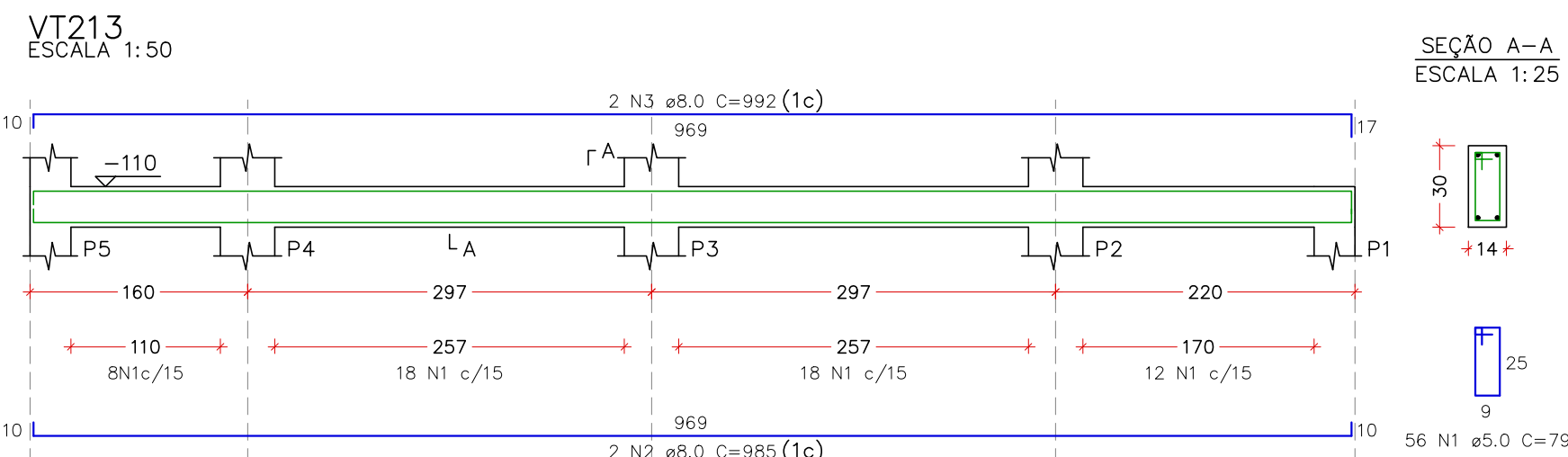
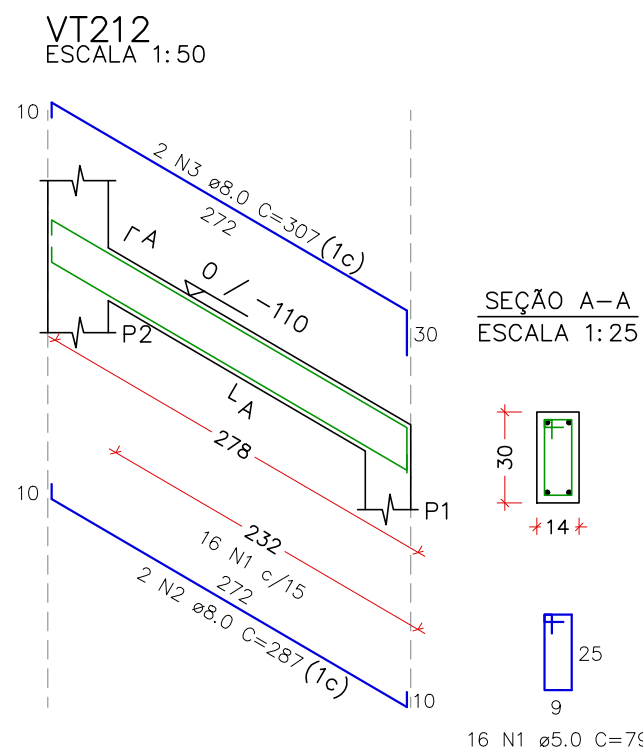
