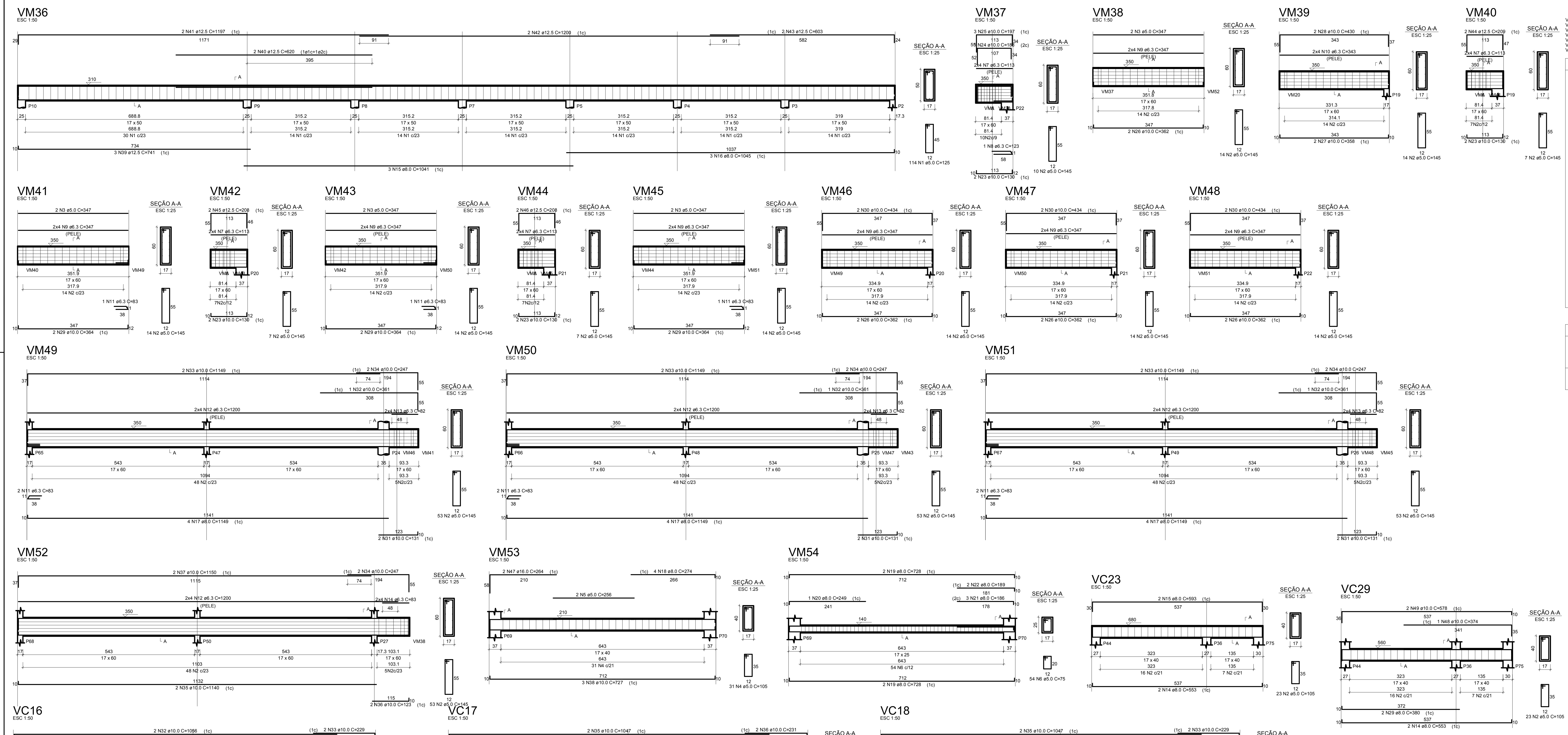


RELAÇÃO DO AÇO

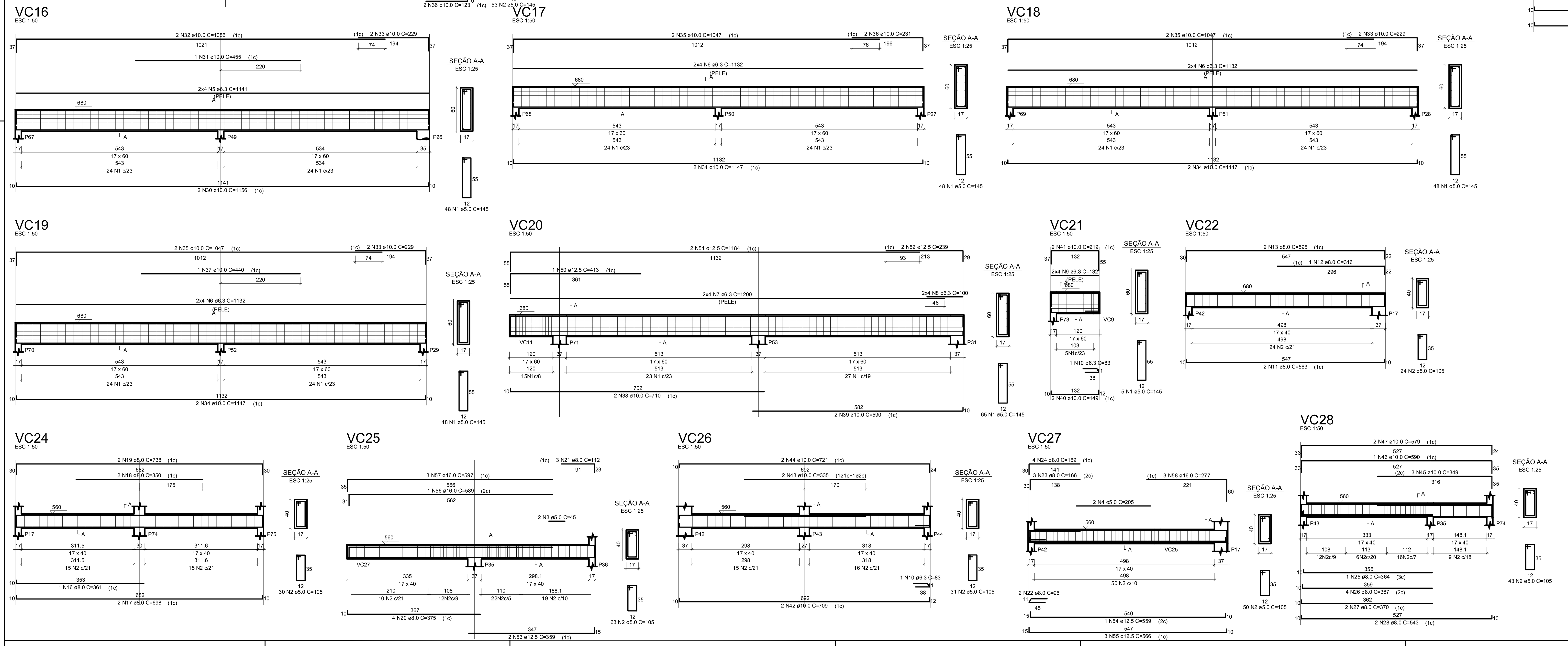
VM36 VM37 VM38
VM39 VM40 VM41
VM42 VM43 VM44
VM45 VM46 VM47
VM48 VM49 VM50
VM51 VM52 VM53
VM54

