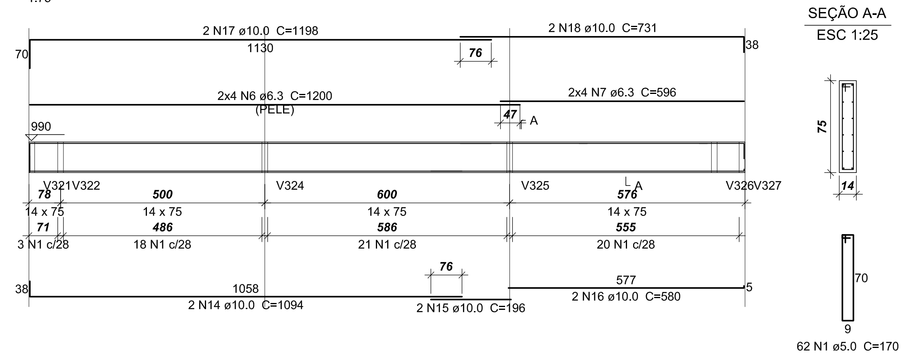
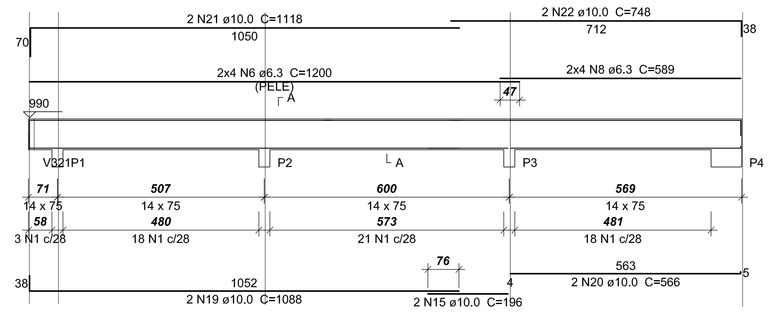
V301 (14 x 75)

1:75



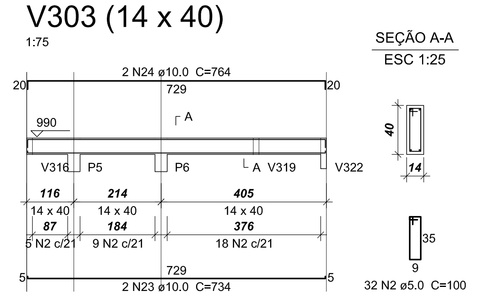
V302 (14 x 75)

1:75



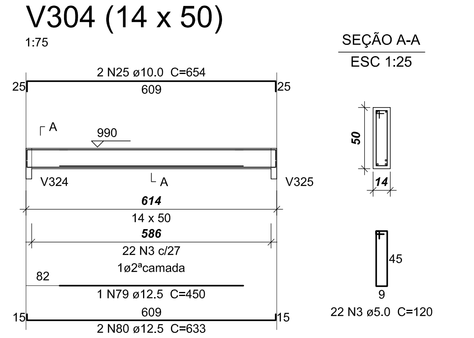
V303 (14 x 40)

1:75



V304 (14 x 50)

