

ESTE DESENHO É DE PROPRIEDADE DA "ICTHUS ENGENHARIA - CREA-MG PL-51.236".  
NÃO PODENDO SER COPIADO PARCIAL OU TOTALMENTE, NEM Cedido A TERCEIROS,  
SEM A PRÉVIA E DEVIDA AUTORIZAÇÃO.

01 P07  
ESCALA 1:25

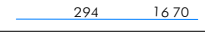
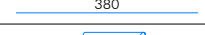
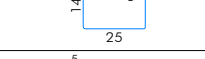
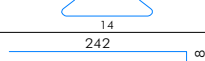
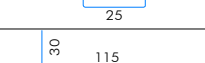
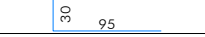
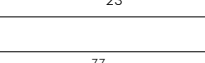
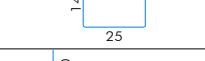
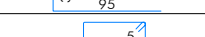
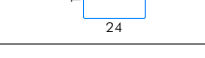
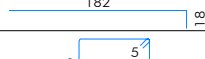
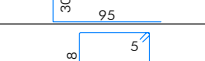
ESCALA 1:25

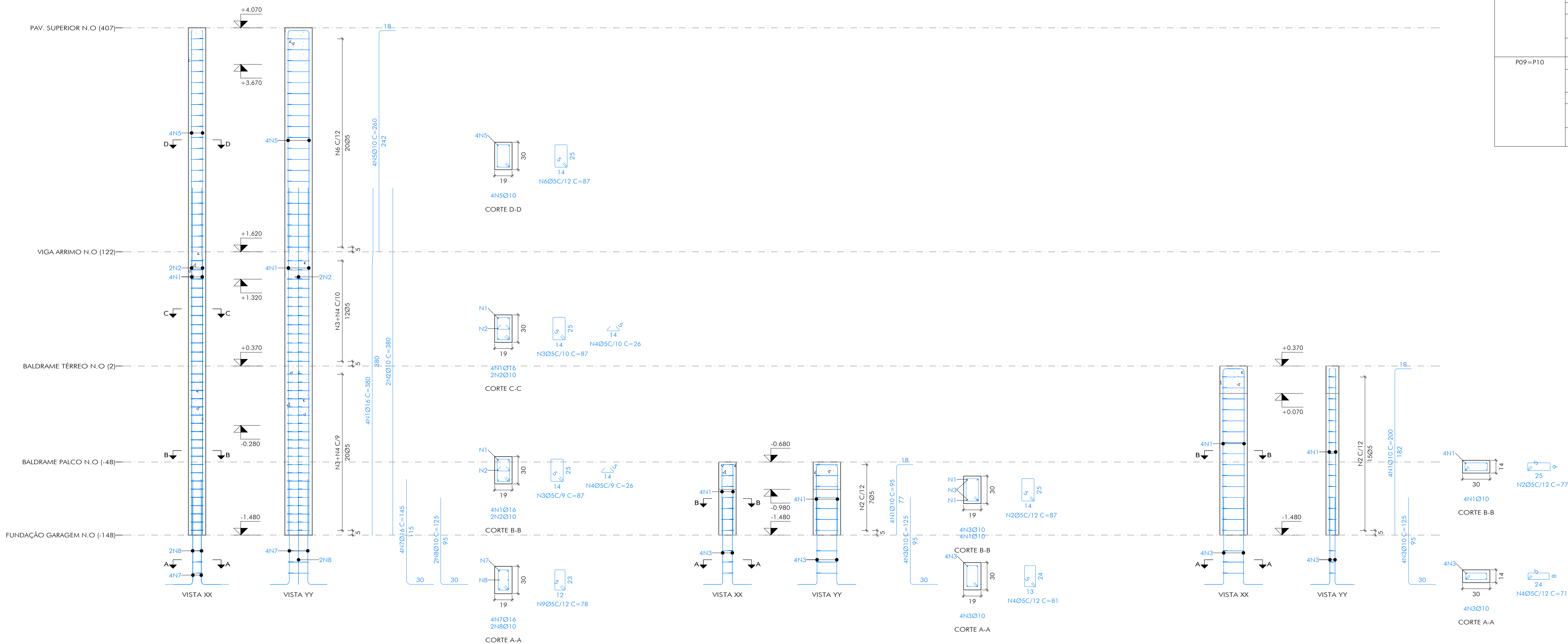
02 P08=P11  
ESCALA 1:25

ESCALA 1:25

03 P09=P1C  
ESCALA 1:25

ESCALA 1:2

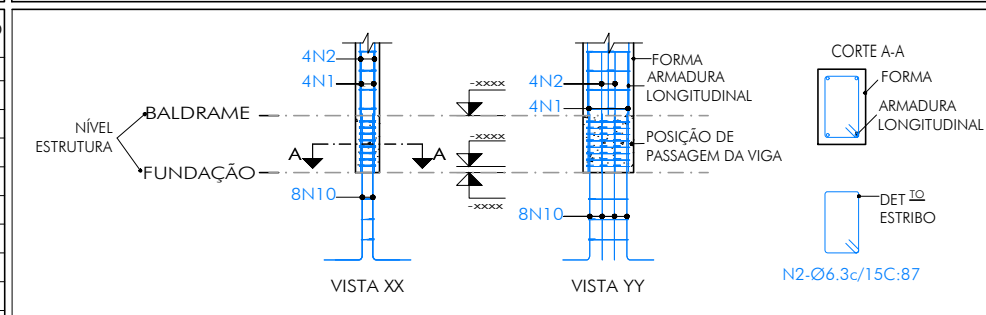
| ELEMENTO | POS. | DIAM. | Q. | ESQUEMA<br>(CM)                                                                     | COMP<br>(CM) | TOTAL<br>(CM) | CA-50<br>(KG) | CA-60<br>(KG) |
|----------|------|-------|----|-------------------------------------------------------------------------------------|--------------|---------------|---------------|---------------|
| P07      | 1    | Ø16   | 4  |  | 380          | 1520          | 24.0          |               |
|          | 2    | Ø10   | 2  |  | 380          | 760           | 4.7           |               |
|          | 3    | Ø5    | 32 |  | 87           | 2784          |               | 4.4           |
|          | 4    | Ø5    | 32 |  | 26           | 832           |               | 1.3           |
|          | 5    | Ø10   | 4  |  | 260          | 1040          | 6.4           |               |
|          | 6    | Ø5    | 20 |  | 87           | 1740          |               | 2.7           |
|          | 7    | Ø16   | 4  |  | 145          | 580           | 9.2           |               |
|          | 8    | Ø10   | 2  |  | 125          | 520           | 1.5           |               |
|          | 9    | Ø5    | 3  |  | 78           | 234           |               | 0.4           |
|          |      |       |    | TOTAL+10%:                                                                          |              |               | 50.4          | 9.7           |
| P08+P11  | 1    | Ø10   | 4  |  | 95           | 380           | 2.3           |               |
|          | 2    | Ø5    | 7  |  | 87           | 609           |               | 1.0           |
|          | 3    | Ø10   | 4  |  | 125          | 500           | 3.1           |               |
|          | 4    | Ø5    | 3  |  | 81           | 243           |               | 0.4           |
|          |      |       |    | TOTAL+10%:<br>(X2):                                                                 |              |               | 5.9<br>11.8   | 1.5<br>3.0    |
| P09+P10  | 1    | Ø10   | 4  |  | 200          | 800           | 4.9           |               |
|          | 2    | Ø5    | 15 |  | 77           | 1155          |               | 1.8           |
|          | 3    | Ø10   | 4  |  | 125          | 500           | 3.1           |               |
|          | 4    | Ø5    | 3  |  | 71           | 213           |               | 0.3           |
|          |      |       |    | TOTAL+10%:<br>(X2):                                                                 |              |               | 8.8<br>17.6   | 2.3<br>4.6    |



