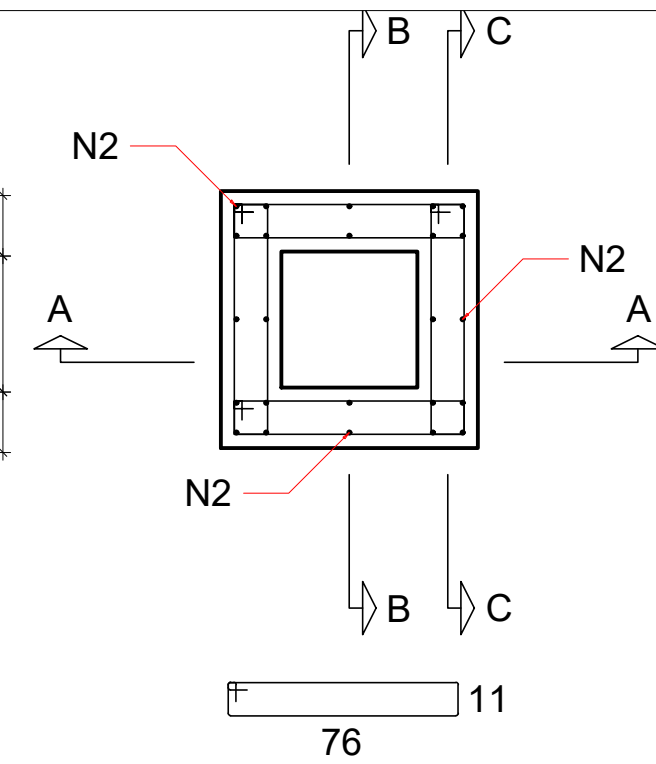
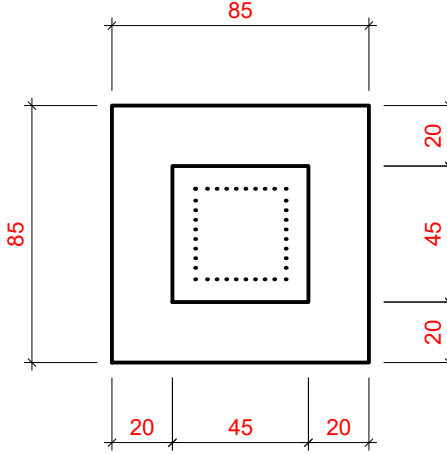
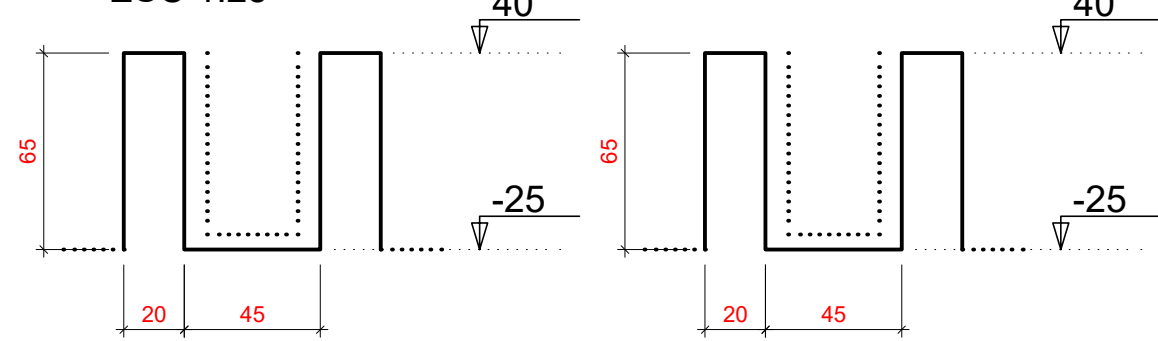


