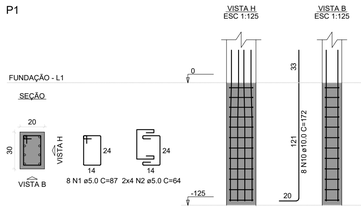
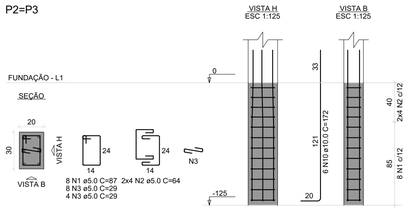
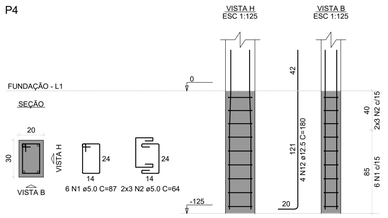
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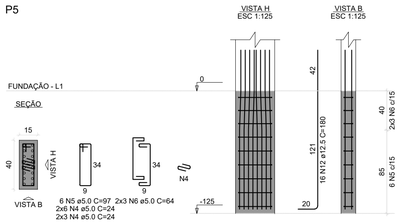
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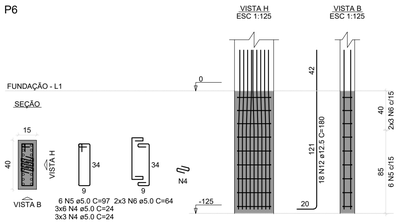
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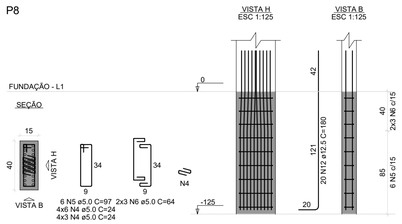
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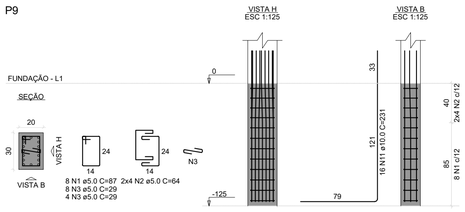
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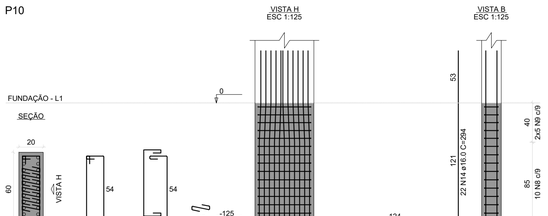
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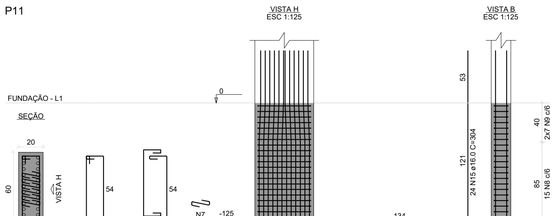
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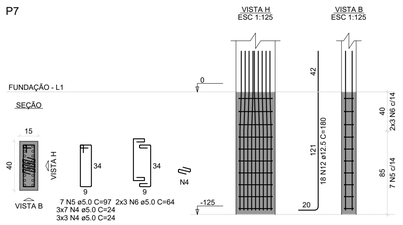
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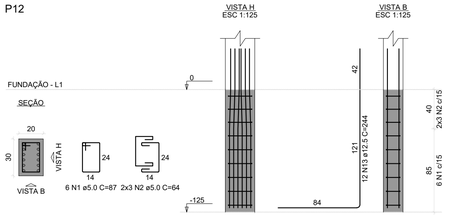
P11



