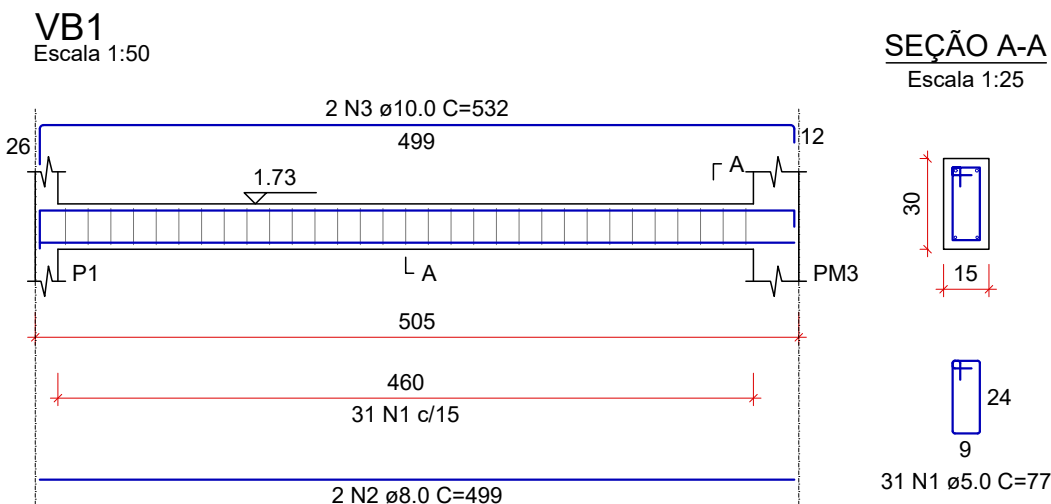
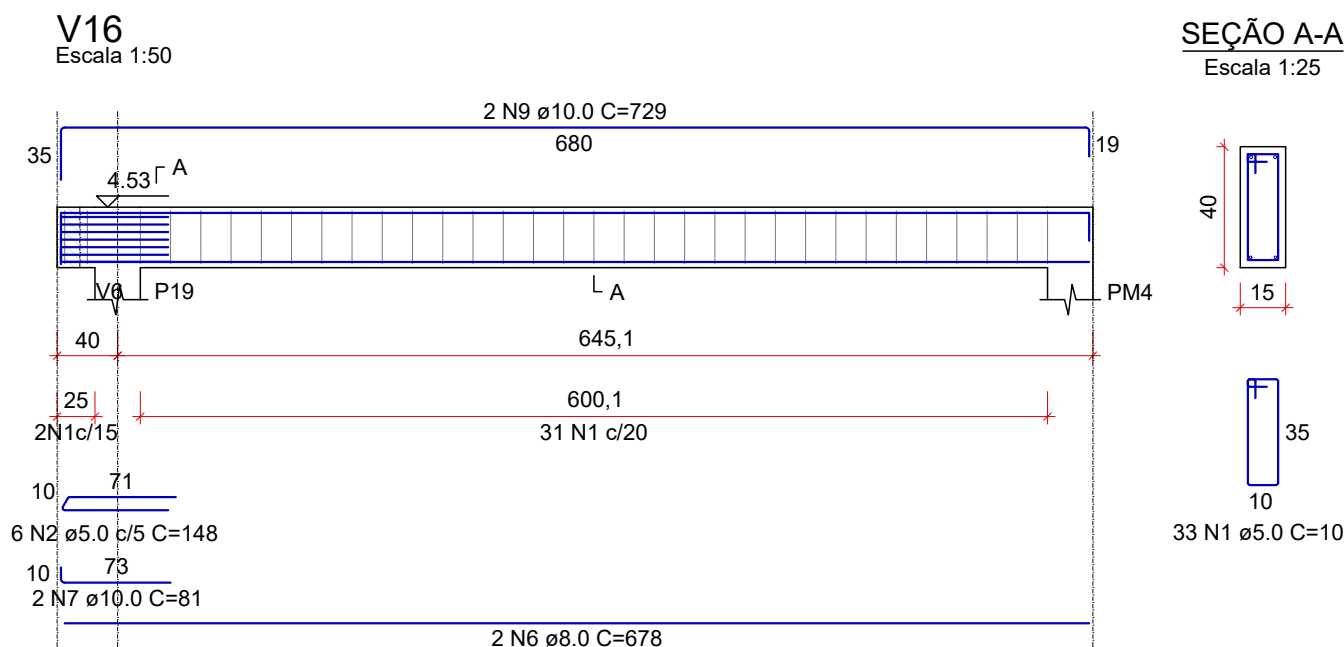
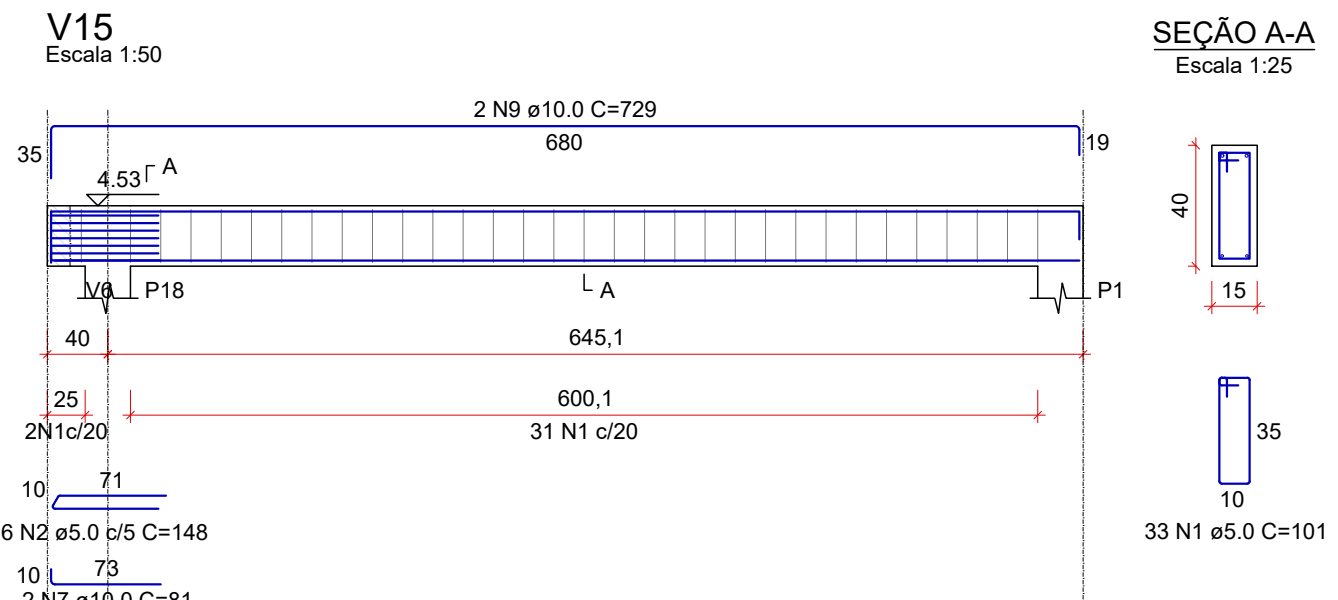
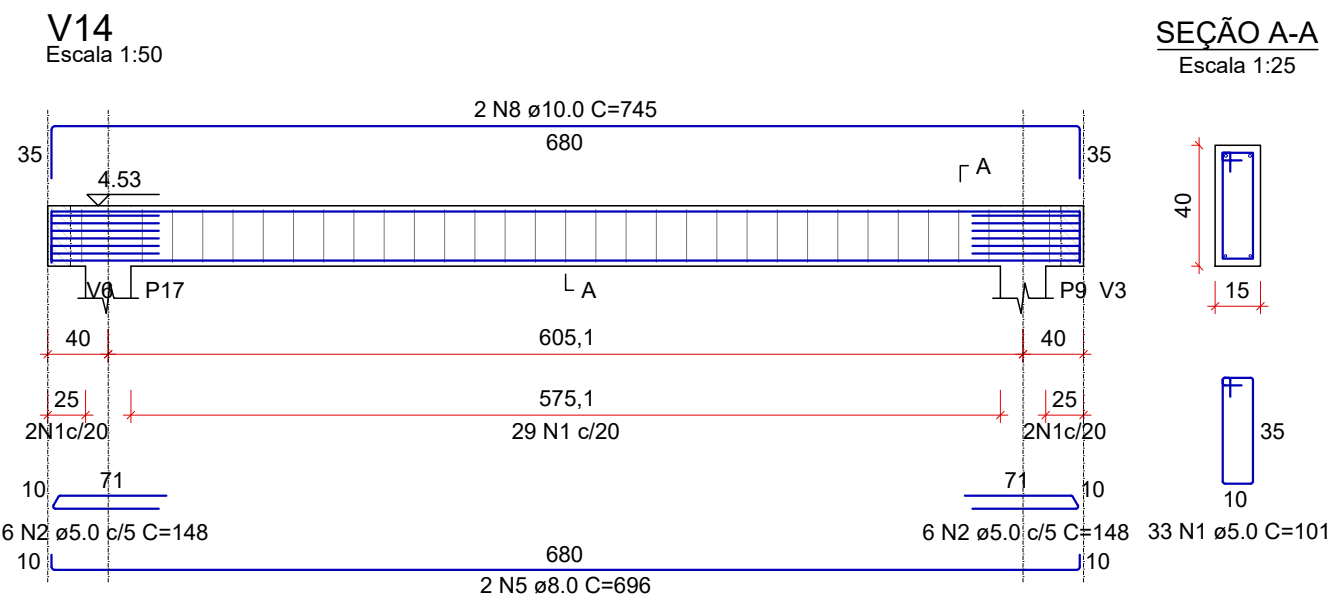
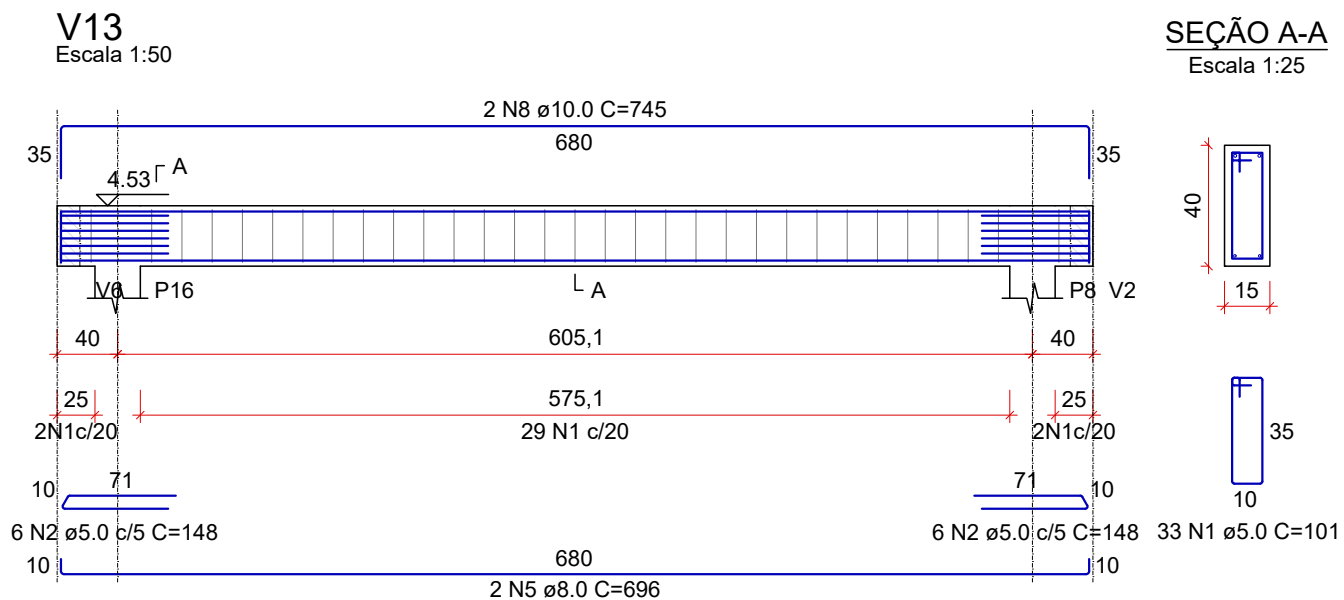
