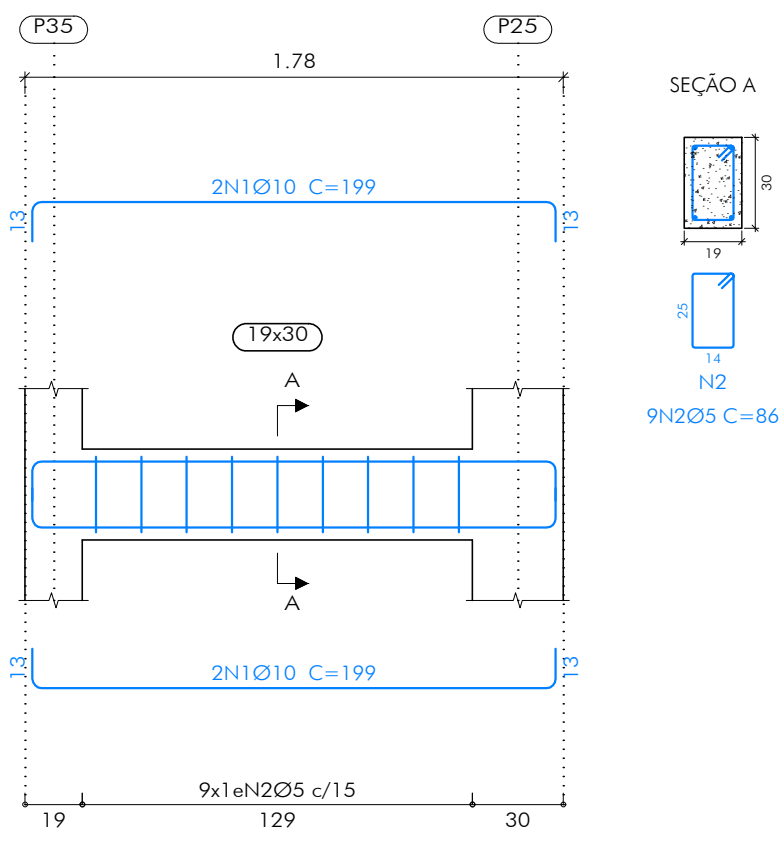


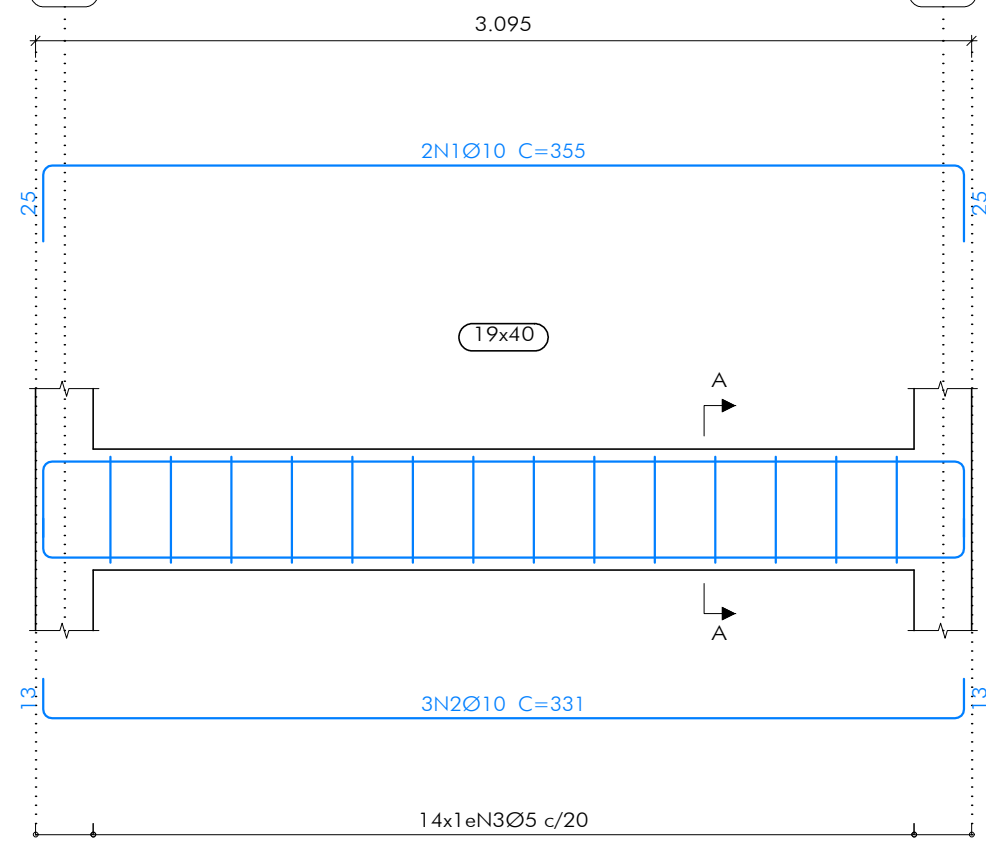
DETALHAMENTO VIGA - ESCADA INICIAL
NÍVEL -0,03 M

01 V1
