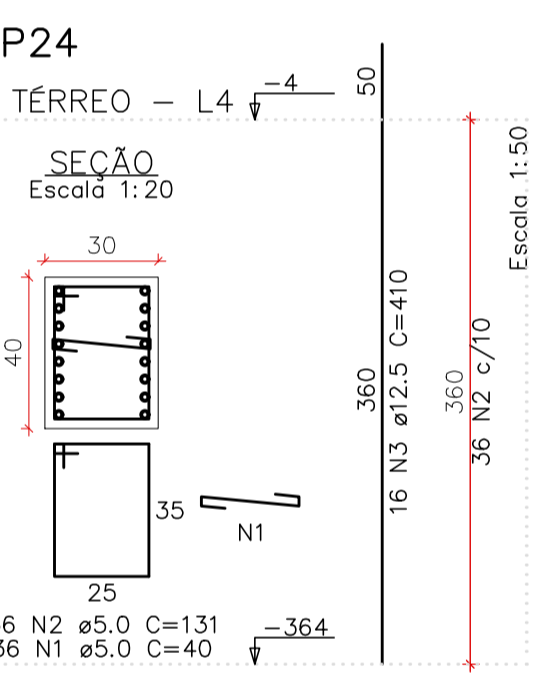
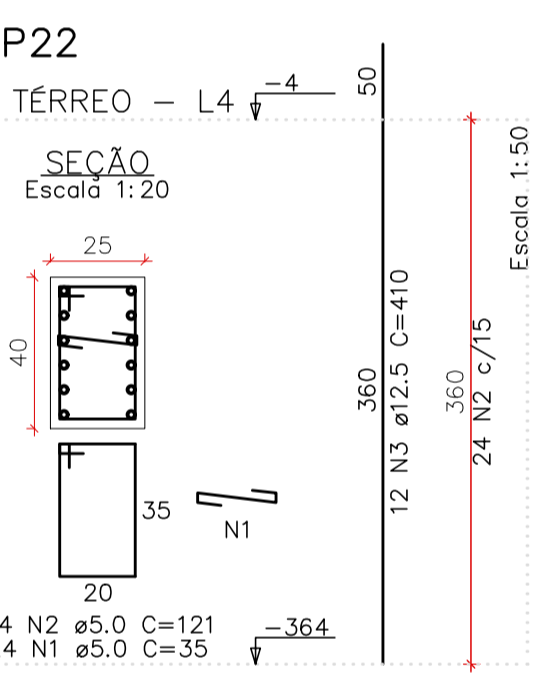
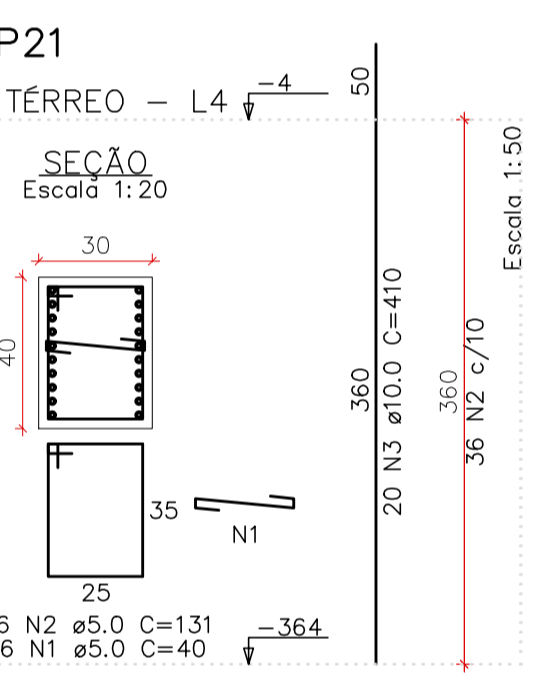
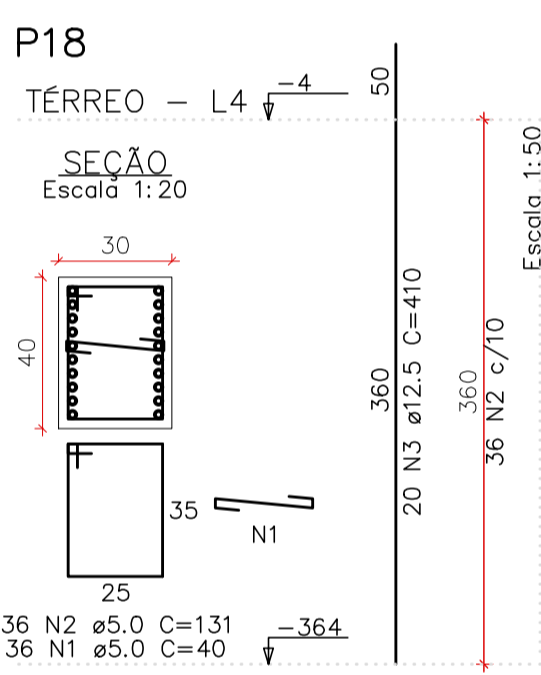
