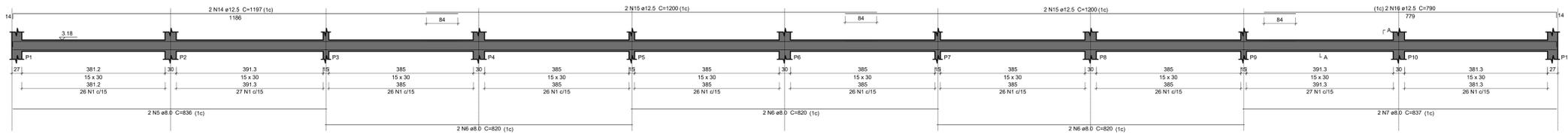


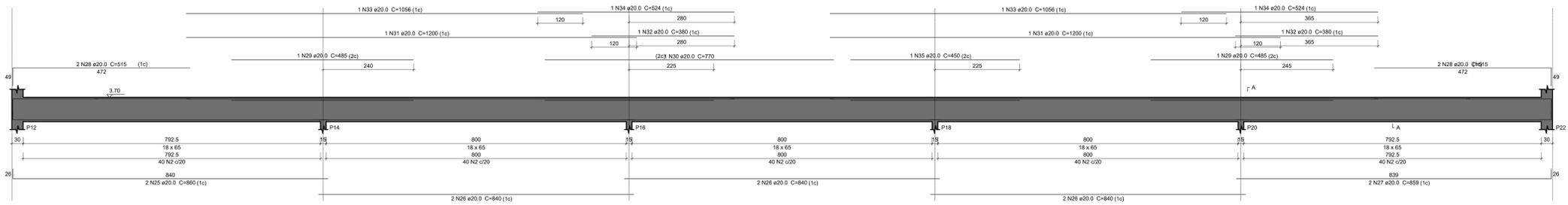
V1

ESC 1:50



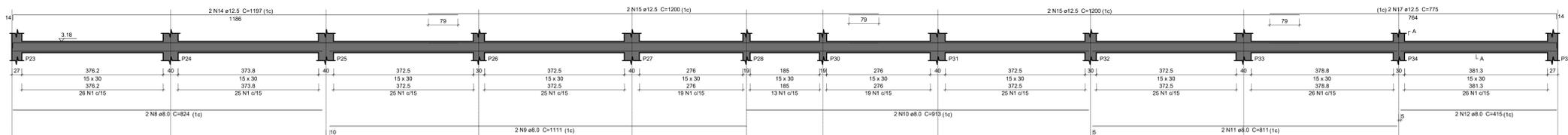
V2

ESC 1:50



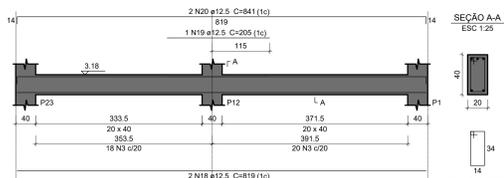
V3

ESC 1:50



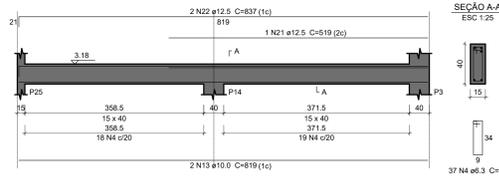
V4

ESC 1:50



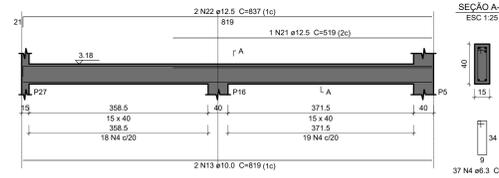
V5

ESC 1:50



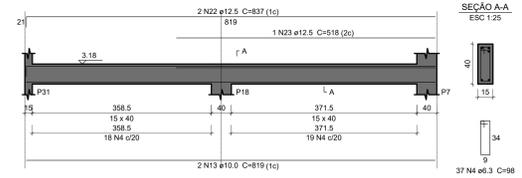
V6

ESC 1:50



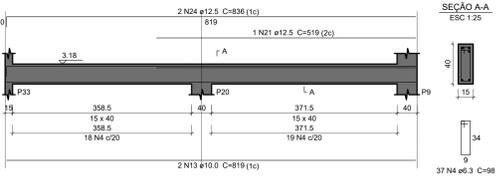
V7

ESC 1:50



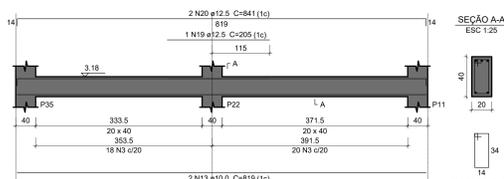
V8

ESC 1:50



V9

ESC 1:50



Relação do aço

CAISO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
	1	6.3	518	79	42048
	2	6.3	200	154	30800
	3	6.3	76	108	8208
	4	6.3	148	98	14504
	5	8.0	2	836	1672
	6	8.0	6	820	4920
	7	8.0	2	837	1674
	8	8.0	2	824	1648
	9	8.0	2	811	1622
	10	8.0	2	913	1826
	11	8.0	2	811	1622
	12	8.0	2	415	830
	13	10.0	10	819	8190
	14	12.5	4	1197	4788
	15	12.5	8	1200	9600
	16	12.5	2	790	1580
	17	12.5	2	775	1550
	18	12.5	2	819	1638
	19	12.5	2	295	410
	20	12.5	4	841	3364
	21	12.5	3	519	1557
	22	12.5	6	837	5022
	23	12.5	1	518	518
	24	12.5	2	836	1672
	25	20.0	2	860	1720
	26	20.0	6	840	5040
	27	20.0	2	859	1718
	28	20.0	4	515	2060
	29	20.0	2	485	970
	30	20.0	1	770	770
	31	20.0	2	1200	2400
	32	20.0	2	380	760
	33	20.0	2	1056	2112
	34	20.0	2	524	1048
	35	20.0	1	450	450

Resumo do aço

CAISO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
	6.3	937.6	2294.4
	8.0	164.2	64.8
	10.0	81.9	30.5
	12.5	317	300.4
	20.0	190.5	469.8
	PESO TOTAL		
	CAISO	1119.8	

Volume de concreto (C=30) = 11.09 m³
Área de forma = 170.39 m²

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REVISÃO	DESCRIÇÃO:	RESPONSÁVEL:	APROVAÇÃO:	DATA:
CAMPUS ROLANTE R5 239 ESTRADA TADUIARA ROLANTE ROLANTE/RS		OBRA: BLOCO SALAS DE AULA CONTEÚDO: VIGAS COBERTURA		
ASSUNTO: PROJETO ESTRUTURAL		ARQUIVO: ESTRUTURAL BLOCO SALAS DE AULA ROLANTE		
PROJETO: MICHEL LIMA LEVIEN ENG. CIVIL - CREIA 208718		ESCALA: INDICADA		
EXECUÇÃO: INSTITUTO FEDERAL DO RIO GRANDE DO SUL		ÁREA CONSTRUIDA: 330,82 m²		
PROPRIETÁRIO: INSTITUTO FEDERAL DO RIO GRANDE DO SUL		DESENHO: MICHEL		PRANCHAS: 07/11
		DATA: 14/07/2023		