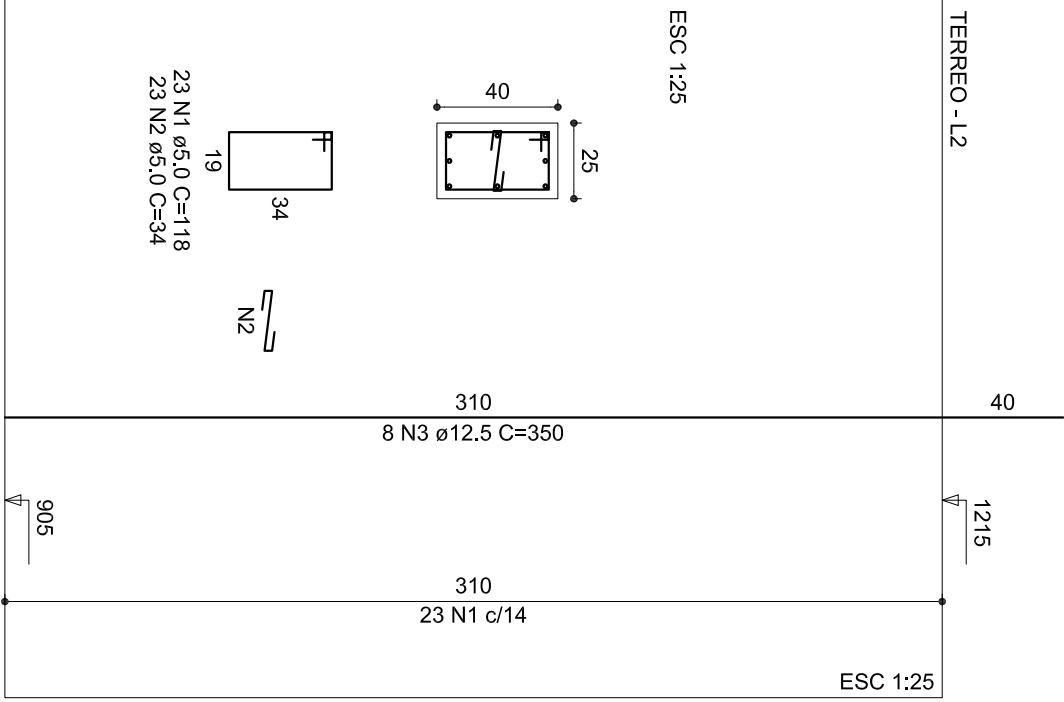
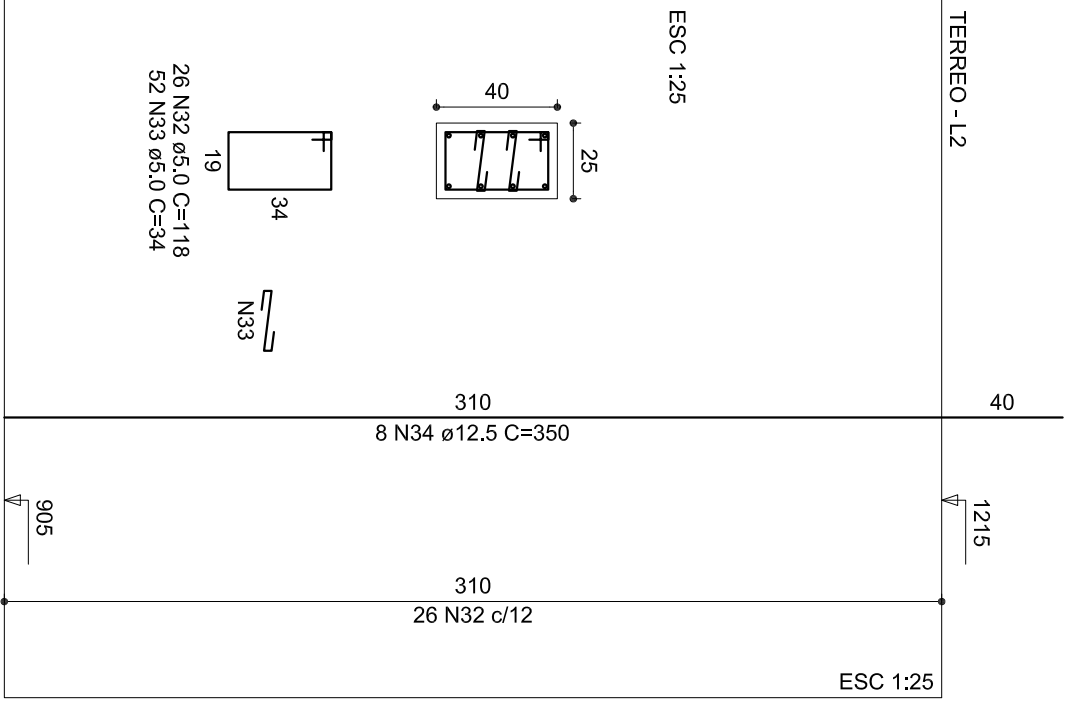


