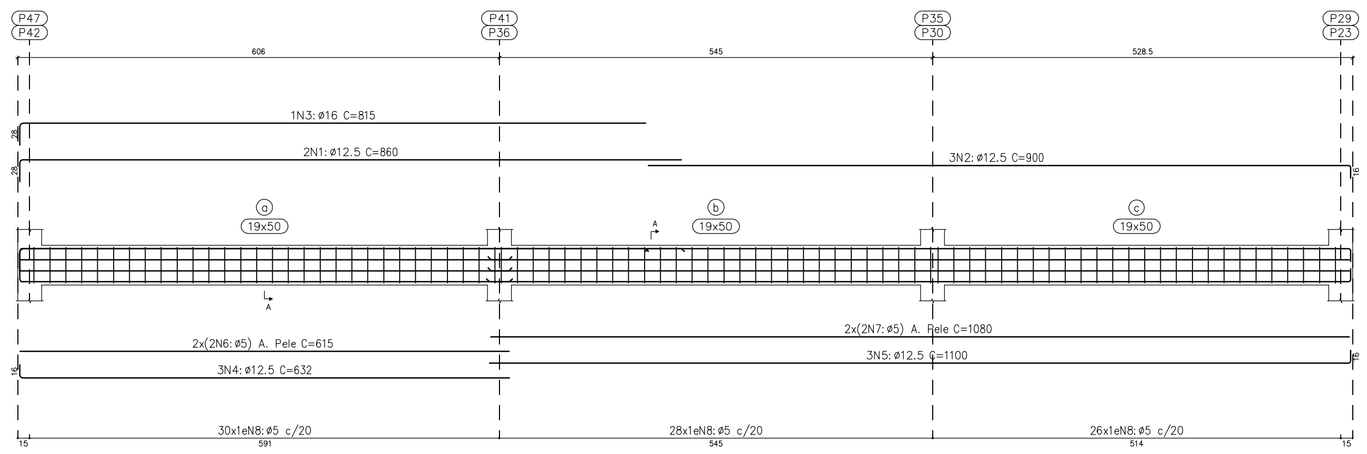
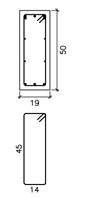
## V 1=V 13
Escala vigas 1:50
Escala seções 1:25