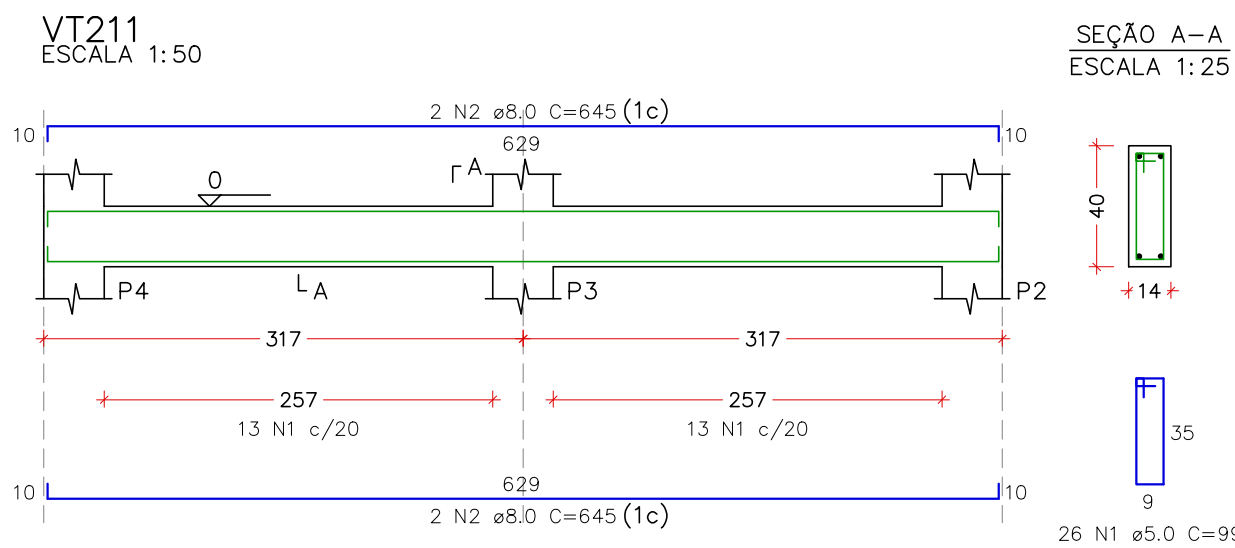
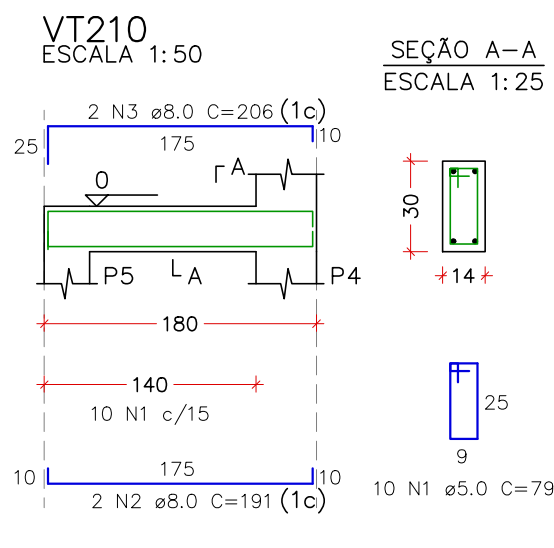
