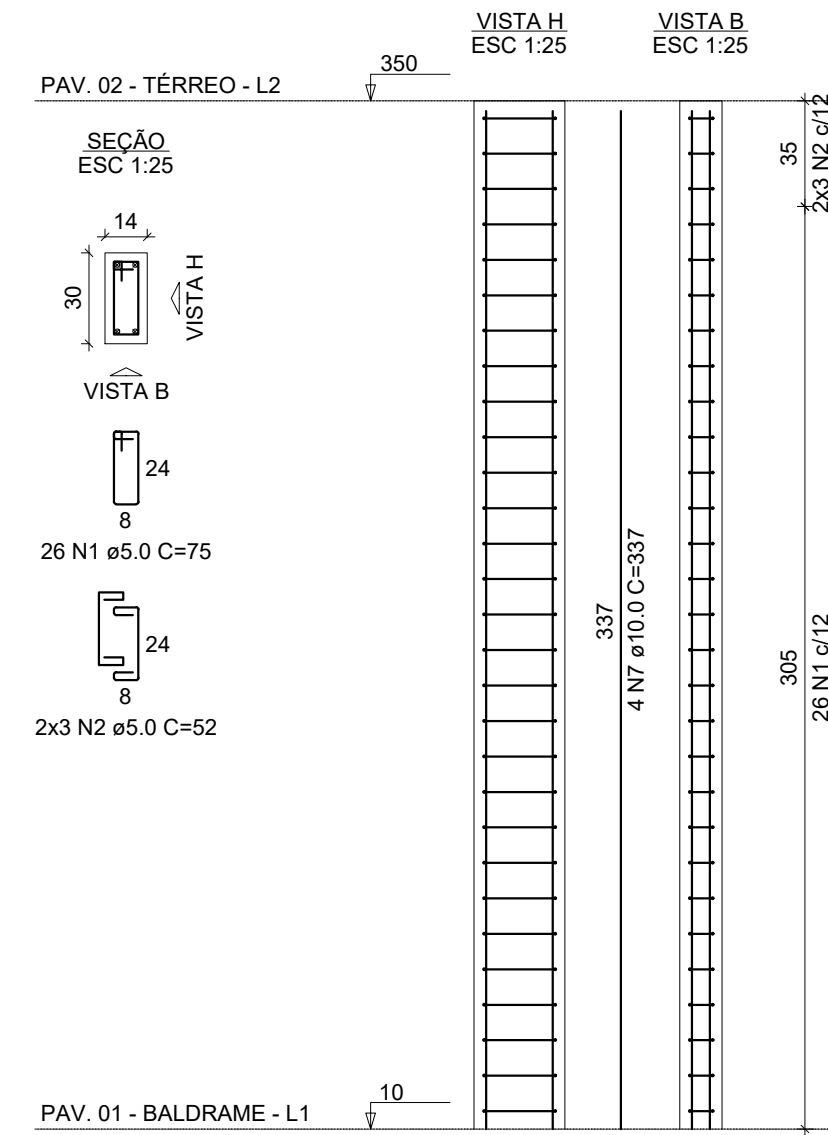
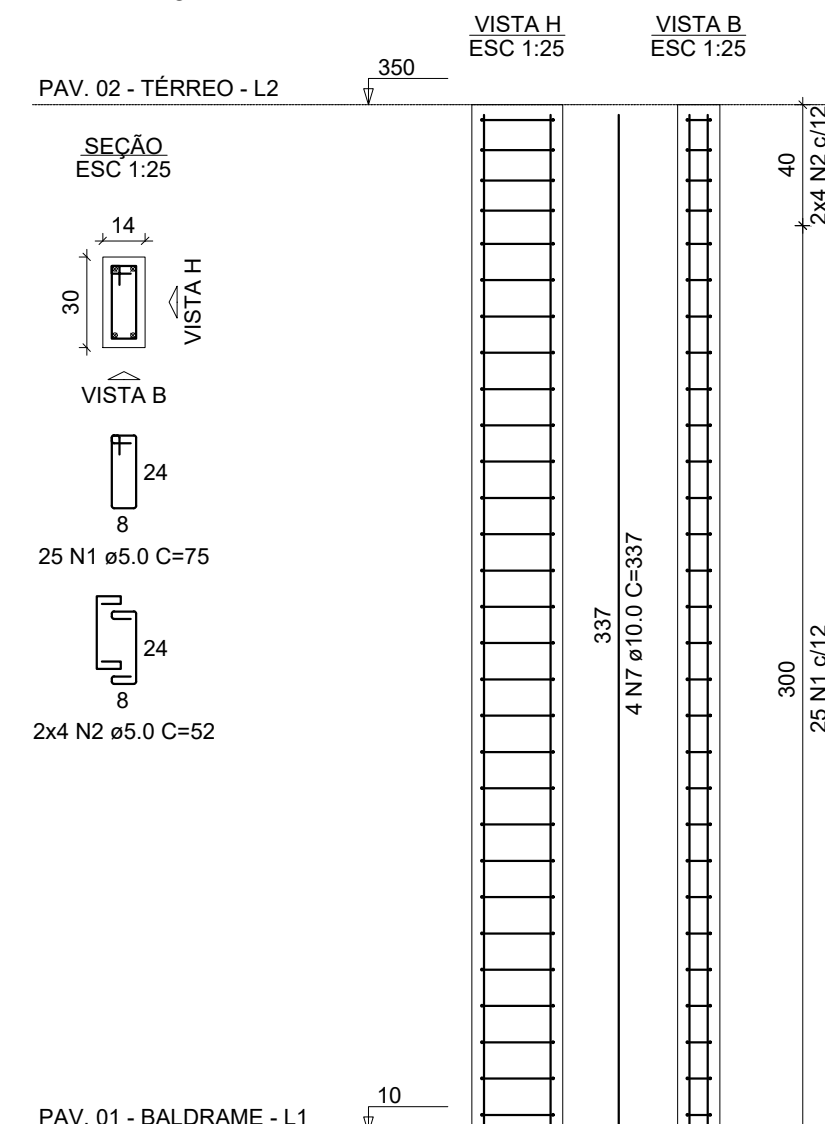