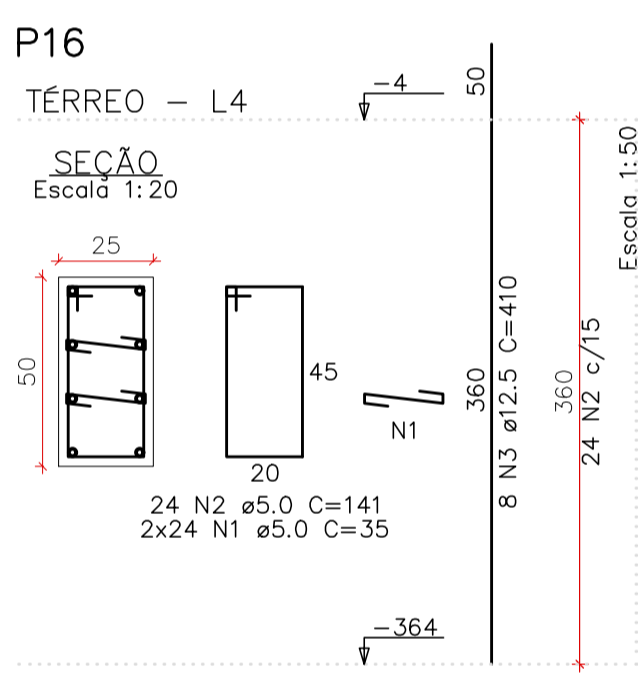
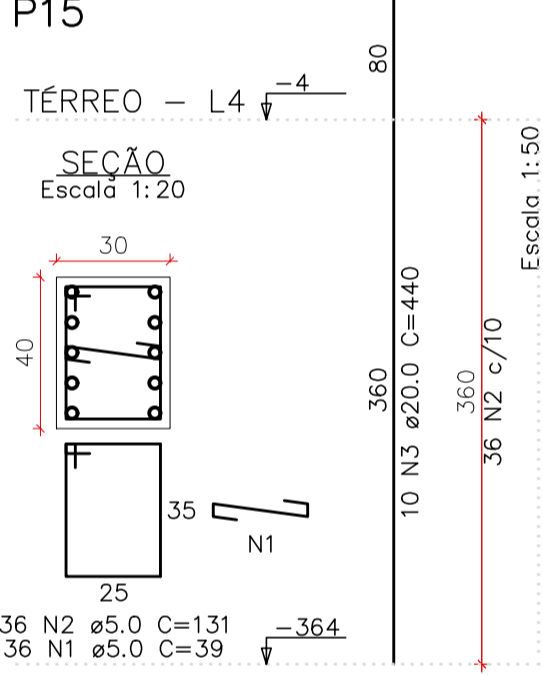
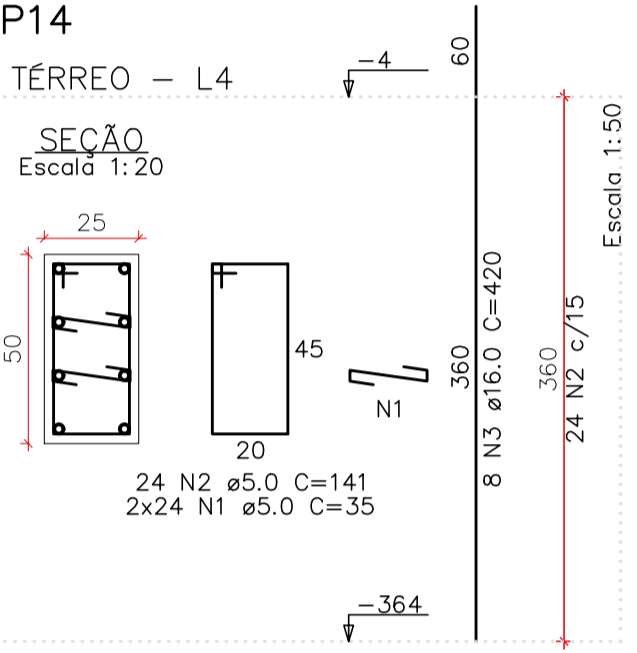
