						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	14.16	705.73	5.08	0.00	-0.46	-1.62
Adicional (G2)	3.50	420.56	-223.94	-0.25	-0.25	-1.01
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Retração (R)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	2.57	541.70	25.24	0.02	-0.31	-1.49
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
Temperatura 1 (T1)	0.00	0.00	0.00	0.00	0.00	0.00
Temperatura 2 (T2)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	-0.02	-5.25	336.70	0.29	0.00	-0.10

Vento X- (V2)	0.02	5.25	-336.70	-0.29	0.00	0.10
Vento Y+ (V3)	-4.18	-2345.17	-7.07	-0.01	2.02	-4.58
Vento Y- (V4)	4.18	2345.17	7.07	0.01	-2.02	4.58
Desaprumo X+ (D1)	0.04	31.01	263.69	0.24	-0.03	0.35
Desaprumo X- (D2)	-0.04	-31.01	-263.69	-0.24	0.03	-0.35
Desaprumo Y+ (D3)	-0.63	-445.06	-0.54	0.00	0.40	-0.29
Desaprumo Y- (D4)	0.63	445.06	0.54	0.00	-0.40	0.29
G1+G2	17.66	1126.29	-218.86	-0.25	-0.71	-2.63
G1+G2+0.6V1+0.73D1	17.68	1145.77	175.58	0.10	-0.73	-2.44
G1+G2+0.6V2+0.73D2	17.65	1106.80	-613.31	-0.60	-0.69	-2.82
G1+G2+0.6V3+0.73D3	14.70	-605.60	-223.49	-0.25	0.80	-5.59
G1+G2+0.6V4+0.73D4	20.63	2858.17	-214.23	-0.24	-2.21	0.33
G1+G2+0.7Q+0.6V1+0.73D1	19.47	1524.96	193.25	0.12	-0.94	-3.48
G1+G2+0.7Q+0.6V2+0.73D2	19.44	1485.99	-595.64	-0.58	-0.90	-3.87
G1+G2+0.7Q+0.6V3+0.73D3	16.49	-226.41	-205.83	-0.24	0.58	-6.63
G1+G2+0.7Q+0.6V4+0.73D4	22.43	3237.36	-196.56	-0.23	-2.42	-0.71
G1+G2+0.7Q+V1+0.44D1	19.45	1513.81	250.96	0.16	-0.93	-3.62
G1+G2+0.7Q+V2+0.44D2	19.46	1497.14	-653.35	-0.62	-0.91	-3.72
G1+G2+0.7Q+V3+0.44D3	15.00	-1034.56	-208.50	-0.24	1.27	-8.38
G1+G2+0.7Q+V4+0.44D4	23.92	4045.51	-193.89	-0.22	-3.11	1.04
G1+G2+D1	17.70	1157.30	44.83	-0.01	-0.74	-2.28
G1+G2+D2	17.63	1095.27	-482.55	-0.49	-0.68	-2.98
G1+G2+D3	17.04	681.23	-219.40	-0.25	-0.31	-2.92
G1+G2+D4	18.29	1571.35	-218.33	-0.25	-1.11	-2.34
G1+G2+Q	20.23	1667.99	-193.62	-0.22	-1.01	-4.12
G1+G2+Q+0.6V1+0.44D1	20.23	1678.42	123.85	0.05	-1.02	-4.03
G1+G2+Q+0.6V2+0.44D2	20.23	1657.55	-511.10	-0.50	-1.00	-4.21
G1+G2+Q+0.6V3+0.44D3	17.45	66.01	-198.10	-0.23	0.37	-7.00
G1+G2+Q+0.6V4+0.44D4	23.01	3269.96	-189.15	-0.22	-2.40	-1.25
G1+G2+Q+D1	20.27	1699.00	70.06	0.01	-1.04	-3.77
G1+G2+Q+D2	20.19	1636.97	-457.31	-0.46	-0.98	-4.47
G1+G2+Q+D3	19.60	1222.93	-194.16	-0.22	-0.61	-4.41
G1+G2+Q+D4	20.85	2113.04	-193.09	-0.22	-1.41	-3.83
G1+G2+V1+0.44D1	17.66	1134.62	233.29	0.15	-0.72	-2.58
G1+G2+V2+0.44D2	17.67	1117.95	-671.02	-0.64	-0.70	-2.68
G1+G2+V3+0.44D3	13.21	-1413.75	-226.16	-0.26	1.49	-7.34
G1+G2+V4+0.44D4	22.12	3666.32	-211.56	-0.24	-2.90	2.08

Fundação B29						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	13.17	656.74	-27.23	-0.06	-0.44	-1.61
Adicional (G2)	3.67	395.22	-292.31	-0.37	-0.25	-1.02
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Retração (R)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	2.27	483.62	-3.55	-0.03	-0.27	-1.48
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
Temperatura 1 (T1)	0.00	0.00	0.00	0.00	0.00	0.00
Temperatura 2 (T2)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	-0.09	-9.11	337.80	0.29	0.00	-0.10
Vento X- (V2)	0.09	9.11	-337.80	-0.29	0.00	0.10
Vento Y+ (V3)	-4.26	-2585.71	-16.02	-0.02	2.23	-4.61
Vento Y- (V4)	4.26	2585.71	16.02	0.02	-2.23	4.61
Desaprumo X+ (D1)	0.02	49.52	264.82	0.24	-0.05	0.35
Desaprumo X- (D2)	-0.02	-49.52	-264.82	-0.24	0.05	-0.35
Desaprumo Y+ (D3)	-0.59	-463.50	-1.88	0.00	0.42	-0.29
Desaprumo Y- (D4)	0.59	463.50	1.88	0.00	-0.42	0.29
G1+G2	16.84	1051.97	-319.55	-0.43	-0.70	-2.63
G1+G2+0.6V1+0.73D1	16.80	1082.64	76.39	-0.08	-0.73	-2.43
G1+G2+0.6V2+0.73D2	16.88	1021.29	-715.48	-0.78	-0.67	-2.83
G1+G2+0.6V3+0.73D3	13.85	-837.70	-330.53	-0.45	0.95	-5.61
G1+G2+0.6V4+0.73D4	19.82	2941.63	-308.56	-0.42	-2.34	0.35
G1+G2+0.7Q+0.6V1+0.73D1	18.39	1421.17	73.90	-0.10	-0.92	-3.46

G1+G2+0.7Q+0.6V2+0.73D2	18.47	1359.83	-717.96	-0.80	-0.86	-3.86
G1+G2+0.7Q+0.6V3+0.73D3	15.44	-499.16	-333.01	-0.47	0.76	-6.64
G1+G2+0.7Q+0.6V4+0.73D4	21.41	3280.17	-311.05	-0.43	-2.53	-0.69
G1+G2+0.7Q+V1+0.44D1	18.34	1403.08	131.72	-0.05	-0.90	-3.61
G1+G2+0.7Q+V2+0.44D2	18.51	1377.93	-775.78	-0.85	-0.87	-3.72
G1+G2+0.7Q+V3+0.44D3	13.91	-1398.15	-338.87	-0.48	1.53	-8.40
G1+G2+0.7Q+V4+0.44D4	22.94	4179.16	-305.19	-0.43	-3.30	1.07
G1+G2+D1	16.86	1101.49	-54.73	-0.19	-0.74	-2.28
G1+G2+D2	16.81	1002.45	-584.36	-0.67	-0.65	-2.98
G1+G2+D3	16.25	588.47	-321.43	-0.43	-0.28	-2.92
G1+G2+D4	17.43	1515.47	-317.66	-0.43	-1.12	-2.34
G1+G2+Q	19.11	1535.59	-323.09	-0.46	-0.97	-4.11
G1+G2+Q+0.6V1+0.44D1	19.06	1551.81	-4.46	-0.18	-0.98	-4.01
G1+G2+Q+0.6V2+0.44D2	19.16	1519.37	-641.73	-0.74	-0.95	-4.20
G1+G2+Q+0.6V3+0.44D3	16.30	-218.78	-333.53	-0.47	0.56	-7.00
G1+G2+Q+0.6V4+0.44D4	21.92	3289.96	-312.66	-0.44	-2.49	-1.21
G1+G2+Q+D1	19.13	1585.11	-58.28	-0.22	-1.01	-3.76
G1+G2+Q+D2	19.09	1486.07	-587.91	-0.70	-0.92	-4.46
G1+G2+Q+D3	18.52	1072.09	-324.97	-0.46	-0.55	-4.40
G1+G2+Q+D4	19.70	1999.09	-321.21	-0.46	-1.39	-3.82
G1+G2+V1+0.44D1	16.75	1064.54	134.21	-0.03	-0.71	-2.57
G1+G2+V2+0.44D2	16.92	1039.39	-773.30	-0.83	-0.68	-2.69
G1+G2+V3+0.44D3	12.32	-1736.69	-336.38	-0.46	1.72	-7.36
G1+G2+V4+0.44D4	21.35	3840.62	-302.71	-0.41	-3.11	2.11

Fundação B30						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	9.54	724.15	332.26	0.59	-0.64	-1.59
Adicional (G2)	3.55	480.72	36.41	0.23	-0.45	-0.86
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Retração (R)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	1.90	574.81	276.54	0.48	-0.51	-1.49
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
Temperatura 1 (T1)	0.00	0.00	0.00	0.00	0.00	0.00
Temperatura 2 (T2)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	0.18	-7.07	297.34	0.22	0.00	-0.13
Vento X- (V2)	-0.18	7.07	-297.34	-0.22	0.00	0.13
Vento Y+ (V3)	0.38	-3208.71	3.66	0.01	3.15	-4.49
Vento Y- (V4)	-0.38	3208.71	-3.66	-0.01	-3.15	4.49
Desaprumo X+ (D1)	0.10	82.12	235.69	0.19	-0.09	0.33
Desaprumo X- (D2)	-0.10	-82.12	-235.69	-0.19	0.09	-0.33
Desaprumo Y+ (D3)	0.05	-539.69	1.11	0.00	0.55	-0.28
Desaprumo Y- (D4)	-0.05	539.69	-1.11	0.00	-0.55	0.28
G1+G2	13.09	1204.87	368.67	0.82	-1.09	-2.45
G1+G2+0.6V1+0.73D1	13.27	1260.55	719.07	1.09	-1.16	-2.28
G1+G2+0.6V2+0.73D2	12.92	1149.19	18.27	0.55	-1.03	-2.61
G1+G2+0.6V3+0.73D3	13.36	-1114.20	371.68	0.83	1.19	-5.35
G1+G2+0.6V4+0.73D4	12.82	3523.94	365.66	0.81	-3.38	0.46
G1+G2+0.7Q+0.6V1+0.73D1	14.60	1662.92	912.64	1.42	-1.52	-3.32
G1+G2+0.7Q+0.6V2+0.73D2	14.25	1551.55	211.85	0.89	-1.38	-3.65
G1+G2+0.7Q+0.6V3+0.73D3	14.69	-711.83	565.26	1.17	0.84	-6.39
G1+G2+0.7Q+0.6V4+0.73D4	14.16	3926.30	559.24	1.15	-3.73	-0.59
G1+G2+0.7Q+V1+0.44D1	14.64	1636.12	962.78	1.46	-1.49	-3.47
G1+G2+0.7Q+V2+0.44D2	14.21	1578.35	161.71	0.86	-1.40	-3.51
G1+G2+0.7Q+V3+0.44D3	14.83	-1837.78	566.40	1.17	1.94	-8.10
G1+G2+0.7Q+V4+0.44D4	14.02	5052.25	558.10	1.14	-4.83	1.13
G1+G2+D1	13.19	1286.99	604.36	1.01	-1.18	-2.11
G1+G2+D2	12.99	1122.75	132.98	0.63	-1.00	-2.78
G1+G2+D3	13.14	665.18	369.78	0.82	-0.55	-2.73
G1+G2+D4	13.04	1744.56	367.56	0.82	-1.64	-2.16
G1+G2+Q	14.99	1779.68	645.21	1.30	-1.60	-3.93
G1+G2+Q+0.6V1+0.44D1	15.14	1811.39	926.81	1.51	-1.64	-3.86

G1+G2+Q+0.6V2+0.44D2	14.85	1747.97	363.61	1.09	-1.56	-4.00
G1+G2+Q+0.6V3+0.44D3	15.25	-381.85	647.89	1.31	0.53	-6.75
G1+G2+Q+0.6V4+0.44D4	14.74	3941.21	642.52	1.29	-3.73	-1.11
G1+G2+Q+D1	15.09	1861.80	880.90	1.49	-1.69	-3.60
G1+G2+Q+D2	14.90	1697.56	409.52	1.11	-1.51	-4.26
G1+G2+Q+D3	15.04	1239.99	646.32	1.30	-1.05	-4.22
G1+G2+Q+D4	14.95	2319.37	644.09	1.30	-2.14	-3.65
G1+G2+V1+0.44D1	13.31	1233.75	769.20	1.12	-1.14	-2.43
G1+G2+V2+0.44D2	12.87	1175.99	-31.87	0.52	-1.05	-2.46
G1+G2+V3+0.44D3	13.50	-2240.14	372.82	0.83	2.29	-7.06
G1+G2+V4+0.44D4	12.68	4649.88	364.52	0.81	-4.48	2.17

Fundação B31						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	7.57	0.00	0.00	-0.01	-0.05	0.00
Adicional (G2)	6.90	0.00	0.00	-0.04	0.00	0.00
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Retração (R)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	2.79	0.00	0.00	0.00	-0.01	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
Temperatura 1 (T1)	0.00	0.00	0.00	0.00	0.00	0.00
Temperatura 2 (T2)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	-1.12	0.00	0.00	0.07	0.01	0.00
Vento X- (V2)	1.12	0.00	0.00	-0.07	-0.01	0.00
Vento Y+ (V3)	0.00	0.00	0.00	0.01	0.08	0.00
Vento Y- (V4)	0.00	0.00	0.00	-0.01	-0.08	0.00
Desaprumo X+ (D1)	-0.66	0.00	0.00	0.06	0.00	0.00
Desaprumo X- (D2)	0.66	0.00	0.00	-0.06	0.00	0.00
Desaprumo Y+ (D3)	0.01	0.00	0.00	0.00	0.01	0.00
Desaprumo Y- (D4)	-0.01	0.00	0.00	0.00	-0.01	0.00
G1+G2	14.48	0.00	0.00	-0.05	-0.05	0.00
G1+G2+0.6V1+0.73D1	13.32	0.00	0.00	0.03	-0.05	0.00
G1+G2+0.6V2+0.73D2	15.64	0.00	0.00	-0.14	-0.06	0.00
G1+G2+0.6V3+0.73D3	14.48	0.00	0.00	-0.04	0.00	0.00
G1+G2+0.6V4+0.73D4	14.48	0.00	0.00	-0.06	-0.11	0.00
G1+G2+0.7Q+0.6V1+0.73D1	15.27	0.00	0.00	0.03	-0.06	0.00
G1+G2+0.7Q+0.6V2+0.73D2	17.59	0.00	0.00	-0.14	-0.07	0.00
G1+G2+0.7Q+0.6V3+0.73D3	16.43	0.00	0.00	-0.05	-0.01	0.00
G1+G2+0.7Q+0.6V4+0.73D4	16.43	0.00	0.00	-0.06	-0.12	0.00
G1+G2+0.7Q+V1+0.44D1	15.02	0.00	0.00	0.04	-0.06	0.00
G1+G2+0.7Q+V2+0.44D2	17.84	0.00	0.00	-0.15	-0.07	0.00
G1+G2+0.7Q+V3+0.44D3	16.43	0.00	0.00	-0.04	0.02	0.00
G1+G2+0.7Q+V4+0.44D4	16.43	0.00	0.00	-0.07	-0.15	0.00
G1+G2+D1	13.82	0.00	0.00	0.00	-0.05	0.00
G1+G2+D2	15.14	0.00	0.00	-0.11	-0.06	0.00
G1+G2+D3	14.49	0.00	0.00	-0.05	-0.04	0.00
G1+G2+D4	14.47	0.00	0.00	-0.05	-0.07	0.00
G1+G2+Q	17.27	0.00	0.00	-0.05	-0.07	0.00
G1+G2+Q+0.6V1+0.44D1	16.30	0.00	0.00	0.01	-0.06	0.00
G1+G2+Q+0.6V2+0.44D2	18.23	0.00	0.00	-0.12	-0.07	0.00
G1+G2+Q+0.6V3+0.44D3	17.27	0.00	0.00	-0.05	-0.01	0.00
G1+G2+Q+0.6V4+0.44D4	17.27	0.00	0.00	-0.06	-0.12	0.00
G1+G2+Q+D1	16.60	0.00	0.00	0.00	-0.06	0.00
G1+G2+Q+D2	17.93	0.00	0.00	-0.11	-0.07	0.00
G1+G2+Q+D3	17.27	0.00	0.00	-0.05	-0.05	0.00
G1+G2+Q+D4	17.26	0.00	0.00	-0.06	-0.08	0.00
G1+G2+V1+0.44D1	13.07	0.00	0.00	0.05	-0.05	0.00
G1+G2+V2+0.44D2	15.89	0.00	0.00	-0.15	-0.06	0.00
G1+G2+V3+0.44D3	14.48	0.00	0.00	-0.04	0.03	0.00
G1+G2+V4+0.44D4	14.48	0.00	0.00	-0.06	-0.14	0.00

Fundação B32						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	16.69	0.00	0.00	-0.64	-0.04	0.00
Adicional (G2)	13.16	0.00	0.00	-0.95	0.00	0.00
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Retração (R)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	5.80	0.00	0.00	-0.34	-0.02	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
Temperatura 1 (T1)	0.00	0.00	0.00	0.00	0.00	0.00
Temperatura 2 (T2)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	0.73	0.00	0.00	-0.02	-0.01	0.00
Vento X- (V2)	-0.73	0.00	0.00	0.02	0.01	0.00
Vento Y+ (V3)	-3.78	0.00	0.00	-0.05	0.23	0.00
Vento Y- (V4)	3.78	0.00	0.00	0.05	-0.23	0.00
Desaprumo X+ (D1)	0.53	0.00	0.00	0.05	-0.01	0.00
Desaprumo X- (D2)	-0.53	0.00	0.00	-0.05	0.01	0.00
Desaprumo Y+ (D3)	-0.49	0.00	0.00	-0.01	0.04	0.00
Desaprumo Y- (D4)	0.49	0.00	0.00	0.01	-0.04	0.00
G1+G2	29.85	0.00	0.00	-1.59	-0.04	0.00
G1+G2+0.6V1+0.73D1	30.67	0.00	0.00	-1.57	-0.05	0.00
G1+G2+0.6V2+0.73D2	29.03	0.00	0.00	-1.61	-0.03	0.00
G1+G2+0.6V3+0.73D3	27.23	0.00	0.00	-1.62	0.12	0.00
G1+G2+0.6V4+0.73D4	32.47	0.00	0.00	-1.56	-0.21	0.00
G1+G2+0.7Q+0.6V1+0.73D1	34.73	0.00	0.00	-1.80	-0.07	0.00
G1+G2+0.7Q+0.6V2+0.73D2	33.09	0.00	0.00	-1.85	-0.05	0.00
G1+G2+0.7Q+0.6V3+0.73D3	31.29	0.00	0.00	-1.86	0.11	0.00
G1+G2+0.7Q+0.6V4+0.73D4	36.53	0.00	0.00	-1.79	-0.22	0.00
G1+G2+0.7Q+V1+0.44D1	34.87	0.00	0.00	-1.83	-0.07	0.00
G1+G2+0.7Q+V2+0.44D2	32.95	0.00	0.00	-1.82	-0.05	0.00
G1+G2+0.7Q+V3+0.44D3	29.92	0.00	0.00	-1.87	0.19	0.00
G1+G2+0.7Q+V4+0.44D4	37.90	0.00	0.00	-1.78	-0.30	0.00
G1+G2+D1	30.38	0.00	0.00	-1.54	-0.05	0.00
G1+G2+D2	29.32	0.00	0.00	-1.63	-0.03	0.00
G1+G2+D3	29.36	0.00	0.00	-1.59	0.00	0.00
G1+G2+D4	30.34	0.00	0.00	-1.58	-0.08	0.00
G1+G2+Q	35.65	0.00	0.00	-1.93	-0.06	0.00
G1+G2+Q+0.6V1+0.44D1	36.32	0.00	0.00	-1.92	-0.07	0.00
G1+G2+Q+0.6V2+0.44D2	34.98	0.00	0.00	-1.93	-0.06	0.00
G1+G2+Q+0.6V3+0.44D3	33.17	0.00	0.00	-1.96	0.09	0.00
G1+G2+Q+0.6V4+0.44D4	38.13	0.00	0.00	-1.90	-0.22	0.00
G1+G2+Q+D1	36.18	0.00	0.00	-1.88	-0.07	0.00
G1+G2+Q+D2	35.12	0.00	0.00	-1.97	-0.05	0.00
G1+G2+Q+D3	35.16	0.00	0.00	-1.93	-0.02	0.00
G1+G2+Q+D4	36.14	0.00	0.00	-1.92	-0.10	0.00
G1+G2+V1+0.44D1	30.81	0.00	0.00	-1.59	-0.05	0.00
G1+G2+V2+0.44D2	28.89	0.00	0.00	-1.59	-0.03	0.00
G1+G2+V3+0.44D3	25.86	0.00	0.00	-1.64	0.20	0.00
G1+G2+V4+0.44D4	33.84	0.00	0.00	-1.54	-0.28	0.00

Fundação B33						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	15.01	0.00	0.00	0.18	0.20	0.00
Adicional (G2)	23.90	0.00	0.00	-1.57	0.93	0.00
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Retração (R)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	3.46	0.00	0.00	0.26	0.04	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
Temperatura 1 (T1)	0.00	0.00	0.00	0.00	0.00	0.00
Temperatura 2 (T2)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	0.32	0.00	0.00	-0.02	0.00	0.00

Vento X- (V2)	-0.32	0.00	0.00	0.02	0.00	0.00
Vento Y+ (V3)	1.85	0.00	0.00	-0.02	0.12	0.00
Vento Y- (V4)	-1.85	0.00	0.00	0.02	-0.12	0.00
Desaprumo X+ (D1)	0.12	0.00	0.00	0.04	-0.01	0.00
Desaprumo X- (D2)	-0.12	0.00	0.00	-0.04	0.01	0.00
Desaprumo Y+ (D3)	0.20	0.00	0.00	0.00	0.02	0.00
Desaprumo Y- (D4)	-0.20	0.00	0.00	0.00	-0.02	0.00
G1+G2	38.91	0.00	0.00	-1.39	1.13	0.00
G1+G2+0.6V1+0.73D1	39.20	0.00	0.00	-1.38	1.12	0.00
G1+G2+0.6V2+0.73D2	38.63	0.00	0.00	-1.41	1.13	0.00
G1+G2+0.6V3+0.73D3	40.17	0.00	0.00	-1.41	1.21	0.00
G1+G2+0.6V4+0.73D4	37.65	0.00	0.00	-1.38	1.04	0.00
G1+G2+0.7Q+0.6V1+0.73D1	41.62	0.00	0.00	-1.19	1.15	0.00
G1+G2+0.7Q+0.6V2+0.73D2	41.06	0.00	0.00	-1.23	1.16	0.00
G1+G2+0.7Q+0.6V3+0.73D3	42.60	0.00	0.00	-1.22	1.24	0.00
G1+G2+0.7Q+0.6V4+0.73D4	40.08	0.00	0.00	-1.20	1.07	0.00
G1+G2+0.7Q+V1+0.44D1	41.72	0.00	0.00	-1.21	1.15	0.00
G1+G2+0.7Q+V2+0.44D2	40.96	0.00	0.00	-1.20	1.16	0.00
G1+G2+0.7Q+V3+0.44D3	43.28	0.00	0.00	-1.23	1.28	0.00
G1+G2+0.7Q+V4+0.44D4	39.40	0.00	0.00	-1.19	1.03	0.00
G1+G2+D1	39.04	0.00	0.00	-1.35	1.12	0.00
G1+G2+D2	38.79	0.00	0.00	-1.43	1.13	0.00
G1+G2+D3	39.12	0.00	0.00	-1.39	1.15	0.00
G1+G2+D4	38.71	0.00	0.00	-1.39	1.10	0.00
G1+G2+Q	42.38	0.00	0.00	-1.13	1.17	0.00
G1+G2+Q+0.6V1+0.44D1	42.63	0.00	0.00	-1.13	1.16	0.00
G1+G2+Q+0.6V2+0.44D2	42.13	0.00	0.00	-1.14	1.17	0.00
G1+G2+Q+0.6V3+0.44D3	43.58	0.00	0.00	-1.14	1.25	0.00
G1+G2+Q+0.6V4+0.44D4	41.18	0.00	0.00	-1.12	1.09	0.00
G1+G2+Q+D1	42.50	0.00	0.00	-1.09	1.16	0.00
G1+G2+Q+D2	42.26	0.00	0.00	-1.17	1.17	0.00
G1+G2+Q+D3	42.58	0.00	0.00	-1.13	1.19	0.00
G1+G2+Q+D4	42.18	0.00	0.00	-1.13	1.14	0.00
G1+G2+V1+0.44D1	39.29	0.00	0.00	-1.40	1.12	0.00
G1+G2+V2+0.44D2	38.54	0.00	0.00	-1.39	1.13	0.00
G1+G2+V3+0.44D3	40.86	0.00	0.00	-1.41	1.25	0.00
G1+G2+V4+0.44D4	36.97	0.00	0.00	-1.37	1.00	0.00

Fundação B34						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	3.14	117.03	220.41	0.39	0.21	-0.87
Adicional (G2)	12.46	-1169.34	815.21	1.56	2.41	-0.41
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Retração (R)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	0.45	261.58	57.35	0.09	-0.15	-0.82
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
Temperatura 1 (T1)	0.00	0.00	0.00	0.00	0.00	0.00
Temperatura 2 (T2)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	0.14	-22.70	241.99	0.27	0.02	-0.08
Vento X- (V2)	-0.14	22.70	-241.99	-0.27	-0.02	0.08
Vento Y+ (V3)	0.35	-2490.23	5.67	0.00	2.06	-2.46
Vento Y- (V4)	-0.35	2490.23	-5.67	0.00	-2.06	2.46
Desaprumo X+ (D1)	0.09	72.69	177.04	0.20	-0.06	0.18
Desaprumo X- (D2)	-0.09	-72.69	-177.04	-0.20	0.06	-0.18
Desaprumo Y+ (D3)	0.05	-372.06	-0.23	0.00	0.31	-0.15
Desaprumo Y- (D4)	-0.05	372.06	0.23	0.00	-0.31	0.15
G1+G2	15.61	-1052.31	1035.62	1.95	2.62	-1.28
G1+G2+0.6V1+0.73D1	15.76	-1012.88	1310.01	2.26	2.59	-1.19
G1+G2+0.6V2+0.73D2	15.45	-1091.74	761.23	1.65	2.66	-1.36
G1+G2+0.6V3+0.73D3	15.85	-2817.96	1038.85	1.96	4.08	-2.87
G1+G2+0.6V4+0.73D4	15.36	713.34	1032.39	1.95	1.17	0.31
G1+G2+0.7Q+0.6V1+0.73D1	16.07	-829.78	1350.16	2.33	2.48	-1.77

G1+G2+0.7Q+0.6V2+0.73D2	15.77	-908.63	801.37	1.71	2.55	-1.93
G1+G2+0.7Q+0.6V3+0.73D3	16.17	-2634.86	1078.99	2.02	3.98	-3.44
G1+G2+0.7Q+0.6V4+0.73D4	15.67	896.45	1072.54	2.02	1.06	-0.26
G1+G2+0.7Q+V1+0.44D1	16.10	-860.08	1395.28	2.38	2.51	-1.85
G1+G2+0.7Q+V2+0.44D2	15.74	-878.33	756.26	1.66	2.53	-1.85
G1+G2+0.7Q+V3+0.44D3	16.29	-3522.35	1081.33	2.02	4.71	-4.38
G1+G2+0.7Q+V4+0.44D4	15.55	1783.93	1070.20	2.01	0.33	0.68
G1+G2+D1	15.69	-979.62	1212.66	2.15	2.56	-1.10
G1+G2+D2	15.52	-1125.00	858.58	1.76	2.69	-1.45
G1+G2+D3	15.66	-1424.37	1035.38	1.95	2.93	-1.43
G1+G2+D4	15.55	-680.25	1035.85	1.96	2.32	-1.12
G1+G2+Q	16.05	-790.73	1092.97	2.04	2.47	-2.10
G1+G2+Q+0.6V1+0.44D1	16.18	-772.52	1315.68	2.30	2.46	-2.07
G1+G2+Q+0.6V2+0.44D2	15.93	-808.94	870.26	1.79	2.49	-2.13
G1+G2+Q+0.6V3+0.44D3	16.29	-2447.78	1096.27	2.05	3.84	-3.64
G1+G2+Q+0.6V4+0.44D4	15.82	866.32	1089.67	2.04	1.10	-0.55
G1+G2+Q+D1	16.14	-718.04	1270.01	2.24	2.41	-1.92
G1+G2+Q+D2	15.97	-863.42	915.93	1.85	2.53	-2.28
G1+G2+Q+D3	16.11	-1162.80	1092.74	2.04	2.78	-2.25
G1+G2+Q+D4	16.00	-418.67	1093.21	2.04	2.17	-1.94
G1+G2+V1+0.44D1	15.79	-1043.18	1355.13	2.31	2.61	-1.28
G1+G2+V2+0.44D2	15.42	-1061.44	716.11	1.59	2.63	-1.27
G1+G2+V3+0.44D3	15.98	-3705.45	1041.18	1.96	4.82	-3.81
G1+G2+V4+0.44D4	15.23	1600.83	1030.05	1.95	0.43	1.25

Fundação B35						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	3.46	0.00	0.00	-0.03	0.04	0.00
Adicional (G2)	2.18	0.00	0.00	-0.05	0.03	0.00
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Retração (R)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	-0.08	0.00	0.00	-0.02	0.03	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
Temperatura 1 (T1)	0.00	0.00	0.00	0.00	0.00	0.00
Temperatura 2 (T2)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	-0.15	0.00	0.00	0.01	0.00	0.00
Vento X- (V2)	0.15	0.00	0.00	-0.01	0.00	0.00
Vento Y+ (V3)	2.40	0.00	0.00	0.00	0.11	0.00
Vento Y- (V4)	-2.40	0.00	0.00	0.00	-0.11	0.00
Desaprumo X+ (D1)	-0.12	0.00	0.00	0.01	0.00	0.00
Desaprumo X- (D2)	0.12	0.00	0.00	-0.01	0.00	0.00
Desaprumo Y+ (D3)	0.29	0.00	0.00	0.00	0.02	0.00
Desaprumo Y- (D4)	-0.29	0.00	0.00	0.00	-0.02	0.00
G1+G2	5.64	0.00	0.00	-0.08	0.07	0.00
G1+G2+0.6V1+0.73D1	5.46	0.00	0.00	-0.07	0.07	0.00
G1+G2+0.6V2+0.73D2	5.82	0.00	0.00	-0.10	0.08	0.00
G1+G2+0.6V3+0.73D3	7.29	0.00	0.00	-0.08	0.16	0.00
G1+G2+0.6V4+0.73D4	3.99	0.00	0.00	-0.09	-0.01	0.00
G1+G2+0.7Q+0.6V1+0.73D1	5.41	0.00	0.00	-0.09	0.09	0.00
G1+G2+0.7Q+0.6V2+0.73D2	5.77	0.00	0.00	-0.11	0.10	0.00
G1+G2+0.7Q+0.6V3+0.73D3	7.24	0.00	0.00	-0.10	0.18	0.00
G1+G2+0.7Q+0.6V4+0.73D4	3.93	0.00	0.00	-0.10	0.01	0.00
G1+G2+0.7Q+V1+0.44D1	5.38	0.00	0.00	-0.09	0.09	0.00
G1+G2+0.7Q+V2+0.44D2	5.79	0.00	0.00	-0.12	0.10	0.00
G1+G2+0.7Q+V3+0.44D3	8.12	0.00	0.00	-0.10	0.22	0.00
G1+G2+0.7Q+V4+0.44D4	3.06	0.00	0.00	-0.10	-0.03	0.00
G1+G2+D1	5.52	0.00	0.00	-0.07	0.07	0.00
G1+G2+D2	5.76	0.00	0.00	-0.09	0.08	0.00
G1+G2+D3	5.93	0.00	0.00	-0.08	0.10	0.00
G1+G2+D4	5.35	0.00	0.00	-0.08	0.05	0.00
G1+G2+Q	5.56	0.00	0.00	-0.11	0.10	0.00
G1+G2+Q+0.6V1+0.44D1	5.42	0.00	0.00	-0.10	0.10	0.00

G1+G2+Q+0.6V2+0.44D2	5.71	0.00	0.00	-0.12	0.10	0.00
G1+G2+Q+0.6V3+0.44D3	7.13	0.00	0.00	-0.11	0.18	0.00
G1+G2+Q+0.6V4+0.44D4	3.99	0.00	0.00	-0.11	0.02	0.00
G1+G2+Q+D1	5.44	0.00	0.00	-0.10	0.10	0.00
G1+G2+Q+D2	5.69	0.00	0.00	-0.12	0.10	0.00
G1+G2+Q+D3	5.85	0.00	0.00	-0.11	0.13	0.00
G1+G2+Q+D4	5.27	0.00	0.00	-0.11	0.08	0.00
G1+G2+V1+0.44D1	5.44	0.00	0.00	-0.07	0.07	0.00
G1+G2+V2+0.44D2	5.84	0.00	0.00	-0.10	0.08	0.00
G1+G2+V3+0.44D3	8.17	0.00	0.00	-0.08	0.20	0.00
G1+G2+V4+0.44D4	3.11	0.00	0.00	-0.09	-0.05	0.00

Fundação B36						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	12.95	0.00	0.00	-0.01	0.21	0.00
Adicional (G2)	10.05	0.00	0.00	-0.04	0.04	0.00
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Retração (R)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	1.98	0.00	0.00	0.00	0.12	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
Temperatura 1 (T1)	0.00	0.00	0.00	0.00	0.00	0.00
Temperatura 2 (T2)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	-0.55	0.00	0.00	0.00	-0.01	0.00
Vento X- (V2)	0.55	0.00	0.00	0.00	0.01	0.00
Vento Y+ (V3)	0.83	0.00	0.00	0.00	0.03	0.00
Vento Y- (V4)	-0.83	0.00	0.00	0.00	-0.03	0.00
Desaprumo X+ (D1)	-0.25	0.00	0.00	0.00	-0.01	0.00
Desaprumo X- (D2)	0.25	0.00	0.00	0.00	0.01	0.00
Desaprumo Y+ (D3)	-0.04	0.00	0.00	0.00	0.02	0.00
Desaprumo Y- (D4)	0.04	0.00	0.00	0.00	-0.02	0.00
G1+G2	22.99	0.00	0.00	-0.05	0.25	0.00
G1+G2+0.6V1+0.73D1	22.48	0.00	0.00	-0.05	0.24	0.00
G1+G2+0.6V2+0.73D2	23.50	0.00	0.00	-0.05	0.25	0.00
G1+G2+0.6V3+0.73D3	23.46	0.00	0.00	-0.05	0.28	0.00
G1+G2+0.6V4+0.73D4	22.53	0.00	0.00	-0.05	0.21	0.00
G1+G2+0.7Q+0.6V1+0.73D1	23.87	0.00	0.00	-0.05	0.32	0.00
G1+G2+0.7Q+0.6V2+0.73D2	24.89	0.00	0.00	-0.05	0.34	0.00
G1+G2+0.7Q+0.6V3+0.73D3	24.85	0.00	0.00	-0.05	0.36	0.00
G1+G2+0.7Q+0.6V4+0.73D4	23.92	0.00	0.00	-0.05	0.29	0.00
G1+G2+0.7Q+V1+0.44D1	23.72	0.00	0.00	-0.05	0.32	0.00
G1+G2+0.7Q+V2+0.44D2	25.04	0.00	0.00	-0.05	0.34	0.00
G1+G2+0.7Q+V3+0.44D3	25.19	0.00	0.00	-0.05	0.37	0.00
G1+G2+0.7Q+V4+0.44D4	23.57	0.00	0.00	-0.05	0.29	0.00
G1+G2+D1	22.75	0.00	0.00	-0.04	0.24	0.00
G1+G2+D2	23.24	0.00	0.00	-0.05	0.25	0.00
G1+G2+D3	22.95	0.00	0.00	-0.05	0.27	0.00
G1+G2+D4	23.03	0.00	0.00	-0.05	0.22	0.00
G1+G2+Q	24.98	0.00	0.00	-0.05	0.36	0.00
G1+G2+Q+0.6V1+0.44D1	24.54	0.00	0.00	-0.05	0.36	0.00
G1+G2+Q+0.6V2+0.44D2	25.42	0.00	0.00	-0.05	0.37	0.00
G1+G2+Q+0.6V3+0.44D3	25.46	0.00	0.00	-0.05	0.39	0.00
G1+G2+Q+0.6V4+0.44D4	24.50	0.00	0.00	-0.05	0.34	0.00
G1+G2+Q+D1	24.73	0.00	0.00	-0.05	0.36	0.00
G1+G2+Q+D2	25.22	0.00	0.00	-0.06	0.37	0.00
G1+G2+Q+D3	24.94	0.00	0.00	-0.05	0.39	0.00
G1+G2+Q+D4	25.02	0.00	0.00	-0.05	0.34	0.00
G1+G2+V1+0.44D1	22.33	0.00	0.00	-0.05	0.24	0.00
G1+G2+V2+0.44D2	23.66	0.00	0.00	-0.05	0.25	0.00
G1+G2+V3+0.44D3	23.80	0.00	0.00	-0.05	0.29	0.00
G1+G2+V4+0.44D4	22.18	0.00	0.00	-0.05	0.21	0.00

Fundação B37						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	6.98	0.00	0.00	-0.01	-0.16	0.00
Adicional (G2)	7.44	0.00	0.00	-0.02	-0.20	0.00
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Retração (R)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	2.89	0.00	0.00	0.00	-0.15	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
Temperatura 1 (T1)	0.00	0.00	0.00	0.00	0.00	0.00
Temperatura 2 (T2)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	0.07	0.00	0.00	0.03	-0.01	0.00
Vento X- (V2)	-0.07	0.00	0.00	-0.03	0.01	0.00
Vento Y+ (V3)	1.63	0.00	0.00	0.01	0.17	0.00
Vento Y- (V4)	-1.63	0.00	0.00	-0.01	-0.17	0.00
Desaprumo X+ (D1)	0.01	0.00	0.00	0.02	-0.01	0.00
Desaprumo X- (D2)	-0.01	0.00	0.00	-0.02	0.01	0.00
Desaprumo Y+ (D3)	0.20	0.00	0.00	0.00	0.03	0.00
Desaprumo Y- (D4)	-0.20	0.00	0.00	0.00	-0.03	0.00
G1+G2	14.41	0.00	0.00	-0.03	-0.37	0.00
G1+G2+0.6V1+0.73D1	14.46	0.00	0.00	0.00	-0.38	0.00
G1+G2+0.6V2+0.73D2	14.36	0.00	0.00	-0.06	-0.35	0.00
G1+G2+0.6V3+0.73D3	15.53	0.00	0.00	-0.03	-0.24	0.00
G1+G2+0.6V4+0.73D4	13.29	0.00	0.00	-0.04	-0.49	0.00
G1+G2+0.7Q+0.6V1+0.73D1	16.48	0.00	0.00	0.00	-0.48	0.00
G1+G2+0.7Q+0.6V2+0.73D2	16.38	0.00	0.00	-0.06	-0.46	0.00
G1+G2+0.7Q+0.6V3+0.73D3	17.56	0.00	0.00	-0.03	-0.34	0.00
G1+G2+0.7Q+0.6V4+0.73D4	15.31	0.00	0.00	-0.04	-0.60	0.00
G1+G2+0.7Q+V1+0.44D1	16.51	0.00	0.00	0.00	-0.48	0.00
G1+G2+0.7Q+V2+0.44D2	16.36	0.00	0.00	-0.07	-0.46	0.00
G1+G2+0.7Q+V3+0.44D3	18.15	0.00	0.00	-0.03	-0.28	0.00
G1+G2+0.7Q+V4+0.44D4	14.72	0.00	0.00	-0.04	-0.66	0.00
G1+G2+D1	14.42	0.00	0.00	-0.01	-0.37	0.00
G1+G2+D2	14.40	0.00	0.00	-0.05	-0.36	0.00
G1+G2+D3	14.61	0.00	0.00	-0.03	-0.33	0.00
G1+G2+D4	14.21	0.00	0.00	-0.03	-0.40	0.00
G1+G2+Q	17.30	0.00	0.00	-0.03	-0.51	0.00
G1+G2+Q+0.6V1+0.44D1	17.35	0.00	0.00	-0.01	-0.52	0.00
G1+G2+Q+0.6V2+0.44D2	17.25	0.00	0.00	-0.06	-0.51	0.00
G1+G2+Q+0.6V3+0.44D3	18.36	0.00	0.00	-0.03	-0.40	0.00
G1+G2+Q+0.6V4+0.44D4	16.24	0.00	0.00	-0.04	-0.63	0.00
G1+G2+Q+D1	17.31	0.00	0.00	-0.01	-0.52	0.00
G1+G2+Q+D2	17.29	0.00	0.00	-0.05	-0.51	0.00
G1+G2+Q+D3	17.50	0.00	0.00	-0.03	-0.48	0.00
G1+G2+Q+D4	17.10	0.00	0.00	-0.03	-0.55	0.00
G1+G2+V1+0.44D1	14.49	0.00	0.00	0.00	-0.38	0.00
G1+G2+V2+0.44D2	14.34	0.00	0.00	-0.07	-0.35	0.00
G1+G2+V3+0.44D3	16.13	0.00	0.00	-0.03	-0.18	0.00
G1+G2+V4+0.44D4	12.70	0.00	0.00	-0.04	-0.55	0.00

Fundação B38						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	38.35	0.00	0.00	-0.47	0.10	0.00
Adicional (G2)	44.83	0.00	0.00	-0.76	0.04	0.00
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Retração (R)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	16.09	0.00	0.00	-0.39	0.16	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
Temperatura 1 (T1)	0.00	0.00	0.00	0.00	0.00	0.00
Temperatura 2 (T2)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	0.09	0.00	0.00	-0.16	0.00	0.00

Vento X- (V2)	-0.09	0.00	0.00	0.16	0.00	0.00
Vento Y+ (V3)	1.38	0.00	0.00	-0.01	0.06	0.00
Vento Y- (V4)	-1.38	0.00	0.00	0.01	-0.06	0.00
Desaprumo X+ (D1)	0.07	0.00	0.00	-0.05	-0.01	0.00
Desaprumo X- (D2)	-0.07	0.00	0.00	0.05	0.01	0.00
Desaprumo Y+ (D3)	0.10	0.00	0.00	0.00	0.01	0.00
Desaprumo Y- (D4)	-0.10	0.00	0.00	0.00	-0.01	0.00
G1+G2	83.18	0.00	0.00	-1.24	0.14	0.00
G1+G2+0.6V1+0.73D1	83.29	0.00	0.00	-1.37	0.13	0.00
G1+G2+0.6V2+0.73D2	83.07	0.00	0.00	-1.11	0.14	0.00
G1+G2+0.6V3+0.73D3	84.08	0.00	0.00	-1.24	0.18	0.00
G1+G2+0.6V4+0.73D4	82.27	0.00	0.00	-1.23	0.09	0.00
G1+G2+0.7Q+0.6V1+0.73D1	94.55	0.00	0.00	-1.64	0.24	0.00
G1+G2+0.7Q+0.6V2+0.73D2	94.34	0.00	0.00	-1.38	0.26	0.00
G1+G2+0.7Q+0.6V3+0.73D3	95.35	0.00	0.00	-1.52	0.30	0.00
G1+G2+0.7Q+0.6V4+0.73D4	93.54	0.00	0.00	-1.50	0.20	0.00
G1+G2+0.7Q+V1+0.44D1	94.57	0.00	0.00	-1.69	0.24	0.00
G1+G2+0.7Q+V2+0.44D2	94.32	0.00	0.00	-1.33	0.26	0.00
G1+G2+0.7Q+V3+0.44D3	95.87	0.00	0.00	-1.53	0.31	0.00
G1+G2+0.7Q+V4+0.44D4	93.02	0.00	0.00	-1.50	0.18	0.00
G1+G2+D1	83.25	0.00	0.00	-1.29	0.13	0.00
G1+G2+D2	83.11	0.00	0.00	-1.19	0.14	0.00
G1+G2+D3	83.28	0.00	0.00	-1.23	0.15	0.00
G1+G2+D4	83.08	0.00	0.00	-1.24	0.12	0.00
G1+G2+Q	99.27	0.00	0.00	-1.63	0.30	0.00
G1+G2+Q+0.6V1+0.44D1	99.36	0.00	0.00	-1.75	0.29	0.00
G1+G2+Q+0.6V2+0.44D2	99.19	0.00	0.00	-1.51	0.30	0.00
G1+G2+Q+0.6V3+0.44D3	100.15	0.00	0.00	-1.64	0.34	0.00
G1+G2+Q+0.6V4+0.44D4	98.40	0.00	0.00	-1.62	0.25	0.00
G1+G2+Q+D1	99.34	0.00	0.00	-1.68	0.29	0.00
G1+G2+Q+D2	99.20	0.00	0.00	-1.58	0.30	0.00
G1+G2+Q+D3	99.37	0.00	0.00	-1.63	0.31	0.00
G1+G2+Q+D4	99.17	0.00	0.00	-1.63	0.28	0.00
G1+G2+V1+0.44D1	83.30	0.00	0.00	-1.42	0.13	0.00
G1+G2+V2+0.44D2	83.06	0.00	0.00	-1.06	0.15	0.00
G1+G2+V3+0.44D3	84.61	0.00	0.00	-1.25	0.20	0.00
G1+G2+V4+0.44D4	81.75	0.00	0.00	-1.22	0.07	0.00

