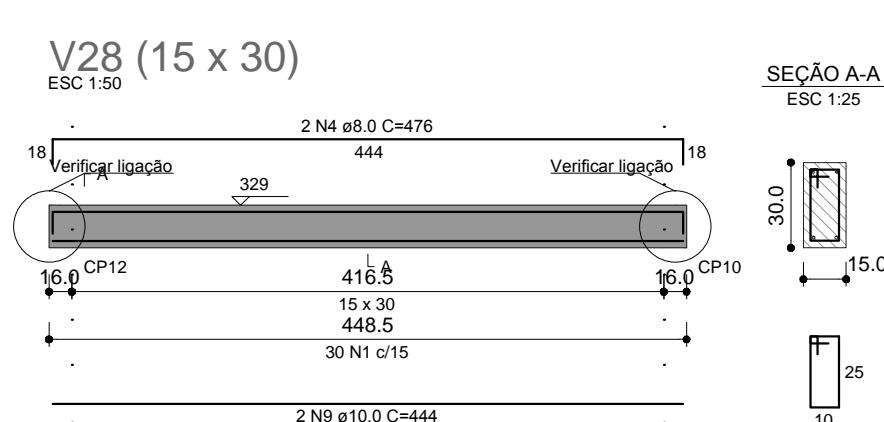
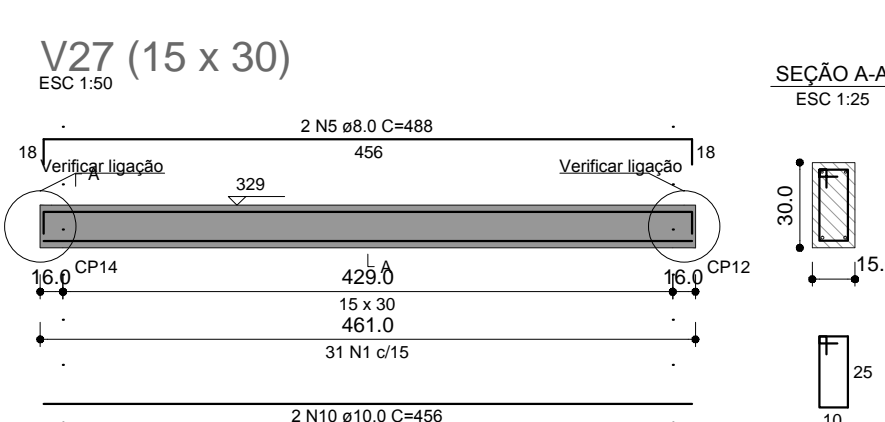
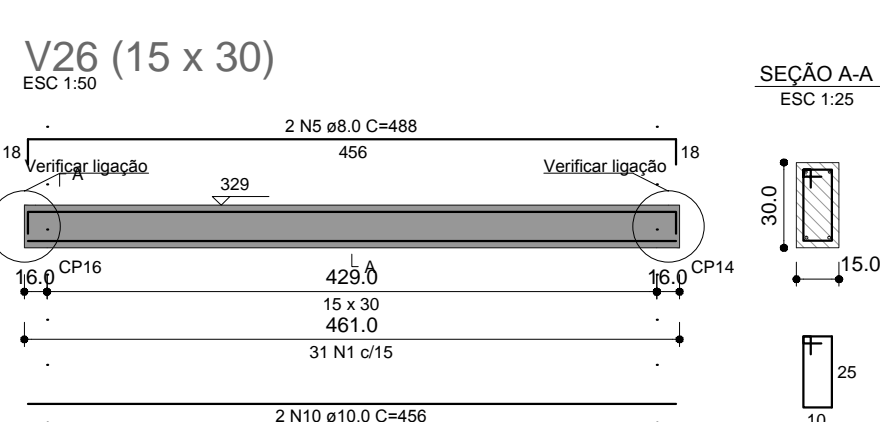
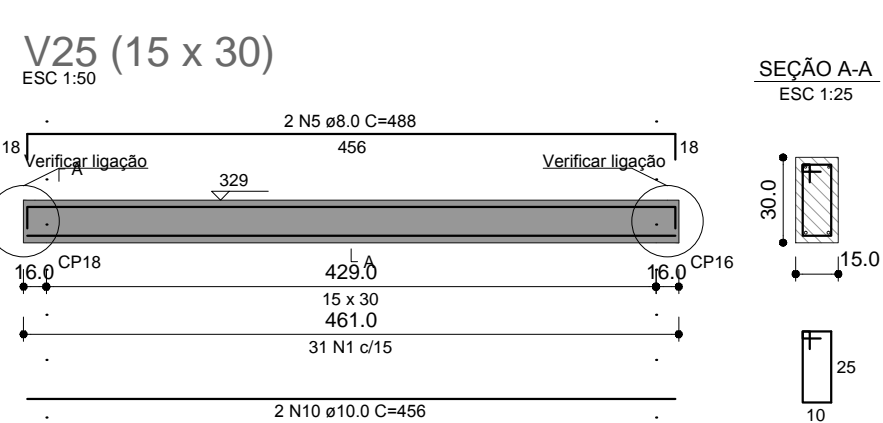
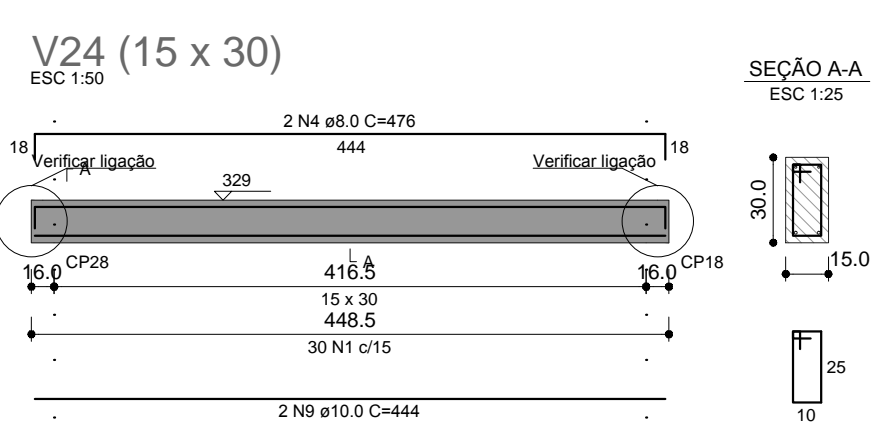