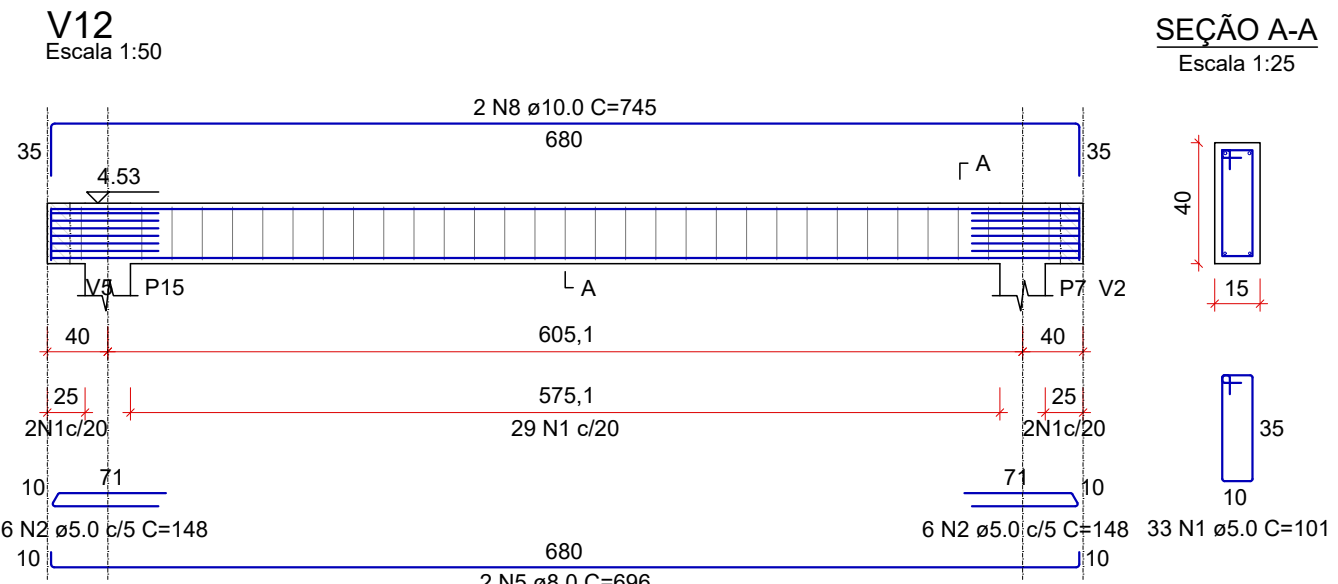
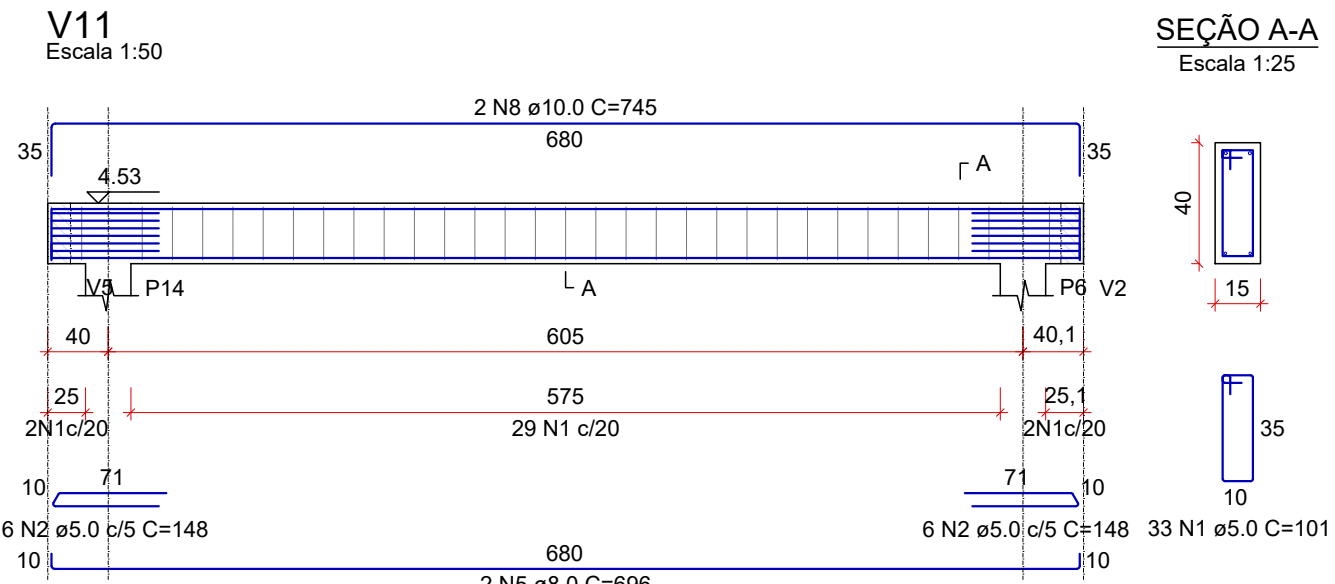
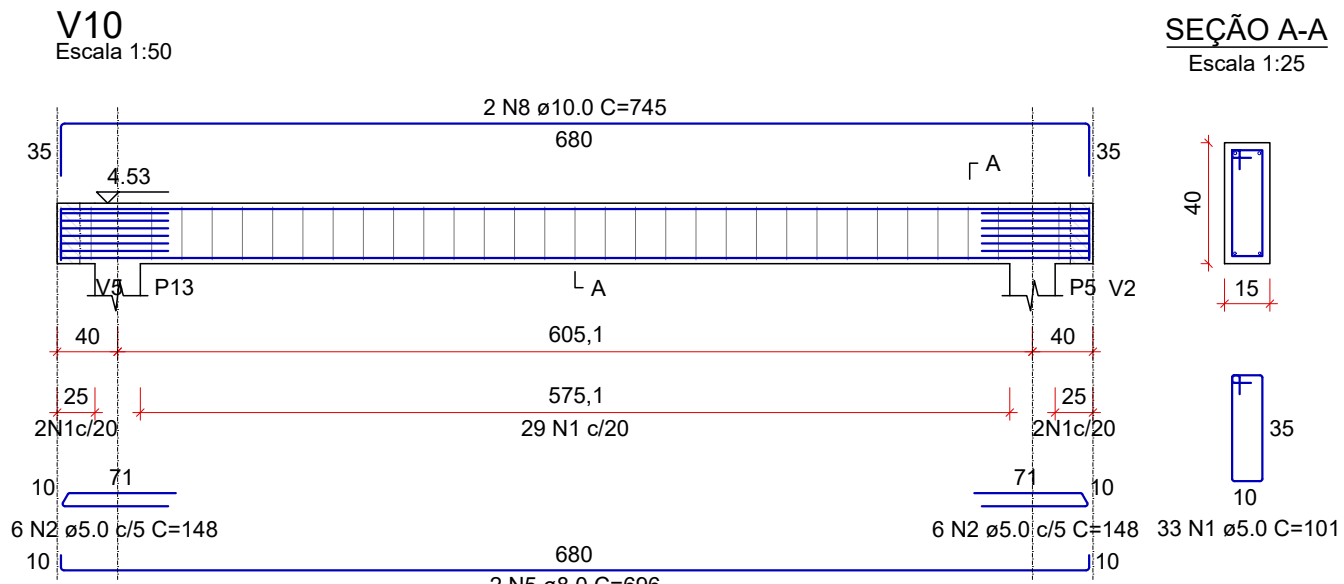
