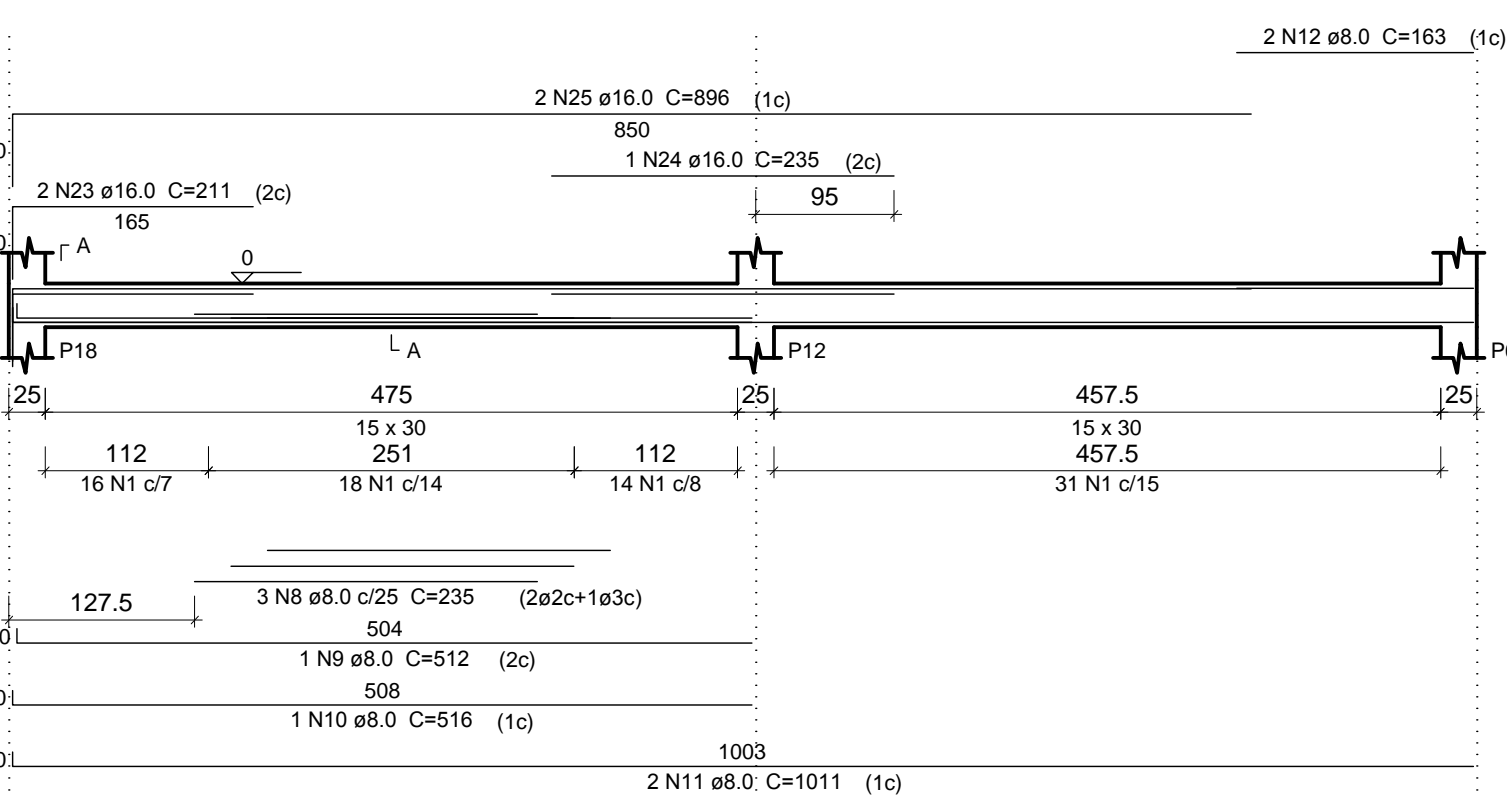
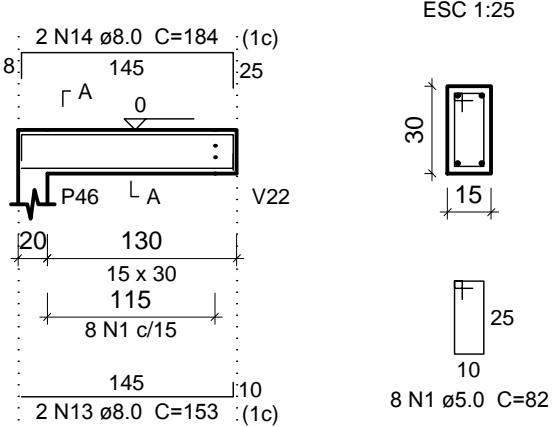


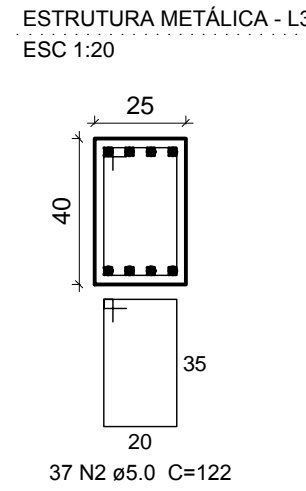
V63 (15 x 30)



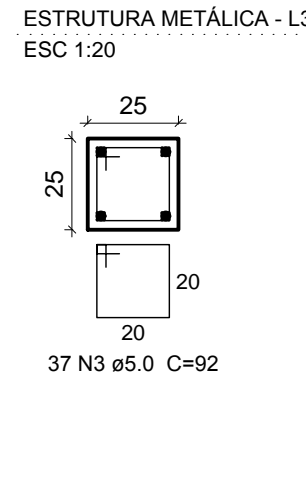
V64 (15 x 30)



