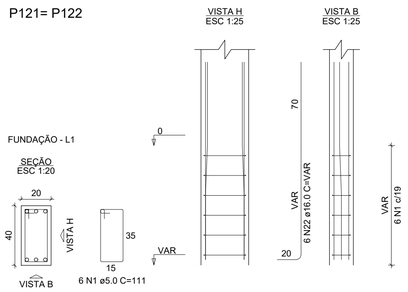
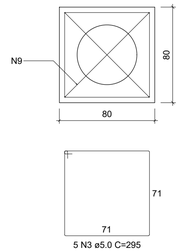
TRECHO 14
PILARES 122 A 129

P121= P122

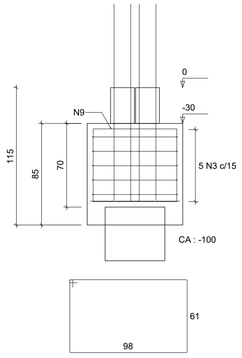


B P121- P122
1xR50

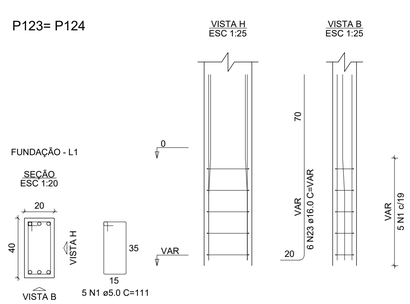
PLANTA
ESC 1:25



CORTE
ESC 1:25

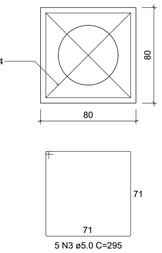


P123= P124

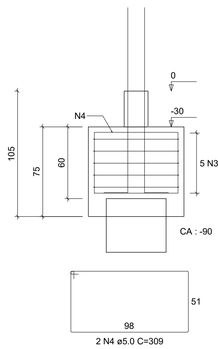


B P123=B P124
1xR50

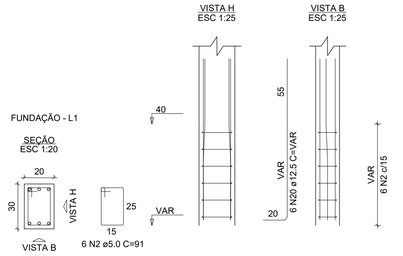
PLANTA
ESC 1:25



CORTE
ESC 1:25

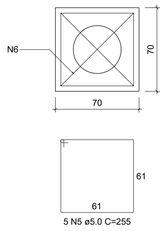


P125= P126= P127

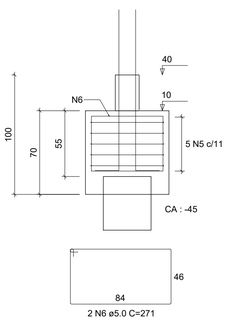


B P125=B P126=B P127
1xR40

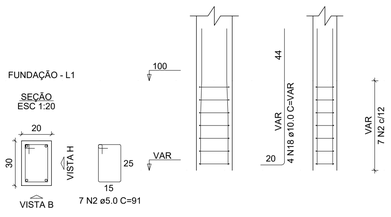
PLANTA
ESC 1:25



CORTE
ESC 1:25

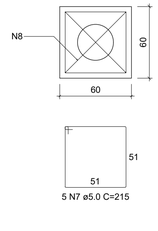


P128

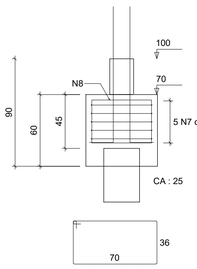


B P128
1xR30

PLANTA
ESC 1:25



CORTE
ESC 1:25



RELAÇÃO DO AÇO

3x P128 TRECHO 14 - V3

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	30	91	2730
	2	5.0	99	87	8613
CA50	3	8.0	2	1107	2214
	4	8.0	2	475	950
	5	8.0	2	1198	2396
	6	8.0	2	479	958
	7	10.0	12	117	1404