1:75

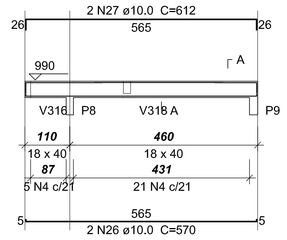


Relação do aço

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	512	170	87040
	2	5.0	295	100	29500
	3	5.0	22	120	2640
	4	5.0	52	108	5616
	5	5.0	75	88	6600
CA50	6	6.3	72	1200	86400
	7	6.3	16	596	9536
	8	6.3	16	589	9424
	9	6.3	8	77	616
	10	6.3	8	79	632
	11	6.3	32	297	9504
	12	6.3	8	298	2384
	13	8.0	2	949	1898
	14	10.0	2	1094	2188
	15	10.0	4	196	784
	16	10.0	2	580	1160
	17	10.0	8	1198	9584
	18	10.0	2	731	1462
	19	10.0	2	1088	2176
	20	10.0	2	566	1132
	21	10.0	2	1118	2236
	22	10.0	2	748	1496
	23	10.0	4	734	2936
	24	10.0	4	764	3056
	25	10.0	2	654	1308
	26	10.0	4	570	2280
	27	10.0	4	612	2448
	28	10.0	4	328	1312
	29	10.0	2	362	724
	30	10.0	1	305	305
	31	10.0	1	593	593
	32	10.0	2	1104	2208
	33	10.0	2	505	1010
	34	10.0	4	103	412
	35	10.0	4	133	532
	36	10.0	2	356	712
	37	10.0	2	360	720
	38	10.0	2	1111	2222
	39	10.0	2	548	1096
	40	10.0	2	275	550
	41	10.0	2	265	530
	42	10.0	1	170	170
	43	10.0	2	1198	2396
	44	10.0	2	578	1156
	45	10.0	2	1017	2034
	46	10.0	3	757	2271
	47	10.0	2	340	680
	48	10.0	2	1167	2334
	49	10.0	2	755	1510
	50	10.0	2	349	698
	51	10.0	2	379	758
	52	10.0	2	348	696
	53	10.0	2	378	756
	54	10.0	2	614	1228
	55	10.0	2	1180	2360
	56	10.0	2	888	1776
	57	10.0	2	489	978
	58	10.0	2	517	1034
	59	10.0	2	516	1032
	60	10.0	2	528	1056
	61	10.0	2	109	218
	62	10.0	2	1089	2178
	63	10.0	1	220	220
	64	10.0	2	1134	2268
	65	10.0	2	115	230
	66	10.0	2	180	360
	67	10.0	2	84	168
	68	10.0	2	150	300
	69	10.0	2	824	1648
	70	10.0	6	691	4146
	71	10.0	6	464	2784
	72	10.0	1	271	271
	73	10.0	2	634	1268
	74	10.0	2	579	1158
	75	10.0	2	981	1962
	76	10.0	2	514	1028
	77	10.0	2	1014	2028
	78	10.0	2	542	1084
	79	12.5	1	450	450
	80	12.5	2	633	1266
	81	12.5	2	270	540
	82	12.5	2	290	580
	83	12.5	2	1197	2394
	84	12.5	2	524	1048
	85	12.5	1	313	313
	86	12.5	4	825	3300
	87	12.5	1	320	320
	88	12.5	2	970	1940
	89	12.5	1	344	344
	90	12.5	1	385	385
	91	12.5	2	1025	2050

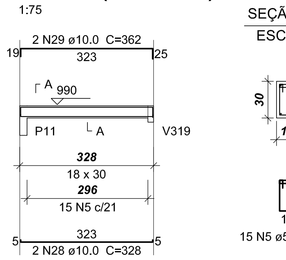
V305 (18 x 40)

1:75



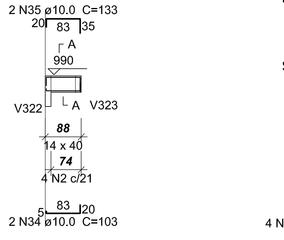
V306 (18 x 30)

1:75



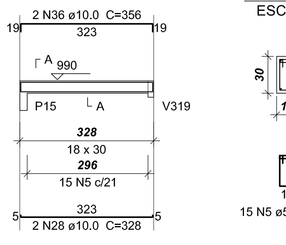
V308 (14 x 40)

1:75



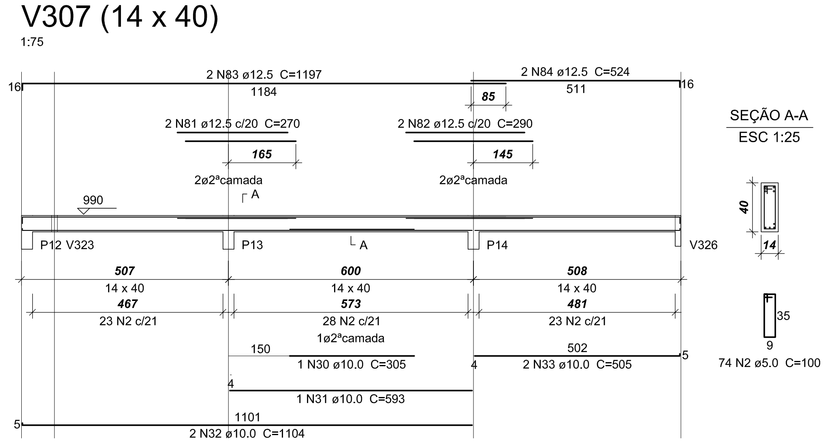
V309 (18 x 30)

1:75



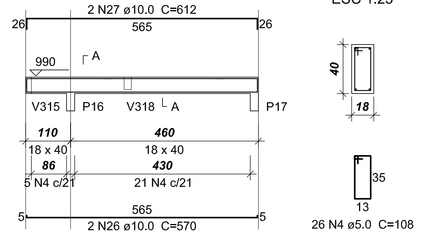
V307 (14 x 40)

