

| REVISÃO Nº | DATA | DESCRIÇÃO |
|------------|------------|-----------|
| xx | xx/xx/xxxx | |

Claudio Garcez Projetos&Consultoria

Rua Dos Rubis , quadra 44 , lote 15 , Setor Goiânia II , Goiânia - GO

CEP 74663-570 , Fone : (62) 3206-0689/8417-0683

ESTRUTURA
PROJETO PADRÃO 3
DELEGACIA DE PIRACANJUBA -GOIÁS

PROPRIETÁRIO: _____
Polícia Civil Do Estado de Goiás
CNPJ :37.014.123/0001-91

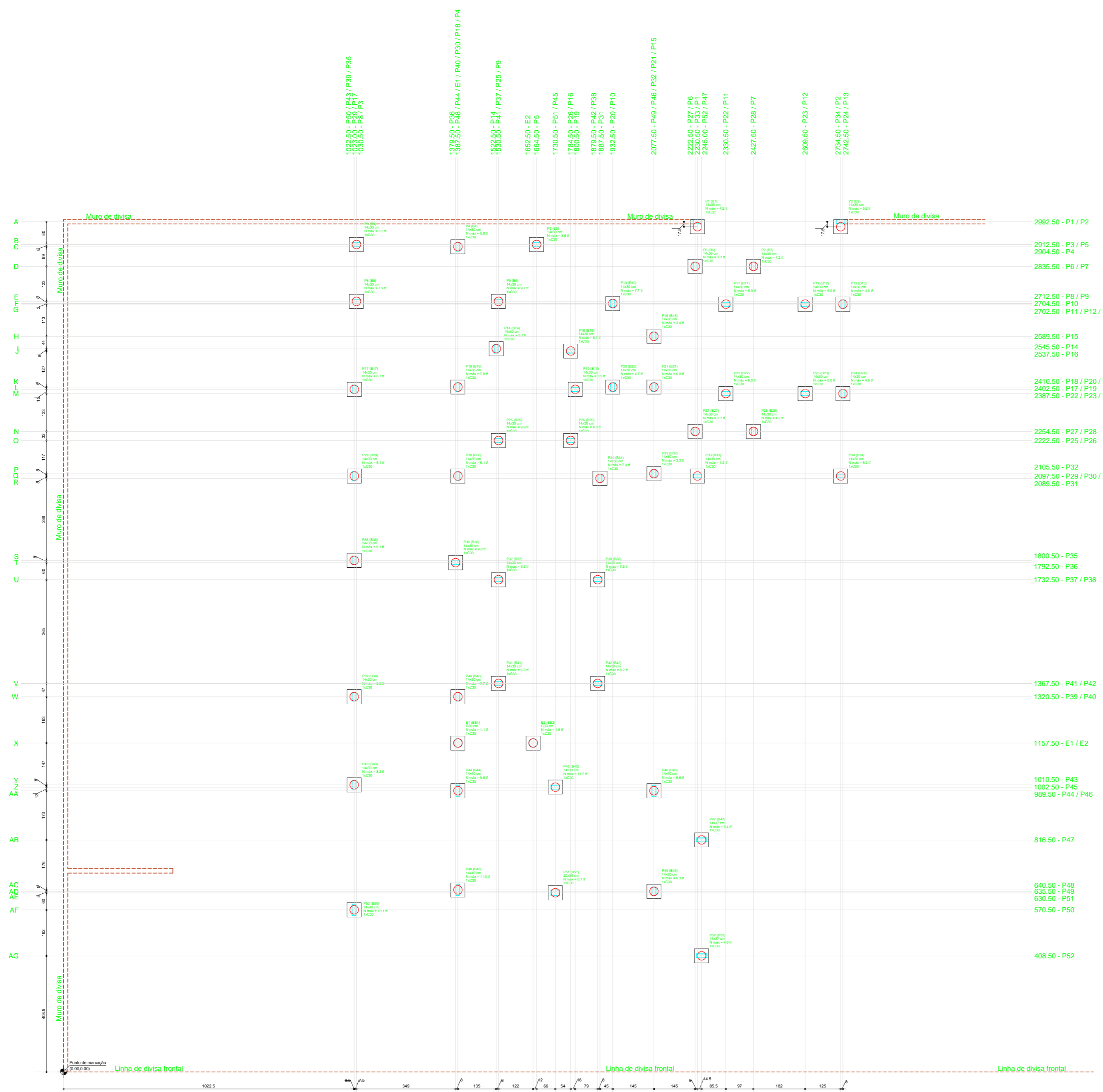
AUTOR DO PROJETO: _____
eng. Cláudio Henrique Garcez
CREA 9566/D-GO/DF

R.T.: _____

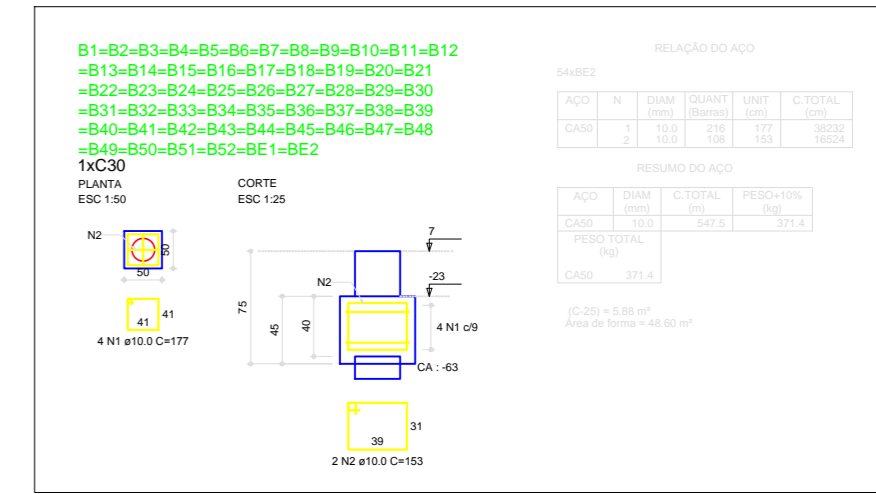
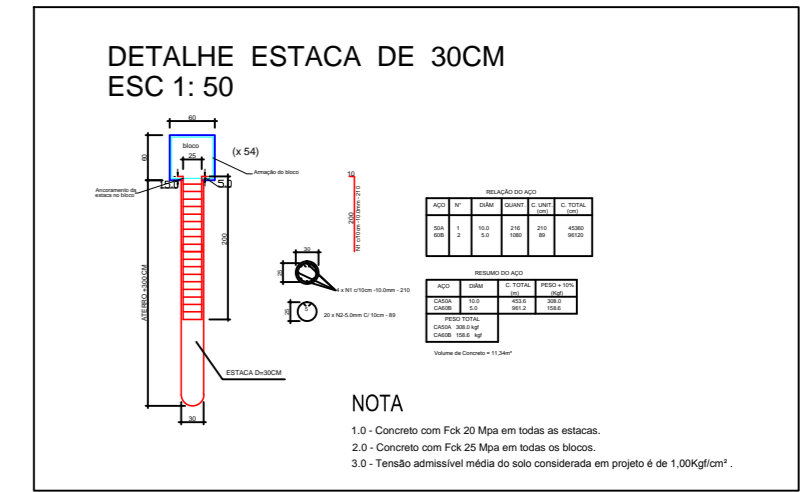
CONTEÚDO: _____
ÁREAS: _____
- PÓRTICO _____
VER ARQUITETURA

DATA: _____
MAIO/2017 ESCALA: _____
INDICADA

APROVAÇÃO: _____



| Nome | Seção | Carga Máx. (t) | Carga Min. (t) | Mx (kgf.m) | My (kgf.m) | Fy (kgf) | Fz (kgf) | Lado B | | Lado T | | Estatos | Base (cm) |
|------|-------|----------------|----------------|------------|------------|----------|----------|--------|----|--------|----|---------|-----------|
| | | | | | | | | cm | cm | cm | cm | | |
| P1 | 14x20 | 4.2 | 3.8 | 100 | 200 | 0.7 | 0.1 | BE1 | 80 | 80 | 30 | 45 | 1 |
| P2 | 14x20 | 5.2 | 4.8 | 100 | 200 | 0.8 | 0.2 | BE2 | 80 | 80 | 30 | 45 | 1 |
| P3 | 14x20 | 5.5 | 5.1 | 100 | 200 | 0.8 | 0.2 | BE3 | 80 | 80 | 30 | 45 | 1 |
| P4 | 14x20 | 5.9 | 5.5 | 100 | 200 | 0.9 | 0.2 | BE4 | 80 | 80 | 30 | 45 | 1 |
| P5 | 14x20 | 6.6 | 6.2 | 100 | 200 | 1.0 | 0.2 | BE5 | 80 | 80 | 30 | 45 | 1 |
| P6 | 14x20 | 7.2 | 6.8 | 100 | 200 | 1.1 | 0.2 | BE6 | 80 | 80 | 30 | 45 | 1 |
| P7 | 14x20 | 8.1 | 7.7 | 100 | 200 | 1.2 | 0.2 | BE7 | 80 | 80 | 30 | 45 | 1 |
| P8 | 14x20 | 9.1 | 8.7 | 100 | 200 | 1.3 | 0.2 | BE8 | 80 | 80 | 30 | 45 | 1 |
| P9 | 14x20 | 10.2 | 9.8 | 100 | 200 | 1.4 | 0.2 | BE9 | 80 | 80 | 30 | 45 | 1 |
| P10 | 14x20 | 11.4 | 11.0 | 100 | 200 | 1.5 | 0.2 | BE10 | 80 | 80 | 30 | 45 | 1 |
| P11 | 14x20 | 12.7 | 12.3 | 100 | 200 | 1.6 | 0.2 | BE11 | 80 | 80 | 30 | 45 | 1 |
| P12 | 14x20 | 14.1 | 13.7 | 100 | 200 | 1.7 | 0.2 | BE12 | 80 | 80 | 30 | 45 | 1 |
| P13 | 14x20 | 15.6 | 15.2 | 100 | 200 | 1.8 | 0.2 | BE13 | 80 | 80 | 30 | 45 | 1 |
| P14 | 14x20 | 17.2 | 16.8 | 100 | 200 | 1.9 | 0.2 | BE14 | 80 | 80 | 30 | 45 | 1 |
| P15 | 14x20 | 18.9 | 18.5 | 100 | 200 | 2.0 | 0.2 | BE15 | 80 | 80 | 30 | 45 | 1 |
| P16 | 14x20 | 20.7 | 20.3 | 100 | 200 | 2.1 | 0.2 | BE16 | 80 | 80 | 30 | 45 | 1 |
| P17 | 14x20 | 22.6 | 22.2 | 100 | 200 | 2.2 | 0.2 | BE17 | 80 | 80 | 30 | 45 | 1 |
| P18 | 14x20 | 24.6 | 24.2 | 100 | 200 | 2.3 | 0.2 | BE18 | 80 | 80 | 30 | 45 | 1 |
| P19 | 14x20 | 26.7 | 26.3 | 100 | 200 | 2.4 | 0.2 | BE19 | 80 | 80 | 30 | 45 | 1 |
| P20 | 14x20 | 28.9 | 28.5 | 100 | 200 | 2.5 | 0.2 | BE20 | 80 | 80 | 30 | 45 | 1 |
| P21 | 14x20 | 31.2 | 30.8 | 100 | 200 | 2.6 | 0.2 | BE21 | 80 | 80 | 30 | 45 | 1 |
| P22 | 14x20 | 33.6 | 33.2 | 100 | 200 | 2.7 | 0.2 | BE22 | 80 | 80 | 30 | 45 | 1 |
| P23 | 14x20 | 36.1 | 35.7 | 100 | 200 | 2.8 | 0.2 | BE23 | 80 | 80 | 30 | 45 | 1 |
| P24 | 14x20 | 38.7 | 38.3 | 100 | 200 | 2.9 | 0.2 | BE24 | 80 | 80 | 30 | 45 | 1 |
| P25 | 14x20 | 41.4 | 41.0 | 100 | 200 | 3.0 | 0.2 | BE25 | 80 | 80 | 30 | 45 | 1 |
| P26 | 14x20 | 44.2 | 43.8 | 100 | 200 | 3.1 | 0.2 | BE26 | 80 | 80 | 30 | 45 | 1 |
| P27 | 14x20 | 47.1 | 46.7 | 100 | 200 | 3.2 | 0.2 | BE27 | 80 | 80 | 30 | 45 | 1 |
| P28 | 14x20 | 50.1 | 49.7 | 100 | 200 | 3.3 | 0.2 | BE28 | 80 | 80 | 30 | 45 | 1 |
| P29 | 14x20 | 53.2 | 52.8 | 100 | 200 | 3.4 | 0.2 | BE29 | 80 | 80 | 30 | 45 | 1 |
| P30 | 14x20 | 56.4 | 56.0 | 100 | 200 | 3.5 | 0.2 | BE30 | 80 | 80 | 30 | 45 | 1 |
| P31 | 14x20 | 59.7 | 59.3 | 100 | 200 | 3.6 | 0.2 | BE31 | 80 | 80 | 30 | 45 | 1 |
| P32 | 14x20 | 63.1 | 62.7 | 100 | 200 | 3.7 | 0.2 | BE32 | 80 | 80 | 30 | 45 | 1 |
| P33 | 14x20 | 66.6 | 66.2 | 100 | 200 | 3.8 | 0.2 | BE33 | 80 | 80 | 30 | 45 | 1 |
| P34 | 14x20 | 70.2 | 69.8 | 100 | 200 | 3.9 | 0.2 | BE34 | 80 | 80 | 30 | 45 | 1 |
| P35 | 14x20 | 73.9 | 73.5 | 100 | 200 | 4.0 | 0.2 | BE35 | 80 | 80 | 30 | 45 | 1 |
| P36 | 14x20 | 77.7 | 77.3 | 100 | 200 | 4.1 | 0.2 | BE36 | 80 | 80 | 30 | 45 | 1 |
| P37 | 14x20 | 81.6 | 81.2 | 100 | 200 | 4.2 | 0.2 | BE37 | 80 | 80 | 30 | 45 | 1 |
| P38 | 14x20 | 85.6 | 85.2 | 100 | 200 | 4.3 | 0.2 | BE38 | 80 | 80 | 30 | 45 | 1 |
| P39 | 14x20 | 89.7 | 89.3 | 100 | 200 | 4.4 | 0.2 | BE39 | 80 | 80 | 30 | 45 | 1 |
| P40 | 14x20 | 93.9 | 93.5 | 100 | 200 | 4.5 | 0.2 | BE40 | 80 | 80 | 30 | 45 | 1 |
| P41 | 14x20 | 98.2 | 97.8 | 100 | 200 | 4.6 | 0.2 | BE41 | 80 | 80 | 30 | 45 | 1 |
| P42 | 14x20 | 102.6 | 102.2 | 100 | 200 | 4.7 | 0.2 | BE42 | 80 | 80 | 30 | 45 | 1 |
| P43 | 14x20 | 107.1 | 106.7 | 100 | 200 | 4.8 | 0.2 | BE43 | 80 | 80 | 30 | 45 | 1 |
| P44 | 14x20 | 111.7 | 111.3 | 100 | 200 | 4.9 | 0.2 | BE44 | 80 | 80 | 30 | 45 | 1 |
| P45 | 14x20 | 116.4 | 116.0 | 100 | 200 | 5.0 | 0.2 | BE45 | 80 | 80 | 30 | 45 | 1 |
| P46 | 14x20 | 121.2 | 120.8 | 100 | 200 | 5.1 | 0.2 | BE46 | 80 | 80 | 30 | 45 | 1 |
| P47 | 14x20 | 126.1 | 125.7 | 100 | 200 | 5.2 | 0.2 | BE47 | 80 | 80 | 30 | 45 | 1 |
| P48 | 14x20 | 131.1 | 130.7 | 100 | 200 | 5.3 | 0.2 | BE48 | 80 | 80 | 30 | 45 | 1 |
| P49 | 14x20 | 136.2 | 135.8 | 100 | 200 | 5.4 | 0.2 | BE49 | 80 | 80 | 30 | 45 | 1 |
| P50 | 14x20 | 141.4 | 141.0 | 100 | 200 | 5.5 | 0.2 | BE50 | 80 | 80 | 30 | 45 | 1 |
| P51 | 14x20 | 146.7 | 146.3 | 100 | 200 | 5.6 | 0.2 | BE51 | 80 | 80 | 30 | 45 | 1 |
| P52 | 14x20 | 152.1 | 151.7 | 100 | 200 | 5.7 | 0.2 | BE52 | 80 | 80 | 30 | 45 | 1 |



Legenda dos blocos escala 1:50

Planta de locação de pilares e cargas escala 1:50

REVISÃO Nº DATA DESCRIÇÃO

1x xxx/xxxx

Claudio Garcez

Projetos & Consultoria

Rua Dos Rubis, quadra 44, lote 15, Setor Goiânia II, Goiânia - GO

CEP 74663-570, Fone : (62) 3206-0689/8417-0683

ESTRUTURA

PROJETO PADRÃO 3

DELEGACIA DE PIRACANJUBA - GOIÁS

PROPRIETÁRIO: Polícia Civil do Estado de Goiás
CNPJ: 37.014.123/0001-91

AUTOR DO PROJETO: eng. Cláudio Henrique Garcez
CREA 9566/D-GO/DF

CONTEÚDO: ÁREAS:

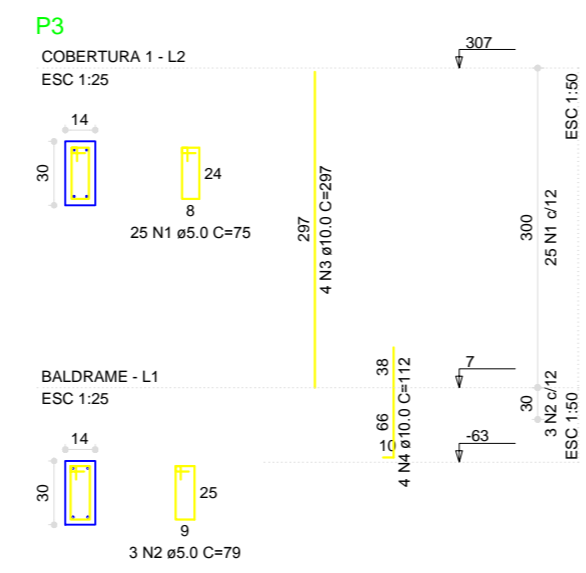
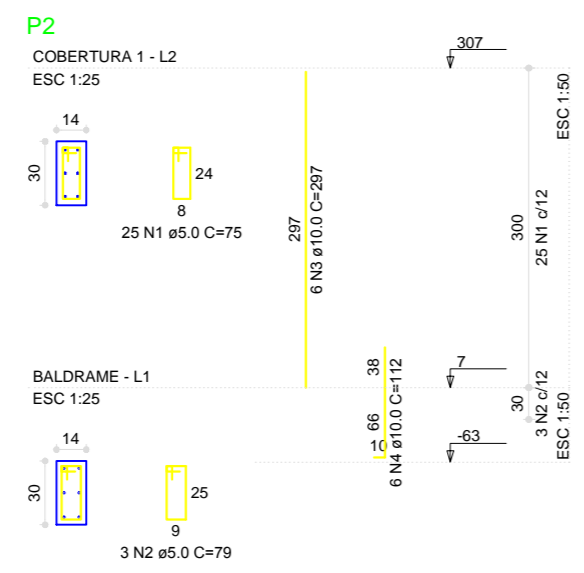
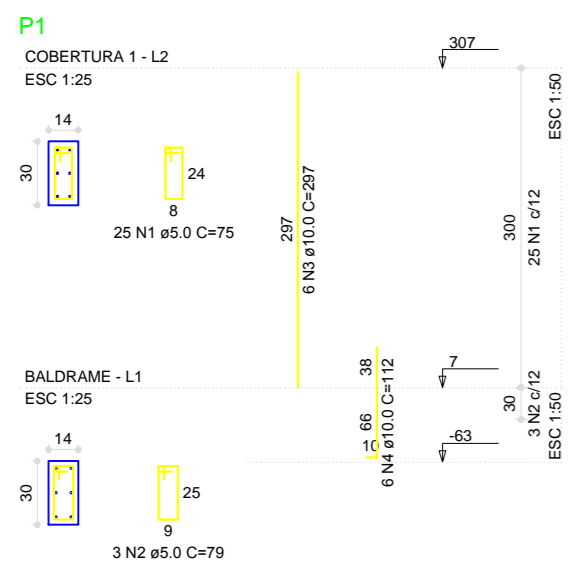
PLANTA DE LOCAÇÃO DE PILAR E CARGA
DETALHE DE ESTACA
DETALHE DE BLOCOS

VER ARQUITETURA

DATA: MAIO/2017 ESCALA:

APROVAÇÃO:

PRANCHA 2/14



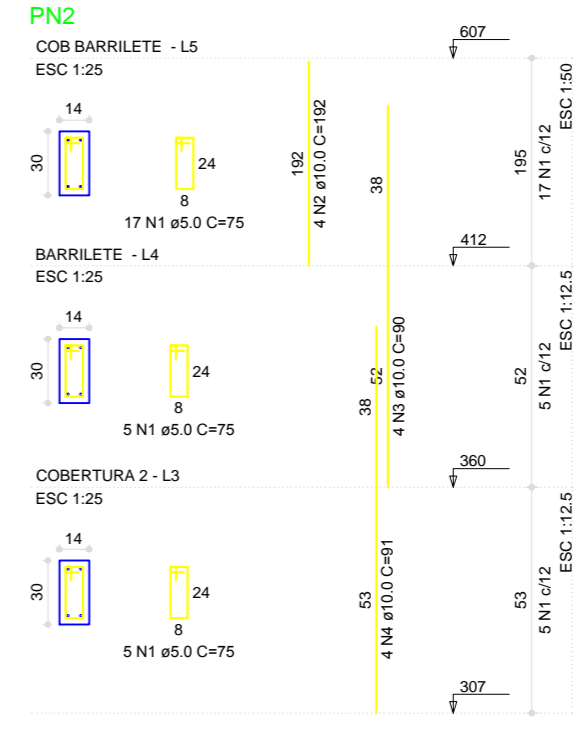
RELAÇÃO DO AÇO

| AÇO | N | DIAM (mm) | QUANT (Barra) | UNIT (cm) | C.TOTAL (cm) |
|------|---|-----------|---------------|-----------|--------------|
| CA60 | 1 | 5.0 | 75 | 75 | 5625 |
| CA50 | 2 | 5.0 | 9 | 79 | 711 |
| CA50 | 4 | 10.0 | 16 | 297 | 4752 |
| | | 10.0 | 16 | 112 | 1792 |

RESUMO DO AÇO

| AÇO | DIAM (mm) | C.TOTAL (m) | PESO+10% (kg) |
|-----------------|-----------|-------------|---------------|
| CA50 | 10.0 | 65.4 | 44.4 |
| CA60 | 5.0 | 63.8 | 10.8 |
| PESO TOTAL (kg) | | | |
| CA50 | | | 44.4 |
| CA60 | | | 10.8 |

(C-25) = 0.47 m²
Área de forma = 9.77 m²



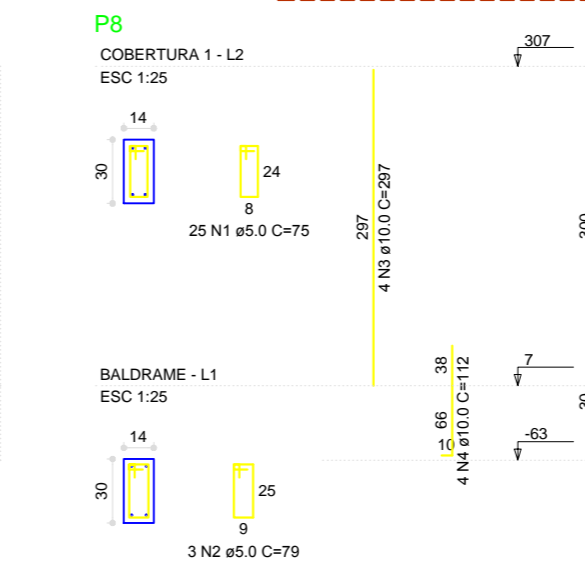
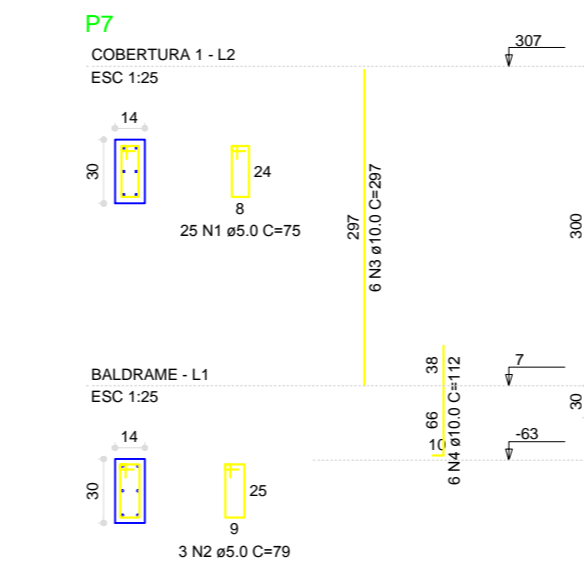
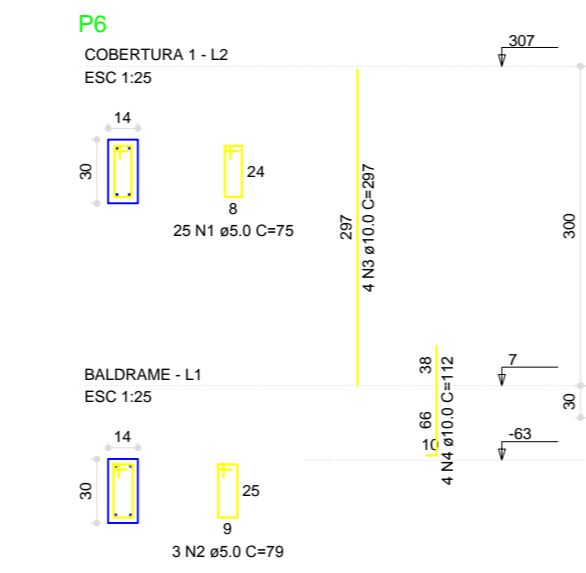
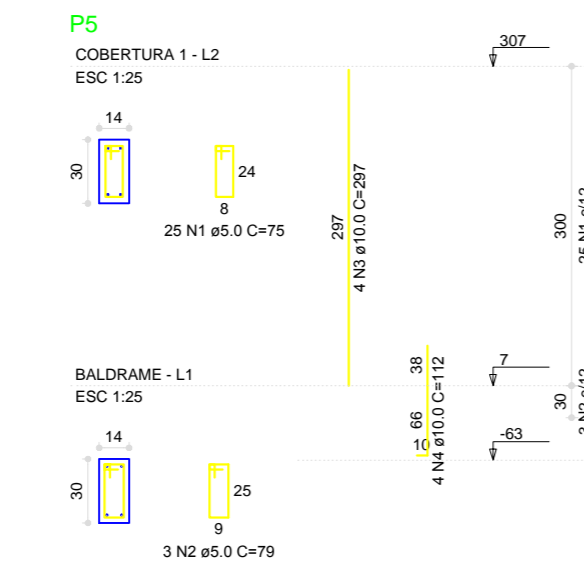
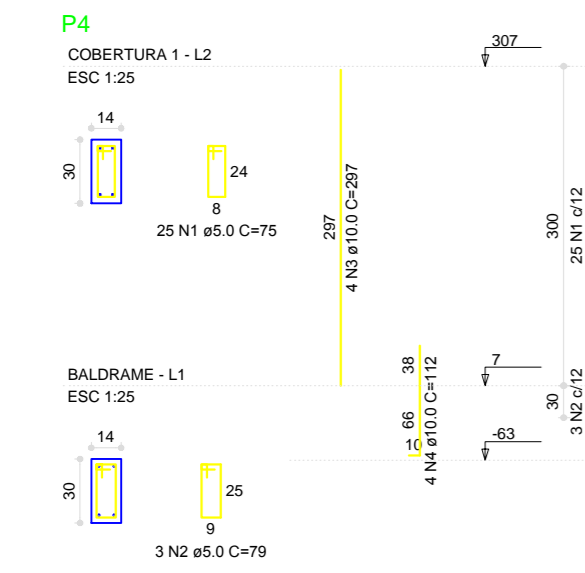
RELAÇÃO DO AÇO

| AÇO | N | DIAM (mm) | QUANT (Barra) | UNIT (cm) | C.TOTAL (cm) |
|------|---|-----------|---------------|-----------|--------------|
| CA60 | 1 | 5.0 | 27 | 75 | 2025 |
| CA50 | 2 | 10.0 | 4 | 192 | 768 |
| CA50 | 3 | 10.0 | 4 | 90 | 360 |
| CA50 | 4 | 10.0 | 4 | 91 | 364 |

RESUMO DO AÇO

| AÇO | DIAM (mm) | C.TOTAL (m) | PESO+10% (kg) |
|-----------------|-----------|-------------|---------------|
| CA50 | 10.0 | 14.9 | 10.1 |
| CA60 | 5.0 | 20.4 | 3.5 |
| PESO TOTAL (kg) | | | |
| CA50 | | | 10.1 |
| CA60 | | | 3.5 |

