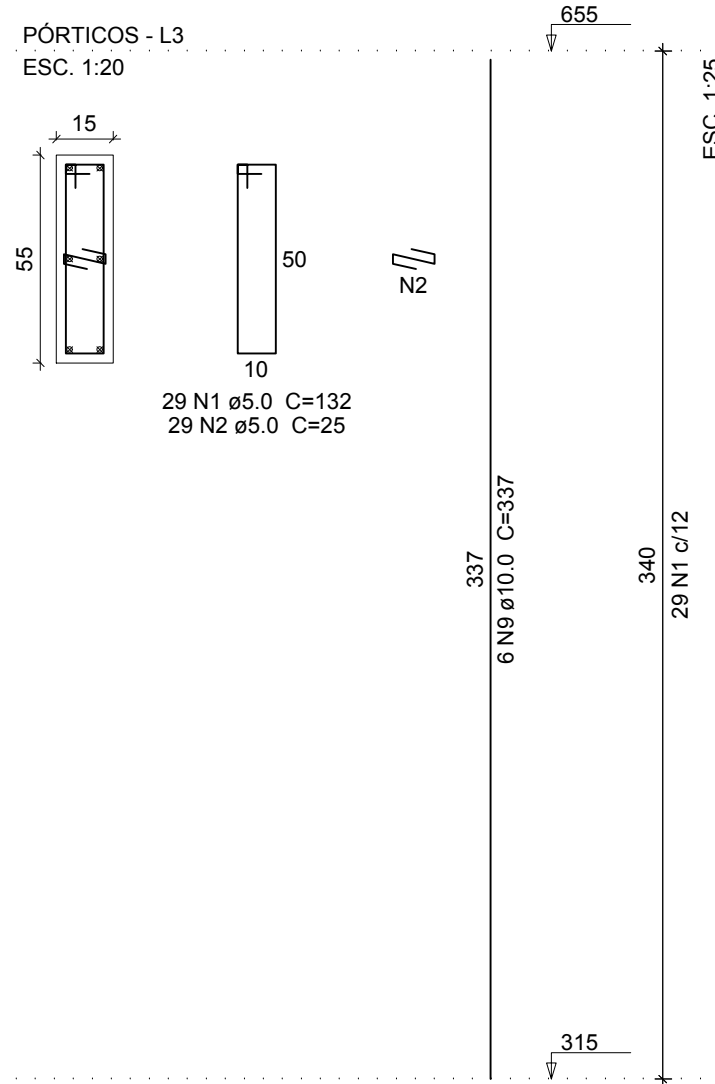
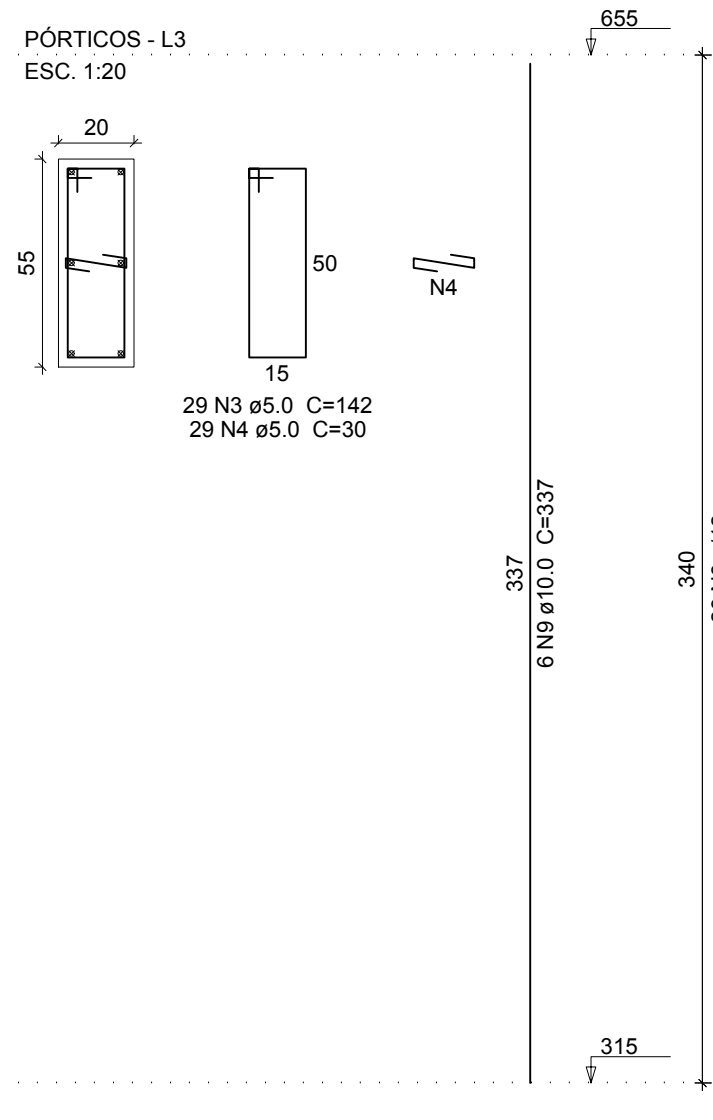


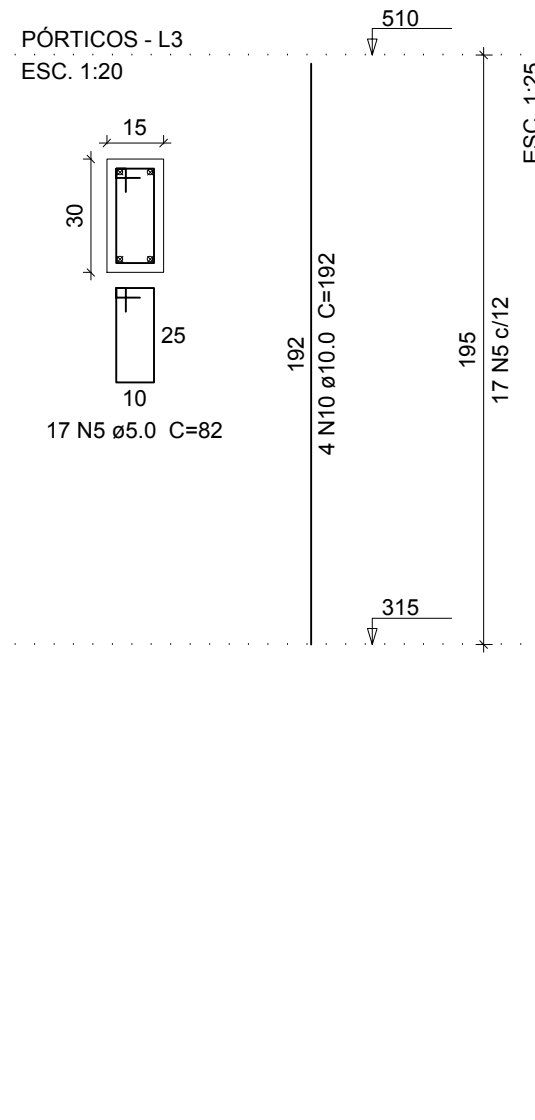
P1=P16=P23=P51=P56=P68=P73=P74=P82=  
=P84=P98=P99=P107=P108



