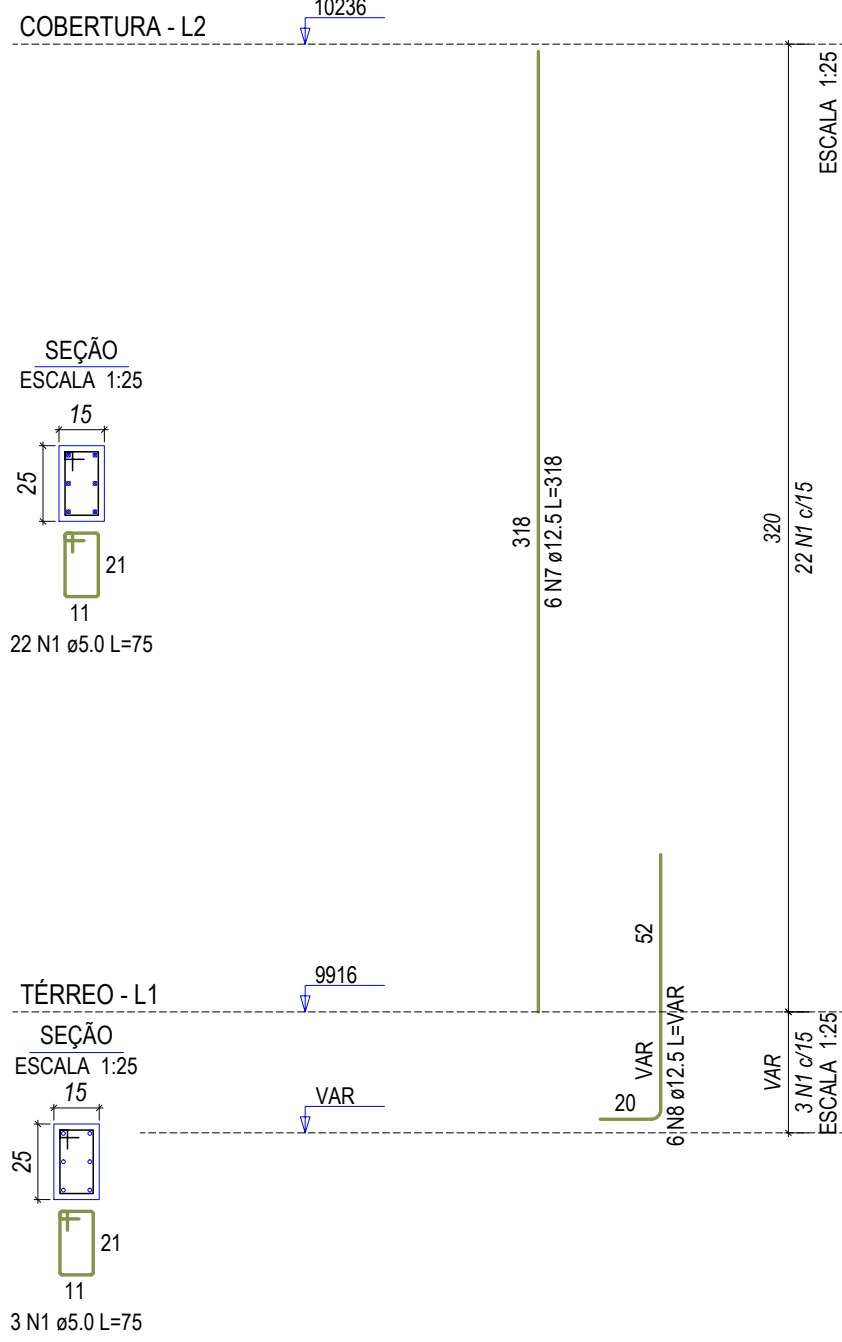
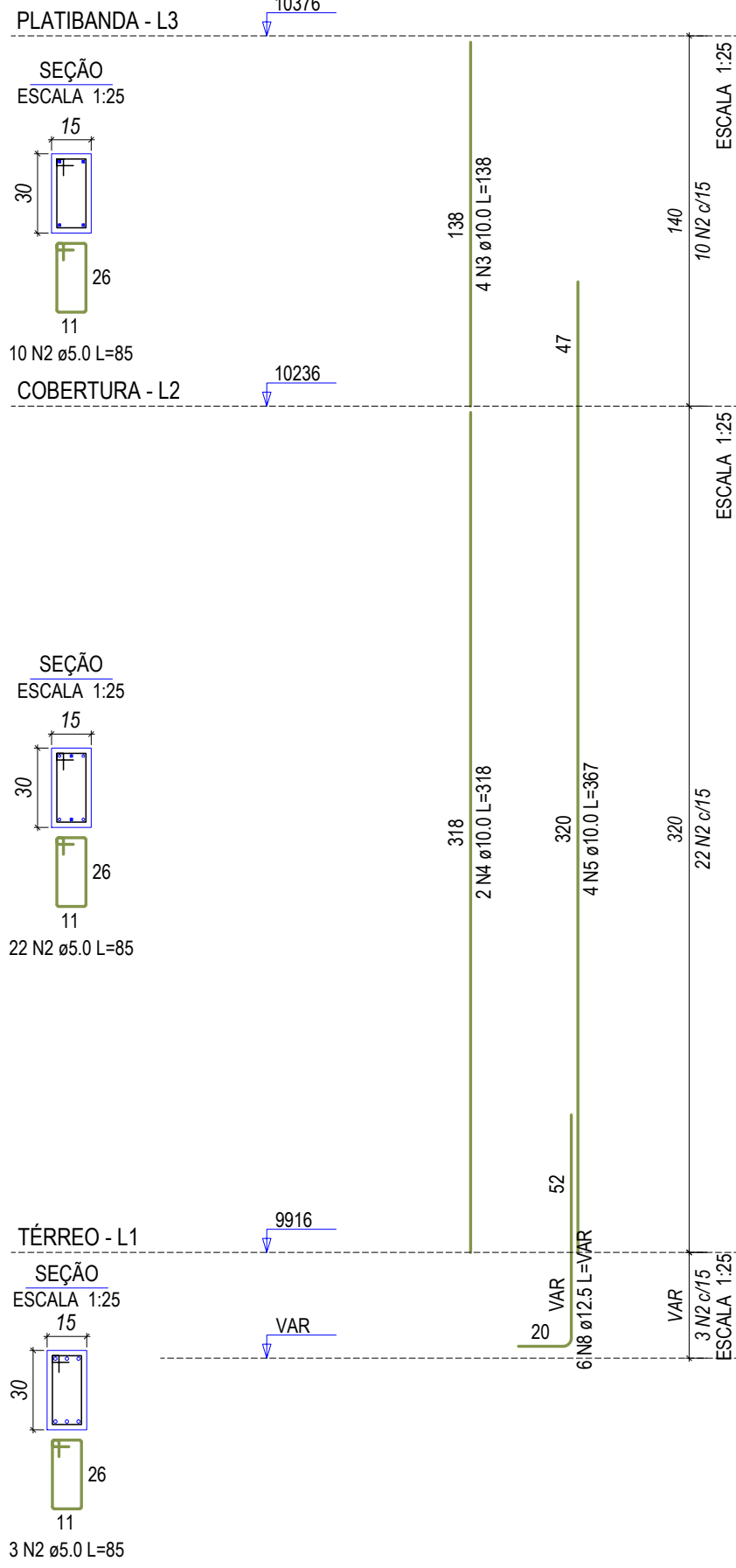


