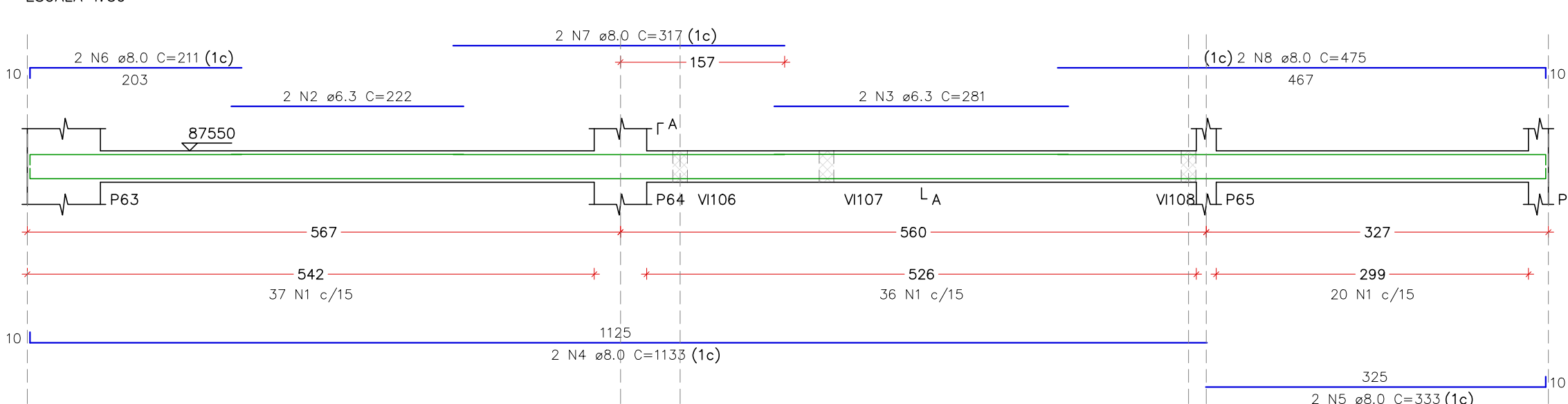
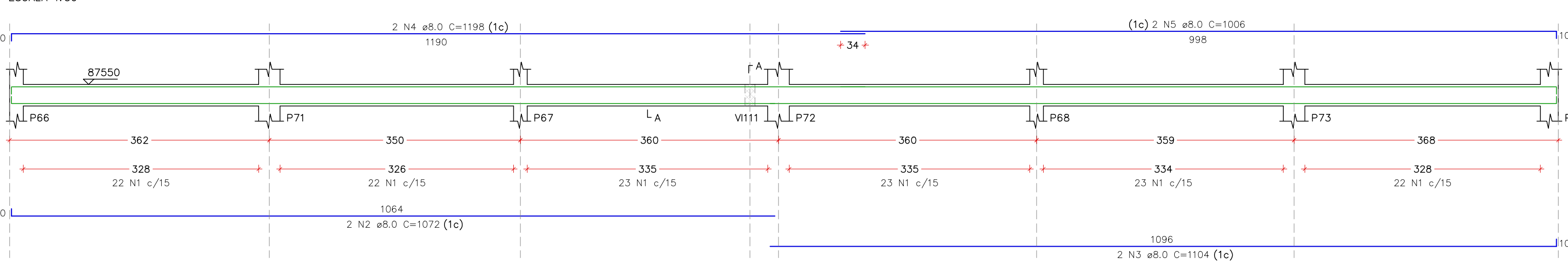


