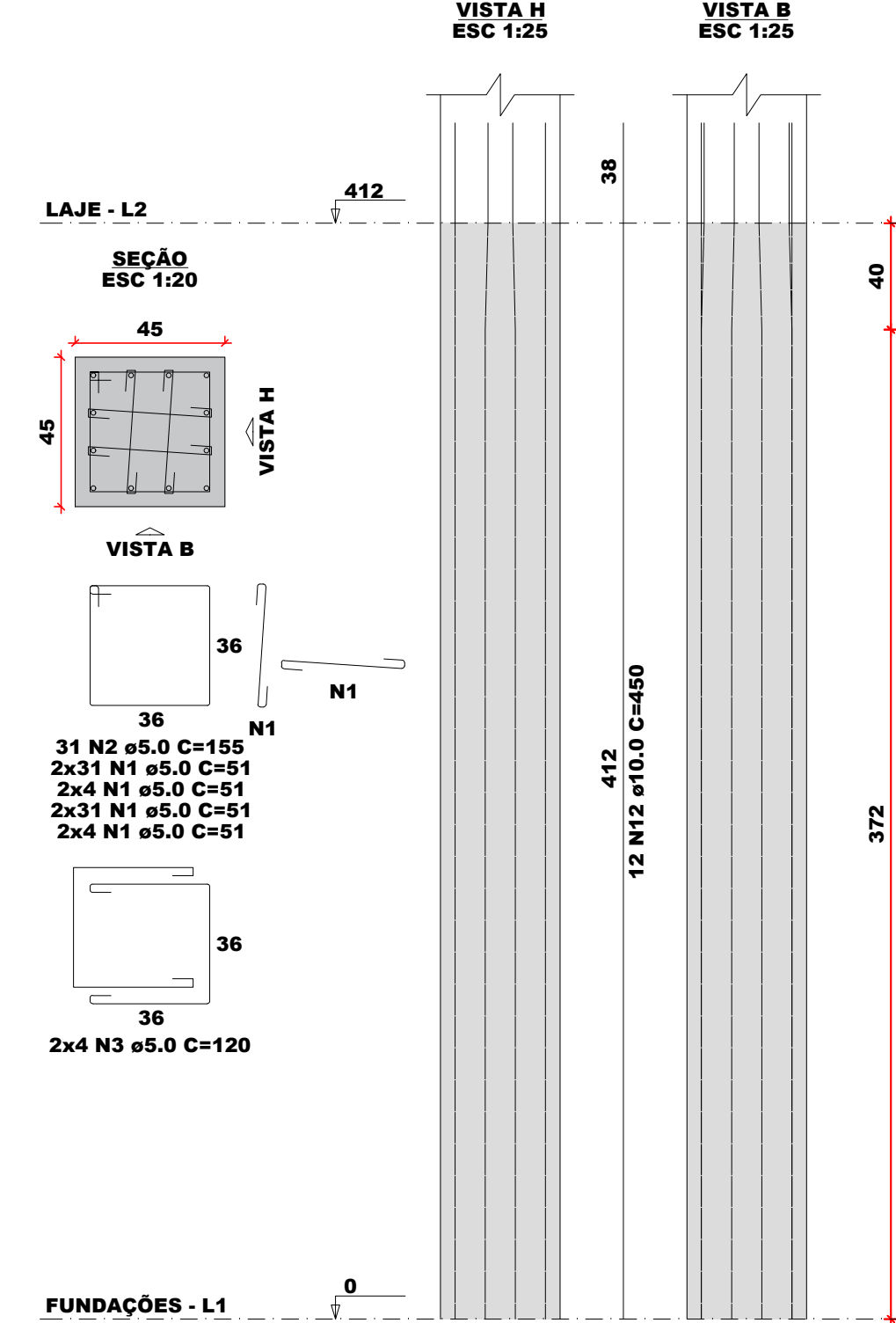