(C-25) = 0.13 m²
Área de forma = 2.64 m²



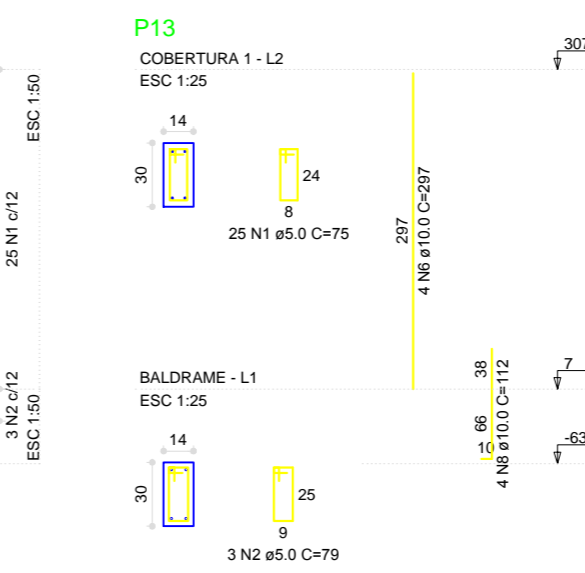
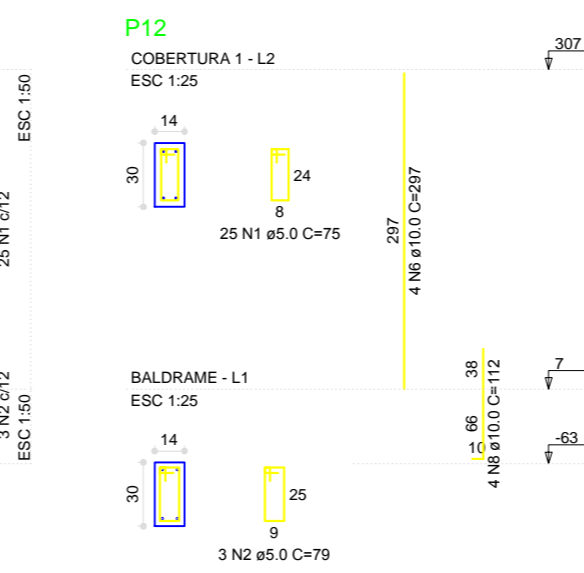
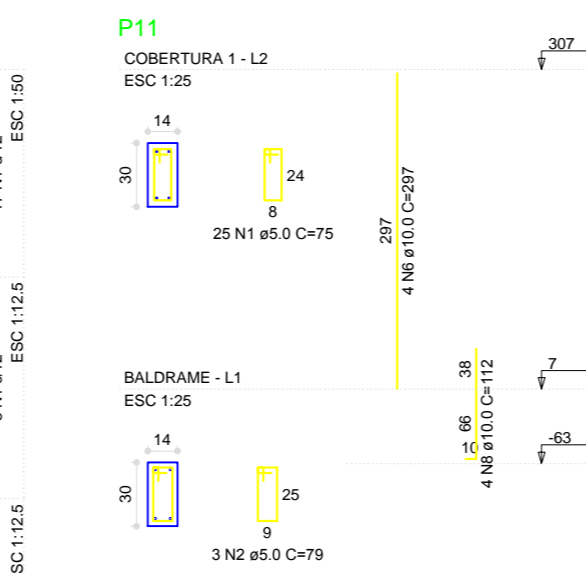
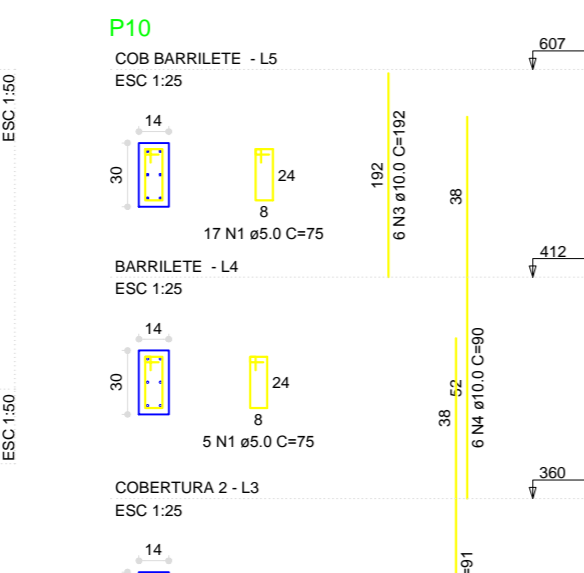
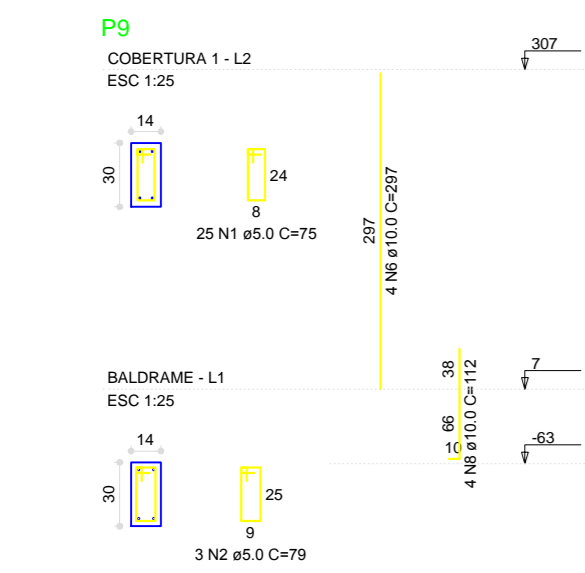
RELAÇÃO DO AÇO

| AÇO | N | DIAM (mm) | QUANT (Barra) | UNIT (cm) | C.TOTAL (cm) |
|------|---|-----------|---------------|-----------|--------------|
| CA60 | 1 | 5.0 | 125 | 75 | 9375 |
| CA50 | 2 | 5.0 | 15 | 79 | 1185 |
| CA50 | 3 | 10.0 | 22 | 297 | 6534 |
| CA50 | 4 | 10.0 | 22 | 112 | 2464 |

RESUMO DO AÇO

| AÇO | DIAM (mm) | C.TOTAL (m) | PESO+10% (kg) |
|-----------------|-----------|-------------|---------------|
| CA50 | 10.0 | 89.9 | 61.0 |
| CA60 | 5.0 | 106.3 | 18.0 |
| PESO TOTAL (kg) | | | |
| CA50 | | | 61.0 |
| CA60 | | | 18.0 |

(C-25) = 0.78 m²
Área de forma = 16.28 m²



RELAÇÃO DO AÇO

| AÇO | N | DIAM (mm) | QUANT (Barra) | UNIT (cm) | C.TOTAL (cm) |
|------|---|-----------|---------------|-----------|--------------|
| CA60 | 1 | 5.0 | 152 | 75 | 11400 |
| CA50 | 2 | 5.0 | 15 | 79 | 1185 |
| CA50 | 3 | 10.0 | 6 | 192 | 1152 |
| CA50 | 4 | 10.0 | 6 | 90 | 540 |
| CA50 | 5 | 10.0 | 6 | 91 | 546 |
| CA50 | 6 | 10.0 | 16 | 297 | 4752 |
| CA50 | 7 | 10.0 | 6 | 338 | 2028 |
| CA50 | 8 | 10.0 | 22 | 112 | 2464 |

RESUMO DO AÇO

| AÇO | DIAM (mm) | C.TOTAL (m) | PESO+10% (kg) |
|-----------------|-----------|-------------|---------------|
| CA50 | 10.0 | 114.8 | 77.8 |
| CA60 | 5.0 | 126.7 | 21.5 |
| PESO TOTAL (kg) | | | |
| CA50 | | | 77.8 |
| CA60 | | | 21.5 |

(C-25) = 0.9 m²
Área de forma = 18.92 m²

| REVISÃO Nº | DATA | DESCRIÇÃO |
|------------|------------|-----------|
| xx | xx/xx/xxxx | |

Claudio Garcez

Projetos&Consultoria

Rua Dos Rubis , quadra 44 , lote 15 , Setor Goiânia II , Goiânia - GO
CEP 74663-570, Fone : (62) 3206-0689/8417-0683

ESTRUTURA
PROJETO PADRÃO 3
DELEGACIA DE PIRACANJUBA -GOIÁS

PROPRIETÁRIO: _____
Polícia Civil Do Estado de Goiás
CNPJ :37.014.123/0001-91

AUTOR DO PROJETO: _____
eng. Cláudio Henrique Garcez
CREA 9566/D-GO/DF

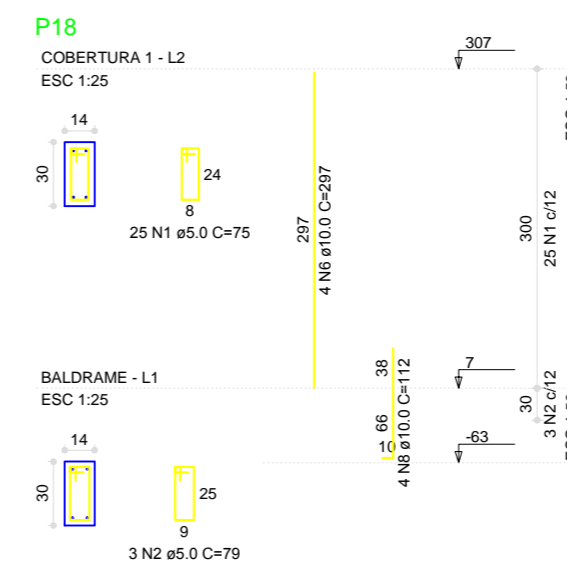
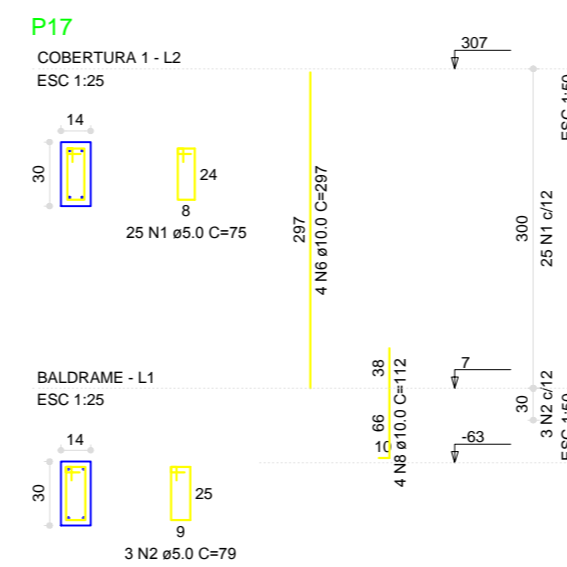
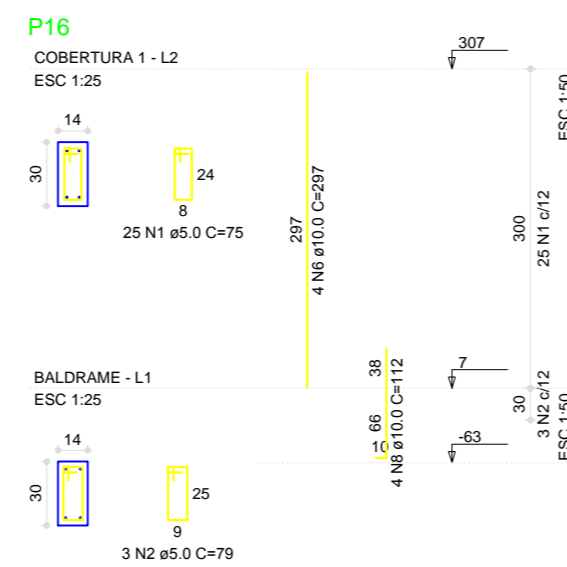
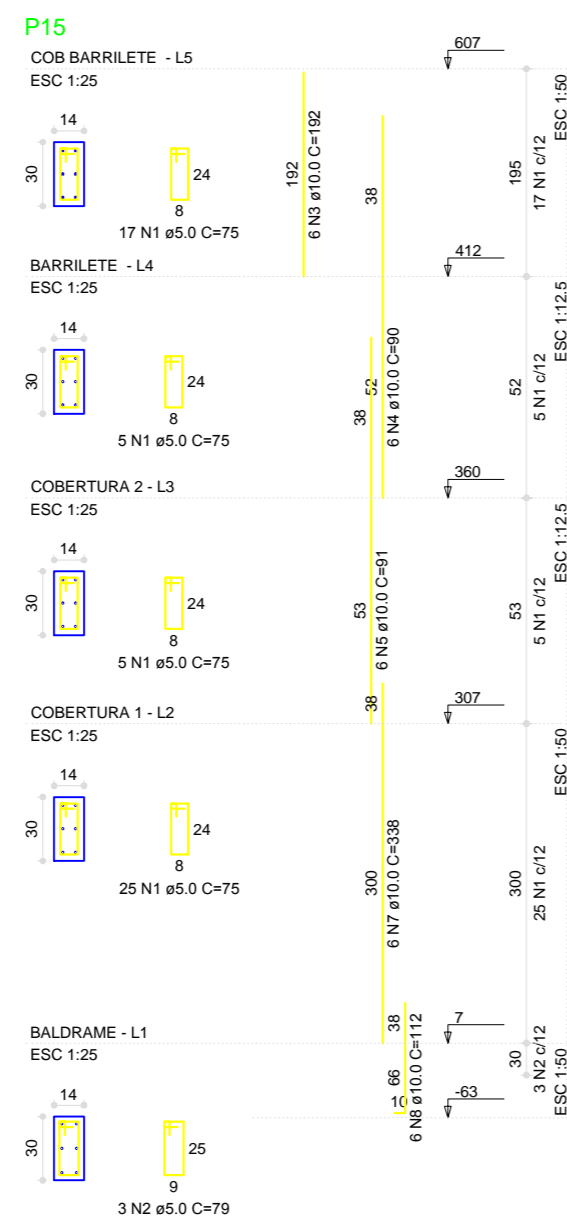
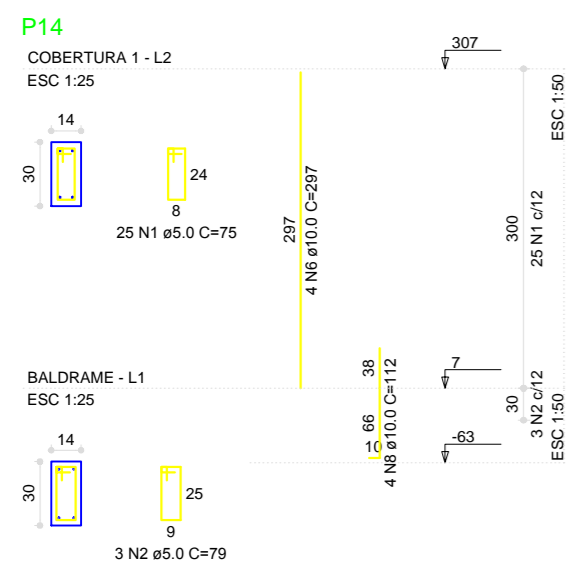
R.T.: _____

CONTEUDO: _____
ÁREAS: _____

-DETALHE DE PILAR : P1 ao P13 / PN2 _____
VER ARQUITETURA

DATA: _____
MAIO/2017 _____
ESCALA: _____
INDICADA

APROVAÇÃO: _____



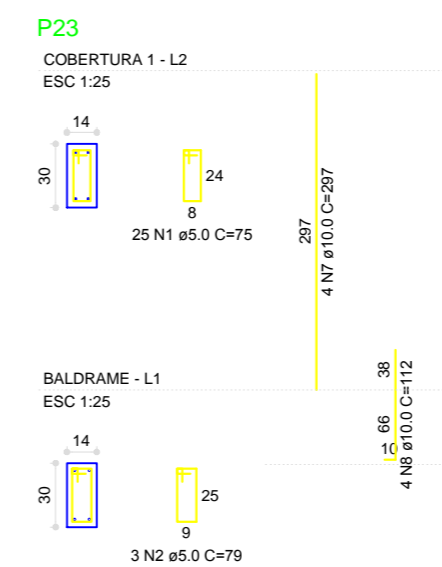
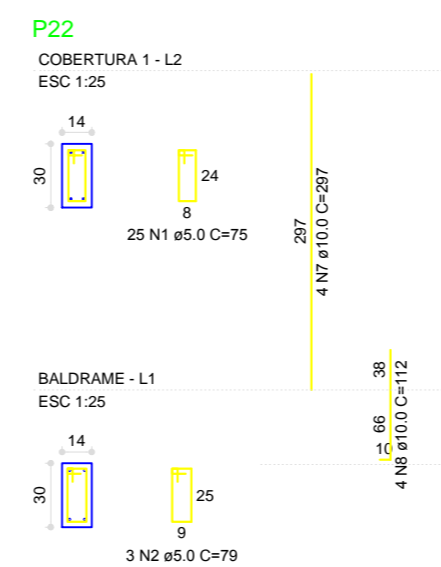
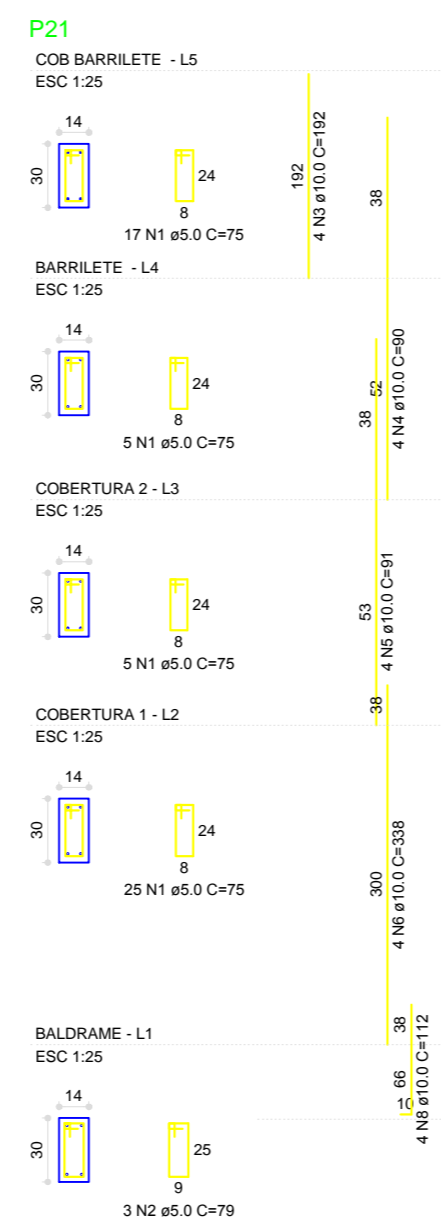
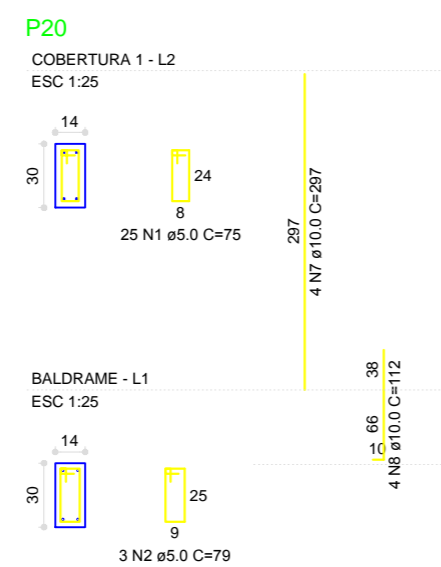
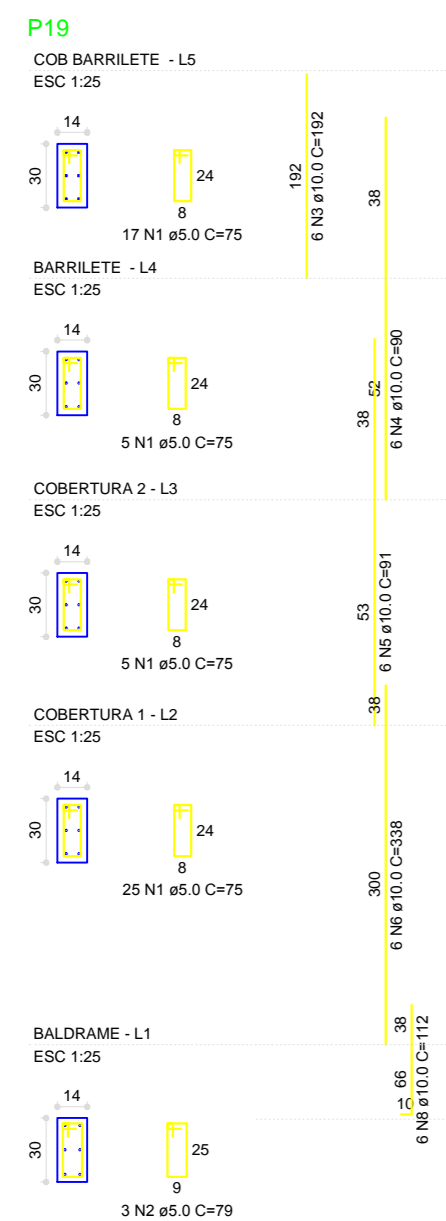
RELAÇÃO DO AÇO

| ACO | N | DIAM (mm) | QUANT (Barras) | UNIT (cm) | C.TOTAL (cm) |
|------|---|-----------|----------------|-----------|--------------|
| CA60 | 1 | 5.0 | 152 | 75 | 11400 |
| CA50 | 2 | 5.0 | 15 | 79 | 1185 |
| CA50 | 3 | 10.0 | 6 | 90 | 540 |
| CA50 | 4 | 10.0 | 6 | 91 | 546 |
| CA50 | 5 | 10.0 | 16 | 91 | 1456 |
| CA50 | 6 | 10.0 | 6 | 338 | 2028 |
| CA50 | 7 | 10.0 | 6 | 338 | 2028 |
| CA50 | 8 | 10.0 | 22 | 112 | 2464 |

RESUMO DO AÇO

| ACO | DIAM (mm) | C.TOTAL (m) | PESO+10% (kg) |
|------------------------|-----------|-------------|---------------|
| CA50 | 10.0 | 114.8 | 77.8 |
| CA60 | 5.0 | 126.7 | 21.5 |
| PESO TOTAL (kg) | | | |
| CA50 | | | 77.8 |
| CA60 | | | 21.5 |

(C-25) = 0.9 m²
Área de forma = 18.92 m²



RELAÇÃO DO AÇO

| ACO | N | DIAM (mm) | QUANT (Barras) | UNIT (cm) | C.TOTAL (cm) |
|------|---|-----------|----------------|-----------|--------------|
| CA60 | 1 | 5.0 | 179 | 75 | 13425 |
| CA50 | 2 | 5.0 | 15 | 79 | 1185 |
| CA50 | 3 | 10.0 | 10 | 90 | 900 |
| CA50 | 4 | 10.0 | 10 | 91 | 910 |
| CA50 | 5 | 10.0 | 10 | 338 | 3380 |
| CA50 | 6 | 10.0 | 12 | 297 | 3564 |
| CA50 | 8 | 10.0 | 22 | 112 | 2464 |

RESUMO DO AÇO

| ACO | DIAM (mm) | C.TOTAL (m) | PESO+10% (kg) |
|------------------------|-----------|-------------|---------------|
| CA50 | 10.0 | 131.3 | 89.1 |
| CA60 | 5.0 | 147.1 | 24.9 |
| PESO TOTAL (kg) | | | |
| CA50 | | | 89.1 |
| CA60 | | | 24.9 |

(C-25) = 1.03 m²
Área de forma = 21.56 m²

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PROJETO PADRÃO 3
DELEGACIA DE PIRACANJUBA -GOIÁS

PROPRIETÁRIO: _____
Polícia Civil Do Estado de Goiás
CNPJ :37.014.123/0001-91

AUTOR DO PROJETO: _____
eng. Cláudio Henrique Garcez
CREA 9566/D-GO/DF

R.T.: _____

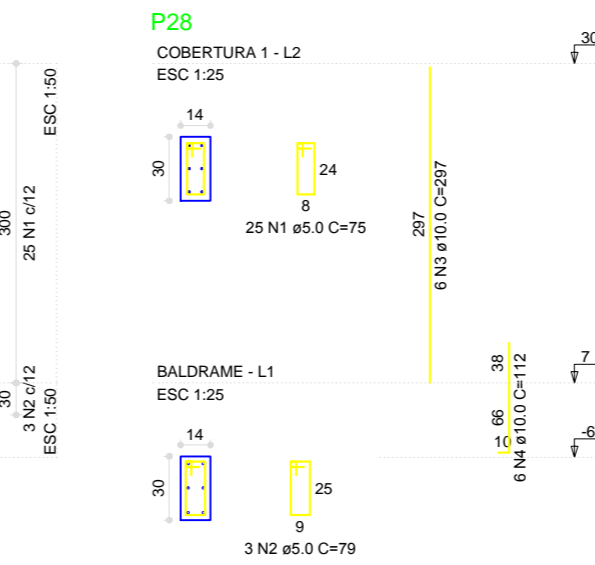
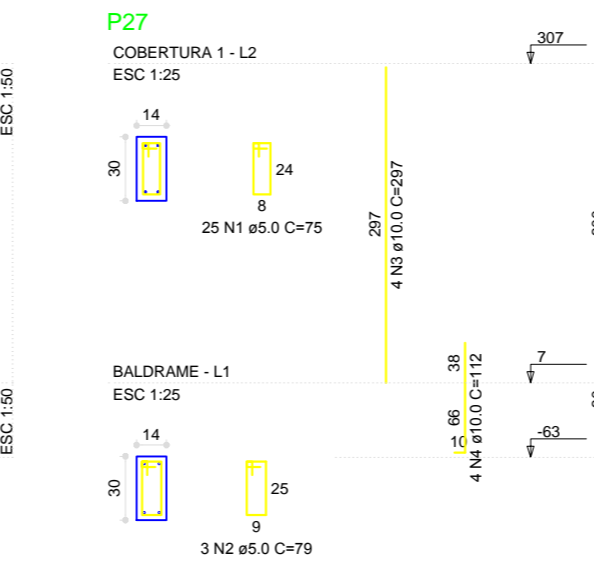
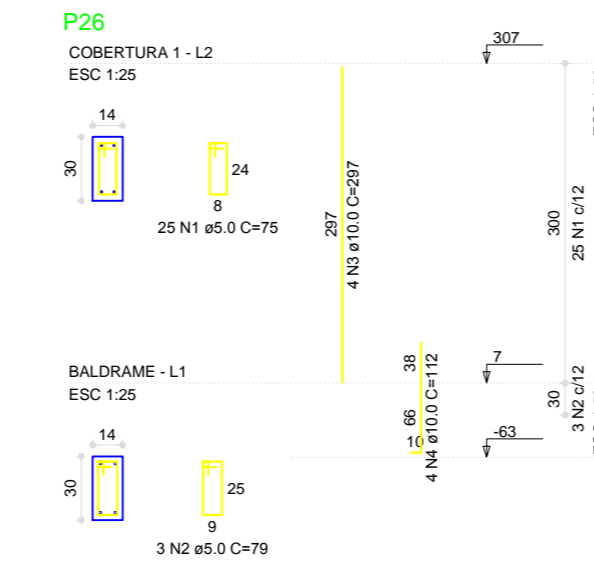
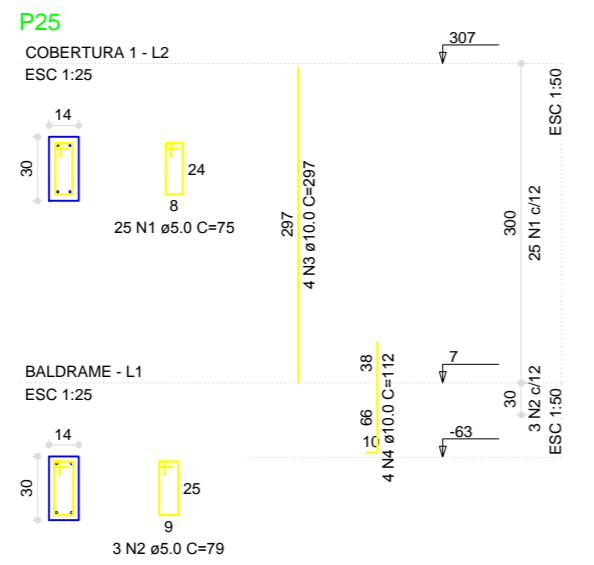
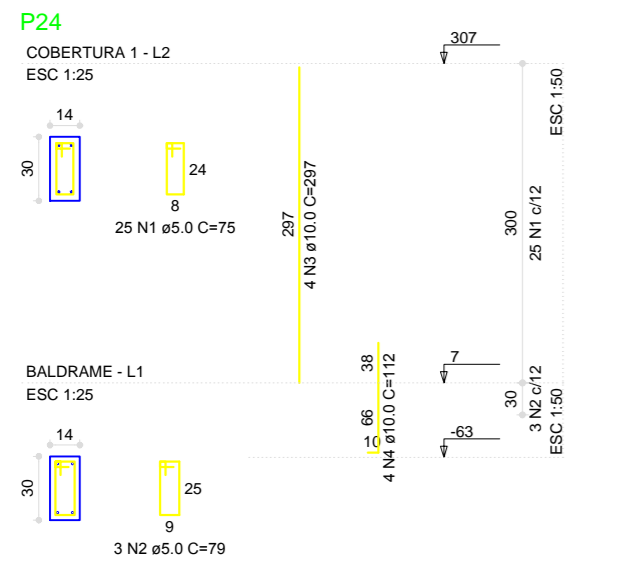
CONTEUDO: _____
ÁREAS: _____

-DETALHE DE PILAR : P14 ao P23
VER ARQUITETURA

DATA: _____
MAIO/2017
ESCALA: _____
INDICADA

APROVAÇÃO: _____

PRANCHA **4/14**



RELAÇÃO DO AÇO

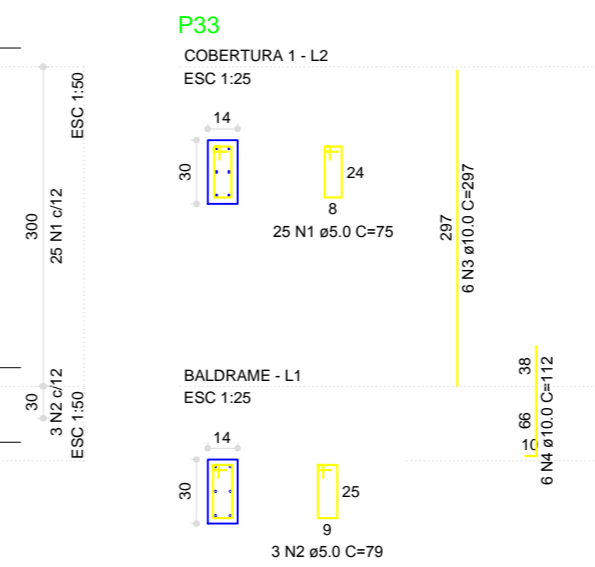
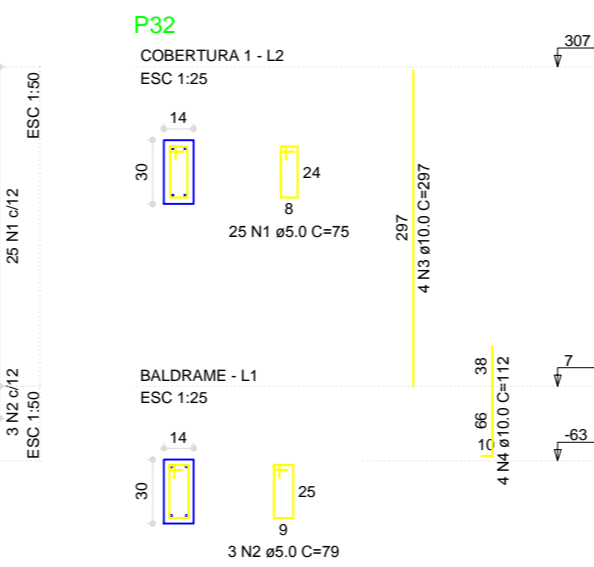
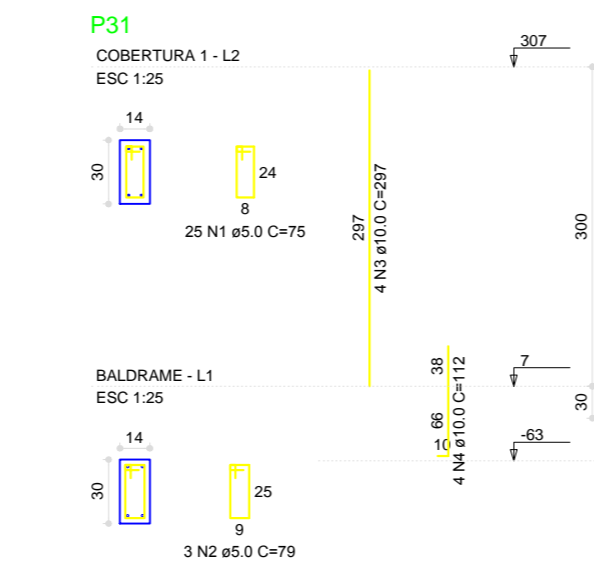
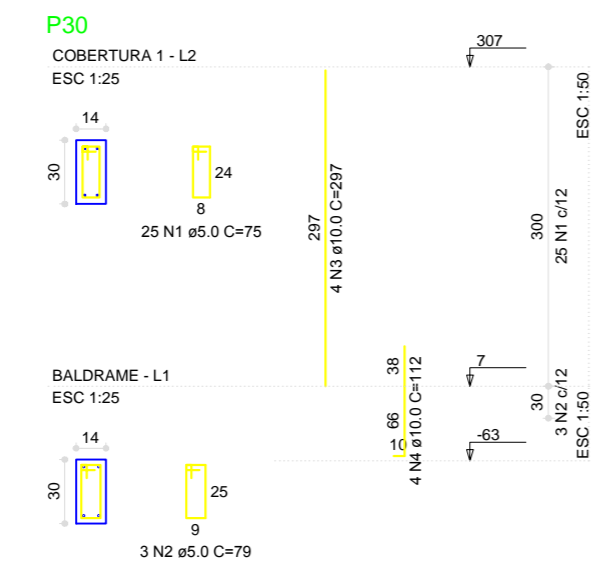
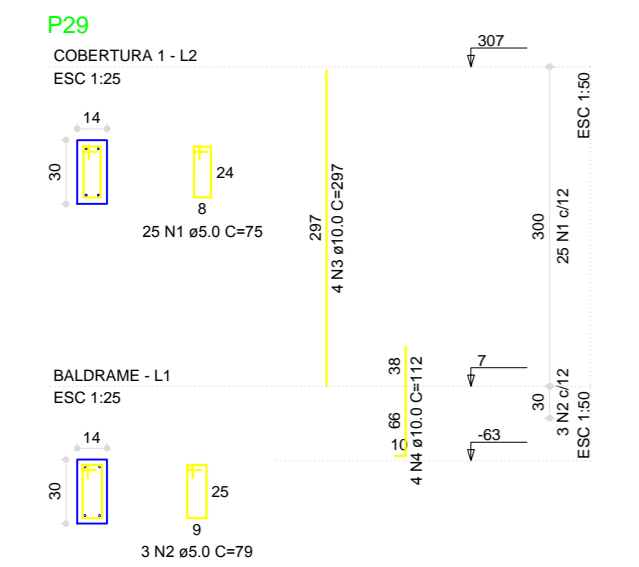
| AÇO | N | DIAM (mm) | QUANT (Barras) | UNIT (cm) | C.TOTAL (cm) |
|------|---|-----------|----------------|-----------|--------------|
| CA60 | 1 | 5.0 | 125 | 75 | 9375 |
| CA50 | 2 | 5.0 | 15 | 79 | 1185 |
| | 3 | 10.0 | 22 | 297 | 6534 |
| | 4 | 10.0 | 22 | 112 | 2464 |

