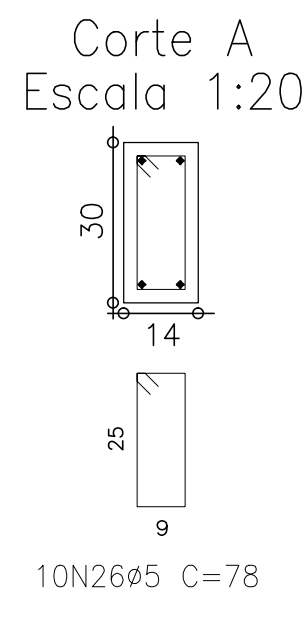
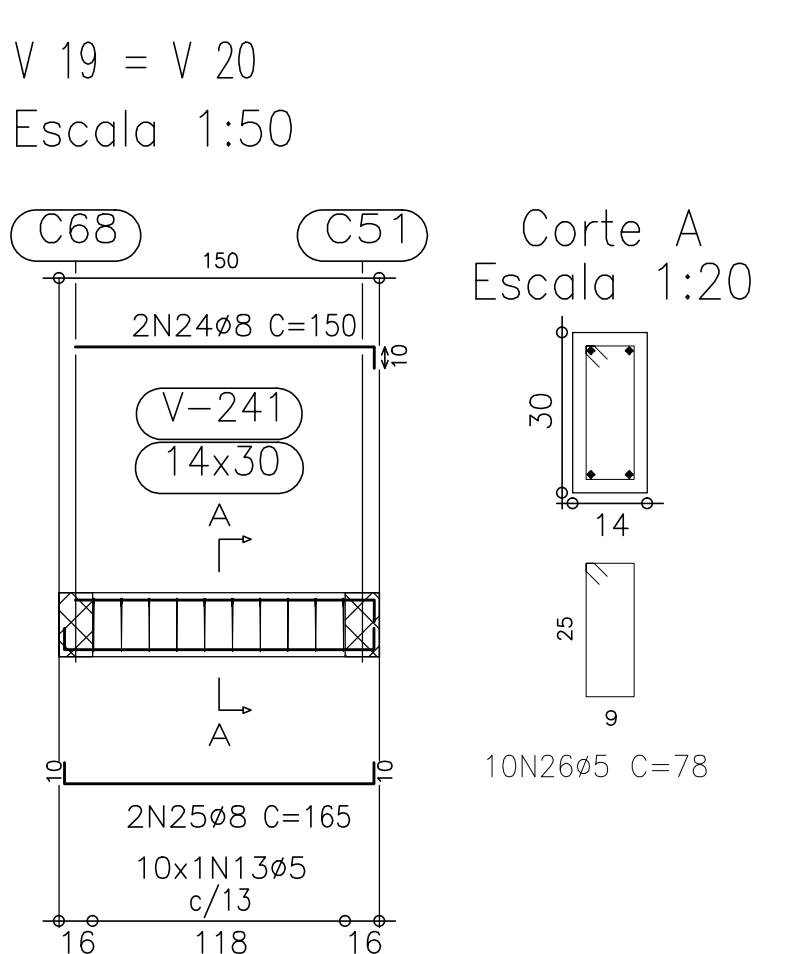
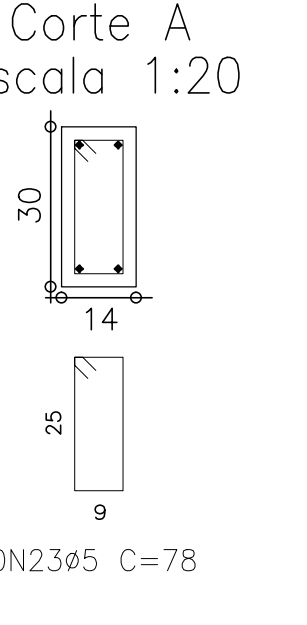
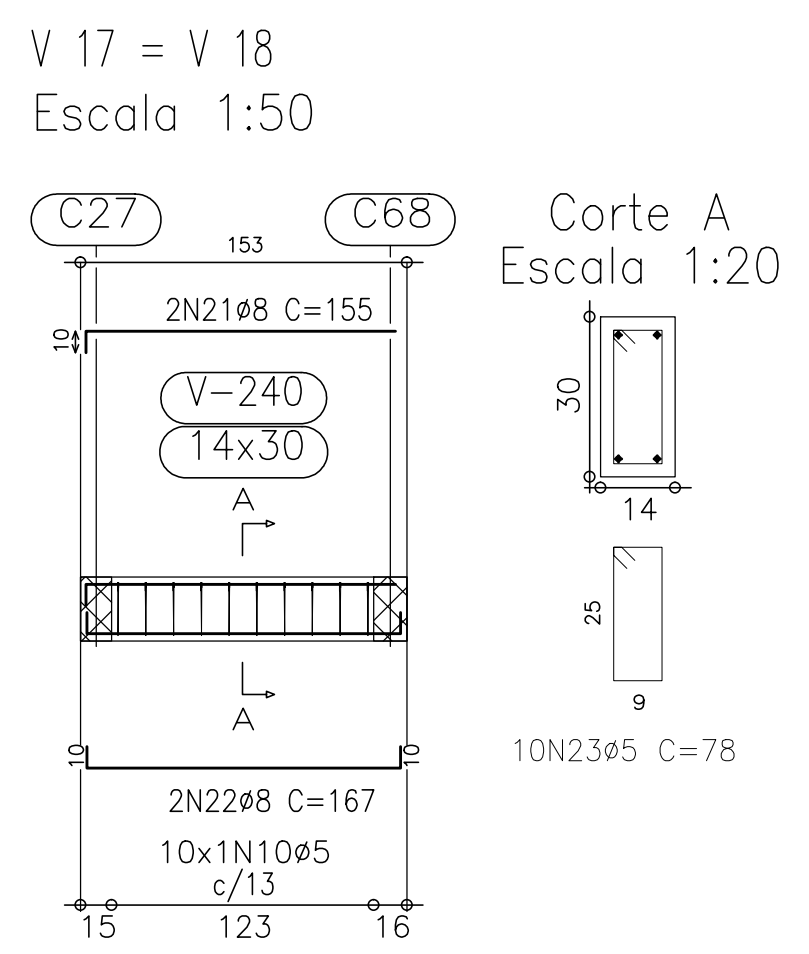
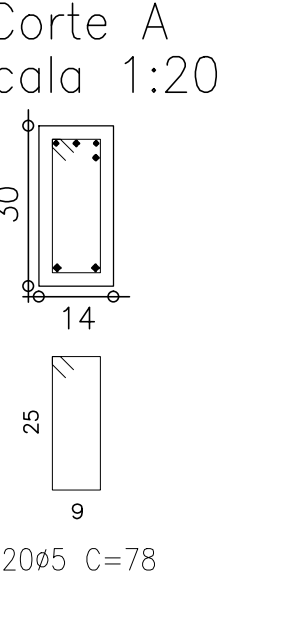
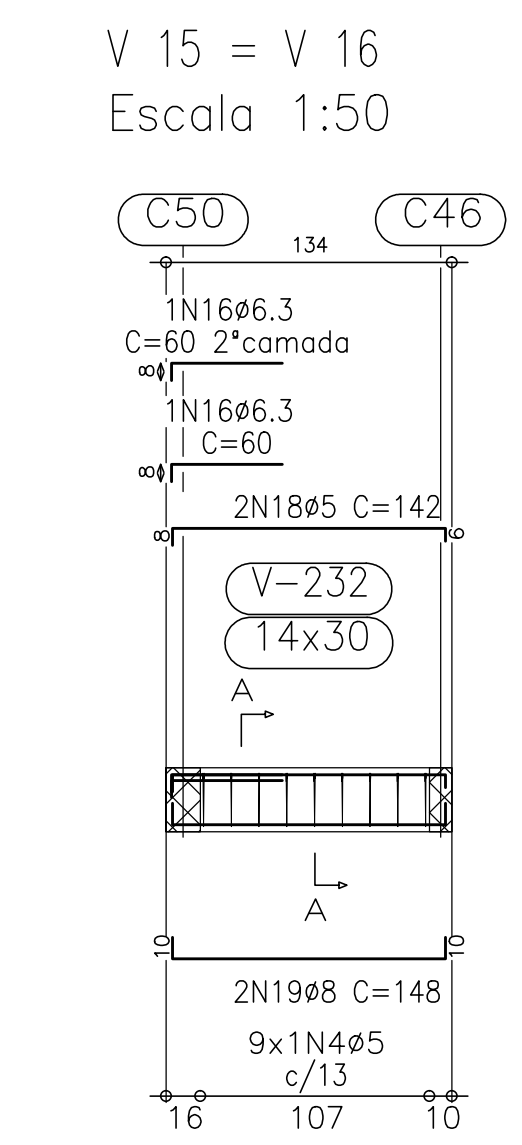
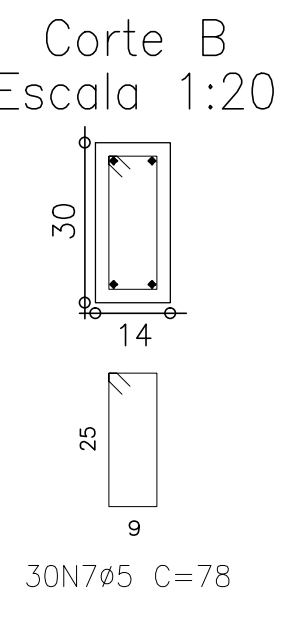
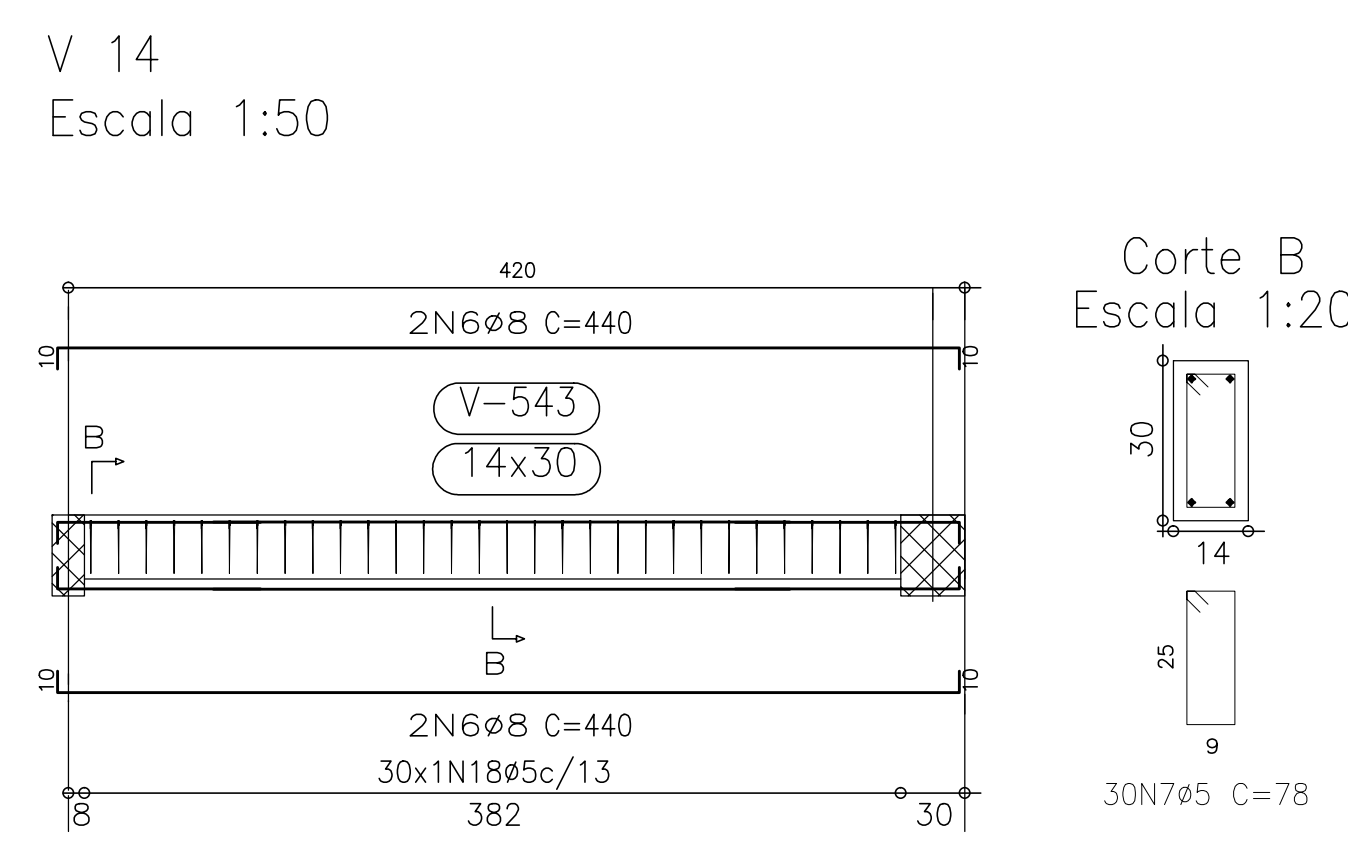
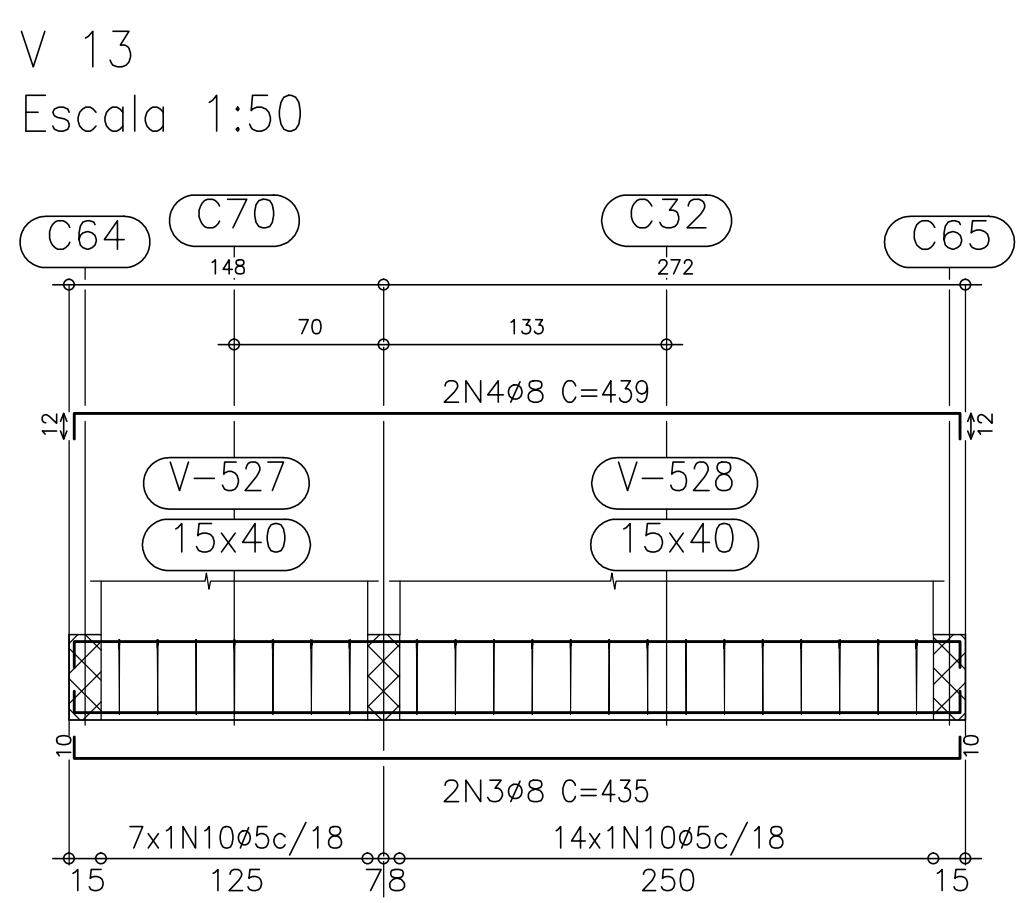
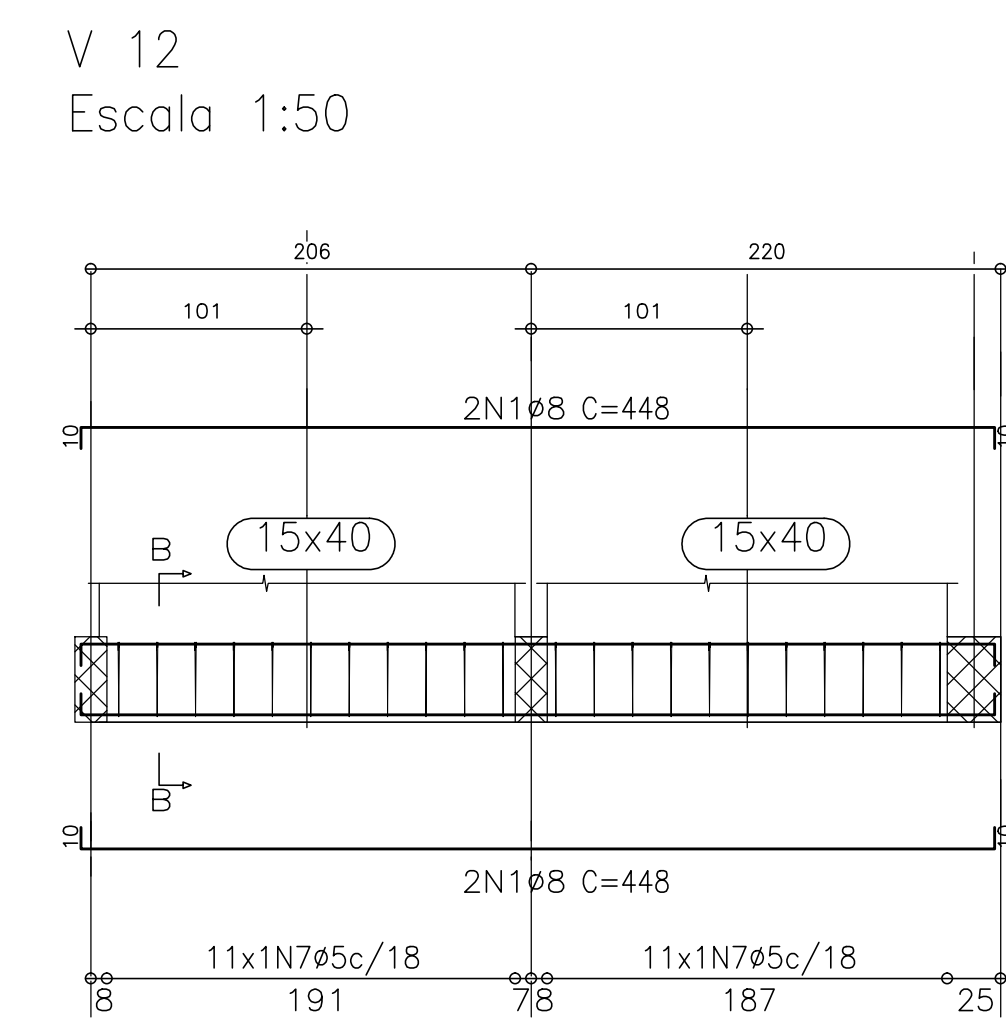
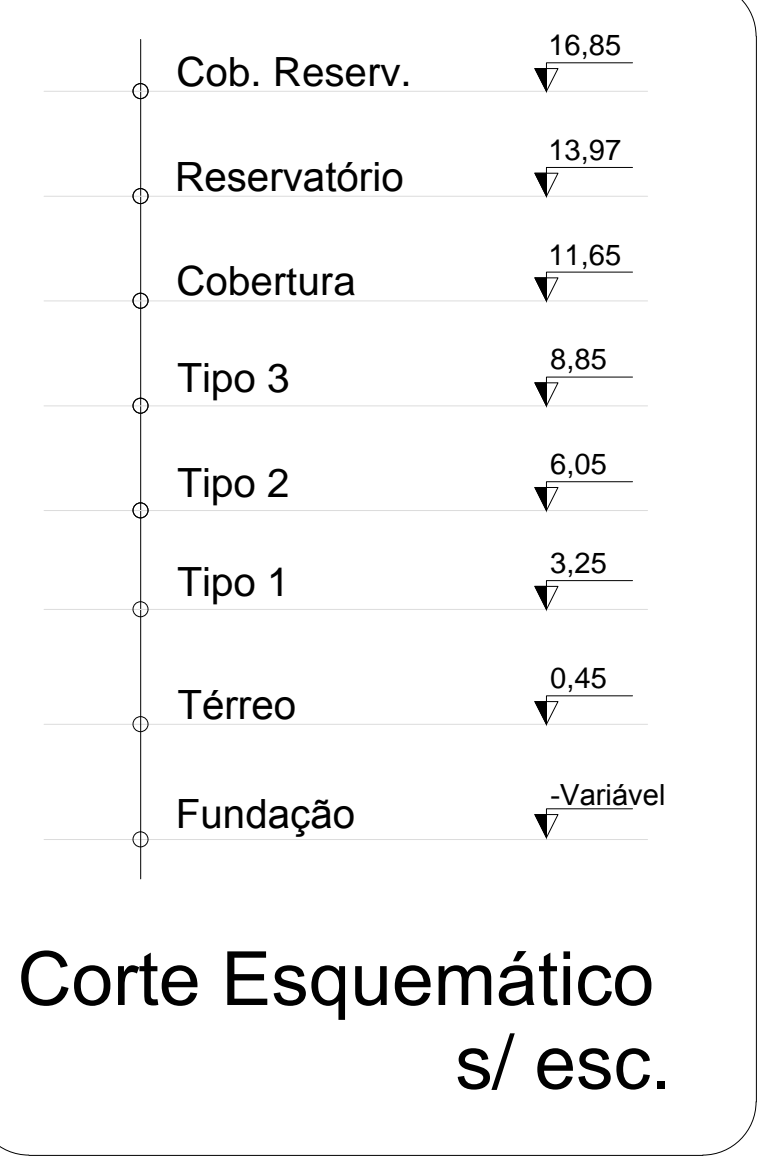