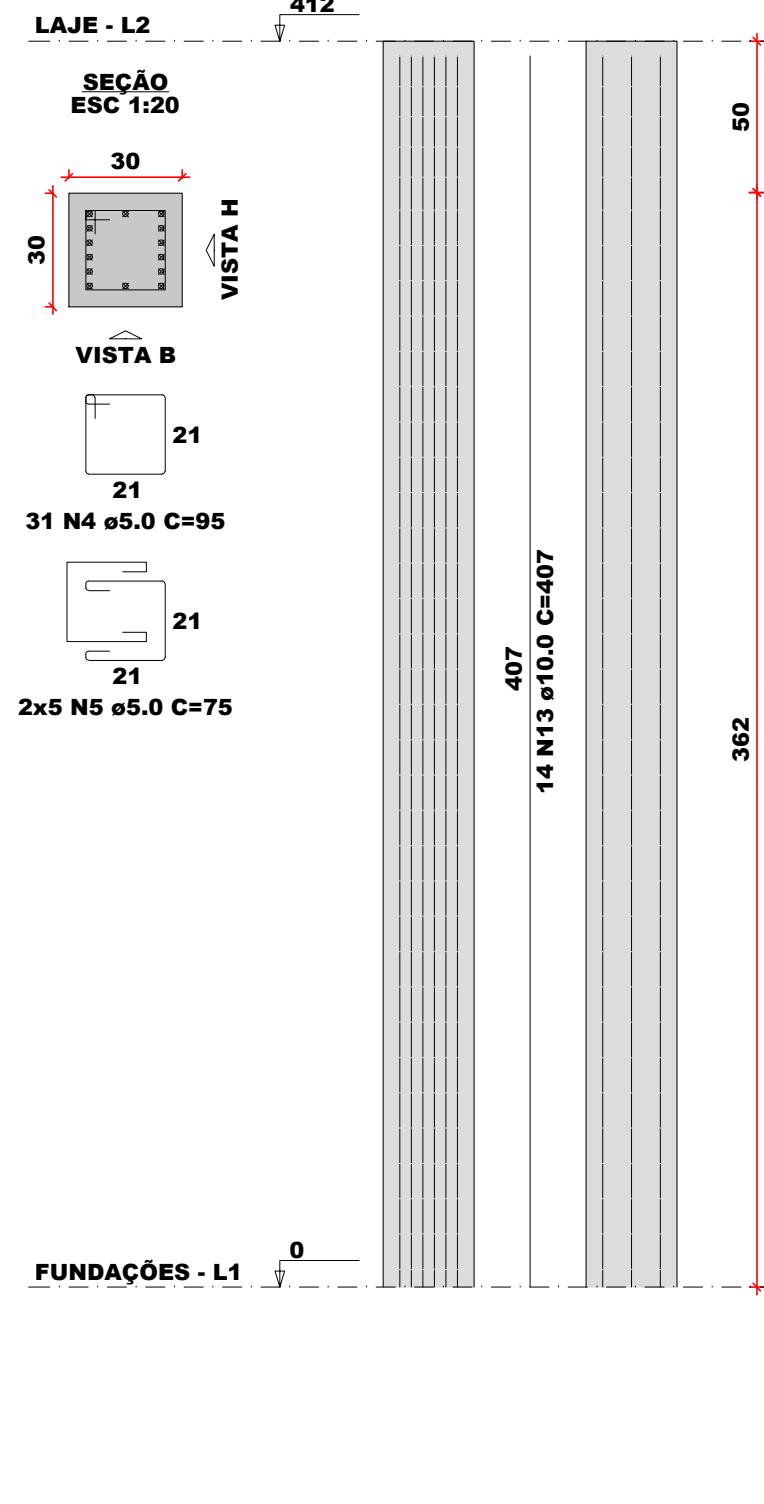