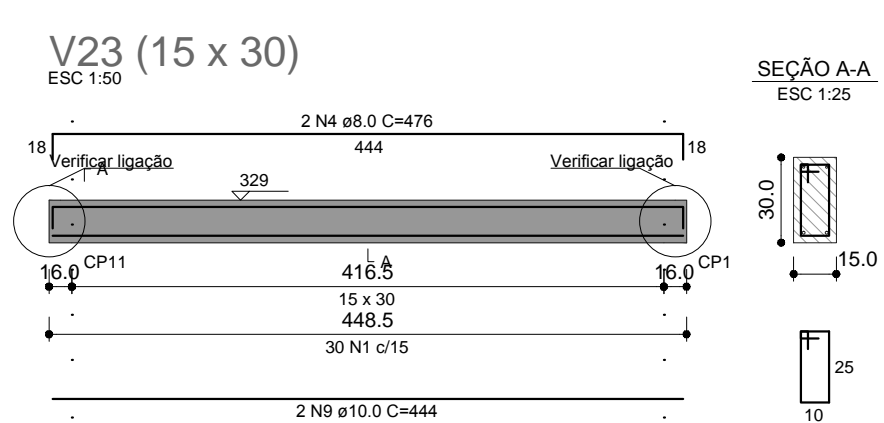
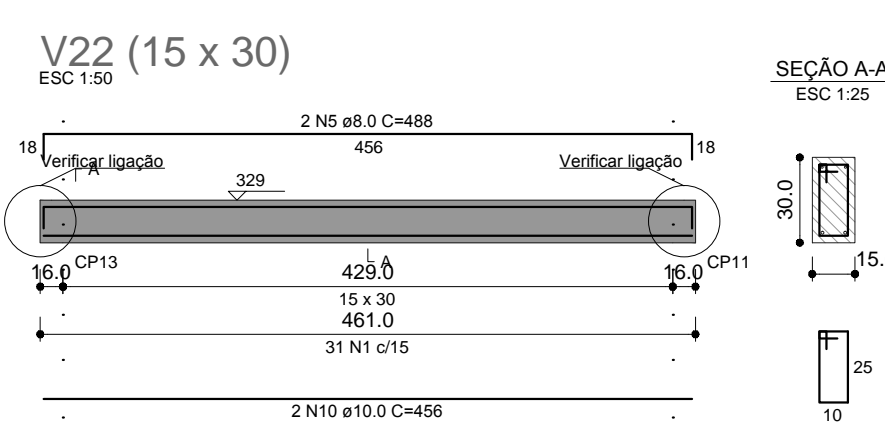
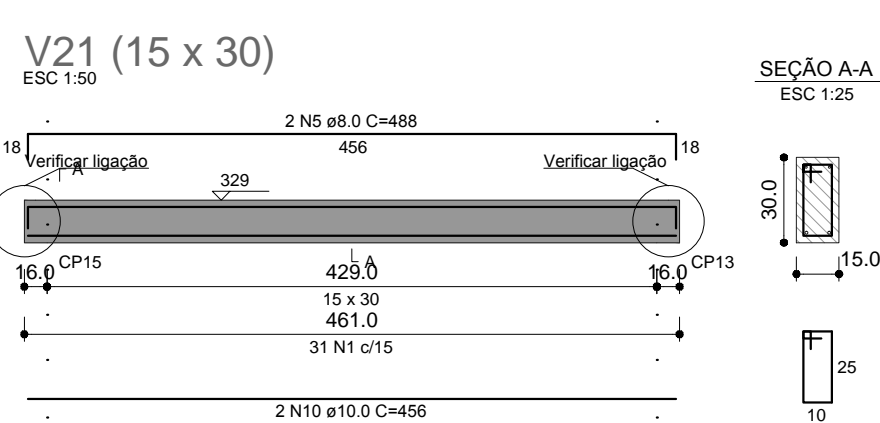
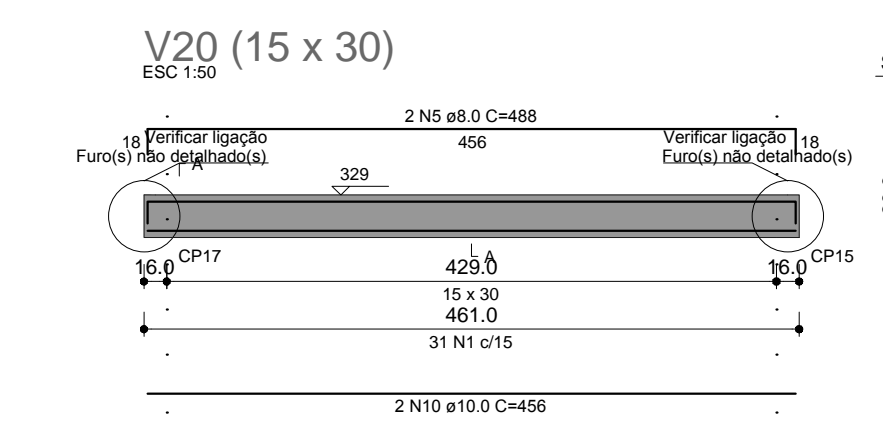