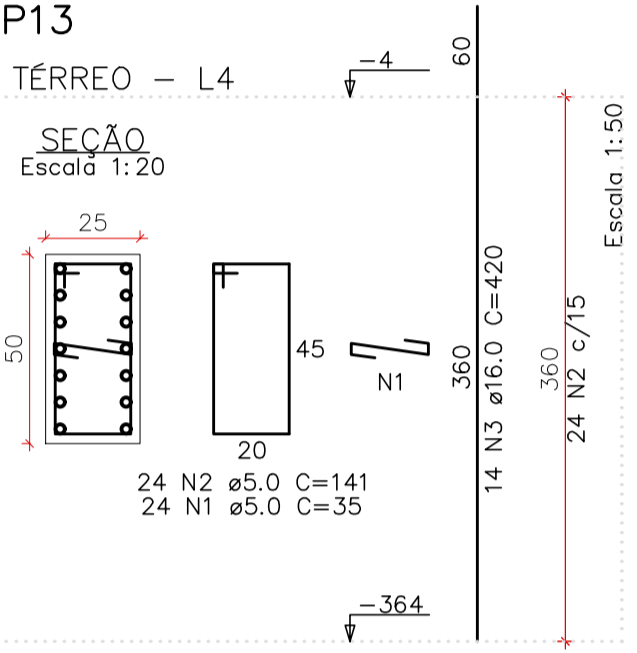
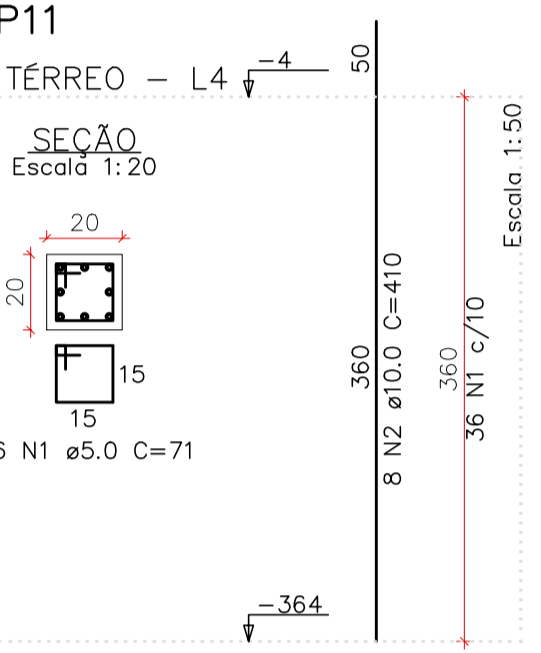
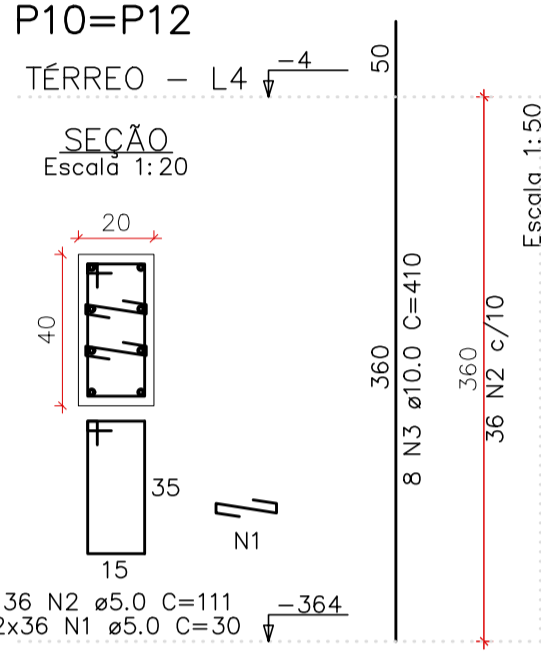
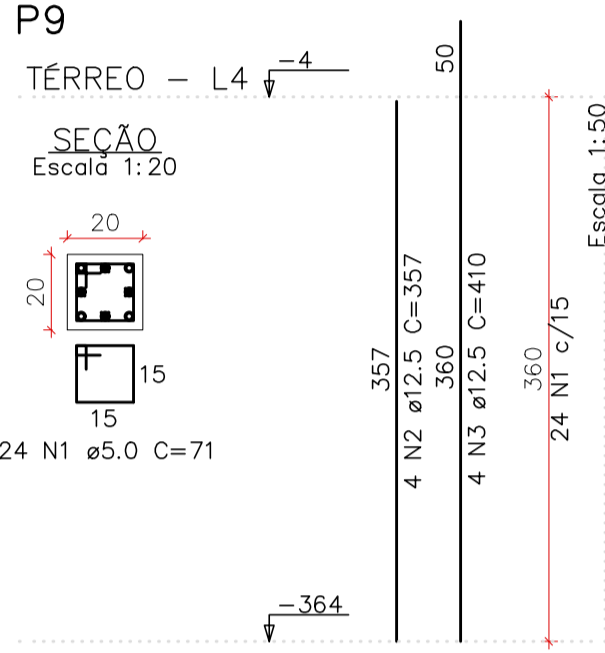
