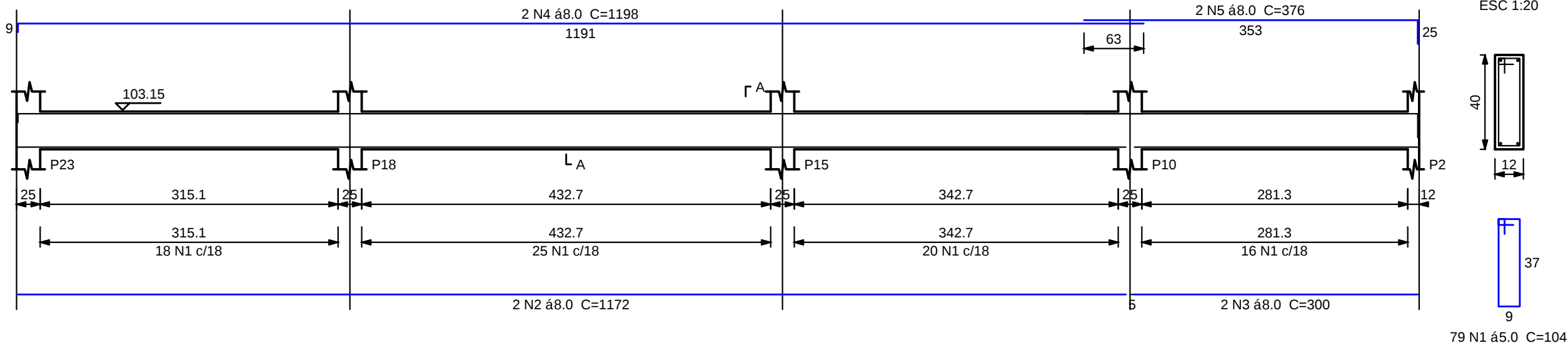


VC31

ESC 1:50



Relat̃o do ão

ELEMENTO	AE O	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
VC31	CA60	1	5.0	79	104	8216
	CA50	2	8.0	2	1172	2344
	CA50	3	8.0	2	300	600
	CA50	4	8.0	2	1198	2396
	CA50	5	8.0	2	376	752

Resumo do ão

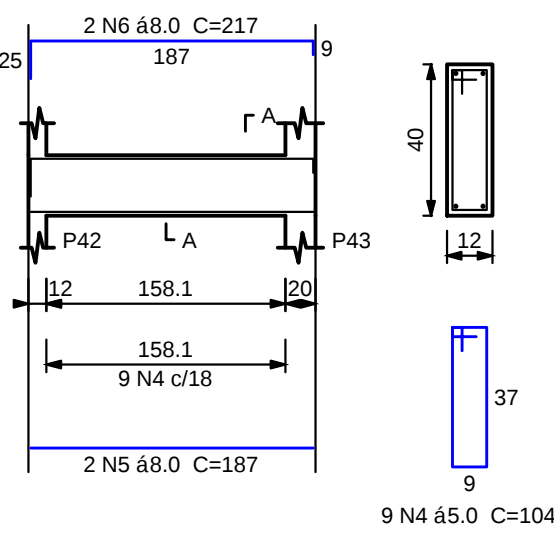
AE O	DIAM	C.TOTAL (m)	PESO (kg)
CA50	8.0	61	24
CA60	5.0	82.2	12.7

PESO TOTAL
CA50 24
CA60 12.7

Vol. de concreto total (C-20) = 0.71 m³
Crea de forma total = 13.65 ml

VC50 INC

ESC 1:50



Relat̃o do ão

ELEMENTO	AE O	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
VC50	CA60	1	5.0	17	104	1768
	CA50	2	8.0	2	362	724
	CA50	3	16.0	2	348	696
	CA60	4	5.0	17	104	1768
	CA50	5	8.0	2	362	724
	CA50	6	16.0	2	348	696
	CA60	7	5.0	24	104	2496
	CA50	8	8.0	2	475	950
	CA50	9	8.0	2	505	1010
	CA60	10	5.0	16	104	1664
	CA50	11	8.0	2	304	608
	CA50	12	8.0	2	350	700
	CA60	1	5.0	7	120	840
	CA50	2	10.0	2	162	324
	CA50	3	10.0	2	193	386
	CA60	4	5.0	20	104	2080
	CA50	5	8.0	2	420	840
	CA50	6	8.0	2	427	854
	CA60	20	5.0	10	CORR	6550
	CA60	21	5.0	2	184	368
	CA60	22	5.0	35	164	5740
	CA50	23	10.0	2	720	1440
	CA50	24	16.0	2	670	1340
	CA60	25	5.0	16	104	1664
	CA50	26	8.0	2	304	608
	CA50	27	10.0	2	323	646
	CA60	28	5.0	16	104	1664
	CA50	29	8.0	2	304	608
	CA50	30	10.0	2	323	646
	CA60	31	5.0	16	104	1664
	CA50	32	8.0	2	304	608
	CA50	33	8.0	2	350	700
	CA60	34	5.0	10	CORR	4360
	CA60	35	5.0	10	CORR	3790
	CA60	36	5.0	41	164	6724
	CA50	37	10.0	2	794	1588
	CA50	38	10.0	2	859	1718
	CA60	39	5.0	14	CORR	7672
	CA60	40	5.0	2	182	364
	CA60	41	5.0	30	244	7320
	CA50	42	12.5	2	572	1144
	CA50	43	12.5	2	630	1260

