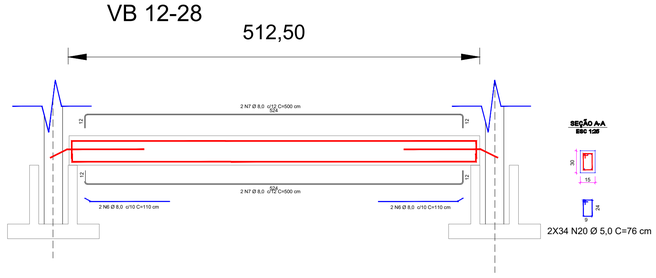
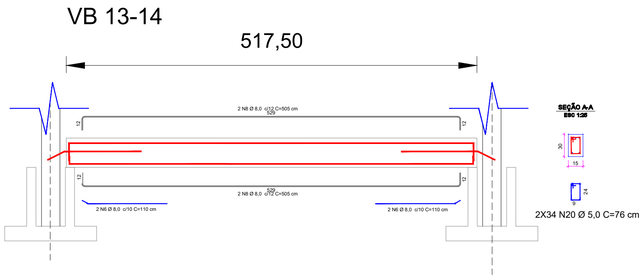
VB 12-28




VB 13-14

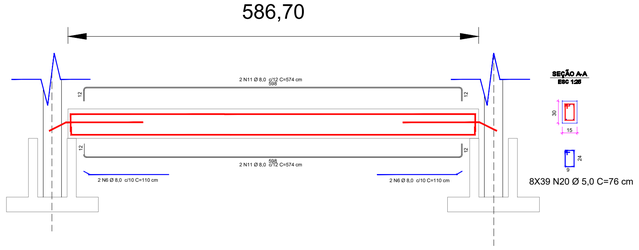



# RESUMO AÇO CA50

| Ø (mm) | COMPR. TOTAL(m) | PESO (Kg/m) | PESO (Kg) |
|---|---|---|---|
| 8 | 441,08 | 0,395 | 174,22 |
| | | | |
| | | | |
| | | TOTAL (kg) | 174,26 |

VB 29

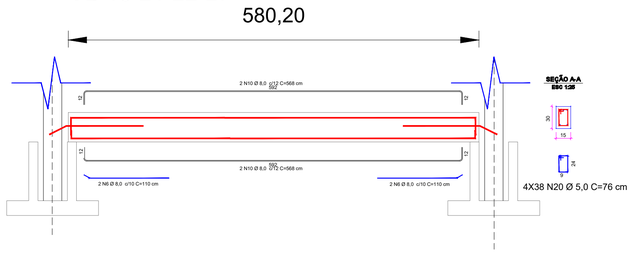
VB
17-18-19-20-23-24-25-26



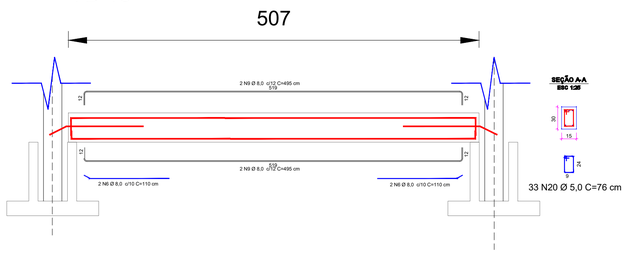

# RESUMO AÇO CA60

| Ø (mm) | COMPR. TOTAL(m) | PESO (Kg/m) | PESO (Kg) |
|---|---|---|---|
| 5,0 | 266,00 | 0,154 | 40,96 |
| | | | |
| | | | |
| | | TOTAL (kg) | 40,96 |

VB 16-21-22-27




VB 15




## LISTA DE FERROS

| N | Ø (mm) | QUANT. | COMPRIMENTOS UNIT.(cm) | COMPRIMENTOS TOTAL(m) |
|---|---|---|---|---|
| 6 | 8,0 | 24 | 1,10 | 26,40 |
| 7 | 8,0 | 8 | 5,24 | 41,92 |
| 8 | 8,0 | 8 | 5,29 | 42,32 |
| 9 | 8,0 | 4 | 5,19 | 20,76 |
| 10 | 8,0 | 16 | 5,92 | 94,72 |
| 11 | 8,0 | 32 | 5,98 | 191,36 |
| 12 | 8,0 | 4 | 5,90 | 23,60 |
| 20 | 5,0 | 671 | 0,76 | 509,96 |

## QUANTITATIVO VIGAS

| ITENS | UN | QTD |
|---|---|---|
| AÇO Ø5,0mm (CA 60) | KG | 40,96 |
| AÇO Ø8,0mm (CA 50) | KG | 137,83 |
| CONCRETO USINADO FCK 25 MPa | M³ | 2,38 |

Matricula Terreno nº

ART nº _____

Responsável Tecnico

ELIO CARLOS HAMM:04001582996

Assinado de forma digital por ELIO CARLOS HAMM:04001582996
Dados: 2026.04.10 08:27:05 -03'00'

ELIO CARLOS HAMM
ENGENHEIRO CIVIL
Crea/SC-148384-3

Proprietário

Pref. M. de Leoberto leal
C.P.F :. 82.924.390/0001-50

Proprietário:
Pref. Municipal de Leoberto Leal
C.N.PJ: nº 82.924.390/0001-50

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Projeto

ENGENHEIRO CIVIL
Crea/SC-148384-3

# PROJETO ESTRUTURAL

Local: ESTRADA GERAL ALTO VARGEDO MUNICIPIO DE LEOBERTO LEAL SC

Uso
PÚBLICO

Referência: QUADRA DE FUTEBOL SOCIETY COBERTA
VIGAS BALDRAME QUADRA E DETALHES

Área
814,00 m²

Data
ABRIL/2026

Escala
INDICADA

Desenho
SILVIO LUDERS

MATERIAL

Prancha
ES-04/04
FORMATO A-01