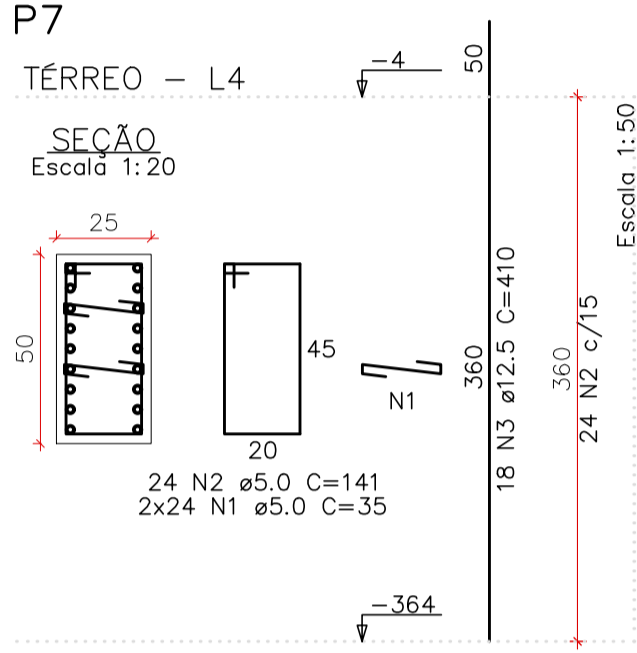
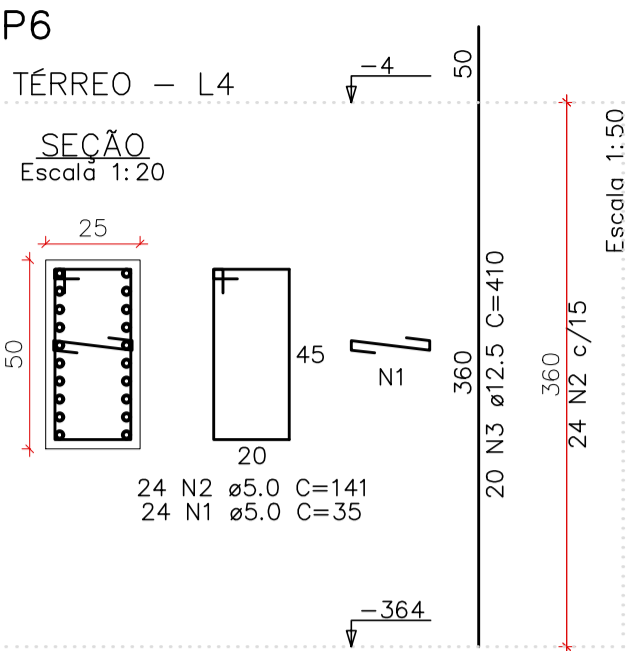
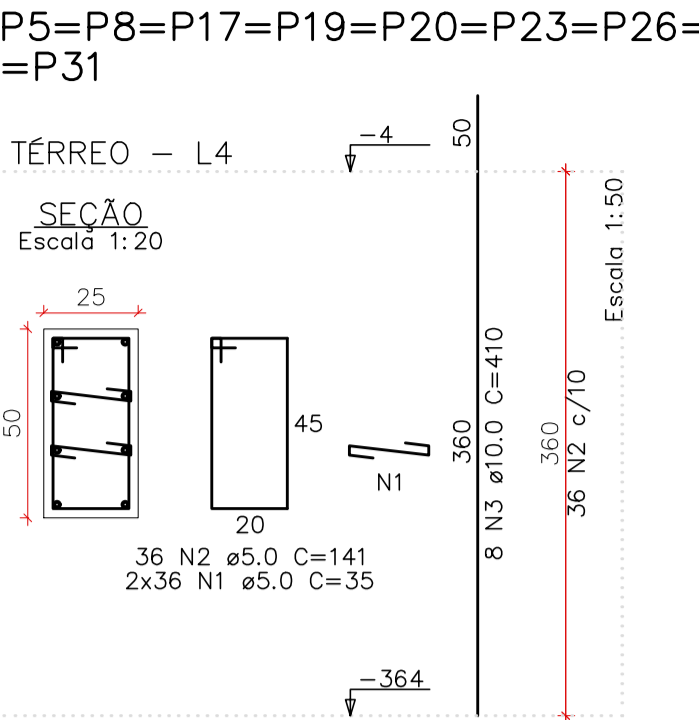