Resumo do ão

AE O	DIAM	C.TOTAL (m)	PESO (kg)
CA50	8.0	54.9	21.7
CA60	5.0	62.2	9.6

Vol. de concreto total (C-20) = 0.47 m³
Crea de forma total = 9.48 ml

Relat̃o do ão

ELEMENTO	AE O	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
VC33	CA60	1	5.0	17	104	1768
	CA50	2	8.0	2	362	724
	CA50	3	16.0	2	348	696
	CA60	4	5.0	17	104	1768
	CA50	5	8.0	2	362	724
	CA50	6	16.0	2	348	696
	CA60	7	5.0	24	104	2496
	CA50	8	8.0	2	475	950
	CA50	9	8.0	2	505	1010
	CA60	10	5.0	16	104	1664
	CA50	11	8.0	2	304	608
	CA50	12	8.0	2	350	700
	CA60	1	5.0	7	120	840
	CA50	2	10.0	2	162	324
	CA50	3	10.0	2	193	386
	CA60	4	5.0	20	104	2080
	CA50	5	8.0	2	420	840
	CA50	6	8.0	2	427	854
	CA60	20	5.0	10	CORR	6550
	CA60	21	5.0	2	184	368
	CA60	22	5.0	35	164	5740
	CA50	23	10.0	2	720	1440
	CA50	24	16.0	2	670	1340
	CA60	25	5.0	16	104	1664
	CA50	26	8.0	2	304	608
	CA50	27	10.0	2	323	646
	CA60	28	5.0	16	104	1664
	CA50	29	8.0	2	304	608
	CA50	30	10.0	2	323	646
	CA60	31	5.0	16	104	1664
	CA50	32	8.0	2	304	608
	CA50	33	8.0	2	350	700
	CA60	34	5.0	10	CORR	4360
	CA60	35	5.0	10	CORR	3790
	CA60	36	5.0	41	164	6724
	CA50	37	10.0	2	794	1588
	CA50	38	10.0	2	859	1718
	CA60	39	5.0	14	CORR	7672
	CA60	40	5.0	2	182	364
	CA60	41	5.0	30	244	7320
	CA50	42	12.5	2	572	1144
	CA50	43	12.5	2	630	1260

Resumo do ão

AE O	DIAM	C.TOTAL (m)	PESO (kg)
CA50	8.0	82.1	32.4
	10.0	75	46.2
	12.5	24.1	23.2
	16.0	27.4	43.1
	5.0	589.5	90.9

Vol. de concreto total (C-20) = 3.48 m³
Crea de forma total = 62.47 ml

Relat̃o do ão

ELEMENTO	AE O	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
VC49 INC	CA60	1	5.0	40	104	4160
	CA50	2	8.0	2	807	1614
	CA50	3	8.0	2	807	1614
	CA60	4	5.0	9	104	936
	CA50	5	8.0	2	187	374
	CA50	6	8.0	2	217	434

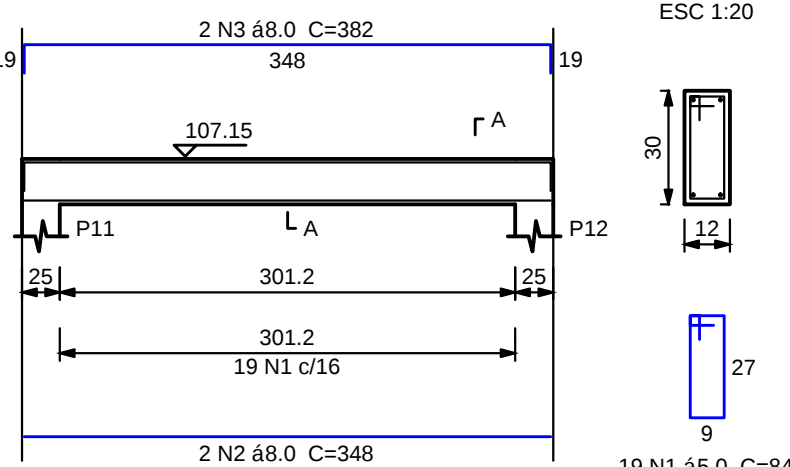
Resumo do ão

AE O	DIAM	C.TOTAL (m)	PESO (kg)
CA50	8.0	39.8	15.7
CA60	5.0	51	7.9

Vol. de concreto total (C-20) = 0.47 m³
Crea de forma total = 8.93 ml

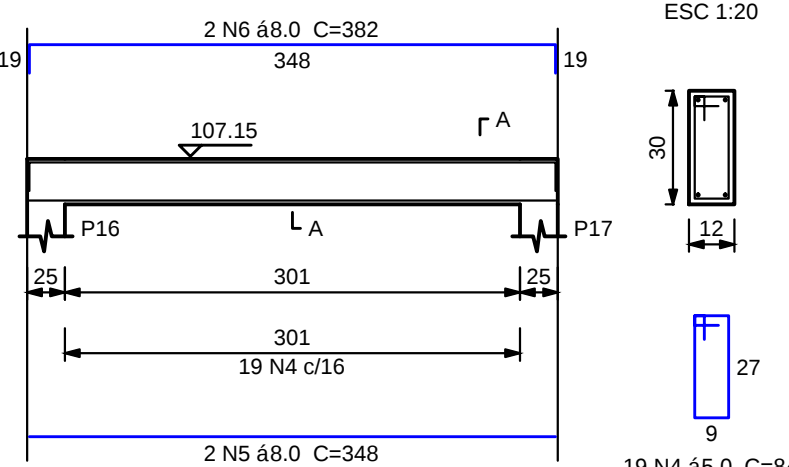
VC45

ESC 1:50



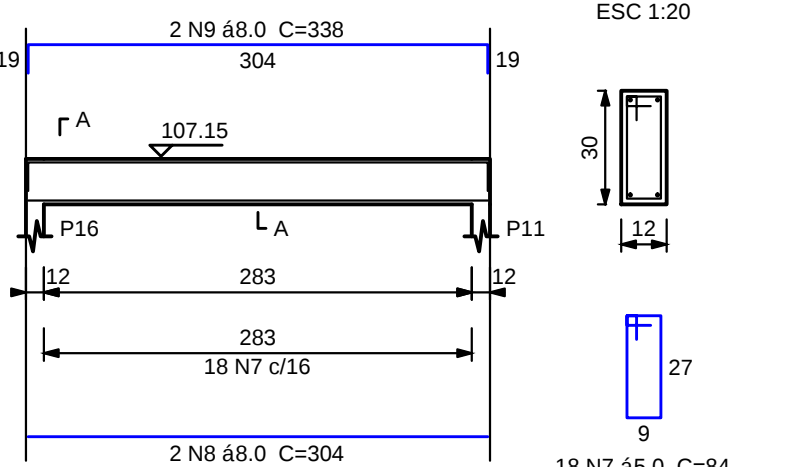
VC46

ESC 1:50



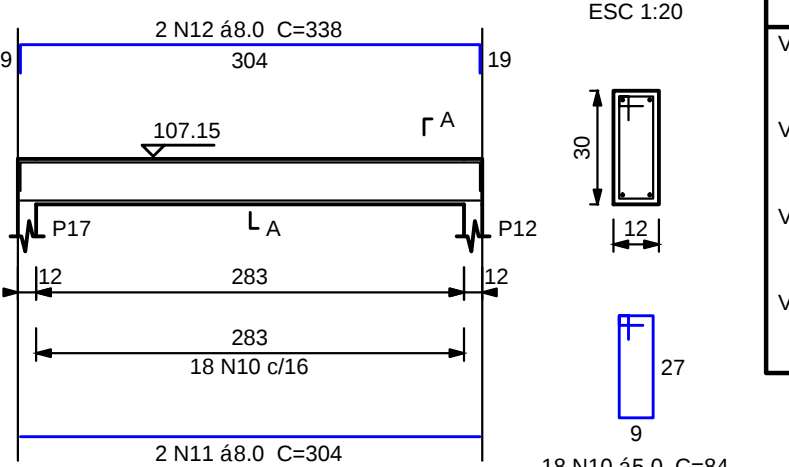
VC47

ESC 1:50



VC48

ESC 1:50



Relat̃o do ão

ELEMENTO	AE O	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
VC45	CA60	1	5.0	19	84	1596
	CA50	2	8.0	2	348	696
	CA50	3	8.0	2	382	764
	CA60	4	5.0	19	84	1596
	CA50	5	8.0	2	348	696
	CA50	6	8.0	2	382	764
	CA60	7	5.0	18	84	1512
	CA50	8	8.0	2	304	608
	CA50	9	8.0	2	338	676
	CA60	10	5.0	18	84	1512
	CA50	11	8.0	2	304	608
	CA50	12	8.0	2	338	676