Cálce P_PM32

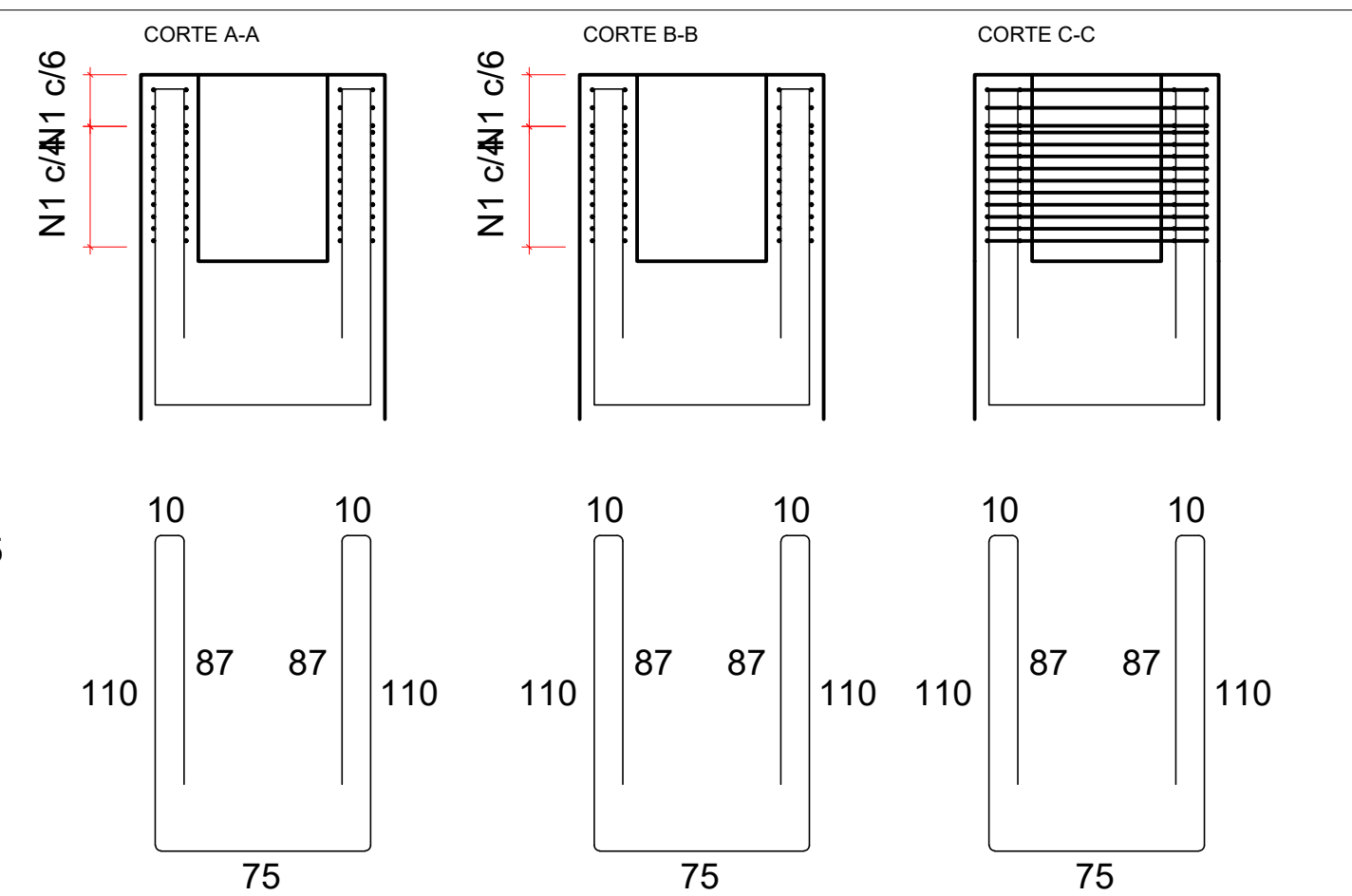
ESC 1:25



2x3 N1 ø5.0 c/6 C=185
2x10 N1 ø5.0 c/4 C=185



2x3 N1 ø5.0 c/6 C=185
2x10 N1 ø5.0 c/4 C=185