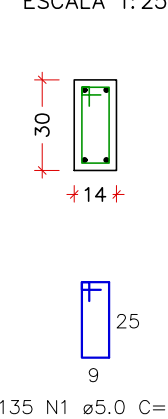
VI101  
ESCALA 1:50



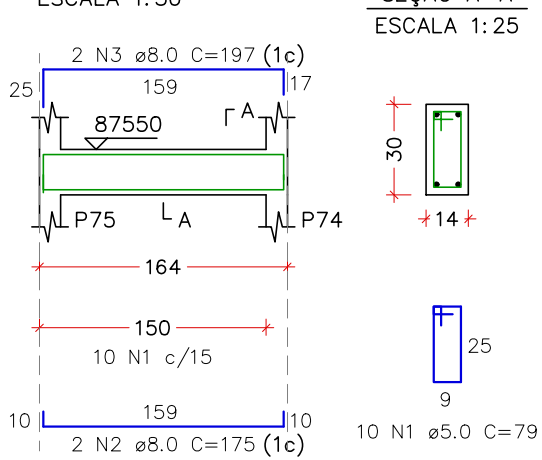
VI102  
ESCALA 1:50



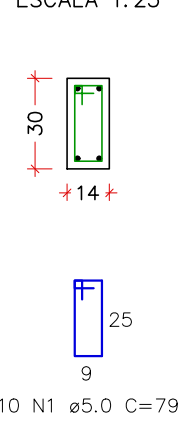
SEÇÃO A-A  
ESCALA 1:25



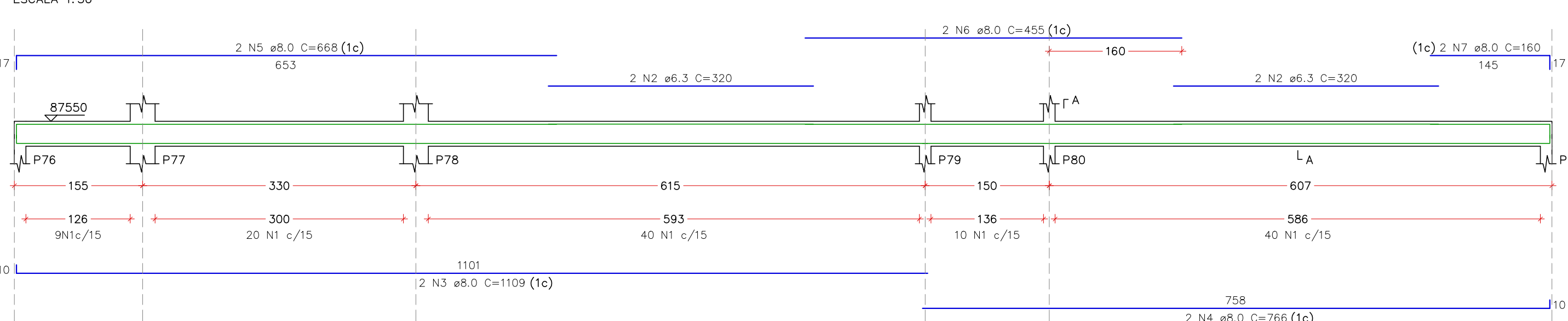
VI103  
ESCALA 1:50



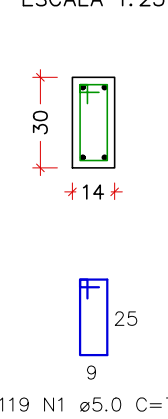
SEÇÃO A-A  
ESCALA 1:25



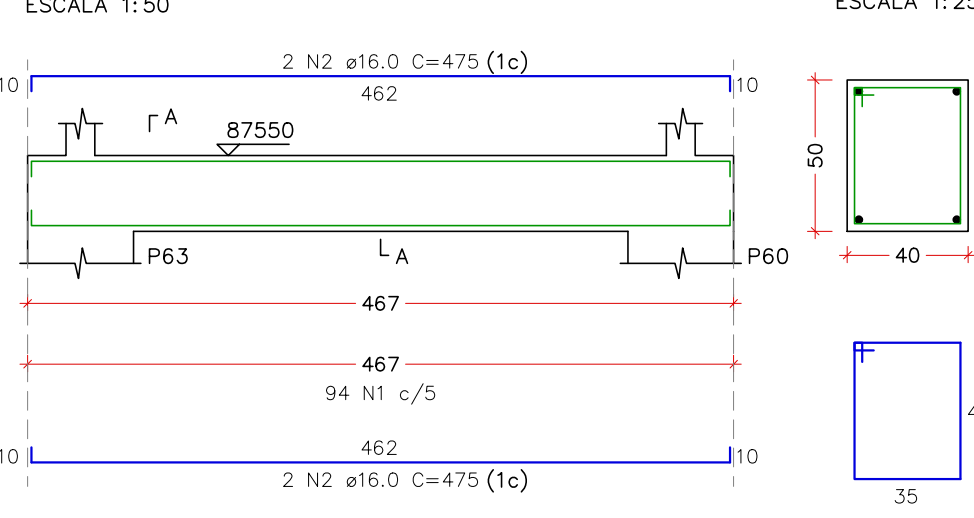
VI104  
ESCALA 1:50



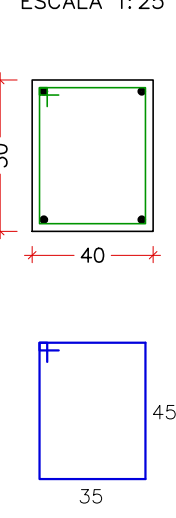
SEÇÃO A-A  
ESCALA 1:25



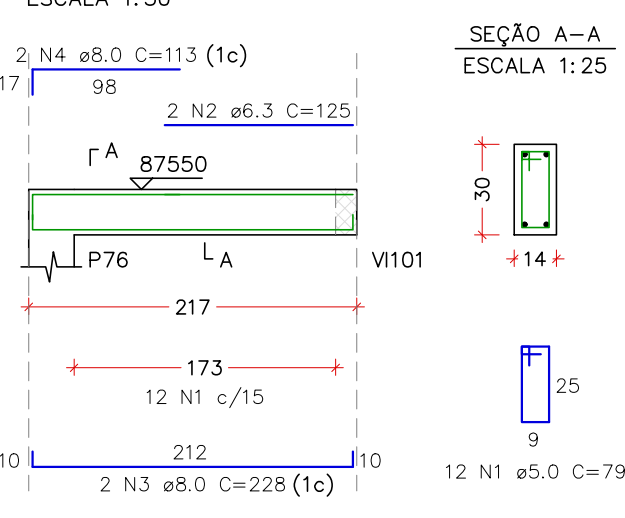
VI105  
ESCALA 1:50



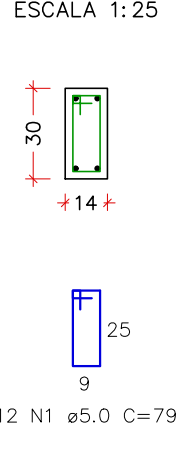
SEÇÃO A-A  
ESCALA 1:25



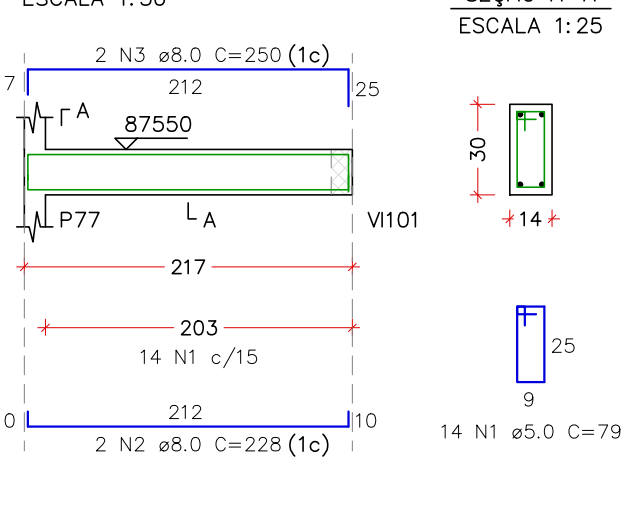
VI106  
ESCALA 1:50



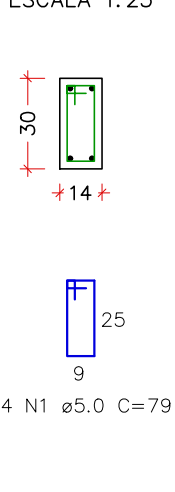
SEÇÃO A-A  
ESCALA 1:25



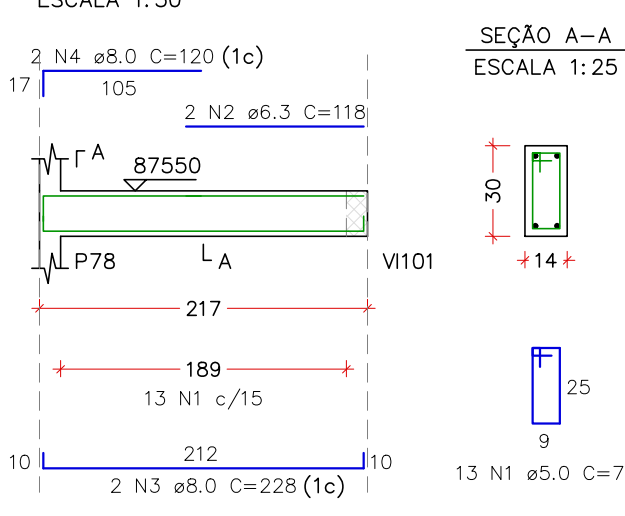
VI107  
ESCALA 1:50



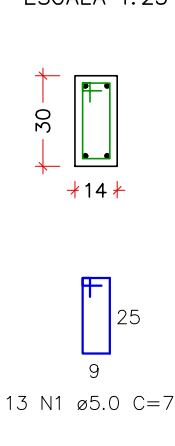
SEÇÃO A-A  