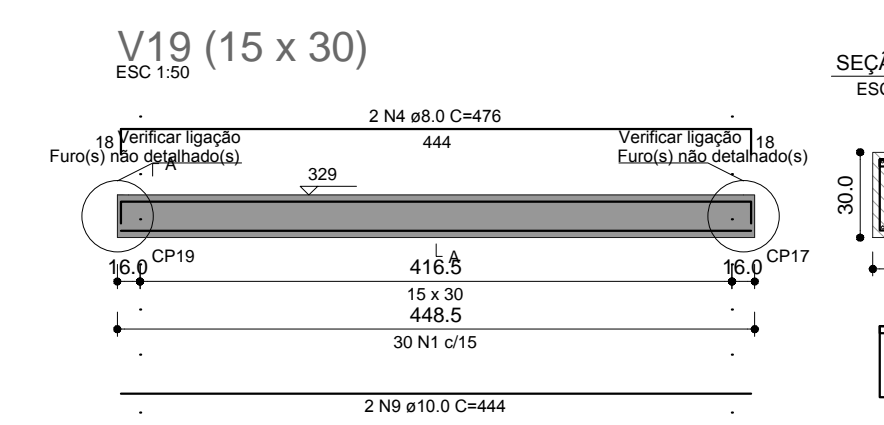
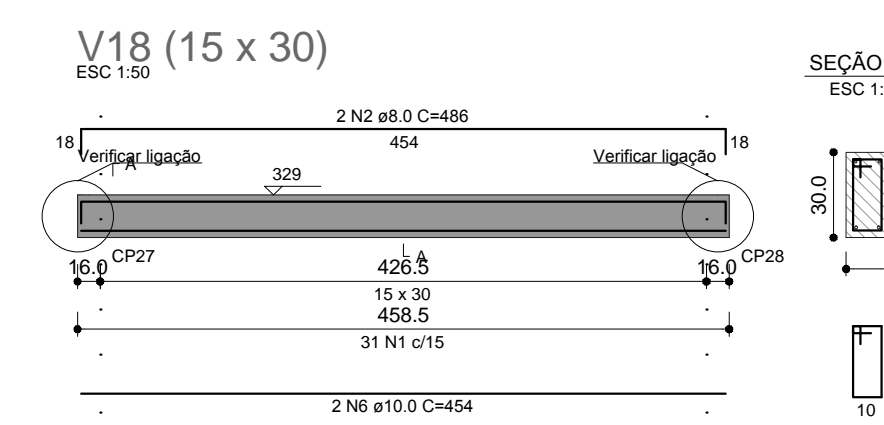
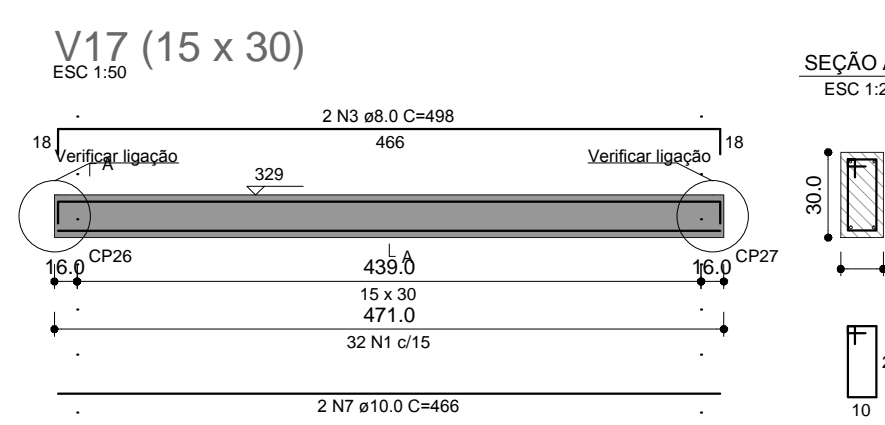
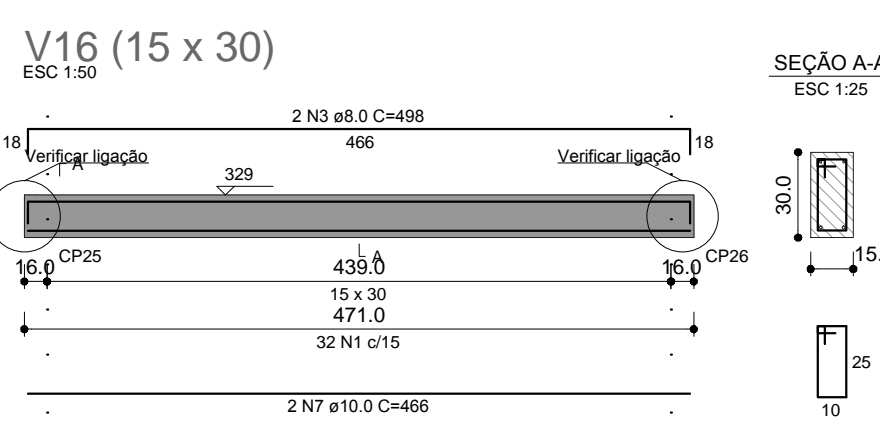
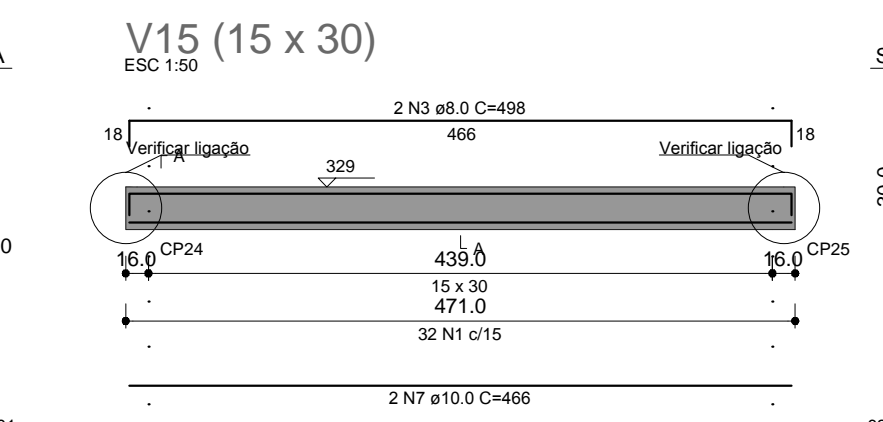
