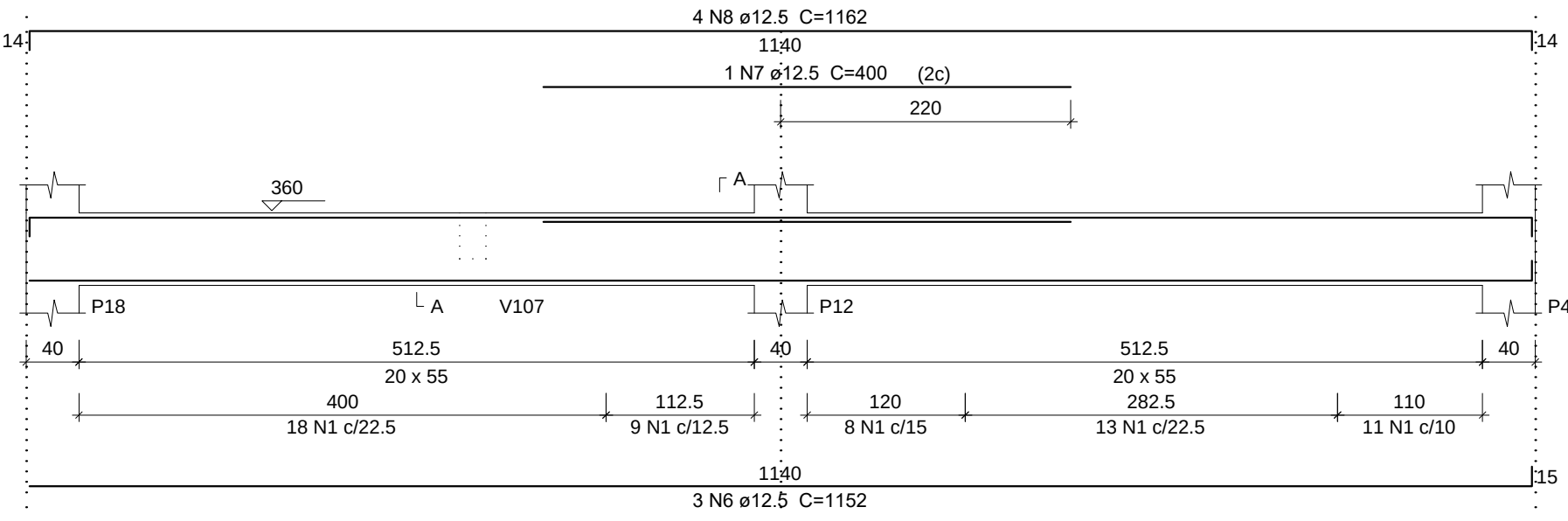


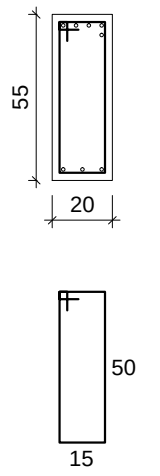
V114

ESC 1:50



SEÇÃO A-A

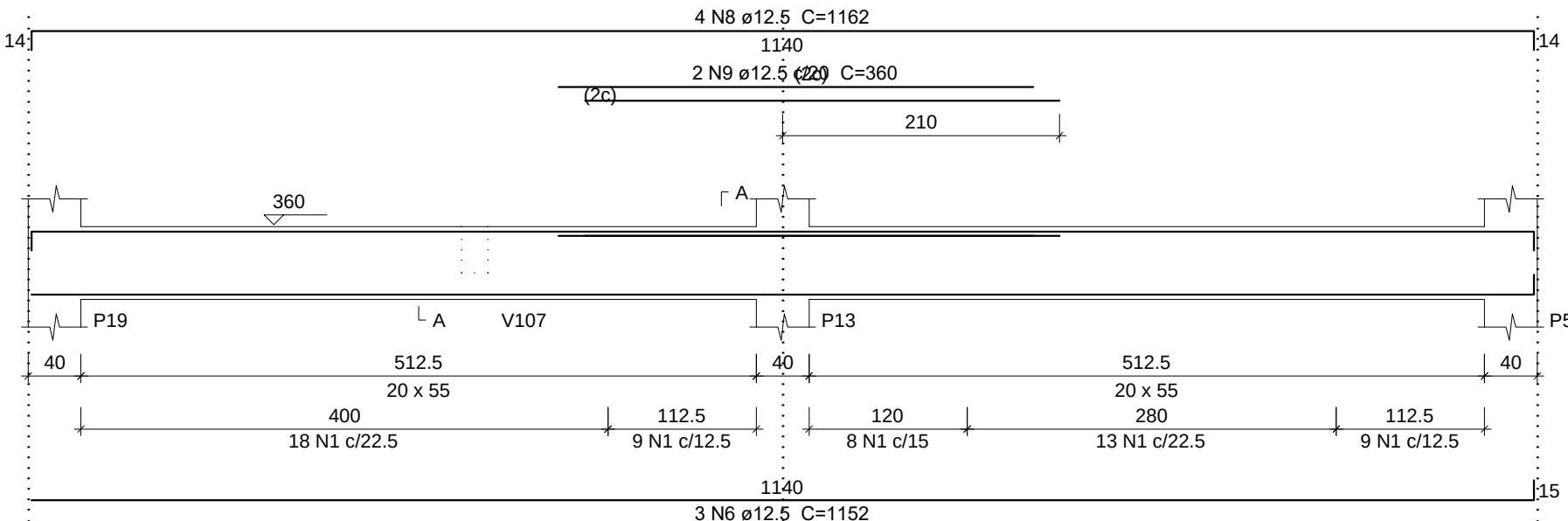
ESC 1:25



59 N1 ø5.0 C=142

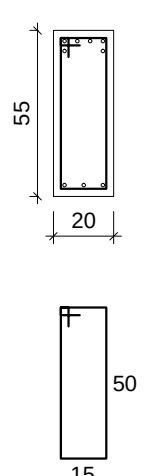
V115

ESC 1:50



SEÇÃO A-A

