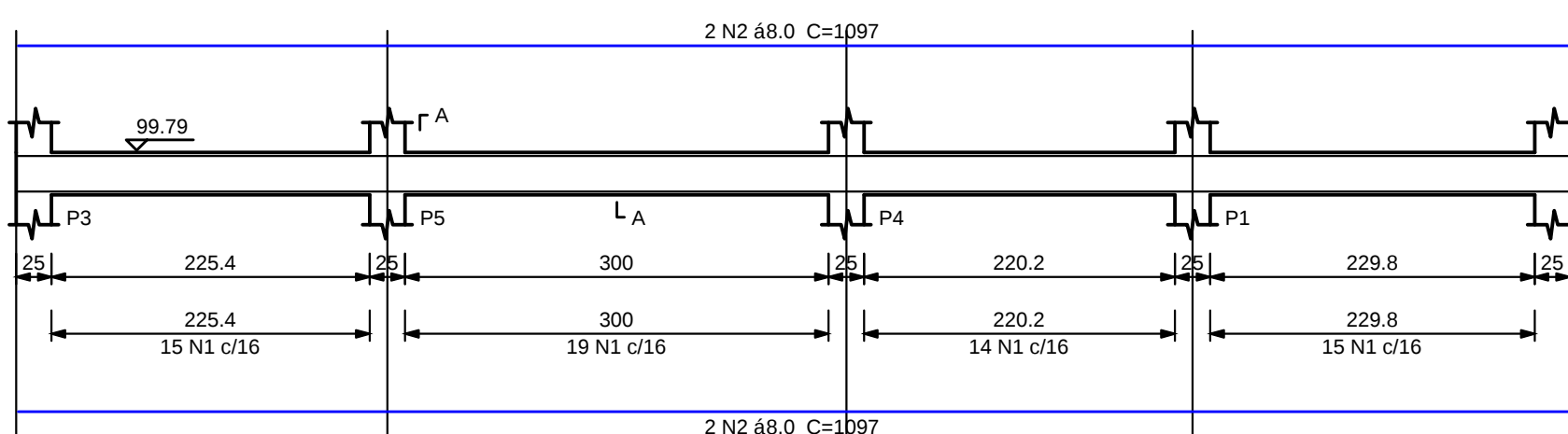
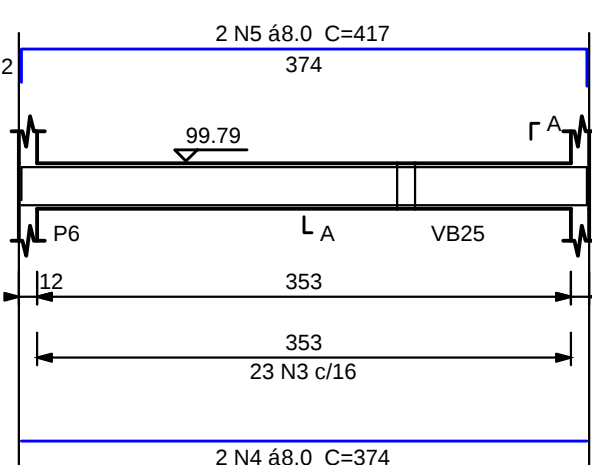


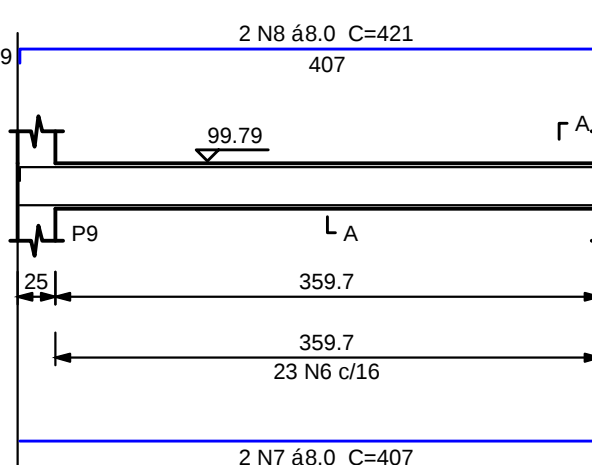
VB1
ESC 1:50



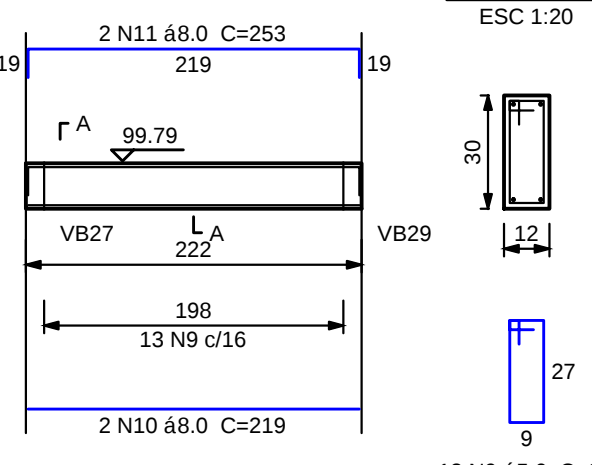
VB2
ESC 1:50



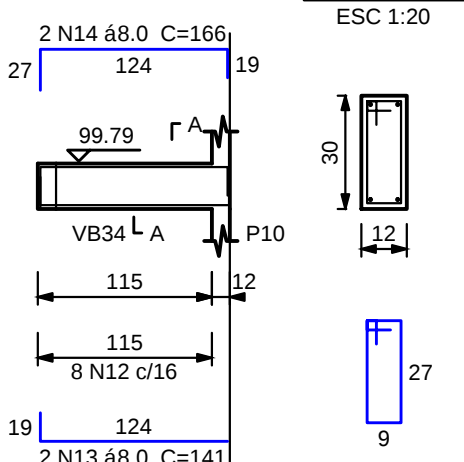
VB3
ESC 1:50



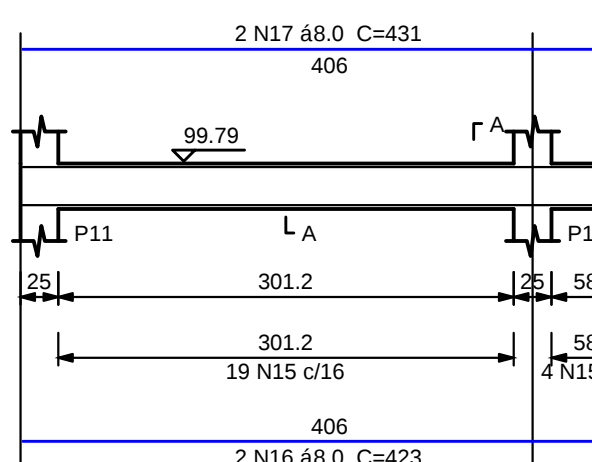
VB4
ESC 1:50



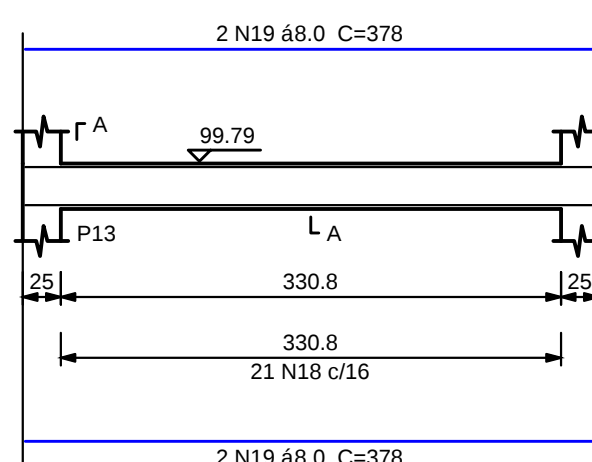
VB5
ESC 1:50



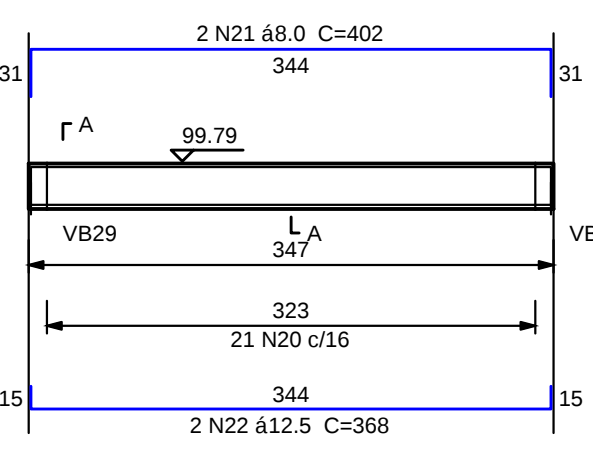
VB6
ESC 1:50



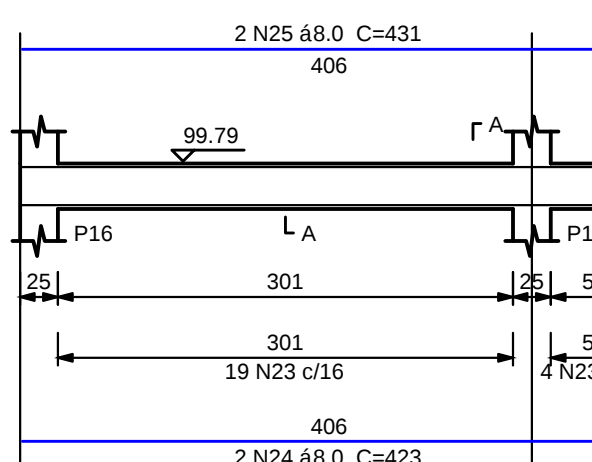
VB7
ESC 1:50



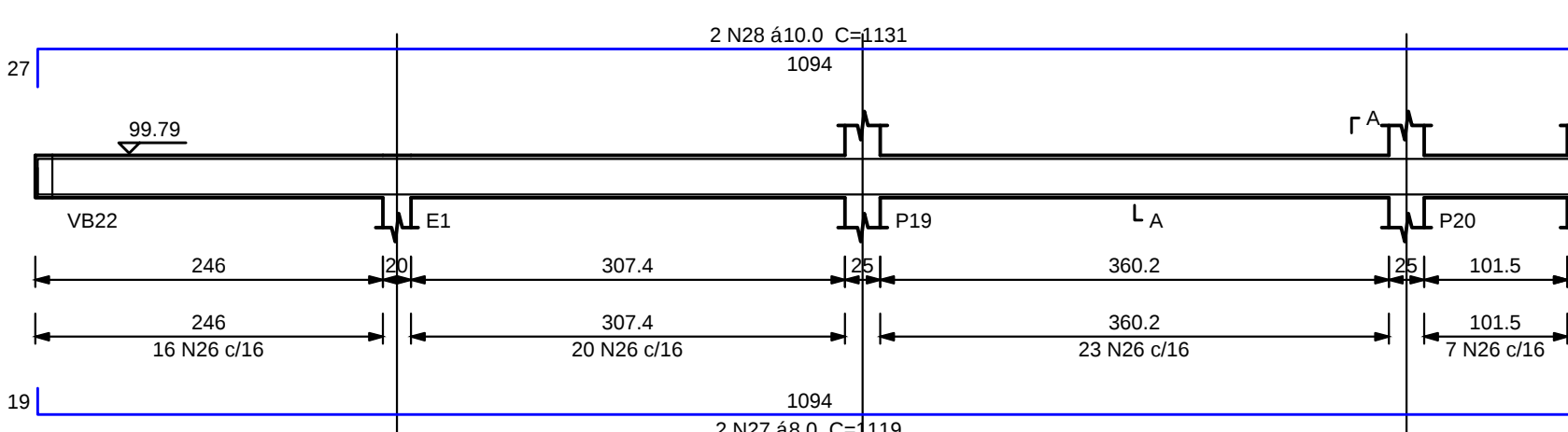
VB8
ESC 1:50



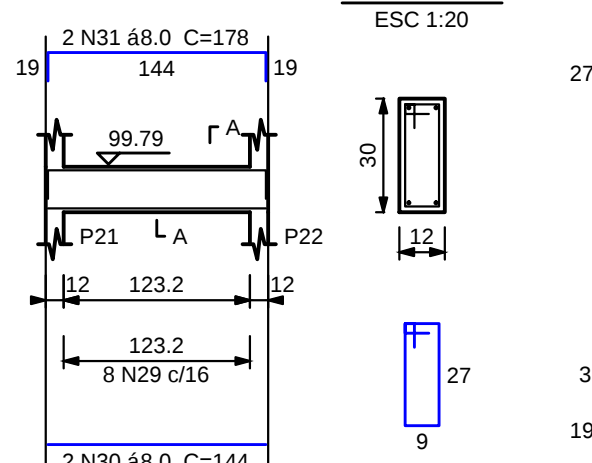
VB9
ESC 1:50



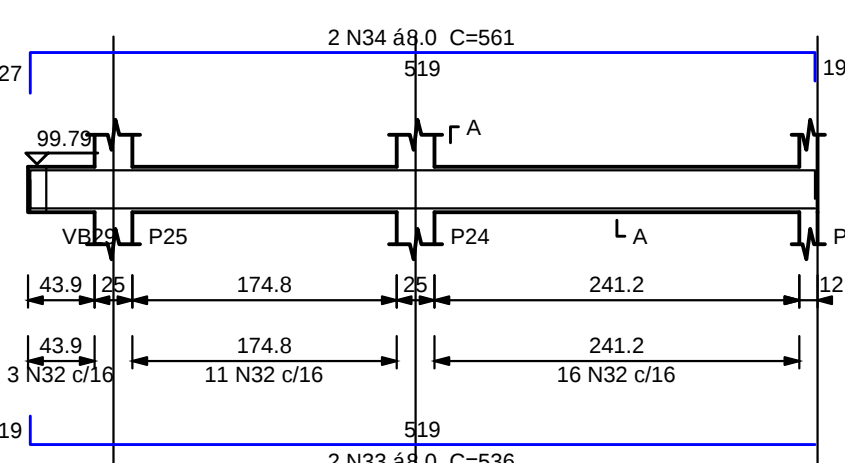
VB10
ESC 1:50



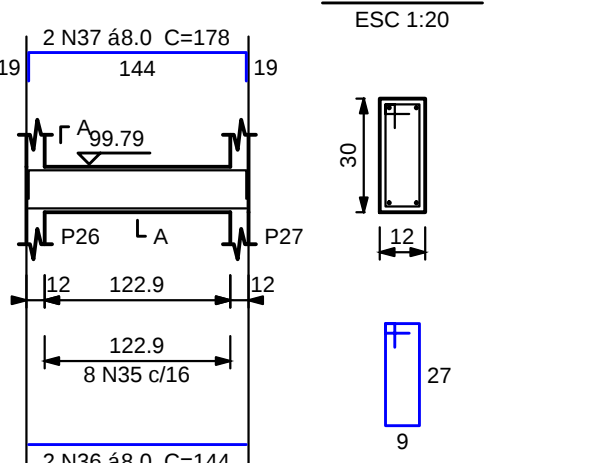
VB11
ESC 1:50



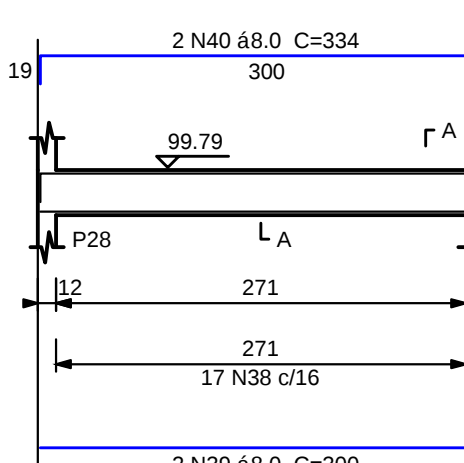
VB12
ESC 1:50



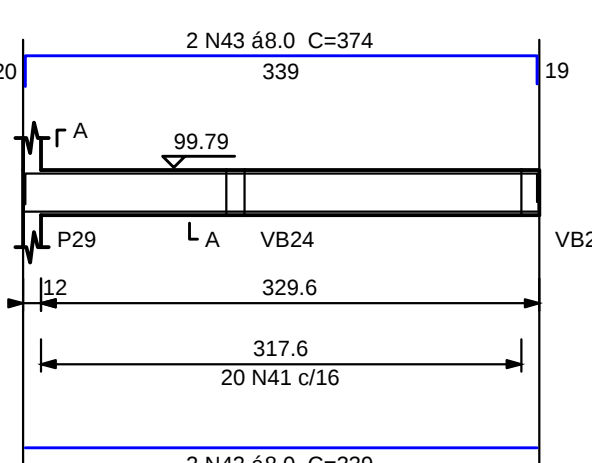
VB13
ESC 1:50



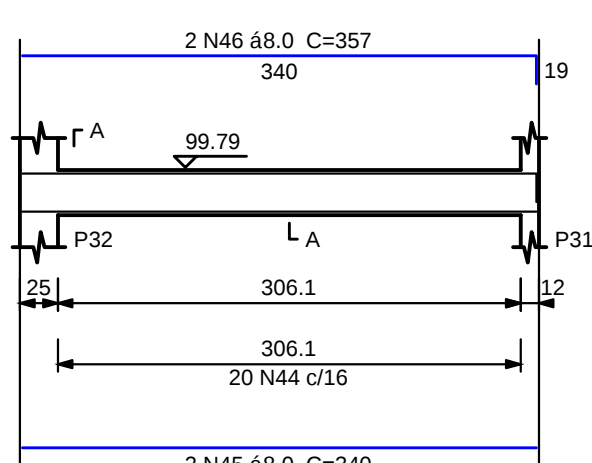
VB14
ESC 1:50



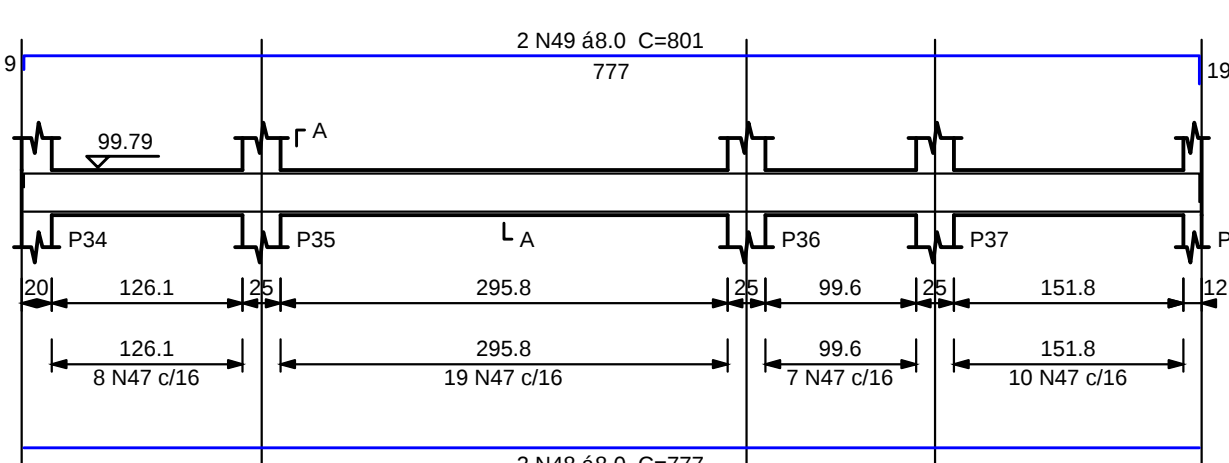
VB15
ESC 1:50



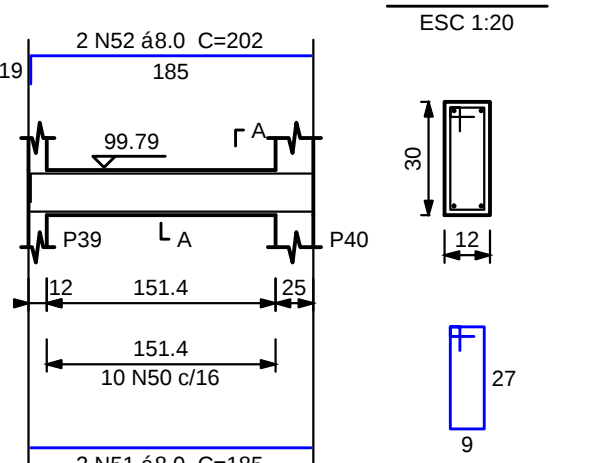
VB16
ESC 1:50



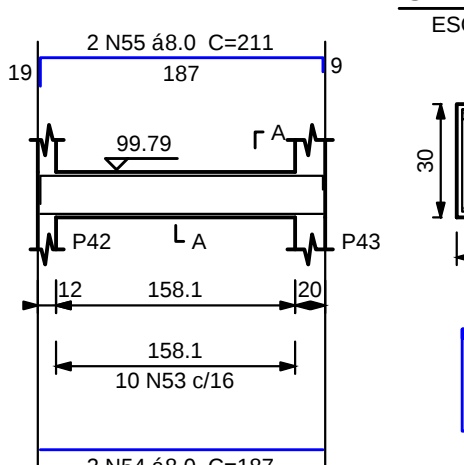
VB17
ESC 1:50



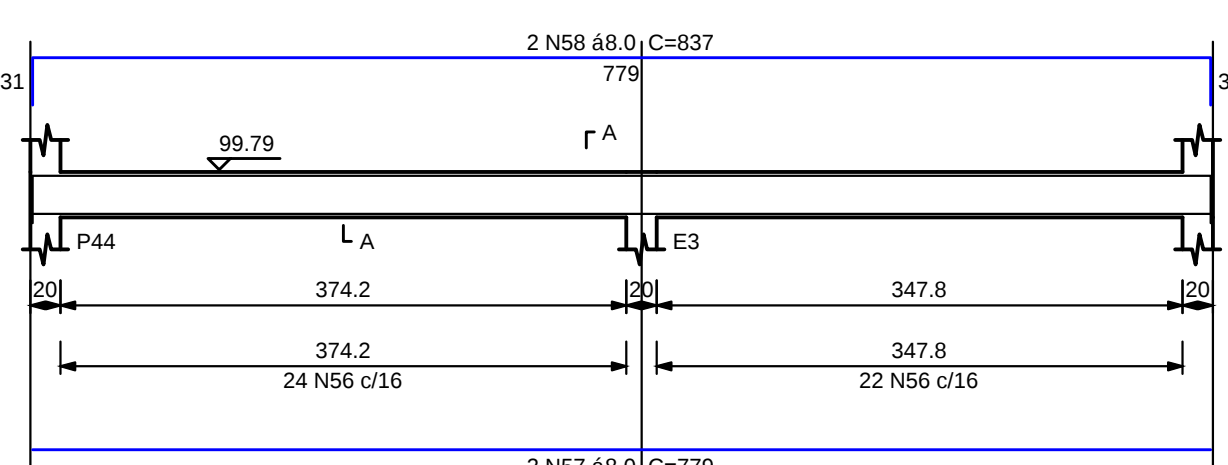
VB18
ESC 1:50



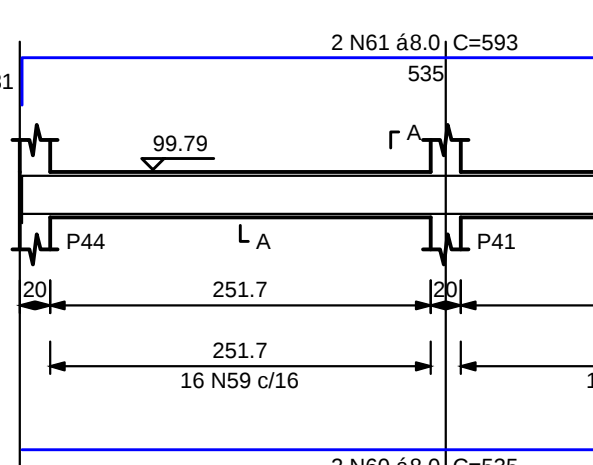
VB19
ESC 1:50



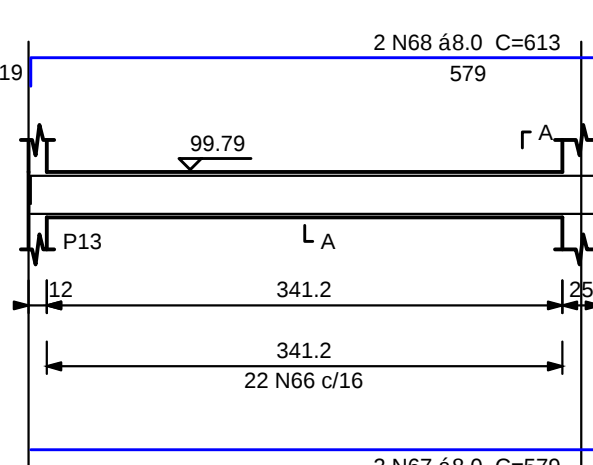
VB20
ESC 1:50



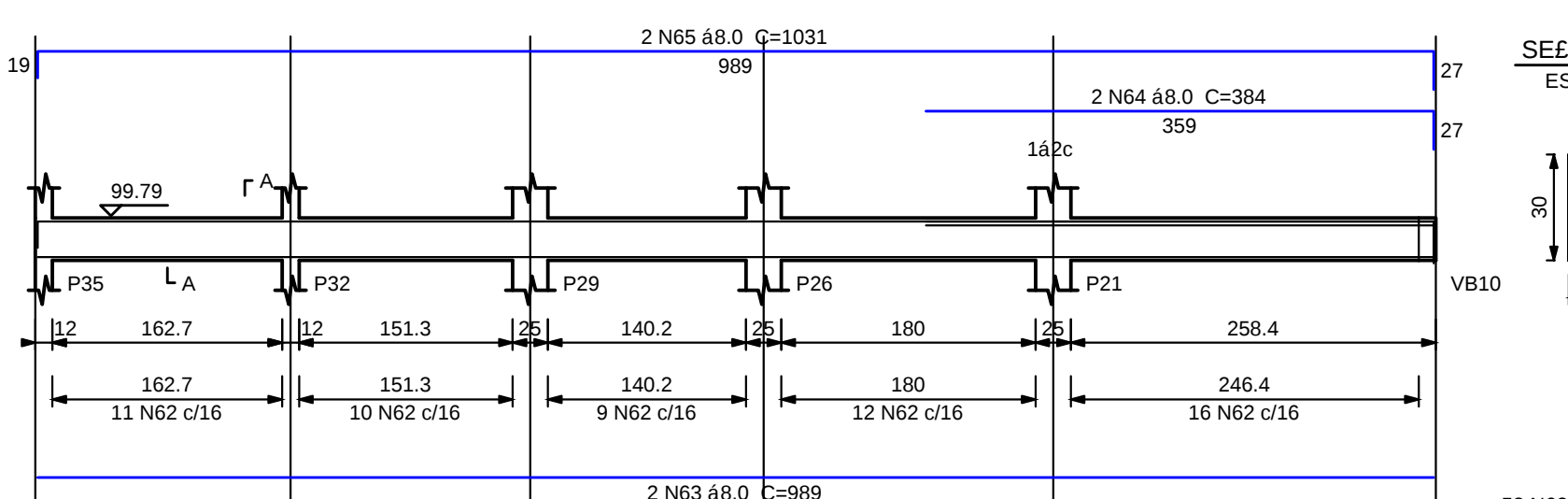