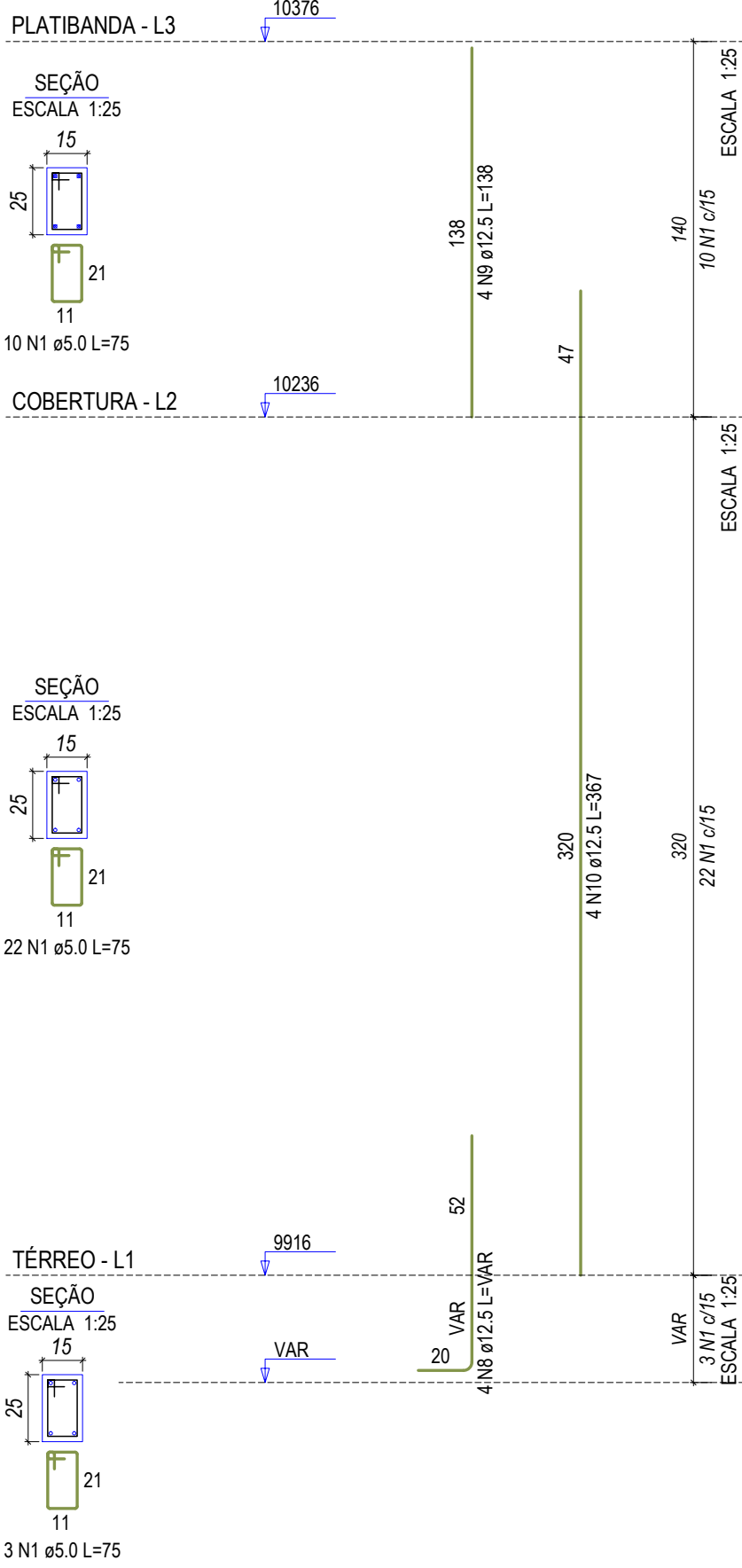
P11



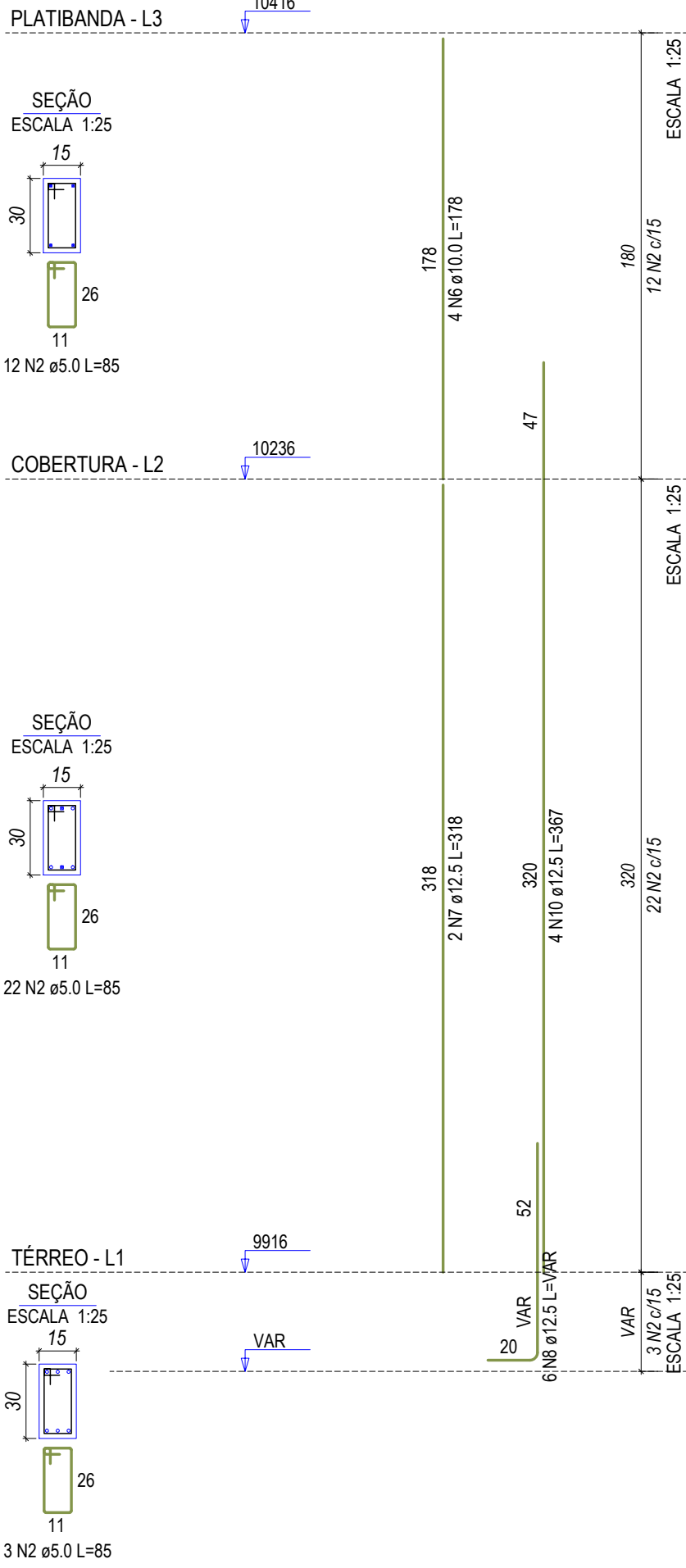
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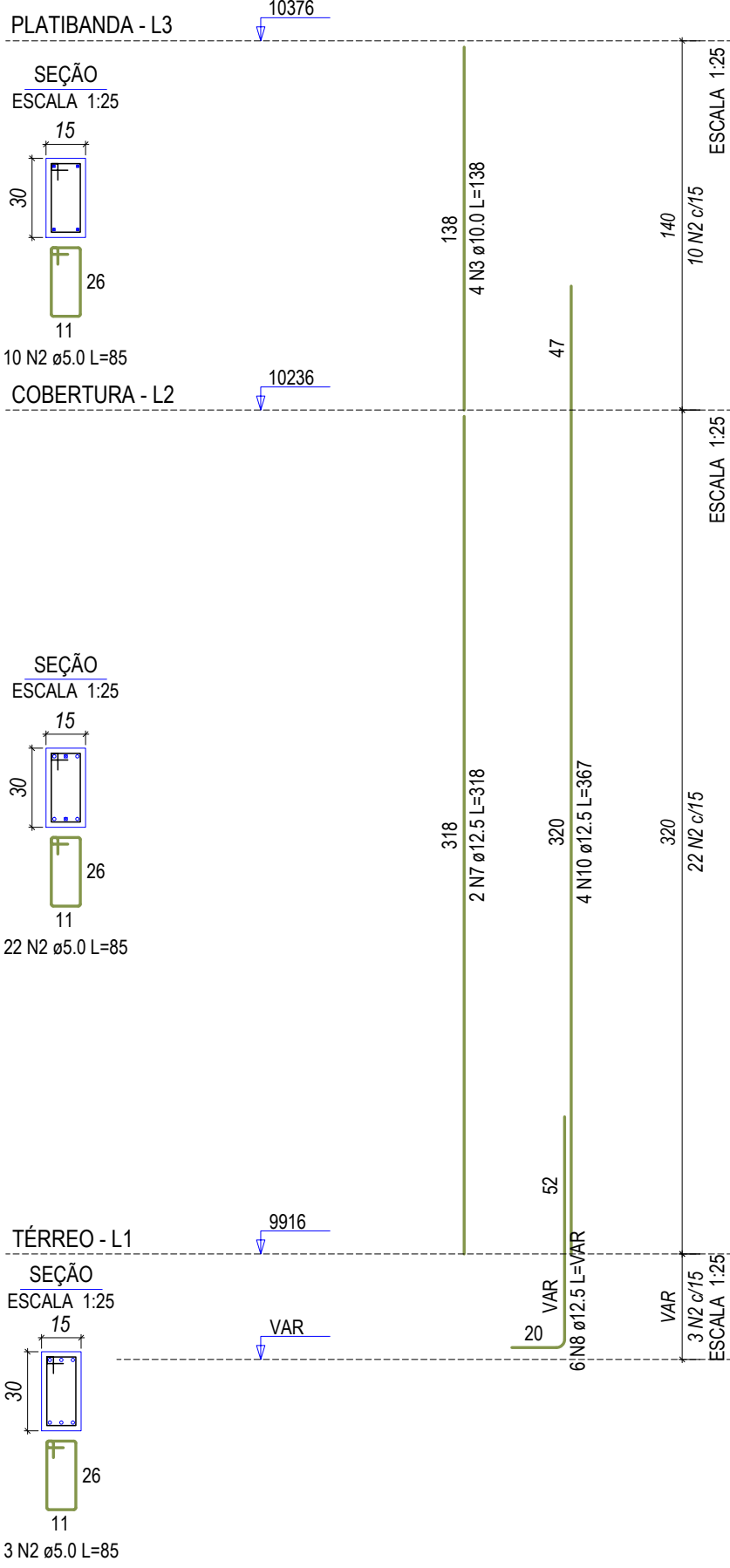
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