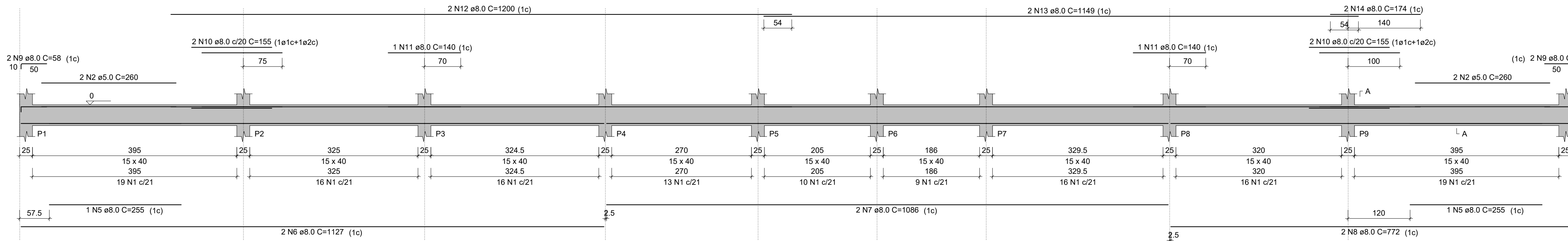
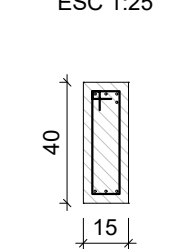


