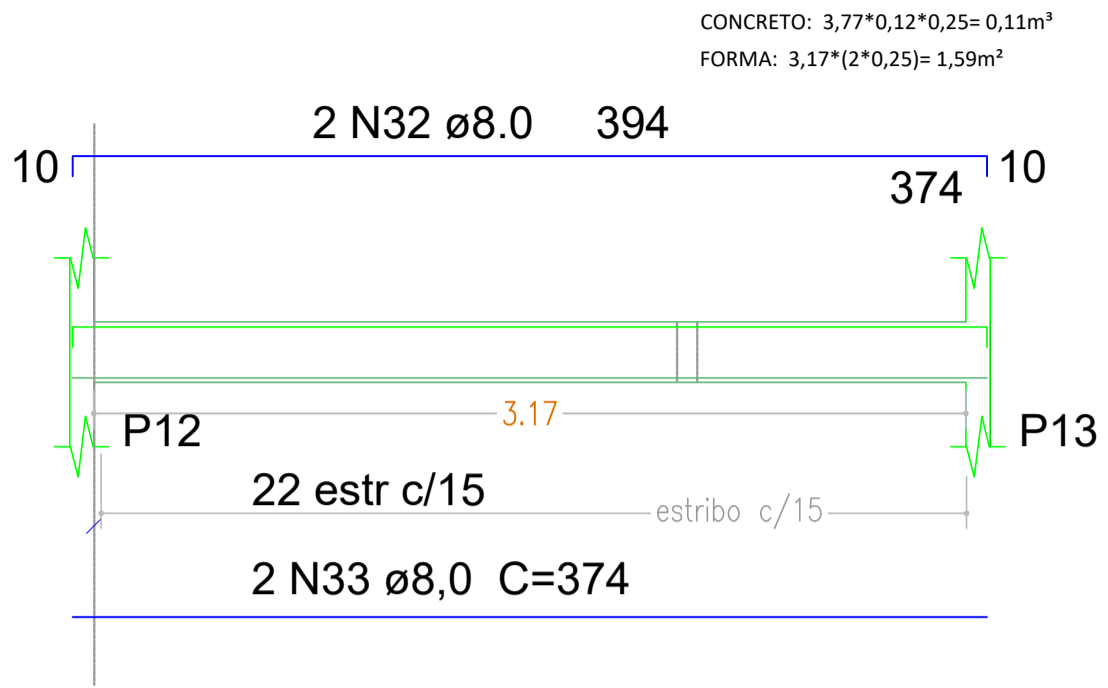
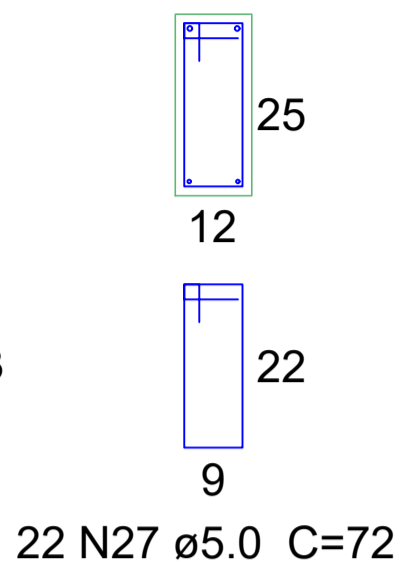


