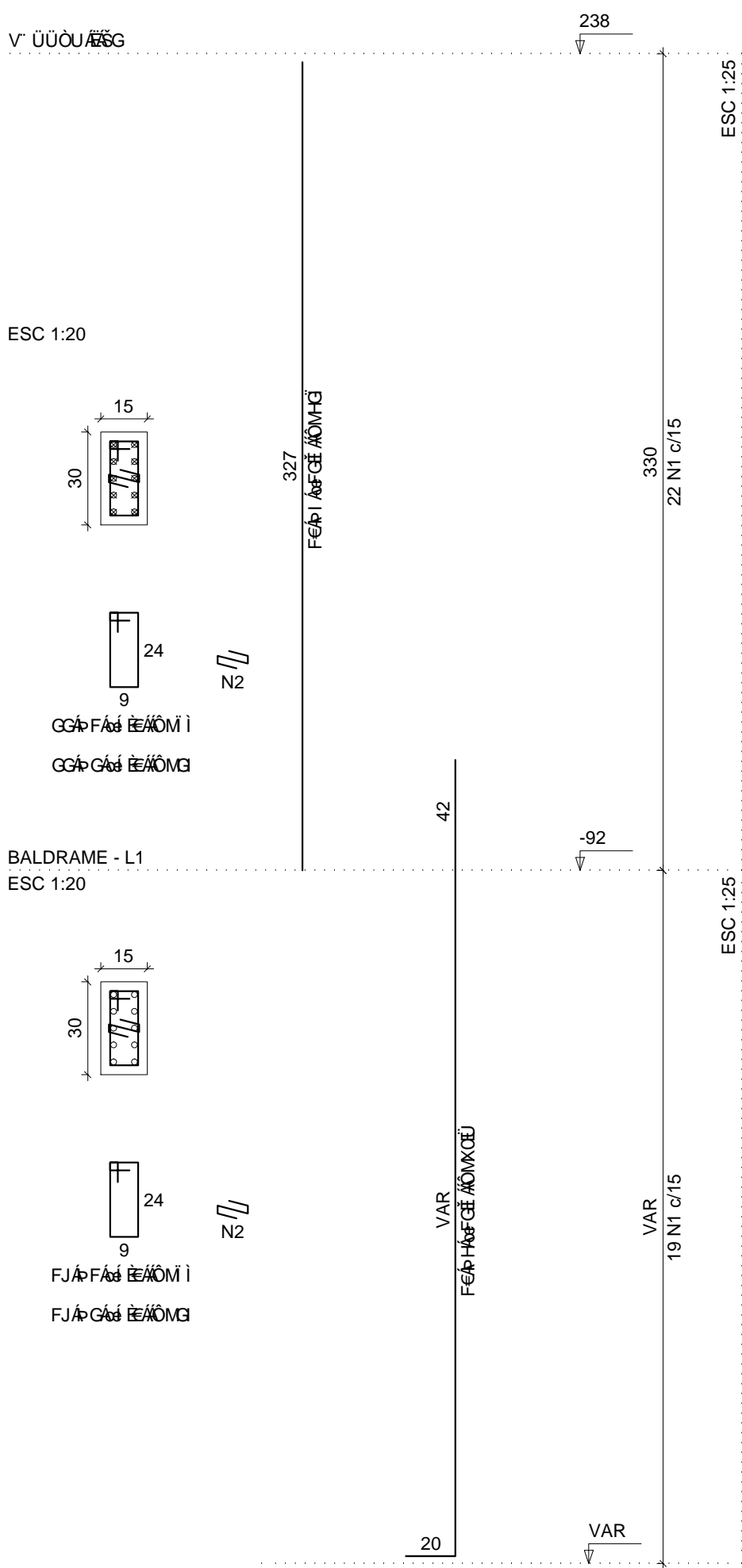
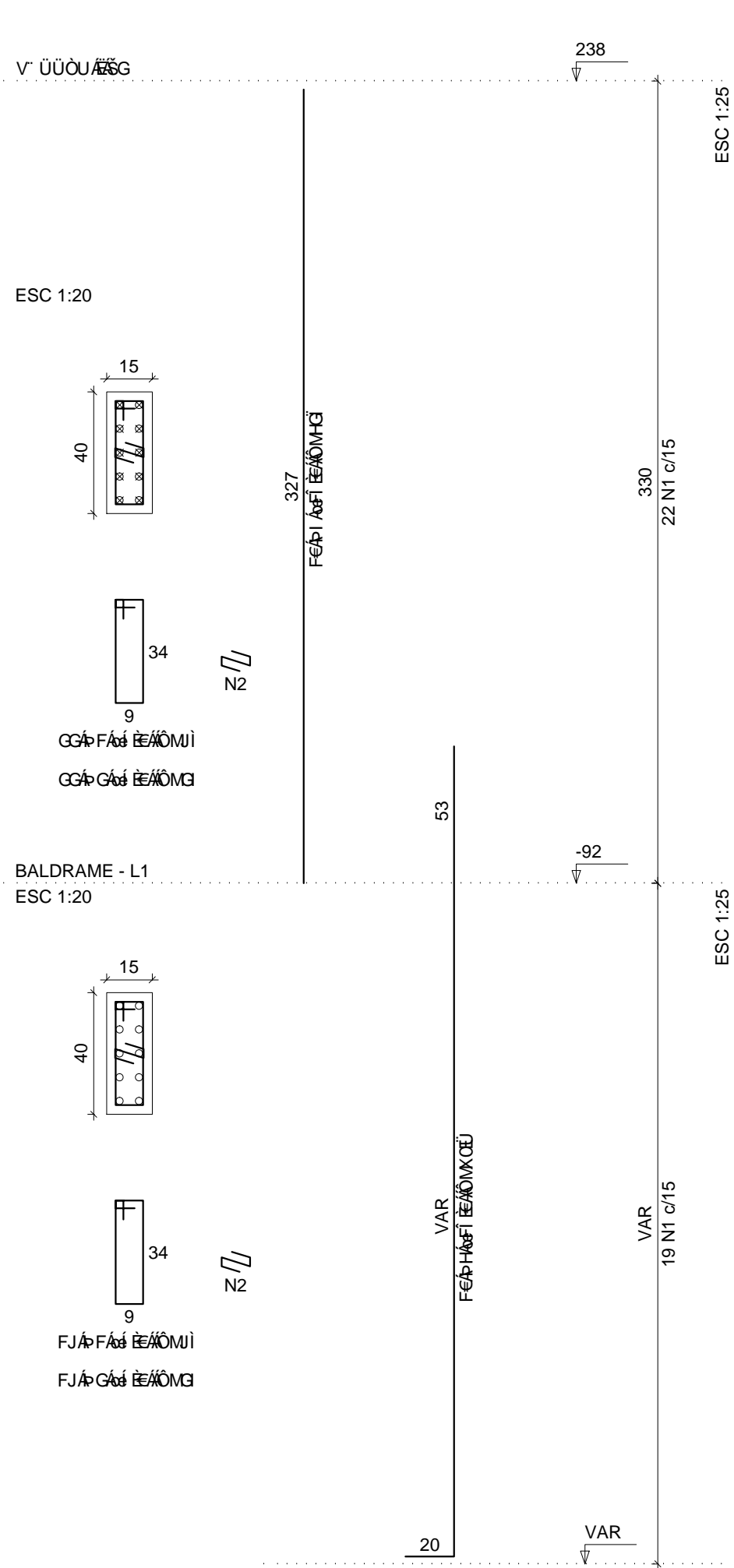