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
60	1	5.0	114	125	14250
	2	5.0	355	145	51475
	3	5.0	8	347	2776
	4	5.0	31	105	3255
	5	5.0	2	256	512
	6	5.0	54	75	4050
50	7	6.3	32	113	3616
	8	6.3	1	123	123
	9	6.3	56	347	19432
	10	6.3	8	343	2744
	11	6.3	9	83	747
	12	6.3	32	1200	38400
	13	6.3	24	82	1968
	14	6.3	8	83	664
	15	8.0	3	1041	3123
	16	8.0	3	1045	3135
	17	8.0	12	1149	13788
	18	8.0	4	274	1096
	19	8.0	4	728	2912
	20	8.0	1	249	249
	21	8.0	3	186	558
	22	8.0	2	189	378
	23	10.0	8	130	1040
	24	10.0	1	188	188
	25	10.0	3	197	591
	26	10.0	8	362	2896
	27	10.0	2	358	716
	28	10.0	2	430	860
	29	10.0	6	364	2184
	30	10.0	6	434	2604
	31	10.0	6	131	786
	32	10.0	3	361	1083
	33	10.0	6	1149	6894
	34	10.0	8	247	1976
	35	10.0	2	1140	2280
	36	10.0	2	123	246
	37	10.0	2	1150	2300
	38	10.0	3	727	2181
	39	12.5	3	741	2223
	40	12.5	2	620	1240
	41	12.5	2	1197	2394
	42	12.5	2	1200	2400
	43	12.5	2	603	1206
	44	12.5	2	209	418
	45	12.5	2	208	416
	46	12.5	2	208	416
	47	16.0	2	264	528

RESUMO DO AÇO

AÇO	DIAM	C.TOTAL (m)	PESO+10% (kg)
CA50	6.3	676.9	182.5
	8.0	252.4	109.7
	10.0	288.3	195.6
	12.5	107.2	113.6
	16.0	5.3	9.2
CA60	5.0	765.9	129.7
PESO TOTAL			
CA50	610.6		
CA60	129.7		

Vol. de concreto total (C-25) =11.56 m³
Área de forma total = 157.17 m²



RELAÇÃO DO AÇO

VC16 VC17 VC18
VC19 VC20 VC21
VC22 VC23 VC24
VC25 VC26 VC27
VC28 VC29

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
60	1	5.0	262	145	37990
	2	5.0	287	105	30135
	3	5.0	2	45	90
	4	5.0	2	205	410
50	5	6.3	8	1141	9128
	6	6.3	24	1132	27168
	7	6.3	8	1200	9600
	8	6.3	8	100	800
	9	6.3	8	132	1056
	10	6.3	2	83	166
	11	8.0	2	563	1126
	12	8.0	1	316	316
	13	8.0	2	595	1190
	14	8.0	4	553	2212
	15	8.0	2	593	1186
	16	8.0	1	361	361
	17	8.0	2	698	1396
	18	8.0	2	350	700
	19	8.0	2	738	1476
	20	8.0	4	375	1500
	21	8.0	3	112	336
	22	8.0	2	96	192
	23	8.0	3	166	498
	24	8.0	4	169	676
	25	8.0	1	364	364
	26	8.0	4	367	1468
	27	8.0	2	370	740
	28	8.0	2	543	1086
	29	8.0	2	380	760
	30	10.0	2	1156	2312
	31	10.0	1	455	455
	32	10.0	2	1056	2112
	33	10.0	6	229	1374
	34	10.0	6	1147	6882
	35	10.0	6	1047	6282
	36	10.0	2	231	462
	37	10.0	1	440	440
	38	10.0	2	710	1420
	39	10.0	2	590	1180
	40	10.0	2	149	298
	41	10.0	2	219	438
	42	10.0	2	709	1418
	43	10.0	2	335	670
	44	10.0	2	721	1442
	45	10.0	3	349	1047
	46	10.0	1	590	590
	47	10.0	2	579	1158
	48	10.0	1	374	374
	49	10.0	2	578	1156
	50	12.5	1	413	413
	51	12.5	2	1184	2368
	52	12.5	2	239	478
	53	12.5	2	359	718
	54	12.5	1	559	559
	55	12.5	3	566	1698
	56	16.0	1	589	589
	57	16.0	3	597	1791
	58	16.0	3	277	831

RESUMO DO AÇO

AÇO	DIAM	C.TOTAL (m)	PESO+10% (kg)
CA50	6.3	479.2	129.2
	8.0	175.9	76.5
	10.0	315.1	213.8
	12.5	62.4	66.1
	16.0	32.1	55.8
CA60	5.0	689.0	116.7
PESO TOTAL			
CA50	541.4		
CA60	116.7		

Vol. de concreto total (C-25) =9.33 m³
Área de forma total = 128.00 m²