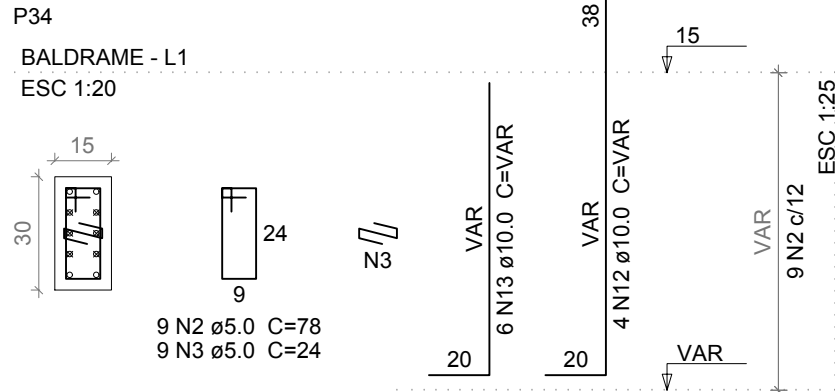
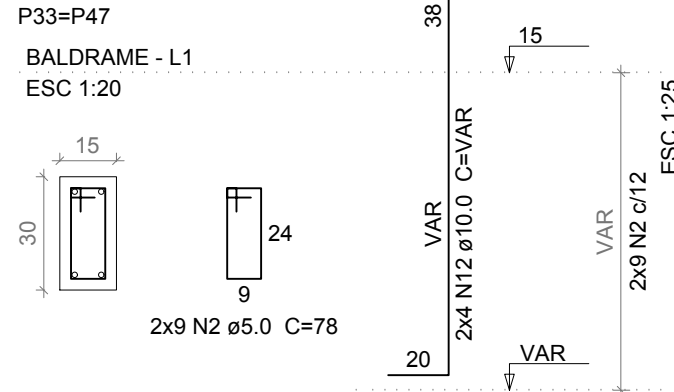
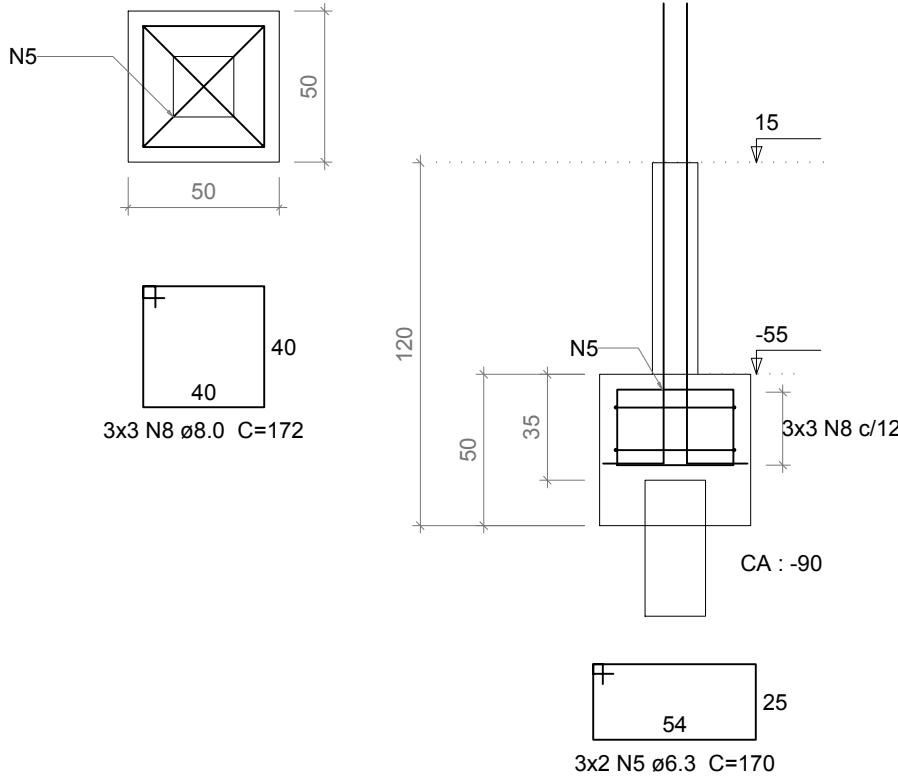
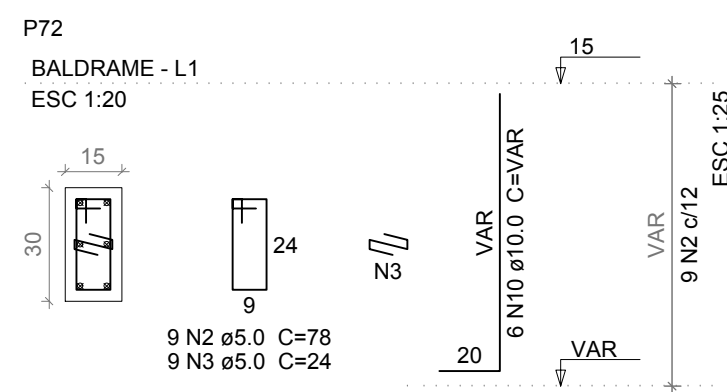
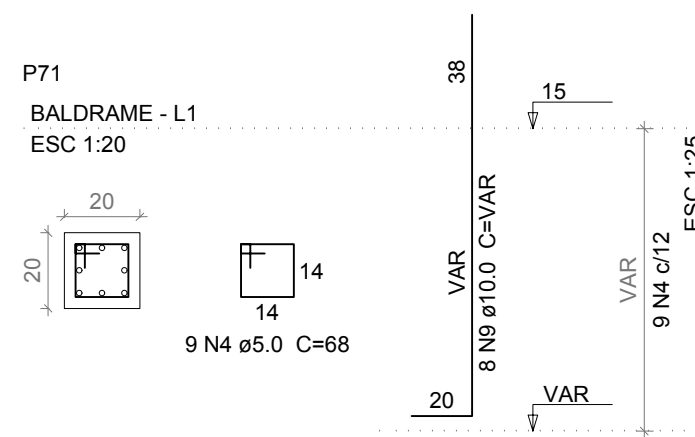
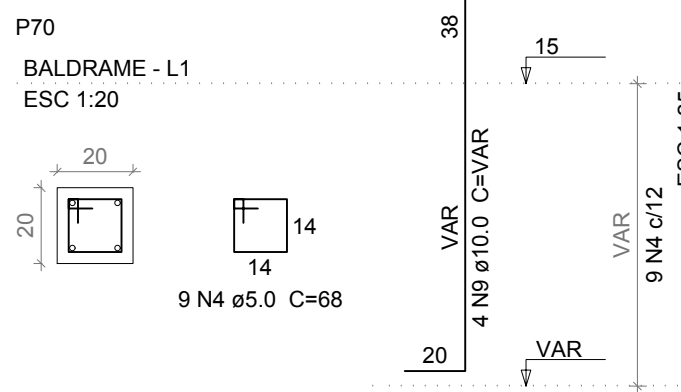
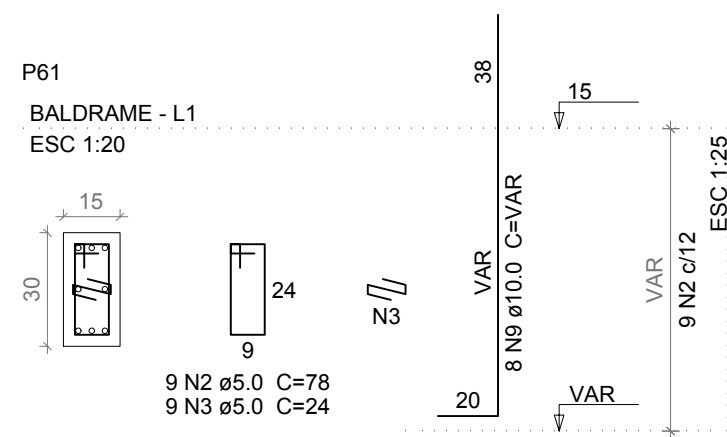
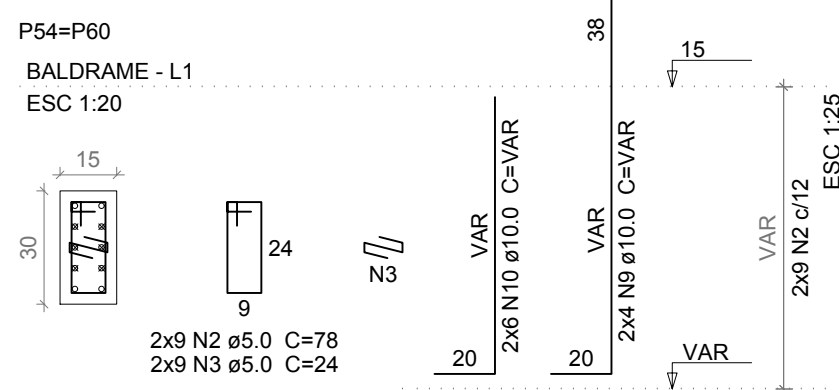
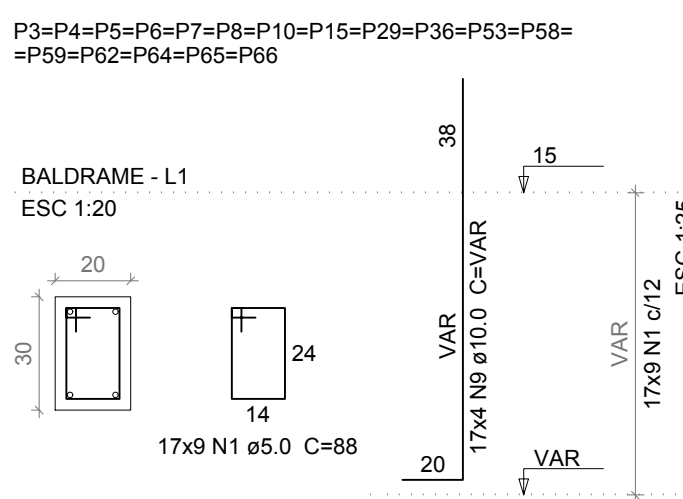
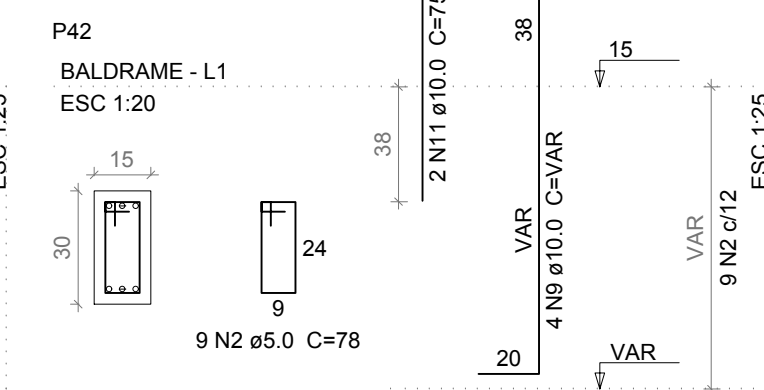
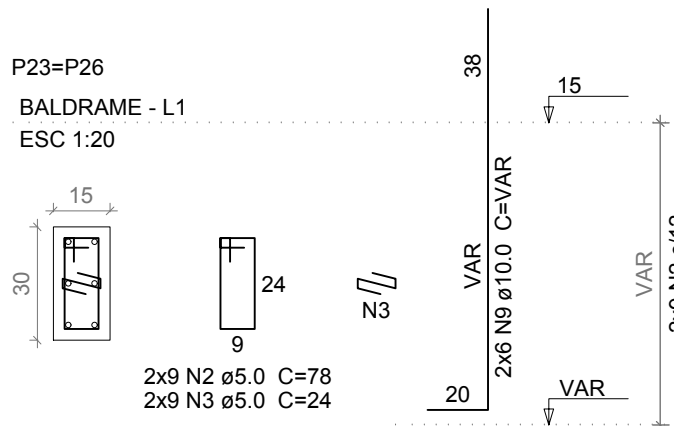
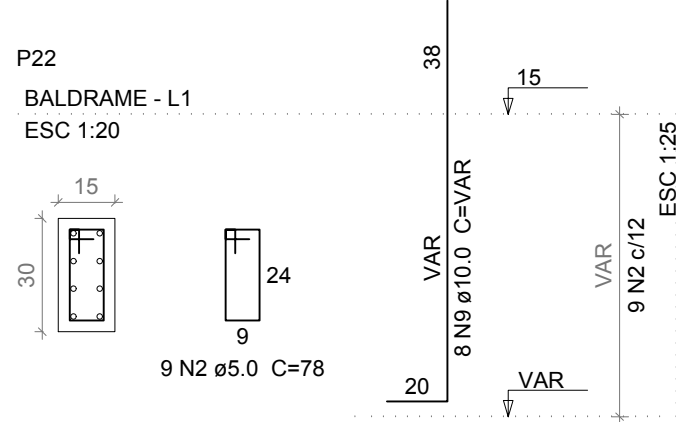
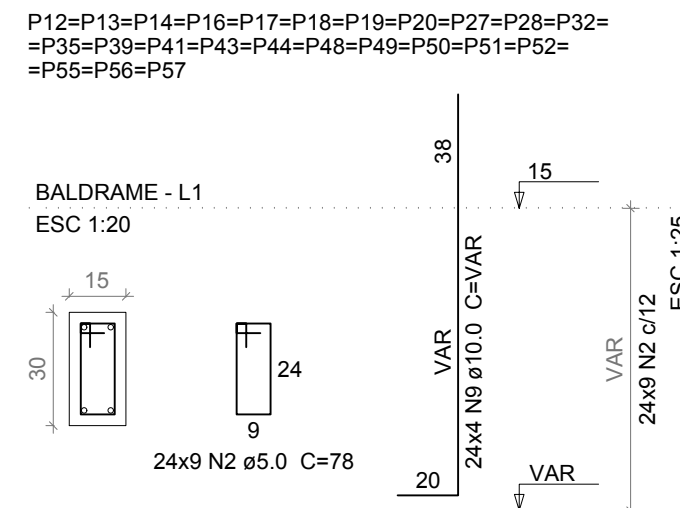
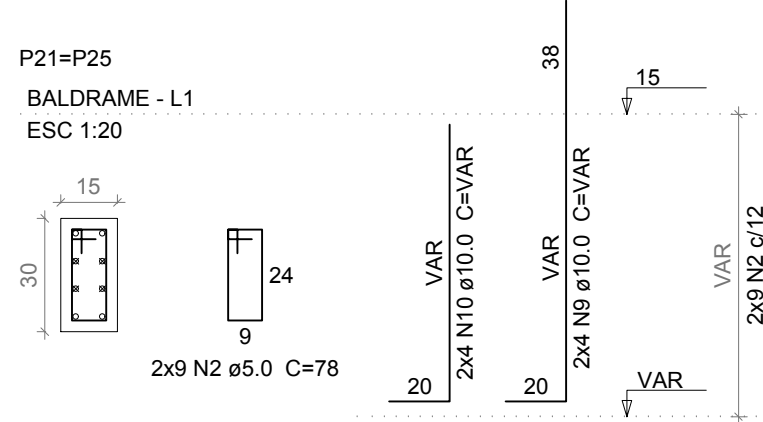
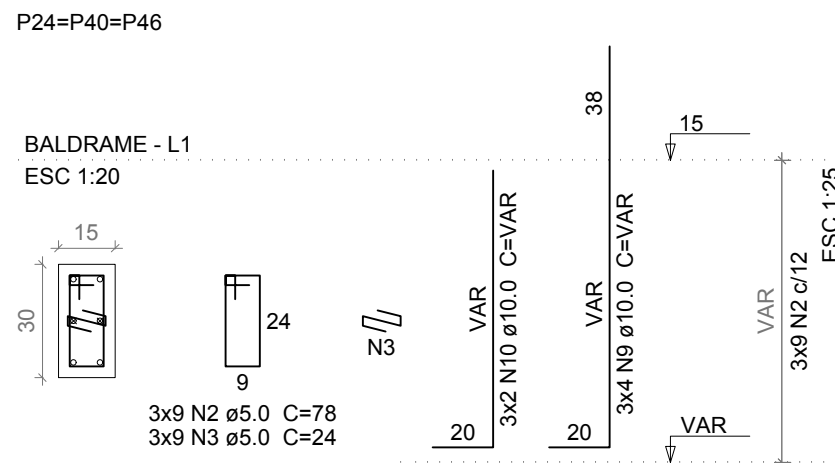
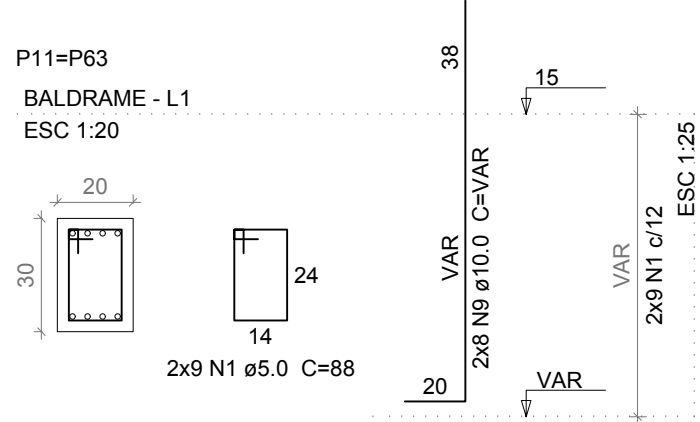
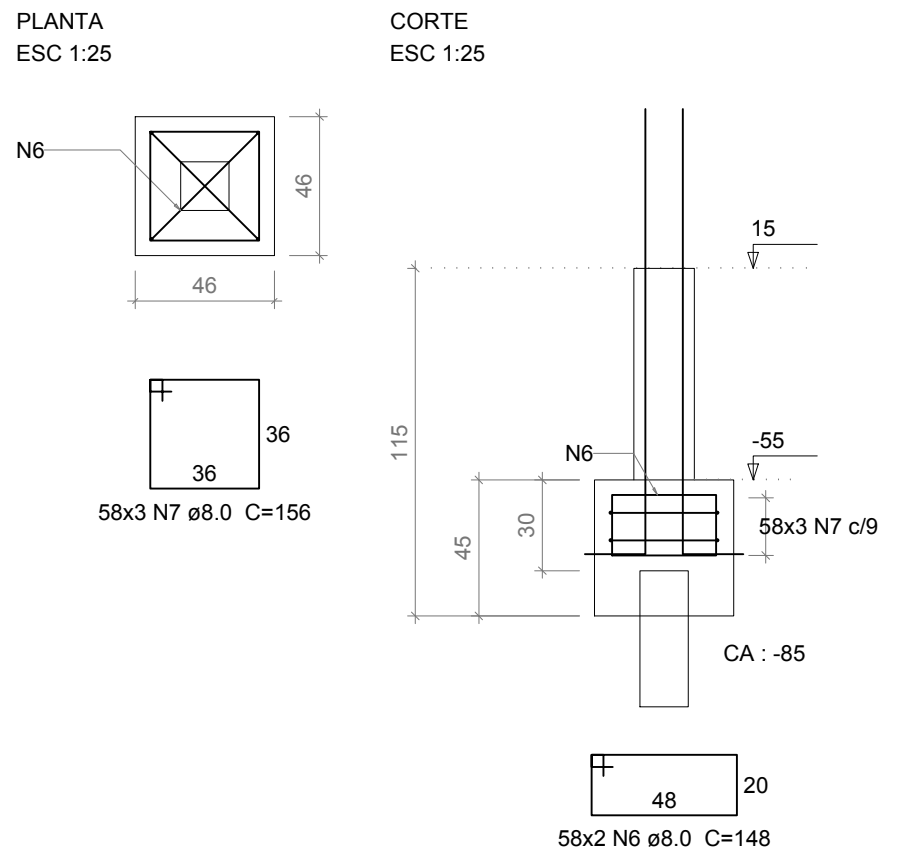