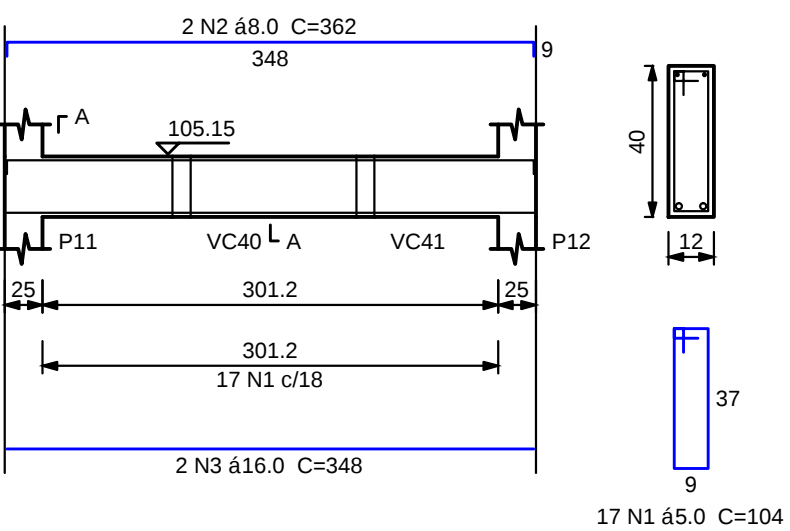
Resumo do ão

AE O	DIAM	C.TOTAL (m)	PESO (kg)
CA50	8.0	54.9	21.7
CA60	5.0	62.2	9.6

Vol. de concreto total (C-20) = 0.47 m³
Crea de forma total = 9.48 ml

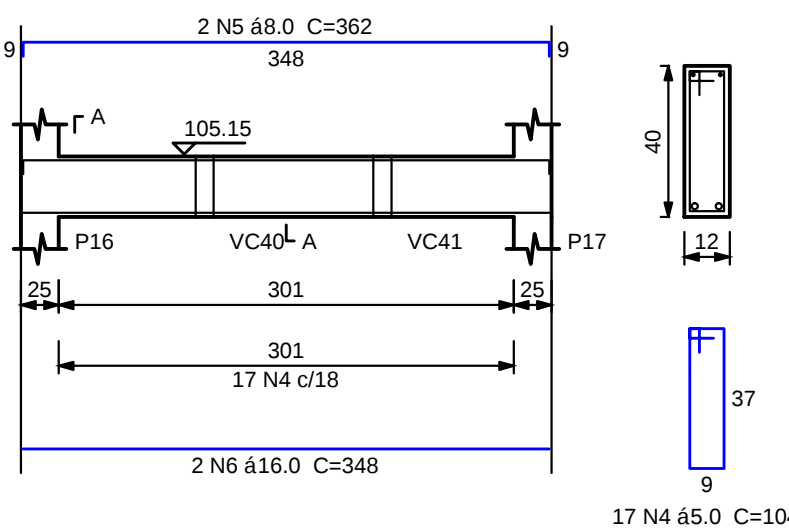