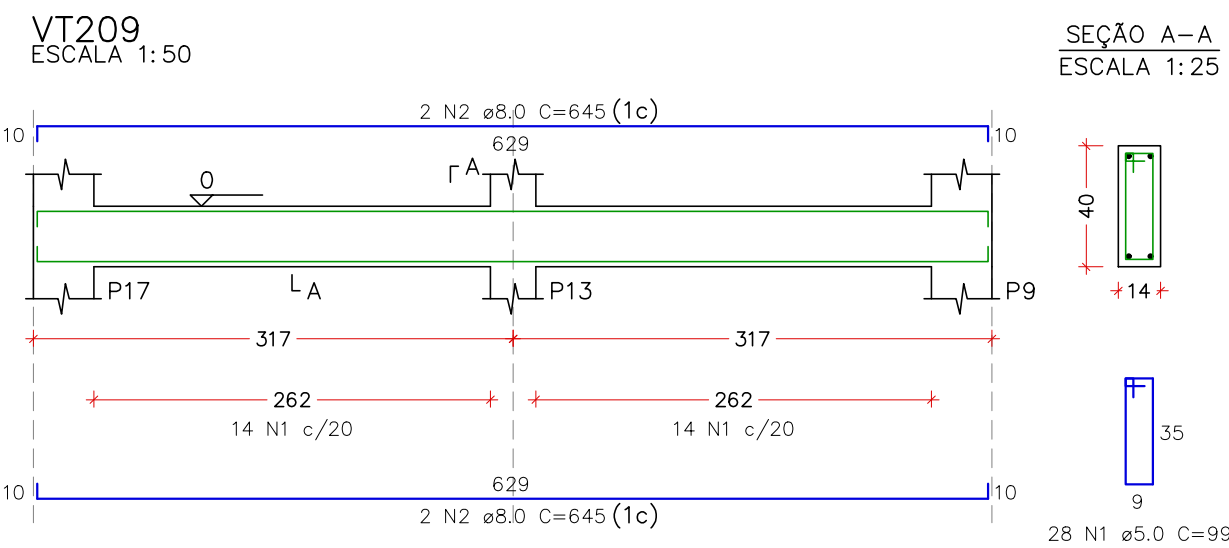
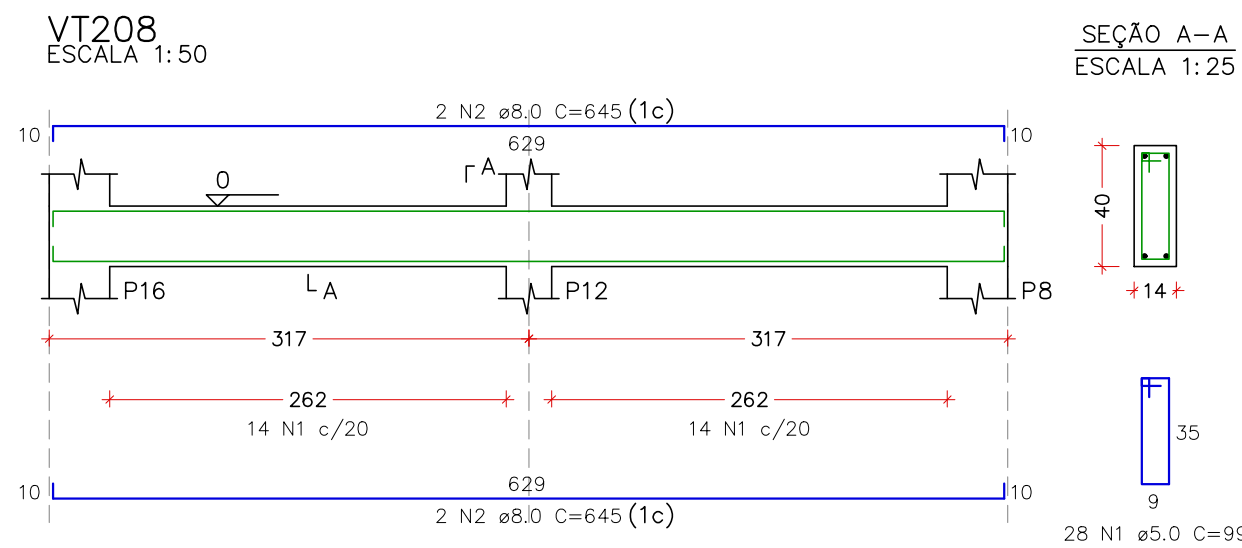
