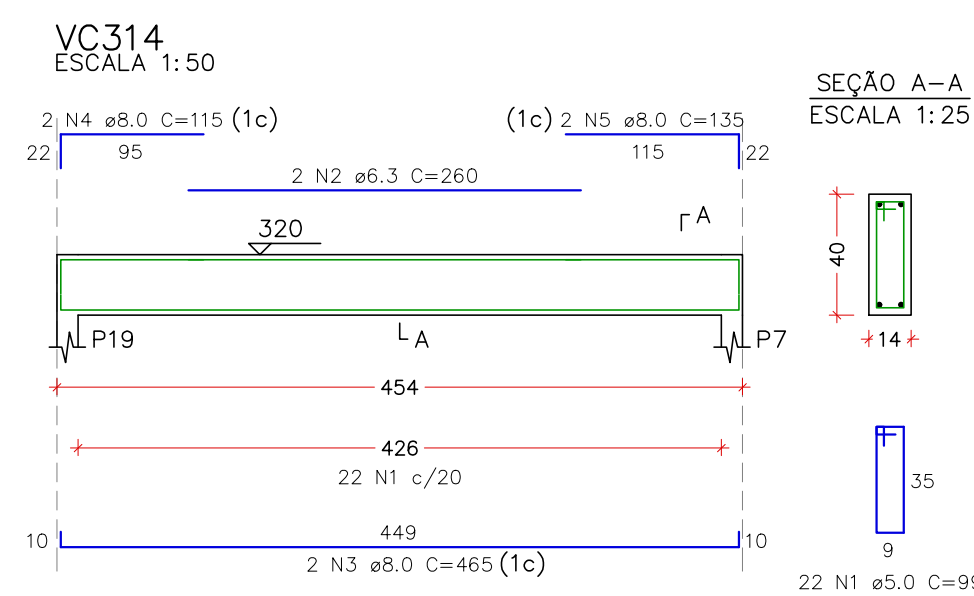
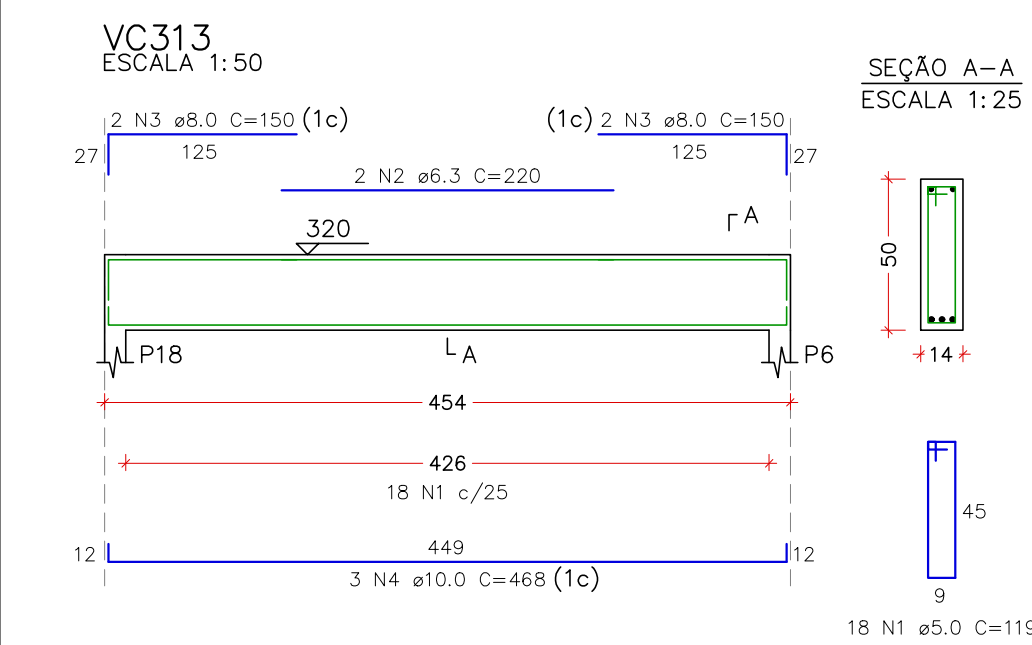