PILARES - TERREO

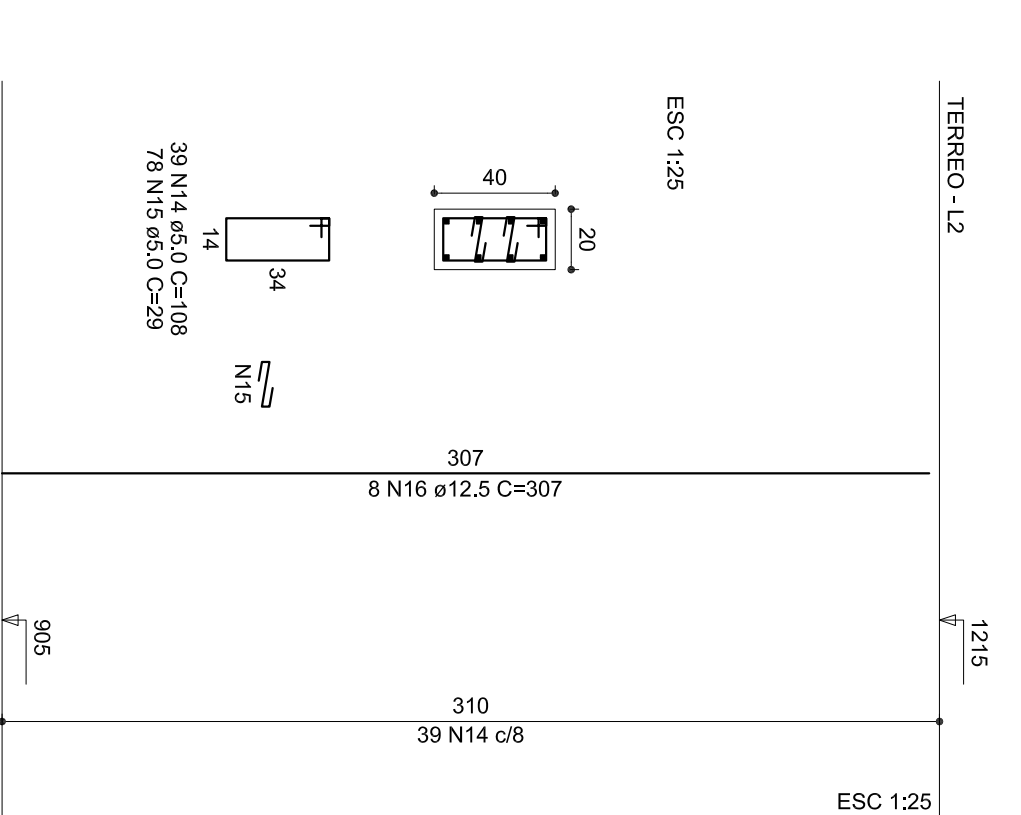
$P_1 = P_2 = P_8$