Fundação B39						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	29.56	0.00	0.00	0.14	-0.17	0.00
Adicional (G2)	45.94	0.00	0.00	-1.10	-1.79	0.00
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Retração (R)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	7.89	0.00	0.00	0.36	0.05	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
Temperatura 1 (T1)	0.00	0.00	0.00	0.00	0.00	0.00
Temperatura 2 (T2)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	0.38	0.00	0.00	0.06	-0.01	0.00
Vento X- (V2)	-0.38	0.00	0.00	-0.06	0.01	0.00
Vento Y+ (V3)	4.11	0.00	0.00	0.02	-0.14	0.00
Vento Y- (V4)	-4.11	0.00	0.00	-0.02	0.14	0.00
Desaprumo X+ (D1)	0.02	0.00	0.00	0.06	0.00	0.00
Desaprumo X- (D2)	-0.02	0.00	0.00	-0.06	0.00	0.00
Desaprumo Y+ (D3)	0.37	0.00	0.00	0.00	0.03	0.00
Desaprumo Y- (D4)	-0.37	0.00	0.00	0.00	-0.03	0.00
G1+G2	75.50	0.00	0.00	-0.96	-1.96	0.00
G1+G2+0.6V1+0.73D1	75.74	0.00	0.00	-0.88	-1.97	0.00
G1+G2+0.6V2+0.73D2	75.26	0.00	0.00	-1.04	-1.96	0.00
G1+G2+0.6V3+0.73D3	78.24	0.00	0.00	-0.95	-2.02	0.00
G1+G2+0.6V4+0.73D4	72.76	0.00	0.00	-0.98	-1.90	0.00
G1+G2+0.7Q+0.6V1+0.73D1	81.27	0.00	0.00	-0.63	-1.93	0.00

G1+G2+0.7Q+0.6V2+0.73D2	80.79	0.00	0.00	-0.79	-1.92	0.00
G1+G2+0.7Q+0.6V3+0.73D3	83.77	0.00	0.00	-0.69	-1.99	0.00
G1+G2+0.7Q+0.6V4+0.73D4	78.29	0.00	0.00	-0.72	-1.87	0.00
G1+G2+0.7Q+V1+0.44D1	81.41	0.00	0.00	-0.62	-1.94	0.00
G1+G2+0.7Q+V2+0.44D2	80.64	0.00	0.00	-0.79	-1.92	0.00
G1+G2+0.7Q+V3+0.44D3	85.30	0.00	0.00	-0.69	-2.05	0.00
G1+G2+0.7Q+V4+0.44D4	76.75	0.00	0.00	-0.73	-1.80	0.00
G1+G2+D1	75.52	0.00	0.00	-0.91	-1.97	0.00
G1+G2+D2	75.48	0.00	0.00	-1.02	-1.96	0.00
G1+G2+D3	75.87	0.00	0.00	-0.96	-1.93	0.00
G1+G2+D4	75.13	0.00	0.00	-0.96	-1.99	0.00
G1+G2+Q	83.40	0.00	0.00	-0.60	-1.91	0.00
G1+G2+Q+0.6V1+0.44D1	83.63	0.00	0.00	-0.54	-1.92	0.00
G1+G2+Q+0.6V2+0.44D2	83.16	0.00	0.00	-0.66	-1.91	0.00
G1+G2+Q+0.6V3+0.44D3	86.03	0.00	0.00	-0.59	-1.98	0.00
G1+G2+Q+0.6V4+0.44D4	80.77	0.00	0.00	-0.61	-1.84	0.00
G1+G2+Q+D1	83.41	0.00	0.00	-0.54	-1.92	0.00
G1+G2+Q+D2	83.38	0.00	0.00	-0.66	-1.91	0.00
G1+G2+Q+D3	83.77	0.00	0.00	-0.60	-1.88	0.00
G1+G2+Q+D4	83.02	0.00	0.00	-0.60	-1.94	0.00
G1+G2+V1+0.44D1	75.89	0.00	0.00	-0.88	-1.97	0.00
G1+G2+V2+0.44D2	75.11	0.00	0.00	-1.05	-1.95	0.00
G1+G2+V3+0.44D3	79.78	0.00	0.00	-0.94	-2.09	0.00
G1+G2+V4+0.44D4	71.23	0.00	0.00	-0.98	-1.84	0.00

Fundação B40						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	6.42	127.41	887.93	1.51	-0.16	-0.87
Adicional (G2)	21.80	390.74	3113.35	6.15	-0.66	-0.41
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Retração (R)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	1.10	87.02	256.00	0.34	-0.11	-0.82
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
Temperatura 1 (T1)	0.00	0.00	0.00	0.00	0.00	0.00
Temperatura 2 (T2)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	0.18	-8.69	1066.02	0.90	0.01	-0.08
Vento X- (V2)	-0.18	8.69	-1066.02	-0.90	-0.01	0.08
Vento Y+ (V3)	-0.22	-618.92	203.79	0.21	0.72	-2.46
Vento Y- (V4)	0.22	618.92	-203.79	-0.21	-0.72	2.46
Desaprumo X+ (D1)	0.14	15.87	772.31	0.65	-0.02	0.18
Desaprumo X- (D2)	-0.14	-15.87	-772.31	-0.65	0.02	-0.18
Desaprumo Y+ (D3)	-0.04	-92.51	15.48	0.02	0.11	-0.15
Desaprumo Y- (D4)	0.04	92.51	-15.48	-0.02	-0.11	0.15
G1+G2	28.21	518.15	4001.27	7.66	-0.83	-1.28
G1+G2+0.6V1+0.73D1	28.42	524.51	5204.48	8.68	-0.83	-1.20
G1+G2+0.6V2+0.73D2	28.00	511.78	2798.07	6.65	-0.82	-1.36
G1+G2+0.6V3+0.73D3	28.05	79.28	4134.84	7.81	-0.32	-2.87
G1+G2+0.6V4+0.73D4	28.37	957.01	3867.70	7.52	-1.34	0.31
G1+G2+0.7Q+0.6V1+0.73D1	29.19	585.43	5383.68	8.92	-0.91	-1.78
G1+G2+0.7Q+0.6V2+0.73D2	28.78	572.69	2977.26	6.89	-0.90	-1.94
G1+G2+0.7Q+0.6V3+0.73D3	28.83	140.20	4314.04	8.04	-0.39	-3.45
G1+G2+0.7Q+0.6V4+0.73D4	29.14	1017.92	4046.90	7.76	-1.41	-0.27
G1+G2+0.7Q+V1+0.44D1	29.23	577.32	5584.65	9.09	-0.90	-1.86
G1+G2+0.7Q+V2+0.44D2	28.74	580.80	2776.30	6.71	-0.91	-1.85
G1+G2+0.7Q+V3+0.44D3	28.75	-80.37	4391.04	8.12	-0.13	-4.39
G1+G2+0.7Q+V4+0.44D4	29.22	1238.48	3969.90	7.68	-1.67	0.68
G1+G2+D1	28.35	534.02	4773.58	8.31	-0.85	-1.10
G1+G2+D2	28.08	502.27	3228.97	7.02	-0.81	-1.46
G1+G2+D3	28.18	425.63	4016.75	7.68	-0.72	-1.43
G1+G2+D4	28.25	610.66	3985.79	7.65	-0.94	-1.13
G1+G2+Q	29.32	605.17	4257.27	8.00	-0.93	-2.10
G1+G2+Q+0.6V1+0.44D1	29.48	606.90	5235.04	8.83	-0.93	-2.07

G1+G2+Q+0.6V2+0.44D2	29.15	603.43	3279.50	7.18	-0.93	-2.13
G1+G2+Q+0.6V3+0.44D3	29.17	193.31	4386.32	8.14	-0.45	-3.65
G1+G2+Q+0.6V4+0.44D4	29.46	1017.02	4128.22	7.87	-1.41	-0.56
G1+G2+Q+D1	29.45	621.04	5029.58	8.65	-0.95	-1.93
G1+G2+Q+D2	29.18	589.29	3484.97	7.35	-0.92	-2.28
G1+G2+Q+D3	29.28	512.65	4272.75	8.02	-0.83	-2.26
G1+G2+Q+D4	29.35	697.68	4241.79	7.98	-1.04	-1.95
G1+G2+V1+0.44D1	28.45	516.40	5405.45	8.85	-0.82	-1.28
G1+G2+V2+0.44D2	27.97	519.89	2597.10	6.48	-0.83	-1.28
G1+G2+V3+0.44D3	27.98	-141.28	4211.84	7.89	-0.06	-3.81
G1+G2+V4+0.44D4	28.45	1177.57	3790.70	7.44	-1.60	1.25

Fundação B41						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	8.24	0.00	0.00	0.02	0.19	0.00
Adicional (G2)	7.78	0.00	0.00	-0.02	0.23	0.00
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Retração (R)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	4.32	0.00	0.00	0.00	0.15	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
Temperatura 1 (T1)	0.00	0.00	0.00	0.00	0.00	0.00
Temperatura 2 (T2)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	0.08	0.00	0.00	0.01	0.00	0.00
Vento X- (V2)	-0.08	0.00	0.00	-0.01	0.00	0.00
Vento Y+ (V3)	-1.72	0.00	0.00	0.01	0.16	0.00
Vento Y- (V4)	1.72	0.00	0.00	-0.01	-0.16	0.00
Desaprumo X+ (D1)	0.08	0.00	0.00	0.01	0.00	0.00
Desaprumo X- (D2)	-0.08	0.00	0.00	-0.01	0.00	0.00
Desaprumo Y+ (D3)	-0.22	0.00	0.00	0.00	0.03	0.00
Desaprumo Y- (D4)	0.22	0.00	0.00	0.00	-0.03	0.00
G1+G2	16.02	0.00	0.00	0.00	0.42	0.00
G1+G2+0.6V1+0.73D1	16.13	0.00	0.00	0.01	0.42	0.00
G1+G2+0.6V2+0.73D2	15.91	0.00	0.00	-0.01	0.42	0.00
G1+G2+0.6V3+0.73D3	14.83	0.00	0.00	0.01	0.54	0.00
G1+G2+0.6V4+0.73D4	17.21	0.00	0.00	0.00	0.30	0.00
G1+G2+0.7Q+0.6V1+0.73D1	19.15	0.00	0.00	0.01	0.52	0.00
G1+G2+0.7Q+0.6V2+0.73D2	18.93	0.00	0.00	-0.01	0.52	0.00
G1+G2+0.7Q+0.6V3+0.73D3	17.85	0.00	0.00	0.01	0.64	0.00
G1+G2+0.7Q+0.6V4+0.73D4	20.23	0.00	0.00	0.00	0.40	0.00
G1+G2+0.7Q+V1+0.44D1	19.15	0.00	0.00	0.02	0.52	0.00
G1+G2+0.7Q+V2+0.44D2	18.93	0.00	0.00	-0.01	0.52	0.00
G1+G2+0.7Q+V3+0.44D3	17.23	0.00	0.00	0.01	0.70	0.00
G1+G2+0.7Q+V4+0.44D4	20.85	0.00	0.00	0.00	0.34	0.00
G1+G2+D1	16.10	0.00	0.00	0.01	0.42	0.00
G1+G2+D2	15.93	0.00	0.00	-0.01	0.42	0.00
G1+G2+D3	15.80	0.00	0.00	0.00	0.45	0.00
G1+G2+D4	16.24	0.00	0.00	0.00	0.39	0.00
G1+G2+Q	20.33	0.00	0.00	0.00	0.57	0.00
G1+G2+Q+0.6V1+0.44D1	20.42	0.00	0.00	0.01	0.57	0.00
G1+G2+Q+0.6V2+0.44D2	20.25	0.00	0.00	-0.01	0.56	0.00
G1+G2+Q+0.6V3+0.44D3	19.21	0.00	0.00	0.01	0.68	0.00
G1+G2+Q+0.6V4+0.44D4	21.46	0.00	0.00	0.00	0.45	0.00
G1+G2+Q+D1	20.42	0.00	0.00	0.01	0.56	0.00
G1+G2+Q+D2	20.25	0.00	0.00	-0.01	0.57	0.00
G1+G2+Q+D3	20.11	0.00	0.00	0.00	0.60	0.00
G1+G2+Q+D4	20.56	0.00	0.00	0.00	0.53	0.00
G1+G2+V1+0.44D1	16.13	0.00	0.00	0.02	0.42	0.00
G1+G2+V2+0.44D2	15.91	0.00	0.00	-0.01	0.41	0.00
G1+G2+V3+0.44D3	14.21	0.00	0.00	0.01	0.60	0.00
G1+G2+V4+0.44D4	17.83	0.00	0.00	0.00	0.24	0.00

Fundação B42						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	15.80	0.00	0.00	-0.20	0.13	0.00
Adicional (G2)	15.27	0.00	0.00	-0.30	0.17	0.00
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Retração (R)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	3.51	0.00	0.00	-0.15	0.15	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
Temperatura 1 (T1)	0.00	0.00	0.00	0.00	0.00	0.00
Temperatura 2 (T2)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	-0.44	0.00	0.00	0.00	0.00	0.00
Vento X- (V2)	0.44	0.00	0.00	0.00	0.00	0.00
Vento Y+ (V3)	-0.92	0.00	0.00	0.00	-0.06	0.00
Vento Y- (V4)	0.92	0.00	0.00	0.00	0.06	0.00
Desaprumo X+ (D1)	-0.21	0.00	0.00	0.01	0.00	0.00
Desaprumo X- (D2)	0.21	0.00	0.00	-0.01	0.00	0.00
Desaprumo Y+ (D3)	0.03	0.00	0.00	0.00	0.01	0.00
Desaprumo Y- (D4)	-0.03	0.00	0.00	0.00	-0.01	0.00
G1+G2	31.07	0.00	0.00	-0.50	0.30	0.00
G1+G2+0.6V1+0.73D1	30.66	0.00	0.00	-0.49	0.30	0.00
G1+G2+0.6V2+0.73D2	31.49	0.00	0.00	-0.51	0.30	0.00
G1+G2+0.6V3+0.73D3	30.54	0.00	0.00	-0.50	0.27	0.00
G1+G2+0.6V4+0.73D4	31.60	0.00	0.00	-0.50	0.33	0.00
G1+G2+0.7Q+0.6V1+0.73D1	33.12	0.00	0.00	-0.60	0.41	0.00
G1+G2+0.7Q+0.6V2+0.73D2	33.94	0.00	0.00	-0.61	0.41	0.00
G1+G2+0.7Q+0.6V3+0.73D3	33.00	0.00	0.00	-0.60	0.38	0.00
G1+G2+0.7Q+0.6V4+0.73D4	34.06	0.00	0.00	-0.61	0.44	0.00
G1+G2+0.7Q+V1+0.44D1	33.00	0.00	0.00	-0.60	0.41	0.00
G1+G2+0.7Q+V2+0.44D2	34.06	0.00	0.00	-0.61	0.41	0.00
G1+G2+0.7Q+V3+0.44D3	32.62	0.00	0.00	-0.60	0.35	0.00
G1+G2+0.7Q+V4+0.44D4	34.44	0.00	0.00	-0.61	0.47	0.00
G1+G2+D1	30.87	0.00	0.00	-0.49	0.30	0.00
G1+G2+D2	31.28	0.00	0.00	-0.51	0.30	0.00
G1+G2+D3	31.11	0.00	0.00	-0.50	0.31	0.00
G1+G2+D4	31.04	0.00	0.00	-0.50	0.29	0.00
G1+G2+Q	34.58	0.00	0.00	-0.65	0.45	0.00
G1+G2+Q+0.6V1+0.44D1	34.23	0.00	0.00	-0.65	0.45	0.00
G1+G2+Q+0.6V2+0.44D2	34.93	0.00	0.00	-0.66	0.46	0.00
G1+G2+Q+0.6V3+0.44D3	34.04	0.00	0.00	-0.65	0.42	0.00
G1+G2+Q+0.6V4+0.44D4	35.12	0.00	0.00	-0.65	0.49	0.00
G1+G2+Q+D1	34.37	0.00	0.00	-0.64	0.45	0.00
G1+G2+Q+D2	34.79	0.00	0.00	-0.66	0.46	0.00
G1+G2+Q+D3	34.61	0.00	0.00	-0.65	0.47	0.00
G1+G2+Q+D4	34.55	0.00	0.00	-0.65	0.44	0.00
G1+G2+V1+0.44D1	30.55	0.00	0.00	-0.50	0.30	0.00
G1+G2+V2+0.44D2	31.60	0.00	0.00	-0.50	0.30	0.00
G1+G2+V3+0.44D3	30.16	0.00	0.00	-0.49	0.24	0.00
G1+G2+V4+0.44D4	31.98	0.00	0.00	-0.50	0.36	0.00

Fundação B43						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	40.03	0.00	0.00	-1.29	-0.12	0.00
Adicional (G2)	47.38	0.00	0.00	-0.86	-0.06	0.00
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Retração (R)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	17.72	0.00	0.00	-0.86	-0.16	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
Temperatura 1 (T1)	0.00	0.00	0.00	0.00	0.00	0.00
Temperatura 2 (T2)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	0.01	0.00	0.00	-0.16	0.00	0.00

Vento X- (V2)	-0.01	0.00	0.00	0.16	0.00	0.00
Vento Y+ (V3)	-1.36	0.00	0.00	-0.02	0.06	0.00
Vento Y- (V4)	1.36	0.00	0.00	0.02	-0.06	0.00
Desaprumo X+ (D1)	0.05	0.00	0.00	-0.05	0.00	0.00
Desaprumo X- (D2)	-0.05	0.00	0.00	0.05	0.00	0.00
Desaprumo Y+ (D3)	-0.10	0.00	0.00	0.00	0.01	0.00
Desaprumo Y- (D4)	0.10	0.00	0.00	0.00	-0.01	0.00
G1+G2	87.41	0.00	0.00	-2.15	-0.18	0.00
G1+G2+0.6V1+0.73D1	87.45	0.00	0.00	-2.29	-0.18	0.00
G1+G2+0.6V2+0.73D2	87.37	0.00	0.00	-2.02	-0.19	0.00
G1+G2+0.6V3+0.73D3	86.52	0.00	0.00	-2.16	-0.14	0.00
G1+G2+0.6V4+0.73D4	88.30	0.00	0.00	-2.14	-0.23	0.00
G1+G2+0.7Q+0.6V1+0.73D1	99.85	0.00	0.00	-2.89	-0.29	0.00
G1+G2+0.7Q+0.6V2+0.73D2	99.77	0.00	0.00	-2.62	-0.30	0.00
G1+G2+0.7Q+0.6V3+0.73D3	98.92	0.00	0.00	-2.76	-0.25	0.00
G1+G2+0.7Q+0.6V4+0.73D4	100.70	0.00	0.00	-2.74	-0.34	0.00
G1+G2+0.7Q+V1+0.44D1	99.84	0.00	0.00	-2.94	-0.29	0.00
G1+G2+0.7Q+V2+0.44D2	99.79	0.00	0.00	-2.57	-0.30	0.00
G1+G2+0.7Q+V3+0.44D3	98.41	0.00	0.00	-2.77	-0.23	0.00
G1+G2+0.7Q+V4+0.44D4	101.22	0.00	0.00	-2.73	-0.36	0.00
G1+G2+D1	87.46	0.00	0.00	-2.20	-0.18	0.00
G1+G2+D2	87.36	0.00	0.00	-2.10	-0.18	0.00
G1+G2+D3	87.31	0.00	0.00	-2.15	-0.17	0.00
G1+G2+D4	87.51	0.00	0.00	-2.15	-0.20	0.00
G1+G2+Q	105.13	0.00	0.00	-3.01	-0.34	0.00
G1+G2+Q+0.6V1+0.44D1	105.15	0.00	0.00	-3.13	-0.34	0.00
G1+G2+Q+0.6V2+0.44D2	105.10	0.00	0.00	-2.89	-0.34	0.00
G1+G2+Q+0.6V3+0.44D3	104.27	0.00	0.00	-3.02	-0.30	0.00
G1+G2+Q+0.6V4+0.44D4	105.99	0.00	0.00	-3.00	-0.39	0.00
G1+G2+Q+D1	105.18	0.00	0.00	-3.06	-0.34	0.00
G1+G2+Q+D2	105.08	0.00	0.00	-2.96	-0.34	0.00
G1+G2+Q+D3	105.03	0.00	0.00	-3.01	-0.33	0.00
G1+G2+Q+D4	105.23	0.00	0.00	-3.02	-0.36	0.00
G1+G2+V1+0.44D1	87.44	0.00	0.00	-2.34	-0.18	0.00
G1+G2+V2+0.44D2	87.38	0.00	0.00	-1.97	-0.19	0.00
G1+G2+V3+0.44D3	86.01	0.00	0.00	-2.17	-0.12	0.00
G1+G2+V4+0.44D4	88.82	0.00	0.00	-2.13	-0.25	0.00

Fundação B44						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	30.72	0.00	0.00	0.34	0.71	0.00
Adicional (G2)	46.24	0.00	0.00	-1.05	1.90	0.00
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Retração (R)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	8.98	0.00	0.00	0.48	0.42	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
Temperatura 1 (T1)	0.00	0.00	0.00	0.00	0.00	0.00
Temperatura 2 (T2)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	0.27	0.00	0.00	0.06	-0.01	0.00
Vento X- (V2)	-0.27	0.00	0.00	-0.06	0.01	0.00
Vento Y+ (V3)	-4.05	0.00	0.00	0.01	-0.14	0.00
Vento Y- (V4)	4.05	0.00	0.00	-0.01	0.14	0.00
Desaprumo X+ (D1)	0.11	0.00	0.00	0.06	-0.01	0.00
Desaprumo X- (D2)	-0.11	0.00	0.00	-0.06	0.01	0.00
Desaprumo Y+ (D3)	-0.37	0.00	0.00	0.00	0.03	0.00
Desaprumo Y- (D4)	0.37	0.00	0.00	0.00	-0.03	0.00
G1+G2	76.96	0.00	0.00	-0.71	2.61	0.00
G1+G2+0.6V1+0.73D1	77.20	0.00	0.00	-0.63	2.60	0.00
G1+G2+0.6V2+0.73D2	76.72	0.00	0.00	-0.78	2.63	0.00
G1+G2+0.6V3+0.73D3	74.26	0.00	0.00	-0.70	2.56	0.00
G1+G2+0.6V4+0.73D4	79.66	0.00	0.00	-0.71	2.67	0.00
G1+G2+0.7Q+0.6V1+0.73D1	83.48	0.00	0.00	-0.29	2.89	0.00

G1+G2+0.7Q+0.6V2+0.73D2	83.00	0.00	0.00	-0.44	2.92	0.00
G1+G2+0.7Q+0.6V3+0.73D3	80.54	0.00	0.00	-0.36	2.85	0.00
G1+G2+0.7Q+0.6V4+0.73D4	85.94	0.00	0.00	-0.37	2.97	0.00
G1+G2+0.7Q+V1+0.44D1	83.56	0.00	0.00	-0.28	2.89	0.00
G1+G2+0.7Q+V2+0.44D2	82.93	0.00	0.00	-0.45	2.92	0.00
G1+G2+0.7Q+V3+0.44D3	79.03	0.00	0.00	-0.36	2.78	0.00
G1+G2+0.7Q+V4+0.44D4	87.45	0.00	0.00	-0.38	3.03	0.00
G1+G2+D1	77.07	0.00	0.00	-0.65	2.61	0.00
G1+G2+D2	76.85	0.00	0.00	-0.76	2.62	0.00
G1+G2+D3	76.59	0.00	0.00	-0.71	2.65	0.00
G1+G2+D4	77.33	0.00	0.00	-0.71	2.58	0.00
G1+G2+Q	85.94	0.00	0.00	-0.22	3.03	0.00
G1+G2+Q+0.6V1+0.44D1	86.14	0.00	0.00	-0.16	3.02	0.00
G1+G2+Q+0.6V2+0.44D2	85.73	0.00	0.00	-0.28	3.04	0.00
G1+G2+Q+0.6V3+0.44D3	83.35	0.00	0.00	-0.22	2.96	0.00
G1+G2+Q+0.6V4+0.44D4	88.53	0.00	0.00	-0.23	3.10	0.00
G1+G2+Q+D1	86.05	0.00	0.00	-0.17	3.03	0.00
G1+G2+Q+D2	85.83	0.00	0.00	-0.28	3.04	0.00
G1+G2+Q+D3	85.57	0.00	0.00	-0.22	3.06	0.00
G1+G2+Q+D4	86.31	0.00	0.00	-0.22	3.00	0.00
G1+G2+V1+0.44D1	77.27	0.00	0.00	-0.62	2.60	0.00
G1+G2+V2+0.44D2	76.65	0.00	0.00	-0.79	2.63	0.00
G1+G2+V3+0.44D3	72.75	0.00	0.00	-0.70	2.49	0.00
G1+G2+V4+0.44D4	81.17	0.00	0.00	-0.72	2.74	0.00

Fundação B45						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	6.22	88.86	896.31	1.49	-0.09	-0.87
Adicional (G2)	21.70	-242.98	3135.37	6.17	0.49	-0.42
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Retração (R)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	0.98	76.12	279.67	0.34	-0.09	-0.82
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
Temperatura 1 (T1)	0.00	0.00	0.00	0.00	0.00	0.00
Temperatura 2 (T2)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	0.19	-3.40	1068.82	0.90	0.00	-0.08
Vento X- (V2)	-0.19	3.40	-1068.82	-0.90	0.00	0.08
Vento Y+ (V3)	0.30	-618.01	231.49	0.15	0.72	-2.46
Vento Y- (V4)	-0.30	618.01	-231.49	-0.15	-0.72	2.46
Desaprumo X+ (D1)	0.12	19.72	766.18	0.65	-0.02	0.18
Desaprumo X- (D2)	-0.12	-19.72	-766.18	-0.65	0.02	-0.18
Desaprumo Y+ (D3)	0.04	-92.47	11.09	0.00	0.11	-0.15
Desaprumo Y- (D4)	-0.04	92.47	-11.09	0.00	-0.11	0.15
G1+G2	27.92	-154.12	4031.68	7.66	0.39	-1.29
G1+G2+0.6V1+0.73D1	28.12	-141.78	5232.09	8.68	0.38	-1.21
G1+G2+0.6V2+0.73D2	27.72	-166.47	2831.27	6.65	0.41	-1.37
G1+G2+0.6V3+0.73D3	28.12	-592.41	4178.67	7.75	0.91	-2.88
G1+G2+0.6V4+0.73D4	27.71	284.16	3884.69	7.57	-0.12	0.30
G1+G2+0.7Q+0.6V1+0.73D1	28.80	-88.49	5427.86	8.92	0.32	-1.79
G1+G2+0.7Q+0.6V2+0.73D2	28.40	-113.19	3027.03	6.89	0.35	-1.95
G1+G2+0.7Q+0.6V3+0.73D3	28.81	-539.13	4374.44	8.00	0.85	-3.46
G1+G2+0.7Q+0.6V4+0.73D4	28.40	337.45	4080.46	7.81	-0.18	-0.27
G1+G2+0.7Q+V1+0.44D1	28.84	-95.61	5631.74	9.09	0.33	-1.87
G1+G2+0.7Q+V2+0.44D2	28.36	-106.08	2823.16	6.72	0.34	-1.86
G1+G2+0.7Q+V3+0.44D3	28.92	-759.34	4463.80	8.06	1.10	-4.40
G1+G2+0.7Q+V4+0.44D4	28.29	557.66	3991.10	7.75	-0.43	0.67
G1+G2+D1	28.04	-134.41	4797.86	8.31	0.37	-1.11
G1+G2+D2	27.80	-173.84	3265.50	7.02	0.42	-1.47
G1+G2+D3	27.96	-246.59	4042.77	7.66	0.50	-1.44
G1+G2+D4	27.88	-61.65	4020.59	7.66	0.29	-1.13
G1+G2+Q	28.90	-78.01	4311.35	8.01	0.31	-2.11
G1+G2+Q+0.6V1+0.44D1	29.06	-71.41	5288.11	8.83	0.30	-2.08

G1+G2+Q+0.6V2+0.44D2	28.73	-84.60	3334.58	7.18	0.32	-2.14
G1+G2+Q+0.6V3+0.44D3	29.09	-489.30	4455.10	8.10	0.79	-3.66
G1+G2+Q+0.6V4+0.44D4	28.70	333.29	4167.59	7.91	-0.17	-0.57
G1+G2+Q+D1	29.02	-58.29	5077.53	8.65	0.28	-1.94
G1+G2+Q+D2	28.78	-97.72	3545.17	7.36	0.33	-2.29
G1+G2+Q+D3	28.94	-170.48	4322.44	8.01	0.42	-2.27
G1+G2+Q+D4	28.86	14.46	4300.25	8.00	0.20	-1.96
G1+G2+V1+0.44D1	28.16	-148.89	5435.97	8.85	0.39	-1.29
G1+G2+V2+0.44D2	27.68	-159.36	2627.39	6.47	0.40	-1.29
G1+G2+V3+0.44D3	28.23	-812.63	4268.03	7.81	1.16	-3.82
G1+G2+V4+0.44D4	27.60	504.38	3795.33	7.51	-0.37	1.24

Fundação B46						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	5.33	0.00	0.00	-0.10	0.08	0.00
Adicional (G2)	5.15	0.00	0.00	-0.16	0.06	0.00
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Retração (R)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	1.64	0.00	0.00	-0.08	0.07	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
Temperatura 1 (T1)	0.00	0.00	0.00	0.00	0.00	0.00
Temperatura 2 (T2)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	-0.18	0.00	0.00	0.01	0.00	0.00
Vento X- (V2)	0.18	0.00	0.00	-0.01	0.00	0.00
Vento Y+ (V3)	-2.59	0.00	0.00	-0.01	-0.03	0.00
Vento Y- (V4)	2.59	0.00	0.00	0.01	0.03	0.00
Desaprumo X+ (D1)	-0.06	0.00	0.00	0.01	0.00	0.00
Desaprumo X- (D2)	0.06	0.00	0.00	-0.01	0.00	0.00
Desaprumo Y+ (D3)	-0.30	0.00	0.00	0.00	0.00	0.00
Desaprumo Y- (D4)	0.30	0.00	0.00	0.00	0.00	0.00
G1+G2	10.49	0.00	0.00	-0.26	0.15	0.00
G1+G2+0.6V1+0.73D1	10.33	0.00	0.00	-0.25	0.15	0.00
G1+G2+0.6V2+0.73D2	10.64	0.00	0.00	-0.27	0.15	0.00
G1+G2+0.6V3+0.73D3	8.71	0.00	0.00	-0.27	0.13	0.00
G1+G2+0.6V4+0.73D4	12.26	0.00	0.00	-0.26	0.16	0.00
G1+G2+0.7Q+0.6V1+0.73D1	11.48	0.00	0.00	-0.30	0.20	0.00
G1+G2+0.7Q+0.6V2+0.73D2	11.79	0.00	0.00	-0.33	0.20	0.00
G1+G2+0.7Q+0.6V3+0.73D3	9.87	0.00	0.00	-0.32	0.19	0.00
G1+G2+0.7Q+0.6V4+0.73D4	13.41	0.00	0.00	-0.31	0.21	0.00
G1+G2+0.7Q+V1+0.44D1	11.43	0.00	0.00	-0.30	0.20	0.00
G1+G2+0.7Q+V2+0.44D2	11.85	0.00	0.00	-0.33	0.20	0.00
G1+G2+0.7Q+V3+0.44D3	8.91	0.00	0.00	-0.32	0.17	0.00
G1+G2+0.7Q+V4+0.44D4	14.36	0.00	0.00	-0.31	0.22	0.00
G1+G2+D1	10.43	0.00	0.00	-0.25	0.15	0.00
G1+G2+D2	10.54	0.00	0.00	-0.27	0.15	0.00
G1+G2+D3	10.19	0.00	0.00	-0.26	0.15	0.00
G1+G2+D4	10.78	0.00	0.00	-0.26	0.14	0.00
G1+G2+Q	12.13	0.00	0.00	-0.34	0.22	0.00
G1+G2+Q+0.6V1+0.44D1	11.99	0.00	0.00	-0.33	0.22	0.00
G1+G2+Q+0.6V2+0.44D2	12.27	0.00	0.00	-0.35	0.22	0.00
G1+G2+Q+0.6V3+0.44D3	10.44	0.00	0.00	-0.34	0.21	0.00
G1+G2+Q+0.6V4+0.44D4	13.81	0.00	0.00	-0.33	0.24	0.00
G1+G2+Q+D1	12.07	0.00	0.00	-0.33	0.22	0.00
G1+G2+Q+D2	12.19	0.00	0.00	-0.35	0.22	0.00
G1+G2+Q+D3	11.83	0.00	0.00	-0.34	0.22	0.00
G1+G2+Q+D4	12.42	0.00	0.00	-0.34	0.22	0.00
G1+G2+V1+0.44D1	10.28	0.00	0.00	-0.25	0.14	0.00
G1+G2+V2+0.44D2	10.70	0.00	0.00	-0.27	0.15	0.00
G1+G2+V3+0.44D3	7.76	0.00	0.00	-0.27	0.12	0.00
G1+G2+V4+0.44D4	13.21	0.00	0.00	-0.25	0.17	0.00

Fundação B47						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	6.36	0.00	0.00	0.01	-0.26	0.00
Adicional (G2)	6.59	0.00	0.00	-0.02	-0.38	0.00
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Retração (R)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	2.10	0.00	0.00	0.02	-0.22	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
Temperatura 1 (T1)	0.00	0.00	0.00	0.00	0.00	0.00
Temperatura 2 (T2)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	-1.16	0.00	0.00	0.07	-0.01	0.00
Vento X- (V2)	1.16	0.00	0.00	-0.07	0.01	0.00
Vento Y+ (V3)	-0.76	0.00	0.00	0.03	0.03	0.00
Vento Y- (V4)	0.76	0.00	0.00	-0.03	-0.03	0.00
Desaprumo X+ (D1)	-0.65	0.00	0.00	0.05	-0.01	0.00
Desaprumo X- (D2)	0.65	0.00	0.00	-0.05	0.01	0.00
Desaprumo Y+ (D3)	-0.05	0.00	0.00	0.00	0.01	0.00
Desaprumo Y- (D4)	0.05	0.00	0.00	0.00	-0.01	0.00
G1+G2	12.95	0.00	0.00	-0.02	-0.65	0.00
G1+G2+0.6V1+0.73D1	11.78	0.00	0.00	0.07	-0.66	0.00
G1+G2+0.6V2+0.73D2	14.11	0.00	0.00	-0.10	-0.64	0.00
G1+G2+0.6V3+0.73D3	12.45	0.00	0.00	0.00	-0.62	0.00
G1+G2+0.6V4+0.73D4	13.44	0.00	0.00	-0.04	-0.68	0.00
G1+G2+0.7Q+0.6V1+0.73D1	13.25	0.00	0.00	0.08	-0.81	0.00
G1+G2+0.7Q+0.6V2+0.73D2	15.59	0.00	0.00	-0.09	-0.80	0.00
G1+G2+0.7Q+0.6V3+0.73D3	13.92	0.00	0.00	0.01	-0.78	0.00
G1+G2+0.7Q+0.6V4+0.73D4	14.91	0.00	0.00	-0.02	-0.83	0.00
G1+G2+0.7Q+V1+0.44D1	12.97	0.00	0.00	0.10	-0.82	0.00
G1+G2+0.7Q+V2+0.44D2	15.86	0.00	0.00	-0.10	-0.79	0.00
G1+G2+0.7Q+V3+0.44D3	13.64	0.00	0.00	0.02	-0.77	0.00
G1+G2+0.7Q+V4+0.44D4	15.20	0.00	0.00	-0.03	-0.84	0.00
G1+G2+D1	12.30	0.00	0.00	0.04	-0.65	0.00
G1+G2+D2	13.59	0.00	0.00	-0.07	-0.64	0.00
G1+G2+D3	12.89	0.00	0.00	-0.02	-0.64	0.00
G1+G2+D4	13.00	0.00	0.00	-0.02	-0.66	0.00
G1+G2+Q	15.05	0.00	0.00	0.00	-0.87	0.00
G1+G2+Q+0.6V1+0.44D1	14.07	0.00	0.00	0.07	-0.88	0.00
G1+G2+Q+0.6V2+0.44D2	16.03	0.00	0.00	-0.06	-0.86	0.00
G1+G2+Q+0.6V3+0.44D3	14.57	0.00	0.00	0.02	-0.85	0.00
G1+G2+Q+0.6V4+0.44D4	15.52	0.00	0.00	-0.01	-0.90	0.00
G1+G2+Q+D1	14.40	0.00	0.00	0.06	-0.88	0.00
G1+G2+Q+D2	15.69	0.00	0.00	-0.05	-0.87	0.00
G1+G2+Q+D3	15.00	0.00	0.00	0.01	-0.86	0.00
G1+G2+Q+D4	15.10	0.00	0.00	0.00	-0.88	0.00
G1+G2+V1+0.44D1	11.50	0.00	0.00	0.08	-0.66	0.00
G1+G2+V2+0.44D2	14.39	0.00	0.00	-0.12	-0.64	0.00
G1+G2+V3+0.44D3	12.17	0.00	0.00	0.01	-0.61	0.00
G1+G2+V4+0.44D4	13.73	0.00	0.00	-0.05	-0.69	0.00

Fundação B48						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	14.88	0.00	0.00	-0.77	0.04	0.00
Adicional (G2)	13.06	0.00	0.00	-1.07	0.00	0.00
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Retração (R)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	4.91	0.00	0.00	-0.45	0.04	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
Temperatura 1 (T1)	0.00	0.00	0.00	0.00	0.00	0.00
Temperatura 2 (T2)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	0.73	0.00	0.00	-0.02	0.00	0.00

Vento X- (V2)	-0.73	0.00	0.00	0.02	0.00	0.00
Vento Y+ (V3)	-0.05	0.00	0.00	0.03	-0.06	0.00
Vento Y- (V4)	0.05	0.00	0.00	-0.03	0.06	0.00
Desaprumo X+ (D1)	0.42	0.00	0.00	0.04	0.00	0.00
Desaprumo X- (D2)	-0.42	0.00	0.00	-0.04	0.00	0.00
Desaprumo Y+ (D3)	-0.03	0.00	0.00	0.01	0.00	0.00
Desaprumo Y- (D4)	0.03	0.00	0.00	-0.01	0.00	0.00
G1+G2	27.94	0.00	0.00	-1.83	0.04	0.00
G1+G2+0.6V1+0.73D1	28.69	0.00	0.00	-1.82	0.04	0.00
G1+G2+0.6V2+0.73D2	27.19	0.00	0.00	-1.85	0.04	0.00
G1+G2+0.6V3+0.73D3	27.88	0.00	0.00	-1.81	0.00	0.00
G1+G2+0.6V4+0.73D4	27.99	0.00	0.00	-1.86	0.08	0.00
G1+G2+0.7Q+0.6V1+0.73D1	32.12	0.00	0.00	-2.13	0.07	0.00
G1+G2+0.7Q+0.6V2+0.73D2	30.62	0.00	0.00	-2.17	0.07	0.00
G1+G2+0.7Q+0.6V3+0.73D3	31.32	0.00	0.00	-2.13	0.03	0.00
G1+G2+0.7Q+0.6V4+0.73D4	31.42	0.00	0.00	-2.17	0.11	0.00
G1+G2+0.7Q+V1+0.44D1	32.29	0.00	0.00	-2.15	0.07	0.00
G1+G2+0.7Q+V2+0.44D2	30.45	0.00	0.00	-2.15	0.07	0.00
G1+G2+0.7Q+V3+0.44D3	31.31	0.00	0.00	-2.12	0.00	0.00
G1+G2+0.7Q+V4+0.44D4	31.44	0.00	0.00	-2.18	0.13	0.00
G1+G2+D1	28.36	0.00	0.00	-1.79	0.04	0.00
G1+G2+D2	27.51	0.00	0.00	-1.88	0.04	0.00
G1+G2+D3	27.91	0.00	0.00	-1.83	0.04	0.00
G1+G2+D4	27.97	0.00	0.00	-1.84	0.04	0.00
G1+G2+Q	32.84	0.00	0.00	-2.28	0.08	0.00
G1+G2+Q+0.6V1+0.44D1	33.47	0.00	0.00	-2.28	0.08	0.00
G1+G2+Q+0.6V2+0.44D2	32.22	0.00	0.00	-2.29	0.08	0.00
G1+G2+Q+0.6V3+0.44D3	32.80	0.00	0.00	-2.26	0.04	0.00
G1+G2+Q+0.6V4+0.44D4	32.89	0.00	0.00	-2.30	0.12	0.00
G1+G2+Q+D1	33.27	0.00	0.00	-2.24	0.08	0.00
G1+G2+Q+D2	32.42	0.00	0.00	-2.33	0.08	0.00
G1+G2+Q+D3	32.81	0.00	0.00	-2.27	0.07	0.00
G1+G2+Q+D4	32.87	0.00	0.00	-2.29	0.08	0.00
G1+G2+V1+0.44D1	28.86	0.00	0.00	-1.84	0.04	0.00
G1+G2+V2+0.44D2	27.02	0.00	0.00	-1.83	0.04	0.00
G1+G2+V3+0.44D3	27.87	0.00	0.00	-1.80	-0.02	0.00
G1+G2+V4+0.44D4	28.00	0.00	0.00	-1.87	0.10	0.00

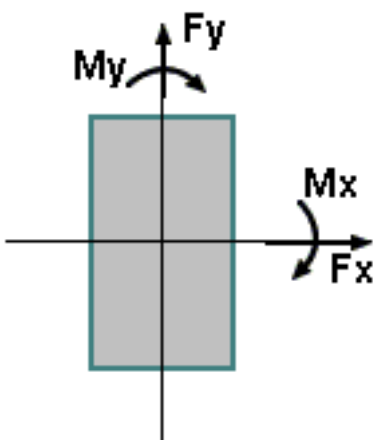
Fundação B49						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	15.64	0.00	0.00	0.12	-0.21	0.00
Adicional (G2)	24.09	0.00	0.00	-1.65	-0.94	0.00
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Retração (R)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	4.08	0.00	0.00	0.22	-0.04	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
Temperatura 1 (T1)	0.00	0.00	0.00	0.00	0.00	0.00
Temperatura 2 (T2)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	0.26	0.00	0.00	-0.02	0.00	0.00
Vento X- (V2)	-0.26	0.00	0.00	0.02	0.00	0.00
Vento Y+ (V3)	-1.77	0.00	0.00	0.04	0.12	0.00
Vento Y- (V4)	1.77	0.00	0.00	-0.04	-0.12	0.00
Desaprumo X+ (D1)	0.18	0.00	0.00	0.04	0.00	0.00
Desaprumo X- (D2)	-0.18	0.00	0.00	-0.04	0.00	0.00
Desaprumo Y+ (D3)	-0.21	0.00	0.00	0.01	0.02	0.00
Desaprumo Y- (D4)	0.21	0.00	0.00	-0.01	-0.02	0.00
G1+G2	39.73	0.00	0.00	-1.53	-1.16	0.00
G1+G2+0.6V1+0.73D1	40.02	0.00	0.00	-1.52	-1.16	0.00
G1+G2+0.6V2+0.73D2	39.44	0.00	0.00	-1.54	-1.15	0.00
G1+G2+0.6V3+0.73D3	38.52	0.00	0.00	-1.50	-1.07	0.00
G1+G2+0.6V4+0.73D4	40.94	0.00	0.00	-1.56	-1.24	0.00
G1+G2+0.7Q+0.6V1+0.73D1	42.87	0.00	0.00	-1.36	-1.18	0.00