ESCALA 1:25



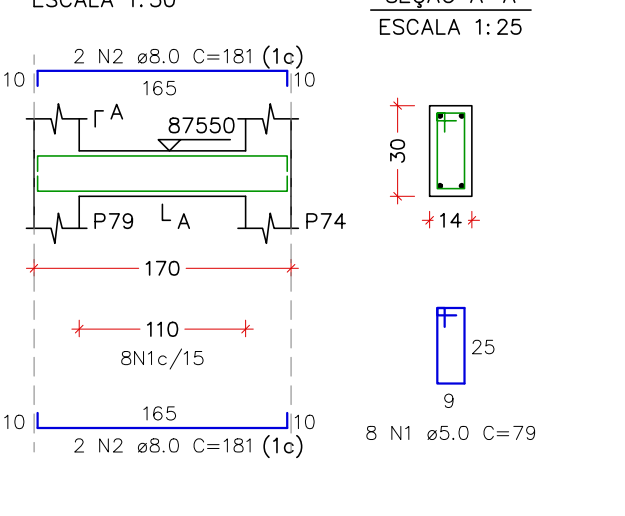
VI108  
ESCALA 1:50



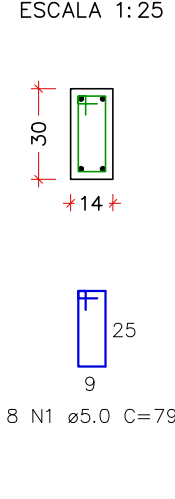
SEÇÃO A-A  
ESCALA 1:25



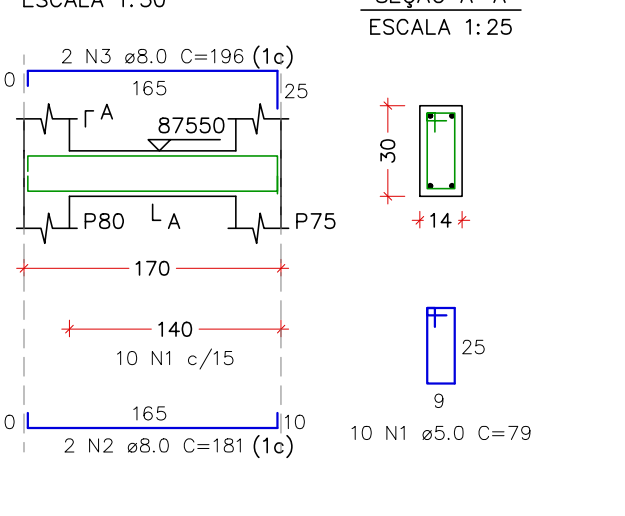
VI109  
ESCALA 1:50



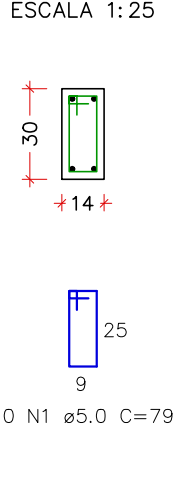
SEÇÃO A-A  
ESCALA 1:25



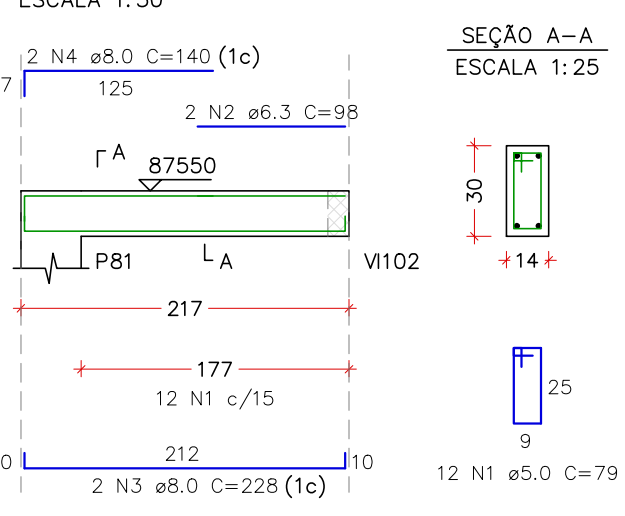
VI110  
ESCALA 1:50



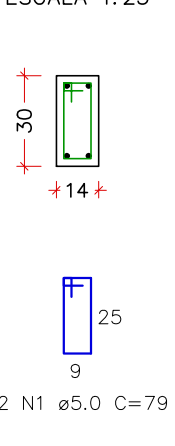
SEÇÃO A-A  
ESCALA 1:25



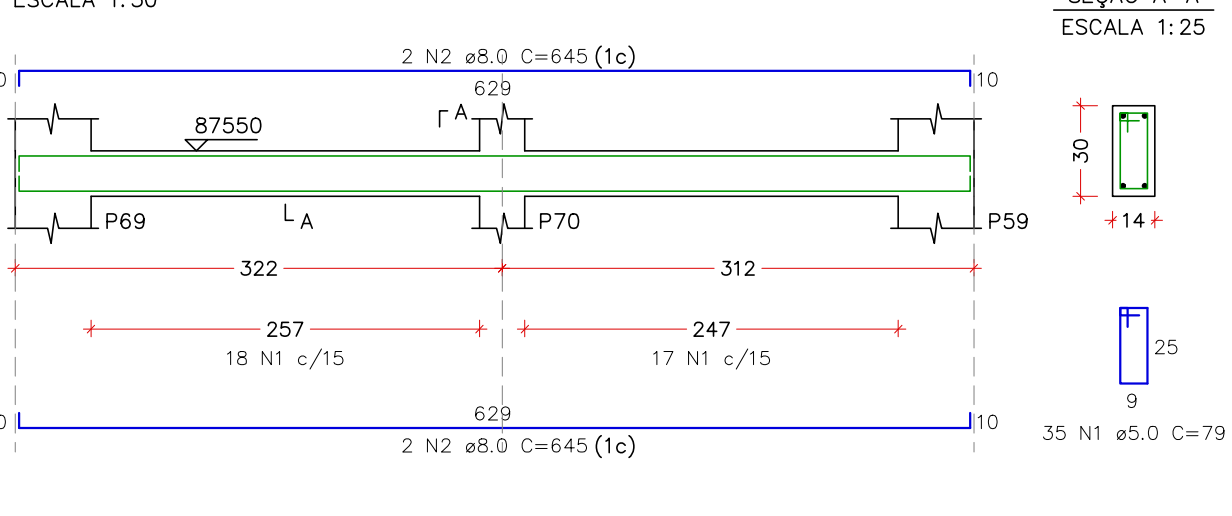
VI111  
ESCALA 1:50



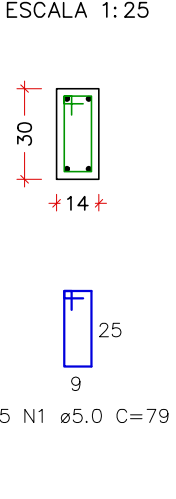
SEÇÃO A-A  
ESCALA 1:25



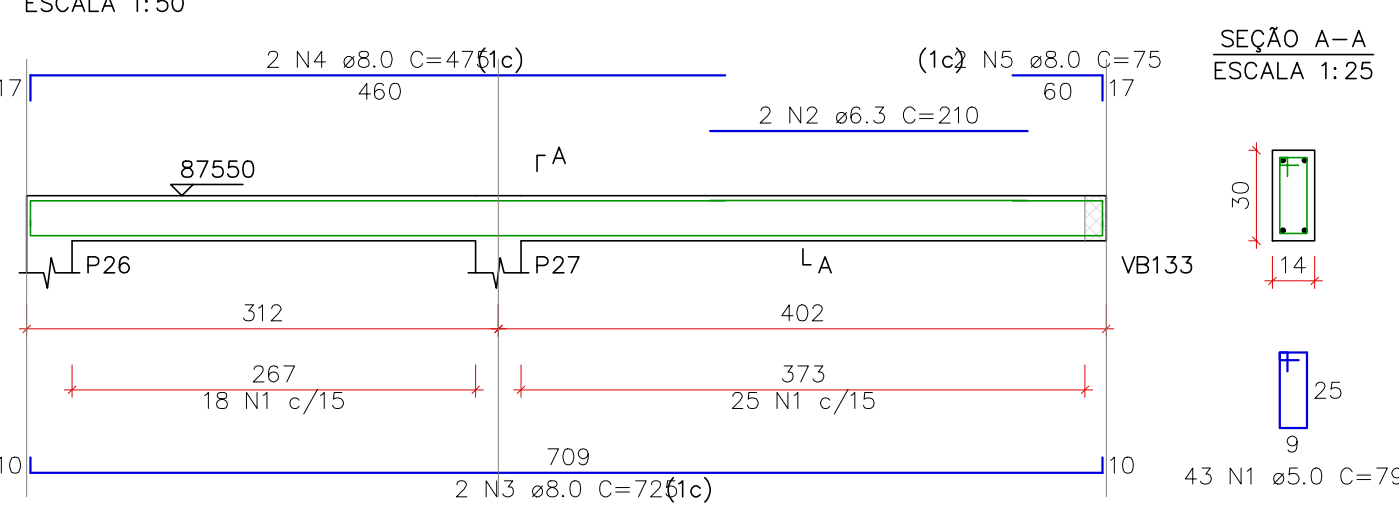
VI112  
ESCALA 1:50



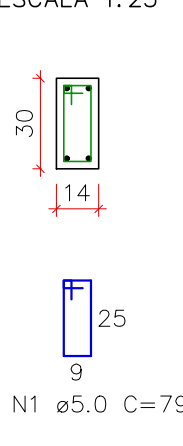
SEÇÃO A-A  
ESCALA 1:25



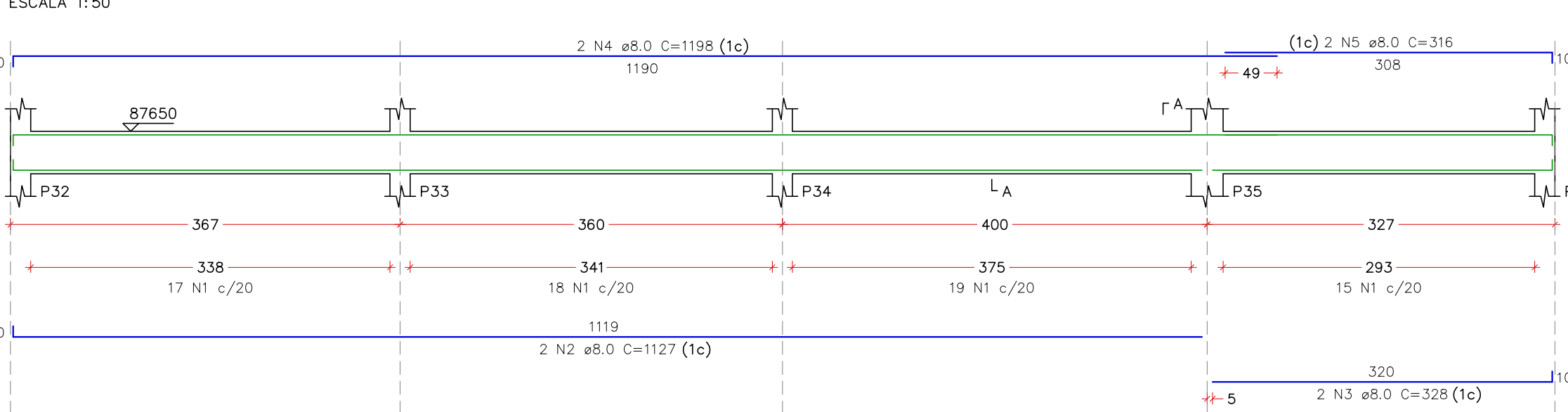
VB101  
ESCALA 1:50



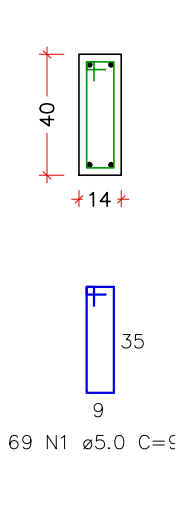
SEÇÃO A-A  
ESCALA 1:25



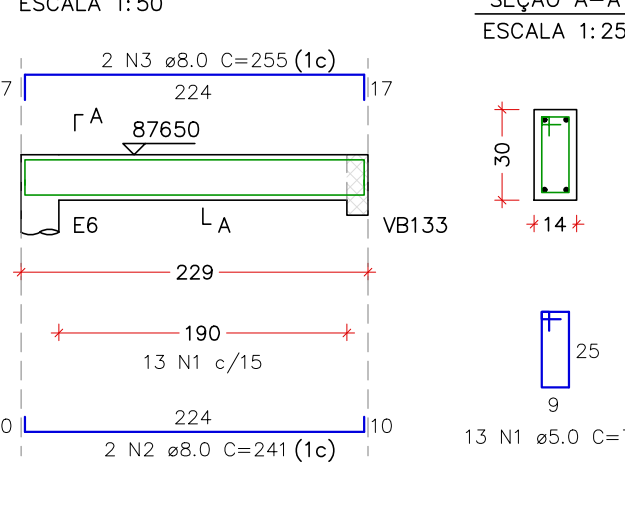