VIGA NÍVEL FORRO (12 x 25)
V9
3,77m

ESC 1:50



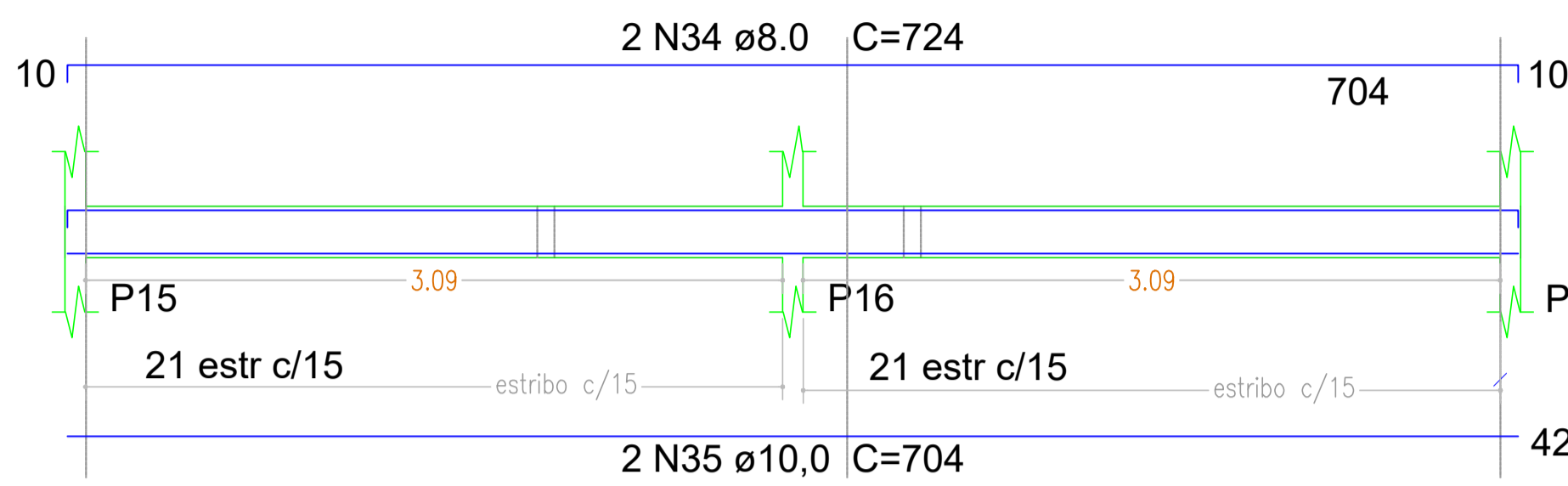
SEÇÃO A-A
ESC 1:25



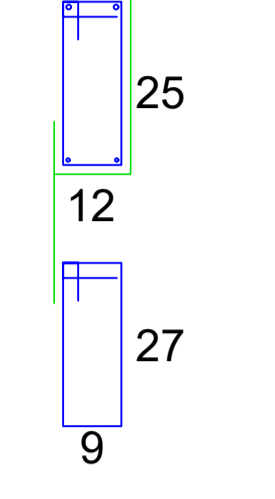
CONCRETO: 3,77*0,12*0,25= 0,11m³
FORMA: 3,17*(2*0,25)= 1,59m²

VIGA NÍVEL FORRO (12 x 25)
V10
7,07m

ESC 1:50



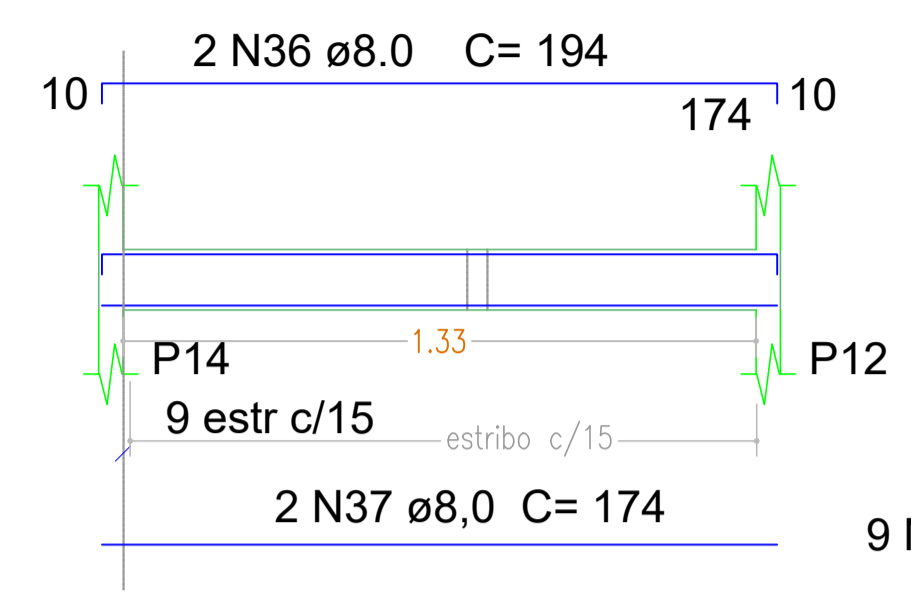
SEÇÃO A-A
ESC 1:25



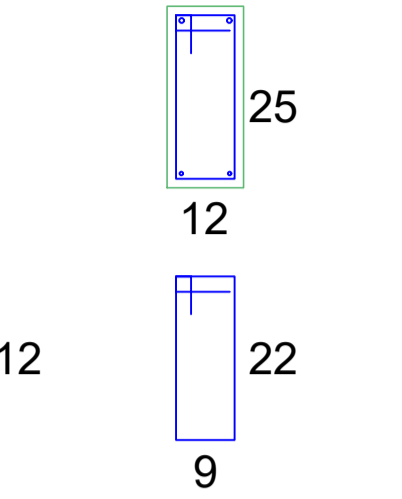
CONCRETO: 7,07*0,12*0,25= 0,22m³
FORMA: 2*(3,09*2*0,25)= 3,09m²

VIGA NÍVEL FORRO (12 x 25)
V11
1,77m

ESC 1:50



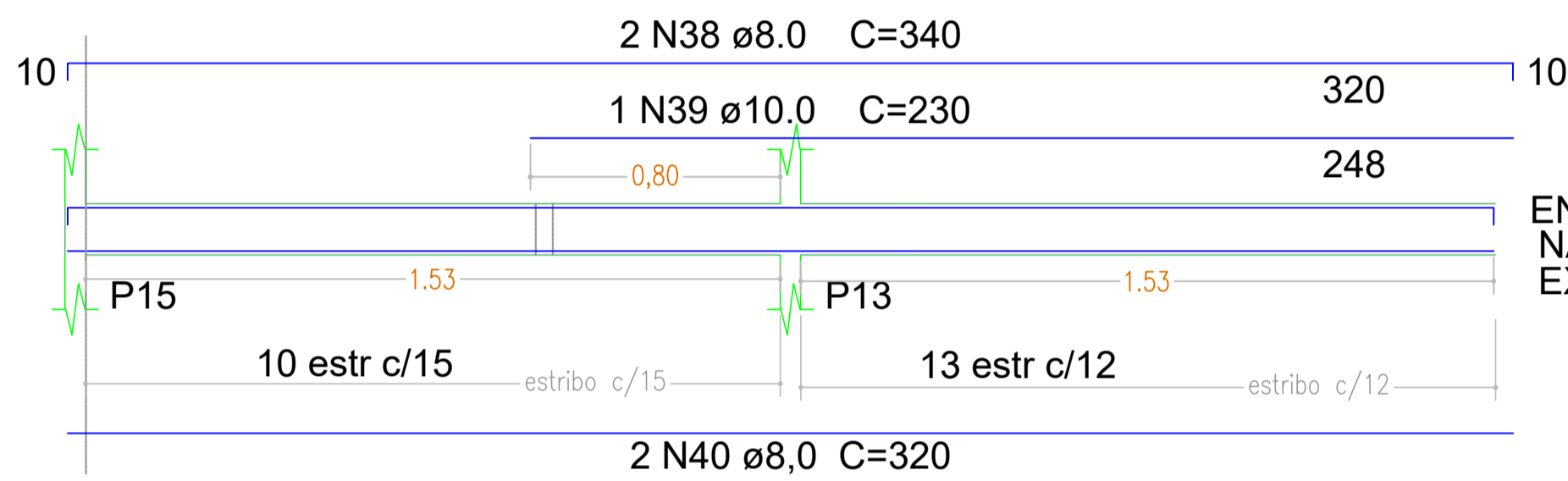
SEÇÃO A-A
ESC 1:25



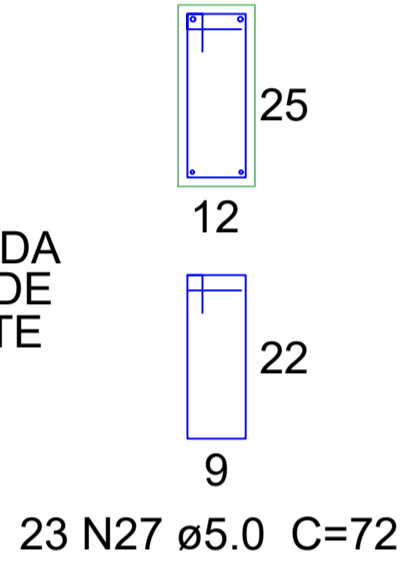
CONCRETO: 1,77*0,12*0,25= 0,05m³
FORMA: 1,33*2*0,25= 0,67m²

VIGA NÍVEL FORRO (12 x 25)
V12
3,23m

ESC 1:50



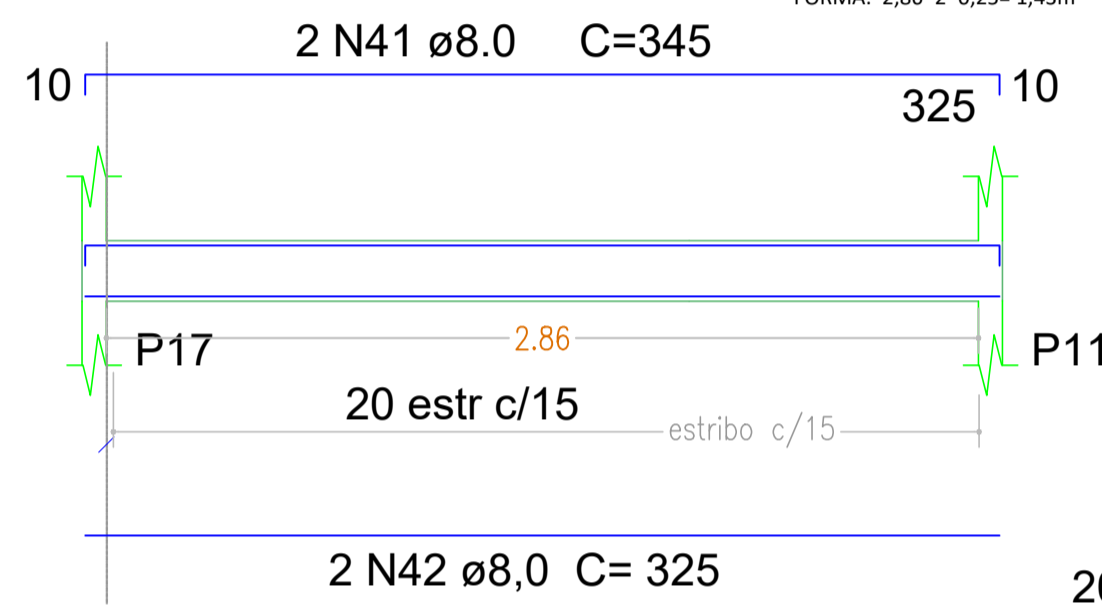
SEÇÃO A-A
ESC 1:25



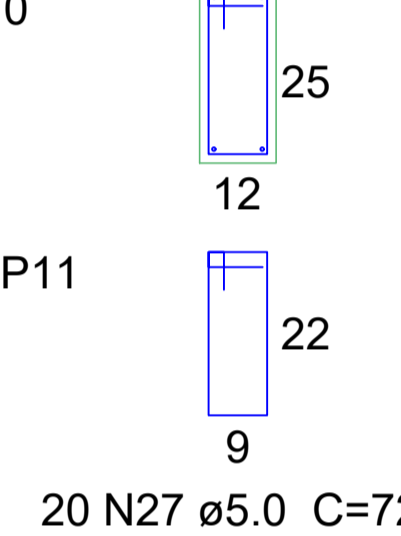
CONCRETO: 3,23*0,12*0,25= 0,10m³
FORMA: 2*(1,53*2*0,25)= 1,53m²