G1+G2+0.7Q+0.6V2+0.73D2	42.30	0.00	0.00	-1.39	-1.18	0.00
G1+G2+0.7Q+0.6V3+0.73D3	41.38	0.00	0.00	-1.35	-1.10	0.00
G1+G2+0.7Q+0.6V4+0.73D4	43.80	0.00	0.00	-1.41	-1.27	0.00
G1+G2+0.7Q+V1+0.44D1	42.93	0.00	0.00	-1.38	-1.18	0.00
G1+G2+0.7Q+V2+0.44D2	42.25	0.00	0.00	-1.37	-1.18	0.00
G1+G2+0.7Q+V3+0.44D3	40.73	0.00	0.00	-1.34	-1.06	0.00
G1+G2+0.7Q+V4+0.44D4	44.44	0.00	0.00	-1.42	-1.31	0.00
G1+G2+D1	39.91	0.00	0.00	-1.49	-1.16	0.00
G1+G2+D2	39.55	0.00	0.00	-1.57	-1.15	0.00
G1+G2+D3	39.52	0.00	0.00	-1.52	-1.13	0.00
G1+G2+D4	39.93	0.00	0.00	-1.54	-1.18	0.00
G1+G2+Q	43.81	0.00	0.00	-1.31	-1.20	0.00
G1+G2+Q+0.6V1+0.44D1	44.05	0.00	0.00	-1.31	-1.20	0.00
G1+G2+Q+0.6V2+0.44D2	43.58	0.00	0.00	-1.32	-1.20	0.00
G1+G2+Q+0.6V3+0.44D3	42.66	0.00	0.00	-1.29	-1.12	0.00
G1+G2+Q+0.6V4+0.44D4	44.96	0.00	0.00	-1.34	-1.28	0.00
G1+G2+Q+D1	43.99	0.00	0.00	-1.28	-1.20	0.00
G1+G2+Q+D2	43.63	0.00	0.00	-1.35	-1.19	0.00
G1+G2+Q+D3	43.61	0.00	0.00	-1.30	-1.17	0.00
G1+G2+Q+D4	44.02	0.00	0.00	-1.32	-1.22	0.00
G1+G2+V1+0.44D1	40.07	0.00	0.00	-1.54	-1.16	0.00
G1+G2+V2+0.44D2	39.39	0.00	0.00	-1.52	-1.16	0.00
G1+G2+V3+0.44D3	37.87	0.00	0.00	-1.49	-1.03	0.00
G1+G2+V4+0.44D4	41.58	0.00	0.00	-1.57	-1.28	0.00

Fundação B50						
COMBINAÇÃO:	N (tf)	Mx (kgf.m)	My (kgf.m)	Vx (tf)	Vy (tf)	Mt (kgf/m)
Peso próprio (G1)	3.27	736.78	247.84	0.42	-0.91	-0.87
Adicional (G2)	12.55	1717.99	832.50	1.59	-2.84	-0.42
Solo (S)	0.00	0.00	0.00	0.00	0.00	0.00
Retração (R)	0.00	0.00	0.00	0.00	0.00	0.00
Acidental (Q)	0.56	388.81	83.75	0.12	-0.38	-0.82
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
Temperatura 1 (T1)	0.00	0.00	0.00	0.00	0.00	0.00
Temperatura 2 (T2)	0.00	0.00	0.00	0.00	0.00	0.00
Vento X+ (V1)	0.14	-26.20	244.60	0.28	0.02	-0.08
Vento X- (V2)	-0.14	26.20	-244.60	-0.28	-0.02	0.08
Vento Y+ (V3)	-0.30	-2492.36	92.89	0.11	2.06	-2.46
Vento Y- (V4)	0.30	2492.36	-92.89	-0.11	-2.06	2.46
Desaprumo X+ (D1)	0.10	71.05	171.15	0.19	-0.06	0.18
Desaprumo X- (D2)	-0.10	-71.05	-171.15	-0.19	0.06	-0.18
Desaprumo Y+ (D3)	-0.05	-372.28	6.08	0.01	0.31	-0.15
Desaprumo Y- (D4)	0.05	372.28	-6.08	-0.01	-0.31	0.15
G1+G2	15.81	2454.77	1080.35	2.01	-3.75	-1.29
G1+G2+0.6V1+0.73D1	15.97	2490.90	1352.01	2.31	-3.78	-1.21
G1+G2+0.6V2+0.73D2	15.65	2418.64	808.69	1.70	-3.72	-1.37
G1+G2+0.6V3+0.73D3	15.60	687.68	1140.52	2.08	-2.29	-2.88
G1+G2+0.6V4+0.73D4	16.03	4221.86	1020.17	1.94	-5.21	0.30
G1+G2+0.7Q+0.6V1+0.73D1	16.36	2763.07	1410.63	2.40	-4.05	-1.79
G1+G2+0.7Q+0.6V2+0.73D2	16.04	2690.81	867.31	1.79	-3.99	-1.95
G1+G2+0.7Q+0.6V3+0.73D3	15.99	959.85	1199.14	2.16	-2.56	-3.46
G1+G2+0.7Q+0.6V4+0.73D4	16.42	4494.03	1078.80	2.02	-5.48	-0.28
G1+G2+0.7Q+V1+0.44D1	16.39	2731.85	1458.51	2.45	-4.02	-1.87
G1+G2+0.7Q+V2+0.44D2	16.02	2722.03	819.43	1.73	-4.02	-1.87
G1+G2+0.7Q+V3+0.44D3	15.88	71.58	1234.52	2.20	-1.83	-4.40
G1+G2+0.7Q+V4+0.44D4	16.52	5382.30	1043.42	1.98	-6.21	0.66
G1+G2+D1	15.92	2525.82	1251.50	2.20	-3.81	-1.12
G1+G2+D2	15.71	2383.72	909.19	1.82	-3.69	-1.47
G1+G2+D3	15.76	2082.49	1086.42	2.02	-3.44	-1.45
G1+G2+D4	15.86	2827.05	1074.27	2.00	-4.06	-1.14
G1+G2+Q	16.37	2843.58	1164.09	2.13	-4.14	-2.12
G1+G2+Q+0.6V1+0.44D1	16.50	2858.97	1385.79	2.38	-4.15	-2.09

G1+G2+Q+0.6V2+0.44D2	16.24	2828.19	942.39	1.88	-4.12	-2.15
G1+G2+Q+0.6V3+0.44D3	16.17	1185.16	1222.49	2.20	-2.76	-3.66
G1+G2+Q+0.6V4+0.44D4	16.57	4502.00	1105.70	2.06	-5.51	-0.57
G1+G2+Q+D1	16.47	2914.63	1335.25	2.32	-4.19	-1.94
G1+G2+Q+D2	16.26	2772.53	992.94	1.94	-4.08	-2.29
G1+G2+Q+D3	16.32	2471.30	1170.17	2.14	-3.83	-2.27
G1+G2+Q+D4	16.42	3215.86	1158.02	2.12	-4.44	-1.96
G1+G2+V1+0.44D1	16.00	2459.69	1399.88	2.37	-3.75	-1.30
G1+G2+V2+0.44D2	15.63	2449.86	760.81	1.65	-3.75	-1.29
G1+G2+V3+0.44D3	15.50	-200.59	1175.90	2.12	-1.56	-3.83
G1+G2+V4+0.44D4	16.13	5110.13	984.79	1.90	-5.95	1.24

Legenda:

	<ul style="list-style-type: none"> - 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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Quadro de Cargas dos Pilares

	BALDRAME		SUPERIOR		BARRILETE		CAIXA D'ÁGUA		COB. CAIXA	
Pilares	NPos (tf)	NNeg	NPos (tf)	NNeg	NPos (tf)	NNeg	NPos (tf)	NNeg	NPos (tf)	NNeg
P1	56.08	0.00	41.46	0.00	23.84	0.00				
P2	98.80	0.00	69.87	0.00	41.41	0.00				
P3	92.67	0.00	65.63	0.00	38.44	0.00				
P4	93.68	0.00	66.32	0.00	38.85	0.00				
P5	93.67	0.00	66.31	0.00	38.77	0.00				
P6	93.86	0.00	66.44	0.00	38.81	0.00				
P7	94.07	0.00	66.62	0.00	38.95	0.00				
P8	89.63	0.00	64.31	0.00	38.63	0.00				
P9	95.73	0.00	68.49	0.00	41.56	0.00				
P10	49.28	0.00	36.60	0.00	20.21	0.00				
P11	59.71	0.00	41.61	0.00	11.84	0.00				
P12	102.03	0.00	62.04	0.00	20.09	0.00				
P13	93.76	0.00	57.45	0.00	18.03	0.00				
P14	93.75	0.00	58.12	0.00	19.74	0.00				
P15	95.05	0.00	59.18	0.00	20.74	0.00				
P16	95.74	0.00	59.56	0.00	20.77	0.00				
P17	96.45	0.00	60.01	0.00	20.93	0.00				
P18	90.27	0.00	56.64	0.00	20.39	0.00				
P19	97.48	0.00	60.91	0.00	23.24	0.00				
P20	56.02	0.00	39.51	0.00	10.76	0.00				
P21	23.49	0.00	17.18	0.00	11.94	0.00				
P22	31.80	0.00	26.11	0.00	22.39	0.00				
P23	30.88	0.00	25.03	0.00	21.30	0.00				
P24	27.88	0.00	22.21	0.00	18.52	0.00				
P25	25.41	0.00	19.67	0.00	15.78	0.00				
P26	25.42	0.00	19.74	0.00	15.94	0.00				
P27	25.29	0.00	19.66	0.00	15.89	0.00				
P28	23.92	0.00	18.41	0.00	14.48	0.00				
P29	22.94	0.00	17.52	0.00	13.62	0.00				
P30	15.25	0.00	11.51	0.00	7.65	0.00				
P31	18.23	0.00	12.66	0.00	6.82	0.00				
P32	38.13	0.00	25.32	0.00	11.25	0.00				
P33	43.58	0.00	18.33	0.00	8.65	0.00				
P34	16.29	0.00								
P35	8.17	0.00	6.80	0.00	4.81	0.00				
P36	25.46	0.00	23.62	0.00	21.39	0.00	19.44	0.00	6.43	0.00
P37	18.36	0.00	12.82	0.00	6.61	0.00				
P38	100.15	0.00	81.64	0.00	58.54	0.00	42.57	0.00	9.87	-0.02
P39	86.03	0.00	46.69	0.00	34.90	0.00	22.31	0.00	5.41	0.00
P40	29.48	0.00								
P41	21.46	0.00	14.84	0.00	6.76	0.00				
P42	35.12	0.00	30.04	0.00	24.97	0.00	20.19	0.00	6.59	0.00
P43	105.99	0.00	80.41	0.00	60.11	0.00	42.18	0.00	9.52	0.00
P44	88.53	0.00	47.66	0.00	34.95	0.00	22.37	0.00	5.38	0.00
P45	29.09	0.00								
P46	14.36	0.00	11.37	0.00	5.99	0.00				
P47	16.03	0.00	11.65	0.00	7.03	0.00				
P48	33.47	0.00	23.08	0.00	10.41	0.00				
P49	44.96	0.00	19.00	0.00	8.80	0.00				
P50	16.57	0.00								

Pavimento BALDRAME

Resultado dos Blocos

BALDRAME	fck = 300.00 kgf/cm²	E = 268384 kgf/cm²	Peso Espec = 2500.00 kgf/m³
Lance 1		cobr = 4.50 cm	

Dados						Resultados				
Blocos	ne Estaca	LB (cm) LH	NTotal (tf)	MB (kgf.m) MH	FB (tf) FH	hb (cm)	As1 (cm²) Ferros As2	As3 (cm²) Ferros As4	As5 (cm²) Ferros As6	As7 (cm²) Ferros
B1	3 HCM30	159.28 137.94	56.08	0.00 0.00	8.35 1.22		Erro 1			
B2	4 HCM30	150.00 150.00	98.80	0.00 0.00	0.12 13.56		Erro 1			
B3	4 HCM30	150.00 150.00	92.67	0.00 0.00	12.46 0.14		Erro 1			
B4	4 HCM30	150.00 150.00	93.68	0.00 0.00	12.31 0.12		Erro 1			
B5	4 HCM30	150.00 150.00	93.67	0.00 0.00	0.13 12.01		Erro 1			
B6	4 HCM30	150.00 150.00	93.86	0.00 0.00	11.73 0.13		Erro 1			
B7	4 HCM30	150.00 150.00	94.07	0.00 0.00	0.12 11.44		Erro 1			
B8	4 HCM30	150.00 150.00	89.63	0.00 0.00	0.11 10.36		Erro 1			
B9	4 HCM30	150.00 150.00	95.73	0.00 0.00	0.25 10.89		Erro 1			
B10	3 HCM30	159.28 137.94	49.28	0.00 0.00	1.09 4.99		Erro 1			
B11	3 HCM30	159.28 137.94	59.71	-2063.51 -4955.66	3.44 7.00		Erro 1			
B12	4 HCM30	150.00 150.00	102.03	-505.10 -7638.12	0.57 12.00		Erro 1			
B13	4 HCM30	150.00 150.00	93.76	7225.20 -503.67	11.27 0.45		Erro 1			
B14	4 HCM30	150.00 150.00	93.75	-647.17 -7260.58	0.69 11.37		Erro 1			
B15	4 HCM30	150.00 150.00	95.05	-636.80 -7236.31	0.67 11.36		Erro 1			
B16	4 HCM30	150.00 150.00	95.74	-637.33 -7214.10	0.67 11.36		Erro 1			
B17	4 HCM30	150.00 150.00	96.45	-636.20 -7186.71	0.67 11.34		Erro 1			
B18	4 HCM30	150.00 150.00	90.27	-616.98 -6816.41	0.63 10.61		Erro 1			
B19	4 HCM30	150.00 150.00	97.48	-801.00 -7203.50	0.98 11.30		Erro 1			
B20	3 HCM30	159.28 137.94	56.02	0.00 0.00	1.41 2.45		Erro 1			
B21	1 HCM30	60.00 60.00	23.49	1292.08 3353.17	1.82 2.14		Erro 1			
B22	1 HCM30	60.00 60.00	31.80	-615.24 -3281.58	0.54 1.99		Erro 1			
B23	1 HCM30	60.00 60.00	30.88	-684.70 -3412.03	0.66 2.19		Erro 1			
B24	1 HCM30	60.00 60.00	27.88	-676.32 -3534.80	0.65 2.37		Erro 1			
B25	1	60.00	25.41	-679.03	0.66		Erro 1			

	HCM30	60.00		-3676.33	2.58					
B26	1 HCM30	60.00 60.00	25.42	678.92 3796.07	0.66 2.76		Erro 1			
B27	1 HCM30	60.00 60.00	25.29	-679.53 -3922.13	0.66 2.94		Erro 1			
B28	1 HCM30	60.00 60.00	23.92	-671.02 -4045.51	0.64 3.11		Erro 1			
B29	1 HCM30	60.00 60.00	22.94	-775.78 -4179.16	0.85 3.30		Erro 1			
B30	2 HCM30	150.00 60.00	15.25	-962.78 5052.25	1.51 4.83		Erro 1			
B31	1 HCM30	60.00 60.00	18.23	0.00 0.00	0.15 0.15		Erro 1			
B32	1 HCM30	60.00 60.00	38.13	0.00 0.00	1.97 0.30		Erro 1			
B33	1 HCM30	60.00 60.00	43.58	0.00 0.00	1.28 1.43		Erro 1			
B34	2 HCM30	150.00 60.00	16.29	-1395.28 -3705.45	2.38 4.82		Erro 1			
B35	1 HCM30	60.00 60.00	8.17	0.00 0.00	0.12 0.22		Erro 1			
B36	1 HCM30	60.00 60.00	25.46	0.00 0.00	0.06 0.39		Erro 1			
B37	1 HCM30	60.00 60.00	18.36	0.00 0.00	0.07 0.66		Erro 1			
B38	3 HCM30	159.28 137.94	100.15	0.00 0.00	0.34 1.75		Erro 1			
B39	3 HCM30	159.28 137.94	86.03	0.00 0.00	1.05 2.09		Erro 1			
B40	2 HCM30	150.00 60.00	29.48	-1238.48 -5584.65	1.67 9.09		Erro 1			
B41	1 HCM30	60.00 60.00	21.46	0.00 0.00	0.02 0.70		Erro 1			
B42	1 HCM30	60.00 60.00	35.12	0.00 0.00	0.66 0.49		Erro 1			
B43	3 HCM30	159.28 137.94	105.99	0.00 0.00	0.39 3.13		Erro 1			
B44	3 HCM30	159.28 137.94	88.53	0.00 0.00	0.79 3.10		Erro 1			
B45	2 HCM30	150.00 60.00	29.09	812.63 -5631.74	1.16 9.09		Erro 1			
B46	1 HCM30	60.00 60.00	14.36	0.00 0.00	0.35 0.24		Erro 1			
B47	1 HCM30	60.00 60.00	16.03	0.00 0.00	0.12 0.90		Erro 1			
B48	1 HCM30	60.00 60.00	33.47	0.00 0.00	0.13 2.33		Erro 1			
B49	2 HCM30	150.00 60.00	44.96	0.00 0.00	1.57 1.31		Erro 1			
B50	2 HCM30	150.00 60.00	16.57	1458.51 -5382.30	2.45 6.21		Erro 1			

As1:	Armadura principal na direção X	As2:	Armadura principal na direção Y
As3:	Estribo horizontal	As4:	Estribo vertical
As5:	Armadura superior na direção X	As6:	Armadura superior na direção Y
As7:	Armadura de distribuição		

Resultados dos Pilares

BALDRAME	fck = 300.00 kgf/cm ²	E = 268384 kgf/cm ²	Peso Espec = 2500.00 kgf/m ³
Lance 1		cobr = 3.00 cm	

Dados					Resultados					
Pilar	Seção (cm)	Nível Altura (cm)	lib lih	vínc vínc (cm)	Nd máx Nd mín (tf)	MBd topo MBd base (kgf.m)	MHd topo MHd base (kgf.m)	As b Ferro As h % armad total	Estribo Topo Base cota	Esb b Esb h
P1 1:20	25.00 X 70.00	0.00 180.00	171.00 171.00	RR RR	75.54 46.10	2851 0	19385 0	Erro D1		
P2 1:20	25.00 X 70.00	0.00 180.00	171.00 171.00	RR RR	133.06 77.51	288 0	31516 0	Erro D1		
P3 1:20	25.00 X 70.00	0.00 180.00	171.00 171.00	RR RR	124.78 72.76	368 0	28944 0	Erro D1		
P4 1:20	25.00 X 70.00	0.00 180.00	171.00 171.00	RR RR	126.15 73.35	332 0	28588 0	Erro D1		
P5 1:20	25.00 X 70.00	0.00 180.00	171.00 171.00	RR RR	126.14 73.17	338 0	27889 0	Erro D1		
P6 1:20	25.00 X 70.00	0.00 180.00	171.00 171.00	RR RR	126.41 73.16	339 0	27243 0	Erro D1		
P7 1:20	25.00 X 70.00	0.00 180.00	171.00 171.00	RR RR	126.68 73.13	331 0	26551 0	Erro D1		
P8 1:20	25.00 X 70.00	0.00 180.00	171.00 171.00	RR RR	120.50 68.70	294 0	24007 0	Erro D1		
P9 1:20	25.00 X 70.00	0.00 180.00	171.00 171.00	RR RR	128.74 73.02	636 0	25236 0	Erro D1		
P10 1:20	25.00 X 70.00	0.00 180.00	171.00 171.00	RR RR	65.98 38.13	2532 0	11512 0	Erro D1		
P11 1:20	25.00 X 40.00	0.00 180.00	162.00 162.00	RR RR	80.89 45.48	4805 2829	8700 6745	Erro D1		
P12 1:20	25.00 X 40.00	0.00 180.00	162.00 162.00	RR RR	138.16 73.59	698 715	16095 10405	Erro D1		
P13 1:20	25.00 X 40.00	0.00 180.00	162.00 162.00	RR RR	126.86 66.45	532 704	15054 9846	Erro D1		
P14 1:20	25.00 X 40.00	0.00 180.00	162.00 162.00	RR RR	126.79 65.29	686 906	15237 9899	Erro D1		
P15 1:20	25.00 X 40.00	0.00 180.00	162.00 162.00	RR RR	128.60 65.79	656 892	15256 9870	Erro D1		
P16 1:20	25.00 X 40.00	0.00 180.00	162.00 162.00	RR RR	129.55 65.63	658 892	15278 9844	Erro D1		
P17	25.00	0.00	162.00	RR	130.52	654	15281	Erro D1		

1:20	X 40.00	180.00	162.00	RR	65.45	891	9810			
P18 1:20	25.00 X 40.00	0.00 180.00	162.00 162.00	RR RR	121.90 58.68	603 865	14211 9299	Erro D1		
P19 1:20	25.00 X 40.00	0.00 180.00	162.00 162.00	RR RR	131.65 63.19	1120 1114	15243 9831	Erro D1		
P20 1:20	25.00 X 40.00	0.00 180.00	162.00 162.00	RR RR	75.48 36.16	3106 0	5404 0	Erro D1		
P21 1:20	25.00 X 50.00	0.00 180.00	165.00 165.00	RR RR	31.74 16.22	2417 1776	556 4580	Erro D1		
P22 1:20	25.00 X 50.00	0.00 180.00	165.00 165.00	RR RR	42.97 23.92	400 865	1116 4490	Erro D1		
P23 1:20	25.00 X 50.00	0.00 180.00	165.00 165.00	RR RR	41.72 22.15	587 958	1165 4677	Erro D1		
P24 1:20	25.00 X 50.00	0.00 180.00	165.00 165.00	RR RR	37.55 18.52	564 947	1234 4855	Erro D1		
P25 1:20	25.00 X 50.00	0.00 180.00	165.00 165.00	RR RR	34.11 15.20	571 951	1253 5059	Erro D1		
P26 1:20	25.00 X 50.00	0.00 180.00	165.00 165.00	RR RR	34.15 14.33	571 951	1338 5233	Erro D1		
P27 1:20	25.00 X 50.00	0.00 180.00	165.00 165.00	RR RR	33.99 13.33	573 952	1414 5415	Erro D1		
P28 1:20	25.00 X 50.00	0.00 180.00	165.00 165.00	RR RR	32.07 10.91	550 940	1575 5593	Erro D1		
P29 1:20	25.00 X 50.00	0.00 180.00	165.00 165.00	RR RR	30.80 10.00	871 1083	1821 5785	Erro D1		
P30 1:20	25.00 X 50.00	0.00 180.00	165.00 165.00	RR RR	20.39 12.01	2146 1315	4072 7001	Erro D1		
P31 1:20	25.00 X 25.00	0.00 180.00	157.50 157.50	RR RR	24.76 12.26	337 0	325 0	Erro D1		
P32 1:20	25.00 X 50.00	0.00 180.00	165.00 165.00	RR RR	51.71 23.75	714 0	4457 0	Erro D1		
P33 1:20	25.00 X 50.00	0.00 180.00	165.00 165.00	RR RR	59.51 35.68	2955 0	3347 0	Erro D1		
P34 1:20	20.00 X 50.00	0.00 180.00	165.00 165.00	RR RR	22.49 14.67	3503 1931	5910 5199	Erro D1		
P35 1:20	15.00 X 40.00	0.00 180.00	162.00 162.00	RR RR	11.09 1.78	265 0	487 0	Erro D1		
P36 1:20	20.00 X 50.00	0.00 180.00	165.00 165.00	RR RR	34.34 21.45	134 0	880 0	Erro D1		
P37 1:20	15.00 X 40.00	0.00 180.00	162.00 162.00	RR RR	25.01 11.77	163 0	1481 0	Erro D1		
P38 1:20	25.00 X 50.00	0.00 180.00	165.00 165.00	RR RR	136.37 80.66	795 0	3925 0	Erro D1		
P39 1:20	25.00 X	0.00 180.00	168.00 168.00	RR RR	117.48 68.89	2518 0	4818 0	Erro D1		

	60.00									
P40 1:20	20.00 X 50.00	0.00 180.00	165.00 RR 165.00 RR	40.64 27.46	2136 1721	13026 7730	Erro D1			
P41 1:20	15.00 X 40.00	0.00 180.00	162.00 RR 162.00 RR	29.22 13.24	42 0	1567 0	Erro D1			
P42 1:20	20.00 X 50.00	0.00 180.00	165.00 RR 165.00 RR	47.59 29.39	1495 0	1090 0	Erro D1			
P43 1:20	25.00 X 50.00	0.00 180.00	165.00 RR 165.00 RR	144.38 84.93	927 0	6990 0	Erro D1			
P44 1:20	25.00 X 60.00	0.00 180.00	168.00 RR 168.00 RR	120.87 70.44	1953 0	7128 0	Erro D1			
P45 1:20	20.00 X 50.00	0.00 180.00	165.00 RR 165.00 RR	40.11 27.06	1576 1147	12968 7795	Erro D1			
P46 1:20	15.00 X 40.00	0.00 180.00	162.00 RR 162.00 RR	19.57 6.43	772 0	513 0	Erro D1			
P47 1:20	25.00 X 25.00	0.00 180.00	157.50 RR 157.50 RR	21.80 10.68	262 0	1943 0	Erro D1			
P48 1:20	25.00 X 50.00	0.00 180.00	165.00 RR 165.00 RR	45.37 26.13	266 0	5254 0	Erro D1			
P49 1:20	25.00 X 50.00	0.00 180.00	165.00 RR 165.00 RR	61.38 36.62	3028 0	3651 0	Erro D1			
P50 1:20	20.00 X 50.00	0.00 180.00	165.00 RR 165.00 RR	22.87 14.96	3585 2017	6758 7462	Erro D1			

Vigas do pavimento BALDRAME

Viga	Vãos			Nós			Avisos
	Md (kgf.m)	As	Als	Md (kgf.m)	As	Als	
V1	3418.61	Erro D1		-3134.52 -3984.39	Erro D1		
V2	2399.51	Erro D1		-3601.68 -3195.13	Erro D1		
V3	2514.41	Erro D1		-3525.68 -3281.73	Erro D1		
V4	2497.63	Erro D1		-3531.87 -3269.85	Erro D1		
V5	2499.53	Erro D1		-3530.27 -3271.45	Erro D1		
V6	2503.52	Erro D1		-3534.71 -3272.98	Erro D1		
V7	2498.90	Erro D1		-3514.86 -3268.24	Erro D1		
V8	2364.64	Erro D1		-3433.67 -3313.95	Erro D1		
V9	3365.48	Erro D1		-4214.46 -2835.51	Erro D1		
V10	6307.40	Erro D1		-4680.39 -7635.98	Erro D1		
V11	4629.97	Erro D1		-6734.83 -5883.17	Erro D1		
V12	3693.18	Erro D1		-5218.60 -4823.16	Erro D1		
V13	3773.37	Erro D1		-4961.91 -4908.45	Erro D1		
V14	3767.35	Erro D1		-4976.12 -4903.38	Erro D1		
V15	3769.75	Erro D1		-4978.15 -4905.83	Erro D1		
V16	3779.14	Erro D1		-4970.97 -4915.78	Erro D1		
V17	3579.39	Erro D1		-4867.93 -5147.65	Erro D1		
V18	5133.48	Erro D1		-6092.22 -3055.05	Erro D1		
V19	2430.50	Erro D1		-2970.75 -3766.60	Erro D1		
V20	2038.73	Erro D1		-3489.24 -3338.47	Erro D1		
V21	2069.76	Erro D1		-3389.35 -3377.56	Erro D1		
V22	2065.99	Erro D1		-3399.56 -3374.87	Erro D1		
V23	2066.82	Erro D1		-3402.59 -3370.15	Erro D1		
V24	2066.60	Erro D1		-3402.12 -3371.09	Erro D1		
V25	2069.64	Erro D1		-3402.41 -3364.74	Erro D1		
V26	2032.91	Erro D1		-3359.64 -3482.84	Erro D1		
V27	2740.85	Erro D1		-4023.03 -3702.61	Erro D1		
V28	986.98 6433.92	Erro D1		-468.81 -9892.25	Erro D1		

				-3057.01 -10814.66			
V29	7811.06	Erro D1		-9833.70 -3520.71	Erro D1		
V30	38.21	Erro D1		-528.41	Erro D1		
V31	223.53	Erro D1		-213.21 -283.14	Erro D1		
V32	219.51 6495.72	Erro D1		-435.37 -9866.93 -13632.56	Erro D1		
V33	10164.10	Erro D1		-13514.74 -10479.07	Erro D1		
V34	98.49	Erro D1		-282.61	Erro D1		
V35	3966.58 8136.71	Erro D1		-3186.26 -14628.19 -15401.22	Erro D1		
V36	9878.28	Erro D1		-14134.78 -10375.71	Erro D1		
V37	168.75	Erro D1		-1582.42	Erro D1		
V38	1386.78 6492.76	Erro D1		-274.90 -9802.01 -2681.18 -11116.27	Erro D1		
V39	7859.52	Erro D1		-9679.24 -3603.36	Erro D1		
V40	0.11 17212.83	Erro D1		-7978.06 -23538.31 -20473.45	Erro D1		
V41	0.11 34032.74	Erro D1		-6789.81 -44922.68 -45136.32	Erro D1		
V42	0.11 31511.09	Erro D1		-6611.88 -41746.49 -42159.87	Erro D1		
V43	0.11 31867.79	Erro D1		-6510.69 -41986.08 -42955.36	Erro D1		
V44	39.11 31807.20	Erro D1		-6517.04 -41813.03 -43222.50	Erro D1		
V45	553.87 31813.02	Erro D1		-6408.86 -41731.27 -43574.15	Erro D1		
V46	1058.20 31756.00	Erro D1		-6315.99 -41577.94 -43839.87	Erro D1		
V47	1586.91 29095.52	Erro D1		-6189.01 -38056.13 -40230.02	Erro D1		
V48	2097.00 31496.61	Erro D1		-6091.12 -40800.28 -43702.46	Erro D1		
V49	1140.45	Erro D1		-1210.74 -176.30	Erro D1		
V50	848.39	Erro D1		-2189.56 -817.66	Erro D1		
V51	1595.01	Erro D1		-1714.77 -845.63	Erro D1		
V52	3097.45	Erro D1		-4693.53 -4051.51	Erro D1		
V53	933.95 1798.78 96.66	Erro D1		-3103.34 -3580.35 -2964.34	Erro D1		
V54	4311.90 1849.46 14333.19	Erro D1		-2883.62 -5280.74 -18345.92 -19226.76	Erro D1		

V55	2154.47 3024.53 2124.22	Erro D1		-402.12 -6045.37 -5167.11 -254.24	Erro D1		
V56	3215.26	Erro D1		-146.19 -134.55	Erro D1		
V57	7280.42 2028.82 7428.14	Erro D1		-6986.46 -7397.46 -8985.05 -5731.03	Erro D1		
V58	5796.51	Erro D1		-7147.27 -3756.48 -4278.46 -6312.18	Erro D1		

Esforços da Viga V1

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P1		25.0 0								2.49				
1	600. 00 575. 00	575. 00	300.0 0	0.00			0.0 0	- 0.8 3	3.7 8		3418. 61		- 3134. 52 - 3984. 39	- 0.19
P2		25.0 0								2.21				

Esforços da Viga V2

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P2		25.0 0								1.79				
1	600. 00 575. 00	575. 00	300.0 0	0.00			0.0 0	- 2.2 9	2.7 1		2399. 51		- 3601. 68 - 3195. 13	- 0.14
P3		25.0 0								1.83				

Esforços da Viga V3

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P3		25.0 0								1.87				
1	600. 00 575. 00	575. 00	300.0 0	0.00			0.0 0	- 3.8 6	2.7 8		2514. 41		- 3525. 68 - 3281. 73	- 0.14
P4		25.0 0								1.87				

Esforços da Viga V4

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P4		25.0 0								1.85				
1	600. 00 575. 00	575. 00	300.0 0	0.00			0.0 0	- 5.3 6	2.7 7		2497. 63		- 3531. 87 - 3269. 85	- 0.14
P5		25.0 0								1.87				

Esforços da Viga V5

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P5		25.0 0								1.86				
1	600. 00 575. 00	575. 00	300.0 0	0.00			0.0 0	- 6.4 9	2.7 7		2499. 53		- 3530. 27 - 3271. 45	- 0.14
P6		25.0 0								1.87				

Esforços da Viga V6

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P6		25.0 0								1.86				
1	600. 00 575. 00	575. 00	300.0 0	0.00			0.0 0	- 7.0 1	2.7 8		2503. 52		- 3534. 71 - 3272. 98	- 0.14
P7		25.0 0								1.87				

Esforços da Viga V7

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P7		25.0 0								1.85				
1	600. 00 575. 00	575. 00	300.0 0	0.00			0.0 0	- 6.6 2	2.8 0		2498. 90		- 3514. 86 - 3268. 24	- 0.14
P8		25.0 0								1.89				

Esforços da Viga V8

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P8		25.0 0								1.82				
1	600. 00 575. 00	575. 00	300.0 0	0.00			0.0 0	- 5.5 5	2.7 0		2364. 64		- 3433. 67 - 3313. 95	- 0.13
P9		25.0 0								1.81				

Esforços da Viga V9

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P9		25.0 0								2.20				
1	600. 01 575. 01	575. 01	300.0 0	0.00			0.0 0	- 2.5 7	3.6 7		3365. 48		- 4214. 46 - 2835. 51	- 0.18
P10		25.0 0								2.42				

Esforços da Viga V10

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (%)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P11		25.0 0								4.38				
1	600. 05 575. 05	575. 05	727.2 0	0.00			0.0 0	- 5.5 9	6.7 5		6307. 40		- 4680. 39 - 7635. 98	- 0.30
P12		25.0 0								4.25				

Esforços da Viga V11

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P12		25.0 0								3.59				
1	600. 00 575. 00	575. 00	727.2 0	0.00			0.0 0	- 20. 87	5.8 1		4629. 97		- 6734. 83 - 5883. 17	- 0.22
P13		25.0 0								3.80				

Esforços da Viga V12

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P13		25.0 0								2.56				
1	600. 00 575. 00	575. 00	300.0 0	0.00			0.0 0	- 37. 46	4.3 2		3693. 18		- 5218. 60 - 4823. 16	- 0.17
P14		25.0 0								2.72				

Esforços da Viga V13

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P14		25.0 0								2.53				
1	600. 00 575. 00	575. 00	300.0 0	0.00			0.0 0	- 53. 32	4.3 7		3773. 37		- 4961. 91 - 4908. 45	- 0.18
P15		25.0 0								2.76				

Esforços da Viga V14

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P15		25.0 0								2.53				
1	600. 00 575. 00	575. 00	300.0 0	0.00			0.0 0	- 65. 61	4.3 6		3767. 35		- 4976. 12 - 4903. 38	- 0.18
P16		25.0 0								2.76				

Esforços da Viga V15

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P16		25.0 0								2.53				
1	600. 00 575. 00	575. 00	300.0 0	0.00			0.0 0	- 71. 87	4.3 7		3769. 75		- 4978. 15 - 4905. 83	- 0.18
P17		25.0 0								2.76				

Esforços da Viga V16

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P17		25.0 0								2.53				
1	600. 00 575. 00	575. 00	300.0 0	0.00			0.0 0	- 71. 15	4.4 6		3779. 14		- 4970. 97 - 4915. 78	- 0.18
P18		25.0 0								2.83				

Esforços da Viga V17

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P18		25.0 0								2.54				
1	600. 00 575. 00	575. 00	300.0 0	0.00			0.0 0	- 60. 51	4.3 2		3579. 39		- 4867. 93 - 5147. 65	- 0.17
P19		25.0 0								2.74				

Esforços da Viga V18

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P19		25.0 0								3.04				
1	600. 13 575. 13	575. 13	300.0 0	0.00			0.0 0	- 45. 46	5.1 7		5133. 48		- 6092. 22 - 3055. 05	- 0.25
P20		25.0 0								3.26				

Esforços da Viga V19

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P21		25.0 0								2.36				
1	600. 00 575. 00	575. 00	250.0 0	0.00			11. 09	0.0 0	3.7 3		2430. 50		- 2970. 75 - 3766. 60	- 0.18
P22		25.0 0								2.35				

Esforços da Viga V20

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P22		25.0 0								2.36				
1	600. 00 575. 00	575. 00	250.0 0	0.00			28. 19	0.0 0	3.7 1		2038. 73		- 3489. 24 - 3338. 47	- 0.14
P23		25.0 0								2.34				

Esforços da Viga V21

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P23		25.0 0								2.35				
1	600. 00 575. 00	575. 00	250.0 0	0.00			47. 11	0.0 0	3.7 2		2069. 76		- 3389. 35 - 3377. 56	- 0.14
P24		25.0 0								2.36				

Esforços da Viga V22

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P24		25.0 0								2.35				
1	600. 00 575. 00	575. 00	250.0 0	0.00			65. 20	0.0 0	3.7 1		2065. 99		- 3399. 56 - 3374. 87	- 0.14
P25		25.0 0								2.36				

Esforços da Viga V23

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P25		25.0 0								2.35				
1	600. 00 575. 00	575. 00	250.0 0	0.00			79. 55	0.0 0	3.7 1		2066. 82		- 3402. 59 - 3370. 15	- 0.14
P26		25.0 0								2.36				

Esforços da Viga V24

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P26		25.0 0								2.35				
1	600. 00 575. 00	575. 00	250.0 0	0.00			88. 05	0.0 0	3.7 1		2066. 60		- 3402. 12 - 3371. 09	- 0.14
P27		25.0 0								2.36				

Esforços da Viga V25

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P27		25.0 0								2.35				
1	600. 00 575. 00	575. 00	250.0 0	0.00			88. 18	0.0 0	3.7 1		2069. 64		- 3402. 41 - 3364. 74	- 0.14
P28		25.0 0								2.36				

Esforços da Viga V26

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P28		25.0 0								2.33				
1	600. 00 575. 00	575. 00	250.0 0	0.00			77. 48	0.0 0	3.7 4		2032. 91		- 3359. 64 - 3482. 84	- 0.14
P29		25.0 0								2.37				

Esforços da Viga V27

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (%)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P29		25.0 0								2.61				
1	600. 02 575. 02	344. 95	250.0 0	0.00			59. 71	0.0 0	4.0 9		2740. 85	2695. 88	- 4023. 03	- 0.20
		15.0 0												- 0.19
2		215. 07	250.0 0	0.00			59. 65	0.0 0	5.2 1			2702. 81	- 3702. 61	
P30		25.0 0								3.27				

Esforços da Viga V28

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Tempera tura Caso T1 Caso T2 (°C)	Retra ção (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P31		25.0 0								0.69				
1	245. 55 215. 05	215. 05	375.0 0	0.00			0.0 0	- 9.8 1	3.2 0			986.9 8	- 468.81 - 3202.4 5	
P32		50.0 0								9.11				
2	692. 00 656. 00	40.0 0	802.2 0	0.00			7.1 6	0.0 0	10. 81				- 9892.2 5 - 3044.3 8	
		15.0 0												- 0.08
3		601. 00	802.2 0	0.00			5.7 2	- 1.0 2	9.3 4		6433. 92		- 3057.0 1 - 10814. 66	- 0.30
P33		50.0 0								6.26				

Esforços da Viga V29

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P33		50.0 0								9.66				
1	408. 00 380. 00	380. 00	300.0 0	0.00			6.1 5	0.0 0	13. 59		7811. 06		- 9833. 70 - 3520. 71	- 0.20
P34		20.0 0								6.50				

Esforços da Viga V30

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm óx (tf)	Mdm óx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P35		15.0 0								0.32				
1	187. 50 172. 50	172. 50	150.0 0	0.00			0.0 0	- 1.9 6	0.4 8		38.21	23.39	- 528.4 1	
		15.0 0												- 0.08

Esforços da Viga V31

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P36		20.0 0								0.12				
1	185. 00 167. 50	167. 50	150.0 0	0.00			2.1 4	0.0 0	0.4 5			223.5 3	- 213.2 1 - 283.1 4	
P37		15.0 0								0.28				

Esforços da Viga V32

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Tempera tura Caso T1 Caso T2 (°C)	Retra ção (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Per m. (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P37		15.0 0								0.37				
1	327. 55 305. 05	305. 05	187.5 0	0.00			5.9 3	0.0 0	0.6 0		219.5 1	14.07 165.5 2	- 435.37 - 690.90	
P38		50.0 0								7.11				
2	618. 50 591. 00	102. 55	614.7 0	0.00			4.9 7	0.0 0	10. 44			1713. 20	- 9866.9 3	
		15.0 0												- 0.34
3		473. 45	614.7 0	0.00			5.4 1	0.0 0	11. 48		6495. 72	1722. 77	- 13632. 56	- 0.60
P39		25.0 0								7.48				

Esforços da Viga V33

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Tempera tura Caso T1 Caso T2 (°C)	Retra ção (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Per m. (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	R d (tf)						
P39		25.0 0								20.6 6				
1	380. 50 350. 00	350. 00	300.0 0	0.00			10. 81	0.0 0	38. 88		10164 .10		- 13514 .74 - 10479 .07	- 0.24
P40		50.0 0								27.7 2				

Esforços da Viga V34

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
V50		20.0 0								0.10				
1	185. 00 167. 50	167. 50	150.0 0	0.00			0.0 0	- 2.5 8	0.3 6		98.49	52.84 46.27	- 282.6 1	
P41		15.0 0								0.24				

Esforços da Viga V35

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Tempera tura Caso T1 Caso T2 (°C)	Retra ção (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Per m. (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P42		20.0 0								3.44				
1		167. 50	614.7 0	0.00			3.8 7	0.0 0	5.2 3			3945. 56	- 3186.2 6	
		15.0 0												- 0.22
2		305. 05	187.5 0	0.00			3.6 6	0.0 0	2.8 0			3966. 58	- 3884.9 3	- 0.22
P43		50.0 0								12.6 8				
3	618. 50 591. 00	102. 55	614.7 0	0.00			8.6 3	0.0 0	16. 77			4870. 35	- 14628. 19	
		15.0 0												- 0.48
4		473. 45	614.7 0	0.00			7.6 2	0.0 0	12. 51		8136. 71	4860. 77	- 15401. 22	- 0.78
P44		25.0 0								8.14				

Esforços da Viga V36

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Tempera tura Caso T1 Caso T2 (°C)	Retra ção (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Per m. (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	R d (tf)						
P44		25.0 0								20.7 7				
1	380. 50 350. 00	350. 00	300.0 0	0.00			11. 47	0.0 0	38. 70		9878. 28		- 14134 .78 - 10375 .71	- 0.24
P45		50.0 0								27.6 1				

Esforços da Viga V37

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P46		15.0 0								1.52				
1	187. 50 172. 50	172. 50	577.2 0	0.00			0.0 0	- 1.7 0	2.2 7		168.7 5	61.16	- 1582. 42	
V52		15.0 0								0.33				

Esforços da Viga V38

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Tempera tura Caso T1 Caso T2 (°C)	Retra ção (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Per m. (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P47		25.0 0								0.00				
1	245. 55 215. 05	215. 05	375.0 0	0.00			2.2 6	- 1.0 9	2.5 3			1386. 78	- 274.90 - 3361.7 1	
P48		50.0 0								8.95				
2	692. 00 656. 00	40.0 0	802.2 0	0.00			3.9 6	- 0.2 6	11. 28				- 9802.0 1 - 2670.4 4	
		15.0 0												- 0.08
3		601. 00	802.2 0	0.00			5.1 0	- 1.9 4	9.4 2		6492. 76		- 2681.1 8 - 11116. 27	- 0.30
P49		50.0 0								6.31				