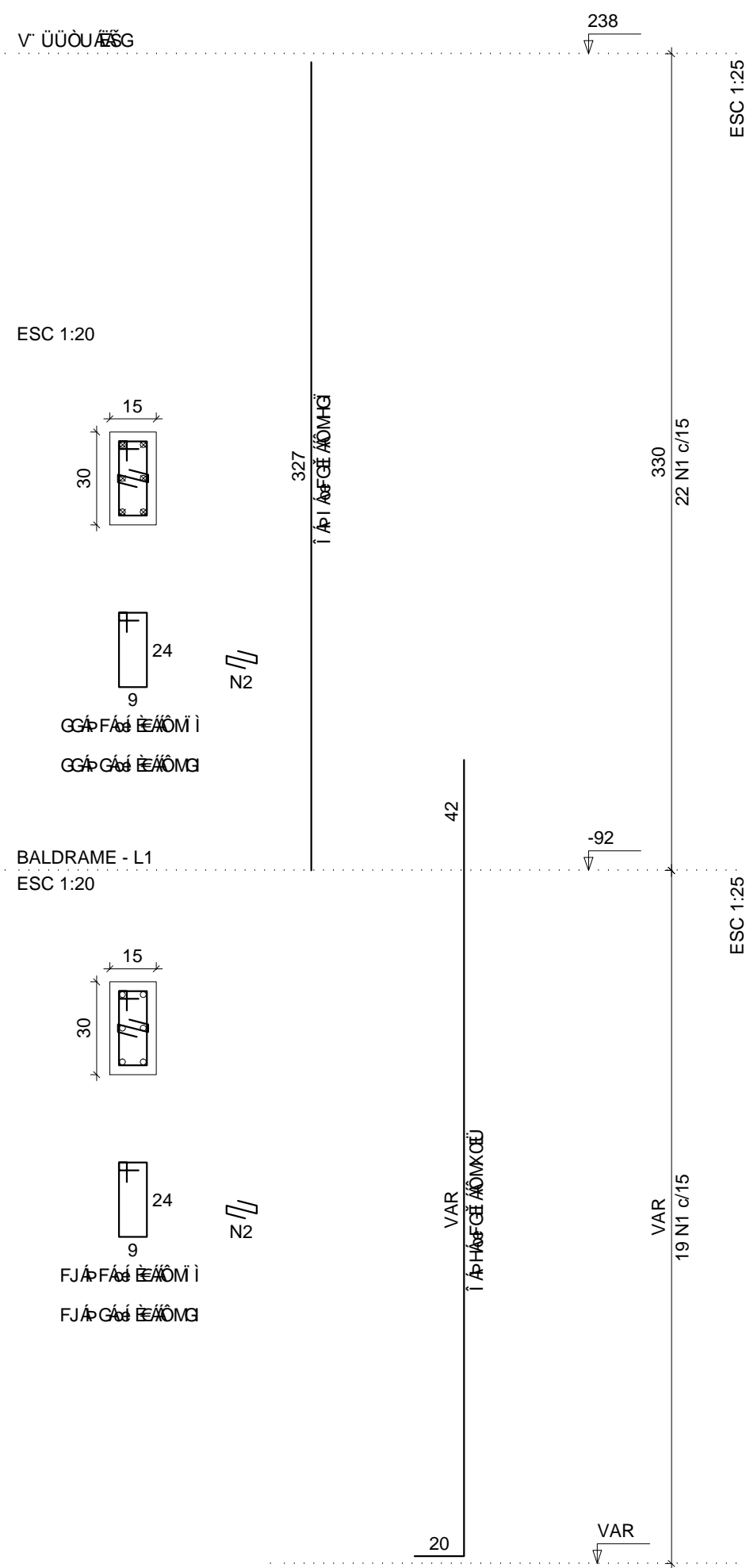
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