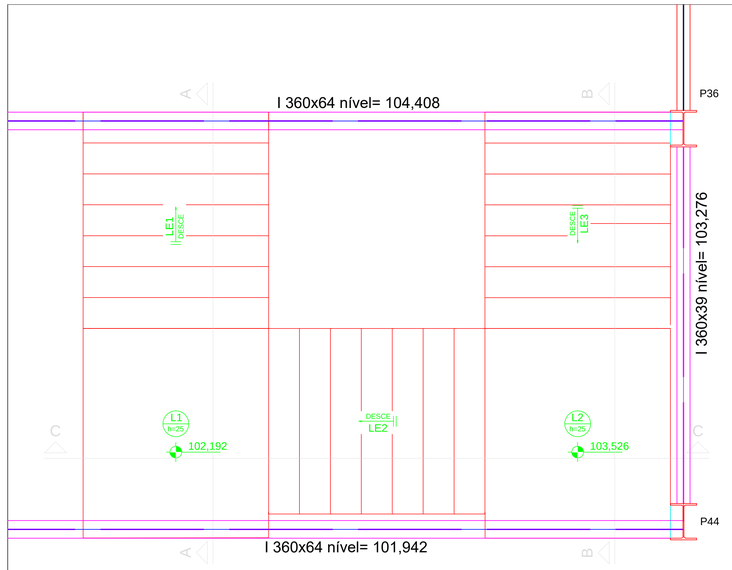
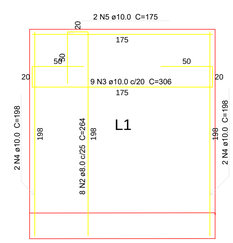
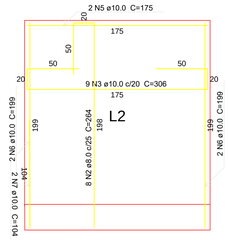


Armação positiva da escada E2
escala 1:25





Relação do aço

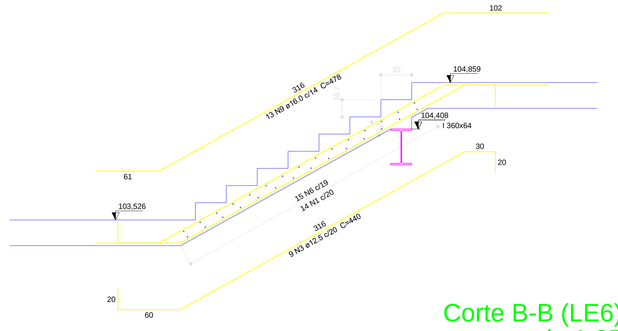
LL1
L2

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA50	2	8.0	16	264	4224
	3	10.0	18	306	5508
	4	10.0	4	198	792
	5	10.0	4	175	700
	6	10.0	4	199	796
	7	10.0	2	104	208

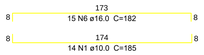
Resumo do aço

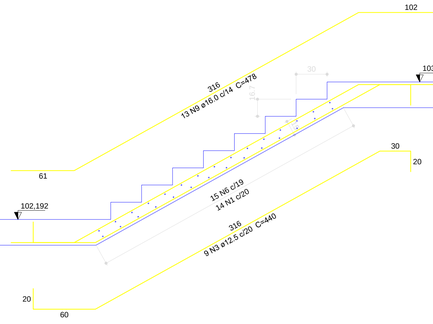
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	8.0	42.3	18.3
	10.0	80.1	54.3
PESO TOTAL (kg)			
CA50	72.6		

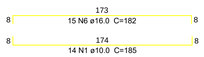
Volume de concreto (C-30) = 0.82 m³
Área de forma = 9.02 m²



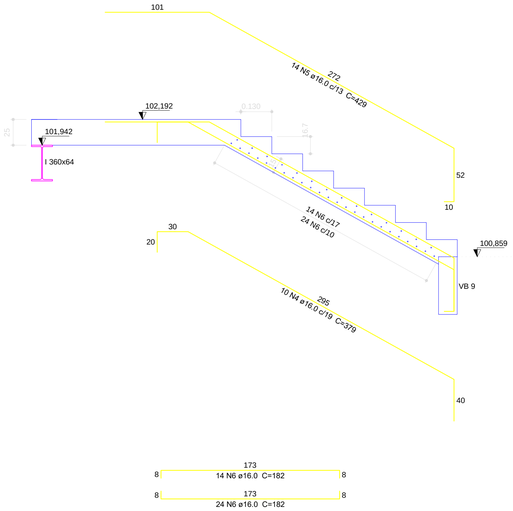
Corte B-B (LE6)
escala 1:25







Corte C-C (LE7)
escala 1:25



Corte A-A (LE4)
escala 1:25

Relação do aço

LE1
LE2
LE3

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA50	1	10.0	14	185	2590
	2	12.5	14	184	2576
	3	12.5	9	440	3960
	4	16.0	10	379	3790
	5	16.0	14	429	6006
	6	16.0	72	182	13104
	7	16.0	17	426	7242
	8	16.0	12	394	4728
	9	16.0	13	478	6214

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	10.0	25.9	17.6
	12.5	65.4	69.3
	16.0	410.9	713.3
PESO TOTAL (kg)			
CA50	800.1		

Volume de concreto (C-30) = 3.21 m³
Área de forma = 27.68 m²

REV.	DATA	NOME	DESCRIÇÃO

EMPRESA PROJETISTA

L & M Silveira Engenharia Ltda.
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Email:lmsilveira.engenharia@gmail.com

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

PROJETO ANEXO DA UNIDADE II DO UNI-FACEF

FASE EXECUTIVO

CONTEÚDO
Escada E2
Armadura do 1º pavimento

COORDENADOR — R.G.
ENG. CIVIL LUIZ MÁRCIO SILVEIRA — 6.490.046

EQUIPE TÉCNICA:
ENG. CIVIL LUIZ MÁRCIO SILVEIRA — CREA 060060852

DESENHO: Luiz Márcio	ESCALA: Indicadas
DATA: JUNHO/2015	VISTO:
APROVAÇÃO:	FOLHA: ESC 02/06