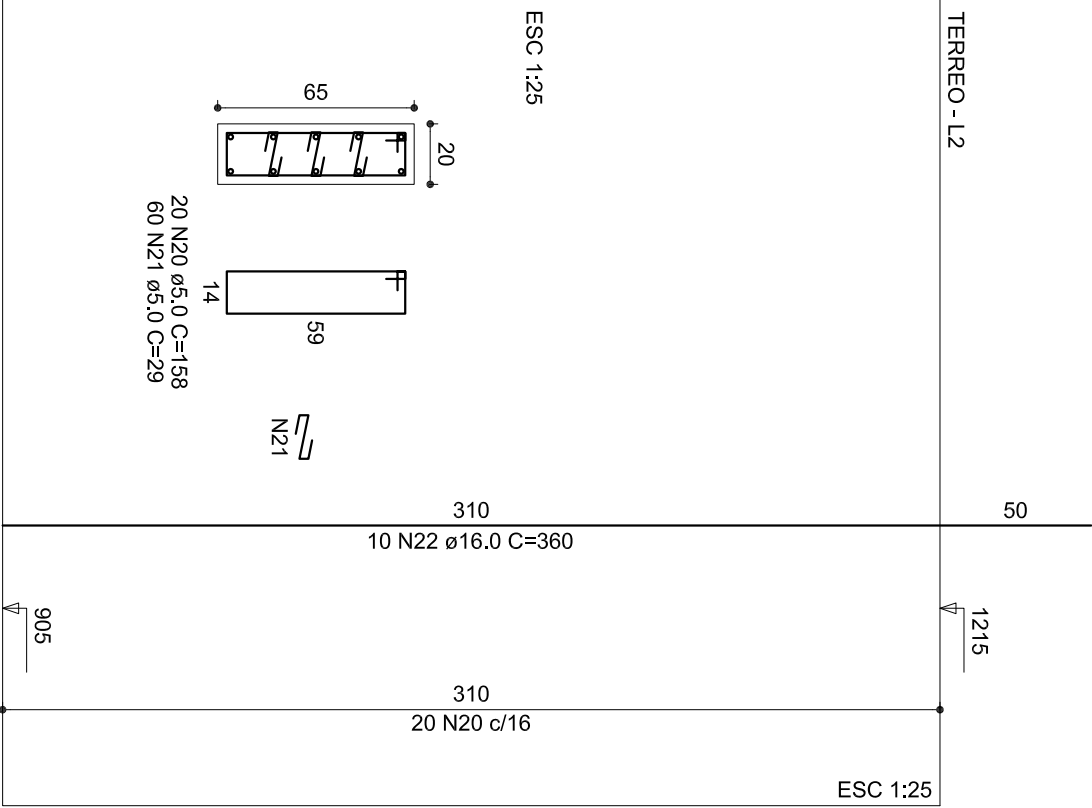
P20



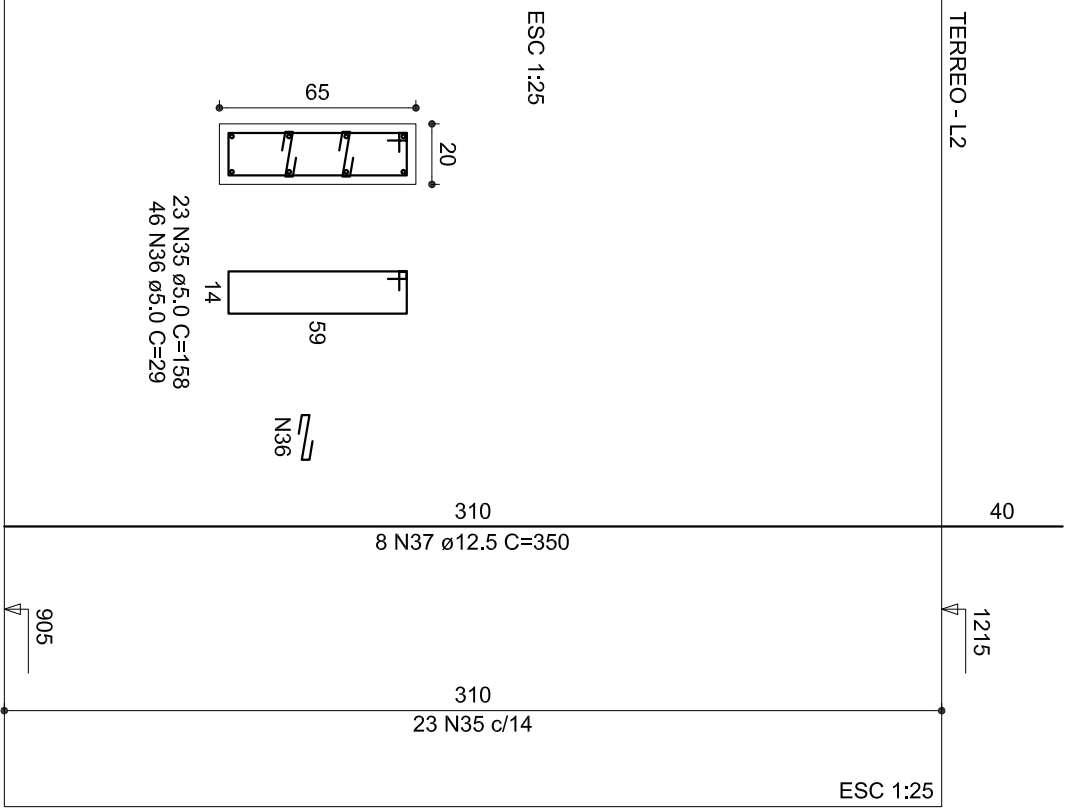
P7A