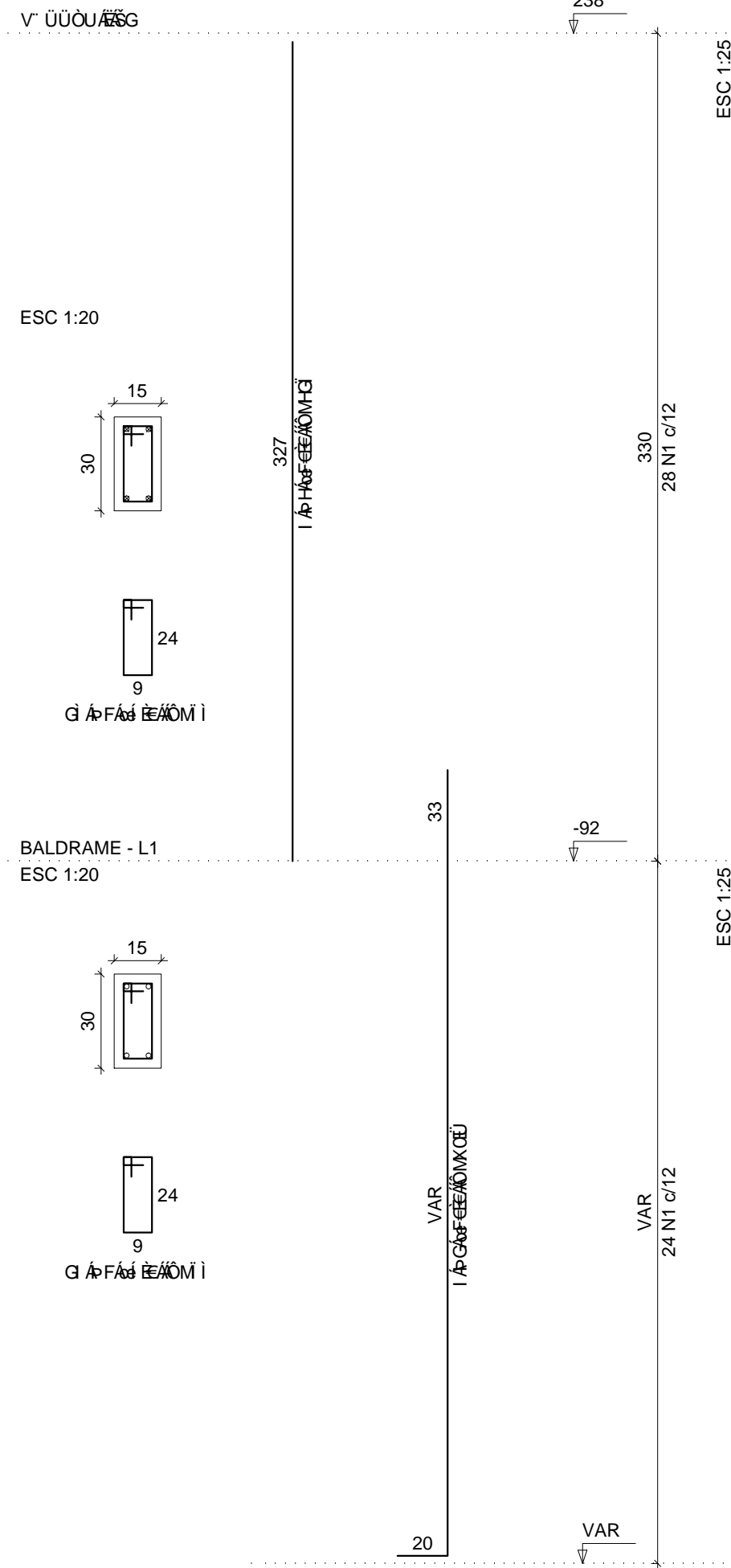
P2



P3



P4



P5

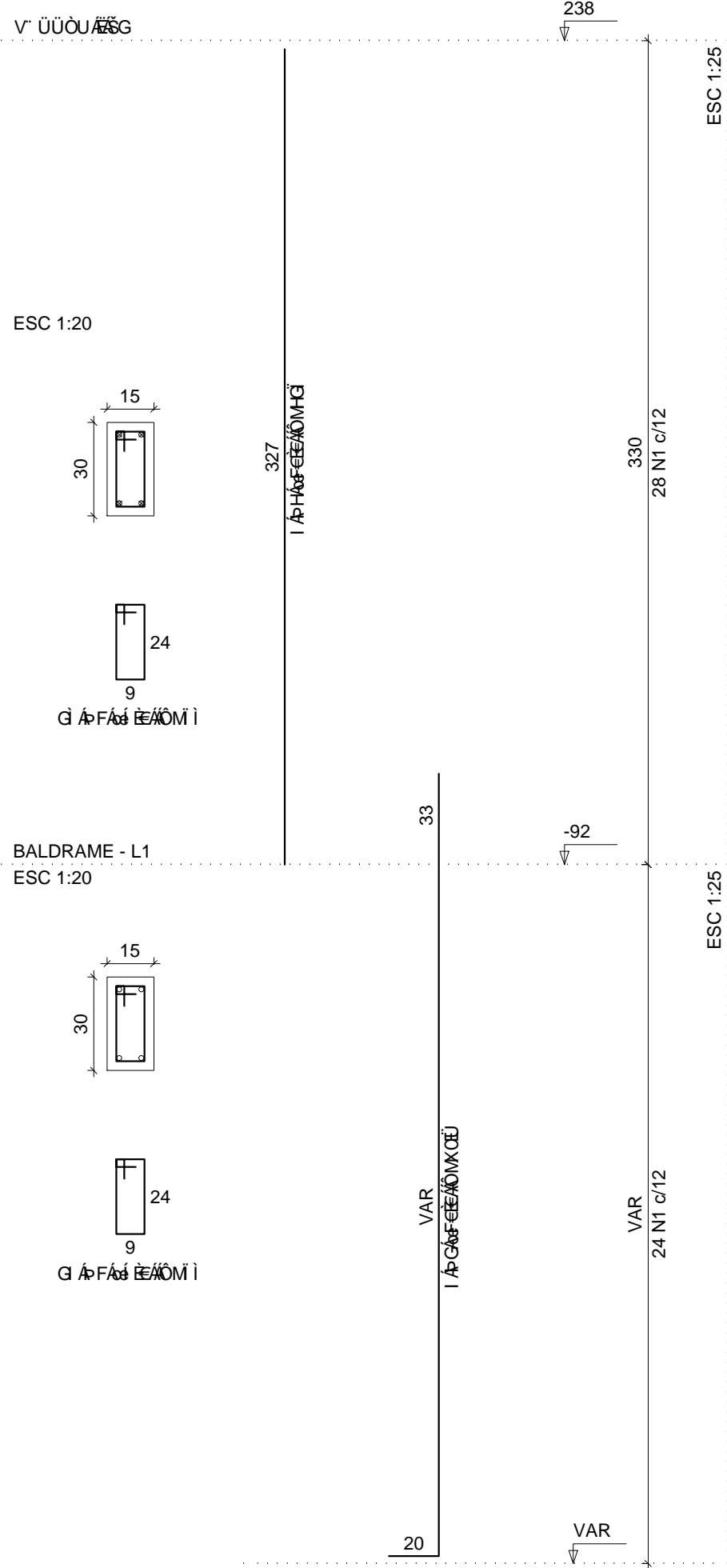
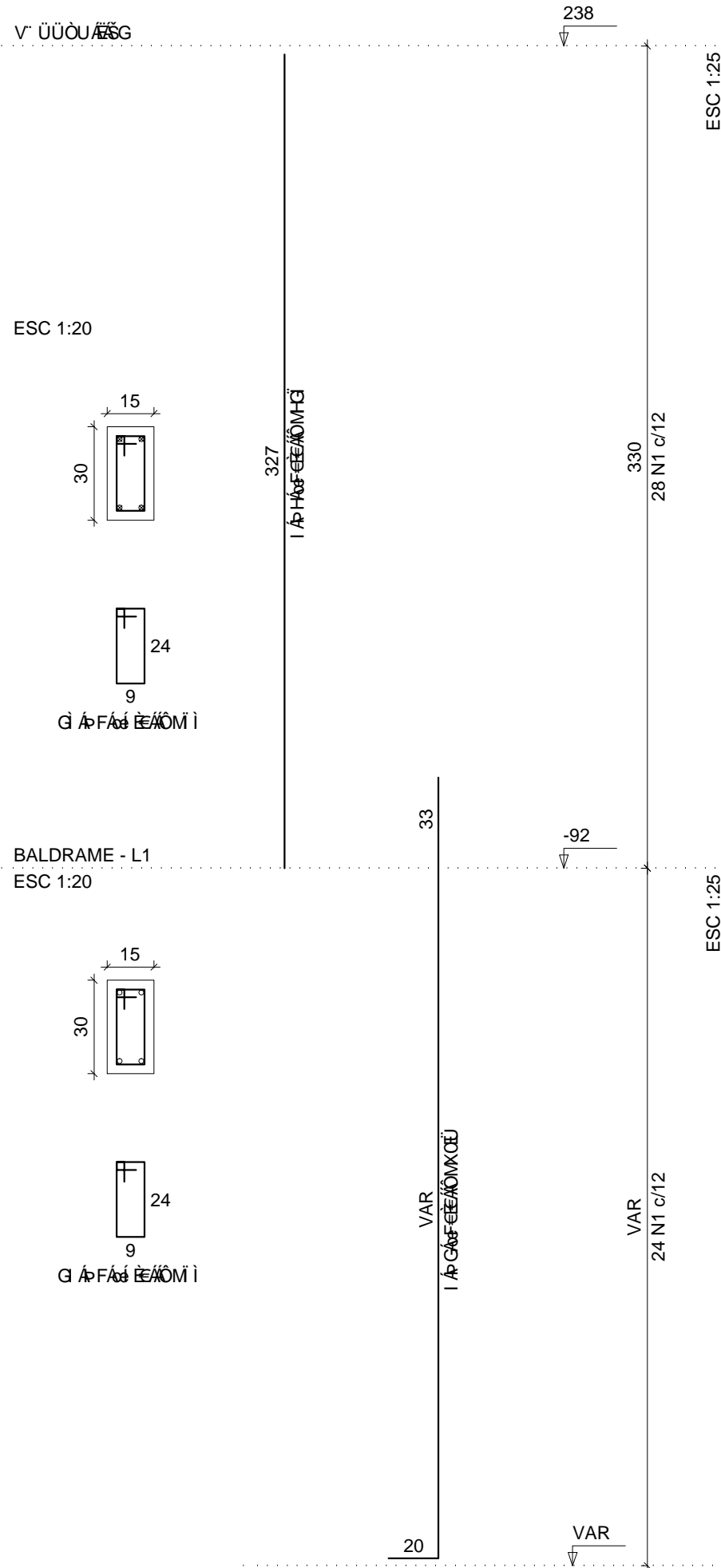