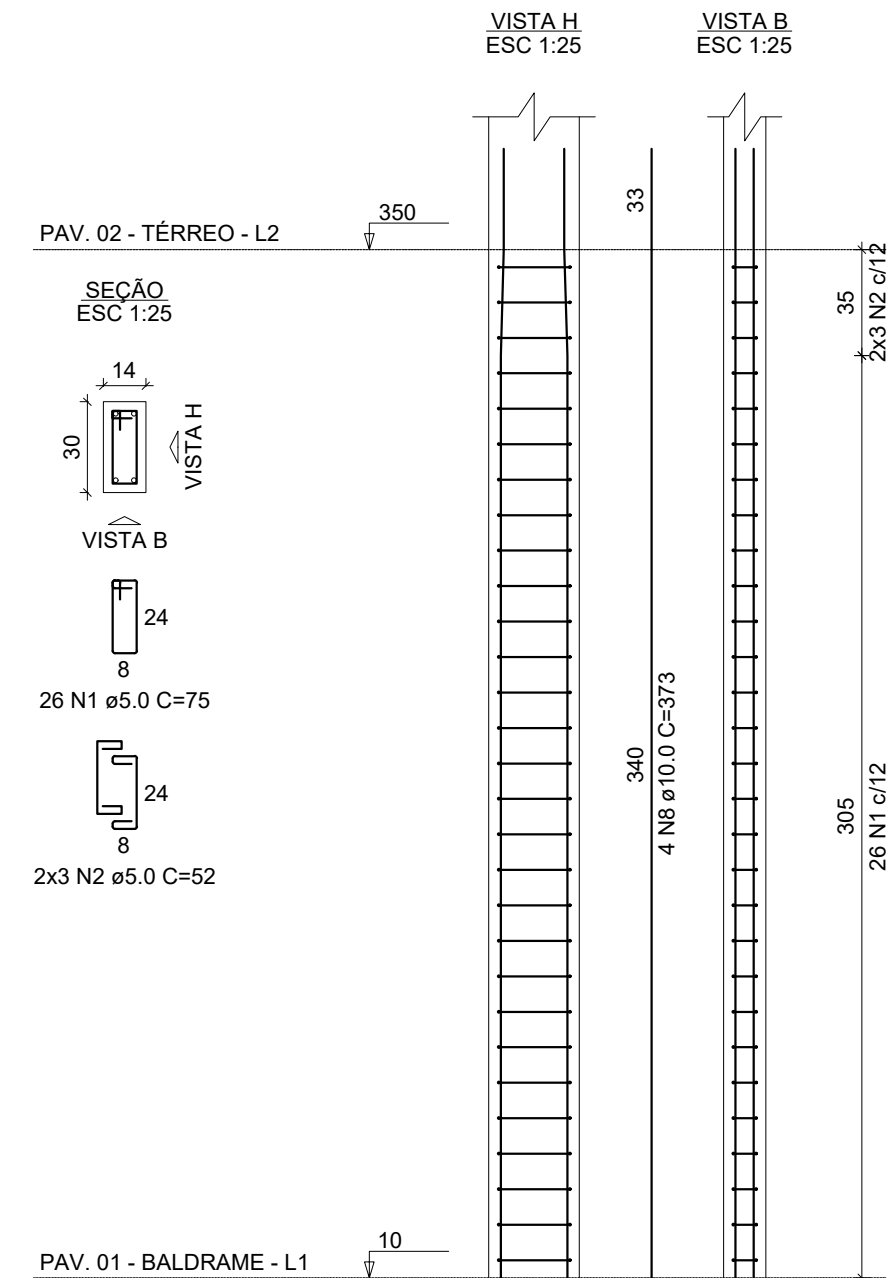
P4=P5=P9=P10=P23



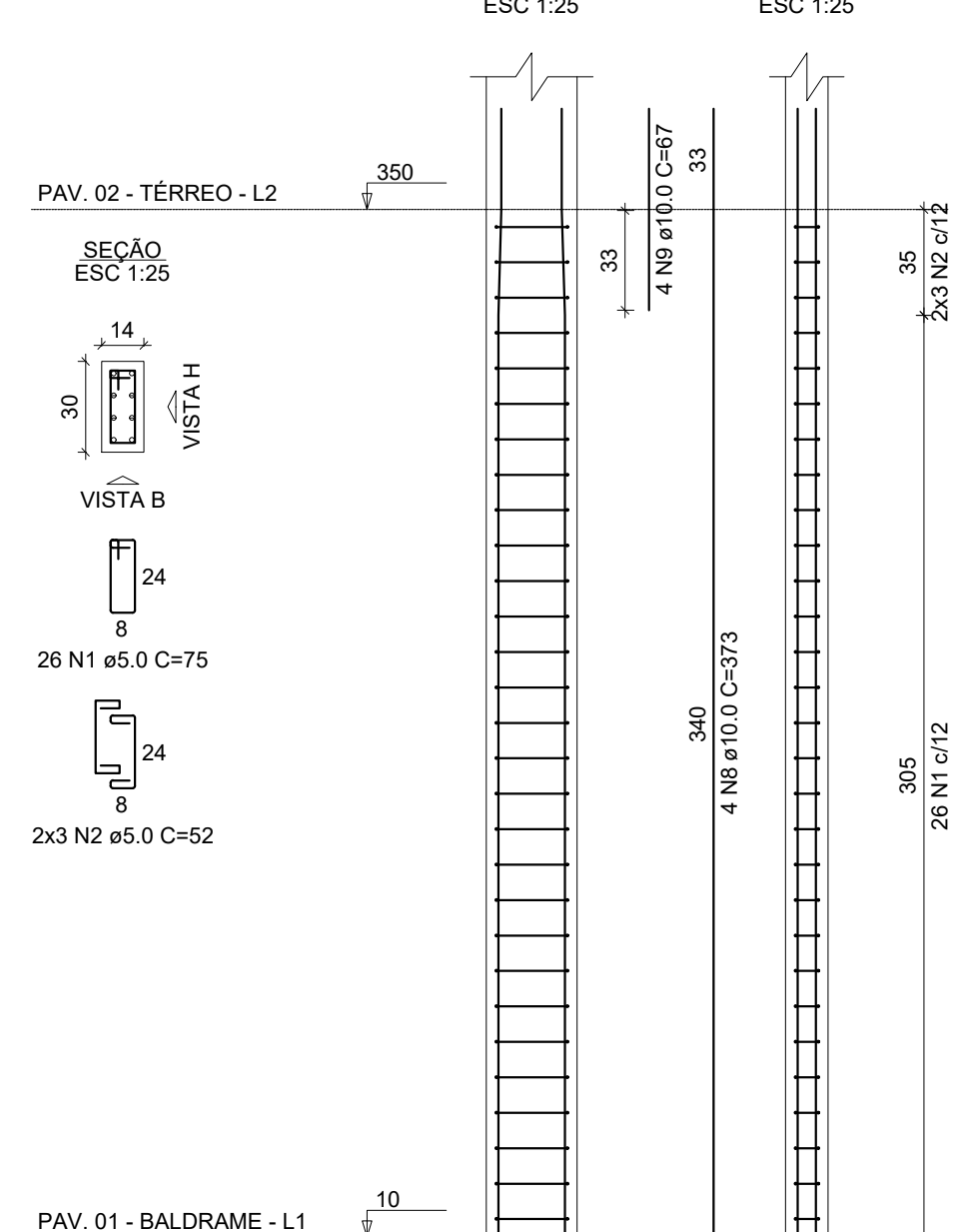
P7=P8=P12=P13=P19=P21=  
=P22=P29



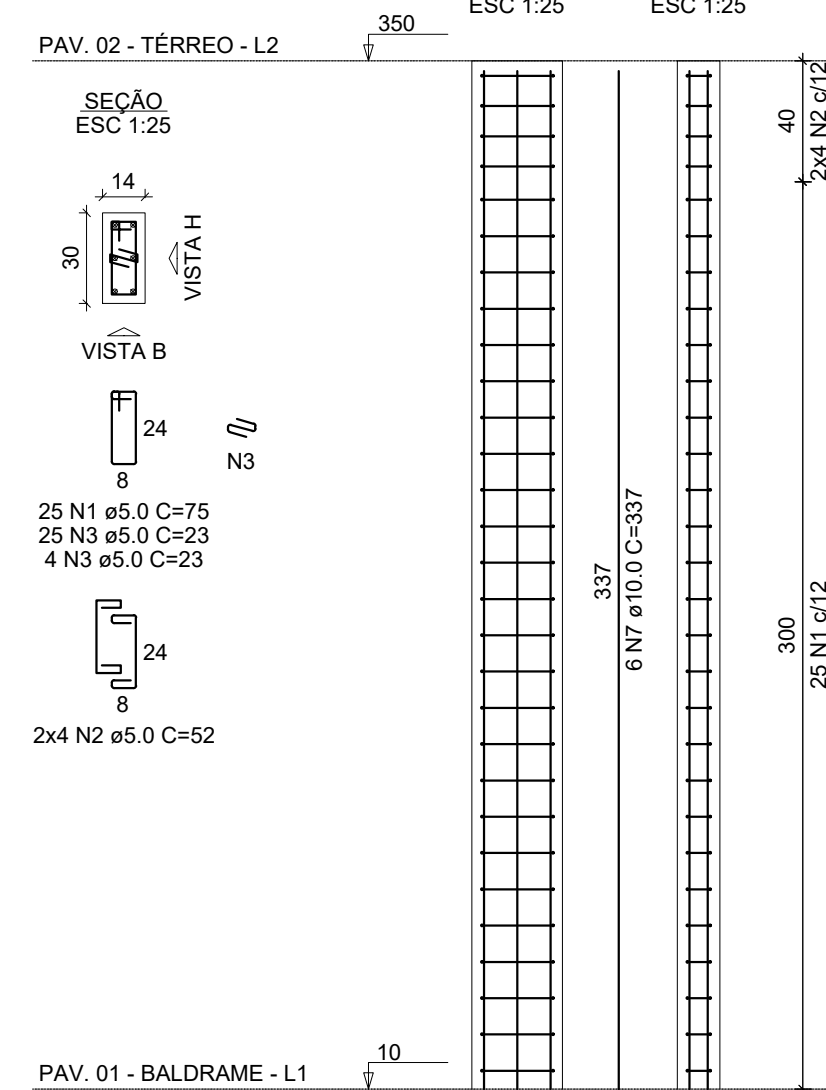
P14=P15=P16



P17



P20



RELAÇÃO DO AÇO

5xP4 P17 P25	8xP7 P20 2xP26	3xP14 P24 P27