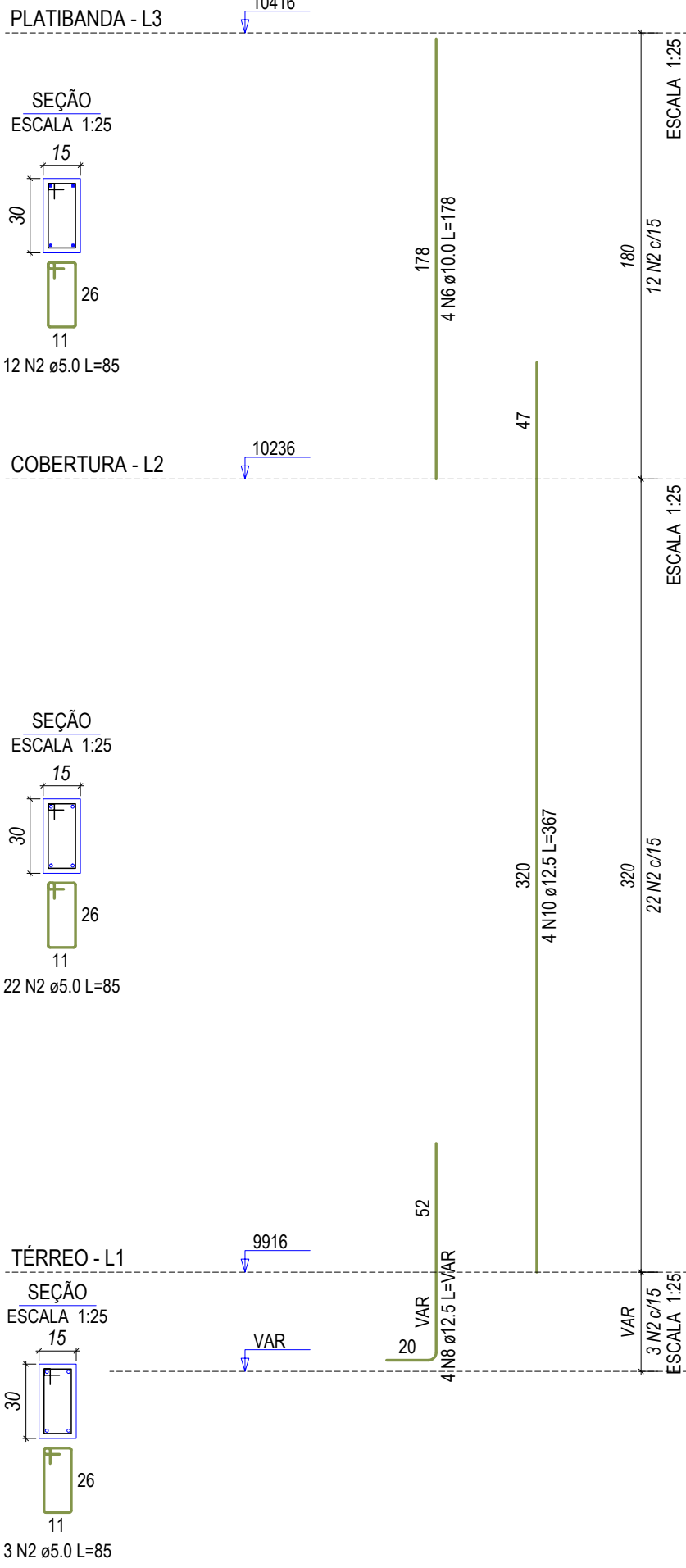
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