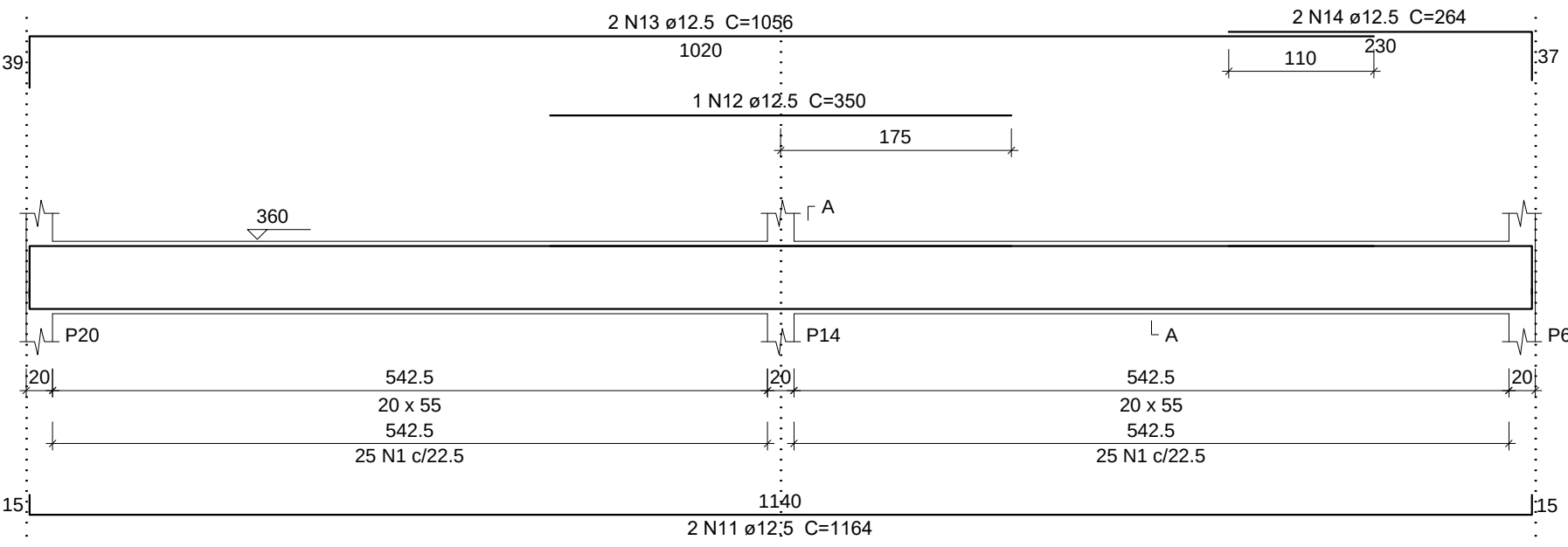
ESC 1:25



57 N1 ø5.0 C=142

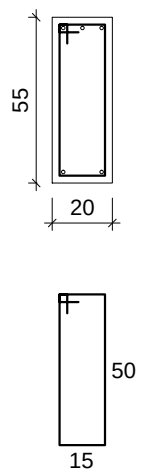
V116

ESC 1:50



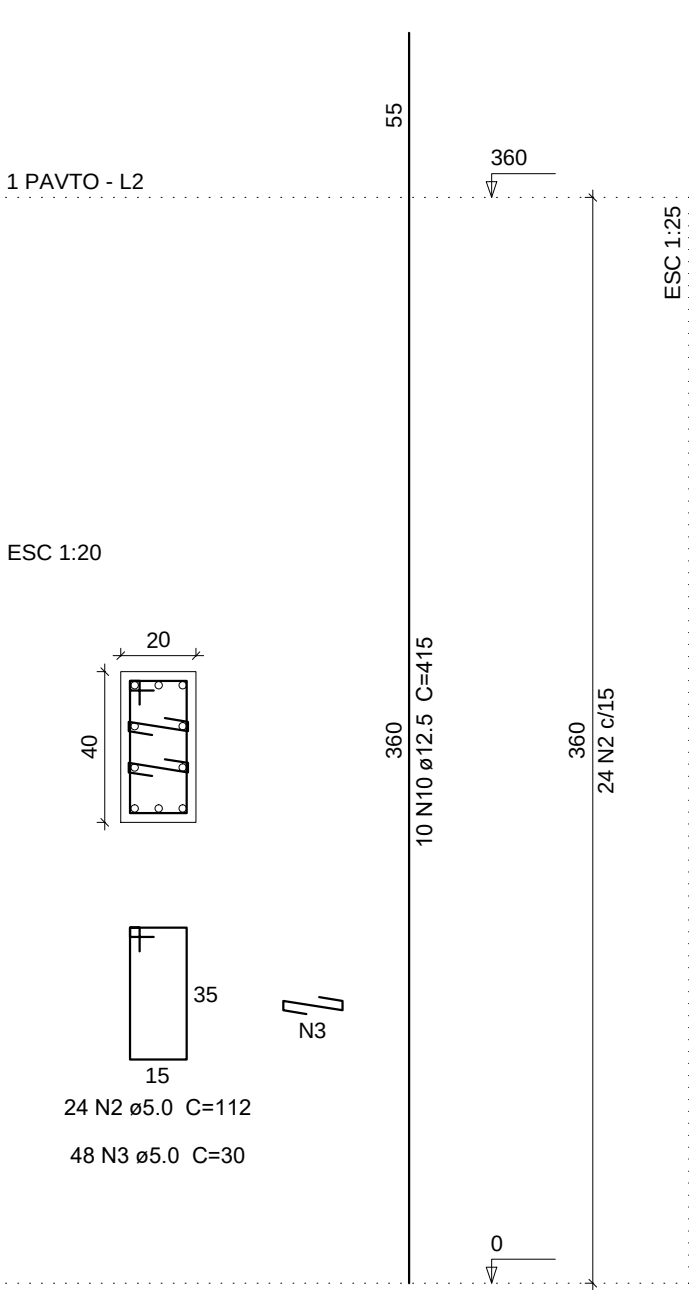
SEÇÃO A-A

ESC 1:25

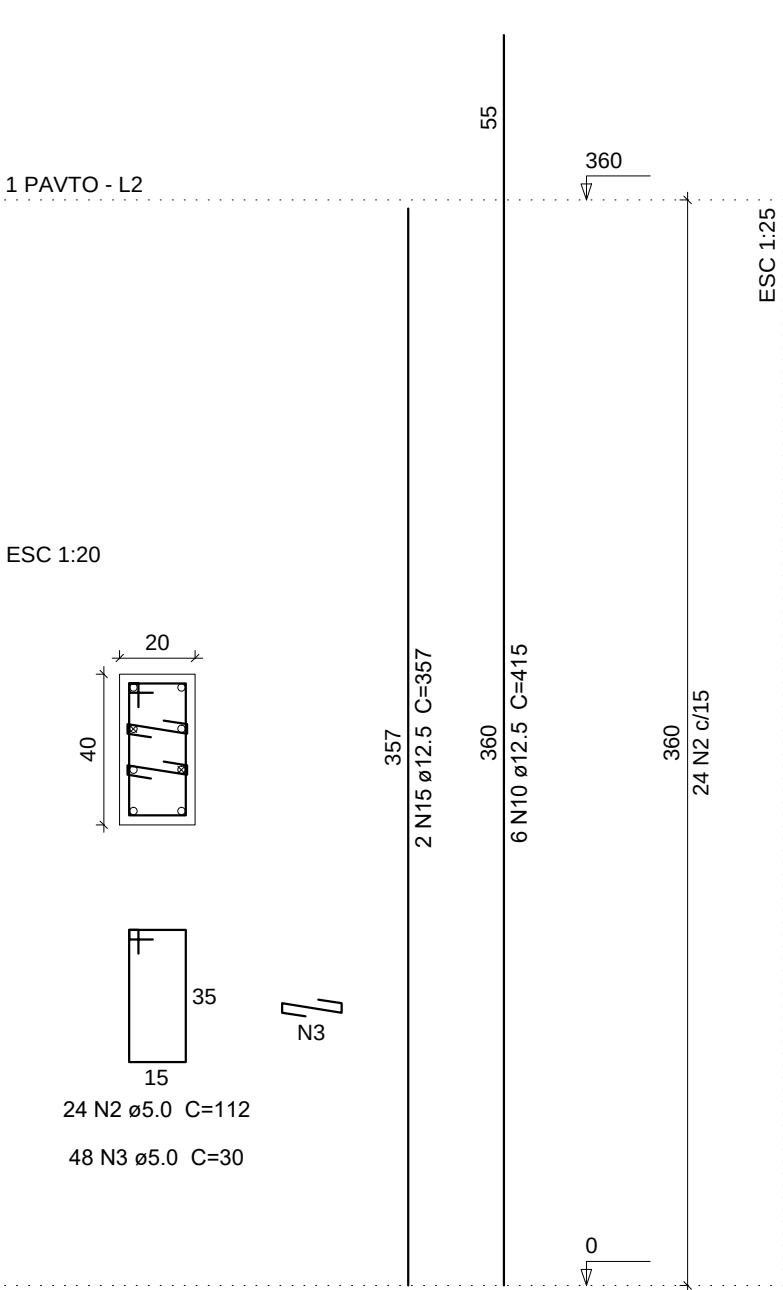


50 N1 ø5.0 C=142