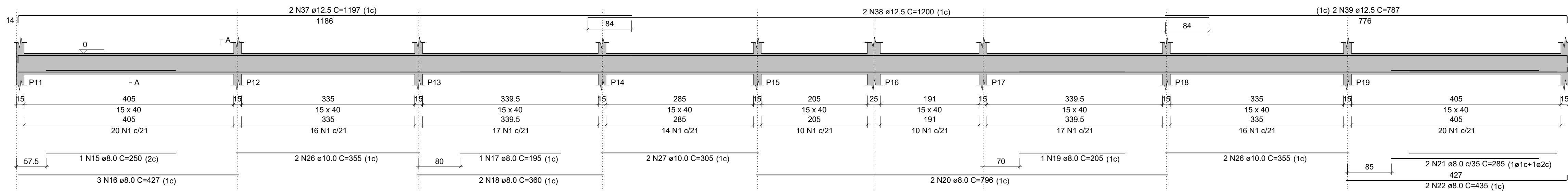
V1
ESC 1:50



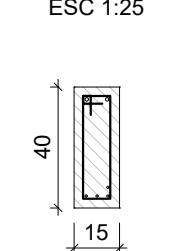
SEÇÃO A-A
ESC 1:25



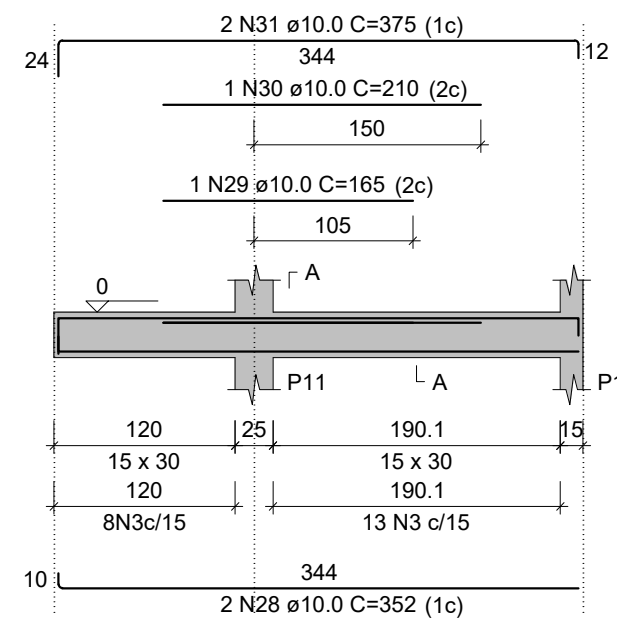
V2
ESC 1:50



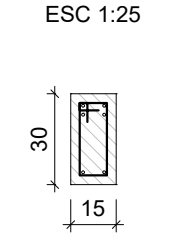
SEÇÃO A-A
ESC 1:25



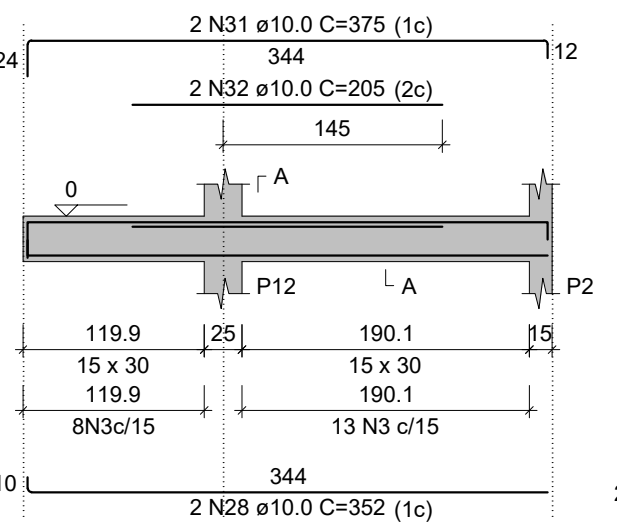
V3
ESC 1:50



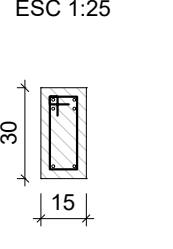
SEÇÃO A-A
ESC 1:25



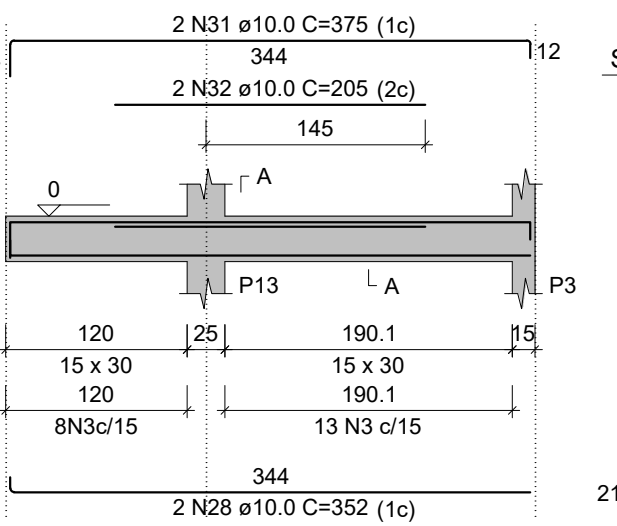
V4
ESC 1:50



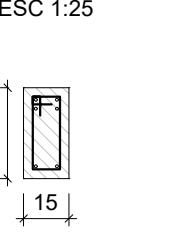
SEÇÃO A-A
ESC 1:25



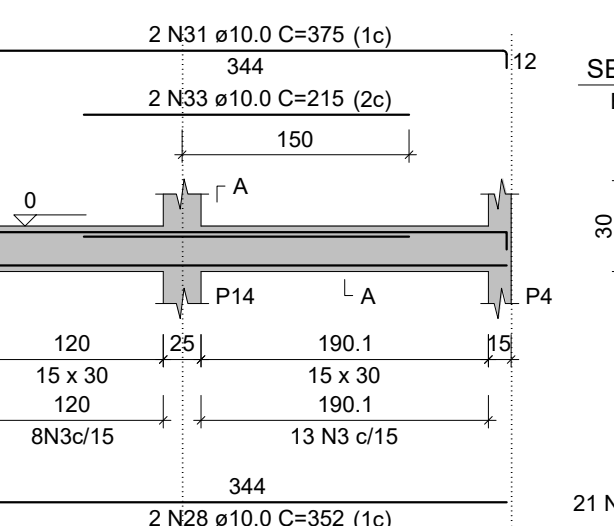
V5
ESC 1:50



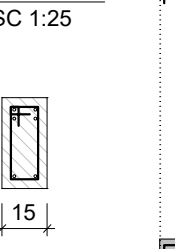
SEÇÃO A-A
ESC 1:25



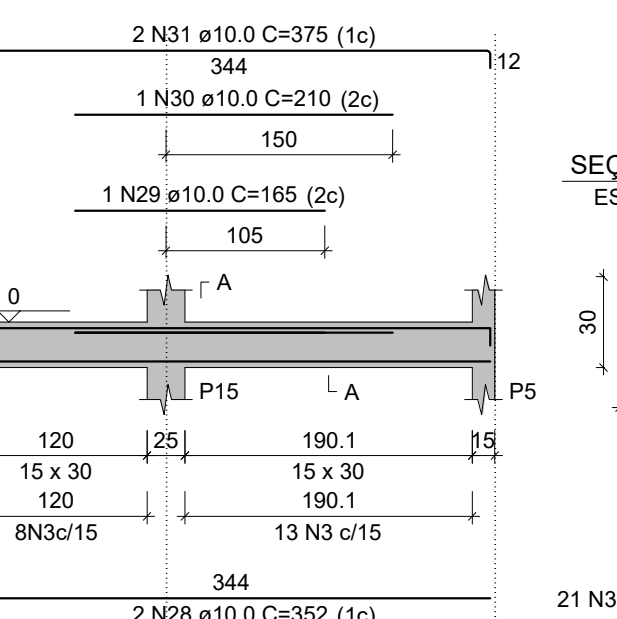
V6
ESC 1:50



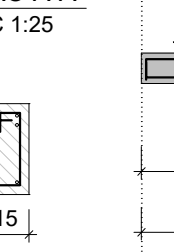
SEÇÃO A-A
ESC 1:25



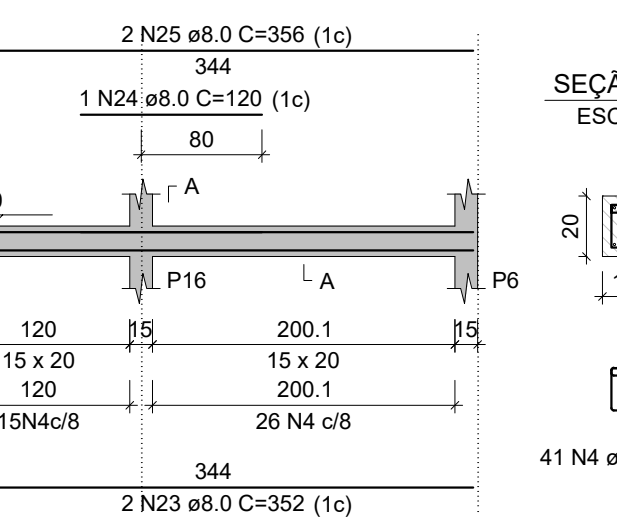
V7
