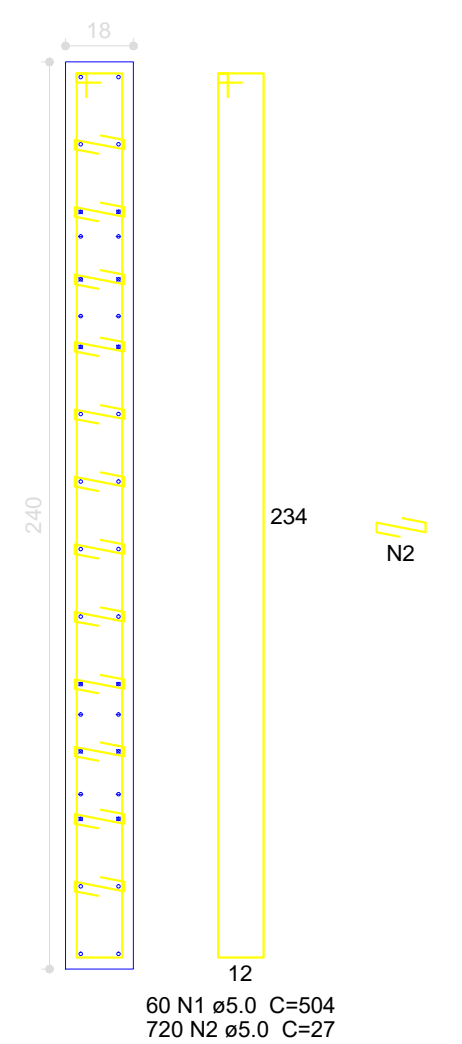
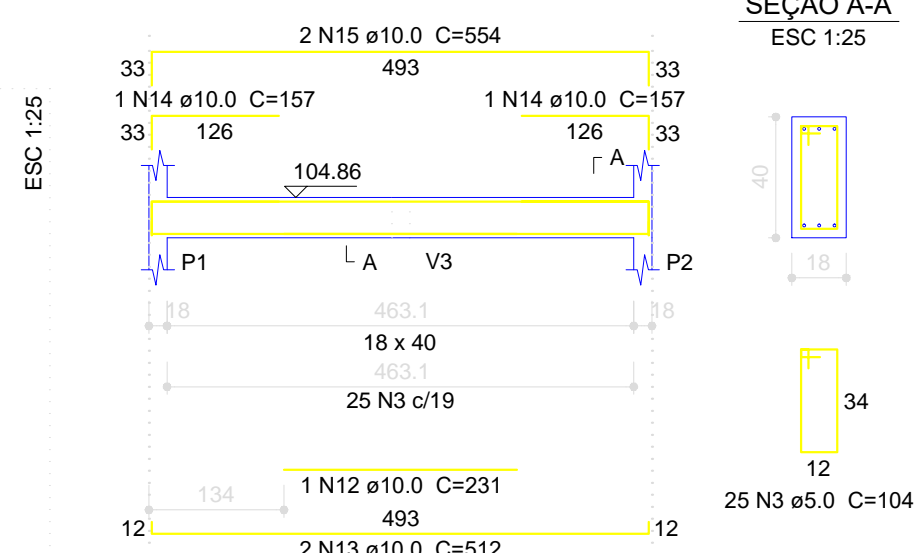