ESCALA 1:25



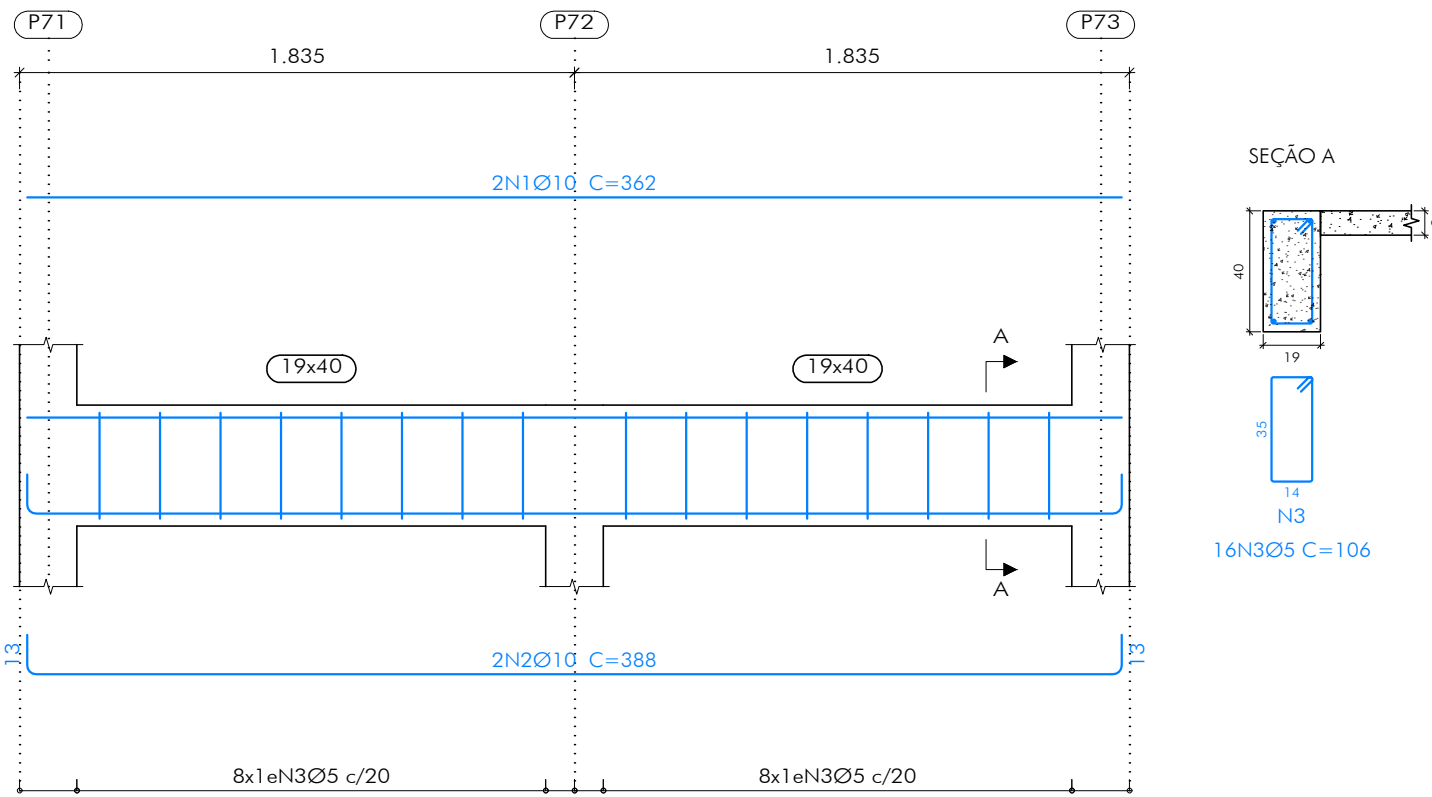
DETALHAMENTO VIGA - MÉDIA ESCADA
NÍVEL +1,47M

02 V1
ESCALA 1:25

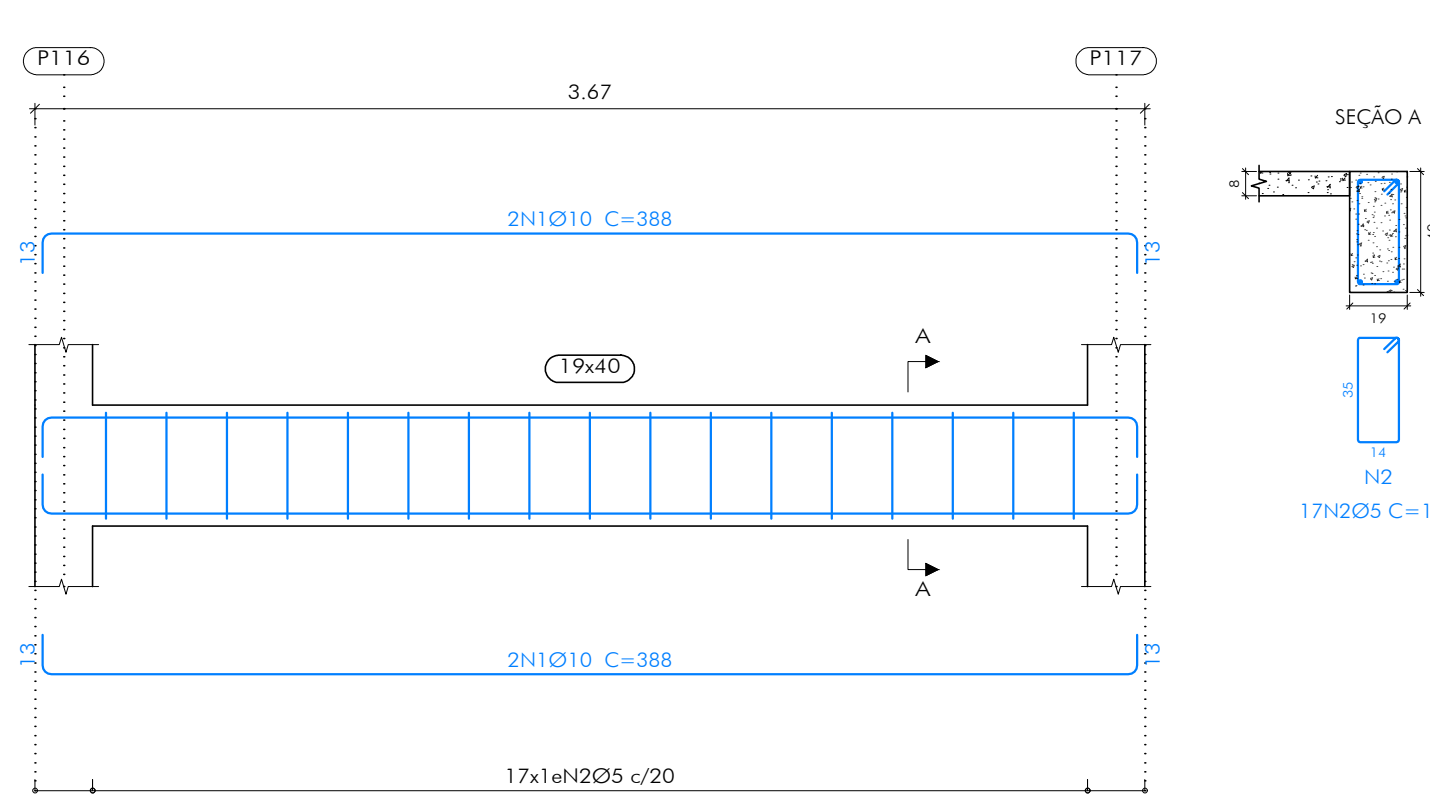


