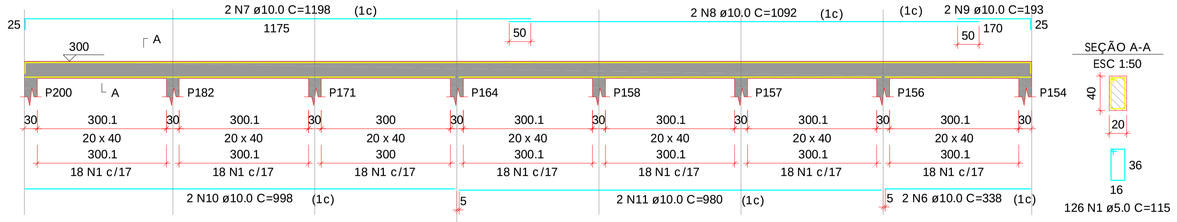
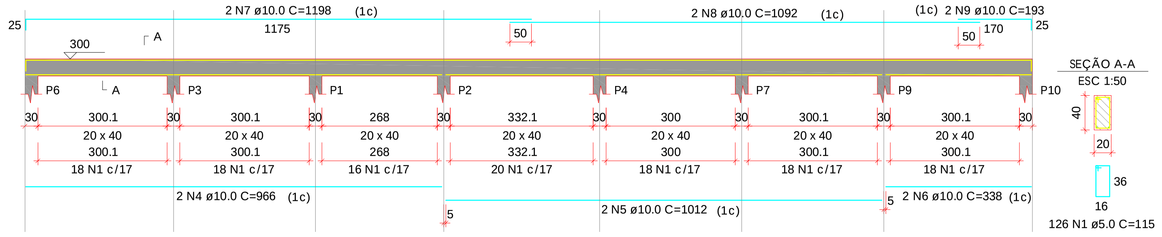
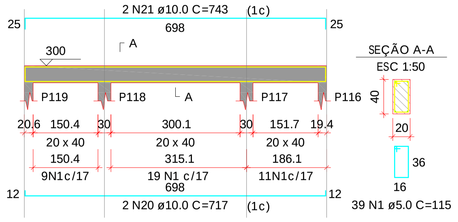
V21
ESC 1:100



V2
ESC 1:100



V17
ESC 1:100



RELAÇAO DO AÇO

V1 V2 V3
V4 V8 V15
V16 V17 V18
V19 V20 V21
V22 V23 V26
V28 V30 V31
V32 V34

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	1718	115	197570
CA50	2	10.0	2	978	1956
	3	10.0	2	1013	2026
	4	10.0	2	966	1932
	5	10.0	2	1012	2024
	6	10.0	22	338	7436
	7	10.0	24	1198	28752
	8	10.0	16	1092	17472
	9	10.0	20	193	3860
	10	10.0	18	998	17964
	11	10.0	16	980	15680
	12	10.0	2	998	1996
	13	10.0	2	980	1960
	14	10.0	2	307	614
	15	10.0	2	1061	2122
	16	10.0	2	979	1958
	17	10.0	2	1091	2182
	18	10.0	2	1006	2012
	19	10.0	2	1051	2102
	20	10.0	2	717	1434
	21	10.0	2	743	1486
	22	10.0	2	603	1206
	23	10.0	2	638	1276
	24	10.0	2	245	490
	25	10.0	2	198	396
	26	10.0	2	233	466
	27	10.0	2	637	1274
	28	10.0	2	682	1364
	29	10.0	2	676	1352
	30	10.0	2	721	1442
	31	10.0	2	185	370
	32	10.0	2	230	460
	33	10.0	2	875	1750
	34	10.0	2	1102	2204

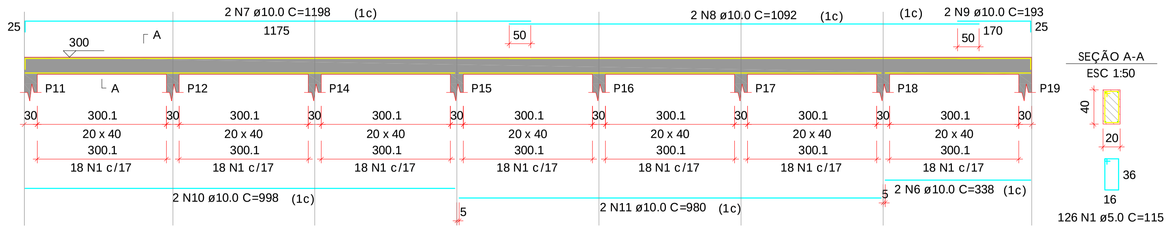
RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	1310.2	888.6
CA60	5.0	1975.7	335

