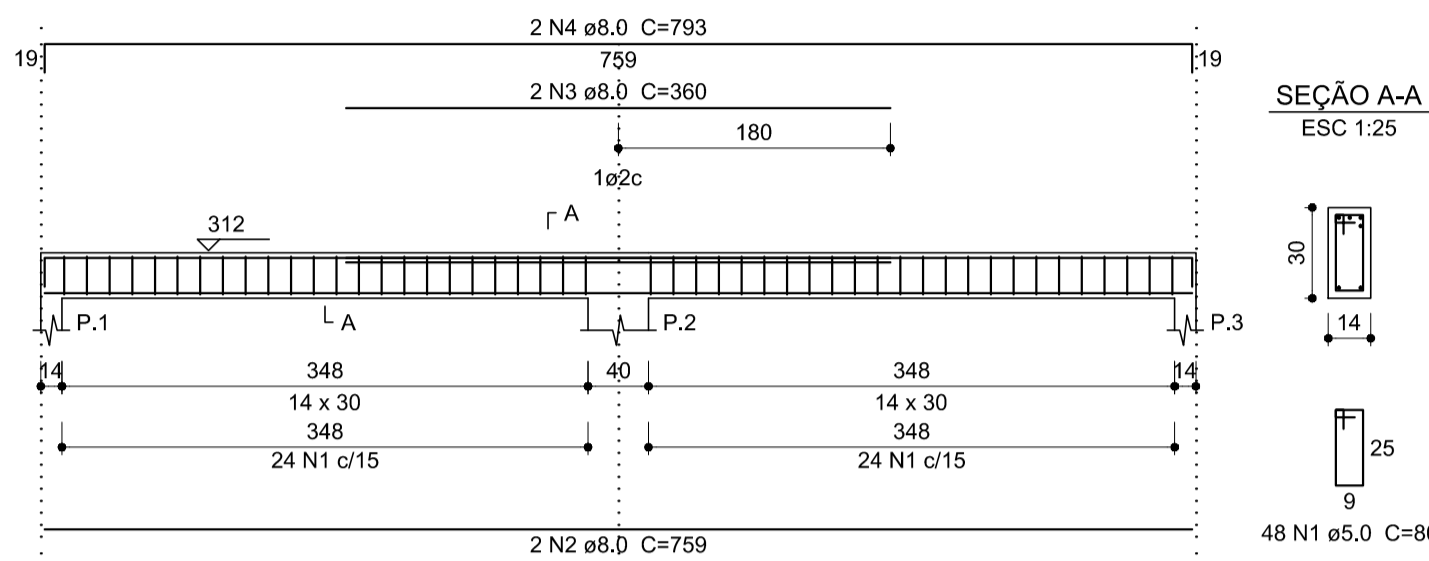
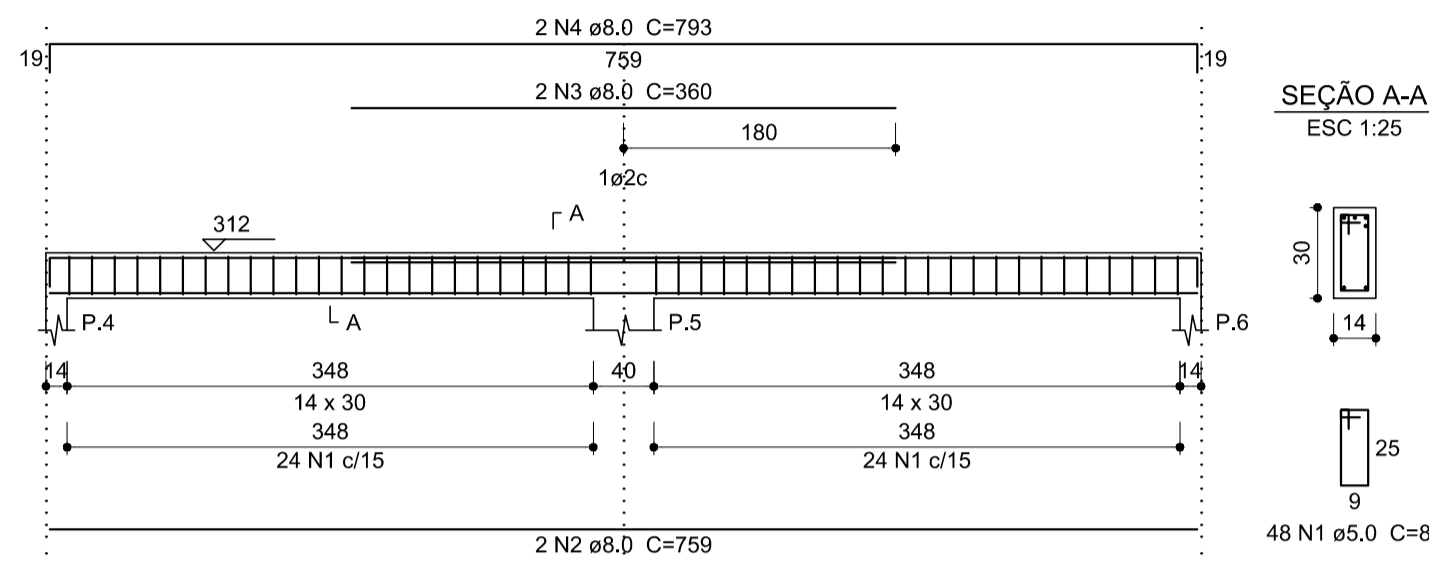