ESC 1:50



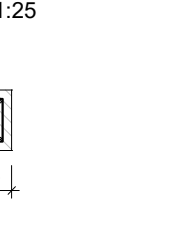
SEÇÃO A-A
ESC 1:25



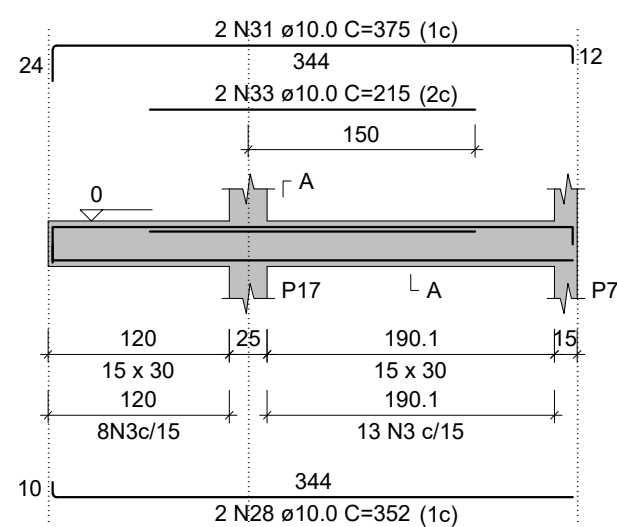
V8
ESC 1:50



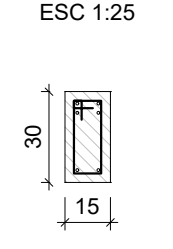
SEÇÃO A-A
ESC 1:25



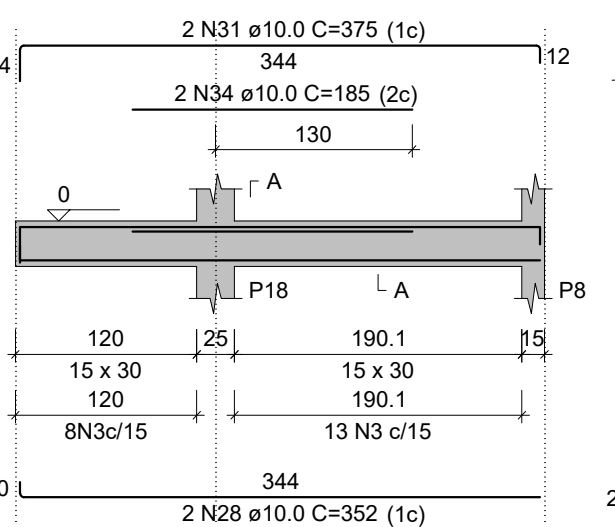
V9
ESC 1:50



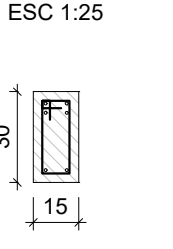
SEÇÃO A-A
ESC 1:25



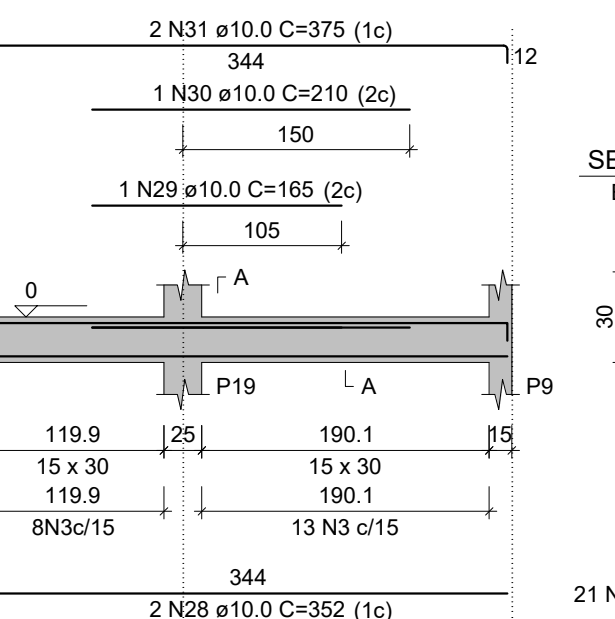
V10
ESC 1:50



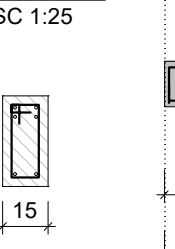
SEÇÃO A-A
ESC 1:25



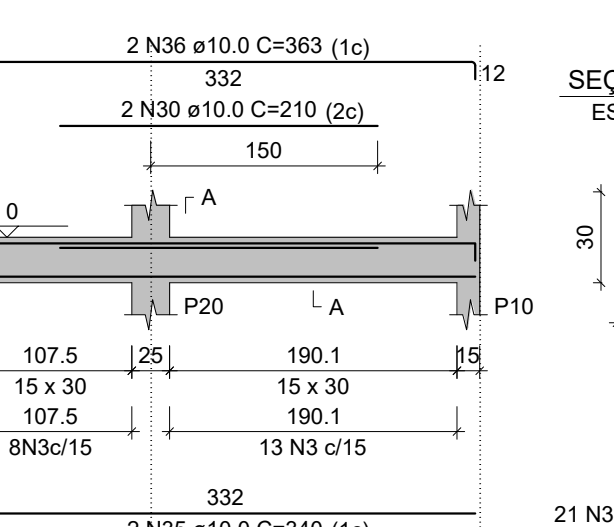
V11
ESC 1:50



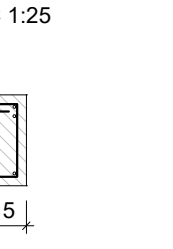
SEÇÃO A-A
ESC 1:25



V12
ESC 1:50



SEÇÃO A-A
ESC 1:25



RELAÇÃO DO AÇO

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C-TOTAL (cm)
CA60	1	5.0	274	97	26578
	2	5.0	4	260	1040
	3	5.0	189	77	14553
	4	5.0	41	57	2337