VB21
ESC 1:50



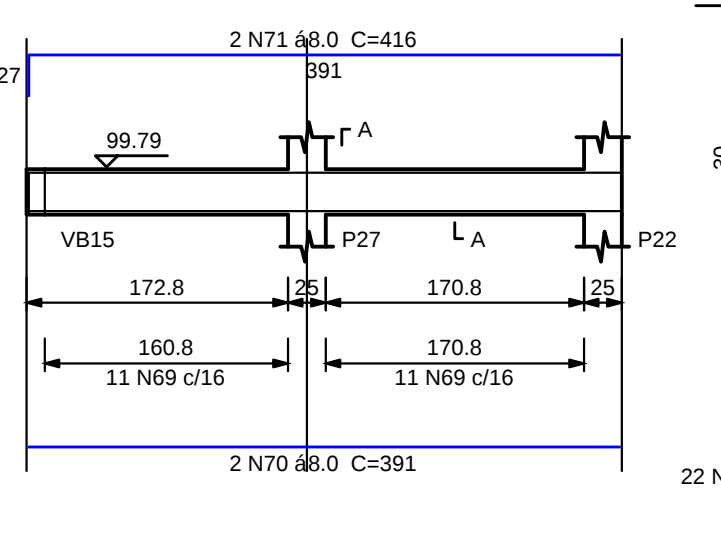
VB23
ESC 1:50



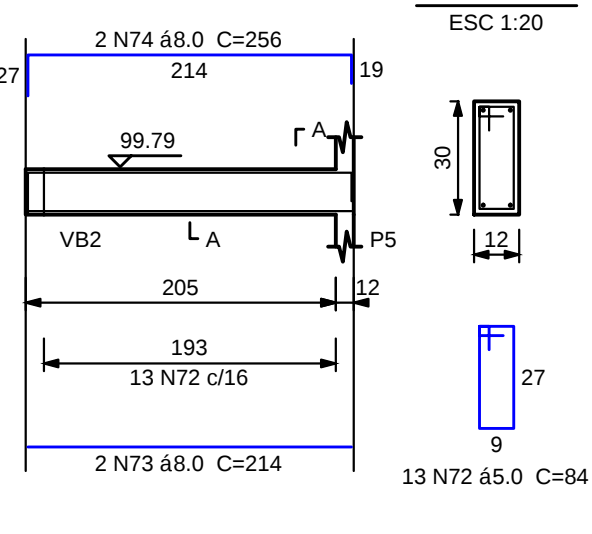
VB22
ESC 1:50



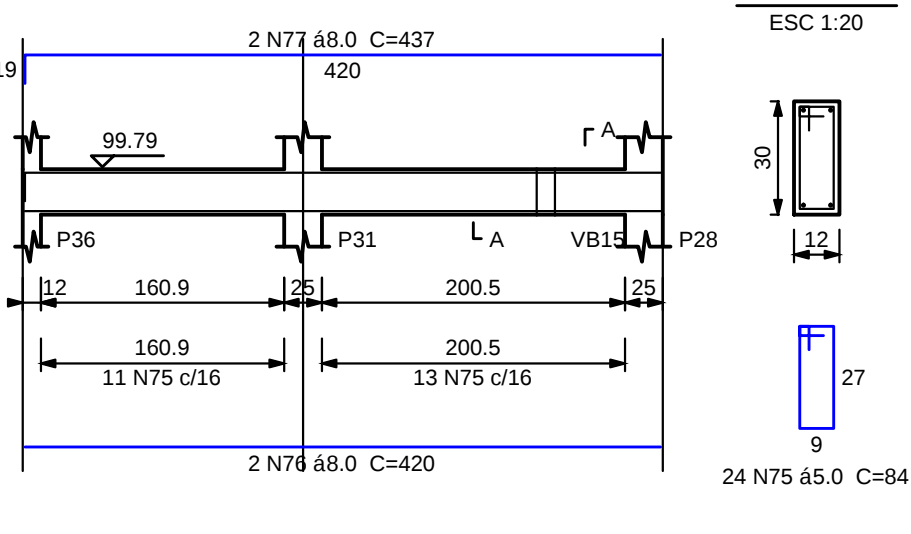
VB24
ESC 1:50



VB25
ESC 1:50



VB26
ESC 1:50



Rela^o do a^o

ELEMENTO	AE O	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
VB1	CA60	1	5.0	63	84	5292
VB1	CA50	2	8.0	4	1097	4388
VB2	CA60	3	5.0	23	84	1932
VB2	CA50	4	8.0	2	374	748
VB2	CA50	5	8.0	2	417	834
VB3	CA60	6	5.0	23	84	1932
VB3	CA50	7	8.0	2	407	814
VB3	CA50	8	8.0	2	421	842
VB4	CA60	9	5.0	13	84	1092
VB4	CA50	10	8.0	2	219	438
VB4	CA50	11	8.0	2	253	506