CA60	CA50	CA60
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17
18	18	18
19	19	19
20	20	20
21	21	21
22	22	22
23	23	23
24	24	24
25	25	25
26	26	26
27	27	27
28	28	28
29	29	29
30	30	30
31	31	31
32	32	32
33	33	33
34	34	34
35	35	35
36	36	36
37	37	37
38	38	38
39	39	39
40	40	40
41	41	41
42	42	42
43	43	43
44	44	44
45	45	45
46	46	46
47	47	47
48	48	48
49	49	49
50	50	50

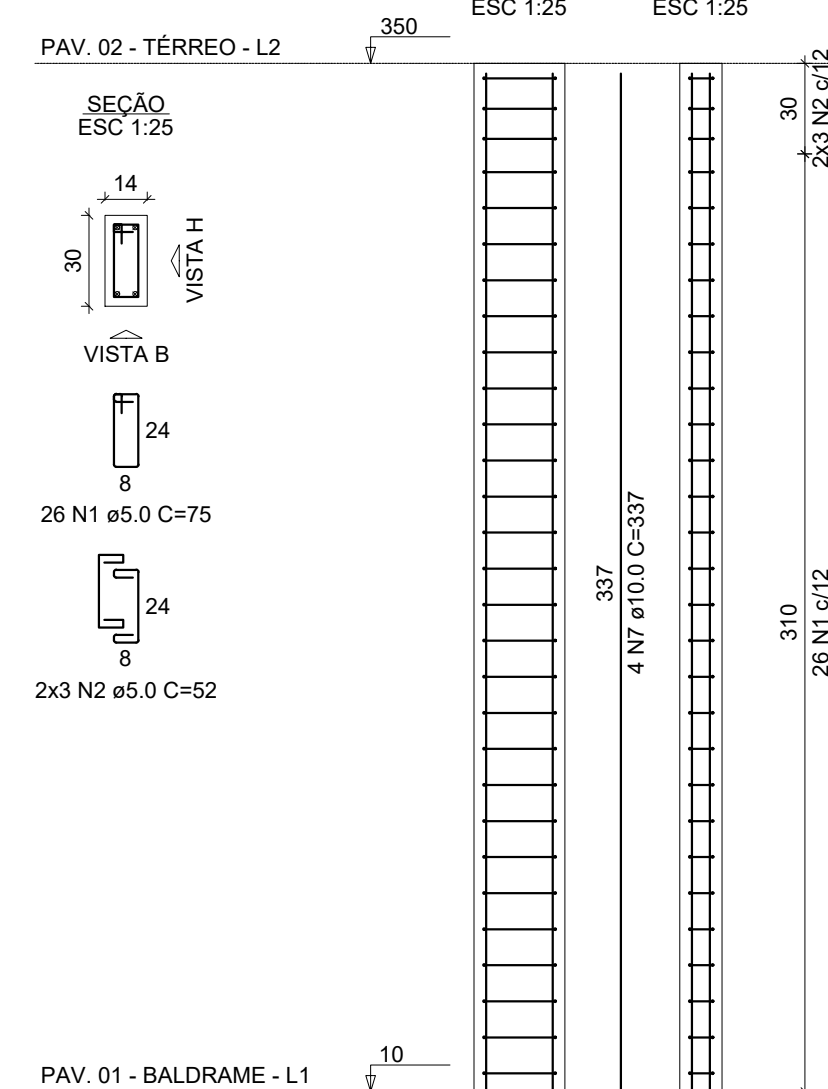
RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	311.7	211.4
CA60	12.5	53.9	57.1
	5.0	553.4	93.8

