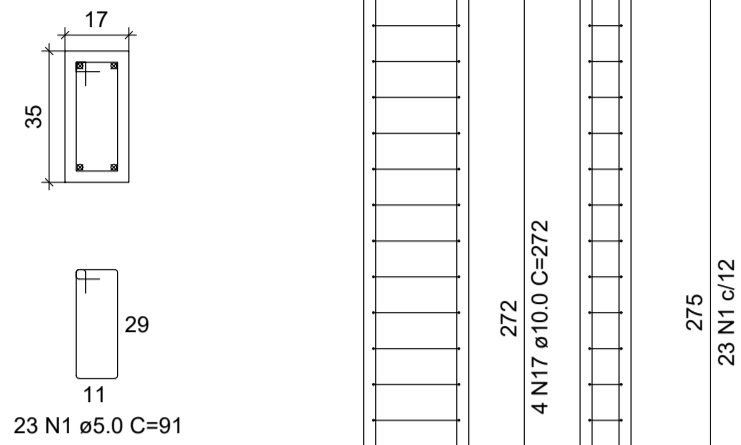
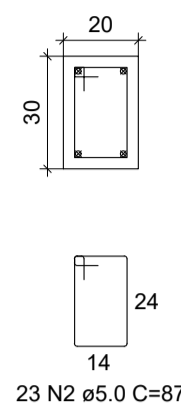