**VC.1**  
ESC 1:50



**VC.2**  
ESC 1:50



**Relação do aço**

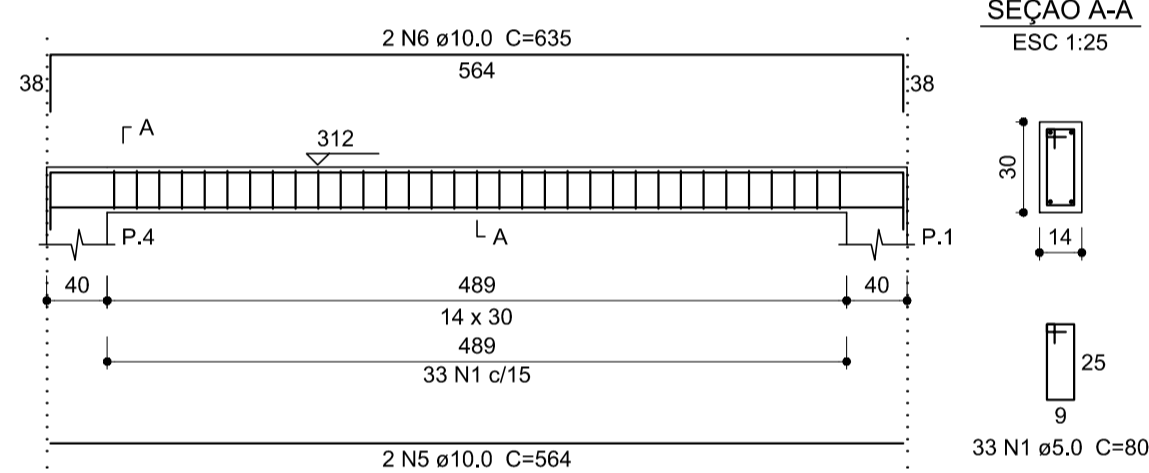
AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	162	80	12960
CA50	2	8.0	4	759	3036
	3	8.0	4	360	1440
	4	8.0	4	793	3172
	5	10.0	4	564	2256
	6	10.0	2	635	1270
	7	10.0	3	614	1842

