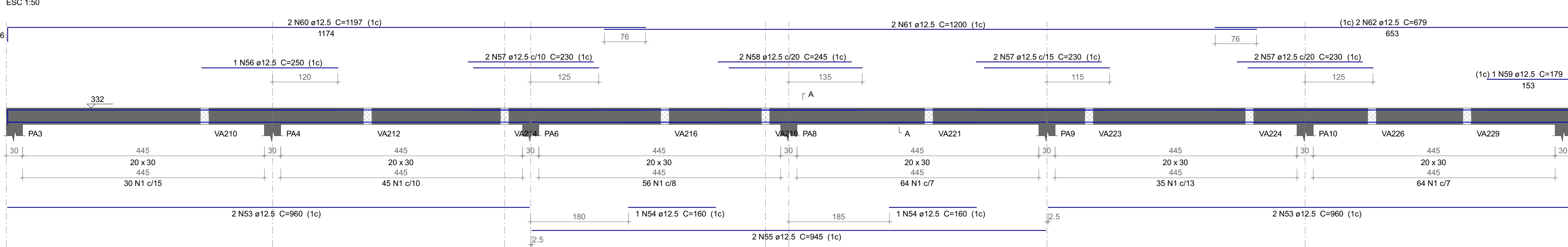
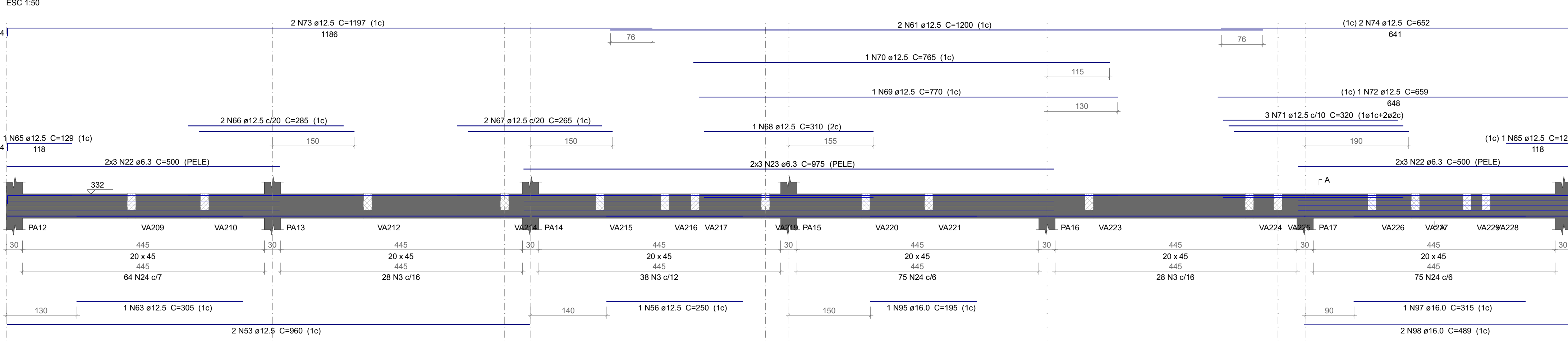


