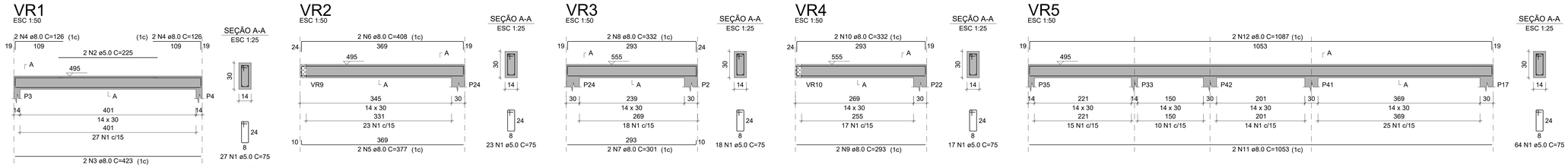


VIGAS

RELAÇÃO DO AÇO

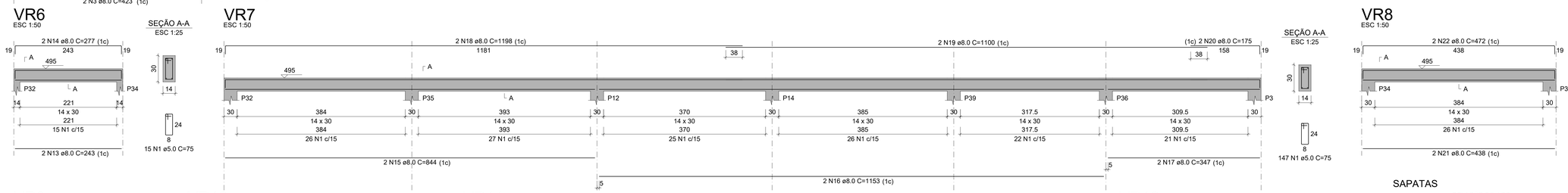
VR1	VR2	VR3
VR4	VR5	VR6
VR7	VR8	VR9
VR10	VR11	VR12

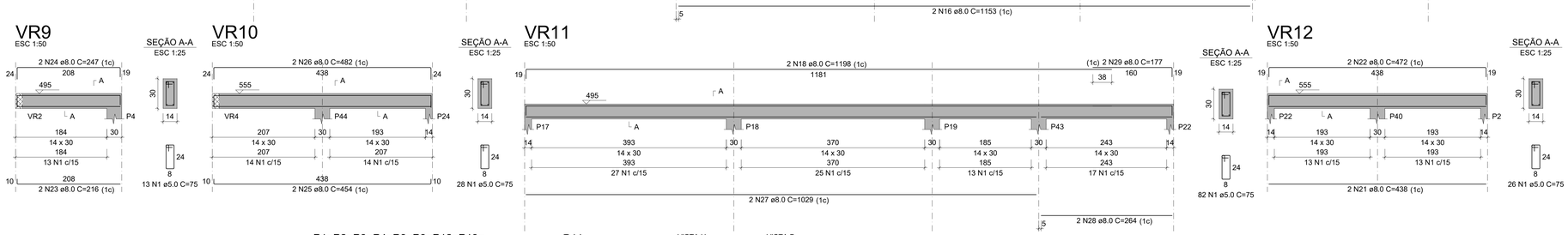
RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	321.6	139.6
CA60	5.0	369	62.6

PESO TOTAL (kg)	
CA50	139.6
CA60	62.6

Volume de concreto (C-25) = 2.98 m³
Área de forma = 52.48 m²





SAPATAS

RELAÇÃO DO AÇO

33xP1 P44 34xS1

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	442	75	33150
CA50	2	8.0	272	84	22848
	3	8.0	204	99	20196
	4	10.0	136	VAR	VAR

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	430.4	186.8
	10.0	274.7	186.3
CA60	5.0	331.5	56.2

PESO TOTAL (kg)	
CA50	373.1
CA60	56.2

Volume de concreto (C-25) = 6.13 m³
Área de forma = 58.41 m²

ARRANQUES

RELAÇÃO DO AÇO

33xP1 P44

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	442	75	33150
CA50	2	10.0	136	VAR	VAR

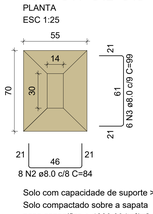
RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	274.7	186.3
CA60	5.0	331.5	56.2

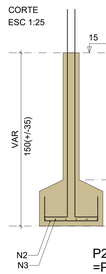
PESO TOTAL (kg)	
CA50	186.3
CA60	56.2

Volume de concreto (C-25) = 1.57 m³
Área de forma = 32.91 m²

S1=S2=S3=S4=S6=S9=S12=S13=S14=S15=S16
=S17=S18=S19=S20=S21=S22=S24=S29=S30
=S31=S32=S33=S34=S35=S36=S37=S38=S39
=S40=S41=S42=S43=S44



Solo com capacidade de suporte > 3.00 kgf/cm²
Solo compactado sobre a sapata
peso específico > 1800.00 kgf/m³