RESUMO DO AÇO

| AÇO | DIAM (mm) | C.TOTAL (m) | PESO+10% (kg) |
|------|-----------|-------------|---------------|
| CA50 | 10.0 | 89.9 | 61.0 |
| CA60 | 5.0 | 106.3 | 18.0 |

PESO TOTAL (kg)
CA50 61.0
CA60 18.0

[C-25] = 0.78 m³
Área de forma = 16.28 m²



RELAÇÃO DO AÇO

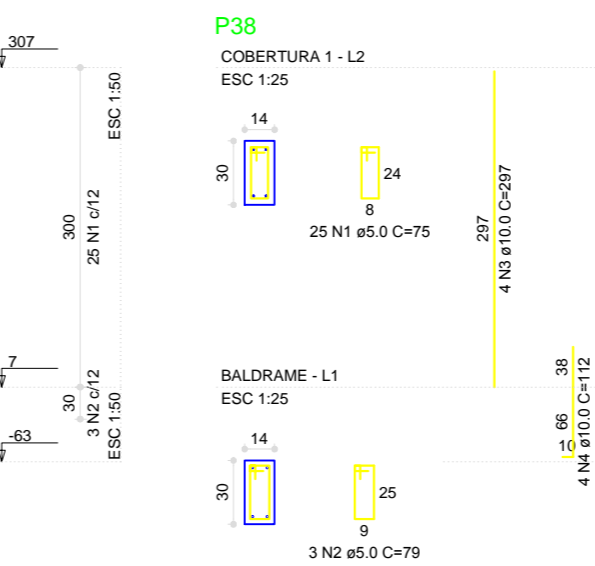
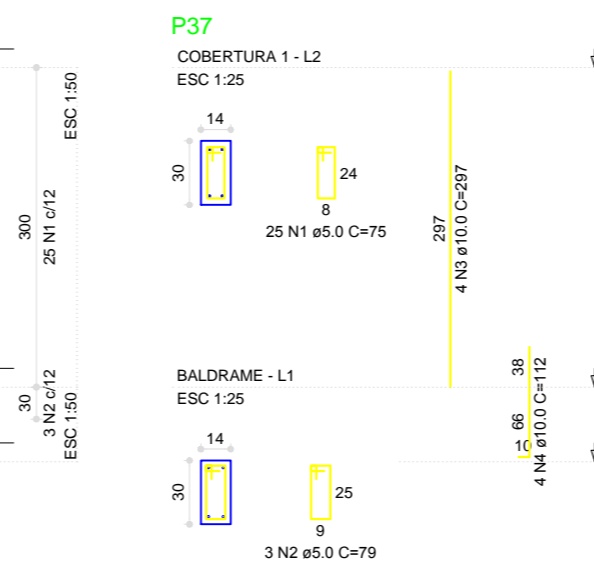
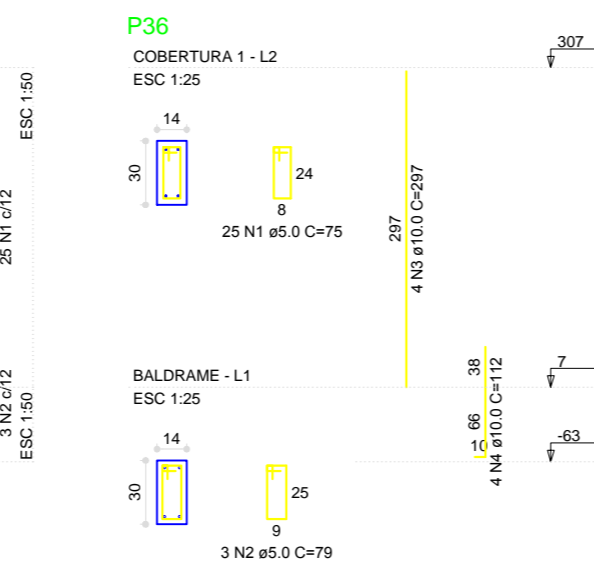
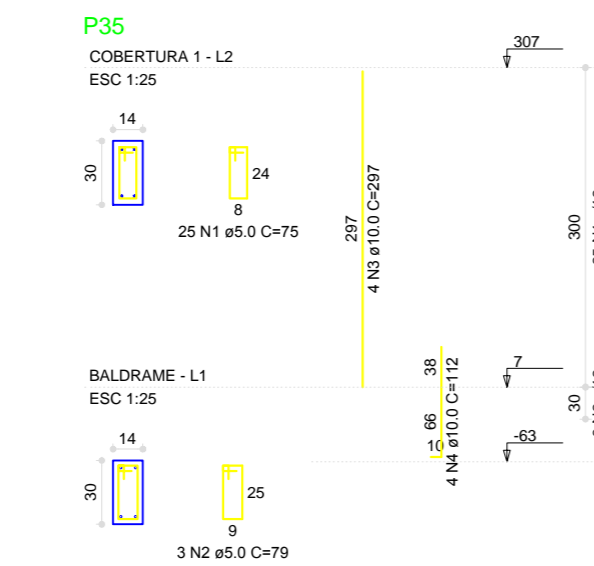
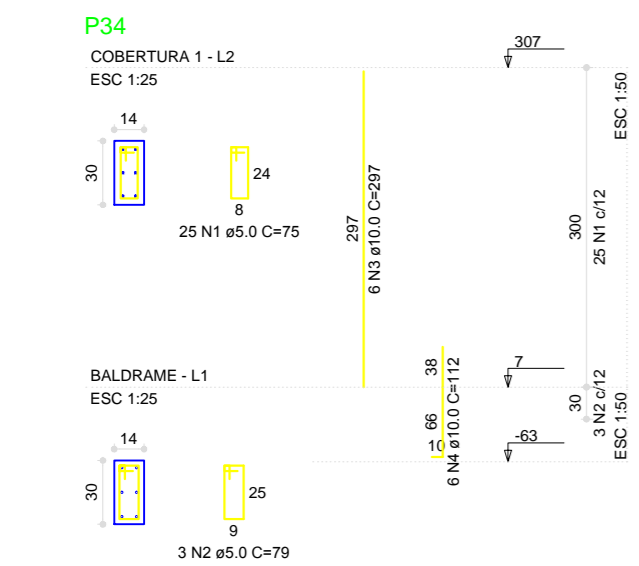
| AÇO | N | DIAM (mm) | QUANT (Barras) | UNIT (cm) | C.TOTAL (cm) |
|------|---|-----------|----------------|-----------|--------------|
| CA60 | 1 | 5.0 | 125 | 75 | 9375 |
| CA50 | 2 | 5.0 | 15 | 79 | 1185 |
| CA50 | 3 | 10.0 | 22 | 297 | 6534 |
| | 4 | 10.0 | 22 | 112 | 2464 |

RESUMO DO AÇO

| AÇO | DIAM (mm) | C.TOTAL (m) | PESO+10% (kg) |
|------|-----------|-------------|---------------|
| CA50 | 10.0 | 89.9 | 61.0 |
| CA60 | 5.0 | 106.3 | 18.0 |

PESO TOTAL (kg)
CA50 61.0
CA60 18.0

[C-25] = 0.78 m³
Área de forma = 16.28 m²



RELAÇÃO DO AÇO

| AÇO | N | DIAM (mm) | QUANT (Barras) | UNIT (cm) | C.TOTAL (cm) |
|------|---|-----------|----------------|-----------|--------------|
| CA60 | 1 | 5.0 | 125 | 75 | 9375 |
| CA50 | 2 | 5.0 | 15 | 79 | 1185 |
| CA50 | 3 | 10.0 | 22 | 297 | 6534 |
| | 4 | 10.0 | 22 | 112 | 2464 |

RESUMO DO AÇO

| AÇO | DIAM (mm) | C.TOTAL (m) | PESO+10% (kg) |
|------|-----------|-------------|---------------|
| CA50 | 10.0 | 89.9 | 61.0 |
| CA60 | 5.0 | 106.3 | 18.0 |

PESO TOTAL (kg)
CA50 61.0
CA60 18.0

[C-25] = 0.78 m³
Área de forma = 16.28 m²

| REVISÃO Nº | DATA | DESCRIÇÃO |
|------------|------------|-----------|
| xx | xx/xx/xxxx | |

Claudio Garcez
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Rua Dos Rubis , quadra 44 , lote 15 , Setor Goiânia II , Goiânia - GO
CEP 74663-570 , Fone : (62) 3206-0689/8417-0683

ESTRUTURA
PROJETO PADRÃO 3
DELEGACIA DE PIRACANJUBA -GOIÁS

PROPRIETÁRIO: _____
Policia Civil Do Estado de Goiás
CNPJ :37.014.123/0001-91

AUTOR DO PROJETO: _____
eng. Cláudio Henrique Garcez
CREA 9566/D-GO/DF

R.T.: _____

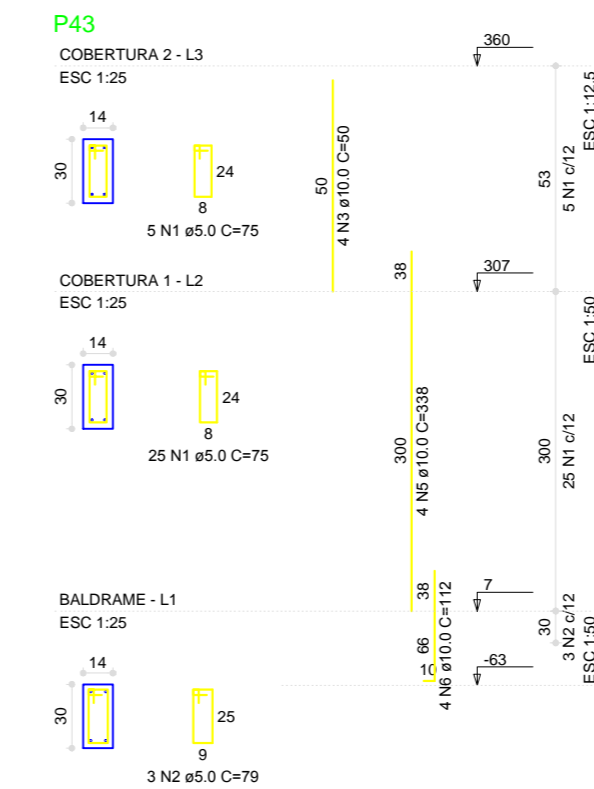
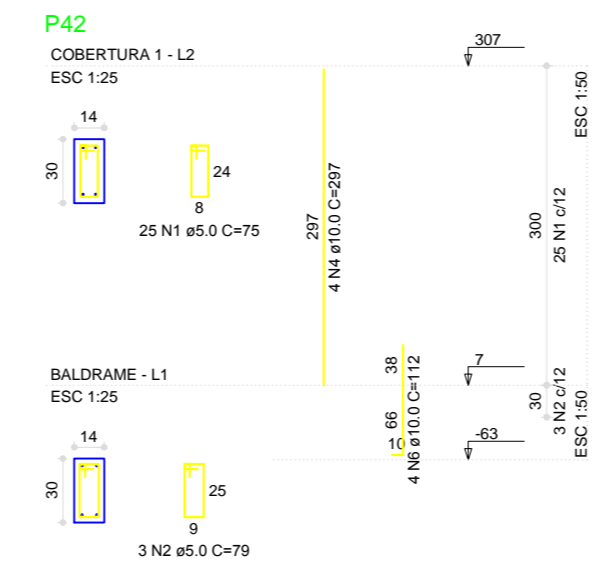
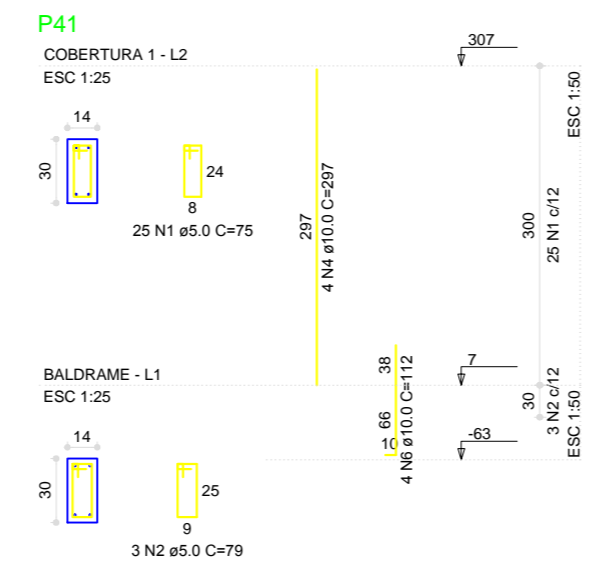
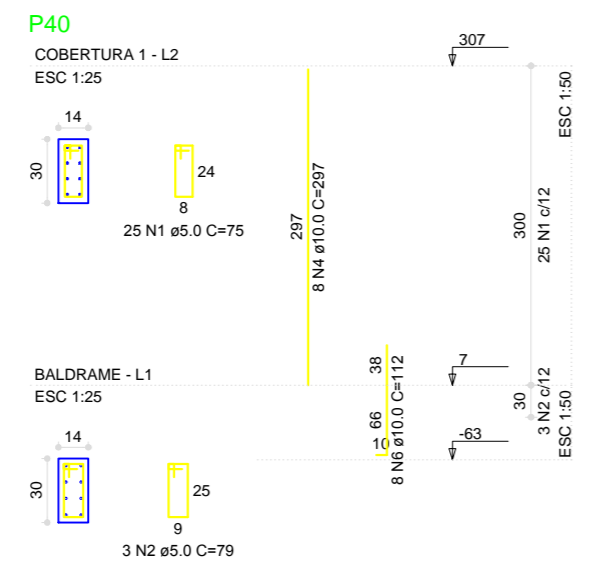
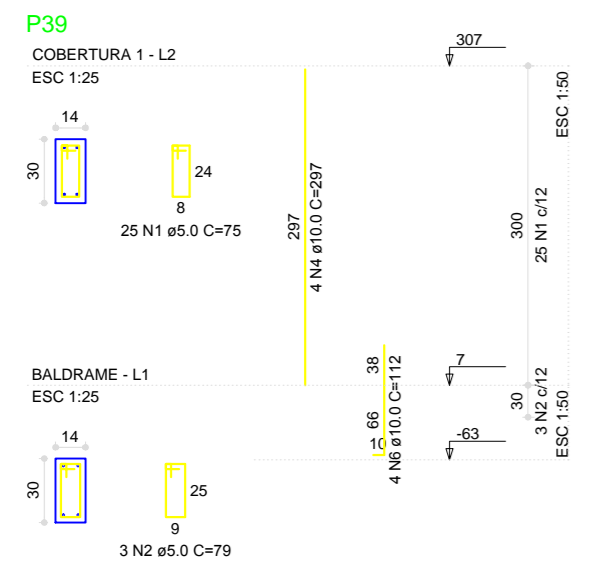
CONTEÚDO: _____
ÁREAS: _____

-DETALHE DE PILAR : P24 ao P38 _____
VER ARQUITETURA

DATA: _____
MAIO/2017 _____
ESCALA: _____
INDICADA

APROVAÇÃO: _____

PRANCHA **5/14**



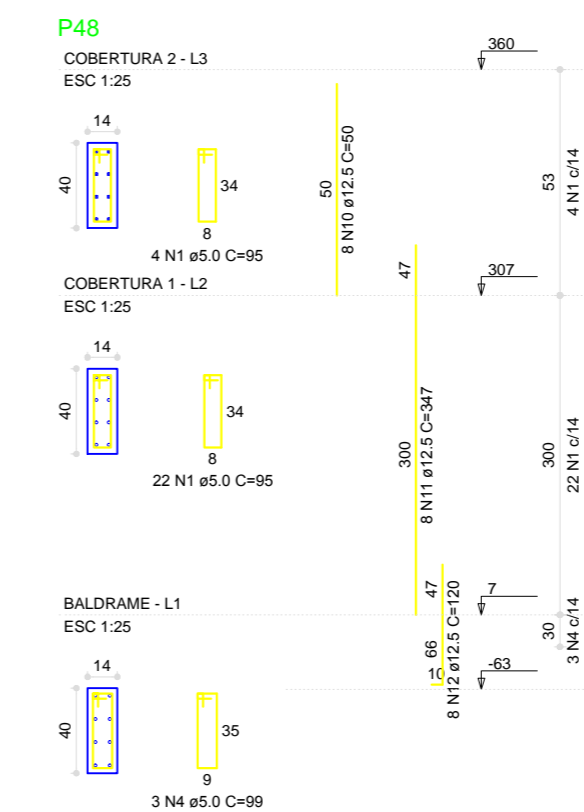
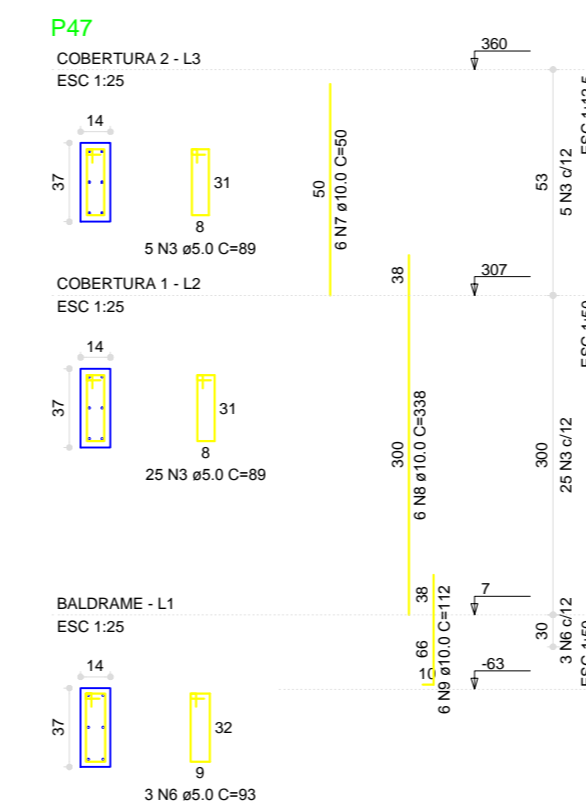
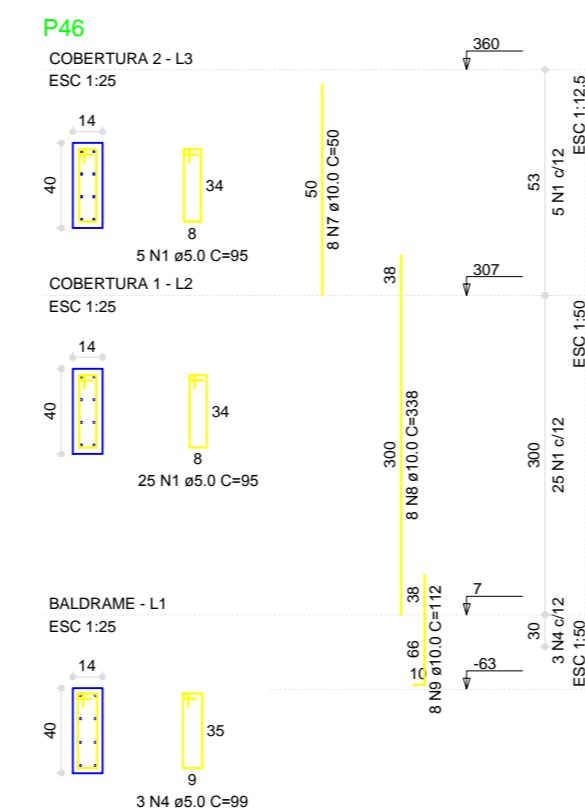
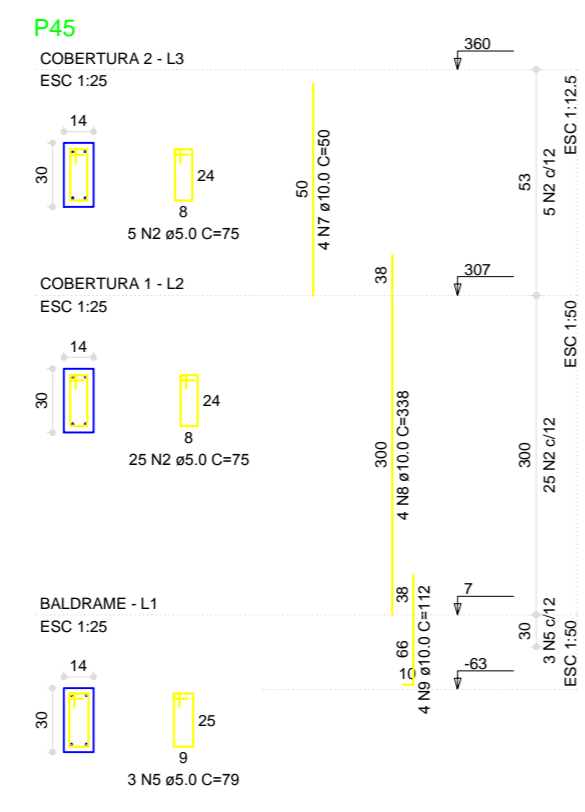
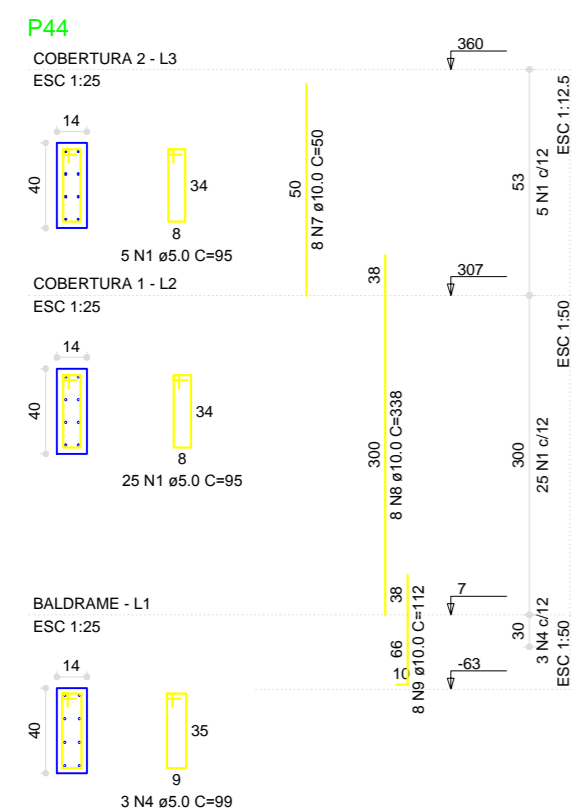
RELAÇÃO DO AÇO

| AÇO | N | DIAM (mm) | QUANT (Barras) | UNIT (cm) | C.TOTAL (cm) |
|------|---|-----------|----------------|-----------|--------------|
| CA60 | 1 | 5.0 | 130 | 75 | 9750 |
| CA50 | 2 | 5.0 | 15 | 79 | 1185 |
| | 3 | 10.0 | 4 | 89 | 790 |
| | 4 | 10.0 | 20 | 297 | 5940 |
| | 5 | 10.0 | 4 | 336 | 1344 |
| | 6 | 10.0 | 24 | 112 | 2688 |

RESUMO DO AÇO

| AÇO | DIAM (mm) | C.TOTAL (m) | PESO+10% (kg) |
|------------------------|-----------|-------------|---------------|
| CA50 | 10.0 | 101.7 | 89.0 |
| CA60 | 5.0 | 110.1 | 18.6 |
| PESO TOTAL (kg) | | | |
| CA50 | | | 89.0 |
| CA60 | | | 18.6 |

(C-25) = 0.8 m²
Área de forma = 16.75 m²



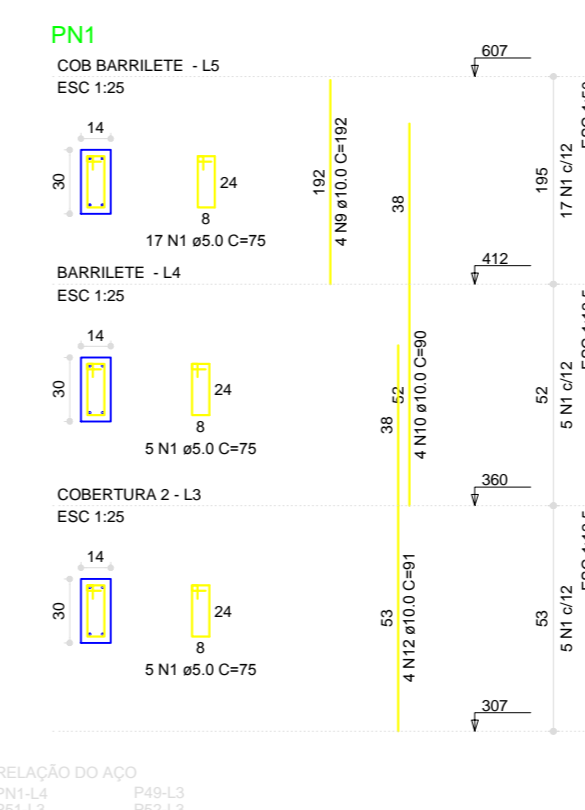
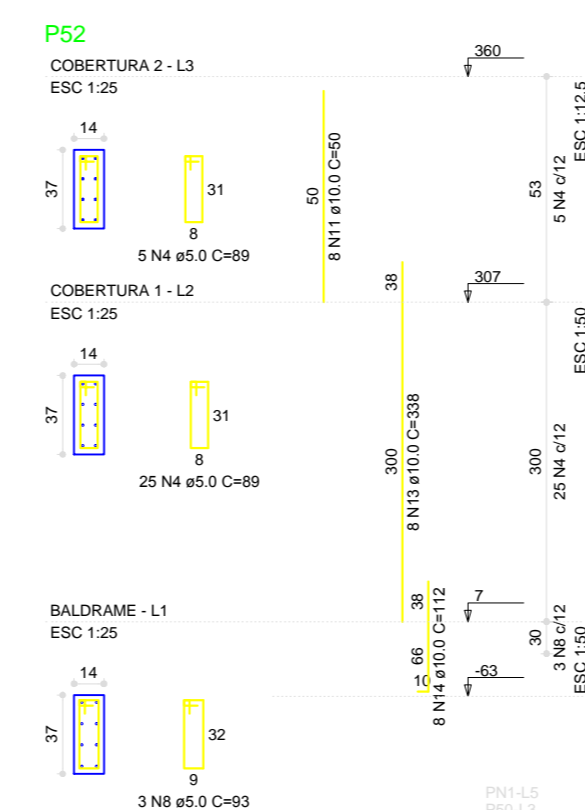
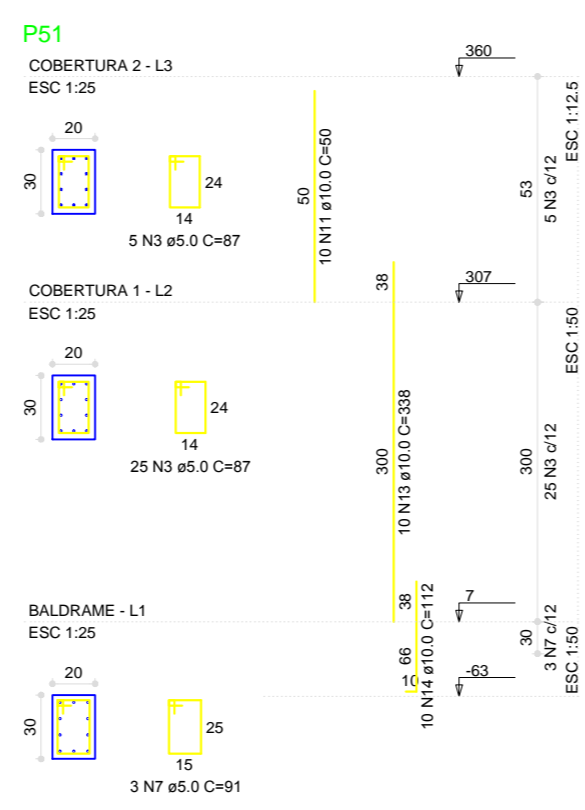
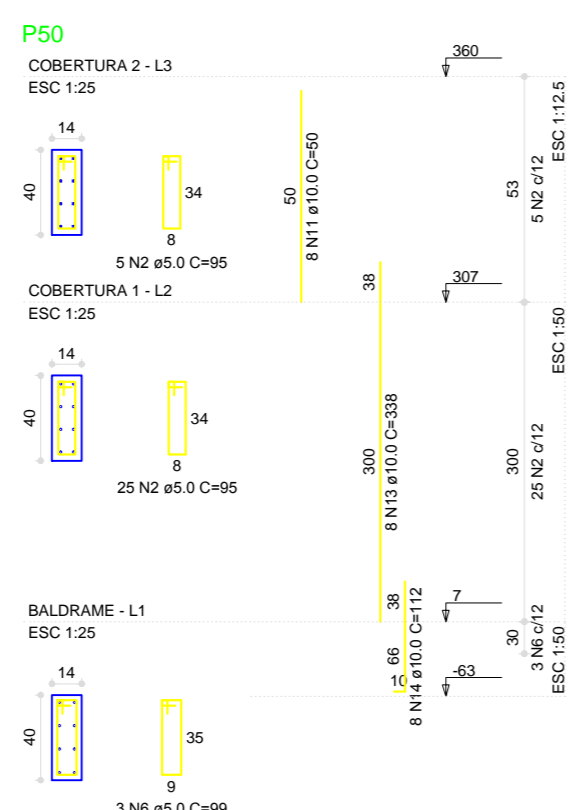
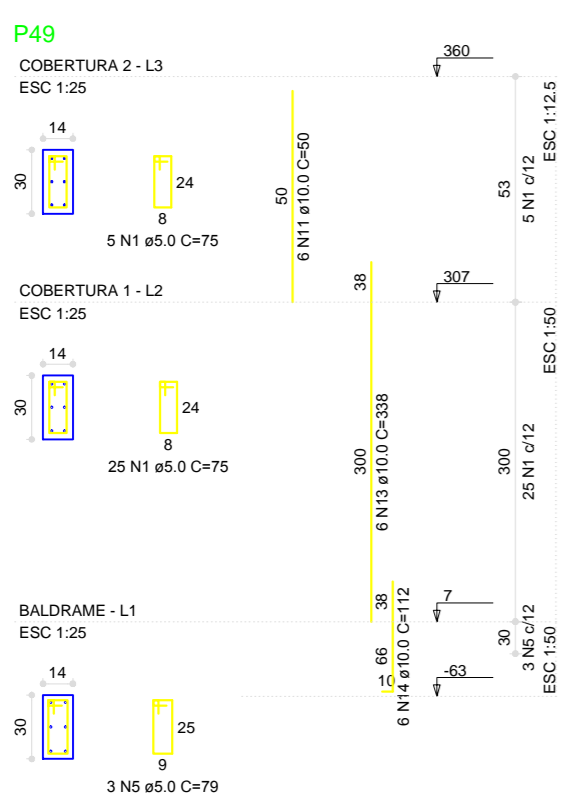
RELAÇÃO DO AÇO

| AÇO | N | DIAM (mm) | QUANT (Barras) | UNIT (cm) | C.TOTAL (cm) |
|------|----|-----------|----------------|-----------|--------------|
| CA60 | 1 | 5.0 | 36 | 95 | 8170 |
| | 2 | 5.0 | 30 | 75 | 2250 |
| | 3 | 5.0 | 30 | 89 | 2670 |
| | 4 | 5.0 | 9 | 99 | 591 |
| | 5 | 5.0 | 3 | 79 | 237 |
| | 6 | 5.0 | 3 | 93 | 279 |
| CA50 | 7 | 10.0 | 26 | 50 | 1300 |
| | 8 | 10.0 | 28 | 335 | 8780 |
| | 9 | 10.0 | 25 | 112 | 2912 |
| | 10 | 12.5 | 8 | 50 | 400 |
| | 11 | 12.5 | 8 | 947 | 2776 |
| | 12 | 12.5 | 8 | 120 | 960 |

