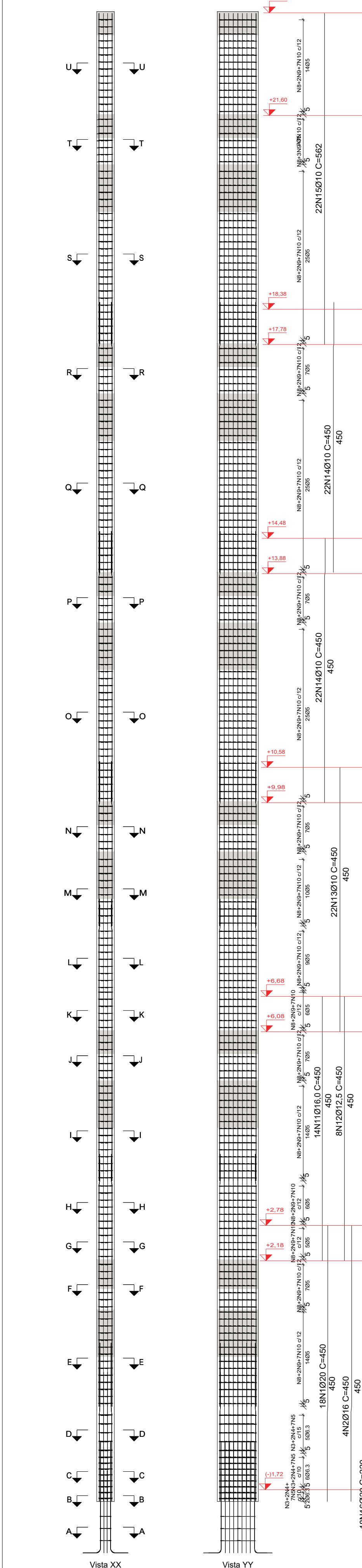
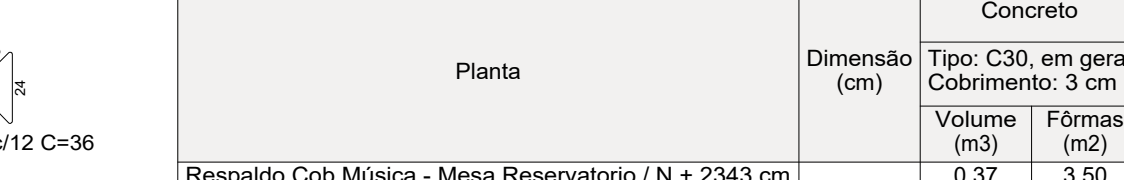
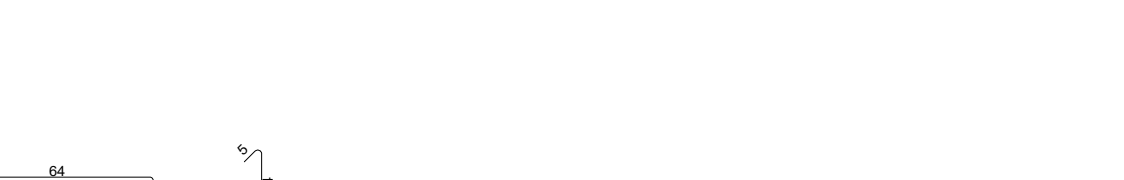
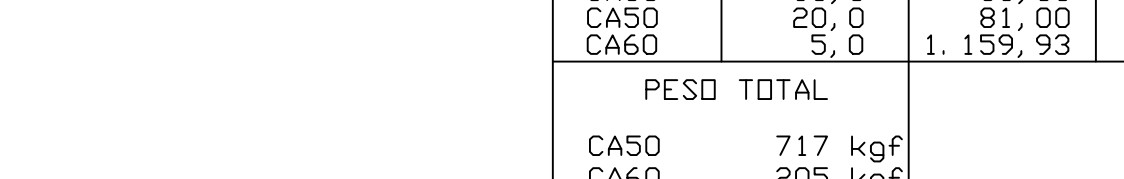
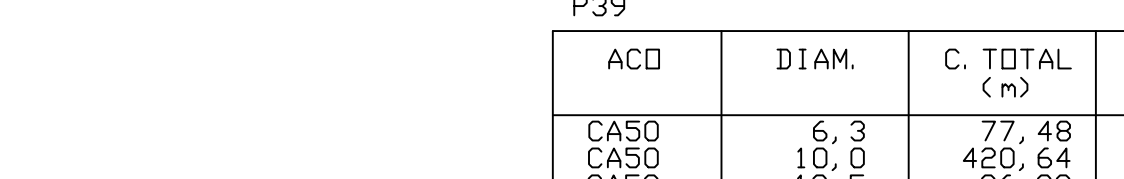
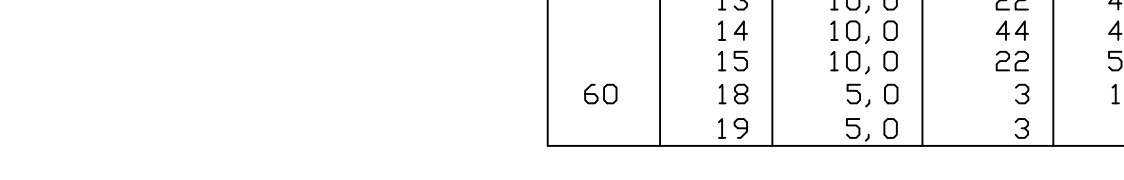