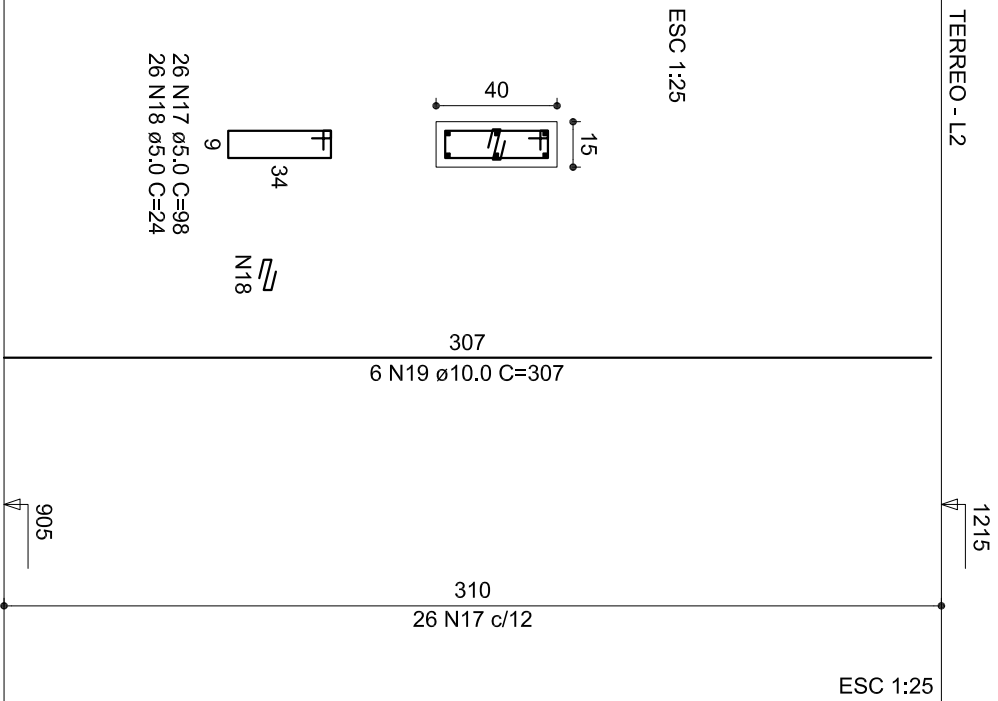
P10



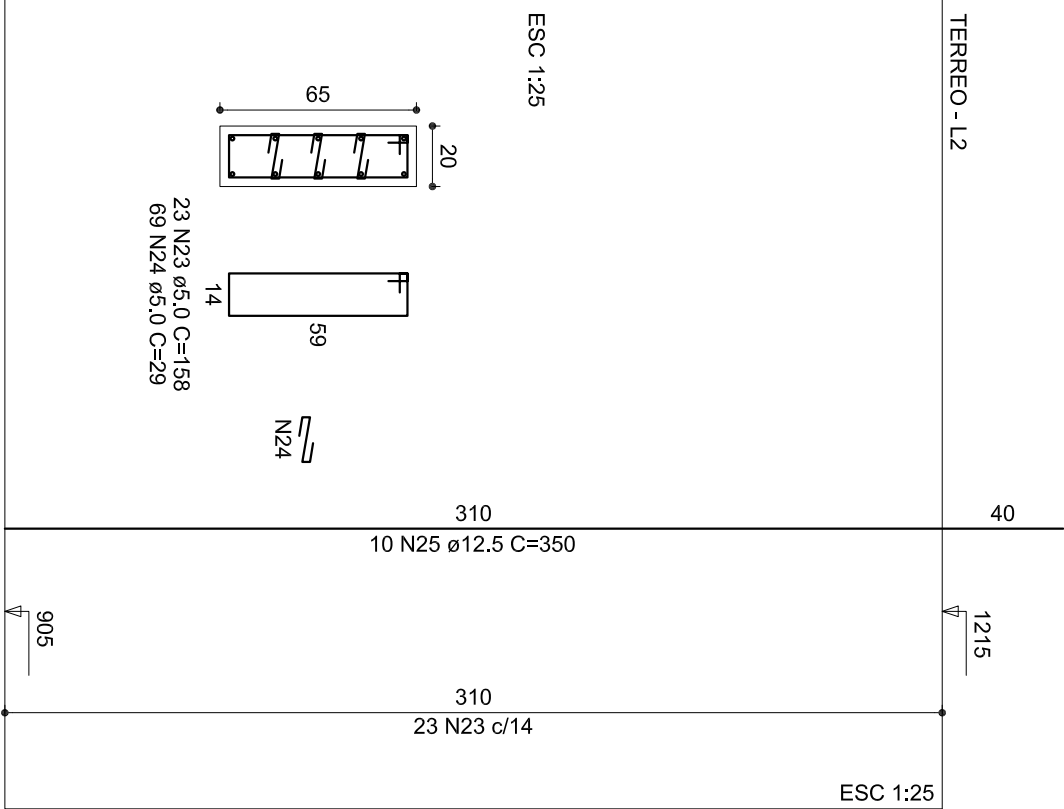
P21=P23



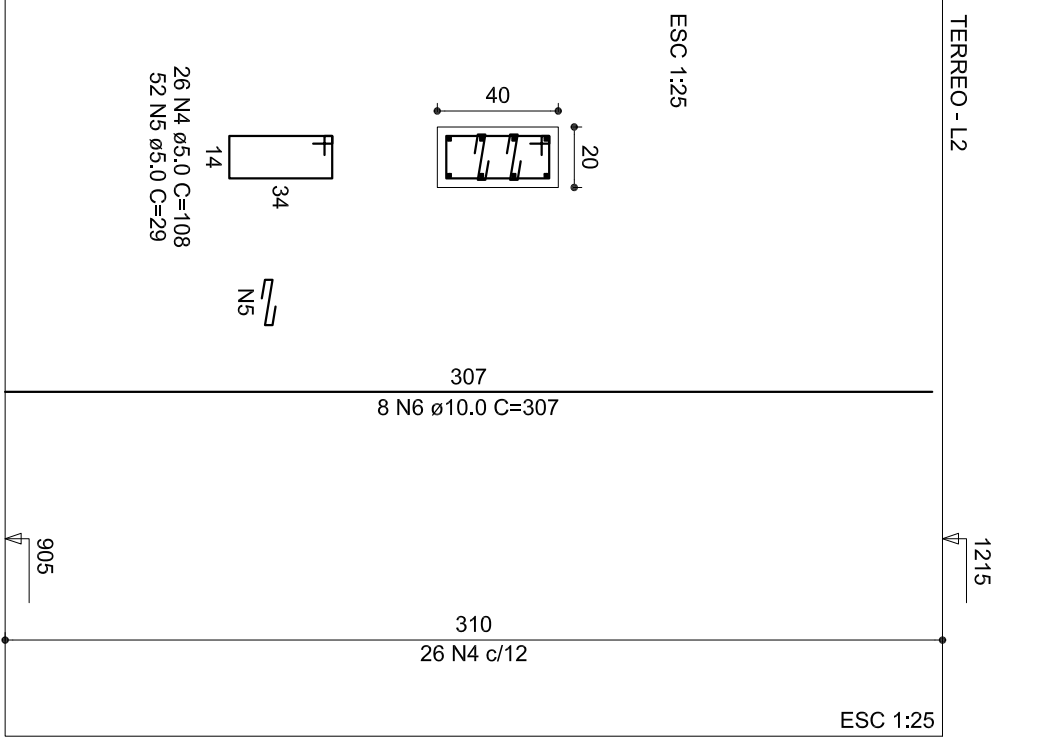
P9A=P13A=P14A=P18A



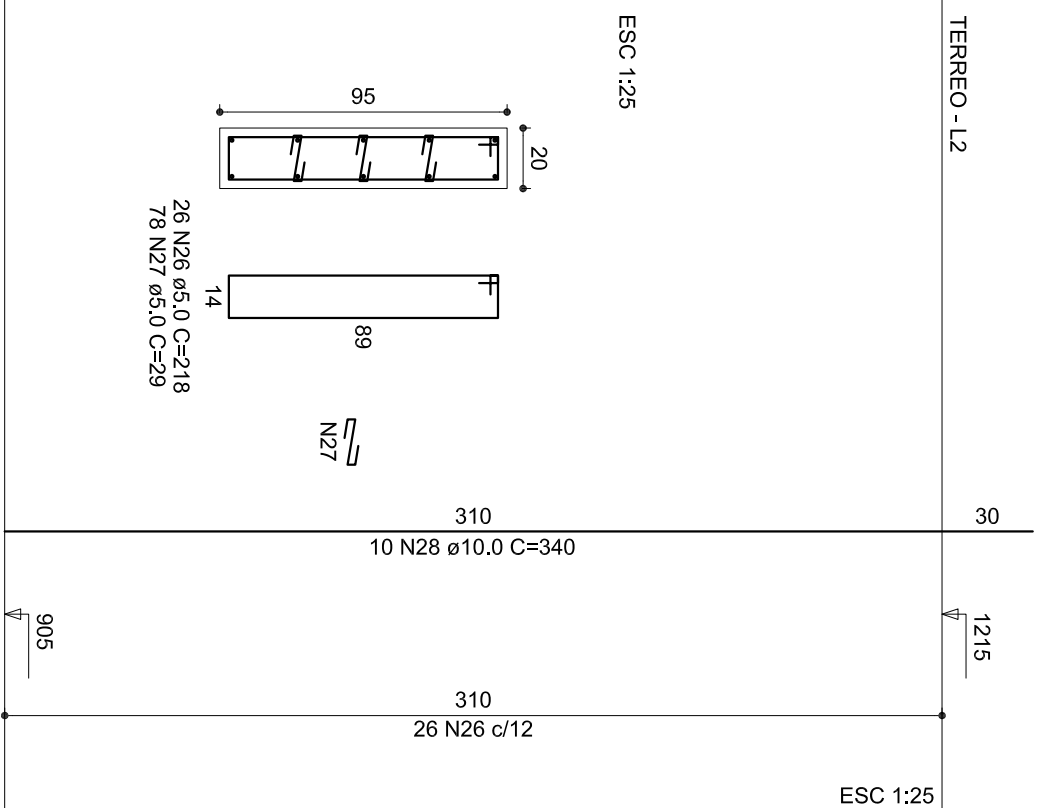
P15



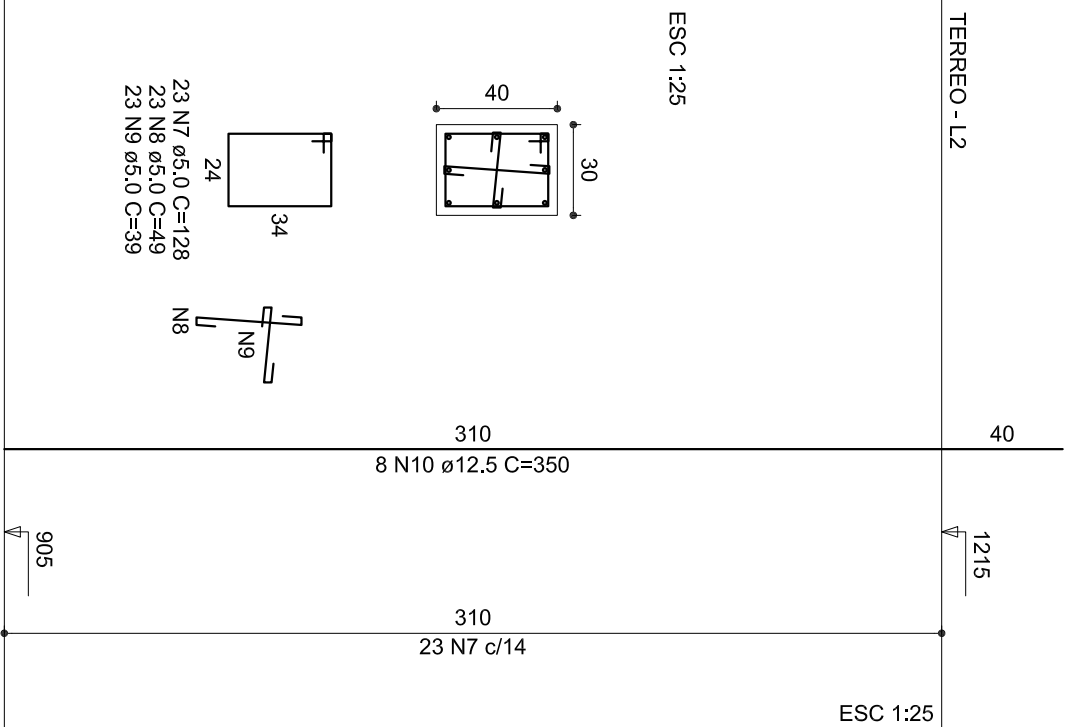
P3A



