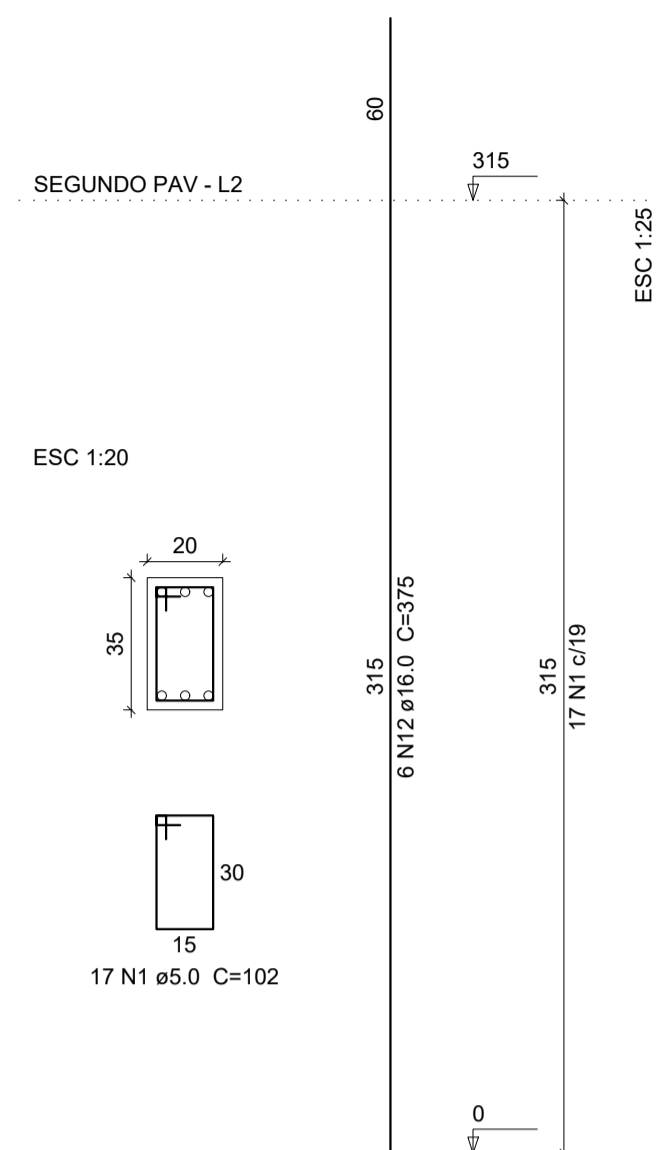
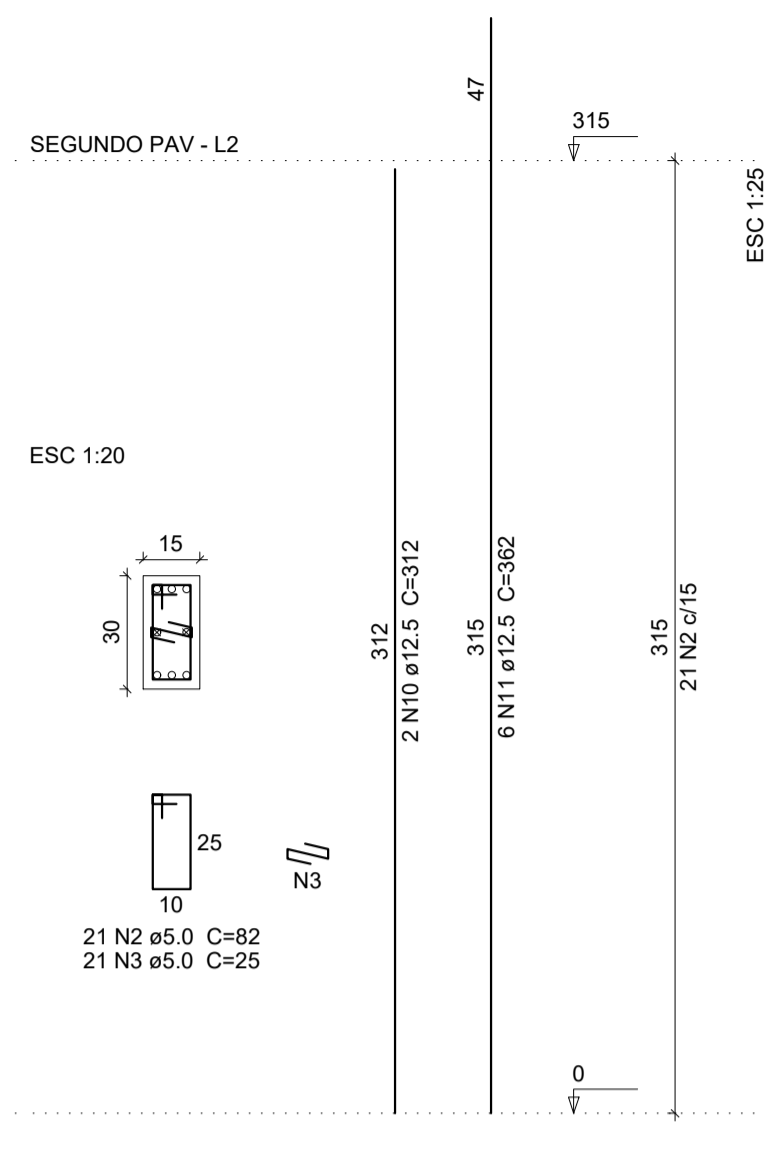


