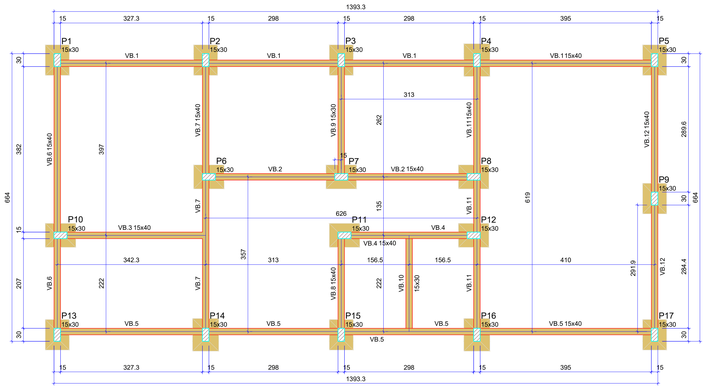


Forma do pavimento Fundação (Nível 0)

escala 1:50

Vigas			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
VB.1	15x40	0	0
VB.2	15x40	0	0
VB.3	15x40	0	0
VB.4	15x40	0	0
VB.5	15x40	0	0
VB.6	15x40	0	0
VB.7	15x40	0	0
VB.8	15x40	0	0
VB.9	15x30	0	0
VB.10	15x30	0	0
VB.11	15x40	0	0
VB.12	15x40	0	0

Características dos materiais			
fck (kgf/cm²)	Ecs (kgf/cm²)	fct (kgf/cm²)	Abatimento (cm)
250	241500	26	5.00

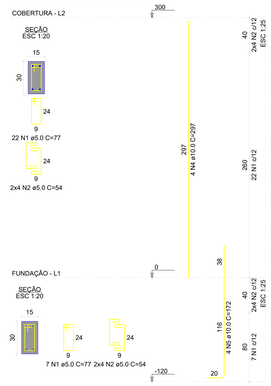
Dimensão máxima do agregado = 19 mm

Pilares			
Nome	Seção (cm)	Elevação (cm)	Nível (cm)
P1	15x30	0	0
P2	15x30	0	0
P3	15x30	0	0
P4	15x30	0	0
P5	15x30	0	0
P6	15x30	0	0
P7	15x30	0	0
P8	15x30	0	0
P9	15x30	0	0
P10	15x30	0	0
P11	15x30	0	0
P12	15x30	0	0
P13	15x30	0	0
P14	15x30	0	0
P15	15x30	0	0
P16	15x30	0	0
P17	15x30	0	0

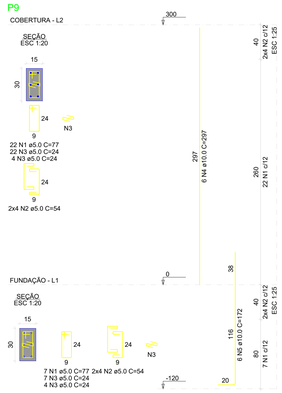
Legenda dos pilares
Pilar que passa

Legenda das vigas e paredes
Viga

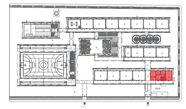
P1=P2=P3=P4=P5=P6=P7=P8=P10
P11=P12=P13=P14=P15=P16=P17



P9



OBSERVAÇÕES:



CROQUI DE REFERÊNCIA

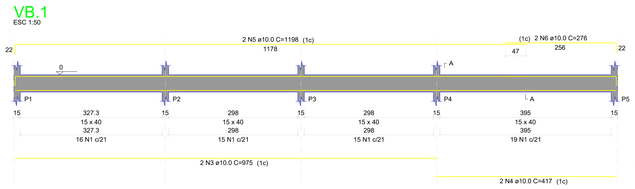
RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 5% (Barras)	UNIT	PESO + 5% (kg)
CA50	10.0	328.3	29	12 m	212.5
CA60	5.0	335.4		rolo (170 kg)	86.6
PESO TOTAL (kg)					
CA50	212.5				
CA60	86.6				