P1=P2

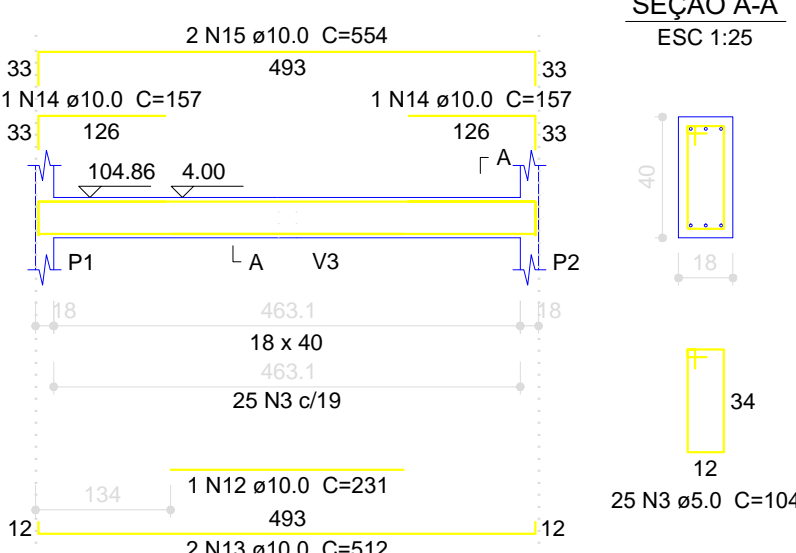
PAVIMENTO 1 - L2  
ESC 1:20



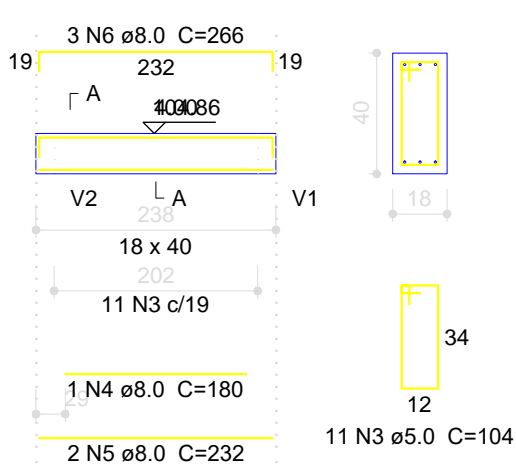
V1  
ESC 1:75



V2  
ESC 1:75



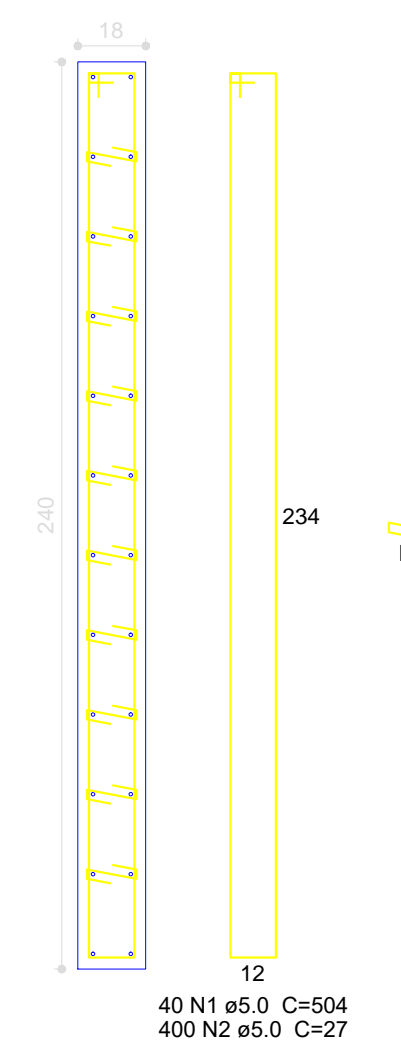
V3  
ESC 1:75



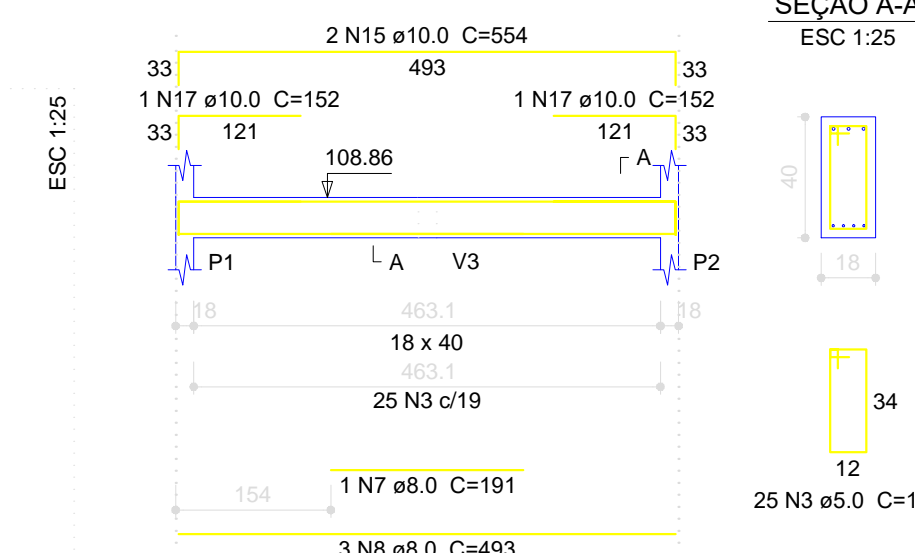
SEÇÃO A-A  
ESC 1:25

P1=P2

PAVIMENTO 2 - L3  
ESC 1:20



V1  
ESC 1:75



### Relação do aço

PAVIMENTO	TIPO	ESCALA	VIGAS
Pavimento 1:	2xP1	V1	V3
Pavimento 2:	2xP1	V1	V3
Pavimento 3:	2xP1	V1	V3