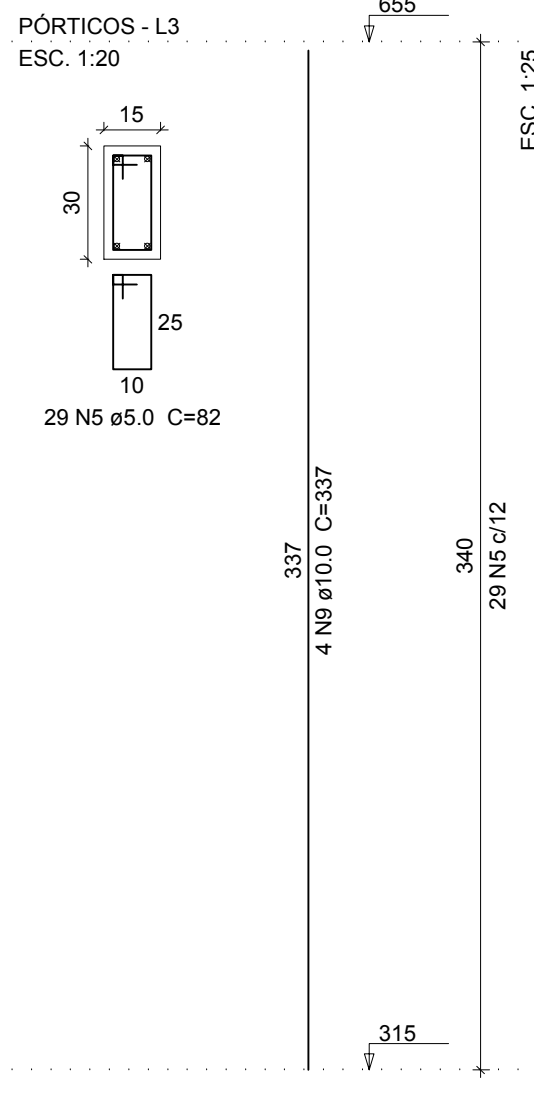
P2=P28=P43=P52=P63=P65



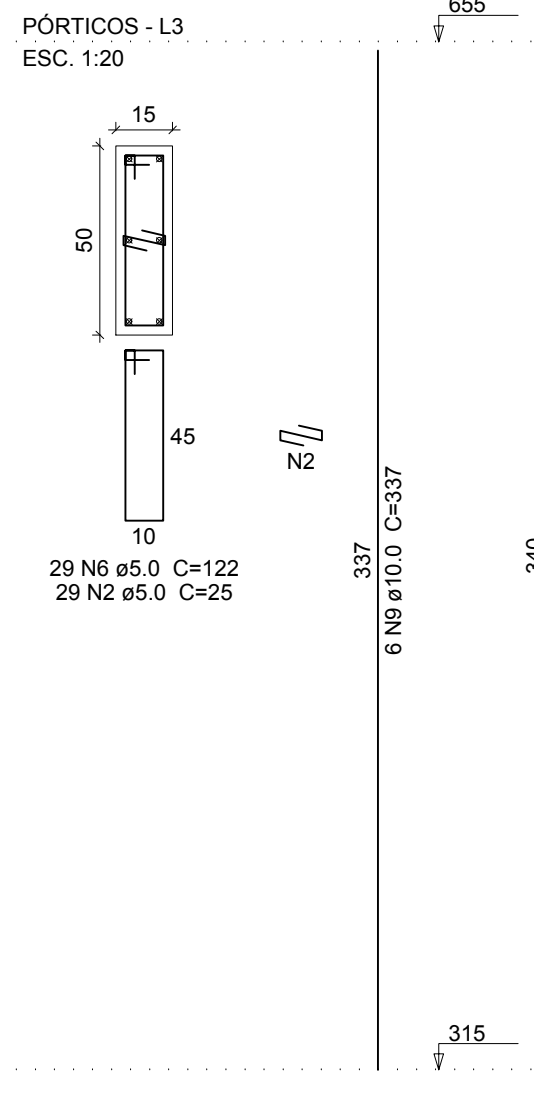
P11=P12=P14=P29=P33



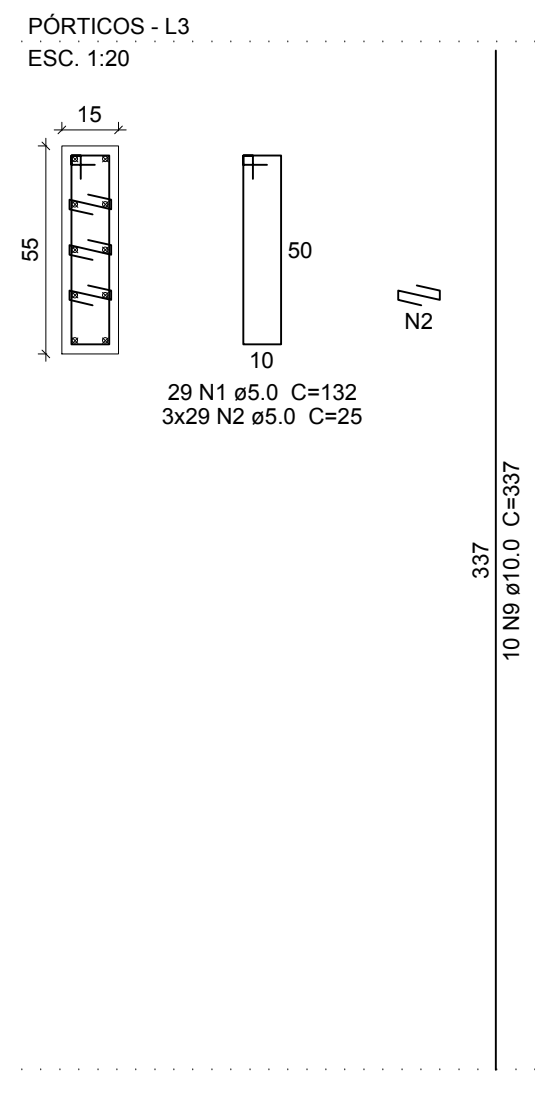
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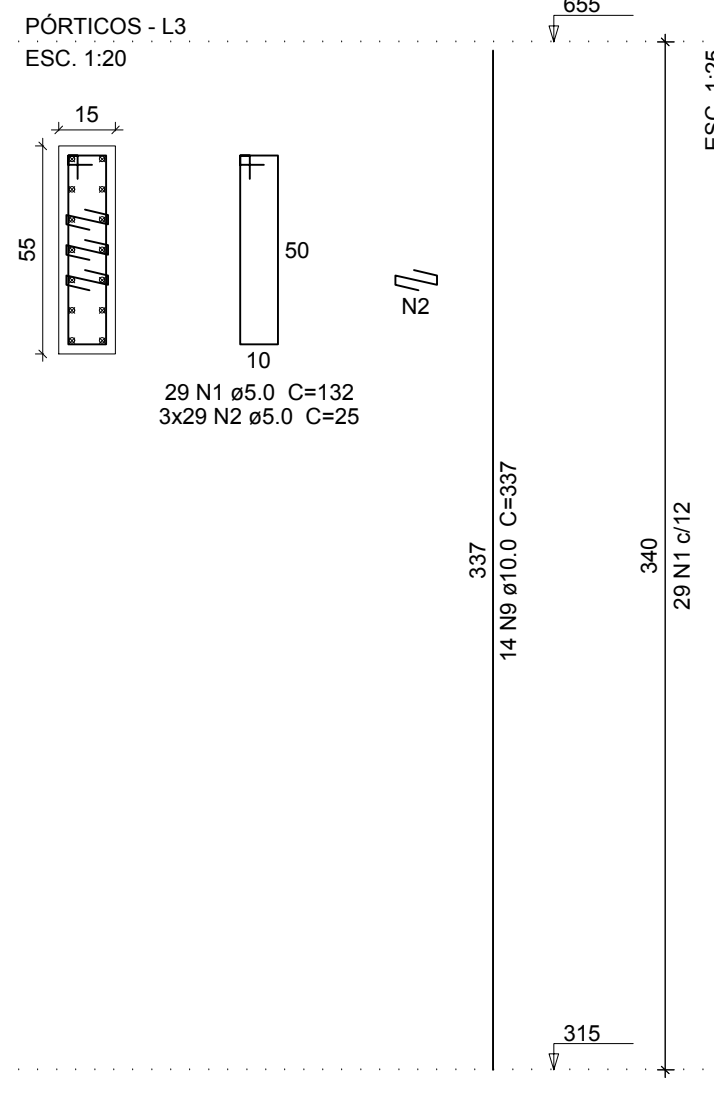
P27



P41



P42



Relação do aço

14xP1	6xP2	5xP11
P22	P27	P41
P42	3xP44	P45
2xP53	P54	P55
P58	P59	2xP64
P66	3xP76	P85
