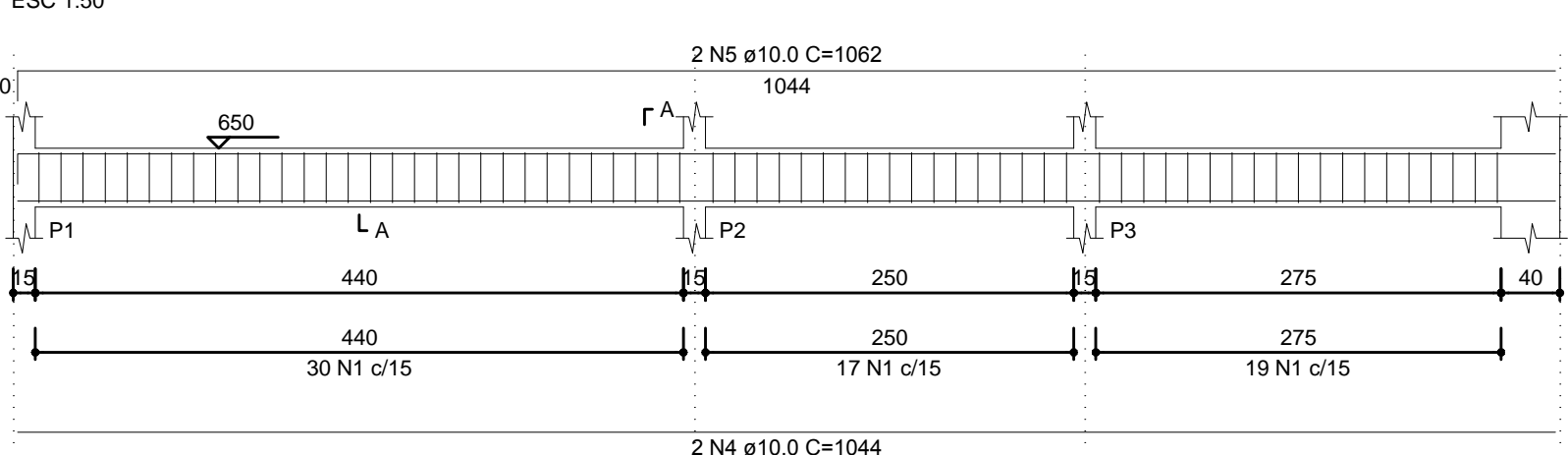
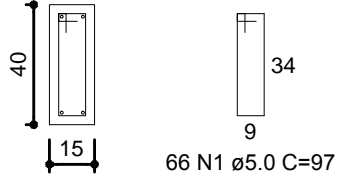
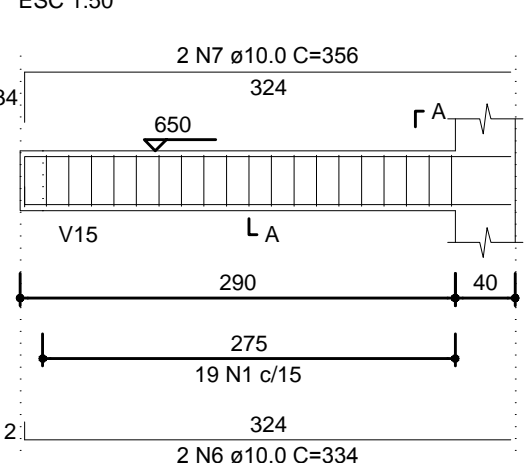
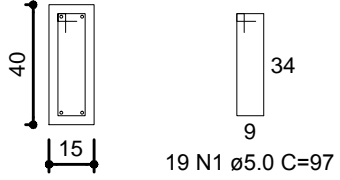


