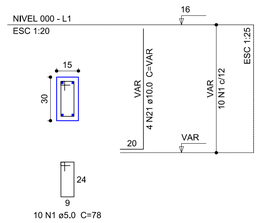
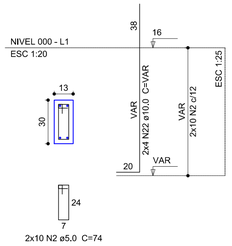
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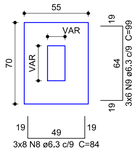


P4=P5



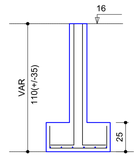
S4=S5=S14

PLANTA
ESC 1:25

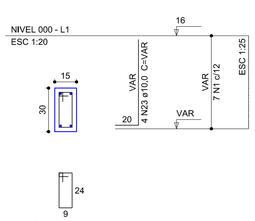


Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

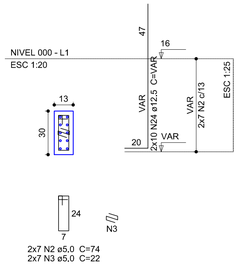
CORTE
ESC 1:25



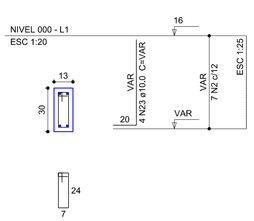
P13



P19=P21

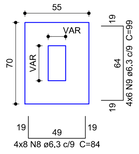


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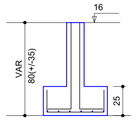
S13=S19=S20=S21

PLANTA
ESC 1:25

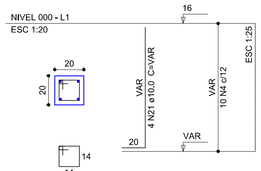


Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:25

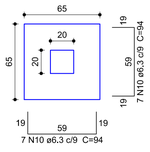


P22=P25



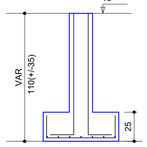
S22=S25

PLANTA
ESC 1:25

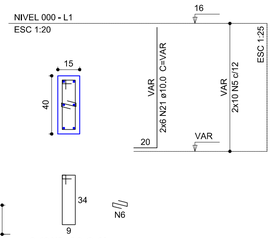


Solo compactado sobre a sapata
peso específico > 1600,00 kgf/m³

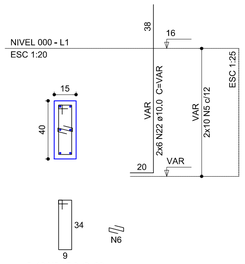
CORTE
ESC 1:25



P23=P24

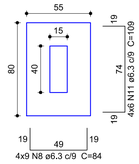


P3=P6



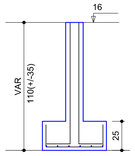
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PLANTA
ESC 1:25