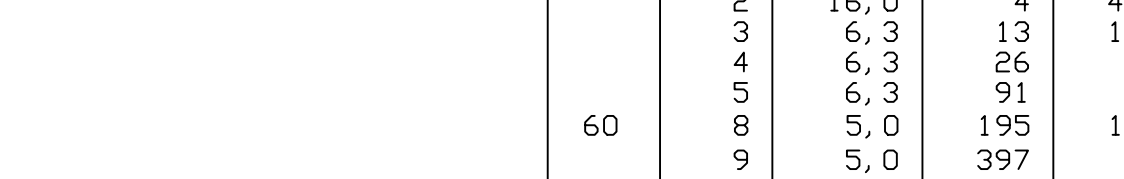
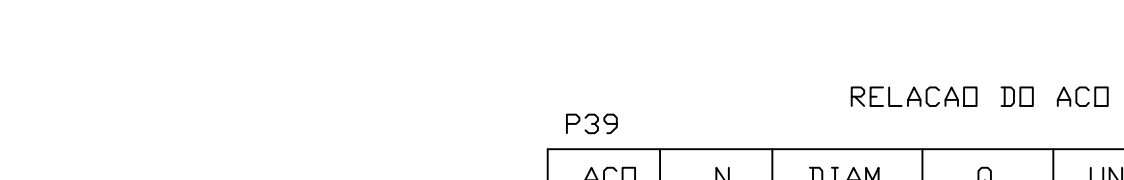
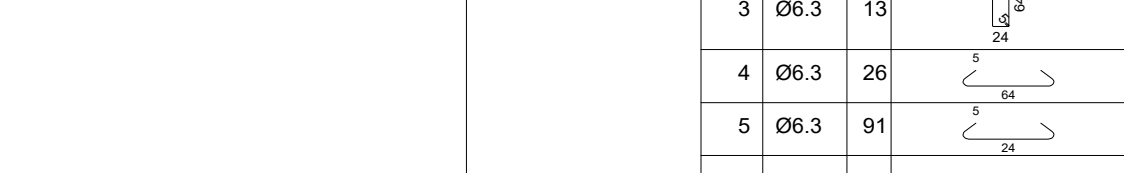
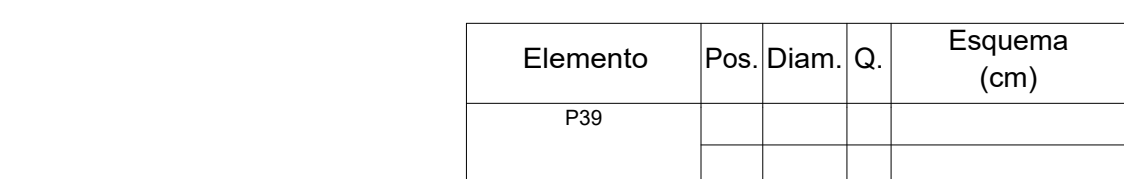
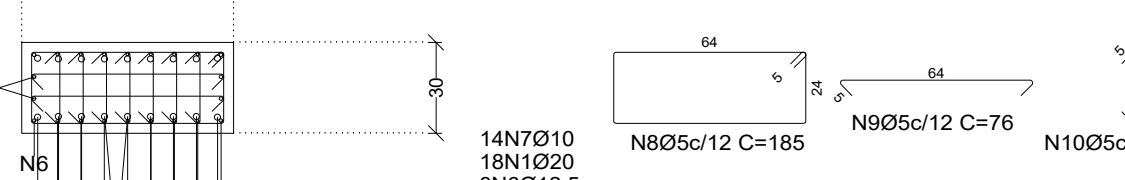
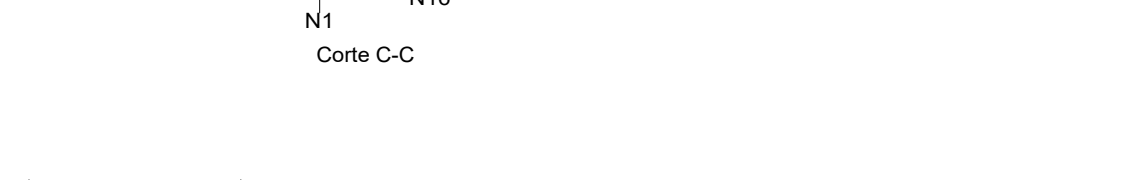