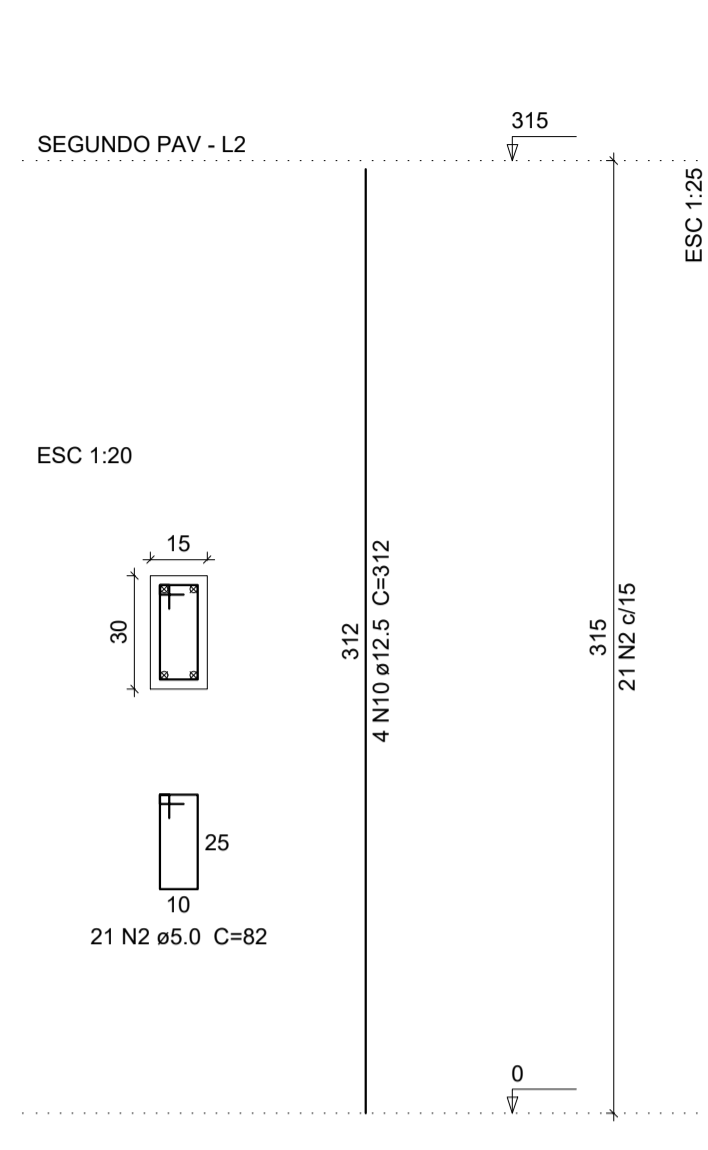
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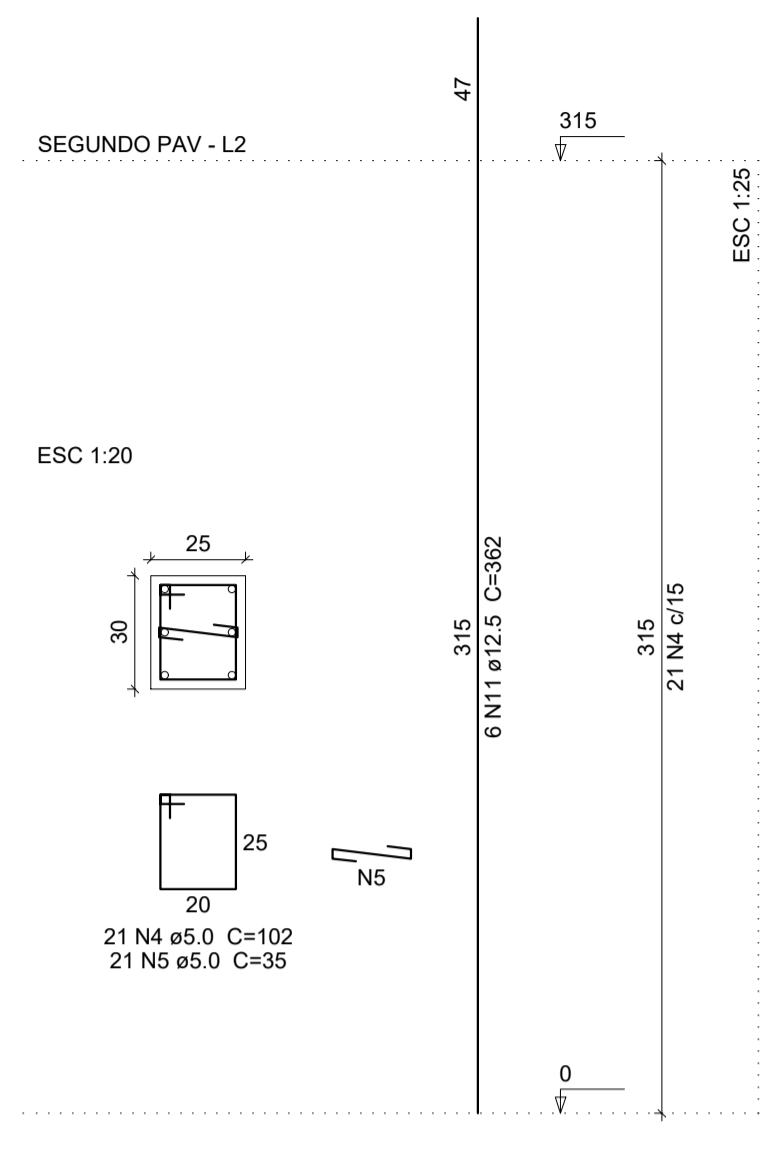
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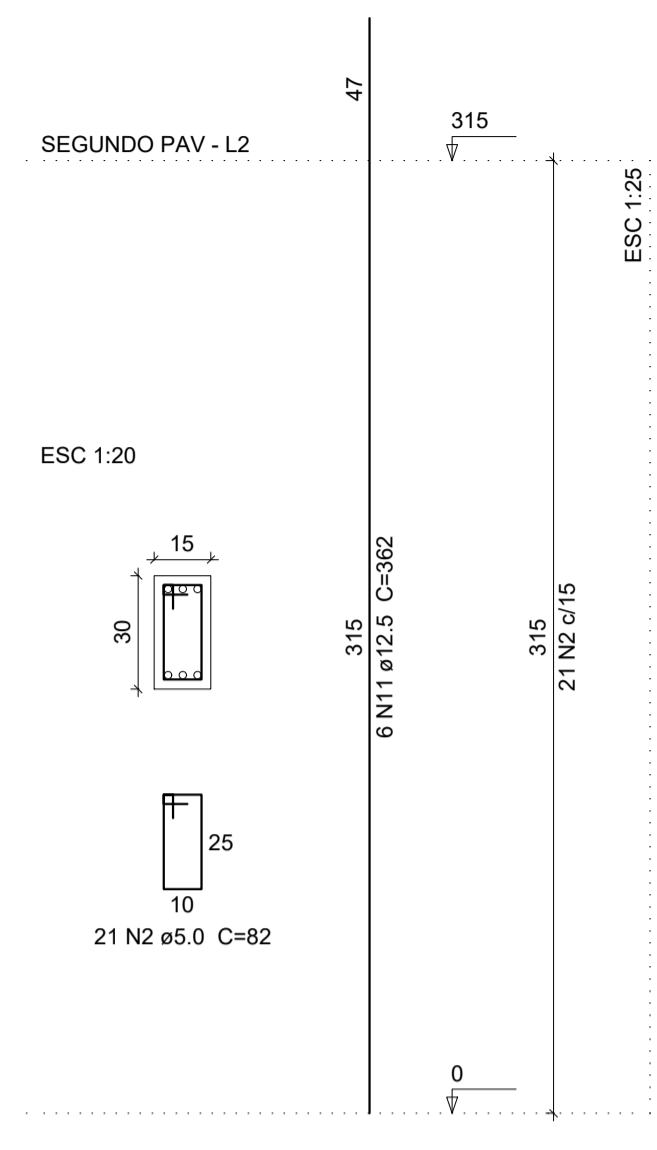
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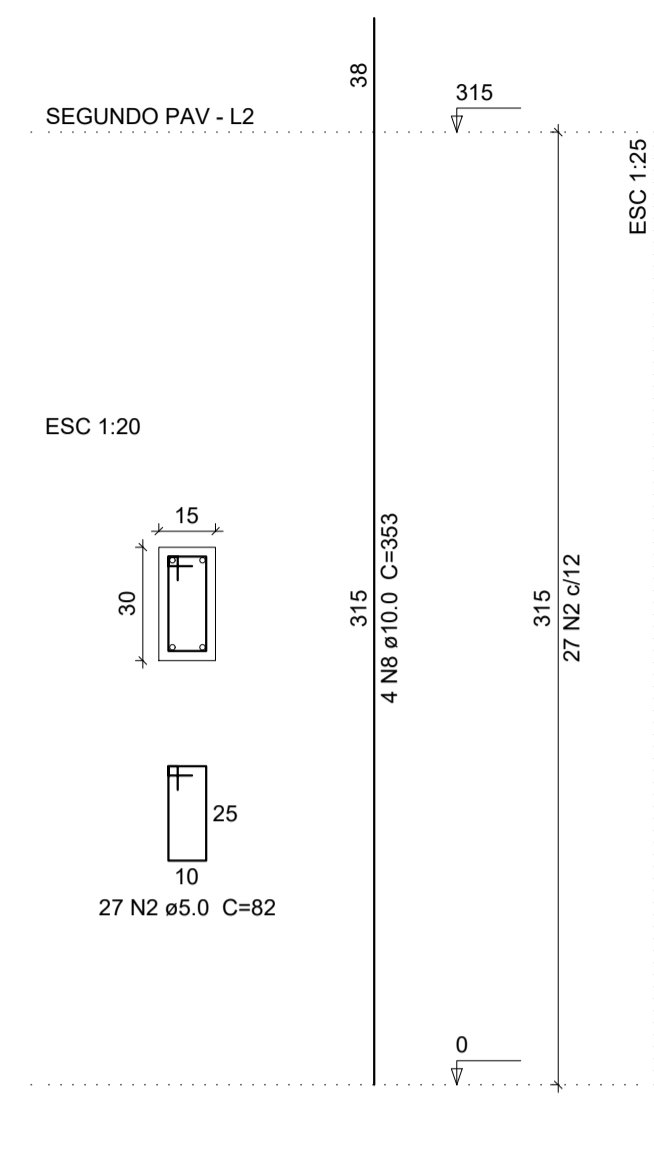
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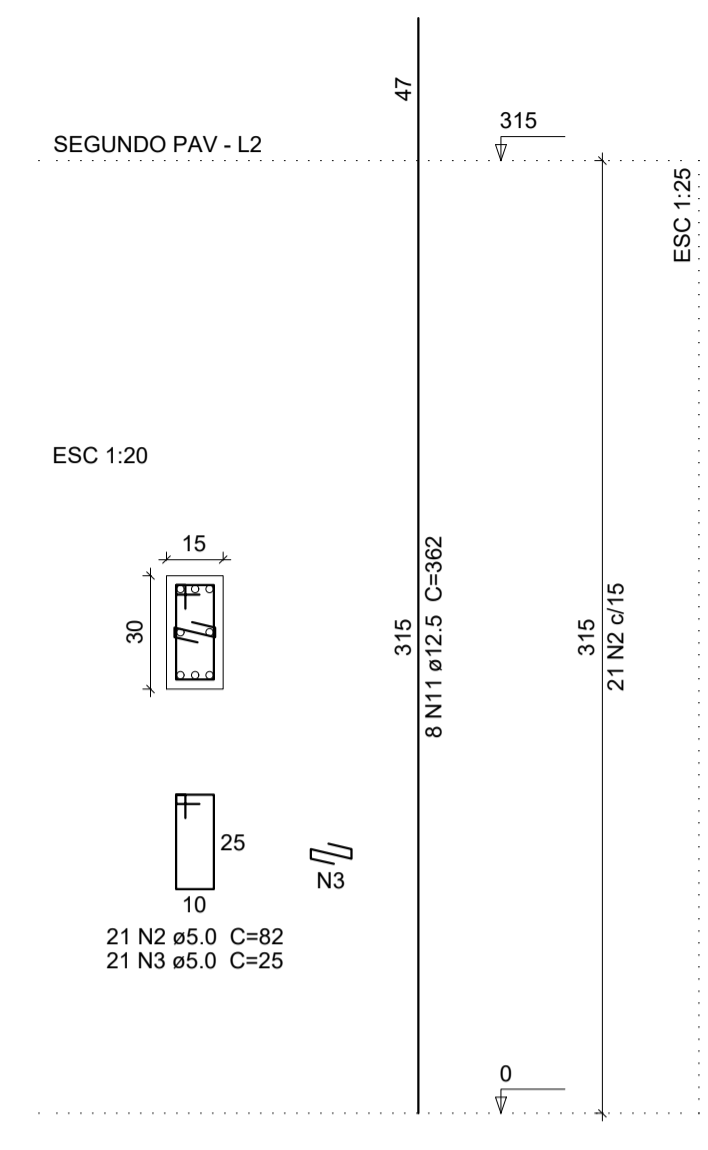
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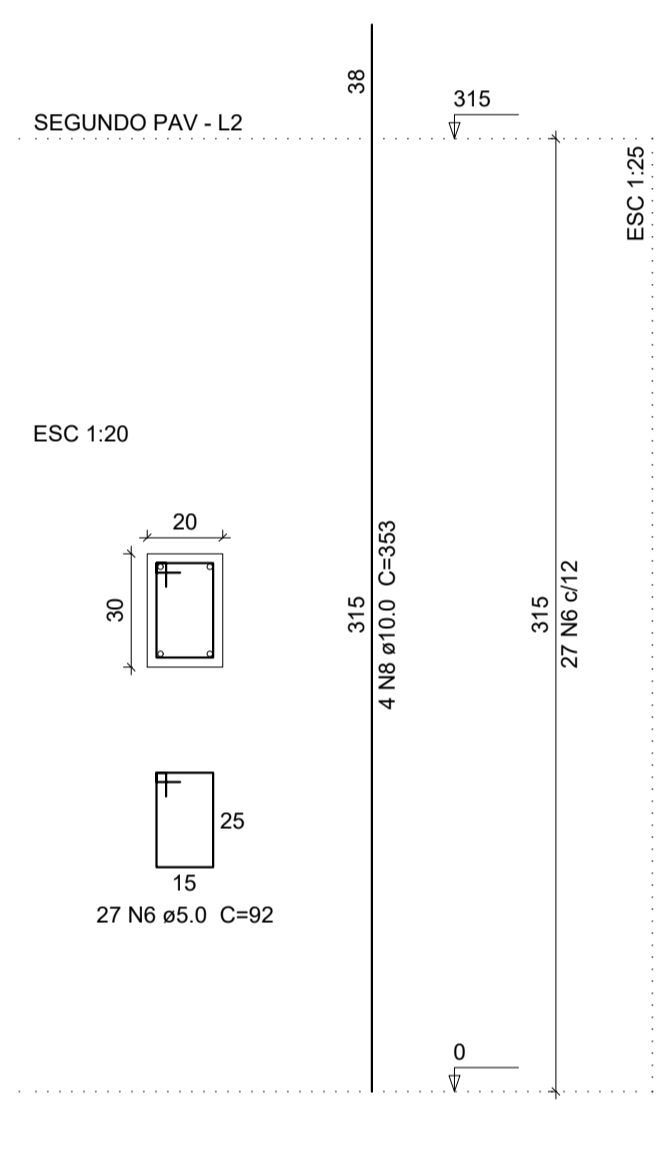
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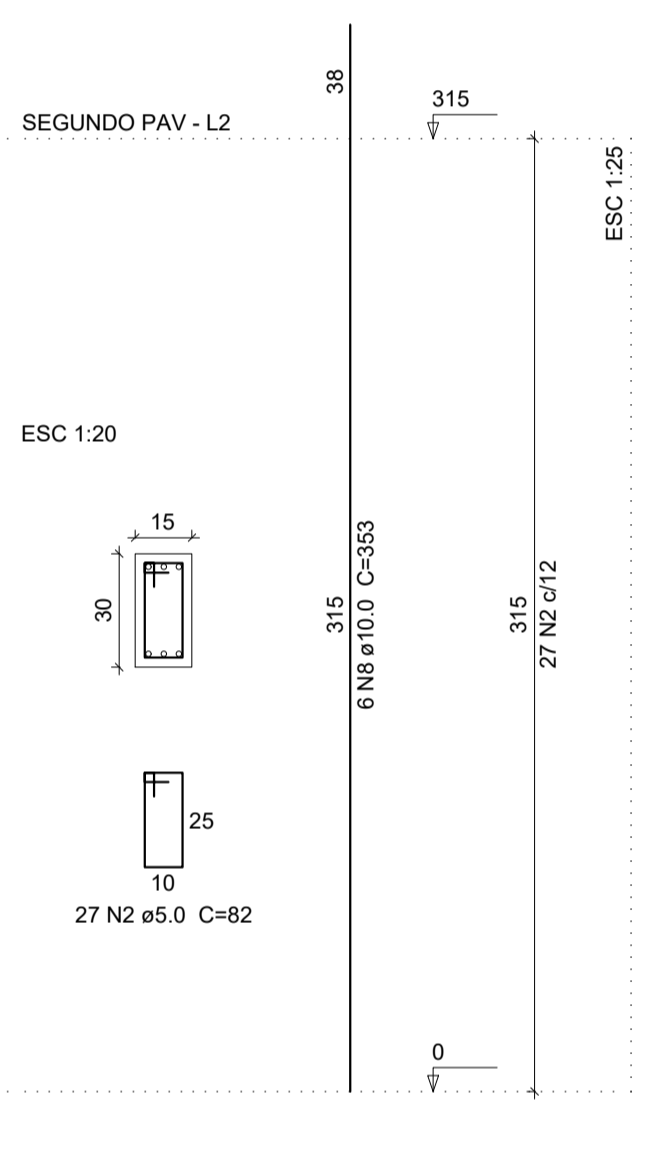
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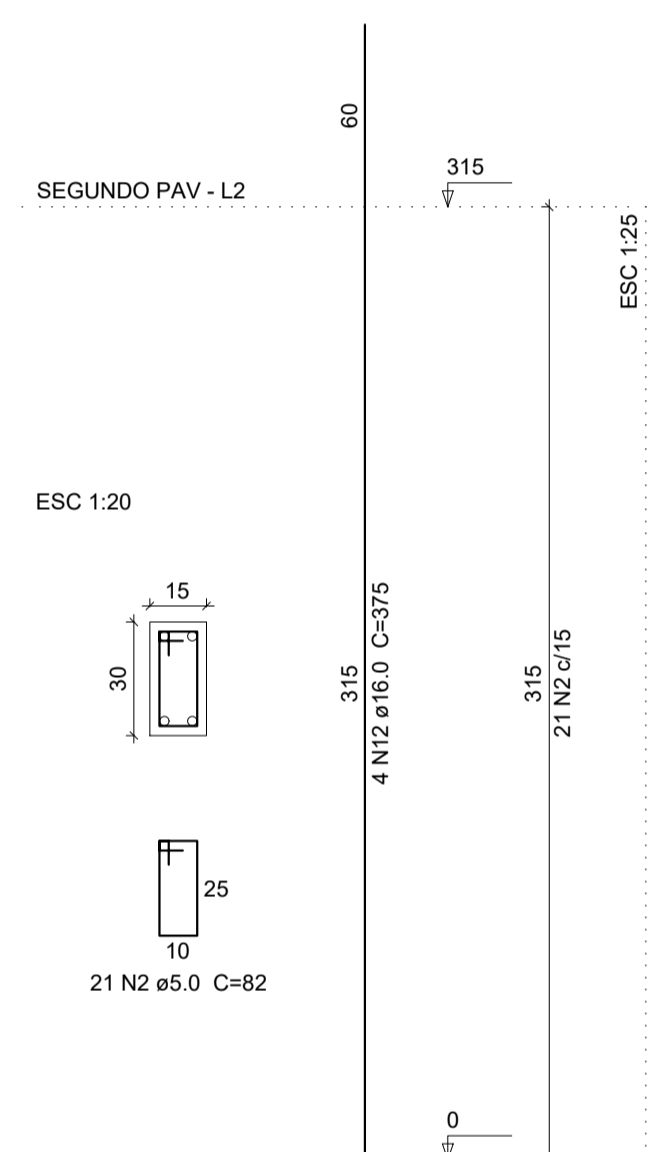
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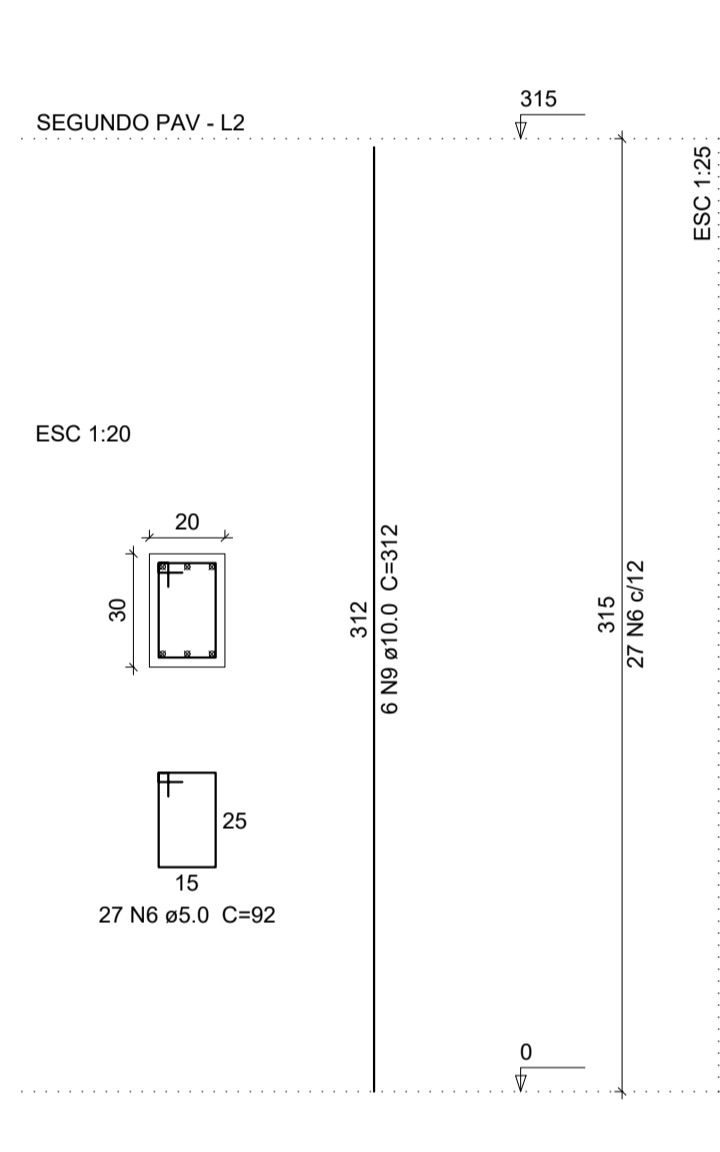
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