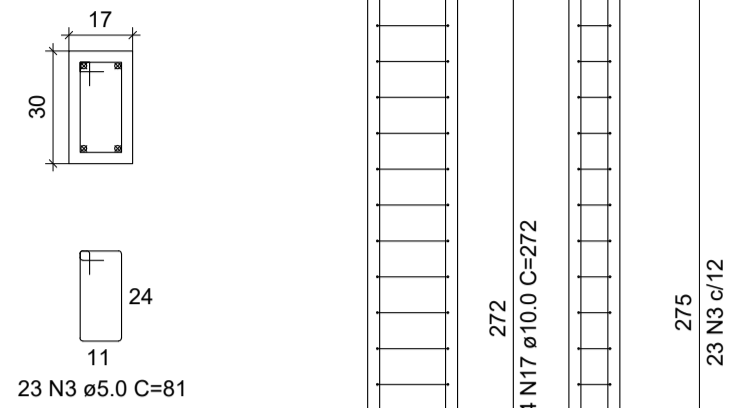
P1=P3=P24=P25=P26=  
=P30=P34=P38=P47



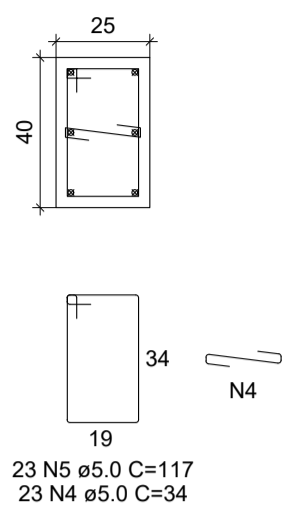
P2=P4=P6=P7=P10=P11



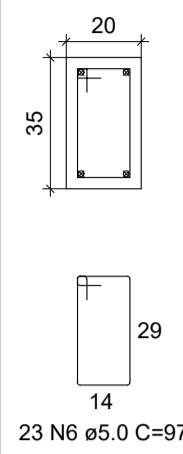
P5=P39=P40=P41=P42=  
=P43=P44=P45=P46



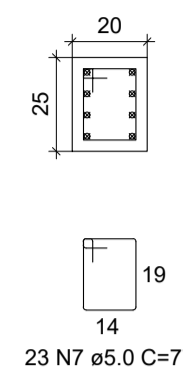
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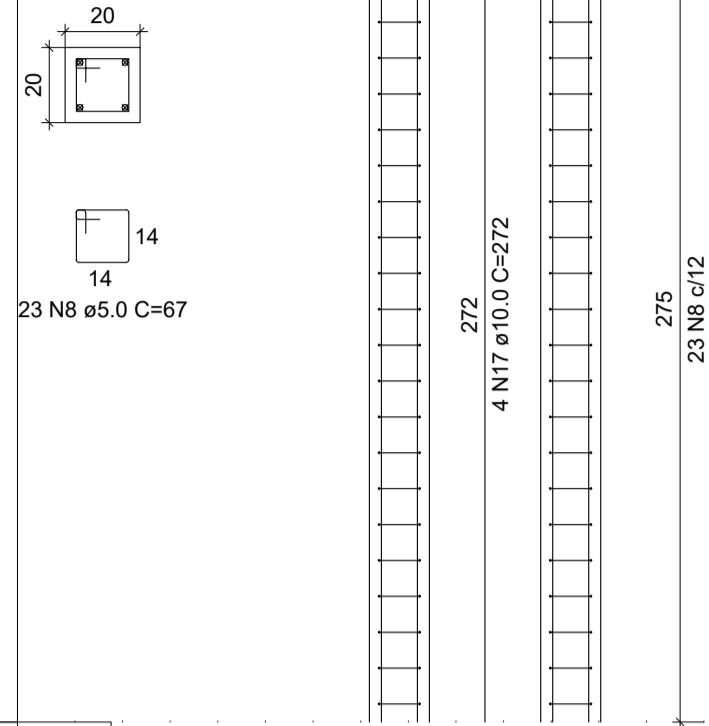
P9=P66



P12



P13=P14=P15=P17=P18=  
=P19=P21=P67=P68=P69=  
=P70=P71=P72=P73=P74=  
=P75=P76=P77



RELAÇÃO DO AÇO

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	322	91	29302
	2	5.0	207	87	18009
	3	5.0	207	81	16767
	4	5.0	23	34	782
	5	5.0	23	117	2691
	6	5.0	138	97	13366
	7	5.0	23	77	1771
	8	5.0	452	67	30284
	9	5.0	345	29	10005
	10	5.0	23	107	2461
	11	5.0	23	77	1771
	12	5.0	391	26	10166
	13	5.0	69	151	9039
	14	5.0	245	111	27195
	15	5.0	38	26	989
	16	5.0	23	117	2691
CA50	17	10.0	410	272	111520
	18	12.5	20	272	5440

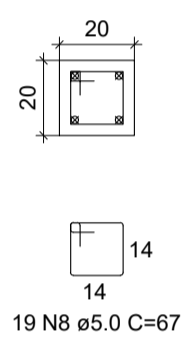
RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	1115.2	756.3
CA60	12.5	54.4	57.6
CA60	5.0	1773.1	300.6
PESO TOTAL (kg)			
CA50	814		
CA60	300.6		