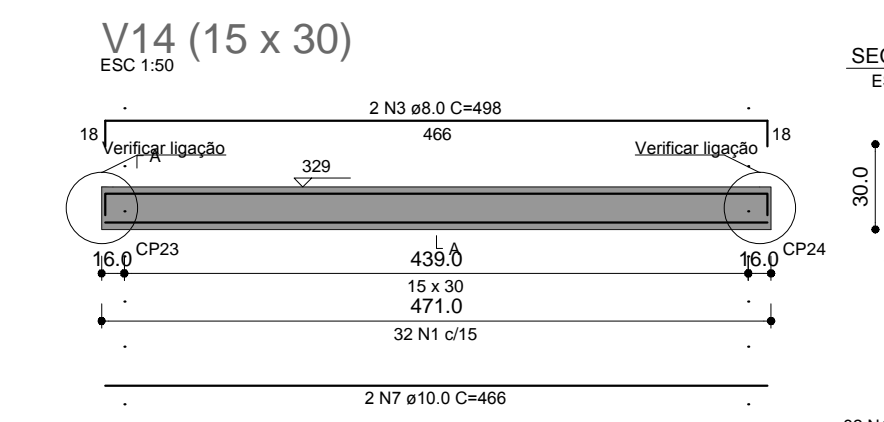
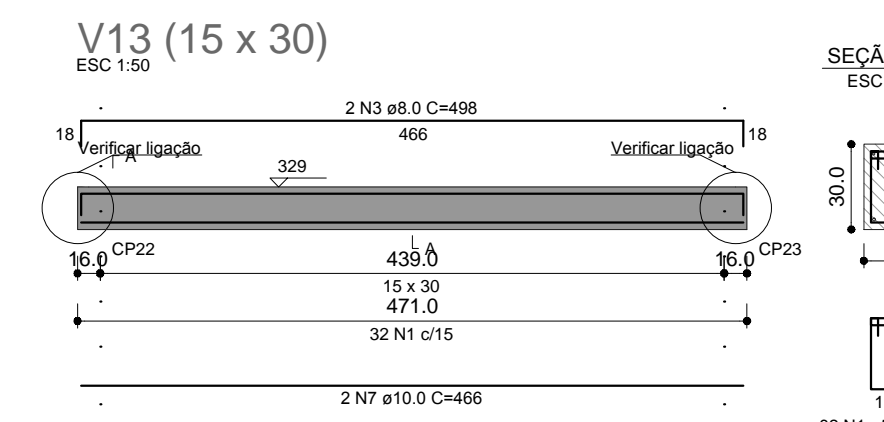
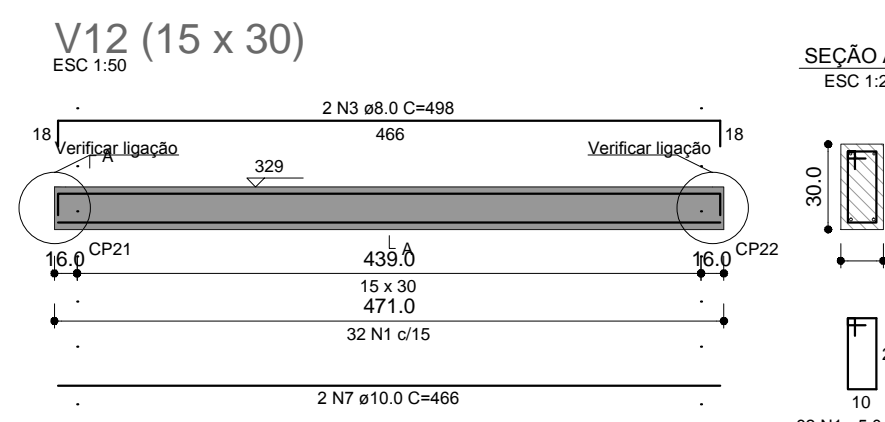
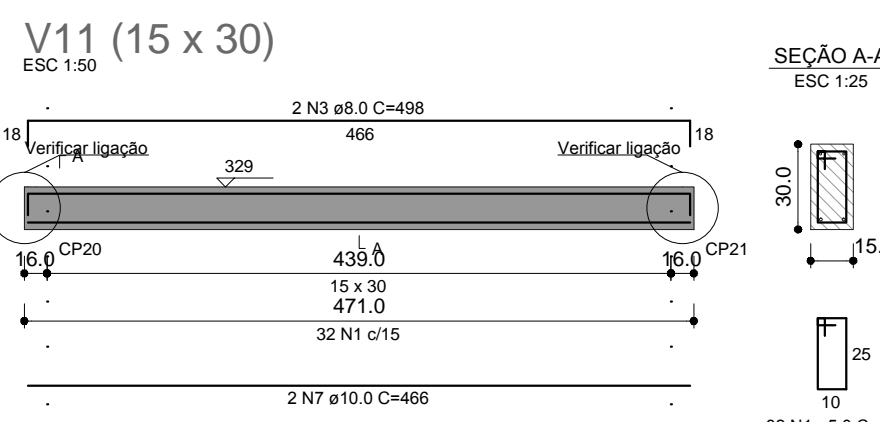
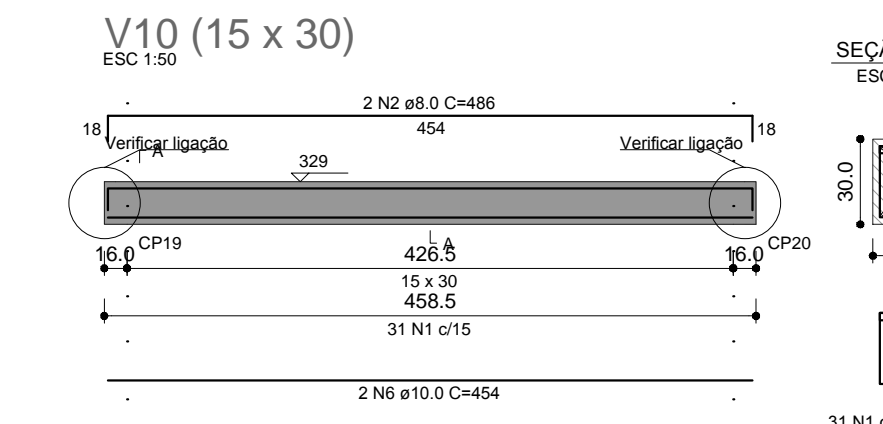