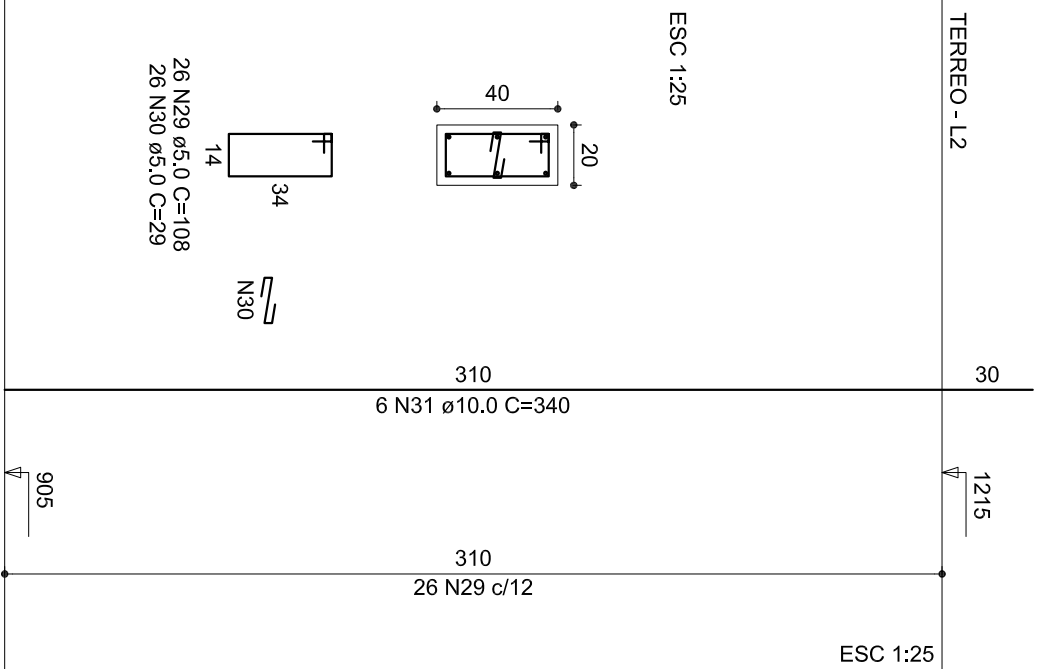
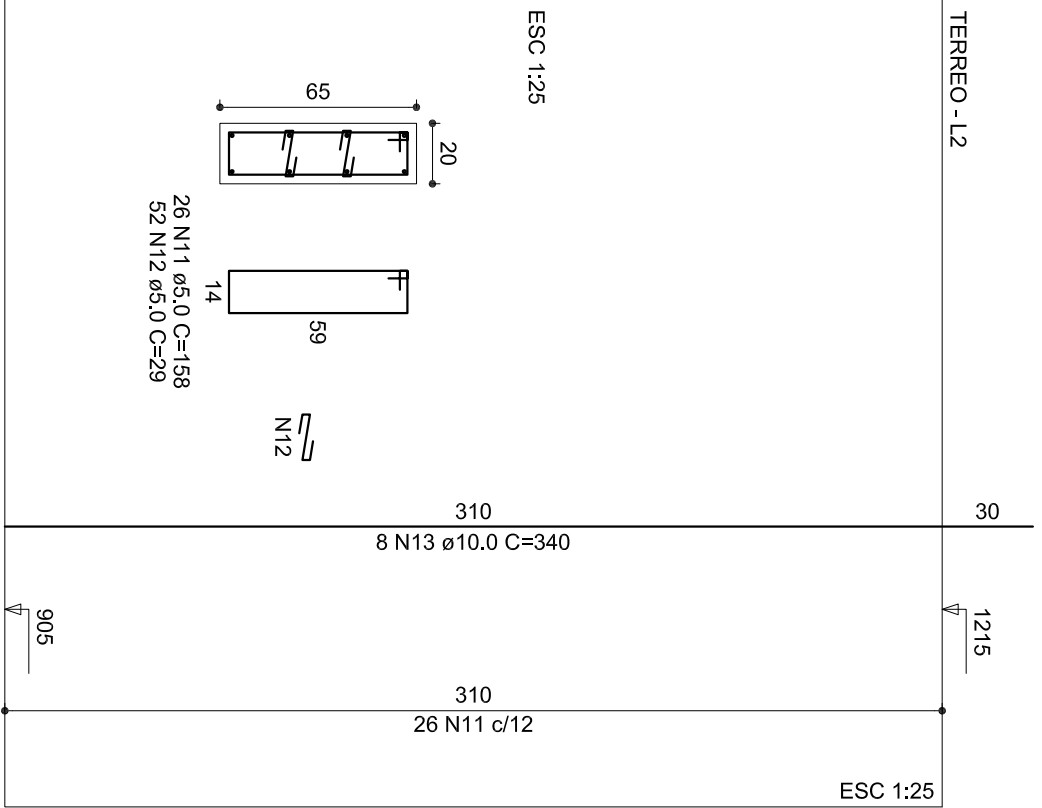
P17