P1=P2=P3=P4=P6=P9=P12=P13=
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=P20=P21=P22=P24=P29=P30=
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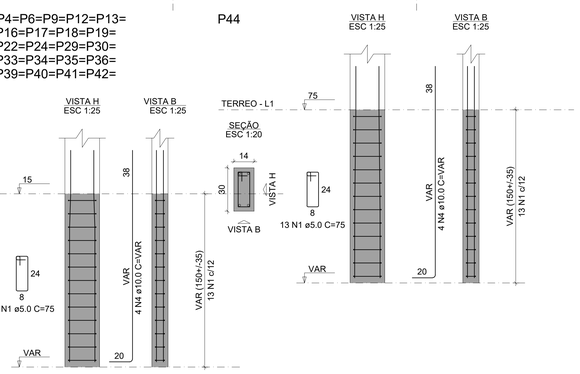

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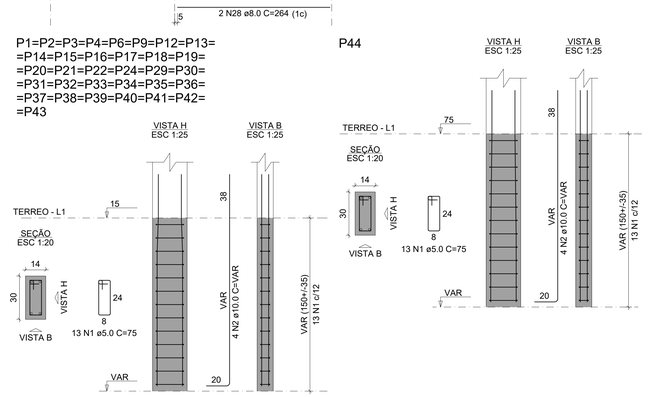

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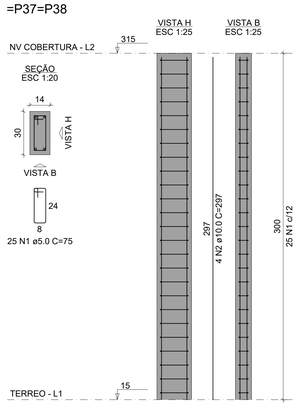

P2=P3=P4=P12=P14=P17=
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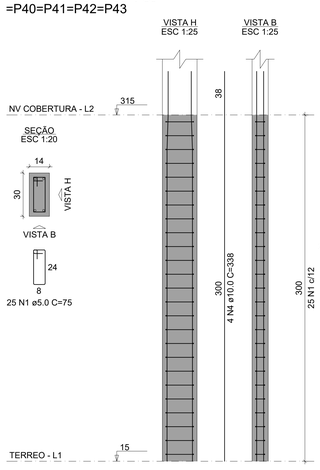
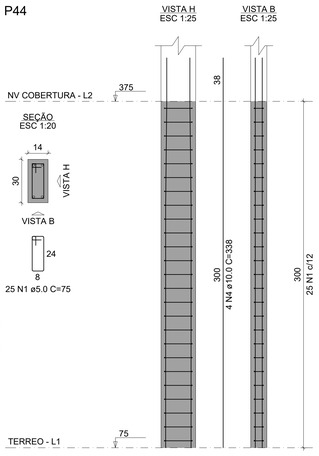
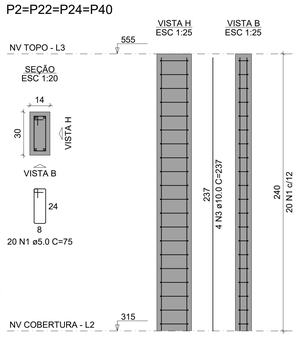
=P40=P41=P42=P43



P44



P2=P22=P24=P40



P3=P4=P12=P14=P17=P18=
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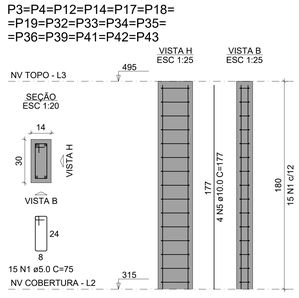
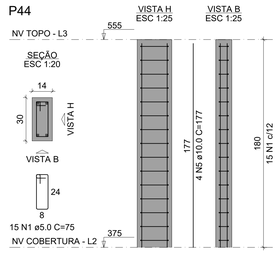
=P36=P39=P41=P42=P43



P44



PILARES

RELAÇÃO DO AÇO

13xP1-L2	4xP2-L3	20xP2-L2
16xP3-L3	P44-L3	P44-L2

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	1185	75	88875
CA50	2	10.0	52	297	15444
	3	10.0	16	237	3792
	4	10.0	84	338	28392
	5	10.0	68	177	12036

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	596.6	404.6
CA60	5.0	888.8	150.7

PESO TOTAL (kg)	
CA50	404.6
CA60	150.7

Volume de concreto (C-25) = 5.97 m³
Área de forma = 125.14 m²

REVISÃO	DATA	DESCRIÇÃO
R00		EMISSÃO INICIAL

PROJETO ESTRUTURAL

OBRA: SECRETARIA DE EDUCAÇÃO EM RONDOLÂNDIA

PROPRIETÁRIO: PREFEITURA MUNICIPAL DE RONDOLÂNDIA
CPF/ CNPJ: 04.221.486/0001-49

ENDEREÇO: AV. JOANA ALVES, QD-48, LOTE 04, RONDOLÂNDIA - MT

AUTOR DO PROJETO: ANDERSON TIAGO RODRIGUES GOMES HOFFMANN
CREA/ CAU: ENGENHEIRO CIVIL
CREA: 22969

RESP. P/ EXECUÇÃO:
CREA/ CAU:

ESCALA: INDICADAS

ASSUNTO: DETALHAMENTOS

FOLHA Nº: EST 06/06

NOME DO ARQUIVO DIGITAL: