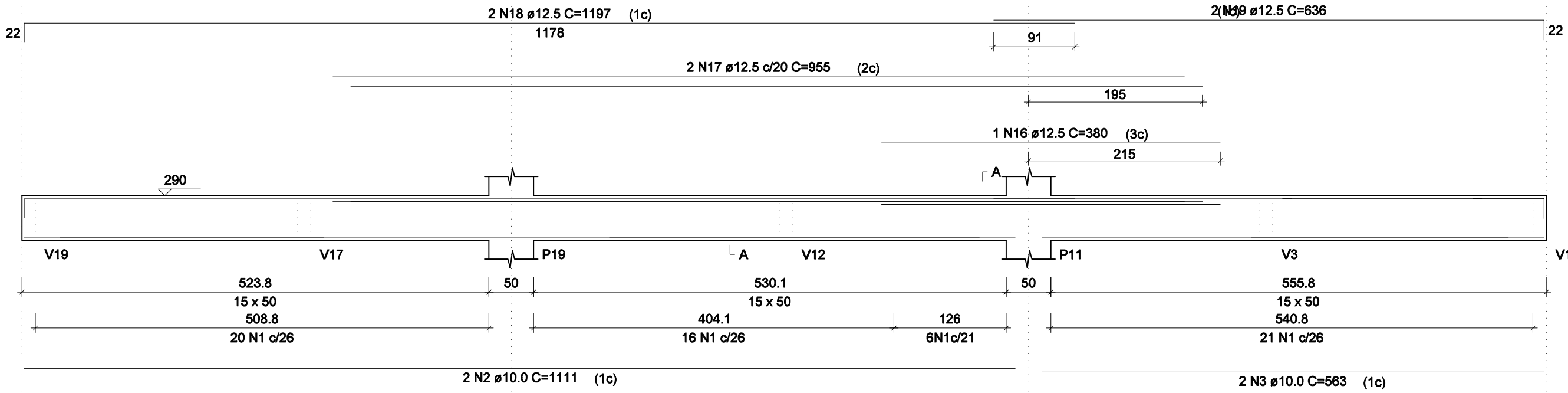


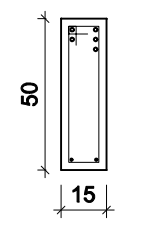
V22

ESC 1:50



SEÇÃO A-A

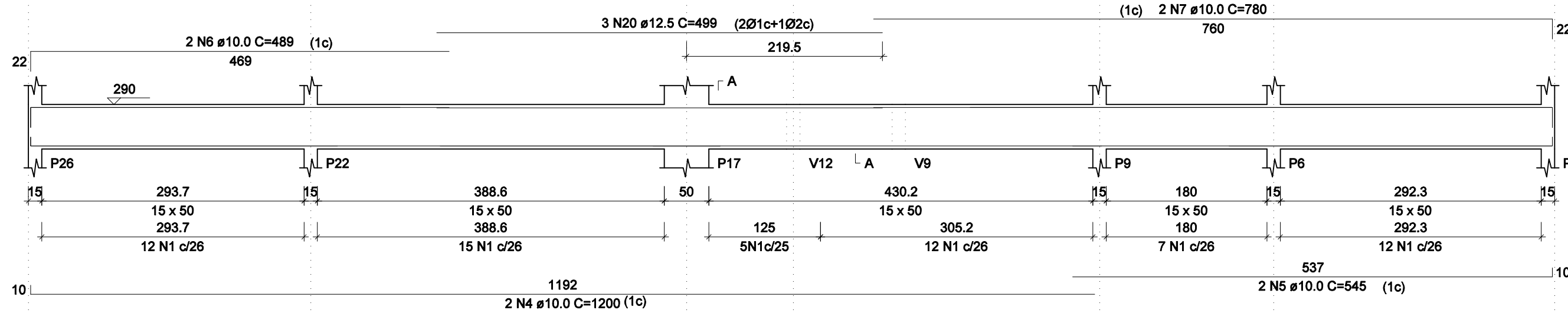
ESC 1:25



63 N1 ø5.0 C=121

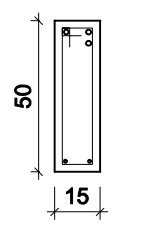
V23

ESC 1:50



SEÇÃO A-A

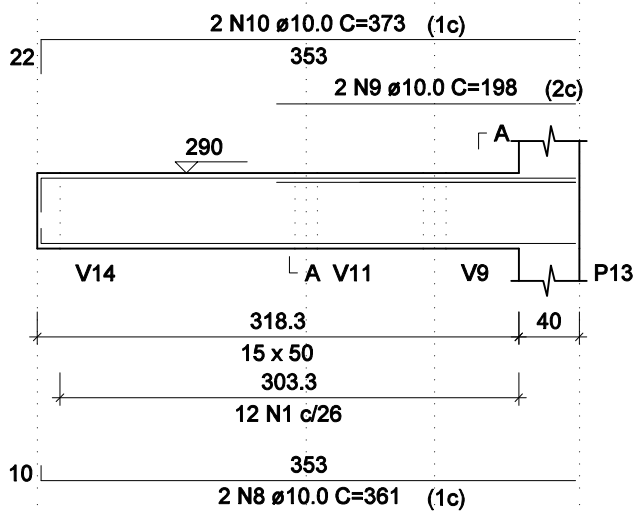
ESC 1:25



63 N1 ø5.0 C=121

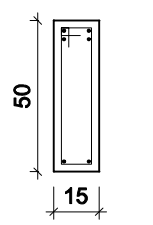
V24

ESC 1:50



SEÇÃO A-A

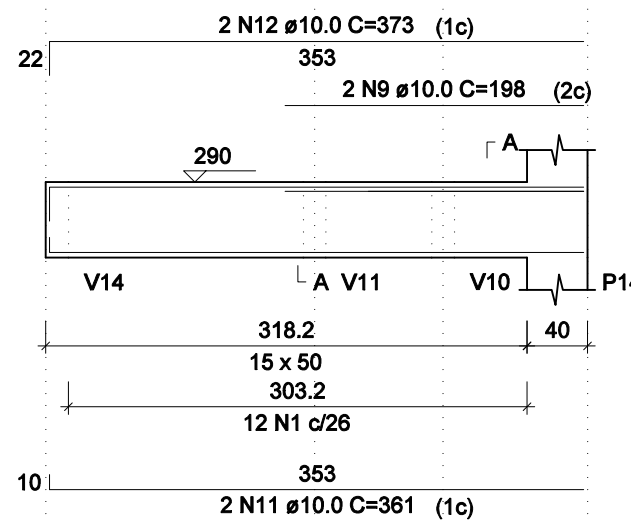
ESC 1:25



12 N1 ø5.0 C=121

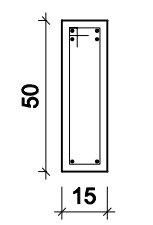
V25

ESC 1:50



SEÇÃO A-A

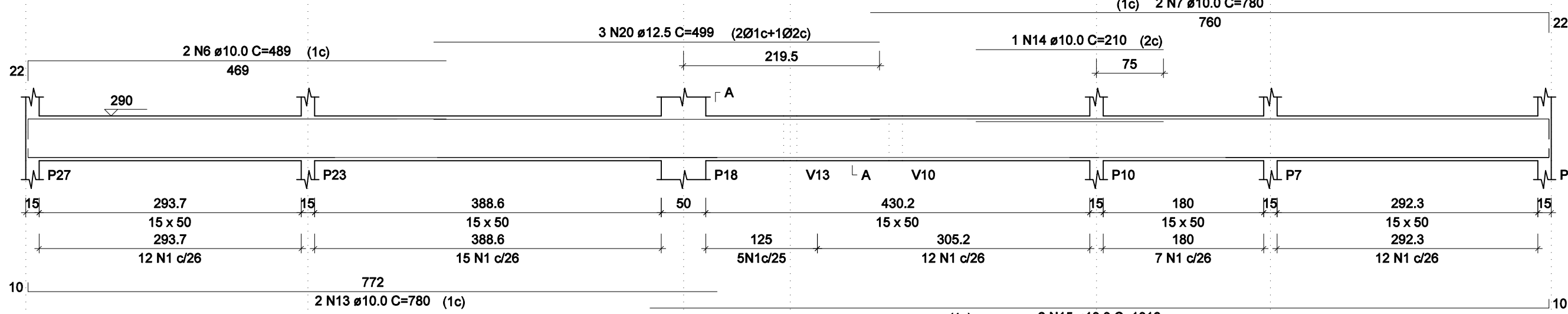
ESC 1:25



12 N1 ø5.0 C=121

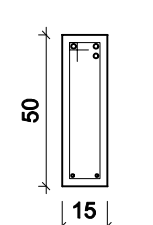
V26

ESC 1:50



SEÇÃO A-A

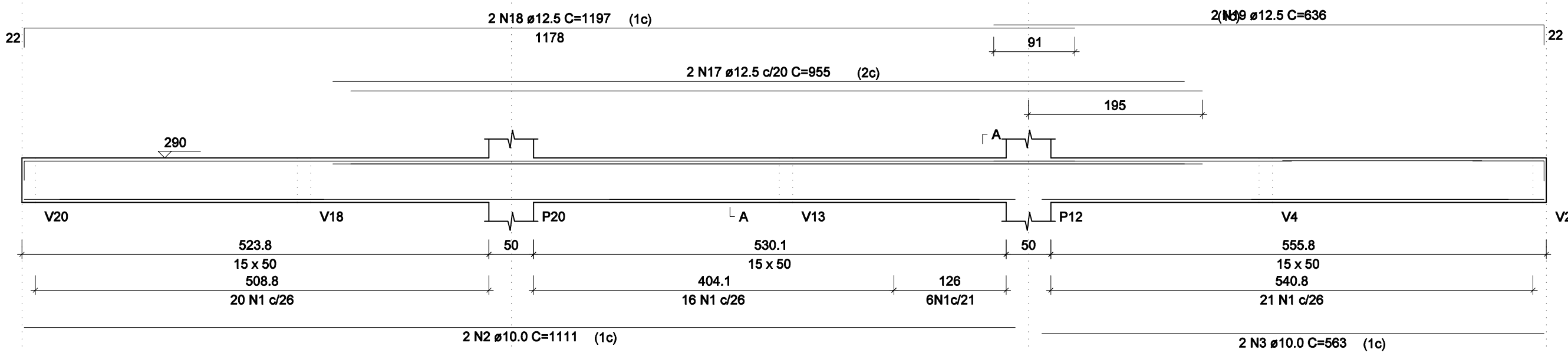
ESC 1:25



63 N1 ø5.0 C=121

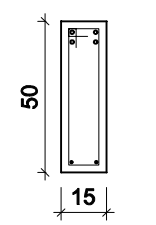
V27

ESC 1:50



SEÇÃO A-A

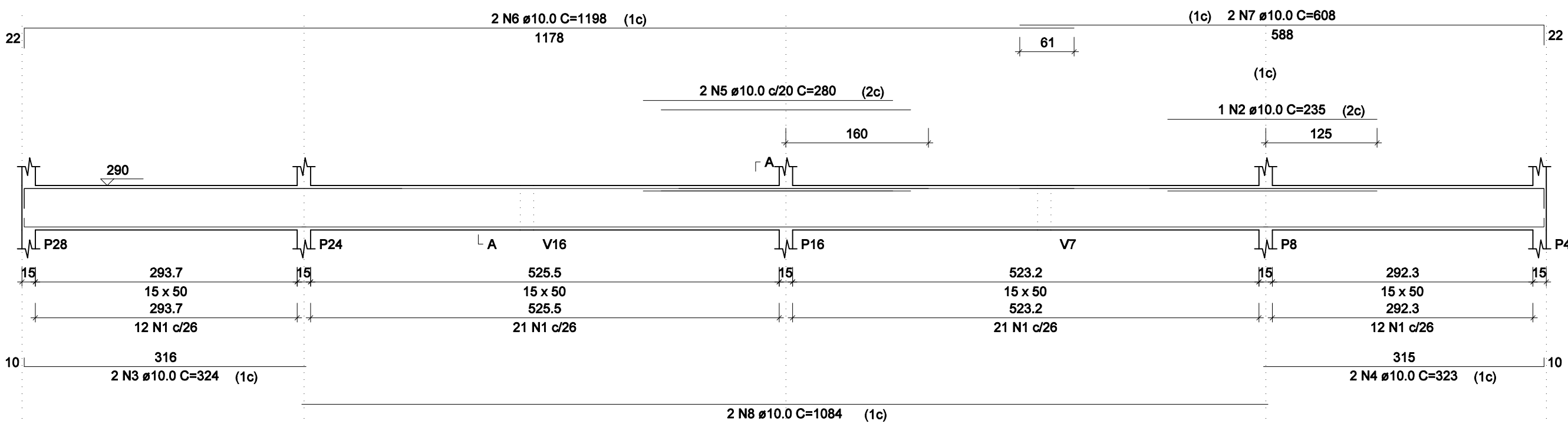
ESC 1:25



63 N1 ø5.0 C=121

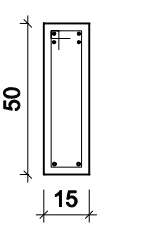
V28

ESC 1:50



SEÇÃO A-A

ESC 1:25



66 N1 ø5.0 C=121

RELAÇÃO DO AÇO

| AÇO  | N  | DIAM (mm) | QUANT | C.UNIT (cm) | C.TOTAL (cm) |
|------|----|-----------|-------|-------------|--------------|
| CA60 | 1  | 5.0       | 276   | 121         | 33396        |
| CA50 | 2  | 10.0      | 4     | 1111        | 4444         |
|      | 3  | 10.0      | 4     | 563         | 2252         |
|      | 4  | 10.0      | 2     | 1200        | 2400         |
|      | 5  | 10.0      | 2     | 545         | 1090         |
|      | 6  | 10.0      | 4     | 489         | 1956         |
|      | 7  | 10.0      | 4     | 780         | 3120         |
|      | 8  | 10.0      | 2     | 361         | 722          |
|      | 9  | 10.0      | 4     | 198         | 792          |
|      | 10 | 10.0      | 2     | 373         | 746          |