VB5	CA60	12	5.0	8	84	672
VB5	CA50	13	8.0	2	141	282
VB5	CA50	14	8.0	2	166	332
VB6	CA60	15	5.0	23	84	1932
VB6	CA50	16	8.0	2	423	846
VB6	CA50	17	8.0	2	431	862
VB7	CA60	18	5.0	21	84	1764
VB7	CA50	19	8.0	4	378	1512
VB8	CA60	20	5.0	21	100	2100
VB8	CA50	21	8.0	2	402	804
VB9	CA60	22	12.5	2	368	736
VB9	CA60	23	5.0	23	84	1932
VB9	CA50	24	8.0	2	423	846
VB10	CA60	25	8.0	2	431	862
VB10	CA50	26	5.0	66	84	5544
VB10	CA50	27	8.0	2	1119	2238
VB11	CA60	28	10.0	2	1131	2262
VB11	CA60	29	5.0	8	84	672
VB11	CA50	30	8.0	2	144	288
VB12	CA60	31	8.0	2	178	356
VB12	CA60	32	5.0	30	84	2520
VB12	CA50	33	8.0	2	536	1072
VB13	CA60	34	8.0	2	561	1122
VB13	CA60	35	5.0	8	84	672
VB13	CA50	36	8.0	2	144	288
VB13	CA50	37	8.0	2	178	356
VB14	CA60	38	5.0	17	84	1428
VB14	CA50	39	8.0	2	300	600
VB14	CA50	40	8.0	2	334	668
VB15	CA60	41	5.0	20	84	1680
VB15	CA50	42	8.0	2	339	678
VB15	CA50	43	8.0	2	374	748
VB16	CA60	44	5.0	20	84	1680
VB16	CA50	45	8.0	2	340	680
VB16	CA50	46	8.0	2	357	714
VB17	CA60	47	5.0	44	84	3696
VB17	CA50	48	8.0	2	777	1554
VB17	CA50	49	8.0	2	801	1602
VB18	CA60	50	5.0	10	84	840
VB18	CA50	51	8.0	2	185	370
VB18	CA50	52	8.0	2	202	404
VB19	CA60	53	5.0	10	84	840
VB19	CA50	54	8.0	2	197	374