VIGA NÍVEL FORRO (12 x 25)
V13
3,28m

ESC 1:50



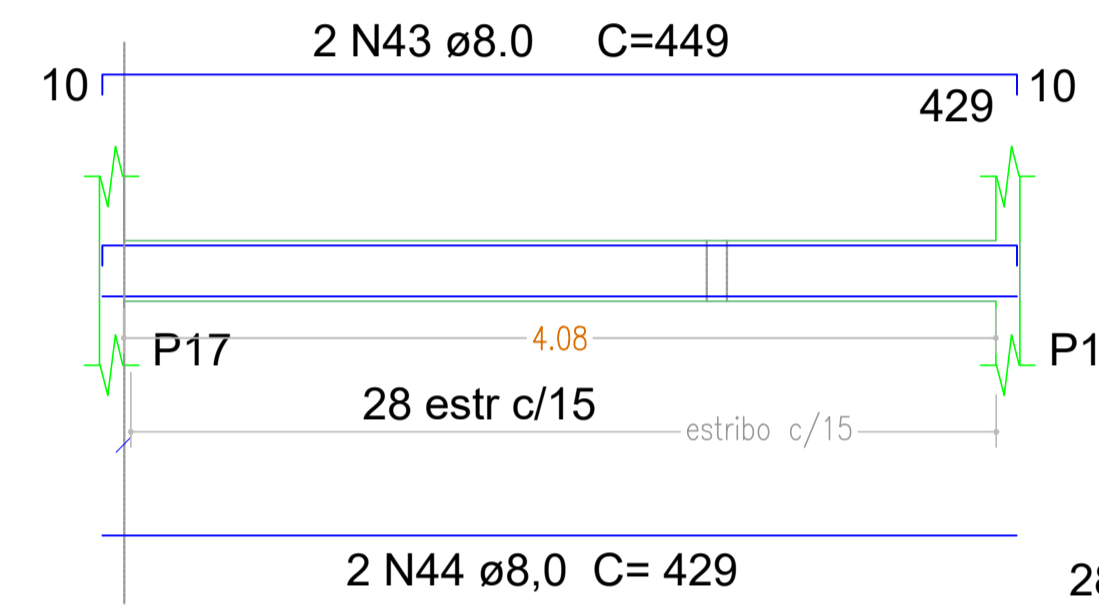
SEÇÃO A-A
ESC 1:25



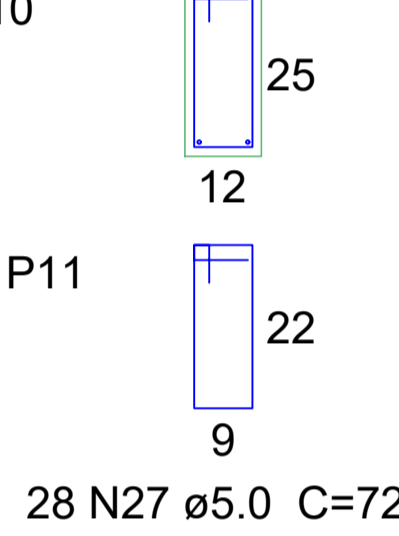
CONCRETO: 3,28*0,12*0,25= 0,01m³
FORMA: 2,86*2*0,25= 1,43m²