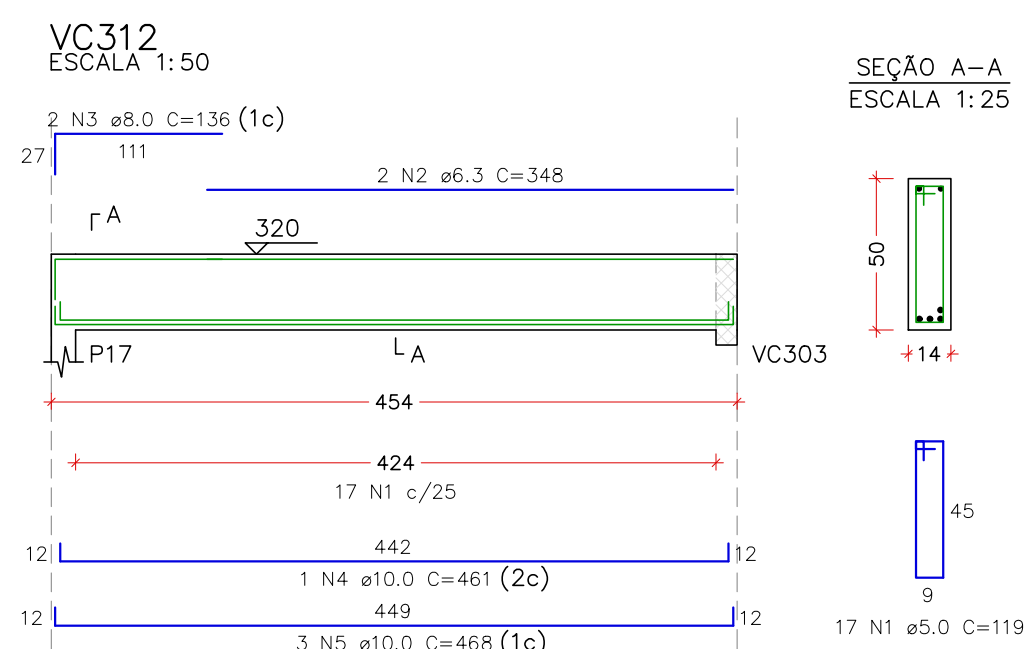
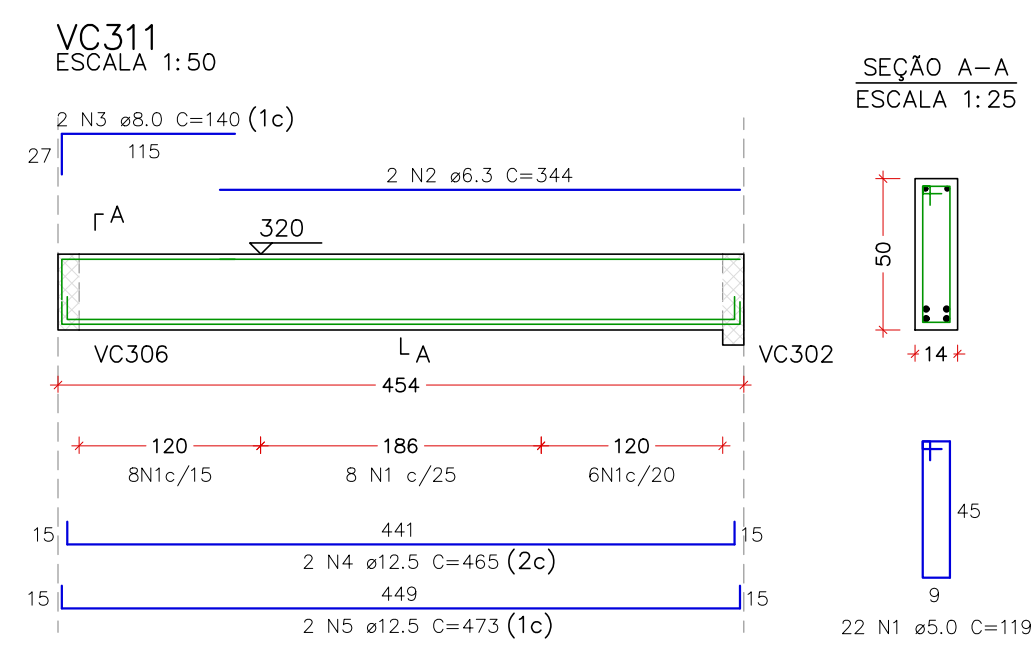
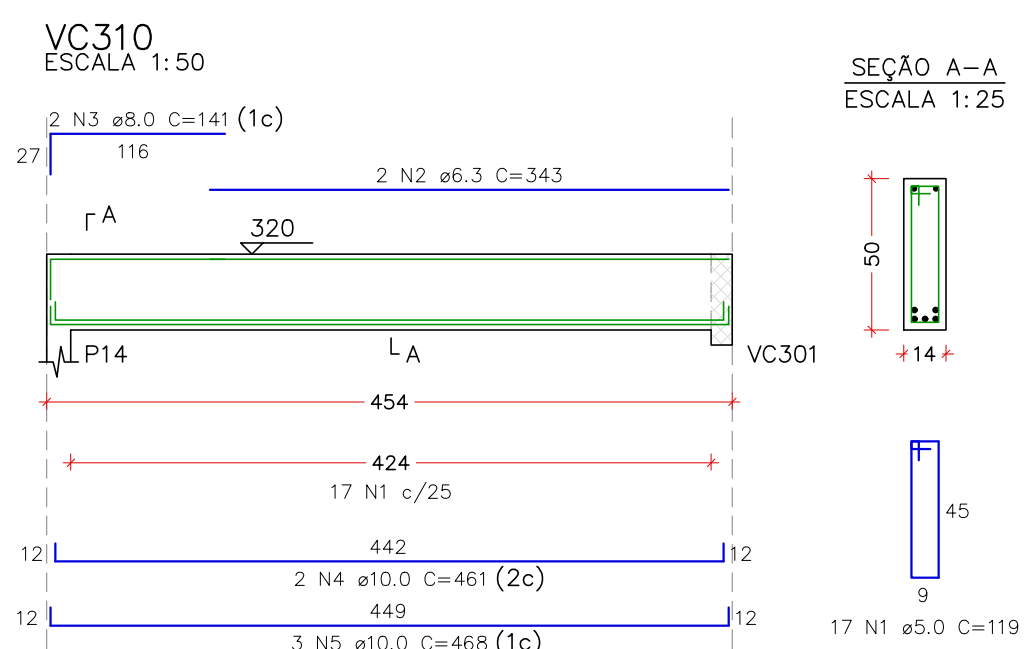