Tabela de Materiais						
ELEMENTO	Q U	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
P1	CA60	1	5.0	41	78	3198
	CA60	2	5.0	41	24	984
	CA50	3	12.5	10	VAR	VAR
	CA50	4	12.5	10	327	3270
P2	CA60	1	5.0	41	98	4018
	CA60	2	5.0	41	24	984
	CA50	3	16.0	10	VAR	VAR
	CA50	4	16.0	10	327	3270
P3	CA60	1	5.0	41	78	3198
	CA60	2	5.0	41	24	984
	CA50	3	12.5	6	VAR	VAR
	CA50	4	12.5	6	327	1962
P4	CA60	1	5.0	52	78	4056
	CA50	2	10.0	4	VAR	VAR
	CA50	3	10.0	4	327	1308
	CA60	1	5.0	52	78	4056
P5	CA50	2	10.0	4	VAR	VAR
	CA50	3	10.0	4	327	1308
	CA60	1	5.0	52	78	4056
	CA50	2	10.0	4	VAR	VAR
P6	CA60	1	5.0	52	78	4056
	CA50	2	10.0	4	VAR	VAR
	CA50	3	10.0	4	327	1308
	CA60	1	5.0	52	78	4056
P7	CA60	1	5.0	52	78	4056
	CA50	2	10.0	4	VAR	VAR
	CA50	3	10.0	4	327	1308
	CA60	1	5.0	52	78	4056
P8	CA60	1	5.0	52	78	4056
	CA50	2	10.0	4	VAR	VAR
	CA50	3	10.0	4	327	1308
	CA60	1	5.0	52	78	4056
P9	CA60	1	5.0	52	78	4056
	CA60	2	5.0	52	24	1248
	CA50	3	10.0	6	VAR	VAR
	CA50	4	10.0	6	327	1962
P10	CA60	1	5.0	41	78	3198
	CA50	2	12.5	8	VAR	VAR
	CA50	3	12.5	8	327	2616