VB102  
ESCALA 1:50



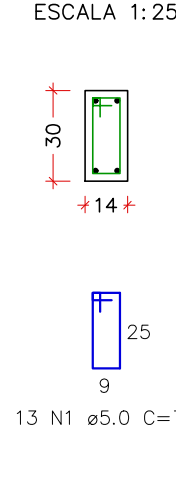
SEÇÃO A-A  
ESCALA 1:25



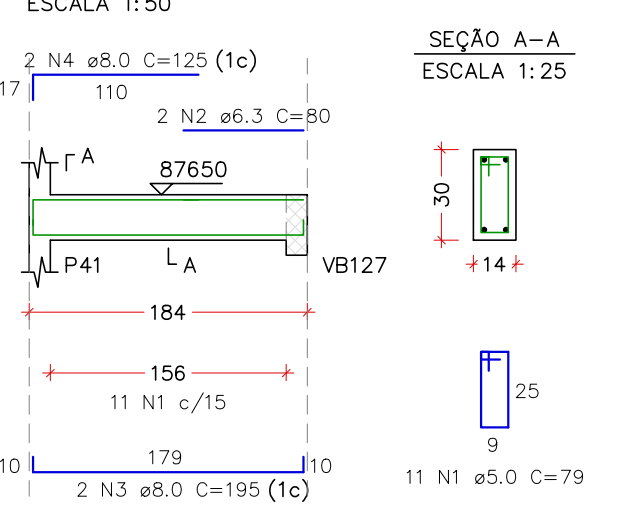
VB103  
ESCALA 1:50



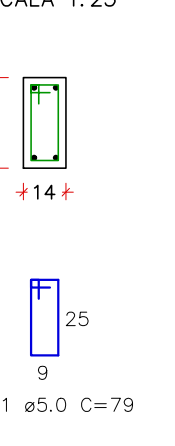
SEÇÃO A-A  
ESCALA 1:25



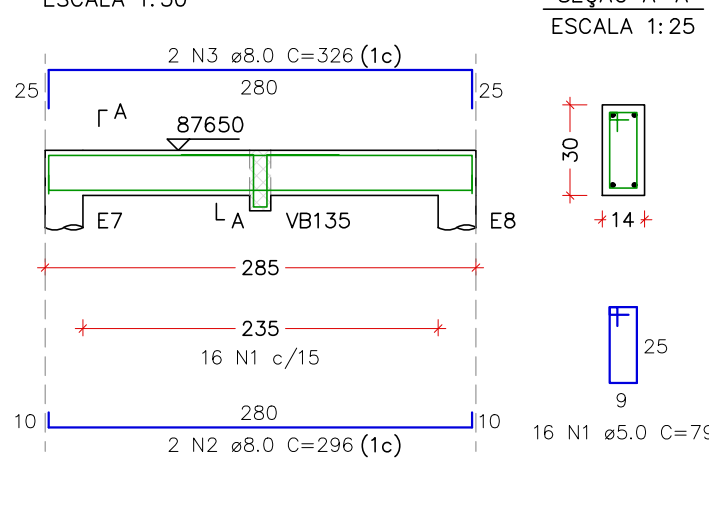
VB104  
ESCALA 1:50



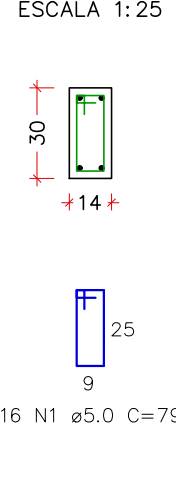
SEÇÃO A-A  
ESCALA 1:25



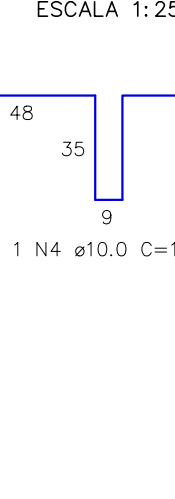
VB105  
ESCALA 1:50



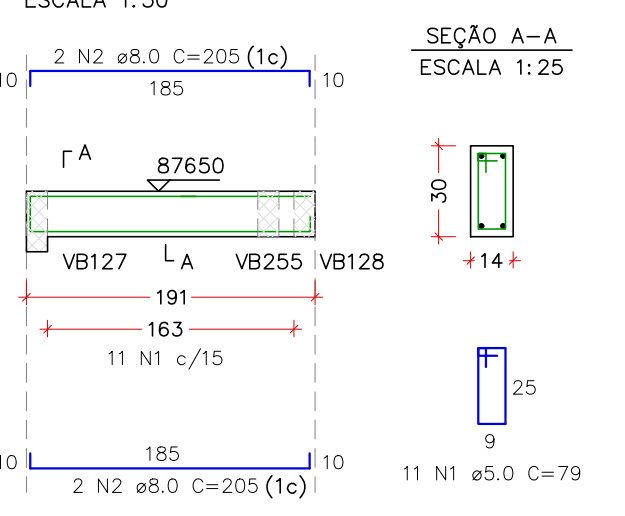
SEÇÃO A-A  
ESCALA 1:25



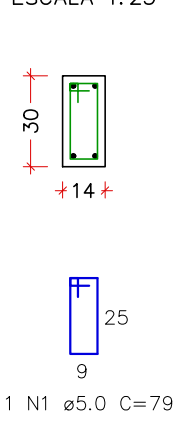
SUSPENSÃO VB135  
ESCALA 1:25



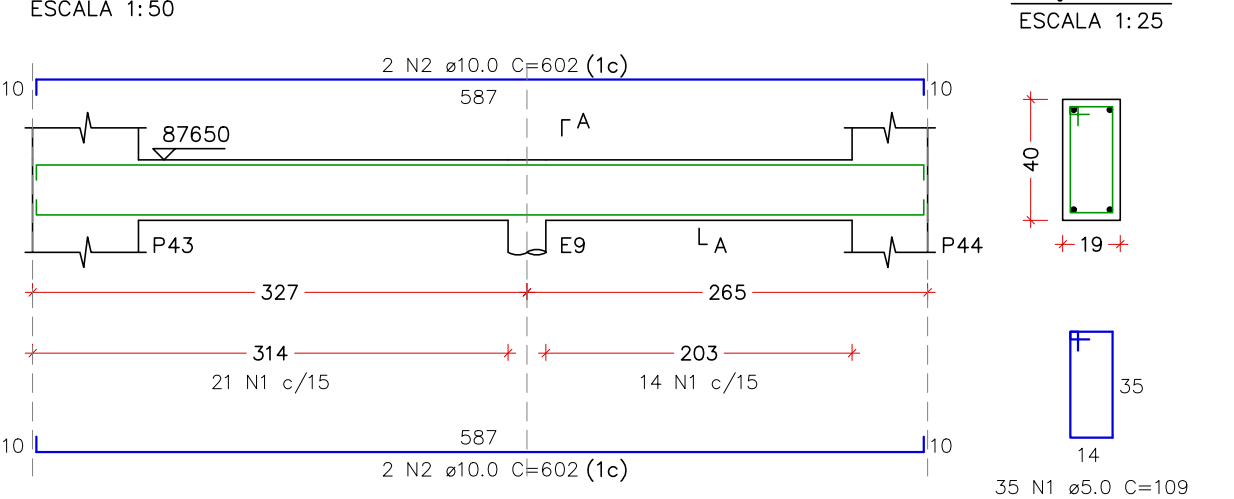
VB106  
ESCALA 1:50



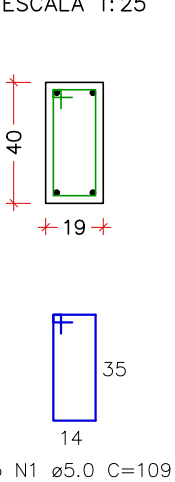
SEÇÃO A-A  
ESCALA 1:25



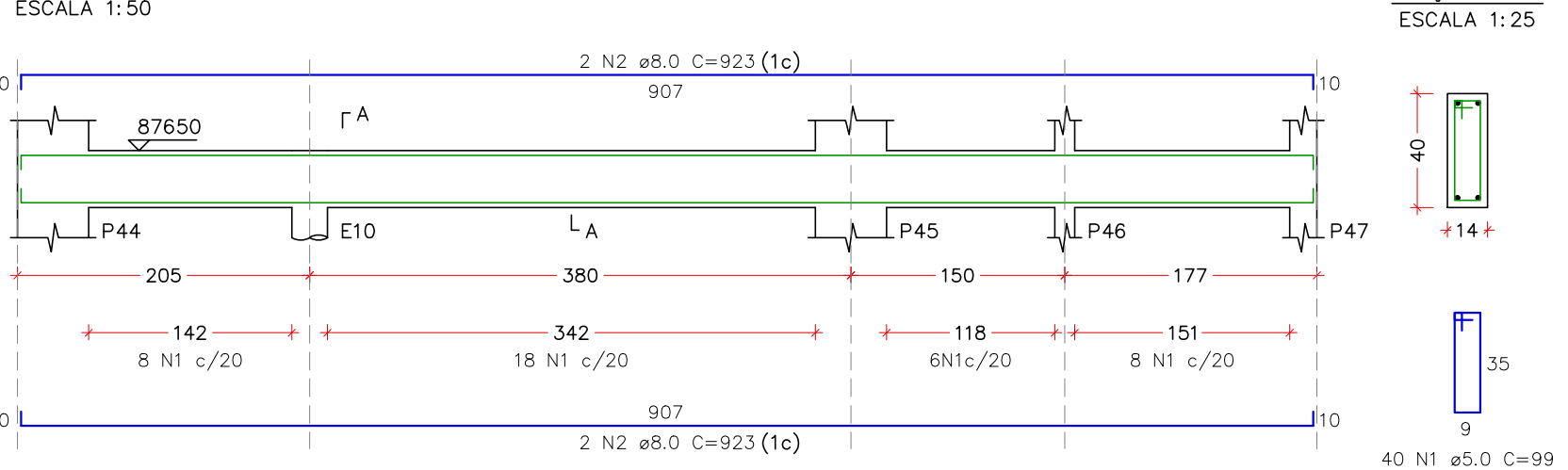
VB107  
ESCALA 1:50



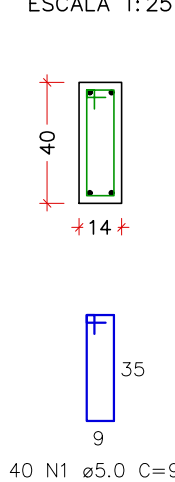
SEÇÃO A-A  
