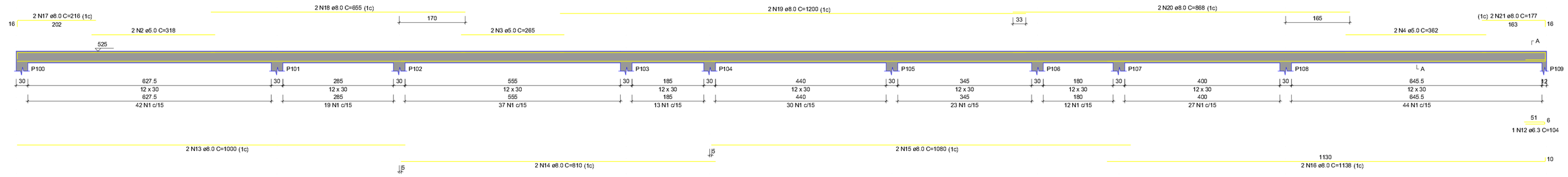
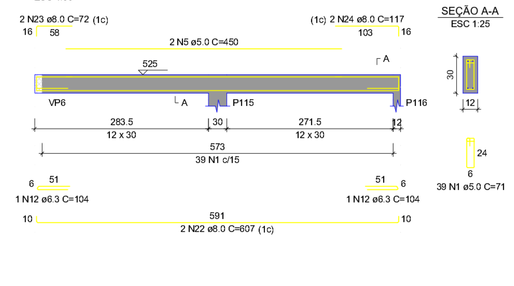
VP1
ESC 1:50