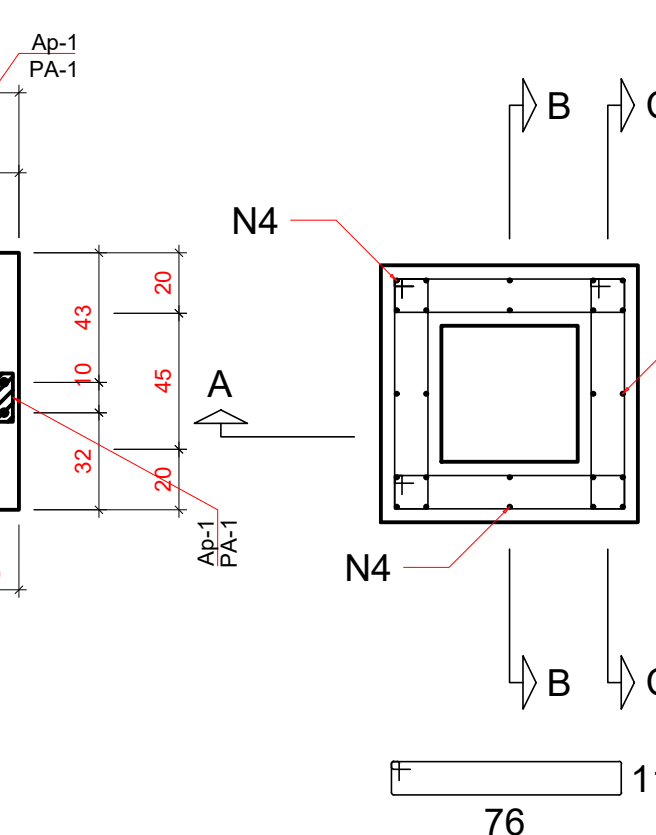
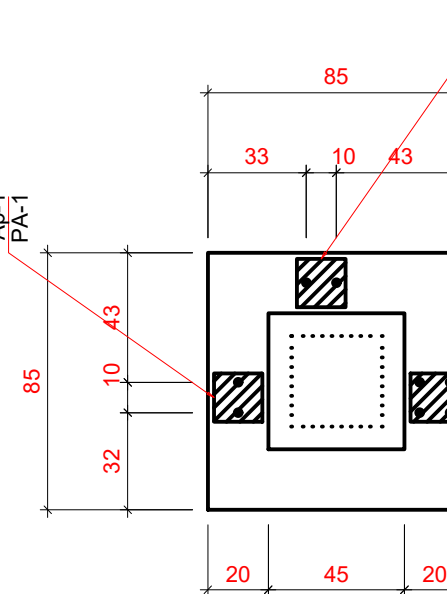
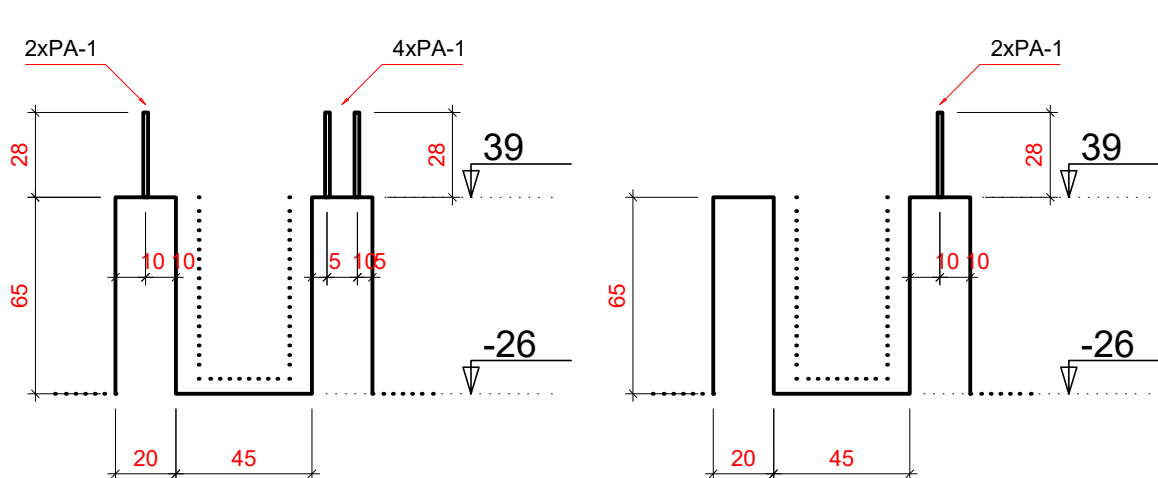
1 N2 ø8.0 c/22 C=478

