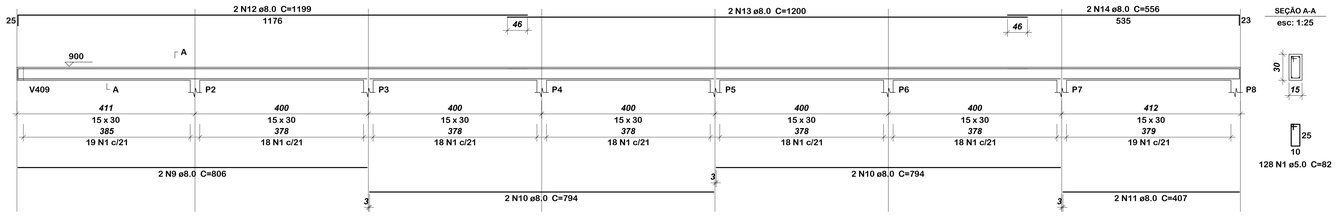
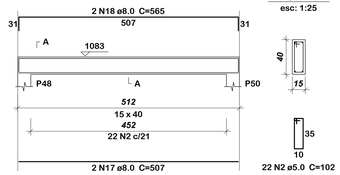
V401 (15 x 30)
esc: 1:50



SEÇÃO A-A
esc: 1:25

128 N1 ø5.0 C=82

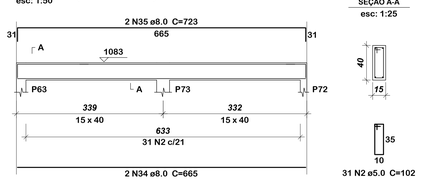
V405 (15 x 40)
esc: 1:50



SEÇÃO A-A
esc: 1:25

22 N2 ø5.0 C=102

V410 (15 x 40)
esc: 1:50



SEÇÃO A-A
esc: 1:25

31 N2 ø5.0 C=102

Relação do aço
Vigas e Pilares da Platibanda

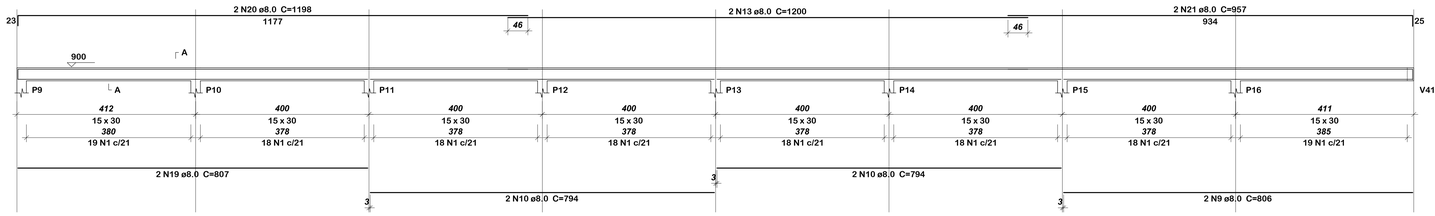
AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	829	82	67978
	2	5.0	137	102	13974
	3	5.0	30	62	1860
	4	5.0	185	220	40700
	5	5.0	704	32	22528
	6	5.0	18	32	576
	7	5.0	82	66	5412
	8	5.0	202	80	16160
CA50	9	8.0	6	806	4836
	10	8.0	12	794	9528
	11	8.0	2	407	814
	12	8.0	2	1199	2398
	13	8.0	8	1200	9600
	14	8.0	2	556	1112
	15	8.0	4	394	1476
	16	8.0	4	502	2008
	17	8.0	4	507	2028
	18	8.0	4	565	2260
	19	8.0	2	807	1614
	20	8.0	6	1198	7188
	21	8.0	2	957	1914
	22	8.0	2	864	1728
	23	8.0	2	211	422
	24	8.0	4	657	2628
	25	8.0	4	717	2868
	26	8.0	2	1198	2396
	27	8.0	2	298	596
	28	8.0	2	343	686
	29	8.0	2	394	788
	30	8.0	2	809	1618
	31	8.0	2	406	812
	32	8.0	2	1198	2396
	33	8.0	2	475	950
	34	8.0	4	665	2660
	35	8.0	4	723	2892
	36	8.0	2	277	554
	37	10.0	266	127	33782
	38	10.0	44	310	13640
	39	10.0	4	272	1088
	40	12.5	14	127	1778