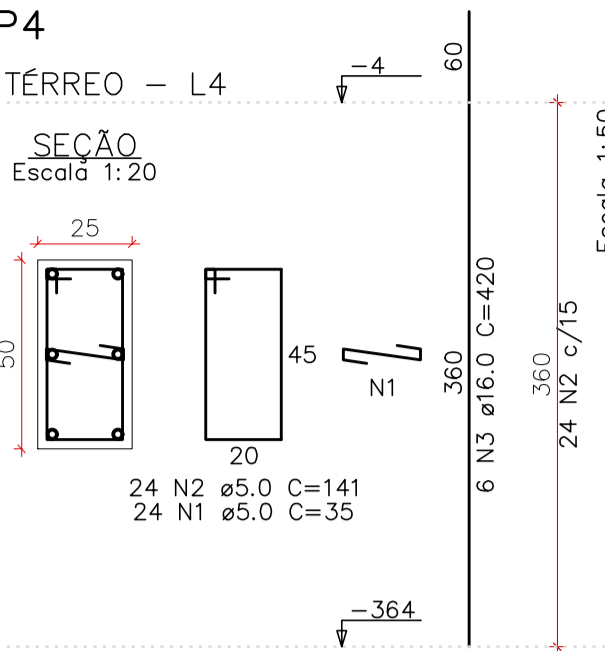
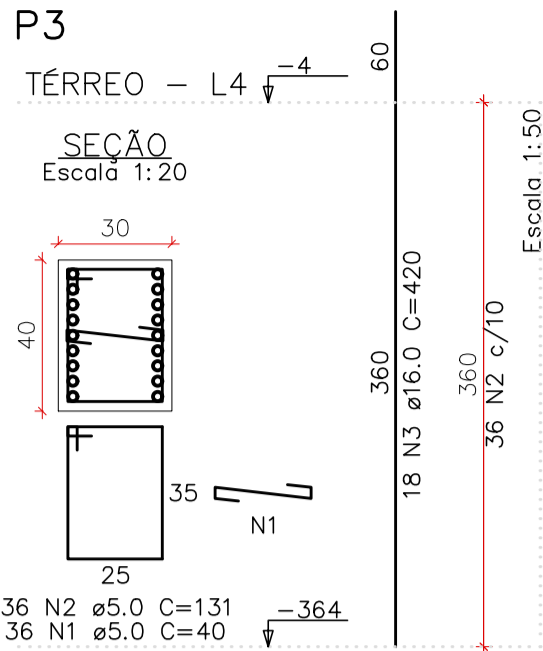
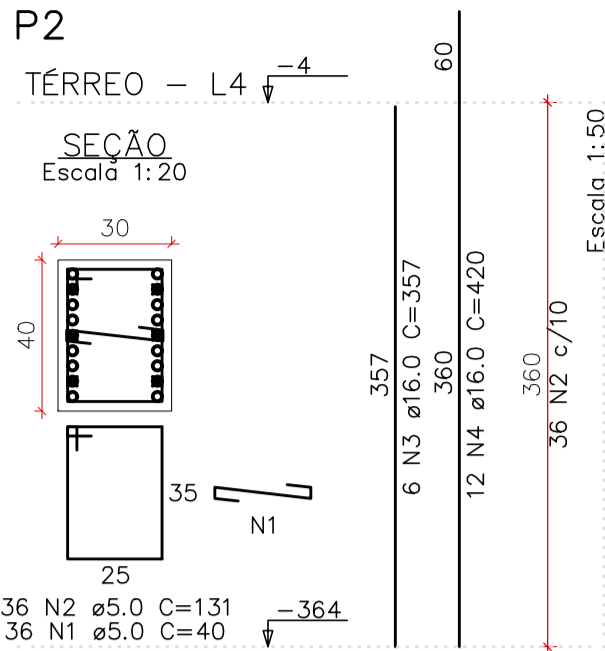
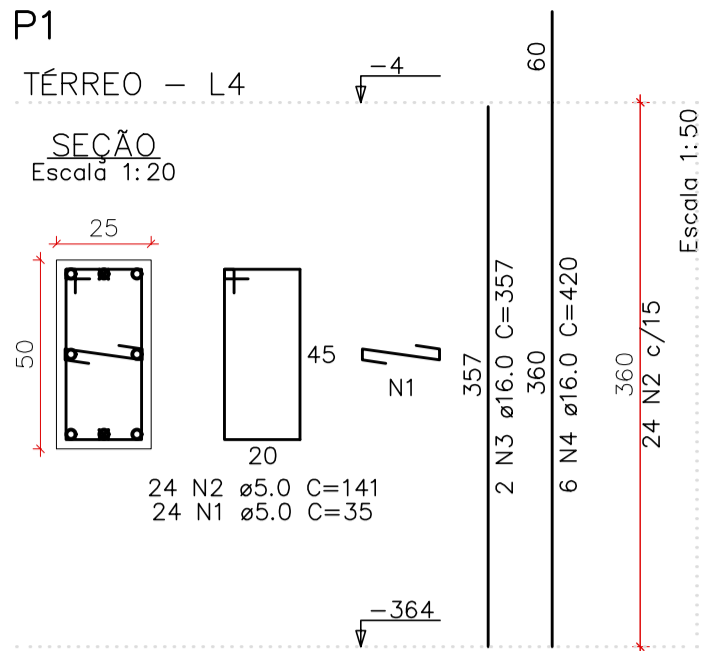