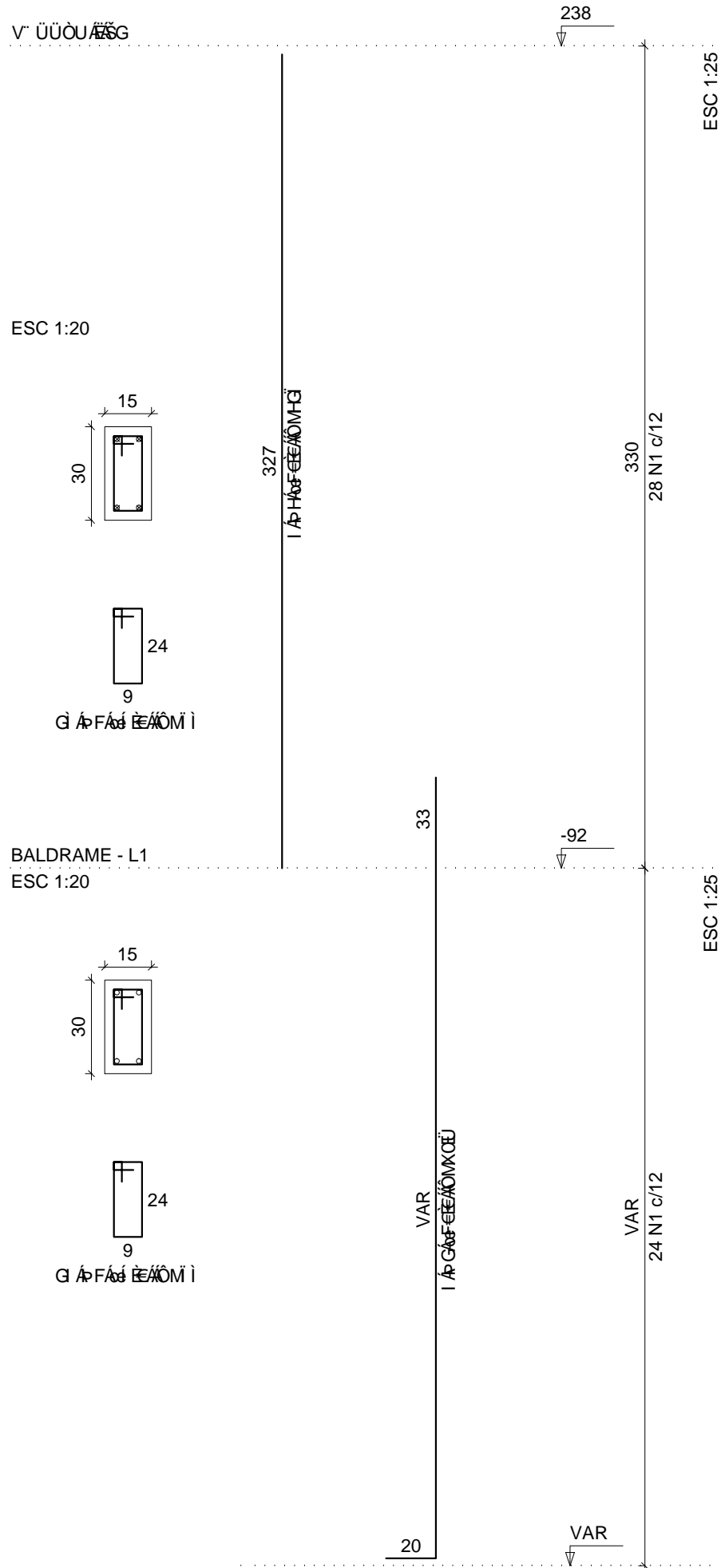
Resumo de Materiais			
Q U	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA50	10.0	171.1	116
CA50	12.5	159.9	169.4
CA50	16.0	67.6	117.4
CA60	5.0	421.5	71.5
PESO TOTAL			
CA50	402.8		
CA60	71.5		

Observações: 1. Verificar a necessidade de reforço adicional em função das condições de uso e do tipo de carga aplicada. 2. O dimensionamento foi realizado considerando o uso de concreto armado com classe de resistência característica de 25 MPa e aço com classe de resistência característica de 500 MPa.