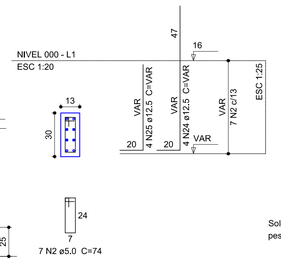


Solo compactado sobre a sapata
peso específico > 1600,00 kgf/m³

CORTE
ESC 1:25

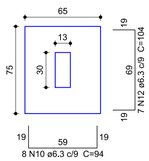


P11



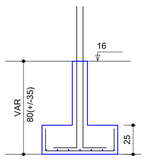
S11

PLANTA
ESC 1:25



Solo compactado sobre a sapata
peso específico > 1600,00 kgf/m³

CORTE
ESC 1:25



P1=P2

P16

S1=S2=S16

PLANTA
ESC 1:25

Solo compactado sobre a sapata
peso específico > 1600,00 kgf/m³

CORTE
ESC 1:25

P17

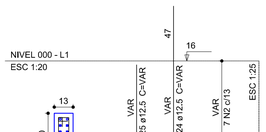
S17

PLANTA
ESC 1:25

Solo compactado sobre a sapata
peso específico > 1600,00 kgf/m³

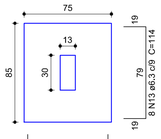
CORTE
ESC 1:25

P12



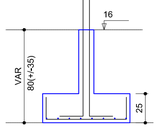
S12

PLANTA
ESC 1:25

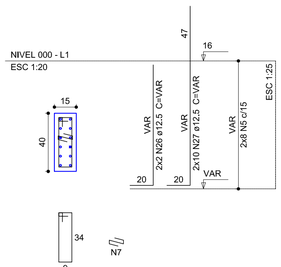


Solo compactado sobre a sapata
peso específico > 1600,00 kgf/m³

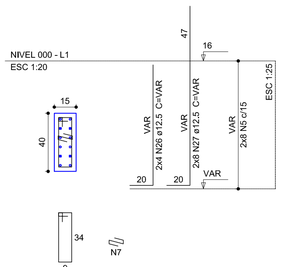
CORTE
ESC 1:25



P7=P10

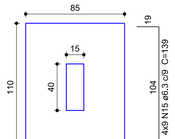


P15=P18



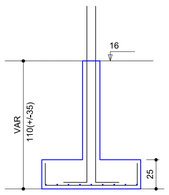
S7=S10=S15=S18

PLANTA
ESC 1:25

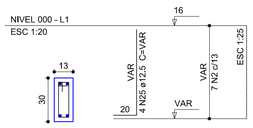


Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:25

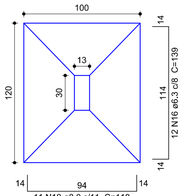


P8



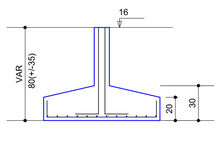
S8

PLANTA
ESC 1:25

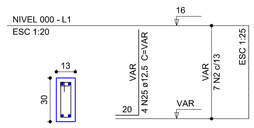


Solo compactado sobre a sapata
peso específico > 1600.00 kgf/m³

CORTE
ESC 1:25

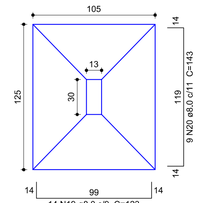


P9



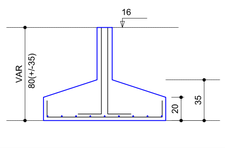
S9

PLANTA
ESC 1:25



Solo compactado sobre a sapata
peso específico > 1600,00 kgf/m³

CORTE
ESC 1:25



Relação do aço

S1	S8	S9
S10	S11	S12
S13	S14	S17
S23	2xS25	

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	17	78	1326
	2	5.0	108	74	7992
	3	5.0	14	22	308
	4	5.0	20	68	1360
	5	5.0	72	98	7056
	6	5.0	40	24	960
	7	5.0	32	24	768
CA50	8	6.3	92	84	7728
	9	6.3	79	99	7821
	10	6.3	36	94	3384
	11	6.3	24	109	2616
	12	6.3	16	104	1664
	13	6.3	32	114	3648
	14	6.3	8	119	952
	15	6.3	36	139	5004
	16	6.3	12	139	1668
	17	8.0	36	113	4068
	18	8.0	11	118	1298
	19	8.0	14	123	1722
	20	8.0	9	143	1287
	21	10.0	28	VAR	VAR
	22	10.0	32	VAR	VAR
	23	10.0	8	VAR	VAR
	24	12.5	28	VAR	VAR
	25	12.5	20	VAR	VAR
	26	12.5	16	VAR	VAR
	27	12.5	40	VAR	VAR

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	344.9	92.8
	8.0	83.8	36.4
	10.0	93.7	63.5
	12.5	145.5	154.1
CA60	5.0	197.7	33.5
PESO TOTAL (kg)			
CA50	346.8		
CA60	33,5		

Volume de concreto (C-25) = 4.95 m³
Área de forma = 42.34 m²

MUNÍCIPIO DE VALE DO SOL
PODER EXECUTIVO
RUA AUGUSTO EMMEL, N° 96, CENTRO, CEP. 96878-000, FONE: 015 (51) 3750-1122

KATCZINSKIengenharia

Projeto FNDE - Ampliação de 2 salas EMEI Daltro Filho
ESTRADA VICINAL DE FAXINAL DE DENTRO, ÁREA RURAL, VALE DO SOL - RS.

Projeto: JOAO LUIZ DOS SANTOS KATCZINSKI:00311836038
Assinado de forma digital por JOAO LUIZ DOS SANTOS KATCZINSKI:00311836038
Dados: 2024.07.03 18:05:16 -03'00'

Eng.º Civil - João Luiz Katczinski
CREA - RS213510

Cliente:
Prefeitura Municipal de Vale do Sol/RS (EMEF. Daltro Filho)
CNPJ: 94.577.576/0001-70

Escala
Indicada

Conteúdo da Prancha
FUNDAÇÕES SAPATAS - SAPATAS DETALHAMENTOS

Projetista
KATCZINSKI

Data
JULHO / 2024

Prancha
02/03