VC33

ESC 1:50



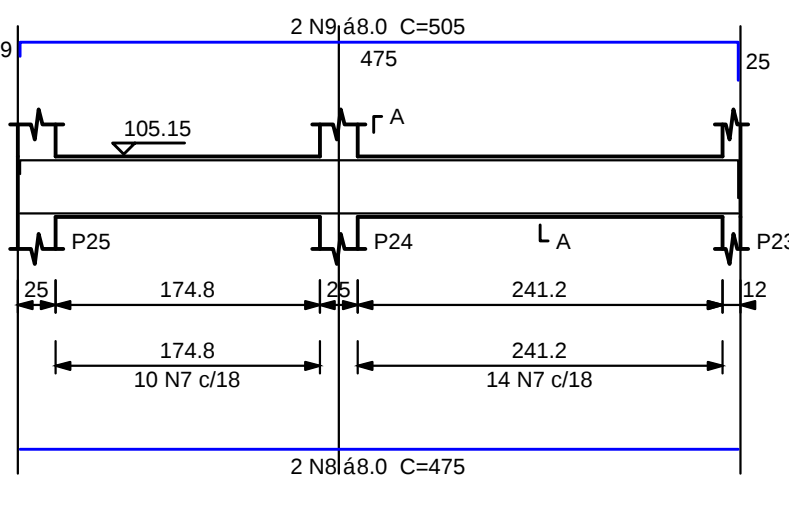
VC34

ESC 1:50



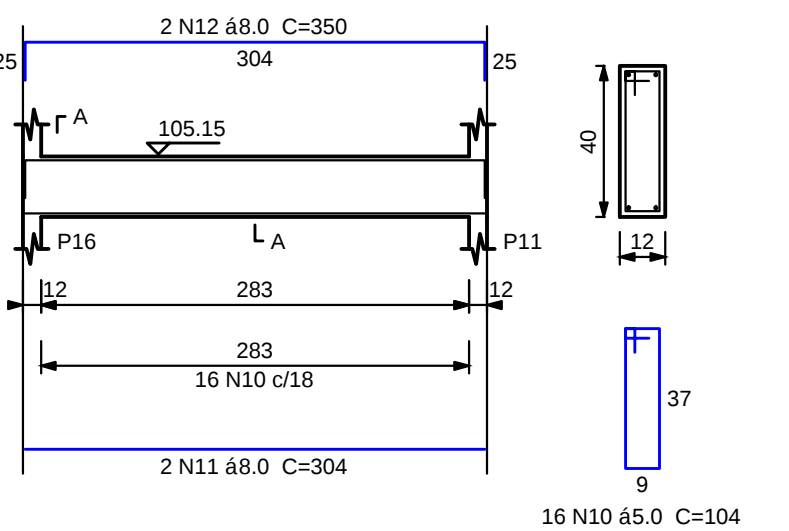
VC35

ESC 1:50



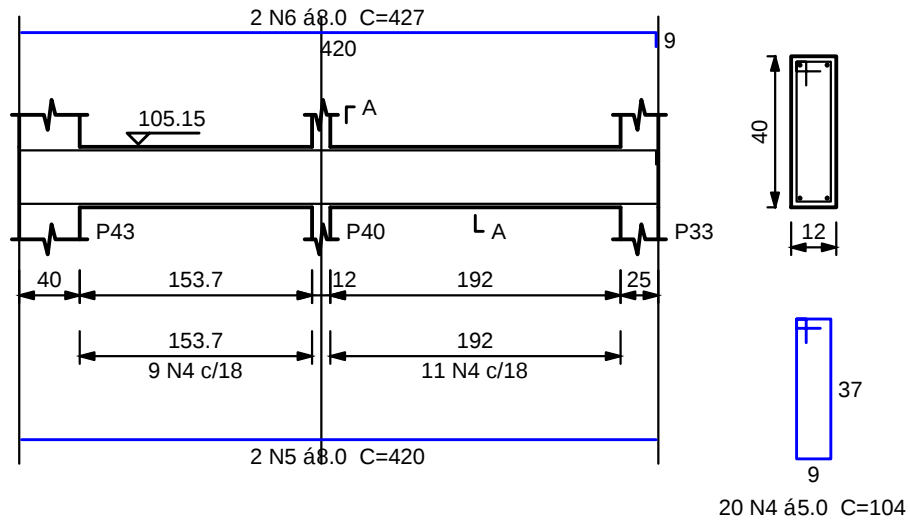
VC36

ESC 1:50