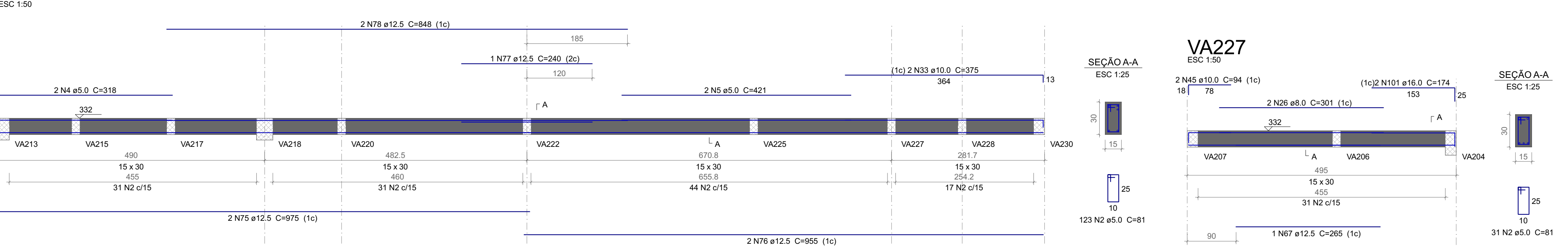
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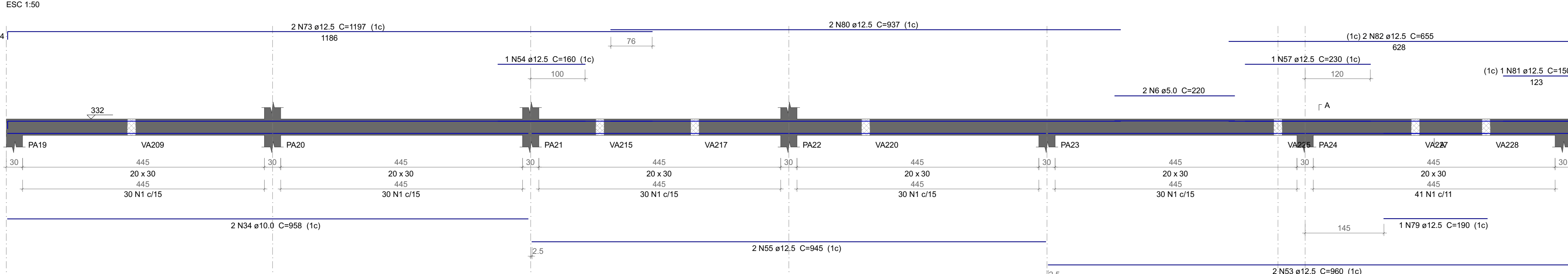
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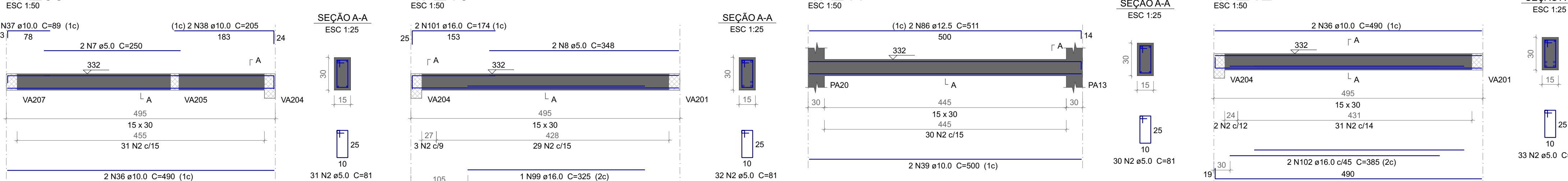
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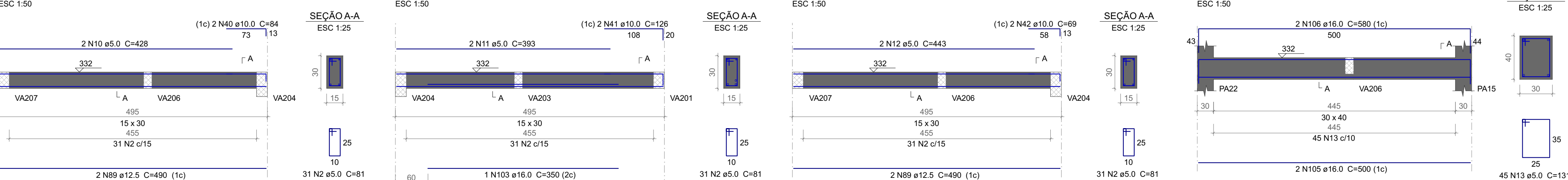
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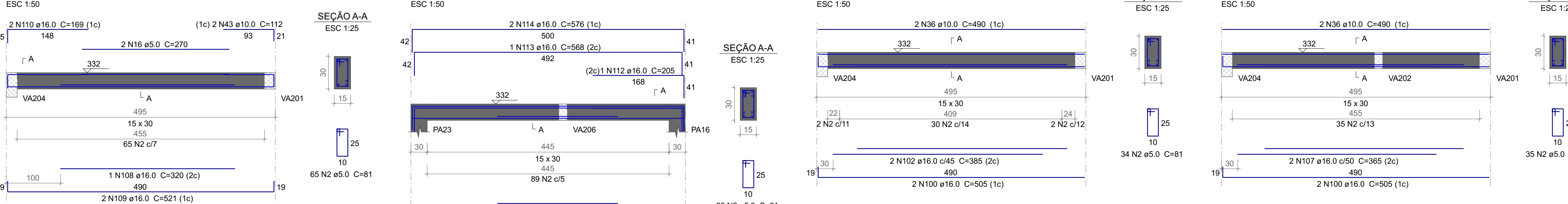
VA209