B33=B34=B47
1x20X20CM-45T
PLANTA
ESC 1:25



B3=B4=B5=B6=B7=B8=B10=B11=B12=B13=B14
=B15=B16=B17=B18=B19=B20=B21=B22=B23
=B24=B25=B26=B27=B28=B29=B32=B35=B36
=B39=B40=B41=B42=B43=B44=B46=B48=B49
=B50=B51=B52=B53=B54=B55=B56=B57=B58
=B59=B60=B61=B62=B63=B64=B65=B66=B70
=B71=B72
1x16x16 CM-25T
PLANTA
ESC 1:25



Relação do aço

B11		B33				
AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)	
CA60	1	5.0	171	88	15048	
	2	5.0	360	78	28080	
	3	5.0	90	24	2160	
CA50	4	5.0	18	68	1224	
	5	5.3	6	170	1020	
	6	8.0	116	148	17168	
	7	8.0	174	156	27144	
	8	8.0	9	172	1548	
	9	10.0	252	VAR	VAR	
	10	10.0	32	VAR	VAR	
	11	10.0	2	75	150	
	12	10.0	12	VAR	VAR	
	13	10.0	6	VAR	VAR	

Resumo do aço

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10 % (kg)
CA50	6.3	10.2	2.7
	8.0	458.6	199.1
	10.0	442.9	300.3
CA60	5.0	465.2	78.9
PESO TOTAL (kg)			
CA50	502.1		
CA60	78.9		

Volume de concreto (C-25) = 8.68 m³
Área de forma = 107.76 m²



Equipe Técnica

Eng. Civil Dilnei de Freitas Jacinto
Eng. Civil Jacson Jeremias
Eng. Eletricista Edenir Vieira
Eng. Mecânico e Seg. do Trabalho Mario Cesar Osorio
Arq. Urbanista Andrea Patricia Martins de Souza
Eng. Civil Evair da Silva Borges
Acad. de Arq. e Urbanismo Vinicius Souza

E + Plan Engenharia Ltda Me - CNPJ:15.018.870/0001-65
Registro no CREA/SC: 127.622-8
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

UBSF COMASA
Rua Albano Schmidt S/N - Bairro Comasa - Joinville/SC

Proprietário

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

Responsáveis Técnicos

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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 de Fundações.

Ref.

JOI-04

Data

MAI/2017

Área

845,00 m²

Escala

INDICADA

Folha

08/25

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