Resumo do aço

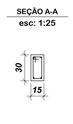
AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	8.0	704.7	278.1
	10.0	485.1	299.1
	12.5	17.8	17.1
CA60	5.0	1691.9	260.8

PESO TOTAL (kg)	
CA50	594.3
CA60	260.8

V402 (15 x 30)
esc: 1:50

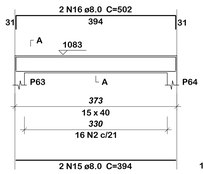


SEÇÃO A-A
esc: 1:25

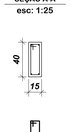


146 N1 ø5.0 C=82

V407 (15 x 40)
esc: 1:50

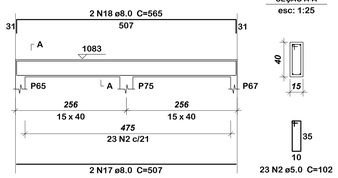


SEÇÃO A-A
esc: 1:25



16 N2 ø5.0 C=102

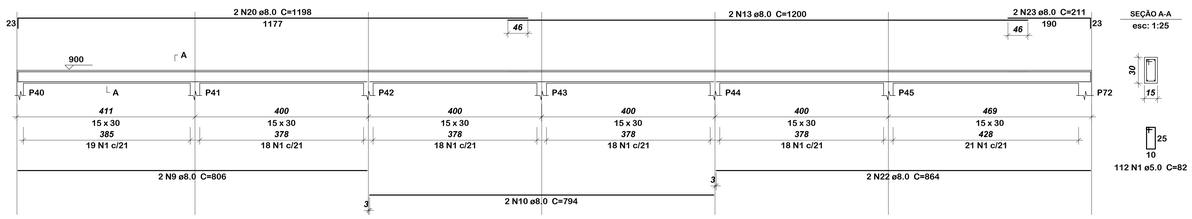
V408 (15 x 40)
esc: 1:50



SEÇÃO A-A
esc: 1:25

23 N2 ø5.0 C=102

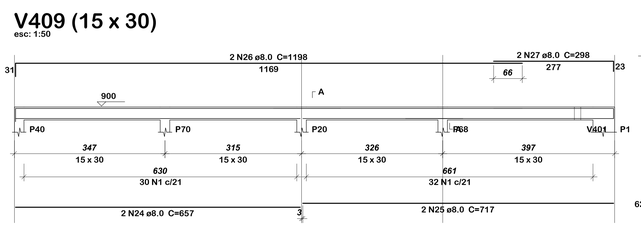
V403 (15 x 30)
esc: 1:50



SEÇÃO A-A
esc: 1:25

112 N1 ø5.0 C=82

V409 (15 x 30)
esc: 1:50

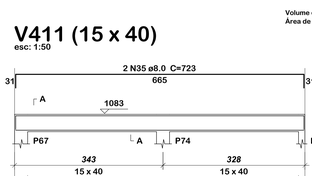


SEÇÃO A-A
esc: 1:25



62 N1 ø5.0 C=82

V411 (15 x 40)
esc: 1:50



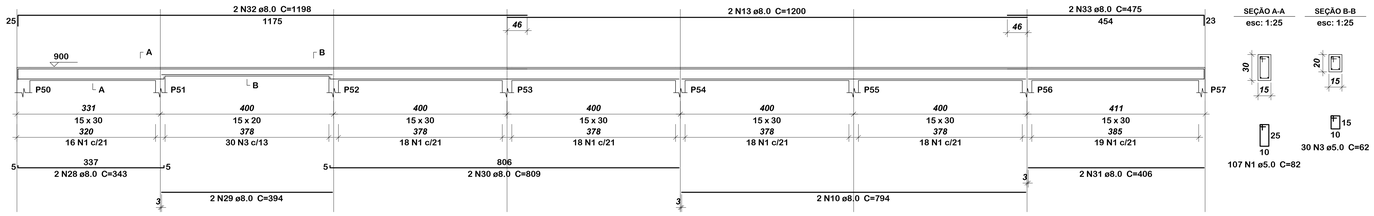
SEÇÃO A-A
esc: 1:25



30 N2 ø5.0 C=102

Volume de concreto (C-20) = 15.2 m³
Área de forma = 235.16 m²

V406 (var)
esc: 1:50



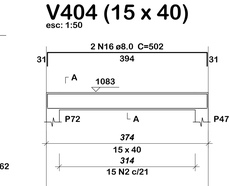
SEÇÃO A-A
esc: 1:25

SEÇÃO B-B
esc: 1:25

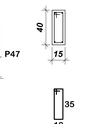
30 N3 ø5.0 C=62

107 N1 ø5.0 C=82

V404 (15 x 40)
esc: 1:50

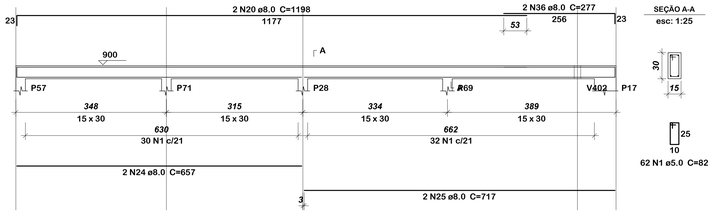


SEÇÃO A-A
esc: 1:25



15 N2 ø5.0 C=102

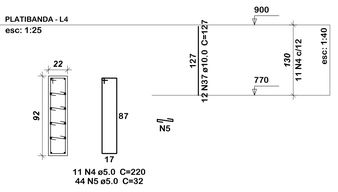