VA215



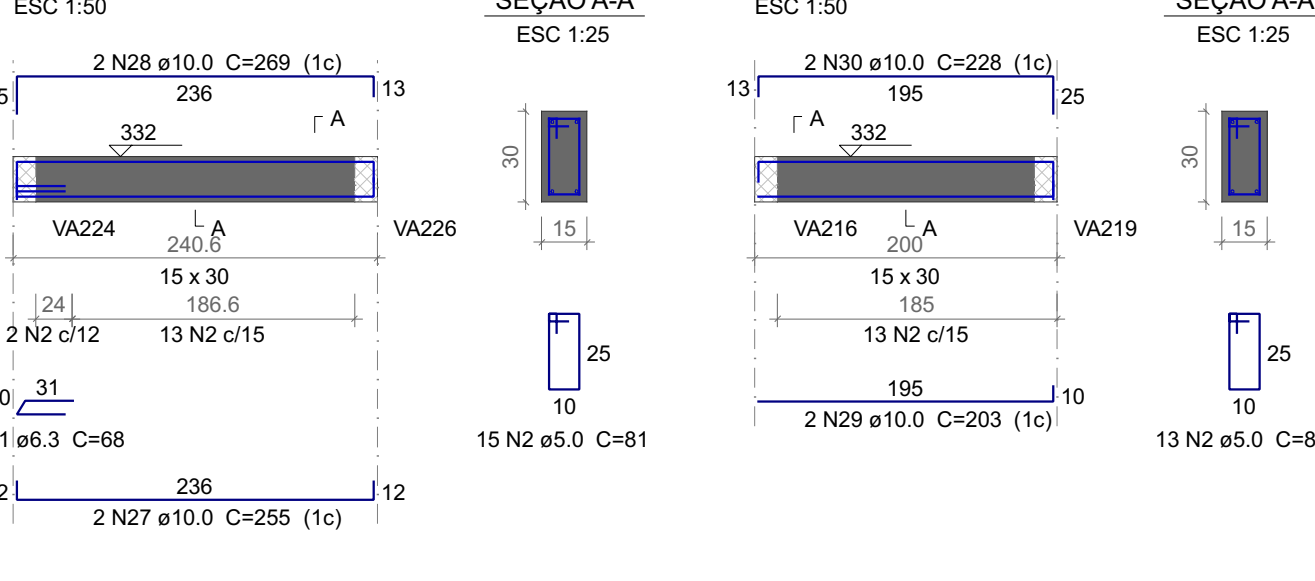
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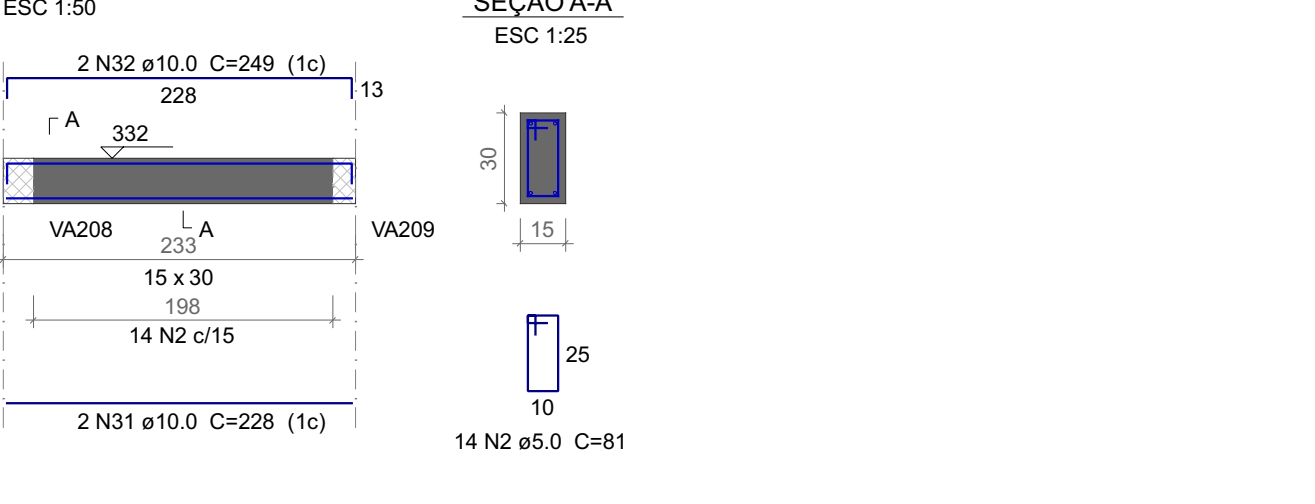
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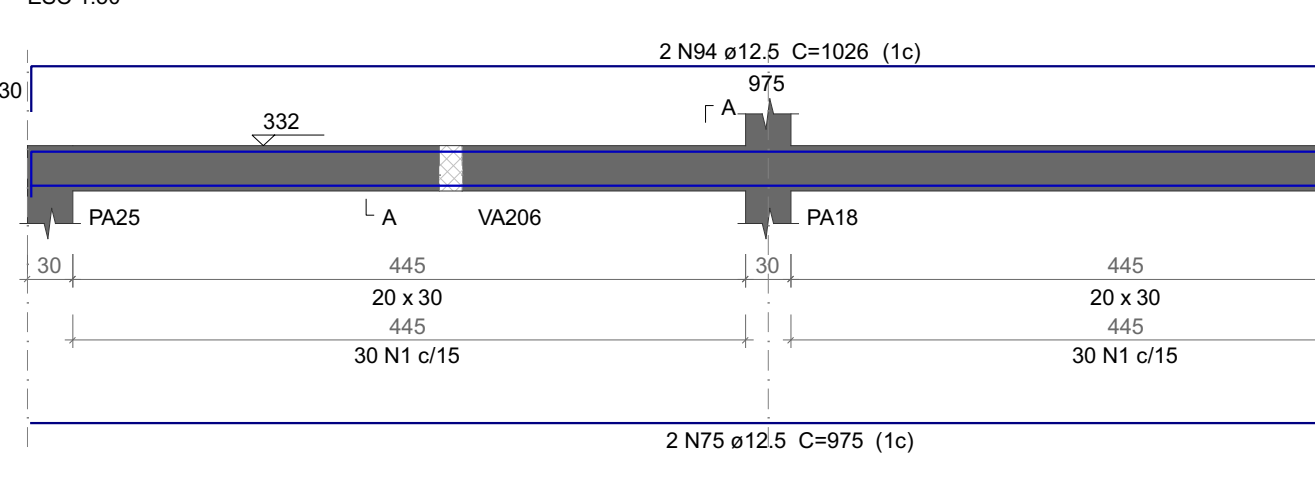
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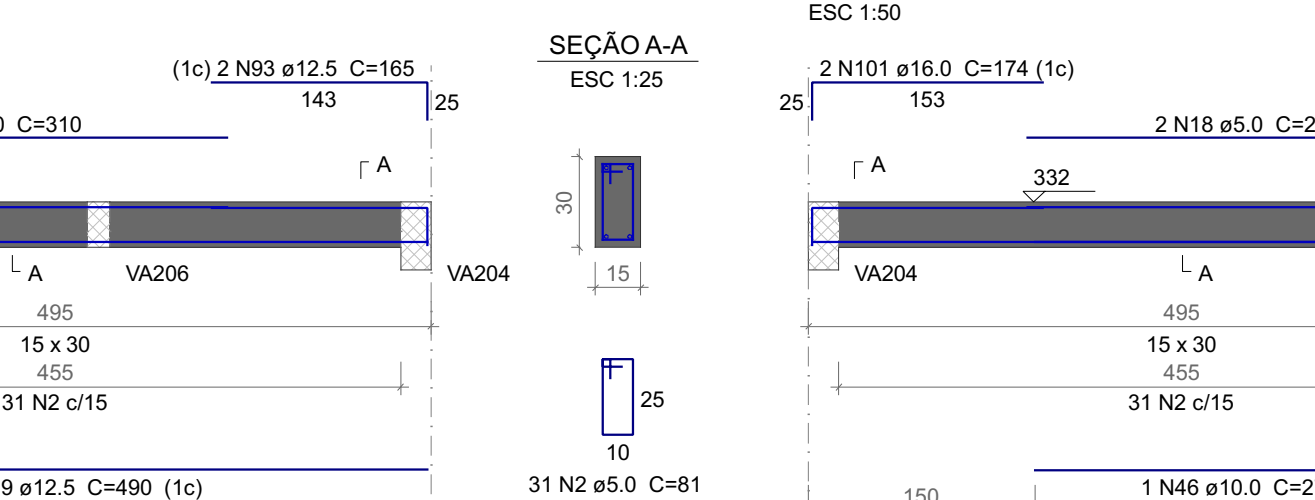
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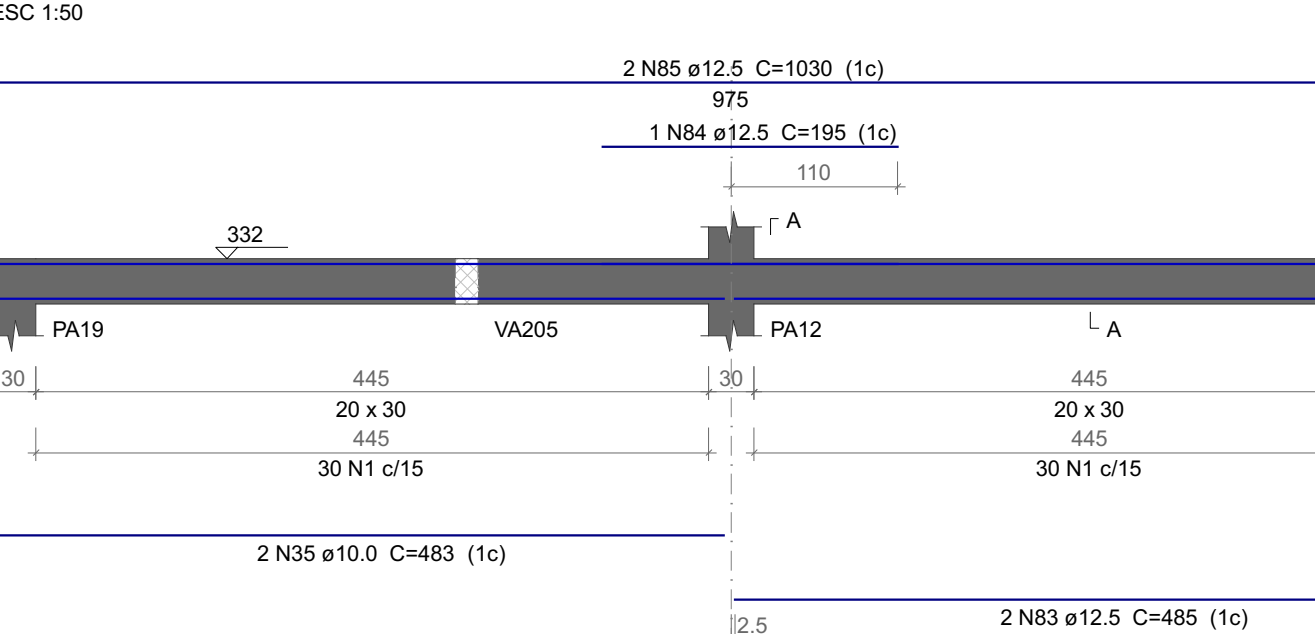
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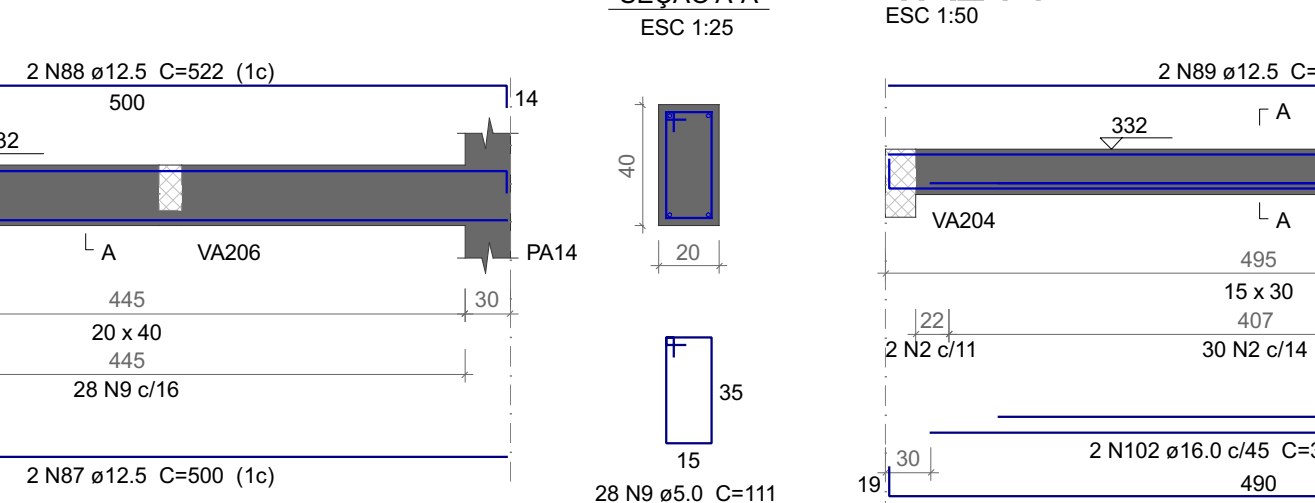
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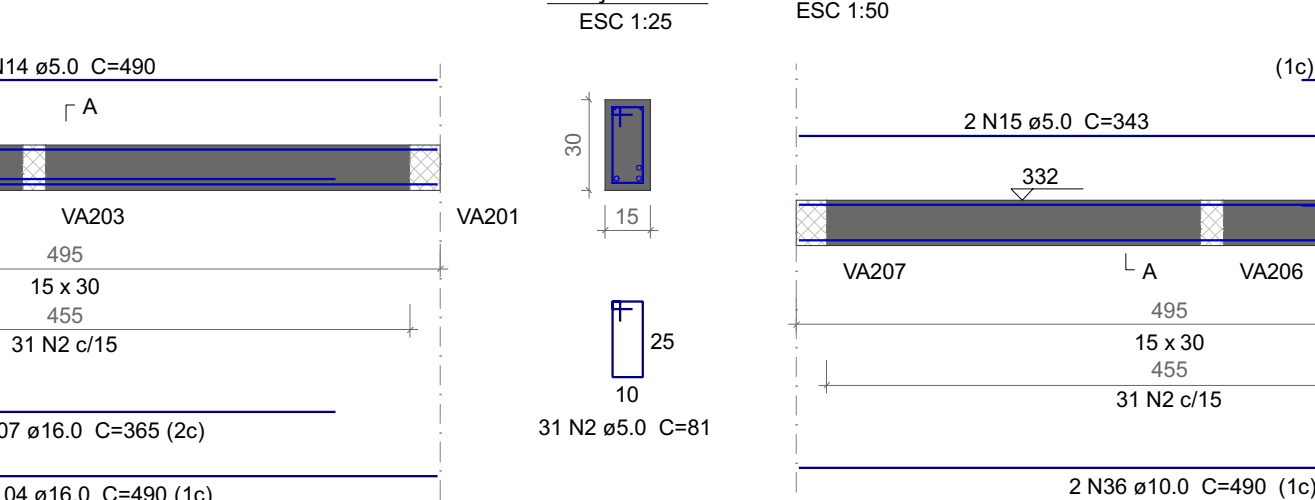
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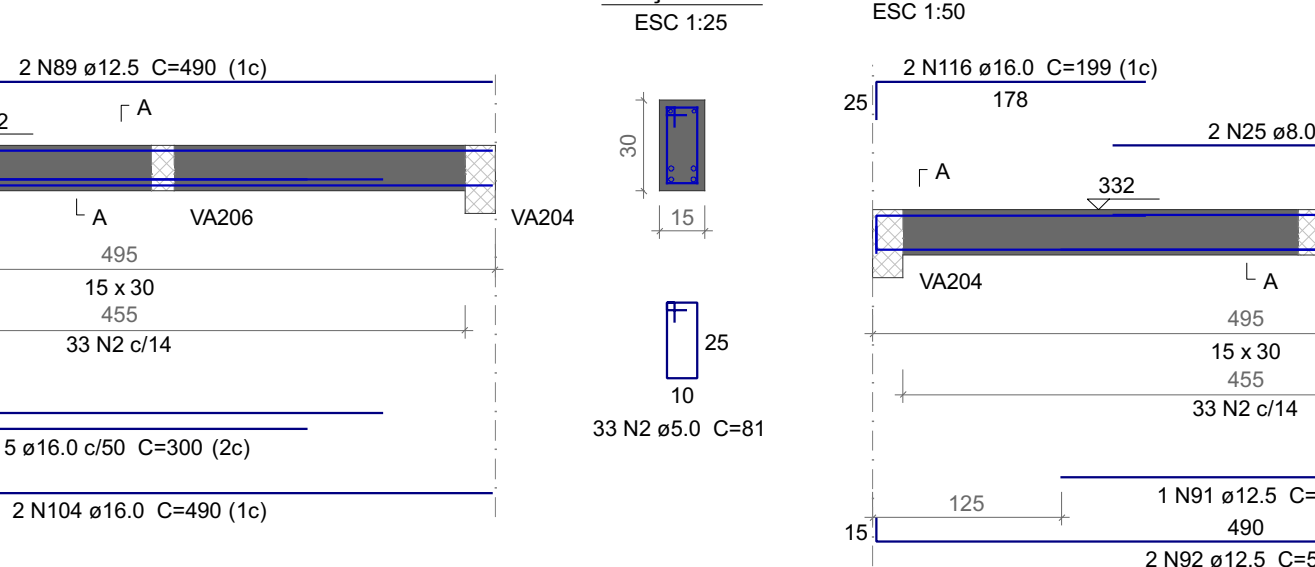
VA213



VA219



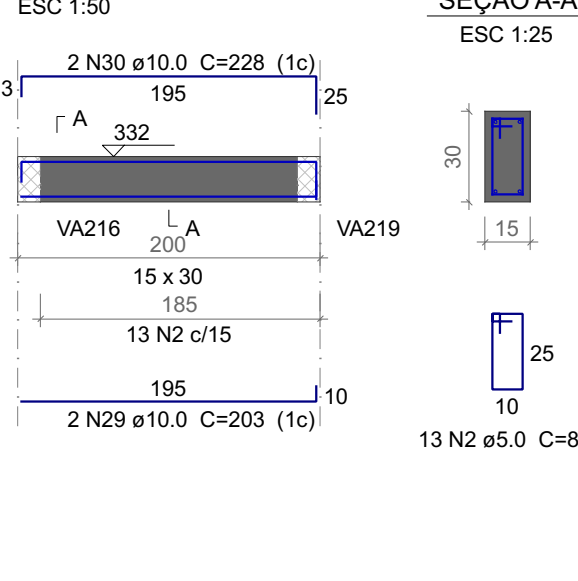
VA225



VA226



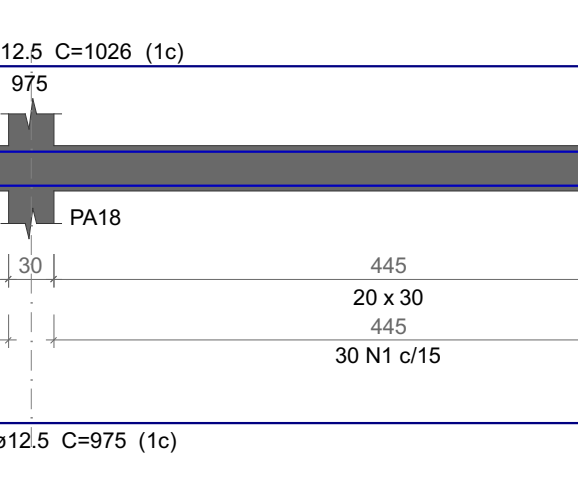
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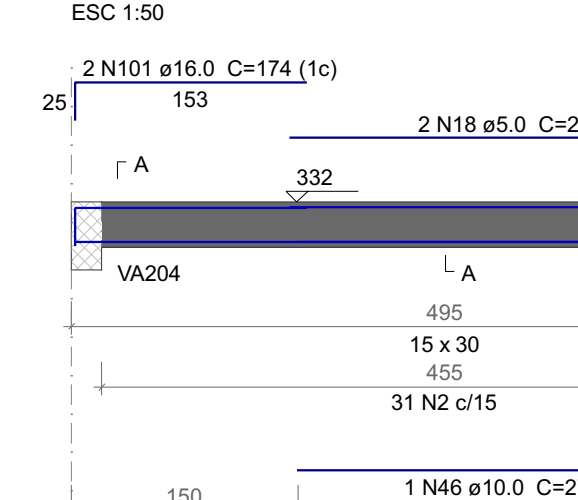
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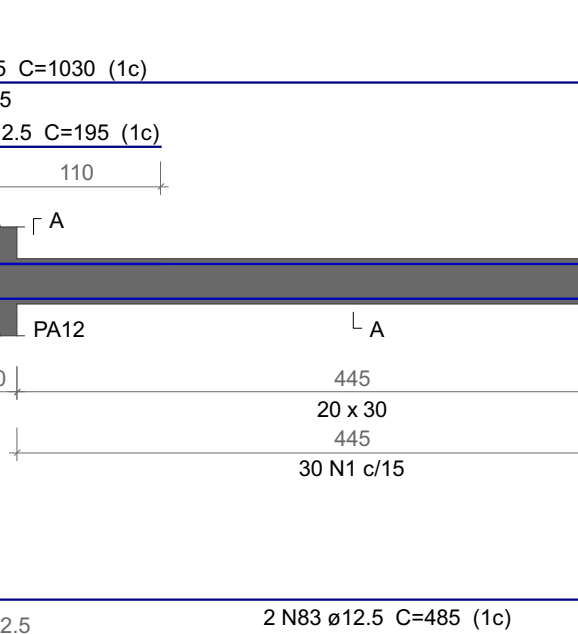
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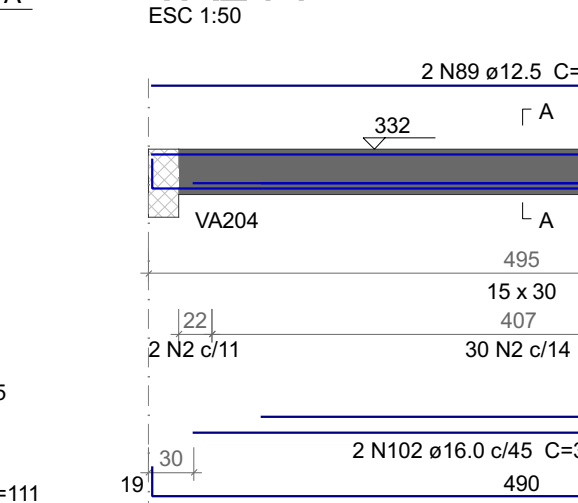
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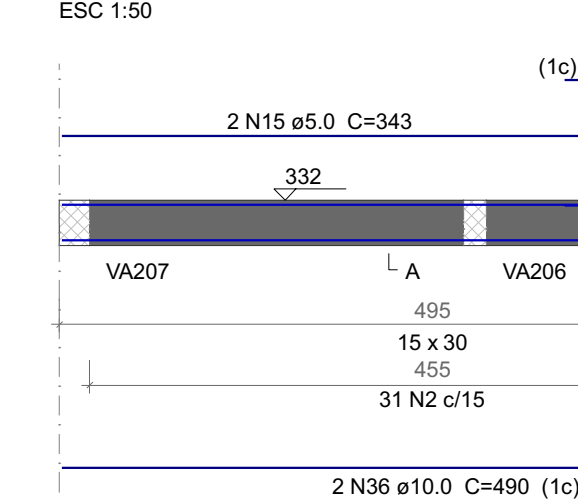
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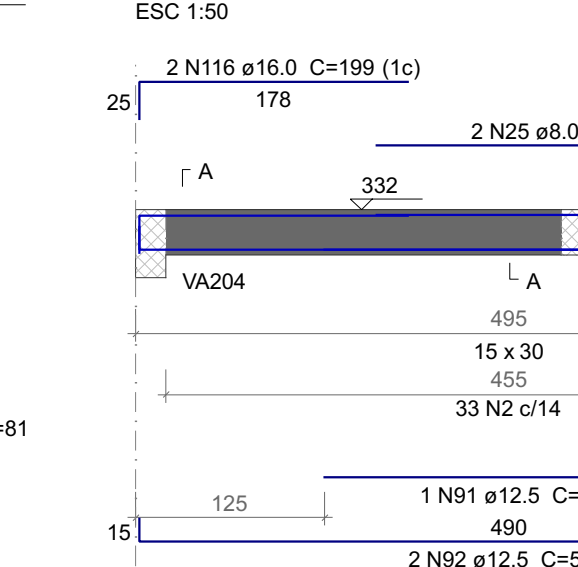
VA214



VA220



VA226



VA226



Relação do aço

COBERTURA 1:	VA201	VA202
VA203	VA204	VA205
VA206	VA207	VA208
VA209	VA210	VA211
VA212	VA213	VA214
VA215	VA216	VA217
VA218	VA219	VA220
VA221	VA222	VA223
VA224	VA225	VA226
VA227	VA228	VA229
VA230	VA231	VA232

TOPO RESERVATÓRIO (M=0)

ACD	N	DIAM	QUNT	C.UNIT	C.TOTAL
(mm)		(mm)		(mm)	(mm)
CABO	1	5.0	800	91	55000
	2	5.0	822	81	74682
	3	5.0	94	121	11374
	4	5.0	2	318	638
	5	5.0	2	421	842
	6	5.0	2	230	460
	7	5.0	2	250	500
	8	5.0	2	348	696
	9	5.0	28	111	3108
	10	5.0	2	428	856
	11	5.0	2	363	726
	12	5.0	2	443	886
	13	5.0	45	131	5895
	14	5.0	2	490	980
	15	5.0	2	343	686
	16	5.0	2	270	540
	17	5.0	2	310	620
	18	5.0	2	295	590
	19	5.0	26	81	1586
	20	5.0	2	235	470
	21	6.3	2	68	136
	22	6.3	12	500	6000
	23	6.3	6	975	5850
	24	6.3	214	122	26188
	25	6.3	2	251	502
	26	6.3	2	301	602
	27	10.0	2	255	510
	28	10.0	2	269	538
	29	10.0	2	408	816
	30	10.0	2	228	456
	31	10.0	2	228	456
	32	10.0	2	249	498
	33	10.0	2	375	750
	34	10.0	12	490	5880
	35	10.0	2	483	966
	36	10.0	2	89	178
	37	10.0	2	89	178
	38	10.0	2	205	410
	39	10.0	2	500	1000
	40	10.0	2	68	136
	41	10.0	2	126	252
	42	10.0	2	89	178
	43	10.0	2	112	224
	44	10.0	2	124	248
	45	10.0	2	84	168
	46	10.0	1	275	275
	47	10.0	2	74	148
	48	10.0	4	125	500
	49	10.0	2	140	280
	50	10.0	2	975	1950
	51	10.0	2	154	308
	52	10.0	2	629	1258
	53	12.5	8	960	7680
	54	12.5	3	160	480
	55	12.5	4	945	3780
	56	12.5	2	250	500
	57	12.5	7	230	1610
	58	12.5	2	245	490
	59	12.5	1	179	179
	60	12.5	2	1197	2394
	61	12.5	4	1200	4800
	62	12.5	2	879	1358
	63	12.5	1	305	305
	64	12.5	2	470	940
	65	12.5	2	129	258
	66	12.5	2	285	570
	67	12.5	2	265	530
	68	12.5	1	310	310
	69	12.5	1	770	770
	70	12.5	1	765	765
	71	12.5	3	320	960
	72	12.5	1	659	659
	73	12.5	4	1197	4788
	74	12.5	2	602	1204
	75	12.5	4	975	3900
	76	12.5	2	965	1930
	77	12.5	1	240	240
	78	12.5	2	848	1696
	79	12.5	1	190	190
	80	12.5	2	837	1674
	81	12.5	1	190	190
	82	12.5	2	655	1310
	83	12.5	2	465	930
	84	12.5	1	195	195
	85	12.5	2	1000	2000
	86	12.5	2	511	1022
	87	12.5	2	500	1000
	88	12.5	2	520	1040
	89	12.5	12	490	5880
	90	12.5	2	180	360
	91	12.5	1	260	260
	92	12.5	2	502	1004
	93	12.5	2	165	330
	94	12.5	2	1008	2016
	95	16.0	1	195	195
	96	16.0	2	952	1904
	97	16.0	1	315	315
	98	16.0	2	459	918
	99	16.0	1	325	325
	100	16.0	10	505	5050
	101	16.0	6	174	1044
	102	16.0	6	385	2310
	103	16.0	4	350	1400
	104	16.0	6	490	2940
	105	16.0	4	500	2000
	106	16.0	2	250	1160
	107	16.0	3	365	1095
	108	16.0	1	320	320
	109	16.0	2	821	1642
	110	16.0	2	169	338
	111	16.0	2	220	440
	112	16.0	1	205	205
	113	16.0	1	569	569
	114	16.0	2	376	1152
	115	16.0	2	300	600
	116	16.0	2	199	398

Resumo do aço

CABO	DIAM	C.TOTAL	PESO + 10 %
(mm)	(mm)	(mm)	(kg)
8.0	11.1	4.8	
10.0	203.2	137.8	
12.5	631.5	669.1	
16.0	241.3	429.3	
CABO	5.0	1612.3	273.4

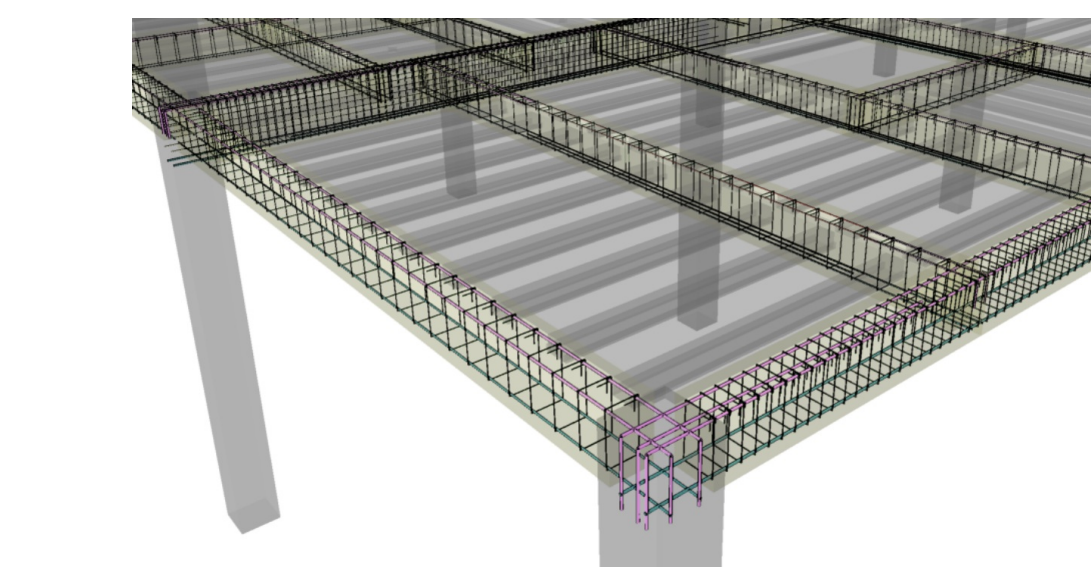
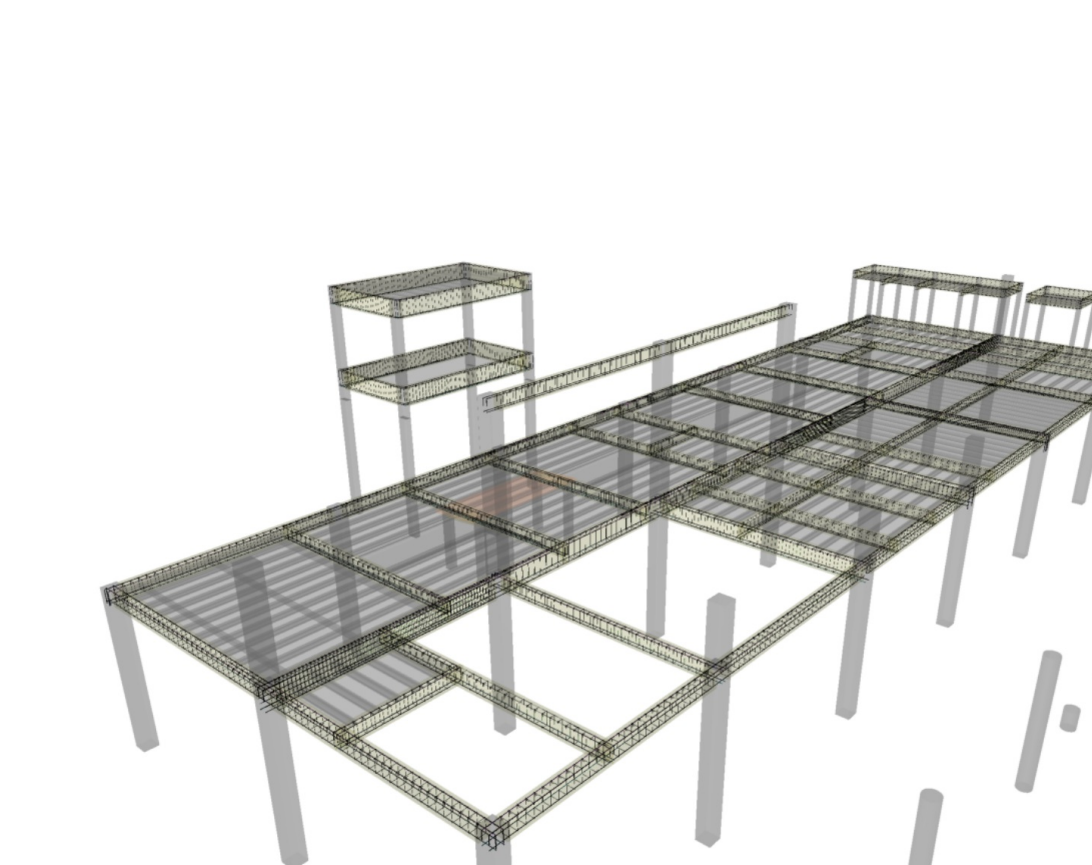
PESO TOTAL

CABO	1343.6
CABO	273.4

Volume de concreto (C-30) = 13.2 m³

Área de forma = 146.7 m²

PERSPECTIVA:



DETALHES ORIENTATIVOS:

1. CONCRETO F-14-15 A MPa (150 kgf/cm²); FATOR AJUSTAMENTO MÁXIMO = 0.60 kg/m³; CONSUMO MÍNIMO DE CIMENTO = 290 kg/m³; CLASSE DE ADRESSAMENTO ARMADURA: 1. MODERADA; DIMENSÃO MÁXIMA DO AGREGADO GRÁDUO