ESCALA 1:25



VB108  
ESCALA 1:50



SEÇÃO A-A  
ESCALA 1:25



RELAÇÃO DO AÇO – PAV. INFERIOR

ELEMENTO	AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
VI101	CA60	1	5,0	93	79	7347
	CA50	2	6,3	2	222	444
	CA50	3	6,3	2	281	562
	CA50	4	8,0	2	1133	2266
	CA50	5	8,0	2	333	666
VI102	CA60	1	5,0	135	79	10655
	CA50	2	6,3	2	1144	2288
	CA50	3	8,0	2	1104	2208
	CA50	4	8,0	2	1198	2396
	CA50	5	8,0	2	1006	2012
VI103	CA60	1	5,0	10	79	790
	CA50	2	6,3	2	175	350
	CA50	3	8,0	2	119	238
	CA50	4	8,0	2	119	238
	CA50	5	8,0	2	119	238
VI104	CA60	1	5,0	119	79	9381
	CA50	2	6,3	4	320	1280
	CA50	3	8,0	2	1109	2218
	CA50	4	8,0	2	766	1532
	CA50	5	8,0	2	668	1336
VI105	CA60	1	5,0	12	79	948
	CA50	2	6,3	4	475	1900
	CA50	3	8,0	2	228	456
	CA50	4	8,0	2	113	226
	CA50	5	8,0	2	113	226
VI106	CA60	1	5,0	14	79	1106
	CA50	2	6,3	4	475	1900
	CA50	3	8,0	2	228	456
	CA50	4	8,0	2	113	226