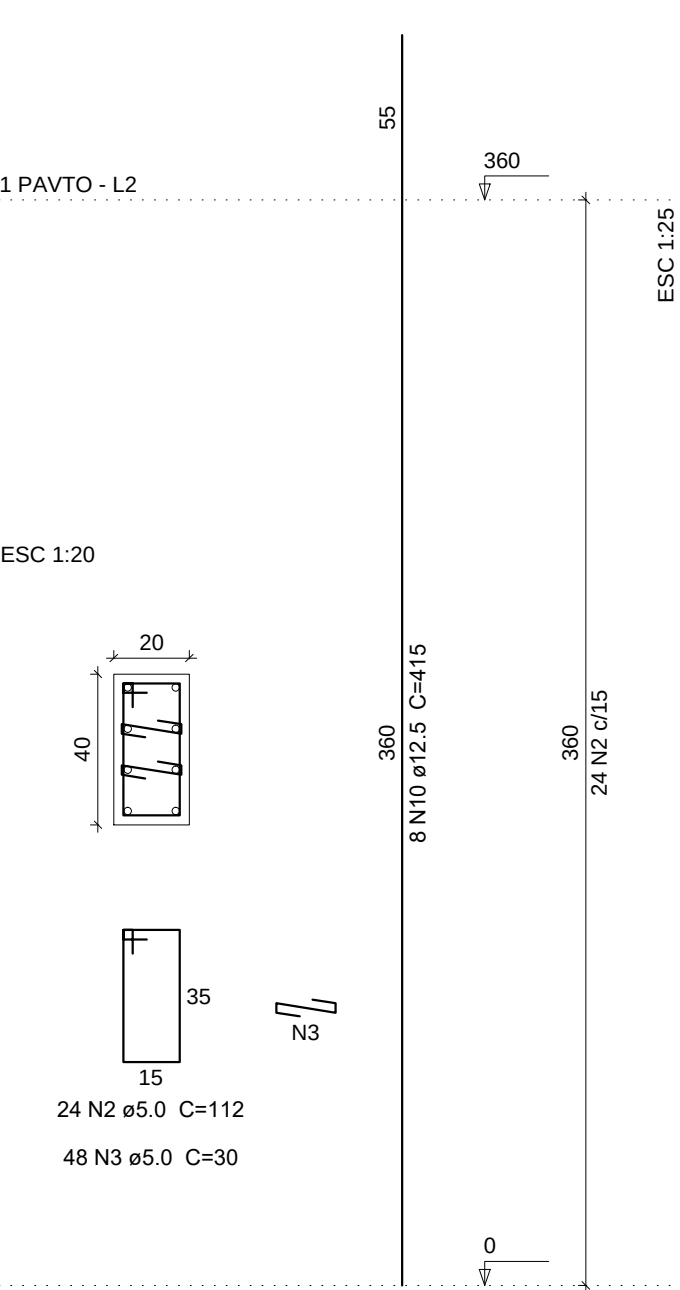
P17=P20



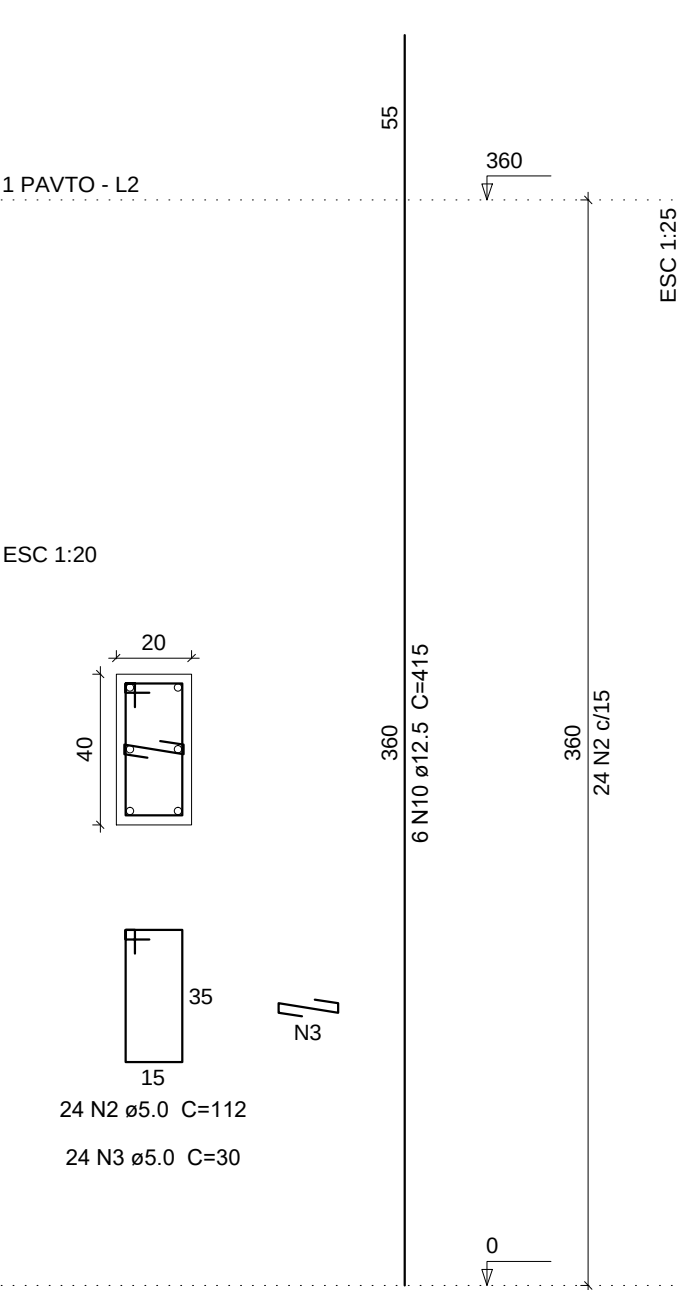
P18=P19



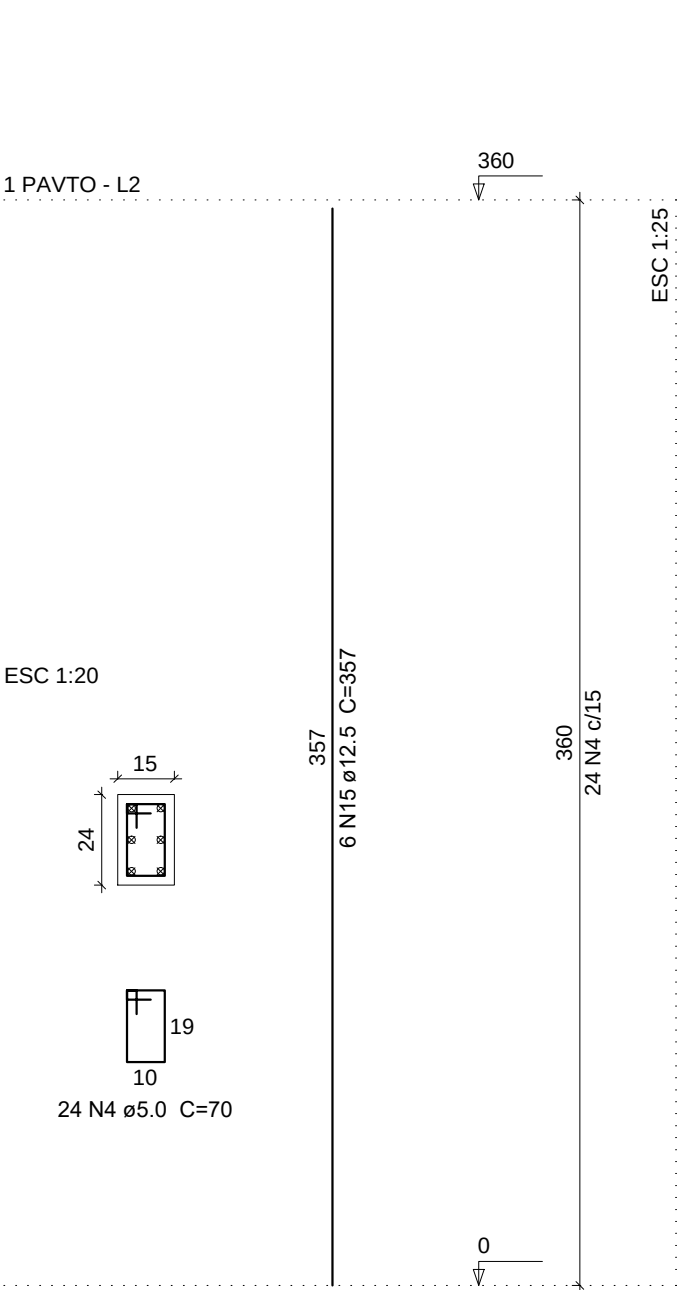
P3=P6



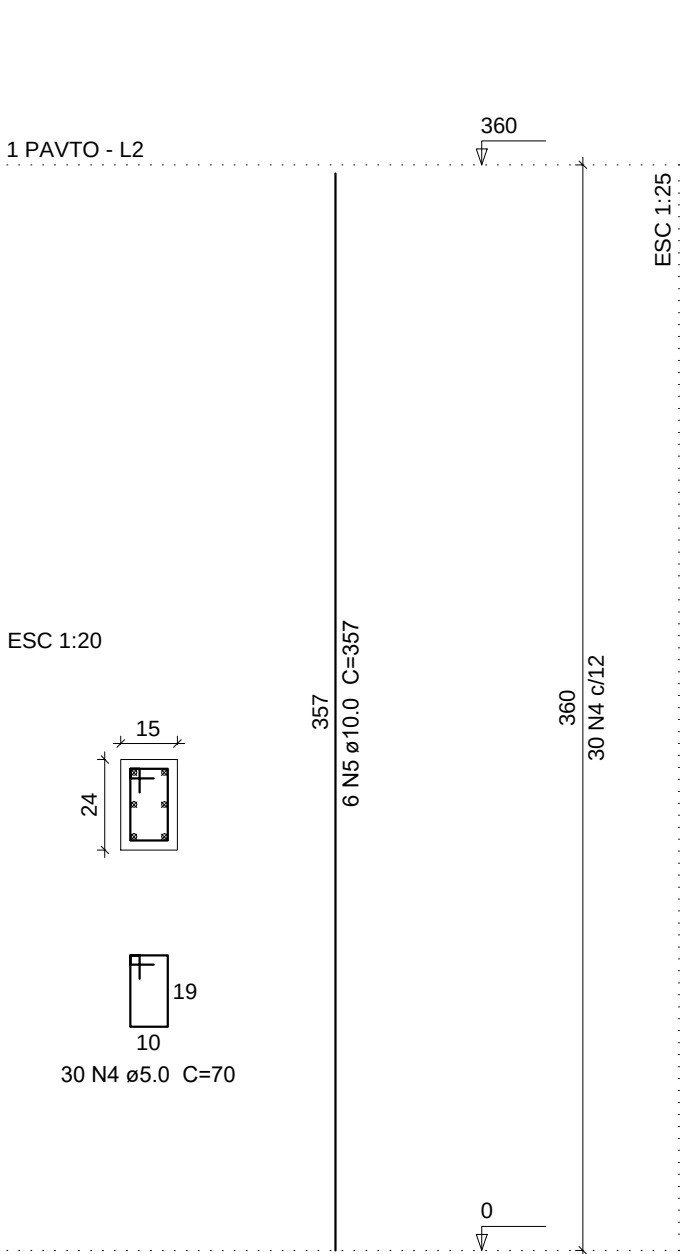
P4=P5=P12=P13



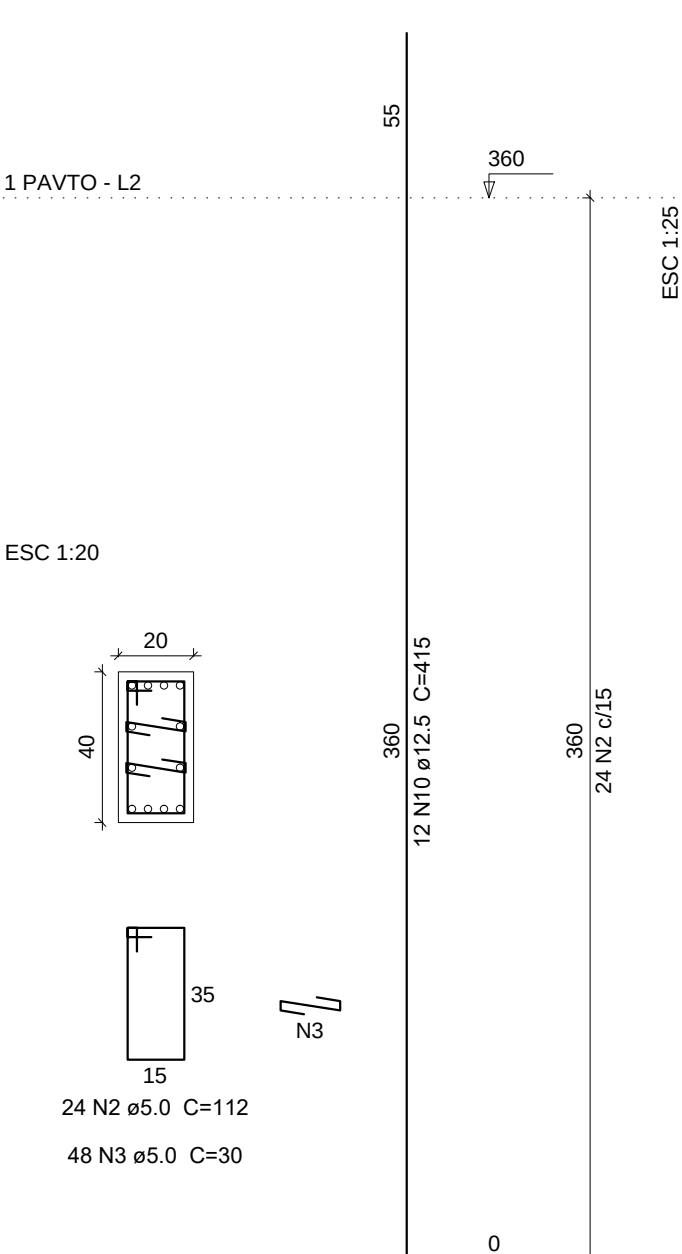