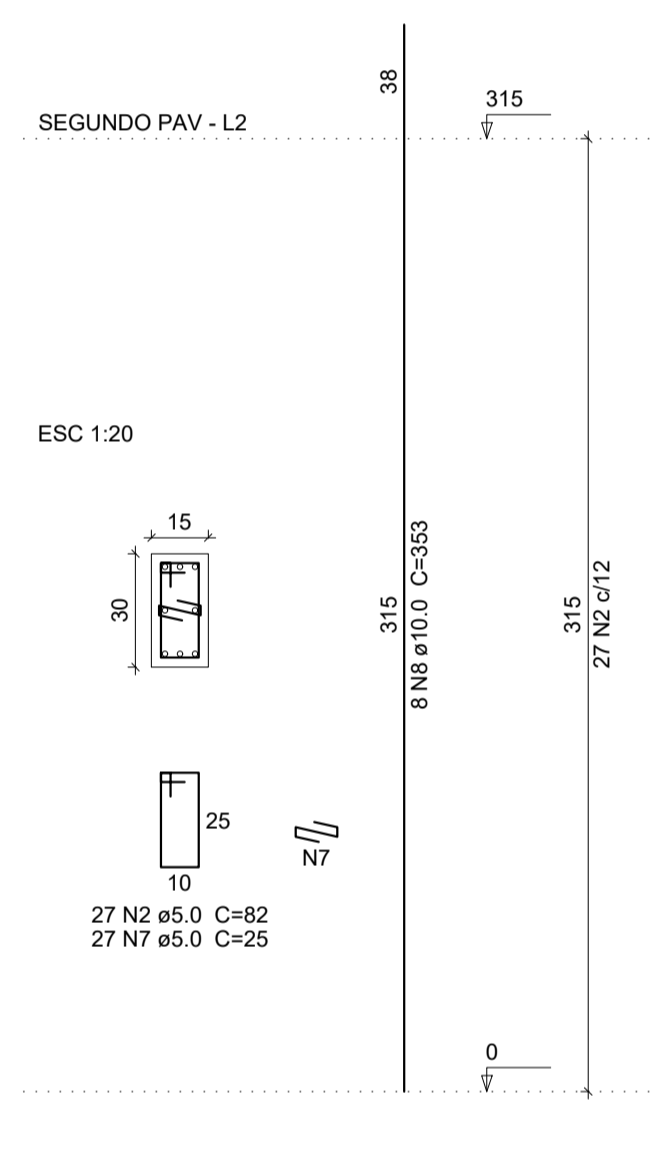
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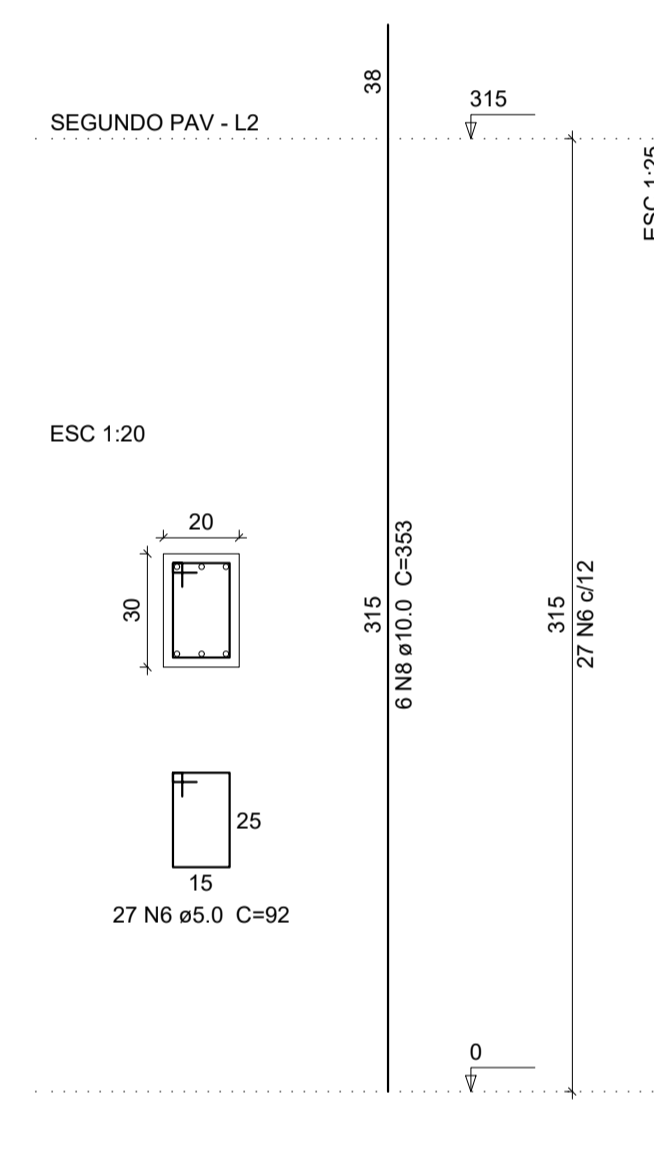
P15