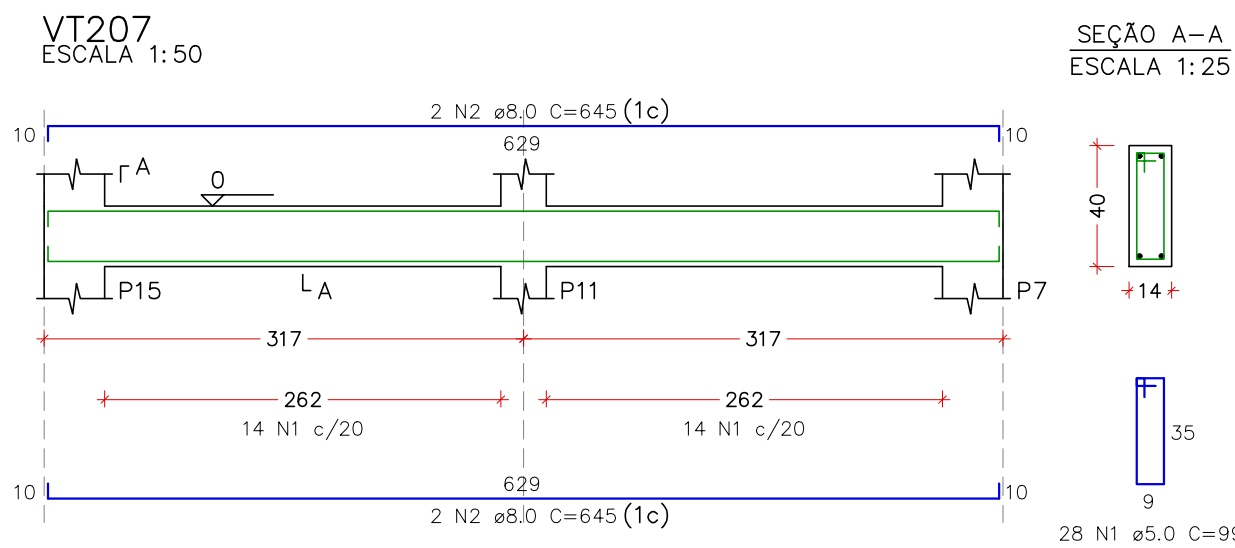
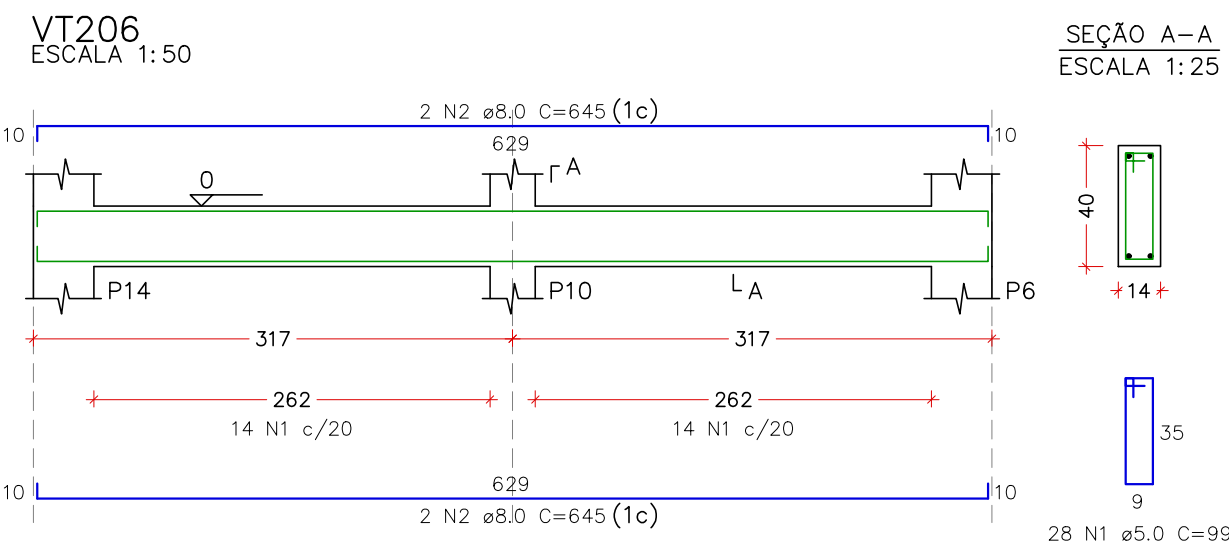