1 N2 ø8.0 c/22 C=478

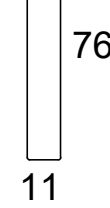
2x2 N2 ø8.0 C=478

Cálce P_PM33

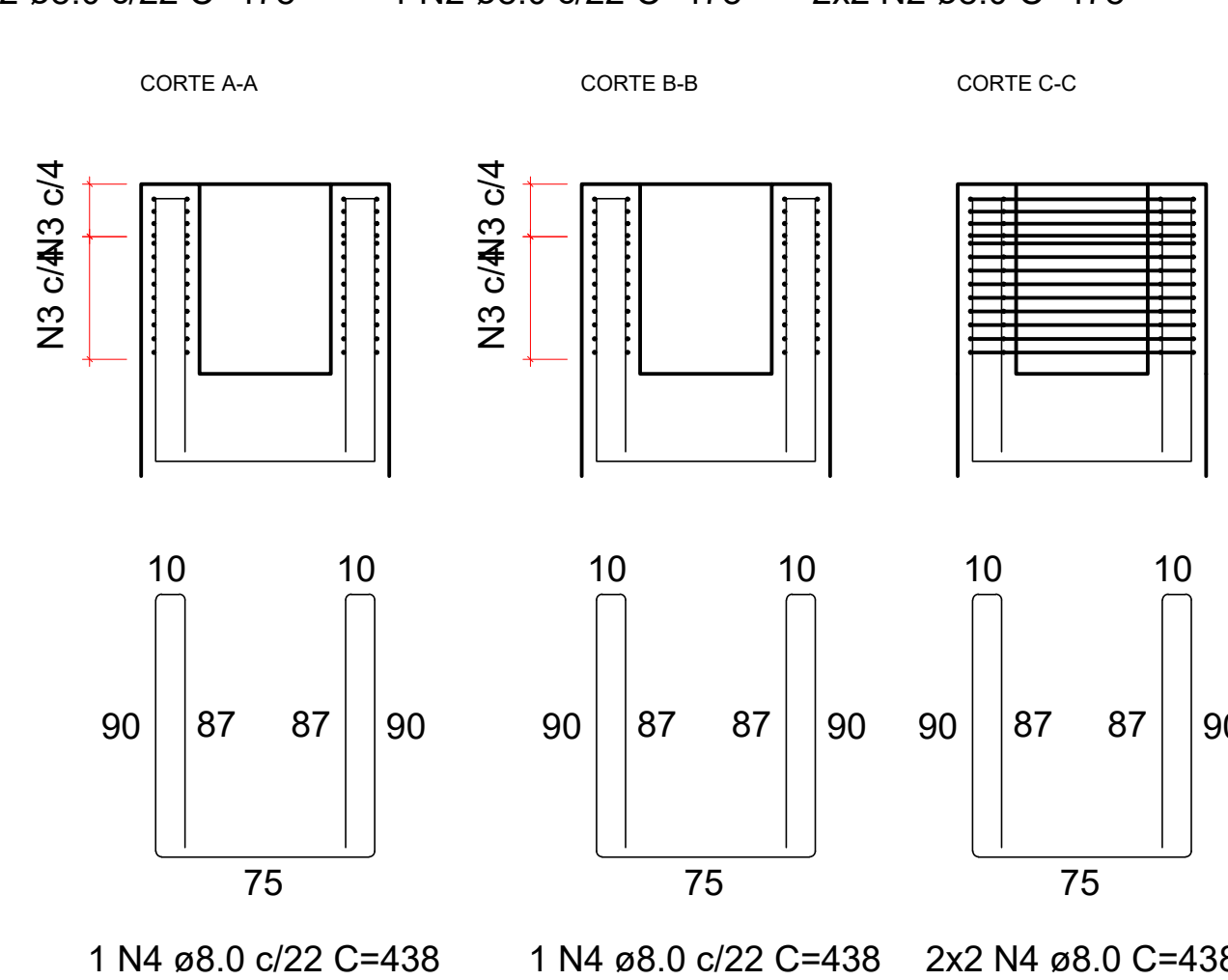
ESC 1:25



2x4 N3 ø5.0 c/4 C=185
2x9 N3 ø5.0 c/4 C=185



2x4 N3 ø5.0 c/4 C=185
2x9 N3 ø5.0 c/4 C=185



1 N4 ø8.0 c/22 C=438

1 N4 ø8.0 c/22 C=438

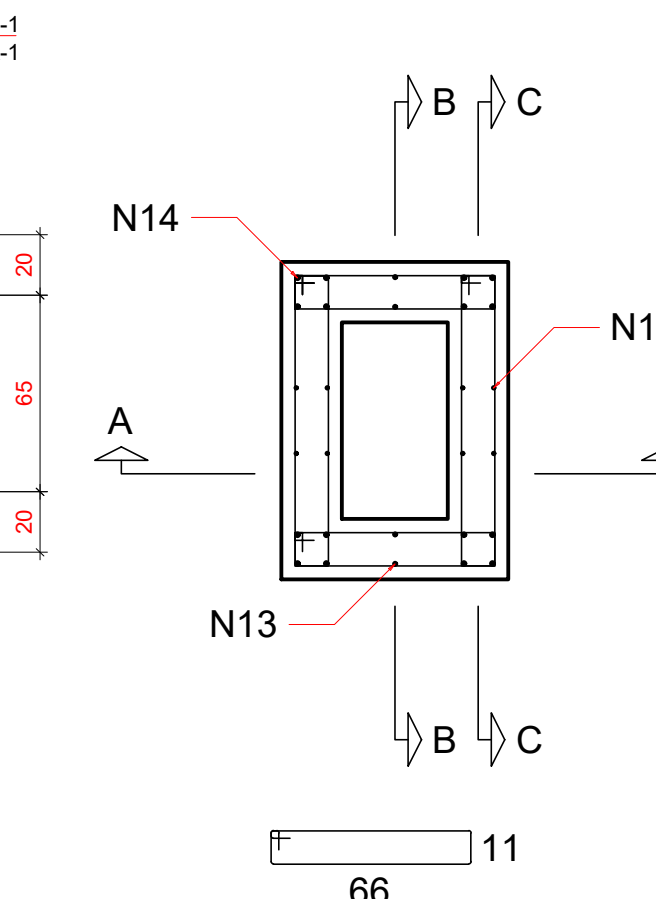