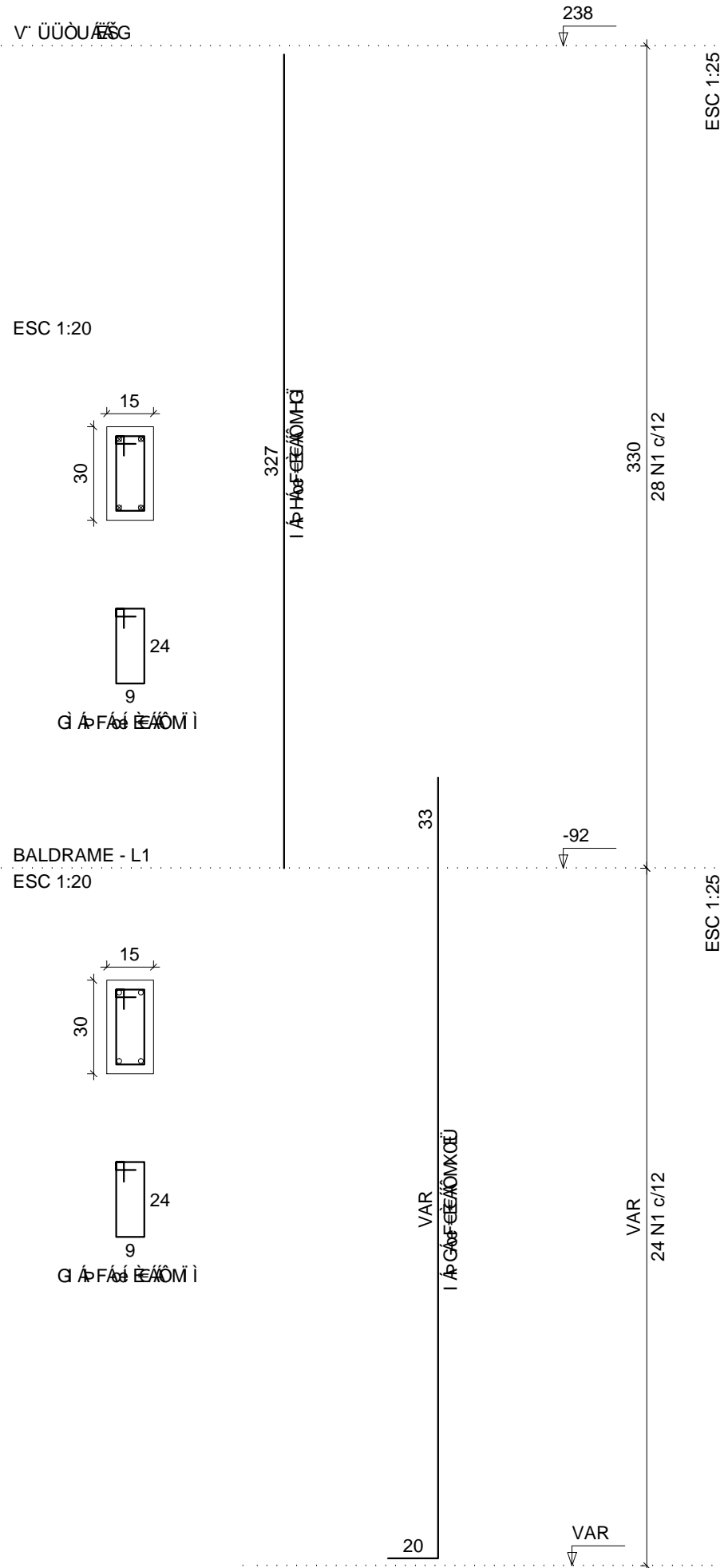
P6



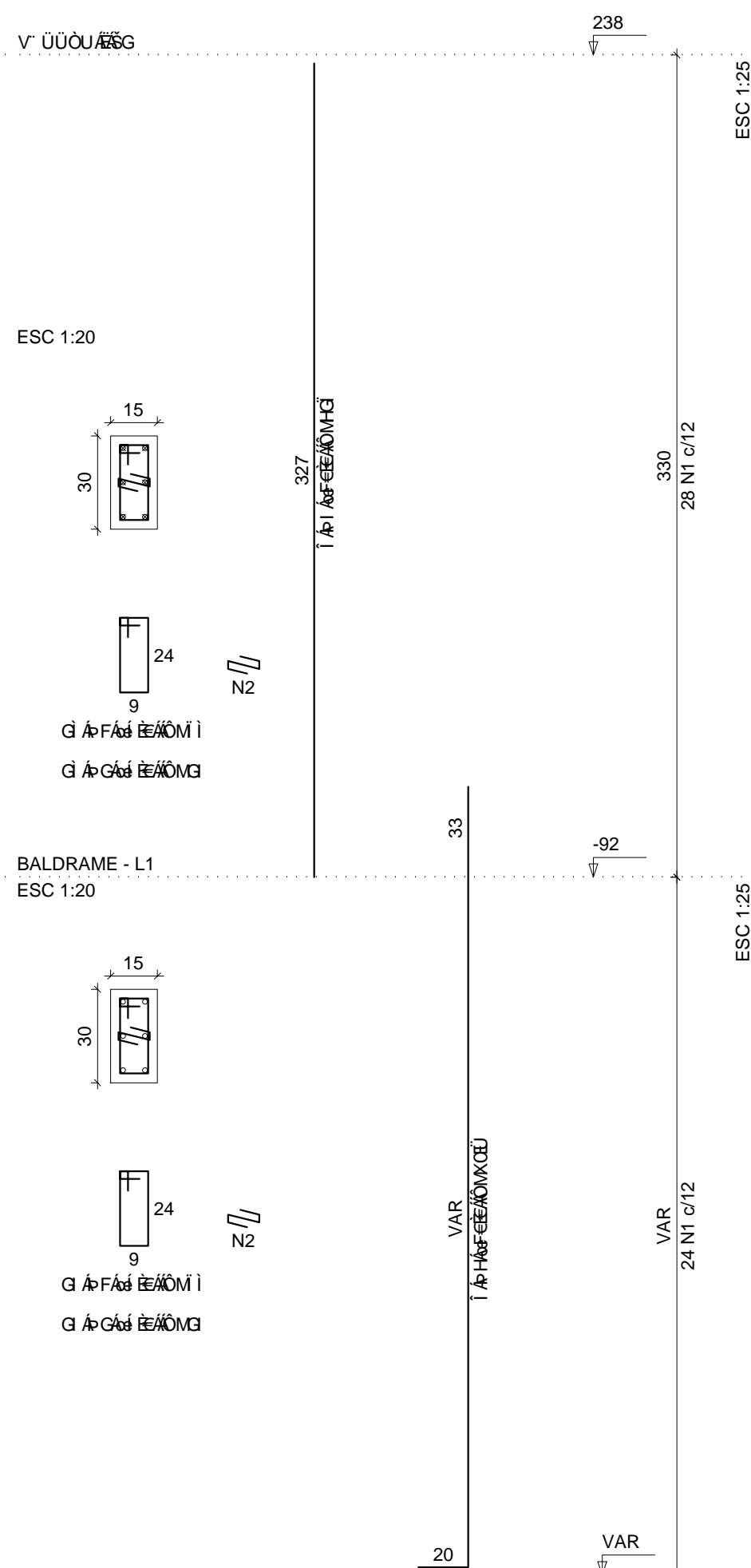
P7



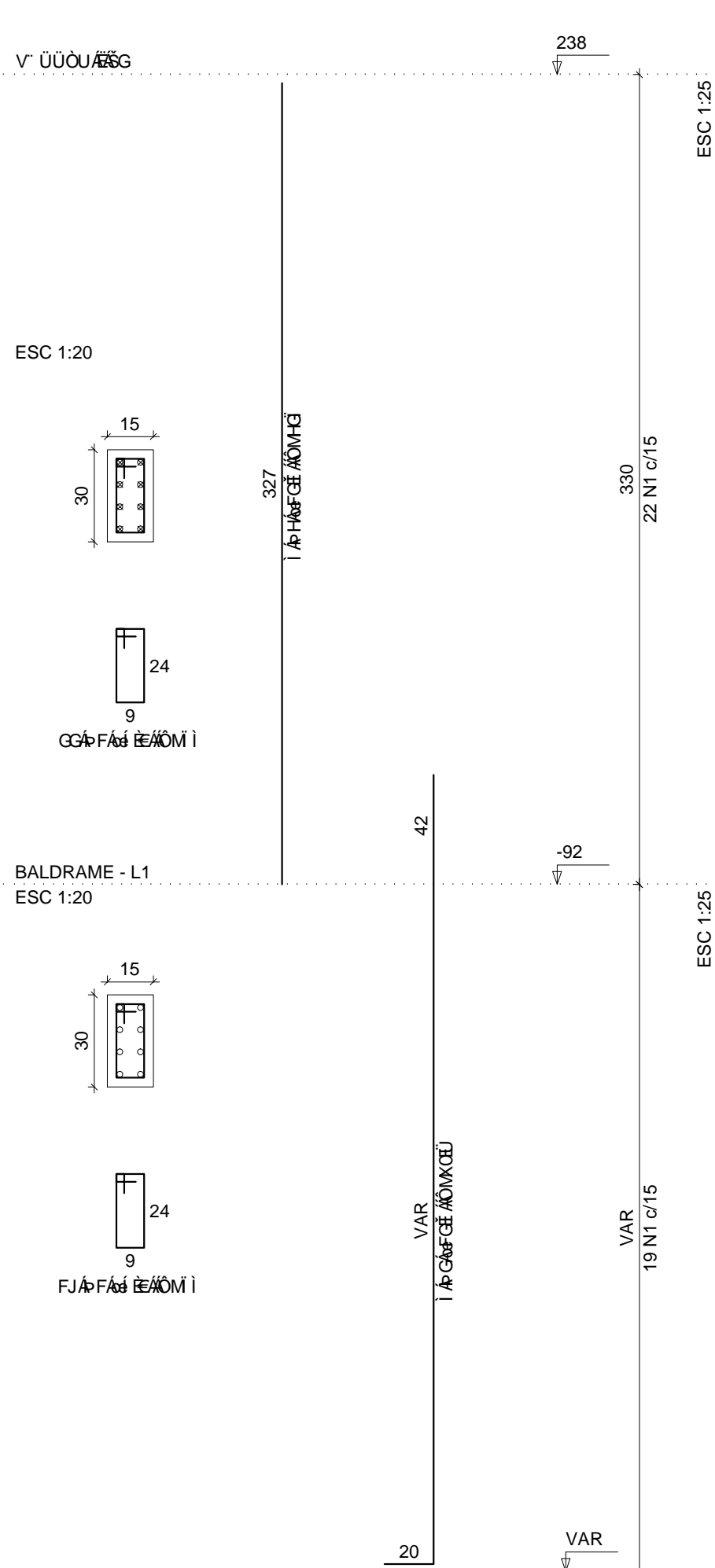
P8

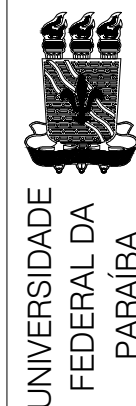


P9



P10





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des.:
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