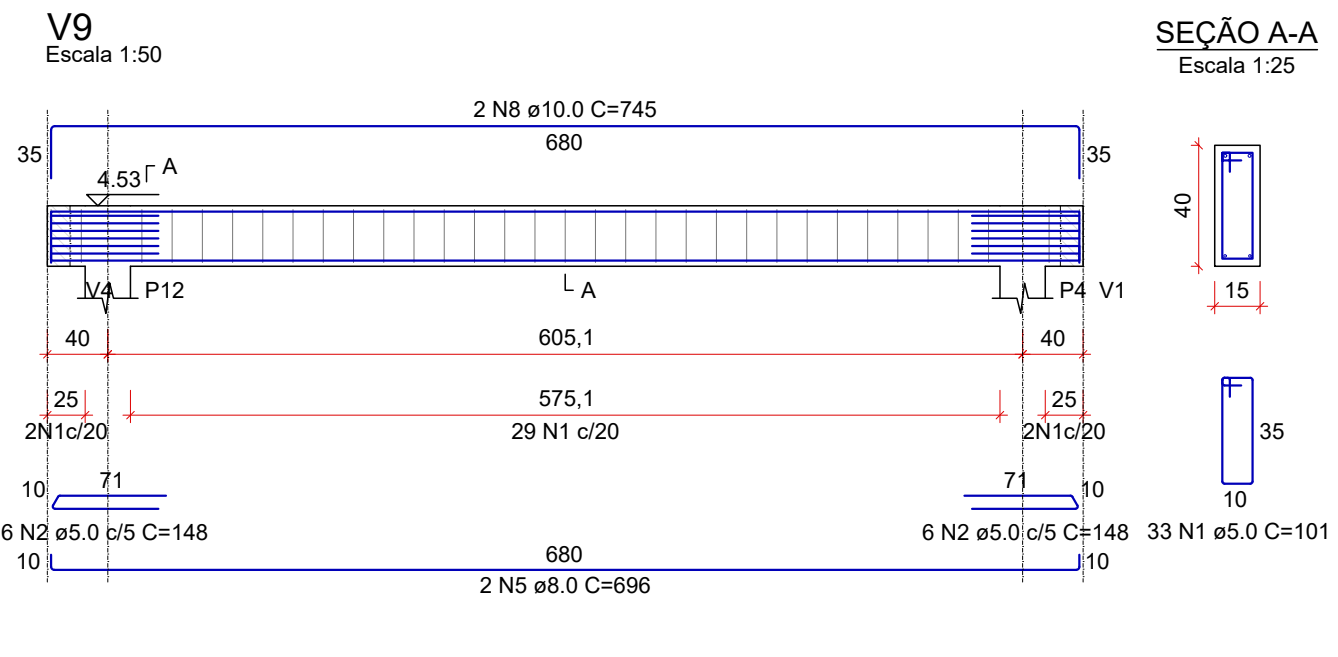
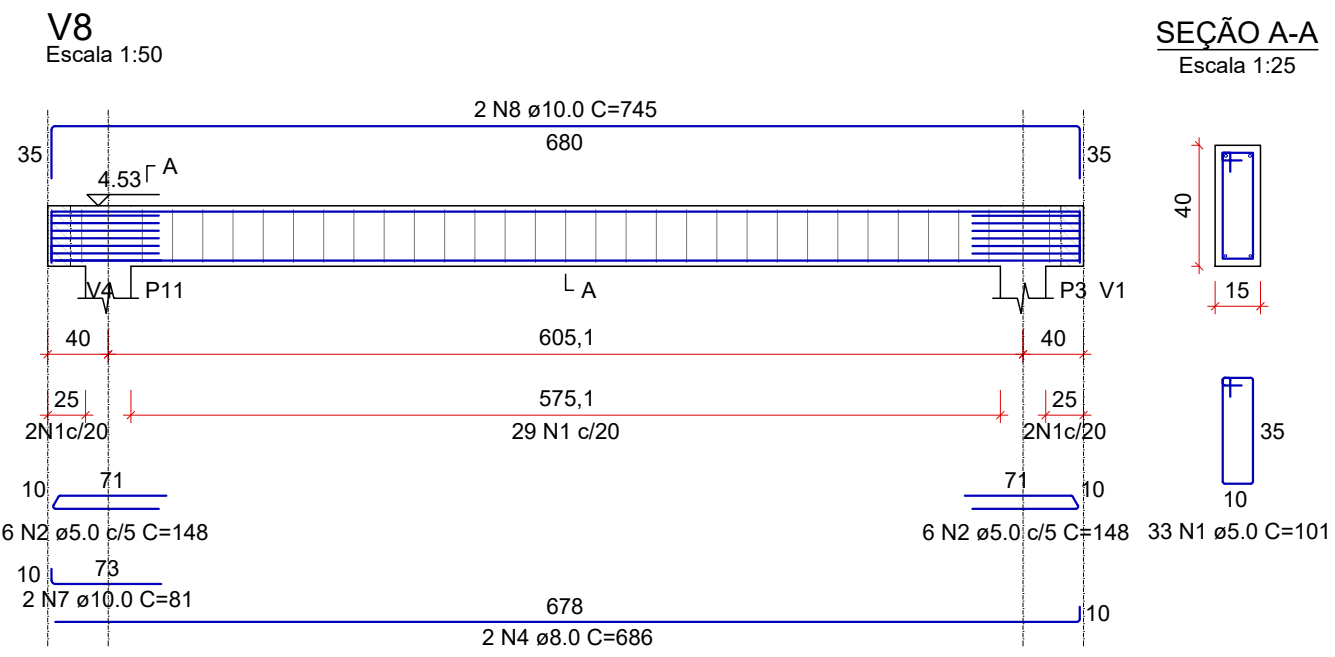