P7



P12



PILARES FUNDAÇÃO

RELAÇÃO DO AÇO

P1	2xP2	P4
P3	P6	P7
P8	P9	P10
P11	P12	

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	44	87	3828
	2	5.0	44	64	2816
	3	5.0	44	97	4268
	4	5.0	111	24	2664
	5	5.0	25	97	2425
	6	5.0	24	64	1536
	7	5.0	221	30	6630
	8	5.0	25	147	3675
	9	5.0	24	97	2328
CA50	10	10.0	20	172	3440
	11	10.0	16	231	3696
	12	12.5	12	231	2772
	13	12.5	12	244	2928
	14	16.0	12	304	3648
	15	16.0	24	304	7296

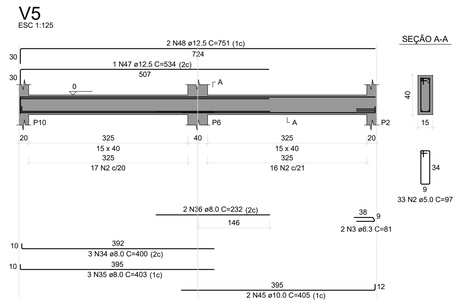
RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	71.4	48.4
	12.5	166.1	176
	16.0	137.6	239
CA60	5.0	271.2	46
PESO TOTAL (kg)			
CA50	463.4		
CA60	46		