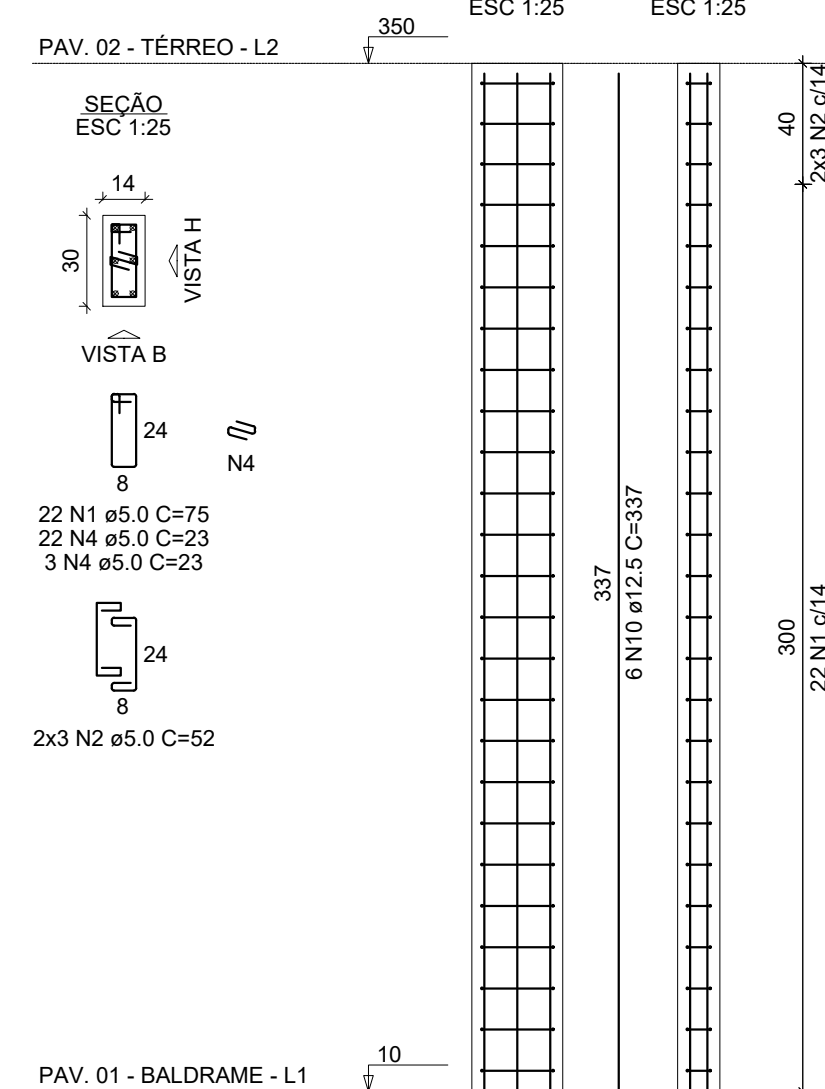
PESO TOTAL (kg)  
CA50 288.6  
CA60 93.8

Volume de concreto (C-30) = 3.33 m³  
Área de forma = 69.50 m²

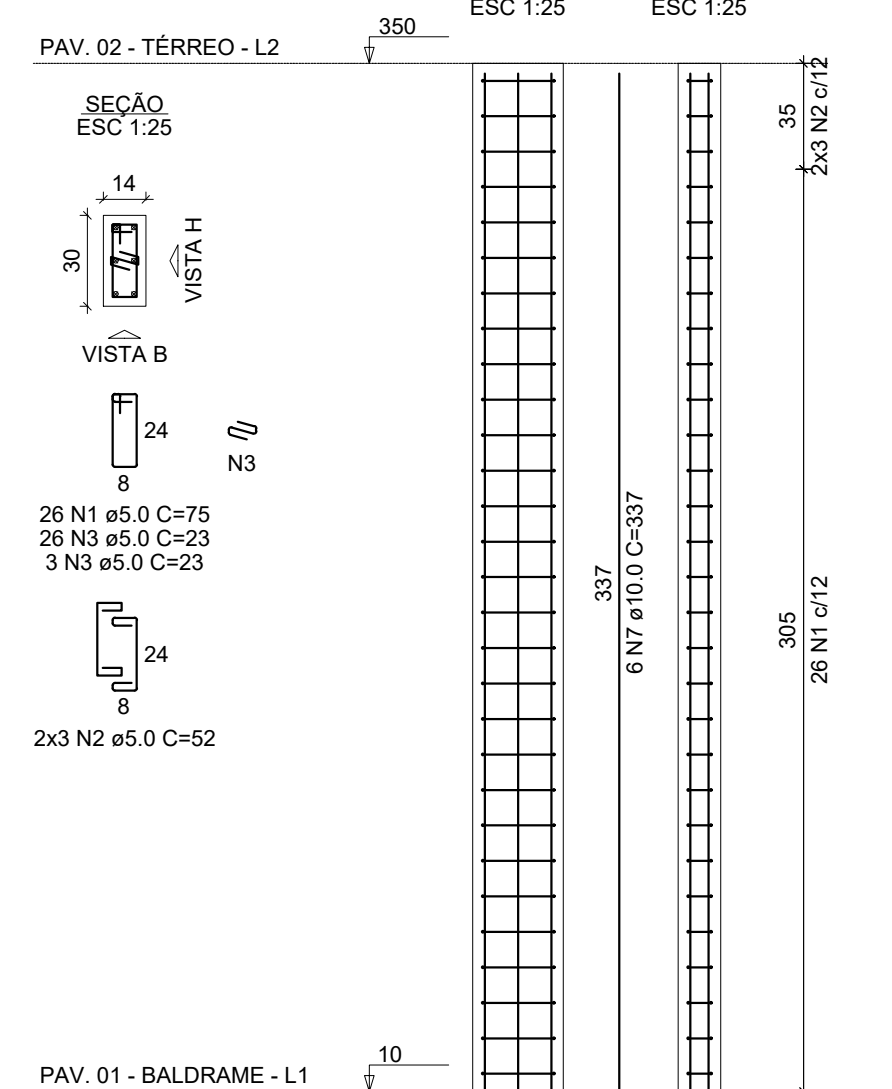
P24



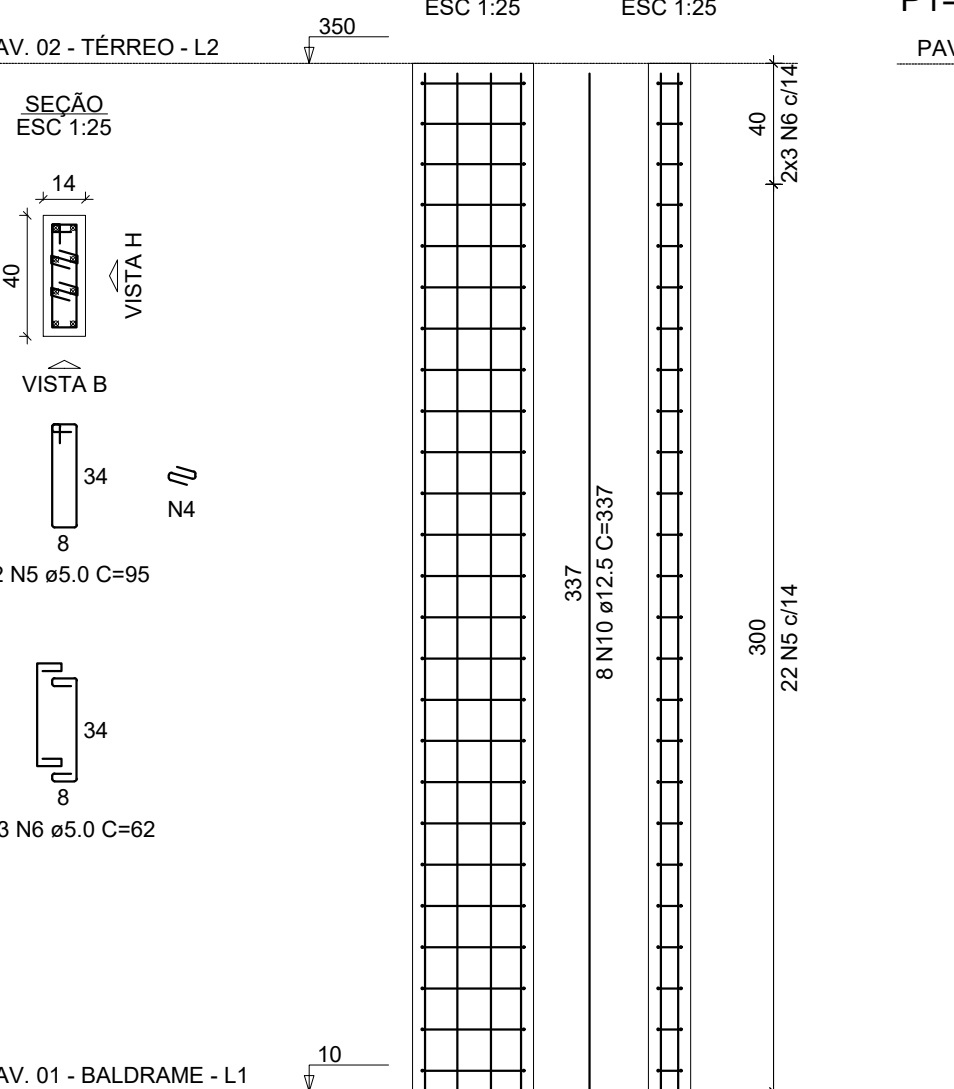
P25



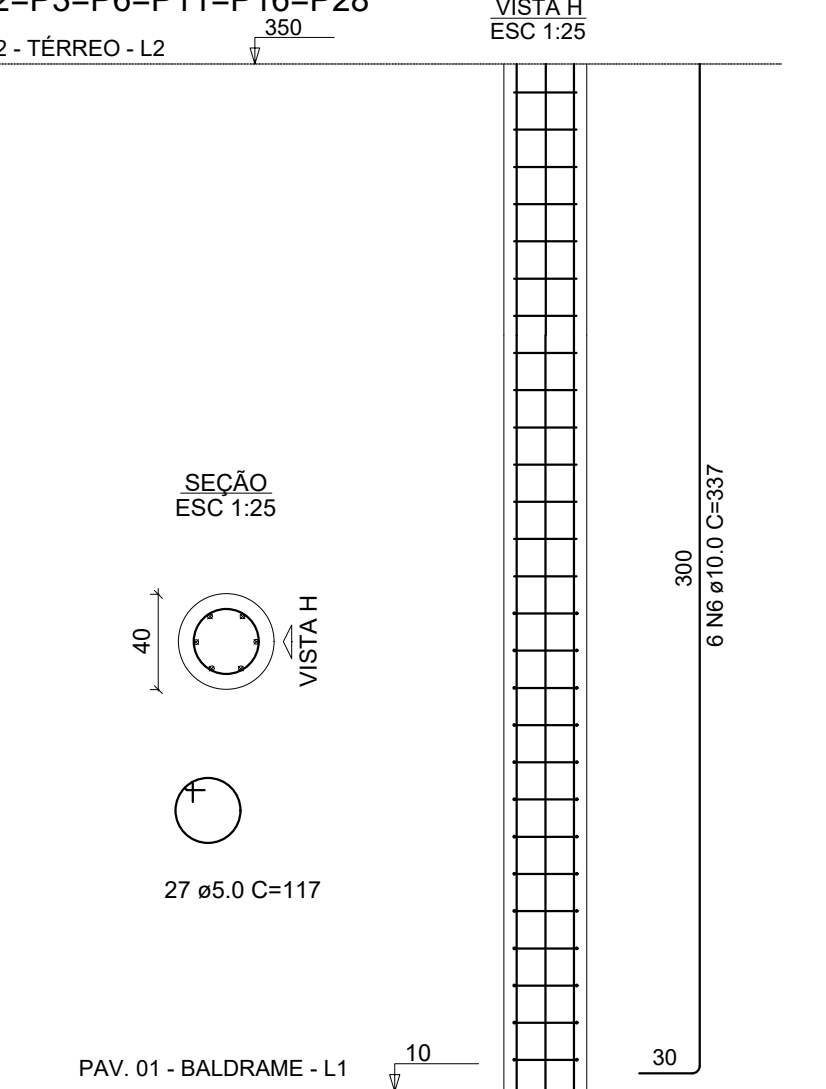
P26=P30



P27

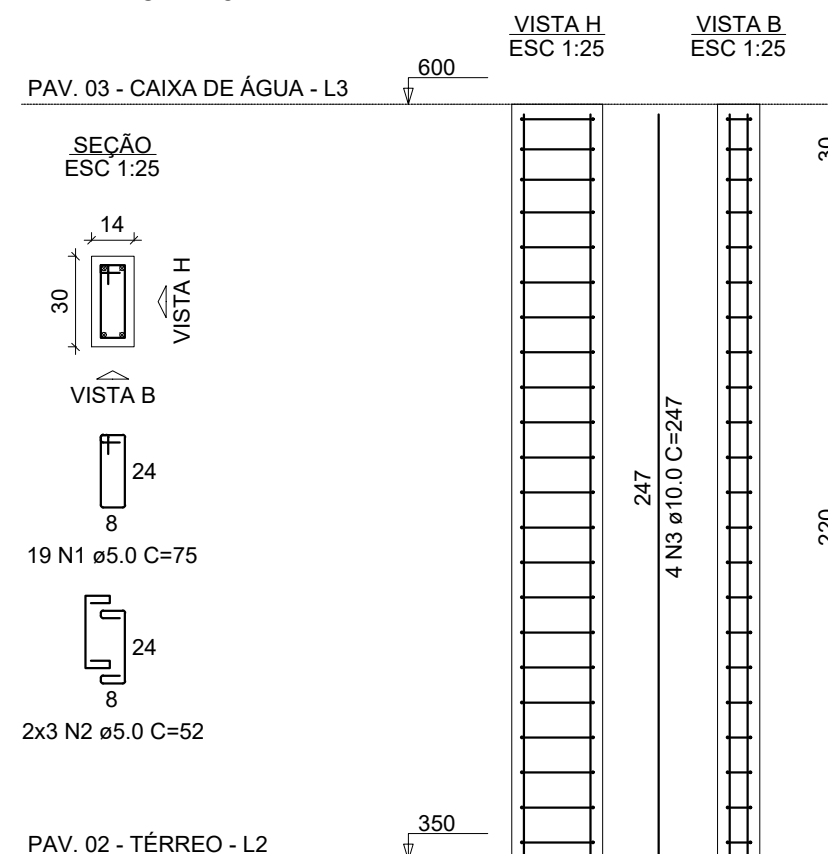


P1=P2=P3=P6=P11=P16=P28

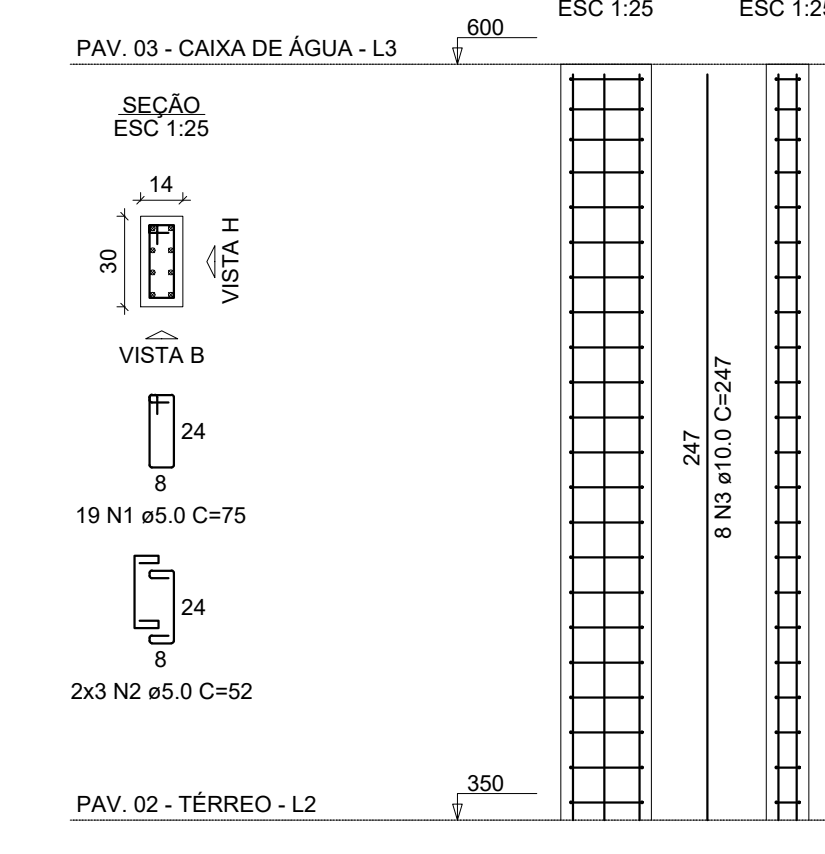


Pilares Caixa de Água

P14=P15=P16



P17



RELAÇÃO DO AÇO

AÇO	N	DIAM (mm)	QUANT	C.UNIT (cm)	C.TOTAL (cm)
CA60	1	5.0	76	75	5700
CA50	2	5.0	24	52	1248