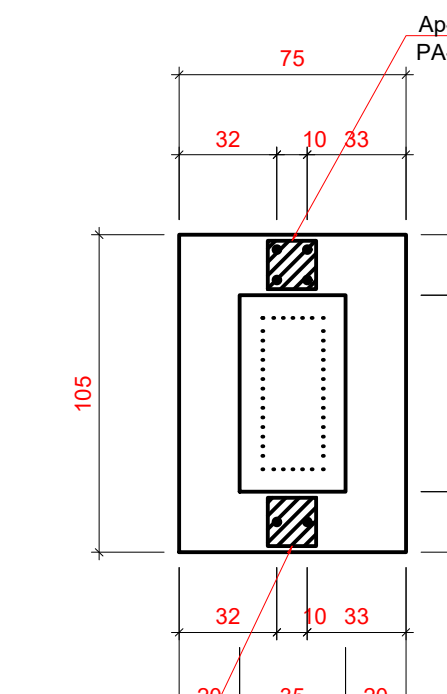
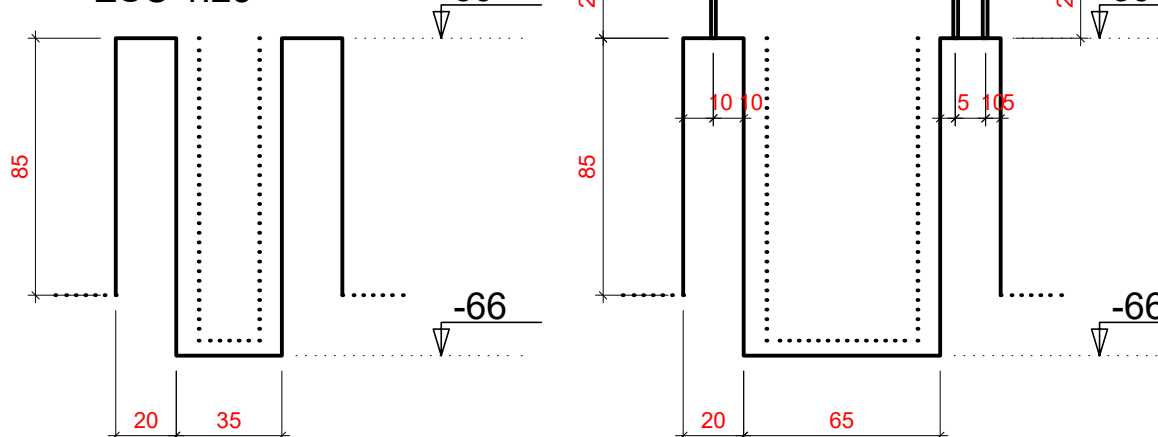
2x2 N4 ø8.0 C=438

Relação dos aparelhos de apoio					
Nome	Quantidade	Dimensões			Dureza
		B (cm)	H (cm)	E (cm)	
Ap-1*	3	16	16	1	60 Shore A

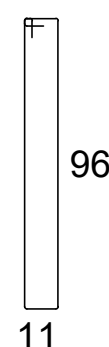
Relação dos pinos de ancoragem				
Nome	Quantidade	Aço	ø (mm)	Comp. (cm)
PA-1	8	CA25	16	93