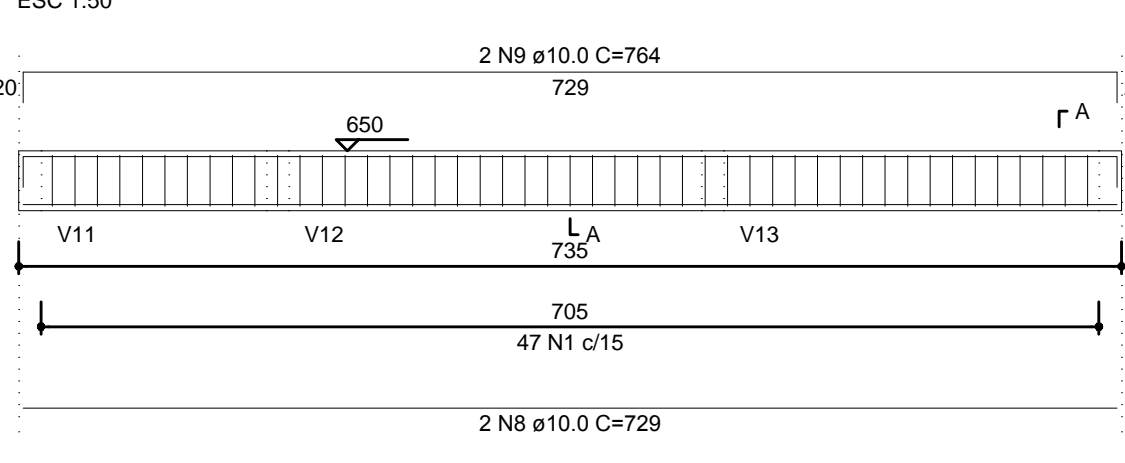
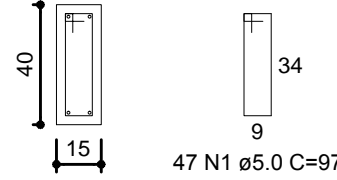
V1 (15 x 40)

SEÇÃO A-A  
ESC 1:25

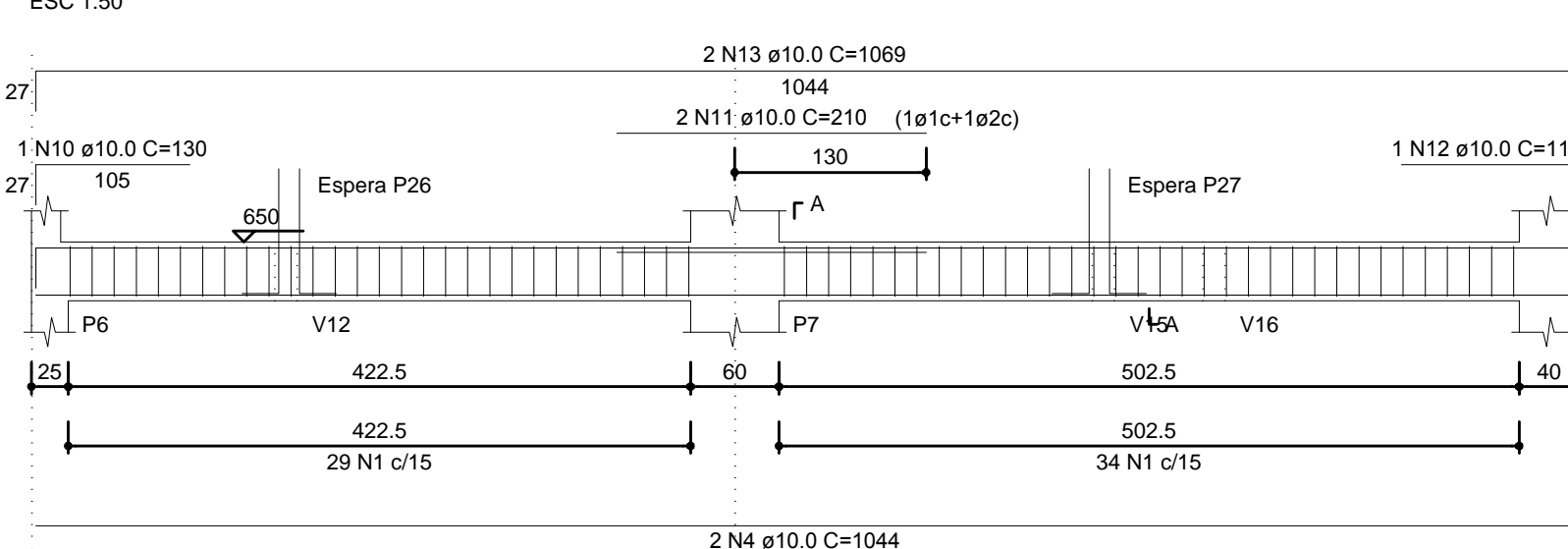
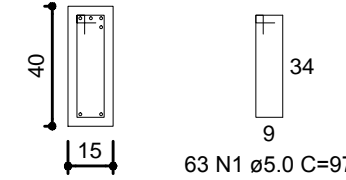
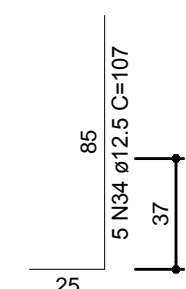
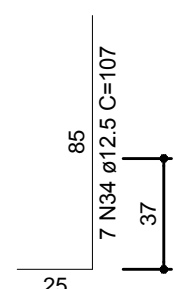
V2 (15 x 40)