COBERTURA
Desenho de vigas
Concreto: C25, em geral
Aço: CA-50-A e CA-60-B
Escala vigas: 1:50
Escala seções: 1:20



NOTA:
- ESPESSURA DA ARGAMASSA DE
ASSENTAMENTO É DE 1cm, PROIBIDO
A EXECUÇÃO DE JUNTA SECA;



Elemento	Pos.	Diam.	Q.	Dob. (cm)	Retd (cm)	Dob. (cm)	Comp. (cm)	Total (cm)	CA-50-A (kg)	CA-60-B (kg)
V 1	1	ø8	4	10	132	10	152	608	2.2	
	2	ø5	8				78	624		1.0
Total+10%:									2.2	1.0
V 3	3	ø8	2	10	117	10	137	274	1.1	
	4	ø8	2	10	117	10	137	274	1.1	
	6	ø8	2	20	150	20	190	380	1.5	
	6	ø8	2	20	150	20	190	380	1.5	
	7	ø5	10				78	780		1.2
	7	ø5	10				78	780		1.3
	7	ø5	8				100	800		2.5
Total+10%:									5.7	
V 5	8	ø10	2	12	290	12	314	628	3.9	
	9	ø12.5	2	15	290	15	320	640	6.3	
	10	ø10	2	12	116	12	140	280	0.8	
	11	ø8	2	10	116	10	136	272	1.1	
	12	ø5	29				78	2262		3.6
	Total+10%:								15.3	4.5
V 13	13	ø6.3	2	8	106	8	122	244	0.6	
	14	ø8	2	10	106	10	126	252	1.0	
