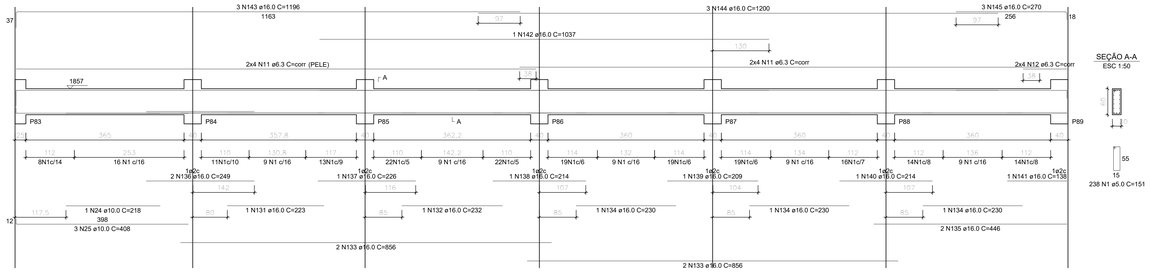
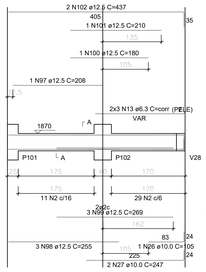
V13
ESC 1:50



