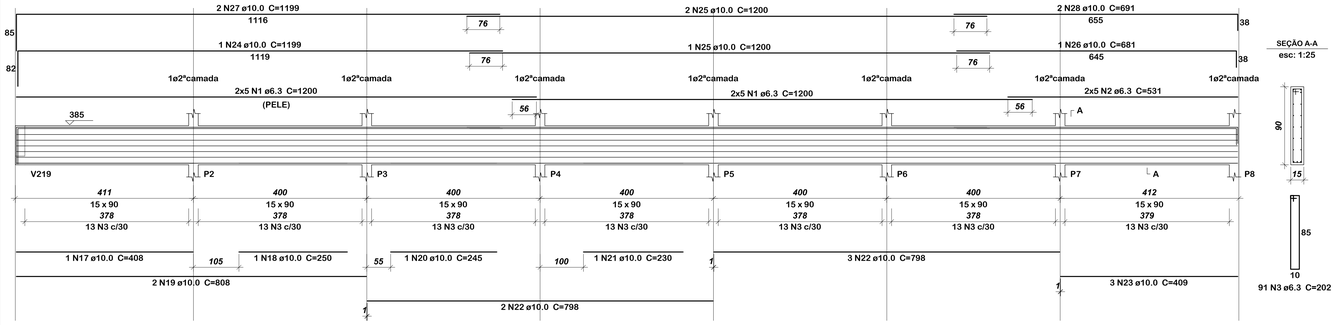
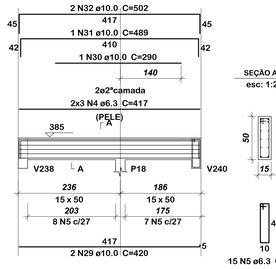
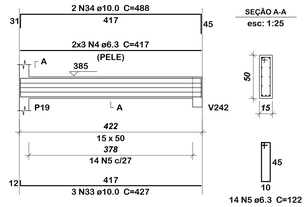
V201 (15 x 90)
esc: 1:50