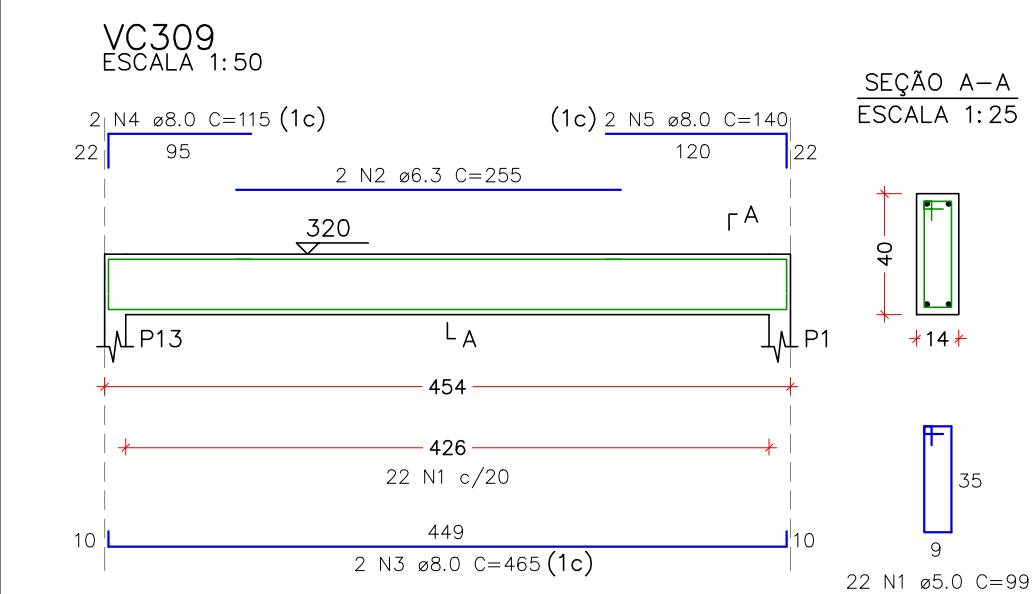
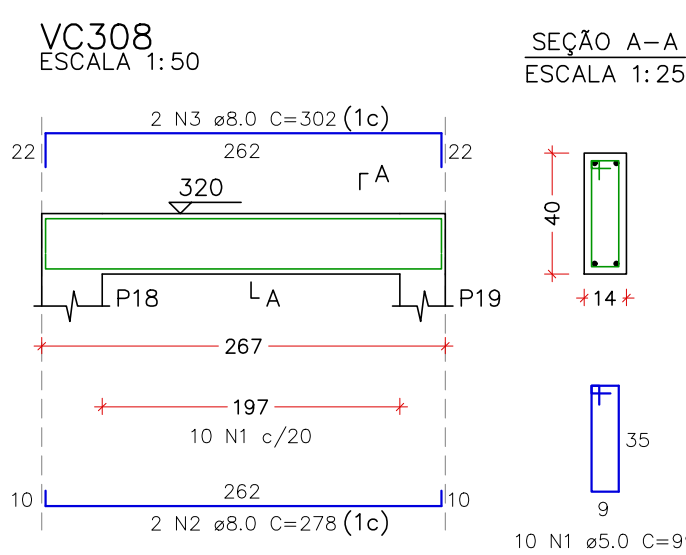