DETALHAMENTO VIGA - RAMPA
NÍVEL +1,75M

03 V1
ESCALA 1:25

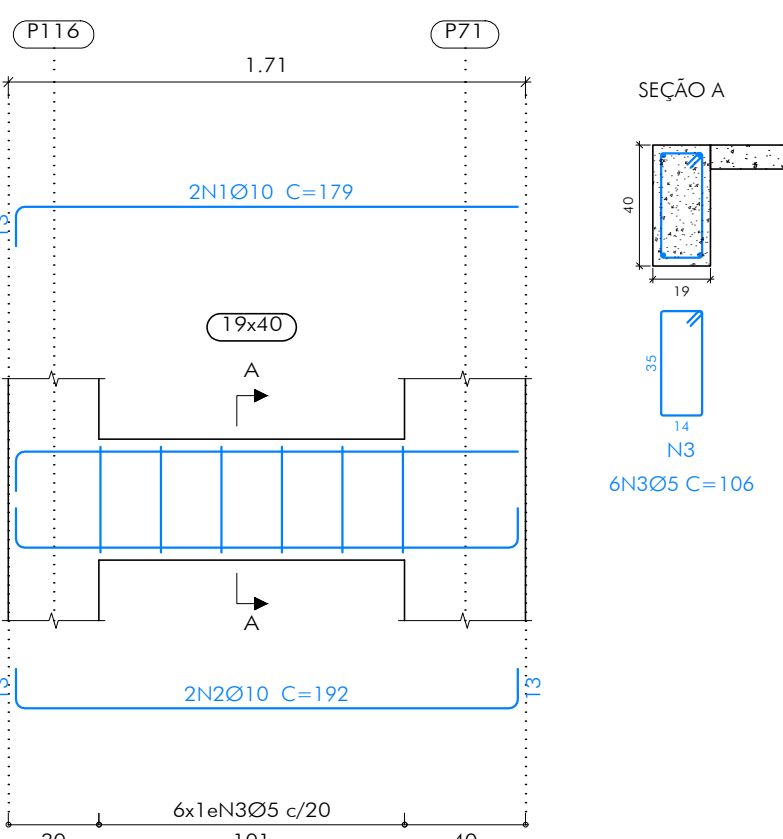


04 V2
ESCALA 1:25