V203 (15 x 50)
esc: 1:50



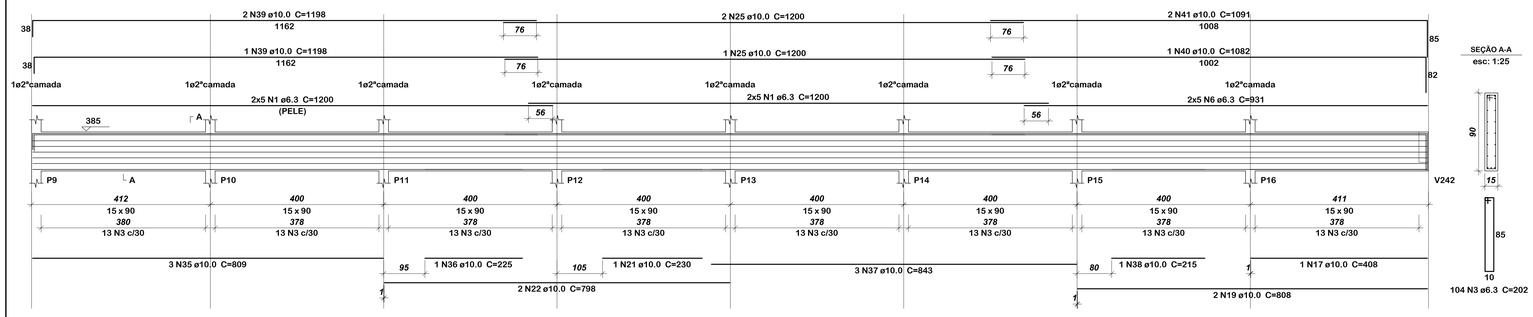
V204 (15 x 50)
esc: 1:50



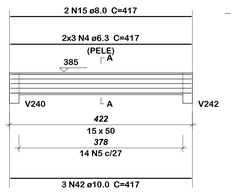
Relação do aço

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C.TOTAL (cm)
CA50	1	6.3	84	1200	100800
	2	6.3	24	531	12744
	3	6.3	195	202	39390
	4	6.3	26	417	10842
	5	6.3	191	122	23302
	6	6.3	18	931	16758
	7	6.3	18	242	4356
	8	6.3	31	136	4216
	9	6.3	196	162	31752
	10	6.3	8	482	3856
	11	6.3	12	237	2844
	12	6.3	2	123	246
	13	6.3	6	222	1332
	14	8.0	1	176	176
	15	8.0	2	417	834
	16	8.0	4	242	968
	17	10.0	2	408	816
	18	10.0	1	250	250
	19	10.0	6	808	4848
	20	10.0	1	245	245
	21	10.0	2	230	460
	22	10.0	17	798	13566
	23	10.0	5	409	2045
	24	10.0	1	1199	1199
	25	10.0	12	1200	14400
	26	10.0	1	681	681
	27	10.0	2	1199	2398
	28	10.0	2	691	1382
	29	10.0	2	420	840
	30	10.0	1	290	290
	31	10.0	1	489	489
	32	10.0	2	502	1004
	33	10.0	3	427	1281
	34	10.0	2	488	976
	35	10.0	3	809	2427
	36	10.0	2	225	450
	37	10.0	3	843	2529
	38	10.0	1	215	215
	39	10.0	3	1198	3594
	40	10.0	1	1082	1082
	41	10.0	2	1091	2182
	42	10.0	3	417	1251
	43	10.0	6	242	1452
	44	10.0	2	313	626
	45	10.0	3	436	1308
	46	10.0	2	501	1002
	47	10.0	2	818	1636
	48	10.0	1	345	345
	49	10.0	2	1198	2396
	50	10.0	2	600	1200
	51	10.0	2	419	838
	52	10.0	1	1074	1074
	53	10.0	1	455	455
	54	10.0	4	1199	4796
	55	10.0	2	722	1444
	56	10.0	3	492	1476
	57	10.0	2	223	446
	58	10.0	2	533	1066
	59	10.0	4	256	1024
	60	10.0	2	308	616
	61	10.0	2	819	1638
	62	10.0	2	1023	2046
	63	10.0	1	260	260
	64	10.0	2	593	1186
	65	10.0	1	1075	1075
	66	10.0	2	1075	2150
	67	10.0	2	1122	2244
	68	10.0	2	294	588
	69	10.0	3	234	702
	70	10.0	1	267	267
	71	10.0	2	274	548

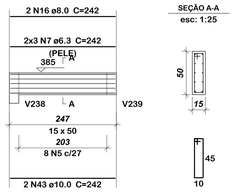
V202 (15 x 90)
esc: 1:50



V205 (15 x 50)
esc: 1:50



V206 (15 x 50)
esc: 1:50



V207 (15 x 50)
esc: 1:50

V208 (15 x 50)
esc: 1:50

V209 (22 x 50)
esc: 1:50

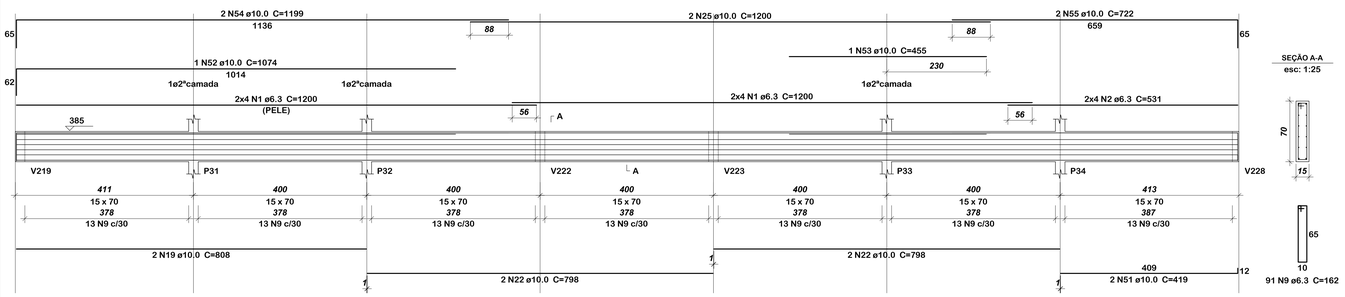
V212 (15 x 50)
esc: 1:50

Resumo do aço

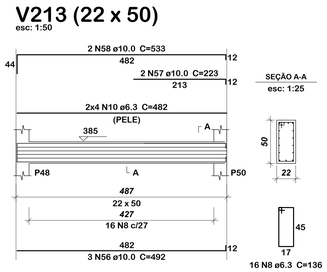
AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	6.3	2529.4	618.9
	8.0	19.8	7.8
	10.0	971.3	598.8
PESO TOTAL (kg)			
CA50	1225.6		

Volume de concreto (C-20) = 19.73 m³
Área de forma = 287.32 m²

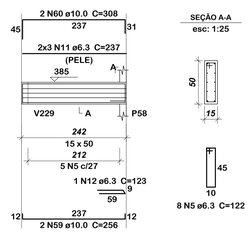
V210 (15 x 70)
esc: 1:50



V213 (22 x 50)
esc: 1:50



V215 (15 x 50)
esc: 1:50



V201	V202	V203
V204	V205	V206
V207	V208	V209
V210	V211	V212
V213	V215	V216
V231		

V211 (15 x 70)
esc: 1:50

V216 (15 x 50)
esc: 1:50

V231 (15 x 50)
esc: 1:50

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: FERRAGEMDAS VIGAS:
PAVIMENTO SUPERIOR (1/3)
AUTOR DO PROJETO: CARLOS HENRIQUE DE SOUZA GONÇALVES
ENGENHEIRO CIVIL - CREA/PE 76620
EXECUÇÃO DE OBRA:

DATA:	REVISÃO DATA:	PROJETO:
12/2014	-	EXECUTIVO
ESCALA:	ÁREA: (m²)	FOLHA:
INDICADA	1.859,96	EST 10 /20