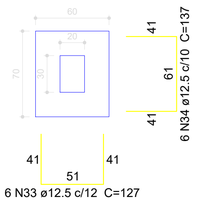
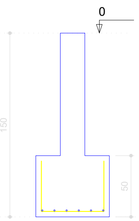
S5
PLANTA
ESC 1:25

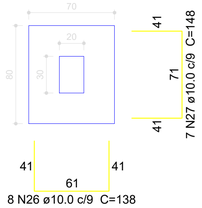


Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1500.00 kgf/m³

CORTE
ESC 1:25

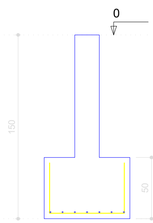


S4=S6
PLANTA
ESC 1:25

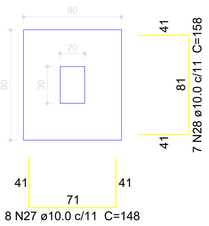


Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1500.00 kgf/m³

CORTE
ESC 1:25

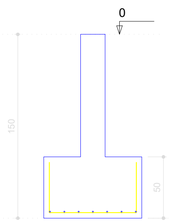


S1
PLANTA
ESC 1:25

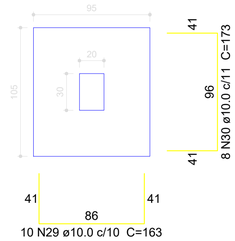


Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1500.00 kgf/m³

CORTE
ESC 1:25

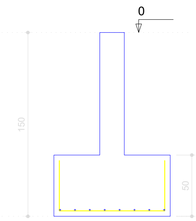


S2=S3=S7=S8
PLANTA
ESC 1:25



Solo com capacidade de suporte > 1.50 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1500.00 kgf/m³

CORTE
ESC 1:25



Relação do aço

2xP1	4xP2	P5
P8	S1	4xS2
2xS4	S5	VB1
VB2	VB3	VB4
VB5	VB6	

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	208	86	17888
	2	5.0	162	76	12312
	3	5.0	2	102	204
	4	5.0	80	92	7360
	5	5.0	20	30	600
CA50	6	6.3	9	92	828
	7	8.0	2	102	204
	8	10.0	2	1046	2092
	9	10.0	2	520	1040
	10	10.0	4	1199	4796
	11	10.0	2	380	760
	12	10.0	2	664	1328
	13	10.0	4	818	3272
	14	10.0	4	224	896
	15	10.0	2	1049	2098
	16	10.0	2	415	830
	17	10.0	5	345	1725
	18	10.0	1	138	138
	19	10.0	3	383	1149
	20	10.0	2	326	652
	21	10.0	2	374	748
	22	10.0	2	32	64
	23	10.0	4	328	1312
	24	10.0	4	375	1500
	25	10.0	2	387	774
	26	10.0	16	138	2208
	27	10.0	22	148	3256
	28	10.0	7	158	1106
	29	10.0	40	163	6520
	30	10.0	32	173	5536
	31	12.5	34	214	7276
	32	12.5	8	164	1312
	33	12.5	6	127	762
	34	12.5	6	137	822

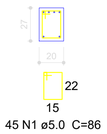
Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	8.3	2.2
	8.0	2.1	0.9
	10.0	438	297
	12.5	101.8	107.8
CA60	5.0	383.7	65
PESO TOTAL (kg)			
CA50			408
CA60			65

