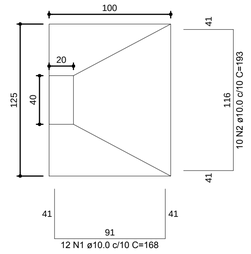
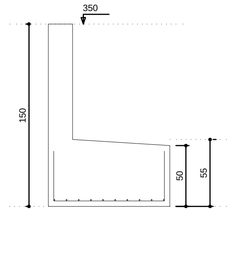
S1

PLANTA
ESC 1:25



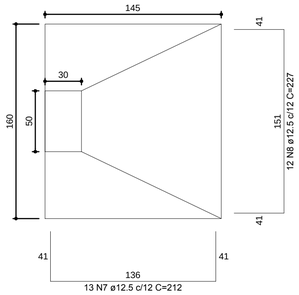
CORTE
ESC 1:25



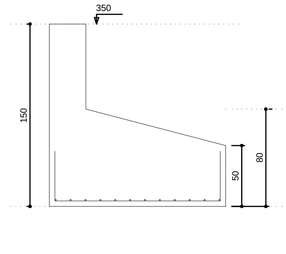
Solo com capacidade de suporte > 2.20 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1800.00 kgf/m³

S6

PLANTA
ESC 1:25



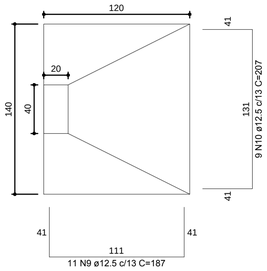
CORTE
ESC 1:25



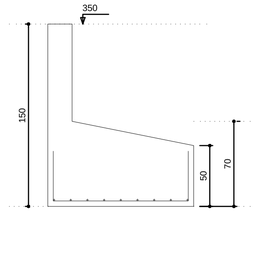
Solo com capacidade de suporte > 2.20 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1800.00 kgf/m³

S10

PLANTA
ESC 1:25



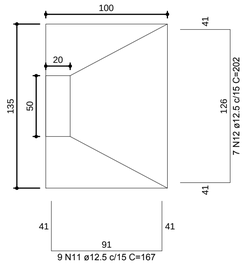
CORTE
ESC 1:25



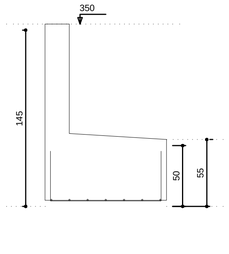
Solo com capacidade de suporte > 2.20 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1800.00 kgf/m³

S13

PLANTA
ESC 1:25



CORTE
ESC 1:25



Solo com capacidade de suporte > 2.20 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1800.00 kgf/m³

RELAÇÃO DO AÇO

S1
S13
S6
S16
S10
2xS19

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA50	1	10.0	12	168	2016
	2	10.0	10	193	1930
	3	10.0	11	163	1793
	4	10.0	8	188	1504
	5	10.0	18	153	2754
	6	10.0	14	173	2422
	7	12.5	13	212	2756
	8	12.5	12	227	2724
	9	12.5	11	187	2057
	10	12.5	9	207	1863
	11	12.5	9	167	1503
	12	12.5	7	202	1414

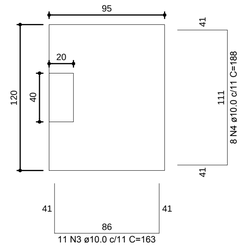
RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	10.0	98,31	60,66
	12.5	123.2	117,45
PESO TOTAL (kg)			
CA50	178,11		

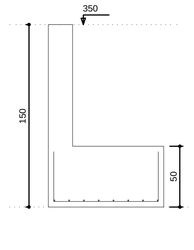
Volume de concreto (C-25) = 5.30 m³
Área de forma = 17.16 m²

S16

PLANTA
ESC 1:25



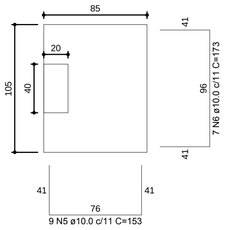
CORTE
ESC 1:25



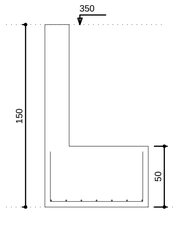
Solo com capacidade de suporte > 2.20 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1800.00 kgf/m³

S19=S22

PLANTA
ESC 1:25



CORTE
ESC 1:25

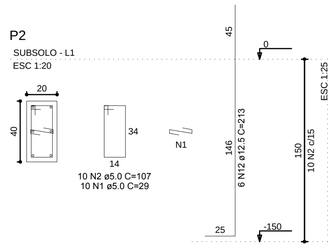


Solo com capacidade de suporte > 2.20 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1800.00 kgf/m³