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	65.2	28.3
	10.0	14	9.5
CA60	5.0	113.4	19.2
PESO TOTAL (kg)			
CA50	37.8		
CA60	19.2		

Volume de concreto (C-20) = 0.22 m³
Volume de concreto (C-25) = 0.85 m³
Área de forma = 14.96 m²

RELAÇÃO DO AÇO

4x P121-L3 2x P121-L1 2x P123-L1
3x P125-L3 3x P125-L1 P128-L1
2x P129-L1 2xB P124-L1 3xB P127-L1
B P128-L1 B P121- P122-L1 B P129- P130-L1
TRECHO 14 - V1-L2 TRECHO 14 - V2-L2 TRECHO 14 - VB1-L1
TRECHO 14 - VB2-L1 TRECHO 14 - VB3-L1

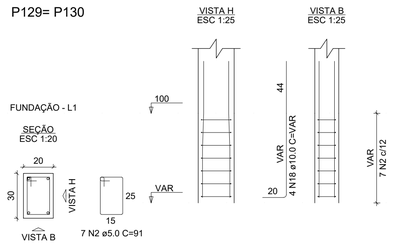
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	70	111	7770
	2	5.0	75	91	6825
	3	5.0	15	295	4425
	4	5.0	4	309	1236
	5	5.0	15	255	3825
	6	5.0	6	271	1626
	7	5.0	10	215	2150
	8	5.0	4	223	892
	9	5.0	2	329	658
	10	5.0	170	87	14790
CA50	11	8.0	4	462	1848
	12	8.0	2	504	1008
	13	8.0	4	682	2728
	14	8.0	4	724	2896
	15	8.0	2	501	1002
	16	8.0	2	474	948
	17	8.0	2	524	1048
	18	10.0	12	VAR	VAR
	19	12.5	18	177	3186
	20	12.5	18	VAR	VAR
	21	16.0	24	217	5208
	22	16.0	12	VAR	VAR
	23	16.0	12	VAR	VAR

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	114.8	49.8
	10.0	16	10.8
	12.5	59.4	62.9
	16.0	94.6	164.2
CA60	5.0	442	74.9
PESO TOTAL (kg)			
CA50	287.8		
CA60	74.9		

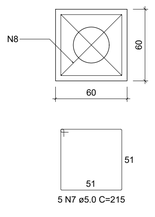
Volume de concreto (C-20) = 1.23 m³
Volume de concreto (C-25) = 4.25 m³
Área de forma = 54.84 m²

P129= P130

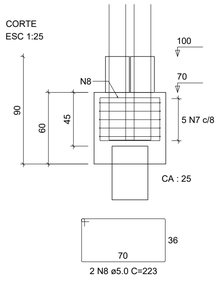


B P129- P130
1xR30

PLANTA
ESC 1:25



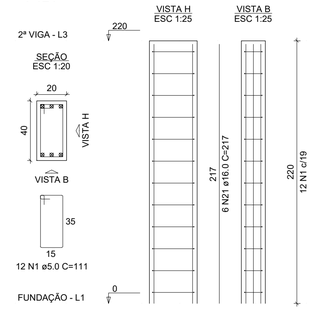
CORTE
ESC 1:25



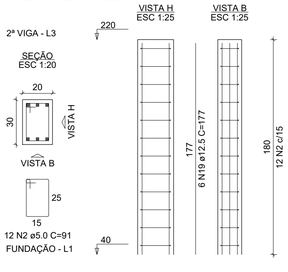
OBSERVAÇÃO

1	O CONCRETO PARA ESTACAS, TUBULÕES, VIGAS E PILARES DEVERÁ SER DE 25MPa.
2	O CONCRETO PARA PREENCHER OS BLOCOS DEVERÁ SER DE 20MPa.