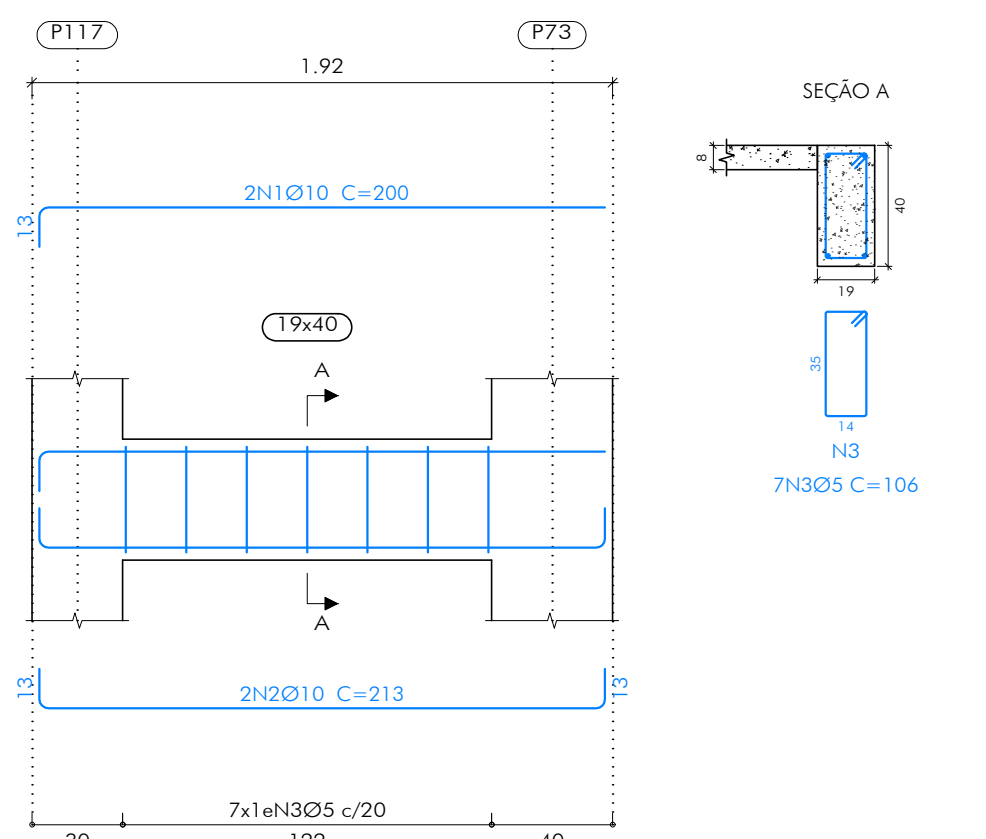


DETALHAMENTO VIGA - RAMPA 2
NÍVEL +2,30M

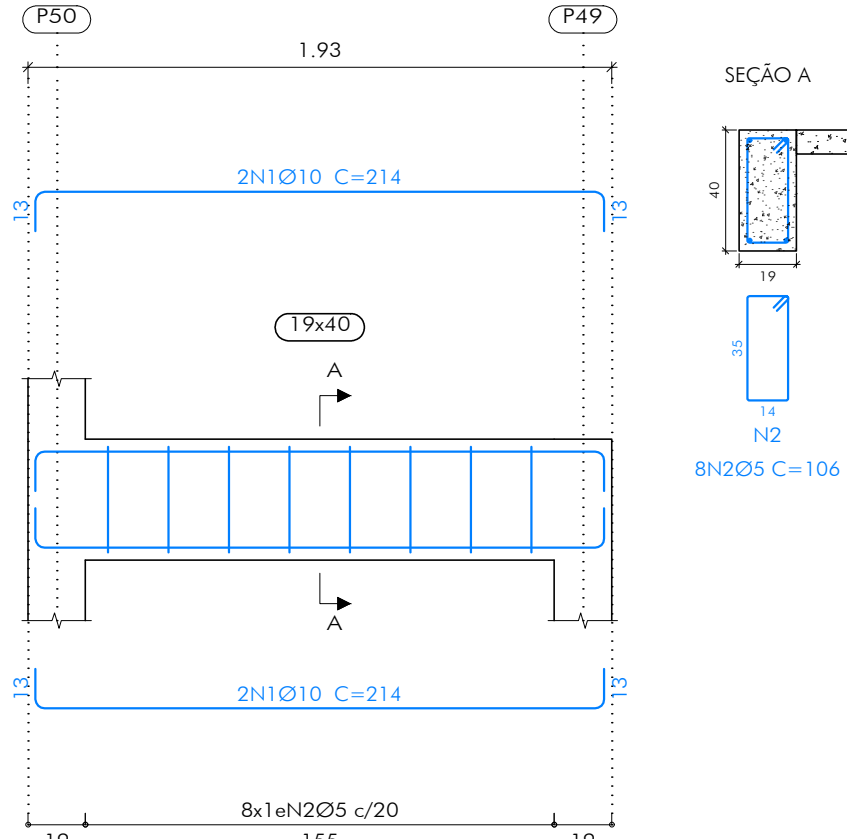
05 V3
ESCALA 1:25