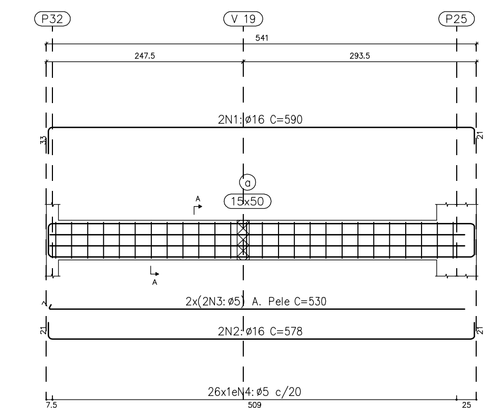



Seção A

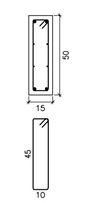



N8:
84N8: ø5 C=126

## V 6
Escala vigas 1:50
Escala seções 1:25

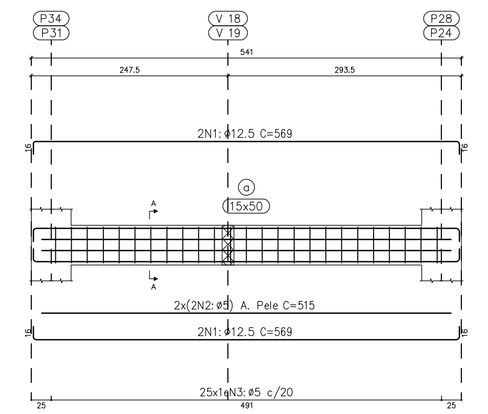



Seção A

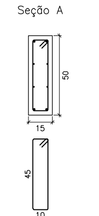



N4:
26N4: ø5 C=118

## V 3=V 12
Escala vigas 1:50
Escala seções 1:25



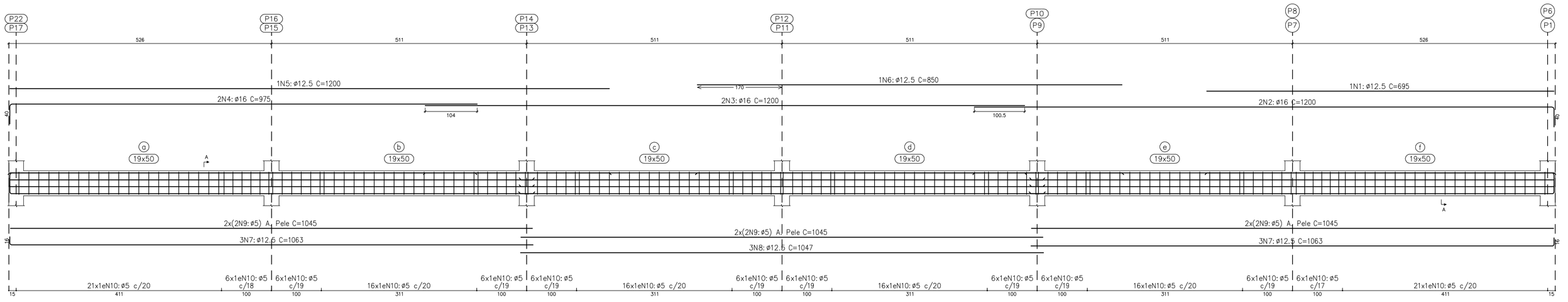

Seção A



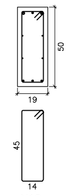

N3:
25N3: ø5 C=118

| Elemento | Pos. | Diam. | Q. | Dob. (cm) | Reta (cm) | Dob. (cm) | Comp. (cm) | Total (cm) | CA-50 (kg) | CA-60 (kg) |
|---|---|---|---|---|---|---|---|---|---|---|
| V 1=V 13 | 1 | ø12.5 | 2 | 27.6 | 832.4 | | 860 | 1720 | 16.6 | |
| | 2 | ø12.5 | 3 | | 883.6 | 16.4 | 900 | 2700 | 26.0 | |
| | 3 | ø16 | 1 | 27.6 | 787.4 | | 815 | 815 | 12.9 | |
| | 4 | ø12.5 | 3 | 16.3 | 616 | | 632 | 1896 | 18.3 | |
| | 5 | ø12.5 | 3 | | 1083.5 | 16.3 | 1100 | 3300 | 31.8 | |
| | 6 | ø5 | 4 | | 615 | | 615 | 2460 | | 3.9 |
| | 7 | ø5 | 4 | | 1080 | | 1080 | 4320 | | 6.8 |
| | 8 | ø5 | 84 | 5 | 116 | 5 | 126 | 10584 | | 16.6 |
| | | | | | | | Total+10% | | 116.2 | 30.0 |
| | | | | | | | (x2) | | 232.4 | 60.0 |
| V 2=V 14 | 1 | ø12.5 | 1 | | 695 | | 695 | 695 | 6.7 | |
| | 2 | ø16 | 2 | | 160.3 | 39.7 | 1200 | 2400 | 37.9 | |
| | 3 | ø16 | 2 | | 1200 | | 1200 | 2400 | 37.9 | |
| | 4 | ø16 | 2 | 39.8 | 935.2 | | 975 | 1950 | 30.8 | |
| | 5 | ø12.5 | 1 | | 1200 | | 1200 | 1200 | 11.6 | |
| | 6 | ø12.5 | 1 | | 850 | | 850 | 850 | 8.2 | |
| | 7 | ø12.5 | 6 | 16.3 | 1043 | | 1067 | 6378 | 61.4 | |
| | 8 | ø12.5 | 3 | | 1047 | | 1047 | 3141 | 30.3 | |
| | 9 | ø5 | 12 | | 1045 | | 1045 | 12540 | | 19.7 |
| | 10 | ø5 | 166 | 5 | 116 | 5 | 126 | 20916 | | 32.8 |
| | | | | | | | Total+10% | | 247.3 | 57.8 |
| | | | | | | | (x2) | | 494.6 | 115.6 |
| V 3=V 12 | 1 | ø12.5 | 4 | 16.3 | 536 | 16.3 | 569 | 2276 | 21.9 | |
| | 2 | ø5 | 4 | | 515 | | 515 | 2060 | | 3.2 |
| | 3 | ø5 | 25 | 5 | 108 | 5 | 118 | 2950 | | 4.6 |
| | | | | | | | Total+10% | | 24.1 | 8.6 |
| | | | | | | | (x2) | | 48.2 | 17.2 |
| V 4=V 11 | 1 | ø5 | 2 | | 250 | | 250 | 500 | | 0.8 |
| | 2 | ø8 | 2 | 13.6 | 250 | 13.6 | 277 | 554 | 2.2 | |
| | 3 | ø5 | 16 | 5 | 68 | 5 | 78 | 1248 | | 2.0 |