RESUMO DO AÇO

| AÇO | DIAM (mm) | C.TOTAL (m) | PESO+10% (kg) |
|------------------------|-----------|-------------|---------------|
| CA50 | 10.0 | 129.9 | 88.1 |
| CA60 | 5.0 | 41.4 | 43.9 |
| PESO TOTAL (kg) | | | |
| CA50 | | | 132.0 |
| CA60 | | | 24.7 |

(C-25) = 1.11 m²
Área de forma = 21.74 m²



RESUMO DO AÇO

| AÇO | DIAM (mm) | C.TOTAL (m) | PESO+10% (kg) |
|------------------------|-----------|-------------|---------------|
| CA50 | 10.0 | 174.8 | 118.6 |
| CA60 | 5.0 | 135.7 | 23.0 |
| PESO TOTAL (kg) | | | |
| CA50 | | | 118.6 |
| CA60 | | | 23.0 |

(C-25) = 1.01 m²
Área de forma = 19.48 m²

RELAÇÃO DO AÇO

| AÇO | N | DIAM (mm) | QUANT (Barras) | UNIT (cm) | C.TOTAL (cm) |
|------|----|-----------|----------------|-----------|--------------|
| CA60 | 1 | 5.0 | 57 | 75 | 4275 |
| | 2 | 5.0 | 30 | 95 | 2850 |
| | 3 | 5.0 | 30 | 87 | 2610 |
| | 4 | 5.0 | 30 | 38 | 2570 |
| | 5 | 5.0 | 30 | 79 | 2370 |
| | 6 | 5.0 | 3 | 83 | 249 |
| | 7 | 5.0 | 3 | 91 | 273 |
| | 8 | 5.0 | 3 | 83 | 249 |
| CA50 | 9 | 10.0 | 4 | 192 | 768 |
| | 10 | 10.0 | 4 | 90 | 360 |
| | 11 | 10.0 | 32 | 59 | 1888 |
| | 12 | 10.0 | 4 | 91 | 364 |
| | 13 | 10.0 | 32 | 328 | 10496 |
| | 14 | 10.0 | 32 | 112 | 3584 |

REVISÃO Nº: xx DATA: xx/xx/xxxx DESCRIÇÃO:

Claudio Garcez

Projetos & Consultoria

Rua Dos Rubis, quadra 44, lote 15, Setor Goiânia II, Goiânia - GO
 CEP 74663-570, Fone: (62) 3206-0689/8417-0683

ESTRUTURA
 PROJETO PADRÃO 3
 DELEGACIA DE PIRACANJUBA - GOIÁS

PROPRIETÁRIO: Polícia Civil Do Estado de Goiás
 CNPJ: 37.014.123/0001-91

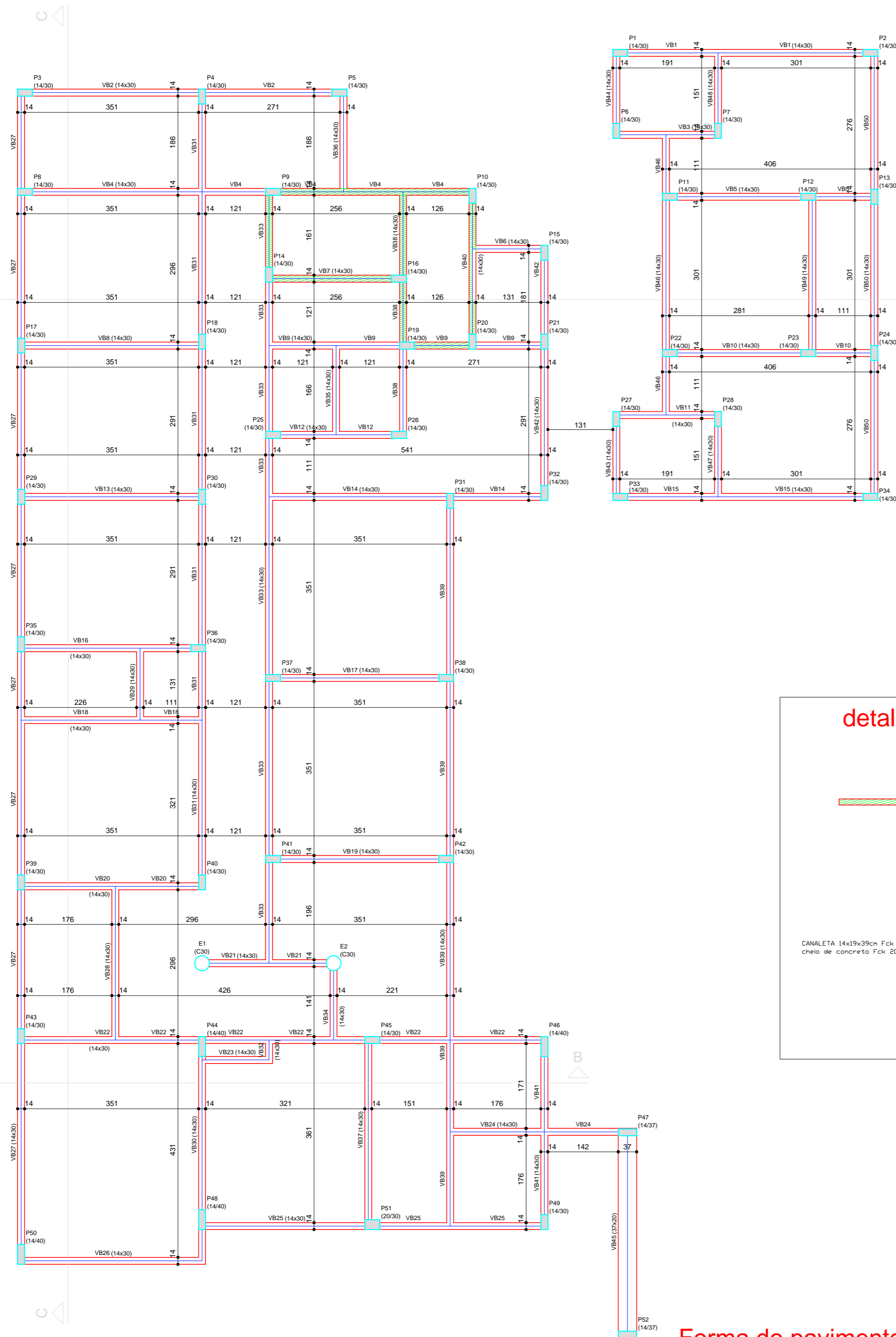
AUTOR DO PROJETO: eng. Cláudio Henrique Garcez
 CREA 9566/D-GO/DF

R.T.:

CONTEUDO: ÁREAS:
 -DETALHE DE PILAR: P39 ao P52 / PN1 VER ARQUITETURA

DATA: MAIO/2017 ESCALA: INDICADA

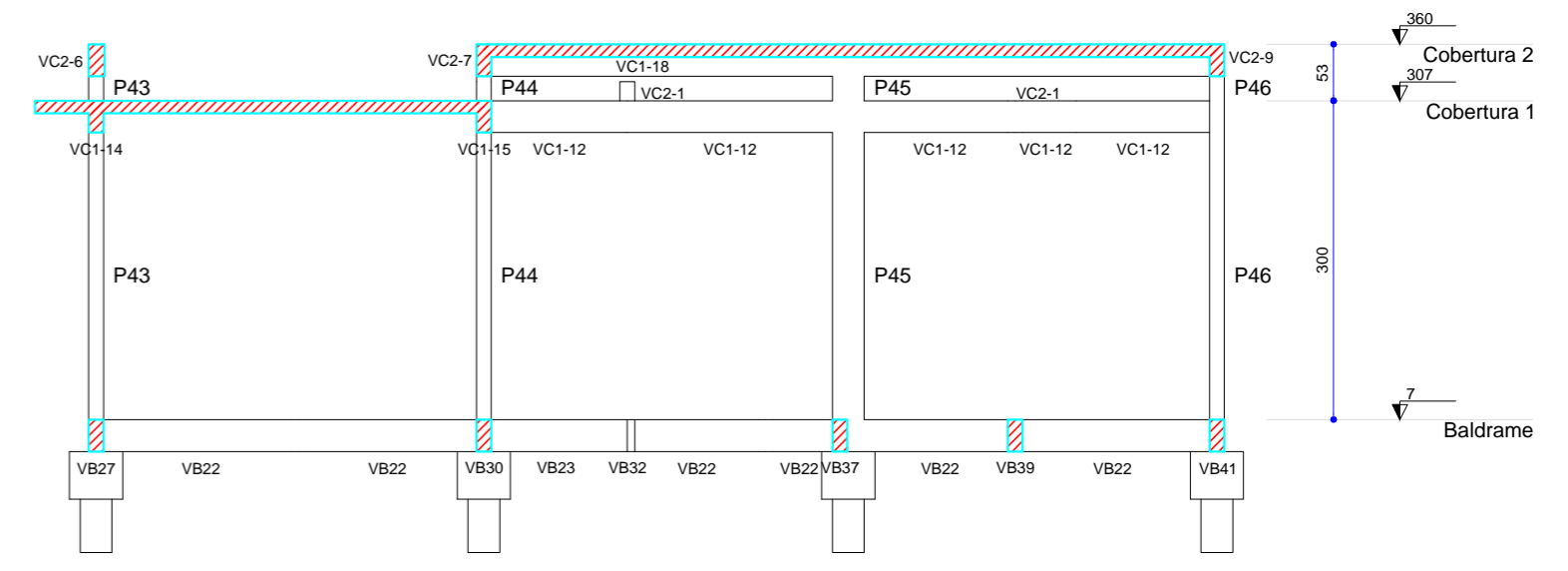
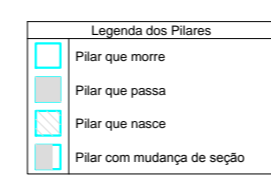
APROVAÇÃO:



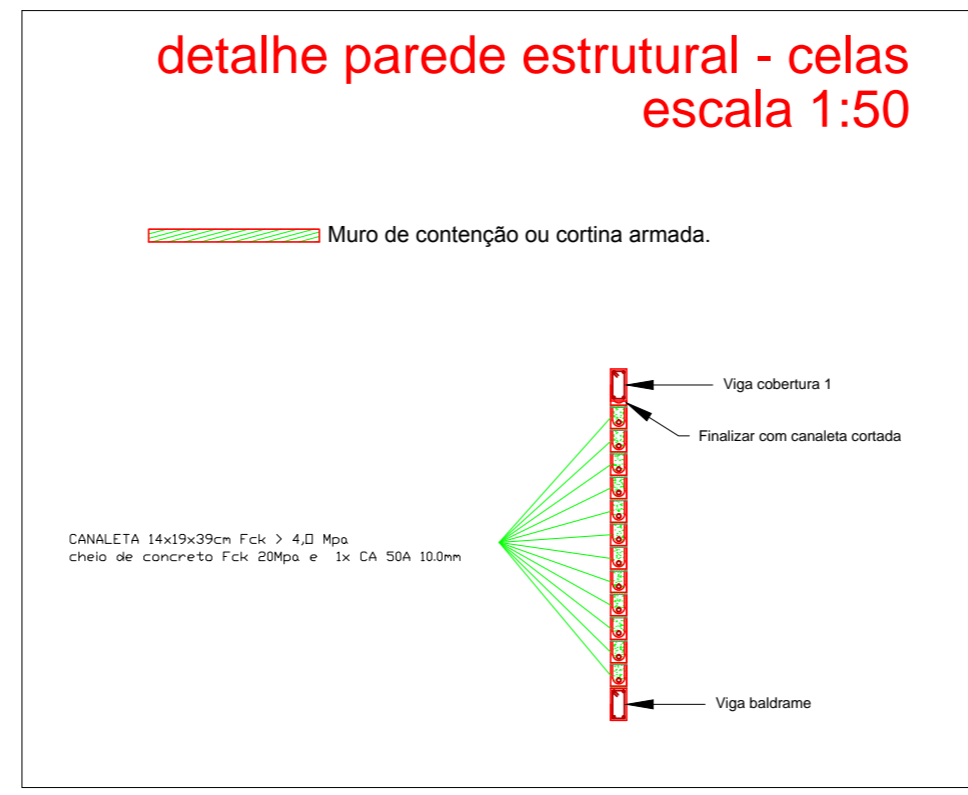
| Nome | Seção (cm) | Elevação (cm) | Nível (cm) |
|------|------------|---------------|------------|
| VB1 | 14x30 | 0 | 7 |
| VB2 | 14x30 | 0 | 7 |
| VB3 | 14x30 | 0 | 7 |
| VB4 | 14x30 | 0 | 7 |
| VB5 | 14x30 | 0 | 7 |
| VB6 | 14x30 | 0 | 7 |
| VB7 | 14x30 | 0 | 7 |
| VB8 | 14x30 | 0 | 7 |
| VB9 | 14x30 | 0 | 7 |
| VB10 | 14x30 | 0 | 7 |
| VB11 | 14x30 | 0 | 7 |
| VB12 | 14x30 | 0 | 7 |
| VB13 | 14x30 | 0 | 7 |
| VB14 | 14x30 | 0 | 7 |
| VB15 | 14x30 | 0 | 7 |
| VB16 | 14x30 | 0 | 7 |
| VB17 | 14x30 | 0 | 7 |
| VB18 | 14x30 | 0 | 7 |
| VB19 | 14x30 | 0 | 7 |
| VB20 | 14x30 | 0 | 7 |
| VB21 | 14x30 | 0 | 7 |
| VB22 | 14x30 | 0 | 7 |
| VB23 | 14x30 | 0 | 7 |
| VB24 | 14x30 | 0 | 7 |
| VB25 | 14x30 | 0 | 7 |
| VB26 | 14x30 | 0 | 7 |
| VB27 | 14x30 | 0 | 7 |
| VB28 | 14x30 | 0 | 7 |
| VB29 | 14x30 | 0 | 7 |
| VB30 | 14x30 | 0 | 7 |
| VB31 | 14x30 | 0 | 7 |
| VB32 | 14x30 | 0 | 7 |
| VB33 | 14x30 | 0 | 7 |
| VB34 | 14x30 | 0 | 7 |
| VB35 | 14x30 | 0 | 7 |
| VB36 | 14x30 | 0 | 7 |
| VB37 | 14x30 | 0 | 7 |
| VB38 | 14x30 | 0 | 7 |
| VB39 | 14x30 | 0 | 7 |
| VB40 | 14x30 | 0 | 7 |
| VB41 | 14x30 | 0 | 7 |
| VB42 | 14x30 | 0 | 7 |
| VB43 | 14x30 | 0 | 7 |
| VB44 | 14x30 | 0 | 7 |
| VB45 | 14x30 | 0 | 7 |
| VB46 | 14x30 | 0 | 7 |
| VB47 | 14x30 | 0 | 7 |
| VB48 | 14x30 | 0 | 7 |
| VB49 | 14x30 | 0 | 7 |
| VB50 | 14x30 | 0 | 7 |

| Características dos materiais | | | |
|-------------------------------|-----------|-----------|------------|
| fk | Ecs | fct | Abatimento |
| (kgf/cm²) | (kgf/cm²) | (kgf/cm²) | (cm) |
| 250 | 241500 | 26 | 5,00 |

Dimensão máxima do agregado = 19 mm



Corte B-B
escala 1:50



Forma do pavimento Baldrame (Nível 7)
escala 1:50

| REVISÃO Nº | DATA | DESCRIÇÃO |
|------------|------------|-----------|
| xx | xx/xx/xxxx | |

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CEP 74663-570 , Fone : (62) 3206-0689/8417-0683

ESTRUTURA
PROJETO PADRÃO 3
DELEGACIA DE PIRACANJUBA - GOIÁS

PROPRIETÁRIO: _____
Polícia Civil Do Estado de Goiás
CNPJ :37.014.123/0001-91

AUTOR DO PROJETO: _____
eng. Cláudio Henrique Garcez
CREA 9566/D-GO/DF

R.T.: _____

CONTEÚDO: _____

FORMA DO PAVIMENTO BALDRAME _____
CORTE BB _____

DATA: _____

APROVAÇÃO: _____

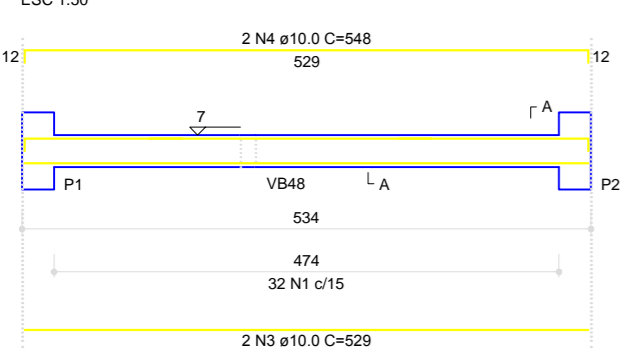
ÁREAS: _____

VER ARQUITETURA

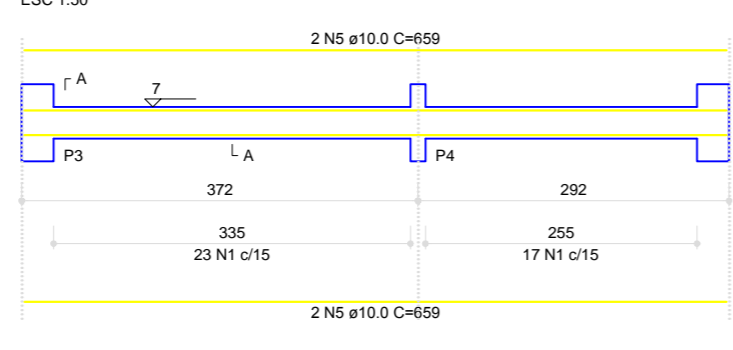
ESCALA: INDICADA

PRANCHA **7/14**

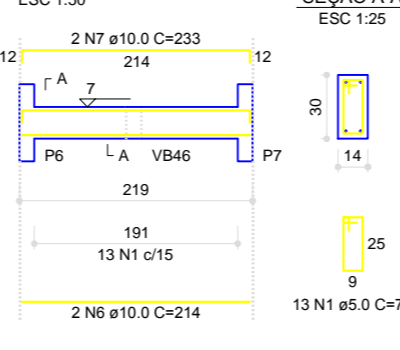
VB1 (14 x 30)



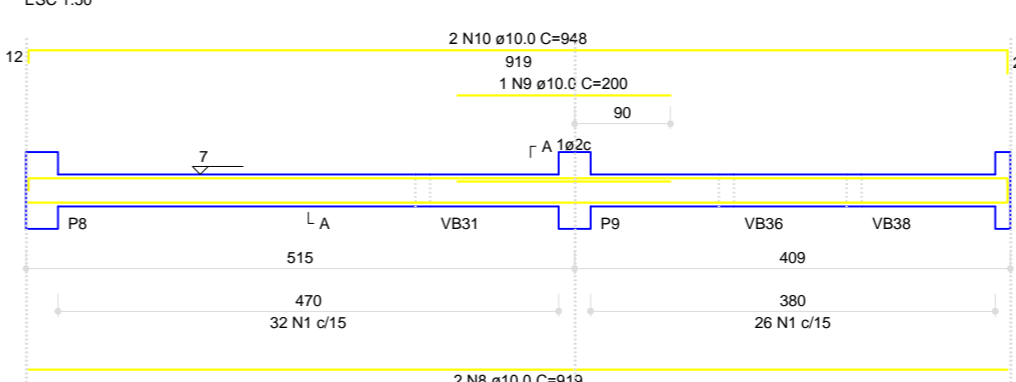
VB2 (14 x 30)



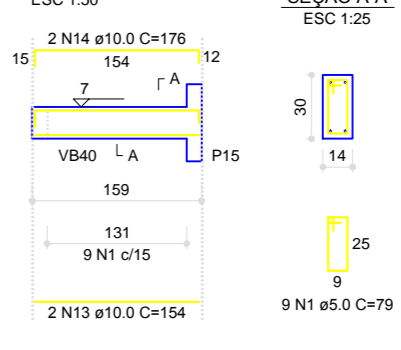
VB3 (14 x 30)



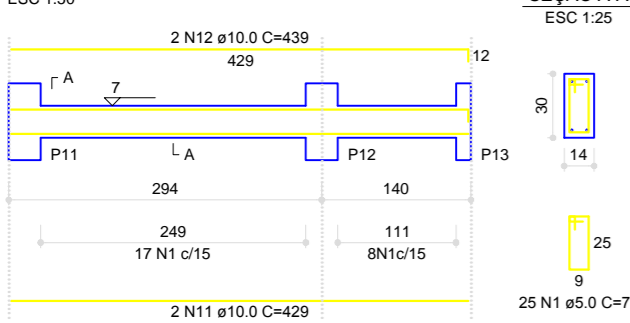
VB4 (14 x 30)



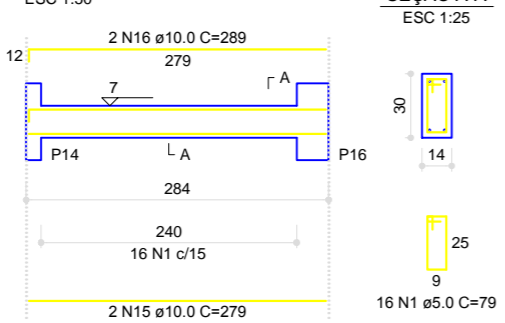
VB6 (14 x 30)



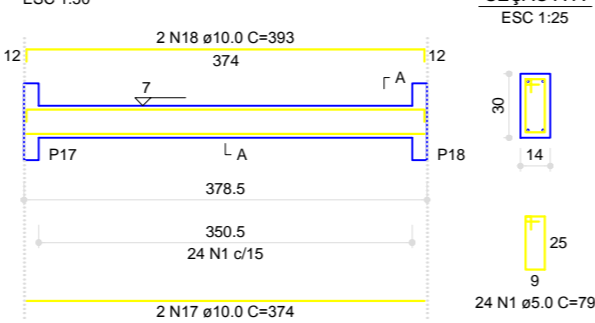
VB5 (14 x 30)



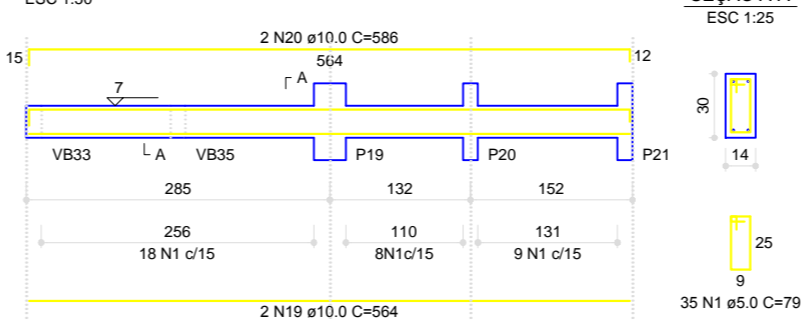
VB7 (14 x 30)



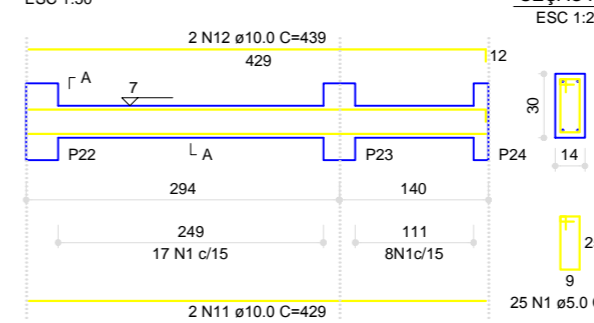
VB8 (14 x 30)



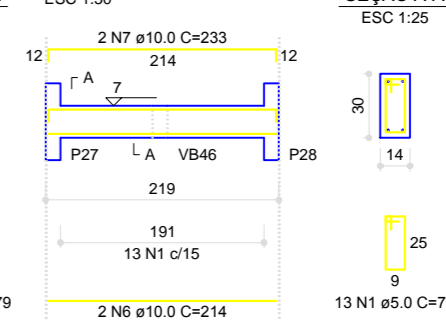
VB9 (14 x 30)



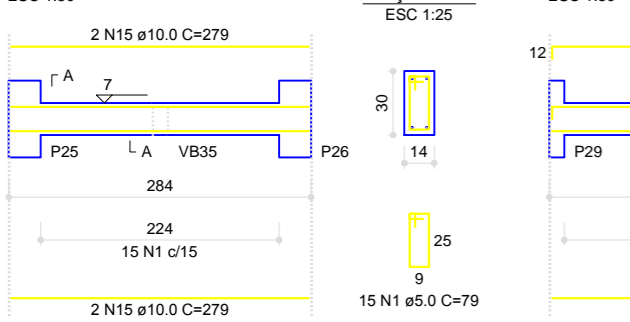
VB10 (14 x 30)



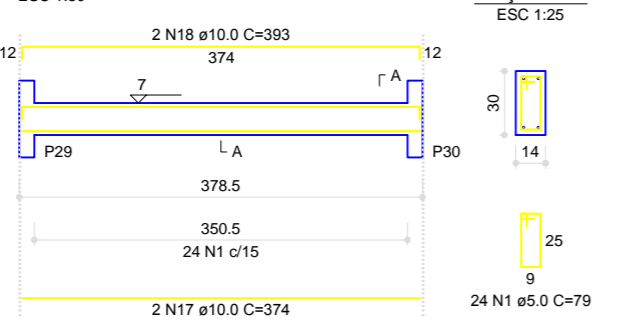
VB11 (14 x 30)



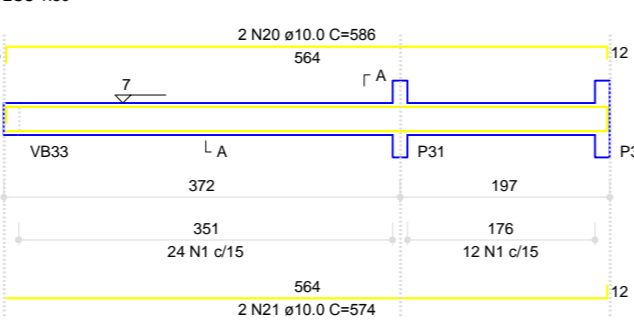
VB12 (14 x 30)



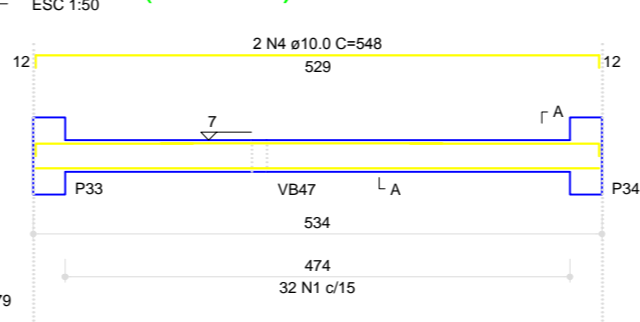
VB13 (14 x 30)



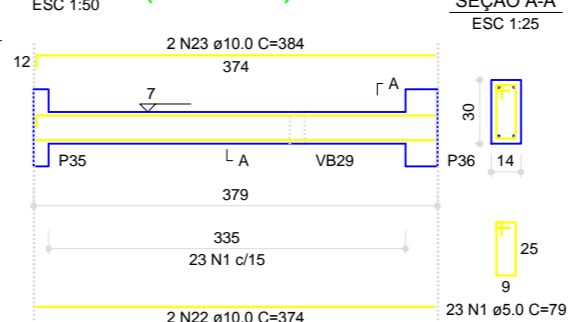
VB14 (14 x 30)



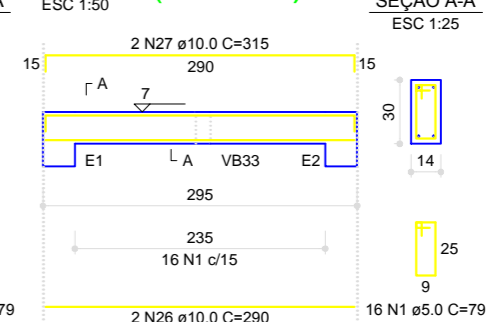
VB15 (14 x 30)



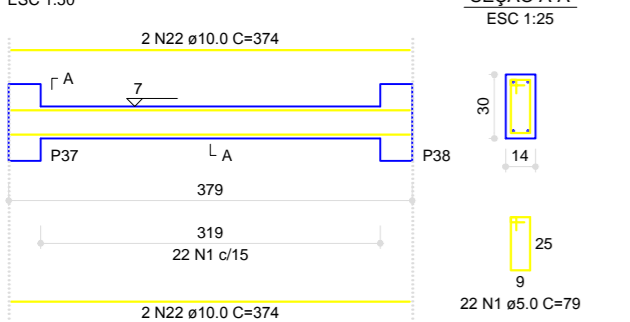
VB16 (14 x 30)



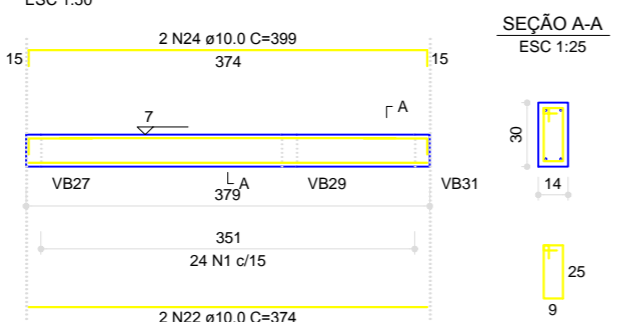
VB21 (14 x 30)



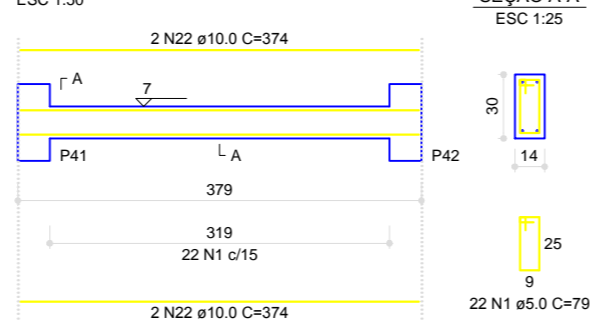
VB17 (14 x 30)



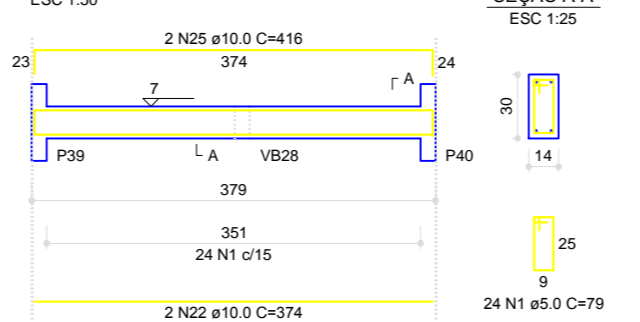
VB18 (14 x 30)



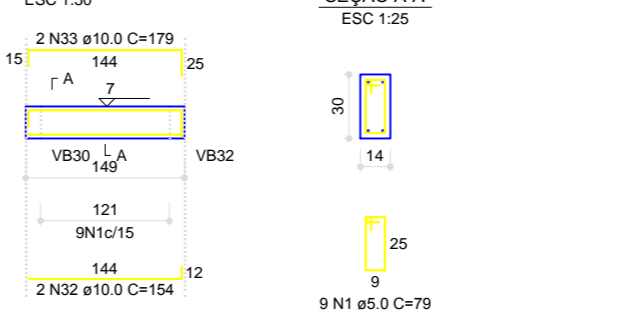
VB19 (14 x 30)



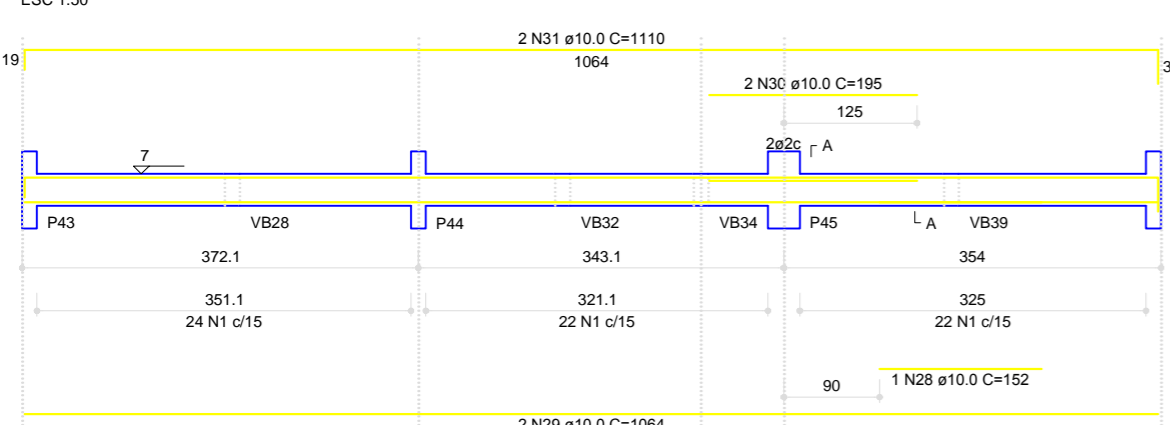
VB20 (14 x 30)



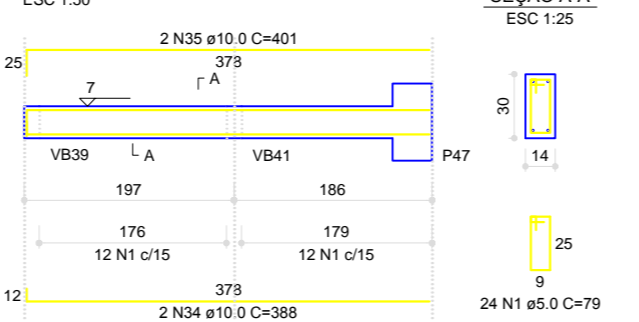
VB23 (14 x 30)



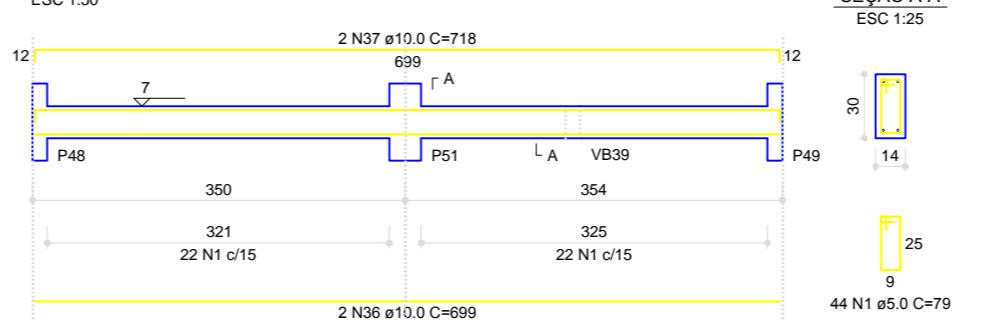
VB22 (14 x 30)



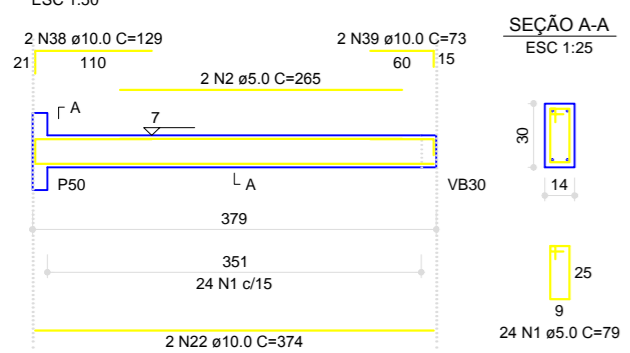
VB24 (14 x 30)



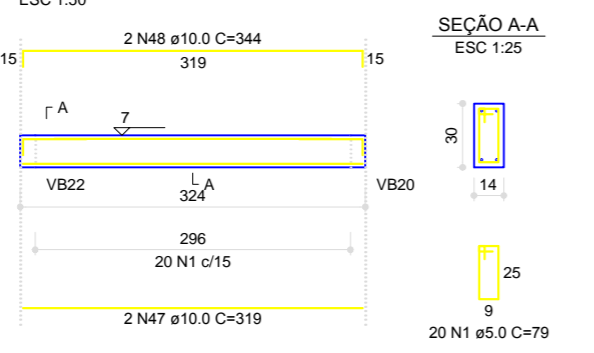
VB25 (14 x 30)



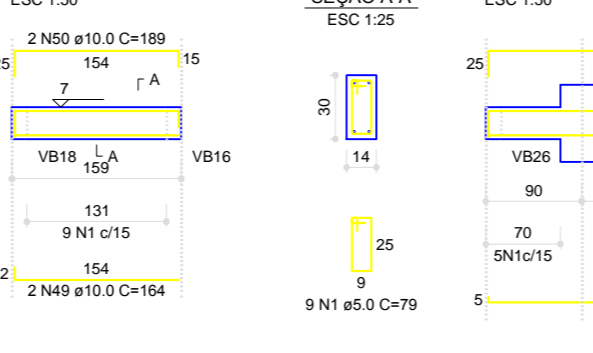
VB26 (14 x 30)



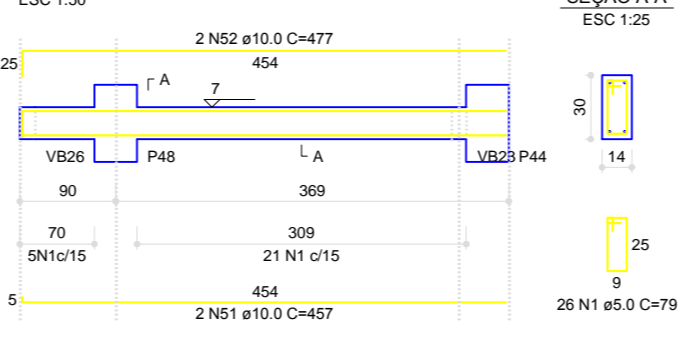
VB28 (14 x 30)



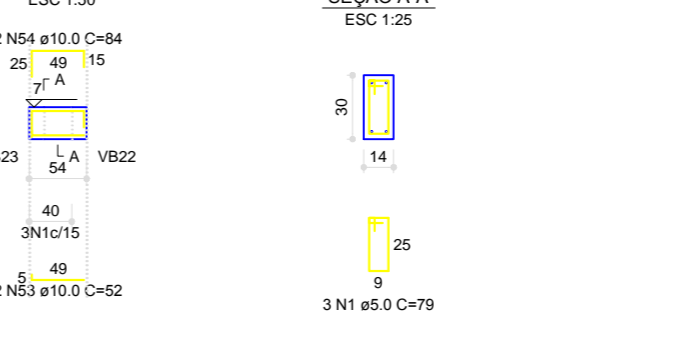
VB29 (14 x 30)



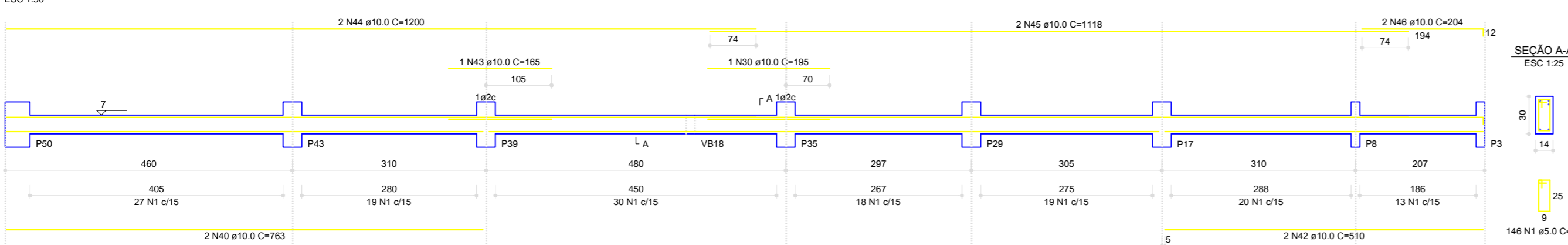
VB30 (14 x 30)



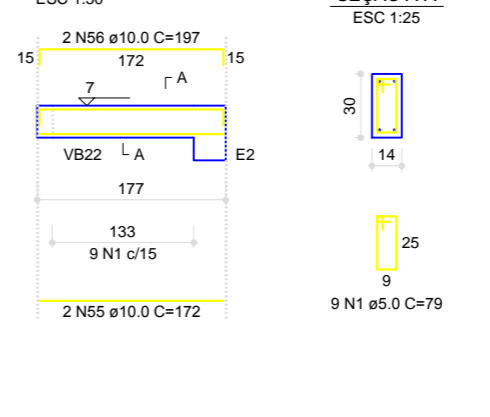
VB32 (14 x 30)



VB27 (14 x 30)



VB34 (14 x 30)



RELAÇÃO DO AÇO

| AÇO | N | DIAM (mm) | QUANT (Barra) | UNIT (cm) | C.TOTAL (cm) |
|------|----|-----------|---------------|-----------|--------------|
| CA80 | 1 | 5.0 | 910 | 79 | 71890 |
| CA80 | 2 | 5.0 | 265 | 530 | 14065 |
| CA80 | 3 | 10.0 | 4 | 529 | 2116 |
| CA80 | 4 | 10.0 | 4 | 548 | 2192 |
| CA80 | 5 | 10.0 | 4 | 659 | 2636 |
| CA80 | 6 | 10.0 | 4 | 214 | 856 |
| CA80 | 7 | 10.0 | 3 | 233 | 892 |
| CA80 | 8 | 10.0 | 8 | 919 | 3688 |
| CA80 | 9 | 10.0 | 200 | 200 | 2000 |
| CA80 | 10 | 10.0 | 948 | 1896 | 17952 |
| CA80 | 11 | 10.0 | 429 | 152 | 65208 |
| CA80 | 12 | 10.0 | 439 | 1758 | 77142 |
| CA80 | 13 | 10.0 | 154 | 308 | 47452 |
| CA80 | 14 | 10.0 | 176 | 352 | 61952 |
| CA80 | 15 | 10.0 | 279 | 1024 | 285816 |
| CA80 | 16 | 10.0 | 289 | 578 | 167042 |
| CA80 | 17 | 10.0 | 374 | 1496 | 558824 |
| CA80 | 18 | 10.0 | 393 | 1372 | 539016 |
| CA80 | 19 | 10.0 | 564 | 1128 | 6350016 |
| CA80 | 20 | 10.0 | 596 | 2344 | 1396416 |
| CA80 | 21 | 10.0 | 574 | 1148 | 656412 |
| CA80 | 22 | 10.0 | 374 | 5984 | 2238016 |
| CA80 | 23 | 10.0 | 384 | 768 | 295212 |
| CA80 | 24 | 10.0 | 384 | 796 | 306432 |
| CA80 | 25 | 10.0 | 416 | 1024 | 425984 |
| CA80 | 26 | 10.0 | 290 | 580 | 168200 |
| CA80 | 27 | 10.0 | 315 | 630 | 199050 |
| CA80 | 28 | 10.0 | 129 | 152 | 19608 |
| CA80 | 29 | 10.0 | 1064 | 2128 | 226432 |
| CA80 | 30 | 10.0 | 196 | 588 | 115128 |
| CA80 | 31 | 10.0 | 1110 | 2220 | 246420 |
| CA80 | 32 | 10.0 | 154 | 308 | 47452 |
| CA80 | 33 | 10.0 | 179 | 358 | 64062 |
| CA80 | 34 | 10.0 | 386 | 776 | 299936 |
| CA80 | 35 | 10.0 | 416 | 832 | 348128 |
| CA80 | 36 | 10.0 | 290 | 580 | 168200 |
| CA80 | 37 | 10.0 | 315 | 630 | 199050 |
| CA80 | 38 | 10.0 | 129 | 152 | 19608 |
| CA80 | 39 | 10.0 | 1064 | 2128 | 226432 |
| CA80 | 40 | 10.0 | 196 | 588 | 115128 |
| CA80 | 41 | 10.0 | 1110 | 2220 | 246420 |
| CA80 | 42 | 10.0 | 154 | 308 | 47452 |
| CA80 | 43 | 10.0 | 179 | 358 | 64062 |
| CA80 | 44 | 10.0 | 386 | 776 | 299936 |
| CA80 | 45 | 10.0 | 416 | 832 | 348128 |
| CA80 | 46 | 10.0 | 290 | 580 | 168200 |
| CA80 | 47 | 10.0 | 315 | 630 | 199050 |
| CA80 | 48 | 10.0 | 129 | 152 | 19608 |
| CA80 | 49 | 10.0 | 1064 | 2128 | 226432 |
| CA80 | 50 | 10.0 | 196 | 588 | 115128 |
| CA80 | 51 | 10.0 | 1110 | 2220 | 246420 |
| CA80 | 52 | 10.0 | 154 | 308 | 47452 |
| CA80 | 53 | 10.0 | 179 | 358 | 64062 |
| CA80 | 54 | 10.0 | 386 | 776 | 299936 |
| CA80 | 55 | 10.0 | 416 | 832 | 348128 |
| CA80 | 56 | 10.0 | 290 | 580 | 168200 |

RESUMO DO AÇO

| AÇO | DIAM (mm) | C.TOTAL (m) | PESO-10% (kg) |
|-----------------|-----------|-------------|---------------|
| CA80 | 10.0 | 617.1 | 418.6 |
| CA60 | 5.0 | 728.7 | 123.4 |
| PESO TOTAL (kg) | | | |
| CA80 | | 418.6 | |
| CA60 | | 123.4 | |

C-25 = 6.3 m²
Área de forma = 111.00 m²

REVISÃO Nº: xx DATA: xx/xx/xxxx DESCRIÇÃO

Claudio Garcez

Projetos & Consultoria

Rua Dos Rubis, quadra 44, lote 15, Setor Goiânia II, Goiânia - GO
CEP 74663-570, Fone: (62) 3206-0689/8417-0683

ESTRUTURA
PROJETO PADRÃO 3
DELEGACIA DE PIRACANJUBA - GOIÁS

PROPRIETÁRIO: Polícia Civil Do Estado de Goiás
CNPJ: 37.014.123/0001-91

AUTOR DO PROJETO: eng. Cláudio Henrique Garcez
CREA 9566/D-GO/DF

R.T.:

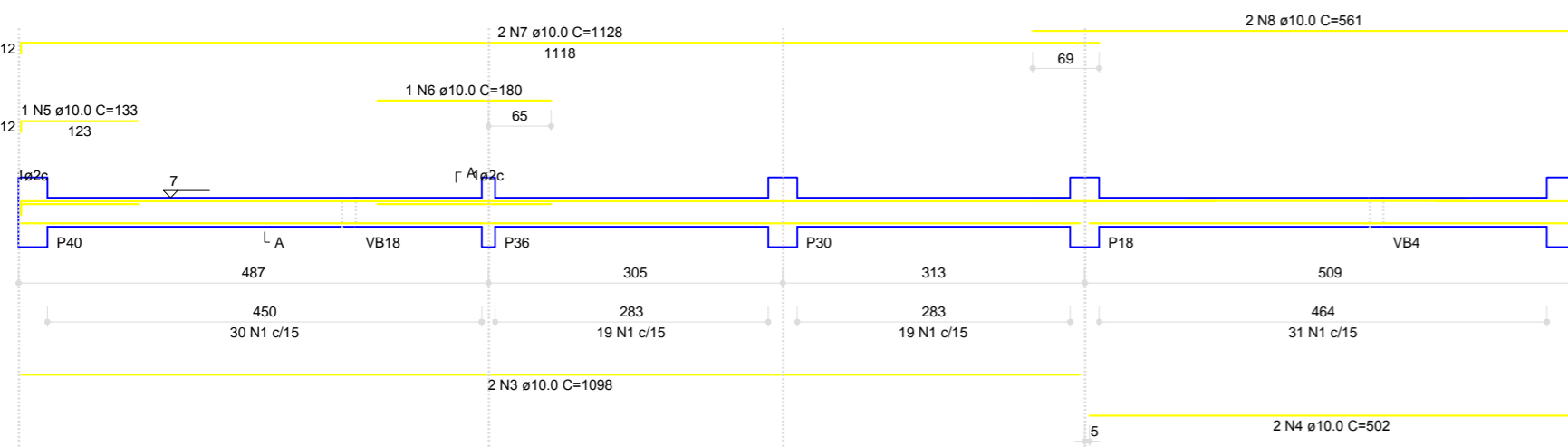
CONTEÚDO: ÁREAS:
-DETALHE DE VIGA BALDRAME VER ARQUITETURA

DATA: MAIO/2017 ESCALA: INDICADA

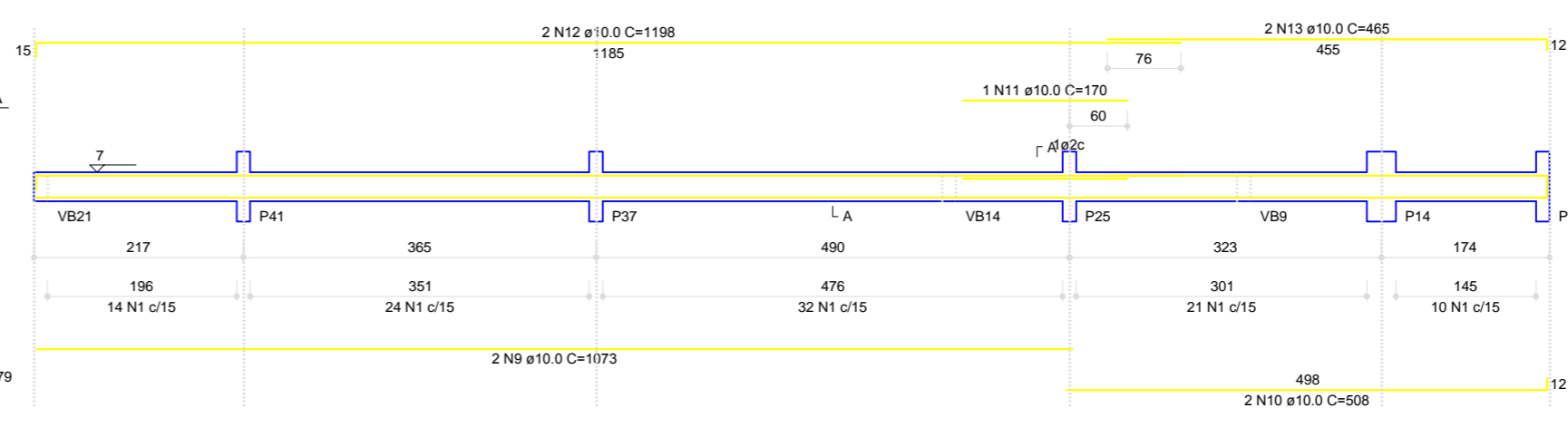
APROVAÇÃO:

PRANCHA **8/14**

VB31 (14 x 30)
ESC 1:50



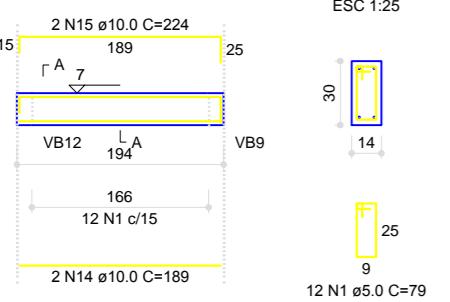
VB33 (14 x 30)
ESC 1:50



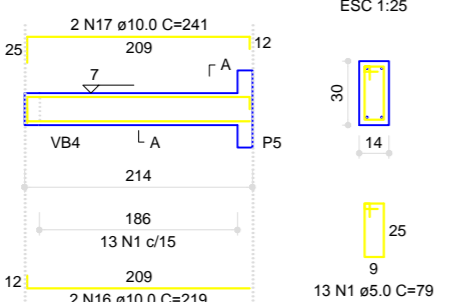
RELAÇÃO DO AÇO

| AÇO | N | DIAM (mm) | QUANT (Barra) | UNIT (cm) | C.TOTAL (cm) |
|------|----|-----------|---------------|-----------|--------------|
| CA60 | 1 | 5.0 | 599 | 79 | 47321 |
| CA60 | 2 | 5.0 | 100 | 83 | 8300 |
| CA60 | 3 | 5.0 | 9 | 1098 | 2198 |
| CA60 | 4 | 10.0 | 502 | 1094 | 1094 |
| CA60 | 5 | 10.0 | 1 | 133 | 133 |
| CA60 | 6 | 10.0 | 1 | 180 | 180 |
| CA60 | 7 | 10.0 | 2 | 1128 | 2256 |
| CA60 | 8 | 10.0 | 1 | 561 | 1122 |
| CA60 | 9 | 10.0 | 1073 | 2146 | 2146 |
| CA60 | 10 | 10.0 | 508 | 1016 | 1016 |
| CA60 | 11 | 10.0 | 170 | 170 | 170 |
| CA60 | 12 | 10.0 | 1188 | 2376 | 2376 |
| CA60 | 13 | 10.0 | 465 | 930 | 930 |
| CA60 | 14 | 10.0 | 189 | 378 | 378 |
| CA60 | 15 | 10.0 | 224 | 448 | 448 |
| CA60 | 16 | 10.0 | 215 | 430 | 430 |
| CA60 | 17 | 10.0 | 241 | 482 | 482 |
| CA60 | 18 | 10.0 | 384 | 768 | 768 |
| CA60 | 19 | 10.0 | 403 | 806 | 806 |
| CA60 | 20 | 10.0 | 508 | 1016 | 1016 |
| CA60 | 21 | 10.0 | 531 | 1062 | 1062 |
| CA60 | 22 | 10.0 | 1113 | 2226 | 2226 |
| CA60 | 23 | 10.0 | 373 | 746 | 746 |
| CA60 | 24 | 10.0 | 313 | 626 | 626 |
| CA60 | 25 | 10.0 | 1090 | 2180 | 2180 |
| CA60 | 26 | 10.0 | 163 | 326 | 326 |
| CA60 | 27 | 10.0 | 319 | 638 | 638 |
| CA60 | 28 | 10.0 | 394 | 788 | 788 |
| CA60 | 29 | 10.0 | 509 | 1018 | 1018 |
| CA60 | 30 | 10.0 | 174 | 348 | 348 |
| CA60 | 31 | 10.0 | 184 | 368 | 368 |
| CA60 | 32 | 10.0 | 417 | 834 | 834 |
| CA60 | 33 | 10.0 | 449 | 898 | 898 |
| CA60 | 34 | 10.0 | 574 | 1148 | 1148 |
| CA60 | 35 | 10.0 | 619 | 1238 | 1238 |
| CA60 | 36 | 10.0 | 177 | 354 | 354 |
| CA60 | 37 | 10.0 | 206 | 412 | 412 |
| CA60 | 38 | 10.0 | 324 | 648 | 648 |
| CA60 | 39 | 10.0 | 343 | 686 | 686 |
| CA60 | 40 | 10.0 | 304 | 608 | 608 |
| CA60 | 41 | 10.0 | 923 | 1846 | 1846 |