CONSTRUÇÃO DO HUB DE EMPREENDEDORISMO DE POUSO ALEGRE
ESCALA INDICADA

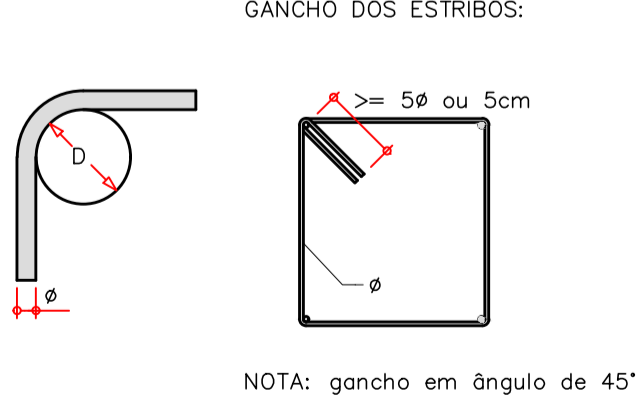


RELAÇÃO DO AÇO						
ELEMENTO	AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
P1	CA60	2	5.0	24	35	840
	CA60	1	5.0	24	141	3384
	CA50	3	16.0	2	357	714
	CA50	4	16.0	6	420	2520
P2	CA60	1	5.0	36	40	1440
	CA60	2	5.0	36	131	4716
	CA50	3	16.0	6	357	2142
	CA50	4	16.0	12	420	5040
P3	CA60	1	5.0	36	40	1440
	CA60	2	5.0	36	131	4716
	CA50	3	16.0	18	420	7560
	CA60	4	5.0	36	40	1440
P4	CA50	3	16.0	6	357	2142
	CA60	1	5.0	36	40	1440
	CA60	2	5.0	36	131	4716
	CA50	3	16.0	18	420	7560
8xP5	CA60	1	5.0	36	40	1440
	CA60	2	5.0	36	131	4716
	CA50	3	16.0	6	357	2142
	CA60	4	5.0	36	40	1440
P6	CA60	1	5.0	36	40	1440
	CA60	2	5.0	36	131	4716
	CA50	3	12.5	20	410	8200
	CA60	4	5.0	48	35	1680
P7	CA60	1	5.0	36	40	1440
	CA60	2	5.0	36	131	4716
	CA50	3	12.5	18	410	7380
	CA60	4	5.0	24	71	1704
P9	CA60	1	5.0	24	71	1704
	CA50	2	12.5	4	357	1428
	CA50	3	12.5	4	410	1640
	CA60	1	5.0	144	30	4320
2xP10	CA60	2	5.0	72	111	7992
	CA50	3	10.0	16	410	6560
	CA60	1	5.0	36	71	2556
	CA50	2	10.0	8	410	3280
P11	CA60	1	5.0	24	35	840
	CA60	2	5.0	24	141	3384
	CA50	3	16.0	14	420	5880
	CA60	1	5.0	48	35	1680
P13	CA60	1	5.0	24	141	3384
	CA50	2	5.0	24	141	3384
	CA50	3	16.0	8	420	3360
	CA60	1	5.0	36	39	1404
P14	CA60	1	5.0	36	39	1404
	CA60	2	5.0	36	131	4716
	CA50	3	12.5	20	410	8200
	CA60	2	5.0	24	141	3384
P15	CA60	1	5.0	48	35	1680
	CA60	2	5.0	36	131	4716
	CA50	3	10.0	20	410	8200
	CA60	2	5.0	24	141	3384
P16	CA60	1	5.0	36	39	1404
	CA60	2	5.0	36	131	4716
	CA50	3	12.5	10	440	4400
	CA60	1	5.0	48	35	1680
P18	CA60	1	5.0	36	40	1440
	CA60	2	5.0	36	131	4716
	CA50	3	12.5	20	410	8200
	CA60	2	5.0	24	141	3384
P21	CA60	1	5.0	36	40	1440
	CA60	2	5.0	36	131	4716
	CA50	3	12.5	12	410	4920
	CA60	2	5.0	36	40	1440
P22	CA60	1	5.0	36	40	1440
	CA60	2	5.0	36	131	4716
	CA50	3	12.5	12	410	4920
	CA60	2	5.0	36	40	1440
P24	CA60	1	5.0	36	40	1440
	CA60	2	5.0	36	131	4716
	CA50	3	12.5	16	410	6560
	CA60	2	5.0	36	40	1440