	CA50	5	8,0	2	113	226
VI107	CA60	1	5,0	12	79	948
	CA50	2	6,3	4	475	1900
	CA50	3	8,0	2	228	456
	CA50	4	8,0	2	113	226
	CA50	5	8,0	2	113	226
VI108	CA60	1	5,0	13	79	1027
	CA50	2	6,3	2	118	236
	CA50	3	8,0	2	250	500
	CA50	4	8,0	2	240	480
	CA50	5	8,0	2	240	480
VI109	CA60	1	5,0	8	79	632
	CA50	2	6,3	2	181	362
	CA50	3	8,0	2	181	362
	CA50	4	8,0	2	181	362
	CA50	5	8,0	2	181	362
VI110	CA60	1	5,0	10	79	790
	CA50	2	6,3	2	196	392
	CA50	3	8,0	2	196	392
	CA50	4	8,0	2	196	392
	CA50	5	8,0	2	196	392
VI111	CA60	1	5,0	10	79	790
	CA50	2	6,3	2	196	392
	CA50	3	8,0	2	196	392
	CA50	4	8,0	2	196	392
	CA50	5	8,0	2	196	392
VI112	CA60	1	5,0	35	79	2765
	CA50	2	6,3	2	98	196
	CA50	3	8,0	2	140	280
	CA50	4	8,0	2	140	280
	CA50	5	8,0	2	140	280

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6,3	229,7	8
CA50	8,0	278,9	121
CA60	10,0	524,9	33