1:75



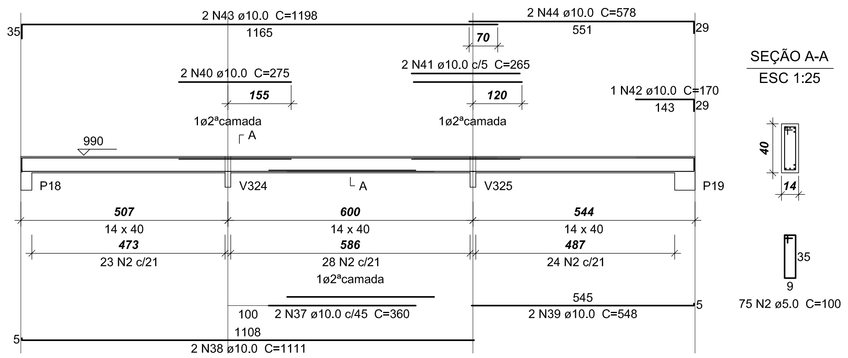
V310 (18 x 40)

1:75



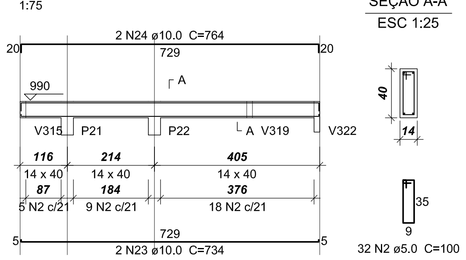
V311 (14 x 40)

1:75



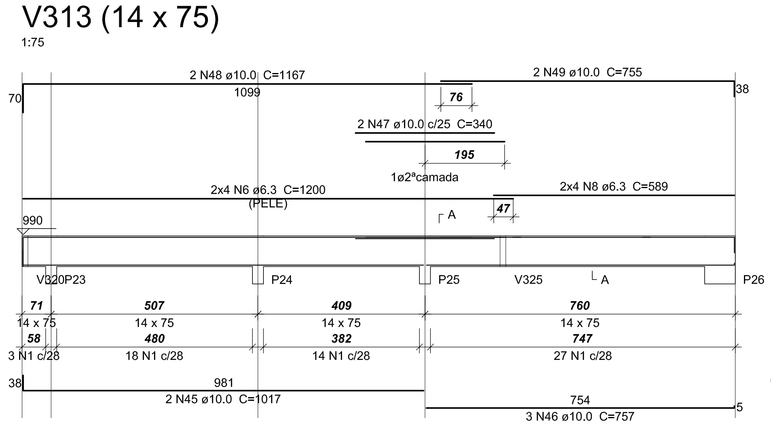
V312 (14 x 40)

1:75



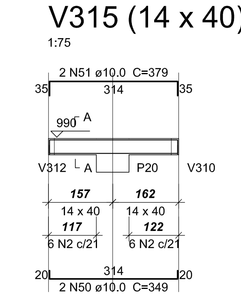
V313 (14 x 75)

1:75



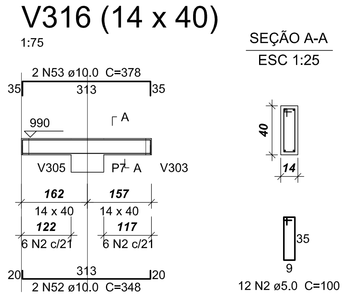
V315 (14 x 40)

1:75



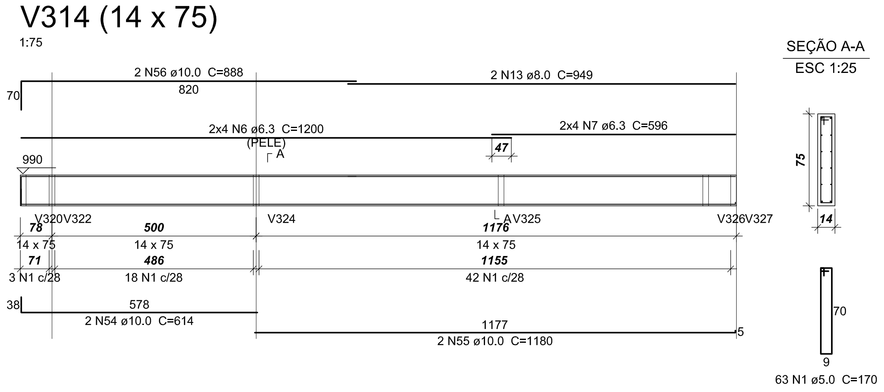
V316 (14 x 40)

