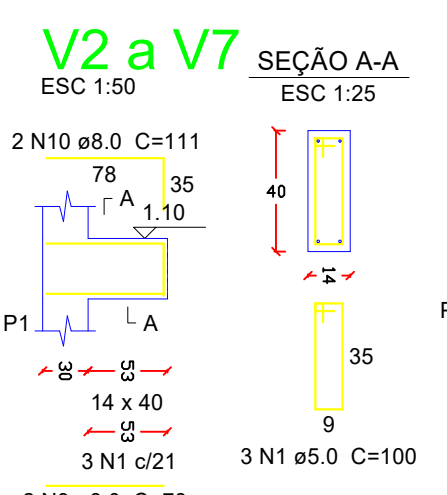
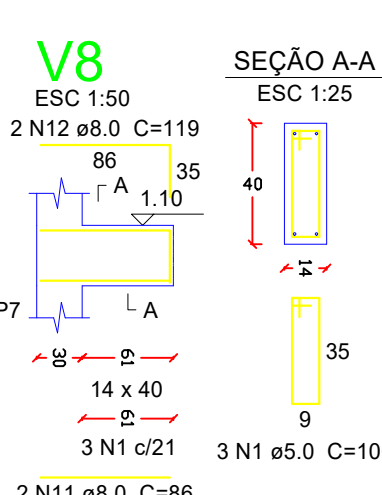
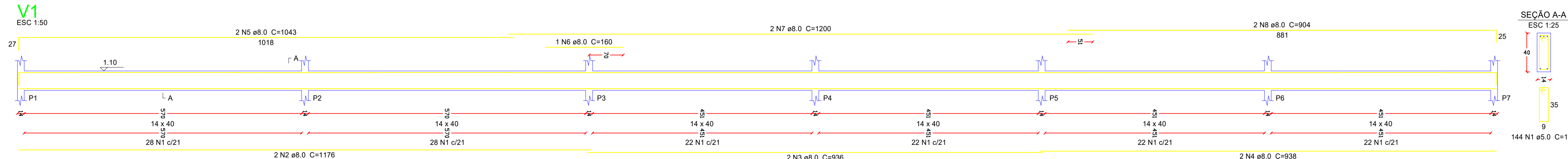
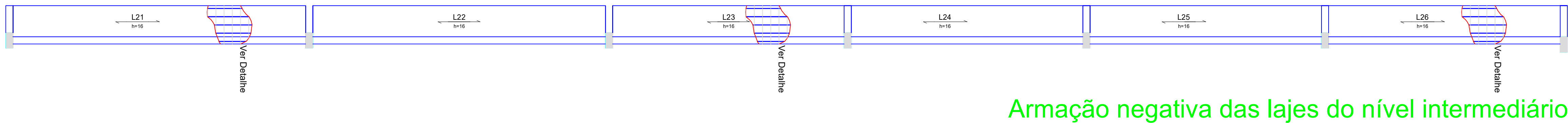
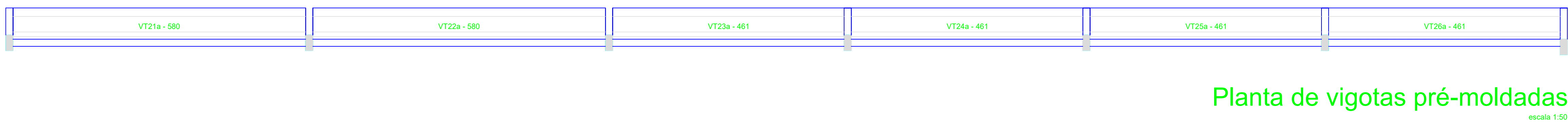