SEÇÃO A-A  
ESC 1:25

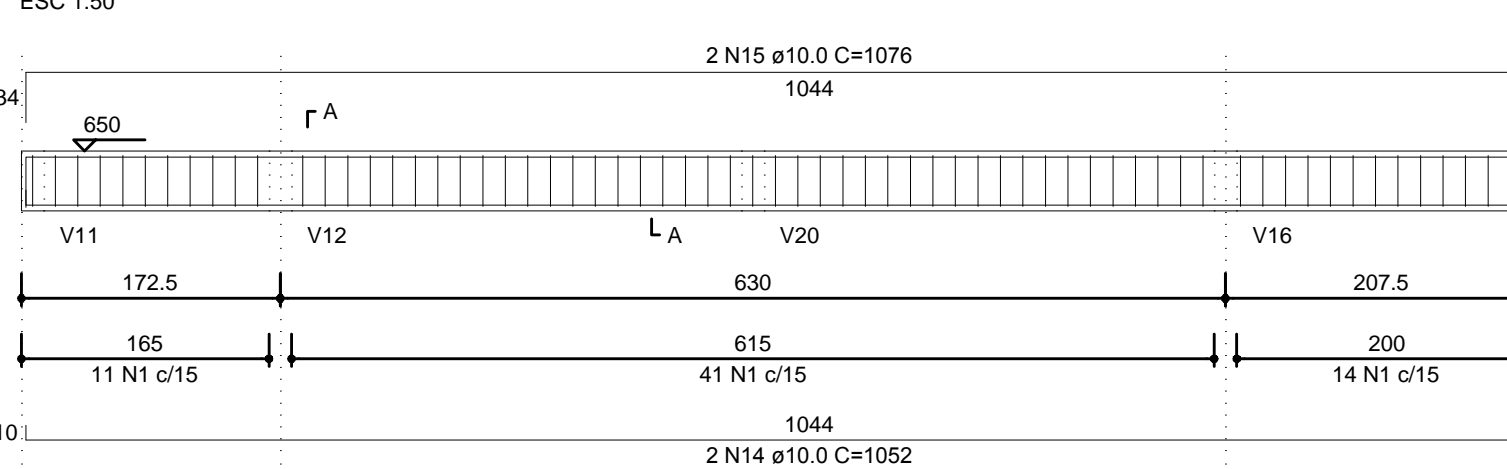
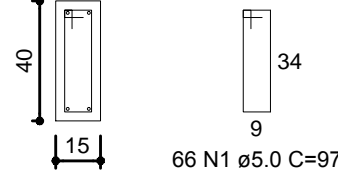
V3 (15 x 40)