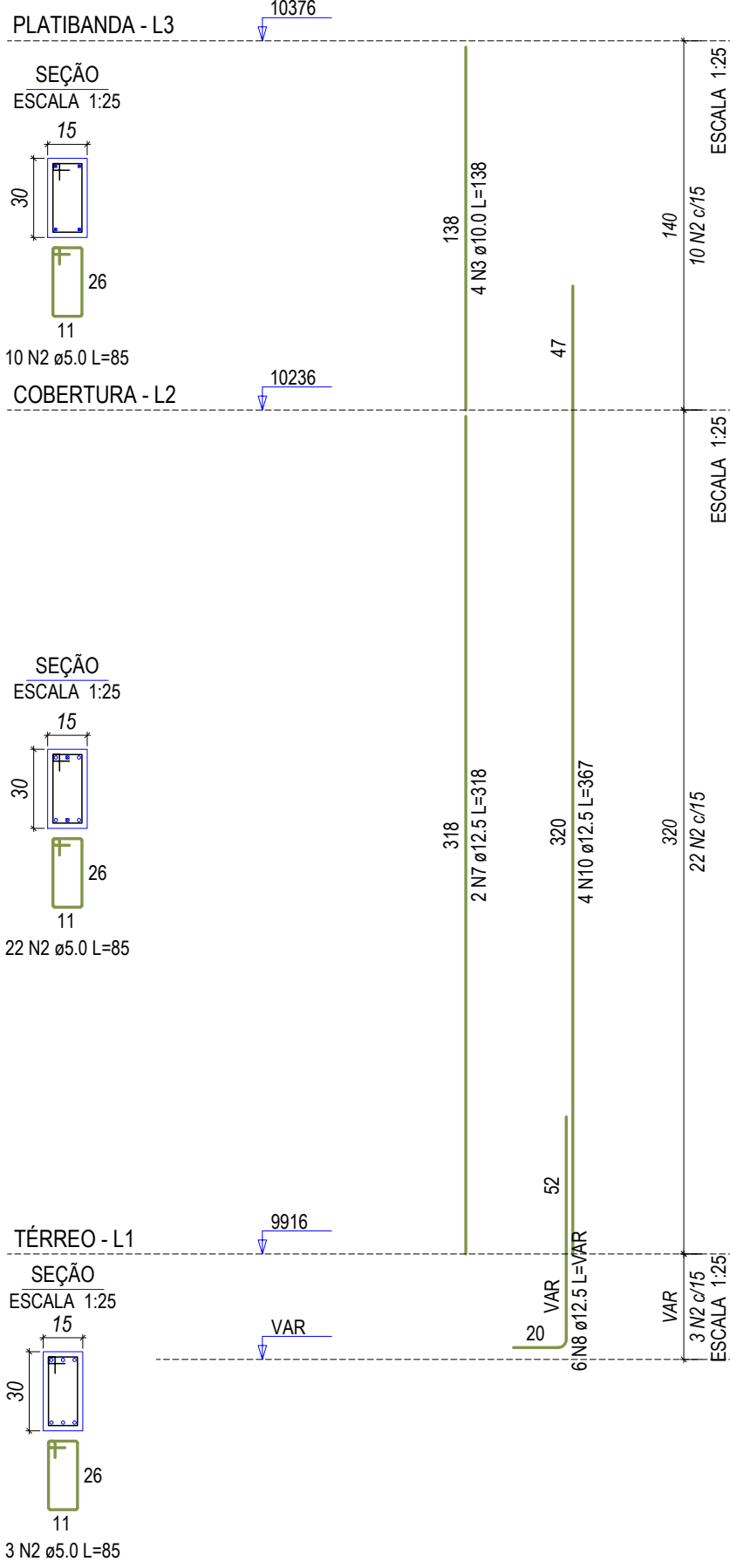
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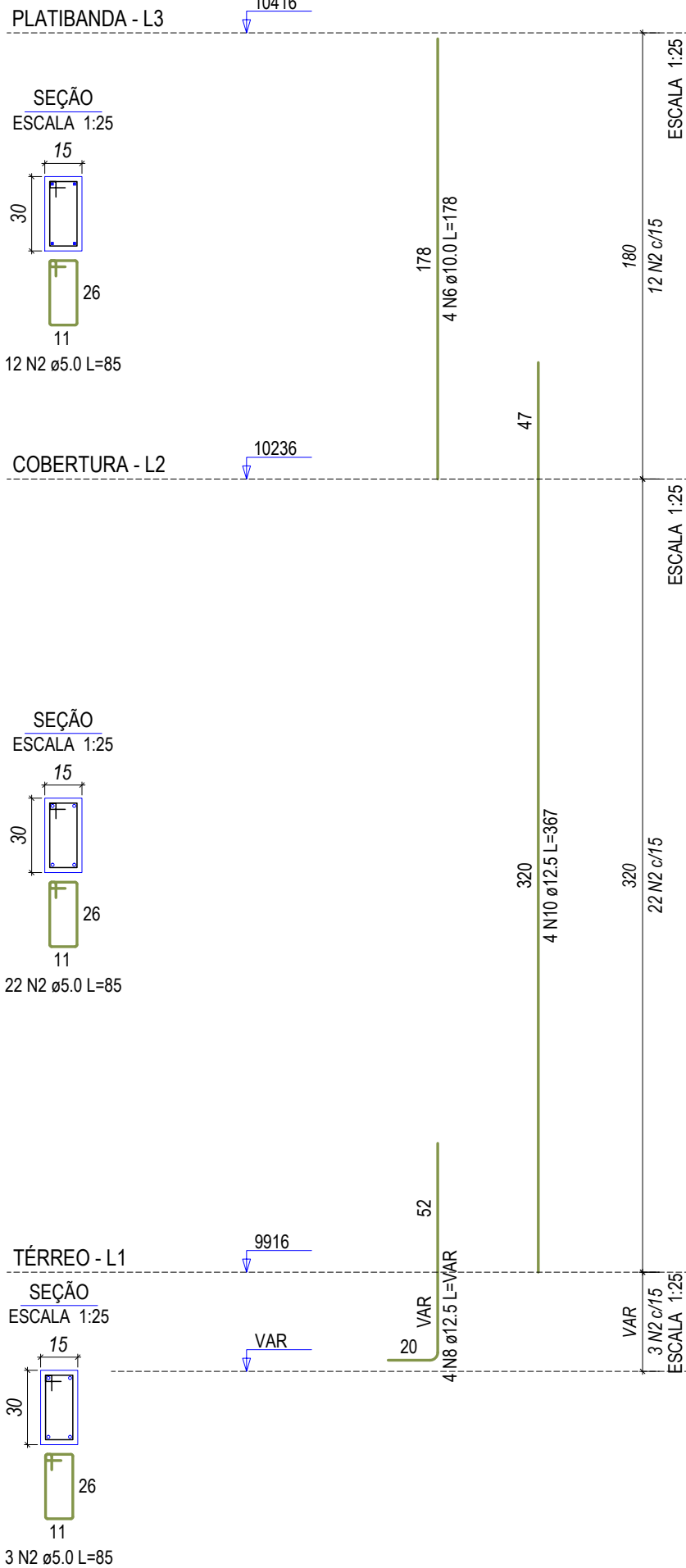