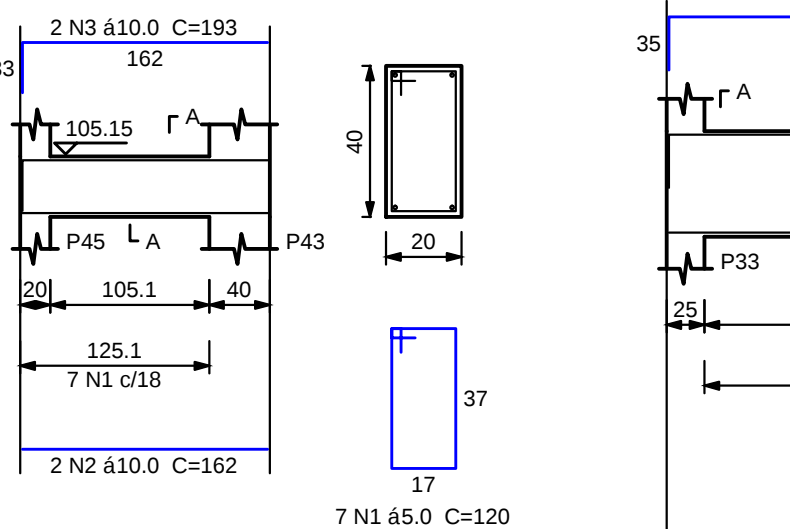
VC38

ESC 1:50



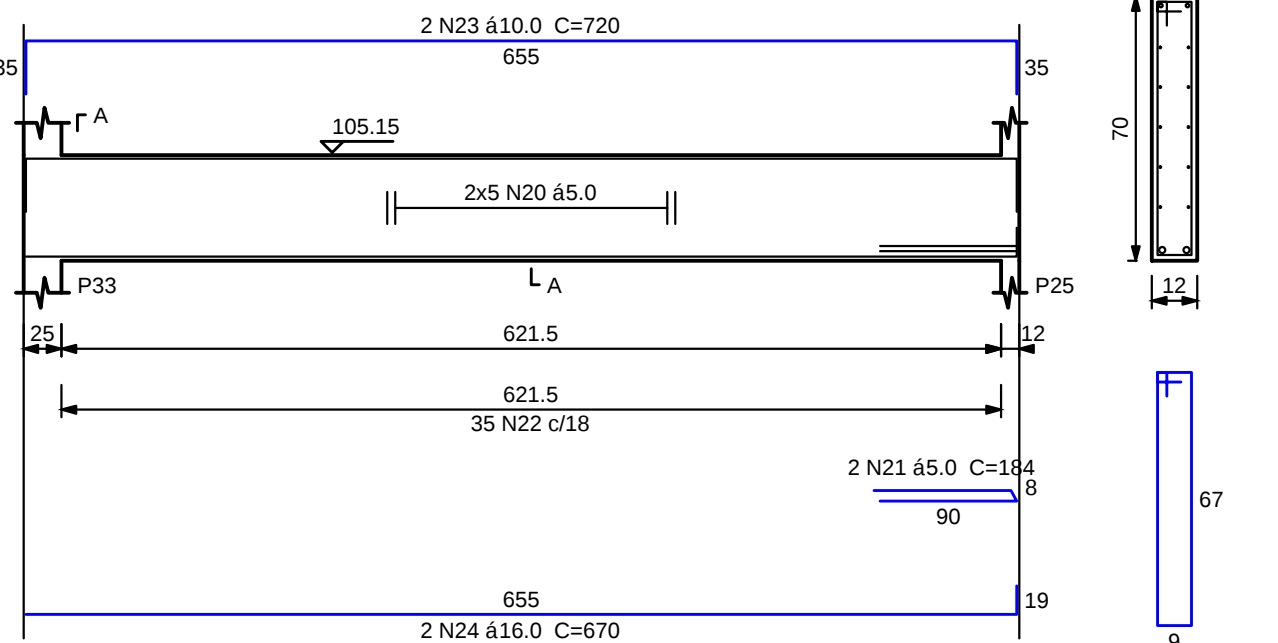
VC37

ESC 1:50



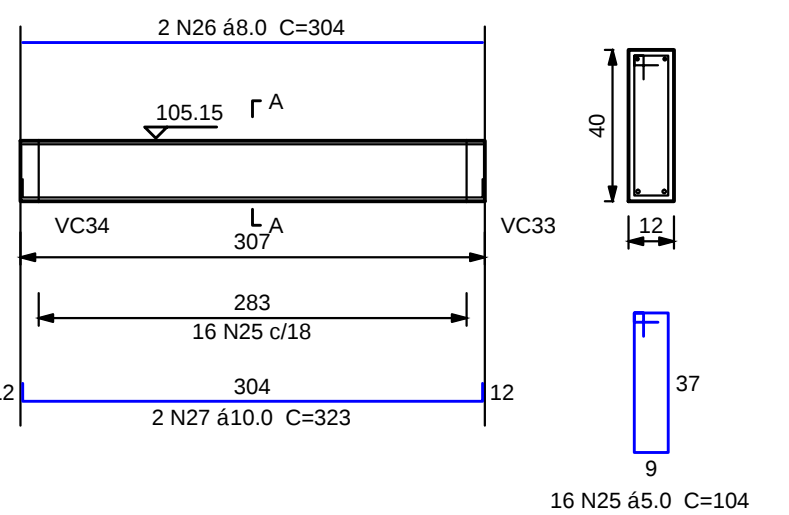
VC39

ESC 1:50



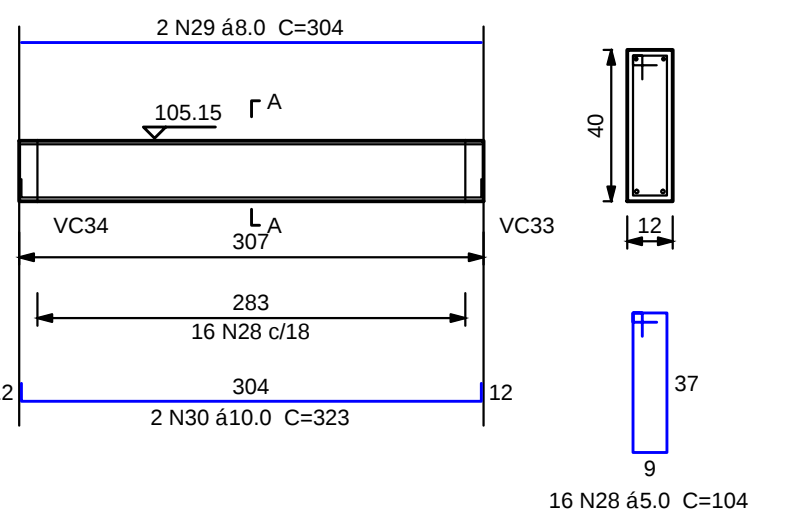