CA50	3	10.0	20	247	4940

RESUMO DO AÇO

AÇO	DIAM (mm)	C.TOTAL (m)	PESO + 10% (kg)
CA50	10.0	49.4	33.5
CA60	5.0	69.5	11.8

Volume de concreto (C-30) = 0.42 m³  
Área de forma = 8.80 m²

Observações  
Junto aos pilares externos P2, P3, P4, P5, P7, P10, P12, P19, P20, P21, P 22, P 23, P24, P25, P 26, P27, P28, P29, P30, deverá ser previsto transpasse acima da laje de cobertura em no mínimo 30 cm para arranque dos pilaretes da platibanda.

**GeoNorte** Projetos e Topografia

**GEONORTE PROJETOS LTDA.**  
Av. Brasil, 79, sala 09, Centro - Xanxerê (SC) - 89820-000  
www.geonorte.net.br / contato@geonorte.net.br  
Telefone: (49) 3433-8176

PROJETO: PROJETO ESTRUTURAL

LOCALIDADES: Xanxerê  
MUNICÍPIO: Xanxerê ESTADO UF: SC  
DATA: 03/2022 ESCALA: Indicada

Conteúdo: ARMADURA DOS PILARES  
Folha: 11/11

Prop.: MUNICÍPIO DE XAVANTINA - SC  
CNPJ: 83.009.878/0001-15

Resp. Téc.: CARLO ANTUNES DOS SANTOS  
ENGENHEIRO CIVIL  
CREA-SC 123.879-1