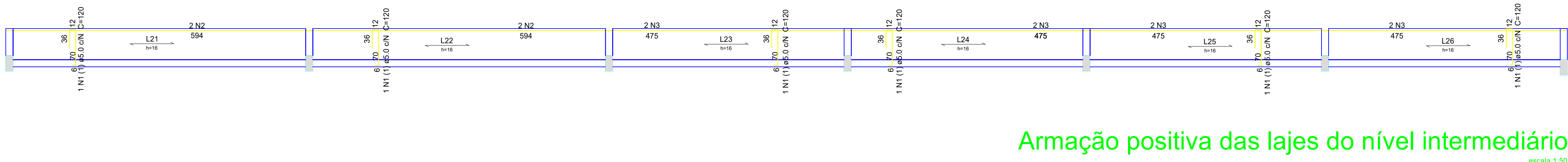
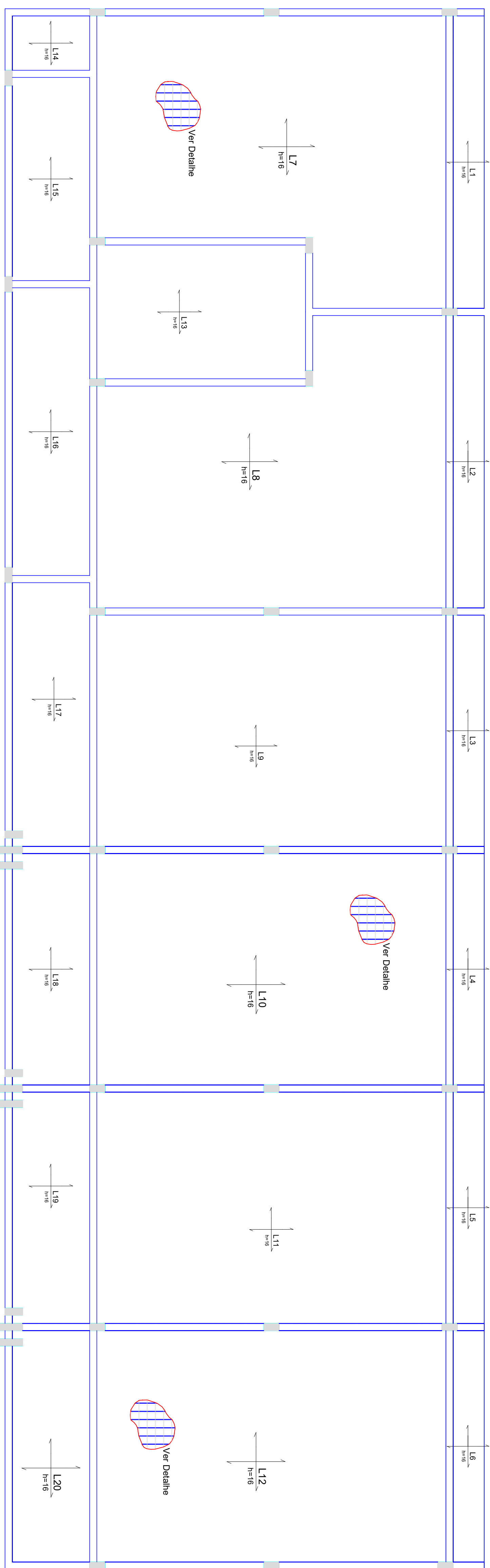
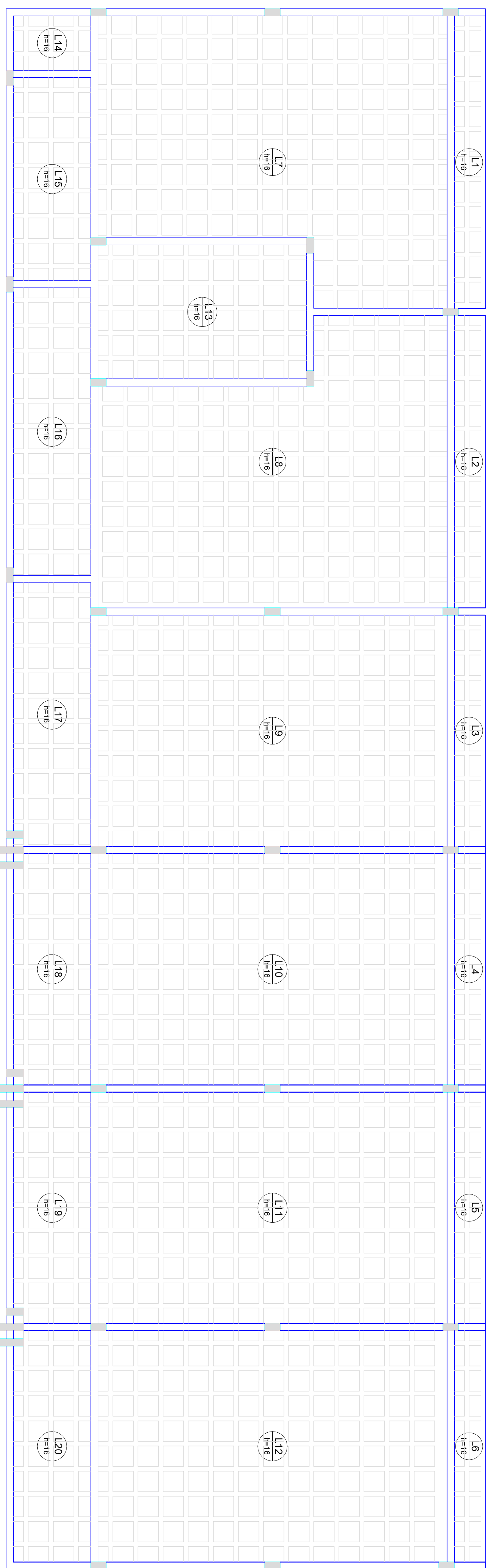
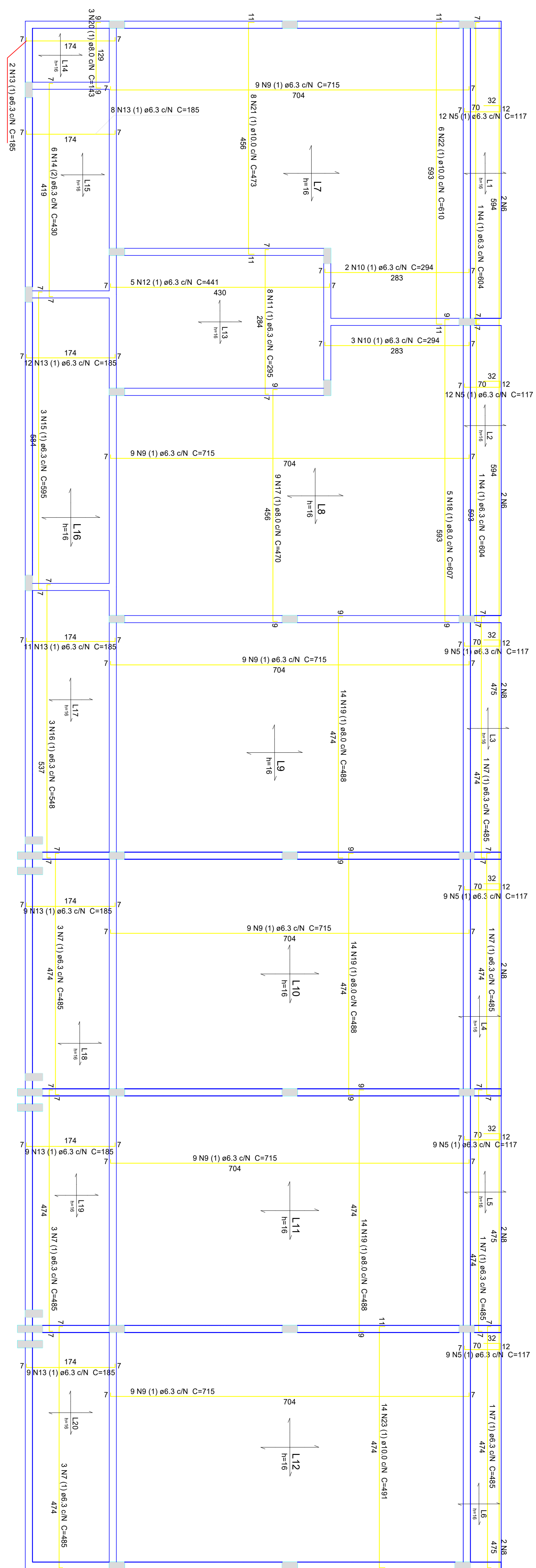
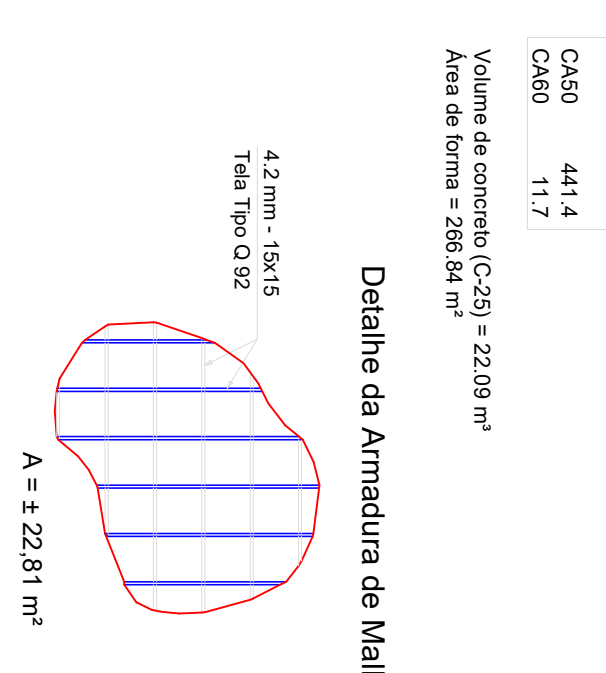