VC40

ESC 1:50



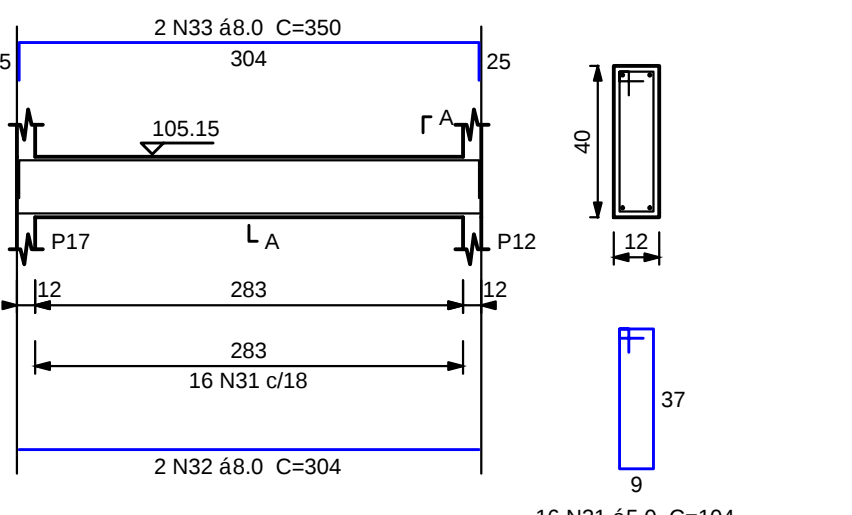
VC41

ESC 1:50



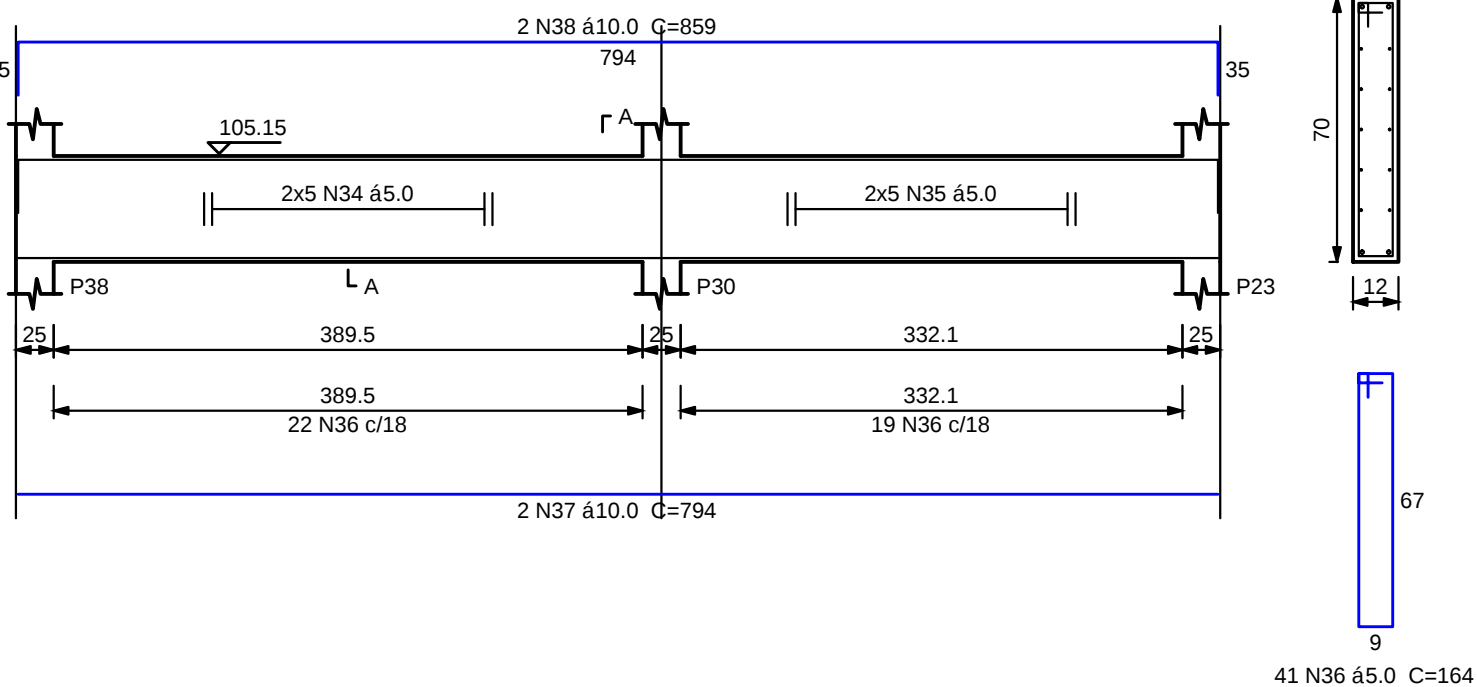
VC42

ESC 1:50



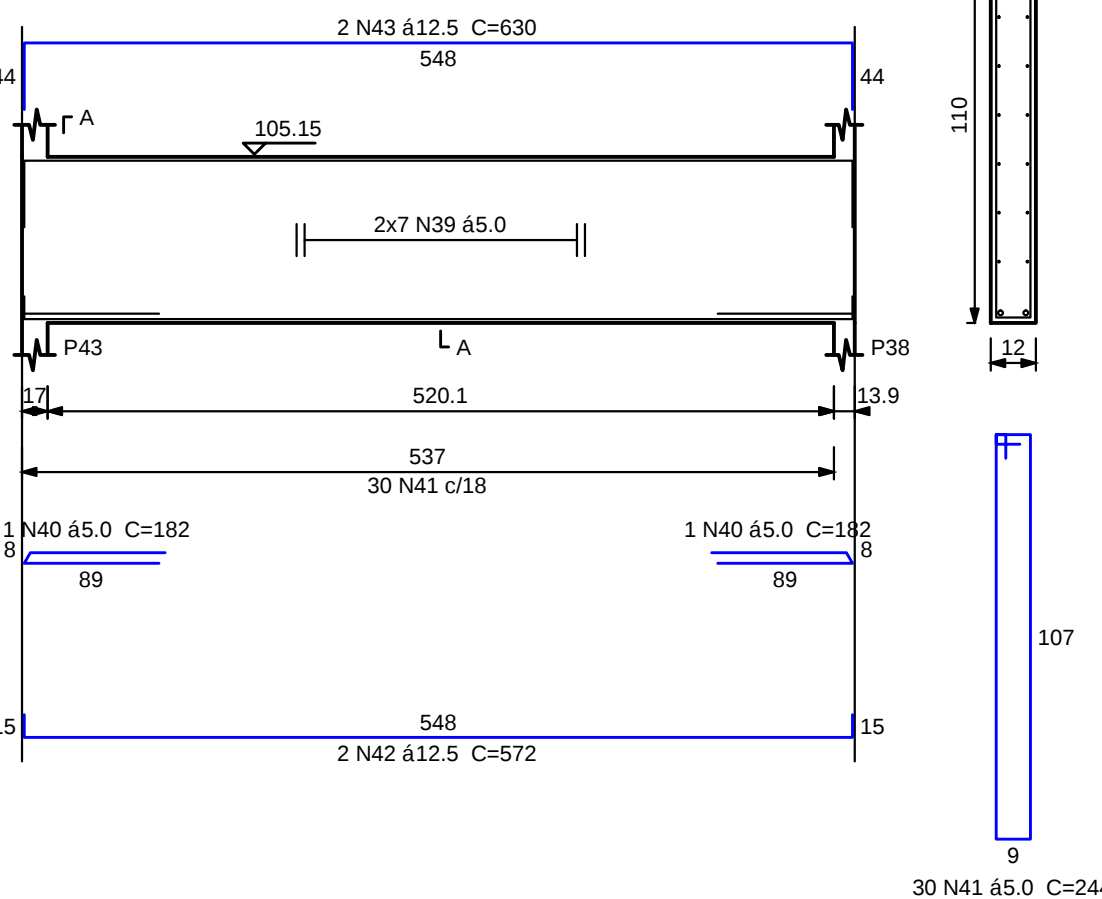
VC43

ESC 1:50



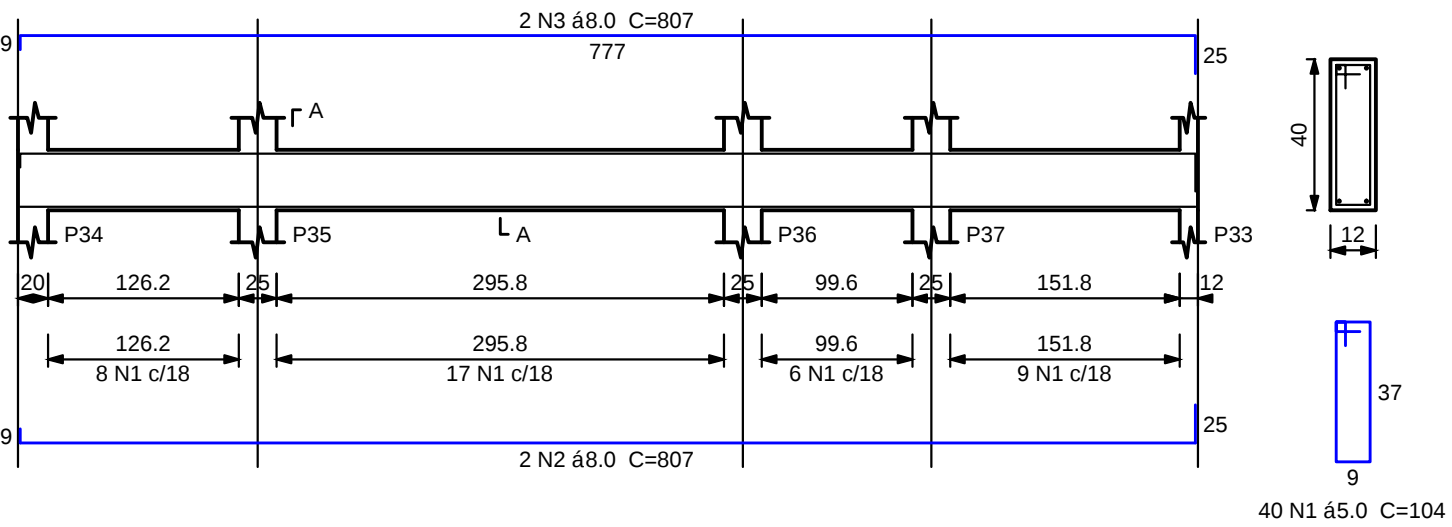
VC44

ESC 1:50



VC49 INC

ESC 1:50



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TÍTULO : 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 , N° 6-47 , CEP 17013-190 Fck ≥20MPa 08/08