Esforços da Viga V39

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P49		50.0 0								9.66				
1	408. 00 380. 00	380. 00	300.0 0	0.00			5.5 1	0.0 0	13. 59		7859. 52		- 9679. 24 - 3603. 36	- 0.20
P50		20.0 0								6.59				

Esforços da Viga V40

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Tempera tura Caso T1 Caso T2 (°C)	Retra ção (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Per m. (kgf/ m)	Acid. (kgf/ m)			N d (tf)	R d (tf)						
P21		50.0 0								2.63				
1	229. 00 185. 00	185. 00	927.2 0	0.00			0.5 0	- 0.8 6	4.2 7				- 7978. 06 - 2969. 52	
P11		40.0 0								11.5 8				
2	919. 00 875. 00	875. 00	927.2 0	0.00			4.9 1	0.0 0	17. 70		17212 .83		- 23538 .31 - 20473 .45	- 0.60
P1		70.0 0								10.0 4				

Esforços da Viga V41

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Tempera tura Caso T1 Caso T2 (°C)	Retra ção (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Per m. (kgf/ m)	Acid. (kgf/ m)			N d (tf)	R d (tf)						
P22		50.0 0								0.20				
1	229. 00 185. 00	185. 00	927.2 0	0.00			0.0 0	- 3.2 2	4.7 1				- 6789. 81 - 11977 .59	
P12		40.0 0								26.9 0				
2	919. 00 875. 00	875. 00	927.2 0	0.00			3.8 6	0.0 0	37. 74		34032 .74		- 44922 .68 - 45136 .32	- 1.14
P2		70.0 0								20.8 1				

Esforços da Viga V42

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Tempera tura Caso T1 Caso T2 (°C)	Retra ção (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Per m. (kgf/ m)	Acid. (kgf/ m)			N d (tf)	R d (tf)						
P23		50.0 0								0.21				
1	229. 00 185. 00	185. 00	927.2 0	0.00			0.0 0	- 3.3 0	4.8 6				- 6611. 88 - 11372 .85	
P13		40.0 0								24.9 9				
2	919. 00 875. 00	875. 00	927.2 0	0.00			3.2 2	- 0.5 5	34. 77		31511 .09		- 41746 .49 - 42159 .87	- 1.06
P3		70.0 0								19.5 0				

Esforços da Viga V43

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Tempera tura Caso T1 Caso T2 (°C)	Retra ção (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Per m. (kgf/ m)	Acid. (kgf/ m)			N d (tf)	R d (tf)						
P24		50.0 0								0.07				
1	229. 00 185. 00	185. 00	927.2 0	0.00			0.0 0	- 3.5 6	5.4 4				- 6510. 69 - 11972 .64	
P14		40.0 0								25.2 6				
2	919. 00 875. 00	875. 00	927.2 0	0.00			2.7 8	- 0.9 9	34. 86		31867 .79		- 41986 .08 - 42955 .36	- 1.07
P4		70.0 0								19.7 3				

Esforços da Viga V44

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Tempera tura Caso T1 Caso T2 (°C)	Retra ção (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Per m. (kgf/ m)	Acid. (kgf/ m)			N d (tf)	R d (tf)						
P25		50.0 0								0.02				
1	229. 00 185. 00	185. 00	927.2 0	0.00			0.0 0	- 3.8 2	5.8 4			39.11	- 6517. 04 - 12268 .43	
P15		40.0 0								25.3 6				
2	919. 00 875. 00	875. 00	927.2 0	0.00			2.2 6	- 1.4 8	34. 81		31807 .20		- 41813 .03 - 43222 .50	- 1.06
P5		70.0 0								19.7 3				

Esforços da Viga V45

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Tempera tura Caso T1 Caso T2 (°C)	Retra ção (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Per m. (kgf/ m)	Acid. (kgf/ m)			N d (tf)	R d (tf)						
P26		50.0 0								0.00				
1	229. 00 185. 00	185. 00	927.2 0	0.00			0.0 0	- 4.1 5	6.3 6			553.8 7	- 6408. 86 - 12717 .05	
P16		40.0 0								25.5 7				
2	919. 00 875. 00	875. 00	927.2 0	0.00			1.8 2	- 2.0 5	34. 80		31813 .02		- 41731 .27 - 43574 .15	- 1.06
P6		70.0 0								19.7 8				

Esforços da Viga V46

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Tempera tura Caso T1 Caso T2 (°C)	Retra ção (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Per m. (kgf/ m)	Acid. (kgf/ m)			N d (tf)	R d (tf)						
P27		50.0 0								0.00				
1	229. 00 185. 00	185. 00	927.2 0	0.00			0.0 0	- 4.1 5	6.8 6			1058. 20	- 6315. 99 - 13125 .93	
P17		40.0 0								25.7 2				
2	919. 00 875. 00	875. 00	927.2 0	0.00			1.5 0	- 2.4 8	34. 74		31756 .00		- 41577 .94 - 43839 .87	- 1.06
P7		70.0 0								19.7 8				

Esforços da Viga V47

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Tempera tura Caso T1 Caso T2 (°C)	Retra ção (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Per m. (kgf/ m)	Acid. (kgf/ m)			N d (tf)	R d (tf)						
P28		50.0 0								0.00				
1	229. 00 185. 00	185. 00	500.0 0	0.00			0.0 0	- 6.0 3	6.0 6			1586. 91	- 6189. 01 - 12089 .78	
P18		40.0 0								22.7 8				
2	919. 00 875. 00	875. 00	500.0 0	0.00			1.5 8	- 4.1 1	31. 60		29095 .52		- 38056 .13 - 40230 .02	- 0.96
P8		70.0 0								17.6 9				

Esforços da Viga V48

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Tempera tura Caso T1 Caso T2 (°C)	Retra ção (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Per m. (kgf/ m)	Acid. (kgf/ m)			N d (tf)	R d (tf)						
P29		50.0 0								0.00				
1	229. 00 185. 00	185. 00	500.0 0	0.00			9.6 6	- 2.5 4	7.0 0			2097. 00	- 6091. 12 - 13600 .62	
P19		40.0 0								24.7 8				
2	919. 00 875. 00	875. 00	500.0 0	0.00			2.5 1	0.0 0	34. 05		31496 .61		- 40800 .28 - 43702 .46	- 1.04
P9		70.0 0								19.0 0				

Esforços da Viga V49

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P46		40.0 0								0.81				
1	148. 10 130. 10	130. 10	112.5 0	0.00			0.0 0	- 2.1 9	1.7 0			130.4 8 1140. 45	- 1210. 74 - 176.3 0	- 0.03
P42		50.0 0								0.00				

Esforços da Viga V50

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P42		50.0 0								1.32				
1	364. 90 334. 90	169. 90	250.0 0	0.00			0.0 0	- 4.2 1	2.1 9			608.0 6	- 2189. 56	
		15.0 0												- 0.03
2		150. 00	250.0 0	0.00			0.0 0	- 0.0 1	1.0 0		848.3 9	600.6 1 826.7 0	- 817.6 6	
P36		50.0 0								0.53				

Esforços da Viga V51

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P36		50.0 0								1.24				
1	185. 00 155. 00	155. 00	187.5 0	0.00			0.0 0	- 3.2 3	2.6 4			510.9 3 1595. 01	- 1714. 77 - 845.6 3	
P35		40.0 0								0.32				

Esforços da Viga V52

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P47		25.0 0								3.89				
1		205. 55	614.7 0	0.00			4.3 9	- 1.6 1	6.0 7			3084. 35	- 4693. 53	
		15.0 0												- 0.26
2	623. 05 595. 55	155. 10	614.7 0	0.00			4.7 1	- 1.0 6	3.2 7		3097. 45	3072. 65 491.2 0		- 0.27
		15.0 0												- 0.22
3		204. 90	614.7 0	0.00			15. 73	- 4.4 5	4.8 9		705.7 6	509.7 0	- 4051. 51	
P41		40.0 0								3.14				

Esforços da Viga V53

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Tempera tura Caso T1 Caso T2 (°C)	Retra ção (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Per m. (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P41		40.0 0								2.09				
1	170. 10 140. 10	140. 10	614.7 0	0.00			11. 98	- 7.9 6	3.9 1			933.9 5	- 3103. 34 - 989.0 7	
P37		40.0 0								3.53				
2		174. 90	614.7 0	0.00			26. 95	- 8.8 2	5.5 3		1798. 78	1795. 11	- 3580. 35	
		15.0 0												- 0.08
3		163. 25	614.7 0	0.00			23. 78	- 10. 98	4.0 2			1792. 48	- 2455. 04	
P31		25.0 0								4.06				
4	222. 50 200. 00	200. 00	614.7 0	0.00			39. 47	- 6.4 8	2.3 1			96.66	- 2964. 34	
V27		20.0 0								0.02				

Esforços da Viga V54

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Tempera tura Caso T1 Caso T2 (°C)	Retra ção (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Per m. (kgf/ m)	Acid. (kgf/ m)			N d (tf)	Rd (tf)						
P32		25.0 0								1.71				
1	206. 50 170. 00	170. 00	500.0 0	0.00			0.0 0	- 45. 50	4.1 6			1146. 24 4311. 90	- 2883. 62 - 2520. 58	
P30		50.0 0								0.07				
2	229. 52 185. 52	185. 52	500.0 0	0.00			0.0 0	- 19. 24	3.8 8			1849. 46	- 5280. 74 - 6246. 48	
P20		40.0 0								10.3 6				
3	918. 48 874. 48	874. 48	500.0 0	0.00			0.0 0	- 9.3 0	13. 97		14333 .19		- 18345 .92 - 19226 .76	- 0.48
P10		70.0 0								8.13				

Esforços da Viga V55

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
V38		25.0 0								2.23				
1	390. 65 365. 65	365. 65	614.7 0	0.00			0.1 8	- 6.3 3	5.3 5		2154. 47		- 402.1 2 - 4713. 13	- 0.15
P43		25.0 0								8.78				
2	410. 00 385. 00	385. 00	614.7 0	0.00			0.0 0	- 16. 59	8.8 1		3024. 53		- 6045. 37 - 5167. 11	- 0.16
P38		25.0 0								8.18				
3	393. 15 368. 15	368. 15	614.7 0	0.00			0.0 0	- 29. 77	6.0 0		2124. 22		- 5136. 64 - 254.2 4	- 0.14
V28		25.0 0								1.87				

Esforços da Viga V56

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e lo (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
V35		15.0 0								5.97				
1		2.50	150.0 0	0.00			0.8 3	0.0 0	9.2 3			783.6 7	- 146.1 9	
		0.00												- 0.51
2	400. 00 385. 00	190. 00	150.0 0	0.00			0.8 3	0.0 0	9.1 9		3215. 26	783.6 7 3160. 37		- 0.74
		0.00												- 0.73
3		192. 50	150.0 0	0.00			0.8 3	0.0 0	1.9 1			3160. 37	- 134.5 5	
V32		15.0 0								1.23				

Esforços da Viga V57

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P49		25.0 0								8.53				
1	406. 15 375. 65	375. 65	802.2 0	0.00			1.9 3	- 0.3 1	12. 43		7280. 42		- 6986. 46 - 7397. 46	- 0.17
P44		60.0 0								8.73				
2	331. 00 295. 00	295. 00	802.2 0	0.00			0.7 5	0.0 0	5.6 0		2028. 82	523.5 5	- 6206. 01 - 4120. 18	- 0.05
P39		60.0 0								8.45				
3	408. 65 378. 15	378. 15	802.2 0	0.00			0.8 2	- 1.9 5	11. 75		7428. 14		- 8985. 05 - 5731. 03	- 0.16
P33		25.0 0								8.10				

Esforços da Viga V58

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Tempera tura Caso T1 Caso T2 (°C)	Retra ção (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P50		50.0 0								9.29				
1		350. 65	300.0 0	0.00			7.5 1	0.0 0	13. 34		5367. 59		- 7147. 27 - 3756. 48	- 0.11
		20.0 0												- 0.02
2	1154. 80 1118. 80	375. 00	300.0 0	0.00			6.0 4	0.0 0	1.4 5		1057. 79		- 2684. 00 - 2567. 26	- 0.01
		20.0 0												- 0.02
3		353. 15	300.0 0	0.00			6.7 1	0.0 0	13. 07		5796. 51		- 4278. 46 - 6312. 18	- 0.12
P34		50.0 0								9.11				

Resultados da Viga V1

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P1	25.00			4 ø 8.0 1.80					0.05	
1	575.00	20.00 x 60.00	4 ø 8.0 1.80			ø 5.0 c/ 17		2x4 ø 6.3	0.06	0.19
P2	25.00			4 ø 8.0 1.80					0.08	

Resultados da Viga V2

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P2	25.00			4 ø 8.0 1.80					0.07	
1	575.00	20.00 x 60.00	4 ø 8.0 1.80			ø 5.0 c/ 17		2x4 ø 6.3	0.03	0.14
P3	25.00			4 ø 8.0 1.80					0.05	

Resultados da Viga V3

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P3	25.00			4 ø 8.0 1.80					0.07	
1	575.00	20.00 x 60.00	4 ø 8.0 1.80			ø 5.0 c/ 17		2x4 ø 6.3	0.03	0.14
P4	25.00			4 ø 8.0 1.80					0.06	

Resultados da Viga V4

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P4	25.00			4 ø 8.0 1.80					0.07	
1	575.00	20.00 x 60.00	4 ø 8.0 1.80			ø 5.0 c/ 17		2x4 ø 6.3	0.03	0.14
P5	25.00			4 ø 8.0 1.80					0.06	

Resultados da Viga V5

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P5	25.00			4 ø 8.0 1.80					0.07	
1	575.00	20.00 x 60.00	4 ø 8.0 1.80			ø 5.0 c/ 17		2x4 ø 6.3	0.03	0.14
P6	25.00			4 ø 8.0 1.80					0.06	

Resultados da Viga V6

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P6	25.00			4 ø 8.0 1.80					0.07	
1	575.00	20.00 x 60.00	4 ø 8.0 1.80			ø 5.0 c/ 17		2x4 ø 6.3	0.03	0.14
P7	25.00			4 ø 8.0 1.80					0.06	

Resultados da Viga V7

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P7	25.00			4 ø 8.0 1.80					0.06	
1	575.00	20.00 x 60.00	4 ø 8.0 1.80			ø 5.0 c/ 17		2x4 ø 6.3	0.03	0.14
P8	25.00			4 ø 8.0 1.80					0.06	

Resultados da Viga V8

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P8	25.00			4 ø 8.0 1.80					0.06	
1	575.00	20.00 x 60.00	4 ø 8.0 1.80			ø 5.0 c/ 17		2x4 ø 6.3	0.03	0.13
P9	25.00			4 ø 8.0 1.80					0.06	

Resultados da Viga V9

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P9	25.00			4 ø 8.0 1.80					0.09	
1	575.01	20.00 x 60.00	4 ø 8.0 1.80			ø 5.0 c/ 17		2x4 ø 6.3	0.06	0.18
P10	25.00			4 ø 8.0 1.80					0.04	

Resultados da Viga V10

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P11	25.00			4 ø 8.0 1.96					0.11	
1	575.05	20.00 x 60.00	6 ø 8.0 2.71			ø 5.0 c/ 17		2x4 ø 6.3	0.08	0.30
P12	25.00			4 ø 10.0 3.25					0.14	

Resultados da Viga V11

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P12	25.00			6 ø 8.0 2.90					0.08	
1	575.00	20.00 x 60.00	4 ø 8.0 1.94			ø 5.0 c/ 17		2x4 ø 6.3	0.11	0.22
P13	25.00			2 ø 12.5 2.49					0.19	

Resultados da Viga V12

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P13	25.00			3 ø 10.0 2.19					0.12	
1	575.00	20.00 x 60.00	4 ø 8.0 1.80			ø 5.0 c/ 17		2x4 ø 6.3	0.07	0.17
P14	25.00			4 ø 8.0 2.02					0.11	

Resultados da Viga V13

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P14	25.00			4 ø 8.0 2.08					0.12	
1	575.00	20.00 x 60.00	4 ø 8.0 1.80			ø 5.0 c/ 17		2x4 ø 6.3	0.07	0.18
P15	25.00			4 ø 8.0 2.06					0.12	

Resultados da Viga V14

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P15	25.00			4 ø 8.0 2.09					0.12	
1	575.00	20.00 x 60.00	4 ø 8.0 1.80			ø 5.0 c/ 17		2x4 ø 6.3	0.07	0.18
P16	25.00			4 ø 8.0 2.06					0.12	

Resultados da Viga V15

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P16	25.00			4 ø 8.0 2.09					0.12	
1	575.00	20.00 x 60.00	4 ø 8.0 1.80			ø 5.0 c/ 17		2x4 ø 6.3	0.07	0.18
P17	25.00			4 ø 8.0 2.06					0.12	

Resultados da Viga V16

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P17	25.00			4 ø 8.0 2.08					0.12	
1	575.00	20.00 x 60.00	4 ø 8.0 1.80			ø 5.0 c/ 17		2x4 ø 6.3	0.07	0.18
P18	25.00			4 ø 8.0 2.06					0.12	

Resultados da Viga V17

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P18	25.00			4 ø 8.0 2.04					0.12	
1	575.00	20.00 x 60.00	4 ø 8.0 1.80			ø 5.0 c/ 17		2x4 ø 6.3	0.06	0.17
P19	25.00			3 ø 10.0 2.16					0.12	

Resultados da Viga V18

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P19	25.00			2 ø 12.5 2.58					0.19	
1	575.13	20.00 x 60.00	3 ø 10.0 2.16			ø 5.0 c/ 17		2x4 ø 6.3	0.12	0.25
P20	25.00			4 ø 8.0 1.80					0.04	

Resultados da Viga V19

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P21	25.00			2 ø 10.0 1.52					0.13	
1	575.00	20.00 x 50.00	2 ø 10.0 1.50			ø 5.0 c/ 17			0.09	0.18
P22	25.00			4 ø 8.0 1.93					0.10	

Resultados da Viga V20

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P22	25.00			4 ø 8.0 1.78					0.09	
1	575.00	20.00 x 50.00	2 ø 10.0 1.50			ø 5.0 c/ 17			0.06	0.14
P23	25.00			4 ø 8.0 1.70					0.08	

Resultados da Viga V21

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P23	25.00			4 ø 8.0 1.73					0.08	
1	575.00	20.00 x 50.00	2 ø 10.0 1.50			ø 5.0 c/ 17			0.07	0.14
P24	25.00			4 ø 8.0 1.72					0.08	

Resultados da Viga V22

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P24	25.00			4 ø 8.0 1.74					0.09	
1	575.00	20.00 x 50.00	2 ø 10.0 1.50			ø 5.0 c/ 17			0.06	0.14
P25	25.00			4 ø 8.0 1.72					0.08	

Resultados da Viga V23

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P25	25.00			4 ø 8.0 1.74					0.09	
1	575.00	20.00 x 50.00	2 ø 10.0 1.50			ø 5.0 c/ 17			0.07	0.14
P26	25.00			4 ø 8.0 1.72					0.08	

Resultados da Viga V24

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P26	25.00			4 ø 8.0 1.74					0.09	
1	575.00	20.00 x 50.00	2 ø 10.0 1.50			ø 5.0 c/ 17			0.07	0.14
P27	25.00			4 ø 8.0 1.72					0.08	

Resultados da Viga V25

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P27	25.00			4 ø 8.0 1.74					0.09	
1	575.00	20.00 x 50.00	2 ø 10.0 1.50			ø 5.0 c/ 17			0.07	0.14
P28	25.00			4 ø 8.0 1.72					0.08	

Resultados da Viga V26

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P28	25.00			4 ø 8.0 1.71					0.08	
1	575.00	20.00 x 50.00	2 ø 10.0 1.50			ø 5.0 c/ 17			0.06	0.14
P29	25.00			4 ø 8.0 1.78					0.09	

Resultados da Viga V27

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P29	25.00			4 ø 8.0 2.06					0.12	
1	575.02	20.00 x 50.00	2 ø 10.0 1.50			ø 5.0 c/ 17			0.12	0.20
P30	25.00			4 ø 8.0 1.89					0.10	

Resultados da Viga V28

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P31	25.00			3 ø 10.0 2.25					0.00	
1	215.05	25.00 x 60.00	3 ø 10.0 2.25			ø 5.0 c/ 14		2x3 ø 8.0	0.00	0.02
P32	50.00			9 ø 8.0 4.28					0.07	
2	656.00	25.00 x 60.00	6 ø 8.0 2.70			ø 5.0 c/ 14		2x3 ø 8.0	0.10	0.30
P33	50.00			6 ø 10.0 4.67					0.08	

Resultados da Viga V29

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P33	50.00			9 ø 8.0 4.38					0.09	
1	380.00	20.00 x 60.00	7 ø 8.0 3.40			ø 5.0 c/ 17		2x4 ø 6.3	0.09	0.20
P34	20.00			4 ø 8.0 1.80					0.07	

Resultados da Viga V30

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

[illegible]

Resultados da Viga V31

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P36	20.00			2 ø 8.0 0.90					0.00	
1	167.50	15.00 x 40.00	2 ø 8.0 0.90			ø 5.0 c/ 21			0.00	0.02
P37	15.00			2 ø 8.0 0.90					0.00	

Resultados da Viga V32

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P37	15.00			3 ø 8.0 1.13					0.00	
1	305.05	15.00 x 50.00	3 ø 8.0 1.13			ø 5.0 c/ 23			0.00	0.05
P38	50.00			8 ø 10.0 6.21					0.12	
2	591.00	15.00 x 50.00	3 ø 12.5 3.56		ø 5.0 c/ 15 110.00	ø 5.0 c/ 23	ø 5.0 c/ 12 110.00		0.11	0.60
P39	25.00			4 ø 16.0 8.43					0.11	

Resultados da Viga V33

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P39	25.00			3 ø 16.0 5.96					0.19	
1	350.00	20.00 x 60.00	6 ø 10.0 4.47		ø 6.3 c/ 7 78.00	ø 5.0 c/ 16	ø 8.0 c/ 7 59.00	2x4 ø 6.3	0.08	0.24
P40	50.00			6 ø 10.0 4.61					0.08	

Resultados da Viga V34

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
V50	20.00								0.00	
1	167.50	15.00 x 40.00	2 ø 8.0 0.90			ø 5.0 c/ 21			0.00	0.03
P41	15.00			2 ø 8.0 0.90					0.00	

Resultados da Viga V35

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P42	20.00			2 ø 10.0 1.64					0.16	
1	487.55	15.00 x 50.00	4 ø 8.0 2.09			ø 5.0 c/ 23			0.08	0.22
P43	50.00			3 ø 20.0 9.11					0.09	
2	591.00	15.00 x 50.00	6 ø 10.0 4.64		ø 5.0 c/ 5 140.00	ø 5.0 c/ 23	ø 5.0 c/ 10 120.00		0.07	0.78
P44	25.00		2 ø 10.0 0.37	5 ø 16.0 10.05					0.10	

Resultados da Viga V36

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P44	25.00			5 ø 12.5 6.32					0.08	
1	350.00	20.00 x 60.00	9 ø 8.0 4.40		ø 6.3 c/ 6 78.00	ø 5.0 c/ 16	ø 8.0 c/ 7 59.00	2x4 ø 6.3	0.09	0.24
P45	50.00			6 ø 10.0 4.57					0.08	

Resultados da Viga V37

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

[illegible]

Resultados da Viga V38

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P47	25.00			3 ø 10.0 2.25					0.00	
1	215.05	25.00 x 60.00	3 ø 10.0 2.25			ø 5.0 c/ 14		2x3 ø 8.0	0.01	0.02
P48	50.00			2 ø 16.0 4.20					0.27	
2	656.00	25.00 x 60.00	6 ø 8.0 2.73			ø 5.0 c/ 14		2x3 ø 8.0	0.10	0.30
P49	50.00			4 ø 12.5 4.77					0.18	

Resultados da Viga V39

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P49	50.00			2 ø 16.0 4.18					0.30	
1	380.00	20.00 x 60.00	7 ø 8.0 3.42			ø 5.0 c/ 17		2x4 ø 6.3	0.09	0.20
P50	20.00			4 ø 8.0 1.80					0.07	

Resultados da Viga V40

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P21	50.00			4 ø 10.0 3.00					0.08	
1	185.00	25.00 x 80.00	4 ø 10.0 3.00			ø 5.0 c/ 14		2x4 ø 8.0	0.00	0.04
P11	40.00		3 ø 8.0 1.29	7 ø 12.5 8.88					0.07	
2	875.00	25.00 x 80.00	9 ø 10.0 6.76	3 ø 8.0 1.29		ø 5.0 c/ 5		2x4 ø 8.0	0.05	0.60
P1	70.00		3 ø 8.0 1.29	4 ø 16.0 7.78					0.14	

Resultados da Viga V41

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P22	50.00			4 ø 10.0 3.00					0.06	
1	185.00	25.00 x 80.00	4 ø 10.0 3.00			ø 5.0 c/ 14		2x4 ø 8.0	0.00	0.06
P12	40.00			5 ø 20.0 15.33					0.08	
2	875.00	25.00 x 80.00	9 ø 12.5 11.34		ø 5.0 c/ 5 120.00	ø 5.0 c/ 14	ø 5.0 c/ 7 160.00	2x4 ø 8.0	0.08	1.14
P2	70.00			5 ø 20.0 15.42					0.08	

Resultados da Viga V42

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P23	50.00			4 ø 10.0 3.00					0.05	
1	185.00	25.00 x 80.00	4 ø 10.0 3.00			ø 5.0 c/ 14		2x4 ø 8.0	0.00	0.06
P13	40.00			7 ø 16.0 14.14					0.07	
2	875.00	25.00 x 80.00	5 ø 16.0 10.23		ø 5.0 c/ 6 120.00	ø 5.0 c/ 14	ø 5.0 c/ 8 110.00	2x4 ø 8.0	0.14	1.06
P3	70.00			7 ø 16.0 14.29					0.07	

Resultados da Viga V43

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P24	50.00			4 ø 10.0 3.00					0.04	
1	185.00	25.00 x 80.00	4 ø 10.0 3.00			ø 5.0 c/ 14		2x4 ø 8.0	0.00	0.05
P14	40.00			7 ø 16.0 14.23					0.07	
2	875.00	25.00 x 80.00	5 ø 16.0 10.36		ø 5.0 c/ 6 120.00	ø 5.0 c/ 14	ø 5.0 c/ 8 110.00	2x4 ø 8.0	0.14	1.07
P4	70.00			12 ø 12.5 14.90					0.07	

Resultados da Viga V44

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P25	50.00			4 ø 10.0 3.00					0.04	
1	185.00	25.00 x 80.00	4 ø 10.0 3.00			ø 5.0 c/ 14		2x4 ø 8.0	0.00	0.06
P15	40.00			7 ø 16.0 14.16					0.07	
2	875.00	25.00 x 80.00	5 ø 16.0 10.34		ø 5.0 c/ 6 120.00	ø 5.0 c/ 14	ø 5.0 c/ 8 110.00	2x4 ø 8.0	0.14	1.06
P5	70.00			12 ø 12.5 15.00					0.07	

Resultados da Viga V45

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P26	50.00			4 ø 10.0 3.00					0.03	
1	185.00	25.00 x 80.00	4 ø 10.0 3.00			ø 5.0 c/ 14		2x4 ø 8.0	0.00	0.06
P16	40.00			7 ø 16.0 14.13					0.07	
2	875.00	25.00 x 80.00	5 ø 16.0 10.34		ø 5.0 c/ 6 120.00	ø 5.0 c/ 14	ø 5.0 c/ 8 110.00	2x4 ø 8.0	0.14	1.06
P6	70.00			12 ø 12.5 15.14					0.07	

Resultados da Viga V46

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P27	50.00			4 ø 10.0 3.00					0.03	
1	185.00	25.00 x 80.00	4 ø 10.0 3.00			ø 5.0 c/ 14		2x4 ø 8.0	0.00	0.06
P17	40.00			7 ø 16.0 14.07					0.07	
2	875.00	25.00 x 80.00	5 ø 16.0 10.32		ø 5.0 c/ 6 120.00	ø 5.0 c/ 14	ø 5.0 c/ 8 110.00	2x4 ø 8.0	0.14	1.06
P7	70.00			12 ø 12.5 15.24					0.07	

Resultados da Viga V47

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P28	50.00			4 ø 10.0 3.00					0.02	
1	185.00	25.00 x 80.00	4 ø 10.0 3.00			ø 5.0 c/ 14		2x4 ø 8.0	0.00	0.05
P18	40.00			4 ø 20.0 12.60					0.17	
2	875.00	25.00 x 80.00	3 ø 20.0 9.43		ø 6.3 c/ 12 110.00	ø 6.3 c/ 22	ø 6.3 c/ 16 110.00	2x4 ø 8.0	0.23	0.96
P8	70.00			11 ø 12.5 13.76					0.07	

Resultados da Viga V48

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P29	50.00			4 ø 10.0 3.00					0.02	
1	185.00	25.00 x 80.00	4 ø 10.0 3.00			ø 5.0 c/ 14		2x4 ø 8.0	0.00	0.06
P19	40.00			7 ø 16.0 13.78					0.07	
2	875.00	25.00 x 80.00	5 ø 16.0 10.23		ø 5.0 c/ 6 120.00	ø 5.0 c/ 14	ø 5.0 c/ 8 110.00	2x4 ø 8.0	0.14	1.04
P9	70.00			12 ø 12.5 15.19					0.07	

Resultados da Viga V49

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P46	40.00			3 ø 8.0 1.10					0.03	
1	130.10	15.00 x 30.00	2 ø 8.0 1.04			ø 5.0 c/ 15			0.06	0.03
P42	50.00			2 ø 8.0 0.68					0.00	

Resultados da Viga V50

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P42	50.00			2 ø 10.0 1.50					0.04	
1	334.90	20.00 x 50.00	2 ø 10.0 1.50			ø 5.0 c/ 17			0.01	0.03
P36	50.00			2 ø 10.0 1.50					0.00	

Resultados da Viga V51

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P36	50.00			3 ø 8.0 1.13					0.02	
1	155.00	15.00 x 50.00	3 ø 8.0 1.13			ø 5.0 c/ 23			0.01	0.01
P35	40.00			3 ø 8.0 1.13					0.00	

Resultados da Viga V52

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P47	25.00			2 ø 12.5 2.46					0.17	
1	595.55	15.00 x 50.00	2 ø 10.0 1.59			ø 5.0 c/ 23			0.15	0.27
P41	40.00			3 ø 10.0 2.15					0.11	

Resultados da Viga V53

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

[illegible]

Resultados da Viga V54

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P32	25.00			4 ø 10.0 3.00					0.00	
1	170.00	25.00 x 80.00	4 ø 10.0 3.00			ø 5.0 c/ 14		2x4 ø 8.0	0.01	0.02
P30	50.00			4 ø 10.0 3.00					0.01	
2	185.52	25.00 x 80.00	4 ø 10.0 3.00			ø 5.0 c/ 14		2x4 ø 8.0	0.00	0.03
P20	40.00		3 ø 8.0 1.20	9 ø 10.0 7.07					0.07	
3	874.48	25.00 x 80.00	7 ø 10.0 5.69	3 ø 8.0 1.20		ø 5.0 c/ 5		2x4 ø 8.0	0.06	0.48
P10	70.00		3 ø 8.0 1.20	6 ø 12.5 7.31					0.06	

Resultados da Viga V55

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
V38	25.00			3 ø 8.0 1.13					0.00	
1	365.65	15.00 x 50.00	3 ø 8.0 1.13			ø 5.0 c/ 23			0.06	0.15
P43	25.00			7 ø 8.0 3.36					0.07	
2	385.00	15.00 x 50.00	2 ø 10.0 1.55			ø 5.0 c/ 23			0.13	0.16
P38	25.00			6 ø 8.0 2.80					0.07	
3	368.15	15.00 x 50.00	3 ø 8.0 1.13			ø 5.0 c/ 23			0.06	0.14
V28	25.00			3 ø 8.0 1.13					0.00	

Resultados da Viga V56

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
V35	15.00			2 ø 8.0 0.90					0.00	
1	385.00	15.00 x 40.00	3 ø 10.0 2.16		ø 5.0 c/ 7 100.00	ø 5.0 c/ 21			0.11	0.74
V32	15.00			2 ø 8.0 0.90					0.00	

Resultados da Viga V57

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P49	25.00			4 ø 10.0 2.94					0.12	
1	375.65	25.00 x 60.00	4 ø 10.0 3.07			ø 5.0 c/ 14		2x3 ø 8.0	0.17	0.17
P44	60.00			4 ø 10.0 3.12					0.13	
2	295.00	25.00 x 60.00	3 ø 10.0 2.25			ø 5.0 c/ 14		2x3 ø 8.0	0.02	0.05
P39	60.00			3 ø 12.5 3.82					0.18	
3	378.15	25.00 x 60.00	4 ø 10.0 3.13			ø 5.0 c/ 14		2x3 ø 8.0	0.18	0.16
P33	25.00			2 ø 12.5 2.41					0.15	

Resultados da Viga V58

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P50	50.00			4 ø 10.0 3.03					0.13	
1	1118.80	20.00 x 60.00	2 ø 12.5 2.45			ø 5.0 c/ 17		2x4 ø 6.3	0.20	0.12
P34	50.00			6 ø 8.0 2.71					0.07	

Dados das Lajes

BALDRAME	fck = 300.00 kgf/cm²	E = 268384 kgf/cm²	Peso Espec = 2500.00 kgf/m³
Lance 1		cobr (externo) = 3.00 cm cobr (contato solo) = 3.00 cm	

Seção (cm)						Cargas (kgf/m²)				Temperatura Caso T1 Caso T2 (°C)	Retração o Deform. X Deform. Y (‰)
Laje	Tipo	H	ee ec	enx eny	eex eey	Peso Próprio	Acidental Revestimento	Paredes Outras	Total		
L1	Nervurada	25	20.0 0 5.00	12.5 0 12.5 0	67.50 67.50	285.13	300.00 181.50	0.00 0.00	766.63		
L2	Nervurada	25	20.0 0 5.00	12.5 0 12.5 0	67.50 67.50	285.13	300.00 181.50	0.00 0.00	766.63		
L3	Nervurada	25	20.0 0 5.00	12.5 0 12.5 0	67.50 67.50	285.13	300.00 181.50	0.00 0.00	766.63		
L4	Nervurada	25	20.0 0 5.00	12.5 0 12.5 0	67.50 67.50	285.13	300.00 181.50	0.00 0.00	766.63		
L5	Nervurada	25	20.0 0 5.00	12.5 0 12.5 0	67.50 67.50	285.13	300.00 181.50	0.00 0.00	766.63		
L6	Nervurada	25	20.0 0 5.00	12.5 0 12.5 0	67.50 67.50	285.13	300.00 181.50	0.00 0.00	766.63		
L7	Nervurada	25	20.0 0 5.00	12.5 0 12.5 0	67.50 67.50	285.13	300.00 181.50	0.00 0.00	766.63		
L8	Nervurada	25	20.0 0 5.00	12.5 0 12.5 0	67.50 67.50	285.13	300.00 181.50	0.00 0.00	766.63		
L9	Nervurada	25	20.0 0 5.00	12.5 0 12.5 0	67.50 67.50	285.13	300.00 181.50	0.00 0.00	766.63		
L10	Treliçada 1D	15	10.0 0 5.00	9.00	40.00	172.55	300.00 154.50	0.00 0.00	627.05		
L11	Treliçada 1D	15	10.0 0 5.00	9.00	40.00	172.55	300.00 154.50	0.00 0.00	627.05		
L12	Treliçada 1D	15	10.0 0 5.00	9.00	40.00	172.55	300.00 154.50	0.00 0.00	627.05		
L13	Treliçada	1	10.0	9.00	40.00	172.55	300.00	0.00	627.05		

	1D	5	0 5.00				154.50	0.00			
L14	Treliçada 1D	1 5	10.0 0 5.00	9.00	40.00	172.55	300.00 154.50	0.00 0.00	627.05		
L15	Treliçada 1D	1 5	10.0 0 5.00	9.00	40.00	172.55	300.00 154.50	0.00 0.00	627.05		
L16	Treliçada 1D	1 5	10.0 0 5.00	9.00	40.00	172.55	300.00 154.50	0.00 0.00	627.05		
L17	Treliçada 1D	1 5	10.0 0 5.00	9.00	40.00	172.55	300.00 154.50	0.00 0.00	627.05		
L18	Treliçada 1D	1 5	10.0 0 5.00	9.00	40.00	172.55	300.00 154.50	0.00 0.00	627.05		
L19	Treliçada 1D	1 5	10.0 0 5.00	9.00	40.00	172.55	300.00 154.50	0.00 0.00	627.05		
L20	Treliçada 1D	1 5	10.0 0 5.00	9.00	40.00	172.55	300.00 154.50	0.00 0.00	627.05		
L21	Treliçada 1D	1 5	10.0 0 5.00	9.00	40.00	172.55	200.00 168.75	0.00 0.00	541.30		
L22	Maciça	2 0				500.00	150.00 100.00	3327.8 3 0.00	4077.8 3		
L24	Treliçada 1D	1 5	10.0 0 5.00	9.00	40.00	172.55	300.00 154.50	0.00 0.00	627.05		
L25	Treliçada 1D	1 5	10.0 0 5.00	9.00	40.00	172.55	300.00 154.50	0.00 0.00	627.05		
L26	Treliçada 1D	1 7	12.0 0 5.00	9.00 9.00	400.0 0 40.00	187.41	200.00 154.50	0.00 0.00	541.91		
L27	Maciça	2 0				500.00	150.00 100.00	0.00 1500.0 0	2250.0 0		
L28	Treliçada 1D	1 5	10.0 0 5.00	9.00	40.00	172.55	200.00 154.50	0.00 0.00	527.05		
L29	Treliçada 1D	1 5	10.0 0 5.00	9.00	40.00	172.55	200.00 154.50	0.00 0.00	527.05		
L30	Treliçada 1D	1 5	10.0 0 5.00	9.00	40.00	172.55	300.00 154.50	0.00 0.00	627.05		
L31	Treliçada 1D	1 5	10.0 0 5.00	9.00	40.00	172.55	200.00 168.75	0.00 0.00	541.30		
L32	Maciça	2 0				500.00	150.00 100.00	3348.6 0 0.00	4098.6 0		
L33	Treliçada 1D	1 5	10.0 0 5.00	9.00	40.00	172.55	200.00 154.50	0.00 0.00	527.05		

Resultados da Laje

BALDRAME	fck = 300.00 kgf/cm ²	E = 268384 kgf/cm ²	Peso Espec = 2500.00 kgf/m ³
Lance 1		cobr (externo) = 3.00 cm cobr (contato solo) = 3.00 cm	

Nome	Espessura (cm)	Carga (kgf/m ²)	Mdx (kgf.m/m)	Mdy (kgf.m/m)	Asx	Asy	Flecha (cm)
L1	25	766.63	2635	1421	As = 2.41 cm ² /N (3ø10.0 c/N - 2.36 cm ² /N)	As = 1.34 cm ² /N (3ø8.0 c/N - 1.51 cm ² /N)	-1.31
L2	25	766.63	1515	1336	As = 1.36 cm ² /N (3ø8.0 c/N - 1.51 cm ² /N)	As = 1.21 cm ² /N (1ø12.5 c/N - 1.23 cm ² /N)	-1.03
L3	25	766.63	1624	1279	As = 1.46 cm ² /N (3ø8.0 c/N - 1.51 cm ² /N)	As = 1.15 cm ² /N (1ø12.5 c/N - 1.23 cm ² /N)	-1.07
L4	25	766.63	1610	1284	As = 1.45 cm ² /N (3ø8.0 c/N - 1.51 cm ² /N)	As = 1.16 cm ² /N (1ø12.5 c/N - 1.23 cm ² /N)	-1.06
L5	25	766.63	1611	1283	As = 1.45 cm ² /N (3ø8.0 c/N - 1.51 cm ² /N)	As = 1.16 cm ² /N (1ø12.5 c/N - 1.23 cm ² /N)	-1.06
L6	25	766.63	1617	1284	As = 1.45 cm ² /N (3ø8.0 c/N - 1.51 cm ² /N)	As = 1.16 cm ² /N (1ø12.5 c/N - 1.23 cm ² /N)	-1.07
L7	25	766.63	1634	1279	As = 1.47 cm ² /N (3ø8.0 c/N - 1.51 cm ² /N)	As = 1.15 cm ² /N (1ø12.5 c/N - 1.23 cm ² /N)	-1.04
L8	25	766.63	1493	1221	As = 1.34 cm ² /N (3ø8.0 c/N - 1.51 cm ² /N)	As = 1.10 cm ² /N (1ø12.5 c/N - 1.23 cm ² /N)	-0.96
L9	25	766.63	2716	1338	As = 2.38 cm ² /N (2ø12.5 c/N - 2.45 cm ² /N)	As = 1.23 cm ² /N (1ø12.5 c/N - 1.23 cm ² /N)	-1.24
L10	15	627.05	457		As = 0.50 cm ² /N (TR 10644 - 0.28 cm ² /N) (1ø6.3 c/N - 0.31 cm ² /N)		-0.24
L11	15	627.05	426		As = 0.50 cm ² /N (TR 10644 - 0.28 cm ² /N) (1ø6.3 c/N - 0.31 cm ² /N)		-0.17
L12	15	627.05	426		As = 0.50 cm ² /N (TR 10644 - 0.28 cm ² /N) (1ø6.3 c/N - 0.31 cm ² /N)		-0.15
L13	15	627.05	426		As = 0.50 cm ² /N (TR 10644 - 0.28 cm ² /N) (1ø6.3 c/N - 0.31 cm ² /N)		-0.16
L14	15	627.05	426		As = 0.50 cm ² /N (TR 10644 - 0.28 cm ² /N) (1ø6.3 c/N - 0.31 cm ² /N)		-0.16

					cm ² /N)		
L15	15	627.05	426		As = 0.50 cm ² /N (TR 10644 - 0.28 cm ² /N) (1ø6.3 c/N - 0.31 cm ² /N)		-0.16
L16	15	627.05	426		As = 0.50 cm ² /N (TR 10644 - 0.28 cm ² /N) (1ø6.3 c/N - 0.31 cm ² /N)		-0.16
L17	15	627.05	426		As = 0.50 cm ² /N (TR 10644 - 0.28 cm ² /N) (1ø6.3 c/N - 0.31 cm ² /N)		-0.15
L18	15	627.05	426		As = 0.50 cm ² /N (TR 10644 - 0.28 cm ² /N) (1ø6.3 c/N - 0.31 cm ² /N)		-0.22
L19	15	627.05	505		As = 0.50 cm ² /N (TR 20745 - 0.39 cm ² /N) (1ø5.0 c/N - 0.20 cm ² /N)		-0.16
L20	15	627.05	1118		As = 0.95 cm ² /N (TR 10644 - 0.28 cm ² /N) (1ø10.0 c/N - 0.79 cm ² /N)		-0.46
L21	15	541.30	1478		As = 1.26 cm ² /N (TR 10644 - 0.28 cm ² /N) (2ø8.0 c/N - 1.01 cm ² /N)		-1.19
L22	20	4077.83	6038	5973	As = 9.08 cm ² /m (ø12.5 c/13 - 9.44 cm ² /m)	As = 9.99 cm ² /m (ø16.0 c/20 - 10.05 cm ² /m)	-0.48
L24	15	627.05	598		As = 0.50 cm ² /N (TR 10644 - 0.28 cm ² /N) (1ø6.3 c/N - 0.31 cm ² /N)		-0.23
L25	15	627.05			As = 0.50 cm ² /N (TR 10644 - 0.28 cm ² /N) (1ø6.3 c/N - 0.31 cm ² /N)		-0.31
L26	17	541.91	1582	155	As = 1.17 cm ² /N (TR 12645 - 0.39 cm ² /N) (1ø10.0 c/N - 0.79 cm ² /N)	As = 1.10 cm ² /N (1ø12.5 c/N - 1.23 cm ² /N)	-1.01
L27	20	2250.00	673	1983	As = 2.01 cm ² /m (ø6.3 c/15 - 2.08 cm ² /m)	As = 2.92 cm ² /m (ø8.0 c/17 - 2.96 cm ² /m)	-0.19
L28	15	527.05	276		As = 0.50 cm ² /N (TR 10644 - 0.28 cm ² /N) (1ø6.3 c/N - 0.31 cm ² /N)		-0.16
L29	15	527.05	247		As = 0.50 cm ² /N (TR 20745 - 0.39 cm ² /N) (1ø5.0 c/N - 0.20 cm ² /N)		-0.21