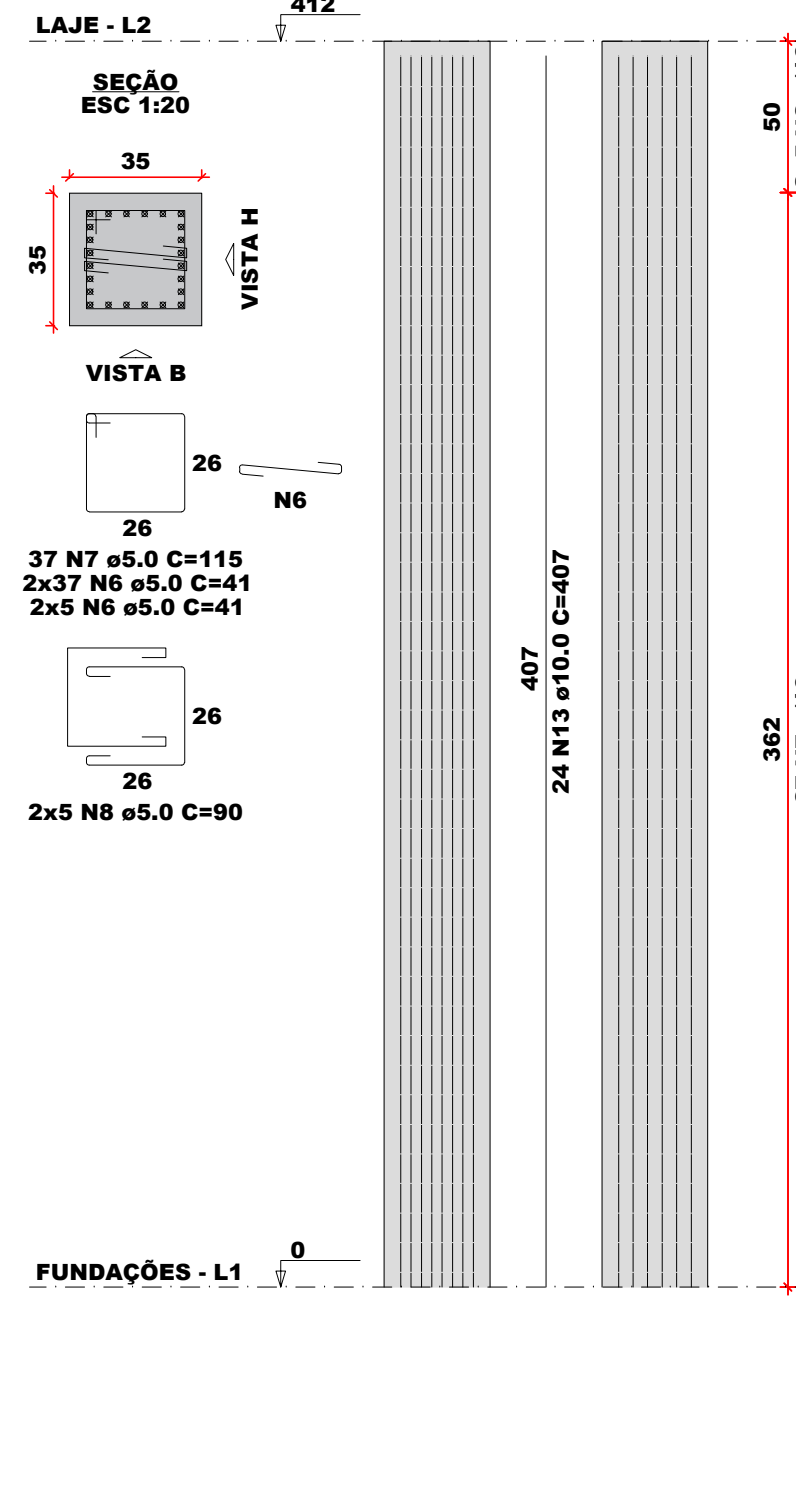
P22=P23=P24=P25



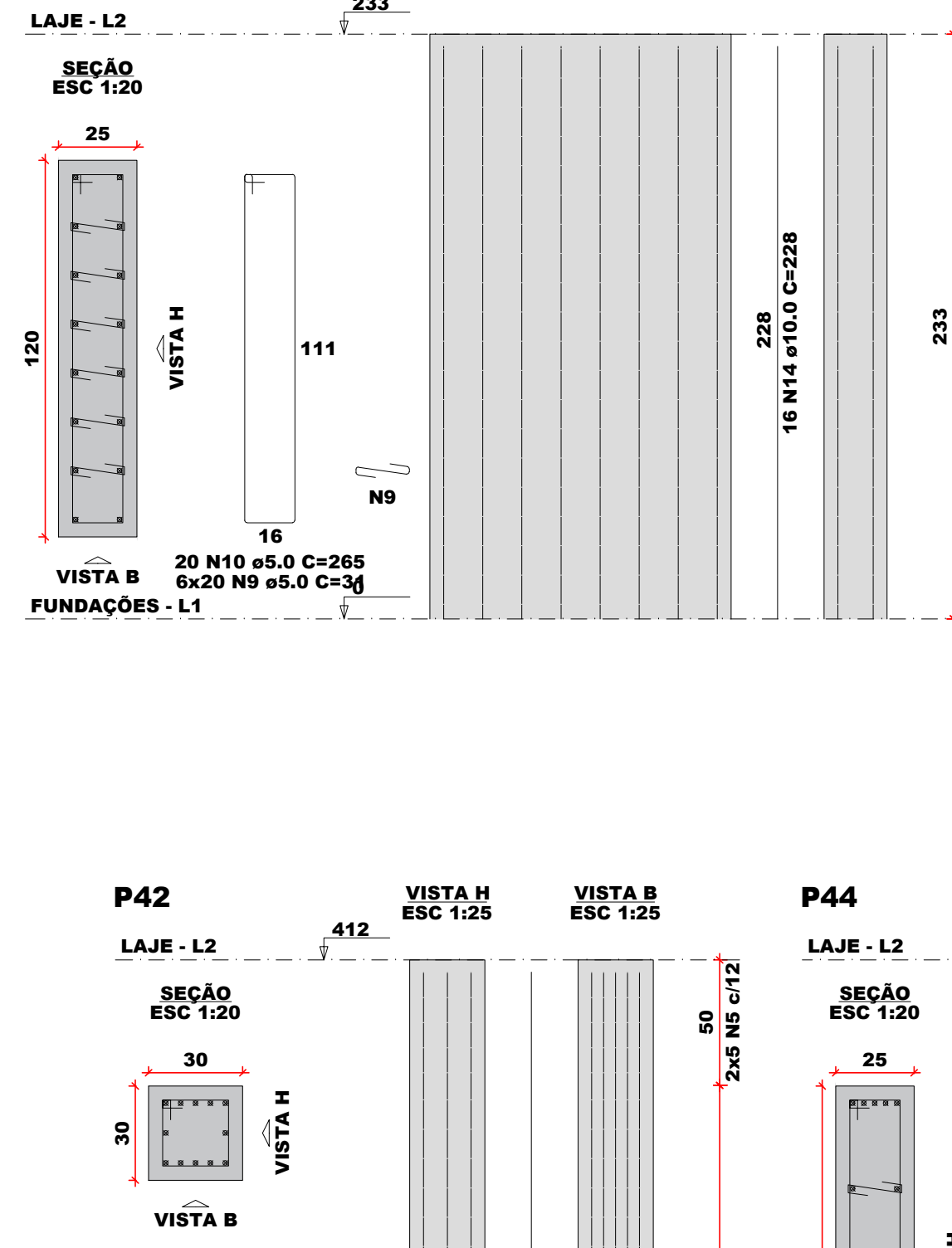
P26



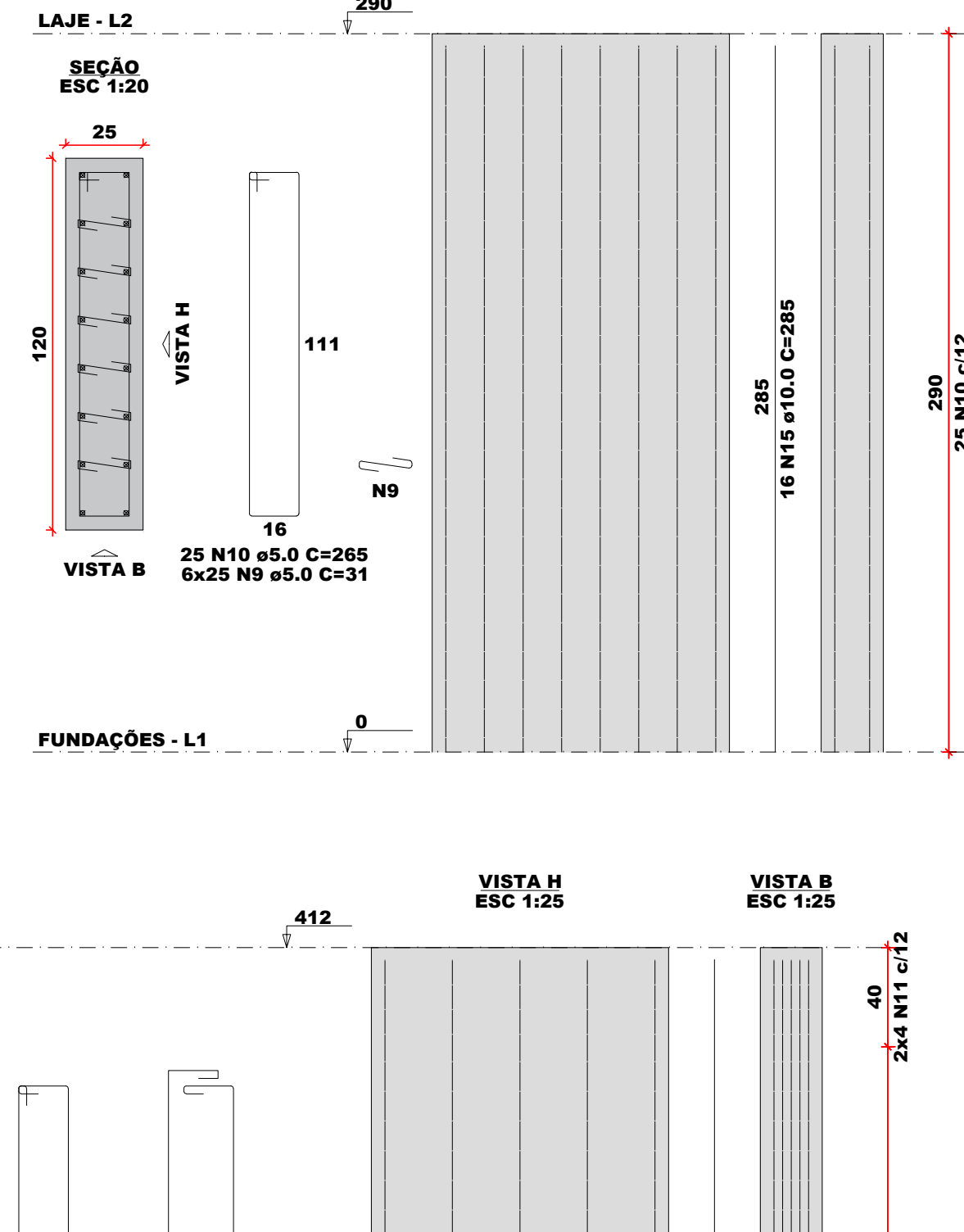
P27



P28=P29

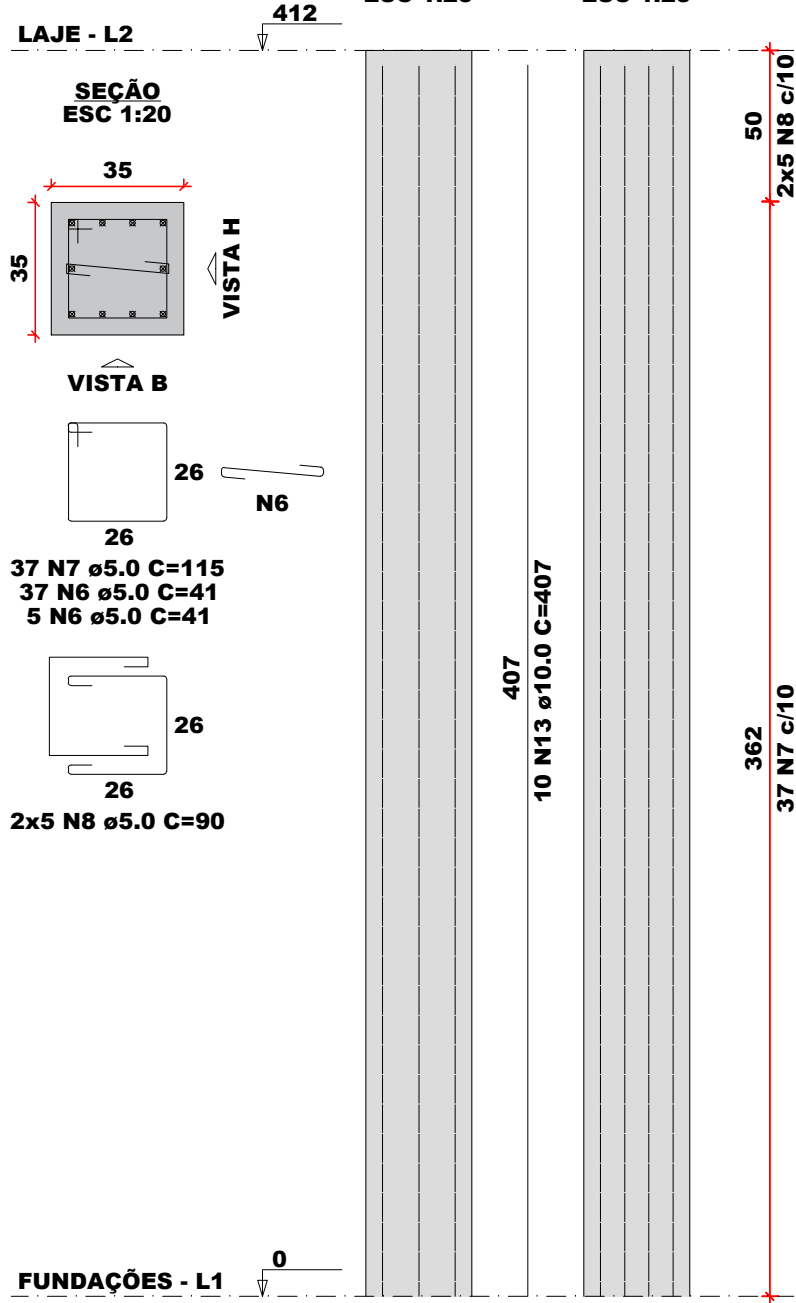


P35=P36

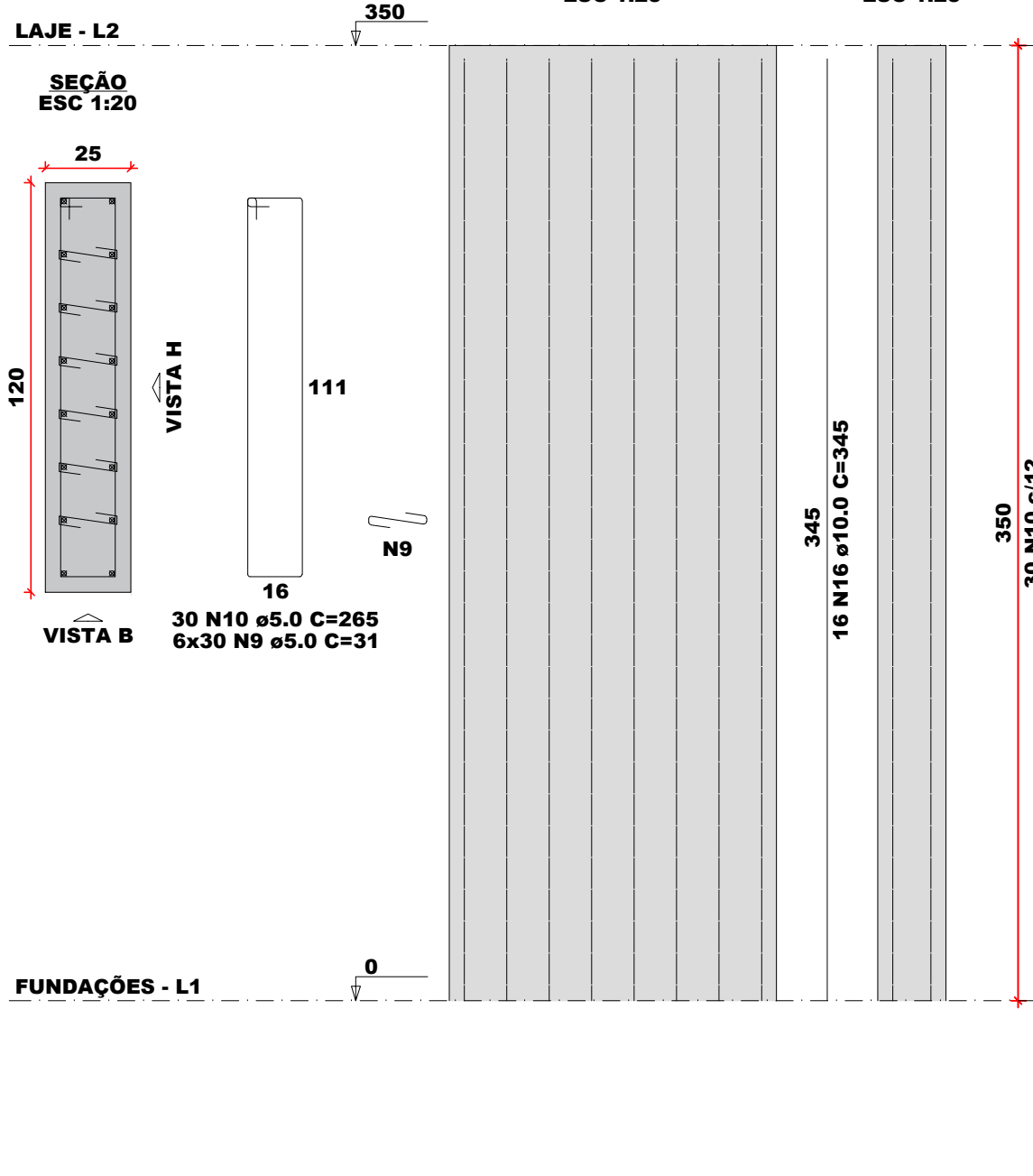


| RELAÇÃO DO AÇO | | | | | |
|--------------------------------------|--------------|---------