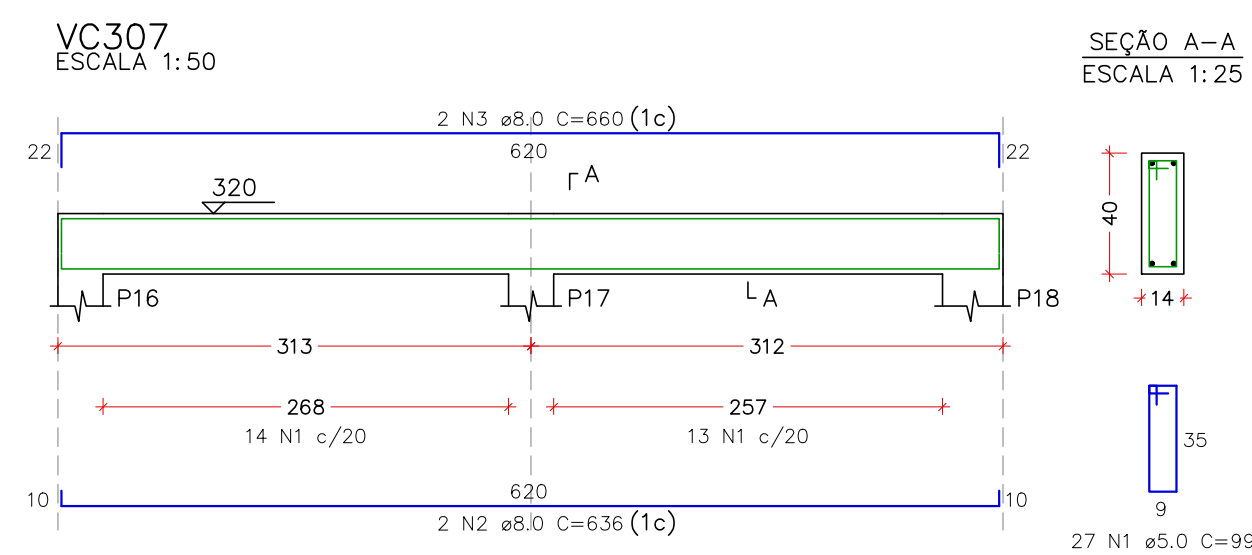
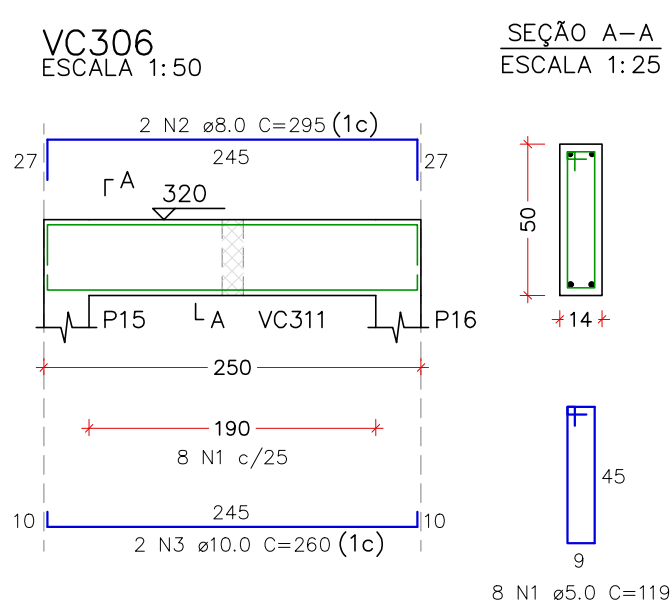