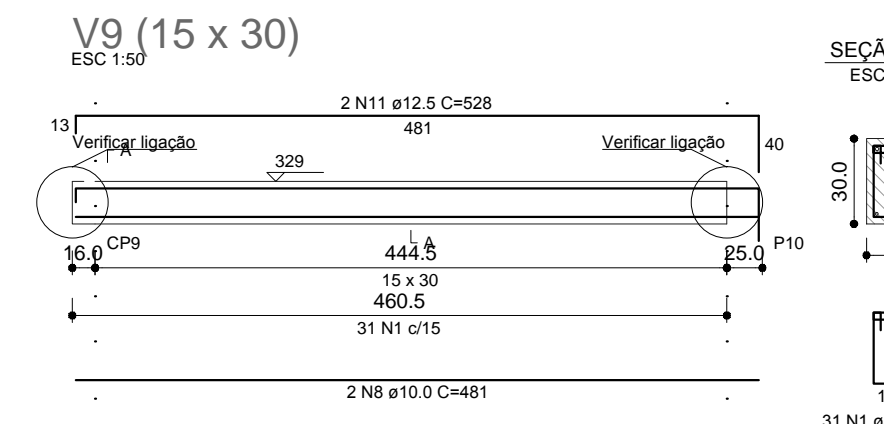
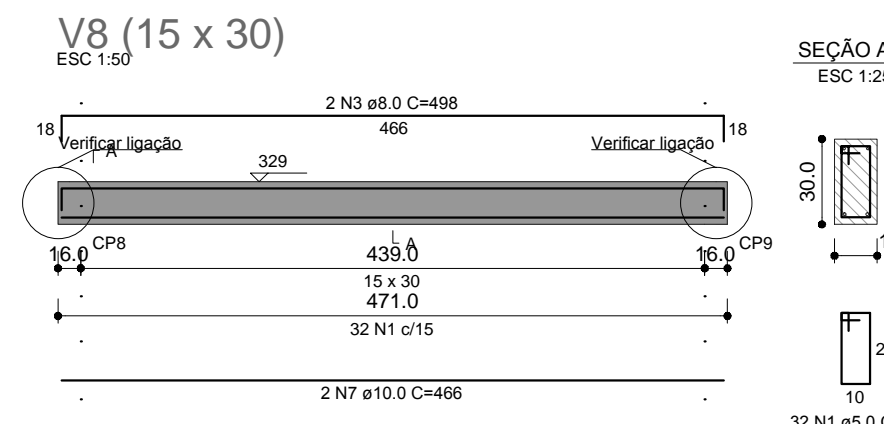
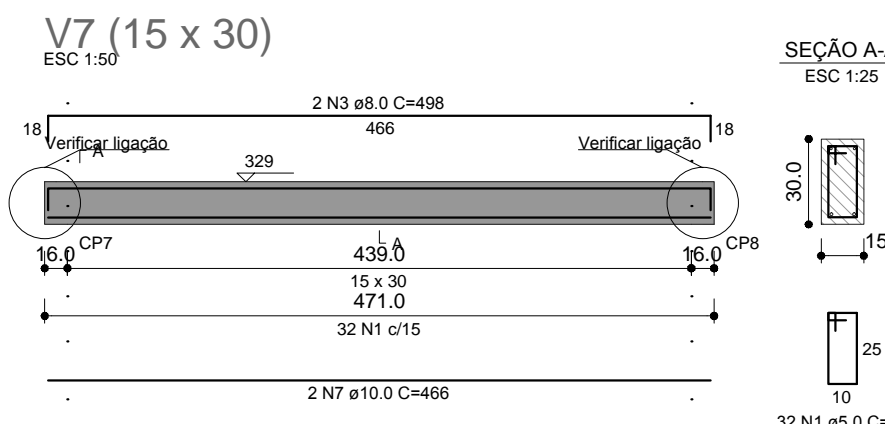
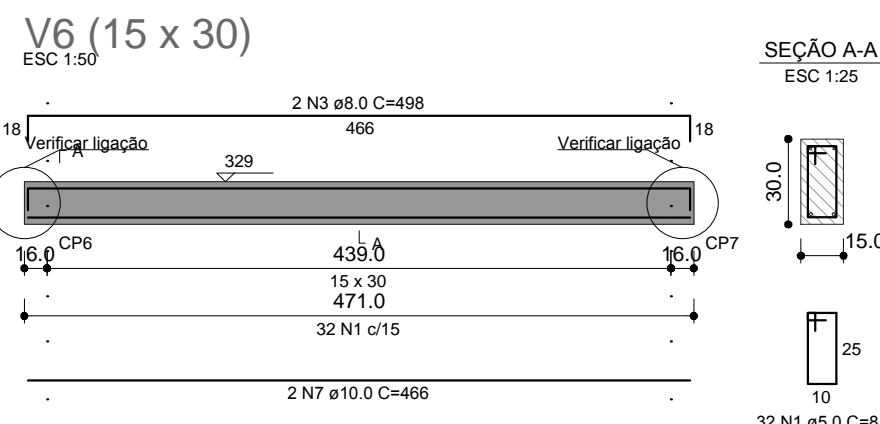
