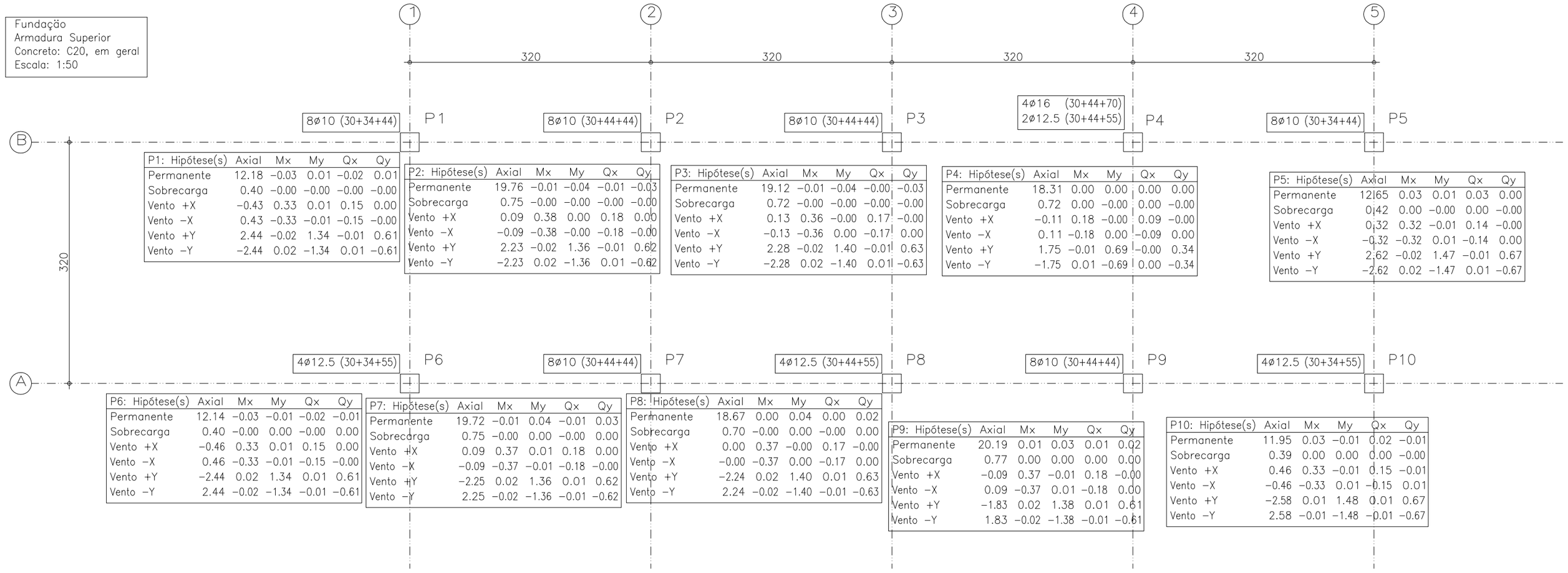
Fundação
Armadura Superior
Concreto: C20, em geral
Escala: 1:50



P1: Hipótese(s)	Axial	Mx	My	Qx	Qy
Permanente	12.18	−0.03	0.01	−0.02	0.01
Sobrecarga	0.40	−0.00	−0.00	−0.00	−0.00
Vento +X	−0.43	0.33	0.01	0.15	0.00
Vento −X	0.43	−0.33	−0.01	−0.15	−0.00
Vento +Y	2.44	−0.02	1.34	−0.01	0.61
Vento −Y	−2.44	0.02	−1.34	0.01	−0.61

P2: Hipótese(s)	Axial	Mx	My	Qx	Qy
Permanente	19.76	−0.01	−0.04	−0.01	−0.03
Sobrecarga	0.75	−0.00	−0.00	−0.00	−0.00
Vento +X	0.09	0.38	0.00	0.18	0.00
Vento −X	−0.09	−0.38	−0.00	−0.18	−0.00
Vento +Y	2.23	−0.02	1.36	−0.01	0.62
Vento −Y	−2.23	0.02	−1.36	0.01	−0.62