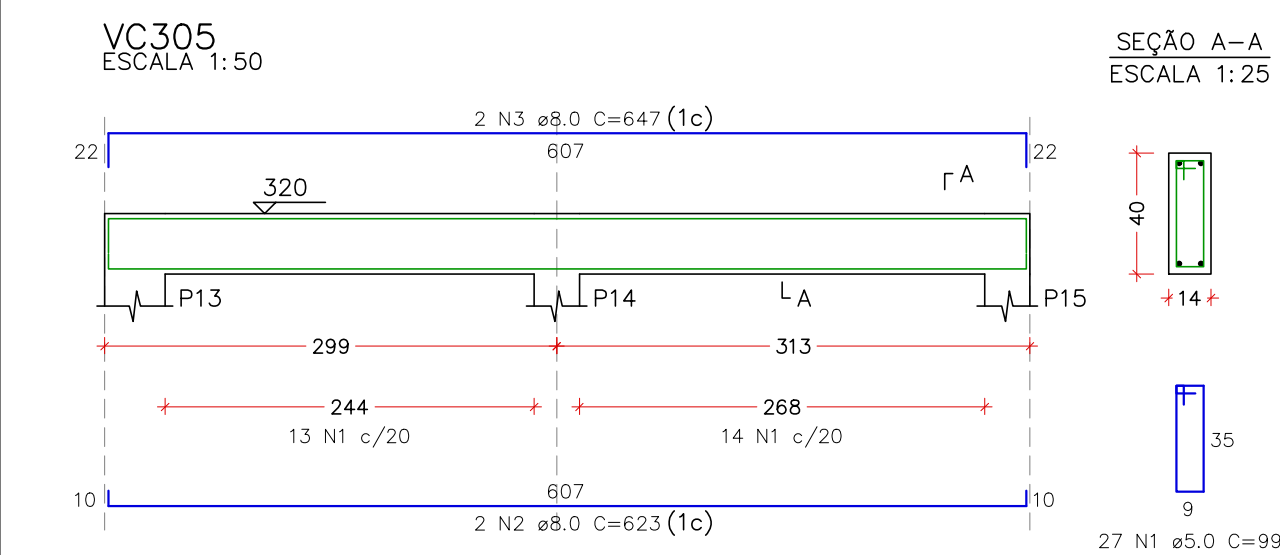
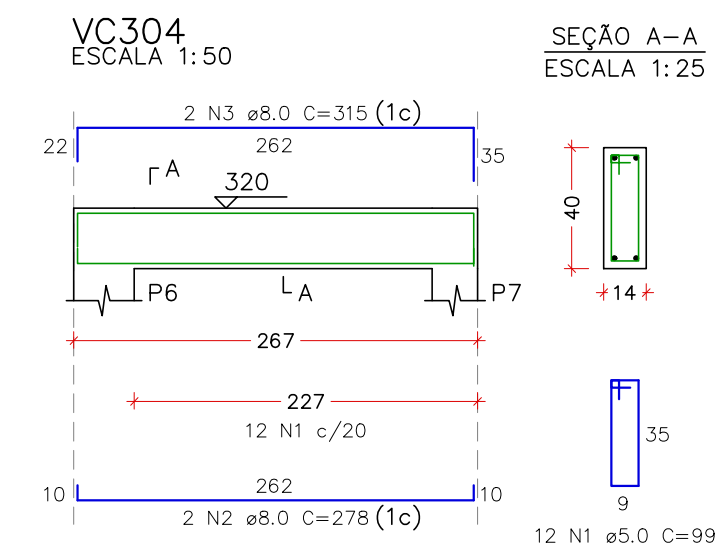
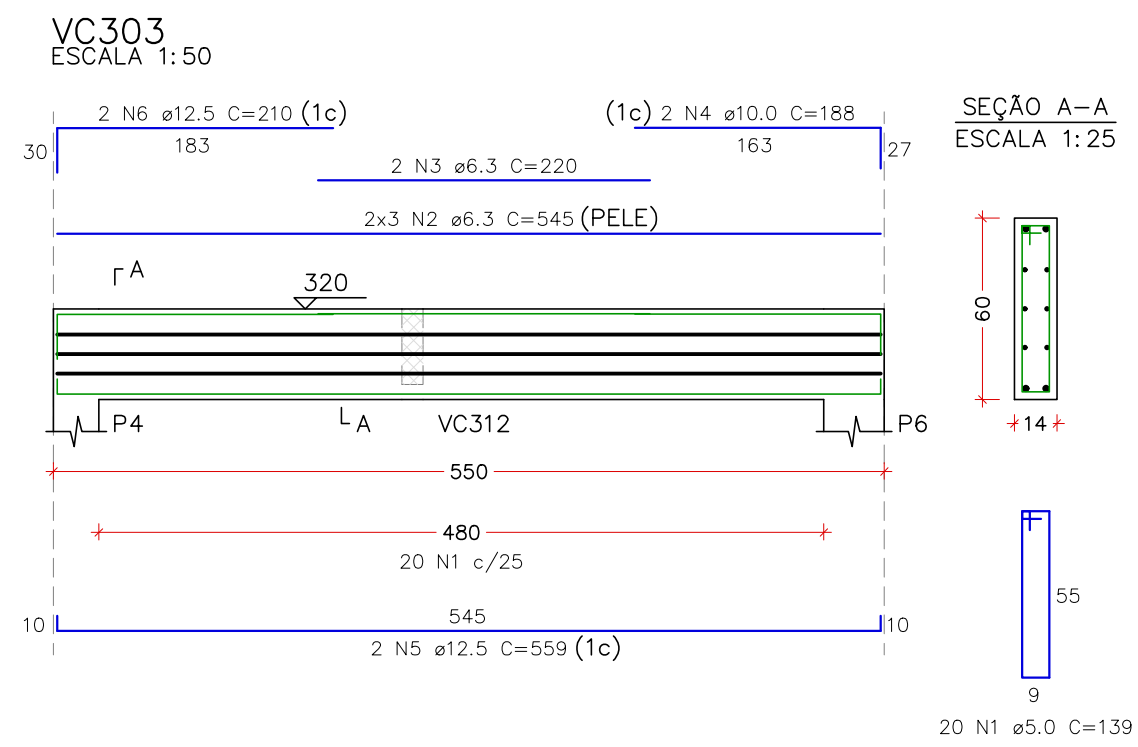