Cálce P_PM35

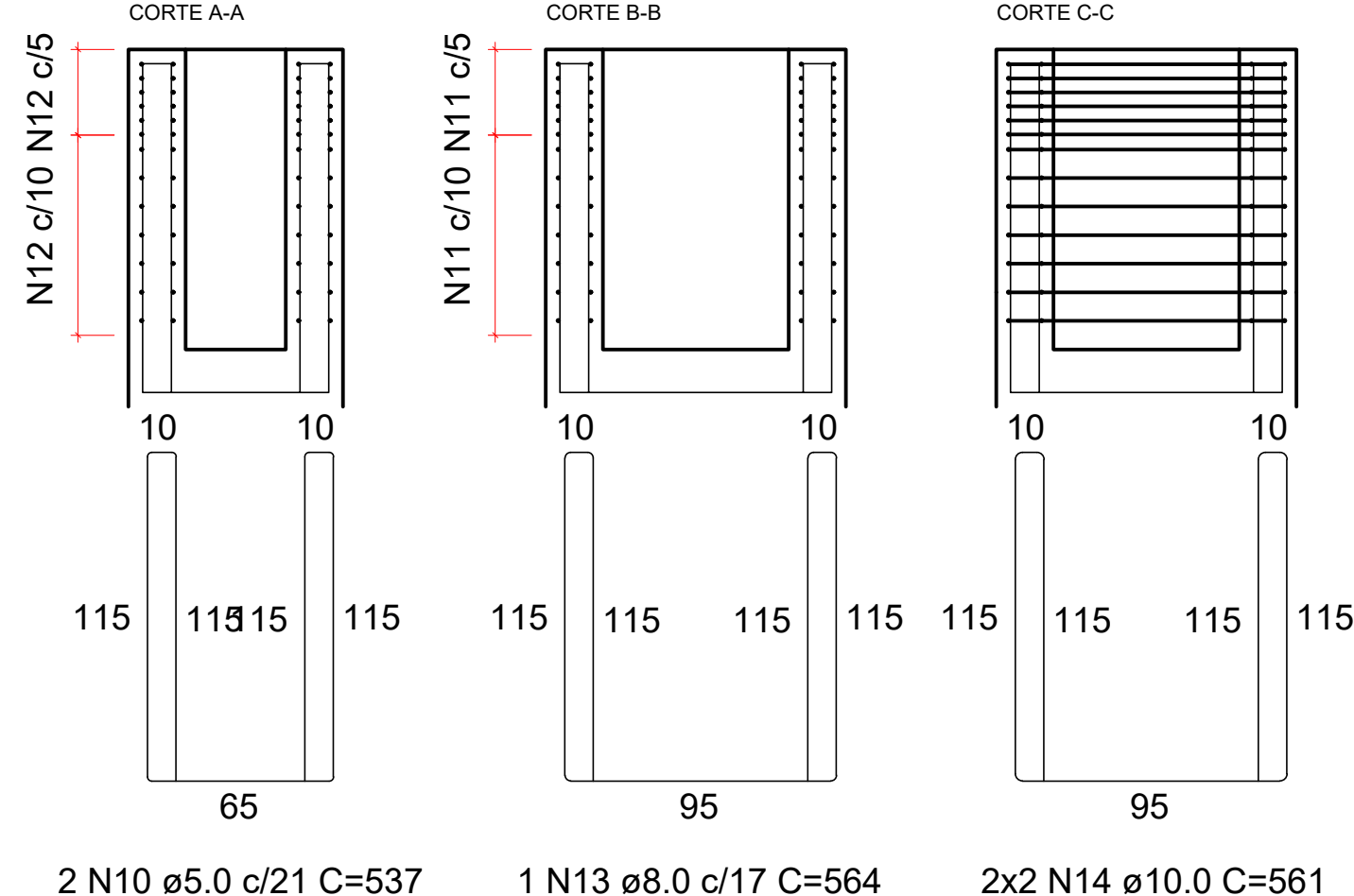
ESC 1:25



2x6 N12 ø5.0 c/5 C=225
2x7 N12 ø5.0 c/10 C=225



2x6 N11 ø5.0 c/5 C=165
2x7 N11 ø5.0 c/10 C=165



2 N10 ø5.0 c/21 C=537

1 N13 ø8.0 c/17 C=564

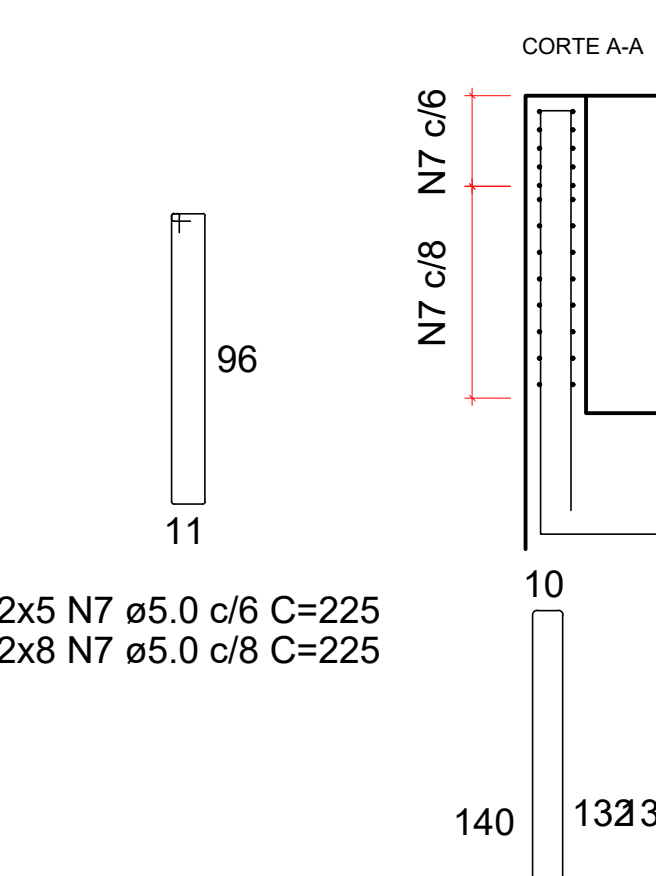
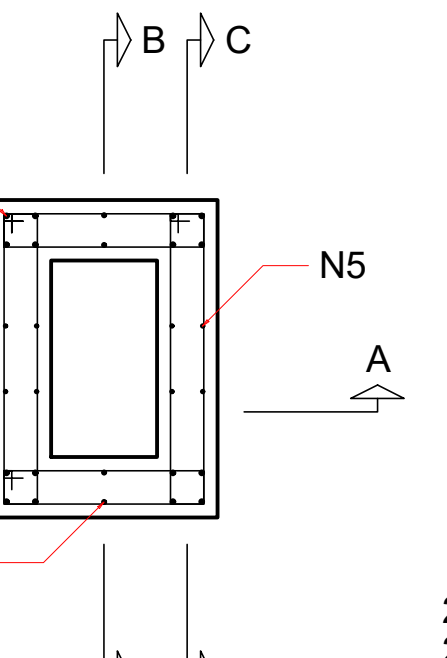
