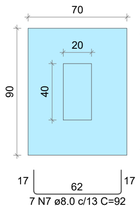
S1=S2=S3=S4=S5=S8=S9=S12

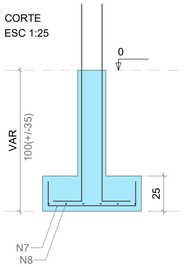
PLANTA
ESC 1:25



Solo com capacidade de suporte > 5.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

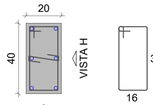
P1=P4=P5=P9

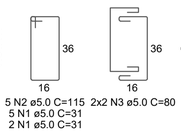
CORTE
ESC 1:25

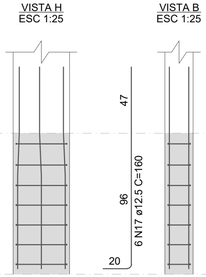


PAVIMENTO - L1

SEÇÃO
ESC 1:20



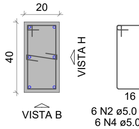


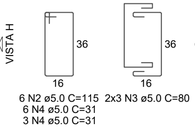


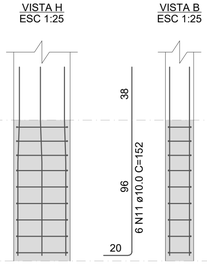
P2=P8=P12

PAVIMENTO - L1

SEÇÃO
ESC 1:20



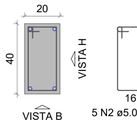


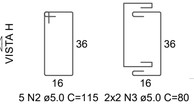


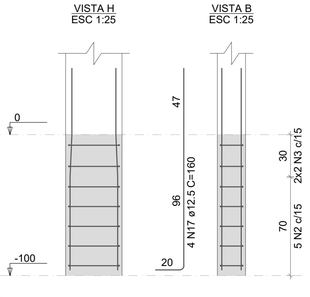
P3

PAVIMENTO - L1

SEÇÃO
ESC 1:20

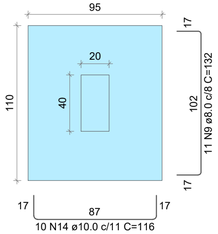






S6

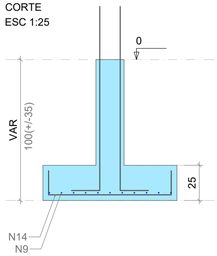
PLANTA
ESC 1:25



Solo com capacidade de suporte > 5.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

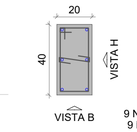
P6

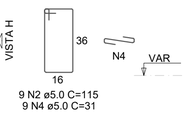
CORTE
ESC 1:25

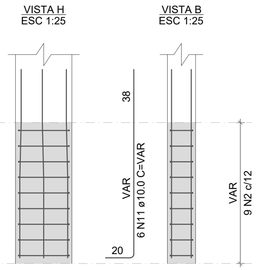


PAVIMENTO - L1

SEÇÃO
ESC 1:20

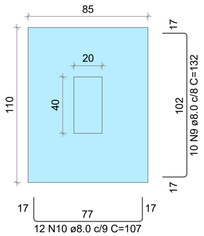






S7=S11

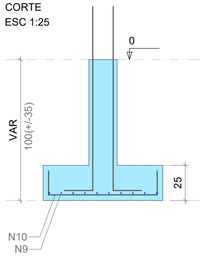
PLANTA
ESC 1:25



Solo com capacidade de suporte > 5.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

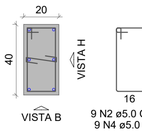
P7=P11

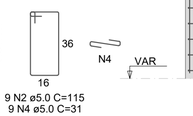
CORTE
ESC 1:25

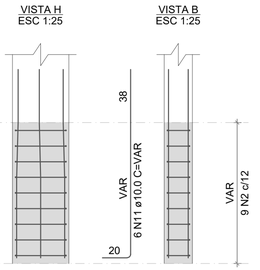


PAVIMENTO - L1

SEÇÃO
ESC 1:20

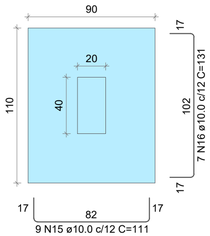






S10

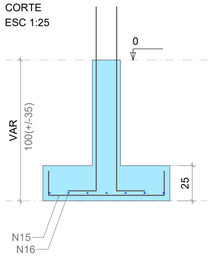
PLANTA
ESC 1:25



Solo com capacidade de suporte > 5.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

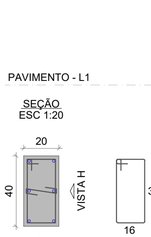
P10

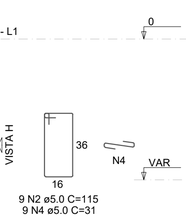
CORTE
ESC 1:25

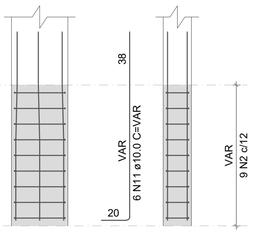


PAVIMENTO - L1

SEÇÃO
ESC 1:20







RELAÇÃO DO AÇO

4xP1	3xP2	P3
P6	2xP7	P10
2xP13	2xP16	4xP19
8xS1	S6	S10
2xS11	8xS13	

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	84	31	2604
	2	5.0	157	115	18055
	3	5.0	66	80	5280
	4	5.0	135	31	4185
	5	5.0	30	95	2850
	6	5.0	12	70	840
CA50	7	8.0	112	92	10304
	8	8.0	96	112	10752
	9	8.0	31	132	4092
	10	8.0	24	107	2568
	11	10.0	42	152	6384
	12	10.0	20	252	5040
	13	10.0	4	212	848
	14	10.0	10	116	1160
	15	10.0	9	111	999
	16	10.0	7	131	917
	17	12.5	28	160	4480
	18	12.5	24	260	6240

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	277.2	120.3
	10.0	153.5	104.1
	12.5	107.2	113.6
CA60	5.0	338.1	57.3

PESO TOTAL (kg)	
CA50	338
CA60	57.3

Volume de concreto (C-25) = 5.27 m³
Área de forma = 49.58 m²

LIGA ENGENHARIA
Você sonha, nós concretizamos!
55 99684 4832 I 55 99713 6336
ligaengenharia@hotmail.com
Avenida Jacob Ermindo Hartmann, nº 223 São Martinho/RS

TÍTULO:
ESTRUTURAL - FUNDAÇÃO/SAPATAS

PROPRIETÁRIOS: Prefeitura Municipal de São Martinho-RS
CPF: 87.613.097/0001-96

ENDEREÇO:
Ampliação Escola Municipal de Ensino Fundamental Pe. Antônio Michels, São Martinho - RS
Av. Pedro Dutra, 59, Centro, São Martinho/RS

ÁREA:	DATA:	UNIDADE DE MEDIDA:	ESCALA:
295,14m²	Dezembro/2022	metros	1:50

AUTOR DO PROJETO: Gabriela Blatt

PRANCHA: 09

Prefeitura Municipal de São Martinho-RS
Proprietário

Gabriela Blatt
Responsável Técnico
Eng. Civil - CREA RS221572