P24



P26



Relação do aço

2xP1	P3	P6
P7	3xP8	4xP9
P10	P11	2xP12
2xP14	P15	P24
P26		

AÇO	N	DIAM (mm)	QUANT (Barras)	UNIT (cm)	C-TOTAL (cm)
CA60	1	5.0	34	102	3468
	2	5.0	357	82	29274
	3	5.0	42	25	1050
	4	5.0	21	102	2142
	5	5.0	21	35	735
	6	5.0	81	92	7452
	7	5.0	27	25	675
CA50	8	10.0	46	353	16238
	9	10.0	6	312	1872
	10	12.5	6	312	1872
	11	12.5	38	362	13756
	12	16.0	20	375	7500

Resumo do aço

AÇO	DIAM (mm)	C-TOTAL (m)	PESO + 10% (kg)
CA50	10.0	181.1	122.8
	12.5	156.3	165.6
	16.0	75	130.2
CA60	5.0	448	76
PESO TOTAL (kg)			
CA50			418.6
CA60			76

Volume de concreto (C-25) = 3.37 m³
Área de forma = 62.37 m²

Fábio Ernani Zortéa
Engenheiro Civil - CREA/SC 133170-7
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Título: **ESTRUTURAL**

Descrição: **PILARES SEGUNDO PAVIMENTO**

Resp. Técnico: **Fábio Ernani Zortéa - CREA/SC 133170-7**

Proprietário: **SAMAE-Serviço Autônomo Municipal de Água e Esgoto**
CNPJ: 83.158.105/0001-09

Localização da Obra: **Rua Padre Alfredo Trincheiro, Bairro Santo Antônio, CAMPOS NOVOS - SC**

Índices Urbanísticos: _____

Áreas: _____

Prancha: **14/20**

Data: **Outubro / 2016**

Arquivo: **Projetos_SAMAE_estrutural**

Escala: **Indicada**

Desenhista: **Céli Mecabó**