SEÇÃO A-A  
ESC 1:25

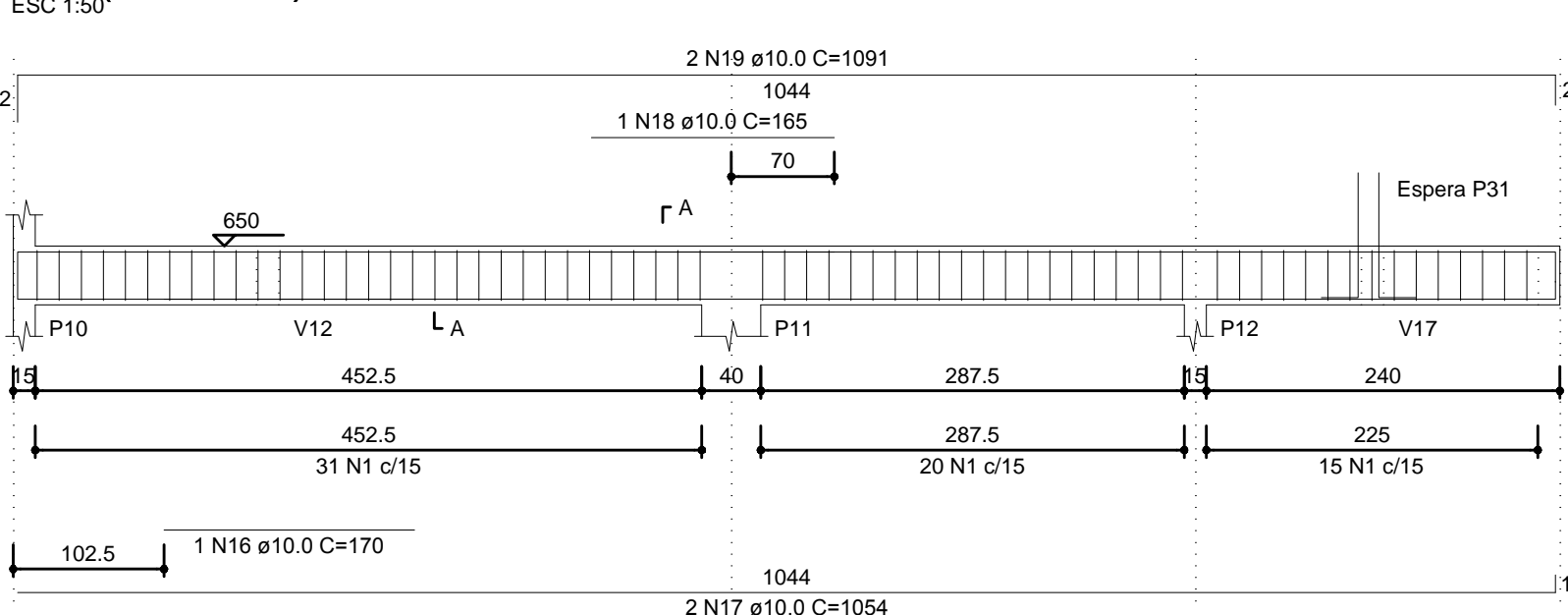
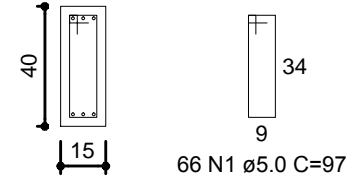
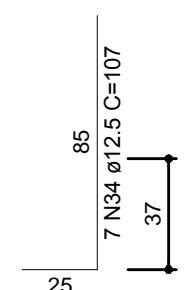
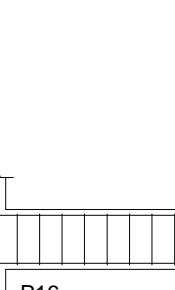
V4 (15 x 40)