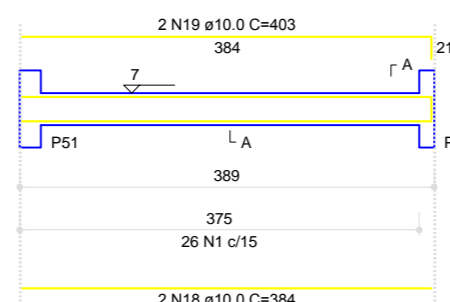
VB35 (14 x 30)
ESC 1:50



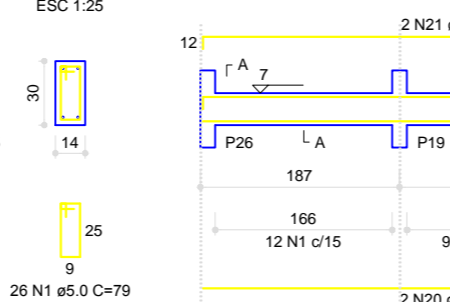
VB36 (14 x 30)
ESC 1:50



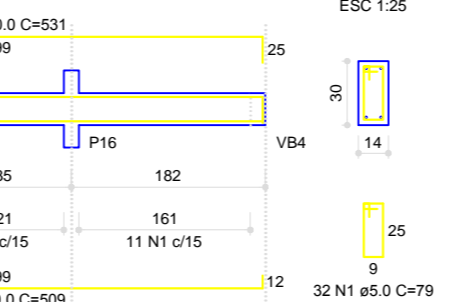
VB37 (14 x 30)
ESC 1:50



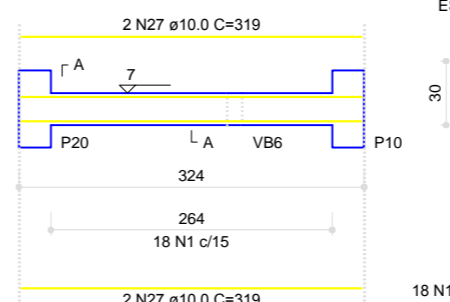
VB38 (14 x 30)
ESC 1:50



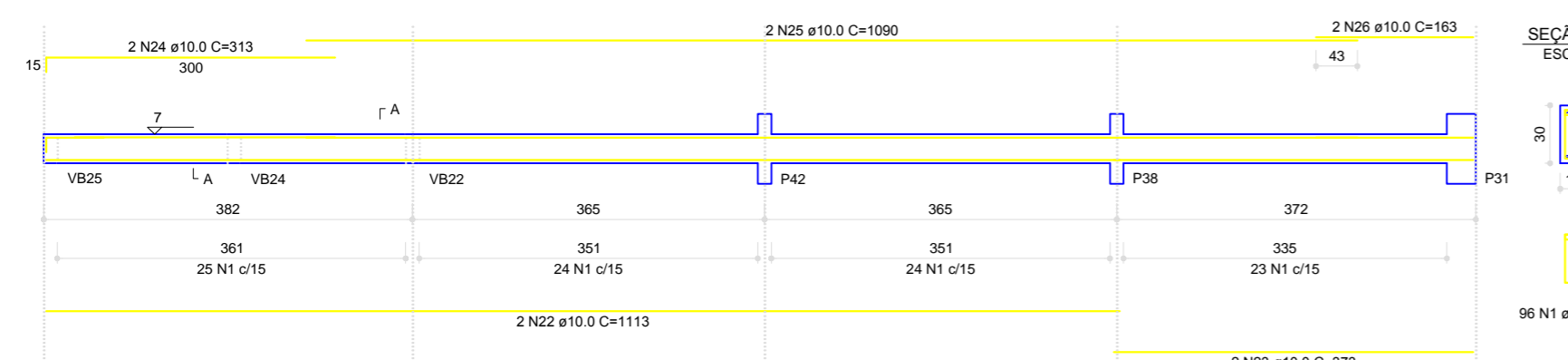
VB40 (14 x 30)
ESC 1:50



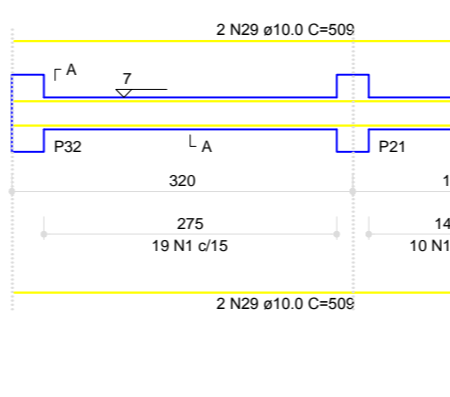
VB41 (14 x 30)
ESC 1:50



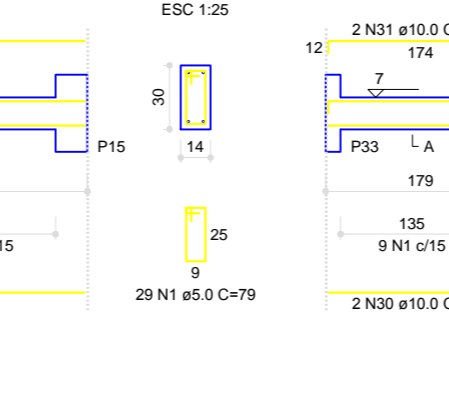
VB39 (14 x 30)
ESC 1:50



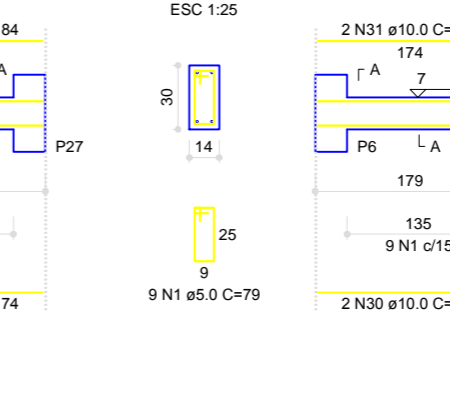
VB42 (14 x 30)
ESC 1:50



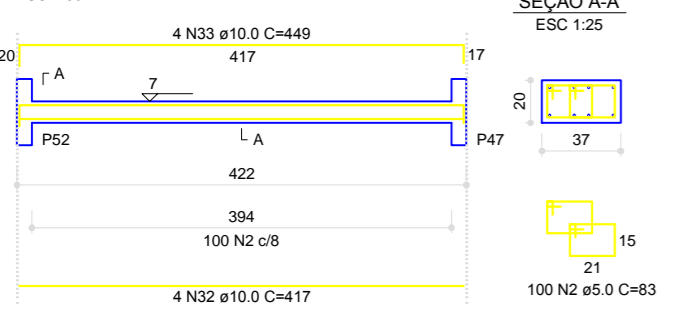
VB43 (14 x 30)
ESC 1:50



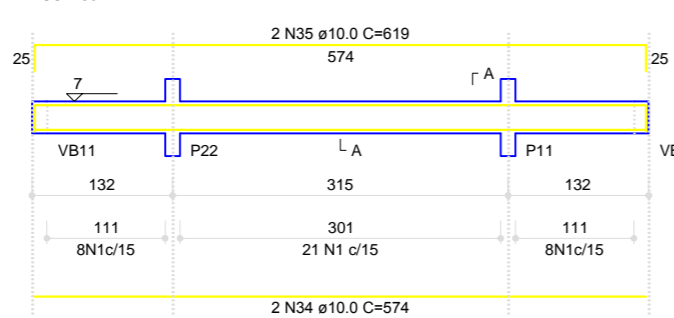
VB44 (14 x 30)
ESC 1:50



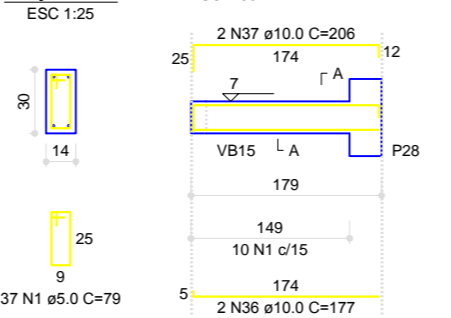
VB45 (37 x 20)
ESC 1:50



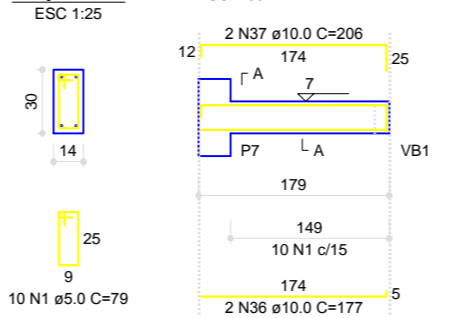
VB46 (14 x 30)
ESC 1:50



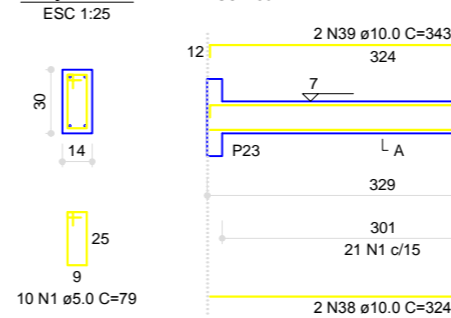
VB47 (14 x 30)
ESC 1:50



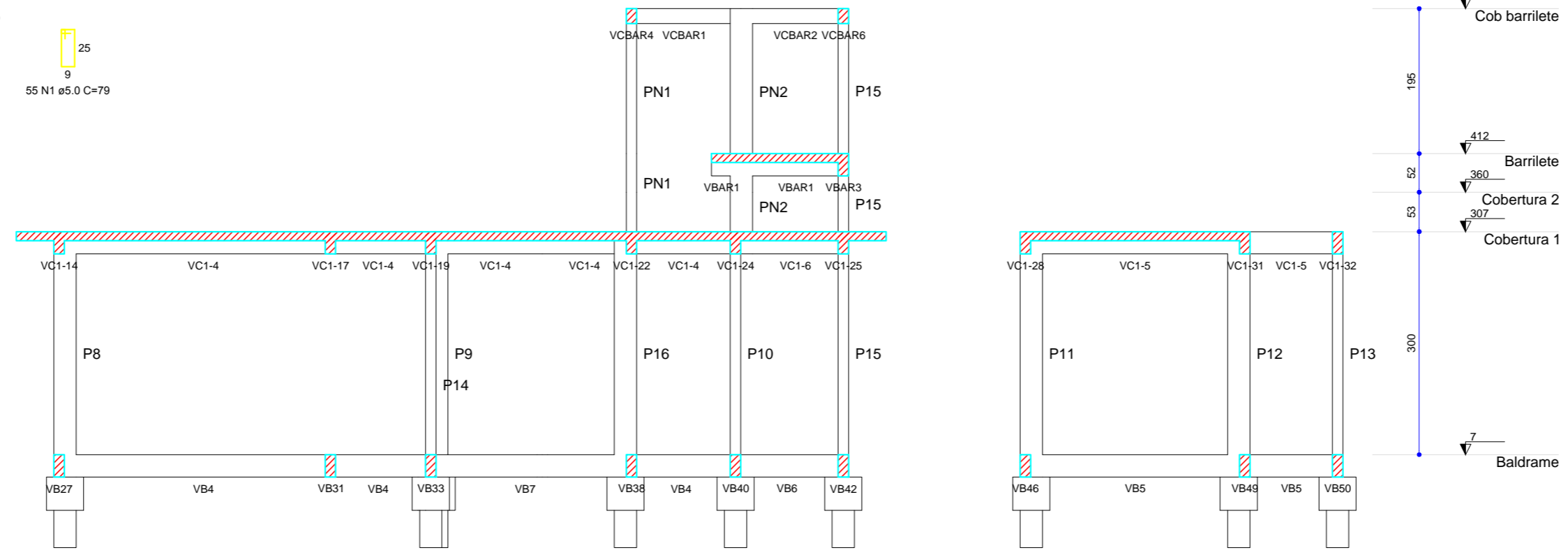
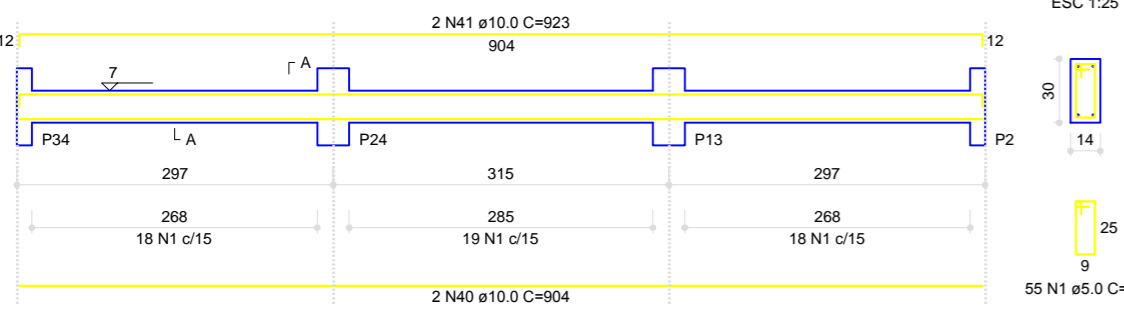
VB48 (14 x 30)
ESC 1:50



VB49 (14 x 30)
ESC 1:50



VB50 (14 x 30)
ESC 1:50



RESUMO DO AÇO

| AÇO | DIAM (mm) | C.TOTAL (m) | PESO-10% (kg) |
|------------------------|-----------|-------------|---------------|
| CA50 | 10.0 | 437.2 | 296.6 |
| CA60 | 5.0 | 559.7 | 94.8 |
| PESO TOTAL (kg) | | | 391.4 |
| CA50 | | | 296.6 |
| CA60 | | | 94.8 |

(C-25) = 4.4 m³
Área de forma = 75.24 m²

| REVISÃO Nº | DATA | DESCRIÇÃO |
|------------|------------|-----------|
| xx | xx/xx/xxxx | |

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Projetos&Consultoria

Rua Dos Rubis , quadra 44 , lote 15 , Setor Goiânia II , Goiânia - GO
CEP 74663-570, Fone : (62) 3206-0689/8417-0683

ESTRUTURA
PROJETO PADRÃO 3
DELEGACIA DE PIRACANJUBA -GOIÁS

PROPRIETÁRIO: _____
Polícia Civil Do Estado de Goiás
CNPJ :37.014.123/0001-91

AUTOR DO PROJETO: _____
eng. Cláudio Henrique Garcez
CREA 9566/D-GO/DF

R.T.: _____

CONTEÚDO: _____

ÁREAS: _____

-DETALHE DE VIGA BALDRAME
-CORTE AA

VER ARQUITETURA

DATA: _____

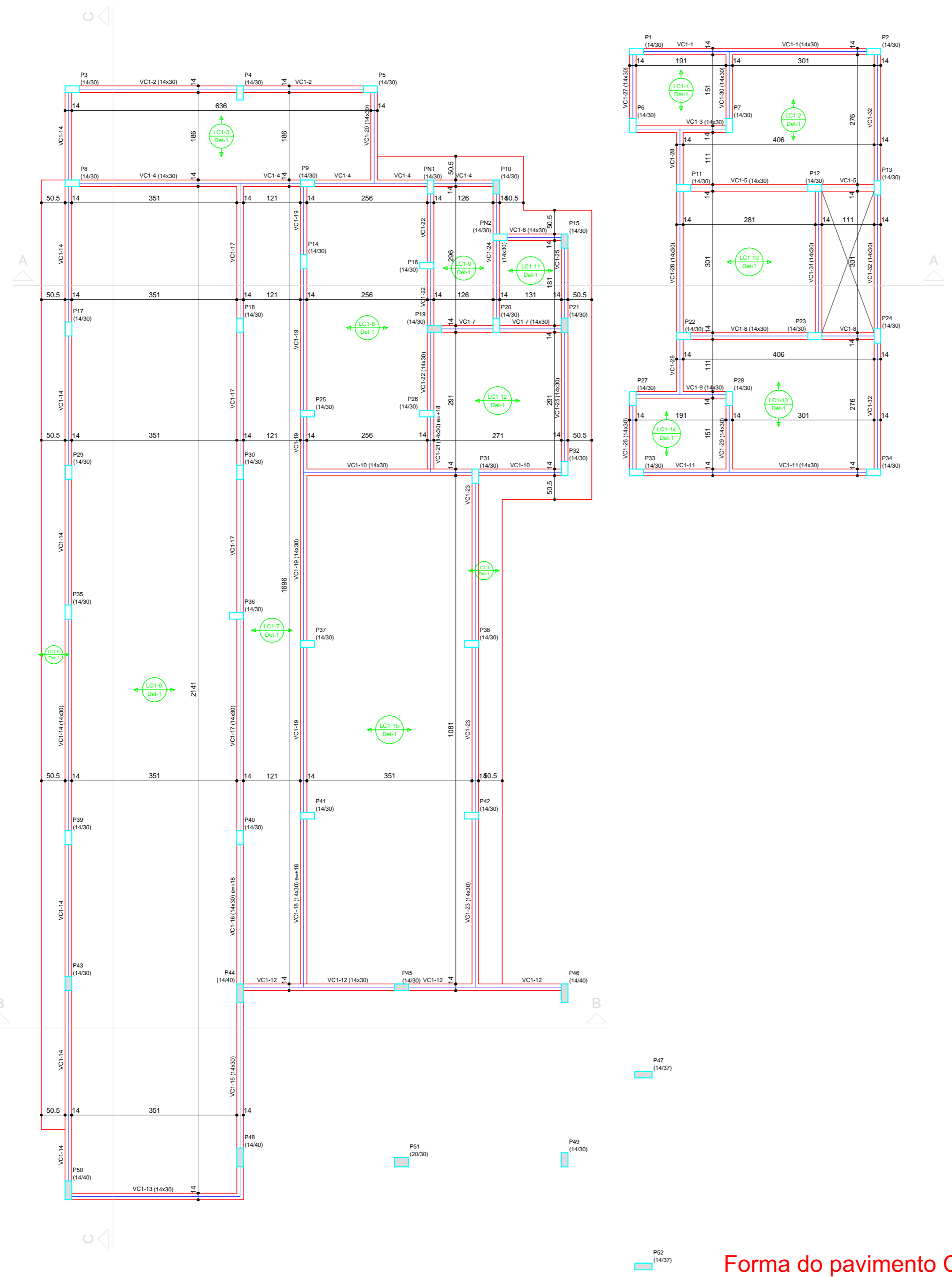
MAIO/2017

ESCALA: _____

INDICADA

APROVAÇÃO: _____

Corte A-A
escala 1:50



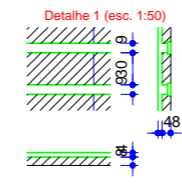
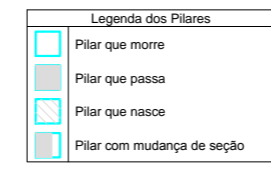
| Vigas | | | |
|--------|------------|---------------|------------|
| Nome | Seção (cm) | Elevação (cm) | Nível (cm) |
| VC1-1 | 14x30 | 0 | 307 |
| VC1-2 | 14x30 | 0 | 307 |
| VC1-3 | 14x30 | 0 | 307 |
| VC1-4 | 14x30 | 0 | 307 |
| VC1-5 | 14x30 | 0 | 307 |
| VC1-6 | 14x30 | 0 | 307 |
| VC1-7 | 14x30 | 0 | 307 |
| VC1-8 | 14x30 | 0 | 307 |
| VC1-9 | 14x30 | 0 | 307 |
| VC1-10 | 14x30 | 0 | 307 |
| VC1-11 | 14x30 | 0 | 307 |
| VC1-12 | 14x30 | 0 | 307 |
| VC1-13 | 14x30 | 0 | 307 |
| VC1-14 | 14x30 | 0 | 307 |
| VC1-15 | 14x30 | 0 | 307 |
| VC1-16 | 14x30 | 18 | 325 |
| VC1-17 | 14x30 | 0 | 307 |
| VC1-18 | 14x30 | 18 | 325 |
| VC1-19 | 14x30 | 0 | 307 |
| VC1-20 | 14x30 | 0 | 307 |
| VC1-21 | 14x30 | 18 | 325 |
| VC1-22 | 14x30 | 0 | 307 |
| VC1-23 | 14x30 | 0 | 307 |
| VC1-24 | 14x30 | 0 | 307 |
| VC1-25 | 14x30 | 0 | 307 |
| VC1-26 | 14x30 | 0 | 307 |
| VC1-27 | 14x30 | 0 | 307 |
| VC1-28 | 14x30 | 0 | 307 |
| VC1-29 | 14x30 | 0 | 307 |
| VC1-30 | 14x30 | 0 | 307 |
| VC1-31 | 14x30 | 0 | 307 |
| VC1-32 | 14x30 | 0 | 307 |

| Blocos de enchimento | | | | | |
|----------------------|-------------------|-----------|----------------|--------|------------|
| Detalhe | Tipo | Nome | Dimensões (cm) | | Quantidade |
| | | | hb | bx by | |
| 1 | EPS Unidirecional | B8/30/125 | 8 | 30 125 | 537 |

| Lajes | | | | | |
|--------|-------------|-------------|---------------|------------|---------------------|
| Nome | Tipo | Altura (cm) | Elevação (cm) | Nível (cm) | Sobrecarga (kgf/m²) |
| LC1-1 | Trelçada ID | 12 | 0 | 307 | 109 |
| LC1-2 | Trelçada ID | 12 | 0 | 307 | 109 |
| LC1-3 | Trelçada ID | 12 | 0 | 307 | 109 |
| LC1-4 | Trelçada ID | 12 | 0 | 307 | 109 |
| LC1-5 | Trelçada ID | 12 | 0 | 307 | 109 |
| LC1-6 | Trelçada ID | 12 | 0 | 307 | 109 |
| LC1-7 | Trelçada ID | 12 | 0 | 307 | 109 |
| LC1-8 | Trelçada ID | 12 | 0 | 307 | 109 |
| LC1-9 | Trelçada ID | 12 | 0 | 307 | 109 |
| LC1-10 | Trelçada ID | 12 | 0 | 307 | 109 |
| LC1-11 | Trelçada ID | 12 | 0 | 307 | 109 |
| LC1-12 | Trelçada ID | 12 | 0 | 307 | 109 |
| LC1-13 | Trelçada ID | 12 | 0 | 307 | 109 |
| LC1-14 | Trelçada ID | 12 | 0 | 307 | 109 |
| LC1-15 | Trelçada ID | 12 | 0 | 307 | 109 |

| Características dos materiais | | | |
|-------------------------------|--------------|---------------|-----------------|
| Idc (kg/cm³) | Ecs (kg/cm³) | fct (kgf/cm²) | Abatimento (cm) |
| 250 | 241500 | 26 | 5,00 |

Dimensão máxima do agregado = 19 mm



| REVISÃO Nº | DATA | DESCRIÇÃO |
|------------|------------|-----------|
| xx | xx/xx/xxxx | |

Claudio Garcez
Projetos & Consultoria

Rua Dos Rubis , quadra 44 , lote 15 , Setor Goiânia II , Goiânia - GO
 CEP 74663-570 , Fone : (62) 3206-0689/8417-0683
ESTRUTURA
PROJETO PADRÃO 3
DELEGACIA DE PIRACANJUBA - GOIÁS

PROPRIETÁRIO: _____
 Polícia Civil Do Estado de Goiás
 CNPJ :37.014.123/0001-91

AUTOR DO PROJETO: _____
 eng. Cláudio Henrique Garcez
 CREA 9566/D-GO/DF

R.T.: _____

CONTEÚDO: _____
 ÁREAS: _____

FORMA DO PAVIMENTO COBERTURA 1 _____
 VER ARQUITETURA

DATA: _____
 MAIO/2017

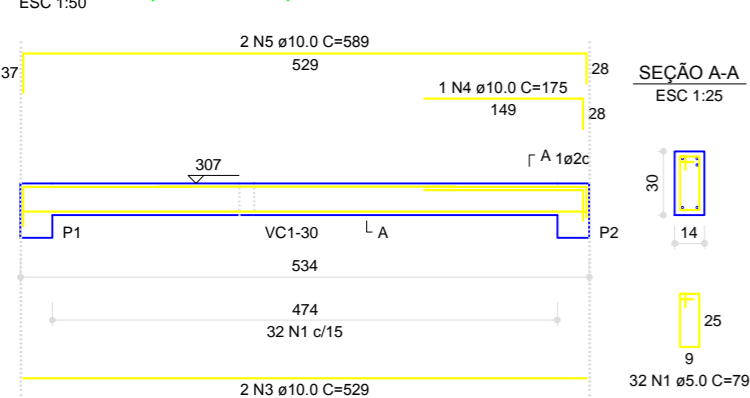
ESCALA: _____
 INDICADA

APROVAÇÃO: _____

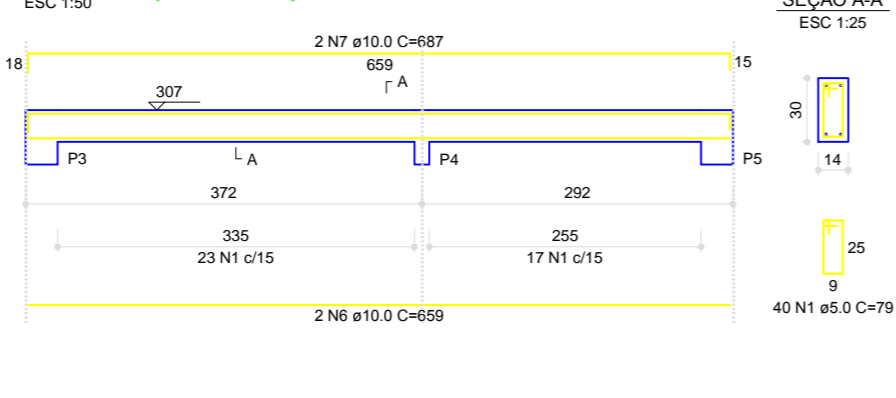
PRANCHA **10/14**

Forma do pavimento Cobertura 1 (Nível 307)
escala 1:50

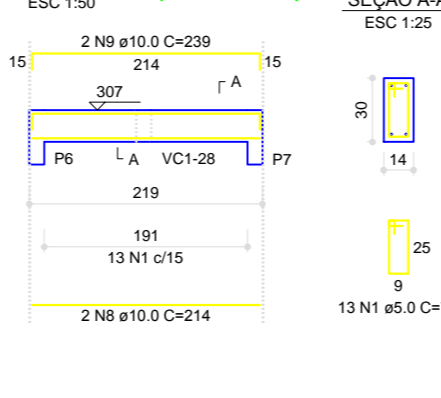
VC1-1 (14 x 30)



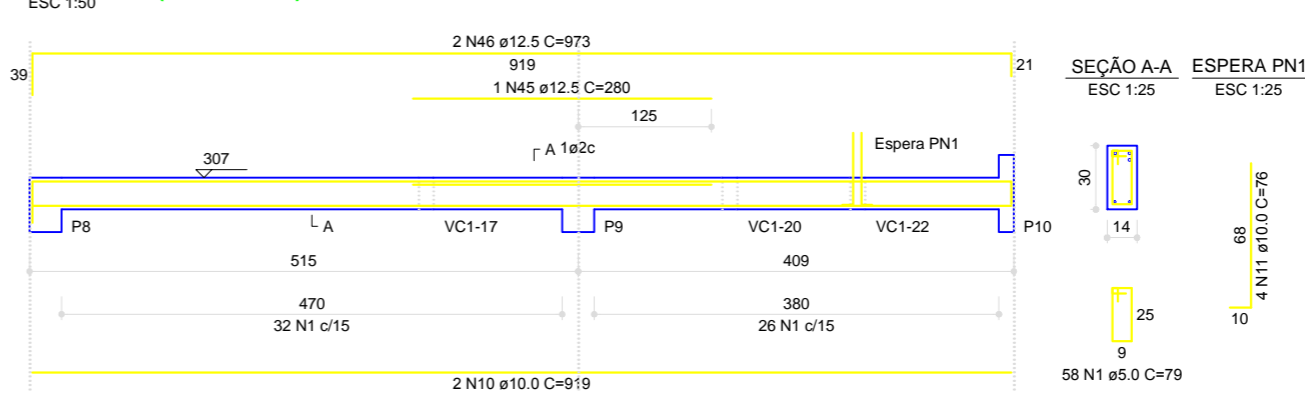
VC1-2 (14 x 30)



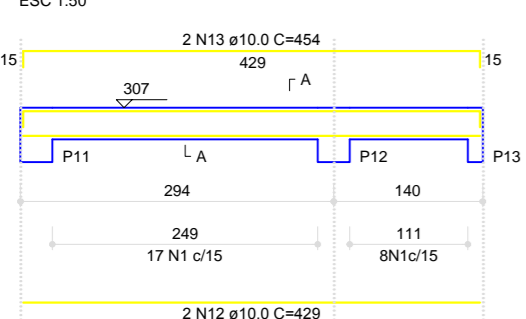
VC1-3 (14 x 30)



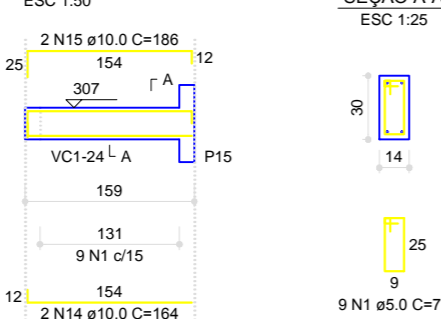
VC1-4 (14 x 30)



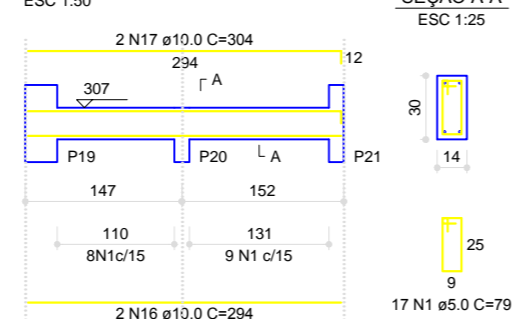
VC1-5 (14 x 30)



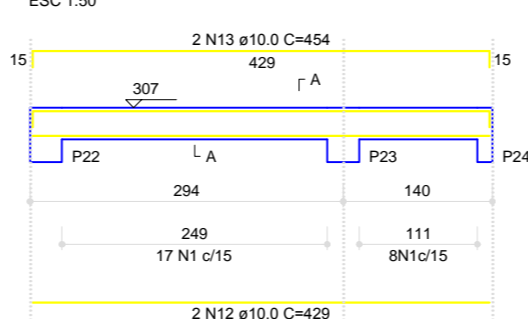
VC1-6 (14 x 30)



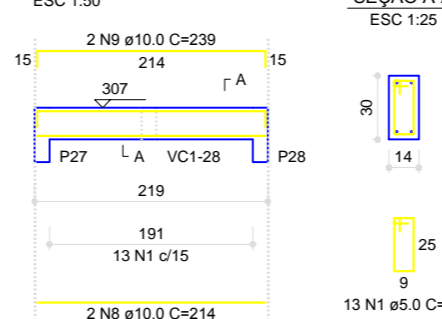
VC1-7 (14 x 30)



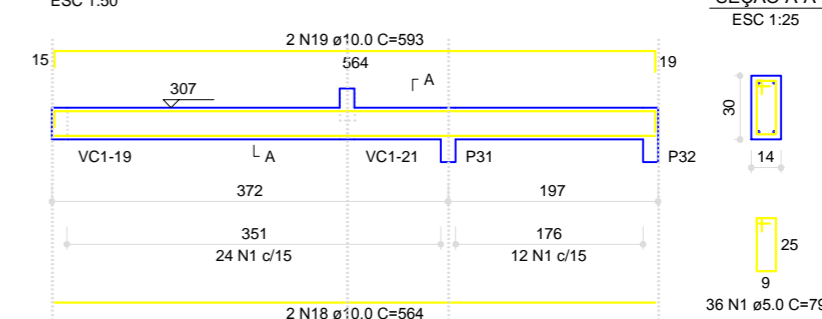
VC1-8 (14 x 30)



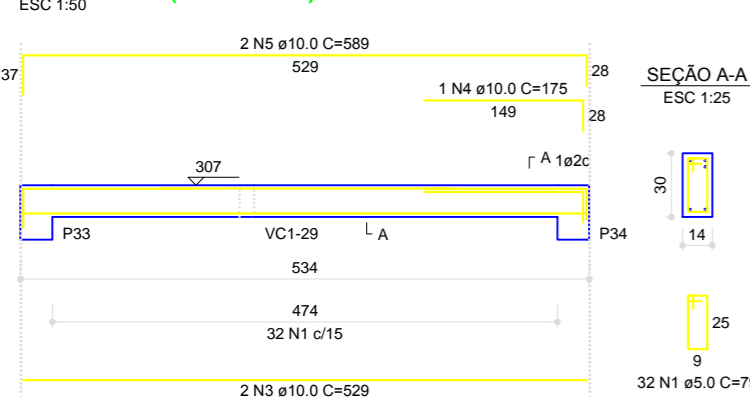
VC1-9 (14 x 30)



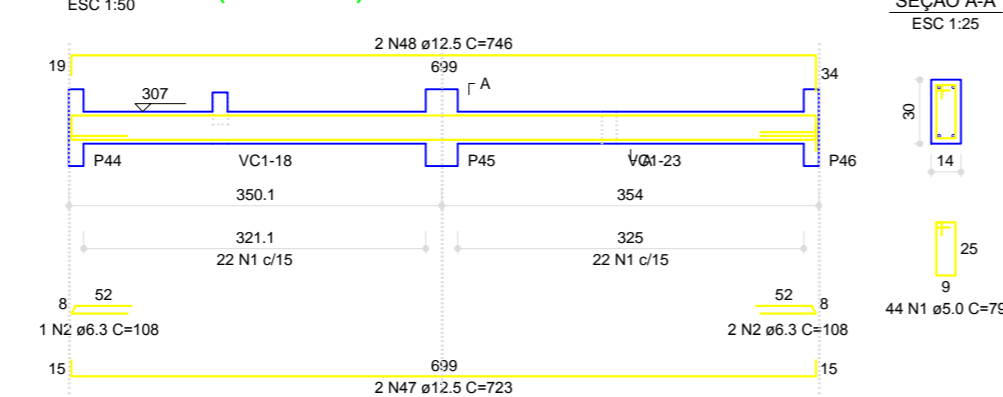
VC1-10 (14 x 30)



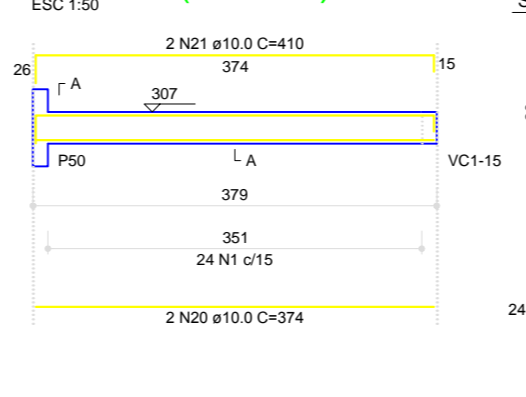
VC1-11 (14 x 30)



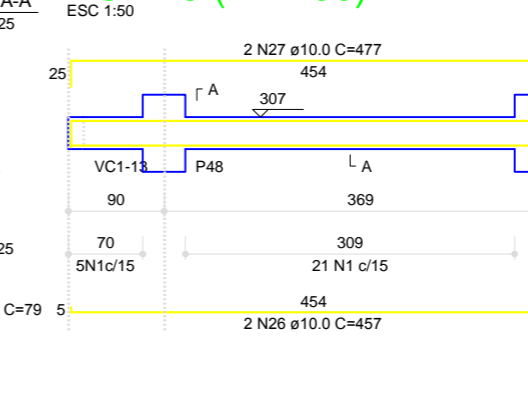
VC1-12 (14 x 30)