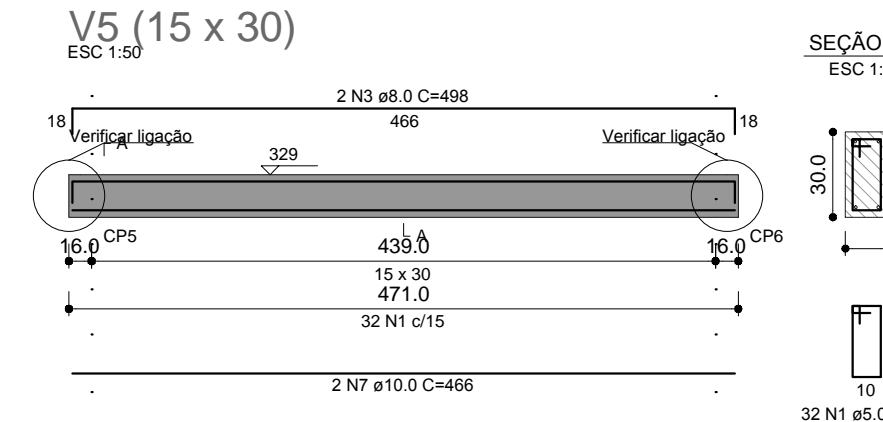
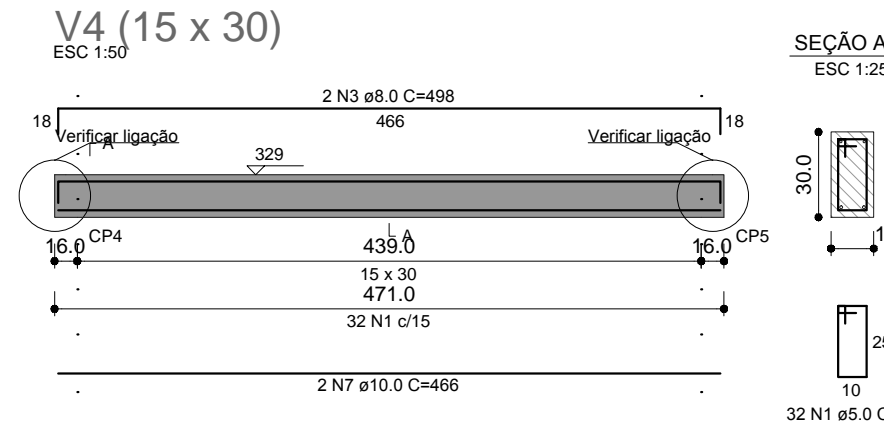
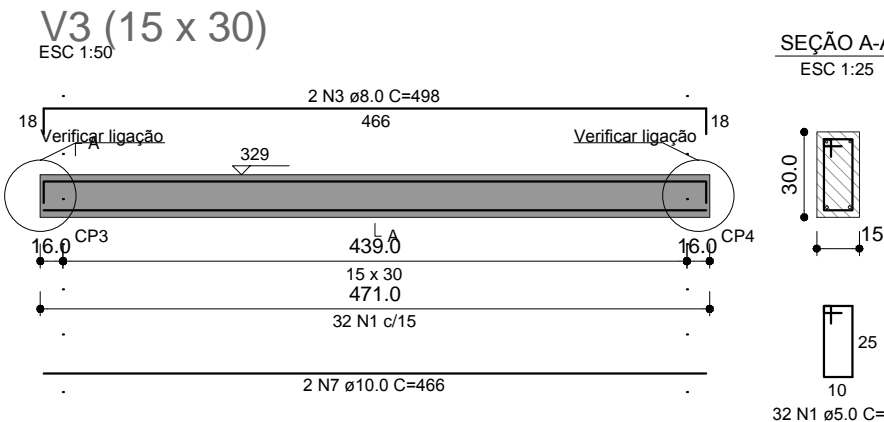
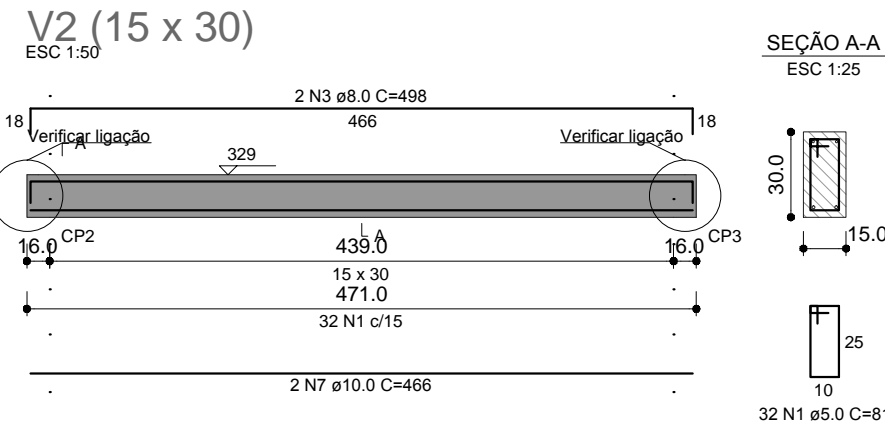
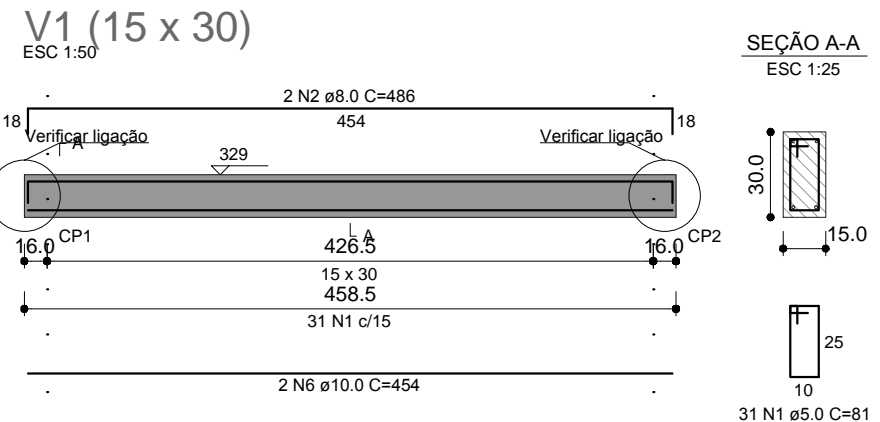