ANCORAGEM:

LEGENDA:

| COMP. ANCORAGEM RETA E COM GANCHO |         |                 |
|-----------------------------------|---------|-----------------|
| Fck=30,0MPa                       |         | AÇO CA-50/CA-60 |
| Ø(mm)                             | Lbe(cm) | Lbg(cm)         |
| 5.0                               | 21.0    | 9 + (5)         |
| 6.3                               | 28.1    | 11.5 + (5)      |
| 8.0                               | 35.1    | 14.5 + (5)      |
| 10.0                              | 42.1    | 18 + (5)        |
| 12.5                              | 56.1    | 22.5 + (5)      |
| 16.0                              | 70.1    | 29 + (5)        |
| 20.0                              | 84.2    | 49 + (5)        |



OBSERVAÇÕES:

1- O QUANTITATIVO APRESENTADO NO QUADRO "CONSUMOS", NA FOLHA 25/36, SE REFERE A TODOS OS PILARES DA ESTRUTURA.

|                                                                                                                       |                                                                           |                                   |                                                    |                                                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|-----------------------------------|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
|                                  | CREA: 46.052/D<br>DATA: 04/05/2024                                        | DES: MVCB/NSP<br>DATA: 04/05/2024 | DESIGNAÇÃO Nº: AME-Z/PCE/00-18<br>DATA: 04/05/2024 | FOLHA: 18/36<br>ESCALA: indicado<br>UNIDADE: centímetro<br>REVISÃO Nº: emissão<br>DATA: Ago.2024<br>REVISOR: CRossi |
|                                                                                                                       | SEDE AMESP                                                                |                                   |                                                    |                                                                                                                     |
|                                                                                                                       | CLIENTE: Assoc. Mun. Mic. Médio Sapucaí                                   |                                   |                                                    |                                                                                                                     |
|                                                                                                                       | TÍTULO: PROJETO ESTRUTURAL SUPERESTRUTURA DETALHAMENTO PILARES P07 AO P11 |                                   |                                                    |                                                                                                                     |
|                                                                                                                       | AUTOR DO PROJETO: CARLOS H. A. ROSSI                                      |                                   |                                                    |                                                                                                                     |
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