	5	8.0	2	255	510
	6	8.0	2	1127	2254
	7	8.0	2	1086	2172
	8	8.0	2	772	1544
	9	8.0	4	58	232
	10	8.0	4	155	620
	11	8.0	2	140	280
	12	8.0	2	1200	2400
	13	8.0	2	1149	2298
	14	8.0	2	174	348
	15	8.0	1	250	250
	16	8.0	3	427	1281
	17	8.0	1	195	195
	18	8.0	2	360	720
	19	8.0	1	205	205
	20	8.0	2	796	1592
	21	8.0	2	285	570
	22	8.0	2	435	870
	23	8.0	2	352	704
	24	8.0	1	120	120
	25	8.0	2	356	712
	26	10.0	4	355	1420
	27	10.0	2	305	610
	28	10.0	16	352	5632
	29	10.0	3	165	495
	30	10.0	5	210	1050
	31	10.0	16	375	6000
	32	10.0	4	205	820
	33	10.0	4	215	860
	34	10.0	2	185	370
	35	10.0	2	340	680
	36	10.0	2	363	726
	37	12.5	2	1197	2394
	38	12.5	2	1200	2400
	39	12.5	2	787	1574

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 10% (Barras)	PESO + 10% (kg)
CA50	8.0	198.8	19	86.3
	10.0	186.6	18	126.6
	12.5	63.7	6	67.5
	5.0	445.1	-	75.5
PESO TOTAL (kg)				
CA50		280.3		
CA60		75.5		

Volume de concreto (C-30) = 5.12 m³
Área de forma = 82.46 m²

ASSINATURAS

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INTERVENÇÃO:

REFORMA e AMPLIAÇÃO

ART Nº:

DIREITOS AUTORAIS RESERVADOS POR LEI.

REVISÃO

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PREFEITURA MUNICIPAL DE GASPAR
SECRETARIA MUNICIPAL DE EDUCAÇÃO - SEMED
RUA SÃO PEDRO Nº 128 - CENTRO - GASPAR - CEP 89110-082

Projeto de Reforma e Ampliação da E.E.B Prof. Dolores Luzia dos Santos Krauss

ESTRUTURAL

CONTEÚDO:

DETALHAMENTO DE VIGAS (SUPERIOR)

ESCALA: INDICADA

FRANCHA

EST 10/11

Nº DE FRANHAS: 11

DESENHISTA: ALLAN BELLAFRONTI BETONI

DATA: 19/01/2022