------------|--------------------|---------------------|---------|
| 4xP22 2xP28 2xP41 P45 | | P26 2xP35 P42 | | P27 2xP37 P44 | |
| AÇO | N | DIAM (mm) | QUANT | C.UNIT (cm) | C.TOTAL |
| CA60 | 1 | 5.0 | 560 | 51 | 28560 |
| | 2 | 5.0 | 124 | 155 | 19220 |
| | 3 | 5.0 | 32 | 120 | 3840 |
| | 4 | 5.0 | 62 | 95 | 5890 |
| | 5 | 5.0 | 20 | 75 | 1500 |
| | 6 | 5.0 | 168 | 41 | 6888 |
| | 7 | 5.0 | 111 | 115 | 12765 |
| | 8 | 5.0 | 30 | 90 | 2700 |
| | 9 | 5.0 | 1215 | 31 | 37665 |
| | 10 | 5.0 | 212 | 265 | 56180 |
| | 11 | 5.0 | 16 | 155 | 2480 |
| CA50 | 12 | 10.0 | 48 | 450 | 21600 |
| | 13 | 10.0 | 102 | 407 | 41514 |
| | 14 | 10.0 | 32 | 228 | 7296 |
| | 15 | 10.0 | 32 | 285 | 9120 |
| | 16 | 10.0 | 32 | 345 | 11040 |
| RESUMO DO AÇO | | | | | |
| AÇO | DIAM (mm) | C.TOTAL (m) | PESO + 10% (kg) | | |
| CA50 | 10.0 | 905.7 | 614.2 | | |
| CA60 | 5.0 | 1776.9 | 301.3 | | |
| PESO TOTAL (kg) | | | | | |
| CA50 | 614.2 | | | | |
| CA60 | 301.3 | | | | |
| Volume de concreto (C-25) = 13.30 m³ | | | | | |
| Área de forma = 131.39 m² | | | | | |