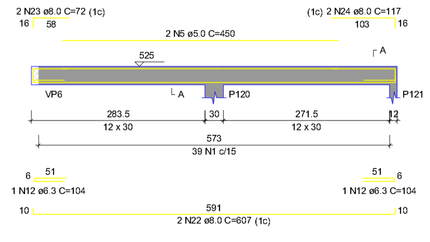
SEÇÃO A-A
ESC 1:25

VP2
ESC 1:50

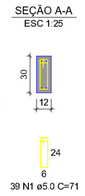


SEÇÃO A-A
ESC 1:25

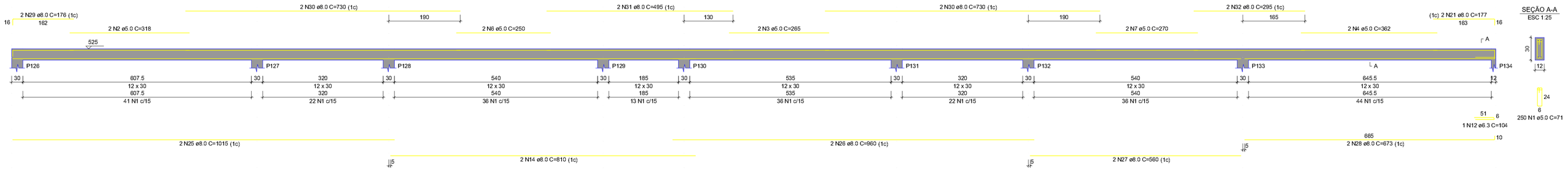
VP3
ESC 1:50



SEÇÃO A-A
ESC 1:25

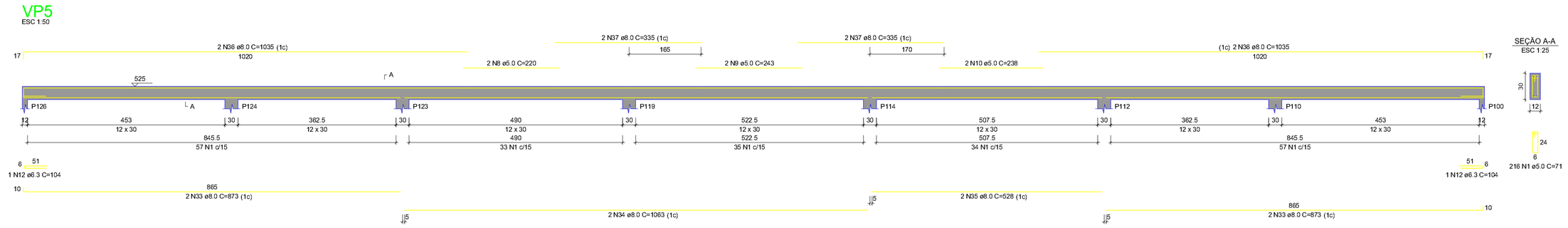


VP4
ESC 1:50



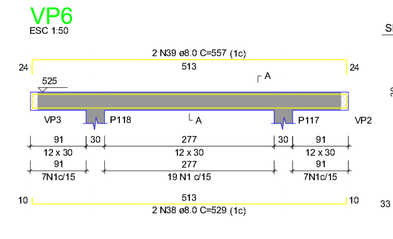
SEÇÃO A-A
ESC 1:25

VP5
ESC 1:50

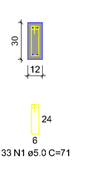


SEÇÃO A-A
ESC 1:25

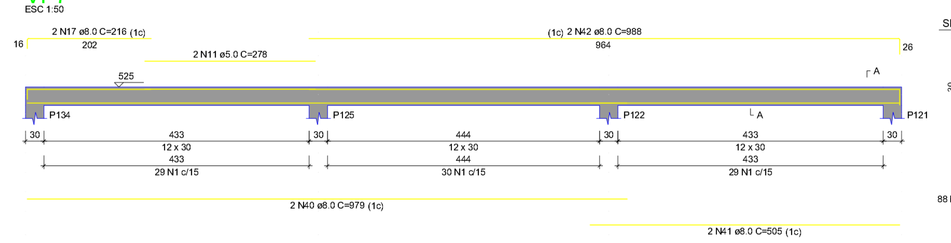
VP6
ESC 1:50



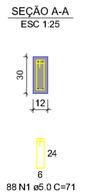
SEÇÃO A-A
ESC 1:25



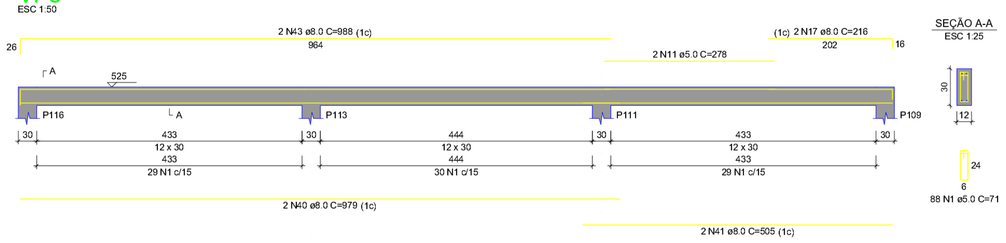
VP7
ESC 1:50



SEÇÃO A-A
ESC 1:25



VP8
ESC 1:50



SEÇÃO A-A
ESC 1:25

RELAÇÃO DO AÇO

VP1 VP2 VP3
VP4 VP5 VP6
VP7 VP8

AÇO	N	DIÂM (mm)	QUANT	C UNIT (cm)	C TOTAL (cm)
CA60	1	5.0	1000	71	71000
	2	5.0	4	318	1272
	3	5.0	4	265	1060
	4	5.0	4	362	1448
	5	5.0	4	450	1800
	6	5.0	2	250	500
	7	5.0	2	270	540
	8	5.0	2	220	440
	9	5.0	2	243	486
	10	5.0	2	238	476
	11	5.0	4	278	1112
	12	6.3	8	104	832
	13	8.0	2	1000	2000
	14	8.0	4	810	3240
	15	8.0	2	1080	2160
	16	8.0	2	1138	2278
	17	8.0	6	216	1296
	18	8.0	2	655	1310
	19	8.0	2	1200	2400
	20	8.0	2	868	1736
	21	8.0	4	177	708
	22	8.0	4	607	2428
	23	8.0	4	72	288
	24	8.0	4	117	468
	25	8.0	2	1015	2030
	26	8.0	2	960	1920
	27	8.0	2	560	1120
	28	8.0	2	673	1346
	29	8.0	2	176	352
	30	8.0	4	730	2920
	31	8.0	2	495	990
	32	8.0	2	295	590
	33	8.0	4	873	3492
	34	8.0	2	1063	2126
	35	8.0	2	528	1056
	36	8.0	4	1035	4140
	37	8.0	4	335	1340
	38	8.0	2	529	1058
	39	8.0	2	557	1114
	40	8.0	4	979	3916
	41	8.0	4	505	2020
	42	8.0	2	988	1976
	43	8.0	2	988	1976

RESUMO DO AÇO

AÇO	DIÂM (mm)	C TOTAL (m)	PESO + 10% (kg)
CA60	6.3	8.3	2.2
	8.0	557.9	242.2
CA50	5.0	801.3	135.9

PESO TOTAL (kg)	
CA50	244.4
CA60	135.9

Volume de concreto (C-25) = 5.28 m³
Área de forma = 105.64 m²

SECRETARIA MUNICIPAL DA EDUCAÇÃO
PREFEITURA MUNICIPAL DE PALMAS

OBRA: INSTITUCIONAL

Prancha 14/22

PROJETO ESTRUTURAL

OBRA: CENTRO MUNICIPAL DE EDUCAÇÃO INFANTIL JARDIM LAILA
PROPRIETÁRIO: PREFEITURA MUNICIPAL DE PALMAS
LOCAL: APM 16, AVENIDA REPÚBLICA DO LÍBANO, LOTEAMENTO JARDIM LAILA CIDADE: PALMAS/TO

ÁREAS

CONTEÚDO:
VIGAS PLAT/BANDA

PROPRIETÁRIO :	ASS: PREFEITURA MUNICIPAL DE PALMAS
RESPONSÁVEL TÉCNICO : ENGENHEIRO CIVIL	ASS:
CREA: 303580 / D - TO	Eng°. Jhonnath de Souza Branquinho
	ASS:
SECRETARIA MUNICIPAL DA EDUCAÇÃO	ASS:
DATA : AGOSTO/ 2025	
ESCALA : INDICADA	
DESENHO :	
VISTO :	N. DES. :

N.	REVISÃO	DES.	APROV.	DATA

LEI Nº 14.063, DE 23 DE SETEMBRO DE 2020
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