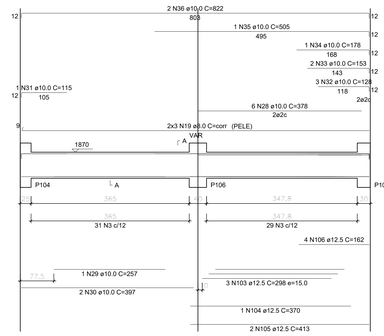
SEÇÃO A-A
ESC 1:50

V18
ESC 1:50

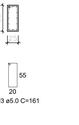


SEÇÃO A-A
ESC 1:50

V19
ESC 1:50



SEÇÃO A-A
ESC 1:50



RELAÇÃO DO AÇO

V13	V18	V19
V21	V23	V24
V26	V31	V32
V34	V35	V36
V38	V39	V40
V41	V43	V44

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	662	151	99962
	2	5.0	97	111	10767
	3	5.0	60	161	9660
	4	5.0	352	91	32032
	5	5.0	59	131	7729
	6	5.0	1	105	105
	7	5.0	2	250	500
	8	5.0	2	285	570
	9	5.0	19	171	3249
	10	5.0	5	30	150
	11	6.3	24	corr	28800
	12	6.3	8	corr	808
	13	6.3	6	corr	1296
	14	6.3	8	corr	8760
	15	6.3	24	corr	29400
	16	6.3	8	corr	5400
	17	6.3	8	corr	4430
	18	6.3	6	corr	4542
	20	8.0	4	corr	1072
	21	8.0	4	corr	2252
	22	8.0	4	corr	1060
	23	8.0	6	corr	870
	24	10.0	1	218	218
	25	10.0	3	408	1224
	26	10.0	1	105	105
	27	10.0	2	247	494
	28	10.0	6	378	2268
	29	10.0	1	257	257
	30	10.0	2	397	794
	31	10.0	1	115	115
	32	10.0	3	128	384
	33	10.0	2	153	306
	34	10.0	1	178	178
	35	10.0	1	505	505
	36	10.0	2	822	1644
	37	10.0	3	460	1380
	38	10.0	2	245	490
	39	10.0	2	105	210
	40	10.0	1	108	108
	41	10.0	1	383	383
	42	10.0	2	563	1126
	43	10.0	4	537	2148
	44	10.0	1	99	99
	45	10.0	1	93	93
	46	10.0	1	150	150
	47	10.0	2	673	1346
	48	10.0	2	1115	2230
	49	10.0	2	176	352
	50	10.0	2	262	524
	51	10.0	2	653	1306
	52	10.0	1	147	147
	53	10.0	5	393	1965
	54	10.0	1	513	513
	55	10.0	2	653	1306
	56	10.0	1	180	180
	57	10.0	1	485	485
	58	10.0	3	1110	3330
	59	10.0	1	125	125
	60	10.0	1	195	195
	61	10.0	1	140	140
	62	10.0	1	225	225
	63	10.0	4	745	2980
	64	10.0	2	125	250
	65	10.0	2	159	318
	66	10.0	2	181	362
	67	10.0	1	573	573
	68	10.0	1	553	553
	69	10.0	2	140	280
	70	10.0	1	94	94
	71	10.0	1	149	149
	72	10.0	1	286	286
	73	10.0	2	114	228
	74	10.0	2	122	244
	75	10.0	2	275	550
	76	10.0	2	175	350
	77	10.0	1	123	123
	78	10.0	1	163	163
	79	10.0	6	545	3270
	80	10.0	2	119	238
	81	10.0	2	189	378
	82	10.0	6	265	1590
	83	10.0	2	295	590
	84	10.0	2	265	530
	85	10.0	2	308	616
	86	10.0	1	280	280
	87	10.0	1	320	320
	88	10.0	2	1085	2170
	89	10.0	2	191	382
	90	10.0	2	528	1056
	91	10.0	1	129	129
	92	10.0	2	164	328
	93	10.0	2	209	418
	94	10.0	1	83	83
	95	10.0	2	164	328
	96	10.0	6	648	3888
	97	12.5	1	208	208
	98	12.5	3	255	765
	99	12.5	3	269	807
	100	12.5	1	180	180
	101	12.5	1	210	210
	102	12.5	2	437	874
	103	12.5	3	298	894
	104	12.5	1	370	370
	105	12.5	2	413	826
	106	12.5	4	162	648
	107	12.5	1	400	400
	108	12.5	2	504	1008
	109	12.5	2	252	504
	110	12.5	2	473	946
	111	12.5	1	155	155
	112	12.5	1	380	380
	113	12.5	1	727	727
	114	12.5	1	737	737
	115	12.5	2	1095	2190
	116	12.5	4	148	592
	117	12.5	4	214	856
	118	12.5	5	1165	5825
	119	12.5	1	230	230
	120	12.5	2	340	680
	121	12.5	2	215	430
	122	12.5	2	759	1518
	123	12.5	2	539	1078
	124	12.5	1	198	198
	125	12.5	2	475	950
	126	12.5	4	727	2908
	127	12.5	3	180	540
	128	12.5	3	1161	3483
	129	12.5	3	543	1629
	130	12.5	8	115	920
	131	16.0	1	223	223
	132	16.0	1	232	232
	133	16.0	4	856	3424
	134	16.0	5	230	1150
	135	16.0	2	446	892
	136	16.0	2	249	498
	137	16.0	1	226	226
	138	16.0	1	214	214
	139	16.0	1	209	209
	140	16.0	1	214	214
	141	16.0	1	138	138
	142	16.0	1	1037	1037
	143	16.0	3	1196	3588
	144	16.0	3	1200	3600
	145	16.0	3	270	810
	146	16.0	2	240	480
	147	16.0	1	276	276
	148	16.0	2	1095	2190
	149	16.0	1	308	308
	150	16.0	2	466	932
	151	16.0	1	440	440
	152	16.0	2	690	1380
	153	16.0	1	175	175
	154	16.0	1	424	424
	155	16.0	1	342	342
	156	16.0	2	606	1212
	157	16.0	1	162	162
	158	16.0	2	260	520
	159	16.0	1	174	174
	160	16.0	2	911	1822
	161	16.0	1	153	153
	162	16.0	2	471	942
	163	16.0	2	417	834
	164	16.0	1	572	572
	165	16.0	2	1114	2228
	166	16.0	1	190	190
	167	16.0	2	513	1026
	168	16.0	2	337	674
	169	16.0	1	589	589
	170	16.0	2	1151	2302