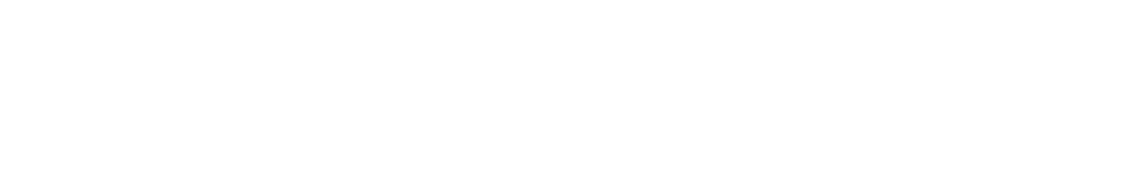
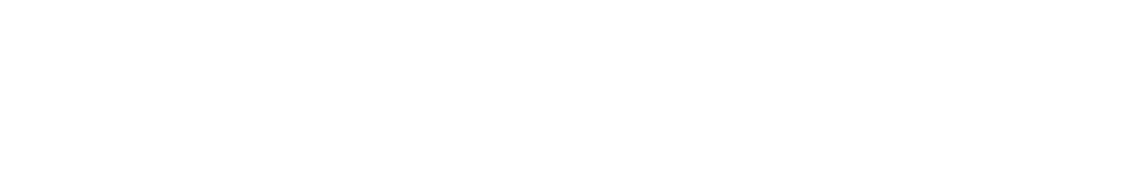
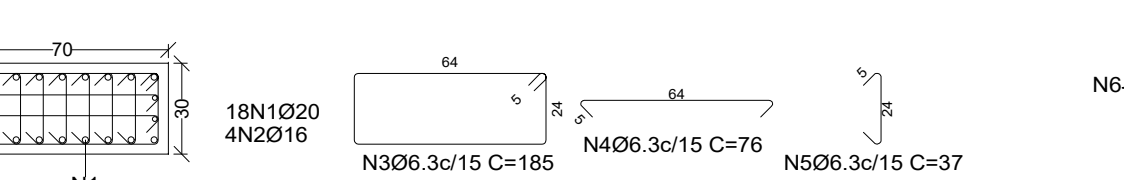
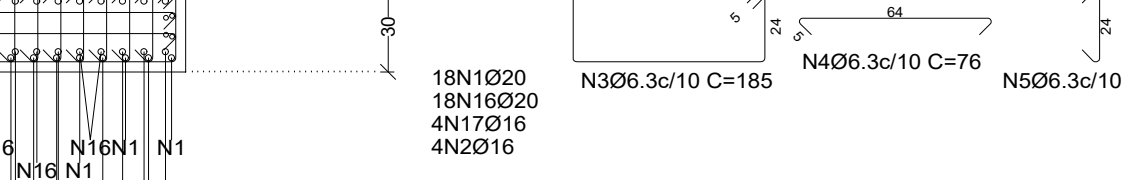
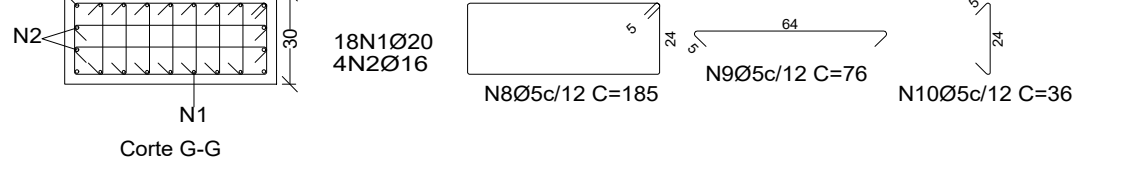
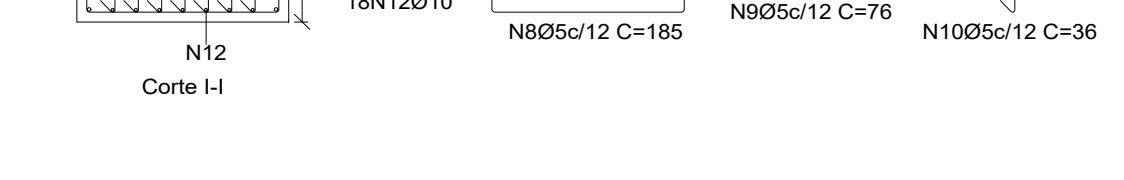
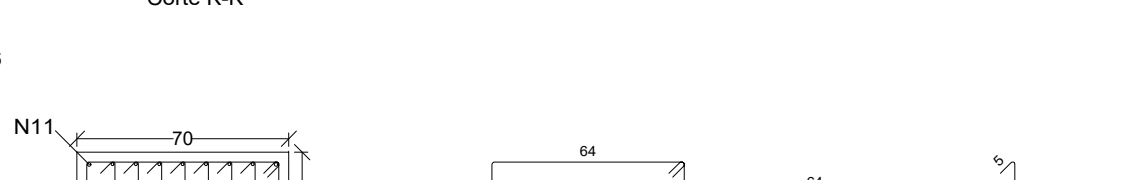
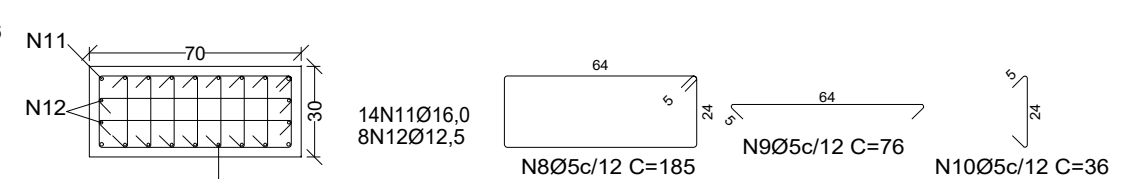
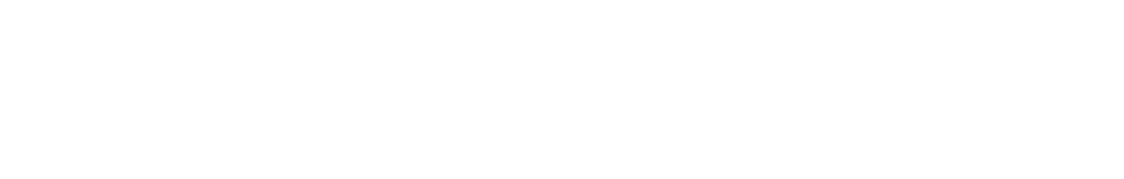
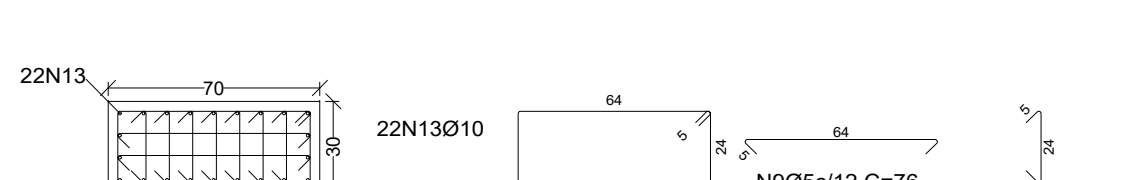
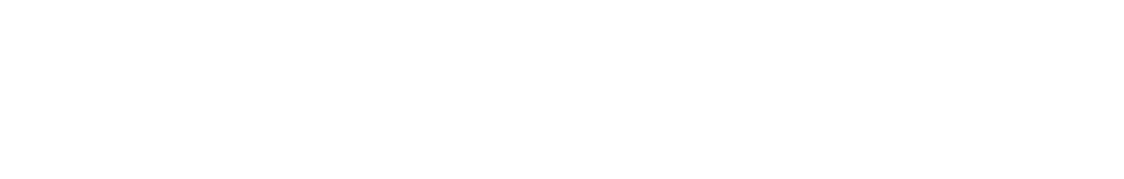