P3: Hipótese(s)	Axial	Mx	My	Qx	Qy
Permanente	19.12	−0.01	−0.04	−0.00	−0.03
Sobrecarga	0.72	−0.00	−0.00	−0.00	−0.00
Vento +X	0.13	0.36	−0.00	0.17	−0.00
Vento −X	−0.13	−0.36	0.00	−0.17	0.00
Vento +Y	2.28	−0.02	1.40	−0.01	0.63
Vento −Y	−2.28	0.02	−1.40	0.01	−0.63

P4: Hipótese(s)	Axial	Mx	My	Qx	Qy
Permanente	18.31	0.00	0.00	0.00	0.00
Sobrecarga	0.72	0.00	−0.00	0.00	−0.00
Vento +X	−0.11	0.18	−0.00	0.09	−0.00
Vento −X	0.11	−0.18	0.00	−0.09	0.00
Vento +Y	1.75	−0.01	0.69	−0.00	0.34
Vento −Y	−1.75	0.01	−0.69	0.00	−0.34

P5: Hipótese(s)	Axial	Mx	My	Qx	Qy
Permanente	12.65	0.03	0.01	0.03	0.00
Sobrecarga	0.42	0.00	−0.00	0.00	−0.00
Vento +X	0.32	0.32	−0.01	0.14	−0.00
Vento −X	−0.32	−0.32	0.01	−0.14	0.00
Vento +Y	2.62	−0.02	1.47	−0.01	0.67
Vento −Y	−2.62	0.02	−1.47	0.01	−0.67

P6: Hipótese(s)	Axial	Mx	My	Qx	Qy
Permanente	12.14	−0.03	−0.01	−0.02	−0.01
Sobrecarga	0.40	−0.00	0.00	−0.00	0.00
Vento +X	−0.46	0.33	0.01	0.15	0.00
Vento −X	0.46	−0.33	−0.01	−0.15	−0.00
Vento +Y	−2.44	0.02	1.34	0.01	0.61
Vento −Y	2.44	−0.02	−1.34	−0.01	−0.61

P7: Hipótese(s)	Axial	Mx	My	Qx	Qy
Permanente	19.72	−0.01	0.04	−0.01	0.03
Sobrecarga	0.75	−0.00	0.00	−0.00	0.00
Vento +X	0.09	0.37	0.01	0.18	0.00
Vento −X	−0.09	−0.37	−0.01	−0.18	−0.00
Vento +Y	−2.25	0.02	1.36	0.01	0.62
Vento −Y	2.25	−0.02	−1.36	−0.01	−0.62

P8: Hipótese(s)	Axial	Mx	My	Qx	Qy
Permanente	18.67	0.00	0.04	0.00	0.02
Sobrecarga	0.70	−0.00	0.00	−0.00	0.00
Vento +X	0.00	0.37	−0.00	0.17	−0.00
Vento −X	−0.00	−0.37	0.00	−0.17	0.00
Vento +Y	−2.24	0.02	1.40	0.01	0.63
Vento −Y	2.24	−0.02	−1.40	−0.01	−0.63

P9: Hipótese(s)	Axial	Mx	My	Qx	Qy
Permanente	20.19	0.01	0.03	0.01	0.02
Sobrecarga	0.77	0.00	0.00	0.00	0.00
Vento +X	−0.09	0.37	−0.01	0.18	−0.00
Vento −X	0.09	−0.37	0.01	−0.18	0.00
Vento +Y	−1.83	0.02	1.38	0.01	0.61
Vento −Y	1.83	−0.02	−1.38	−0.01	−0.61

P10: Hipótese(s)	Axial	Mx	My	Qx	Qy
Permanente	11.95	0.03	−0.01	0.02	−0.01
Sobrecarga	0.39	0.00	0.00	0.00	−0.00
Vento +X	0.46	0.33	−0.01	0.15	−0.01
Vento −X	−0.46	−0.33	0.01	−0.15	0.01
Vento +Y	−2.58	0.01	1.48	0.01	0.67
Vento −Y	2.58	−0.01	−1.48	−0.01	−0.67

Axial:tf

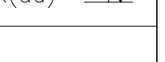
Mx:tf x m

My:tf x m

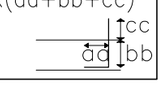
Qx:tf

Qy:tf

nøxx(aa)

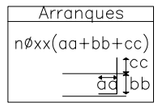


nøxx(aa+bb+cc)