| | | | | | | | Total+10% | | 2.4 | 3.1 |
| | | | | | | | (x2) | | 4.8 | 6.2 |
| V 5=V 9 | 1 | ø12.5 | 2 | 25 | 1148.5 | 20.8 | 1194 | 2388 | 23.0 | |
| | 2 | ø12.5 | 1 | 25 | 780 | | 805 | 805 | 7.8 | |
| | 3 | ø12.5 | 1 | 16.3 | 605 | | 621 | 621 | 6.0 | |
| | 4 | ø12.5 | 2 | 16.3 | 1148.5 | 16.3 | 1180 | 2360 | 22.8 | |
| | 5 | ø5 | 4 | | 1148.5 | 6.5 | 1155 | 4620 | | 7.3 |
| | 6 | ø5 | 58 | 5 | 116 | 5 | 126 | 7308 | | 11.5 |
| | | | | | | | Total+10% | | 65.6 | 20.7 |
| | | | | | | | (x2) | | 131.2 | 41.4 |
| V 6 | 1 | ø16 | 2 | 33 | 536 | 20.8 | 590 | 1180 | 18.6 | |
| | 2 | ø16 | 2 | 20.8 | 536 | 20.8 | 578 | 1156 | 18.2 | |
| | 3 | ø5 | 4 | 6.5 | 503.5 | | 530 | 2120 | | 3.3 |
| | 4 | ø5 | 26 | 5 | 108 | 5 | 118 | 3068 | | 4.8 |
| | | | | | | | Total+10% | | 40.5 | 8.9 |
| V 21 | 1 | ø16 | 3 | 20.8 | 869.2 | | 890 | 2670 | 42.1 | |
| | 2 | ø16 | 3 | | 864.2 | 20.8 | 885 | 2655 | 41.9 | |
| | 3 | ø16 | 2 | | 586 | 20.8 | 607 | 1214 | 19.2 | |
| | 4 | ø16 | 2 | 20.8 | 1127 | | 1148 | 2296 | 36.2 | |
| | 5 | ø5 | 4 | | 560 | | 560 | 2240 | | 3.5 |
| | 6 | ø5 | 4 | | 1100 | | 1100 | 4400 | | 6.9 |
| | 7 | ø5 | 86 | 5 | 116 | 5 | 126 | 10836 | | 17.0 |
| | | | | | | | Total+10% | | 153.3 | 30.1 |
| V 19 | 1 | ø5 | 2 | | 531 | | 531 | 1062 | | 1.7 |
| | 2 | ø12.5 | 2 | 16.3 | 531 | 16.3 | 564 | 1128 | 10.9 | |
| | 3 | ø10 | 2 | | 531 | | 531 | 1062 | 6.5 | |
| | 4 | ø5 | 4 | 6.5 | 531 | 6.5 | 544 | 2176 | | 3.4 |
| | 5 | ø5 | 27 | 5 | 108 | 5 | 118 | 3186 | | 5.0 |
| | | | | | | | Total+10% | | 19.1 | 11.1 |
| V 7 | 1 | ø16 | 8 | 20.8 | 594 | 20.8 | 636 | 5088 | 80.3 | |
| | 2 | ø5 | 4 | 6.5 | 594 | 6.5 | 607 | 2428 | | 3.8 |
| | 3 | ø5 | 29 | 5 | 116 | 5 | 126 | 3654 | | 5.7 |
| | | | | | | | Total+10% | | 88.3 | 10.5 |
| V 8 | 1 | ø12.5 | 4 | 16.3 | 547 | 16.3 | 580 | 2320 | 22.3 | |
| | 2 | ø5 | 4 | 6.5 | 538.5 | | 545 | 2180 | | 3.4 |
| | 3 | ø5 | 26 | 5 | 108 | 5 | 118 | 3068 | | 4.8 |
| | | | | | | | Total+10% | | 24.5 | 9.0 |
| | | | | | | | ø5: | | 0.0 | 310.0 |
| | | | | | | | ø8: | | 4.8 | 0.0 |
| | | | | | | | ø10: | | 7.1 | 0.0 |
| | | | | | | | ø12.5: | | 679.9 | 0.0 |
| | | | | | | | ø16: | | 545.1 | 0.0 |
| | | | | | | | Total: | | 1236.9 | 310.0 |