P4



P19


$$P_5=P_6=P_{11}=P_{12}=P_{16}=P_{22}=P_{24}=P_{25}$$


Relatório do aço						
ELEMENTO	ACO	N	DIAM. (mm)	QUANT. (Barras)	UNIT. (cm)	C.TOTAL
3Ap1	C60	7	5,0	69	118	8142
	C60	3	12,5	24	350	8400
	C60	4	5,0	26	208	5368
	C60	5	5,0	52	29	1508
P3A	C60	6	10,0	8	8	2456
	C60	7	5,0	23	128	2944
	C60	8	5,0	23	48	1127
	C60	9	5,0	38	58	867
8Ap5	C60	10	5,0	208	158	32864
	C60	11	5,0	208	158	32864
	C60	12	5,0	416	29	12654
	C60	12	5,0	416	29	12654
P7A	C60	14	10,0	64	308	21760
	C60	14	5,0	39	148	4212
	C60	15	5,0	78	29	2252
	C60	16	12,5	8	307	2456
4Ap9A	C60	17	5,0	104	38	10152
	C60	18	5,0	104	38	10152
	C60	19	10,0	24	307	7588
	C60	20	5,0	20	158	3160
P10	C60	21	5,0	60	29	1740
	C60	22	16,0	20	158	3600
	C60	23	5,0	23	158	3634
	C60	24	5,0	69	29	2001
P15	C60	25	12,5	20	158	3500
	C60	26	12,5	20	158	3500
	C60	27	5,0	78	29	2252
	C60	28	10,0	10	340	3400
P17	C60	29	5,0	26	108	2808
	C60	30	5,0	26	29	754
	C60	31	10,0	6	340	2040
	C60	32	5,0	26	118	3068
P20	C60	33	5,0	52	34	1758
	C60	34	5,0	52	34	1758
	C60	35	5,0	46	158	4068
	C60	36	5,0	46	158	4068
2Ap21	C60	37	12,5	16	350	5600
	C60	37	12,5	16	350	5600
	C60	37	12,5	16	350	5600
	C60	37	12,5	16	350	5600

Resumo do aço

ACO	DIAM (mm)	C.TOTAL (m)	PESO (kg)
CA50	10.0	370.3	228.3
	12.5	255.6	246.2
	16.0	36	56.8
CA60	5.0	1206.7	186
PESO TOTAL			
(kg)			
CA50			531.3
CA60			186

Volume de concreto (C-30) = 8.53 m³
Área de forma = 115.63 m²

Área de forma = 115.63 m²

NOTAS

1º) O CONCRETO ADOPTADO

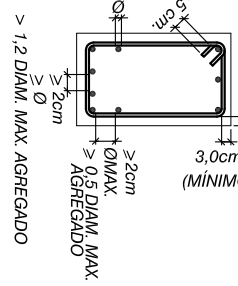
Classe 30 (C30) – FCK30MPa

Consumo mínimo de cimento = 280kg/m³


Relação água/cimento < 0,50

2º) VERIFICAR TODAS AS MEDIAS NA OBRA

3º) CONSULTAR EM CASO DE DUVIDAS



Classificação		Registro de Modificações	Valido	Data
A		EMISSÃO INICIAL	RAFAEL	26/07/2014
Nº				



Associação de Municípios do Nordeste do Estado de Santa Catarina
 89.260-639 - JOJANVILLE - SC - Rua Max Colla, 1843 - América - Fone: 07.47.433.3027
 Associação e Comércio Localizado - CPM - 89.260-639 - JOJANVILLE - SC - Rua Max Colla, 1843 - América - Fone: 07.47.433.3027
 AMUNESC - Associação de Municípios do Nordeste do Estado de Santa Catarina

RABALHO CUSTEADO E REALIZADO ATRAVÉS DA ASSOCIAÇÃO DE MUNICÍPIOS DO NORDESTE DE SANTA CATARINA

Pronto Atendimento 24 Horas Sul - PA Sul

Enderogo:

Projeto:	PROJETO ESTRUTURAL	
Data:	JUL/2014	Escala:
Desenho:		INDICADA

Conteúdo:
AMPLIAÇÃO PRINCIPAL - PILARES TÉRREO

AMPLIAÇÃO PRINCIPAL - PILARES TÉRREO

E-Bookings

FITEJ - FUNDAÇÃO INSTITUTO TECNOLÓGICO DE JOINVILLE

JULIANO PERAZZOI
 ENQ 0111 - CREIA 055.298-7
LUCIO MARCELO DE MOURA
 ENQ 0111 - CREIA 090.185-2

FITEJ
TECNOLÓGICO DE JOINVILLE

ENGENHARIA

ENGº CIVIL - CREA 0999/185-2

FITEJ
TECNOLÓGICO DE JOINVILLE

ENGENHARIA

ENGº CIVIL - CREA 0999/185-2