L30	15	627.05	1110		As = 0.94 cm ² /N (TR 10644 - 0.28 cm ² /N) (1ø10.0 c/N - 0.79 cm ² /N)		-0.52
L31	15	541.30	1465		As = 1.25 cm ² /N (TR 10644 - 0.28 cm ² /N) (2ø8.0 c/N - 1.01 cm ² /N)		-1.19
L32	20	4098.60	6027	5976	As = 9.06 cm ² /m (ø12.5 c/13 - 9.44 cm ² /m)	As = 9.99 cm ² /m (ø16.0 c/20 - 10.05 cm ² /m)	-0.47
L33	15	527.05	314		As = 0.50 cm ² /N (TR 20745 - 0.39 cm ² /N) (1ø5.0 c/N - 0.20 cm ² /N)		-0.07

ARMADURA NEGATIVA							
Dados				Resultados			
Viga	Trecho	Laje 1	Laje 2	Reação 1 (kgf.m/m)	Reação 2 (kgf.m/m)	Md (kgf.m/m)	As (cm ²)
V45	2	L6	L5	1861	1778	-3177	As = 3.95 cm ² /m (ø10.0 c/19 - 4.13 cm ² /m)
V46	2	L6	L7	1775	1858	-3177	As = 3.95 cm ² /m (ø10.0 c/19 - 4.13 cm ² /m)
V47	2	L7	L8	1769	1823	-3060	As = 3.76 cm ² /m (ø8.0 c/13 - 3.87 cm ² /m)
V48	2	L8	L9	1824	2073	-3480	As = 4.36 cm ² /m (ø6.3 c/7 - 4.45 cm ² /m)
V54	3	L9		1359		-1171	As = 1.30 cm ² /m (ø6.3 c/20 - 1.56 cm ² /m)
V55	2	L25	L24	773	990	-1231	As = 2.92 cm ² /m (ø8.0 c/17 - 2.96 cm ² /m)
V41	2	L1	L2	2019	1940	-3765	As = 4.87 cm ² /m (ø10.0 c/16 - 4.91 cm ² /m)
V40	2	L1		1430		-1404	As = 1.58 cm ² /m (ø6.3 c/19 - 1.64 cm ² /m)
V42	2	L2	L3	1757	1855	-3229	As = 4.03 cm ² /m (ø10.0 c/19 - 4.13 cm ² /m)
V43	2	L3	L4	1780	1859	-3170	As = 3.90 cm ² /m (ø6.3 c/8 - 3.90 cm ² /m)
V44	2	L4	L5	1777	1858	-3176	As = 3.95 cm ² /m (ø10.0 c/19 - 4.13 cm ² /m)
V33	1	L22	L27	7890	4457	-6839	As = 10.53 cm ² /m (ø16.0 c/19 - 10.58 cm ² /m)
V36	1	L27	L32	4443	7902	-6818	As = 10.49 cm ² /m (ø16.0 c/19 - 10.58 cm ² /m)

Pavimento SUPERIOR

Resultados dos Pilares

SUPERIOR	fck = 300.00 kgf/cm ²	E = 268384 kgf/cm ²	Peso Espec = 2500.00 kgf/m ³
Lance 2		cobr = 3.00 cm	

Dados					Resultados					
Pilar	Seção (cm)	Nível Altura (cm)	lib lih	vínc vínc (cm)	Nd máx Nd mín (tf)	MBd topo MBd base (kgf.m)	MHd topo MHd base (kgf.m)	As b Ferro As h % armad total	Estribo Topo Base cota	Esb b Esb h
P1 1:20	25.00 X 70.00	320.00 320.00	320.00 320.00	RR RR	55.79 34.45	2777 3073	15284 5133	Erro D1		
P2 1:20	25.00 X 70.00	320.00 320.00	320.00 320.00	RR RR	93.87 56.75	684 879	30159 19700	Erro D1		
P3 1:20	25.00 X 70.00	320.00 320.00	320.00 320.00	RR RR	88.16 53.21	639 770	29371 19005	Erro D1		
P4 1:20	25.00 X 70.00	320.00 320.00	320.00 320.00	RR RR	89.09 53.62	644 752	30112 20259	Erro D1		
P5 1:20	25.00 X 70.00	320.00 320.00	320.00 320.00	RR RR	89.08 53.48	640 754	30739 21275	Erro D1		
P6 1:20	25.00 X 70.00	320.00 320.00	320.00 320.00	RR RR	89.25 53.45	645 756	31380 22331	Erro D1		
P7 1:20	25.00 X 70.00	320.00 320.00	320.00 320.00	RR RR	89.50 53.46	626 745	31951 23336	Erro D1		
P8 1:20	25.00 X 70.00	320.00 320.00	320.00 320.00	RR RR	86.29 51.11	626 725	29781 21990	Erro D1		
P9 1:20	25.00 X 70.00	320.00 320.00	320.00 320.00	RR RR	91.92 54.29	818 1010	31499 24617	Erro D1		
P10 1:20	25.00 X 70.00	320.00 320.00	320.00 320.00	RR RR	48.94 28.59	2991 3094	18189 12069	Erro D1		
P11 1:20	25.00 X 40.00	320.00 320.00	320.00 320.00	RR RR	56.32 32.24	3431 3411	14542 12616	Erro D1		
P12 1:20	25.00 X 40.00	320.00 320.00	320.00 320.00	RR RR	83.73 46.41	788 910	18121 17064	Erro D1		
P13 1:20	25.00 X 40.00	320.00 320.00	320.00 320.00	RR RR	77.50 42.30	1046 980	17104 16013	Erro D1		
P14 1:20	25.00 X 40.00	320.00 320.00	320.00 320.00	RR RR	78.39 42.30	486 550	16981 15872	Erro D1		
P15 1:20	25.00 X 40.00	320.00 320.00	320.00 320.00	RR RR	79.87 42.89	556 595	16780 15630	Erro D1		
P16 1:20	25.00 X 40.00	320.00 320.00	320.00 320.00	RR RR	80.40 42.76	543 588	16462 15329	Erro D1		
P17	25.00	320.00	320.00	RR	81.01	563	16132	Erro D1		

1:20	X 40.00	320.00	320.00	RR	42.69	598	15013			
P18 1:20	25.00 X 40.00	320.00 320.00	320.00 320.00	RR RR	76.32 38.92	564 625	14911 13841	Erro D1		
P19 1:20	25.00 X 40.00	320.00 320.00	320.00 320.00	RR RR	82.07 41.91	514 568	15223 14231	Erro D1		
P20 1:20	25.00 X 40.00	320.00 320.00	320.00 320.00	RR RR	53.21 26.73	3136 3397	10660 9348	Erro D1		
P21 1:20	25.00 X 50.00	320.00 320.00	320.00 320.00	RR RR	23.20 12.38	874 656	8665 8428	Erro D1		
P22 1:20	25.00 X 50.00	320.00 320.00	320.00 320.00	RR RR	35.31 20.59	524 705	8775 8054	Erro D1		
P23 1:20	25.00 X 50.00	320.00 320.00	320.00 320.00	RR RR	33.84 19.06	682 682	8099 7510	Erro D1		
P24 1:20	25.00 X 50.00	320.00 320.00	320.00 320.00	RR RR	29.91 15.83	631 666	7633 7060	Erro D1		
P25 1:20	25.00 X 50.00	320.00 320.00	320.00 320.00	RR RR	26.36 12.81	643 670	7283 6665	Erro D1		
P26 1:20	25.00 X 50.00	320.00 320.00	320.00 320.00	RR RR	26.48 12.33	634 665	6949 6316	Erro D1		
P27 1:20	25.00 X 50.00	320.00 320.00	320.00 320.00	RR RR	26.38 11.70	641 668	6624 5979	Erro D1		
P28 1:20	25.00 X 50.00	320.00 320.00	320.00 320.00	RR RR	24.62 9.74	635 675	6276 5619	Erro D1		
P29 1:20	25.00 X 50.00	320.00 320.00	320.00 320.00	RR RR	23.46 9.11	597 546	6133 5363	Erro D1		
P30 1:20	25.00 X 50.00	320.00 320.00	320.00 320.00	RR RR	15.38 8.67	810 1541	6797 6296	Erro D1		
P31 1:20	25.00 X 25.00	320.00 320.00	320.00 320.00	RR RR	17.17 8.66	630 594	774 870	Erro D1		
P32 1:20	25.00 X 50.00	320.00 320.00	320.00 320.00	RR RR	34.30 16.25	1975 2006	4494 4335	Erro D1		
P33 1:20	25.00 X 50.00	320.00 320.00	320.00 320.00	RR RR	24.78 12.80	1762 2501	5198 2885	Erro D1		
P35 1:20	15.00 X 40.00	320.00 320.00	320.00 320.00	RR RR	9.22 2.04	276 262	1480 1623	Erro D1		
P36 1:20	20.00 X 50.00	320.00 320.00	320.00 320.00	RR RR	31.93 18.61	320 369	3029 3427	Erro D1		
P37 1:20	15.00 X 40.00	320.00 320.00	320.00 320.00	RR RR	17.45 8.68	196 194	3055 3094	Erro D1		
P38 1:20	25.00 X 50.00	320.00 320.00	320.00 320.00	RR RR	111.11 67.49	754 844	7672 5006	Erro D1		
P39 1:20	25.00 X 60.00	320.00 320.00	320.00 320.00	RR RR	63.39 33.42	4757 2196	6997 13497	Erro D1		
P41 1:20	15.00 X	320.00 320.00	320.00 320.00	RR RR	20.19 9.35	241 234	1446 1363	Erro D1		

	40.00									
P42 1:20	20.00 X 50.00	320.00 320.00	320.00 320.00	RR RR	40.70 24.71	2061 1692	4539 3966	Erro D1		
P43 1:20	25.00 X 50.00	320.00 320.00	320.00 320.00	RR RR	109.55 66.89	1925 2059	2308 3630	Erro D1		
P44 1:20	25.00 X 60.00	320.00 320.00	320.00 320.00	RR RR	64.69 33.42	3963 2456	6677 7927	Erro D1		
P46 1:20	15.00 X 40.00	320.00 320.00	320.00 320.00	RR RR	15.49 4.76	910 804	2094 1644	Erro D1		
P47 1:20	25.00 X 25.00	320.00 320.00	320.00 320.00	RR RR	15.83 7.96	900 869	2803 2658	Erro D1		
P48 1:20	25.00 X 50.00	320.00 320.00	320.00 320.00	RR RR	31.25 18.13	511 746	3978 3770	Erro D1		
P49 1:20	25.00 X 50.00	320.00 320.00	320.00 320.00	RR RR	25.69 13.37	2973 3619	5744 3629	Erro D1		

Vigas do pavimento SUPERIOR

Viga	Vãos			Nós			Avisos
	Md (kgf.m)	As	Als	Md (kgf.m)	As	Als	
V1	2475.49	Erro D1		-3819.94 -3819.02	Erro D1		
V2	1883.88	Erro D1		-3363.91 -3204.91	Erro D1		
V3	1916.85	Erro D1		-3458.83 -3238.29	Erro D1		
V4	1915.00	Erro D1		-3427.30 -3237.23	Erro D1		
V5	1914.13	Erro D1		-3432.54 -3238.19	Erro D1		
V6	1920.14	Erro D1		-3438.78 -3231.33	Erro D1		
V7	1905.56	Erro D1		-3402.41 -3287.47	Erro D1		
V8	1863.00	Erro D1		-3405.23 -3182.27	Erro D1		
V9	2437.49	Erro D1		-4019.93 -3276.74	Erro D1		
V10	0.11	Erro D1		-86.14 -3877.65	Erro D1		
V11	0.11	Erro D1		-3706.04 -82.46	Erro D1		
V12	120.09	Erro D1		-7167.14	Erro D1		
V13	109.13	Erro D1		-7280.02	Erro D1		
V14	4349.16	Erro D1		-4794.90 -7417.42	Erro D1		
V15	3737.76	Erro D1		-6725.00 -6189.12	Erro D1		
V16	2810.52	Erro D1		-5362.16 -4929.05	Erro D1		
V17	2940.25	Erro D1		-4916.24 -5086.65	Erro D1		
V18	2920.35	Erro D1		-4968.35 -5071.55	Erro D1		
V19	2929.95	Erro D1		-4968.18 -5061.30	Erro D1		
V20	2918.97	Erro D1		-4929.81 -5161.41	Erro D1		
V21	2875.01	Erro D1		-4983.73 -5105.96	Erro D1		
V22	3413.32	Erro D1		-5532.43 -3895.19	Erro D1		
V23	0.11	Erro D1		-36.00 -3621.87	Erro D1		
V24	1583.71	Erro D1		-4335.27 -3653.26	Erro D1		
V25	1801.07	Erro D1		-3512.30 -3880.72	Erro D1		
V26	1734.11	Erro D1		-3686.63 -3848.47	Erro D1		
V27	1750.04	Erro D1		-3643.25 -3858.30	Erro D1		
V28	1744.77	Erro D1		-3675.45 -3836.70	Erro D1		
V29	1748.32	Erro D1		-3668.87 -3836.15	Erro D1		

V30	1745.18	Erro D1		-3658.86 -3854.06	Erro D1		
V31	1749.40	Erro D1		-3653.71 -3848.04	Erro D1		
V32	1999.19	Erro D1		-3929.51 -5338.41	Erro D1		
V33	0.11	Erro D1		-3545.73 -29.09	Erro D1		
V34	1357.16 6028.32	Erro D1		-431.28 -11866.75 -4853.67 -10413.97	Erro D1		
V35	64.31	Erro D1		-533.92	Erro D1		
V37	264.90 6186.74	Erro D1		-836.83 -15746.29 -8649.26	Erro D1		
V38	99.29	Erro D1		-406.85	Erro D1		
V39	4314.97 4564.18	Erro D1		-3554.45 -10250.95 -7121.50	Erro D1		
V40	239.43	Erro D1		-1293.04	Erro D1		
V41	1882.86 6011.12	Erro D1		-151.08 -11773.42 -4333.95 -11052.01	Erro D1		
V42	1788.30 1814.26	Erro D1		-109.75 -709.96 -104.79	Erro D1		
V43	0.11 23508.53	Erro D1		-8672.17 -37709.59 -27512.06	Erro D1		
V44	0.11 31535.29	Erro D1		-8320.23 -48489.48 -45219.46	Erro D1		
V45	0.11 30047.68	Erro D1		-7575.18 -46347.84 -43203.07	Erro D1		
V46	0.11 30268.39	Erro D1		-7884.79 -46286.49 -44292.39	Erro D1		
V47	0.11 30232.54	Erro D1		-8360.27 -45924.56 -44909.77	Erro D1		
V48	470.68 30194.89	Erro D1		-8131.60 -45797.13 -45520.10	Erro D1		
V49	1152.46 30105.54	Erro D1		-7955.47 -45583.99 -46055.48	Erro D1		
V50	1870.19 27752.60	Erro D1		-7692.72 -41885.61 -42522.47	Erro D1		
V51	2331.70 28883.06	Erro D1		-8013.12 -43194.80 -45317.53	Erro D1		
V52	3308.87	Erro D1		-3290.71 -729.18	Erro D1		
V53	1222.14	Erro D1		-3183.53 -1780.32	Erro D1		
V55	3500.81	Erro D1		-4906.30 -4924.36	Erro D1		
V56	1103.92 1796.55 59.18	Erro D1		-3782.72 -3523.91 -3018.90	Erro D1		
V57	3382.69 21361.83	Erro D1		-3054.32 -6167.73 -33111.23	Erro D1		

				-28787.38			
V58	2358.71 2254.01 2234.01	Erro D1		-603.63 -4800.98 -4814.28 -355.27	Erro D1		
V59	1751.92 1635.61	Erro D1		-93.61 -775.27 -101.98	Erro D1		
V60	3632.70	Erro D1		-168.26 -164.95	Erro D1		
V61	3157.95 4201.54 1938.94	Erro D1		-4575.80 -6494.96 -4276.36 -3385.94	Erro D1		
V62	2090.46	Erro D1		-3863.92 -1692.80	Erro D1		
V63	2004.72	Erro D1		-2673.30 -1431.52	Erro D1		
V64	613.99	Erro D1		-177.51 -575.82	Erro D1		

Esforços da Viga V1

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P1		25.0 0								2.18				
1	600. 00 575. 00	575. 00	250.0 0	0.00			2.3 4	0.0 0	3.3 3		2475. 49		- 3819. 94 - 3819. 02	- 0.24
P2		25.0 0								1.77				

Esforços da Viga V2

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P2		25.0 0								1.40				
1	600. 00 575. 00	575. 00	250.0 0	0.00			4.0 0	0.0 0	2.2 6		1883. 88		- 3363. 91 - 3204. 91	- 0.22
P3		25.0 0								1.52				

Esforços da Viga V3

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P3		25.0 0								1.48				
1	600. 00 575. 00	575. 00	250.0 0	0.00			5.6 8	0.0 0	2.2 9		1916. 85		- 3458. 83 - 3238. 29	- 0.22
P4		25.0 0								1.53				

Esforços da Viga V4

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P4		25.0 0								1.46				
1	600. 00 575. 00	575. 00	250.0 0	0.00			7.2 6	0.0 0	2.2 9		1915. 00		- 3427. 30 - 3237. 23	- 0.22
P5		25.0 0								1.53				

Esforços da Viga V5

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P5		25.0 0								1.47				
1	600. 00 575. 00	575. 00	250.0 0	0.00			8.4 6	0.0 0	2.2 9		1914. 13		- 3432. 54 - 3238. 19	- 0.21
P6		25.0 0								1.53				

Esforços da Viga V6

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P6		25.0 0								1.47				
1	600. 00 575. 00	575. 00	250.0 0	0.00			9.1 0	0.0 0	2.2 9		1920. 14		- 3438. 78 - 3231. 33	- 0.21
P7		25.0 0								1.53				

Esforços da Viga V7

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P7		25.0 0								1.45				
1	600. 00 575. 00	575. 00	250.0 0	0.00			8.9 7	0.0 0	2.3 5		1905. 56		- 3402. 41 - 3287. 47	- 0.21
P8		25.0 0								1.57				

Esforços da Viga V8

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P8		25.0 0								1.48				
1	600. 00 575. 00	575. 00	250.0 0	0.00			8.0 2	0.0 0	2.2 4		1863. 00		- 3405. 23 - 3182. 27	- 0.21
P9		25.0 0								1.50				

Esforços da Viga V9

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P9		25.0 0								1.73				
1	600. 01 575. 01	575. 01	250.0 0	0.00			5.8 2	0.0 0	3.1 7		2437. 49		- 4019. 93 - 3276. 74	- 0.23
P10		25.0 0								2.08				

Esforços da Viga V10

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (%)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
		15.0 0												- 0.57
1	147. 50 127. 50	127. 50	424.5 0	0.00			1.4 4	0.0 0	3.0 0				- 86.14 - 3877. 65	
V43		25.0 0								2.03				

Esforços da Viga V11

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

[illegible]

Esforços da Viga V12

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
		15.0 0												- 1.43
1	147. 50 127. 50	127. 50	112.5 0	0.00			0.0 0	- 2.6 0	5.0 5			120.0 9	- 7167. 14	
V43		25.0 0								3.33				

Esforços da Viga V13

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

[illegible]

Esforços da Viga V14

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P11		25.0 0								3.63				
1	600. 05 575. 05	575. 05	677.2 0	0.00			1.6 9	0.0 0	6.1 9		4349. 16		- 4794. 90 - 7417. 42	- 0.37
P12		25.0 0								4.00				

Esforços da Viga V15

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P12		25.0 0								3.51				
1	600. 00 575. 00	575. 00	677.2 0	0.00			14. 44	0.0 0	5.6 2		3737. 76		- 6725. 00 - 6189. 12	- 0.33
P13		25.0 0								3.65				

Esforços da Viga V16

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P13		25.0 0								2.41				
1	600. 00 575. 00	575. 00	250.0 0	0.00			28. 43	0.0 0	4.0 5		2810. 52		- 5362. 16 - 4929. 05	- 0.25
P14		25.0 0								2.52				

Esforços da Viga V17

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P14		25.0 0								2.34				
1	600. 00 575. 00	575. 00	250.0 0	0.00			41. 31	0.0 0	4.1 4		2940. 25		- 4916. 24 - 5086. 65	- 0.27
P15		25.0 0								2.59				

Esforços da Viga V18

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P15		25.0 0								2.34				
1	600. 00 575. 00	575. 00	250.0 0	0.00			50. 56	0.0 0	4.1 3		2920. 35		- 4968. 35 - 5071. 55	- 0.26
P16		25.0 0								2.58				

Esforços da Viga V19

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P16		25.0 0								2.35				
1	600. 00 575. 00	575. 00	250.0 0	0.00			54. 09	0.0 0	4.1 3		2929. 95		- 4968. 18 - 5061. 30	- 0.27
P17		25.0 0								2.59				

Esforços da Viga V20

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P17		25.0 0								2.33				
1	600. 00 575. 00	575. 00	250.0 0	0.00			50. 16	0.0 0	4.2 5		2918. 97		- 4929. 81 - 5161. 41	- 0.26
P18		25.0 0								2.67				

Esforços da Viga V21

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P18		25.0 0								2.42				
1	600. 00 575. 00	575. 00	250.0 0	0.00			37. 21	0.0 0	4.1 5		2875. 01		- 4983. 73 - 5105. 96	- 0.26
P19		25.0 0								2.60				

Esforços da Viga V22

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P19		25.0 0								2.59				
1	600. 13 575. 13	575. 13	250.0 0	0.00			17. 21	0.0 0	4.3 8		3413. 32		- 5532. 43 - 3895. 19	- 0.29
P20		25.0 0								2.74				

Esforços da Viga V23

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
		15.0 0												- 0.46
1	144. 00 127. 50	127. 50	424.5 0	0.00			1.1 6	0.0 0	2.9 1				- 36.00 - 3621. 87	
P21		25.0 0								1.98				

Esforços da Viga V24

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (%)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P21		25.0 0								2.44				
1	600. 00 575. 00	575. 00	250.0 0	0.00			0.0 0	- 3.2 0	3.8 3		1583. 71		- 4335. 27 - 3653. 26	- 0.10
P22		25.0 0								2.29				

Esforços da Viga V25

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P22		25.0 0								2.30				
1	600. 00 575. 00	575. 00	250.0 0	0.00			0.0 0	- 17. 89	3.7 9		1801. 07		- 3512. 30 - 3880. 72	- 0.14
P23		25.0 0								2.41				

Esforços da Viga V26

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P23		25.0 0								2.33				
1	600. 00 575. 00	575. 00	250.0 0	0.00			0.0 0	- 34. 06	3.7 6		1734. 11		- 3686. 63 - 3848. 47	- 0.13
P24		25.0 0								2.38				

Esforços da Viga V27

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P24		25.0 0								2.32				
1	600. 00 575. 00	575. 00	250.0 0	0.00			0.0 0	- 48. 70	3.7 7		1750. 04		- 3643. 25 - 3858. 30	- 0.13
P25		25.0 0								2.39				

Esforços da Viga V28

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P25		25.0 0								2.33				
1	600. 00 575. 00	575. 00	250.0 0	0.00			0.0 0	- 59. 40	3.7 6		1744. 77		- 3675. 45 - 3836. 70	- 0.12
P26		25.0 0								2.38				

Esforços da Viga V29

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P26		25.0 0								2.33				
1	600. 00 575. 00	575. 00	250.0 0	0.00			0.0 0	- 63. 79	3.7 6		1748. 32		- 3668. 87 - 3836. 15	- 0.12
P27		25.0 0								2.38				

Esforços da Viga V30

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P27		25.0 0								2.32				
1	600. 00 575. 00	575. 00	250.0 0	0.00			0.0 0	- 59. 97	3.7 7		1745. 18		- 3658. 86 - 3854. 06	- 0.12
P28		25.0 0								2.39				

Esforços da Viga V31

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P28		25.0 0								2.32				
1	600. 00 575. 00	575. 00	250.0 0	0.00			0.0 0	- 46. 28	3.7 7		1749. 40		- 3653. 71 - 3848. 04	- 0.12
P29		25.0 0								2.38				

Esforços da Viga V32

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P29		25.0 0								2.43				
1	600. 02 575. 02	344. 95	250.0 0	0.00			0.0 0	- 24. 27	3.8 5		1999. 19	1857. 91	- 3929. 51	- 0.13
		15.0 0												- 0.12
2		215. 07	250.0 0	0.00			0.0 0	- 31. 38	5.5 2			1863. 62	- 5338. 41	
P30		25.0 0								3.48				

Esforços da Viga V33

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

[illegible]

Esforços da Viga V34

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Tempera tura Caso T1 Caso T2 (°C)	Retra ção (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Per m. (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	R d (tf)						
P31		25.0 0								0.61				
1	245. 55 215. 05	215. 05	802.2 0	0.00			12. 65	0.0 0	5.1 8			1357. 16	- 431.2 8 - 5964. 69	
P32		50.0 0								10.4 9				
2	692. 00 656. 00	40.0 0	802.2 0	0.00			2.6 8	- 0.3 8	11. 12				- 11866 .75 - 4849. 29	
		15.0 0												- 0.09
3		601. 00	802.2 0	0.00			1.1 1	- 1.1 7	9.4 0		6028. 32		- 4853. 67 - 10413 .97	- 0.29
P33		50.0 0								6.25				

Esforços da Viga V35

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P35		15.0 0								0.31				
1	187. 50 172. 50	172. 50	150.0 0	0.00			1.3 6	0.0 0	0.4 8		64.31	25.80	- 533.9 2	
V56		15.0 0								0.06				

Esforços da Viga V37

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Tempera tura Caso T1 Caso T2 (°C)	Retra ção (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Per m. (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P37		15.0 0								0.87				
1	327. 55 305. 05	305. 05	614.7 0	0.00			0.0 0	- 3.1 4	2.0 9		264.9 0		- 836.83 - 2566.4 4	
P38		50.0 0								12.5 3				
2	618. 50 591. 00	102. 55	614.7 0	0.00			1.7 0	0.0 0	17. 26			3982. 36	- 15746. 29	
		15.0 0											- 0.46	
3		473. 45	614.7 0	0.00			0.5 7	- 0.7 0	8.2 5		6186. 74	3972. 63	- 8649.2 6	- 0.72
P39		25.0 0								5.42				

Esforços da Viga V38

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
V53		20.0 0								0.06				
1	185. 00 167. 50	167. 50	150.0 0	0.00			0.3 7	0.0 0	0.4 5		99.29	92.81 19.81	- 406.8 5	
P41		15.0 0								0.29				

Esforços da Viga V39

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (%)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P42		20.0 0								3.65				
1		167. 50	614.7 0	0.00			1.2 6	0.0 0	5.5 9			4296. 12	- 3554.4 5	
		15.0 0												- 0.29
2		305. 05	614.7 0	0.00			2.3 2	0.0 0	4.3 7			4314. 97	- 5488.3 4	- 0.30
P43		50.0 0								9.33				
3	618. 50 591. 00	102. 55	614.7 0	0.00			2.6 2	0.0 0	9.9 8			998.9 5	- 10250. 95	
		15.0 0												- 0.33
4		473. 45	614.7 0	0.00			4.6 1	0.0 0	7.0 1		4564. 18	1007. 77	- 7121.5 0	- 0.54
P44		25.0 0								4.62				

Esforços da Viga V40

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P46		15.0 0								1.42				
1	187. 50 172. 50	172. 50	577.2 0	0.00			0.0 0	- 0.5 5	2.1 2		239.4 3	69.32	- 1293. 04	
V55		15.0 0								0.43				

Esforços da Viga V41

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Tempera tura Caso T1 Caso T2 (°C)	Retra ção (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Per m. (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P47		25.0 0								0.00				
1	245. 55 215. 05	215. 05	802.2 0	0.00			0.0 0	- 3.2 8	4.6 7			1882. 86	- 151.08 - 6323.2 4	
P48		50.0 0								10.6 1				
2	692. 00 656. 00	40.0 0	802.2 0	0.00			0.0 0	- 3.4 3	11. 91				- 11773. 42 - 4323.2 4	
		15.0 0												- 0.09
3		601. 00	802.2 0	0.00			0.0 0	- 4.0 7	9.2 5		6011. 12		- 4333.9 5 - 11052. 01	- 0.29
P49		50.0 0								6.16				

Esforços da Viga V42

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
V23		15.0 0								1.36				
1	371. 25 356. 25	356. 25	424.5 0	0.00			5.8 9	0.0 0	2.4 5		1788. 30		- 109.7 5 - 709.9 6	- 1.45
V12		15.0 0								3.16				
2	371. 25 356. 25	356. 25	424.5 0	0.00			4.3 0	0.0 0	2.3 8		1814. 26		- 661.7 5 - 104.7 9	
V10		15.0 0								1.40				

Esforços da Viga V43

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Tempera tura Caso T1 Caso T2 (°C)	Retra ção (%)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Per m. (kgf/ m)	Acid. (kgf/ m)			N d (tf)	R d (tf)						
		50.0 0												- 0.03
1	229. 00 185. 00	185. 00	927.2 0	0.00			0.0 0	- 4.1 4	6.1 8				- 8672. 17 - 16051 .42	
P11		40.0 0								22.4 0				
2		131. 25	927.2 0	0.00			0.0 0	- 1.9 8	28. 15			1173. 67	- 37709 .59	
		15.0 0												- 0.38
3	919. 00 875. 00	356. 25	927.2 0	0.00			0.4 5	- 0.4 3	14. 51		23508 .53	1132. 90 23150 .24		- 0.81
		15.0 0												- 0.78
4		357. 50	927.2 0	0.00			4.2 1	0.0 0	18. 79			23045 .51	- 27512 .06	
P1		70.0 0								12.4 6				

Esforços da Viga V44

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Tempera tura Caso T1 Caso T2 (°C)	Retra ção (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Per m. (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	R d (tf)						
		50.0 0												- 0.04
1	229. 00 185. 00	185. 00	927.2 0	0.00			4.8 6	0.0 0	7.7 2				- 8320. 23 - 20544 .29	
P12		40.0 0								28.5 4				
2	919. 00 875. 00	875. 00	927.2 0	0.00			11. 12	0.0 0	37. 23		31535 .29		- 48489 .48 - 45219 .46	- 1.09
P2		70.0 0								20.6 0				

Esforços da Viga V45

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Tempera tura Caso T1 Caso T2 (°C)	Retra ção (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Per m. (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	R d (tf)						
		50.0 0												- 0.04
1	229. 00 185. 00	185. 00	927.2 0	0.00			4.6 7	0.0 0	8.2 0				- 7575. 18 - 20459 .41	
P13		40.0 0								27.6 7				
2	919. 00 875. 00	875. 00	927.2 0	0.00			11. 28	0.0 0	35. 38		30047 .68		- 46347 .84 - 43203 .07	- 1.04
P3		70.0 0								19.7 2				

Esforços da Viga V46

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Tempera tura Caso T1 Caso T2 (°C)	Retra ção (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Per m. (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	R d (tf)						
		50.0 0												- 0.03
1	229. 00 185. 00	185. 00	927.2 0	0.00			4.4 8	0.0 0	8.5 1				- 7884. 79 - 20829 .27	
P14		40.0 0								27.6 7				
2	919. 00 875. 00	875. 00	927.2 0	0.00			11. 45	0.0 0	35. 34		30268 .39		- 46286 .49 - 44292 .39	- 1.04
P4		70.0 0								19.9 5				

Esforços da Viga V47

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Tempera tura Caso T1 Caso T2 (°C)	Retra ção (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Per m. (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	R d (tf)						
		50.0 0												- 0.03
1	229. 00 185. 00	185. 00	927.2 0	0.00			4.3 2	0.0 0	8.6 5				- 8360. 27 - 20870 .32	
P15		40.0 0								27.5 4				
2	919. 00 875. 00	875. 00	927.2 0	0.00			11. 69	0.0 0	35. 26		30232 .54		- 45924 .56 - 44909 .77	- 1.04
P5		70.0 0								19.9 9				

Esforços da Viga V48

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Tempera tura Caso T1 Caso T2 (°C)	Retra ção (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Per m. (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	R d (tf)						
		50.0 0												- 0.03
1	229. 00 185. 00	185. 00	927.2 0	0.00			4.4 3	0.0 0	9.3 0			470.6 8	- 8131. 60 - 21327 .65	
P16		40.0 0								27.7 9				
2	919. 00 875. 00	875. 00	927.2 0	0.00			12. 04	0.0 0	35. 23		30194 .89		- 45797 .13 - 45520 .10	- 1.03
P6		70.0 0								20.0 5				

Esforços da Viga V49

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Tempera tura Caso T1 Caso T2 (°C)	Retra ção (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Per m. (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	R d (tf)						
		50.0 0												- 0.03
1	229. 00 185. 00	185. 00	927.2 0	0.00			4.4 6	0.0 0	9.9 0			1152. 46	- 7955. 47 - 21705 .52	
P17		40.0 0								27.9 6				
2	919. 00 875. 00	875. 00	927.2 0	0.00			12. 29	0.0 0	35. 15		30105 .54		- 45583 .99 - 46055 .48	- 1.03
P7		70.0 0								20.0 7				

Esforços da Viga V50

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Tempera tura Caso T1 Caso T2 (°C)	Retra ção (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Per m. (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	R d (tf)						
P28		50.0 0								0.00				
1	229. 00 185. 00	185. 00	500.0 0	0.00			4.6 6	0.0 0	8.8 9			1870. 19	- 7692. 72 - 19922 .01	
P18		40.0 0								24.9 1				
2	919. 00 875. 00	875. 00	500.0 0	0.00			12. 06	0.0 0	32. 10		27752 .60		- 41885 .61 - 42522 .47	- 0.94
P8		70.0 0								18.0 1				

Esforços da Viga V51

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Tempera tura Caso T1 Caso T2 (°C)	Retra ção (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Per m. (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	R d (tf)						
P29		50.0 0								0.00				
1	229. 00 185. 00	185. 00	500.0 0	0.00			3.9 3	- 0.6 8	9.4 6			2331. 70	- 8013. 12 - 20699 .21	
P19		40.0 0								25.7 5				
2	919. 00 875. 00	875. 00	500.0 0	0.00			10. 96	0.0 0	33. 30		28883 .06		- 43194 .80 - 45317 .53	- 0.97
P9		70.0 0								18.8 3				

Esforços da Viga V52

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P46		40.0 0								2.32				
1	160. 10 130. 10	130. 10	614.7 0	0.00			0.0 0	- 1.5 5	4.8 0			498.8 9 3308. 87	- 3290. 71 - 729.1 8	
P42		50.0 0								0.00				

Esforços da Viga V53

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P42		50.0 0								2.12				
1	364. 90 334. 90	169. 90	677.2 0	0.00			1.2 4	0.0 0	3.5 0			1013. 08	- 3183. 53	
		15.0 0												- 0.08
2		150. 00	677.2 0	0.00			0.0 0	0.0 0	2.2 7		1222. 14	1000. 75 905.6 8	- 1780. 32	
P36		50.0 0								1.33				

Esforços da Viga V55

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P47		25.0 0								4.05				
1		205. 55	614.7 0	0.00			0.0 0	- 4.4 0	6.3 2			3480. 06	- 4906. 30	
		15.0 0												- 0.33
2	623. 05 595. 55	155. 10	614.7 0	0.00			0.0 0	- 2.5 8	3.2 4		3500. 81	3469. 54 978.5 3		- 0.35
		15.0 0												- 0.29
3		204. 90	614.7 0	0.00			0.0 0	- 8.7 0	5.8 6		1122. 21	1002. 32	- 4924. 36	
P41		40.0 0								3.77				

Esforços da Viga V56

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (%)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P41		40.0 0								2.47				
1	170. 10 140. 10	140. 10	614.7 0	0.00			0.0 0	- 7.4 9	4.6 5			1103. 92	- 3782. 72 - 1178. 75	
P37		40.0 0								3.38				
2		174. 90	614.7 0	0.00			0.0 0	- 11. 95	5.4 8		1796. 55	1765. 94	- 3523. 91	
		15.0 0												- 0.10
3		163. 25	614.7 0	0.00			0.0 0	- 10. 31	4.2 1			1763. 13	- 2848. 19	
P31		25.0 0								4.13				
4	222. 50 200. 00	200. 00	614.7 0	0.00			0.0 0	- 17. 43	2.3 2			59.18	- 3018. 90	
V32		20.0 0								0.06				

Esforços da Viga V57

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Tempera tura Caso T1 Caso T2 (°C)	Retra ção (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Per m. (kgf/ m)	Acid · (kgf/ m)			Nd (tf)	Rd (tf)						
P32		25.0 0								1.20				
1		170. 00	600. 00	0.00			30. 52	0.0 0	3.8 2			1875. 17	- 3054. 32	
												3382. 69	- 4446. 85	
		50.0 0												- 0.02
2		185. 52	600. 00	0.00			0.0 0	- 11. 02	9.9 6			1980. 05	- 6167. 73	
													- 18912 .74	
P20		40.0 0								21.5 0				
3		130. 73	600. 00	0.00			0.0 0	- 14. 59	25. 15			3269. 90	- 33111 .23	
		15.0 0												- 0.31
4	918. 48 874. 48	356. 25	600. 00	0.00			0.0 0	- 2.9 1	12. 97		21361 .83	3227. 79		- 0.61
		15.0 0										20986 .51		- 0.59
5		357. 50	600. 00	0.00			9.8 4	0.0 0	17. 24			20885 .27	- 28787 .38	
P10		70.0 0								11.1 6				

Esforços da Viga V58

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
V41		25.0 0								2.37				
1	390. 65 365. 65	365. 65	614.7 0	0.00			7.0 8	0.0 0	5.1 7		2358. 71		- 603.6 3 - 4129. 51	- 0.20
P43		25.0 0								7.31				
2	410. 00 385. 00	385. 00	614.7 0	0.00			11. 57	0.0 0	6.6 5		2254. 01		- 4800. 98 - 3861. 93	- 0.21
P38		25.0 0								7.01				
3	393. 15 368. 15	368. 15	614.7 0	0.00			22. 49	0.0 0	5.9 0		2234. 01		- 4814. 28 - 355.2 7	- 0.18
V34		25.0 0								1.95				

Esforços da Viga V59

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (%)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
V33		15.0 0								1.33				
1	371. 25 356. 25	356. 25	416.7 0	0.00			24. 19	0.0 0	2.4 5		1751. 92		- 93.61 - 775.2 7	- 1.22
V13		15.0 0								3.20				
2	371. 25 356. 25	356. 25	416.7 0	0.00			12. 51	0.0 0	2.4 5		1635. 61		- 728.1 0 - 101.9 8	
V11		15.0 0								1.33				

Esforços da Viga V60

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (%)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
V39		15.0 0								1.76				
1		192. 50	150.0 0	0.00			4.9 9	0.0 0	2.7 9			3465. 43	- 168.2 6	
		0.00												- 0.76
2	400. 00 385. 00	190. 00	150.0 0	0.00			4.9 9	0.0 0	10. 51		3632. 70	3465. 43 899.4 8		- 0.77
		0.00												- 0.49
3		2.50	150.0 0	0.00			4.9 9	0.0 0	10. 54			899.4 8	- 164.9 5	
V37		15.0 0								6.81				

Esforços da Viga V61

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e lo (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P49		25.0 0								2.32				
1	406. 15 375. 65	375. 65	802.2 0	0.00			0.0 5	- 1.5 5	4.1 0		3157. 95	512.1 0 3153. 47	- 4575. 80 - 2880. 43	- 0.09
P44		60.0 0								3.28				
2	331. 00 295. 00	295. 00	802.2 0	0.00			0.0 2	0.0 0	5.0 0			2302. 68 4201. 54	- 6494. 96 - 4118. 58	- 0.08
P39		60.0 0								2.80				
3	408. 65 378. 15	378. 15	802.2 0	0.00			1.0 7	- 0.2 3	3.5 1		1938. 94	1765. 32 1345. 71	- 4276. 36 - 3385. 94	- 0.08
P33		25.0 0								1.87				

Esforços da Viga V62

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P44		60.0 0								1.90				
1	319. 00 295. 00	295. 00	250.0 0	0.00			0.0 0	- 5.9 1	3.6 3			691.5 9 2090. 46	- 3863. 92 - 1692. 80	- 0.08
P39		60.0 0								0.94				

Esforços da Viga V63

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P36		50.0 0								1.41				
1	185. 00 155. 00	155. 00	187.5 0	0.00			1.3 9	0.0 0	3.3 8			1136. 88 2004. 72	- 2673. 30 - 1431. 52	
P35		40.0 0								0.46				

Esforços da Viga V64

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P36		20.0 0								0.00				
1	185. 00 167. 50	167. 50	150.0 0	0.00			0.0 0	- 1.3 1	0.8 2			613.9 9	- 177.5 1 - 575.8 2	
P37		15.0 0								0.52				

Resultados da Viga V1

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P1	25.00			4 ø 8.0 1.96					0.11	
1	575.00	20.00 x 50.00	2 ø 10.0 1.50			ø 5.0 c/ 17			0.09	0.24
P2	25.00			4 ø 8.0 1.95					0.11	

Resultados da Viga V2

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P2	25.00			4 ø 8.0 1.72					0.08	
1	575.00	20.00 x 50.00	2 ø 10.0 1.50			ø 5.0 c/ 17			0.06	0.22
P3	25.00			2 ø 10.0 1.64					0.16	

Resultados da Viga V3

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P3	25.00			4 ø 8.0 1.77					0.09	
1	575.00	20.00 x 50.00	2 ø 10.0 1.50			ø 5.0 c/ 17			0.06	0.22
P4	25.00			4 ø 8.0 1.65					0.08	

Resultados da Viga V4

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P4	25.00			4 ø 8.0 1.75					0.09	
1	575.00	20.00 x 50.00	2 ø 10.0 1.50			ø 5.0 c/ 17			0.06	0.22
P5	25.00			4 ø 8.0 1.65					0.08	

Resultados da Viga V5

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P5	25.00			4 ø 8.0 1.75					0.09	
1	575.00	20.00 x 50.00	2 ø 10.0 1.50			ø 5.0 c/ 17			0.06	0.21
P6	25.00			4 ø 8.0 1.65					0.08	

Resultados da Viga V6

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P6	25.00			4 ø 8.0 1.76					0.09	
1	575.00	20.00 x 50.00	2 ø 10.0 1.50			ø 5.0 c/ 17			0.06	0.21
P7	25.00			2 ø 10.0 1.65					0.16	

Resultados da Viga V7

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P7	25.00			4 ø 8.0 1.74					0.09	
1	575.00	20.00 x 50.00	2 ø 10.0 1.50			ø 5.0 c/ 17			0.06	0.21
P8	25.00			4 ø 8.0 1.68					0.08	

Resultados da Viga V8

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P8	25.00			4 ø 8.0 1.74					0.09	
1	575.00	20.00 x 50.00	2 ø 10.0 1.50			ø 5.0 c/ 17			0.06	0.21
P9	25.00			2 ø 10.0 1.63					0.16	

Resultados da Viga V9

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P9	25.00			4 ø 8.0 2.06					0.12	
1	575.01	20.00 x 50.00	2 ø 10.0 1.50			ø 5.0 c/ 17			0.09	0.23
P10	25.00			4 ø 8.0 1.67					0.08	

Resultados da Viga V10

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
	15.00		2 ø 8.0 0.22	2 ø 8.0 0.83					0.00	
1	127.50	15.00 x 30.00	2 ø 8.0 0.83	2 ø 8.0 0.22		ø 5.0 c/ 15			0.00	0.78
V43	25.00		2 ø 8.0 0.24	2 ø 16.0 4.20					0.22	

Resultados da Viga V11

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm²)	As Sup (cm²)	As esq trecho (cm²)	Asw min (cm²)	As dir trecho (cm²)	Asw Pele (cm²)	Fissura (mm)	Flecha (cm)
V57	30.00		2 ø 8.0 0.24	2 ø 16.0 3.99					0.20	
1	124.99	15.00 x 30.00	2 ø 8.0 0.82	2 ø 8.0 0.22		ø 5.0 c/ 15			0.00	0.59
	15.00		2 ø 8.0 0.22	2 ø 8.0 0.82					0.00	