## V 2=V 14
Escala vigas 1:50
Escala seções 1:25




Seção A

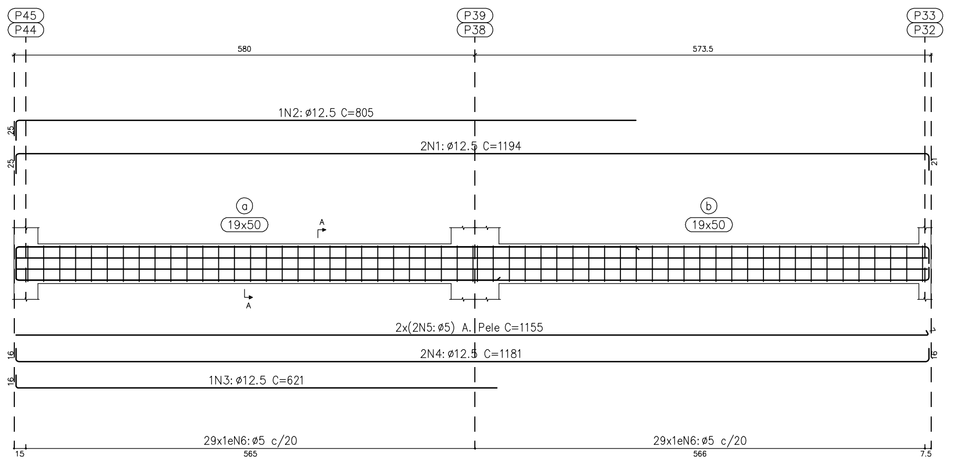



N10:
166N10: ø5 C=126

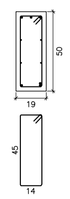
| Térreo |
|---|
| Desenho de vigas |
| Concreto: C25, usina.rigor |
| Aço das barras: CA-50 e CA-60 |
| Aço dos estribos: CA-50 e CA-60 |
| Escala vigas 1:50 |
| Escala seções 1:25 |
| Escala aberturas 1:20 |

| Resumo Aço Desenho de vigas | | Comp. total (m) | Peso+10% (kg) | Total |
|---|---|---|---|---|
| CA-50 | ø6.3 | 74.2 | 20 | |
| | ø8 | 26.5 | 12 | |
| | ø10 | 156.8 | 106 | |
| | ø12.5 | 860.7 | 912 | |
| | ø16 | 595.1 | 1033 | 2083 |
| CA-60 | ø5 | 2817.4 | 487 | 487 |
| Total | | | | 2570 |

## V 5=V 9
Escala vigas 1:50
Escala seções 1:25

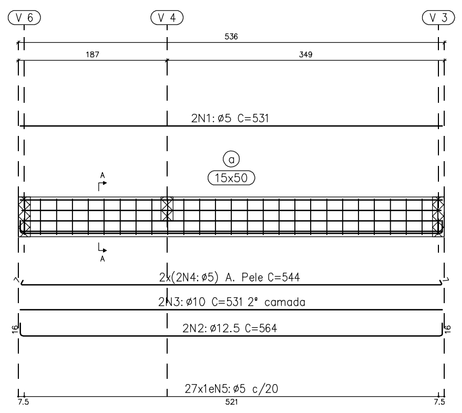



Seção A

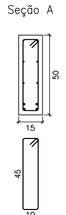



N6:
58N6: ø5 C=126

## V 19
Escala vigas 1:50
Escala seções 1:25

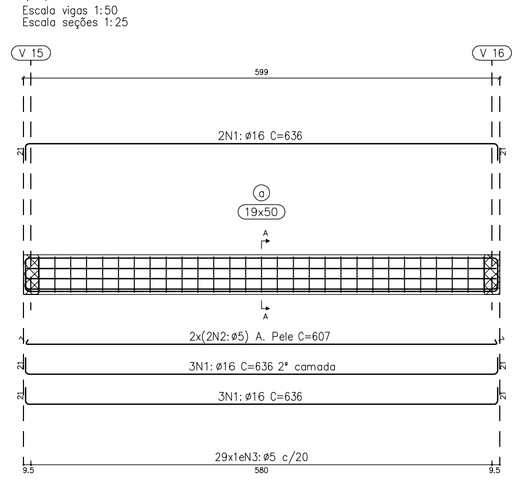



Seção A

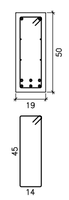



N5:
27N5: ø5 C=118

## V 7
Escala vigas 1:50
Escala seções 1:25

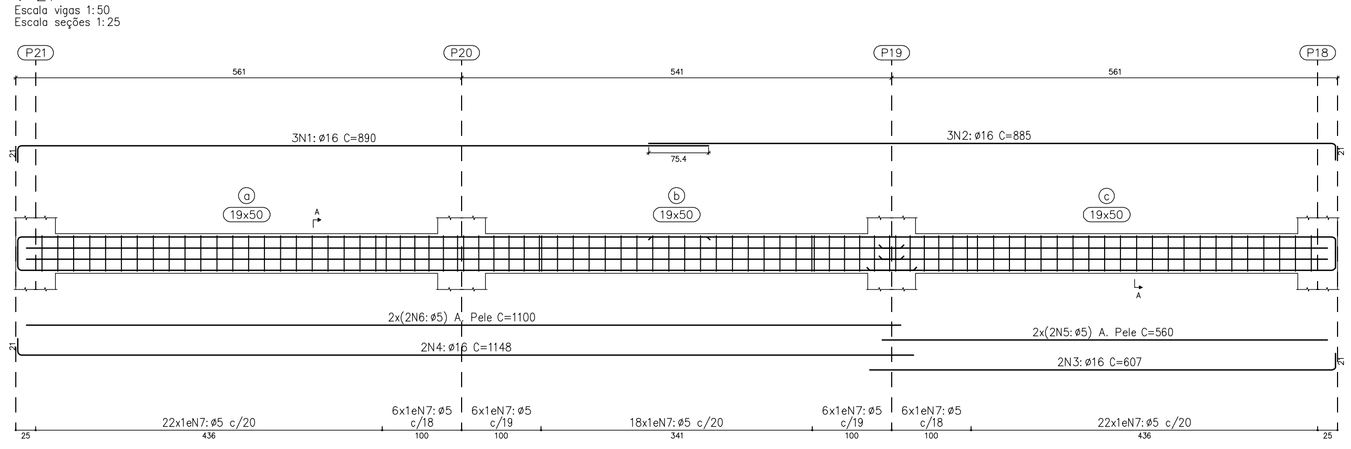



Seção A

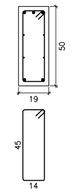



N3:
29N3: ø5 C=126

## V 21
Escala vigas 1:50
Escala seções 1:25

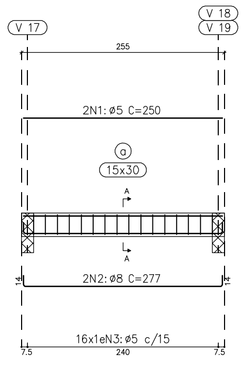



Seção A

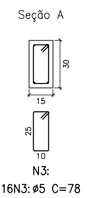



N7:
86N7: ø5 C=126

## V 4=V 11
Escala vigas 1:50
Escala seções 1:25

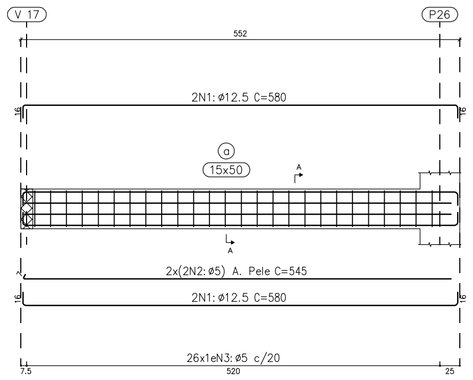



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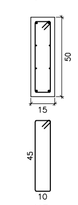



N3:
16N3: ø5 C=78

## V 8
Escala vigas 1:50
Escala seções 1:25




Seção A




N3:
26N3: ø5 C=118

CARIMBO

**Concreto 25MPa**

REVISÕES

| Nº | DATA | DESCRIÇÃO | ASSINATURA |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |
| | | "AS BUILT" | |


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SERVIÇO SOCIAL DO COMÉRCIO
DEPARTAMENTO REGIONAL
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Rua Felipe Schmidt, 785 – Centro – Florianópolis
CEP 88.010.002 – Fone/Fax: (48) 3251-4800
sesc-sc@sesc-sc.com.br

Projeto

# ESTRUTURAL

Local: SESC COMUNIDADE GUABIRUBA

End.: RUA ARTHUR BAUMGARTNER, S/Nº – GUABIRUBA/SC

Obra: CONSTRUÇÃO QUADRA SESC COMUNIDADE

Conteúdo: VIGAS BALDRAME 01/02

Proprietário: SERVIÇO SOCIAL DO COMÉRCIO

Resp. técnico

Carimbo e assinatura do Proprietário

Carimbo e assinatura do Responsável Técnico

Autor do Projeto

Eng.º Civil Jéssica Tartari da Silva
CREA/SC 147.347-0

Assinatura

Prancha nº: 01

Co-Autor do Projeto

07 Total

| Arquivo | Desenho | Escala | Data |
|---|---|---|---|
| ESTRUTURAL-QUADRA SESC GUABIRUBA-VIGAS-R00.DWG | CZF | Indicada | Outubro/2019 |

DATA DE PLOTAGEM: 04/outubro/2019 ********** PENA DE PLOTAGEM: 3 - EST. PROENG.ctb
ARQUIVO: D:\PROJETOS\Guabiruba\454 - Sesc Guabiruba\Estrutural\Pranchas\Estrutural-Quadra Sesc Guabiruba-Vigas-R00.dwg