Detalhe Sapatas Térreo
Escala 1:50

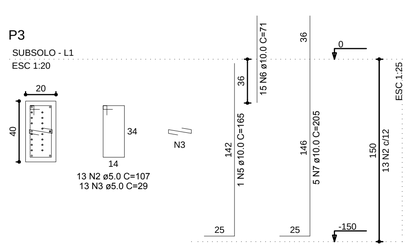
P2

SUBSOLO - L1
ESC 1:20



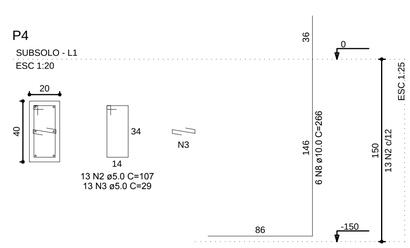
P3

SUBSOLO - L1
ESC 1:20



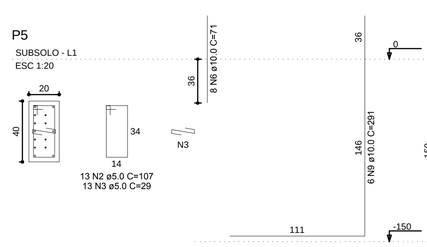
P4

SUBSOLO - L1
ESC 1:20



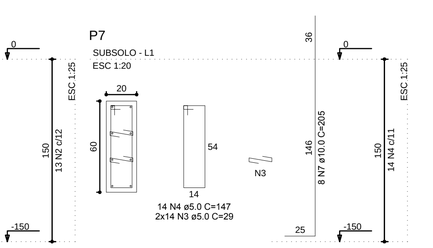
P5

SUBSOLO - L1
ESC 1:20



P7

SUBSOLO - L1
ESC 1:20



RELAÇÃO DO AÇO

P2
P5
P9
P14
2xP20
P3
P7
P11
2xP15
P4
P8
P12
3xP17

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	10	29	290
	2	5.0	202	107	21614
	3	5.0	210	29	6090
	4	5.0	14	147	2058
CA50	5	10.0	19	165	3135
	6	10.0	75	71	5325
	7	10.0	55	205	11275
	8	10.0	6	266	1596
	9	10.0	6	291	1746
	10	10.0	4	261	1044
	11	10.0	6	301	1806
	12	12.5	6	213	1278
	13	12.5	4	304	1216
	14	12.5	34	89	3026

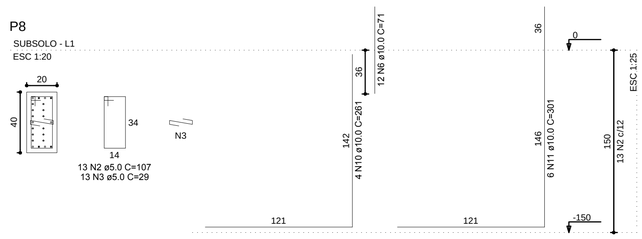
RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	10.0	259.3	158,22
	12.5	55.2	52,65
CA60	5.0	300.5	45,90
PESO TOTAL (kg)			
CA50	210,87		
CA60	45,90		

Volume de concreto (C-30) = 2.10 m³
Área de forma = 31.20 m²

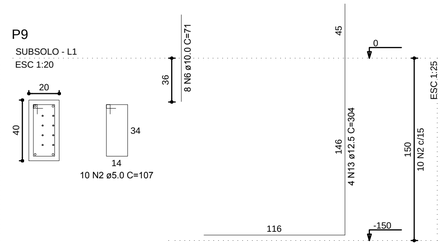
P8

SUBSOLO - L1
ESC 1:20



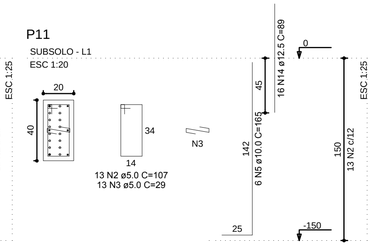
P9

SUBSOLO - L1
ESC 1:20



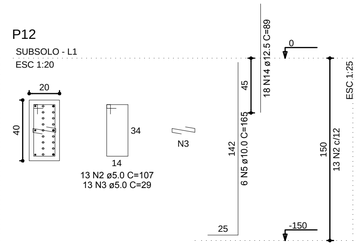
P11

SUBSOLO - L1
ESC 1:20



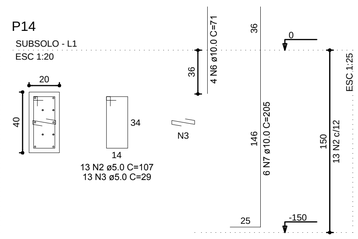
P12

SUBSOLO - L1
ESC 1:20



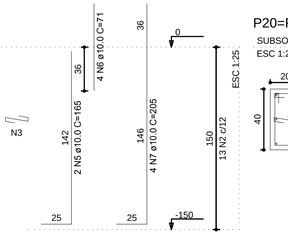
P14

SUBSOLO - L1
ESC 1:20



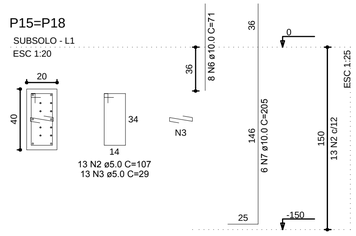
P17=P21=P24

SUBSOLO - L1
ESC 1:20



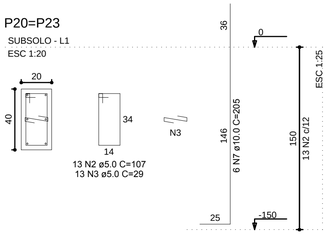
P15=P18

SUBSOLO - L1
ESC 1:20



P20=P23

SUBSOLO - L1
ESC 1:20



Detalhe Arranques Subsolo
Escala 1:50

PREFEITURA MUNICIPAL

Administração 2021 / 2024

ADMINISTRAÇÃO
RESP. TÉCNICO

PRANCHA: 03/13

PROJETO: ESTRUTURAL

OBRA: REFORMA E AMPLIAÇÃO CMEI NONA LUIZA

ÁREA:
Área da edificação Existente: 755,65 m²
Área de Reforma: 244,61 m²
Área a Ampliar: 228,80 m²
Área Total: 984,45 m²

ESPECIFICAÇÕES: DETALHE SAPATAS TÉRREO
DETALHES ARRANQUES SUBSOLO

DATA: SETEMBRO / 2021

LOTE: 5/6
QUADRA: 01

LOCAL: RUA PAULO ANTONIO DE GODOY
BAIRRO DA LUZ

ESCALA: INDICADA

MUNICÍPIO: DOIS VIZINHOS
ESTADO: PARANÁ

ARQUIVO