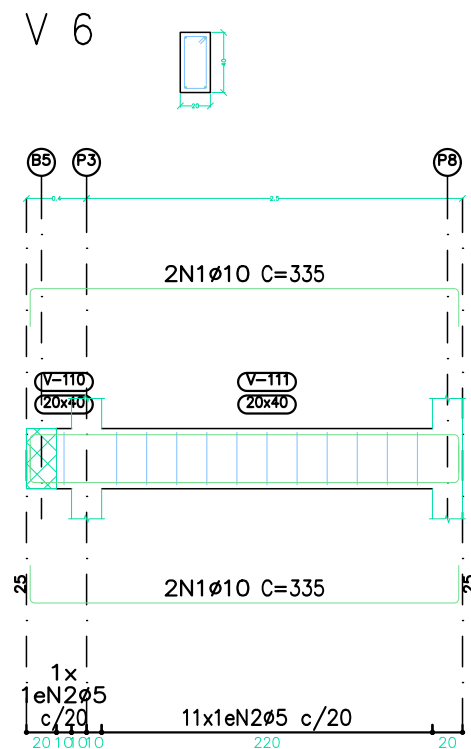
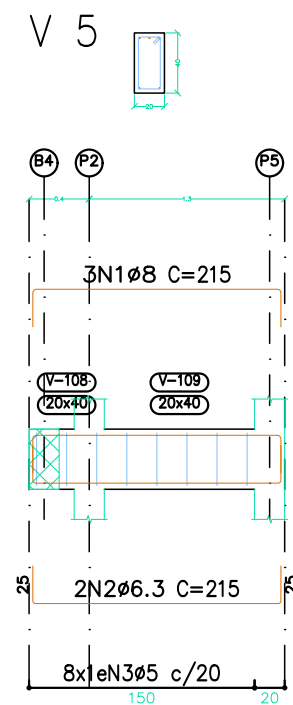
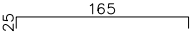
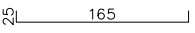
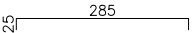
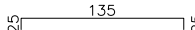
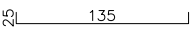


Térreo – baldrame  
Desenho de vigas  
Concreto: C20, em geral  
Aço das barras: CA-50 e CA-60  
Aço dos estribos: CA-50 e CA-60  
Escala vigas 1:50  
Escala seções 1:50  
Escala aberturas 1:50

| Elemento | Pos.       | Diam. | Q. | Esquema<br>(cm)                                                                     | Comp.<br>(cm) | Total<br>(cm) | CA-50<br>(kg) | CA-60<br>(kg) |
|----------|------------|-------|----|-------------------------------------------------------------------------------------|---------------|---------------|---------------|---------------|
| V 5      | 1          | ø8    | 3  |  | 215           | 645           | 2.5           |               |
|          | 2          | ø6.3  | 2  |  | 215           | 430           | 1.1           |               |
|          | 3          | ø5    | 8  |  | 108           | 864           |               | 1.4           |
|          | Total+10%: |       |    |                                                                                     |               |               | 4.0           | 1.5           |
| V 6      | 1          | ø10   | 4  |  | 335           | 1340          | 8.3           |               |
|          | 2          | ø5    | 12 |  | 108           | 1296          |               | 2.0           |
|          | Total+10%: |       |    |                                                                                     |               |               | 9.1           | 2.2           |
| V 7      | 1          | ø8    | 3  |  | 185           | 555           | 2.2           |               |
|          | 2          | ø6.3  | 2  |  | 185           | 370           | 0.9           |               |
|          | 3          | ø5    | 5  |  | 108           | 540           |               | 0.8           |
|          | Total+10%: |       |    |                                                                                     |               |               | 3.4           | 0.9           |
| ø5:      |            |       |    |                                                                                     |               |               | 0.0           | 4.6           |
| ø6.3:    |            |       |    |                                                                                     |               |               | 2.2           | 0.0           |
| ø8:      |            |       |    |                                                                                     |               |               | 5.2           | 0.0           |
| ø10:     |            |       |    |                                                                                     |               |               | 9.1           | 0.0           |
| Total:   |            |       |    |                                                                                     |               |               | 16.5          | 4.6           |

| Resumo Aço<br>Desenho de vigas |      | Comp. total<br>(m) | Peso+10%<br>(kg) | Total |
|--------------------------------|------|--------------------|------------------|-------|
| CA-50                          | Ø6.3 | 8.0                | 2                |       |
|                                | Ø8   | 12.0               | 5                |       |
|                                | Ø10  | 84.9               | 58               | 65    |
| CA-60                          | Ø5   | 106.9              | 18               | 18    |
| Total                          |      |                    |                  | 83    |

fck 25MPa

|                                                  |                                                            |                          |                 |
|--------------------------------------------------|------------------------------------------------------------|--------------------------|-----------------|
| PREFEITURA MUNICIPAL DE IBIRAIARAS               |                                                            |                          |                 |
| ESTADO DO RIO GRANDE DO SUL                      |                                                            |                          |                 |
| OBRA: Reformas gerais no prédio do PADU          | PRANCHA: Vigas V5 A V7- Baldrame (térreo)                  |                          |                 |
| LOCAL: Rua Frei Aleixo, Centro, Ibiraiaras.      |                                                            |                          |                 |
| PROPONENTE: DOUGLAS ROSSONI - PREFEITO MUNICIPAL | PROJETO: Eng.ª Civil PÂMELA H. CAPPELLARI - CREA RS 231775 | PROJETO ESTRUTURAL<br>10 |                 |
| ÁREA: 995,00 m²                                  | ESCALA: Indicada                                           |                          | DATA: Dez. 2023 |