2xP90	P91	P92
7xP109		

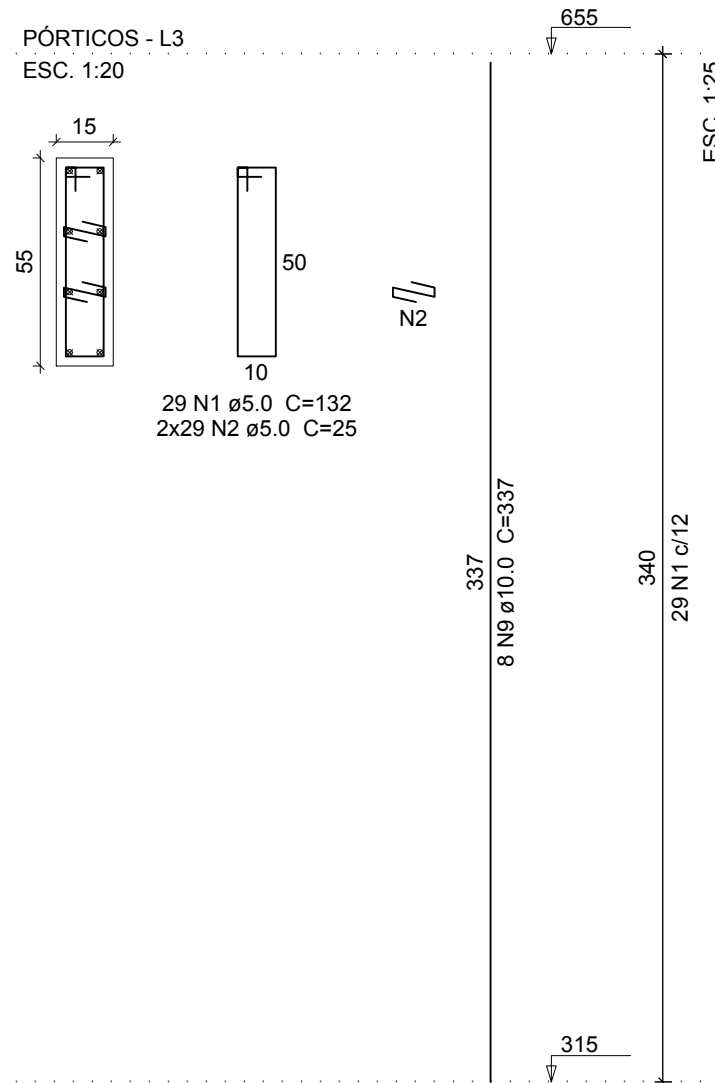
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	580	132	76560
	2	5.0	854	25	21350
	3	5.0	190	142	26980
	4	5.0	224	30	6720
	5	5.0	208	82	17056
	6	5.0	29	122	3538
	7	5.0	110	92	10120
	8	5.0	145	72	10440
CA50	9	10.0	190	337	64030
	10	10.0	48	192	9216
	11	10.0	50	152	7600
	12	10.0	38	92	3496
	13	10.0	12	317	3804
	14	10.0	6	303	1818

Resumo do aço

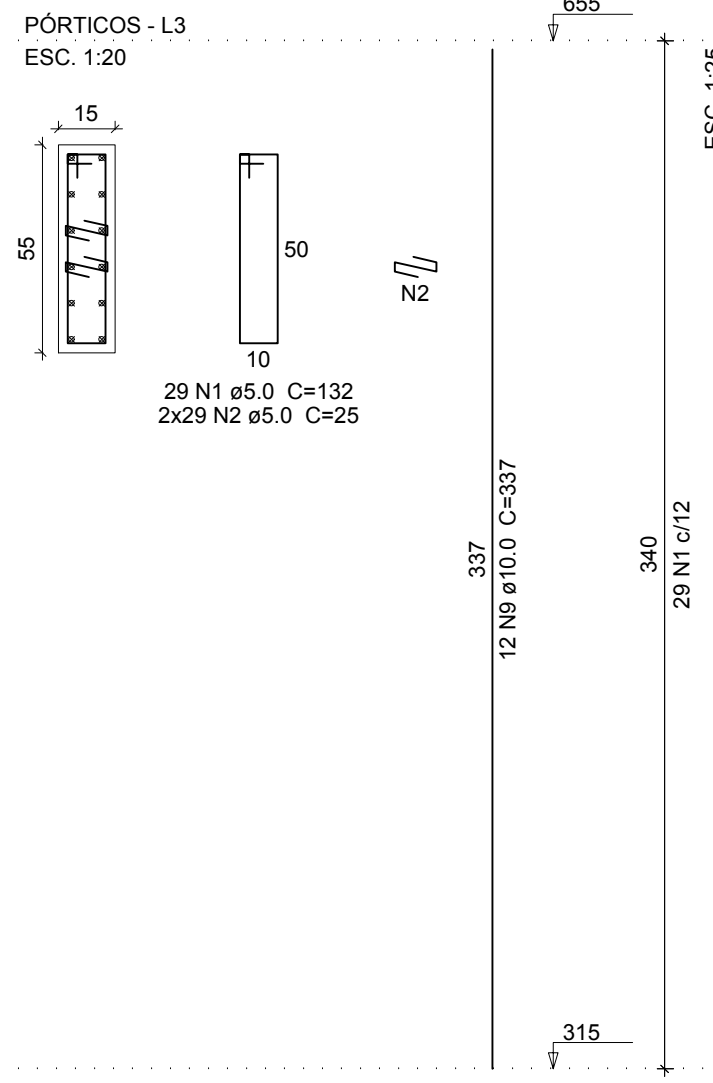
AÇO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	10.0	899.7	554.7
CA60	5.0	1727.7	266.3
PESO TOTAL (kg)			
CA50		554.7	
CA60		266.3	