Resultados da Viga V12

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm²)	As Sup (cm²)	As esq trecho (cm²)	Asw min (cm²)	As dir trecho (cm²)	Asw Pele (cm²)	Fissura (mm)	Flecha (cm)
	15.00								0.00	
1	127.50	15.00 x 30.00	2 ø 8.0 0.68		ø 5.0 c/ 6 108.00	ø 5.0 c/ 15			0.00	1.43
V43	25.00		2 ø 16.0 3.00	4 ø 16.0 8.40					0.11	

Resultados da Viga V13

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

[illegible]

Resultados da Viga V14

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P11	25.00			2 ø 12.5 2.48					0.19	
1	575.05	20.00 x 50.00	3 ø 10.0 2.24			ø 5.0 c/ 17			0.13	0.37
P12	25.00			2 ø 16.0 3.94					0.22	

Resultados da Viga V15

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P12	25.00			3 ø 12.5 3.53					0.17	
1	575.00	20.00 x 50.00	4 ø 8.0 1.91			ø 5.0 c/ 17			0.11	0.33
P13	25.00			4 ø 10.0 3.23					0.14	

Resultados da Viga V16

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P13	25.00			6 ø 8.0 2.84					0.08	
1	575.00	20.00 x 50.00	2 ø 10.0 1.50			ø 5.0 c/ 17			0.12	0.25
P14	25.00			2 ø 12.5 2.56					0.18	

Resultados da Viga V17

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P14	25.00			2 ø 12.5 2.55					0.18	
1	575.00	20.00 x 50.00	2 ø 10.0 1.50			ø 5.0 c/ 17			0.13	0.27
P15	25.00			6 ø 8.0 2.69					0.07	

Resultados da Viga V18

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P15	25.00			2 ø 12.5 2.58					0.19	
1	575.00	20.00 x 50.00	2 ø 10.0 1.50			ø 5.0 c/ 17			0.13	0.26
P16	25.00			6 ø 8.0 2.68					0.07	

Resultados da Viga V19

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P16	25.00			2 ø 12.5 2.58					0.19	
1	575.00	20.00 x 50.00	2 ø 10.0 1.50			ø 5.0 c/ 17			0.13	0.27
P17	25.00			6 ø 8.0 2.67					0.07	

Resultados da Viga V20

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P17	25.00			2 ø 12.5 2.56					0.18	
1	575.00	20.00 x 50.00	2 ø 10.0 1.50			ø 5.0 c/ 17			0.13	0.26
P18	25.00			6 ø 8.0 2.73					0.07	

Resultados da Viga V21

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P18	25.00			5 ø 8.0 2.61					0.09	
1	575.00	20.00 x 50.00	2 ø 10.0 1.50			ø 5.0 c/ 17			0.12	0.26
P19	25.00			6 ø 8.0 2.70					0.07	

Resultados da Viga V22

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P19	25.00			6 ø 8.0 2.93					0.08	
1	575.13	20.00 x 50.00	4 ø 8.0 1.74			ø 5.0 c/ 17			0.08	0.29
P20	25.00			4 ø 8.0 1.99					0.11	

Resultados da Viga V23

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
	15.00		2 ø 8.0 0.23	2 ø 8.0 0.84					0.00	
1	127.50	15.00 x 30.00	2 ø 8.0 0.84	2 ø 8.0 0.23		ø 5.0 c/ 15			0.00	0.46
P21	25.00		2 ø 8.0 0.26	2 ø 16.0 3.91					0.20	

Resultados da Viga V24

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P21	25.00			3 ø 10.0 2.23					0.13	
1	575.00	20.00 x 50.00	2 ø 10.0 1.50			ø 5.0 c/ 17			0.04	0.10
P22	25.00			4 ø 8.0 1.87					0.09	

Resultados da Viga V25

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P22	25.00			4 ø 8.0 1.79					0.09	
1	575.00	20.00 x 50.00	2 ø 10.0 1.50			ø 5.0 c/ 17			0.05	0.14
P23	25.00			4 ø 8.0 1.99					0.11	

Resultados da Viga V26

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P23	25.00			4 ø 8.0 1.89					0.10	
1	575.00	20.00 x 50.00	2 ø 10.0 1.50			ø 5.0 c/ 17			0.05	0.13
P24	25.00			4 ø 8.0 1.97					0.11	

Resultados da Viga V27

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P24	25.00			4 ø 8.0 1.86					0.10	
1	575.00	20.00 x 50.00	2 ø 10.0 1.50			ø 5.0 c/ 17			0.05	0.13
P25	25.00			4 ø 8.0 1.98					0.11	

Resultados da Viga V28

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P25	25.00			4 ø 8.0 1.88					0.10	
1	575.00	20.00 x 50.00	2 ø 10.0 1.50			ø 5.0 c/ 17			0.05	0.12
P26	25.00			4 ø 8.0 1.96					0.11	

Resultados da Viga V29

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P26	25.00			4 ø 8.0 1.88					0.10	
1	575.00	20.00 x 50.00	2 ø 10.0 1.50			ø 5.0 c/ 17			0.05	0.12
P27	25.00			4 ø 8.0 1.96					0.11	

Resultados da Viga V30

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P27	25.00			4 ø 8.0 1.87					0.10	
1	575.00	20.00 x 50.00	2 ø 10.0 1.50			ø 5.0 c/ 17			0.05	0.12
P28	25.00			4 ø 8.0 1.97					0.11	

Resultados da Viga V31

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P28	25.00			4 ø 8.0 1.87					0.10	
1	575.00	20.00 x 50.00	2 ø 10.0 1.50			ø 5.0 c/ 17			0.05	0.12
P29	25.00			4 ø 8.0 1.97					0.11	

Resultados da Viga V32

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P29	25.00			4 ø 8.0 2.01					0.11	
1	575.02	20.00 x 50.00	2 ø 10.0 1.50			ø 5.0 c/ 17			0.06	0.13
P30	25.00			6 ø 8.0 2.82					0.08	

Resultados da Viga V33

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm²)	As Sup (cm²)	As esq trecho (cm²)	Asw min (cm²)	As dir trecho (cm²)	Asw Pele (cm²)	Fissura (mm)	Flecha (cm)
P30	25.00		2 ø 8.0 0.22	2 ø 16.0 3.79					0.19	
1	127.48	15.00 x 30.00	2 ø 8.0 0.81	2 ø 8.0 0.20		ø 5.0 c/ 15			0.00	0.43
	15.00		2 ø 8.0 0.20	2 ø 8.0 0.81					0.00	

Resultados da Viga V34

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P31	25.00			3 ø 10.0 2.25					0.00	
1	215.05	25.00 x 60.00	3 ø 10.0 2.25			ø 5.0 c/ 14		2x3 ø 8.0	0.00	0.04
P32	50.00			4 ø 12.5 5.11					0.19	
2	656.00	25.00 x 60.00	2 ø 12.5 2.54			ø 5.0 c/ 14		2x3 ø 8.0	0.21	0.29
P33	50.00			6 ø 10.0 4.49					0.08	

Resultados da Viga V35

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

[illegible]

Resultados da Viga V37

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P37	15.00			3 ø 8.0 1.13					0.01	
1	305.05	15.00 x 50.00	3 ø 8.0 1.13			ø 5.0 c/ 23			0.00	0.12
P38	50.00		2 ø 10.0 0.57	5 ø 16.0 10.26					0.10	
2	591.00	15.00 x 50.00	7 ø 8.0 3.44		ø 5.0 c/ 5 130.00	ø 5.0 c/ 23			0.08	0.72
P39	25.00			4 ø 12.5 4.93					0.11	

Resultados da Viga V38

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
V53	20.00								0.00	
1	167.50	15.00 x 40.00	2 ø 8.0 0.90			ø 5.0 c/ 21			0.00	0.08
P41	15.00			2 ø 8.0 0.90					0.01	

Resultados da Viga V39

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P42	20.00			4 ø 8.0 1.86					0.07	
1	487.55	15.00 x 50.00	3 ø 10.0 2.24			ø 5.0 c/ 23			0.12	0.30
P43	50.00			3 ø 16.0 5.93					0.10	
2	591.00	15.00 x 50.00	2 ø 12.5 2.39		ø 5.0 c/ 18 110.00	ø 5.0 c/ 23			0.18	0.54
P44	25.00			2 ø 16.0 3.84					0.21	

Resultados da Viga V40

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

[illegible]

Resultados da Viga V41

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P47	25.00			3 ø 10.0 2.25					0.00	
1	215.05	25.00 x 60.00	3 ø 10.0 2.25			ø 5.0 c/ 14		2x3 ø 8.0	0.01	0.04
P48	50.00			4 ø 12.5 5.07					0.19	
2	656.00	25.00 x 60.00	2 ø 12.5 2.53			ø 5.0 c/ 14		2x3 ø 8.0	0.21	0.29
P49	50.00			4 ø 12.5 4.74					0.17	

Resultados da Viga V42

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
V23	15.00			2 ø 8.0 0.68					0.00	
1	356.25	15.00 x 30.00	4 ø 8.0 1.71			ø 5.0 c/ 15			0.07	1.45
V12	15.00		2 ø 8.0 0.18	2 ø 8.0 0.82					0.05	
2	356.25	15.00 x 30.00	4 ø 8.0 1.92	2 ø 8.0 0.18		ø 5.0 c/ 15			0.07	1.43
V10	15.00		2 ø 8.0 0.18	2 ø 8.0 0.79					0.00	

Resultados da Viga V43

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm²)	As Sup (cm²)	As esq trecho (cm²)	Asw min (cm²)	As dir trecho (cm²)	Asw Pele (cm²)	Fissura (mm)	Flecha (cm)
	50.00			4 ø 10.0 3.00					0.09	
1	185.00	25.00 x 80.00	4 ø 10.0 3.00			ø 5.0 c/ 14		2x4 ø 8.0	0.00	0.09
P11	40.00		4 ø 8.0 1.96	12 ø 12.5 14.85					0.07	
2	875.00	25.00 x 80.00	3 ø 20.0 9.48	4 ø 8.0 1.96		ø 6.3 c/ 7		2x4 ø 8.0	0.19	0.81
P1	70.00		4 ø 8.0 1.96	9 ø 12.5 10.99					0.06	

Resultados da Viga V44

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
	50.00			4 ø 10.0 3.00					0.08	
1	185.00	25.00 x 80.00	4 ø 10.0 3.00			ø 5.0 c/ 14		2x4 ø 8.0	0.00	0.13
P12	40.00			14 ø 12.5 17.26					0.07	
2	875.00	25.00 x 80.00	5 ø 16.0 10.24		ø 5.0 c/ 5 120.00	ø 5.0 c/ 14	ø 5.0 c/ 7 110.00	2x4 ø 8.0	0.14	1.09
P2	70.00			5 ø 20.0 15.45					0.08	

Resultados da Viga V45

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
	50.00			4 ø 10.0 3.00					0.06	
1	185.00	25.00 x 80.00	4 ø 10.0 3.00			ø 5.0 c/ 14		2x4 ø 8.0	0.00	0.12
P13	40.00			5 ø 20.0 15.88					0.08	
2	875.00	25.00 x 80.00	8 ø 12.5 9.88		ø 5.0 c/ 6 120.00	ø 5.0 c/ 14	ø 5.0 c/ 8 110.00	2x4 ø 8.0	0.07	1.04
P3	70.00			12 ø 12.5 14.99					0.07	

Resultados da Viga V46

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
	50.00			4 ø 10.0 3.00					0.06	
1	185.00	25.00 x 80.00	4 ø 10.0 3.00			ø 5.0 c/ 14		2x4 ø 8.0	0.00	0.12
P14	40.00			5 ø 20.0 15.86					0.08	
2	875.00	25.00 x 80.00	5 ø 16.0 9.80		ø 5.0 c/ 6 120.00	ø 5.0 c/ 14	ø 5.0 c/ 8 110.00	2x4 ø 8.0	0.13	1.04
P4	70.00			20 ø 10.0 15.95					0.08	

Resultados da Viga V47

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
	50.00			4 ø 10.0 3.00					0.06	
1	185.00	25.00 x 80.00	4 ø 10.0 3.00			ø 5.0 c/ 14		2x4 ø 8.0	0.00	0.12
P15	40.00			5 ø 20.0 15.72					0.08	
2	875.00	25.00 x 80.00	8 ø 12.5 9.95		ø 5.0 c/ 6 120.00	ø 5.0 c/ 14	ø 5.0 c/ 8 110.00	2x4 ø 8.0	0.07	1.04
P5	70.00			5 ø 20.0 15.33					0.08	

Resultados da Viga V48

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
	50.00			4 ø 10.0 3.00					0.05	
1	185.00	25.00 x 80.00	4 ø 10.0 3.00			ø 5.0 c/ 14		2x4 ø 8.0	0.00	0.13
P16	40.00			5 ø 20.0 15.67					0.08	
2	875.00	25.00 x 80.00	8 ø 12.5 9.93		ø 5.0 c/ 6 120.00	ø 5.0 c/ 14	ø 5.0 c/ 7 110.00	2x4 ø 8.0	0.07	1.03
P6	70.00			5 ø 20.0 15.56					0.08	

Resultados da Viga V49

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
	50.00			4 ø 10.0 3.00					0.04	
1	185.00	25.00 x 80.00	4 ø 10.0 3.00			ø 5.0 c/ 14		2x4 ø 8.0	0.00	0.13
P17	40.00			5 ø 20.0 15.59					0.08	
2	875.00	25.00 x 80.00	8 ø 12.5 9.90		ø 5.0 c/ 6 120.00	ø 5.0 c/ 14	ø 5.0 c/ 7 110.00	2x4 ø 8.0	0.07	1.03
P7	70.00			5 ø 20.0 15.77					0.08	

Resultados da Viga V50

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P28	50.00			4 ø 10.0 3.00					0.04	
1	185.00	25.00 x 80.00	4 ø 10.0 3.00			ø 5.0 c/ 14		2x4 ø 8.0	0.00	0.12
P18	40.00			7 ø 16.0 14.19					0.07	
2	875.00	25.00 x 80.00	18 ø 8.0 9.27		ø 5.0 c/ 7 120.00	ø 5.0 c/ 14	ø 5.0 c/ 9 110.00	2x4 ø 8.0	0.07	0.94
P8	70.00			12 ø 12.5 14.73					0.07	

Resultados da Viga V51

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P29	50.00			4 ø 10.0 3.00					0.04	
1	185.00	25.00 x 80.00	4 ø 10.0 3.00			ø 5.0 c/ 14		2x4 ø 8.0	0.00	0.13
P19	40.00			12 ø 12.5 14.99					0.07	
2	875.00	25.00 x 80.00	3 ø 20.0 9.35		ø 6.3 c/ 11 120.00	ø 6.3 c/ 22	ø 6.3 c/ 14 110.00	2x4 ø 8.0	0.23	0.97
P9	70.00			5 ø 20.0 15.49					0.08	

Resultados da Viga V52

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P46	40.00			4 ø 8.0 1.72					0.04	
1	130.10	15.00 x 50.00	4 ø 8.0 1.73			ø 5.0 c/ 23			0.04	0.06
P42	50.00			3 ø 8.0 1.13					0.00	

Resultados da Viga V53

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P42	50.00			2 ø 10.0 1.63					0.09	
1	334.90	20.00 x 50.00	2 ø 10.0 1.50			ø 5.0 c/ 17			0.02	0.08
P36	50.00			2 ø 10.0 1.50					0.02	

Resultados da Viga V55

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P47	25.00			2 ø 12.5 2.57					0.19	
1	595.55	15.00 x 50.00	4 ø 8.0 1.83			ø 5.0 c/ 23			0.07	0.35
P41	40.00			5 ø 8.0 2.64					0.08	

Resultados da Viga V56

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

[illegible]

Resultados da Viga V57

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P32	25.00			3 ø 12.5 3.60					0.00	
1	405.52	30.00 x 80.00	3 ø 12.5 3.60			ø 5.0 c/ 11		2x5 ø 8.0	0.00	0.08
P20	40.00		2 ø 10.0 1.49	6 ø 16.0 12.15					0.12	
2	874.48	30.00 x 80.00	4 ø 16.0 8.22	2 ø 10.0 1.49		ø 6.3 c/ 7		2x5 ø 8.0	0.16	0.61
P10	70.00		2 ø 10.0 1.49	9 ø 12.5 10.81					0.06	

Resultados da Viga V58

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
V41	25.00			3 ø 8.0 1.13					0.00	
1	365.65	15.00 x 50.00	3 ø 8.0 1.20			ø 5.0 c/ 23			0.07	0.20
P43	25.00			2 ø 12.5 2.52					0.15	
2	385.00	15.00 x 50.00	3 ø 8.0 1.15			ø 5.0 c/ 23			0.07	0.21
P38	25.00			2 ø 12.5 2.52					0.17	
3	368.15	15.00 x 50.00	3 ø 8.0 1.14			ø 5.0 c/ 23			0.06	0.18
V34	25.00			3 ø 8.0 1.13					0.00	

Resultados da Viga V59

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
V33	15.00			2 ø 8.0 0.68					0.00	
1	356.25	15.00 x 30.00	2 ø 10.0 1.63			ø 5.0 c/ 15			0.16	1.22
V13	15.00		2 ø 8.0 0.17	2 ø 8.0 0.87					0.06	
2	356.25	15.00 x 30.00	4 ø 8.0 1.73	2 ø 8.0 0.17		ø 5.0 c/ 15			0.06	1.15
V11	15.00		2 ø 8.0 0.17	2 ø 8.0 0.78					0.00	

Resultados da Viga V60

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
V39	15.00			2 ø 8.0 0.90					0.00	
1	385.00	15.00 x 40.00	2 ø 12.5 2.46			ø 5.0 c/ 21	ø 5.0 c/ 5 50.00		0.18	0.77
V37	15.00			2 ø 8.0 0.90					0.00	

Resultados da Viga V61

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm²)	As Sup (cm²)	As esq trecho (cm²)	Asw min (cm²)	As dir trecho (cm²)	Asw Pele (cm²)	Fissura (mm)	Flecha (cm)
P49	25.00			3 ø 10.0 2.25					0.05	
1	375.65	25.00 x 60.00	3 ø 10.0 2.25			ø 5.0 c/ 14		2x3 ø 8.0	0.02	0.09
P44	60.00			6 ø 8.0 2.73					0.04	
2	295.00	25.00 x 60.00	3 ø 10.0 2.25			ø 5.0 c/ 14		2x3 ø 8.0	0.01	0.08
P39	60.00			3 ø 10.0 2.25					0.03	
3	378.15	25.00 x 60.00	3 ø 10.0 2.25			ø 5.0 c/ 14		2x3 ø 8.0	0.01	0.08
P33	25.00			3 ø 10.0 2.25					0.02	

Resultados da Viga V62

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P44	60.00			2 ø 12.5 2.56					0.10	
1	295.00	25.00 x 40.00	2 ø 10.0 1.50			ø 5.0 c/ 14			0.03	0.08
P39	60.00			2 ø 10.0 1.50					0.00	

Resultados da Viga V63

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P36	50.00			3 ø 8.0 1.37					0.03	
1	155.00	15.00 x 50.00	3 ø 8.0 1.13			ø 5.0 c/ 23			0.01	0.04
P35	40.00			3 ø 8.0 1.13					0.00	

Resultados da Viga V64

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P36	20.00			2 ø 8.0 0.90					0.00	
1	167.50	15.00 x 40.00	2 ø 8.0 0.90			ø 5.0 c/ 21			0.01	0.04
P37	15.00			2 ø 8.0 0.90					0.02	

Dados das Lajes

SUPERIOR	fck = 300.00 kgf/cm ²	E = 268384 kgf/cm ²	Peso Espec = 2500.00 kgf/m ³
Lance 2		cobr (externo) = 3.00 cm cobr (contato solo) = 3.00 cm	

Seção (cm)						Cargas (kgf/m ²)				Temperatur a Caso T1 Caso T2 (°C)	Retraça o Deform. X Deform. Y (‰)
Laje	Tipo	H	ee ec	enx eny	eex eey	Peso Próprio	Acidental Revestimento	Paredes Outras	Total		
L1	Nervurada	25	20.0 0 5.00	12.5 0 12.5 0	67.5 0 67.5 0	285.13	300.00 181.50	0.00 0.00	766.6 3		
L2	Nervurada	25	20.0 0 5.00	12.5 0 12.5 0	67.5 0 67.5 0	285.13	300.00 181.50	0.00 0.00	766.6 3		
L3	Nervurada	25	20.0 0 5.00	12.5 0 12.5 0	67.5 0 67.5 0	285.13	300.00 181.50	0.00 0.00	766.6 3		
L4	Nervurada	25	20.0 0 5.00	12.5 0 12.5 0	67.5 0 67.5 0	285.13	300.00 181.50	0.00 0.00	766.6 3		
L5	Nervurada	25	20.0 0 5.00	12.5 0 12.5 0	67.5 0 67.5 0	285.13	300.00 181.50	0.00 0.00	766.6 3		
L6	Nervurada	25	20.0 0 5.00	12.5 0 12.5 0	67.5 0 67.5 0	285.13	300.00 181.50	0.00 0.00	766.6 3		
L7	Nervurada	25	20.0 0 5.00	12.5 0 12.5 0	67.5 0 67.5 0	285.13	300.00 181.50	0.00 0.00	766.6 3		
L8	Nervurada	25	20.0 0 5.00	12.5 0 12.5 0	67.5 0 67.5 0	285.13	300.00 181.50	0.00 0.00	766.6 3		
L9	Nervurada	25	20.0 0 5.00	12.5 0 12.5 0	67.5 0 67.5 0	285.13	300.00 181.50	0.00 0.00	766.6 3		
L10	Treliçada 1D	15	10.0 0 5.00	9.00	40.0 0	172.55	300.00 154.50	0.00 0.00	627.0 5		
L11	Treliçada 1D	15	10.0 0 5.00	9.00	40.0 0	172.55	300.00 154.50	0.00 0.00	627.0 5		
L12	Treliçada 1D	15	10.0 0 5.00	9.00	40.0 0	172.55	300.00 154.50	0.00 0.00	627.0 5		
L13	Treliçada	1	10.0	9.00	40.0	172.55	300.00	0.00	627.0		

	1D	5	0 5.00		0		154.50	0.00	5		
L14	Treliçada 1D	1 5	10.0 0 5.00	9.00	40.0 0	172.55	300.00 154.50	0.00 0.00	627.0 5		
L15	Treliçada 1D	1 5	10.0 0 5.00	9.00	40.0 0	172.55	300.00 154.50	0.00 0.00	627.0 5		
L16	Treliçada 1D	1 5	10.0 0 5.00	9.00	40.0 0	172.55	300.00 154.50	0.00 0.00	627.0 5		
L17	Treliçada 1D	1 5	10.0 0 5.00	9.00	40.0 0	172.55	300.00 154.50	0.00 0.00	627.0 5		
L18	Treliçada 1D	1 5	10.0 0 5.00	9.00	40.0 0	172.55	300.00 154.50	0.00 0.00	627.0 5		
L19	Treliçada 1D	1 5	10.0 0 5.00	9.00	40.0 0	172.55	300.00 154.50	0.00 0.00	627.0 5		
L20	Treliçada 1D	1 5	10.0 0 5.00	9.00	40.0 0	172.55	300.00 154.50	0.00 0.00	627.0 5		
L21	Treliçada 1D	1 5	10.0 0 5.00	9.00	40.0 0	172.55	300.00 154.50	0.00 0.00	627.0 5		
L22	Treliçada 1D	1 5	10.0 0 5.00	9.00	40.0 0	172.55	300.00 154.50	0.00 0.00	627.0 5		
L23	Treliçada 1D	1 5	10.0 0 5.00	9.00	40.0 0	172.55	300.00 154.50	0.00 0.00	627.0 5		
L24	Treliçada 1D	1 5	10.0 0 5.00	9.00	40.0 0	172.55	300.00 154.50	0.00 0.00	627.0 5		
L25	Treliçada 1D	1 5	10.0 0 5.00	9.00	40.0 0	172.55	200.00 168.75	0.00 0.00	541.3 0		
L27	Treliçada 1D	1 5	10.0 0 5.00	9.00	40.0 0	172.55	300.00 154.50	0.00 0.00	627.0 5		
L28	Treliçada 1D	1 5	10.0 0 5.00	9.00	40.0 0	172.55	300.00 154.50	0.00 0.00	627.0 5		
L29	Treliçada 1D	1 5	10.0 0 5.00	9.00	40.0 0	172.55	200.00 154.50	0.00 0.00	527.0 5		
L30	Treliçada 1D	1 5	10.0 0 5.00	9.00	40.0 0	172.55	200.00 154.50	0.00 0.00	527.0 5		
L31	Treliçada 1D	1 5	10.0 0 5.00	9.00	40.0 0	172.55	300.00 154.50	0.00 0.00	627.0 5		
L32	Treliçada 1D	1 5	10.0 0 5.00	9.00	40.0 0	172.55	200.00 168.75	0.00 0.00	541.3 0		
L33	Treliçada 1D	1 5	10.0 0 5.00	9.00	40.0 0	172.55	200.00 154.50	0.00 0.00	527.0 5		

Resultados da Laje

SUPERIOR	fck = 300.00 kgf/cm ²	E = 268384 kgf/cm ²	Peso Espec = 2500.00 kgf/m ³
Lance 2		cobr (externo) = 3.00 cm cobr (contato solo) = 3.00 cm	

Nome	Espessura (cm)	Carga (kgf/m ²)	Mdx (kgf.m/m)	Mdy (kgf.m/m)	Asx	Asy	Flecha (cm)
L1	25	766.63	2175	1214	As = 1.91 cm ² /N (1ø16.0 c/N - 2.01 cm ² /N)	As = 1.14 cm ² /N (1ø12.5 c/N - 1.23 cm ² /N)	-1.08
L2	25	766.63	1603	1175	As = 1.44 cm ² /N (3ø8.0 c/N - 1.51 cm ² /N)	As = 1.05 cm ² /N (2ø8.0 c/N - 1.01 cm ² /N)	-0.91
L3	25	766.63	1654	1142	As = 1.49 cm ² /N (3ø8.0 c/N - 1.51 cm ² /N)	As = 1.02 cm ² /N (2ø8.0 c/N - 1.01 cm ² /N)	-0.94
L4	25	766.63	1649	1145	As = 1.48 cm ² /N (3ø8.0 c/N - 1.51 cm ² /N)	As = 1.02 cm ² /N (2ø8.0 c/N - 1.01 cm ² /N)	-0.94
L5	25	766.63	1648	1145	As = 1.48 cm ² /N (3ø8.0 c/N - 1.51 cm ² /N)	As = 1.02 cm ² /N (2ø8.0 c/N - 1.01 cm ² /N)	-0.94
L6	25	766.63	1653	1146	As = 1.49 cm ² /N (3ø8.0 c/N - 1.51 cm ² /N)	As = 1.02 cm ² /N (2ø8.0 c/N - 1.01 cm ² /N)	-0.94
L7	25	766.63	1663	1142	As = 1.50 cm ² /N (3ø8.0 c/N - 1.51 cm ² /N)	As = 1.02 cm ² /N (2ø8.0 c/N - 1.01 cm ² /N)	-0.91
L8	25	766.63	1581	1074	As = 1.42 cm ² /N (3ø8.0 c/N - 1.51 cm ² /N)	As = 0.96 cm ² /N (2ø8.0 c/N - 1.01 cm ² /N)	-0.86
L9	25	766.63	2121	1117	As = 1.87 cm ² /N (1ø16.0 c/N - 2.01 cm ² /N)	As = 1.04 cm ² /N (2ø8.0 c/N - 1.01 cm ² /N)	-0.99
L10	15	627.05	253		As = 0.50 cm ² /N (TR 10644 - 0.28 cm ² /N) (1ø6.3 c/N - 0.31 cm ² /N)		-0.92
L11	15	627.05	212		As = 0.50 cm ² /N (TR 10644 - 0.28 cm ² /N) (1ø6.3 c/N - 0.31 cm ² /N)		-0.78
L12	15	627.05	253		As = 0.50 cm ² /N (TR 10644 - 0.28 cm ² /N) (1ø6.3 c/N - 0.31 cm ² /N)		-0.83
L13	15	627.05	249		As = 0.50 cm ² /N (TR 10644 - 0.28 cm ² /N) (1ø6.3 c/N - 0.31 cm ² /N)		-0.74
L14	15	627.05	426		As = 0.50 cm ² /N (TR 10644 - 0.28 cm ² /N) (1ø6.3 c/N - 0.31 cm ² /N)		-0.22

					cm ² /N)		
L15	15	627.05	426		As = 0.50 cm ² /N (TR 10644 - 0.28 cm ² /N) (1ø6.3 c/N - 0.31 cm ² /N)		-0.17
L16	15	627.05	426		As = 0.50 cm ² /N (TR 10644 - 0.28 cm ² /N) (1ø6.3 c/N - 0.31 cm ² /N)		-0.14
L17	15	627.05	426		As = 0.50 cm ² /N (TR 10644 - 0.28 cm ² /N) (1ø6.3 c/N - 0.31 cm ² /N)		-0.15
L18	15	627.05	426		As = 0.50 cm ² /N (TR 10644 - 0.28 cm ² /N) (1ø6.3 c/N - 0.31 cm ² /N)		-0.15
L19	15	627.05	426		As = 0.50 cm ² /N (TR 10644 - 0.28 cm ² /N) (1ø6.3 c/N - 0.31 cm ² /N)		-0.15
L20	15	627.05	426		As = 0.50 cm ² /N (TR 10644 - 0.28 cm ² /N) (1ø6.3 c/N - 0.31 cm ² /N)		-0.15
L21	15	627.05	426		As = 0.50 cm ² /N (TR 10644 - 0.28 cm ² /N) (1ø6.3 c/N - 0.31 cm ² /N)		-0.14
L22	15	627.05	426		As = 0.50 cm ² /N (TR 10644 - 0.28 cm ² /N) (1ø6.3 c/N - 0.31 cm ² /N)		-0.19
L23	15	627.05	505		As = 0.50 cm ² /N (TR 10644 - 0.28 cm ² /N) (1ø6.3 c/N - 0.31 cm ² /N)		-0.13
L24	15	627.05	1118		As = 0.95 cm ² /N (TR 10644 - 0.28 cm ² /N) (1ø10.0 c/N - 0.79 cm ² /N)		-0.46
L25	15	541.30	1488		As = 1.27 cm ² /N (TR 10644 - 0.28 cm ² /N) (2ø8.0 c/N - 1.01 cm ² /N)		-1.17
L27	15	627.05	1124		As = 0.95 cm ² /N (TR 10644 - 0.28 cm ² /N) (1ø10.0 c/N - 0.79 cm ² /N)		-0.49
L28	15	627.05	253		As = 0.50 cm ² /N (TR 10644 - 0.28 cm ² /N) (1ø6.3 c/N - 0.31 cm ² /N)		-0.26
L29	15	527.05	276		As = 0.50 cm ² /N		-0.18

					(TR 10644 - 0.28 cm ² /N) (1ø6.3 c/N - 0.31 cm ² /N)		
L30	15	527.05	247		As = 0.50 cm ² /N (TR 10644 - 0.28 cm ² /N) (1ø6.3 c/N - 0.31 cm ² /N)		-0.24
L31	15	627.05	1110		As = 0.94 cm ² /N (TR 10644 - 0.28 cm ² /N) (1ø10.0 c/N - 0.79 cm ² /N)		-0.54
L32	15	541.30	1465		As = 1.25 cm ² /N (TR 10644 - 0.28 cm ² /N) (2ø8.0 c/N - 1.01 cm ² /N)		-1.14
L33	15	527.05	314		As = 0.50 cm ² /N (TR 10644 - 0.28 cm ² /N) (1ø6.3 c/N - 0.31 cm ² /N)		-0.07

ARMADURA NEGATIVA							
Dados				Resultados			
Viga	Trecho	Laje 1	Laje 2	Reação 1 (kgf.m/m)	Reação 2 (kgf.m/m)	Md (kgf.m/m)	As (cm ²)
V43	4	L1		1136		-1299	As = 1.45 cm ² /m (ø6.3 c/20 - 1.56 cm ² /m)
V43	3	L1		1864		-3107	As = 3.81 cm ² /m (ø6.3 c/8 - 3.90 cm ² /m)
V43	2	L1		2248		-3367	As = 4.21 cm ² /m (ø8.0 c/11 - 4.57 cm ² /m)
V44	2	L1	L2	1953	1941	-3679	As = 4.73 cm ² /m (ø10.0 c/16 - 4.91 cm ² /m)
V45	2	L2	L3	1793	1882	-3329	As = 4.15 cm ² /m (ø8.0 c/12 - 4.19 cm ² /m)
V46	2	L3	L4	1805	1886	-3314	As = 4.13 cm ² /m (ø8.0 c/12 - 4.19 cm ² /m)
V47	2	L4	L5	1803	1885	-3323	As = 4.15 cm ² /m (ø8.0 c/12 - 4.19 cm ² /m)
V48	2	L5	L6	1804	1887	-3323	As = 4.15 cm ² /m (ø8.0 c/12 - 4.19 cm ² /m)
V49	2	L6	L7	1801	1884	-3315	As = 4.13 cm ² /m (ø8.0 c/12 - 4.19 cm ² /m)
V50	2	L7	L8	1794	1858	-3252	As = 4.07 cm ² /m (ø10.0 c/19 - 4.13 cm ² /m)
V51	2	L8	L9	1822	1993	-3452	As = 4.32 cm ² /m (ø6.3 c/7 - 4.45 cm ² /m)
V57	3	L9		1925		-3055	As = 3.75 cm ² /m (ø8.0 c/13 - 3.87 cm ² /m)
V57	4	L9		1859		-2932	As = 3.57 cm ² /m

							(ø8.0 c/14 - 3.59 cm ² /m)
V57	5	L9		1143		-1568	As = 1.77 cm ² /m (ø6.3 c/17 - 1.83 cm ² /m)

Dados da Escada

SUPERIOR	fck = 300.00 kgf/cm²	E = 268384 kgf/cm²	Peso Espec = 2500.00 kgf/m³
Lance 2		cobr (externo) = 3.00 cm cobr (contato solo) = 3.00 cm	

ESCADA: E1

Seção (cm)				Carregamento (kgf/m²)				Temperatura Caso T1 Caso T2 (°C)	Retração Deform. X Deform. Y (‰)
Trecho	Piso	Espelho	Espessura	Peso Próprio	Acidental Revestimento	Paredes Outras	Total		
LE1			12	300.00	300.00 154.50	0.00 0.00	754.50		
LE2	31	16	12	547.15	300.00 159.00	0.00 0.00	1006.15		
LE3	31	16	12	547.15	300.00 159.00	0.00 0.00	1006.15		

Resultados da Escada

SUPERIOR	fck = 300.00 kgf/cm ²	E = 268384 kgf/cm ²	Peso Espec = 2500.00 kgf/m ³
Lance 2		cobr (externo) = 3.00 cm cobr (contato solo) = 3.00 cm	

ESCADA: E1

ARMADURAS NA LAJE									
Esforços					Resultados				
Trecho	Ndx Rdx (tf)	Ndy Rdy (tf)	Mdx (kgf.m/m)	Mdy (kgf.m/m)	Armadura inferior		Armadura superior		Flecha (cm)
					Asx	Asy	Asx	Asy	
LE1	7.26 -7.15	0.93 -0.92	521	146	As = 3.28 cm ² /m ø8.0 c/15 (3.35 cm ² /m)	As = 1.44 cm ² /m ø6.3 c/20 (1.56 cm ² /m)	A's = 1.42 cm ² /m ø6.3 c/20 (1.56 cm ² /m)		-0.39
LE2	14.20 -44.34	0.53 -4.35	1352	232	As = 12.30 cm ² /m ø10.0 c/6 (13.09 cm ² /m)	As = 2.46 cm ² /m ø8.0 c/20 (2.51 cm ² /m)			-0.69
LE3	40.60 -13.46	4.04 -0.51	1344	214	As = 6.36 cm ² /m ø10.0 c/12 (6.54 cm ² /m)	As = 1.27 cm ² /m ø6.3 c/24 (1.30 cm ² /m)			-0.69

Pavimento BARRILETE

Resultados dos Pilares

BARRILETE	fck = 300.00 kgf/cm ²	E = 268384 kgf/cm ²	Peso Espec = 2500.00 kgf/m ³
Lance 3		cobr = 3.00 cm	

Dados					Resultados					
Pilar	Seção (cm)	Nível Altura (cm)	lib lih (cm)	vínc vínc (cm)	Nd máx Nd mín (tf)	MBd topo MBd base (kgf.m)	MHd topo MHd base (kgf.m)	As b Ferros As h % armad total	Estribo Topo Base cota	Esb b Esb h
P1 1:20	25.00 X 70.00	815.00 495.00	495.00 495.00	RR RR	31.95 20.36	4807 3256	951 15282	Erro D1		
P2 1:20	25.00 X 70.00	815.00 495.00	495.00 495.00	RR RR	55.35 36.24	1207 789	1397 19755	Erro D1		
P3 1:20	25.00 X 70.00	815.00 495.00	495.00 495.00	RR RR	51.36 33.40	799 633	3374 18275	Erro D1		
P4 1:20	25.00 X 70.00	815.00 495.00	495.00 495.00	RR RR	51.90 33.72	678 584	2834 18665	Erro D1		
P5 1:20	25.00 X 70.00	815.00 495.00	495.00 495.00	RR RR	51.79 33.57	699 591	2984 18665	Erro D1		
P6 1:20	25.00 X 70.00	815.00 495.00	495.00 495.00	RR RR	51.85 33.54	695 591	3156 18649	Erro D1		
P7 1:20	25.00 X 70.00	815.00 495.00	495.00 495.00	RR RR	52.04 33.61	704 585	3301 18616	Erro D1		
P8 1:20	25.00 X 70.00	815.00 495.00	495.00 495.00	RR RR	51.62 33.25	585 536	4564 16962	Erro D1		
P9 1:20	25.00 X 70.00	815.00 495.00	495.00 495.00	RR RR	55.54 35.87	1415 981	3516 18260	Erro D1		
P10 1:20	25.00 X 70.00	815.00 495.00	495.00 495.00	RR RR	26.88 16.29	4635 3268	3165 13250	Erro D1		
P11 1:20	25.00 X 40.00	815.00 495.00	495.00 495.00	RR RR	15.78 10.28	2475 2425	6795 7421	Erro D1		
P12 1:20	25.00 X 40.00	815.00 495.00	495.00 495.00	RR RR	26.65 17.76	761 576	9543 9760	Erro D1		
P13 1:20	25.00 X 40.00	815.00 495.00	495.00 495.00	RR RR	23.89 15.66	420 548	8809 9165	Erro D1		
P14 1:20	25.00 X 40.00	815.00 495.00	495.00 495.00	RR RR	26.25 17.22	425 418	8875 9252	Erro D1		
P15 1:20	25.00 X 40.00	815.00 495.00	495.00 495.00	RR RR	27.66 18.09	419 384	8834 9269	Erro D1		
P16 1:20	25.00 X 40.00	815.00 495.00	495.00 495.00	RR RR	27.69 17.97	413 387	8801 9233	Erro D1		
P17	25.00	815.00	495.00	RR	27.92	412	8785	Erro D1		

1:20	X 40.00	495.00	495.00	RR	18.01	376	9202			
P18 1:20	25.00 X 40.00	815.00 495.00	495.00 495.00	RR RR	27.19 17.29	448 367	8538 8708	Erro D1		
P19 1:20	25.00 X 40.00	815.00 495.00	495.00 495.00	RR RR	31.00 20.13	800 618	9208 9183	Erro D1		
P20 1:20	25.00 X 40.00	815.00 495.00	495.00 495.00	RR RR	14.23 8.32	2408 2103	6074 6548	Erro D1		
P21 1:20	25.00 X 50.00	815.00 495.00	495.00 495.00	RR RR	16.14 8.90	2468 1028	1695 1175	Erro D1		
P22 1:20	25.00 X 50.00	815.00 495.00	495.00 495.00	RR RR	30.37 18.41	798 473	2965 1347	Erro D1		
P23 1:20	25.00 X 50.00	815.00 495.00	495.00 495.00	RR RR	28.89 17.29	527 450	3169 1707	Erro D1		
P24 1:20	25.00 X 50.00	815.00 495.00	495.00 495.00	RR RR	25.00 14.33	542 428	2367 1460	Erro D1		
P25 1:20	25.00 X 50.00	815.00 495.00	495.00 495.00	RR RR	21.16 11.44	487 453	2309 2027	Erro D1		
P26 1:20	25.00 X 50.00	815.00 495.00	495.00 495.00	RR RR	21.39 11.44	489 459	2385 2130	Erro D1		
P27 1:20	25.00 X 50.00	815.00 495.00	495.00 495.00	RR RR	21.33 11.24	488 454	2520 2277	Erro D1		
P28 1:20	25.00 X 50.00	815.00 495.00	495.00 495.00	RR RR	19.34 9.55	512 435	2617 2389	Erro D1		
P29 1:20	25.00 X 50.00	815.00 495.00	495.00 495.00	RR RR	18.21 9.13	732 585	3135 2862	Erro D1		
P30 1:20	25.00 X 50.00	815.00 495.00	495.00 495.00	RR RR	10.27 4.54	2178 1063	4316 3855	Erro D1		
P31 1:20	25.00 X 25.00	815.00 495.00	495.00 495.00	RR RR	9.22 5.13	478 431	600 473	Erro D1		
P32 1:20	25.00 X 50.00	815.00 495.00	495.00 495.00	RR RR	15.18 7.86	1358 1297	5341 4678	Erro D1		
P33 1:20	25.00 X 50.00	815.00 495.00	495.00 495.00	RR RR	11.65 5.54	1965 1653	7097 5671	Erro D1		
P35 1:20	15.00 X 40.00	815.00 495.00	495.00 495.00	RR RR	6.52 2.67	261 249	1127 1109	Erro D1		
P36 1:20	20.00 X 50.00	815.00 495.00	495.00 495.00	RR RR	28.99 14.35	567 337	1502 2234	Erro D1		
P37 1:20	15.00 X 40.00	815.00 495.00	495.00 495.00	RR RR	8.96 4.87	230 210	1852 1660	Erro D1		
P38 1:20	25.00 X 50.00	815.00 495.00	495.00 495.00	RR RR	79.67 50.44	953 620	4455 6122	Erro D1		
P39 1:20	25.00 X 60.00	815.00 495.00	495.00 495.00	RR RR	47.38 25.69	3194 3813	4378 3669	Erro D1		
P41 1:20	15.00 X	815.00 495.00	495.00 495.00	RR RR	9.15 4.48	175 155	2229 2109	Erro D1		

	40.00									
P42 1:20	20.00 X 50.00	815.00 495.00	495.00 495.00	RR RR	33.83 17.95	1228 1480	1518 1735	Erro D1		
P43 1:20	25.00 X 50.00	815.00 495.00	495.00 495.00	RR RR	81.82 51.72	1033 766	1821 1914	Erro D1		
P44 1:20	25.00 X 60.00	815.00 495.00	495.00 495.00	RR RR	47.45 25.79	2912 3143	4738 5041	Erro D1		
P46 1:20	15.00 X 40.00	815.00 495.00	495.00 495.00	RR RR	8.15 3.06	33 374	1301 1213	Erro D1		
P47 1:20	25.00 X 25.00	815.00 495.00	495.00 495.00	RR RR	9.53 5.28	833 664	2344 1976	Erro D1		
P48 1:20	25.00 X 50.00	815.00 495.00	495.00 495.00	RR RR	14.03 8.21	655 216	5825 5041	Erro D1		
P49 1:20	25.00 X 50.00	815.00 495.00	495.00 495.00	RR RR	11.86 5.73	2010 1642	7359 5625	Erro D1		