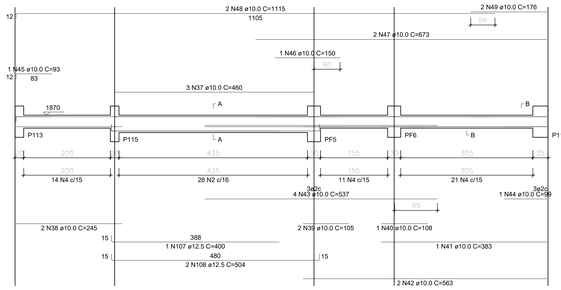
RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	763	205.4
	8.0	101	43.8
	10.0	534.3	362.3
	12.5	342.1	362.5
	16.0	368	638.9
CA60	5.0	1647.2	279.3

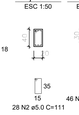
PESO TOTAL (kg)	
CA50	1612.9
CA60	279.3

Volume de concreto (C-35) = 16.94 m³
Área de forma = 200.24 m²

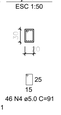
V21
ESC 1:50



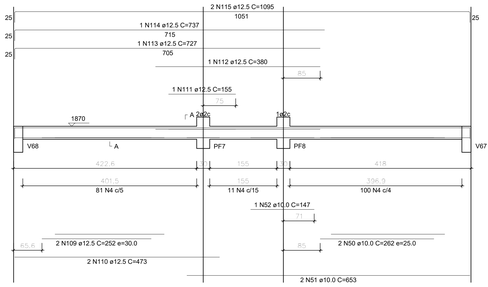
SEÇÃO A-A
ESC 1:50



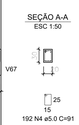
SEÇÃO B-B
ESC 1:50



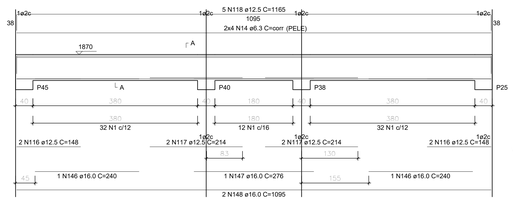
V23
ESC 1:50



SEÇÃO A-A
ESC 1:50

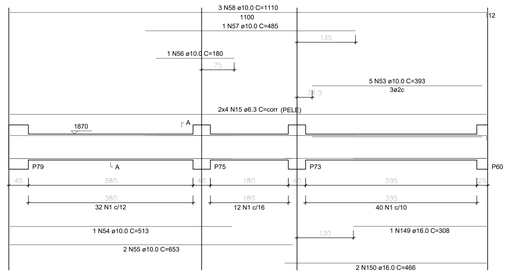


V24
ESC 1:50

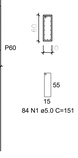


SEÇÃO A-A
ESC 1:50

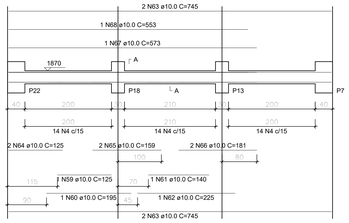
V26
ESC 1:50



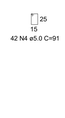
SEÇÃO A-A
ESC 1:50



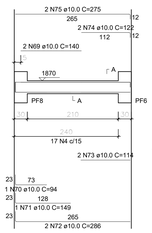
V31
ESC 1:50



SEÇÃO A-A
ESC 1:50

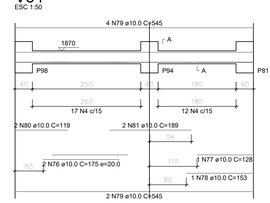


V32
ESC 1:50

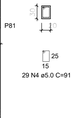


SEÇÃO A-A
ESC 1:50

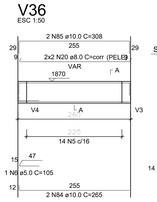
V34
ESC 1:50



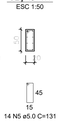
SEÇÃO A-A
ESC 1:50



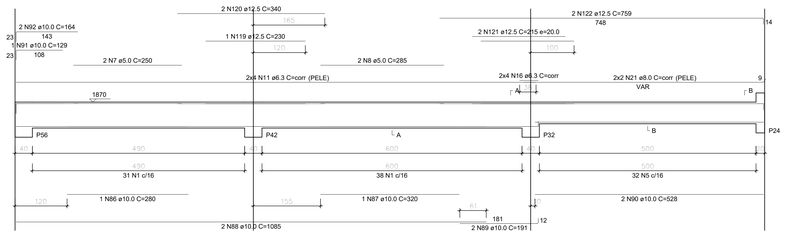
V36
ESC 1:50



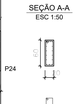