PESO TOTAL (kg)			162
CA50			88
CA60			74

VOLUME DE CONCRETO (C=30) = 3.43 m³  
ÁREA DE FORMA = 53.47 m²

RELAÇÃO DO AÇO – PAV. BALDRAME 1

ELEMENTO	AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
VB101	CA60	1	5,0	43	79	3397
	CA50	2	6,3	2	210	420
	CA50	3	8,0	2	725	1450
	CA50	4	8,0	2	475	950
	CA50	5	8,0	2	75	150
VB102	CA60	1	5,0	69	99	6831
	CA50	2	6,3	2	1127	2254
	CA50	3	8,0	2	328	656
	CA50	4	8,0	2	1198	2396
	CA50	5	8,0	2	316	632
VB103	CA60	1	5,0	13	79	1027
	CA50	2	6,3	2	241	482
	CA50	3	8,0	2	255	510
	CA50	4	8,0	2	11	22
	CA50	5	8,0	2	80	160
VB104	CA60	1	5,0	11	79	869
	CA50	2	6,3	2	80	160
	CA50	3	8,0	2	125	250
	CA50	4	8,0	2	125	250
	CA50	5	8,0	2	125	250
VB105	CA60	1	5,0	16	79	1264
	CA50	2	6,3	2	296	592
	CA50	3	8,0	2	325	650
	CA50	4	10,0	1	166	166
	CA50	5	10,0	1	166	166
VB106	CA60	1	5,0	35	109	3815
	CA50	2	6,3	4	205	820