SEÇÃO A-A  
ESC 1:25ESPERA P26  
ESC 1:25ESPERA P27  
ESC 1:25

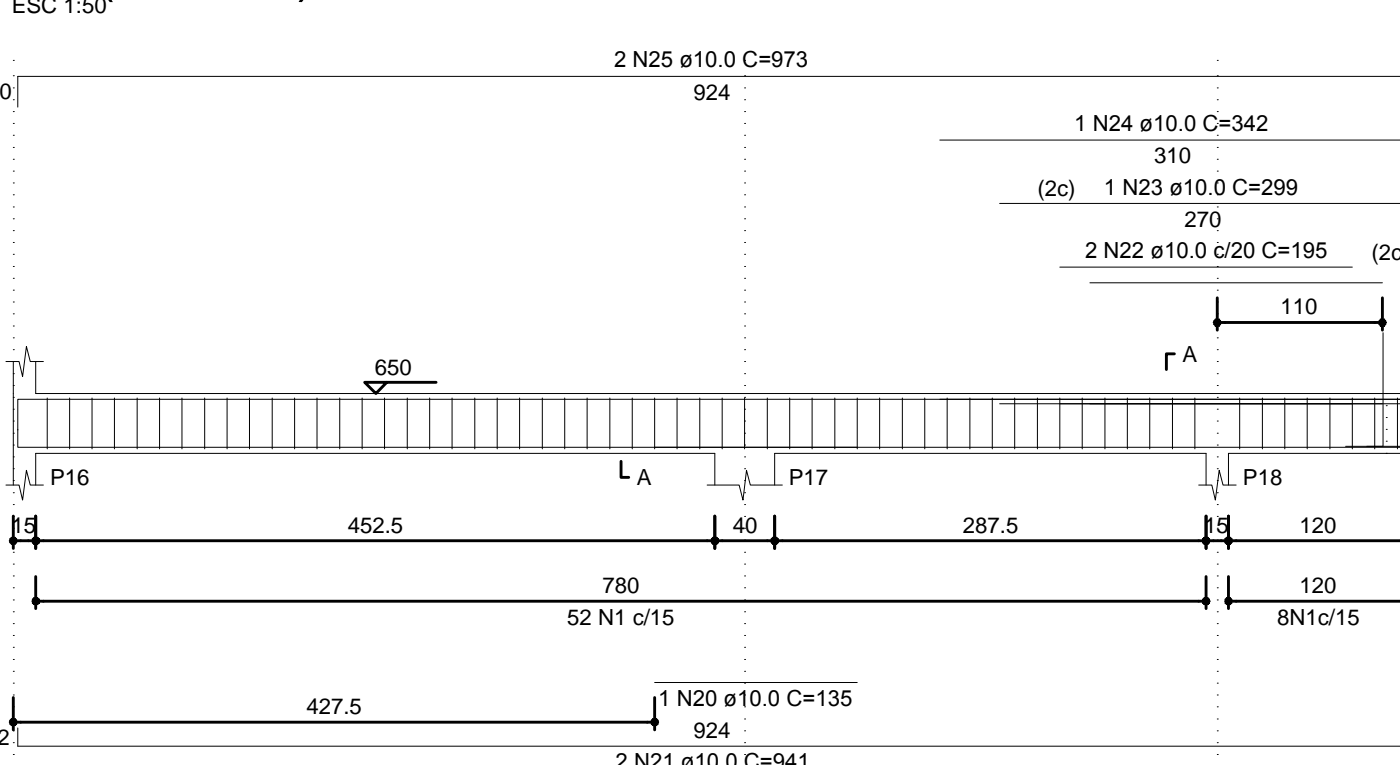
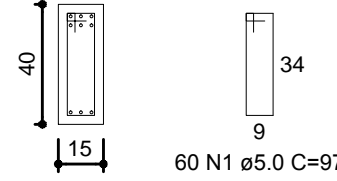
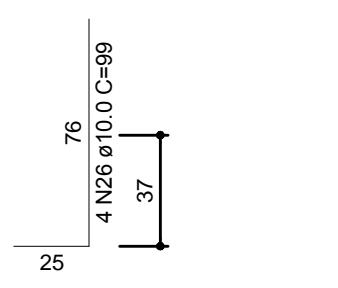
V5 (15 x 40)