Volume de concreto (C-25) = 10.82 m³  
Área de forma = 181.34 m²

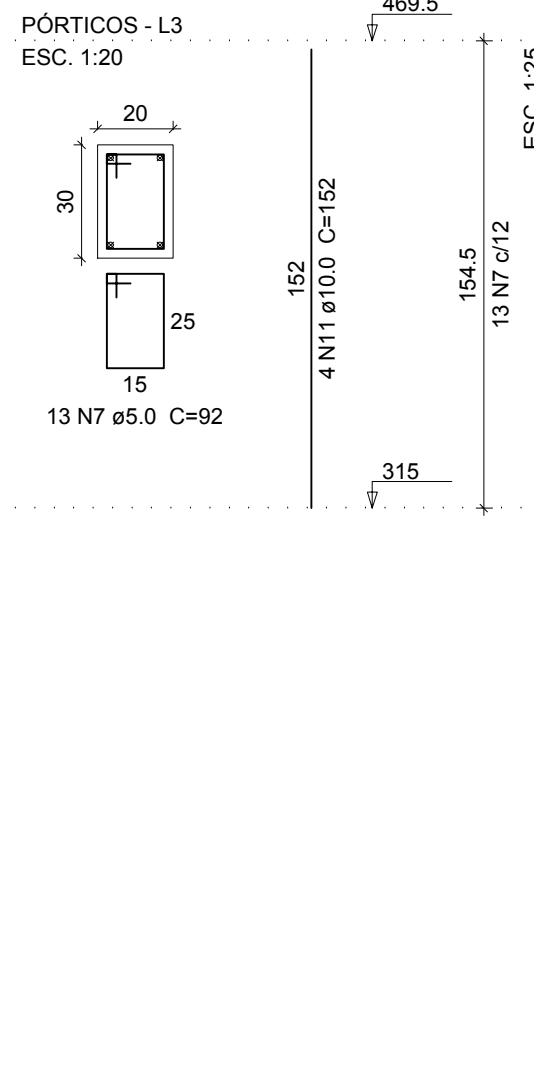
P44=P71=P96



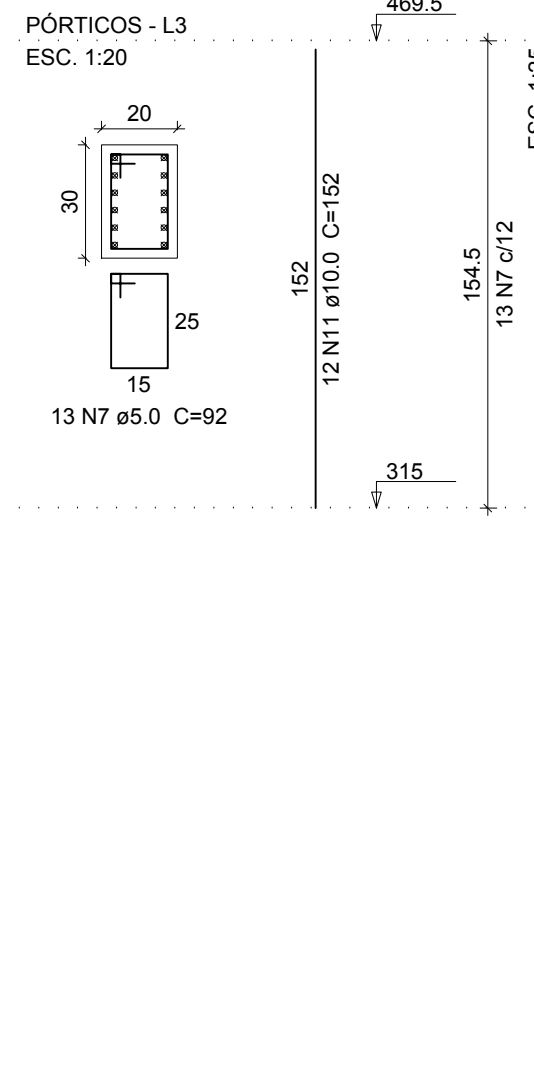
P45