Volume de concreto (C-30) = 0.56 m³
Área de forma = 9.35 m²

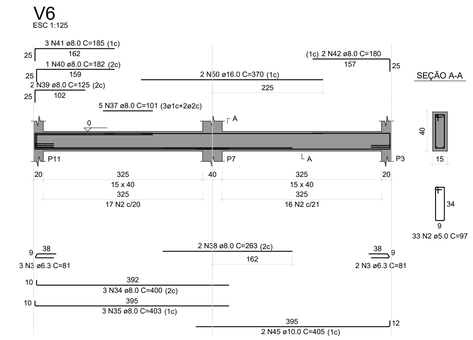
V5

ESC 1:125



V6

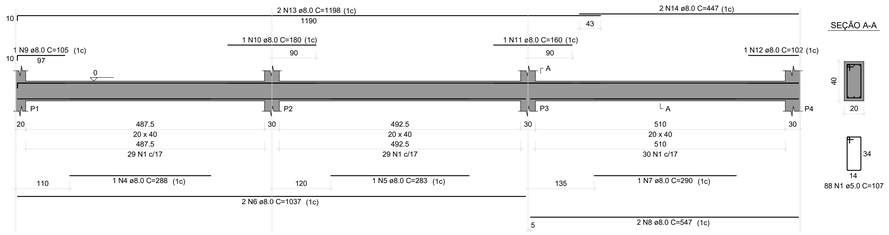
ESC 1:125



VIGAS BALDRAME

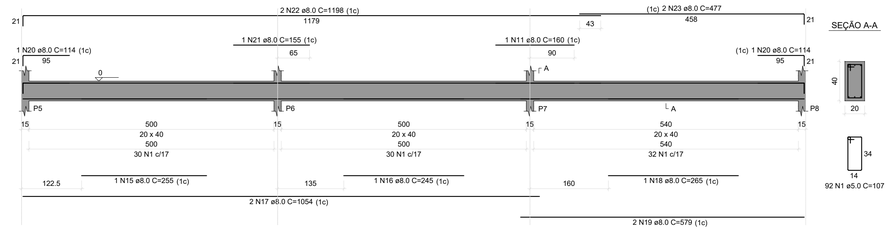
V1

ESC 1:125



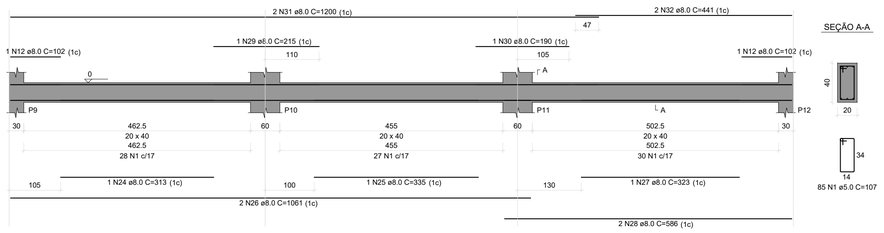
V2

ESC 1:125



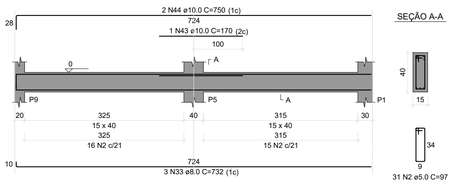
V3

ESC 1:125



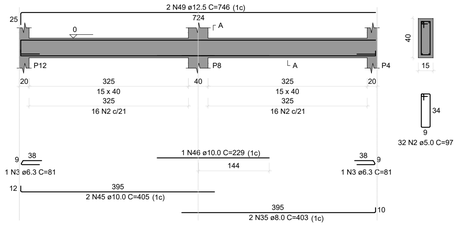
V4

ESC 1:125



V7

ESC 1:125



RELAÇÃO DO AÇO

V1 V2 V3
V4 V5 V6
V7

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA50	1	5.0	355	107	38055
	2	5.0	139	97	13513
CA50	3	6.3	9	91	728
	4	8.0	1	288	288
	5	8.0	1	283	283
	6	8.0	1	1037	2074
	7	8.0	1	290	290
	8	8.0	1	547	1094
	9	8.0	1	105	105
	10	8.0	1	160	160
	11	8.0	2	160	320
	12	8.0	3	102	306
	13	8.0	2	1198	2396
	14	8.0	2	447	894
	15	8.0	1	255	255
	16	8.0	1	245	245
	17	8.0	2	1054	2108
	18	8.0	1	265	265
	19	8.0	2	579	1158
	20	8.0	2	114	228
	21	8.0	1	155	155
	22	8.0	2	1198	2396
	23	8.0	2	477	954
	24	8.0	2	313	313
	25	8.0	1	335	335
	26	8.0	2	1061	2122
	27	8.0	1	323	323
	28	8.0	2	586	1172
	29	8.0	1	215	215
	30	8.0	1	190	190
	31	8.0	1	1200	2400
	32	8.0	2	441	882
	33	8.0	1	732	2196
	34	8.0	8	406	2400
	35	8.0	8	403	3224
	36	8.0	2	232	464
	37	8.0	5	101	505
	38	8.0	5	103	506
	39	8.0	2	125	250
	40	8.0	2	182	182
	41	8.0	3	185	555
	42	8.0	1	180	180
	43	10.0	1	170	170
	44	10.0	2	750	1500
	45	10.0	6	405	2430
	46	12.5	1	229	229
	47	12.5	1	534	534
	48	12.5	2	751	1502
	49	12.5	2	746	1492
	50	16.0	2	370	740

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	6.3	7.3	2
	8.0	346.1	150.2
	10.0	43.2	29.4
	12.5	35.3	37.4
	16.0	7.4	12.5
CA60	5.0	406.7	68.3
PESO TOTAL (kg)			
CA50	231.8		
CA60	69.3		

Volume de concreto (C-30) = 5.11 m³
Área de forma = 69.11 m²

PROJETO - REFORMA E AMPLIAÇÃO SALAS DE AULA E ACESSO ACESSÍVEL DA FUNDAÇÃO CULTURAL

PROPRIETÁRIO: Prefeitura municipal de São carlos

ASSINATURA:

RESPONSÁVEL TÉCNICO: Arq. Maiara Magri Zanatta

ASSINATURA: MAIARA MAGRI ZANATTA:84903945049 Assinado de forma digital por MAIARA MAGRI ZANATTA:84903945049 Dados: 2026.10.28 09:46:57 -03'00'

CAU: A1523651

ESPECIFICAÇÃO: Projeto estrutural
Arranques
Vigas baldrame

ESCALAS: Indicada

ÁREA: 116,80

DATA: Outubro/2026

PRANCHA: 3/5