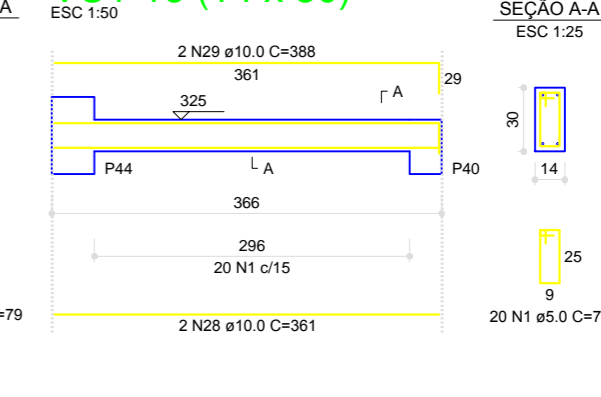
VC1-13 (14 x 30)



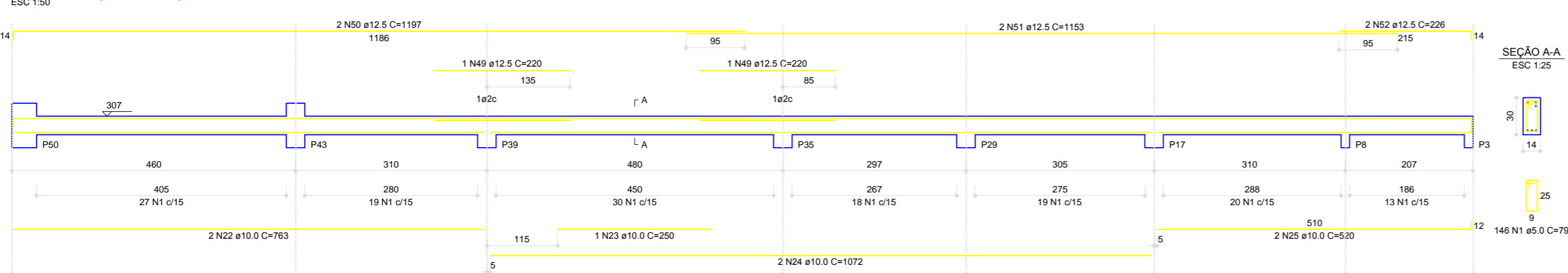
VC1-15 (14 x 30)



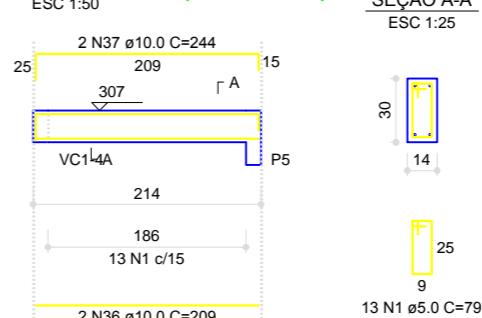
VC1-16 (14 x 30)



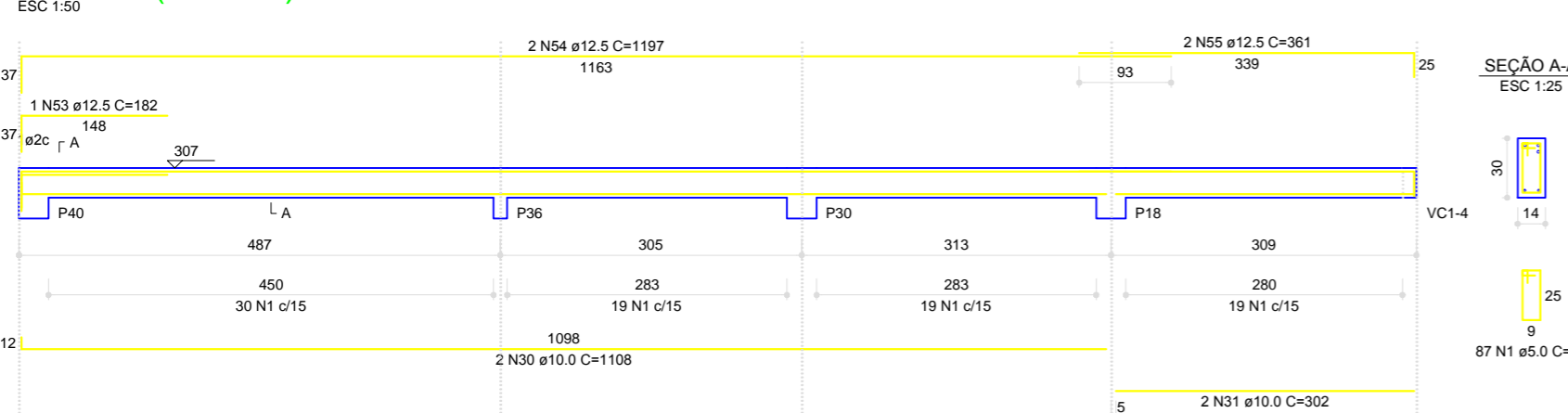
VC1-14 (14 x 30)



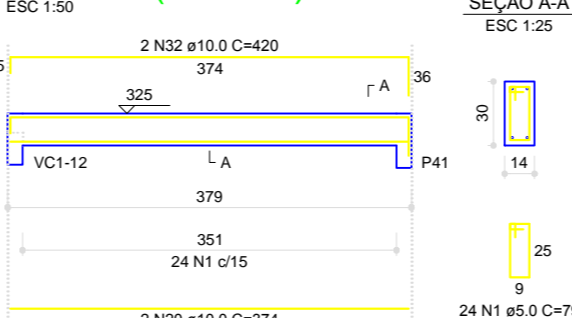
VC1-20 (14 x 30)



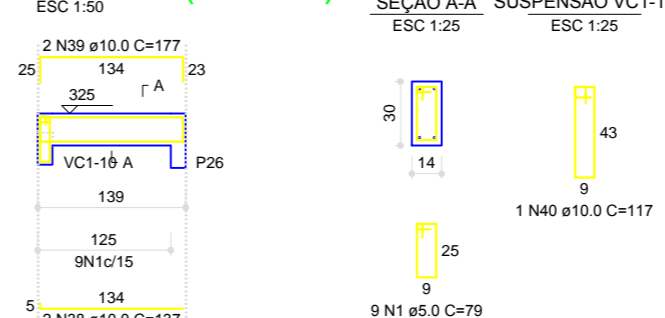
VC1-17 (14 x 30)



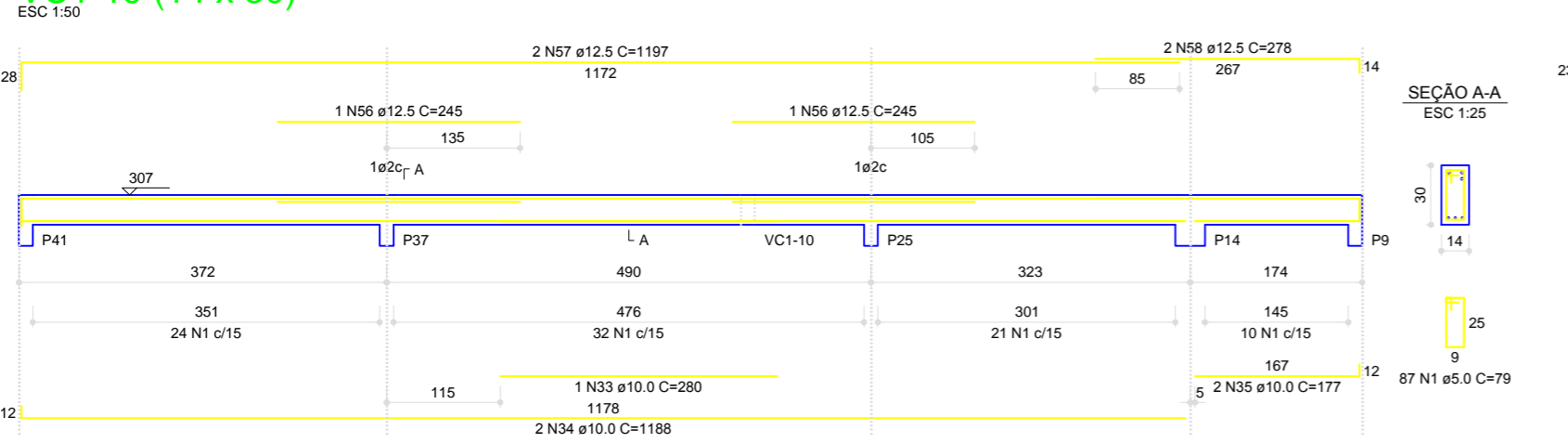
VC1-18 (14 x 30)



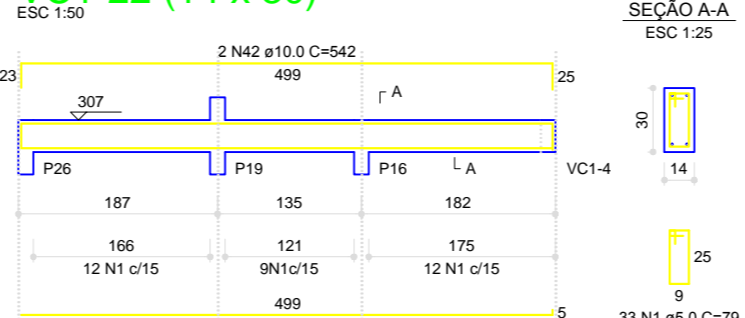
VC1-21 (14 x 30)



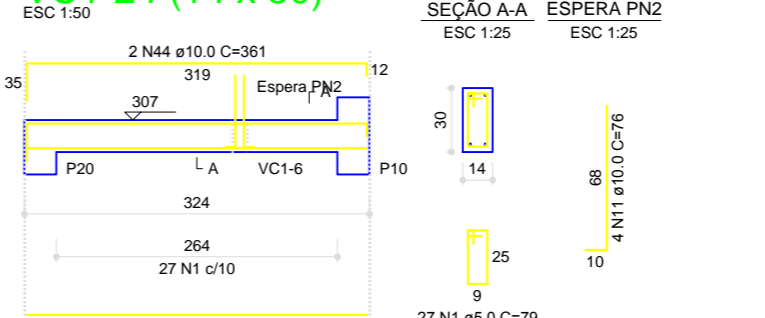
VC1-19 (14 x 30)



VC1-22 (14 x 30)



VC1-24 (14 x 30)



RELAÇÃO DO AÇO

| AÇO | N | DIAM (mm) | QUANT (Barra) | UNIT (cm) | C TOTAL (cm) |
|------|----|-----------|---------------|-----------|--------------|
| CA50 | 1 | 5.0 | 840 | 79 | 66360 |
| CA50 | 2 | 6.3 | 3 | 108 | 324 |
| CA50 | 3 | 10.0 | 4 | 328 | 1312 |
| CA50 | 4 | 10.0 | 2 | 175 | 350 |
| CA50 | 5 | 10.0 | 4 | 589 | 2356 |
| CA50 | 6 | 10.0 | 2 | 239 | 478 |
| CA50 | 7 | 10.0 | 2 | 687 | 1374 |
| CA50 | 8 | 10.0 | 4 | 214 | 856 |
| CA50 | 9 | 10.0 | 4 | 239 | 956 |
| CA50 | 10 | 10.0 | 2 | 919 | 1838 |
| CA50 | 11 | 10.0 | 8 | 78 | 624 |
| CA50 | 12 | 10.0 | 4 | 429 | 1716 |
| CA50 | 13 | 10.0 | 4 | 454 | 1816 |
| CA50 | 14 | 10.0 | 2 | 164 | 328 |
| CA50 | 15 | 10.0 | 2 | 186 | 372 |
| CA50 | 16 | 10.0 | 2 | 294 | 588 |
| CA50 | 17 | 10.0 | 2 | 304 | 608 |
| CA50 | 18 | 10.0 | 2 | 564 | 1128 |
| CA50 | 19 | 10.0 | 2 | 593 | 1186 |
| CA50 | 20 | 10.0 | 2 | 374 | 748 |
| CA50 | 21 | 10.0 | 2 | 410 | 820 |
| CA50 | 22 | 10.0 | 2 | 763 | 1526 |
| CA50 | 23 | 10.0 | 1 | 250 | 250 |
| CA50 | 24 | 10.0 | 2 | 1072 | 2144 |
| CA50 | 25 | 10.0 | 2 | 530 | 1060 |
| CA50 | 26 | 10.0 | 2 | 457 | 914 |
| CA50 | 27 | 10.0 | 2 | 477 | 954 |
| CA50 | 28 | 10.0 | 2 | 361 | 722 |
| CA50 | 29 | 10.0 | 2 | 388 | 776 |
| CA50 | 30 | 10.0 | 2 | 1168 | 2336 |
| CA50 | 31 | 10.0 | 2 | 302 | 604 |
| CA50 | 32 | 10.0 | 2 | 420 | 840 |
| CA50 | 33 | 10.0 | 1 | 280 | 280 |
| CA50 | 34 | 10.0 | 2 | 244 | 488 |
| CA50 | 35 | 10.0 | 2 | 177 | 354 |
| CA50 | 36 | 10.0 | 2 | 209 | 418 |
| CA50 | 37 | 10.0 | 2 | 244 | 488 |
| CA50 | 38 | 10.0 | 2 | 137 | 274 |
| CA50 | 39 | 10.0 | 2 | 177 | 354 |
| CA50 | 40 | 10.0 | 1 | 117 | 117 |
| CA50 | 41 | 10.0 | 2 | 1034 | 2068 |
| CA50 | 42 | 10.0 | 2 | 542 | 1084 |
| CA50 | 43 | 10.0 | 2 | 319 | 638 |
| CA50 | 44 | 10.0 | 2 | 361 | 722 |
| CA50 | 45 | 12.5 | 1 | 280 | 280 |
| CA50 | 46 | 12.5 | 2 | 973 | 1946 |
| CA50 | 47 | 12.5 | 2 | 723 | 1446 |
| CA50 | 48 | 12.5 | 2 | 748 | 1496 |
| CA50 | 49 | 12.5 | 2 | 220 | 440 |
| CA50 | 50 | 12.5 | 2 | 1197 | 2394 |
| CA50 | 51 | 12.5 | 2 | 1163 | 2326 |
| CA50 | 52 | 12.5 | 2 | 226 | 452 |
| CA50 | 53 | 12.5 | 1 | 182 | 182 |
| CA50 | 54 | 12.5 | 2 | 1197 | 2394 |
| CA50 | 55 | 12.5 | 2 | 361 | 722 |
| CA50 | 56 | 12.5 | 2 | 245 | 490 |
| CA50 | 57 | 12.5 | 2 | 1197 | 2394 |
| CA50 | 58 | 12.5 | 2 | 278 | 556 |

RESUMO DO AÇO

| AÇO | DIAM (mm) | C TOTAL (m) | PESO+10% (kg) |
|------------------------|-----------|-------------|---------------|
| CA50 | 6.3 | 3.2 | 0.9 |
| CA50 | 10.0 | 419.3 | 284.4 |
| CA50 | 12.5 | 175.0 | 165.5 |
| CA50 | 5.0 | 667.8 | 113.1 |
| PESO TOTAL (kg) | | | 470.8 |
| CA50 | | | 113.1 |

C=25 = 5.71 m²
Área de forma = 100.63 m²

| REVISÃO Nº | DATA | DESCRIÇÃO |
|------------|------------|-----------|
| xx | xx/xx/xxxx | |



Rua Dos Rubis , quadra 44 , lote 15 , Setor Goiânia II , Goiânia - GO

CEP 74663-570, Fone: (62) 3206-0689/8417-0683

ESTRUTURA
PROJETO PADRÃO 3
DELEGACIA DE PIRACANJUBA -GOIÁS

PROPRIETÁRIO: Polícia Civil Do Estado de Goiás
CNPJ: 37.014.123/0001-91

AUTOR DO PROJETO: eng. Cláudio Henrique Garcez
CREA 9566/D-GO/DF

R.T.:

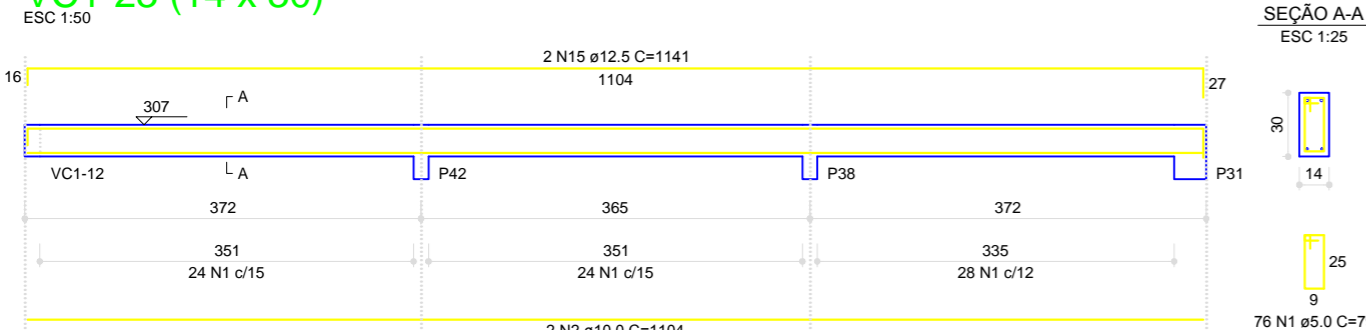
CONTEUDO: ÁREAS:

-DETALHE DE VIGA DA COBERTURA 1 VER ARQUITETURA

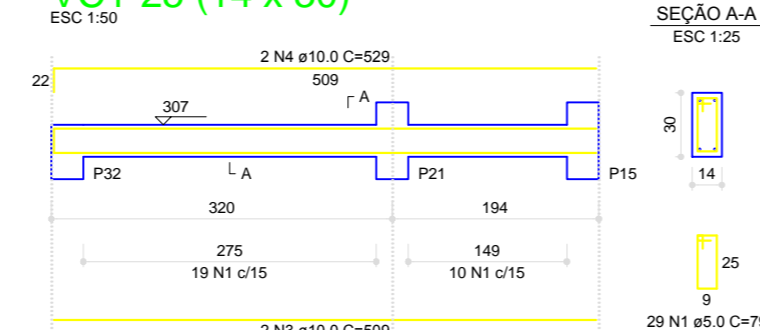
DATA: MAIO/2017 ESCALA: INDICADA

APROVAÇÃO:

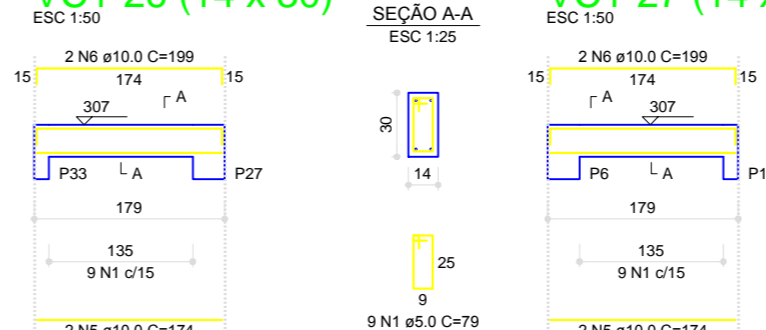
VC1-23 (14 x 30)



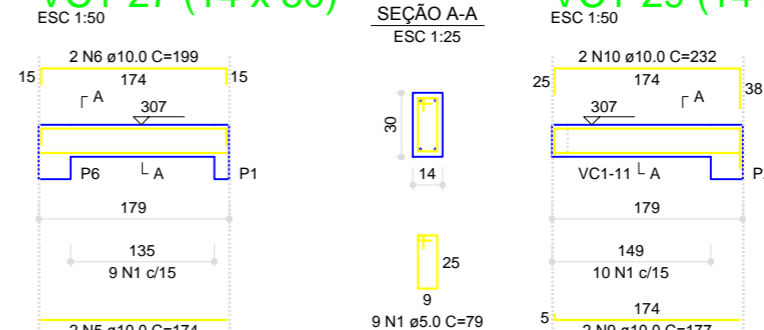
VC1-25 (14 x 30)



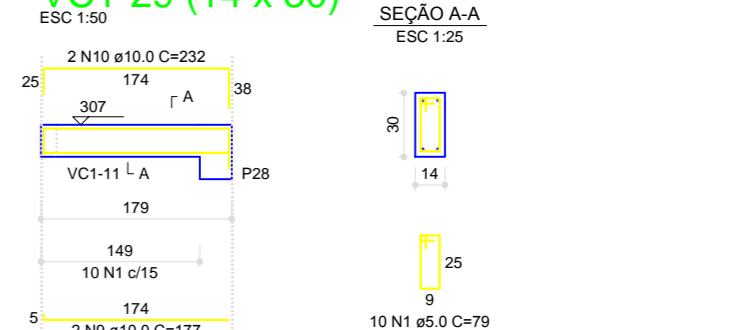
VC1-26 (14 x 30)



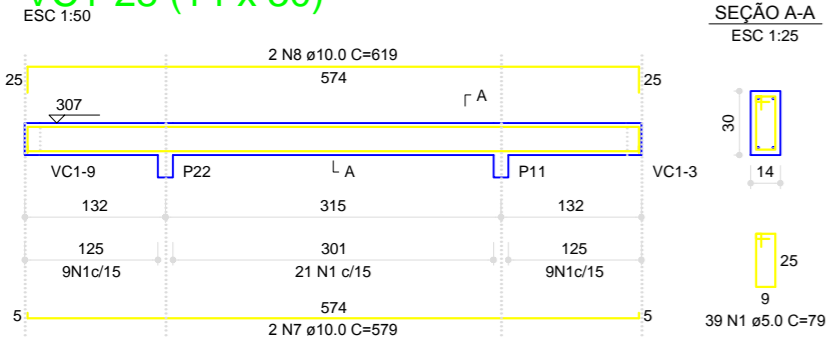
VC1-27 (14 x 30)



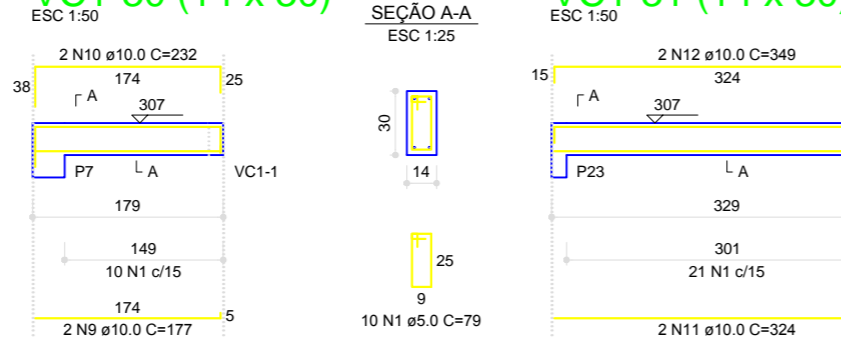
VC1-29 (14 x 30)



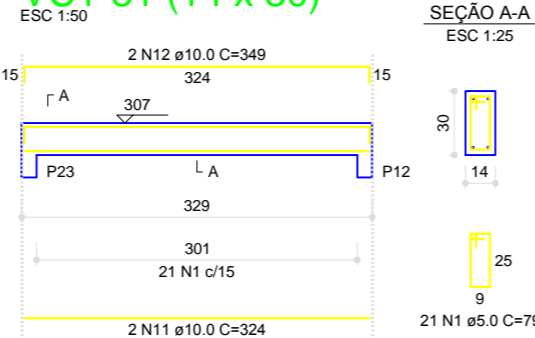
VC1-28 (14 x 30)



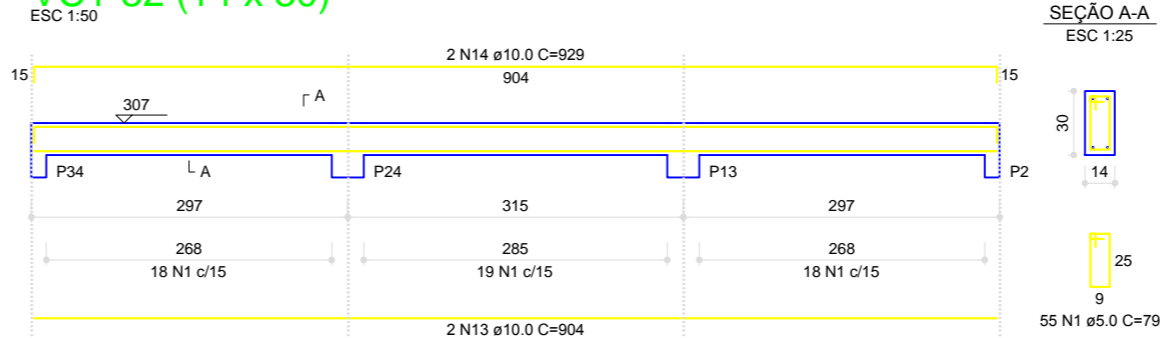
VC1-30 (14 x 30)



VC1-31 (14 x 30)



VC1-32 (14 x 30)



RELAÇÃO DO AÇO

| VC1-23 | VC1-25 | VC1-26 | | | |
|--------|--------|-----------|----------------|-----------|--------------|
| VC1-27 | VC1-28 | VC1-29 | | | |
| VC1-30 | VC1-31 | VC1-32 | | | |
| AÇO | N | DIAM (mm) | QUANT (Barras) | UNIT (cm) | C TOTAL (cm) |
| CA60 | 1 | 5.0 | 258 | 79 | 20382 |
| CA50 | 2 | 10.0 | 2 | 1104 | 2208 |
| | 3 | 10.0 | 2 | 509 | 1018 |
| | 4 | 10.0 | 2 | 529 | 1058 |
| | 5 | 10.0 | 4 | 174 | 696 |
| | 6 | 10.0 | 4 | 199 | 796 |
| | 7 | 10.0 | 2 | 579 | 1158 |
| | 8 | 10.0 | 2 | 619 | 1238 |
| | 9 | 10.0 | 4 | 177 | 708 |
| | 10 | 10.0 | 4 | 232 | 928 |
| | 11 | 10.0 | 2 | 324 | 648 |
| | 12 | 10.0 | 2 | 349 | 698 |
| | 13 | 10.0 | 2 | 904 | 1808 |
| | 14 | 10.0 | 2 | 829 | 1658 |
| | 15 | 12.5 | 2 | 1141 | 2282 |

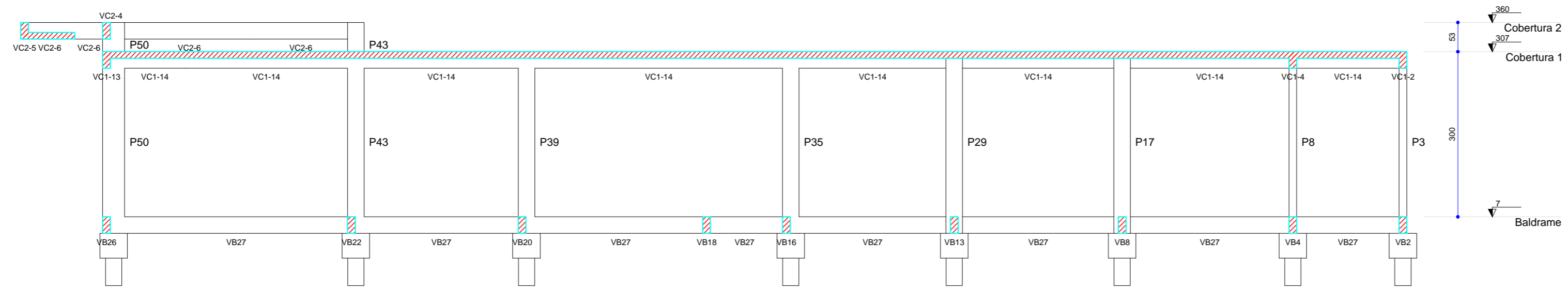
RESUMO DO AÇO

| AÇO | DIAM (mm) | C TOTAL (m) | PESO+10% (kg) |
|------|-----------|-------------|---------------|
| CA50 | 10.0 | 148.3 | 100.6 |
| CA60 | 5.0 | 22.8 | 24.2 |
| | | 205.1 | 34.7 |

PESO TOTAL (kg)

| | |
|------|-------|
| CA50 | 124.8 |
| CA60 | 34.7 |

(C-25) = 1.75 m²
Área de forma = 30.75 m²



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|------------|------------|-----------|
| xx | xx/xx/xxxx | |

Claudio Garcez
Projetos&Consultoria

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CEP 74663-570 , Fone : (62) 3206-0689/8417-0683