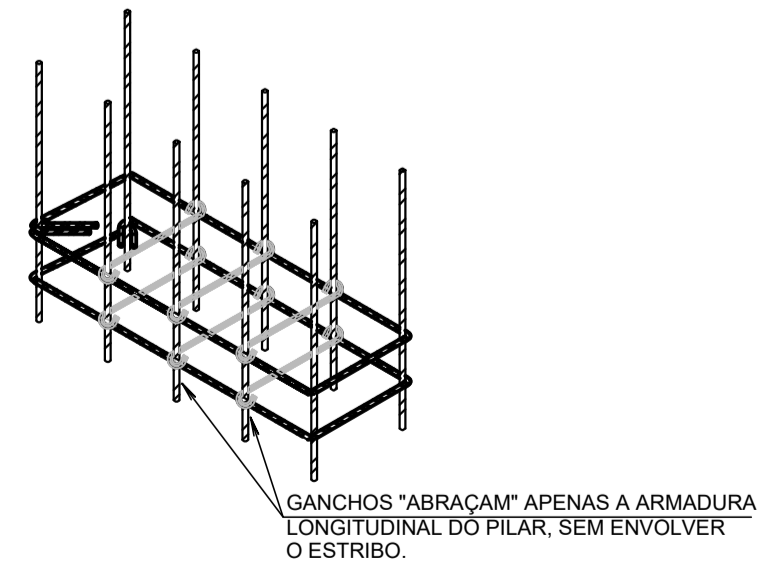
RESUMO DO AÇO				
AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 10% (Barras)	PESO + 10% (kg)
CA50	10.0	442.8	41	300.3
	12.5	416.1	39	440.9
	16.0	297.4	28	516.3
	20.0	44	5	119.4
CA60	5.0	1500.7	138	254.4
	5.0			
PESO TOTAL (kg)				
CA50	1376.8			
CA60	254.4			
Volume de concreto (C=30) = 10.57 m³				
Área de forma = 130.32 m²				