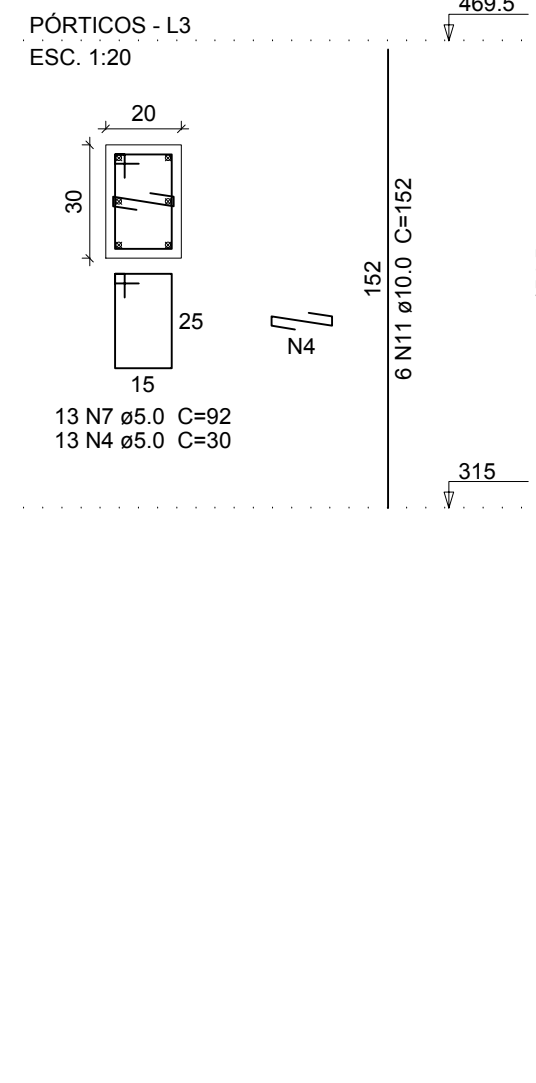
P53=P60



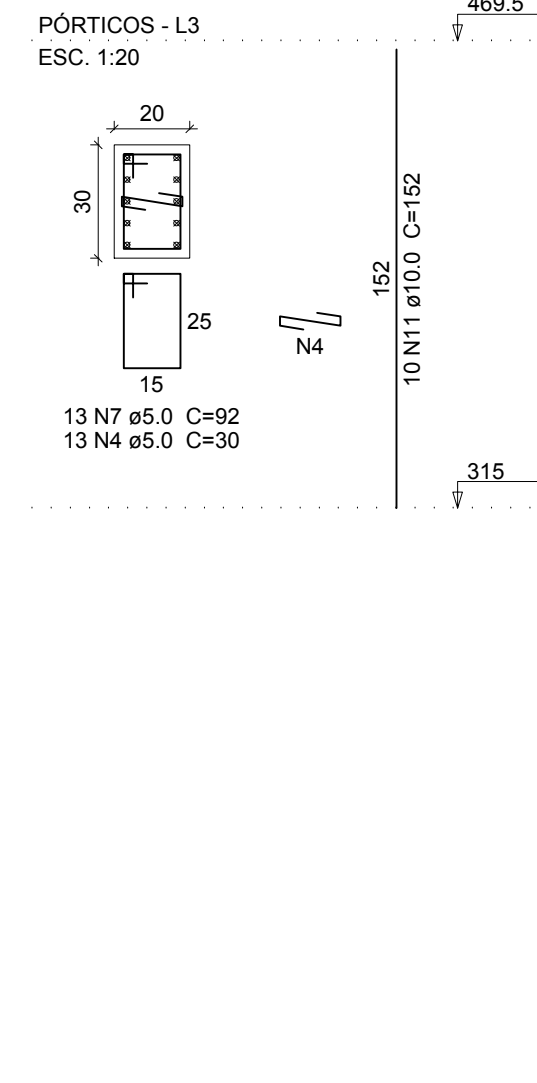
P54



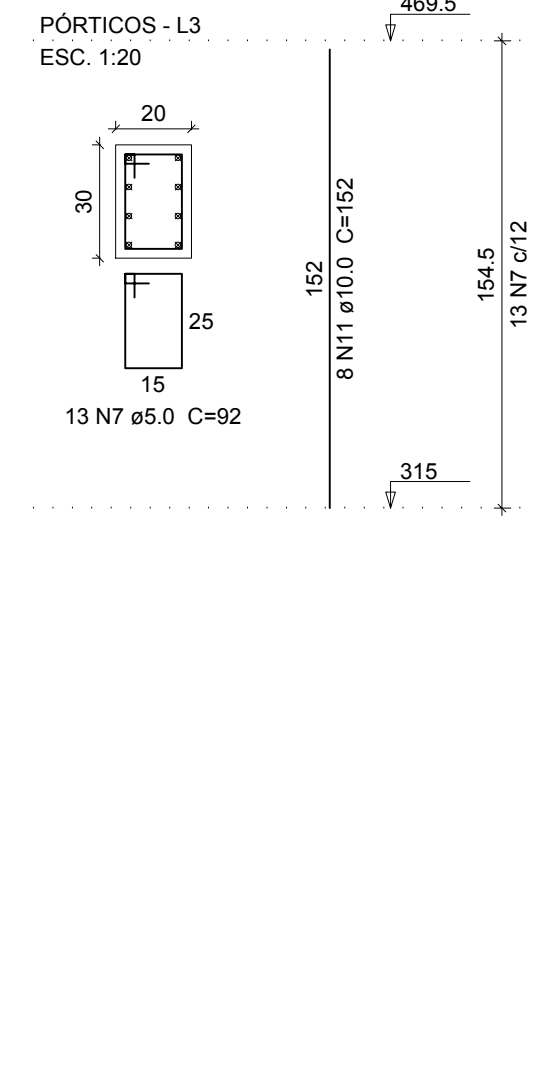
P55



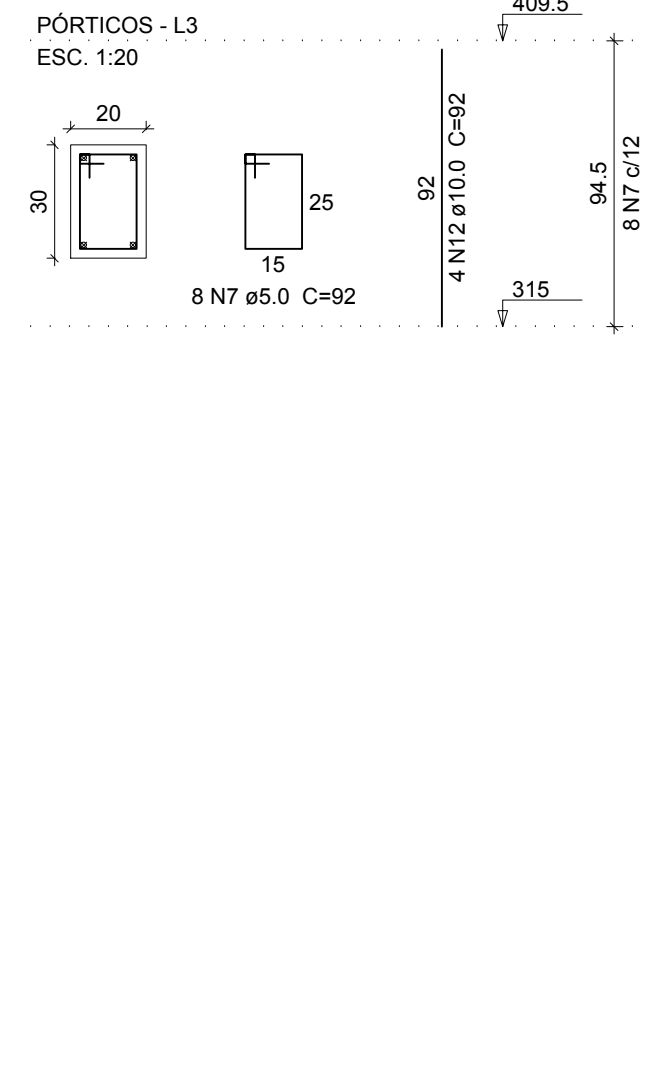
P58