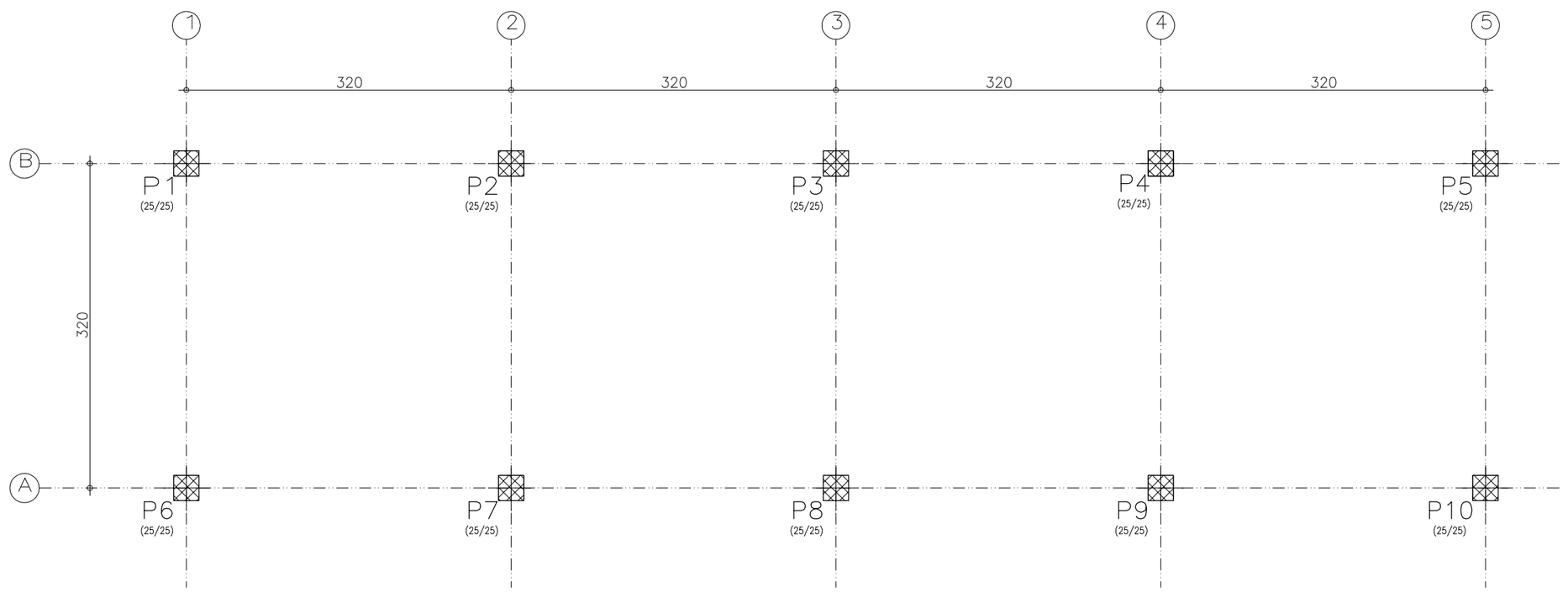


Arranques

nøxx(aa+bb+cc)



Fundação
Fundação
Concreto: C20, em geral
Escala: 1:50



SECRETARIA DE OBRAS PÚBLICAS

DEPARTAMENTO DE GESTÃO DE OBRAS DE PRÓPRIOS PÚBLICOS

CENTRO ADMINISTRATIVO FERNANDO FERRARI - AV. BORGES DE MEDEIROS N. 1501 - POA/RS

DIVISÃO: PROJETOS COMPLEMENTARES	DIRETOR D.O.: ARQ. ODIR BACCARIN
RESPONSÁVEL TÉCNICO P/ AMPLIAÇÃO: ENG. CIVIL ANA LUCIA MOSELE - CREA 37.222; ENGº AYRTON C. OLIVEIRA - CREA 70066	VIST. COORD. PROJ.: ENG. LUIS FERNANDO; DESENHO: ACAD. MARISA CASTRO
OBRA: UNIDADE PRONTO ATENDIMENTO - UPA III	AREA: 1.485,50 m²
ENDEREÇO: PROJETO PADRÃO	MUNICÍPIO
PROJETO: ESTRUTURAL	ASSUNTO: LOCAÇÕES E CARGAS NOS PILARES
ESCALA: INDICADA; DATA: OUT 2009	Nº PRANCHA: C01/07
Nº ARQUIVO: XXX-EST-PL-LCP-R000	