Volume de concreto (C-25) = 6.18 m³
Área de forma = 57.97 m²

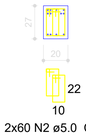
VB2 (20 x 27)
ESC 1:50

SEÇÃO A-A
ESC 1:25

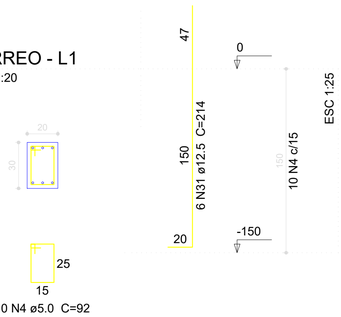


SUSPENSÃO VB5
ESC 1:25

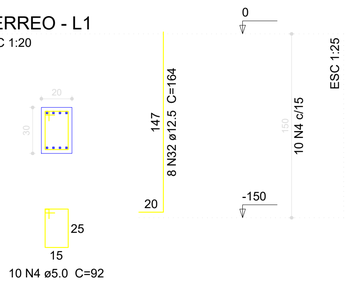
SEÇÃO B-B
ESC 1:25



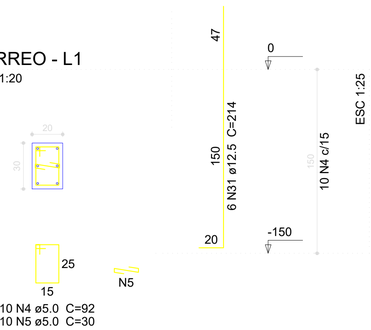
P5
TÉRREO - L1
ESC 1:20



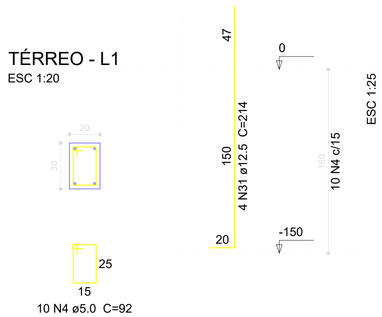
P8
TÉRREO - L1
ESC 1:20



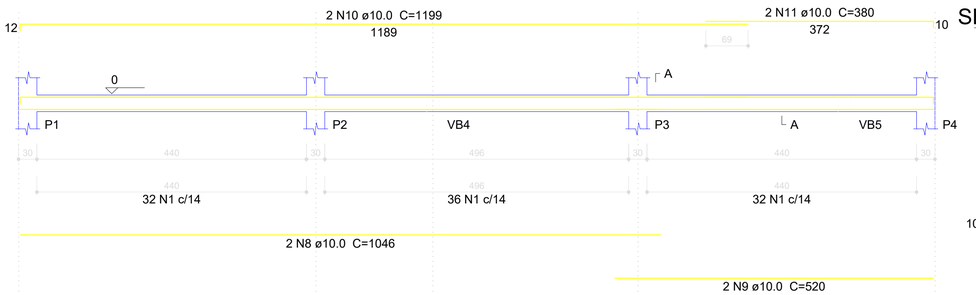
P1=P7
TÉRREO - L1
ESC 1:20



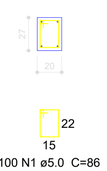
P2=P3=P4=P6
TÉRREO - L1
ESC 1:20



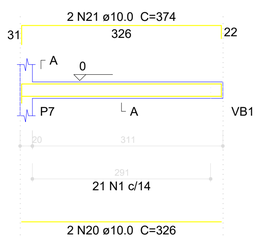
VB1 (20 x 27)
ESC 1:50



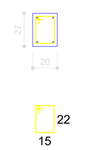
SEÇÃO A-A
ESC 1:25



VB4 (20 x 27)
ESC 1:50

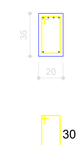


SEÇÃO A-A
ESC 1:25

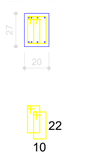


VB5 (var)
ESC 1:50

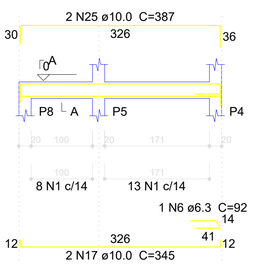
SEÇÃO A-A
ESC 1:25



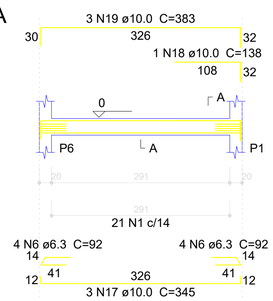
SEÇÃO B-B
ESC 1:25



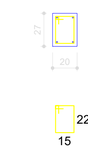
VB6 (20 x 27)
ESC 1:50



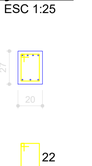
VB3 (20 x 27)
ESC 1:50



SEÇÃO A-A
ESC 1:25



SEÇÃO A-A
ESC 1:25



Prefeitura Municipal de Roque Gonzales

ADMINISTRAÇÃO

FERNANDO MATTES MACHRY & JOSÉ ALFREDO KUPSKE

Rua Padre Anchieta 221, FONE: 55 3365 3300 - email: pmrg@roquegonzales-rs.com.br

OBRA	PROJETO	PROJETO ESTRUTURAL	PRANCHA	01
		RESPONSÁVEL TÉCNICO: MATHEUS KUHN STROCHEIN:02642800083 2800083 — Assinado de forma digital por MATHEUS KUHN STROCHEIN:02642800083 Dados: 2026.03.15 20:45:41 -03'00' — Matheus Kuhn Strochein, Engenheiro Civil - CREA RS 216.180 CPF: 026.428.000-83	ESCALA	1:50
			DESENHO	Matheus
OBRA		AMPLIAÇÃO DA QUADRA COBERTA DA TERCEIRA IDADE	DATA	MARÇO 2026
ENDEREÇO		Rua Rui Barbosa, 465 - Centro	ÁREA	236,65 m²

ESPERA PILARES, SAPATAS E VIGAS BALDRAME

A1 - 84,1x59,4 cm - 1:0.05