Nº	NOME	COR	PENA
01	PROJ	1.00	1.00
02	PROJ	1.00	1.00
03	PROJ	1.00	1.00
04	PROJ	1.00	1.00
05	PROJ	1.00	1.00
06	PROJ	1.00	1.00
07	PROJ	1.00	1.00
08	PROJ	1.00	1.00
09	PROJ	1.00	1.00
10	PROJ	1.00	1.00
11	PROJ	1.00	1.00
12	PROJ	1.00	1.00
13	PROJ	1.00	1.00
14	PROJ	1.00	1.00
15	PROJ	1.00	1.00
16	PROJ	1.00	1.00
17	PROJ	1.00	1.00
18	PROJ	1.00	1.00
19	PROJ	1.00	1.00
20	PROJ	1.00	1.00
21	PROJ	1.00	1.00
22	PROJ	1.00	1.00
23	PROJ	1.00	1.00
24	PROJ	1.00	1.00
25	PROJ	1.00	1.00
26	PROJ	1.00	1.00
27	PROJ	1.00	1.00
28	PROJ	1.00	1.00
29	PROJ	1.00	1.00
30	PROJ	1.00	1.00
31	PROJ	1.00	1.00
32	PROJ	1.00	1.00
33	PROJ	1.00	1.00
34	PROJ	1.00	1.00
35	PROJ	1.00	1.00
36	PROJ	1.00	1.00
37	PROJ	1.00	1.00
38	PROJ	1.00	1.00
39	PROJ	1.00	1.00
40	PROJ	1.00	1.00
41	PROJ	1.00	1.00
42	PROJ	1.00	1.00
43	PROJ	1.00	1.00
44	PROJ	1.00	1.00
45	PROJ	1.00	1.00
46	PROJ	1.00	1.00
47	PROJ	1.00	1.00
48	PROJ	1.00	1.00
49	PROJ	1.00	1.00
50	PROJ	1.00	1.00
51	PROJ	1.00	1.00
52	PROJ	1.00	1.00
53	PROJ	1.00	1.00
54	PROJ	1.00	1.00
55	PROJ	1.00	1.00
56	PROJ	1.00	1.00
57	PROJ	1.00	1.00
58	PROJ	1.00	1.00
59	PROJ	1.00	1.00
60	PROJ	1.00	1.00
61	PROJ	1.00	1.00
62	PROJ	1.00	1.00
63	PROJ	1.00	1.00
64	PROJ	1.00	1.00
65	PROJ	1.00	1.00
66	PROJ	1.00	1.00
67	PROJ	1.00	1.00
68	PROJ	1.00	1.00
69	PROJ	1.00	1.00
70	PROJ	1.00	1.00
71	PROJ	1.00	1.00
72	PROJ	1.00	1.00
73	PROJ	1.00	1.00
74	PROJ	1.00	1.00
75	PROJ	1.00	1.00
76	PROJ	1.00	1.00
77	PROJ	1.00	1.00
78	PROJ	1.00	1.00
79	PROJ	1.00	1.00
80	PROJ	1.00	1.00
81	PROJ	1.00	1.00
82	PROJ	1.00	1.00
83	PROJ	1.00	1.00
84	PROJ	1.00	1.00
85	PROJ	1.00	1.00
86	PROJ	1.00	1.00
87	PROJ	1.00	1.00
88	PROJ	1.00	1.00
89	PROJ	1.00	1.00
90	PROJ	1.00	1.00
91	PROJ	1.00	1.00
92	PROJ	1.00	1.00
93	PROJ	1.00	1.00
94	PROJ	1.00	1.00
95	PROJ	1.00	1.00
96	PROJ	1.00	1.00
97	PROJ	1.00	1.00
98	PROJ	1.00	1.00
99	PROJ	1.00	1.00
100	PROJ	1.00	1.00