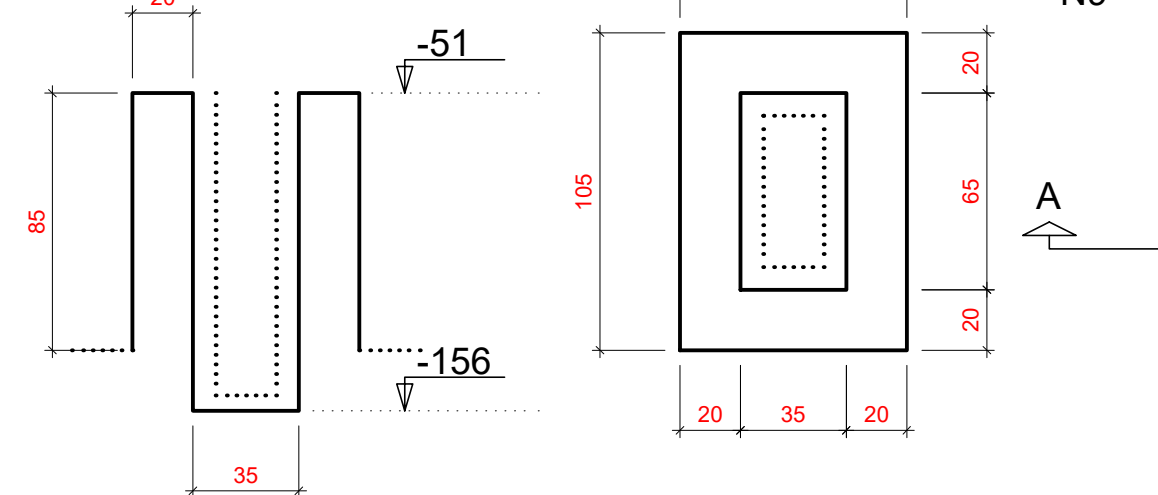
2x2 N14 ø10.0 C=561

Relação dos aparelhos de apoio					
Nome	Quantidade	Dimensões			Dureza
		B (cm)	H (cm)	E (cm)	
Ap-1*	2	16	16	1	60 Shore A

Relação dos pinos de ancoragem				
Nome	Quantidade	Aço	ø (mm)	Comp. (cm)
PA-1	6	CA25	16	113