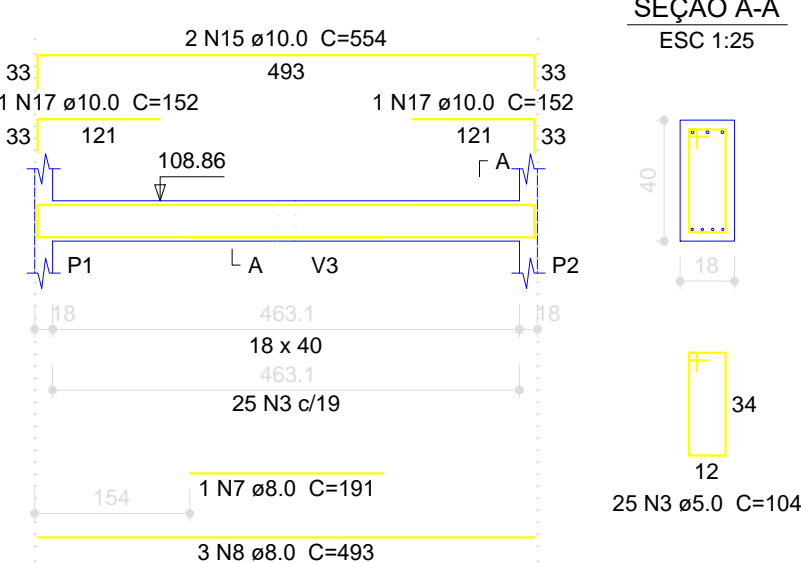
ACO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	280	504	141120
	2	5.0	3040	27	82080
CA50	3	5.0	183	104	19032
	4	8.0	3	180	540
	5	8.0	6	232	1392
	6	8.0	9	266	2394
	7	8.0	4	191	764
	8	8.0	12	493	5916
	9	10.0	24	597	14328
	10	10.0	16	67	1072
	11	10.0	32	633	20256
	12	10.0	2	231	462
13	10.0	4	512	2048	
14	10.0	4	157	628	
15	10.0	12	554	6648	
16	10.0	96	433	41568	
17	10.0	8	152	1216	

### Resumo do aço

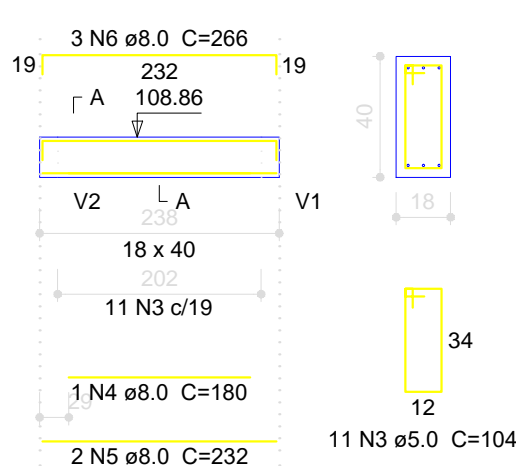
ACO	DIAM (mm)	C.TOTAL (m)	PESO = 10 % (kg)
CA50	8.0	110.1	47.8
CA60	5.0	882.3	598.3
PESO TOTAL (kg)			410.7
CA50	646.1		
CA60	410.7		