|      | 11 | 10.0      | 2     | 361         | 722          |
|      | 12 | 10.0      | 2     | 373         | 746          |
|      | 13 | 10.0      | 2     | 780         | 1560         |
|      | 14 | 10.0      | 1     | 210         | 210          |
|      | 15 | 10.0      | 2     | 1016        | 2032         |
|      | 16 | 12.5      | 1     | 380         | 380          |
|      | 17 | 12.5      | 4     | 955         | 3820         |
|      | 18 | 12.5      | 4     | 1197        | 4788         |
|      | 19 | 12.5      | 4     | 636         | 2544         |
|      | 20 | 12.5      | 6     | 499         | 2994         |

RESUMO DO AÇO

| AÇO             | DIAM (mm) | C.TOTAL (m) | PESO + 10% (kg) |
|-----------------|-----------|-------------|-----------------|
| CA50            | 10.0      | 227.9       | 154.6           |
| CA60            | 5.0       | 334         | 153.9           |
| PESO TOTAL (kg) |           |             |                 |
| CA50            |           | 308.5       |                 |
| CA60            |           | 56.6        |                 |

Volume de concreto (C-25) = 5.67 m³  
Área de forma = 86.89 m²

RELAÇÃO DO AÇO

| AÇO  | N | DIAM (mm) | QUANT | C.UNIT (cm) | C.TOTAL (cm) |
|------|---|-----------|-------|-------------|--------------|
| CA60 | 1 | 5.0       | 66    | 121         | 7986         |
| CA50 | 2 | 10.0      | 1     | 235         | 235          |
|      | 3 | 10.0      | 2     | 324         | 648          |
|      | 4 | 10.0      | 2     | 323         | 646          |
|      | 5 | 10.0      | 2     | 280         | 560          |
|      | 6 | 10.0      | 2     | 1198        | 2396         |
|      | 7 | 10.0      | 2     | 608         | 1216         |