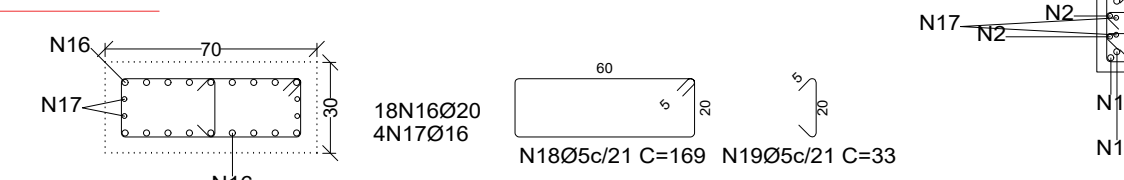
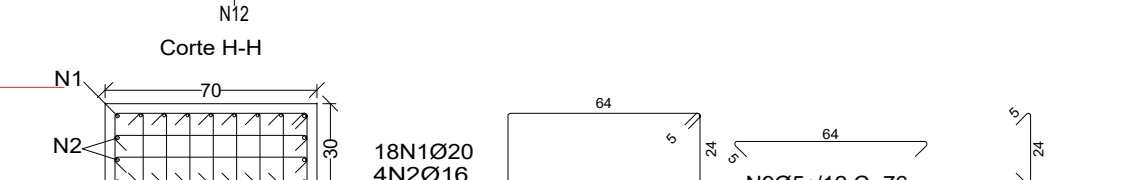
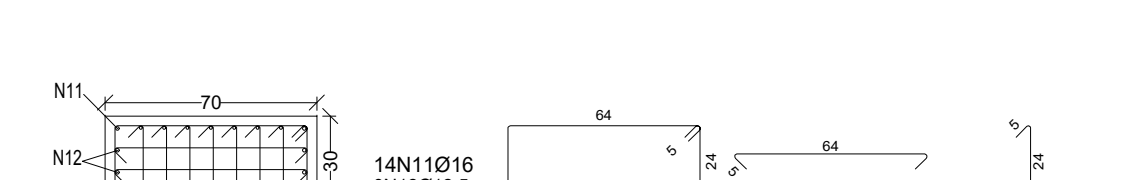
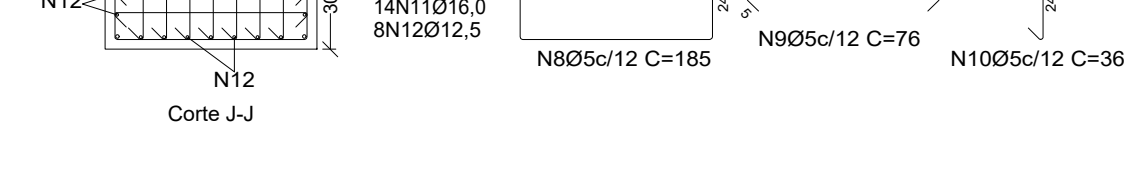
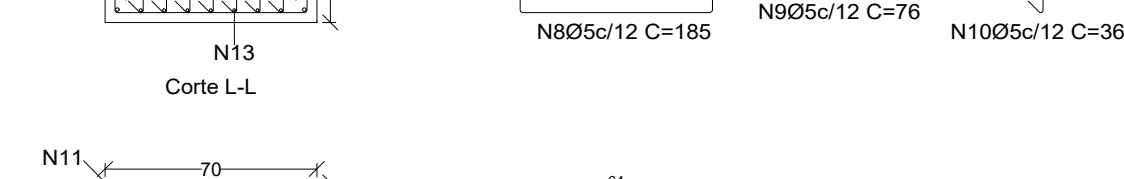
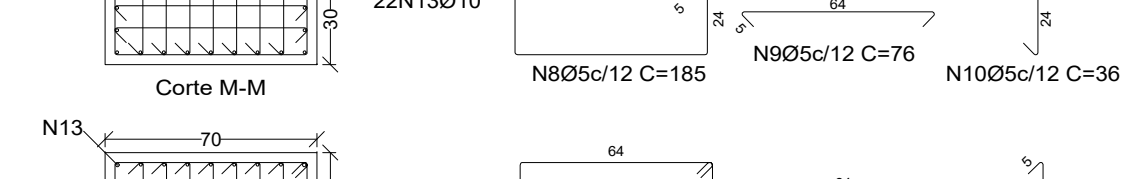