| Fórmula |      | Relatório do agro |      |      |         |
|---------|------|-------------------|------|------|---------|
| AO      | N    | DM                | QUMT | CUMT | C.TOTAL |
|         | (mm) |                   |      | (mm) |         |
| CMSO    | 1    | 5,0               | 4    | 594  | 2379    |
|         | 2    | 5,0               | 4    | 594  | 2379    |
|         | 3    | 5,0               | 4    | 594  | 2379    |
|         | 4    | 5,0               | 4    | 594  | 2379    |
| CMSO    | 5    | 6,3               | 60   | 117  | 7020    |
|         | 6    | 6,3               | 60   | 117  | 7020    |
|         | 7    | 6,3               | 13   | 486  | 6305    |
|         | 8    | 6,3               | 4    | 415  | 3800    |
|         | 9    | 6,3               | 56   | 4    | 3800    |
|         | 10   | 6,3               | 5    | 294  | 1470    |
|         | 11   | 6,3               | 5    | 294  | 1470    |
|         | 12   | 6,3               | 5    | 294  | 1470    |
|         | 13   | 6,3               | 60   | 146  | 11100   |
|         | 14   | 6,3               | 60   | 146  | 11100   |
|         | 15   | 6,3               | 3    | 546  | 1654    |
|         | 16   | 6,3               | 3    | 546  | 1654    |
|         | 17   | 6,3               | 3    | 546  | 1654    |
|         | 18   | 8,0               | 5    | 607  | 3005    |
|         | 19   | 8,0               | 5    | 607  | 3005    |
|         | 20   | 8,0               | 5    | 607  | 3005    |
|         | 21   | 10,0              | 8    | 473  | 3794    |
|         | 22   | 10,0              | 8    | 473  | 3794    |
|         | 23   | 10,0              | 14   | 491  | 6874    |