|      | 8 | 10.0      | 2     | 1084        | 2168         |

RESUMO DO AÇO

| AÇO             | DIAM (mm) | C.TOTAL (m) | PESO + 10% (kg) |
|-----------------|-----------|-------------|-----------------|
| CA50            | 10.0      | 78.7        | 53.4            |
| CA60            | 5.0       | 79.9        | 13.5            |
| PESO TOTAL (kg) |           |             |                 |
| CA50            |           | 53.4        |                 |
| CA60            |           | 13.5        |                 |

Volume de concreto (C-25) = 1.28 m³  
Área de forma = 19.66 m²

|                                                                                                                |  |                                                     |              |
|----------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------|--------------|
| PROPRIETÁRIO :                                                                                                 |  | CNPJ                                                |              |
| PREFEITURA MUNICIPAL DE NOVA ERA                                                                               |  | 16.819.831/0001-20                                  |              |
| EMPRESA CONTRATADA :                                                                                           |  | CNPJ                                                |              |
| ALESSANDRO DRUMOND - Engenharia & Arquitetura                                                                  |  | 19.881.726/ 0001-20                                 |              |
| RESPONSÁVEL TÉCNICO :                                                                                          |  | CREA                                                |              |
| ALESSANDRO DRUMOND GUERRA DA SILVA                                                                             |  | Arquiteto e Urbanista - A82573-5                    |              |
| É DE RESPONSABILIDADE DO RT O ATENDIMENTO À LEGISLAÇÃO EM VIGOR, ESTANDO O MESMO SUJEITO ÀS PENALIDADES DA LEI |  |                                                     |              |
| PROJETO ESTRUTURAL CIVIL                                                                                       |  |                                                     |              |
| DETALHE                                                                                                        |  |                                                     |              |
| VIGAS 1a LAJE - 2                                                                                              |  |                                                     |              |
| USO                                                                                                            |  | DATA                                                | JANEIRO/2023 |
| RESIDENCIAL                                                                                                    |  |                                                     |              |
| TÍTULO                                                                                                         |  | APROVAÇÃO                                           | FOLHA        |
| ENDEREÇO                                                                                                       |  | RUA FAZENDA DA VARGEM, S/N , SANTANA - NOVA ERA/ MG | 16/20        |