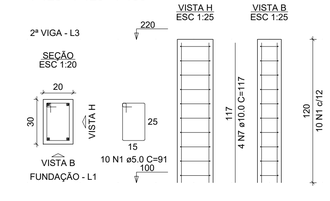
P121= P122= P123= = P124



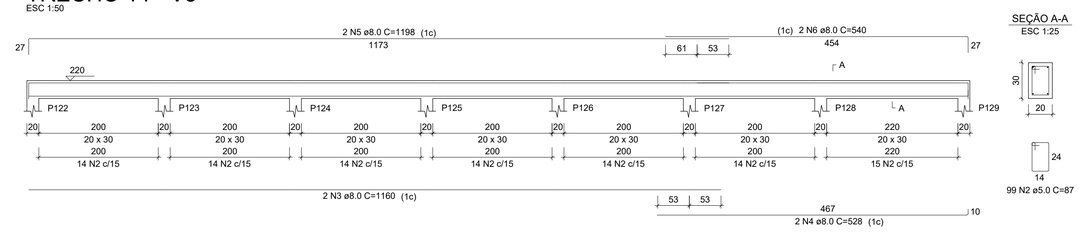
P125= P126= P127



P128= P129= P130

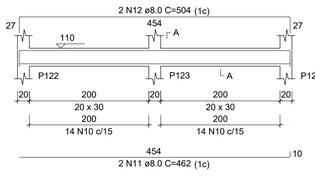


TRECHO 14 - V3
ESC 1:50

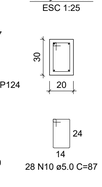


SEÇÃO A-A
ESC 1:25

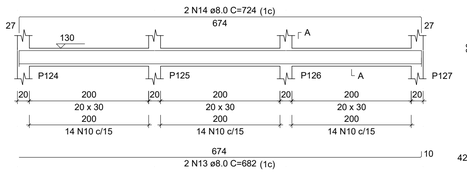
TRECHO 14 - V1
ESC 1:50



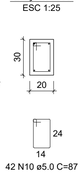
SEÇÃO A-A
ESC 1:25



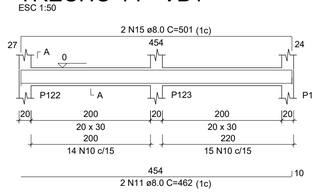
TRECHO 14 - V2
ESC 1:50



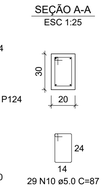
SEÇÃO A-A
ESC 1:25



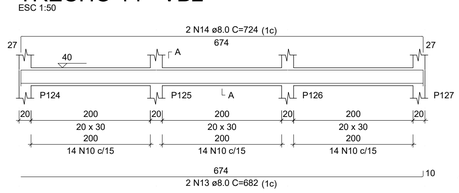
TRECHO 14 - VB1
ESC 1:50



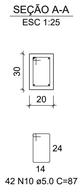
SEÇÃO A-A
ESC 1:25



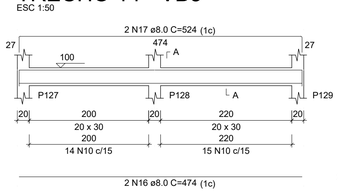
TRECHO 14 - VB2
ESC 1:50



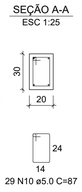
SEÇÃO A-A
ESC 1:25



TRECHO 14 - VB3
ESC 1:50



SEÇÃO A-A
ESC 1:25



PROJETO ESTRUTURAL

MACHADOS DESIGN
ARQUITETURA E ENGENHARIA

OBRA:
PÚBLICA - TRECHO 14
ENDEREÇO:
RUA JOÃO RODRIGUES DOS SANTOS, VILA NOVA - CEDRO DO ABAETÉ-MG

RESPONSÁVEL TÉCNICO:
GUILHERME VINICIUS MACHADO CREA: 250613

PRANCHA:
Pilares, Blocos e Vigas

PAVIMENTO: Fundação
UNIDADE: 01
FOLHA
46/49

PROPRIETÁRIO: PREFEITURA DO CEDRO DO ABAETÉ
ESCALA: -
DATA: 07/11/2022