RELAÇÃO DO AÇO

ELEMENTO	AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
VT206	CA60	1	5.0	28	99	2772
	CA50	2	8.0	4	645	2580
VT207	CA60	1	5.0	28	99	2772
	CA50	2	8.0	4	645	2580
VT208	CA60	1	5.0	28	99	2772
	CA50	2	8.0	4	645	2580
VT209	CA60	1	5.0	28	99	2772
	CA50	2	8.0	4	645	2580
VT210	CA60	1	5.0	10	79	790
	CA50	2	8.0	2	191	382
	CA50	3	8.0	2	206	412
VT211	CA60	1	5.0	26	99	2574
	CA50	2	8.0	4	645	2580
VT212	CA60	1	5.0	16	79	1264
	CA50	2	8.0	2	287	574
	CA50	3	8.0	2	307	614
VT213	CA60	1	5.0	56	79	4424
	CA50	2	8.0	2	985	1970
	CA50	3	8.0	2	992	1984

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	8.0	188.4	81.8
CA60	5.0	201.4	34.1
PESO TOTAL (kg)			
CA50	81.8		
CA60	34.1		

VOLUME DE CONCRETO (C-30) = 1.93 m³
ÁREA DE FORMA = 32.72 m²

DETALHE DE DOBRAS
SEM ESCALA

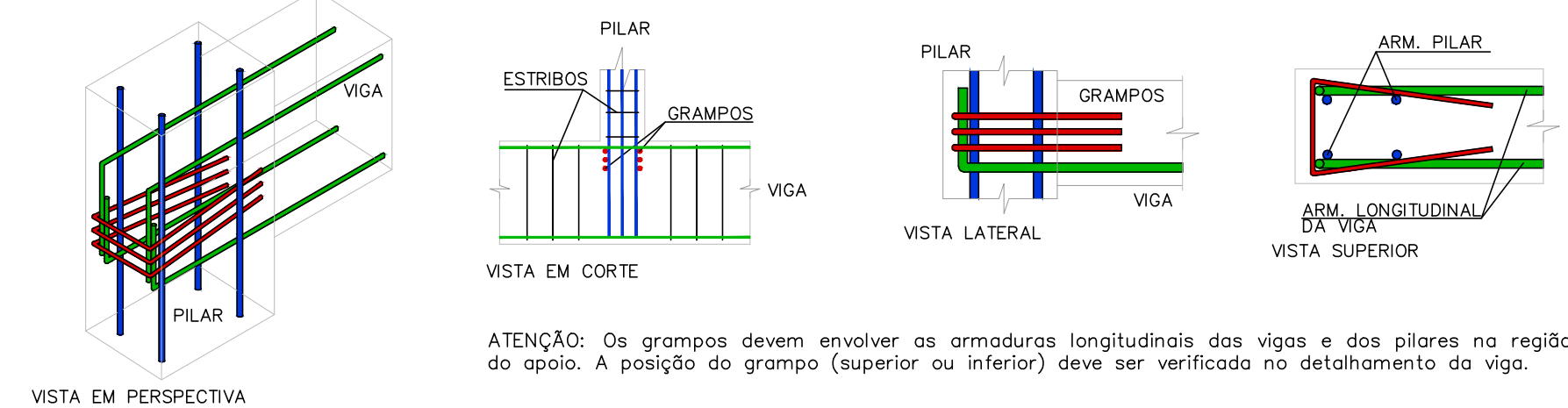
DIÂMETRO MÍNIMO DOS PINOS DE DOBRAMENTO DAS BARRAS:	
ESTRIBOS	
ø (mm)	D (mm)
5,0	15,0
6,3	18,9
8,0	24,0
10,0	30,0
12,5	62,5
16,0	80,0
≥ 20,0	8xø

BARRAS DE TRAÇÃO	
ø (mm)	D (mm)
5,0	30,0
6,3	31,5
8,0	40,0
10,0	50,0
12,5	62,5
16,0	80,0
≥ 20,0	8xø

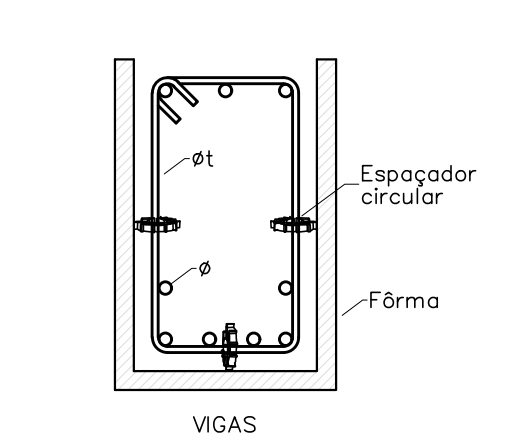
GANCHO DOS ESTRIBOS: $\geq 5\phi$ ou 5cm

NOTA: gancho em ângulo de 45°

GRAMPOS DE ANCORAGEM – VIGAS
SEM ESCALA



ESPAÇADORES NAS VIGAS
SEM ESCALA



Prefeitura Municipal
de **Pouso Alegre**

PROJETO



Rua Cel. Joaquim Francisco, 341, Bairro Varginha
CEP: 37501-052 – Itajubá / MG
Tel: (35) 2143 – 9087
www.dacengenharia.com.br

COORDENAÇÃO

RAFAEL BARBOSA CARREIRA CAU: 00A155411-5
RESPONSÁVEL TÉCNICO E AUTOR

ALOISIO CAETANO FERREIRA CREA: MG-97.132/D

EMPREENHIMENTO

AMPLIAÇÃO DO CEIM MARILISA LOPES DE OLIVEIRA

ENDEREÇO
RUA LUÍS BARBATO, 336 – B. JARDIM AURELIANO
POUSO ALEGRE – MINAS GERAIS

ASSUNTO
PROJETO ESTRUTURAL EM CONCRETO ARMADO
SALAS
DETALHAMENTO DAS VIGAS DO PAV. TÉRREO

DISCIPLINA

ESTRUTURAL

FASE DO PROJETO

EXECUTIVO

FOLHA N.º

07/25

DATA INICIAL	ESCALA	REVISÃO	ARQUIVO
17/07/2024	INDICADA	R00	DAC-PMPA-MLO-PE-EST.DWG