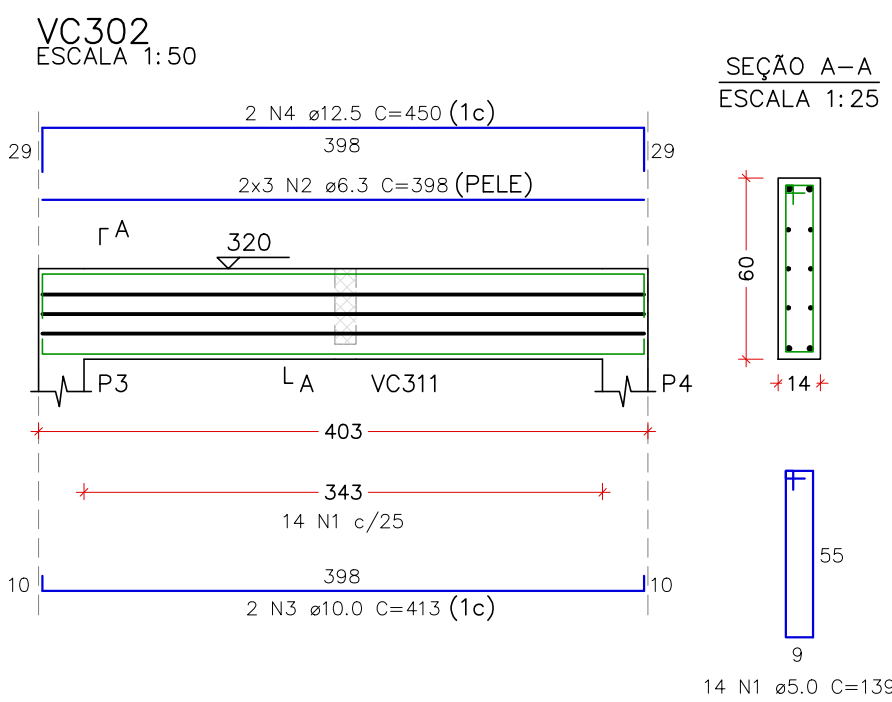
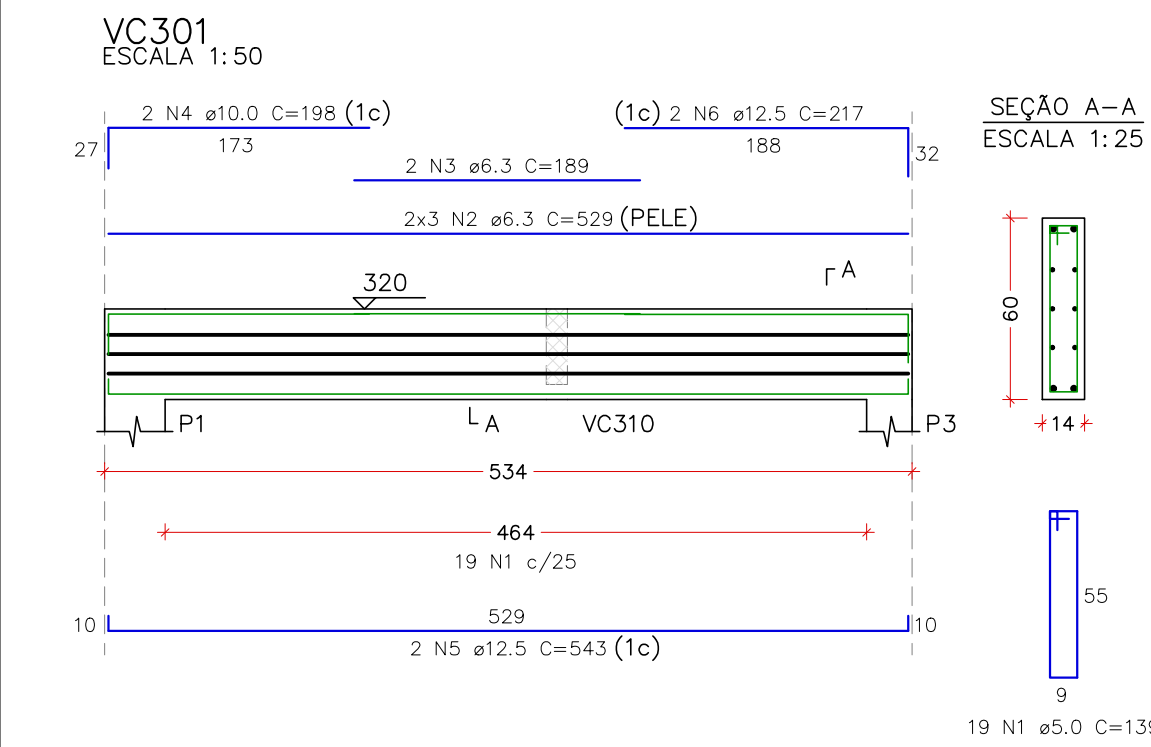