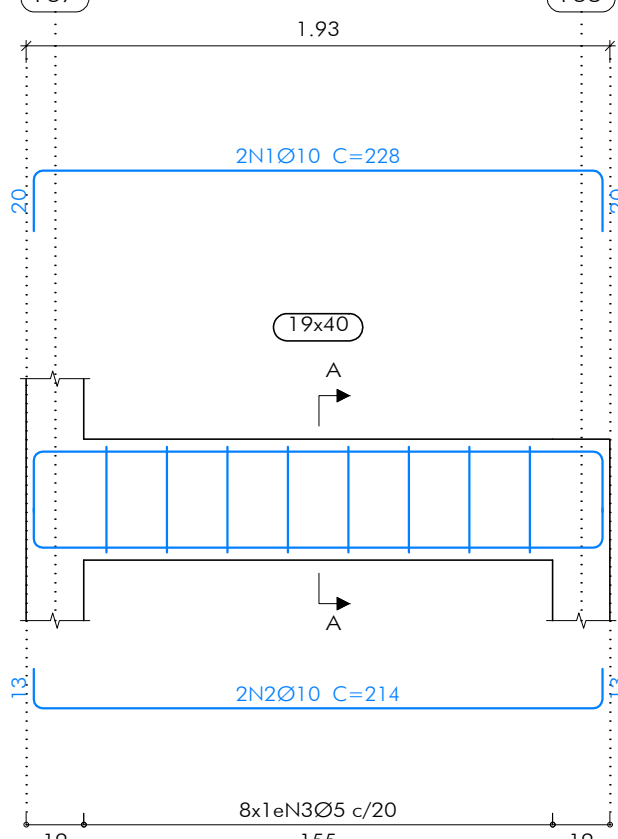
06 V4
ESCALA 1:25



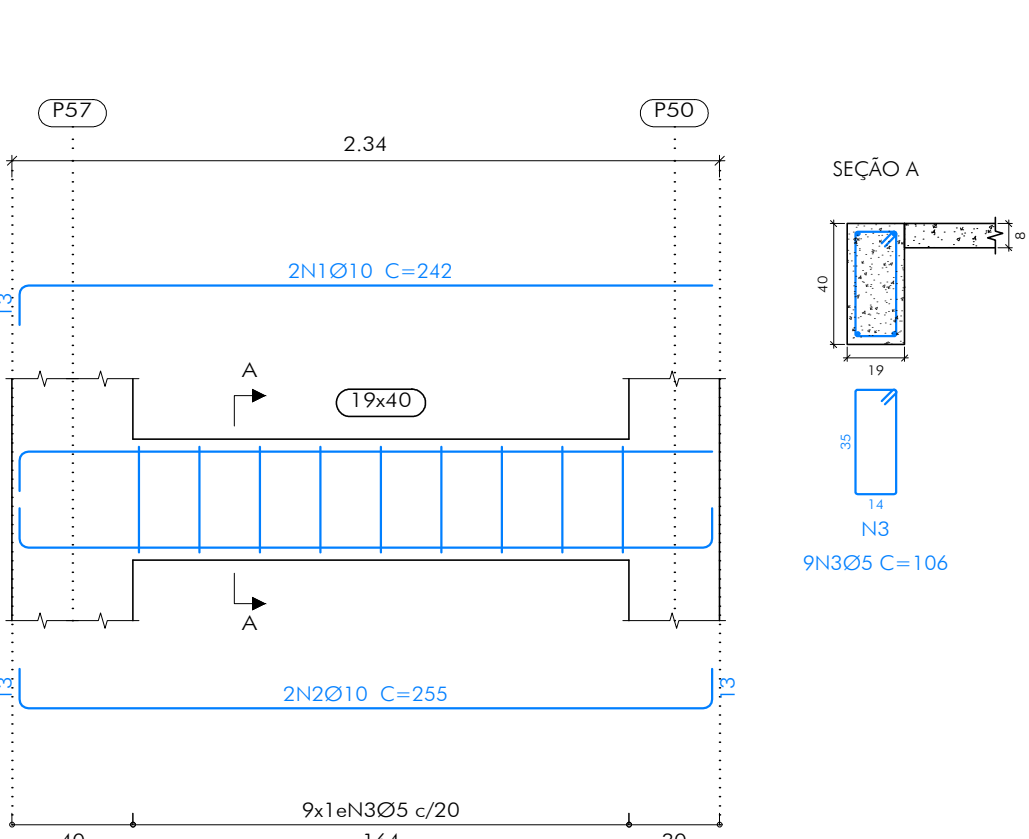
07 V1
ESCALA 1:25



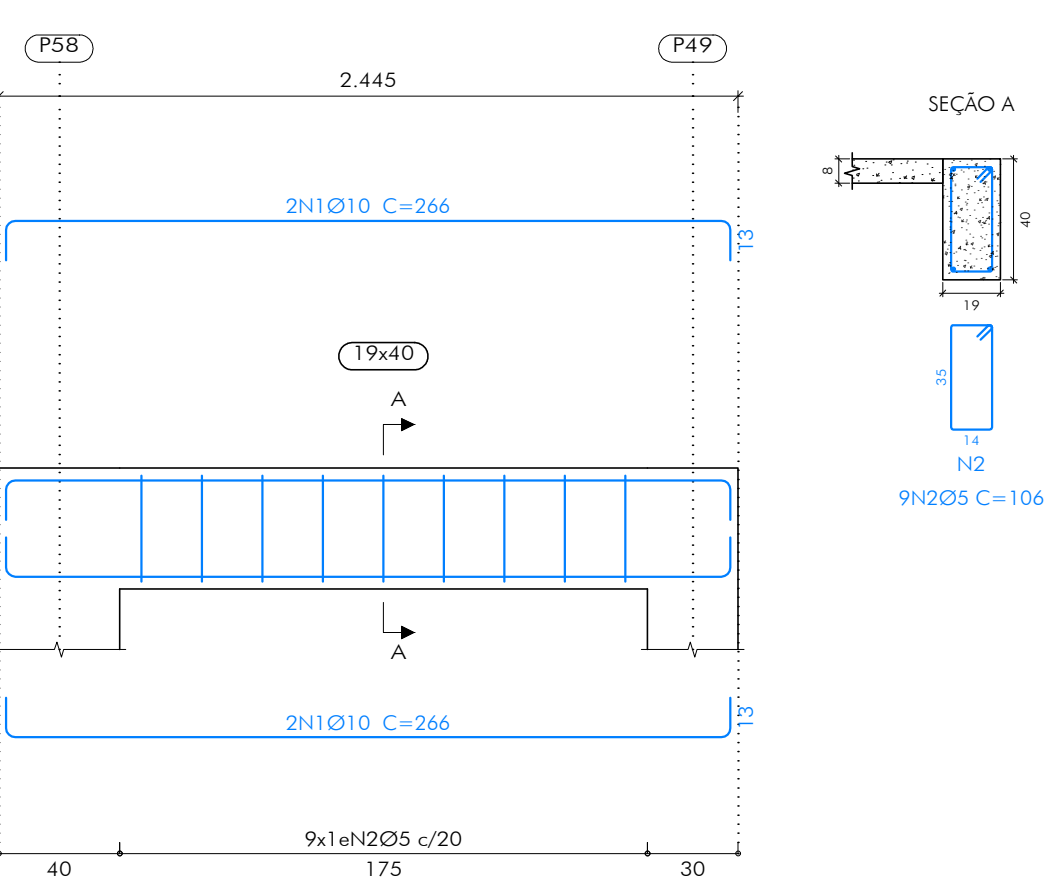
08 V2
ESCALA 1:25



09 V3
ESCALA 1:25



10 V4
ESCALA 1:25



11 QUADRO RESUMO - VIGAS
ESCALA 1:25
ESCALA INICIAL

ELEMENTO	POS.	DIAM.	Q.	ESQUEMA (CM)	COMP. (CM)	TOTAL (CM)	CA-50 (KG)	CA-60 (KG)
V 1	1	Ø10	4		199	796	4.9	
	2	Ø5	9		86	774		1.2
	TOTAL+10%:				5.4	1.3		