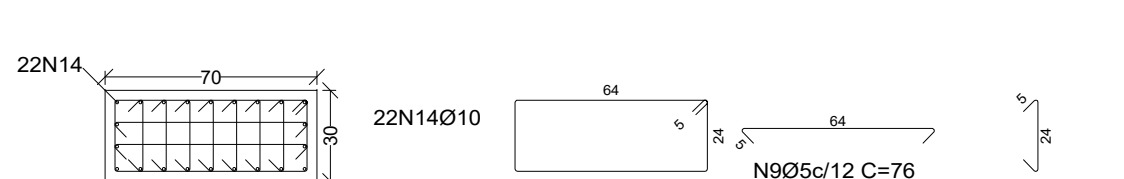
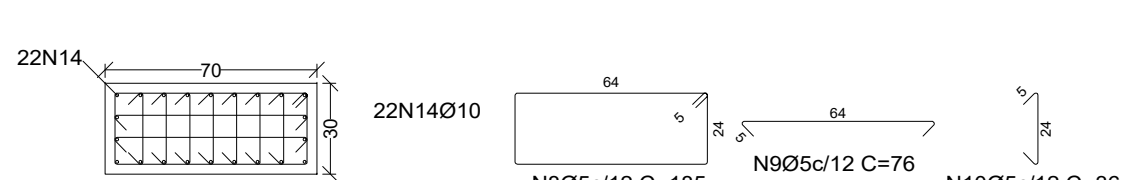
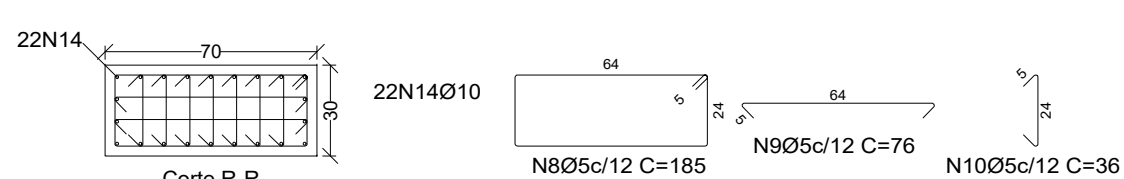
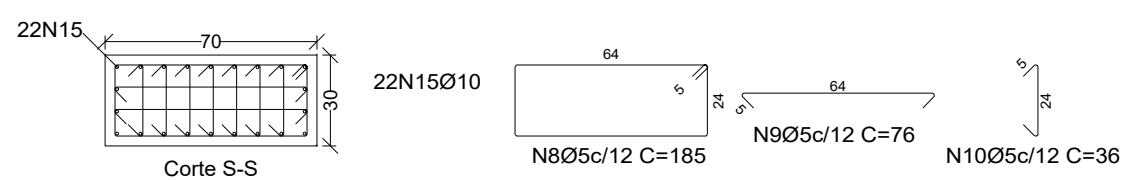
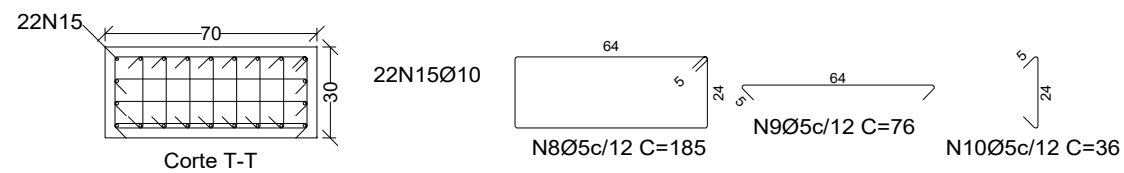
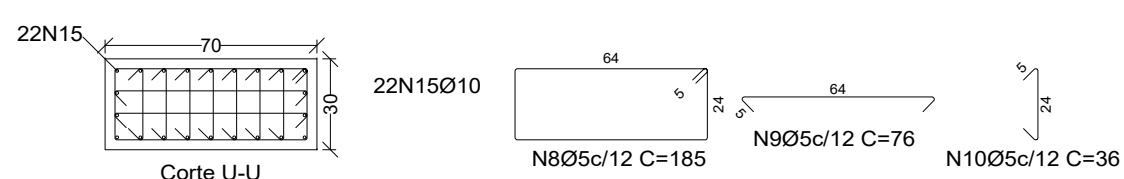