Desenhos



RELAÇÃO DO AÇO

ACO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA50	1	5.0	878	81	71118
CA50	2	8.0	8	486	2916
CA50	3	8.0	28	486	13644
CA50	4	8.0	8	475	3800
CA50	5	8.0	12	488	5856
CA50	6	10.0	8	454	3632
CA50	7	10.0	28	466	13048
CA50	8	10.0	2	481	962
CA50	9	10.0	8	444	3552
CA50	10	10.0	12	456	5472
CA50	11	12.5	2	528	1056

RESUMO DO AÇO

ACO	DIAM (mm)	C.TOTAL (m)	QUANT (Barras)	UNIT	PESO (kg)
CA50	8.0	265.2	23	12 m	194.8
CA50	10.0	257.8	22	12 m	158.9
CA50	12.5	711.2	1	12 m	109.5
PESO TOTAL (kg)					
CA50		273.8			
CA50		109.5			

Volume de concreto (C-30) = 5.9 m³  
Área de forma = 98.25 m²

REVISÕES			
NÚMERO	COMENTÁRIOS	DATA	AUTOR
1			

**PROJETARE**  
engenharia

Marca Registrada - Todos os direitos reservados (NP1 nº 907067911)

CLIENTE/CONTRATANTE:  
**MUNICÍPIO DE FRANCISCO BELTRÃO**

TÍTULO/EMPREENHAMENTO:  
**QUADRA COBERTA NOVO MUNDO**

TIPO DE OBRA/SERVIÇO:  
**EDIFICAÇÃO PARA FINS ESPORTIVOS**

ENDEREÇO:  
**ESTRADA - BAIRRO NOVO MUNDO - L 84F1 - GL 57-FB - FRANCISCO BELTRÃO - PARANA**

DIÂMETROS DA TUBAÇÃO: 841x594mm  
DATA: 7/27/2018  
INDICADA: 19/10/2018

CONTRATO: 41118  
DESENHO: 20184275109  
DISCIPLINA: ESTRUTURAL

CONTEÚDO DA FRANCHA:  
**DETALHAMENTO DE VIGAS - VERGAS DE JANELAS**

CONJUNTO:  
**1/3**

FRANCHA:  
**6/10**

PROJETARE ENGENHARIA LTDA  
SÉRGIO V. GALVÃO JUNIOR  
ENG. CIVIL - CREA PR-7420/D  
RESP. TÉCNICO COORDENAÇÃO

SÉRGIO V. GALVÃO JUNIOR  
ENG. CIVIL - CREA PR-7420/D  
RESP. TÉCNICO PROJETO

1. O contrato para elaboração de um projeto não implica a obrigação de executá-lo, ou de fiscalizá-lo a execução. [Lei 10.406/02 Cap. VIII Art. 610 §2º]  
2. Os direitos de autoria de um projeto, respeitadas as relações contratuais, são do profissional que os elabora. [Lei 5.194/66 Cap. II Art. 17]