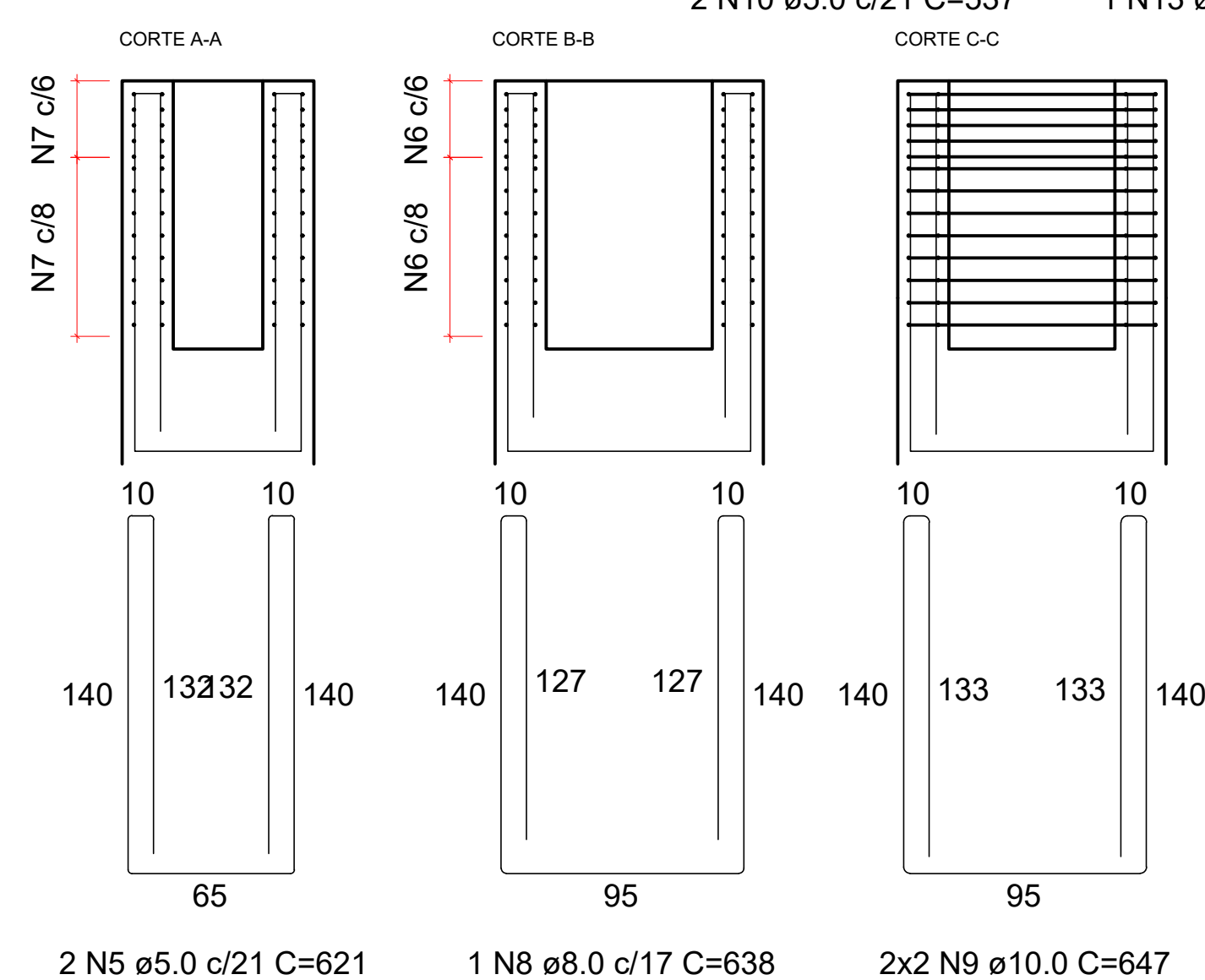
Cálce P_PM34

ESC 1:25



2x5 N7 ø5.0 c/6 C=225
2x8 N7 ø5.0 c/8 C=225

2x5 N6 ø5.0 c/6 C=165
2x8 N6 ø5.0 c/8 C=165



2 N5 ø5.0 c/21 C=621

1 N8 ø8.0 c/17 C=638

2x2 N9 ø10.0 C=647

RELAÇÃO DO AÇO

ELEMENTO	AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
Cálce P_PM32	CA60	1	5.0	52	185	9620
	CA50	2	8.0	6	478	2868
Cálce P_PM33	CA60	3	5.0	52	185	9620
	CA50	4	8.0	6	438	2628
Cálce P_PM34	CA60	5	5.0	2	621	1242
	CA60	6	5.0	26	165	4290
Cálce P_PM35	CA60	7	5.0	26	225	5850
	CA50	8	8.0	1	638	638
Cálce P_PM35	CA50	9	10.0	4	647	2588
	CA60	10	5.0	2	537	1074
Cálce P_PM35	CA60	11	5.0	26	165	4290
	CA60	12	5.0	26	225	5850
Cálce P_PM35	CA50	13	8.0	1	564	564
	CA50	14	10.0	4	561	2244

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 10% (Barras)	UNIT	PESO + 10% (kg)
CA50	8.0	67	7	12 m	29.1
CA60	10.0	48.3	5	12 m	32.8
CA60	5.0	418.4	39	12 m	70.9
PESO TOTAL (kg)					
CA50	61.8				
CA60	70.9				

Volume de concreto (C-30) = 0.00 m³

Área de forma = 0.00 m²



Prefeitura Municipal de Sorriso

ESTADO DE MATO GROSSO
Gestão 2021/2024

OBRA:

COMPLEXO DA CIDADANIA

PROJETO:

ESRUTURAL

DETALHES:

DETALHAMENTO CÁLCES

ENDEREÇO:

Avenida: Perimetral Sudoeste Esquina c/ La Paz
Zona de interesse Institucional (ZII) + (ZCT3)
Equipamento Comunitário A2
Área 03

SORRISO-MT

FOLHA:

08/19

RESPONSÁVEL TÉCNICO:

VISTO:

Silvia Romfim
Engenheira Civil CREA - MT 026160

Ednilson de Lima Oliveira
Secretário da cidade

ÁREAS:

PROPRIETÁRIO:

Prefeitura Municipal de Sorriso
CNPJ: 03.239.076/0001-62

DATA:

ESCALA:

DESENHO:

ARQUIVO:

Novembro / 2021

INDICADAS

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