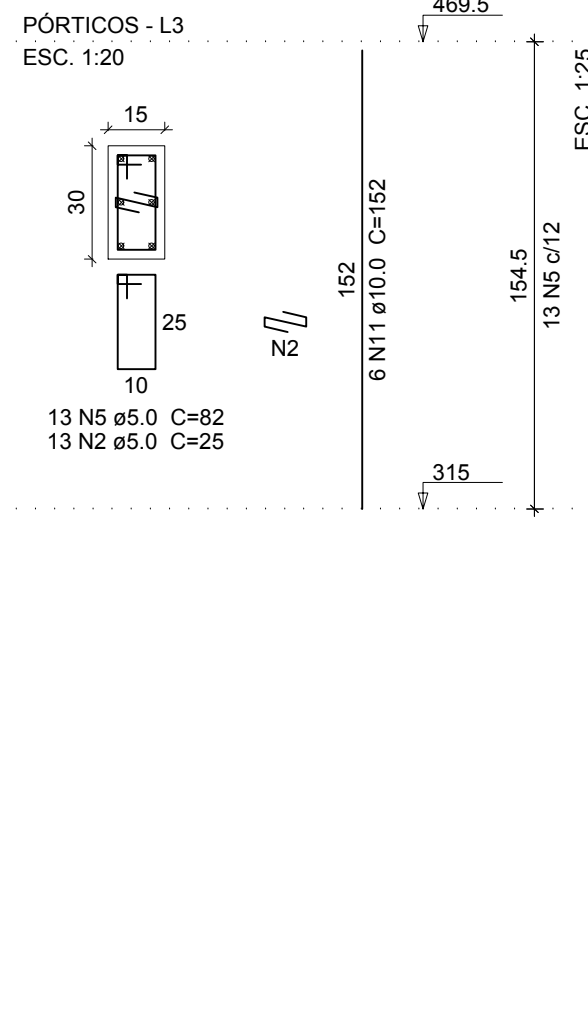
P59



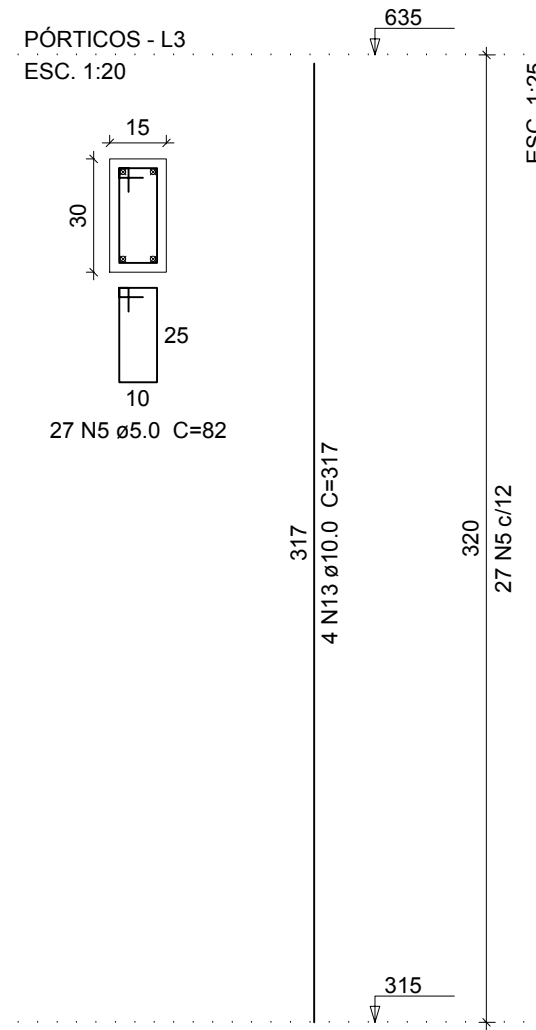
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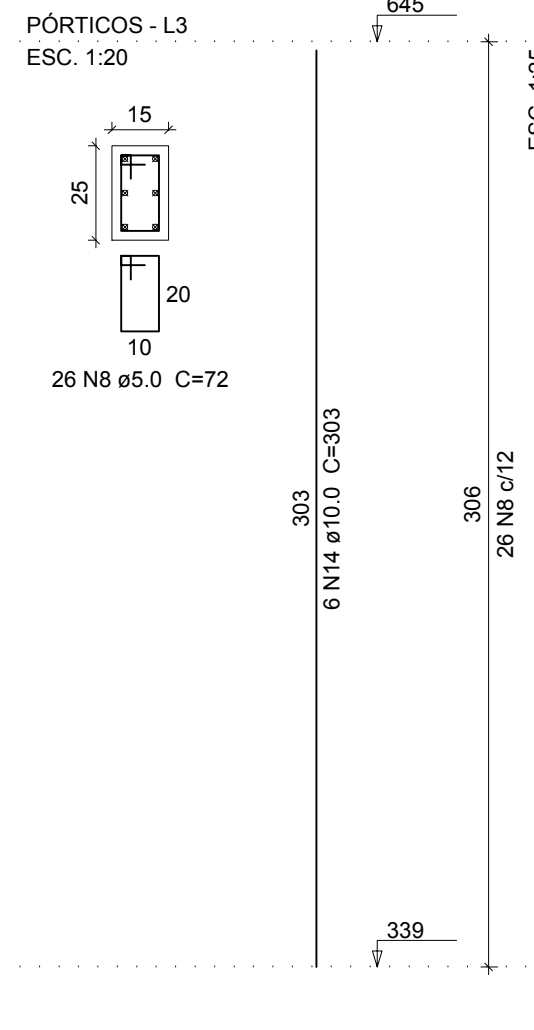
P66