Vigas do pavimento BARRILETE

Viga	Vãos			Nós			Avisos
	Md (kgf.m)	As	Als	Md (kgf.m)	As	Als	
V1	4566.38	Erro D1		-14.24 -2172.53	Erro D1		
V2	2111.59	Erro D1		-2220.67 -3289.85	Erro D1		
V3	1669.56	Erro D1		-3281.93 -3282.68	Erro D1		
V4	1701.08	Erro D1		-3284.05 -3208.17	Erro D1		
V5	1745.94	Erro D1		-3210.72 -3202.04	Erro D1		
V6	1713.68	Erro D1		-3204.39 -3262.43	Erro D1		
V7	1670.35	Erro D1		-3265.53 -3296.90	Erro D1		
V8	2173.14	Erro D1		-3308.90 -2080.71	Erro D1		
V9	4662.05	Erro D1		-2038.68 -19.73	Erro D1		
V10	4849.68	Erro D1		-4813.35 -7818.80	Erro D1		
V11	3231.05	Erro D1		-7114.12 -6286.15	Erro D1		
V12	3453.10	Erro D1		-6536.95 -6505.36	Erro D1		
V13	3412.42	Erro D1		-6615.70 -6465.30	Erro D1		
V14	3417.46	Erro D1		-6596.58 -6467.92	Erro D1		
V15	3413.31	Erro D1		-6595.48 -6479.09	Erro D1		
V16	3448.03	Erro D1		-6616.41 -6412.05	Erro D1		
V17	3237.55	Erro D1		-6417.61 -6949.16	Erro D1		
V18	4757.45	Erro D1		-7876.11 -4630.96	Erro D1		
V19	3000.39	Erro D1		-2416.12 -4045.30	Erro D1		
V20	1711.20	Erro D1		-3653.02 -3266.97	Erro D1		
V21	1941.87	Erro D1		-3249.69 -3384.10	Erro D1		
V22	1920.41	Erro D1		-3414.77 -3365.12	Erro D1		
V23	1932.84	Erro D1		-3384.77 -3386.32	Erro D1		
V24	1927.36	Erro D1		-3398.83 -3379.56	Erro D1		
V25	1958.65	Erro D1		-3390.80 -3351.05	Erro D1		
V26	1750.65	Erro D1		-3288.03 -3754.39	Erro D1		
V27	3143.83	Erro D1		-4197.58 -2393.75	Erro D1		
V28	3608.29 2490.94	Erro D1		-2533.76 -6242.50	Erro D1		

	2656.18 2498.04 2512.54 2513.86 2532.02 2417.88 3029.07			-5307.54 -5320.14 -5177.75 -5180.24 -5187.52 -5134.11 -5733.41 -2405.57			
V29	4609.97 2023.92 2799.27 599.67 1139.65 1185.79 1140.75 1463.47 1066.33	Erro D1		-4814.65 -4370.09 -3363.77 -2335.37 -2253.03 -2235.05 -2388.19 -2017.30 -44.84	Erro D1		
V30	889.17 5374.34	Erro D1		-9645.15 -3663.34 -6898.26	Erro D1		
V31	60.36	Erro D1		-285.49	Erro D1		
V32	0.11 1061.84 5580.64	Erro D1		-1128.11 -1974.27 -10503.18 -10079.74	Erro D1		
V33	188.39	Erro D1		-200.81	Erro D1		
V34	3532.44 5522.98	Erro D1		-4669.54 -10589.68 -9973.62	Erro D1		
V35	8.43 0.11 5444.24	Erro D1		-3.11 -3046.42 -9276.93 -3246.63 -7142.45	Erro D1		
V36	0.11 0.11 10949.53 0.11	Erro D1		-11.96 -10052.41 -12708.15 -23309.74 -21.23	Erro D1		
V37	13.21 0.11 18543.61 20.67	Erro D1		-20146.75 -21519.97 -41044.70	Erro D1		
V38	3.68 0.11 16423.87 1.19	Erro D1		-18672.69 -19117.13 -39748.77	Erro D1		
V39	0.21 0.11 16843.61 0.11	Erro D1		-14573.15 -19810.39 -39395.66 -0.95	Erro D1		
V40	0.11 0.11 16791.52 0.11	Erro D1		-5.50 -11015.05 -19791.43 -39278.79 -0.14	Erro D1		
V41	0.34 0.11 16797.50 0.11	Erro D1		-11279.63 -19753.64 -39281.35	Erro D1		
V42	0.26 0.11 16874.25 0.11	Erro D1		-0.10 -11355.70 -19842.32 -39371.99 -1.00	Erro D1		
V43	1.68 0.11	Erro D1		-0.14 -10748.41	Erro D1		

	16473.17 1.65			-19503.75 -39876.96			
V44	49.19 0.11 18619.30 22.26	Erro D1		-10210.20 -22055.97 -40922.10	Erro D1		
V45	388.18 2872.61	Erro D1		-2896.67 -0.04	Erro D1		
V46	1222.32	Erro D1		-2325.91 -2296.40	Erro D1		
V47	1831.98 242.83	Erro D1		-466.75 -2069.35	Erro D1		
V48	3465.82	Erro D1		-2748.91 -4049.90	Erro D1		
V49	87.53 1554.84 91.44	Erro D1		-3048.66 -2176.44 -3760.55 -2862.43	Erro D1		
V50	973.07 0.11 8502.88 0.11	Erro D1		-1066.36 -6161.53 -9848.58 -20819.33 -22.89	Erro D1		
V51	2332.93 1158.11 2352.90	Erro D1		-534.01 -3808.17 -3760.25 -462.25	Erro D1		
V52	2387.81 2359.15 2357.86	Erro D1		-1974.94 -4590.45 -4713.36 -1931.04	Erro D1		

Esforços da Viga V1

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
V36		25.0 0								2.30				
1	600. 00 575. 00	575. 00	540.0 0	0.00			0.1 3	- 0.1 6	3.5 1		4566. 38	12.20	- 14.24 - 2172. 53	
V37		25.0 0								2.57				

Esforços da Viga V2

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
V37		25.0 0								1.97				
1	600. 00 575. 00	575. 00	540.0 0	0.00			0.3 2	- 0.7 5	3.1 0		2111. 59		- 2220. 67 - 3289. 85	- 1.10
V38		25.0 0								2.26				

Esforços da Viga V3

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (%)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
V38		25.0 0								2.14				
1	600. 00 575. 00	575. 00	540.0 0	0.00			0.6 5	- 1.5 8	2.9 5		1669. 56		- 3281. 93 - 3282. 68	- 1.07
V39		25.0 0								2.16				

Esforços da Viga V4

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
V39		25.0 0								2.15				
1	600. 00 575. 00	575. 00	540.0 0	0.00			0.9 3	- 2.4 2	2.9 4		1701. 08		- 3284. 05 - 3208. 17	- 1.07
V40		25.0 0								2.15				

Esforços da Viga V5

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
V40		25.0 0								2.14				
1	600. 00 575. 00	575. 00	540.0 0	0.00			1.1 0	- 3.0 3	2.9 5		1745. 94		- 3210. 72 - 3202. 04	- 1.07
V41		25.0 0								2.16				

Esforços da Viga V6

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
V41		25.0 0								2.13				
1	600. 00 575. 00	575. 00	540.0 0	0.00			1.0 4	- 3.2 1	2.9 6		1713. 68		- 3204. 39 - 3262. 43	- 1.08
V42		25.0 0								2.16				

Esforços da Viga V7

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
V42		25.0 0								2.14				
1	600. 00 575. 00	575. 00	540.0 0	0.00			0.5 8	- 2.8 6	2.9 6		1670. 35		- 3265. 53 - 3296. 90	- 1.09
V43		25.0 0								2.16				

Esforços da Viga V8

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
V43		25.0 0								2.26				
1	600. 00 575. 00	575. 00	540.0 0	0.00			0.0 0	- 1.8 0	3.1 0		2173. 14		- 3308. 90 - 2080. 71	- 1.12
V44		25.0 0								1.97				

Esforços da Viga V9

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
V44		25.0 0								2.55				
1	600. 00 575. 00	575. 00	540.0 0	0.00			0.0 0	- 0.7 7	3.4 9		4662. 05	7.90	- 2038. 68 - 19.73	
V50		25.0 0								2.33				

Esforços da Viga V10

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (%)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P1		25.0 0								5.02				
1	600. 00 575. 00	575. 00	250.0 0	0.00			1.5 6	0.0 0	7.0 0		4849. 68		- 4813. 35 - 7818. 80	- 0.47
P2		25.0 0								4.84				

Esforços da Viga V11

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (%)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P2		25.0 0								4.15				
1	600. 00 575. 00	575. 00	250.0 0	0.00			1.7 6	0.0 0	5.7 6		3231. 05		- 7114. 12 - 6286. 15	- 0.30
P3		25.0 0								3.93				

Esforços da Viga V12

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (%)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P3		25.0 0								4.16				
1	600. 00 575. 00	575. 00	250.0 0	0.00			2.4 9	0.0 0	5.7 7		3453. 10		- 6536. 95 - 6505. 36	- 0.33
P4		25.0 0								4.07				

Esforços da Viga V13

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (%)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P4		25.0 0								4.15				
1	600. 00 575. 00	575. 00	250.0 0	0.00			3.2 2	0.0 0	5.7 6		3412. 42		- 6615. 70 - 6465. 30	- 0.32
P5		25.0 0								4.04				

Esforços da Viga V14

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (%)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P5		25.0 0								4.15				
1	600. 00 575. 00	575. 00	250.0 0	0.00			3.7 6	0.0 0	5.7 6		3417. 46		- 6596. 58 - 6467. 92	- 0.32
P6		25.0 0								4.04				

Esforços da Viga V15

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P6		25.0 0								4.14				
1	600. 00 575. 00	575. 00	250.0 0	0.00			3.9 3	0.0 0	5.7 5		3413. 31		- 6595. 48 - 6479. 09	- 0.32
P7		25.0 0								4.04				

Esforços da Viga V16

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (%)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P7		25.0 0								4.16				
1	600. 00 575. 00	575. 00	250.0 0	0.00			3.6 3	0.0 0	5.7 8		3448. 03		- 6616. 41 - 6412. 05	- 0.32
P8		25.0 0								4.04				

Esforços da Viga V17

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P8		25.0 0								4.02				
1	600. 00 575. 00	575. 00	250.0 0	0.00			2.7 5	0.0 0	5.6 3		3237. 55		- 6417. 61 - 6949. 16	- 0.30
P9		25.0 0								4.06				

Esforços da Viga V18

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (%)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P9		25.0 0								4.94				
1	600. 01 575. 01	575. 01	250.0 0	0.00			2.2 0	0.0 0	6.8 5		4757. 45		- 7876. 11 - 4630. 96	- 0.46
P10		25.0 0								4.68				

Esforços da Viga V19

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P11		25.0 0								2.48				
1	600. 05 575. 05	575. 05	250.0 0	0.00			1.4 0	0.0 0	3.4 7		3000. 39		- 2416. 12 - 4045. 30	- 0.36
P12		25.0 0								2.41				

Esforços da Viga V20

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (%)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P12		25.0 0								1.87				
1	600. 00 575. 00	575. 00	250.0 0	0.00			1.8 6	- 0.5 5	2.6 9		1711. 20		- 3653. 02 - 3266. 97	- 0.24
P13		25.0 0								1.94				

Esforços da Viga V21

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P13		25.0 0								1.90				
1	600. 00 575. 00	575. 00	250.0 0	0.00			2.1 1	- 1.5 0	2.8 1		1941. 87		- 3249. 69 - 3384. 10	- 0.27
P14		25.0 0								2.02				

Esforços da Viga V22

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (%)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P14		25.0 0								1.93				
1	600. 00 575. 00	575. 00	250.0 0	0.00			2.5 2	- 2.5 2	2.8 1		1920. 41		- 3414. 77 - 3365. 12	- 0.27
P15		25.0 0								2.03				

Esforços da Viga V23

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P15		25.0 0								1.93				
1	600. 00 575. 00	575. 00	250.0 0	0.00			2.7 7	- 3.2 7	2.8 2		1932. 84		- 3384. 77 - 3386. 32	- 0.27
P16		25.0 0								2.04				

Esforços da Viga V24

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P16		25.0 0								1.93				
1	600. 00 575. 00	575. 00	250.0 0	0.00			2.7 4	- 3.5 0	2.8 2		1927. 36		- 3398. 83 - 3379. 56	- 0.27
P17		25.0 0								2.03				

Esforços da Viga V25

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (%)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P17		25.0 0								1.94				
1	600. 00 575. 00	575. 00	250.0 0	0.00			2.2 2	- 3.0 9	2.8 4		1958. 65		- 3390. 80 - 3351. 05	- 0.27
P18		25.0 0								2.04				

Esforços da Viga V26

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (%)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P18		25.0 0								1.87				
1	600. 00 575. 00	575. 00	250.0 0	0.00			1.0 7	- 1.8 2	2.8 2		1750. 65		- 3288. 03 - 3754. 39	- 0.24
P19		25.0 0								2.04				

Esforços da Viga V27

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (%)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P19		25.0 0								2.39				
1	600. 13 575. 13	575. 13	250.0 0	0.00			0.5 3	- 0.1 4	3.6 4		3143. 83		- 4197. 58 - 2393. 75	- 0.37
P20		25.0 0								2.60				

Esforços da Viga V28

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e lo (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P21		25.0 0								3.38				
1	600. 00 575. 00	575. 00	250.0 0	0.00			0.6 0	- 0.1 0	6.2 3		3608. 29		- 2533. 76 - 6242. 50	- 0.33
P22		25.0 0								8.48				
2	600. 00 575. 00	575. 00	250.0 0	0.00			1.2 3	- 1.2 3	5.7 4		2490. 94		- 5872. 19 - 5248. 31	- 0.21
P23		25.0 0								7.89				
3	600. 00 575. 00	575. 00	250.0 0	0.00			2.4 8	- 2.6 0	5.6 0		2656. 18		- 5307. 54 - 5320. 14	- 0.23
P24		25.0 0								7.82				
4	600. 00 575. 00	575. 00	250.0 0	0.00			3.6 3	- 4.0 1	5.4 5		2498. 04		- 5289. 93 - 5172. 67	- 0.21
P25		25.0 0								7.64				
5	600. 00 575. 00	575. 00	250.0 0	0.00			4.6 9	- 5.1 9	5.4 2		2512. 54		- 5177. 75 - 5173. 92	- 0.21

P26		25.0 0								7.65				
6	600. 00 575. 00	575. 00	250.0 0	0.00			5.5 5	- 5.9 8	5.4 3		2513. 86		- 5180. 24 - 5178. 52	- 0.21
P27		25.0 0								7.65				
7	600. 00 575. 00	575. 00	250.0 0	0.00			6.0 1	- 6.2 7	5.4 2		2532. 02		- 5187. 52 - 5134. 11	- 0.21
P28		25.0 0								7.59				
8	600. 00 575. 00	575. 00	250.0 0	0.00			6.3 2	- 6.0 2	5.4 6		2417. 88		- 5078. 83 - 5426. 35	- 0.19
P29		25.0 0								7.85				
9	600. 02 575. 02	344. 95	250.0 0	0.00			3.7 8	- 4.4 2	5.6 2		3029. 07	2950. 66	- 5733. 41	- 0.27
		15.0 0												- 0.27
10		215. 07	250.0 0	0.00			1.5 3	- 0.9 5	4.2 6			2953. 98	- 2405. 57	
P30		25.0 0								3.02				

Esforços da Viga V29

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
V36		25.0 0								2.72				
1	600. 00 575. 00	575. 00	836.0 0	0.00			0.8 6	- 0.5 9	5.3 1		4609. 97	66.86	- 4794. 56	- 0.36
V37		25.0 0								7.10				
2	600. 00 575. 00	575. 00	836.0 0	0.00			2.7 6	- 1.8 9	4.5 0		2023. 92		- 4814. 65 - 4370. 09	- 0.32
V38		25.0 0								6.52				
3	600. 00 575. 00	575. 00	836.0 0	0.00			5.2 5	- 3.4 7	4.6 3		2799. 27		- 4362. 75 - 3363. 77	- 0.31
V39		25.0 0								4.92				
4	600. 00 575. 00	575. 00	300.0 0	0.00			7.7 5	- 4.9 6	2.4 5		599.6 7		- 3313. 87 - 2335. 37	
V40		25.0 0								3.29				
5	600. 00 575. 00	575. 00	300.0 0	0.00			9.7 3	- 6.1 8	2.3 3		1139. 65		- 2334. 02 - 2252. 52	- 0.17
V41		25.0 0								3.39				

6	600. 00 575. 00	575. 00	300.0 0	0.00			10. 76	- 6.8 9	2.3 2		1185. 79		- 2253. 03 - 2235. 05	- 0.17
V42		25.0 0								3.38				
7	600. 00 575. 00	575. 00	300.0 0	0.00			10. 57	- 6.6 7	2.3 5		1140. 75		- 2232. 15 - 2381. 75	- 0.16
V43		25.0 0								3.50				
8	600. 00 575. 00	575. 00	300.0 0	0.00			8.8 8	- 5.6 3	2.4 4		1463. 47		- 2388. 19 - 2017. 30	- 0.16
V44		25.0 0								3.28				
9	364. 95 344. 95	157. 45	300.0 0	0.00			5.5 3	- 2.1 7	2.3 7			1047. 76	- 1982. 32	
		15.0 0												- 0.10
10		172. 50	300.0 0	0.00			6.6 0	- 3.3 1	1.3 5		1066. 33	1056. 58 15.82	- 44.84	
V49		15.0 0								0.99				

Esforços da Viga V30

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
		25.0 0												- 0.06
1	245. 55 215. 05	215. 05	802.2 0	0.00			2.5 8	- 0.3 5	4.7 3			889.1 7	- 6242. 29	
P32		50.0 0								9.99				
2	692. 00 656. 00	40.0 0	802.2 0	0.00			2.4 2	0.0 0	9.5 4				- 9645. 15 - 3653. 46	
		15.0 0												- 0.11
3		601. 00	802.2 0	0.00			2.3 8	0.0 0	6.8 6		5374. 34		- 3663. 34 - 6898. 26	- 0.32
P33		50.0 0								4.93				

Esforços da Viga V31

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P35		15.0 0								0.24				
1	187. 50 172. 50	172. 50	150.0 0	0.00			0.9 1	- 0.8 8	0.3 4		60.36	19.08	- 285.4 9	
V49		15.0 0								0.08				

Esforços da Viga V32

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Tempera tura Caso T1 Caso T2 (°C)	Retra ção (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P36		20.0 0								0.22				
1	185. 00 167. 50	167. 50	614.7 0	0.00			0.0 0	- 2.5 6	1.5 3				- 1128.1 1 - 1740.8 4	
P37		15.0 0								2.47				
2	327. 55 305. 05	305. 05	614.7 0	0.00			0.0 0	- 3.6 7	2.2 6		1061. 84	915.7 5	- 1974.2 7 - 269.42	
P38		50.0 0								7.48				
3	618. 50 591. 00	591. 00	614.7 0	0.00			0.0 0	- 6.6 0	10. 24		5580. 64		- 10503. 18 - 10079. 74	- 0.68
P39		25.0 0								6.63				

Esforços da Viga V33

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (%)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
V46		20.0 0								0.18				
1	185. 00 167. 50	167. 50	150.0 0	0.00			0.0 0	- 0.7 0	0.3 7		188.3 9	32.26 1.54	- 200.8 1	
P41		15.0 0								0.26				

Esforços da Viga V34

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (%)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P42		20.0 0								3.88				
1		167. 50	614.7 0	0.00			0.0 0	- 3.1 1	5.5 6			3532. 44	- 4669.5 4	
		15.0 0												- 0.32
2		305. 05	614.7 0	0.00			0.0 0	- 3.5 8	3.7 4			3500. 97	- 4287.4 4	- 0.34
P43		50.0 0								9.37				
3	618. 50 591. 00	591. 00	614.7 0	0.00			0.0 0	- 6.9 0	9.9 8		5522. 98		- 10589. 68 - 9973.6 2	- 0.67
P44		25.0 0								6.73				

Esforços da Viga V35

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
		15.0 0												- 0.17
1	182. 50 162. 50	162. 50	802.2 0	0.00			0.5 5	0.0 0	2.6 6			8.43	-3.11 - 3046. 42	
P47		25.0 0								2.22				
2	245. 55 215. 05	215. 05	802.2 0	0.00			1.0 1	0.0 0	2.8 7				- 2452. 44 - 5607. 97	
P48		50.0 0								8.68				
3	692. 00 656. 00	40.0 0	802.2 0	0.00			2.6 7	0.0 0	9.6 3				- 9276. 93 - 3234. 66	
		15.0 0												- 0.11
4		601. 00	802.2 0	0.00			2.5 2	0.0 0	7.1 2		5444. 24		- 3246. 63 - 7142. 45	- 0.33
P49		50.0 0								5.10				

Esforços da Viga V36

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

[illegible]

Esforços da Viga V37

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

[illegible]

Esforços da Viga V38

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

[illegible]

Esforços da Viga V39

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

[illegible]

Esforços da Viga V40

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

[illegible]

Esforços da Viga V41

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

[illegible]

Esforços da Viga V42

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

[illegible]

Esforços da Viga V43

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

[illegible]

Esforços da Viga V44

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

[illegible]

Esforços da Viga V45

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
V35		25.0 0								0.45				
1	230. 05 205. 55	205. 55	577.2 0	0.00			1.0 8	- 0.1 2	2.5 2		388.1 8	292.6 1	- 2081. 52	
P46		40.0 0								4.57				
2	154. 10 130. 10	130. 10	577.2 0	0.00			1.2 7	- 0.1 1	4.8 2			2872. 61	- 2896. 67	
P42		50.0 0								0.00				

Esforços da Viga V46

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P42		50.0 0								1.22				
1	364. 90 334. 90	169. 90	250.0 0	0.00			0.0 0	- 1.0 0	2.3 5			1222. 32 454.8 1	- 2325. 91	- 0.11
		15.0 0												- 0.10
2		150. 00	250.0 0	0.00			0.0 0	0.0 0	1.7 3			442.3 5 1167. 13	- 2296. 40	
P36		50.0 0								0.83				

Esforços da Viga V47

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e lo (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P36		50.0 0								0.00				
1	179. 00 155. 00	155. 00	577.2 0	0.00			4.0 7	- 0.7 6	3.2 2			1831. 98	- 466.7 5 - 2069. 35	
P35		40.0 0								3.28				
2	210. 25 190. 75	190. 75	577.2 0	0.00			4.3 4	- 1.3 4	2.1 5		242.8 3	56.42	- 1683. 91	
V29		15.0 0								0.53				

Esforços da Viga V48

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (%)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P47		25.0 0								3.83				
1	623. 05 595. 55	375. 65	614.7 0	0.00			1.5 1	- 0.5 9	5.4 5		3465. 82	435.9 1	- 2748. 91	- 0.40
		15.0 0												- 0.32
2		204. 90	614.7 0	0.00			2.3 3	- 1.4 6	4.8 7		665.5 9	458.8 9	- 4049. 90	
P41		40.0 0								3.34				

Esforços da Viga V49

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

[illegible]

Esforços da Viga V50

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io le lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (%)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P32		25.0 0								0.00				
1	206. 50 170. 00	170. 00	500.0 0	0.00			2.2 3	- 4.8 7	4.0 3			973.0 7	- 1066.3 6 - 6042.5 1	
P30		50.0 0								2.53				
2	229. 52 185. 52	185. 52	500.0 0	0.00			0.7 5	- 2.1 0	2.4 5				- 6161.5 3 - 5432.8 1	
P20		40.0 0								6.77				
3		138. 23	500.0 0	0.00			1.8 9	0.0 0	8.2 1			2657. 82	- 9848.5 8	
		0.00												- 0.22
4	918. 48 874. 48	371. 25	500.0 0	0.00			1.8 9	0.0 0	5.5 0		8502. 88	2657. 84 7246. 42		- 0.34
		0.00												- 0.30
5		365. 00	500.0 0	0.00			1.8 9	0.0 0	9.4 1			7246. 42	- 20819. 33	
P10		70.0 0								12.7 9				
6	349. 00 317. 50	317. 50	500.0 0	0.00			0.0 0	- 0.5 2	8.2 4				- 19701. 86	

[illegible]

Esforços da Viga V51

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e lo (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
V35		25.0 0								2.24				
1	390. 65 365. 65	365. 65	614.7 0	0.00			0.0 7	- 0.5 9	3.7 6		2332. 93		- 534.0 1 - 2458. 52	- 0.28
P43		25.0 0								5.31				
2	410. 00 385. 00	385. 00	614.7 0	0.00			0.0 0	- 6.0 7	4.2 8		1158. 11		- 3808. 17 - 3760. 25	- 0.24
P38		25.0 0								5.34				
3	393. 15 368. 15	368. 15	614.7 0	0.00			2.1 6	- 4.3 5	4.1 4		2352. 90		- 2535. 43 - 462.2 5	- 0.28
V30		25.0 0								2.00				

Esforços da Viga V52

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e lo (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P49		25.0 0								1.81				
1	406. 15 375. 65	375. 65	802.2 0	0.00			0.6 5	- 0.1 3	3.0 8		2387. 81	651.6 5 1781. 37	- 1974. 94 - 2984. 88	- 0.13
P44		60.0 0								3.33				
2	331. 00 295. 00	295. 00	802.2 0	0.00			0.0 0	- 0.4 0	4.0 7			2359. 15 2148. 29	- 4590. 45 - 4713. 36	- 0.12
P39		60.0 0								3.42				
3	408. 65 378. 15	378. 15	802.2 0	0.00			0.3 7	- 0.0 7	3.0 5		2357. 86	1645. 95 643.2 1	- 2869. 10 - 1931. 04	- 0.12
P33		25.0 0								1.82				

Resultados da Viga V1

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
V36	25.00			4 ø 8.0 1.80					0.00	
1	575.00	15.00 x 80.00	4 ø 8.0 1.80			ø 5.0 c/ 23		2x4 ø 6.3	0.06	1.04
V37	25.00			4 ø 8.0 1.80					0.02	

Resultados da Viga V2

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
V37	25.00			4 ø 8.0 1.80					0.02	
1	575.00	15.00 x 80.00	4 ø 8.0 1.80			ø 5.0 c/ 23		2x4 ø 6.3	0.02	1.10
V38	25.00			4 ø 8.0 1.80					0.04	

Resultados da Viga V3

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
V38	25.00			4 ø 8.0 1.80					0.04	
1	575.00	15.00 x 80.00	4 ø 8.0 1.80			ø 5.0 c/ 23		2x4 ø 6.3	0.01	1.07
V39	25.00			4 ø 8.0 1.80					0.04	

Resultados da Viga V4

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
V39	25.00			4 ø 8.0 1.80					0.04	
1	575.00	15.00 x 80.00	4 ø 8.0 1.80			ø 5.0 c/ 23		2x4 ø 6.3	0.01	1.07
V40	25.00			4 ø 8.0 1.80					0.04	

Resultados da Viga V5

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
V40	25.00			4 ø 8.0 1.80					0.04	
1	575.00	15.00 x 80.00	4 ø 8.0 1.80			ø 5.0 c/ 23		2x4 ø 6.3	0.01	1.07
V41	25.00			4 ø 8.0 1.80					0.04	

Resultados da Viga V6

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
V41	25.00			4 ø 8.0 1.80					0.04	
1	575.00	15.00 x 80.00	4 ø 8.0 1.80			ø 5.0 c/ 23		2x4 ø 6.3	0.01	1.08
V42	25.00			4 ø 8.0 1.80					0.04	

Resultados da Viga V7

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
V42	25.00			4 ø 8.0 1.80					0.04	
1	575.00	15.00 x 80.00	4 ø 8.0 1.80			ø 5.0 c/ 23		2x4 ø 6.3	0.01	1.09
V43	25.00			4 ø 8.0 1.80					0.04	

Resultados da Viga V8

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
V43	25.00			4 ø 8.0 1.80					0.04	
1	575.00	15.00 x 80.00	4 ø 8.0 1.80			ø 5.0 c/ 23		2x4 ø 6.3	0.02	1.12
V44	25.00			4 ø 8.0 1.80					0.02	

Resultados da Viga V9

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
V44	25.00			4 ø 8.0 1.80					0.02	
1	575.00	15.00 x 80.00	4 ø 8.0 1.80			ø 5.0 c/ 23		2x4 ø 6.3	0.06	1.07
V50	25.00			4 ø 8.0 1.80					0.00	

Resultados da Viga V10

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P1	25.00			2 ø 12.5 2.49					0.22	
1	575.00	20.00 x 50.00	2 ø 12.5 2.51			ø 5.0 c/ 17			0.24	0.47
P2	25.00			9 ø 8.0 4.32					0.09	

Resultados da Viga V11

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P2	25.00			3 ø 12.5 3.75					0.21	
1	575.00	20.00 x 50.00	2 ø 10.0 1.65			ø 5.0 c/ 17			0.20	0.30
P3	25.00			4 ø 10.0 3.28					0.16	

Resultados da Viga V12

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P3	25.00			7 ø 8.0 3.51					0.09	
1	575.00	20.00 x 50.00	4 ø 8.0 1.76			ø 5.0 c/ 17			0.11	0.33
P4	25.00			7 ø 8.0 3.49					0.09	

Resultados da Viga V13

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P4	25.00			3 ø 12.5 3.47					0.19	
1	575.00	20.00 x 50.00	4 ø 8.0 1.74			ø 5.0 c/ 17			0.11	0.32
P5	25.00			7 ø 8.0 3.47					0.09	

Resultados da Viga V14

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P5	25.00			3 ø 12.5 3.46					0.19	
1	575.00	20.00 x 50.00	4 ø 8.0 1.74			ø 5.0 c/ 17			0.11	0.32
P6	25.00			7 ø 8.0 3.47					0.09	

Resultados da Viga V15

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P6	25.00			3 ø 12.5 3.46					0.19	
1	575.00	20.00 x 50.00	4 ø 8.0 1.74			ø 5.0 c/ 17			0.11	0.32
P7	25.00			7 ø 8.0 3.48					0.09	

Resultados da Viga V16

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P7	25.00			3 ø 12.5 3.47					0.19	
1	575.00	20.00 x 50.00	4 ø 8.0 1.76			ø 5.0 c/ 17			0.11	0.32
P8	25.00			7 ø 8.0 3.44					0.09	

Resultados da Viga V17

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P8	25.00			7 ø 8.0 3.45					0.09	
1	575.00	20.00 x 50.00	4 ø 8.0 1.65			ø 5.0 c/ 17			0.10	0.30
P9	25.00			3 ø 12.5 3.66					0.20	

Resultados da Viga V18

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P9	25.00			9 ø 8.0 4.35					0.09	
1	575.01	20.00 x 50.00	2 ø 12.5 2.46			ø 5.0 c/ 17			0.23	0.46
P10	25.00			2 ø 12.5 2.40					0.21	

Resultados da Viga V19

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P11	25.00			2 ø 10.0 1.50					0.10	
1	575.05	20.00 x 50.00	2 ø 10.0 1.53			ø 5.0 c/ 17			0.18	0.36
P12	25.00			4 ø 8.0 2.07					0.16	

Resultados da Viga V20

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P12	25.00			4 ø 8.0 1.87					0.13	
1	575.00	20.00 x 50.00	2 ø 10.0 1.50			ø 5.0 c/ 17			0.06	0.24
P13	25.00			4 ø 8.0 1.67					0.10	

Resultados da Viga V21

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P13	25.00			4 ø 8.0 1.66					0.10	
1	575.00	20.00 x 50.00	2 ø 10.0 1.50			ø 5.0 c/ 17			0.07	0.27
P14	25.00			4 ø 8.0 1.73					0.11	

Resultados da Viga V22

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P14	25.00			4 ø 8.0 1.74					0.11	
1	575.00	20.00 x 50.00	2 ø 10.0 1.50			ø 5.0 c/ 17			0.07	0.27
P15	25.00			4 ø 8.0 1.72					0.11	

Resultados da Viga V23

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P15	25.00			4 ø 8.0 1.73					0.11	
1	575.00	20.00 x 50.00	2 ø 10.0 1.50			ø 5.0 c/ 17			0.07	0.27
P16	25.00			4 ø 8.0 1.73					0.11	

Resultados da Viga V24

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P16	25.00			4 ø 8.0 1.73					0.11	
1	575.00	20.00 x 50.00	2 ø 10.0 1.50			ø 5.0 c/ 17			0.07	0.27
P17	25.00			4 ø 8.0 1.72					0.11	

Resultados da Viga V25

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P17	25.00			4 ø 8.0 1.73					0.11	
1	575.00	20.00 x 50.00	2 ø 10.0 1.50			ø 5.0 c/ 17			0.07	0.27
P18	25.00			4 ø 8.0 1.71					0.10	

Resultados da Viga V26

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P18	25.00			4 ø 8.0 1.68					0.10	
1	575.00	20.00 x 50.00	2 ø 10.0 1.50			ø 5.0 c/ 17			0.06	0.24
P19	25.00			4 ø 8.0 1.92					0.13	

Resultados da Viga V27

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P19	25.00			3 ø 10.0 2.16					0.15	
1	575.13	20.00 x 50.00	2 ø 10.0 1.61			ø 5.0 c/ 17			0.19	0.37
P20	25.00			2 ø 10.0 1.50					0.10	

Resultados da Viga V28

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm²)	As Sup (cm²)	As esq trecho (cm²)	Asw min (cm²)	As dir trecho (cm²)	Asw Pele (cm²)	Fissura (mm)	Flecha (cm)
P21	25.00			2 ø 10.0 1.50					0.11	
1	575.00	20.00 x 50.00	4 ø 8.0 1.84			ø 5.0 c/ 17			0.12	0.33
P22	25.00			4 ø 10.0 3.26					0.16	
2	575.00	20.00 x 50.00	2 ø 10.0 1.50			ø 5.0 c/ 17			0.12	0.21
P23	25.00			6 ø 8.0 2.81					0.09	
3	575.00	20.00 x 50.00	2 ø 10.0 1.50			ø 5.0 c/ 17			0.13	0.23
P24	25.00			6 ø 8.0 2.81					0.09	
4	575.00	20.00 x 50.00	2 ø 10.0 1.50			ø 5.0 c/ 17			0.12	0.21
P25	25.00			6 ø 8.0 2.74					0.08	
5	575.00	20.00 x 50.00	2 ø 10.0 1.50			ø 5.0 c/ 17			0.12	0.21
P26	25.00			6 ø 8.0 2.74					0.08	
6	575.00	20.00 x 50.00	2 ø 10.0 1.50			ø 5.0 c/ 17			0.12	0.21
P27	25.00			6 ø 8.0 2.74					0.08	
7	575.00	20.00 x 50.00	2 ø 10.0 1.50			ø 5.0 c/ 17			0.12	0.21
P28	25.00			6 ø 8.0 2.71					0.08	
8	575.00	20.00 x 50.00	2 ø 10.0 1.50			ø 5.0 c/ 17			0.11	0.19
P29	25.00			4 ø 10.0 2.98					0.14	
9	575.02	20.00 x 50.00	2 ø 10.0 1.55			ø 5.0 c/ 17			0.17	0.27
P30	25.00			2 ø 10.0 1.50					0.10	

Resultados da Viga V29

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm²)	As Sup (cm²)	As esq trecho (cm²)	Asw min (cm²)	As dir trecho (cm²)	Asw Pele (cm²)	Fissura (mm)	Flecha (cm)
V36	25.00								0.00	
1	575.00	15.00 x 80.00	4 ø 8.0 1.80			ø 5.0 c/ 23		2x4 ø 6.3	0.06	0.36
V37	25.00			4 ø 8.0 1.80					0.06	
2	575.00	15.00 x 80.00	4 ø 8.0 1.80			ø 5.0 c/ 23		2x4 ø 6.3	0.01	0.32
V38	25.00			4 ø 8.0 1.80					0.06	
3	575.00	15.00 x 80.00	4 ø 8.0 1.80			ø 5.0 c/ 23		2x4 ø 6.3	0.03	0.31
V39	25.00			4 ø 8.0 1.80					0.04	
4	575.00	15.00 x 80.00	4 ø 8.0 1.80			ø 5.0 c/ 23		2x4 ø 6.3	0.00	0.21
V40	25.00			4 ø 8.0 1.80					0.02	
5	575.00	15.00 x 80.00	4 ø 8.0 1.80			ø 5.0 c/ 23		2x4 ø 6.3	0.00	0.17
V41	25.00			4 ø 8.0 1.80					0.02	
6	575.00	15.00 x 80.00	4 ø 8.0 1.80			ø 5.0 c/ 23		2x4 ø 6.3	0.01	0.17
V42	25.00			4 ø 8.0 1.80					0.02	
7	575.00	15.00 x 80.00	4 ø 8.0 1.80			ø 5.0 c/ 23		2x4 ø 6.3	0.00	0.16
V43	25.00			4 ø 8.0 1.80					0.02	
8	575.00	15.00 x 80.00	4 ø 8.0 1.80			ø 5.0 c/ 23		2x4 ø 6.3	0.01	0.16
V44	25.00			4 ø 8.0 1.80					0.01	
9	344.95	15.00 x 80.00	3 ø 10.0 1.80			ø 5.0 c/ 23		2x4 ø 6.3	0.00	0.12
V49	15.00			4 ø 8.0 1.80					0.00	

Resultados da Viga V30

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
	25.00								0.00	
1	215.05	25.00 x 60.00	3 ø 10.0 2.25			ø 5.0 c/ 14		2x3 ø 8.0	0.00	0.06
P32	50.00			2 ø 16.0 4.13					0.29	
2	656.00	25.00 x 60.00	3 ø 10.0 2.25			ø 5.0 c/ 14		2x3 ø 8.0	0.17	0.32
P33	50.00			6 ø 8.0 2.90					0.12	

Resultados da Viga V31

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

[illegible]

Resultados da Viga V32

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P36	20.00			3 ø 8.0 1.13					0.01	
1	167.50	15.00 x 50.00	3 ø 8.0 1.13			ø 5.0 c/ 23			0.00	0.08
P37	15.00			3 ø 8.0 1.13					0.06	
2	305.05	15.00 x 50.00	3 ø 8.0 1.13			ø 5.0 c/ 23			0.01	0.22
P38	50.00			3 ø 16.0 6.09					0.11	
3	591.00	15.00 x 50.00	4 ø 10.0 2.99		ø 5.0 c/ 16 110.00	ø 5.0 c/ 23	ø 5.0 c/ 19 110.00		0.07	0.68
P39	25.00			5 ø 12.5 6.02					0.11	

Resultados da Viga V33

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
V46	20.00								0.00	
1	167.50	15.00 x 40.00	2 ø 8.0 0.90			ø 5.0 c/ 21			0.00	0.10
P41	15.00			2 ø 8.0 0.90					0.00	

Resultados da Viga V34

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P42	20.00			2 ø 12.5 2.44					0.20	
1	487.55	15.00 x 50.00	4 ø 8.0 1.85			ø 5.0 c/ 23			0.08	0.34
P43	50.00			3 ø 16.0 6.15					0.11	
2	591.00	15.00 x 50.00	4 ø 10.0 2.96		ø 5.0 c/ 17 110.00	ø 5.0 c/ 23	ø 5.0 c/ 18 110.00		0.07	0.67
P44	25.00			5 ø 12.5 5.95					0.11	

Resultados da Viga V35

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
	15.00			3 ø 10.0 2.25					0.00	
1	162.50	25.00 x 60.00	3 ø 10.0 2.25			ø 5.0 c/ 14		2x3 ø 8.0	0.00	0.17
P47	25.00			3 ø 10.0 2.25					0.05	
2	215.05	25.00 x 60.00	3 ø 10.0 2.25			ø 5.0 c/ 14		2x3 ø 8.0	0.00	0.06
P48	50.00			2 ø 16.0 3.97					0.27	
3	656.00	25.00 x 60.00	3 ø 10.0 2.28			ø 5.0 c/ 14		2x3 ø 8.0	0.17	0.33
P49	50.00			4 ø 10.0 3.01					0.15	

Resultados da Viga V36

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
	15.00			4 ø 10.0 3.00					0.00	
1	152.50	25.00 x 80.00	4 ø 10.0 3.00			ø 5.0 c/ 14		2x4 ø 8.0	0.00	0.14
P21	50.00			4 ø 10.0 3.10					0.16	
2	185.00	25.00 x 80.00	4 ø 10.0 3.00			ø 5.0 c/ 14		2x4 ø 8.0	0.00	0.11
P11	40.00			2 ø 16.0 3.96					0.29	
3	875.00	25.00 x 80.00	7 ø 8.0 3.40			ø 5.0 c/ 14		2x4 ø 8.0	0.08	0.44
P1	70.00			6 ø 12.5 7.47					0.09	
4	317.50	25.00 x 80.00	4 ø 10.0 3.00			ø 5.0 c/ 14		2x4 ø 8.0	0.00	0.58
	15.00			4 ø 10.0 3.00					0.00	

Resultados da Viga V37

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

[illegible]

Resultados da Viga V38

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

[illegible]

Resultados da Viga V39

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm²)	As Sup (cm²)	As esq trecho (cm²)	Asw min (cm²)	As dir trecho (cm²)	Asw Pele (cm²)	Fissura (mm)	Flecha (cm)
	15.00								0.00	
1	152.50	25.00 x 80.00	4 ø 10.0 3.00			ø 5.0 c/ 14		2x4 ø 8.0	0.00	0.21
P24	50.00			6 ø 10.0 4.57					0.09	
2	185.00	25.00 x 80.00	4 ø 10.0 3.00			ø 5.0 c/ 14		2x4 ø 8.0	0.00	0.16
P14	40.00			5 ø 12.5 6.25					0.16	
3	875.00	25.00 x 80.00	7 ø 10.0 5.30			ø 5.0 c/ 14		2x4 ø 8.0	0.07	0.67
P4	70.00			11 ø 12.5 13.45					0.08	
4	317.50	25.00 x 80.00	4 ø 10.0 3.00			ø 5.0 c/ 14		2x4 ø 8.0	0.00	1.03
	15.00			4 ø 10.0 3.00					0.00	

Resultados da Viga V40

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm²)	As Sup (cm²)	As esq trecho (cm²)	Asw min (cm²)	As dir trecho (cm²)	Asw Pele (cm²)	Fissura (mm)	Flecha (cm)
	15.00			4 ø 10.0 3.00					0.00	
1	152.50	25.00 x 80.00	4 ø 10.0 3.00			ø 5.0 c/ 14		2x4 ø 8.0	0.00	0.14
P25	50.00			7 ø 8.0 3.42					0.08	
2	185.00	25.00 x 80.00	4 ø 10.0 3.00			ø 5.0 c/ 14		2x4 ø 8.0	0.00	0.16
P15	40.00			5 ø 12.5 6.24					0.16	
3	875.00	25.00 x 80.00	7 ø 10.0 5.29			ø 5.0 c/ 14		2x4 ø 8.0	0.07	0.67
P5	70.00			11 ø 12.5 13.40					0.08	
4	317.50	25.00 x 80.00	4 ø 10.0 3.00			ø 5.0 c/ 14		2x4 ø 8.0	0.00	1.04
	15.00			4 ø 10.0 3.00					0.00	

Resultados da Viga V41

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

[illegible]

Resultados da Viga V42

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm²)	As Sup (cm²)	As esq trecho (cm²)	Asw min (cm²)	As dir trecho (cm²)	Asw Pele (cm²)	Fissura (mm)	Flecha (cm)
	15.00			4 ø 10.0 3.00					0.00	
1	152.50	25.00 x 80.00	4 ø 10.0 3.00			ø 5.0 c/ 14		2x4 ø 8.0	0.00	0.14
P27	50.00			3 ø 12.5 3.52					0.19	
2	185.00	25.00 x 80.00	4 ø 10.0 3.00			ø 5.0 c/ 14		2x4 ø 8.0	0.00	0.17
P17	40.00			5 ø 12.5 6.26					0.16	
3	875.00	25.00 x 80.00	7 ø 10.0 5.31			ø 5.0 c/ 14		2x4 ø 8.0	0.07	0.67
P7	70.00			11 ø 12.5 13.44					0.08	
4	317.50	25.00 x 80.00	4 ø 10.0 3.00			ø 5.0 c/ 14		2x4 ø 8.0	0.00	1.05
	15.00			4 ø 10.0 3.00					0.00	

Resultados da Viga V43

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

[illegible]

Resultados da Viga V44

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

[illegible]