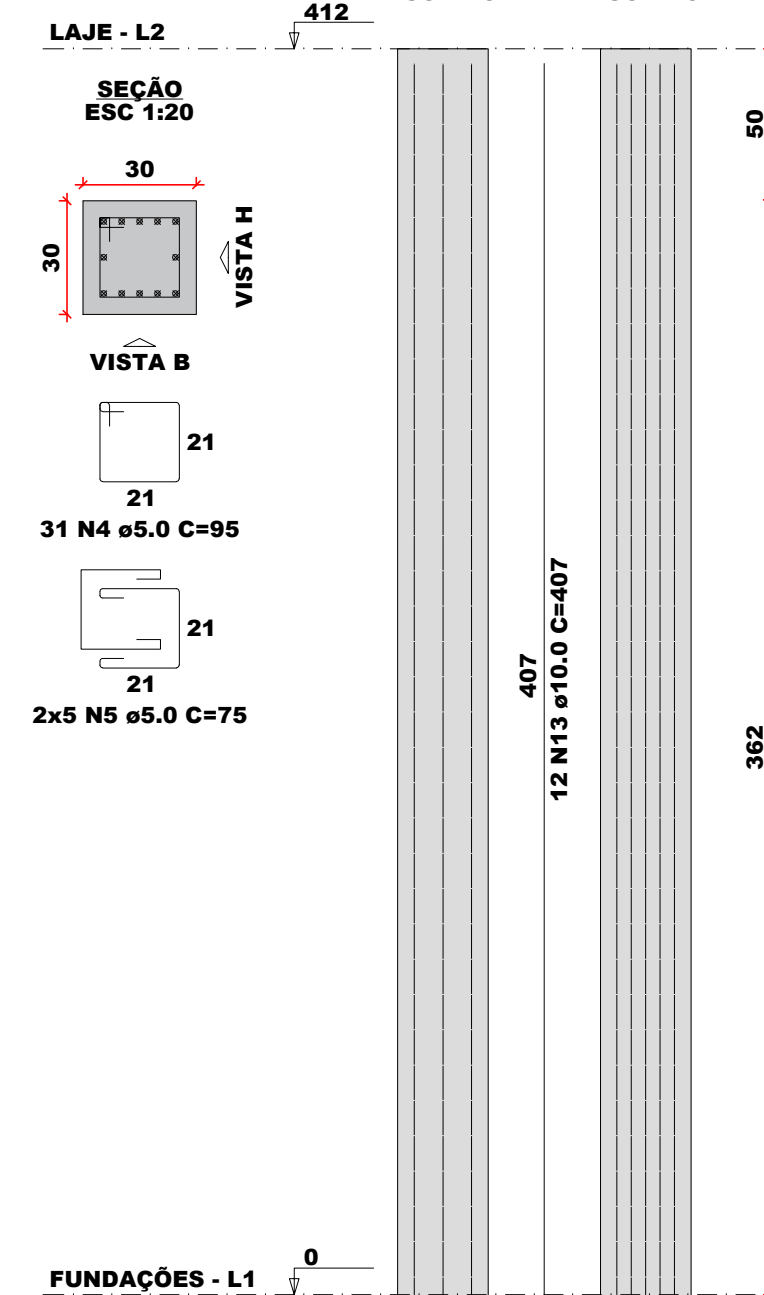
P37=P38



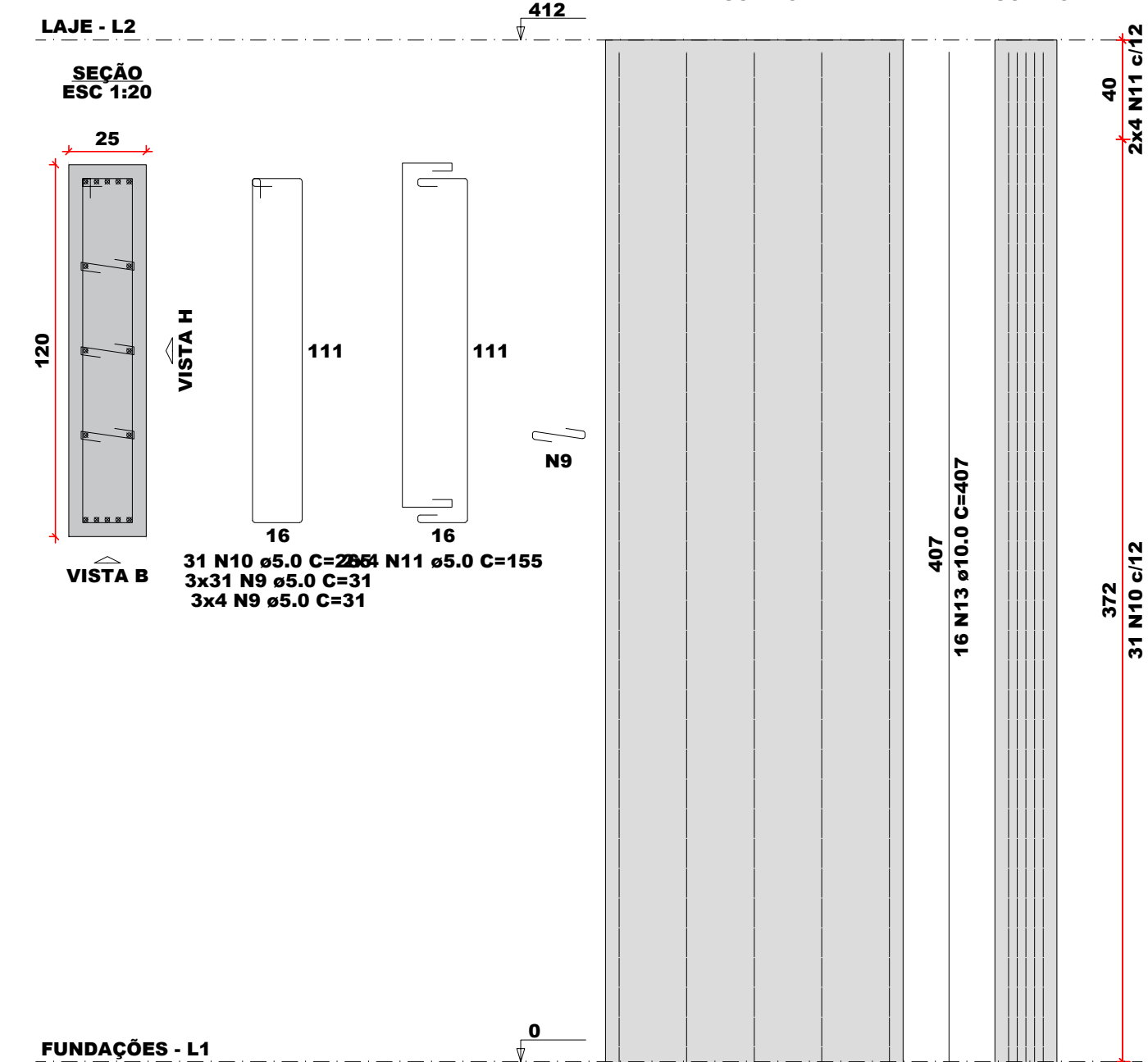
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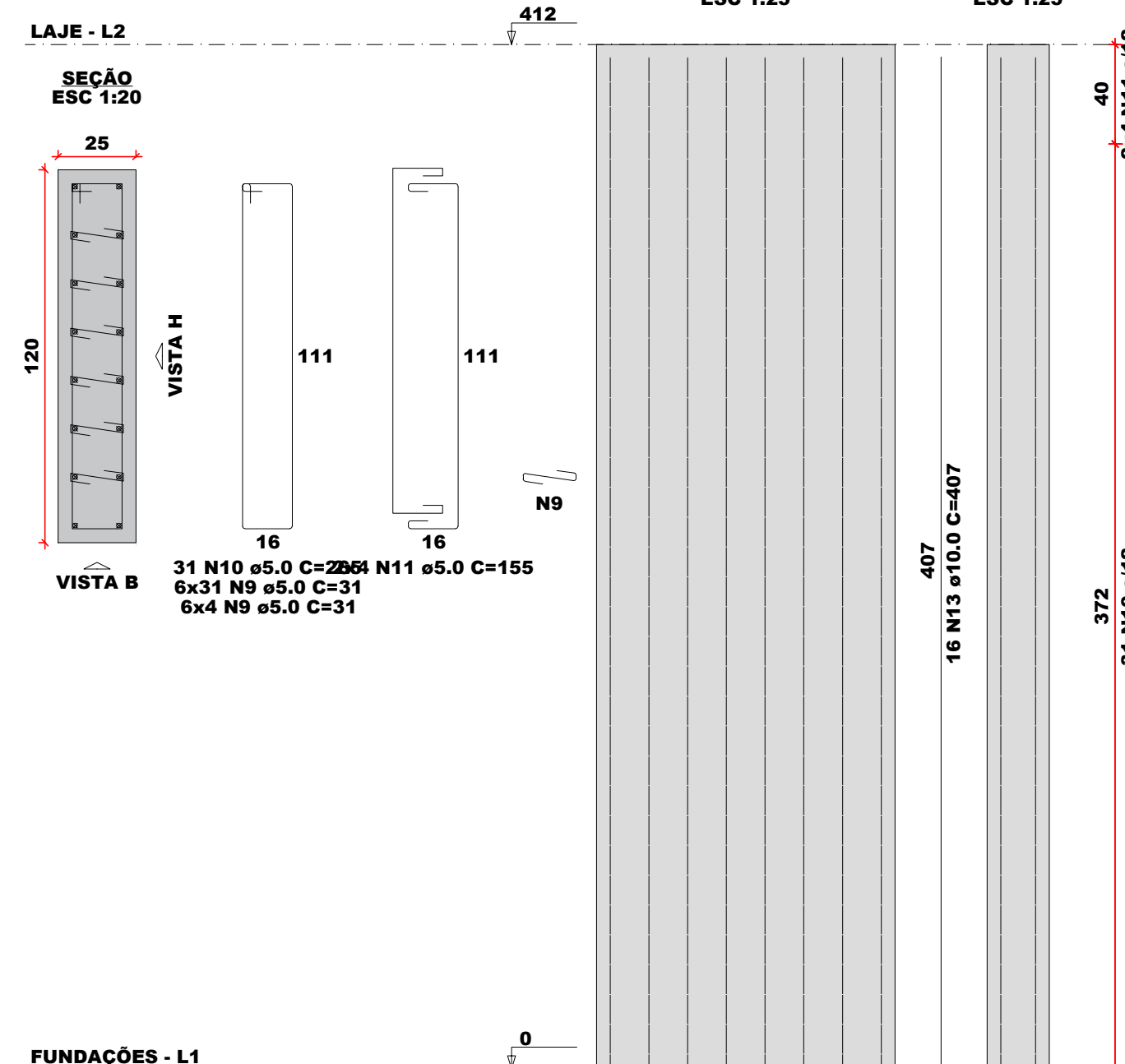
P42



P44



P45



PROJETO ESTRUTURAL PRAÇA DA FAMÍLIA

Endereço: ARAME-MA

Autor Projeto: Eng.º José Amilton Souza do Nascimento Júnior CREA/MA - 1122633386

CONTEÚDO: DET. ARMADRUAS DOS PILARES

Escala: Como Indicado

Data: 15/09/2025

FOLHA: 12/16