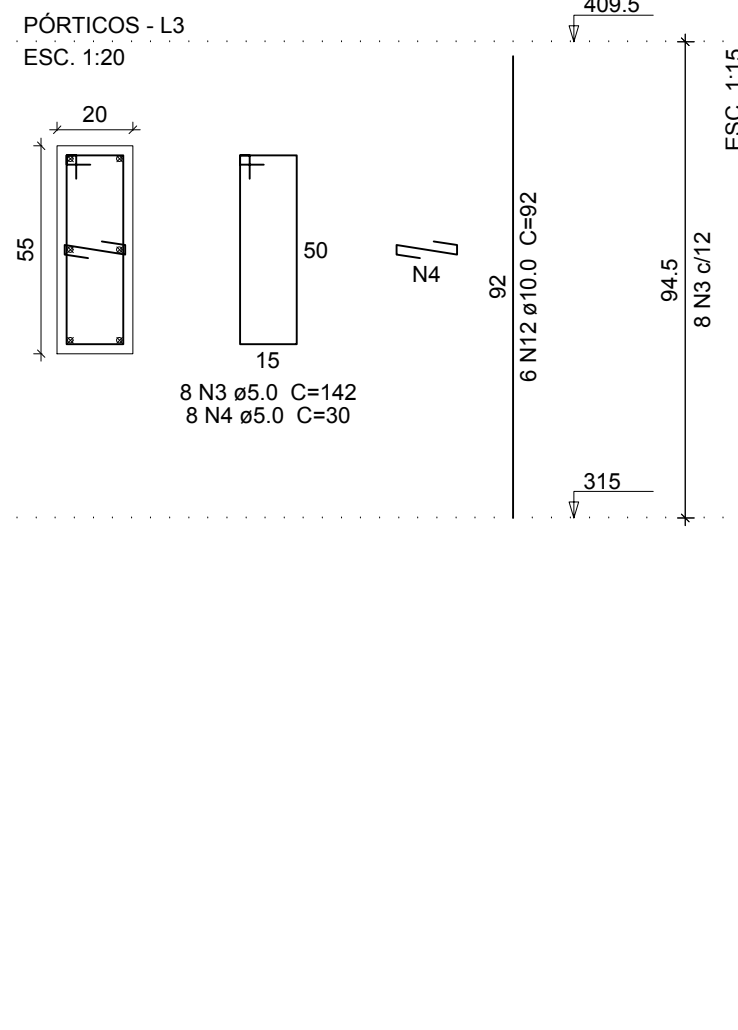
P76=P78=P83



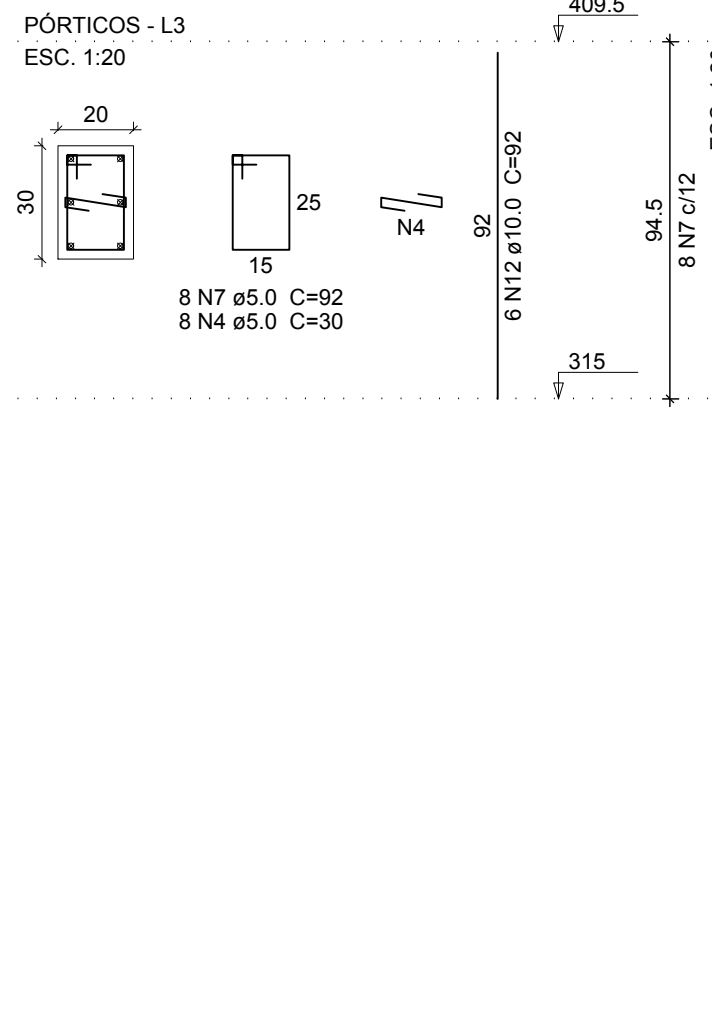
P85



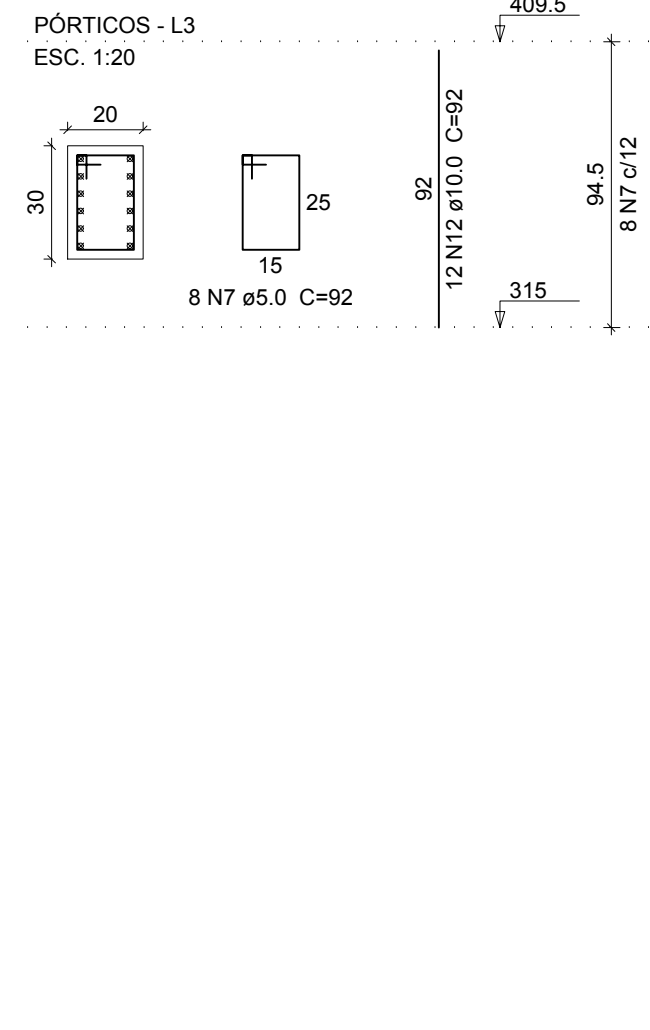
P90=P97



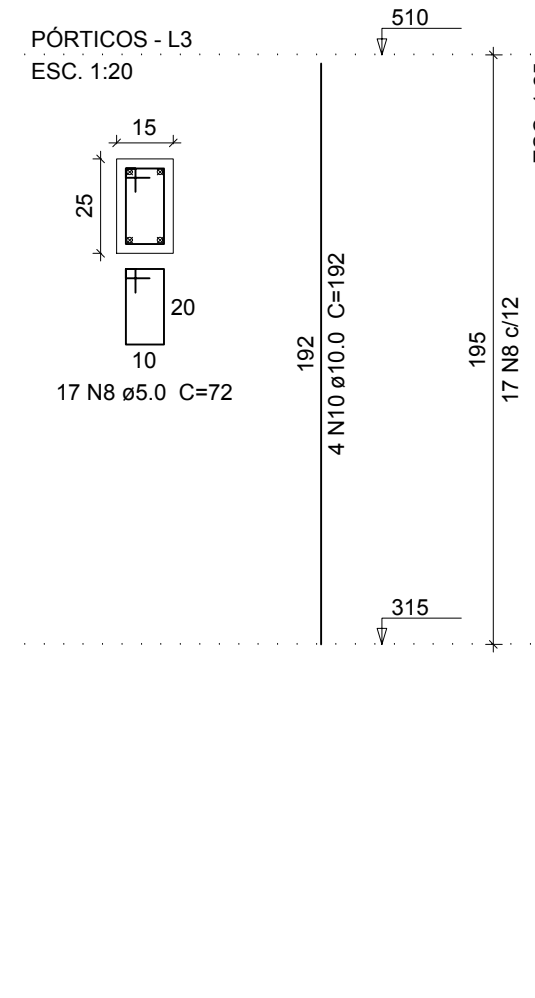
P91



P92



P109=P110=P111=P112=P113=  
=P117=P118



Equipe Técnica

Eng. Civil Dilnei de Freitas Jacinto  
Eng. Civil Jacson Jeremias  
Eng. Eletricista Edenir Vieira  
Arq. Urbanista Andrea Patricia Martins de Souza  
Eng. Civil Evair da Silva Borges  
Acad. de Arq. e Urbanismo Vinicius Souza

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www.emais.eng.br - contato@emais.eng.br - (48)3093-9350  
Rua Najla Carone Goedert, nº 1080 - Sala 411 - Ed. City Office  
Pagani - Palhoça - SC

Projeto

ESTRUTURAL

Obra

UNIDADE DE ACOLHIMENTO - CAPS AD III  
Rua Brigada Lopes S/N - Bairro Glória - Joinville SC

Proprietário

Fundo Municipal de Saúde de Joinville  
CNPJ:08184821/0001-37

Responsáveis Técnicos

Andrea P. Martins de Souza  
Arquiteta e Urbanista  
CAU: A30287-2

Edenir Vieira  
Engenheiro Eletricista  
Crea/SC:118.524-5

Dilnei de Freitas Jacinto  
Engenheiro Civil  
Crea/SC:122.825-5

Jacson Jeremias  
Engenheiro Civil  
Crea/SC:125.007-9

Conteúdo

Detalhamento da laje de cobertura

Ref.

JOI-02

Data

FEV/2017

Área

1055,86 m²

Escala

INDICADA

Folha

24/37

PROIBIDO CÓPIA OU REPRODUÇÃO DO PROJETO SEM PRÉVIA AUTORIZAÇÃO.  
DIREITOS AUTORAIS RESERVADOS PELA LEI nº 9.610-98