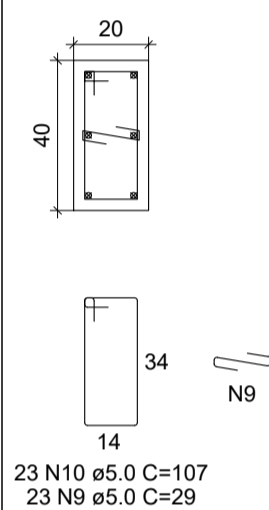
Volume de concreto (C=30) = 12.48 m³

Área de forma = 215.00 m²

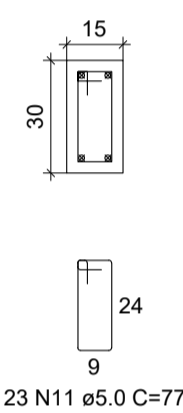
P16=P20



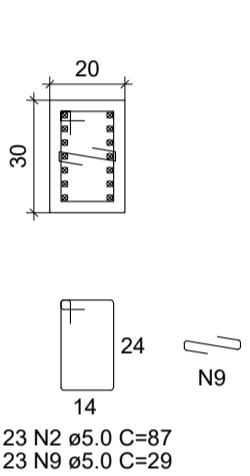
P22



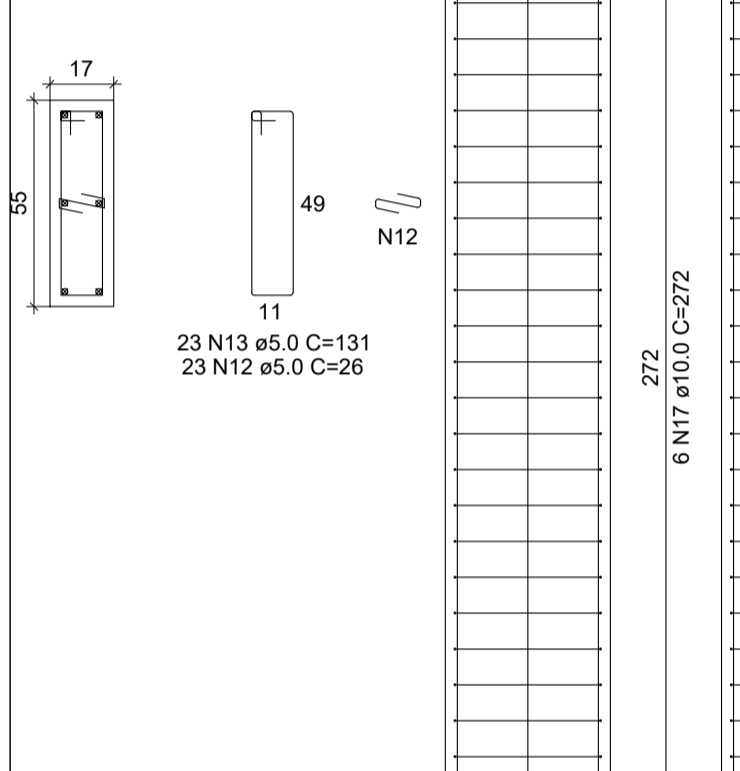
P23



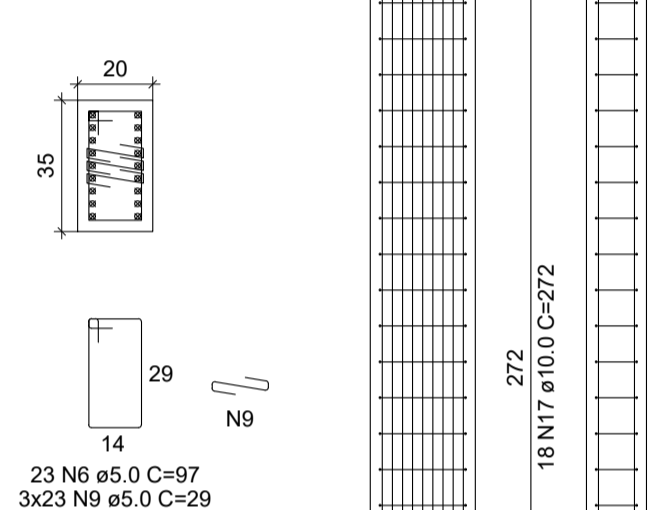
P27=P31=P35



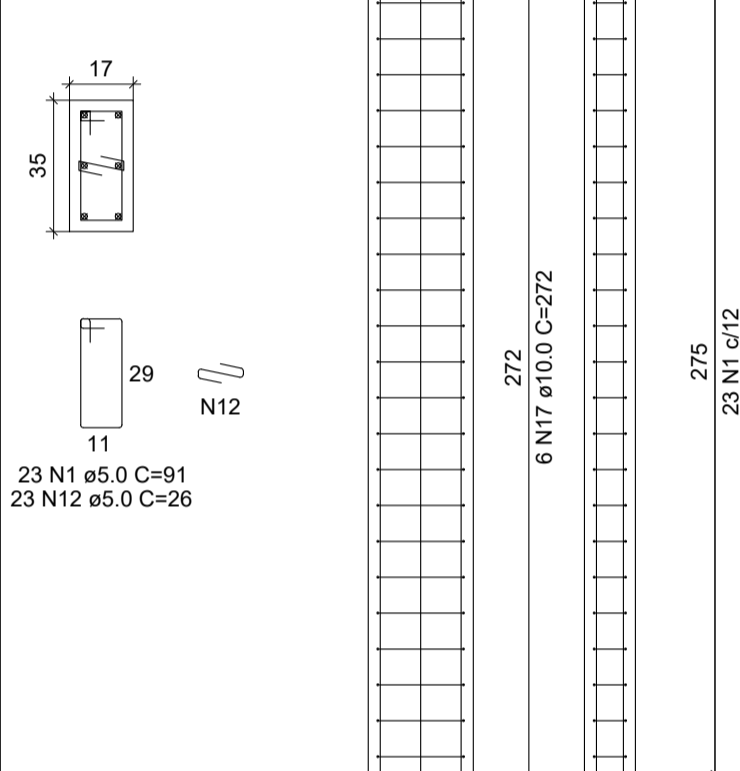
P28=P32=P36



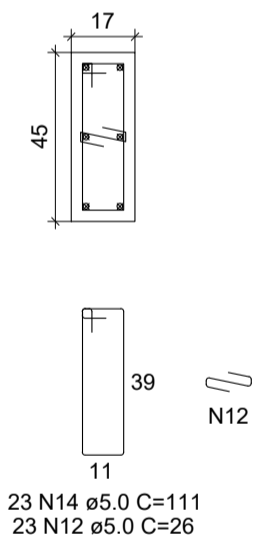
P29=P33=P37



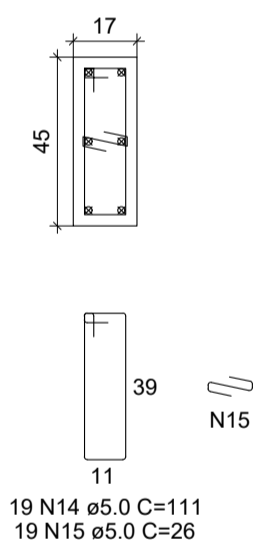
P48=P51=P54=P57=P63



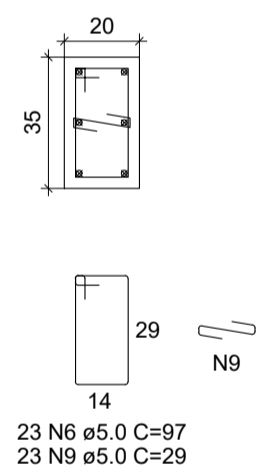
P49=P50=P52=P55=P56=P58=  
=P61=P62=P64