1:75



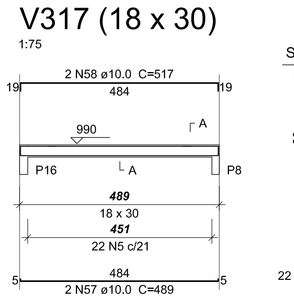
V314 (14 x 75)

1:75



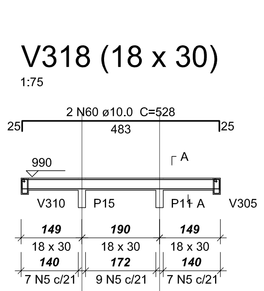
V317 (18 x 30)

1:75



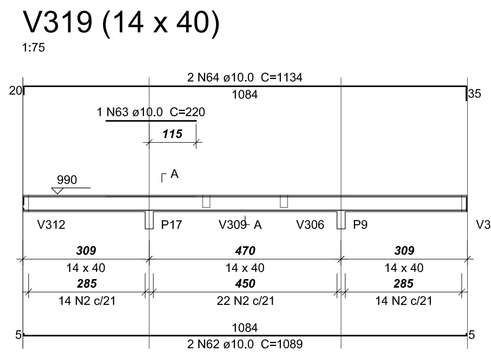
V318 (18 x 30)

1:75



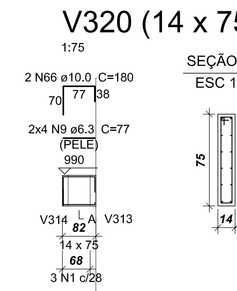
V319 (14 x 40)

1:75



V320 (14 x 75)

1:75



Resumo do aço

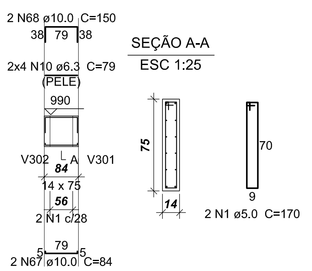
AÇO	DIAM	C.TOTAL (cm)	PESO (kg)
CA50	6.3	1185	290
	8.0	19	7.5
	10.0	954.2	588.3
	12.5	149.3	143.8
CA60	5.0	1314	202.5
PESO TOTAL			
CA50	1029.5		
CA60	202.5		

Vol. de concreto total (C-25) = 21.01 m³

Área de forma total = 330.11 m²

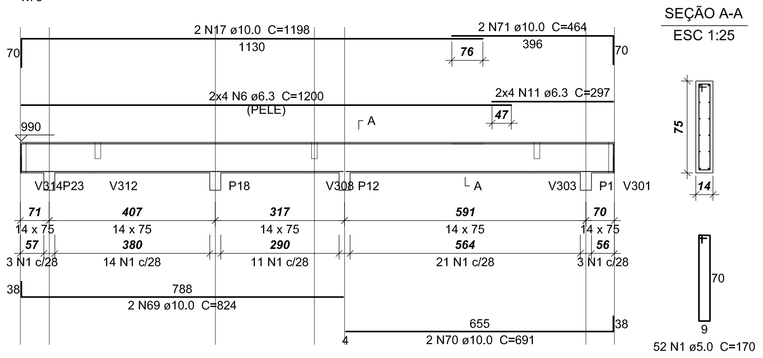
V321 (14 x 75)

1:75



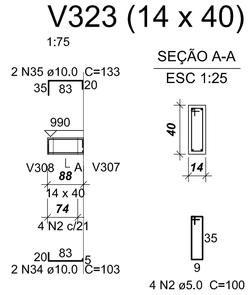
V322 (14 x 75)

1:75



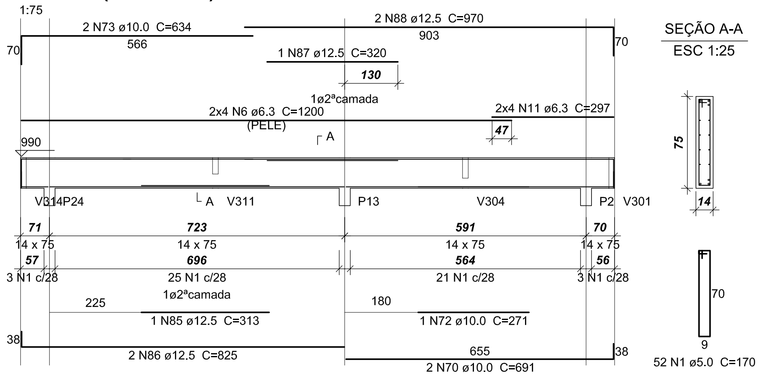
V323 (14 x 40)