P39-30x70 (x1)



Concreto: C30, em geral
Apo das barras: CA-50 e CA-60
Apo dos estribos: CA-50 e CA-60



| Elemento | Pos. | Diam. | Q. | Esquema (cm) | Comp. (cm) | Total (cm) | CA-50 (kg) | CA-60 (kg) |
|------------|------|-------|----|--------------|------------|------------|------------|------------|
| P39 | | | | | | | | |
| 3 | 06.3 | 13 | | | 185 | 2405 | 5.9 | |
| 4 | 06.3 | 26 | | | 76 | 1976 | 4.8 | |
| 5 | 06.3 | 91 | | | 37 | 3367 | 8.2 | |
| 6 | 05 | 195 | | | 185 | 36075 | 56.6 | |
| 9 | 05 | 397 | | | 76 | 30172 | 47.4 | |
| 10 | 05 | 1365 | | | 36 | 49140 | 77.1 | |
| 18 | 05 | 3 | | | 189 | 507 | 0.8 | |
| 19 | 05 | 3 | | | 33 | 99 | 0.2 | |
| Total=10%: | | | | | | | | |

RELACAO DO ACO

| ACD | N | DIAM. | Q. | UNIT (cm) | C. TOTAL (cm) |
|-----|----|-------|------|-----------|---------------|
| 50 | 1 | 20.0 | 18 | 450 | 8100 |
| | 2 | 16.0 | 4 | 450 | 1800 |
| | 3 | 6.3 | 13 | 185 | 2405 |
| | 4 | 6.3 | 26 | 76 | 1976 |
| | 5 | 6.3 | 91 | 37 | 3367 |
| 60 | 8 | 5.0 | 195 | 185 | 36075 |
| | 9 | 5.0 | 397 | 76 | 30172 |
| | 10 | 5.0 | 1365 | 36 | 49140 |
| 50 | 11 | 16.0 | 14 | 450 | 6300 |
| | 12 | 12.5 | 8 | 450 | 3600 |
| | 13 | 10.0 | 22 | 450 | 9900 |
| | 14 | 10.0 | 44 | 450 | 19800 |
| | 15 | 10.0 | 22 | 562 | 12364 |
| | 18 | 5.0 | 3 | 169 | 507 |
| | 19 | 5.0 | 3 | 33 | 99 |

RESUMO DO ACO

| ACD | DIAM. | C. TOTAL (m) | PESO+10% (kgF) |
|------------|-------|--------------|----------------|
| CASO | 6.3 | 77.48 | 22 |
| CASO | 10.0 | 420.64 | 295 |
| CASO | 12.5 | 36.00 | 40 |
| CASO | 16.0 | 81.00 | 143 |
| CASO | 20.0 | 81.00 | 220 |
| CA60 | 5.0 | 1.159.93 | 205 |
| PESO TOTAL | | | |
| CASO | | 717 | kgF |
| CA60 | | 205 | kgF |