**Resumo do aço**

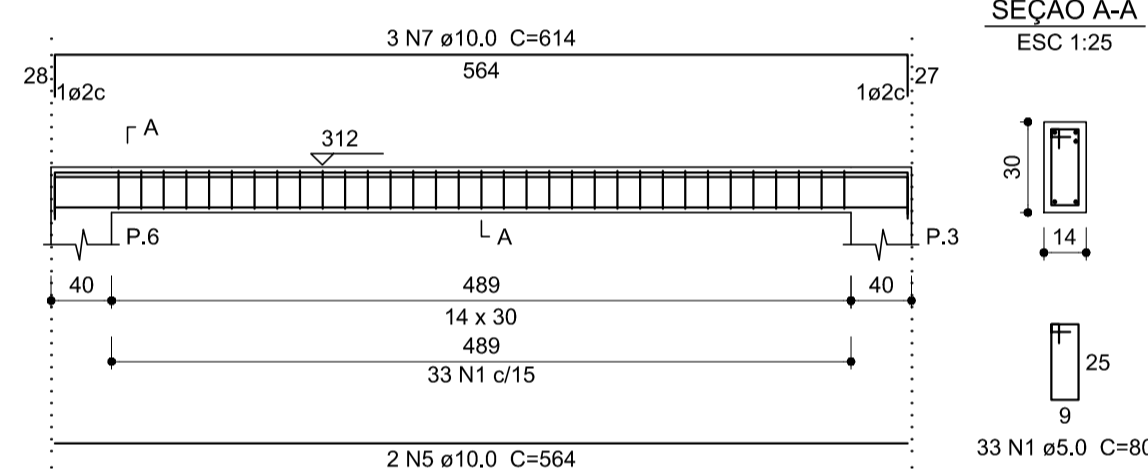
AÇO	DIAM	C.TOTAL (m)	PESO (kg)
CA50	8.0	76.5	30.2
CA60	10.0	53.7	33.1
<b>PESO TOTAL</b>			
CA50	63.3		
CA60	20		

Vol. de concreto total (C-25) = 1.12 m<sup>3</sup>  
Área de forma total = 19.73 m<sup>2</sup>