Volume de concreto (C-25) = 2.91 m³
Área de forma = 58.14 m²

VB.1

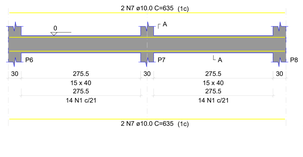
ESC 1:50



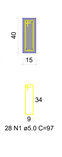
SEÇÃO A-A
ESC 1:25

VB.2

ESC 1:50

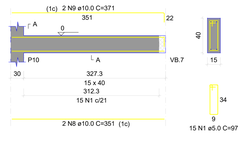


SEÇÃO A-A
ESC 1:25



VB.3

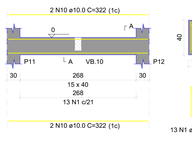
ESC 1:50



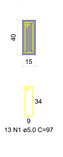
SEÇÃO A-A
ESC 1:25

VB.4

ESC 1:50

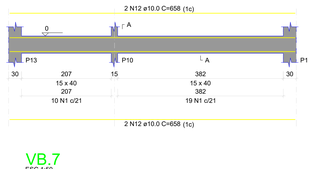


SEÇÃO A-A
ESC 1:25



VB.6

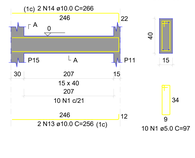
ESC 1:50



SEÇÃO A-A
ESC 1:25

VB.8

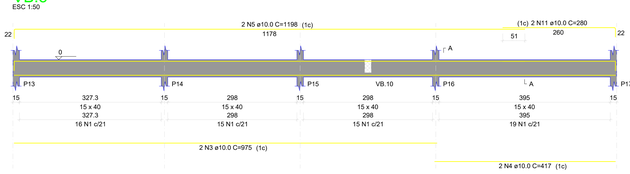
ESC 1:50



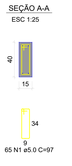
SEÇÃO A-A
ESC 1:25

VB.5

ESC 1:50



SEÇÃO A-A
ESC 1:25



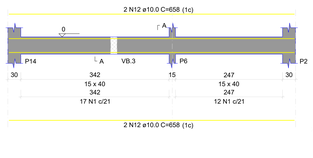
RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 5% (Barras)	UNIT	PESO + 5% (kg)
CA50	10.0	324.6	27	12 m	197.2
CA60	5.0	324.6		rolo (170 kg)	82.5
PESO TOTAL (kg)					
CA50	197.2				
CA60	82.5				

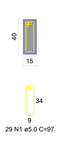
Volume de concreto (C-25) = 4.00 m³
Área de forma = 63.45 m²

VB.7

ESC 1:50

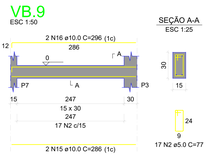


SEÇÃO A-A
ESC 1:25



VB.9

ESC 1:50

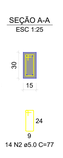


SEÇÃO A-A
ESC 1:25

VB.10

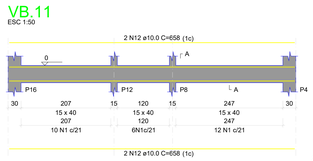
ESC 1:50

SEÇÃO A-A
ESC 1:25

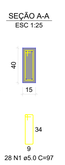


VB.11

ESC 1:50

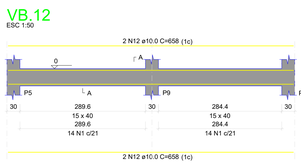


SEÇÃO A-A
ESC 1:25



VB.12

ESC 1:50



SEÇÃO A-A
ESC 1:25

PREFEITURA MUNICIPAL DE JACAREACANGA
SECRETARIA MUNICIPAL DE EDUCAÇÃO,CULTURA E DESPORTO

End.: Av. Eng. Horacio Coimbra Veloso, 34 – Centro
CEP.: 68190-000
Fone: (093) 5543-1286

PROJETO ESTRUTURAL

REFORMA E AMPLIAÇÃO DA ESCOLA ESTADUAL DE ENSINO MÉDIO BRIGADEIRO HAROLDO COIMBRA VELOSO

Proprietário: PREFEITURA DE JACAREACANGA

Local: AVENIDA RAIMUNDO J. SANTOS, S/N°, BAIRRO BELA VISTA - JACAREACANGA - PA

Autor do Projeto:

MARILENE DE SOUZA RODRIGUES
ENGENHEIRO CIVIL – CREA nº 181970061-7

Responsável Técnico:

Assunto:	Escala:	Data:	Folha:
ESTRUTURAL BLOCO A – ADMINISTRATIVO (AMPLIAÇÃO)	INDICADA	JUL/22	EST-04

1 / EST	ESC	ESTRUTURAL
	1:50	FORMA DO PAVIMENTO FUNDAÇÃO (NIVEL 0)

2 / EST	ESC	ESTRUTURAL
	VAR	DETALHAMENTO DAS VIGAS BALDRAME