RELAÇÃO DO AÇO						
ELEMENTO	AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
VC301	CA60	1	5,0	19	139	2641
	CASO	2	6,3	6	529	3174
	CASO	3	6,3	2	188	378
VC302	CASO	4	10,0	2	198	396
	CASO	5	12,5	2	543	1086
	CASO	6	12,5	2	217	434
VC303	CA60	1	5,0	14	139	1946
	CASO	2	6,3	6	398	2388
	CASO	3	10,0	2	413	826
VC304	CASO	4	12,5	2	450	900
	CASO	5	5,0	280	139	2780
	CASO	2	6,3	6	545	3270
VC305	CA60	1	5,0	12	99	1188
	CASO	2	8,0	2	278	556
	CASO	3	8,0	2	315	630
VC306	CA60	1	5,0	27	99	2673
	CASO	2	8,0	2	623	1246
	CASO	3	8,0	2	647	1294
VC307	CA60	1	5,0	8	119	952
	CASO	2	8,0	2	295	590
	CASO	3	10,0	2	260	520
VC308	CA60	1	5,0	27	99	2673
	CASO	2	8,0	2	636	1272
	CASO	3	8,0	2	660	1320
VC309	CA60	1	5,0	10	99	990
	CASO	2	8,0	2	272	544
	CASO	3	8,0	2	308	616
VC310	CA60	1	5,0	27	99	2178
	CASO	2	6,3	2	255	510
	CASO	3	8,0	2	465	930
VC311	CA60	1	5,0	22	115	2530
	CASO	2	6,3	2	140	280
	CASO	3	8,0	2	140	280
VC312	CA60	1	5,0	17	119	2023
	CASO	2	6,3	2	343	686
	CASO	3	8,0	2	441	882
VC313	CA60	1	5,0	10	99	922
	CASO	2	6,3	2	255	510
	CASO	3	8,0	2	465	930
VC314	CA60	1	5,0	18	119	2142
	CASO	2	6,3	2	120	240
	CASO	3	8,0	2	150	300
VC315	CA60	1	5,0	17	119	2023
	CASO	2	6,3	2	348	696
	CASO	3	8,0	2	336	672
VC316	CA60	1	5,0	10	1	461
	CASO	2	6,3	2	461	922
	CASO	3	8,0	2	461	922
VC317	CA60	1	5,0	10	1	461
	CASO	2	6,3	2	461	922
	CASO	3	8,0	2	461	922
VC318	CA60	1	5,0	10	1	461
	CASO	2	6,3	2	461	922
	CASO	3	8,0	2	461	922
VC319	CA60	1	5,0	10	1	461
	CASO	2	6,3	2	461	922
	CASO	3	8,0	2	461	922
VC320	CA60	1	5,0	10	1	461
	CASO	2	6,3	2	461	922
	CASO	3	8,0	2	461	922