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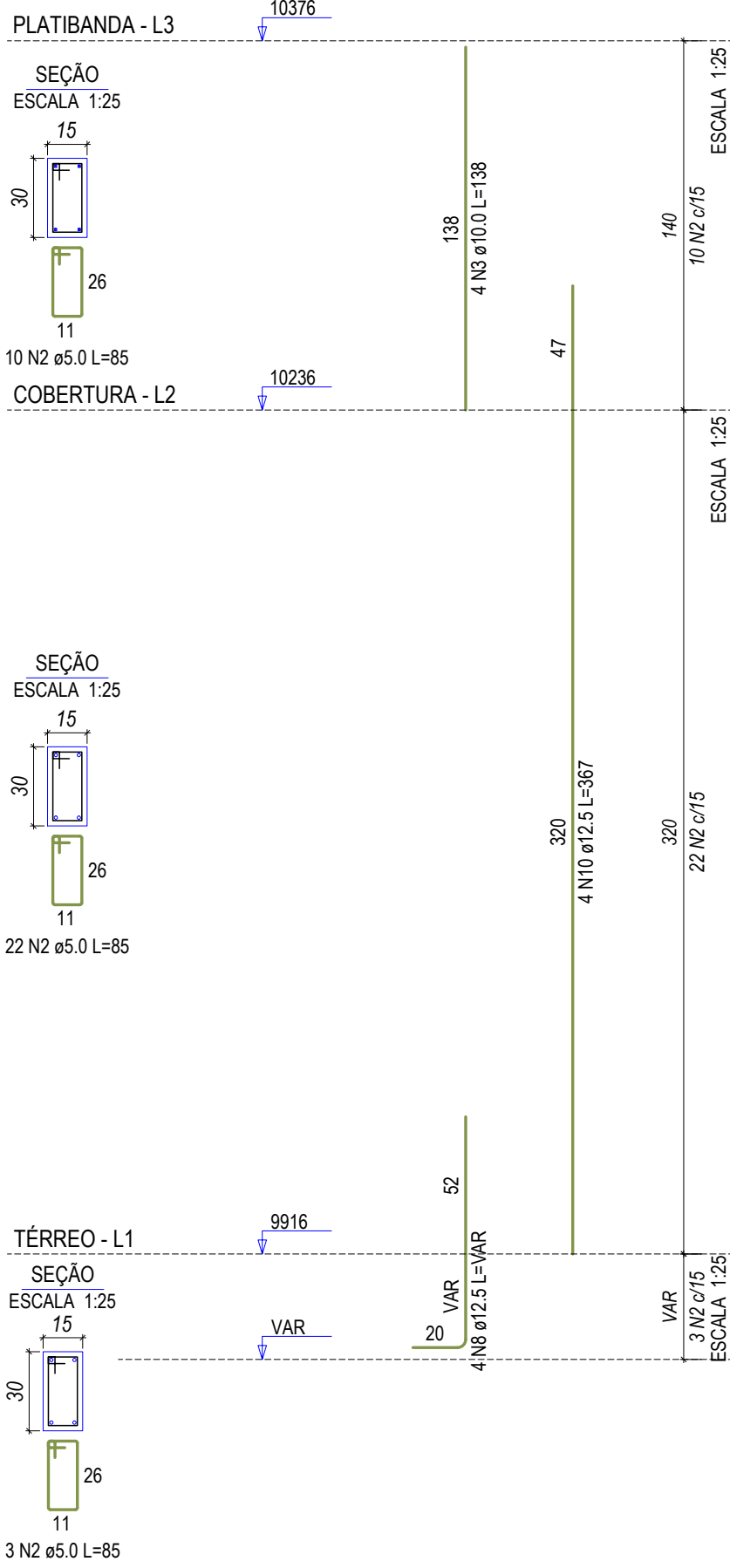
P14