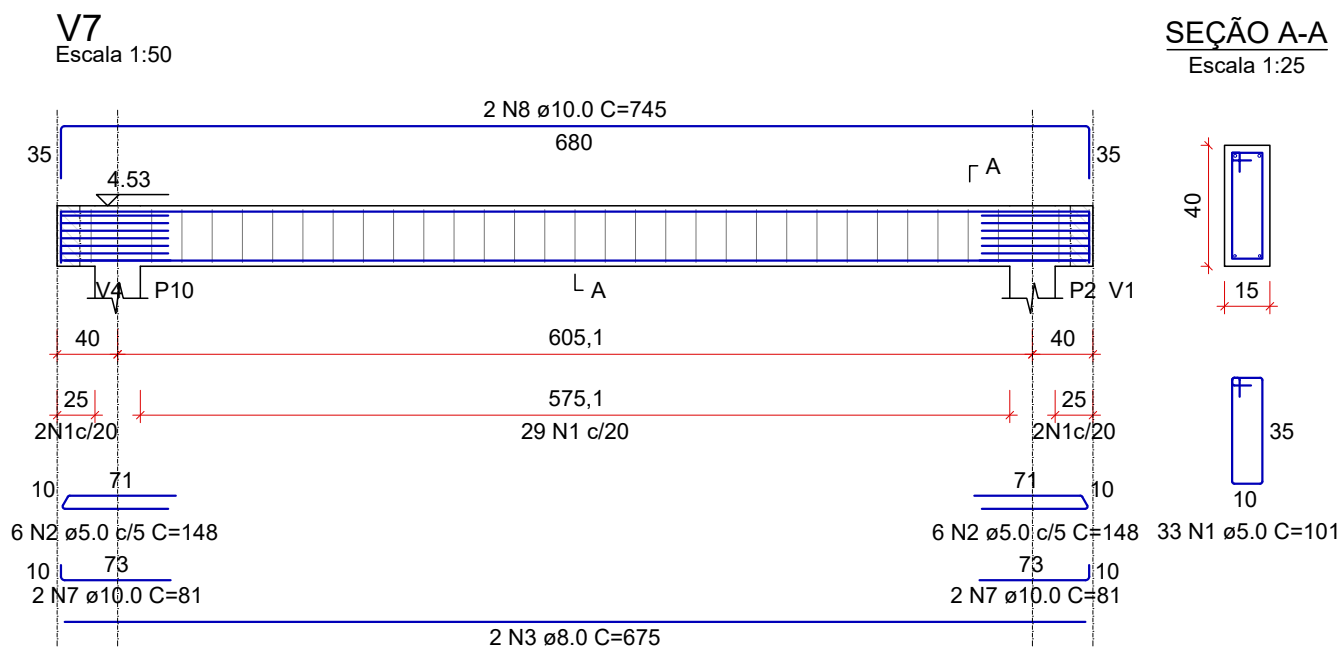