DETALHE DE DOBRAS
SEM ESCALA

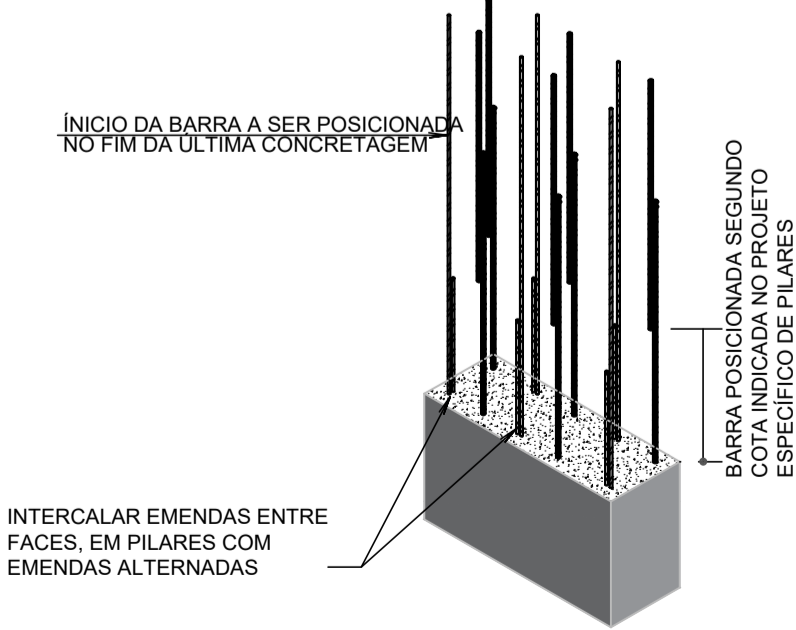
ESTRIBOS		BARRAS DE TRAÇÃO	
ø (mm)	D (mm)	ø (mm)	D (mm)
5,0	15,0	5,0	30,0
6,3	18,9	6,3	31,5
8,0	24,0	8,0	40,0
10,0	30,0	10,0	50,0
12,5	62,5	12,5	62,5
16,0	80,0	16,0	80,0
>= 20,0	8xø	>= 20,0	8xø



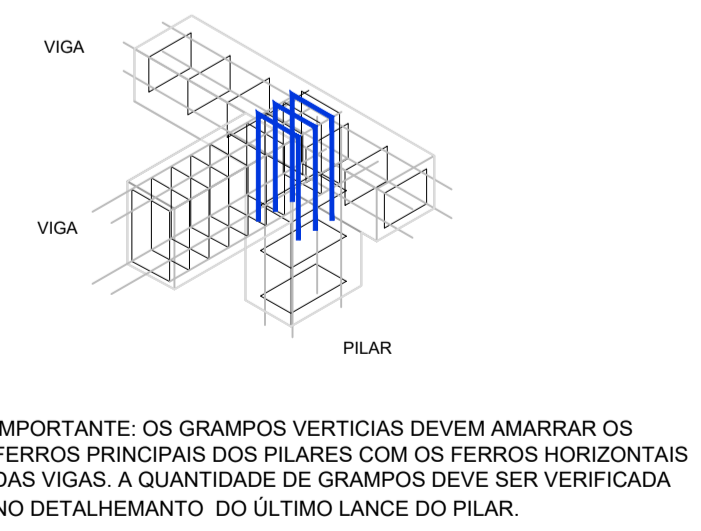
POSICIONAMENTO DOS
GANCHOS
SEM ESCALA



MONTAGEM DE
ARMADURAS ALTERNADAS
NOS PILARES
SEM ESCALA



GRAMPOS DE ANCORAGEM
SEM ESCALA



LEGENDA DAS BARRAS DOS PILARES

- BARRA QUE NASCE
- BARRA QUE MORRE
- BARRA QUE PASSA

REV. 01

04/08/23

ALTERAÇÃO DE LOCAÇÃO DA EDIFICAÇÃO

DAC

REV. 00

30/05/23

EMIÇÃO INICIAL

DAC

REVISÃO

DATA :

DESCRIÇÃO:

RESP.:

Prefeitura Municipal

de Pouso Alegre

Rua Miguel Vianna, nº 81, 2º Andar

Bairro Morro Chic

CEP: 37500-080 - Itajubá / MG

Tel: (35) 3623-8846

www.dacengenharia.com.br

COORDENAÇÃO

ALOISIO CAETANO FERREIRA

RESPONSÁVEL TÉCNICO E AUTOR

ENG. CIVIL FLÁVIA BARBOSA

CREA: MG-187.842/D

HUB DE EMPREENDEDORISMO DE POUSO ALEGRE

ENDEREÇO

RUA GERALDO COUTINHO DE SOUZA, JARDIM VERGANI

POUSO ALEGRE - MINAS GERAIS

ASSUNTO

PROJETO ESTRUTURAL EM CONCRETO ARMADO

DETALHAMENTO DOS PILARES DO PAV. TÉRREO

LISTA DE MATERIAIS

DISCIPLINA

ESTRUTURAL

FASE DO PROJETO

EXECUTIVO

FOLHA Nº.

15/49

DATA INICIAL

30/05/2023

ESCALA

INDICADA

REVISÃO

R01

ARQUIVO

DAC-PMPA-HUB-PE-EST-R01.dwg