VIGA NÍVEL FORRO (12 x 25)
V14
4,32m

ESC 1:50



SEÇÃO A-A
ESC 1:25

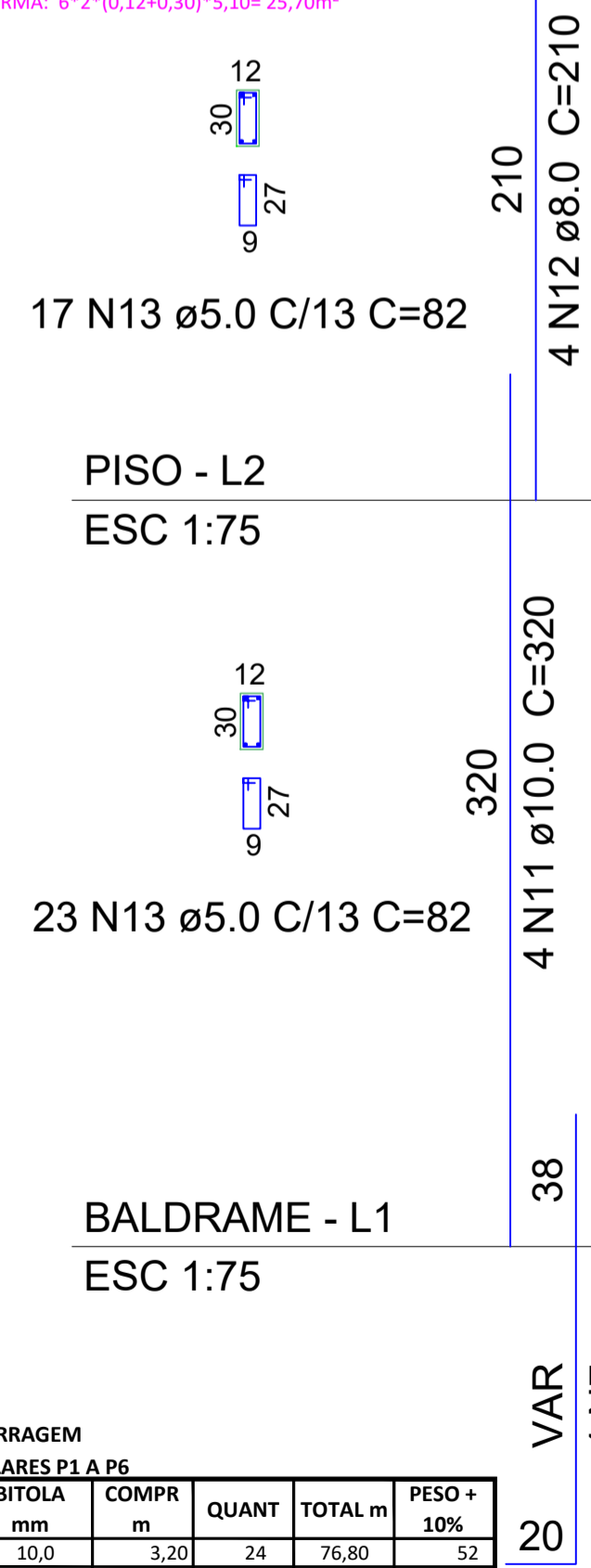


CONCRETO: 4,32*0,12*0,25= 0,13m³
FORMA: 4,08*(0,12+2*0,30)= 2,94m²

ENGASTADA NA PAREDE EXISTENTE

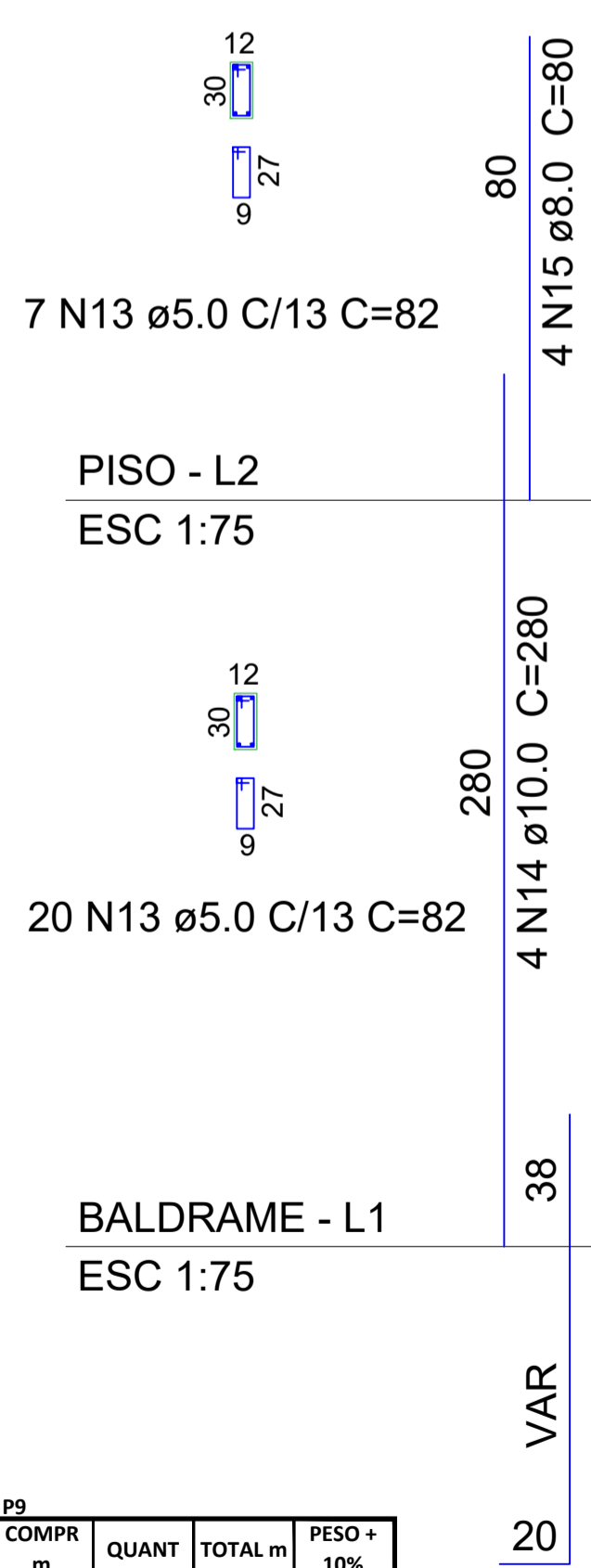
17 PILARES 12X30
PI A P6
5,10m

CONCRETO: 6*0,12*0,30*5,10= 1,10m³
FORMA: 6*2*(0,12+0,30)*5,10= 25,70m²



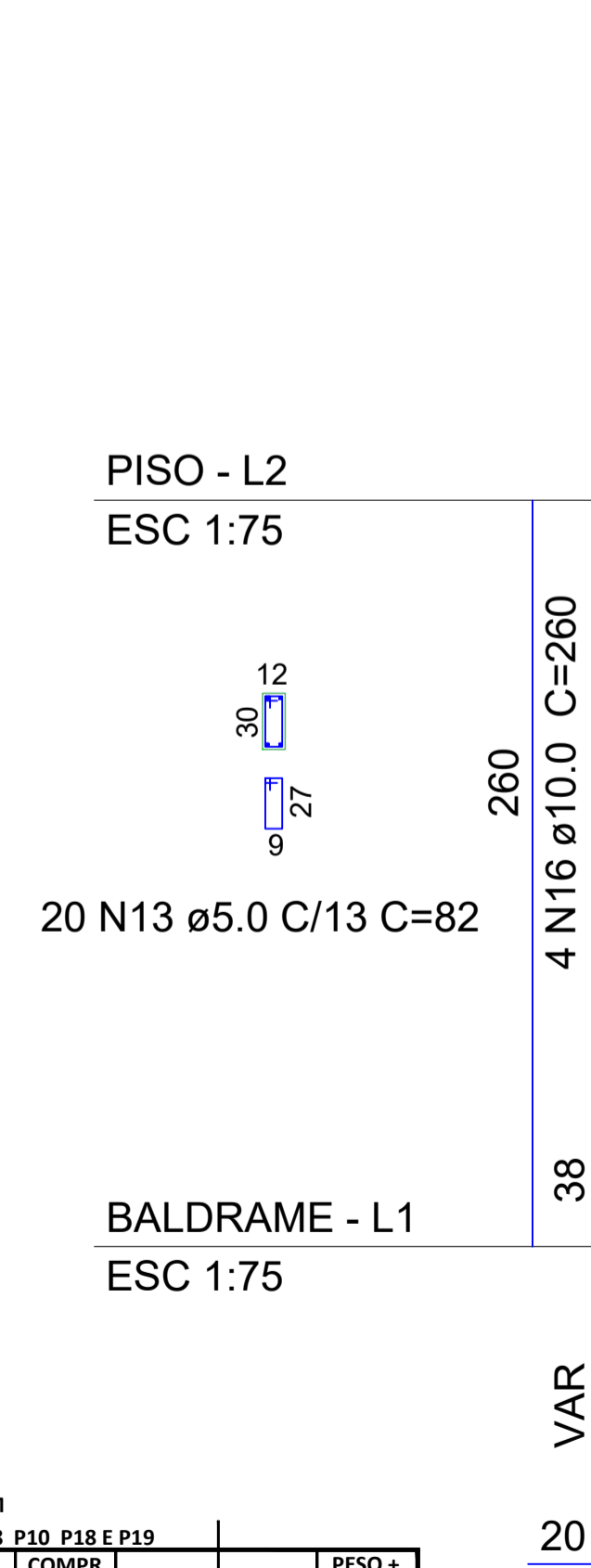
P7 E P9 3,60m

CONCRETO: 2*0,12*0,30*3,60= 0,26m³
FORMA: 2*2*(0,12+0,30)*3,60= 6,05m²



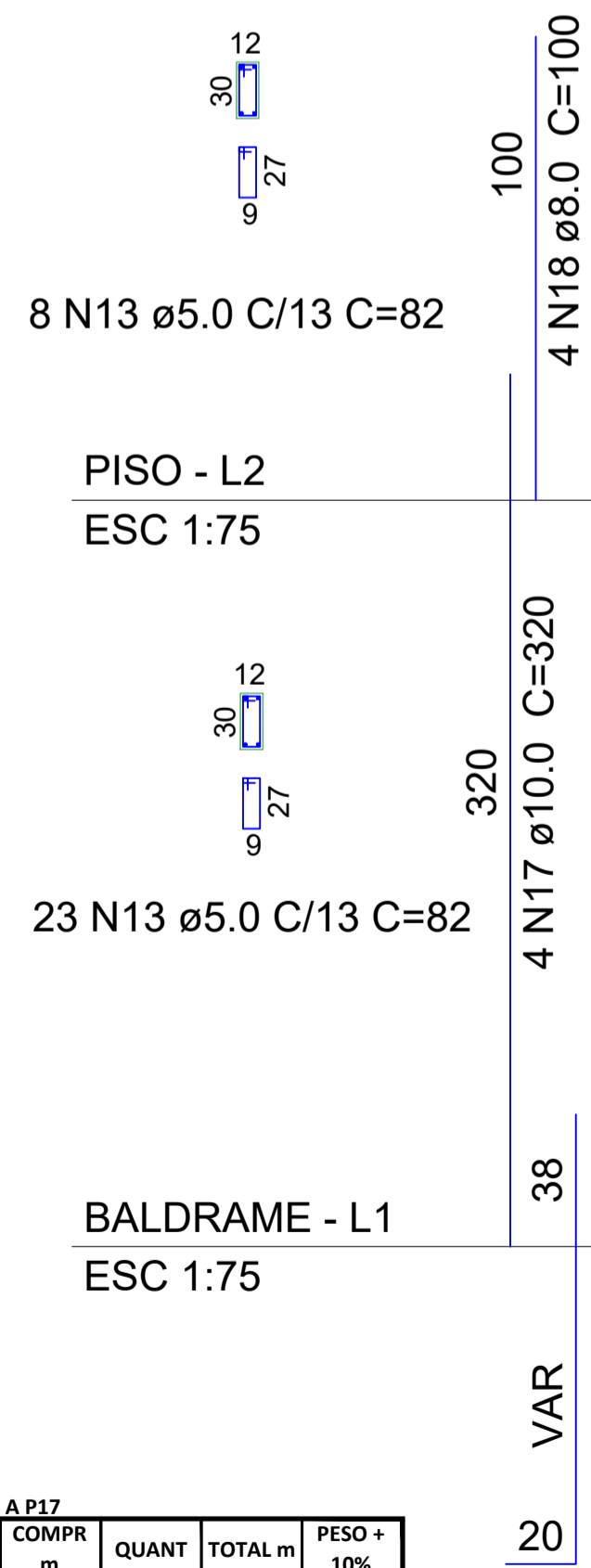
P8, P10, P18 E P19 2,60m

CONCRETO: 4*0,12*0,30*2,60= 0,38m³
FORMA: 4*2*(0,12+0,30)*2,60= 8,80m²



P11 A P17 4,00m

CONCRETO: 17*0,12*0,30*4,00= 2,45m³
FORMA: 2*2*(0,12+0,30)*4,00= 6,72m²



FERRAGEM PILARES P1 A P6