SEÇÃO A-A  
ESC 1:25

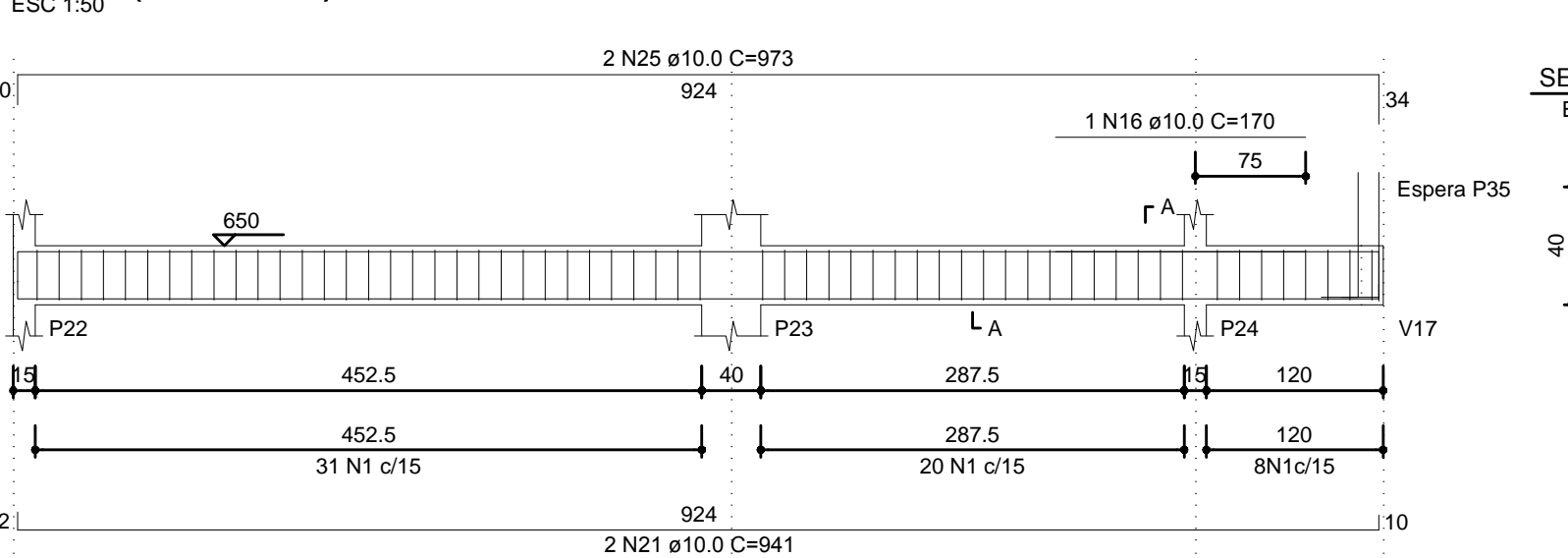
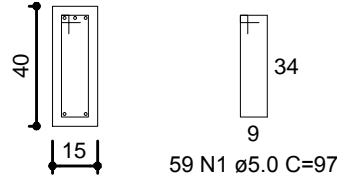
V6 (15 x 40)