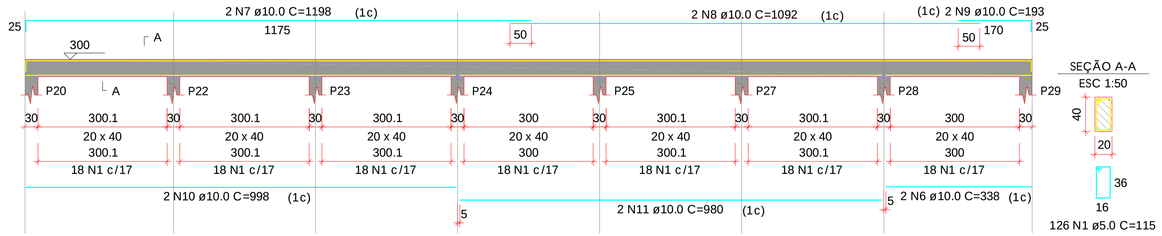
PESO TOTAL (kg)	
CA50	888.6
CA60	335

Volume de concreto (C-30) = 25.53 m³
Área de forma = 319.15 m²

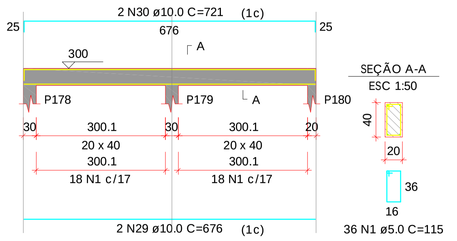
V3
ESC 1:100



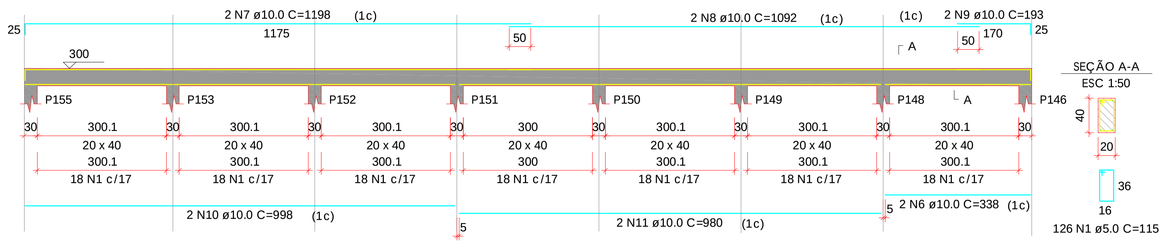
V4
ESC 1:100



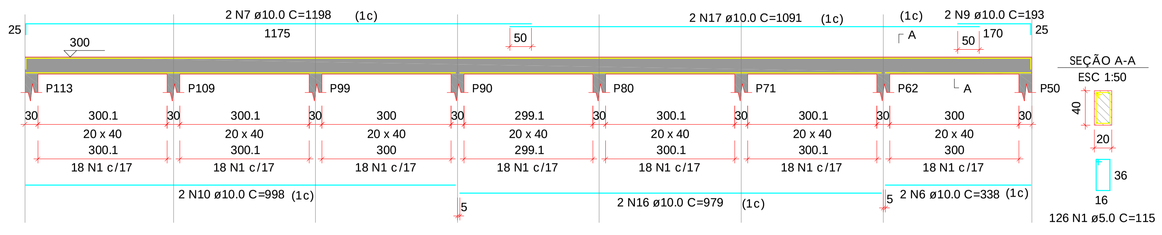
V28
ESC 1:100



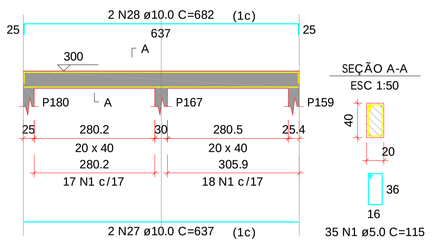
V23
ESC 1:100



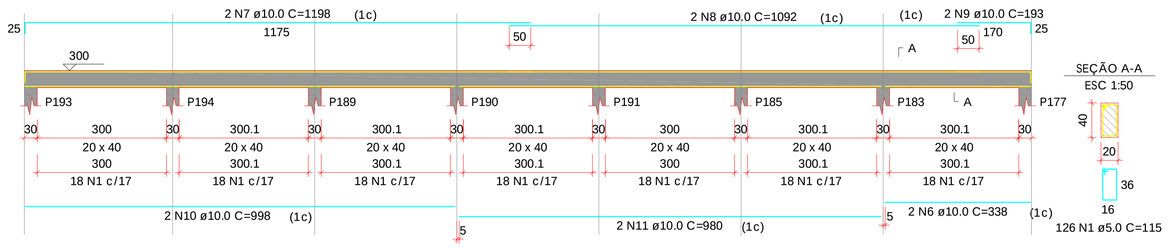
V15
ESC 1:100



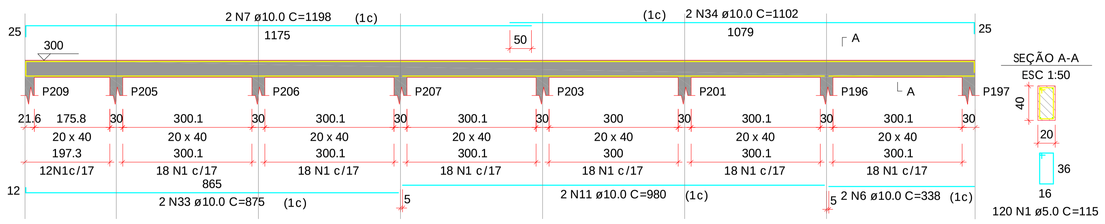
V26
ESC 1:100



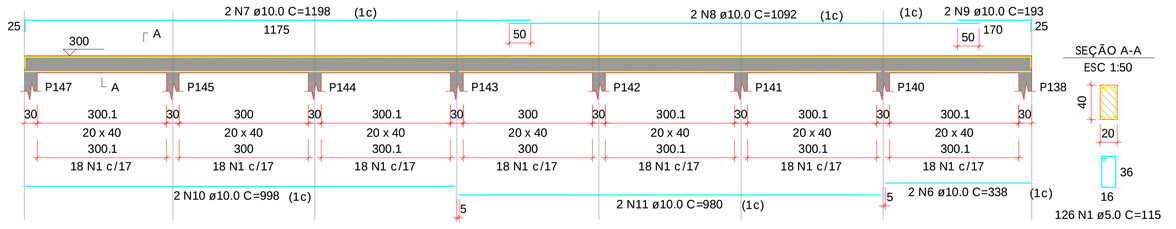
V30
ESC 1:100