	15	ø5	7				78	546		0.9
Total+10%:									1.6	0.9
V 12	1	ø8	4	10	428	10	448	1792	7.0	
	2	ø5	22				100	2200		3.5
Total+10%:									7.0	3.5
V 5	3	ø8	2	10	415	10	435	870	3.4	
	4	ø8	2	12	415	12	439	878	3.4	
	5	ø5	21				100	2100		3.3
Total+10%:									6.8	3.3
V 14	6	ø8	30		430	10	440	1760	7.0	
	7	ø5	30				78	2340		3.7
Total+10%:									7.0	3.7
V 9	10	ø8	4	12	187	12	211	844	3.4	
	11	ø5	9				100	900		1.4
Total+10%:									3.4	1.4
V 8	8	ø8	4	10	162	10	182	728	2.8	
	9	ø5	8				100	800		1.3
Total+10%:									2.8	1.3
									ø5:	0.0
									ø6.3:	0.6
									ø8:	36.5
									ø12.5:	6.3
									Total:	43.4
										22.1

Concreto $F_{ck} = 25\text{Mpa}$

CABREIRA RODRIGUES
Equipe Técnica
Eng. Civil Cristian Vitorrei Fernandes
Eng. Civil Fabricio Ferreira Rodrigues
Eng. Civil Diego Augusto De Cesaro
Eng. Civil / Eletrotéc. Fábio Ferreira
Acad. Eng. Civil Amanda Bianchini

SOLUÇÕES EM ENGENHARIA

PROJETO	ESTRUTURAL			
RESPONSÁVEL PELO PROJETO	RESPONSÁVEL PELA EXECUÇÃO			
Eng. Civil Fabricio Ferreira Rodrigues CREA/SC 41413-0				
OBRA / PROPRIETÁRIO	ASSUNTO:			
Vivendas De Barcelona Rua Salvador e Rua Xingu, Bairro Brasília Criciúma - Santa Catarina	VIGAS COBERTURA			
ARQUIVO	FOLHA			
C:\CR\CR1\BARCELONA\ESTR.	35/35			
DATA	OBRA	ÁREA	ESCALA	DESENHO
JAN/13	008/CR1	7.846,24m²	1/50	Diego Augusto