P7=P8=P9=P10



P1=P2=P15=P16



P11=P14



Relação do aço

AÇO	N	DIAM	Q	UNIT (cm)	C.TOTAL (cm)
4xP1	1	5.0	166	142	23572
4xP7	2	5.0	288	112	32256
2xP18	3	5.0	480	30	14400
V116	4	5.0	216	70	15120
CA50	5	10.0	24	357	8568
	6	12.5	6	1152	6912
	7	12.5	1	400	400
	8	12.5	8	1162	9296
	9	12.5	2	360	720
	10	12.5	96	415	39840
	11	12.5	2	1164	2328
	12	12.5	1	350	350
	13	12.5	2	1056	2112
	14	12.5	2	264	528
15	12.5	28	357		9996

Resumo do aço

AÇO	DIAM	C.TOTAL (m)	PESO + 10 % (kg)
CA50	10.0	85.7	58.1
CA60	12.5	724.9	768.1
CA60	5.0	853.5	144.7
PESO TOTAL			
CA50	826.2		
CA60	144.7		

Vol. de concreto total (C-20) = 8.27 m³
Área de forma total = 118.96 m²

PROJETO			
0A	12/01/2021	DJAP	EMIÇÃO INICIAL
REVISÃO	DATA	AUTOR	DESCRIÇÃO
IDENTIFICAÇÃO: PPG-2101-EST-EX-01-A1		ÁREA: 210.00 M2	
TÍTULO: PROJETO DE AMPLIAÇÃO DA E. M. PINGO DE GENTE		USO: ESCOLAR	
CONTEÚDO: ARMAÇÃO DOS PILARES DO 1 PAVTO; ARMAÇÃO DAS VIGAS V114, V115, V116		ART Nº:	
		ESCALA: INDICADA	
RESPONSÁVEIS			
PROPRIETÁRIO:		CNPJ: 17.980.392/0001-03	
PREFEITURA MUNICIPAL DE PIRACEMA-MG			
RESPONSÁVEL TÉCNICO:		CREA/MG: 201.765/D	
DOUGLAS JUNIO ALCANTARA PENA			
COMO RT DECLARO QUE O PROJETO ORA APRESENTADO ATENDE A LEGISLAÇÃO VIGENTE			



TIPO: NOME ARQUIVO:
PPG-EST-EX-01

FOLHA:
06/08