SEÇÃO A-A
ESC 1:50



V38
ESC 1:50

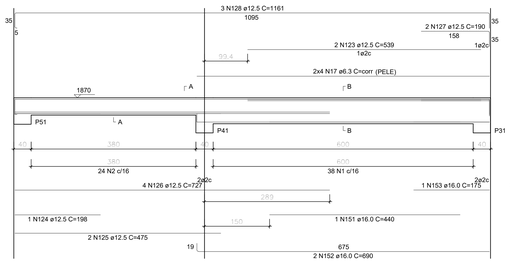


SEÇÃO A-A
ESC 1:50



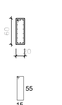
SEÇÃO B-B
ESC 1:50

V39
ESC 1:50

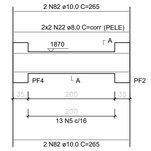


SEÇÃO A-A
ESC 1:50

SEÇÃO B-B
ESC 1:50

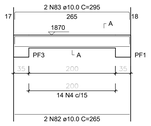


V40
ESC 1:50



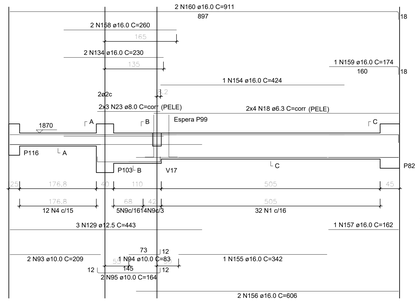
SEÇÃO A-A
ESC 1:50

V35
ESC 1:50



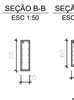
SEÇÃO A-A
ESC 1:50

V41
ESC 1:50

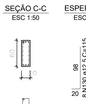


SEÇÃO A-A
ESC 1:50

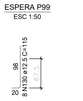
SEÇÃO B-B
ESC 1:50



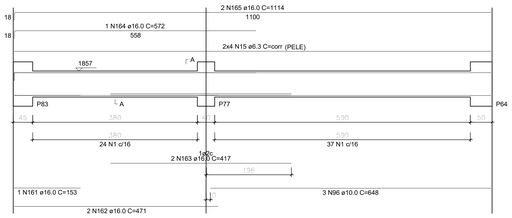
SEÇÃO C-C
ESC 1:50



ESPERA P99
ESC 1:50

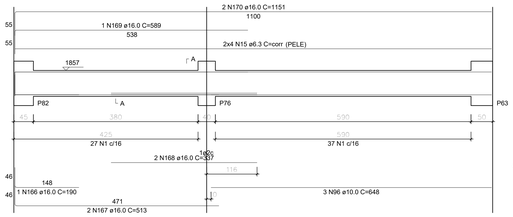


V43
ESC 1:50

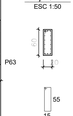


SEÇÃO A-A
ESC 1:50

V44
ESC 1:50



SEÇÃO A-A
ESC 1:50



DETALHAMENTO DAS VIGAS DO PAV4-PISO6

ESCALA 1:50

PROJETO ESTRUTURAL
PRÉDIO NOVO DA ODONTOLOGIA - UESC - ALFENAS-MG

DETALHAMENTOS
PAV4-PISO6 (1870cm)
VIGAS

UNIVERSIDADE FEDERAL DE ALFENAS
Rua Gonçalves Chaves, 376 - Centro
37130-000 Alfenas MG
http://www.unifal-mg.edu.br

Escala: 1/50		DESENHO 01
Desenho:	Revisão: 0	
Data: 25/07/2023	Unidade: cm	FOLHA 69/94

FORMATO A0 - INTERNO: 1049 x 821 mm.
EXTERNO: 1189 x 841 mm.