	CA50	3	8,0	4	602	2408
	CA50	4	8,0	4	99	396
	CA50	5	8,0	4	93	3692

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6,3	4,8	1,5
CA50	8,0	158,5	65,2
CA60	10,0	25,7	17,3
PESO TOTAL (kg)			84,2
CA50			35,9
CA60			48,3

VOLUME DE CONCRETO (C=30) = 2.07 m³  
ÁREA DE FORMA = 33.56 m²



PROJETO

**DAC** engenharia  
Rua Cel. Joaquim Francisco, 341, Bairro Varginha  
CEP- 37501-052 - Juiz de Fora / MG  
Tel: (35) 2143 - 9087  
www.dacengenharia.com.br

EMPENHAMENTO

CONSTRUÇÃO DA ESCOLA MUNICIPAL ALEGRINHO	DISCIPLINA
ENGENHEIRO	ESTRUTURAL
RUA LOURDES DE SOUZA SANTOS, COLINA VERDE POUSO ALEGRE – MINAS GERAIS	FASE DO PROJETO
ASSUNTO	EXECUTIVO
PROJETO ESTRUTURAL EM CONCRETO ARMADO DETALHAMENTOS VIGAS DOS PAVS. INFERIOR E BALDRAME 1	FOLHA Nº
DATA INICIAL	27/53
ESCALA	
REVISÃO	
ARQUIVO	
02/02/2024	INDICADA
RO3	DAC-PMPA-ALEG-PE-EST-RO3.DWG