### Resumo do aço

| AÇO        | DIAM (mm) | C. TOTAL (m) | PESO + 10 % (kg) |
|------------|-----------|--------------|------------------|
| CA50       | 6,3       | 824,7        | 222              |
|            | 8,0       | 261,9        | 122,4            |
|            | 10,0      | 143,2        | 97,1             |
| CA60       | 5,0       | 69           | 11,7             |
| PESO TOTAL |           |              |                  |



| Relação do aço |    |              |       |              |                 |  |
|----------------|----|--------------|-------|--------------|-----------------|--|
| V1             |    |              | 6x/2  |              | VB              |  |
|                | N  | DIAM<br>(mm) | QUANT | CUMT<br>(cm) | C.TOTAL<br>(m³) |  |
| AÇO            | 1  | 8,0          | 105   | 840          | 0,00            |  |
| C600           | 2  | 8,0          | 2     | 1176         | 2352            |  |
| C450           | 3  | 8,0          | 2     | 936          | 1872            |  |
|                | 4  | 8,0          | 2     | 936          | 1876            |  |
|                | 5  | 8,0          | 2     | 1043         | 2086            |  |
|                | 6  | 8,0          | 2     | 1043         | 2090            |  |
|                | 7  | 8,0          | 2     | 1200         | 2400            |  |
|                | 8  | 8,0          | 2     | 904          | 1808            |  |
|                | 9  | 8,0          | 2     | 1176         | 2352            |  |
|                | 10 | 8,0          | 12    | 1176         | 1332            |  |
|                | 11 | 8,0          | 12    | 1176         | 1332            |  |
|                | 12 | 8,0          | 2     | 119          | 238             |  |

| Resumo do aço |      |          |             |  |
|---------------|------|----------|-------------|--|
| AÇO           | DIM  | C. TOTAL | PESO + 10 % |  |
| CA50          | (mm) | (m)      | (kg)        |  |
| CA50          | 8,0  | 152,4    | 66,1        |  |
| CA60          | 5,0  | 165      | 28          |  |
| PESO TOTAL    |      |          |             |  |
| (kg)          |      |          |             |  |
| CA50          | 66,1 |          |             |  |
| CA60          | 28   |          |             |  |

VOLUME de concreto (C-28) = 2,03 m³

Projeto: Estruturação acadêmica de acesso aos e NBR 6118/2014 (Projeto: estruturas de concreto – Posicionamento), NBR 4120/2008 (Cargas para o cálculo de estruturas de edifícios), NBR 6122/2010 (Projeto e execução de laje), NBR 6401/2004 (Lajes e separações nas estruturas – Posicionamento), NBR 6122/2003 (Cargas devidas ao vento em edifícios), e demais resultados relativos projeto estrutural, em conformidade com a NBR 14031/2004 e demais normas pertinentes da ABNT (Associação Brasileira de Normas Técnicas).

[illegible]