Volume de concreto (C-30) = 14,77 m³  
Área de forma = 180,82 m²

V2  
ESC 1:75

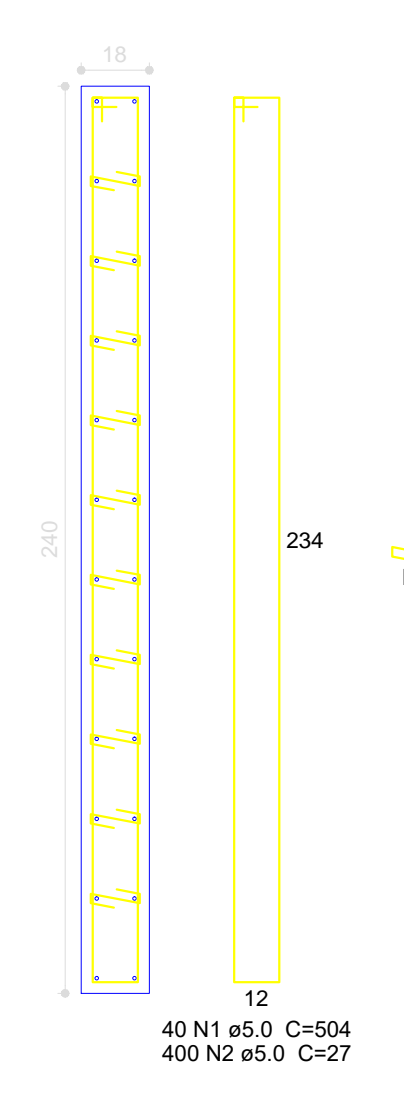


V3  
ESC 1:75

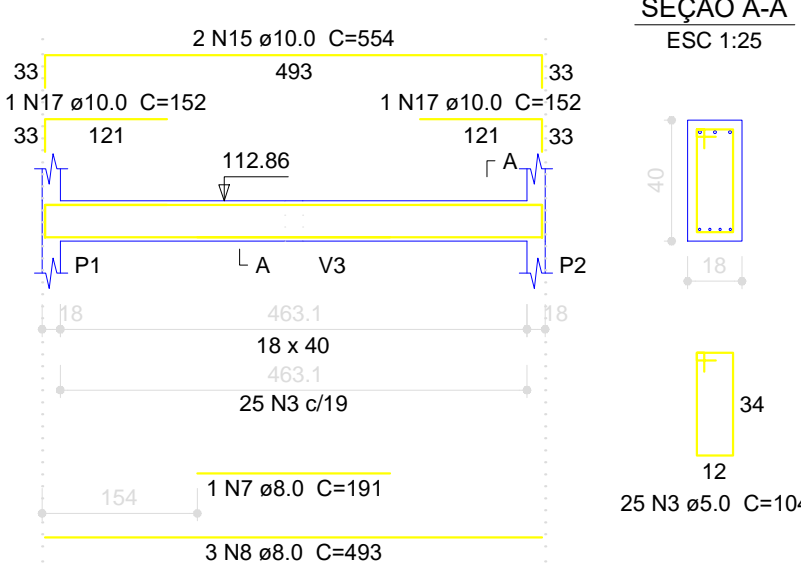


P1=P2

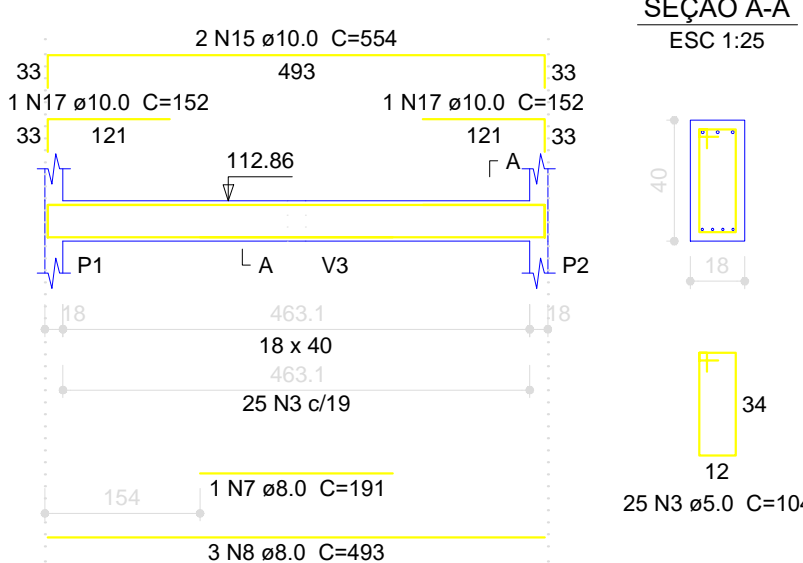
PAVIMENTO 3 - L4  
ESC 1:20



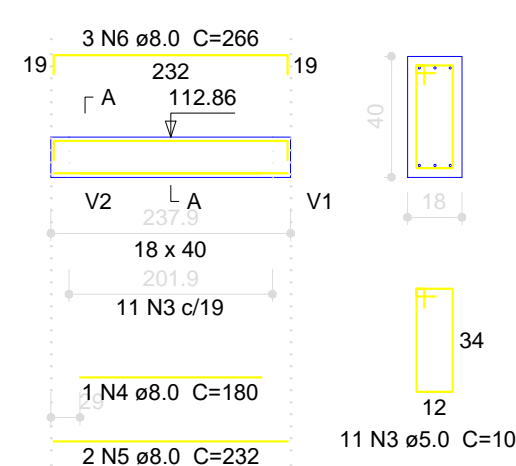
V1  
ESC 1:75



V2  
ESC 1:75



V3  
ESC 1:75



REV.	DATA	L. MARCIO	REVISÃO
001	OUT 2015	L. MARCIO	REVISÃO

EMPRESA PROJETISTA  
**Eng. L & M Silveira Engenharia Ltda.**  
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 Franca-SP

LOCAL Av. Dr. Ismael Alonso & Alonso, 2400  
Franca-SP

PROJETO ANEXO DA UNIDADE II DO  
UNI-FACEF

FASE EXECUTIVO

CONTEUDO  
CAIXA DO ELEVADOR  
ARMAÇÃO DE VIGAS E PILARES

COORDENADOR R.G.  
ENG. CIVIL LUIZ MARCIO SILVEIRA 6.480.046

EQUIPE TÉCNICA:  
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DESENHO Luiz Márcio ESCALAS  
INDICADAS

DATA JUNHO/2015 VISTO

APROVAÇÃO FOLHA

**CXE 03**  
**04**