Resultados da Viga V45

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
V35	25.00								0.00	
1	205.55	15.00 x 40.00	2 ø 8.0 0.90			ø 5.0 c/ 21			0.01	0.17
P46	40.00			4 ø 8.0 1.97					0.07	
2	130.10	15.00 x 40.00	4 ø 8.0 1.95			ø 5.0 c/ 21			0.06	0.10
P42	50.00			2 ø 8.0 0.90					0.00	

Resultados da Viga V46

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P42	50.00			2 ø 10.0 1.50					0.02	
1	334.90	20.00 x 50.00	2 ø 10.0 1.50			ø 5.0 c/ 17			0.00	0.11
P36	50.00			2 ø 10.0 1.50					0.03	

Resultados da Viga V47

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

[illegible]

Resultados da Viga V48

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P47	25.00			3 ø 8.0 1.41					0.10	
1	595.55	15.00 x 50.00	4 ø 8.0 1.81			ø 5.0 c/ 23			0.08	0.40
P41	40.00			3 ø 10.0 2.15					0.12	

Resultados da Viga V49

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

[illegible]

Resultados da Viga V50

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm²)	As Sup (cm²)	As esq trecho (cm²)	Asw min (cm²)	As dir trecho (cm²)	Asw Pele (cm²)	Fissura (mm)	Flecha (cm)
P32	25.00			4 ø 10.0 3.00					0.00	
1	170.00	25.00 x 80.00	4 ø 10.0 3.00			ø 5.0 c/ 14		2x4 ø 8.0	0.00	0.05
P30	50.00			4 ø 10.0 3.00					0.04	
2	185.52	25.00 x 80.00	4 ø 10.0 3.00			ø 5.0 c/ 14		2x4 ø 8.0	0.00	0.10
P20	40.00			4 ø 10.0 3.04					0.15	
3	874.48	25.00 x 80.00	4 ø 10.0 3.00			ø 5.0 c/ 14		2x4 ø 8.0	0.12	0.34
P10	70.00			13 ø 8.0 6.73					0.08	
4	317.50	25.00 x 80.00	4 ø 10.0 3.00			ø 5.0 c/ 14		2x4 ø 8.0	0.00	0.59
	15.00			4 ø 10.0 3.00					0.00	

Resultados da Viga V51

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
V35	25.00			3 ø 8.0 1.13					0.00	
1	365.65	15.00 x 50.00	3 ø 8.0 1.19			ø 5.0 c/ 23			0.08	0.28
P43	25.00			4 ø 8.0 2.00					0.07	
2	385.00	15.00 x 50.00	3 ø 8.0 1.13			ø 5.0 c/ 23			0.02	0.24
P38	25.00			4 ø 8.0 1.97					0.07	
3	368.15	15.00 x 50.00	3 ø 8.0 1.20			ø 5.0 c/ 23			0.08	0.28
V30	25.00			3 ø 8.0 1.13					0.00	

Resultados da Viga V52

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm²)	As Sup (cm²)	As esq trecho (cm²)	Asw min (cm²)	As dir trecho (cm²)	Asw Pele (cm²)	Fissura (mm)	Flecha (cm)
P49	25.00			3 ø 10.0 2.25					0.01	
1	375.65	25.00 x 60.00	3 ø 10.0 2.25			ø 5.0 c/ 14		2x3 ø 8.0	0.02	0.13
P44	60.00			3 ø 10.0 2.25					0.03	
2	295.00	25.00 x 60.00	3 ø 10.0 2.25			ø 5.0 c/ 14		2x3 ø 8.0	0.00	0.12
P39	60.00			3 ø 10.0 2.25					0.03	
3	378.15	25.00 x 60.00	3 ø 10.0 2.25			ø 5.0 c/ 14		2x3 ø 8.0	0.02	0.12
P33	25.00			3 ø 10.0 2.25					0.01	

Dados das Lajes

BARRILETE	fck = 300.00 kgf/cm²	E = 268384 kgf/cm²	Peso Espec = 2500.00 kgf/m³
Lance 3		cobr = 3.00 cm	

Seção (cm)						Cargas (kgf/m²)				Temperatur a Caso T1 Caso T2 (°C)	Retraçã o Deform. X Deform. Y (‰)
Laje	Tipo	H	ee ec	enx eny	eex eey	Peso Próprio	Acidental Revestimento	Paredes Outras	Total		
1	Treçada 1D	15	10.0 0 5.00	9.00	40.00	172.55	150.00 100.00	0.00 0.00	422.5 5		
2	Maciça	15				375.00	150.00 100.00	0.00 0.00	625.0 0		
L1	Nervurada	25	20.0 0 5.00	12.5 0 12.5 0	67.50 67.50	285.13	50.00 181.50	0.00 0.00	516.6 3		
L2	Nervurada	25	20.0 0 5.00	12.5 0 12.5 0	67.50 67.50	285.13	50.00 181.50	0.00 0.00	516.6 3		
L3	Nervurada	25	20.0 0 5.00	12.5 0 12.5 0	67.50 67.50	285.13	50.00 181.50	0.00 0.00	516.6 3		
L4	Nervurada	25	20.0 0 5.00	12.5 0 12.5 0	67.50 67.50	285.13	50.00 181.50	0.00 0.00	516.6 3		
L5	Nervurada	25	20.0 0 5.00	12.5 0 12.5 0	67.50 67.50	285.13	50.00 181.50	0.00 0.00	516.6 3		
L6	Nervurada	25	20.0 0 5.00	12.5 0 12.5 0	67.50 67.50	285.13	50.00 181.50	0.00 0.00	516.6 3		
L7	Nervurada	25	20.0 0 5.00	12.5 0 12.5 0	67.50 67.50	285.13	50.00 181.50	0.00 0.00	516.6 3		
L8	Nervurada	25	20.0 0 5.00	12.5 0 12.5 0	67.50 67.50	285.13	50.00 181.50	0.00 0.00	516.6 3		
L9	Nervurada	25	20.0 0 5.00	12.5 0 12.5 0	67.50 67.50	285.13	50.00 181.50	0.00 0.00	516.6 3		
L10	Nervurada	25	20.0 0 5.00	12.5 0 12.5 0	67.50 67.50	285.13	50.00 181.50	0.00 0.00	516.6 3		
L11	Nervurada	25	20.0 0 5.00	12.5 0 12.5	67.50 67.50	285.13	50.00 181.50	0.00 0.00	516.6 3		

				0							
L12	Nervurada	25	20.00 5.00	12.50 12.50	67.50 67.50	285.13	50.00 181.50	0.00 0.00	516.63		
L13	Nervurada	25	20.00 5.00	12.50 12.50	67.50 67.50	285.13	50.00 181.50	0.00 0.00	516.63		
L14	Nervurada	25	20.00 5.00	12.50 12.50	67.50 67.50	285.13	50.00 181.50	0.00 0.00	516.63		
L15	Nervurada	25	20.00 5.00	12.50 12.50	67.50 67.50	285.13	50.00 181.50	0.00 0.00	516.63		
L16	Nervurada	25	20.00 5.00	12.50 12.50	67.50 67.50	285.13	50.00 181.50	0.00 0.00	516.63		
L17	Nervurada	25	20.00 5.00	12.50 12.50	67.50 67.50	285.13	50.00 181.50	0.00 0.00	516.63		
L18	Nervurada	25	20.00 5.00	12.50 12.50	67.50 67.50	285.13	50.00 181.50	0.00 0.00	516.63		
L19	Treliçada 1D	15	10.00 5.00	9.00	40.00	172.55	50.00 181.50	0.00 0.00	404.05		
L20	Treliçada 1D	15	10.00 5.00	9.00	40.00	172.55	50.00 181.50	0.00 0.00	404.05		
L21	Treliçada 1D	15	10.00 5.00	9.00	40.00	172.55	50.00 181.50	0.00 0.00	404.05		
L22	Treliçada 1D	15	10.00 5.00	9.00	40.00	172.55	50.00 181.50	0.00 0.00	404.05		
L23	Treliçada 1D	15	10.00 5.00	9.00	40.00	172.55	50.00 181.50	0.00 0.00	404.05		
L24	Treliçada 1D	15	10.00 5.00	9.00	40.00	172.55	50.00 181.50	0.00 0.00	404.05		
L25	Treliçada 1D	15	10.00 5.00	9.00	40.00	172.55	50.00 181.50	0.00 0.00	404.05		
L26	Treliçada 1D	15	10.00 5.00	9.00	40.00	172.55	50.00 181.50	0.00 0.00	404.05		
L27	Treliçada 1D	15	10.00 5.00	9.00	40.00	172.55	50.00 181.50	0.00 0.00	404.05		
L28	Treliçada 1D	15	10.00 5.00	9.00	40.00	172.55	50.00 181.50	0.00 0.00	404.05		
L29	Treliçada 1D	15	10.00 5.00	9.00	40.00	172.55	50.00 181.50	0.00 0.00	404.05		
L30	Treliçada 1D	15	10.00 5.00	9.00	40.00	172.55	50.00 181.50	0.00 0.00	404.05		
L31	Treliçada 1D	15	10.00 5.00	9.00	40.00	172.55	50.00 181.50	0.00 0.00	404.05		

			5.00								
L32	Treliçada 1D	1 5	10.0 0 5.00	9.00	40.00	172.55	50.00 181.50	0.00 0.00	404.0 5		
L33	Treliçada 1D	1 5	10.0 0 5.00	9.00	40.00	172.55	50.00 181.50	0.00 0.00	404.0 5		
L34	Treliçada 1D	1 5	10.0 0 5.00	9.00	40.00	172.55	50.00 181.50	0.00 0.00	404.0 5		
L35	Treliçada 1D	1 5	10.0 0 5.00	9.00	40.00	172.55	50.00 181.50	0.00 0.00	404.0 5		
L36	Treliçada 1D	1 5	10.0 0 5.00	9.00	40.00	172.55	50.00 181.50	0.00 0.00	404.0 5		
L37	Treliçada 1D	1 5	10.0 0 5.00	9.00	40.00	172.55	50.00 181.50	0.00 0.00	404.0 5		
L38	Treliçada 1D	1 5	10.0 0 5.00	9.00	40.00	172.55	50.00 181.50	0.00 0.00	404.0 5		
L39	Treliçada 1D	1 5	10.0 0 5.00	9.00	40.00	172.55	50.00 181.50	0.00 0.00	404.0 5		
L40	Treliçada 1D	1 7	12.0 0 5.00	9.00	40.00	182.06	50.00 181.50	0.00 0.00	413.5 6		
L41	Treliçada 1D	1 5	10.0 0 5.00	9.00	40.00	172.55	50.00 181.50	0.00 0.00	404.0 5		
L42	Treliçada 1D	1 5	10.0 0 5.00	9.00 9.00	400.0 0 40.00	177.01	150.00 100.00	0.00 0.00	427.0 1		
L43	Treliçada 1D	1 5	10.0 0 5.00	9.00	40.00	172.55	50.00 181.50	0.00 0.00	404.0 5		
L44	Treliçada 1D	1 5	10.0 0 5.00	9.00	40.00	172.55	50.00 181.50	0.00 0.00	404.0 5		
L45	Treliçada 1D	1 7	12.0 0 5.00	9.00	40.00	182.06	50.00 181.50	0.00 0.00	413.5 6		

Resultados da Laje

BARRILETE	fck = 300.00 kgf/cm ²	E = 268384 kgf/cm ²	Peso Espec = 2500.00 kgf/m ³
Lance 3		cobr = 3.00 cm	

Nome	Espessura (cm)	Carga (kgf/m ²)	Mdx (kgf.m/m)	Mdy (kgf.m/m)	Asx	Asy	Flecha (cm)
1	15	422.55	750		As = 0.53 cm ² /N (TR 10644 - 0.28 cm ² /N) (2ø5.0 c/N - 0.39 cm ² /N)		-0.38
2	15	625.00	453	122	As = 1.51 cm ² /m (ø6.3 c/20 - 1.56 cm ² /m)	As = 1.60 cm ² /m (ø6.3 c/19 - 1.64 cm ² /m)	-0.18
L1	25	516.63	273	1060	As = 0.68 cm ² /N (1ø10.0 c/N - 0.79 cm ² /N)	As = 0.95 cm ² /N (2ø8.0 c/N - 1.01 cm ² /N)	-0.69
L2	25	516.63	97	684	As = 0.51 cm ² /N (1ø8.0 c/N - 0.50 cm ² /N)	As = 1.02 cm ² /N (2ø8.0 c/N - 1.01 cm ² /N)	-0.73
L3	25	516.63	114	743	As = 0.51 cm ² /N (1ø8.0 c/N - 0.50 cm ² /N)	As = 1.02 cm ² /N (2ø8.0 c/N - 1.01 cm ² /N)	-0.72
L4	25	516.63	113	728	As = 0.51 cm ² /N (1ø8.0 c/N - 0.50 cm ² /N)	As = 1.02 cm ² /N (2ø8.0 c/N - 1.01 cm ² /N)	-0.71
L5	25	516.63	114	733	As = 0.51 cm ² /N (1ø8.0 c/N - 0.50 cm ² /N)	As = 1.02 cm ² /N (2ø8.0 c/N - 1.01 cm ² /N)	-0.71
L6	25	516.63	113	729	As = 0.51 cm ² /N (1ø8.0 c/N - 0.50 cm ² /N)	As = 1.02 cm ² /N (2ø8.0 c/N - 1.01 cm ² /N)	-0.71
L7	25	516.63	114	742	As = 0.51 cm ² /N (1ø8.0 c/N - 0.50 cm ² /N)	As = 1.02 cm ² /N (2ø8.0 c/N - 1.01 cm ² /N)	-0.72
L8	25	516.63	98	692	As = 0.51 cm ² /N (1ø8.0 c/N - 0.50 cm ² /N)	As = 1.02 cm ² /N (2ø8.0 c/N - 1.01 cm ² /N)	-0.74
L9	25	516.63	288	1062	As = 0.68 cm ² /N (1ø10.0 c/N - 0.79 cm ² /N)	As = 0.96 cm ² /N (2ø8.0 c/N - 1.01 cm ² /N)	-0.70
L10	25	516.63	1838	839	As = 1.59 cm ² /N (2ø10.0 c/N - 1.57 cm ² /N)	As = 0.76 cm ² /N (1ø10.0 c/N - 0.79 cm ² /N)	-0.93
L11	25	516.63	905	701	As = 0.78 cm ² /N (1ø10.0 c/N - 0.79 cm ² /N)	As = 0.68 cm ² /N (1ø10.0 c/N - 0.79 cm ² /N)	-0.57
L12	25	516.63	1066	649	As = 0.91 cm ² /N (2ø8.0 c/N - 1.01 cm ² /N)	As = 0.68 cm ² /N (1ø10.0 c/N - 0.79 cm ² /N)	-0.63
L13	25	516.63	1039	648	As = 0.89 cm ² /N (2ø8.0 c/N - 1.01 cm ² /N)	As = 0.68 cm ² /N (1ø10.0 c/N - 0.79 cm ² /N)	-0.61
L14	25	516.63	1047	641	As = 0.90 cm ² /N (2ø8.0 c/N - 1.01 cm ² /N)	As = 0.68 cm ² /N (1ø10.0 c/N - 0.79 cm ² /N)	-0.61
L15	25	516.63	1041	642	As = 0.89 cm ² /N (2ø8.0 c/N - 1.01 cm ² /N)	As = 0.68 cm ² /N (1ø10.0 c/N - 0.79 cm ² /N)	-0.61

L16	25	516.63	1067	643	As = 0.91 cm ² /N (2ø8.0 c/N - 1.01 cm ² /N)	As = 0.68 cm ² /N (1ø10.0 c/N - 0.79 cm ² /N)	-0.62
L17	25	516.63	926	681	As = 0.80 cm ² /N (1ø10.0 c/N - 0.79 cm ² /N)	As = 0.68 cm ² /N (1ø10.0 c/N - 0.79 cm ² /N)	-0.56
L18	25	516.63	1892	792	As = 1.64 cm ² /N (2ø10.0 c/N - 1.57 cm ² /N)	As = 0.71 cm ² /N (1ø10.0 c/N - 0.79 cm ² /N)	-0.89
L19	15	404.05	126		As = 0.50 cm ² /N (TR 10644 - 0.28 cm ² /N) (1ø6.3 c/N - 0.31 cm ² /N)		-0.24
L20	15	404.05	112		As = 0.50 cm ² /N (TR 10644 - 0.28 cm ² /N) (1ø6.3 c/N - 0.31 cm ² /N)		-0.09
L21	15	404.05	116		As = 0.50 cm ² /N (TR 10644 - 0.28 cm ² /N) (1ø6.3 c/N - 0.31 cm ² /N)		-0.13
L22	15	404.05	129		As = 0.50 cm ² /N (TR 10644 - 0.28 cm ² /N) (1ø6.3 c/N - 0.31 cm ² /N)		-0.11
L23	15	404.05	131		As = 0.50 cm ² /N (TR 10644 - 0.28 cm ² /N) (1ø6.3 c/N - 0.31 cm ² /N)		-0.12
L24	15	404.05	131		As = 0.50 cm ² /N (TR 10644 - 0.28 cm ² /N) (1ø6.3 c/N - 0.31 cm ² /N)		-0.12
L25	15	404.05	131		As = 0.50 cm ² /N (TR 10644 - 0.28 cm ² /N) (1ø6.3 c/N - 0.31 cm ² /N)		-0.12
L26	15	404.05	133		As = 0.50 cm ² /N (TR 10644 - 0.28 cm ² /N) (1ø6.3 c/N - 0.31 cm ² /N)		-0.11
L27	15	404.05	231		As = 0.50 cm ² /N (TR 10644 - 0.28 cm ² /N) (1ø6.3 c/N - 0.31 cm ² /N)		-0.24
L28	15	404.05	124		As = 0.50 cm ² /N (TR 10644 - 0.28 cm ² /N) (1ø6.3 c/N - 0.31 cm ² /N)		-0.29
L29	15	404.05	105		As = 0.50 cm ² /N (TR 10644 - 0.28 cm ² /N) (1ø6.3 c/N - 0.31 cm ² /N)		-0.26
L30	15	404.05	110		As = 0.50 cm ² /N (TR 10644 - 0.28 cm ² /N)		-0.26

					(1ø6.3 c/N - 0.31 cm²/N)		
L31	15	404.05	127		As = 0.50 cm²/N (TR 10644 - 0.28 cm²/N) (1ø6.3 c/N - 0.31 cm²/N)		-0.19
L32	15	404.05	130		As = 0.50 cm²/N (TR 10644 - 0.28 cm²/N) (1ø6.3 c/N - 0.31 cm²/N)		-0.17
L33	15	404.05	129		As = 0.50 cm²/N (TR 10644 - 0.28 cm²/N) (1ø6.3 c/N - 0.31 cm²/N)		-0.17
L34	15	404.05	130		As = 0.50 cm²/N (TR 10644 - 0.28 cm²/N) (1ø6.3 c/N - 0.31 cm²/N)		-0.17
L35	15	404.05	128		As = 0.50 cm²/N (TR 10644 - 0.28 cm²/N) (1ø6.3 c/N - 0.31 cm²/N)		-0.18
L36	15	404.05	146		As = 0.50 cm²/N (TR 10644 - 0.28 cm²/N) (1ø6.3 c/N - 0.31 cm²/N)		-0.17
L37	15	404.05	200		As = 0.50 cm²/N (TR 10644 - 0.28 cm²/N) (1ø6.3 c/N - 0.31 cm²/N)		-0.17
L38	15	404.05	201		As = 0.50 cm²/N (TR 10644 - 0.28 cm²/N) (1ø6.3 c/N - 0.31 cm²/N)		-0.09
L39	15	404.05	713		As = 0.60 cm²/N (TR 10644 - 0.28 cm²/N) (1ø6.3 c/N - 0.31 cm²/N)		-0.39
L40	17	413.56	764		As = 0.53 cm²/N (TR 12645 - 0.39 cm²/N) (1ø5.0 c/N - 0.20 cm²/N)		-0.71
L41	15	404.05	211		As = 0.50 cm²/N (TR 10644 - 0.28 cm²/N) (1ø6.3 c/N - 0.31 cm²/N)		-0.06
L42	15	427.01	411	44	As = 0.50 cm²/N (TR 10644 - 0.28 cm²/N) (1ø6.3 c/N - 0.31 cm²/N)	As = 0.59 cm²/N (1ø10.0 c/N - 0.79 cm²/N)	-0.52
L43	15	404.05	243		As = 0.50 cm²/N (TR 10644 - 0.28 cm²/N) (1ø6.3 c/N - 0.31 cm²/N)		-0.25

L44	15	404.05	708		As = 0.60 cm ² /N (TR 10644 - 0.28 cm ² /N) (1ø6.3 c/N - 0.31 cm ² /N)		-0.49
L45	17	413.56	725		As = 0.53 cm ² /N (TR 12645 - 0.39 cm ² /N) (1ø5.0 c/N - 0.20 cm ² /N)		-0.70

ARMADURA NEGATIVA							
Dados				Resultados			
Viga	Trecho	Laje 1	Laje 2	Reação 1 (kgf.m/m)	Reação 2 (kgf.m/m)	Md (kgf.m/m)	As (cm ²)
V37	3	L10	L11	1403	1285	-2394	As = 2.82 cm ² /m (ø6.3 c/11 - 2.83 cm ² /m)
V10	1	L10	L1	757	624	-1543	As = 1.74 cm ² /m (ø6.3 c/17 - 1.83 cm ² /m)
V38	3	L11	L12	1151	1220	-1945	As = 2.24 cm ² /m (ø6.3 c/13 - 2.40 cm ² /m)
V11	1	L11	L2	670	417	-1596	As = 1.81 cm ² /m (ø6.3 c/17 - 1.83 cm ² /m)
V39	3	L12	L13	1204	1236	-2034	As = 2.35 cm ² /m (ø6.3 c/13 - 2.40 cm ² /m)
V12	1	L12	L3	677	434	-1554	As = 1.76 cm ² /m (ø6.3 c/17 - 1.83 cm ² /m)
V13	1	L13	L4	674	431	-1553	As = 1.76 cm ² /m (ø6.3 c/17 - 1.83 cm ² /m)
V40	3	L13	L14	1198	1238	-2029	As = 2.35 cm ² /m (ø6.3 c/13 - 2.40 cm ² /m)
V14	1	L14	L5	674	431	-1550	As = 1.75 cm ² /m (ø6.3 c/17 - 1.83 cm ² /m)
V41	3	L14	L15	1199	1236	-2026	As = 2.34 cm ² /m (ø6.3 c/13 - 2.40 cm ² /m)
V15	1	L15	L6	674	430	-1553	As = 1.76 cm ² /m (ø6.3 c/17 - 1.83 cm ² /m)
V42	3	L15	L16	1201	1245	-2040	As = 2.36 cm ² /m (ø6.3 c/13 - 2.40 cm ² /m)
V16	1	L16	L7	676	432	-1552	As = 1.75 cm ² /m (ø6.3 c/17 - 1.83 cm ² /m)
V43	3	L16	L17	1189	1195	-1965	As = 2.27 cm ² /m (ø6.3 c/13 - 2.40 cm ² /m)
V17	1	L17	L8	670	417	-1591	As = 1.80 cm ² /m (ø6.3 c/17 - 1.83 cm ² /m)
V44	3	L17	L18	1252	1451	-2402	As = 2.83 cm ² /m (ø6.3 c/11 - 2.83 cm ² /m)
V18	1	L18	L9	738	602	-1523	As = 1.72 cm ² /m (ø6.3 c/18 - 1.73 cm ² /m)

V28	1	L19	L28	533	511	-525	As = 1.10 cm ² /m (ø6.3 c/20 - 1.56 cm ² /m)
V28	2	L20	L29	551	533	-522	As = 1.09 cm ² /m (ø6.3 c/20 - 1.56 cm ² /m)
V28	3	L21	L30	544	524	-501	As = 1.05 cm ² /m (ø6.3 c/20 - 1.56 cm ² /m)
V28	4	L22	L31	527	505	-465	As = 0.97 cm ² /m (ø6.3 c/20 - 1.56 cm ² /m)
V28	5	L23	L32	522	502	-433	As = 0.90 cm ² /m (ø6.3 c/20 - 1.56 cm ² /m)
V28	6	L24	L33	522	502	-432	As = 0.90 cm ² /m (ø6.3 c/20 - 1.56 cm ² /m)
V28	7	L25	L34	523	501	-431	As = 0.90 cm ² /m (ø6.3 c/20 - 1.56 cm ² /m)
V28	8	L26	L35	519	501	-428	As = 0.90 cm ² /m (ø6.3 c/20 - 1.56 cm ² /m)
V28	9	L27	L36	493	487	-414	As = 0.90 cm ² /m (ø6.3 c/20 - 1.56 cm ² /m)
V28	10	L27	L37	461	519	-345	As = 0.90 cm ² /m (ø6.3 c/20 - 1.56 cm ² /m)
V34	3	L45	L42	889	673	-1024	As = 2.31 cm ² /m (ø6.3 c/13 - 2.40 cm ² /m)
V32	3	L40	L42	896	678	-1059	As = 2.43 cm ² /m (ø8.0 c/20 - 2.51 cm ² /m)
V37	4	L1	L2	1169	1200	-1960	As = 2.26 cm ² /m (ø6.3 c/13 - 2.40 cm ² /m)
V38	4	L2	L3	1087	1138	-1714	As = 1.95 cm ² /m (ø6.3 c/15 - 2.08 cm ² /m)
V39	4	L3	L4	1101	1149	-1763	As = 2.01 cm ² /m (ø6.3 c/15 - 2.08 cm ² /m)
V40	4	L4	L5	1096	1146	-1750	As = 2.00 cm ² /m (ø6.3 c/15 - 2.08 cm ² /m)
V41	4	L5	L6	1097	1146	-1750	As = 2.00 cm ² /m (ø6.3 c/15 - 2.08 cm ² /m)
V42	4	L6	L7	1100	1152	-1765	As = 2.01 cm ² /m (ø6.3 c/15 - 2.08 cm ² /m)
V43	4	L7	L8	1091	1142	-1711	As = 1.95 cm ² /m (ø6.3 c/16 - 1.95 cm ² /m)
V44	4	L8	L9	1145	1212	-1972	As = 2.27 cm ² /m (ø6.3 c/13 - 2.40 cm ² /m)

Pavimento CAIXA D'ÁGUA

Resultados dos Pilares

CAIXA DÁGUA	fck = 300.00 kgf/cm²	E = 268384 kgf/cm²	Peso Espec = 2500.00 kgf/m³
Lance 4		cobr = 3.00 cm	

Dados					Resultados					
Pilar	Seção (cm)	Nível Altura (cm)	lib lih (cm)	vínc vínc (cm)	Nd máx Nd mín (tf)	MBd topo MBd base (kgf.m)	MHd topo MHd base (kgf.m)	As b Ferros As h % armad total	Estribo Topo Base cota	Esb b Esb h
P36 1:20	20.00 X 50.00	1015.00 200.00	200.00 200.00	RR RR	26.43 13.00	3621 1362	4378 3054	Erro D1		
P38 1:20	25.00 X 50.00	1015.00 200.00	200.00 200.00	RR RR	58.00 37.90	6759 2779	4642 6328	Erro D1		
P39 1:20	25.00 X 60.00	1015.00 200.00	200.00 200.00	RR RR	30.37 17.03	8978 6886	1988 2686	Erro D1		
P42 1:20	20.00 X 50.00	1015.00 200.00	200.00 200.00	RR RR	27.45 13.68	4312 3422	3953 3347	Erro D1		
P43 1:20	25.00 X 50.00	1015.00 200.00	200.00 200.00	RR RR	57.50 37.45	6949 3025	4217 4644	Erro D1		
P44 1:20	25.00 X 60.00	1015.00 200.00	200.00 200.00	RR RR	30.46 17.11	9058 7058	1768 2584	Erro D1		

Vigas do pavimento CAIXA DÁGUA

Viga	Vãos			Nós			Avisos
	Md (kgf.m)	As	Als	Md (kgf.m)	As	Als	
V1	8676.21 11522.07	Erro D1		-7337.68 -22572.88 -15299.69	Erro D1		
V2	8291.96 11561.72	Erro D1		-7531.78 -22297.47 -15501.34	Erro D1		
V3	3697.93	Erro D1		-8132.47 -7055.21	Erro D1		
V4	11053.63	Erro D1		-8100.89 -7755.57	Erro D1		
V5	2834.73	Erro D1		-7338.57 -7192.85	Erro D1		

Esforços da Viga V1

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Tempera tura Caso T1 Caso T2 (°C)	Retra ção (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Per m. (kgf/ m)	Acid. (kgf/ m)			N d (tf)	R d (tf)						
P36		20.0 0								7.17				
1	515. 55 487. 55	487. 55	727.2 0	0.00			0.0 0	- 0.2 3	13. 97		8676. 21		- 7337. 68 - 14229 .72	- 0.45
P38		50.0 0								23.7 4				
2	621. 50 591. 00	591. 00	727.2 0	0.00			2.7 4	0.0 0	19. 70		11522 .07		- 22572 .88 - 15299 .69	- 0.69
P39		25.0 0								11.6 1				

Esforços da Viga V2

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Tempera tura Caso T1 Caso T2 (°C)	Retra ção (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Per m. (kgf/ m)	Acid. (kgf/ m)			N d (tf)	R d (tf)						
P42		20.0 0								6.88				
1	515. 55 487. 55	487. 55	727.2 0	0.00			1.4 8	0.0 0	13. 79		8291. 96		- 7531. 78 - 14178 .67	- 0.45
P43		50.0 0								23.5 5				
2	621. 50 591. 00	591. 00	727.2 0	0.00			2.9 8	0.0 0	19. 61		11561 .72		- 22297 .47 - 15501 .34	- 0.69
P44		25.0 0								11.6 6				

Esforços da Viga V3

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P42		50.0 0								5.35				
1	370. 90 334. 90	334. 90	300.0 0	0.00			0.7 7	0.0 0	8.6 3		3697. 93	173.7 3	- 8132. 47 - 7055. 21	- 0.16
P36		50.0 0								4.49				

Esforços da Viga V4

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apo io 1 e lo (cm)	Lar g Bar ra (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retra ção (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P43		25.0 0								7.49				
1	410. 00 385. 00	385. 00	727.2 0	0.00			2.8 8	0.0 0	11. 04		11053. 63		- 8100. 89 - 7755. 57	- 0.50
P38		25.0 0								7.36				

Esforços da Viga V5

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P44		60.0 0								5.16				
1	331. 00 295. 00	295. 00	300.0 0	0.00			0.0 0	- 0.7 9	8.5 5		2834. 73	120.8 4 185.3 9	- 7338. 57 - 7192. 85	- 0.15
P39		60.0 0								5.11				

Resultados da Viga V1

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P36	20.00			4 ø 10.0 3.12					0.15	
1	487.55	20.00 x 60.00	3 ø 12.5 3.72			ø 5.0 c/ 17		2x4 ø 6.3	0.21	0.45
P38	50.00			9 ø 12.5 11.01					0.08	
2	591.00	20.00 x 60.00	4 ø 12.5 5.01		ø 5.0 c/ 8 118.00	ø 5.0 c/ 17	ø 5.0 c/ 13 109.00	2x4 ø 6.3	0.15	0.69
P39	25.00			9 ø 10.0 7.07					0.08	

Resultados da Viga V2

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P42	20.00			4 ø 10.0 3.20					0.15	
1	487.55	20.00 x 60.00	3 ø 12.5 3.55			ø 5.0 c/ 17		2x4 ø 6.3	0.20	0.45
P43	50.00			9 ø 12.5 10.86					0.07	
2	591.00	20.00 x 60.00	4 ø 12.5 5.03		ø 5.0 c/ 8 118.00	ø 5.0 c/ 17	ø 5.0 c/ 13 109.00	2x4 ø 6.3	0.15	0.69
P44	25.00			9 ø 10.0 7.17					0.08	

Resultados da Viga V3

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P42	50.00			3 ø 12.5 3.48					0.11	
1	334.90	20.00 x 60.00	4 ø 8.0 1.80			ø 5.0 c/ 17		2x4 ø 6.3	0.07	0.16
P36	50.00			4 ø 10.0 2.99					0.08	

Resultados da Viga V4

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P43	25.00			3 ø 12.5 3.46					0.15	
1	385.00	20.00 x 60.00	4 ø 12.5 4.80			ø 5.0 c/ 17		2x4 ø 6.3	0.14	0.50
P38	25.00			7 ø 8.0 3.37					0.08	

Resultados da Viga V5

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P44	60.00			4 ø 10.0 3.12					0.09	
1	295.00	20.00 x 60.00	4 ø 8.0 1.80			ø 5.0 c/ 17		2x4 ø 6.3	0.04	0.15
P39	60.00			4 ø 10.0 3.05					0.08	

Dados das Lajes

CAIXA DÁGUA	fck = 300.00 kgf/cm²	E = 268384 kgf/cm²	Peso Espec = 2500.00 kgf/m³
Lance 4		cobr = 3.00 cm	

Seção (cm)						Cargas (kgf/m²)				Temperatura Caso T1 Caso T2 (°C)	Retração Deform. X Deform. Y (‰)
Laje	Tipo	H	ee ec	enx eny	eex eey	Peso Próprio	Acidental Revestimento	Paredes Outras	Total		
L1	Maciça	15				375.00	150.00 100.00	0.00 1500.00	2125.00		
L2	Maciça	15				375.00	150.00 100.00	0.00 1500.00	2125.00		

Resultados da Laje

CAIXA D'ÁGUA	fck = 300.00 kgf/cm ²	E = 268384 kgf/cm ²	Peso Espec = 2500.00 kgf/m ³
Lance 4		cobr = 3.00 cm	

Nome	Espessura (cm)	Carga (kgf/m ²)	Mdx (kgf.m/m)	Mdy (kgf.m/m)	Asx	Asy	Flecha (cm)
L1	15	2125.00	3616	2233	As = 7.98 cm ² /m (ø12.5 c/15 - 8.18 cm ² /m)	As = 5.34 cm ² /m (ø10.0 c/14 - 5.61 cm ² /m)	-1.16
L2	15	2125.00	4470	1995	As = 10.31 cm ² /m (ø16.0 c/19 - 10.58 cm ² /m)	As = 4.87 cm ² /m (ø8.0 c/10 - 5.03 cm ² /m)	-1.61

Pavimento COB. CAIXA

Resultados dos Pilares

COB. CAIXA	fck = 300.00 kgf/cm ²	E = 268384 kgf/cm ²	Peso Espec = 2500.00 kgf/m ³
Lance 5		cobr = 3.00 cm	

Dados					Resultados					
Pilar	Seção (cm)	Nível Altura (cm)	lib lih (cm)	vínc vínc	Nd máx Nd mín (tf)	MBd topo MBd base (kgf.m)	MHd topo MHd base (kgf.m)	As b Ferros As h % armad total	Estribo Topo Base cota	Esb b Esb h
P36 1:20	20.00 X 50.00	1590.00 575.00	575.00 575.00	RR RR	8.56 1.87	1412 3764	1817 3710	Erro D1		
P38 1:20	25.00 X 50.00	1410.00 395.00	395.00 790.00	RR EL	12.97 -0.14	1038 3401	1 3933	Erro D1		
P39 1:20	25.00 X 60.00	1215.00 200.00	200.00 200.00	RR RR	7.15 3.97	3885 6207	715 2931	Erro D1		
P42 1:20	20.00 X 50.00	1590.00 575.00	575.00 575.00	RR RR	8.77 2.03	1584 3271	1987 3412	Erro D1		
P43 1:20	25.00 X 50.00	1410.00 395.00	395.00 790.00	RR EL	12.53 -0.11	1115 3535	1 4145	Erro D1		
P44 1:20	25.00 X 60.00	1215.00 200.00	200.00 200.00	RR RR	7.11 3.94	3982 6332	496 3295	Erro D1		

Vigas do pavimento COB. CAIXA

Viga	Vãos			Nós			Avisos
	Md (kgf.m)	As	Als	Md (kgf.m)	As	Als	
V1	698.51	Erro D1		-2116.16 -1950.41	Erro D1		
V2	772.92	Erro D1		-1115.33 -1038.10	Erro D1		
V3	2332.79	Erro D1		-4983.71 -4983.71	Erro D1		
V4	1891.86	Erro D1		-4235.82 -4235.82	Erro D1		
V5	760.75 396.23	Erro D1		-1693.74 -930.70 -355.20	Erro D1		
V6	678.24 392.85	Erro D1		-1589.74 -903.35 -395.07	Erro D1		
V7	1051.70	Erro D1		-1479.73 -1433.84	Erro D1		
V8	744.68	Erro D1		-2206.77 -2054.03	Erro D1		

Esforços da Viga V1

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P42		50.0 0								1.51				
1	358. 90 334. 90	334. 90	150.0 0	0.00			0.9 3	0.0 0	2.3 8		698.5 1	89.94	- 2116. 16 - 1950. 41	- 0.15
P36		50.0 0								1.35				

Esforços da Viga V2

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P43		25.0 0								0.41				
1	410. 00 385. 00	385. 00	150.0 0	0.00			0.0 0	- 0.2 9	0.8 5			711.5 7 772.9 2	- 1115. 33 - 1038. 10	- 0.28
P38		25.0 0								0.39				

Esforços da Viga V3

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Larg Barr a (cm)	Carga distribuída		Tempera tura Caso T1 Caso T2 (°C)	Retra ção (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P36		20.00								1.70				
1	1192. 57 1128. 55	1128. 55	187.5 0	0.00			4.4 0	- 1.6 4	4.5 8		2332. 79		- 1446. 48 - 3694. 88	- 0.49
P39		25.00								2.96				

Esforços da Viga V4

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Larg Barr a (cm)	Carga distribuída		Tempera tura Caso T1 Caso T2 (°C)	Retra ção (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm . (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P42		20.00								1.82				
1	1185. 04 1128. 55	1128. 55	150.0 0	0.00			4.2 6	- 1.7 1	4.3 5		1891. 86		- 1623. 62 - 3730. 90	- 0.62
P44		25.00								3.05				

Esforços da Viga V5

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (%)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P36		20.0 0								0.71				
1	509. 55 487. 55	487. 55	150.0 0	0.00			2.1 5	0.0 0	0.9 8			760.7 5	- 1693. 74	- 0.26
P38		50.0 0								0.62				
2	615. 00 591. 00	591. 00	150.0 0	0.00			3.8 7	0.0 0	0.7 2		396.2 3		- 930.7 0 - 355.2 0	- 0.26
P39		25.0 0								0.39				

Esforços da Viga V6

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e lo (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (%)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P42		20.0 0								0.68				
1	509. 55 487. 55	487. 55	150.0 0	0.00			1.6 7	0.0 0	0.9 4		678.2 4	671.4 7	- 1589. 74	- 0.27
P43		50.0 0								0.65				
2	615. 00 591. 00	591. 00	150.0 0	0.00			3.7 1	0.0 0	0.7 1		392.8 5		- 903.3 5 - 395.0 7	- 0.27
P44		25.0 0								0.40				

Esforços da Viga V7

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e lo (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P42		50.0 0								0.42				
1	358. 90 334. 90	334. 90	150.0 0	0.00			1.3 6	0.0 0	1.0 4			1018. 25 1051. 70	- 1479. 73 - 1433. 84	
P36		50.0 0								0.40				

Esforços da Viga V8

fck = 300.00 kgf/cm²	Ecs = 268384 kgf/cm²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m³

Dados							Envoltória							
Pilar Trec ho	Apoi o 1 e 1o (cm)	Lar g Barr a (cm)	Carga distribuída		Temperat ura Caso T1 Caso T2 (°C)	Retraç ão (‰)	Esforço axial		Vd (tf)	Rm áx (tf)	Mdm áx (kgf. m)	Md+ (kgf. m)	Md- (kgf. m)	flec ha (cm)
			Perm · (kgf/ m)	Acid. (kgf/ m)			Nd (tf)	Rd (tf)						
P44		60.0 0								1.53				
1	319. 00 295. 00	295. 00	150.0 0	0.00			1.2 1	0.0 0	2.5 7		744.6 8	305.9 8 408.5 1	- 2206. 77 - 2054. 03	- 0.15
P39		60.0 0								1.45				

Resultados da Viga V1

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P42	50.00			3 ø 8.0 1.39					0.07	
1	334.90	15.00 x 40.00	2 ø 8.0 0.90			ø 5.0 c/ 21			0.02	0.15
P36	50.00			3 ø 8.0 1.28					0.05	

Resultados da Viga V2

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P43	25.00		2 ø 8.0 0.08	2 ø 8.0 0.90					0.02	
1	385.00	15.00 x 40.00	2 ø 8.0 0.90	2 ø 8.0 0.08		ø 5.0 c/ 21			0.01	0.28
P38	25.00		2 ø 8.0 0.08	2 ø 8.0 0.90					0.01	

Resultados da Viga V3

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P36	20.00			6 ø 8.0 2.69					0.01	
1	1128.55	15.00 x 50.00	3 ø 8.0 1.19	3 ø 10.0 2.27		ø 5.0 c/ 23			0.14	0.49
P39	25.00			6 ø 8.0 2.69					0.06	

Resultados da Viga V4

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P42	20.00			4 ø 10.0 3.04					0.02	
1	1128.55	15.00 x 40.00	3 ø 8.0 1.24			ø 5.0 c/ 21			0.10	0.62
P44	25.00			4 ø 10.0 3.04					0.12	

Resultados da Viga V5

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P36	20.00			3 ø 8.0 1.11					0.08	
1	487.55	15.00 x 40.00	2 ø 8.0 0.90			ø 5.0 c/ 21			0.03	0.26
P38	50.00			2 ø 8.0 0.90					0.05	
2	591.00	15.00 x 40.00	2 ø 8.0 0.90			ø 5.0 c/ 21			0.01	0.26
P39	25.00			2 ø 8.0 0.90					0.01	

Resultados da Viga V6

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P42	20.00			2 ø 8.0 1.04					0.15	
1	487.55	15.00 x 40.00	2 ø 8.0 0.90			ø 5.0 c/ 21			0.02	0.27
P43	50.00			2 ø 8.0 0.90					0.05	
2	591.00	15.00 x 40.00	2 ø 8.0 0.90			ø 5.0 c/ 21			0.01	0.27
P44	25.00			2 ø 8.0 0.90					0.01	

Resultados da Viga V7

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P42	50.00			2 ø 8.0 0.96					0.02	
1	334.90	15.00 x 40.00	2 ø 8.0 0.90			ø 5.0 c/ 21			0.00	0.12
P36	50.00			2 ø 8.0 0.93					0.02	

Resultados da Viga V8

fck = 300.00 kgf/cm ²	Ecs = 268384 kgf/cm ²
Cobrimento = 3.00 cm	Peso específico = 2500.00 kgf/m ³

Dados			Resultados							
Pilar Trecho	Apoio 1 e 1o (cm)	Seção (cm)	As Inf (cm ²)	As Sup (cm ²)	As esq trecho (cm ²)	Asw min (cm ²)	As dir trecho (cm ²)	Asw Pele (cm ²)	Fissura (mm)	Flecha (cm)
P44	60.00			2 ø 10.0 1.46					0.07	
1	295.00	15.00 x 40.00	2 ø 8.0 0.90			ø 5.0 c/ 21			0.02	0.15
P39	60.00			3 ø 8.0 1.35					0.05	

Dados das Lajes

COB. CAIXA	fck = 300.00 kgf/cm²	E = 268384 kgf/cm²	Peso Espec = 2500.00 kgf/m³
Lance 5		cobr = 3.00 cm	

Seção (cm)						Cargas (kgf/m²)				Temperatura Caso T1 Caso T2 (°C)	Retração Deform. X Deform. Y (‰)
Laje	Tipo	H	ee ec	enx eny	eex eey	Peso Próprio	Acidental Revestimento	Paredes Outras	Total		
R1	Maciça	10				262.77	50.00 100.00	0.00 0.00	412.77		

Resultados da Laje

COB. CAIXA	fck = 300.00 kgf/cm ²	E = 268384 kgf/cm ²	Peso Espec = 2500.00 kgf/m ³
Lance 5		cobr = 3.00 cm	

Nome	Espessura (cm)	Carga (kgf/m ²)	Mdx (kgf.m/m)	Mdy (kgf.m/m)	Asx	Asy	Flecha (cm)
R1	10	412.77	705	1562	As = 2.62 cm ² /m (ø6.3 c/11 - 2.83 cm ² /m)	As = 7.52 cm ² /m (ø12.5 c/16 - 7.67 cm ² /m)	-0.59