POSICÃO	BITOLA mm	COMPR m	QUANT	TOTAL m	PESO + 10%
N11	10,0	3,20	24	76,80	52
N12	8,0	2,10	24	50,40	22
N13	8,0	0,82	76	62,32	11

FERRAGEM PILARES P7 E P9

POSICÃO	BITOLA mm	COMPR m	QUANT	TOTAL m	PESO + 10%
N14	10,0	2,80	8	22,40	15
N15	8,0	0,80	8	6,40	3
N13	8,0	0,82	54	44,28	7

FERRAGEM PILARES P8 P10 P18 E P19

POSICÃO	BITOLA mm	COMPR m	QUANT	TOTAL m	PESO + 10%
N16	10,0	2,60	16	41,60	28
N13	5,0	0,82	40	32,80	6

FERRAGEM PILARES P11 A P17

POSICÃO	BITOLA mm	COMPR m	QUANT	TOTAL m	PESO + 10%
N17	10,0	3,20	28	89,60	61
N18	8,0	1,00	28	28,00	12
N13	5,0	0,82	161	132,00	22

PREFEITURA



Fones: (34) 3231-3847
99194-1108
Email: daisypaim@gmail.com

Rua Alexandre Martins Marquez, 397
Vigilato Pereira
UBERLÂNDIA - MG

ENDEREÇO DA OBRA:
AV. TEODOMIRO MARTINS PRUDENTE
BAIRRO NOVA ESPERANÇA - TUPACIGUARA - MG

OBRA : **REFORMA DO PRÉDIO DO CRAS**
PROJETO: **ESTRUTURAL DE CONCRETO ARMADO**

Declaro, para todos os fins de direito, que recebi estes projetos e que a obra será executada estritamente de acordo com eles. Qualquer alteração deverá ser previa e expressamente autorizada pelo autor, sem o que invalida todos os projetos, bem como as responsabilidades técnicas.

ÁREAS:
TERRENO:
A CONSTRUIR:
TAXA DE OCUPAÇÃO:
ÁREA PERMEÁVEL:
PADRÃO CONFORME NBR 12.721/06:

PROPRIETÁRIO:
RESP. TÉCNICO:
Projeto: _____
A.R.T.: _____
Execução: _____
A.R.T.: _____
Nome: PREFEITURA MUNICIPAL DE TUPACIGUARA
CPF: 18.260.489/0001-04

CONTEÚDO: **NÍVEL FORRO E PILARES**
FORMA, ARMAÇÃO DE VIGAS

Data: 30/Jul/2022
Projeto: _____
Escalas indicadas: _____
Folha: 04/05
Desenho: DPSansoni