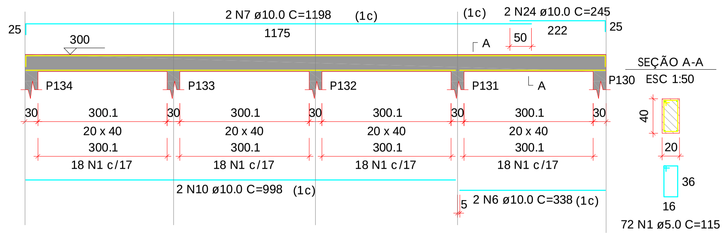
V34
ESC 1:100



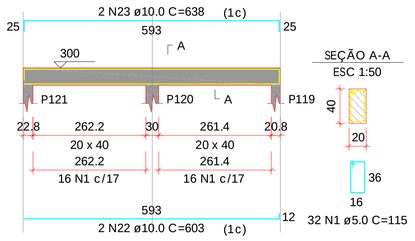
V22
ESC 1:100



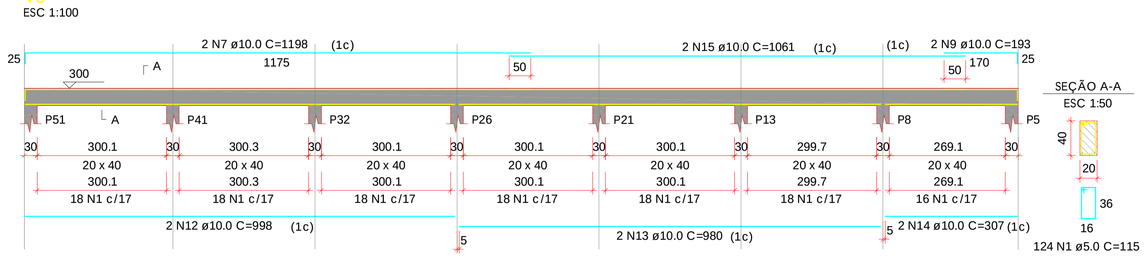
V20
ESC 1:100



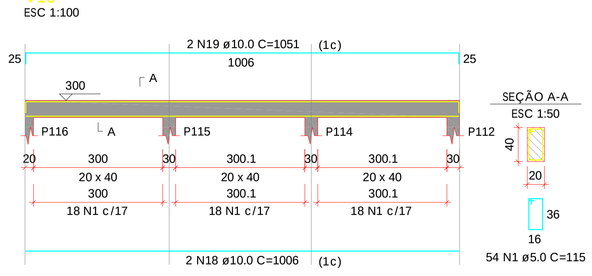
V18
ESC 1:100



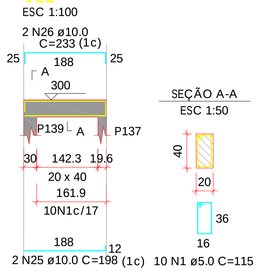
V8
ESC 1:100



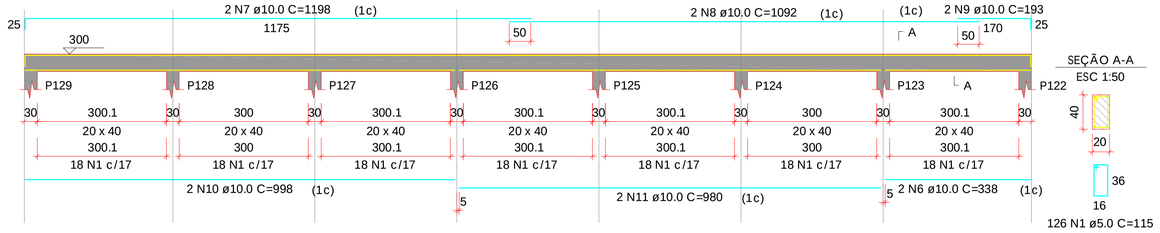
V16
ESC 1:100



V21
ESC 1:100

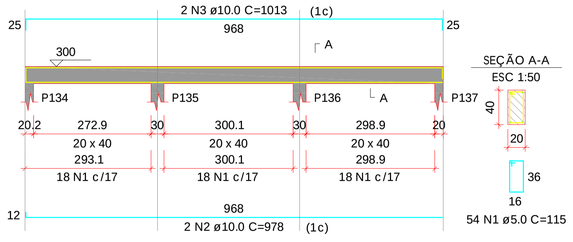


V19
ESC 1:100

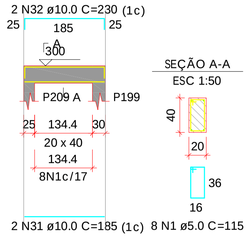


PLANTA DE ARMAÇÃO DAS VIGAS - GERATRIZ SUPERIOR DO MURO
escala 1:100

V1
ESC 1:100



V32
ESC 1:100



ENPROTEC ENGENHARIA
Fone: (091) 98148 - 8172
(093) 99127 - 8662
E-mail: enprotec@outlook.com
RESP. TÉCNICO
Engª Civil Érika Silva Guedes
CREA-PA 151511675-1

OBRA: Muro - SESC Ananindeua

ENDEREÇO: Rodovia do 40 horas, nº110 - Coqueiro - Ananindeua / PA

CLIENTE: SESC SERVIÇO SOCIAL DO COMÉRCIO
DEPARTAMENTO REGIONAL DO ESTADO DO PARÁ
RUA ASSIS DE VASCONCELOS, 319 - 5º 6º e 7º ANDARES
BELÉM - PA

EST. 21/23	PROJETO: ESTRUTURAL	ESCALA: INDICADA	
		DATA: Abril/2018	
	DESENHO: INDICADO	REVISÃO:	
		DESENV. PROJETO: Eng. Jefferson Neto	

Direitos Autorais Reservados, Lei Nº 5194/66