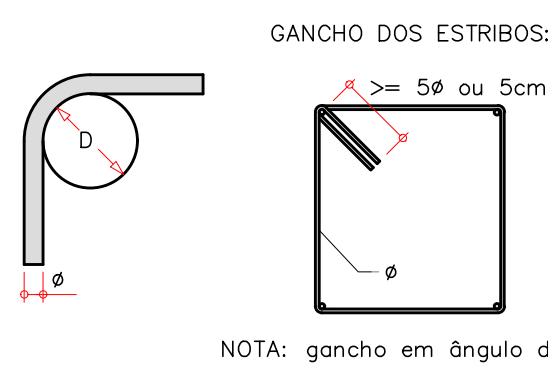
RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	131.9	35.5
	8.0	123.7	53.7
	10.0	77.1	52.3
	12.5	58.3	61.8
CA60	5.0	290.1	49.2
PESO TOTAL (kg)			
CA50	203.3		
CA60	49.2		

VOLUME DE CONCRETO (C-30) = 3.70 m³
 ÁREA DE FORMA = 48.99 m²

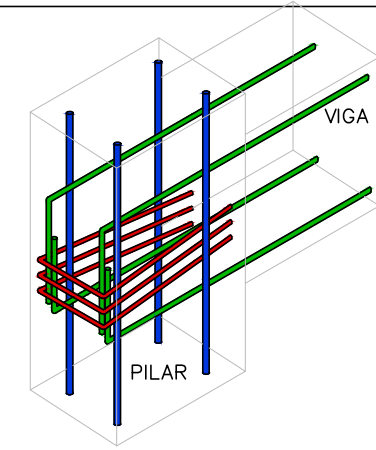
DETALHE DE DOBRAS
SEM ESCALA

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

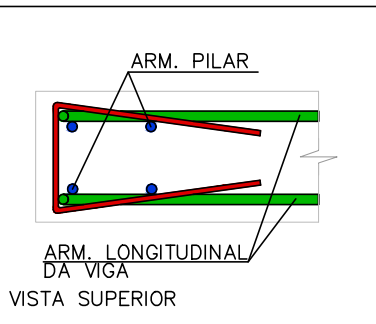
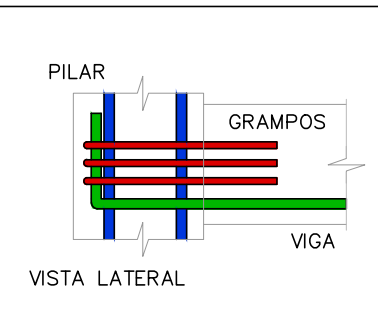
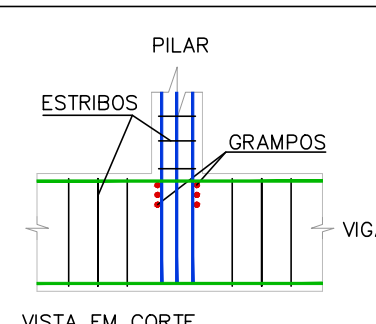


NOTA: gancho em ângulo de 45°

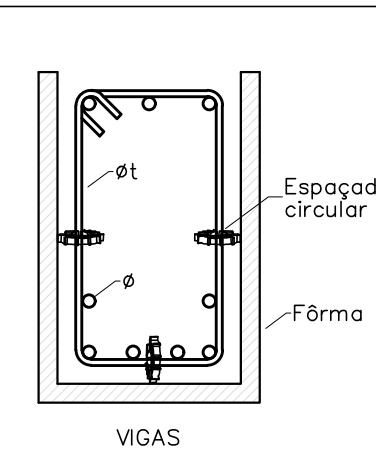
GRAMPOS DE ANCORAGEM – VIGAS
SEM ESCALA



VISTA EM PERSPECTIVA



ESPAÇADORES NAS VIGAS
SEM ESCALA



WORKS

REV. 00	17/07/24	EMIÇÃO INICIAL	DAC
REVISÃO:	DATA :	DESCRIÇÃO:	RESP.:



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: 00AT55411-5 RESPONSÁVEL TÉCNICO E AUTOR _____ ALÍSSIO CAETANO FERREIRA CREA: MG-97.132/D
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AMPLIAÇÃO DO CEIM MARILISA LOPES DE OLIVEIRA

ENDEREÇO	DISCIPLINA
RUA LUÍS BARBATO, 336 – B. JARDIM AURELIANO POUSO ALEGRE – MINAS GERAIS	ESTRUTURAL
	CASE DO PROJETO

ASSUNTO	EXECUTIVO
PROJETO ESTRUTURAL EM CONCRETO ARMADO	FOLHA N.º
BANHEIROS	22/25
DETALHAMENTO DAS VIGAS DO PAVIMENTO COBERTURA	

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