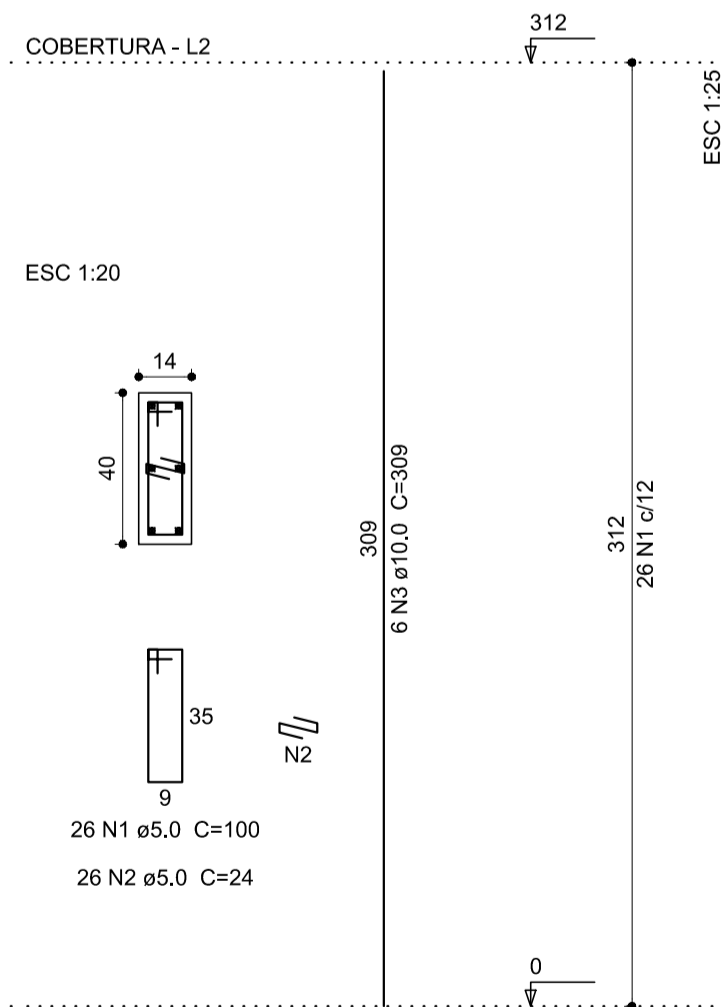
**VC.3**  
ESC 1:50



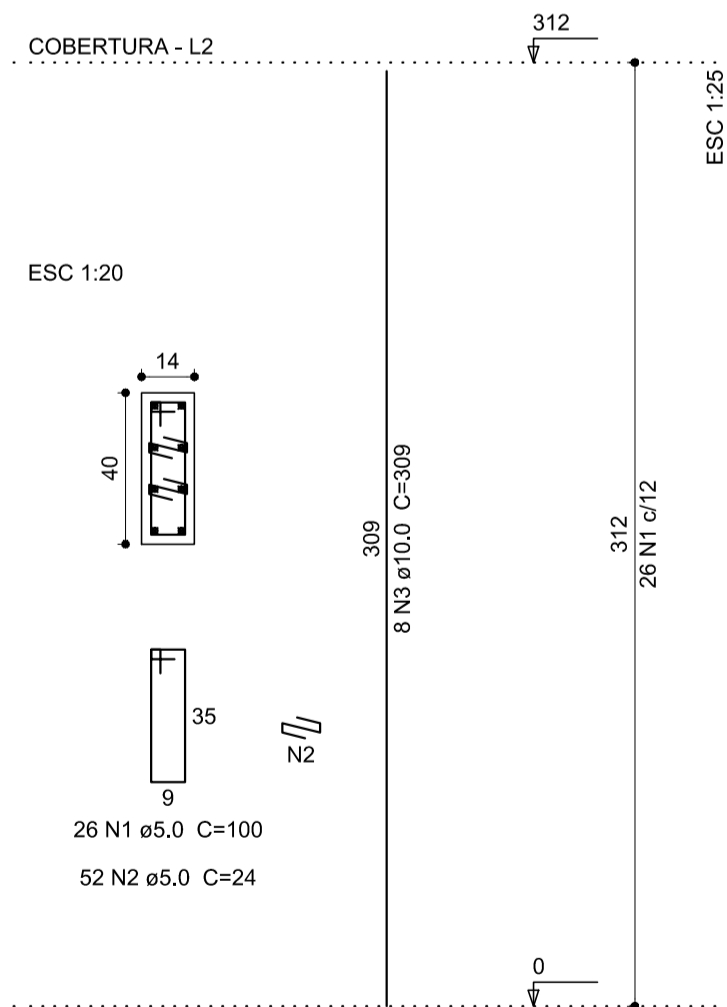
**VC.4**  
ESC 1:50



**P.1=P.2=P.3=P.6**



**P.4=P.5**



**Relação do aço**

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	156	100	15600
CA50	2	5.0	208	24	4992
CA50	3	10.0	40	309	12360

**Resumo do aço**

AÇO	DIAM	C.TOTAL (m)	PESO (kg)
CA50	10.0	123.6	76.2
CA60	5.0	206	31.7
<b>PESO TOTAL</b>			
CA50	76.2		
CA60	31.7		

Vol. de concreto total (C-25) = 1.05 m<sup>3</sup>  
Área de forma total = 20.22 m<sup>2</sup>

CLIENTE: IFC CAMPUS ARAQUARI		FOLHA	
LOCAL: BR 280 KM 27		03	
BAIRRO: ---		CIDADE: ARAQUARI - SC	
DETALHAMENTO DAS VIGAS E PILARES DO PAVIMENTO COBERTURA			
PROJETO ESTRUTURAL			
DESENHO	ESCALA	DATA	DATA ULT. MODIF.
Cirilo Junior	Indicadas	01/07/2013	31/07/2013
Rua Nazareno, 426 - Bairro Gloria - Joinville - SC - Fone 47 3427-6555		 <b>CIRILO DE ALEXANDRIA ALMEIDA JR</b> Engenheiro Civil - CREA 094274-8	