1:75



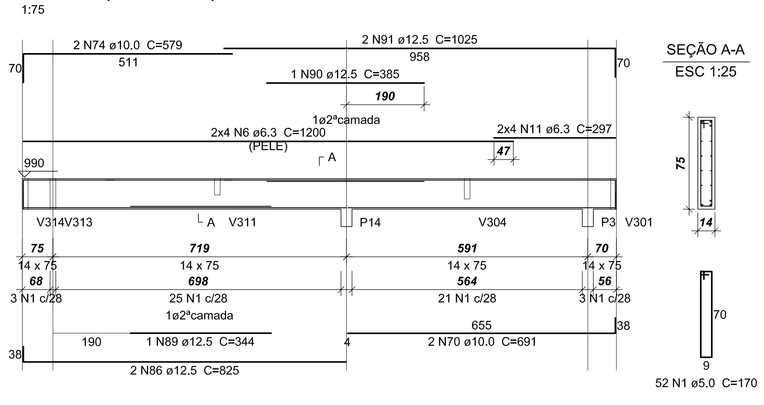
V324 (14 x 75)

1:75



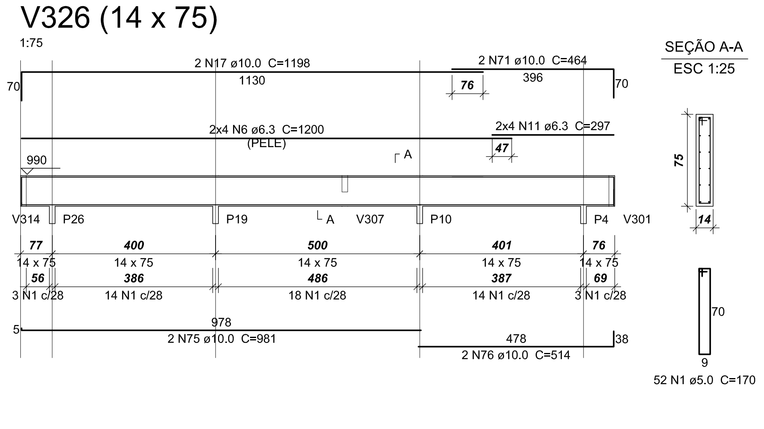
V325 (14 x 75)

1:75



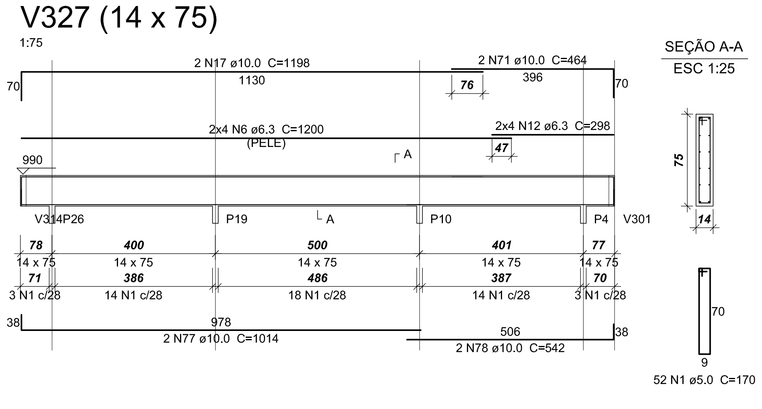
V326 (14 x 75)

1:75



V327 (14 x 75)

1:75



AS BUILT PROJETOS
Rua Jovino do Rosário, 1564 – Boa Vista
CEP 82560-435 – Curitiba – Paraná

OBRA:	CITEC – CAMPUS DIAMANTINA
PROPRIETÁRIO:	UNIVERSIDADE DOS VALES DO JEQUITINHONHA E MUCURI – UFVJM
ENDEREÇO:	RODOVIA MGT 367 – Km 583, N°5000, ALTO DA JACUBA – DIAMANTINA/MG
PROJETO ESTRUTURAL	PRANCHA: EST 12/18
REFERÊNCIA:	FERRAGEM DAS VIGAS: COBERTURA
ARQUIVO:	CARLOS
DESENHO:	CARLOS
DATA:	14/10/2012
ESCALA:	INDICADA
AUTOR DO PROJETO:	ENG. CIVIL CARLOS HENRIQUE DE S. GONÇALVES — CREA: 7.982-D/PR