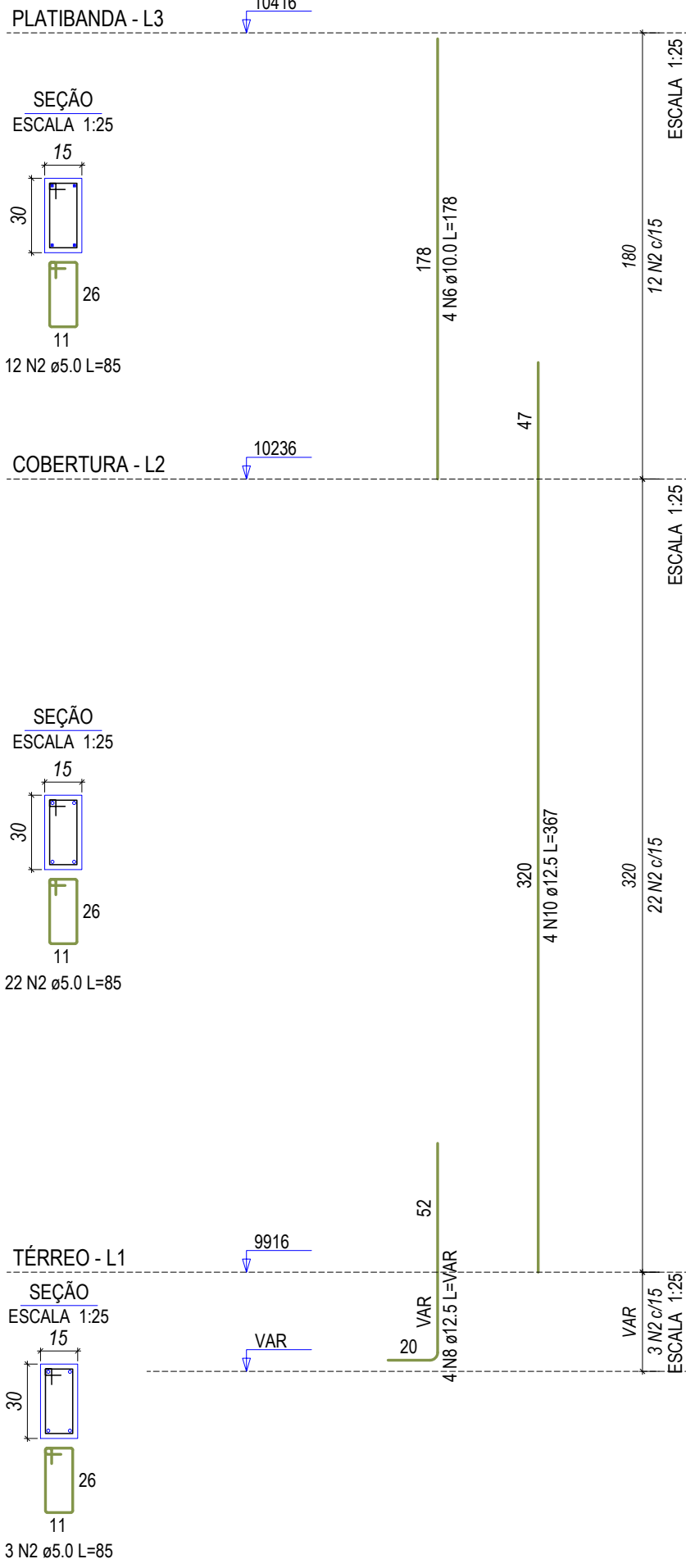
P19



P15



P20



RELAÇÃO DO AÇO					
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	60	75	4500
	2	5.0	288	85	24480
	3	10.0	16	138	2208
	4	10.0	2	318	636
	5	10.0	4	367	1468
	6	10.0	16	178	2848
	7	12.5	12	318	3816
	8	12.5	50	VAR	VAR
	9	12.5	4	138	552
	10	12.5	32	367	11744

RESUMO DO AÇO				
AÇO	DIAM (mm)	C.TOTAL (m)	QUANT + 0% (Barras)	PESO + 0% (kg)
CA50	10.0	71.6	6	44.1
CA60	12.5	213.6	18	205.8
PESO TOTAL (kg)		Volume de concreto (C-25) = 2.02 m³		
CA50	249.9	Área de forma = 44.32 m²		
CA60	44.7			

SECRETARIA DE MUNICÍPIO DE ELABORAÇÃO DE PROJETOS E CAPTAÇÃO DE RECURSOS

SECAPSEP

SUPERINTENDÊNCIA DE ELABORAÇÃO DE PROJETOS

PREFEITO MUNICIPAL: JORGE CLADISTONE POZZOBOM

SECRETÁRIO: JOSÉ ANTÔNIO DE AZEVEDO GOMES

RUA VENÂNCIO AIRES 2277 • 5ª ANDAR • CENTRO

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EMEF ERLINDA MINÓGGIO VINADÉ

RUA JORDÂNIA, Nº 133 - BAIRRO SÃO JOÃO - SANTA MARIA - RS

PROJETO ESTRUTURAL - REFEITÓRIO

DETALHAMENTO DOS PILARES

PROPRIETÁRIA / SECRETARIA GESTORA

PROJETISTA / RESPONSÁVEL TÉCNICO

PREFEITURA MUNICIPAL DE SANTA MARIA

Eng. Civil Regis C. Moraes
CREA/RS 93.278

ÁREA

ESCALA

UNIDADES

ARQUIVO

DESENHO ORIGINAL

AJUSTES

Regis Moraes
Engenheiro Civil

A.R.T.

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JUNHO/2024

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18/22