SEÇÃO A-A  
ESC 1:25ESPERA P31  
ESC 1:25ESPERA P33  
ESC 1:25

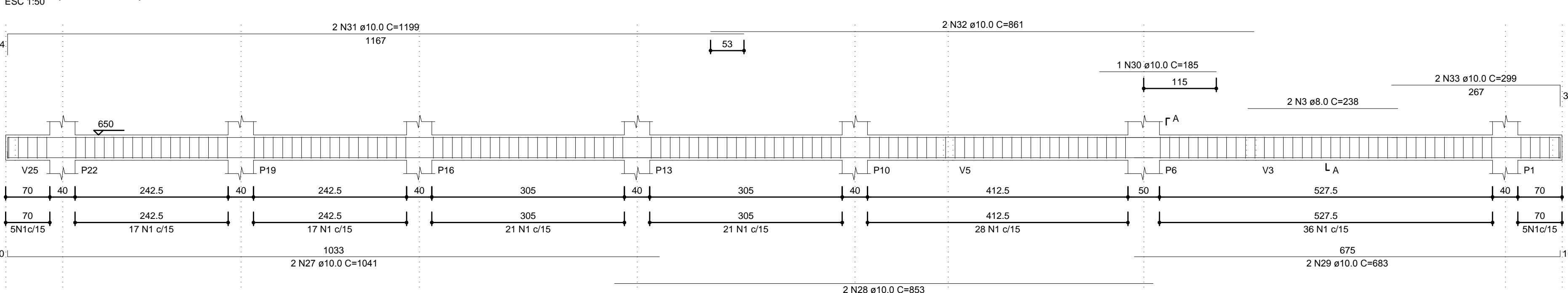
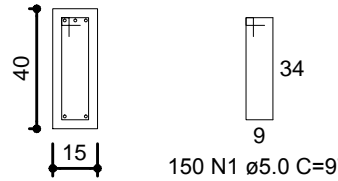
V8 (15 x 40)

SEÇÃO A-A  
ESC 1:25ESPERA P33  
ESC 1:25

V10 (15 x 40)

SEÇÃO A-A  
ESC 1:25ESPERA P35  
ESC 1:25

V11 (15 x 40)

SEÇÃO A-A  
ESC 1:25

Detalhe Vigas Cobertura  
Escala 1:50

RELAÇÃO DO AÇO					
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	596	97	57812
CA50	2	5.0	16	55	880
	3	8.0	2	238	476
	4	10.0	4	1044	4176
	5	10.0	2	1062	2124
	6	10.0	2	334	668
	7	10.0	2	356	712
	8	10.0	2	729	1458
	9	10.0	2	764	1528
	10	10.0	1	130	130
	11	10.0	2	210	420
	12	10.0	1	117	117
	13	10.0	2	1069	2138
	14	10.0	2	1052	2104
	15	10.0	2	1076	2152
	16	10.0	2	170	340
	17	10.0	2	1054	2108
	18	10.0	1	165	165
	19	10.0	2	1091	2182
	20	10.0	1	135	135
	21	10.0	4	941	3764
	22	10.0	2	195	390
	23	10.0	1	299	299
	24	10.0	1	342	342
	25	10.0	4	973	3892
	26	10.0	4	99	396
	27	10.0	2	1041	2082
	28	10.0	2	853	1706
	29	10.0	2	683	1366
	30	10.0	1	185	185
	31	10.0	2	1199	2398
	32	10.0	2	861	1722
	33	10.0	2	299	598
	34	12.5	28	107	2996

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	8.0	4.8	1.89
	10.0	418	255.15
	12.5	30	28.53
CA60	5.0	587.1	89.55
PESO TOTAL (kg)			
CA50		285.57	
CA60		89.55	

Volume de concreto (C-30) = 5.75 m³  
Área de forma = 91.11 m²

## PREFEITURA MUNICIPAL

Administração 2021 / 2024

ADMINISTRAÇÃO	RESP. TÉCNICO	PRIMEIRA
		11/13
		PROJETO
		ESTRUTURAL
OBRA	REFORMA E AMPLIAÇÃO CMEI NONA LUIZA	ÁREA Área da edificação Existente: 755,65 m² Área de Reforma: 244,61 m² Área a Ampliar: 228,80 m² Área Total: 984,45 m²
ESPECIFICAÇÕES		DATA
		SETEMBRO / 2021
		LOTE
		5/6
		QUADRA
		01
LOCAL	RUA PAULO ANTONIO DE GODOY BAIRRO DA LUZ	ESCALA
		INDICADA
MUNICÍPIO	PARANÁ	ARQUIVO