V412 (15 x 30)
esc: 1:50



SEÇÃO A-A
esc: 1:25

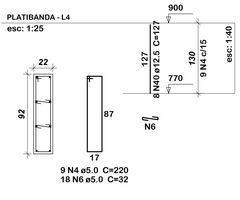
62 N1 ø5.0 C=82

P1=P2=P3=P4=P5=P6=P7=P8=P9=P11=P12=P13 =P14=P15=P16=P17



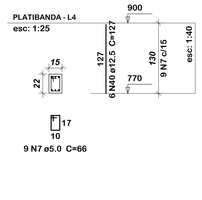
11 N4 ø5.0 C=220
44 N5 ø5.0 C=32

P10



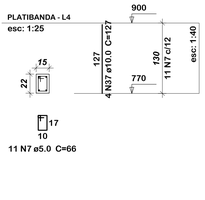
9 N4 ø5.0 C=220
18 N6 ø5.0 C=32

P20



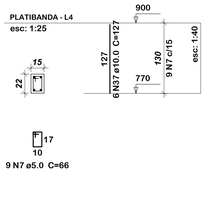
9 N7 ø5.0 C=66

P28=P40=P57=P69=P71



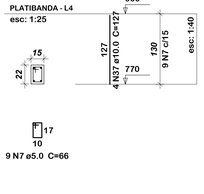
11 N7 ø5.0 C=66

P68



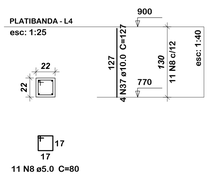
9 N7 ø5.0 C=66

P70



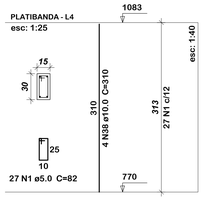
9 N7 ø5.0 C=66

P41=P42=P43=P44=P45=P50 =P51=P52=P53=P54=P55=P56



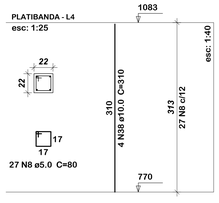
11 N8 ø5.0 C=80

P47=P48=P67=P72=P73=P74



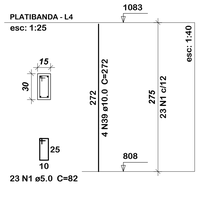
27 N1 ø5.0 C=82

P63=P64=P65



27 N8 ø5.0 C=80

P75



23 N1 ø5.0 C=82

MINISTÉRIO DA EDUCAÇÃO
UNIVERSIDADE FEDERAL DE LAVRAS

EMPRESA
EMPRESA: AS BUILT ENGENHARIA DE PROJETOS LTDA
CNPJ: 09.480.531/0001-01

PROJETO
TÍTULO: PROJETO ESTRUTURAL
DBI
CONTEÚDO: FERRAGEM DAS VIGAS DA PLATIBANDA
FERRAGEM DOS PILARES QUE SUPORTAM A PLATIBANDA
AUTOR DO PROJETO: CARLOS HENRIQUE DE SOUZA GONÇALVES
ENGENHEIRO CIVIL - CREA-PR 79603
EXECUÇÃO DE OBRA:

DATA:	REVISÃO DATA:	PROJETO:
12/2014		EXECUTIVO
ESCALA:	ÁREA: (m²)	FOLHA:
INDICADA	1.859,96	EST 20 /20