RELAÇÃO DO AÇO

| AÇO  | N | DIAM (mm) | QUANT | C.UNIT (cm) | C.TOTAL (cm) |
|------|---|-----------|-------|-------------|--------------|
| CA60 | 1 | 5.0       | 31    | 77          | 2387         |
| CA50 | 2 | 8.0       | 2     | 499         | 998          |
|      | 3 | 10.0      | 2     | 532         | 1064         |

RESUMO DO AÇO

| AÇO  | DIAM (mm) | C.TOTAL (m) | QUANT + 10% (Barras) | PESO + 10% (kg) |
|------|-----------|-------------|----------------------|-----------------|
| CA50 | 8.0       | 10          | 1                    | 4.3             |
| CA60 | 10.0      | 10.6        | 1                    | 7.2             |
|      | 5.0       | 23.9        | 3                    | 4               |

PESO TOTAL (kg)

|      |      |
|------|------|
| CA50 | 11.5 |
| CA60 | 4    |

Volume de concreto (C-30) = 0.21 m³  
Área de forma = 3.79 m²

VIGA BALDRAME (NÍVEL 1.73)  
ESCALA INDICADA

RELAÇÃO DO AÇO

| AÇO  | N | DIAM (mm) | QUANT | C.UNIT (cm) | C.TOTAL (cm) |
|------|---|-----------|-------|-------------|--------------|
| CA60 | 1 | 5.0       | 330   | 101         | 33330        |
| CA50 | 2 | 5.0       | 108   | 148         | 15884        |
|      | 3 | 8.0       | 2     | 675         | 1350         |
|      | 4 | 8.0       | 2     | 686         | 1372         |
|      | 5 | 8.0       | 12    | 696         | 8352         |
|      | 6 | 8.0       | 4     | 678         | 2712         |
|      | 7 | 10.0      | 10    | 81          | 810          |
|      | 8 | 10.0      | 16    | 745         | 11920        |
|      | 9 | 10.0      | 4     | 729         | 2916         |

RESUMO DO AÇO

| AÇO  | DIAM (mm) | C.TOTAL (m) | QUANT + 10% (Barras) | PESO + 10% (kg) |
|------|-----------|-------------|----------------------|-----------------|
| CA50 | 8.0       | 137.9       | 13                   | 59.8            |
| CA60 | 10.0      | 156.5       | 15                   | 106.1           |
|      | 5.0       | 493.1       | 46                   | 83.6            |

PESO TOTAL (kg)

|      |       |
|------|-------|
| CA50 | 165.9 |
| CA60 | 83.6  |

Volume de concreto (C-30) = 3.75 m³  
Área de forma = 65.08 m²

NOTAS:  
Cotas em centímetros;  
Níveis em metros.

|         |          |                |       |
|---------|----------|----------------|-------|
| REV. 00 | 08/08/22 | EMIÇÃO INICIAL | DAC   |
| REVISÃO | DATA     | DESCRIÇÃO      | RESP. |



|         |                                                                                                                                                                                                                                                 |                                                       |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|
| PROJETO | GERÊNCIA DE PROJETOS<br>PEDRO HENRIQUE JUSTINIANO<br>COORDENAÇÃO DE PROJETOS<br>ALOISIO CAETANO FERREIRA<br>RESPONSÁVEL TÉCNICO<br>ENGR. CIVIL FLAVIA C. BARBOSA<br>PROJETO<br>ENGR. CIVIL WILLIAM BARADEL LARI<br>DESENHO<br>DAVI VELOSO ALVES | ENG. CIVIL<br>CREA: MG-97.132/D<br>CREA: MG-187.842/D |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------|

|                |                                                                                                     |                 |                                   |
|----------------|-----------------------------------------------------------------------------------------------------|-----------------|-----------------------------------|
| EMPREENDIMENTO | REFORMA E AMPLIAÇÃO DA E.M. DR. JOSÉ RIBEIRO DE CARVALHO                                            | DISCIPLINA      | ESTRUTURAL                        |
| ENDEREÇO       | RUA DAS HORTÊNCIAS - B. CONJ. H. R. DAS MARGARIDAS<br>SANTA RITA DO SAPUCAÍ - MINAS GERAIS          | FASE DO PROJETO | EXECUTIVO                         |
| ASSUNTO        | PROJETO ESTRUTURAL<br>DETALHAMENTO DAS VIGAS - COBERTURA<br>DETALHAMENTO VIGA BALDRAME - NÍVEL 1.73 | FOLHA Nº.       | 08/08                             |
| DATA INICIAL   | 08/08/2022                                                                                          | ESCALA          | INDICADA                          |
| REVISÃO        | R00                                                                                                 | ARQUIVO         | DAC-PMSRS-JRC-FSIH-PE-EST-R00.DWG |