ESTRUTURA
PROJETO PADRÃO 3
DELEGACIA DE PIRACANJUBA -GOIÁS

PROPRIETÁRIO: _____
Polícia Civil Do Estado de Goiás
CNPJ :37.014.123/0001-91

AUTOR DO PROJETO: _____
eng. Cláudio Henrique Garcez
CREA 9566/D-GO/DF

R.T.: _____

CONTEÚDO: _____
ÁREAS: _____

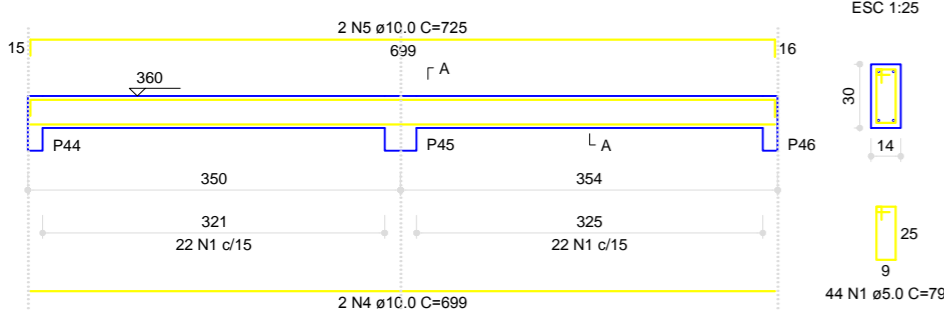
-DETALHE DE VIGA DA COBERTURA 1
-CORTE CC _____
VER ARQUITETURA

DATA: _____
MAIO/2017 _____
ESCALA: _____
INDICADA

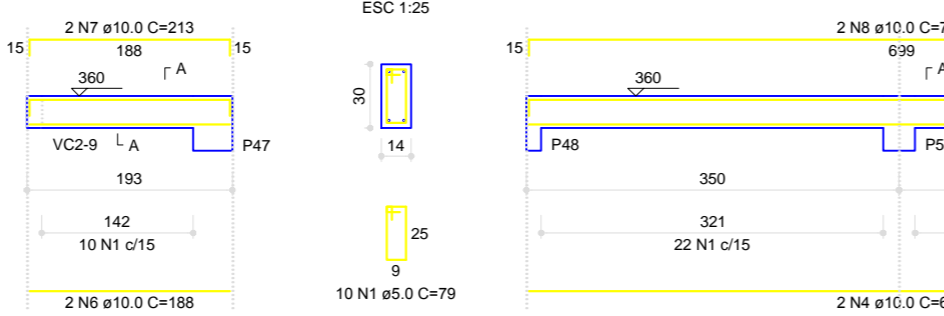
APROVAÇÃO: _____

PRANCHA **12/14**

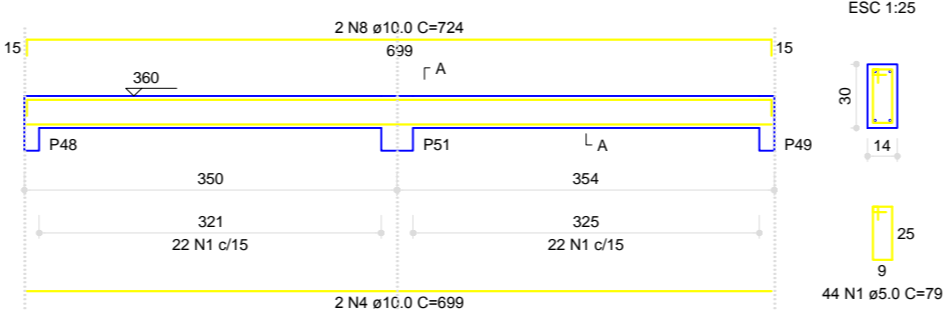
VC2-1 (14 x 30)
ESC 1:50



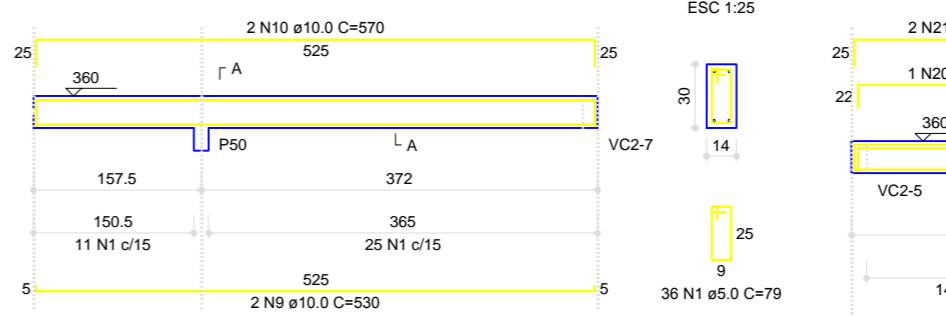
VC2-2 (14 x 30)
ESC 1:50



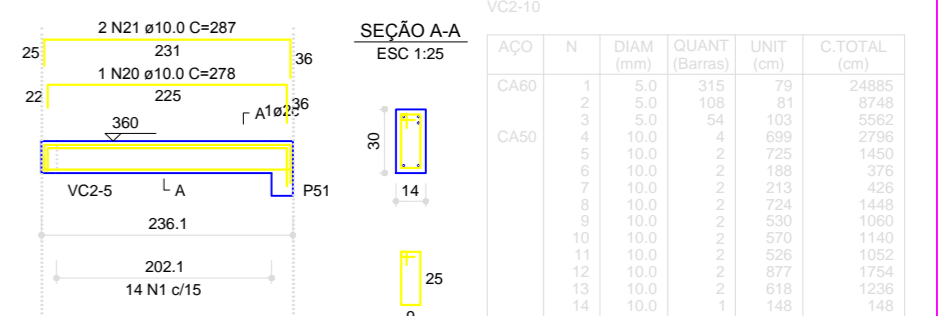
VC2-3 (14 x 30)
ESC 1:50



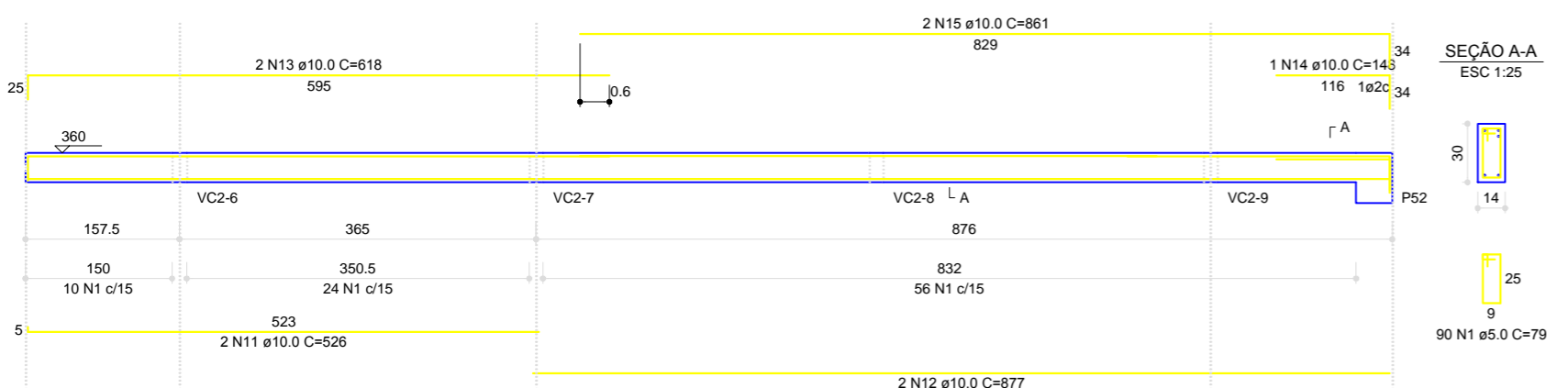
VC2-4 (14 x 30)
ESC 1:50



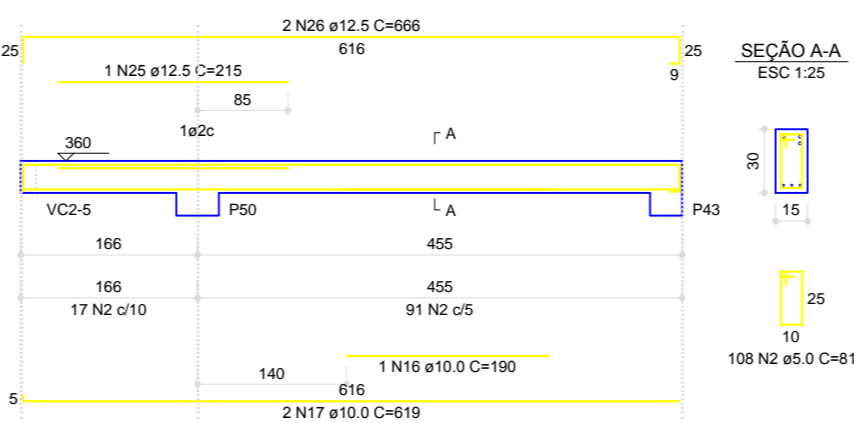
VC2-8 (14 x 30)
ESC 1:50



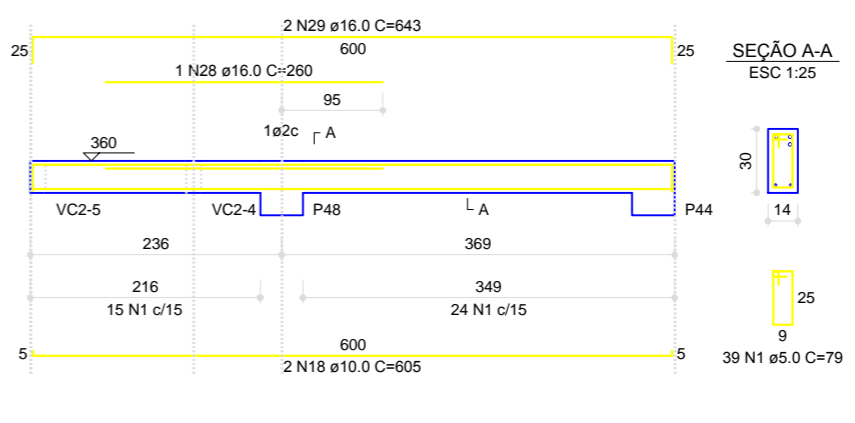
VC2-5 (14 x 30)
ESC 1:50



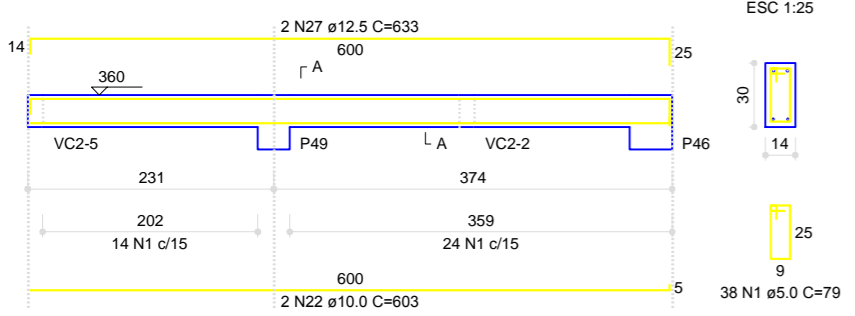
VC2-6 (15 x 30)
ESC 1:50



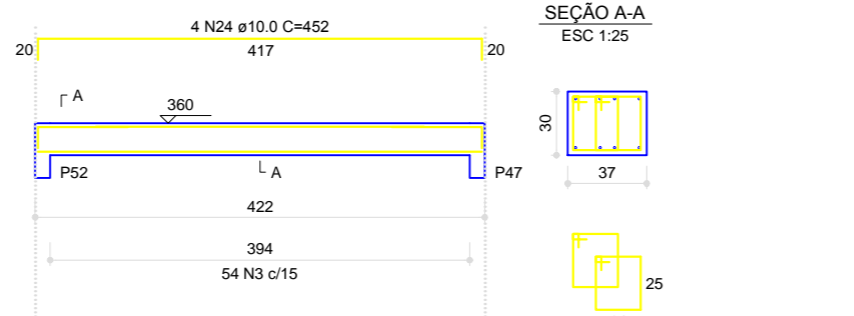
VC2-7 (14 x 30)
ESC 1:50



VC2-9 (14 x 30)
ESC 1:50



VC2-10 (37 x 30)
ESC 1:50



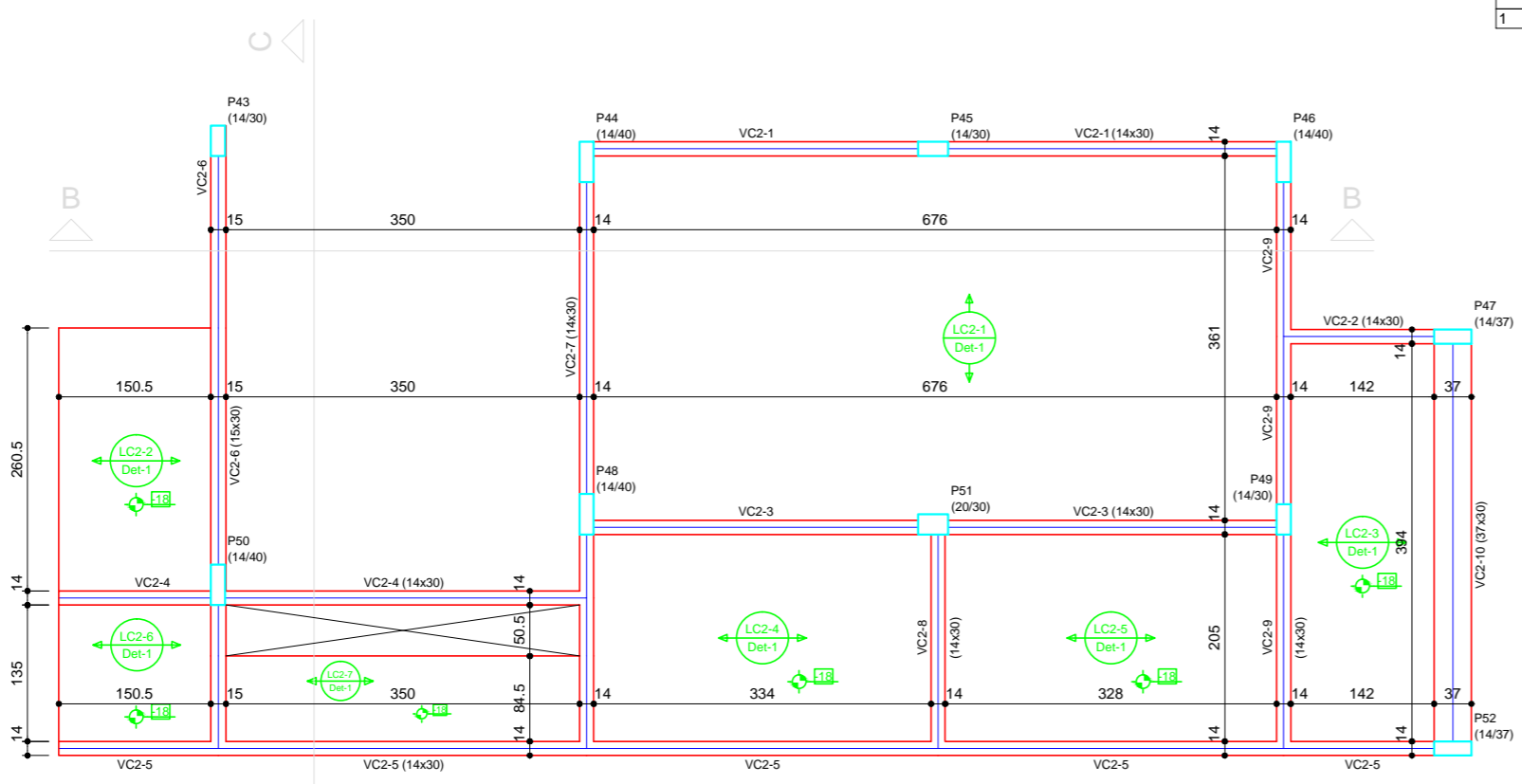
RELAÇÃO DO AÇO

| AÇO | N | DIAM (mm) | QUANT (Barras) | UNIT (cm) | C.TOTAL (cm) |
|------|----|-----------|----------------|-----------|--------------|
| CA80 | 1 | 8 | 315 | 79 | 24995 |
| CA80 | 2 | 5.0 | 108 | 81 | 8748 |
| CA80 | 3 | 5.0 | 54 | 103 | 5562 |
| CA80 | 4 | 10.0 | 4 | 699 | 2796 |
| CA80 | 5 | 10.0 | 2 | 725 | 1450 |
| CA80 | 6 | 10.0 | 2 | 186 | 376 |
| CA80 | 7 | 10.0 | 2 | 213 | 426 |
| CA80 | 8 | 10.0 | 2 | 724 | 1448 |
| CA80 | 9 | 10.0 | 2 | 530 | 1060 |
| CA80 | 10 | 10.0 | 2 | 570 | 1140 |
| CA80 | 11 | 10.0 | 2 | 526 | 1052 |
| CA80 | 12 | 10.0 | 2 | 877 | 1754 |
| CA80 | 13 | 10.0 | 2 | 618 | 1236 |
| CA80 | 14 | 10.0 | 1 | 148 | 148 |
| CA80 | 15 | 10.0 | 2 | 861 | 1722 |
| CA80 | 16 | 10.0 | 1 | 190 | 190 |
| CA80 | 17 | 10.0 | 2 | 619 | 1238 |
| CA80 | 18 | 10.0 | 2 | 605 | 1210 |
| CA80 | 19 | 10.0 | 2 | 241 | 482 |
| CA80 | 20 | 10.0 | 1 | 278 | 278 |
| CA80 | 21 | 10.0 | 2 | 287 | 574 |
| CA80 | 22 | 10.0 | 2 | 603 | 1206 |
| CA80 | 23 | 10.0 | 4 | 417 | 1668 |
| CA80 | 24 | 10.0 | 4 | 452 | 1808 |
| CA80 | 25 | 10.5 | 1 | 215 | 215 |
| CA80 | 26 | 12.5 | 2 | 696 | 1392 |
| CA80 | 27 | 12.5 | 2 | 633 | 1266 |
| CA80 | 28 | 16.0 | 1 | 260 | 260 |
| CA80 | 29 | 16.0 | 2 | 643 | 1286 |

RESUMO DO AÇO

| AÇO | DIAM (mm) | C.TOTAL (m) | PESO+10% (kg) |
|-----------------|-----------|-------------|---------------|
| CA80 | 10.0 | 232.7 | 157.8 |
| CA80 | 12.5 | 26.1 | 29.6 |
| CA80 | 16.0 | 15.5 | 26.9 |
| CA80 | 5.0 | 394.3 | 66.8 |
| PESO TOTAL (kg) | | | |
| CA80 | | 214.5 | |
| CA80 | | 66.8 | |

(C-25) = 2.84 m³
Área de forma = 45.57 m²



Forma do pavimento Cobertura 2 (Nível 360) escala 1:50

Blocos de enchimento

| Detalhe | Tipo | Nome | Dimensões(cm) | Quantidade |
|---------|-------------------|-----------|---------------|------------|
| 1 | EPS Unidirecional | B8/30/125 | 8 30 125 | 136 |

Vigas

| Nome | Seção (cm) | Elevação (cm) | Nível (cm) |
|--------|------------|---------------|------------|
| VC2-1 | 14x30 | 0 | 360 |
| VC2-2 | 14x30 | 0 | 360 |
| VC2-3 | 14x30 | 0 | 360 |
| VC2-4 | 14x30 | 0 | 360 |
| VC2-5 | 14x30 | 0 | 360 |
| VC2-6 | 15x30 | 0 | 360 |
| VC2-7 | 14x30 | 0 | 360 |
| VC2-8 | 14x30 | 0 | 360 |
| VC2-9 | 14x30 | 0 | 360 |
| VC2-10 | 37x30 | 0 | 360 |

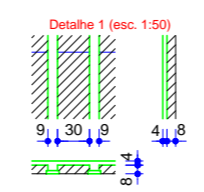
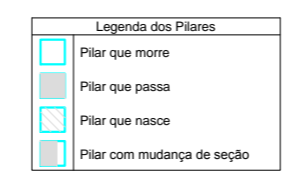
Lajes

| Nome | Tipo | Altura (cm) | Elevação (cm) | Nível (cm) | Sobrecarga (kg/m²) |
|-------|--------------|-------------|---------------|------------|--------------------|
| LC2-1 | Treliçada 1D | 12 | 0 | 360 | 130 |
| LC2-2 | Treliçada 1D | 12 | -18 | 342 | 130 |
| LC2-3 | Treliçada 1D | 12 | -18 | 342 | 130 |
| LC2-4 | Treliçada 1D | 12 | -18 | 342 | 130 |
| LC2-5 | Treliçada 1D | 12 | -18 | 342 | 130 |
| LC2-6 | Treliçada 1D | 12 | -18 | 342 | 130 |
| LC2-7 | Treliçada 1D | 12 | -18 | 342 | 130 |

Características dos materiais

| f _{ck} (kgf/cm²) | Ecs (kgf/cm²) | f _{ct} (kgf/cm²) | Abatimento (cm) |
|---------------------------|---------------|---------------------------|-----------------|
| 25.0 | 24150.0 | 26 | 5.00 |

Dimensão máxima do agregado = 19 mm



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ESTRUTURA
PROJETO PADRÃO 3
DELEGACIA DE PIRACANJUBA - GOIÁS

PROPRIETÁRIO: Polícia Civil Do Estado de Goiás
CNPJ :37.014.123/0001-91

AUTOR DO PROJETO: eng. Cláudio Henrique Garcez
CREA 9566/D-GO/DF

R.T.: _____

CONTEÚDO: ÁREAS:
-FORMA DO PAVIMENTO COBERTURA 2
-DETAHE DE VIGA COBERTURA 2 VER ARQUITETURA

DATA: MAIO/2017 ESCALA: INDICADA

APROVAÇÃO: _____

| Vigas | | | |
|-------|------------|---------------|------------|
| Nome | Seção (cm) | Elevação (cm) | Nível (cm) |
| VBAR1 | 14x30 | 0 | 412 |
| VBAR2 | 14x30 | 0 | 412 |
| VBAR3 | 14x30 | 0 | 412 |

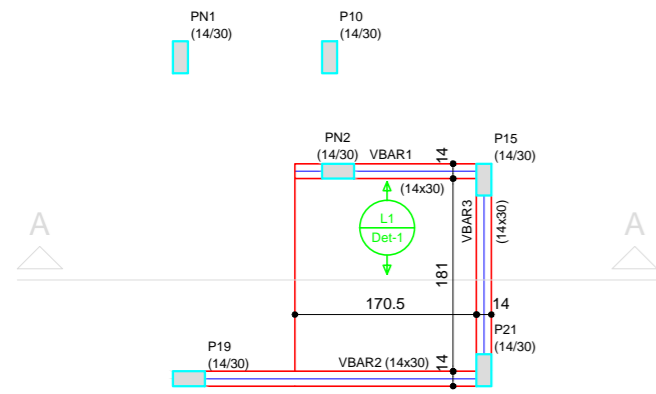
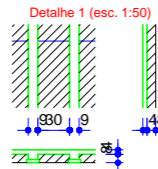
| Blocos de enchimento | | | | | | |
|----------------------|-------------------|-----------|---------------|----|------------|---|
| Detalhe | Tipo | Nome | Dimensões(cm) | | Quantidade | |
| | | | hb | bx | by | |
| 1 | EPS Unidirecional | B8/30/125 | 8 | 30 | 125 | 8 |

| Lajes | | | | | |
|-------|--------------|-------------|---------------|------------|--------------------|
| Nome | Tipo | Altura (cm) | Elevação (cm) | Nível (cm) | Sobrecarga (kg/m²) |
| L1 | Treliçada 1D | 12 | 0 | 412 | 180 |

| Características dos materiais | | | |
|-------------------------------|---------------|---------------|-----------------|
| fck (kgf/cm²) | Ecs (kgf/cm³) | fct (kgf/cm²) | Abatimento (cm) |
| 250 | 241500 | 26 | 5,00 |

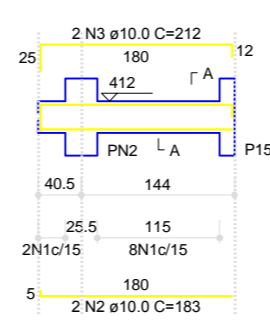
Dimensão máxima do agregado = 19 mm

| Legenda dos Pilares | | | |
|---------------------|----------------------------|--|--|
| | Pilar que morre | | |
| | Pilar que passa | | |
| | Pilar que nasce | | |
| | Pilar com mudança de seção | | |

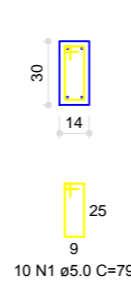


Forma do pavimento Barrilete
escala 1:50

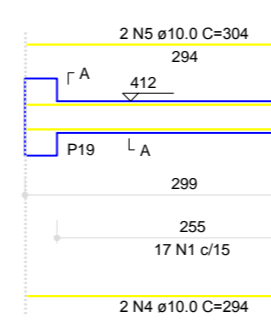
VBAR1 (14 x 30)
ESC 1:50



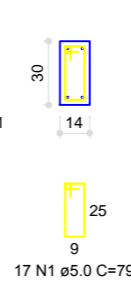
SEÇÃO A-A
ESC 1:25



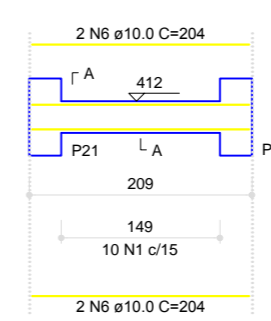
VBAR2 (14 x 30)
ESC 1:50



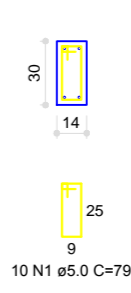
SEÇÃO A-A
ESC 1:25



VBAR3 (14 x 30)
ESC 1:50



SEÇÃO A-A
ESC 1:25



RELAÇÃO DO AÇO

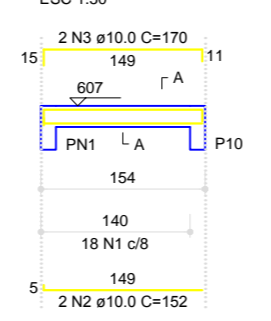
| AÇO | N | DIAM (mm) | QUANT (Barra) | UNIT (cm) | C.TOTAL (cm) |
|------|---|-----------|---------------|-----------|--------------|
| CA50 | 1 | 5.0 | 37 | 79 | 2923 |
| CA50 | 2 | 10.0 | 2 | 183 | 366 |
| CA50 | 3 | 10.0 | 2 | 212 | 424 |
| CA50 | 4 | 10.0 | 2 | 294 | 588 |
| CA50 | 5 | 10.0 | 2 | 304 | 608 |
| CA50 | 6 | 10.0 | 4 | 204 | 816 |

RESUMO DO AÇO

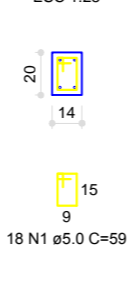
| AÇO | DIAM (mm) | C.TOTAL (m) | PESO+10% (kg) |
|-----------------|-----------|-------------|---------------|
| CA50 | 10.0 | 28.0 | 19.0 |
| CA50 | 5.0 | 29.4 | 5.0 |
| PESO TOTAL (kg) | | | 24.0 |
| CA50 | 19.0 | | |
| CA60 | 5.0 | | |

(C-25) = 0.29 m²
Área de forma = 5.12 m²

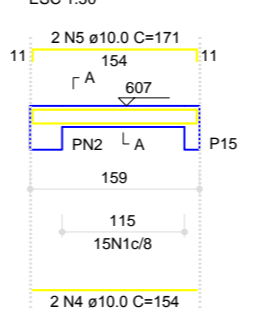
VCBAR1 (14 x 20)
ESC 1:50



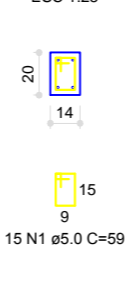
SEÇÃO A-A
ESC 1:25



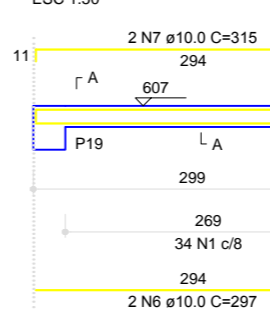
VCBAR2 (14 x 20)
ESC 1:50



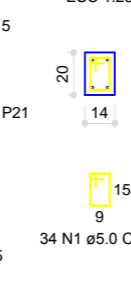
SEÇÃO A-A
ESC 1:25



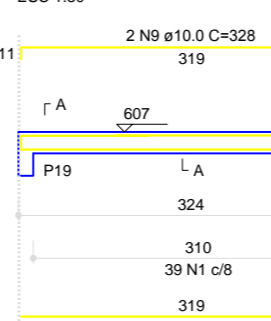
VCBAR3 (14 x 20)
ESC 1:50



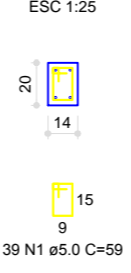
SEÇÃO A-A
ESC 1:25



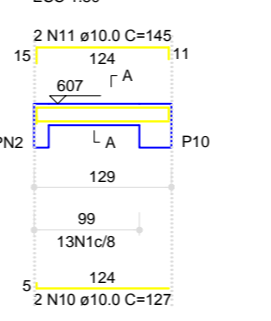
VCBAR4 (14 x 20)
ESC 1:50



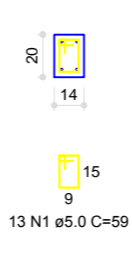
SEÇÃO A-A
ESC 1:25



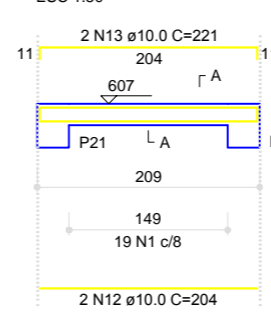
VCBAR5 (14 x 20)
ESC 1:50



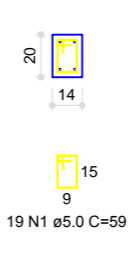
SEÇÃO A-A
ESC 1:25



VCBAR6 (14 x 20)
ESC 1:50



SEÇÃO A-A
ESC 1:25

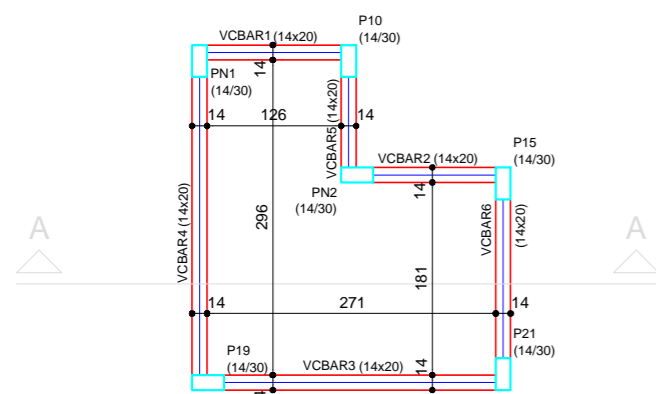


| Vigas | | | |
|--------|------------|---------------|------------|
| Nome | Seção (cm) | Elevação (cm) | Nível (cm) |
| VCBAR1 | 14x20 | 0 | 607 |
| VCBAR2 | 14x20 | 0 | 607 |
| VCBAR3 | 14x20 | 0 | 607 |
| VCBAR4 | 14x20 | 0 | 607 |
| VCBAR5 | 14x20 | 0 | 607 |
| VCBAR6 | 14x20 | 0 | 607 |

| Características dos materiais | | | |
|-------------------------------|---------------|---------------|-----------------|
| fck (kgf/cm²) | Ecs (kgf/cm³) | fct (kgf/cm²) | Abatimento (cm) |
| 250 | 241500 | 26 | 5,00 |

Dimensão máxima do agregado = 19 mm

| Legenda dos Pilares | | | |
|---------------------|----------------------------|--|--|
| | Pilar que morre | | |
| | Pilar que passa | | |
| | Pilar que nasce | | |
| | Pilar com mudança de seção | | |



Forma do pavimento Cob barrilete
escala 1:50

RELAÇÃO DO AÇO

| AÇO | N | DIAM (mm) | QUANT (Barra) | UNIT (cm) | C.TOTAL (cm) |
|------|----|-----------|---------------|-----------|--------------|
| CA50 | 1 | 5.0 | 139 | 59 | 8142 |
| CA50 | 2 | 10.0 | 2 | 152 | 304 |
| CA50 | 3 | 10.0 | 2 | 170 | 340 |
| CA50 | 4 | 10.0 | 2 | 154 | 308 |
| CA50 | 5 | 10.0 | 2 | 171 | 342 |
| CA50 | 6 | 10.0 | 2 | 297 | 594 |
| CA50 | 7 | 10.0 | 2 | 315 | 630 |
| CA50 | 8 | 10.0 | 2 | 322 | 644 |
| CA50 | 9 | 10.0 | 2 | 328 | 656 |
| CA50 | 10 | 10.0 | 2 | 127 | 254 |
| CA50 | 11 | 10.0 | 2 | 145 | 290 |
| CA50 | 12 | 10.0 | 2 | 204 | 408 |
| CA50 | 13 | 10.0 | 2 | 221 | 442 |

RESUMO DO AÇO

| AÇO | DIAM (mm) | C.TOTAL (m) | PESO+10% (kg) |
|-----------------|-----------|-------------|---------------|
| CA50 | 10.0 | 52.1 | 35.4 |
| CA60 | 5.0 | 52.1 | 13.9 |
| PESO TOTAL (kg) | | | 49.3 |
| CA50 | 35.4 | | |
| CA60 | 13.9 | | |

(C-25) = 0.36 m²
Área de forma = 6.88 m²

| REVISÃO Nº | DATA | DESCRIÇÃO |
|------------|------------|-----------|
| xx | xx/xx/xxxx | |

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CEP 74663-570, Fone : (62) 3206-0689/8417-0683

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CNPJ :37.014.123/0001-91

AUTOR DO PROJETO: eng. Cláudio Henrique Garcez
CREA 9566/D-GO/DF

R.T.: _____

CONTEÚDO: FORMA DO PAVIMENTO BARRILETE
DETALHE DE VIGA DO BARRILETE
FORMA DO PAV. COBERTURA BARRILETE
DETALHE DE VIGA DA COB. DO BARRILETE

ÁREAS: VER ARQUITETURA

DATA: MAIO/2017 ESCALA: INDICADA

APROVAÇÃO: _____

PRANCHA **14/14**