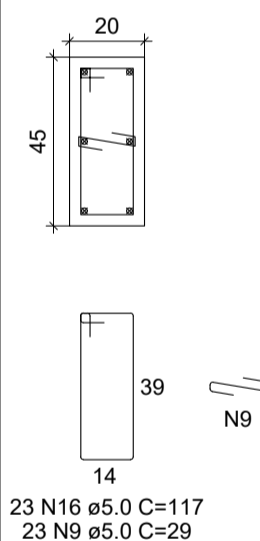
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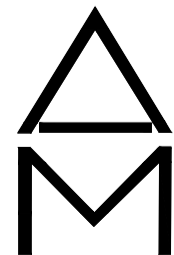
P60



P65



ANDRÉ MADEIRA  
ENGENHARIA



(51) 98555-4410

CENTRO - GRAVATAI - RS  
WWW.ANDREMADEIRA.COM.BR  
ANDRELUISMADEIRA@GMAIL.COM

PRANCHA: **E-5**

PROJETO AMPLIAÇÃO EMEF EDMUNDO EST.  
RUA TRÊS CORDEAS  
CAMPO BOM - RS

PROPRIETÁRIO: \_\_\_\_\_  
PREFEITURA DE CAMPO BOM - SEC EDUCAÇÃO

RESPONSÁVEL TÉCNICO: \_\_\_\_\_  
ANDRÉ LUIS MADEIRA - CREA 179363

ESTRUTUTURAL PILARES

ÁREA: -m²

DATA: OUT/2021

ESCALA: INDICADA