14 QUADRO RESUMO - VIGAS
ESCALA 1:25
MÉDIA ESCADA

ELEMENTO	POS.	DIAM.	Q.	ESQUEMA (CM)	COMP. (CM)	TOTAL (CM)	CA-50 (KG)	CA-60 (KG)
V 1	1	Ø10	2		355	710	4.4	
	2	Ø10	3		331	993	6.1	
	3	Ø5	14		106	1484		2.3
TOTAL+10%:					11.6	2.5		

12 QUADRO RESUMO - VIGAS
ESCALA 1:25
RAMPA

ELEMENTO	POS.	DIAM.	Q.	ESQUEMA (CM)	COMP. (CM)	TOTAL (CM)	CA-50 (KG)	CA-60 (KG)
V 1	1	Ø10	2		362	724	4.5	
	2	Ø10	2		388	776	4.8	
	3	Ø5	16		106	1696		2.7
TOTAL+10%:					10.2	3.0		
V 2	1	Ø10	4		388	1552	9.6	
	2	Ø5	17		106	1802		2.8
	TOTAL+10%:				10.6	3.1		
V 3	1	Ø10	2		166	179	358	2.2
	2	Ø10	2		192	384	2.4	
	3	Ø5	6		106	636		1.0
TOTAL+10%:					5.1	1.1		
V 4	1	Ø10	2		187	200	400	2.5
	2	Ø10	2		213	426	2.6	
	3	Ø5	7		106	742		1.2
TOTAL+10%:					5.6	1.3		

13 QUADRO RESUMO - VIGAS
ESCALA 1:25
RAMPA

ELEMENTO	POS.	DIAM.	Q.	ESQUEMA (CM)	COMP. (CM)	TOTAL (CM)	CA-50 (KG)	CA-60 (KG)
V 1	1	Ø10	4		214	856	5.3	
	2	Ø5	8		106	848		1.3
	TOTAL+10%:				5.8	1.4		
V 2	1	Ø10	2		228	456	2.8	
	2	Ø10	2		214	428	2.6	
	3	Ø5	8		106	848		1.3
TOTAL+10%:					5.9	1.4		
V 3	1	Ø10	2		242	484	3.0	
	2	Ø10	2		255	510	3.1	
	3	Ø5	9		106	954		1.5
TOTAL+10%:					6.7	1.7		
V 4	1	Ø10	4		266	1064	6.6	
	2	Ø5	9		106	954		1.5
	TOTAL+10%:				7.3	1.7		

QUADRO REVISÕES:

REVISÃO	REFERÊNCIA	DESCRIÇÃO	DATA	APROVAÇÃO
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
32				
33				
34				
35				
36				
37				
38				
39				
40				
41				
42				
43				
44				
45				
46				
47				
48				
49				
50				
51				
52				
53				
54				
55				
56				
57				
58				
59				
60				
61				
62				
63				
64				
65				
66				
67				
68				
69				
70				
71				
72				
73				
74				
75				
76				
77				
78				
79				
80				
81				
82				
83				
84				
85				
86				
87				
88				
89				
90				
91				
92				
93				
94				
95				
96				
97				
98				
99				
100				

ANCORAGEM:

COMP. ANCORAGEM RETA E COM GANCHO	DIAM.	DIAM.	DIAM.
Fck=25,0MPa	5.0	21.0	9+(5)
DIAM.	6.3	28.1	11.5+(5)
DIAM.	8.0	35.1	14.5+(5)
DIAM.	10.0	42.1	18+(5)
DIAM.	12.5	56.1	22+(5)
DIAM.	16.0	70.1	29+(5)
DIAM.	20.0	84.2	49+(5)

CONSUMOS:

CONCRETO USINADO	RESISTÊNCIA	Fck (MPa)
C25	25	49.34M³
VOLUME DE CONCRETO		300KG/M³
CONSUMO MÍNIMO CIMENTO		0,60
FATOR ÁGUA/CIMENTO		10+/-2
SLUMP		

ACO (ACO CA-50/CA-60)	DIAM.	DIAM.	DIAM.
5.0	4208	351	648
6.3	169	15	41
8.0	19	2	8
10.0	1682	141	1038
12.5	1670	140	1608
16.0	237	20	374
CONCRETO: 49.34M³			
FORMAS: 492.41M²			

LEGENDA:

