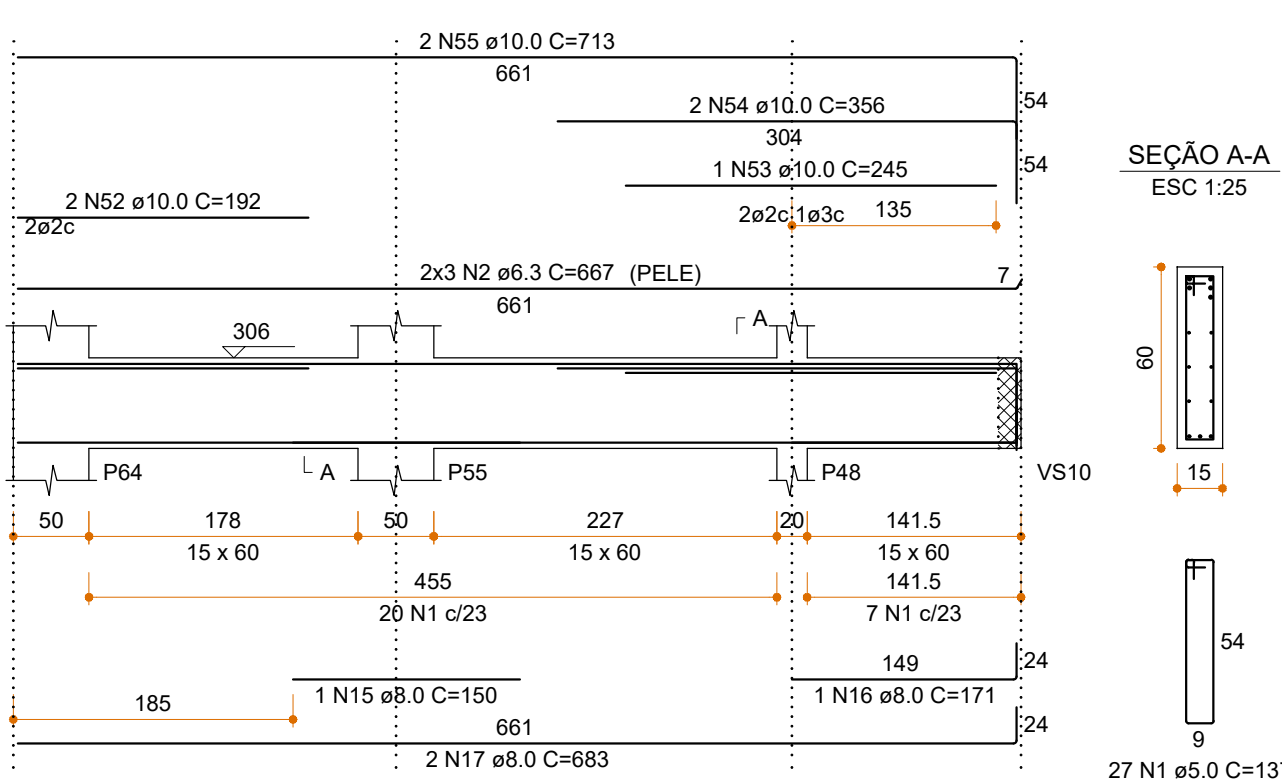
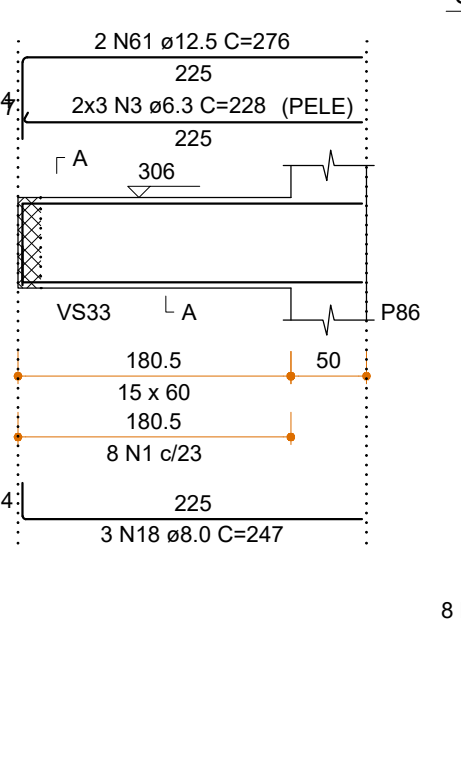


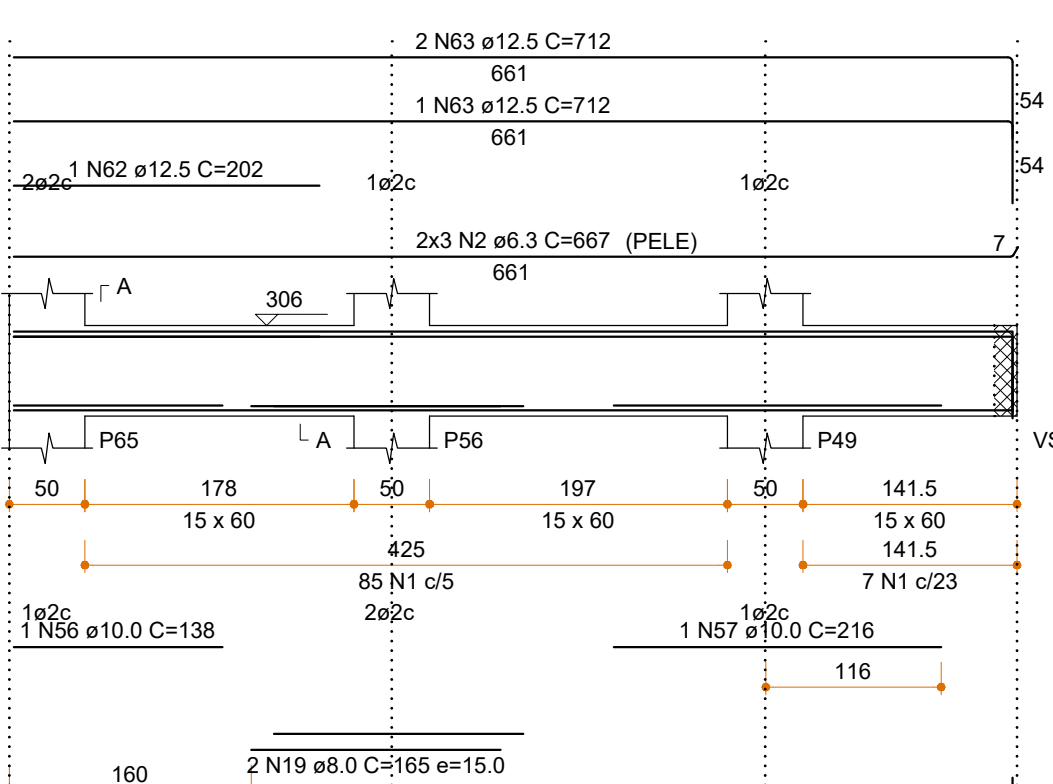
VS45  
ESC 1:50



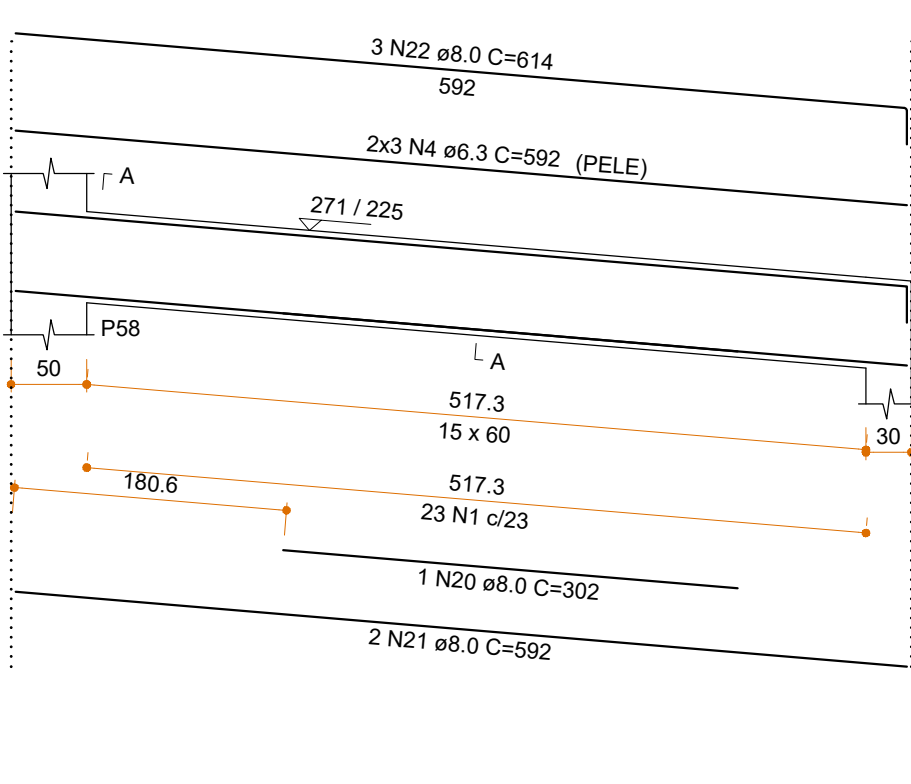
VS46  
ESC 1:50



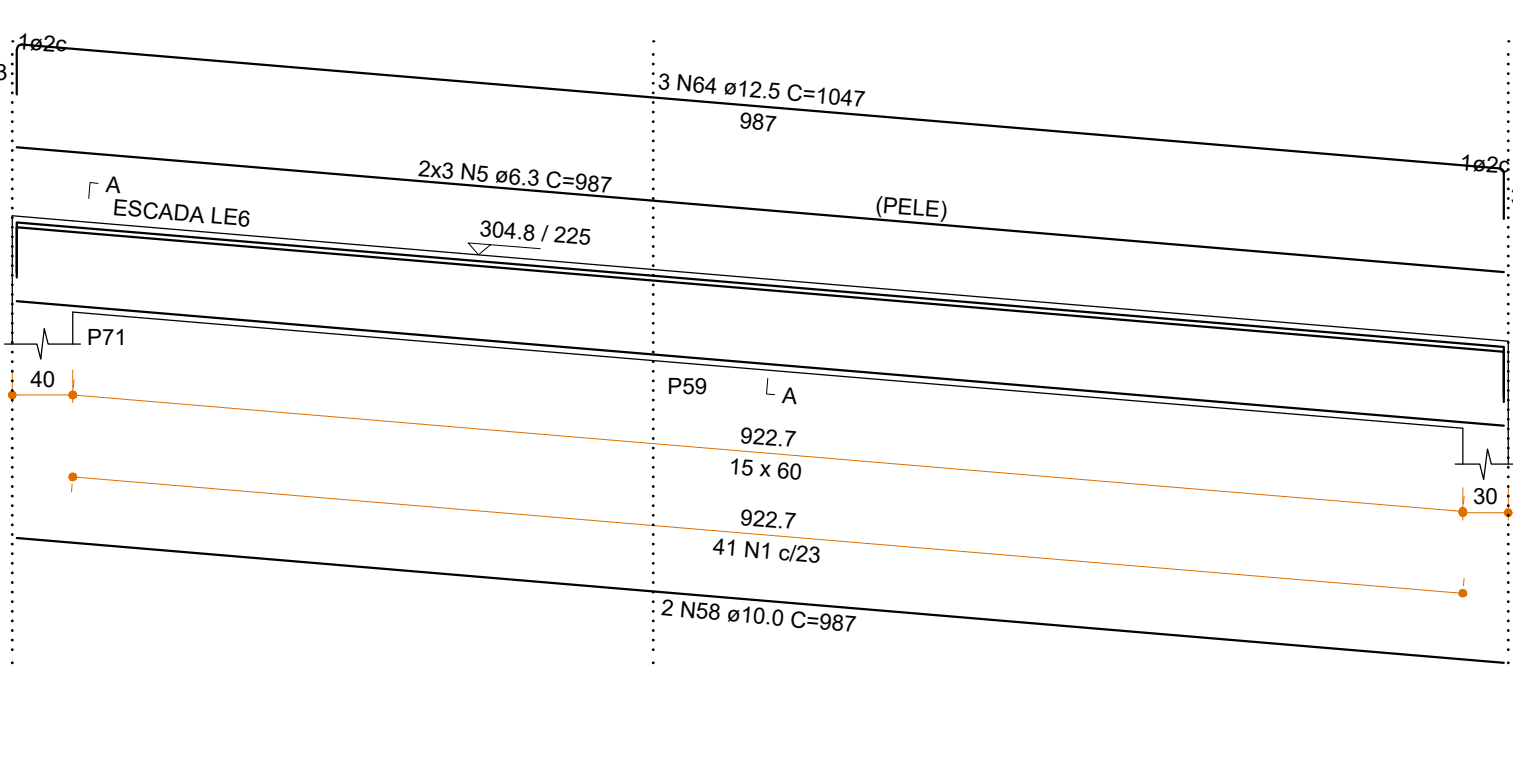
VS47  
ESC 1:50



VS76  
ESC 1:50

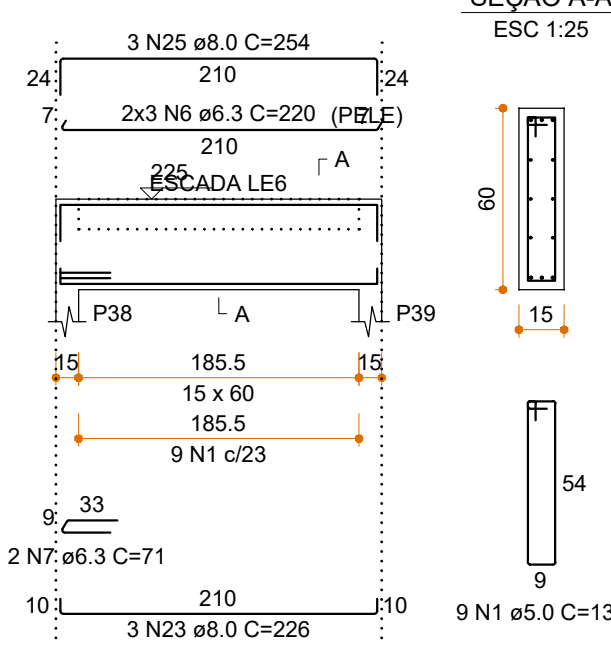


VS77  
ESC 1:50

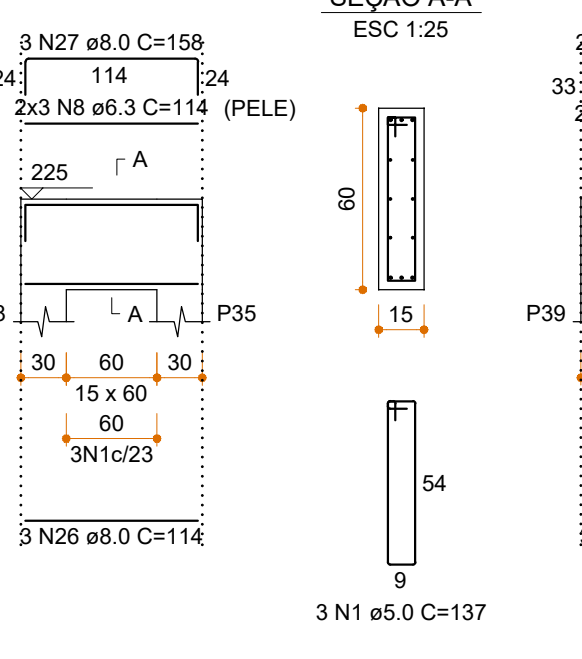


RELAÇÃO DO AÇO					RESUMO DO AÇO				
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)	AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 0% (kg)
CA50	1	5.0	518	137	70969	CA50	6.3	697.4	168.2
CA60	2	6.3	12	667	8004	CA50	8.0	563.5	223.3
	3	6.3	6	228	1368	CA60	10.0	73.7	45.4
	4	6.3	6	692	4152	CA60	12.5	60.3	38.1
	5	6.3	12	987	11844	PESO TOTAL (kg)			
	6	6.3	12	2640	31680	CA50	494.1		
	7	6.3	4	71	284	CA60	109.4		
	8	6.3	24	114	2736				
	9	6.3	12	607	7284				
	10	6.3	12	927	11124				
	11	6.3	12	419	5028				
	12	6.3	12	171	2052				
	13	6.3	12	219	2628				
	14	6.3	6	988	5928				
	15	8.0	1	150	150				
	16	8.0	3	247	741				
	17	8.0	5	683	3415				
	18	8.0	3	247	741				
	19	8.0	2	165	330				
	20	8.0	1	302	302				
	21	8.0	2	592	1184				
	22	8.0	3	614	1842				
	23	8.0	6	226	1356				
	24	8.0	3	254	762				
	25	8.0	3	254	762				
	26	8.0	12	114	1368				
	27	8.0	3	158	474				
	28	8.0	2	702	1404				
	29	8.0	4	957	3828				
	30	8.0	3	1001	3003				
	31	8.0	1	737	737				
	32	8.0	4	927	3708				
	33	8.0	3	971	2913				
	34	8.0	1	300	300				
	35	8.0	2	409	818				
	36	8.0	3	453	1359				
	37	8.0	3	426	1279				
	38	8.0	3	457	1371				
	39	8.0	6	187	1122				
	40	8.0	6	239	1434				
	41	8.0	1	717	717				
	42	8.0	3	1003	3009				
	43	8.0	6	225	1350				
	44	8.0	6	253	1518				
	45	8.0	3	136	408				
	46	8.0	3	188	564				
	47	8.0	1	275	275				
	48	8.0	6	987	5922				
	49	8.0	1	306	306				
	50	8.0	2	692	1384				
	51	8.0	4	1040	4160				
	52	10.0	2	192	384				
	53	10.0	1	245	245				
	54	10.0	2	356	712				
	55	10.0	2	713	1426				
	56	10.0	1	138	138				
	57	10.0	1	216	216				
	58	10.0	2	987	1974				
	59	10.0	2	171	342				
	60	10.0	2	966	1932				
	61	12.5	2	276	552				
	62	12.5	1	202	202				
	63	12.5	3	712	2136				
	64	12.5	3	1047	3141				

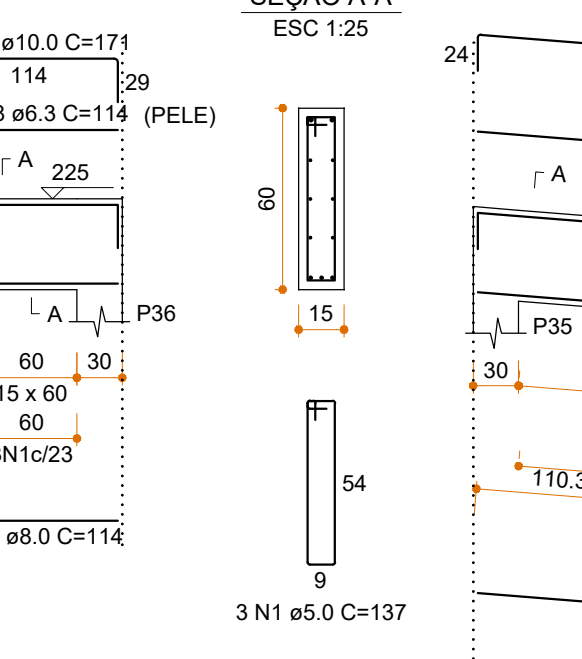
VS79  
ESC 1:50



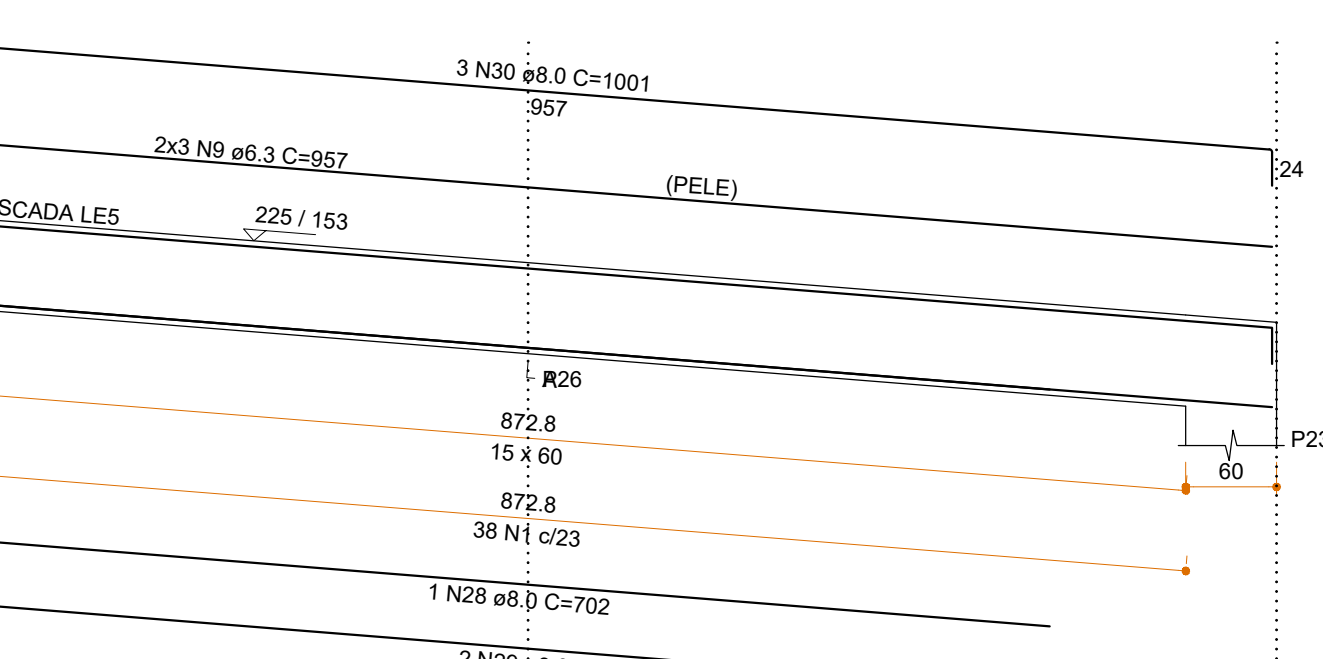
VS80  
ESC 1:50



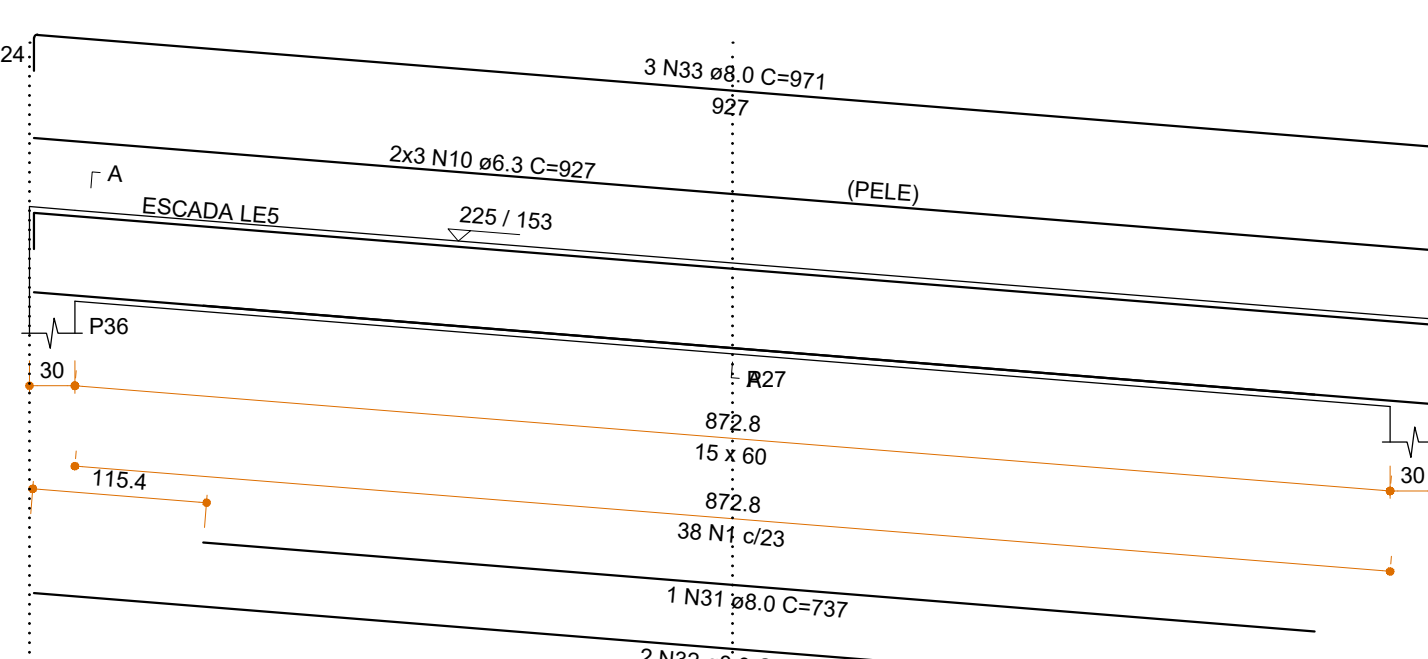
VS81  
ESC 1:50



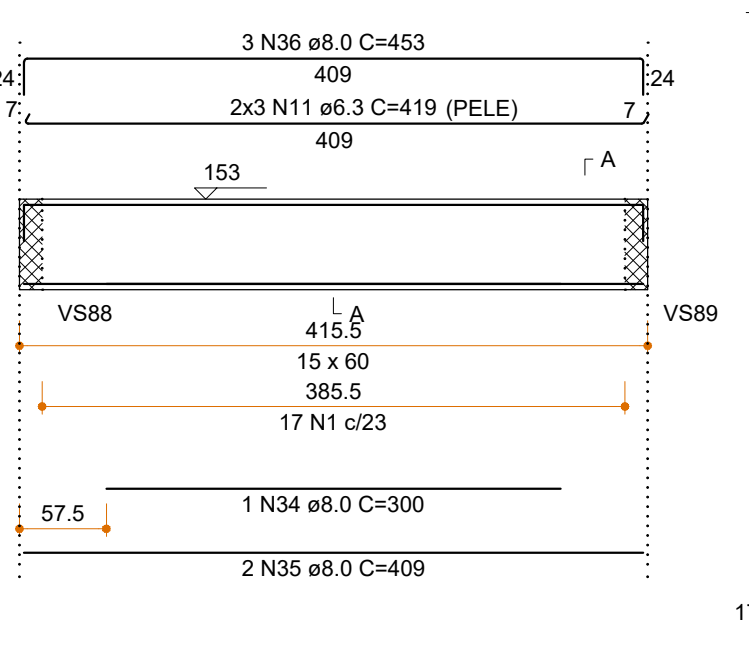
VS82  
ESC 1:50



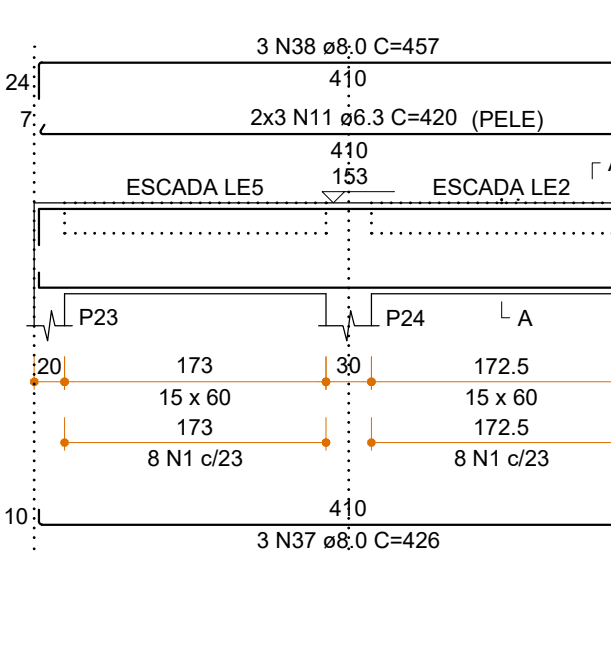
VS83  
ESC 1:50



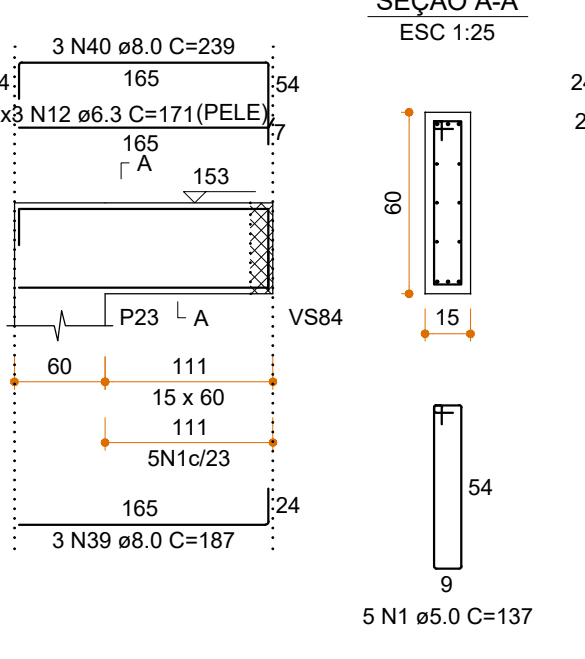
VS84  
ESC 1:50



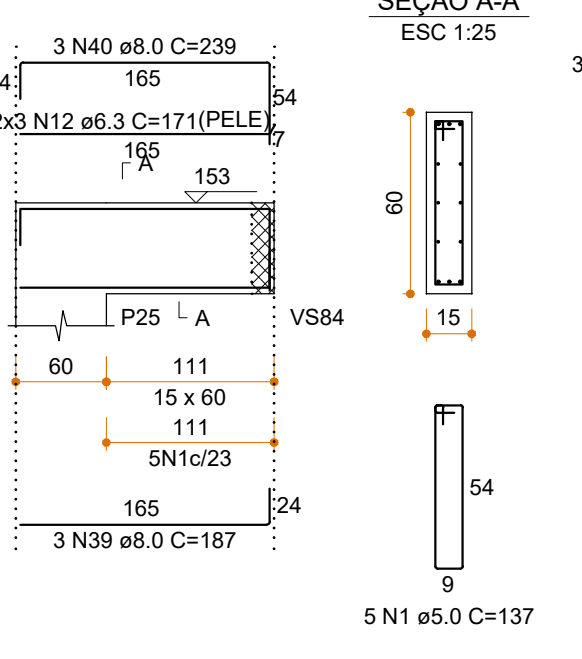
VS85  
ESC 1:50



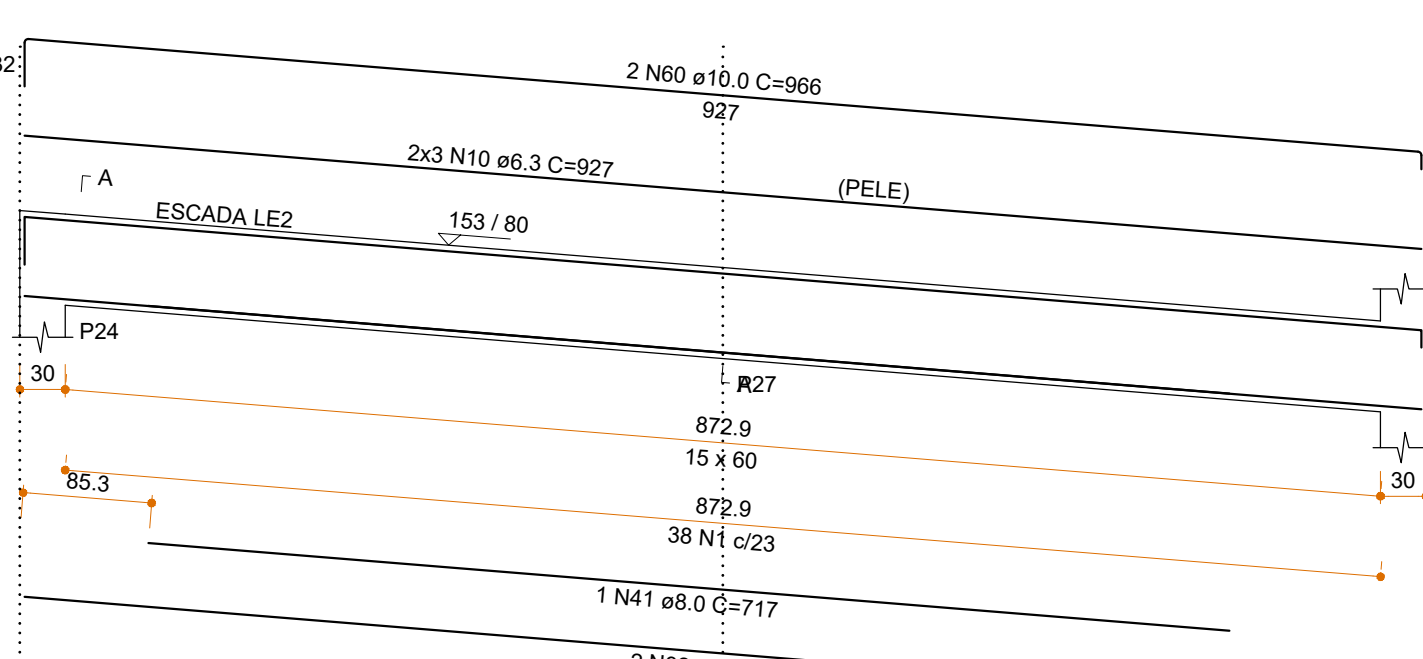
VS88  
ESC 1:50



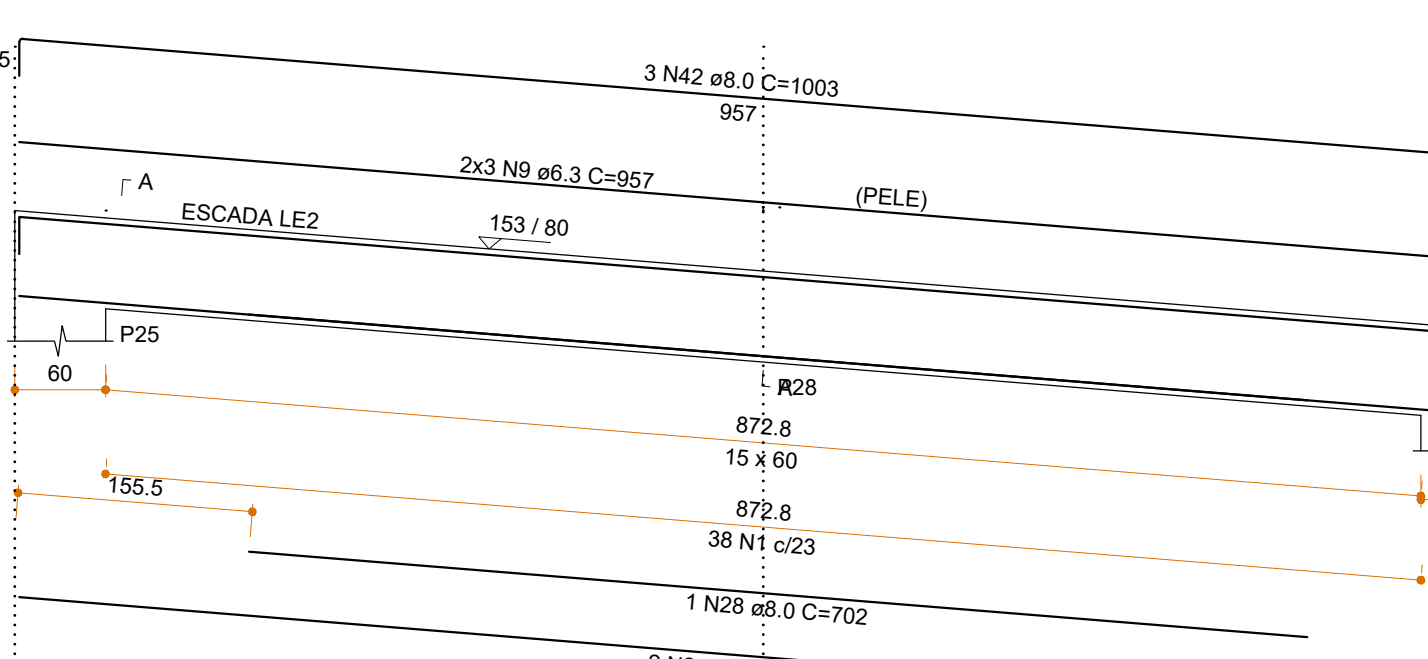
VS89  
ESC 1:50



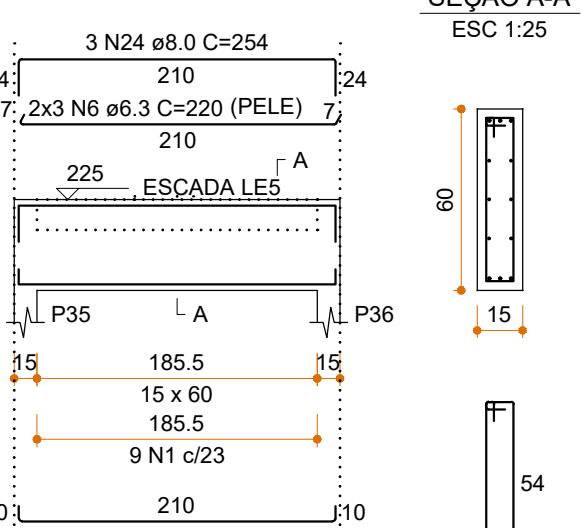
VS92  
ESC 1:50



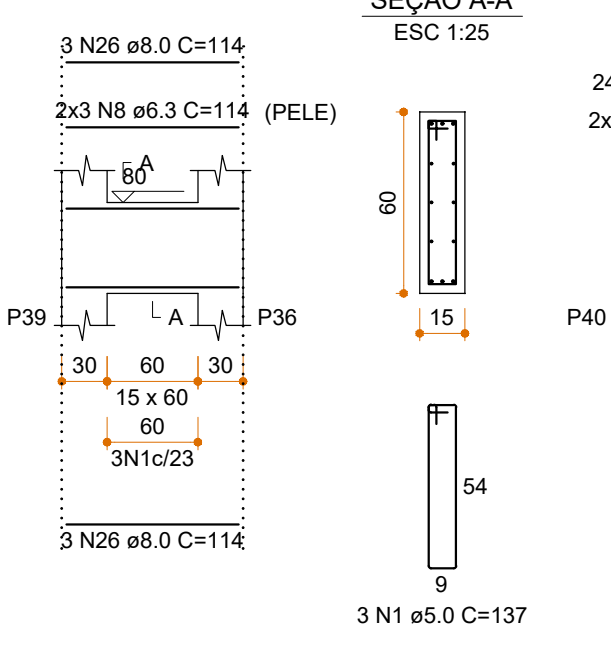
VS93  
ESC 1:50



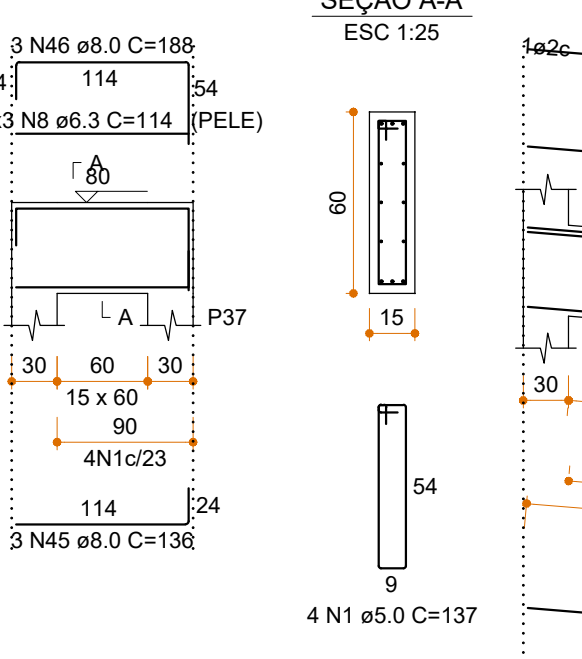
VS78  
ESC 1:50



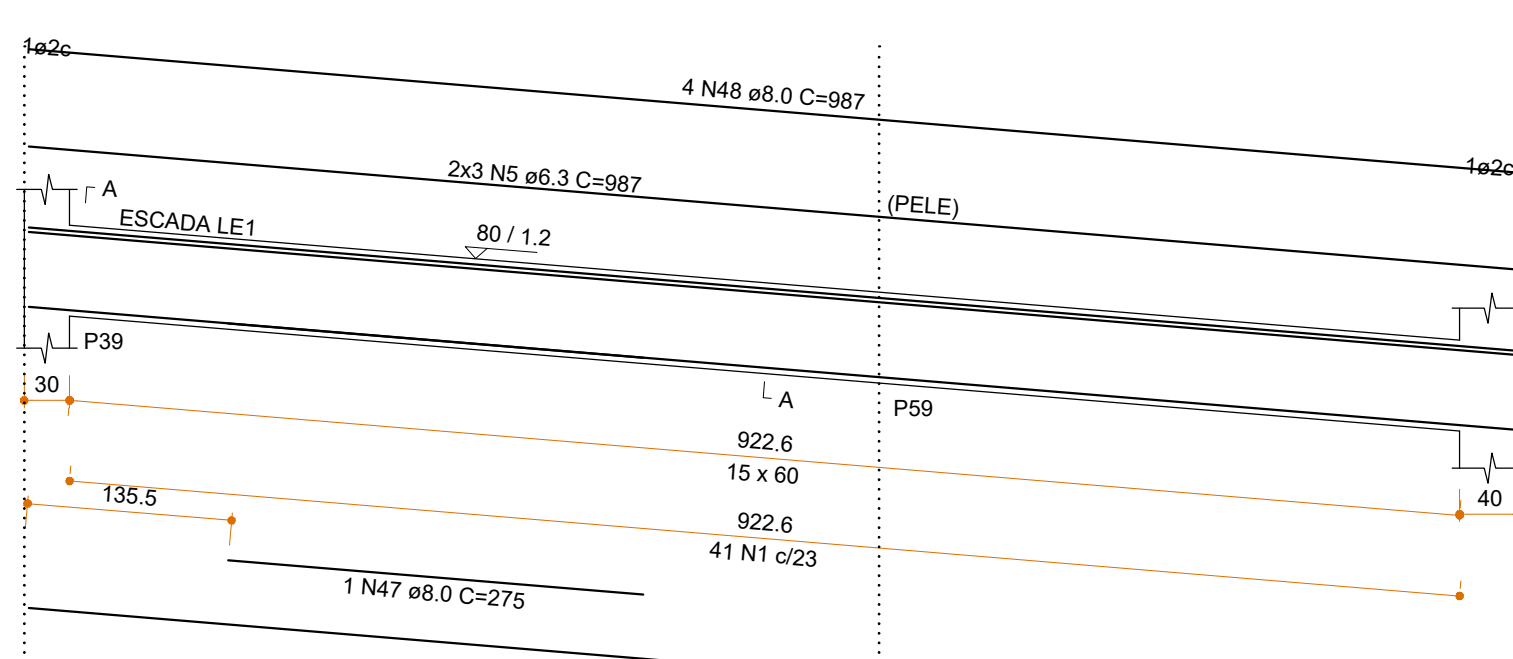
VS96  
ESC 1:50



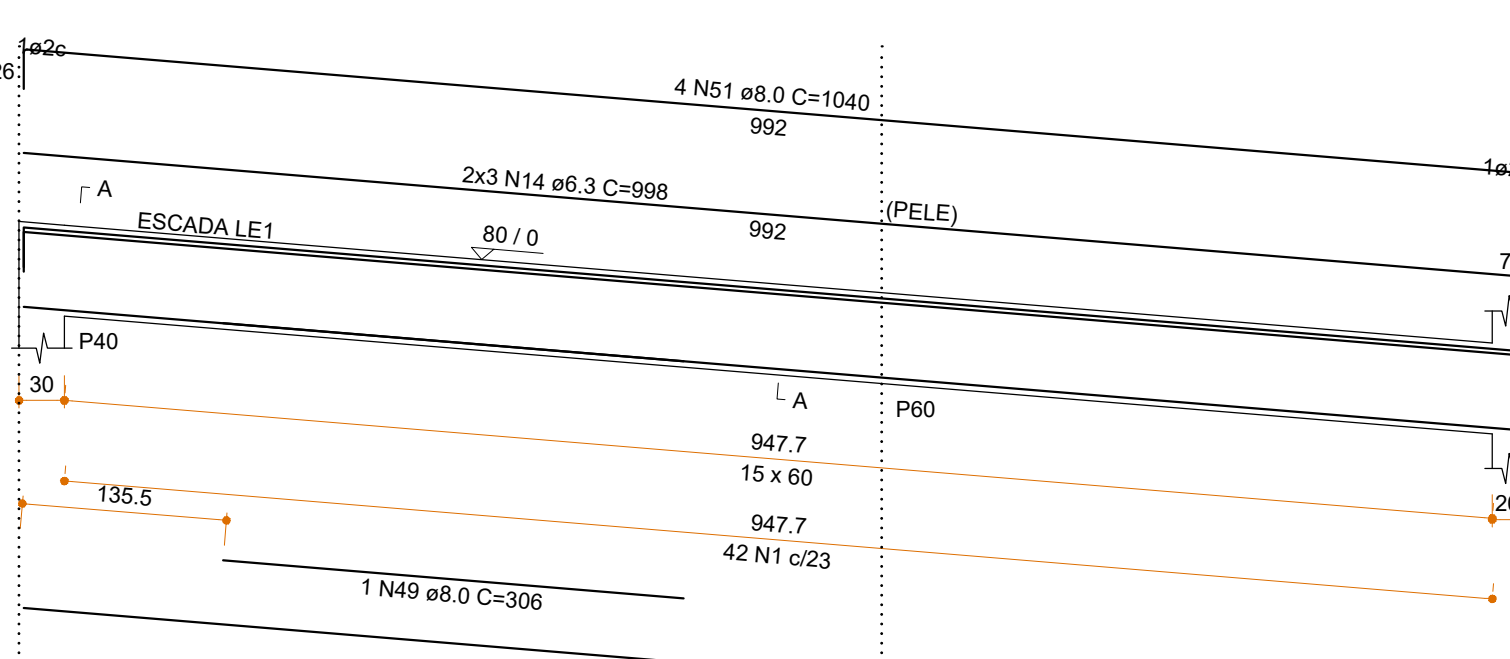
VS97  
ESC 1:50



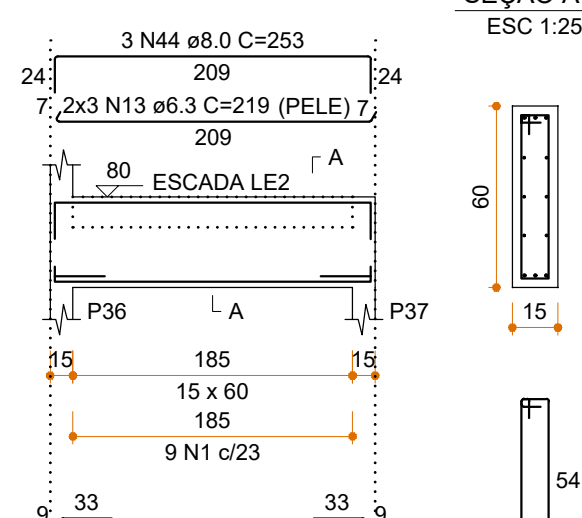
VS98  
ESC 1:50



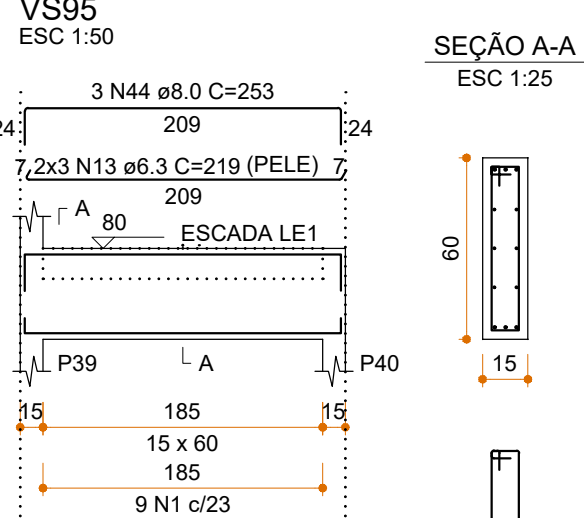
VS99  
ESC 1:50



VS94  
ESC 1:50



VS95  
ESC 1:50



RELAÇÃO DO AÇO

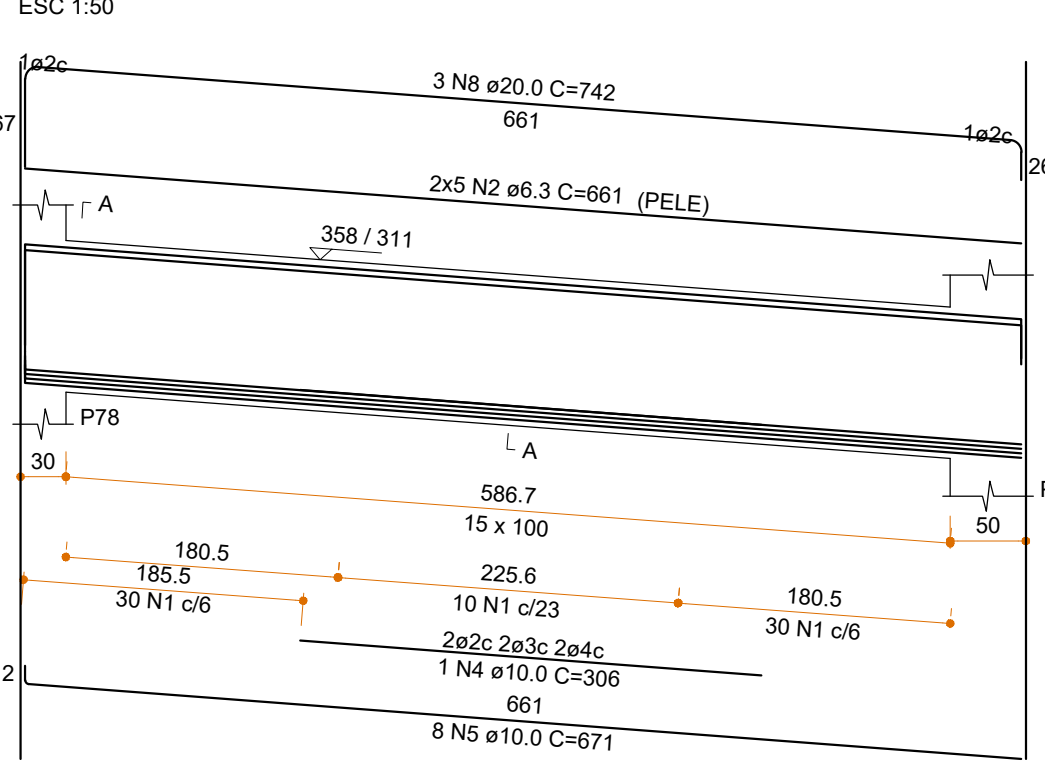
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA50	1	5.0	138	217	29946
CA60	2	6.3	10	661	6610
CA50	3	6.3	10	661	6610
CA50	4	10.0	1	306	306
CA50	5	10.0	8	671	5368
CA50	6	12.5	1	341	341
CA50	7	12.5	5	681	3405
CA50	8	20.0	3	742	2226
CA50	9	20.0	1	237	237
CA50	10	20.0	3	721	2163

RESUMO DO AÇO

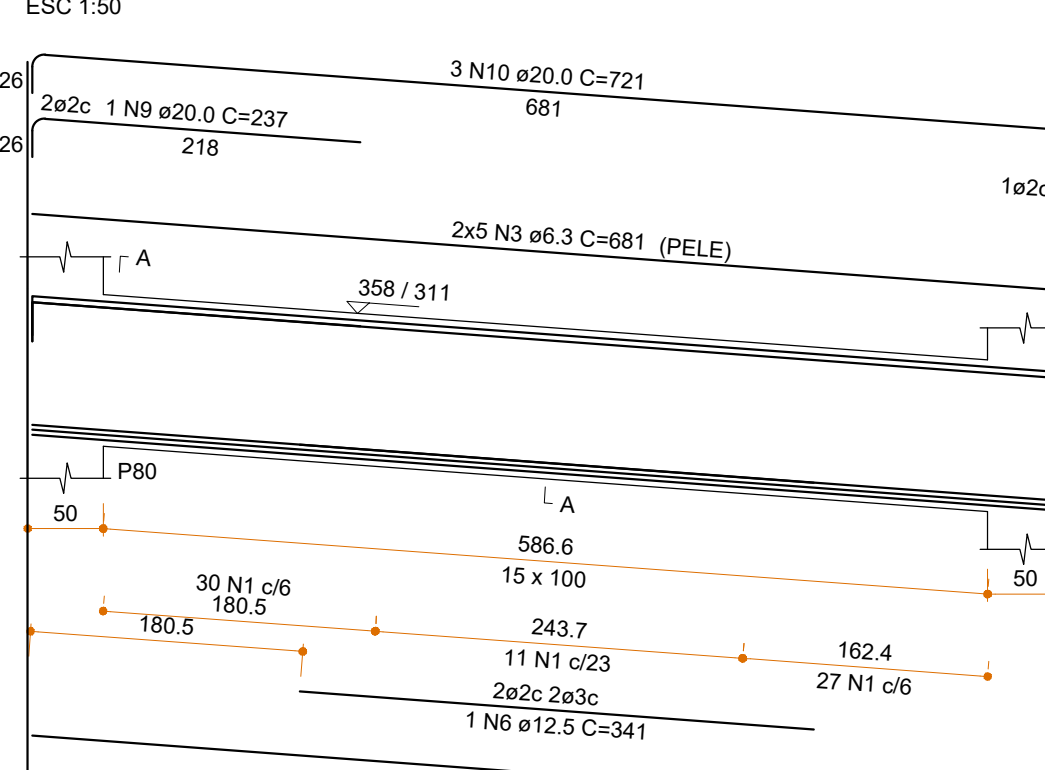
AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 0% (kg)
CA50	6.3	134.2	32.8
CA50	10.0	56.7	35
CA50	12.5	37.5	36.1
CA50	20.0	46.3	114.1
CA50	5.0	299.5	46.2
PESO TOTAL (kg)			
CA50	218		
CA60	46.2		

Volume de concreto (C-30) = 1.76 m³  
Área de forma = 22.30 m²

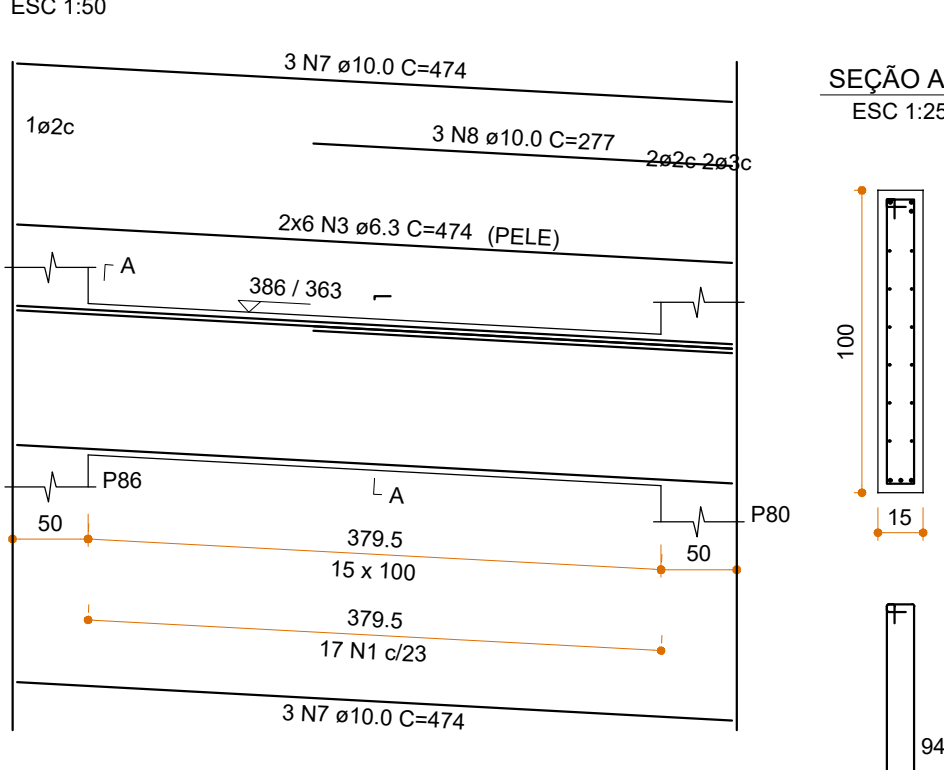
VC60  
ESC 1:50



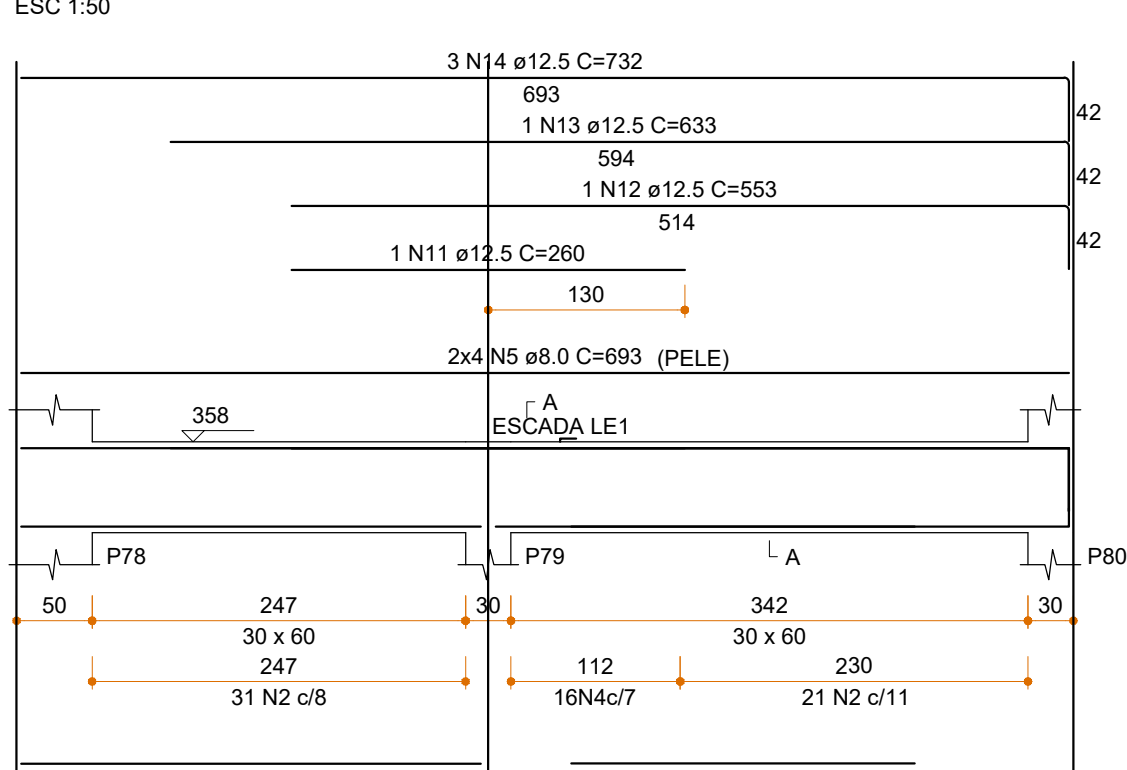
VC61  
ESC 1:50



VC58  
ESC 1:50



VC59  
ESC 1:50



RELAÇÃO DO AÇO

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	17	217	3689
CA50	2	5.0	52	167	8684
CA50	3	6.3	12	474	5688
CA50	4	6.3	16	168	2688
CA50	5	8.0	8	693	5544
CA50	6	8.0	6	304	1824
CA50	7	10.0	6	474	2844
CA50	8	10.0	3	277	831
CA50	9	10.0	1	227	227
CA50	10	10.0	3	389	1167
CA50	11	12.5	1	260	260
CA50	12	12.5	1	553	553
CA50	13	12.5	1	633	633
CA50	14	12.5	3	732	2196

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 0% (kg)
CA50	6.3	83.8	20.5