VB19	CA50	55	8.0	2	211	422
VB20	CA60	56	5.0	46	100	4600
VB20	CA50	57	8.0	2	779	1558
VB20	CA50	58	8.0	2	837	1674
VB21	CA60	59	5.0	32	100	3200
VB21	CA50	60	8.0	2	535	1070
VB21	CA50	61	8.0	2	593	1186
VB22	CA60	62	5.0	58	84	4872
VB22	CA50	63	8.0	2	989	1978
VB22	CA50	64	8.0	2	384	768
VB22	CA50	65	8.0	2	1031	2062
VB23	CA60	66	5.0	34	84	2856
VB23	CA50	67	8.0	2	579	1158
VB23	CA50	68	8.0	2	613	1226
VB24	CA60	69	5.0	22	84	1848
VB24	CA50	70	8.0	2	391	782
VB24	CA50	71	8.0	2	416	832
VB25	CA60	72	5.0	13	84	1092
VB25	CA50	73	8.0	2	214	428
VB25	CA50	74	8.0	2	256	512
VB26	CA60	75	5.0	24	84	2016
VB26	CA50	76	8.0	2	420	840
VB26	CA50	77	8.0	2	437	874

Resumo do a^o

AE O	DIAM	C.TOTAL (m)	PESO (kg)
CA50	8.0	464	183.1
CA50	10.0	22.7	13.9
CA50	12.5	7.4	7.1
CA60	5.0	587.1	90.5
PESO TOTAL			
CA50	204.1		
CA60	90.5		

Vol. de concreto total (C-20) = 4.64 m³
Crea de forma total = 86.07 m²

PROJETO ESTRUTURAL BAURU
WWW.PROJETOESTRUTURALBAURU.COM.BR
TEL: (14) 32231137

TITULO : PROJETO DE CONSTRUÇÃO RESIDENCIAL DATA 05/2014
LOCAL :
CLIENTE :
ASSUNTO :

ENG°. HÉBERT COMEGNO ASAM CREA 5060488363/D FOLHA Nº. :
PÓS GRADUADO EM ENGENHARIA DE ESTRUTURAS
RUA ANHANGUERA , Nº 6-47, CEP 17013-190 Fck ≥ 20MPa 05/08