Escala: 1:50
Escala: 1:50

| Planta | Dimensao (cm) | Concreto | | Armaduras CA-50 e CA-60 | | Taxa (kg/m3) |
|--|---------------|---------------------|------------------|-------------------------|---------------|--------------|
| | | Tipo: C30, em geral | Cobrimento: 3 cm | Longitudinal (kg) | Estribos (kg) | |
| Respaldo Cob. Musica - Massa Reservatorio / N° 2343 cm | | 0.37 | 3.50 | - | 12.9 | 35.10 |
| Cobertura Musica / N° 2168 cm | | 0.82 | 7.80 | 76.2 | 30.4 | 117.3 |
| Pav. 4 Musica / N° 1778 cm | | 0.82 | 7.80 | 62.4 | 28.6 | 101.2 |
| Pav. 3 Musica / N° 1388 cm | | 0.82 | 7.80 | 62.4 | 28.6 | 101.2 |
| Pav. 2 Musica / N° 998 cm | | 0.45 | 4.24 | 38.0 | 15.7 | 59.1 |
| Respaldo Cobertura Marcenaria / N° 778 cm | | 0.23 | 2.20 | - | 8.3 | 35.93 |
| Laje Cobertura Bloco Marcenaria / N° 668 cm | | 0.14 | 1.36 | - | 5.5 | 6.1 |
| Pav. 1 Musica / N° 668 cm | | 0.54 | 5.12 | 70.6 | 19.4 | 99.0 |
| Platbanda Pav1 Marcenaria / N° 353 cm | | 0.16 | 1.48 | - | 5.5 | 6.1 |
| Pav. 1 Marcenaria / N° 278 cm | | 0.19 | 1.20 | - | 4.6 | 5.1 |
| Pav. Terreo Musica / N° 218 cm | | 0.53 | 5.01 | 69.4 | 19.4 | 97.7 |
| Contenção / N° 148 cm | | 0.17 | 1.59 | - | 7.3 | 8.0 |
| Pav. Terreo Marcenaria / N° 112 cm | | 0.19 | 1.24 | - | 8.8 | 9.7 |
| Pav. comum | | 0.04 | 0.40 | 133.8 | 2.9 | 150.4 |
| Total | | 5.33 | 50.74 | 512.6 | 200.1 | 784.2 |

ACO=CA-50 e GDI;
fy = 5.000 Kg/cm2 e fy = 6.000 Kg/cm2 respectivamente;
fck = 300 Kg/cm2 (FUNDAÇÃO);
fck = 300 Kg/cm2 (ESTRUTURA).

MAPA CHAVE:

HISTÓRICO DE REVISÕES

| REVISÃO | DATA | MOTIVAÇÃO | SOLICITANTE | CONTEUDO | AUTOR |
|---------|----------|--|-------------|--------------------|----------|
| R22 | 08/05/05 | Revisão e Adequação do Projeto de Estrutura Mista (apresentação) | SEINFRA | PROJETO ESTRUTURAL | Domingos |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

LEGENDAS

CARIMBO DE APROVAÇÃO :

APROVAÇÃO DE PROJETOS

Os Projetos referentes ao Processo SEI N°2025020000085, encontram-se dentro das normas e exigências da SEINFRA, tendo sido elaborado por profissionais habilitados.

SEINFRA
Secretaria de Estado
da Infraestrutura



The Prime Tamarandê Office - Rua S. 491 305 - Setor Oeste, Goiânia - GO
CEP: 74115-060

PROJETO ESTRUTURAL ESTRUTURA MISTA EM AÇO-CONCRETO

RUA 28, 513-561 - AV. UNIVERSITÁRIA, 1750 - SETOR LESTE UNIVERSITÁRIO, CEP 74005-010, GOIÂNIA-GO

ESCOLA DO FUTURO DO ESTADO DE GOIÁS EM ARTES BASILEU FRANÇA - BLOCO 01 - MÚSICA

6 PAVIMENTOS

RESPONSÁVEL LEGAL: SECRETARIA DO ESTADO DE DESENVOLVIMENTO E INOVAÇÃO CNPJ: 21.852.711/0001-10

AUTOR DO PROJETO: PETRUS ENGENHARIA CONST. E ADM LTDA. CREA: 18610/RP

CO-AUTOR DO PROJETO: ENG. JADER AVELINO B. SILVA - CREA: 1018608/22-D-GO

AUTOR DA ADEQUAÇÃO: ENG. EDUARDO GOMES DE MORAIS - CREA: 103590 - GO

ENG. CIVIL DOMINGOS PASCHOAL CARDOSO - CREA: 77980-D-GO

CONTEUDO DETALHE DO PILAR (P39).

| ÁREA DO TERRENO ORIGINAL | DESENHO | DATA | INDICADA | FOLHA |
|--------------------------|-----------|------------|----------|-------|
| 143,80m² | 2/25/2005 | 28/05/2005 | 39 | 44 |

ÁREA DA CONSTRUÇÃO: 1380,80m²
PROGRAMA: AUTOCAD 2005

IMPORTANTE:
- Antes da execução, verificar a compatibilidade com os demais projetos complementares: EXECUTIVO, ESTRUTURAL, MECÂNICO E ELÉTRICO.
- Conforme Lei 5.558/66, o uso construído não poderá ser oposto por terceiros sem autorização.