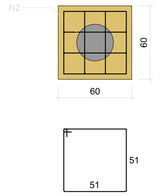
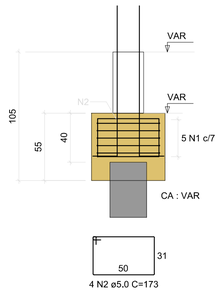
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=B34=B35=B38=B39=B40=B41
1xC30

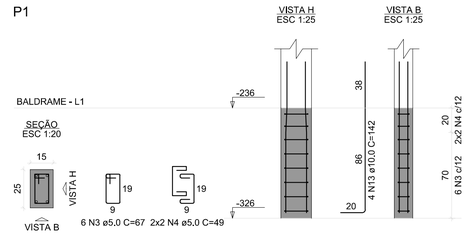
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ESC 1:25



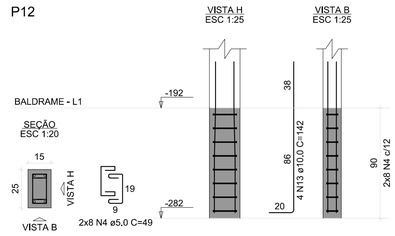
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ESC 1:25



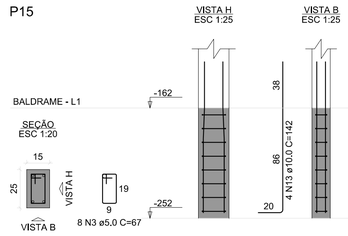
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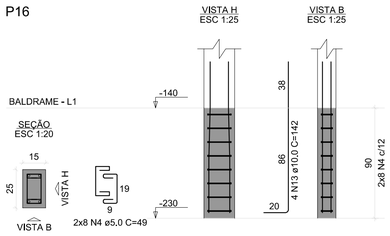
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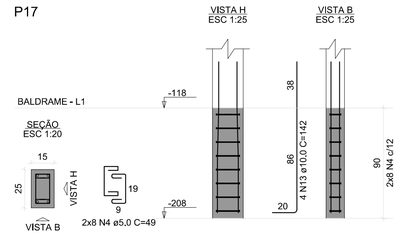
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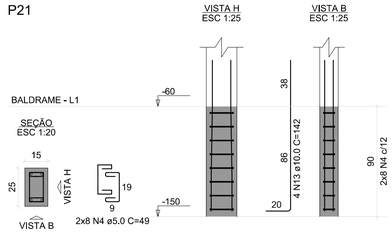
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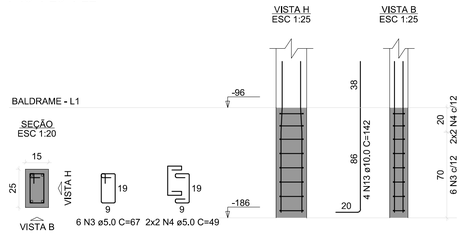
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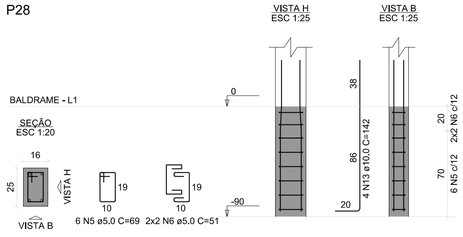
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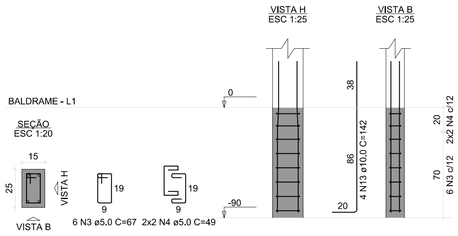
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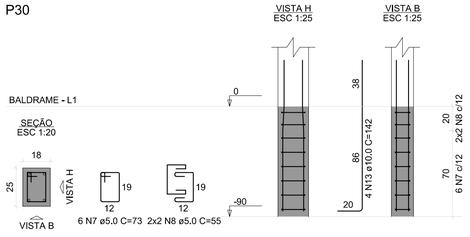
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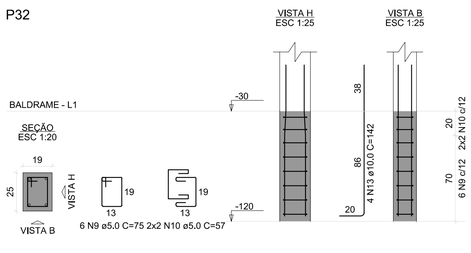
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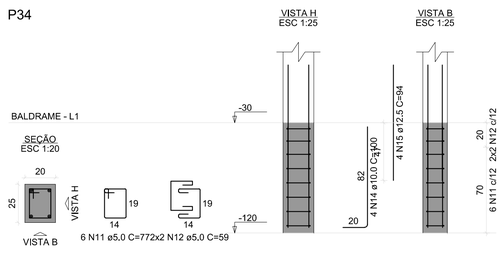
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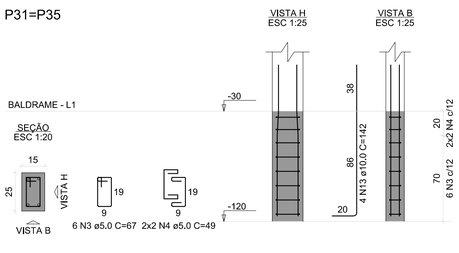
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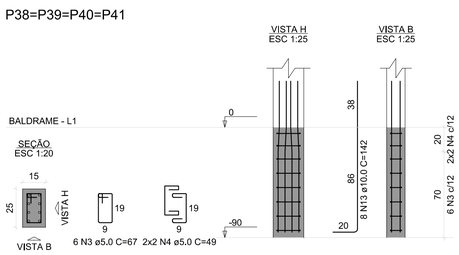
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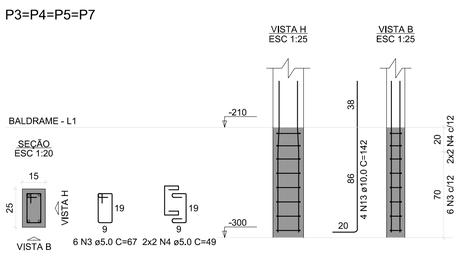
P31=P35



P38=P39=P40=P41



P3=P4=P5=P7



RELAÇÃO DO AÇO

26xB41	P1	4xP3
P12	P15	P16
P17	3xP19	P21
3xP25	P28	P30
2xP31	P32	P34
4xP38		

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5,0	130	215	27950
	2	5,0	104	173	17992
	3	5,0	110	67	7370
	4	5,0	132	49	6468
	5	5,0	6	69	414
	6	5,0	4	51	204
	7	5,0	6	73	438
	8	5,0	4	55	220
	9	5,0	6	75	450
	10	5,0	4	57	228
	11	5,0	6	77	462
	12	5,0	4	59	236
CA50	13	10,0	116	142	16472
	14	10,0	4	100	400
	15	12,5	4	94	376

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10,0	168,7	114,4
	12,5	3,8	4
CA60	5,0	624,3	105,9

PESO TOTAL (kg)	
CA50	118,4
CA60	105,9

Volume de concreto (C-25) = 5,38 m³
Área de forma = 44,85 m²

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Projeto:
ESTRUTURAL RAMPA ESCOLA MUN. PROF. ACEIR MIGUEL MOREIRA

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Escala:
1/50

Folha:
05