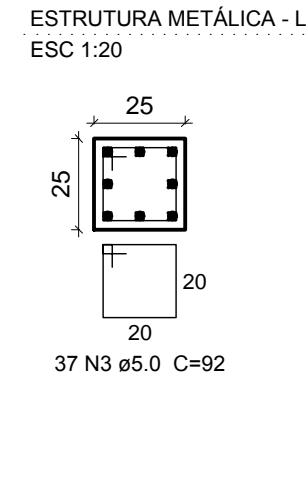
P1



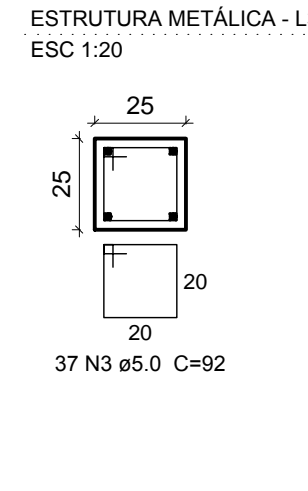
P2=P3



P4



P5=P60

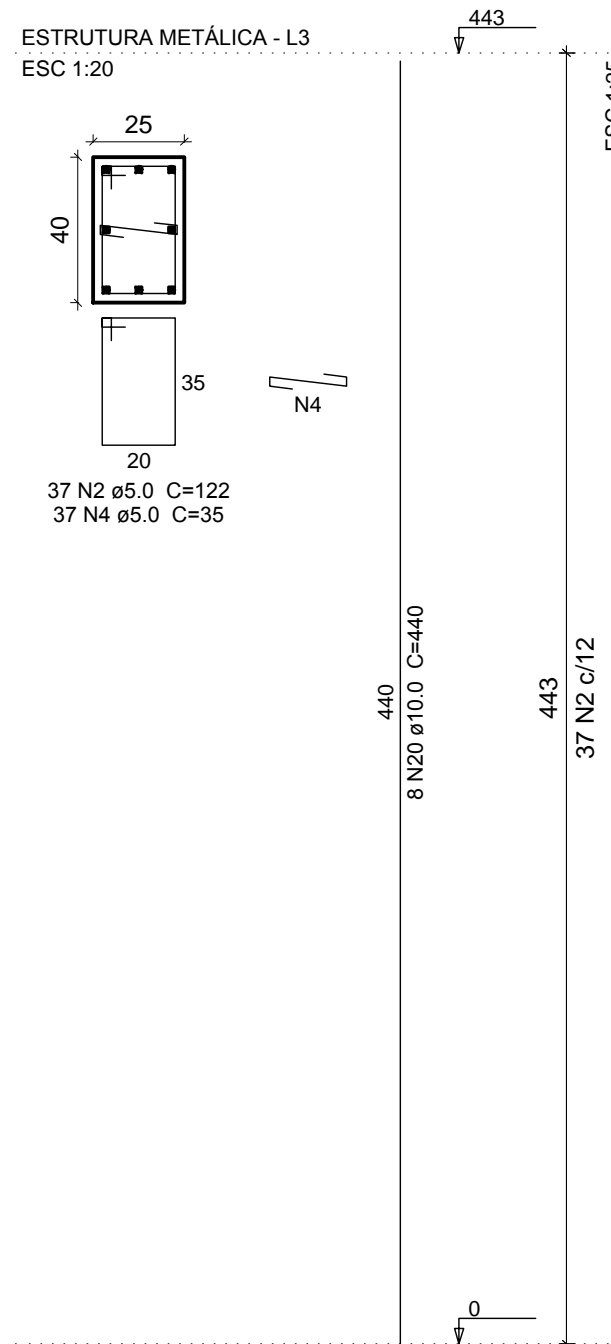


| Relação do aço | | | | | |
|---------------------|----|-----------|-------|-------------|--------------|
| ESTRUTURA METÁLICA: | | | | | |
| MERCADO: | | | | | |
| AÇO | N | DIAM (mm) | QUANT | C.UNIT (cm) | C.TOTAL (cm) |
| CA60 | 1 | 5.0 | 544 | 82 | 44608 |
| | 2 | 5.0 | 812 | 122 | 99064 |
| | 3 | 5.0 | 185 | 92 | 17020 |
| | 4 | 5.0 | 584 | 35 | 20440 |
| | 5 | 5.0 | 244 | 35 | 8540 |
| | 6 | 5.0 | 140 | 112 | 15680 |
| | 7 | 5.0 | 2 | 270 | 540 |
| | 8 | 8.0 | 3 | 235 | 705 |
| | 9 | 8.0 | 1 | 512 | 512 |
| | 10 | 8.0 | 1 | 516 | 516 |
| CA50 | 11 | 8.0 | 2 | 1011 | 2022 |
| | 12 | 8.0 | 2 | 163 | 326 |
| | 13 | 8.0 | 2 | 153 | 306 |
| | 14 | 8.0 | 2 | 184 | 368 |
| | 15 | 8.0 | 2 | 1008 | 2016 |
| | 16 | 8.0 | 2 | 1040 | 2080 |
| | 17 | 8.0 | 2 | 420 | 840 |
| | 18 | 8.0 | 2 | 111 | 222 |
| | 19 | 8.0 | 2 | 91 | 182 |
| | 20 | 10.0 | 156 | 440 | 68640 |
| | 21 | 10.0 | 12 | 352 | 4224 |
| | 22 | 12.5 | 156 | 440 | 68640 |
| | 23 | 16.0 | 2 | 211 | 422 |
| | 24 | 16.0 | 1 | 235 | 235 |
| | 25 | 16.0 | 2 | 896 | 1792 |

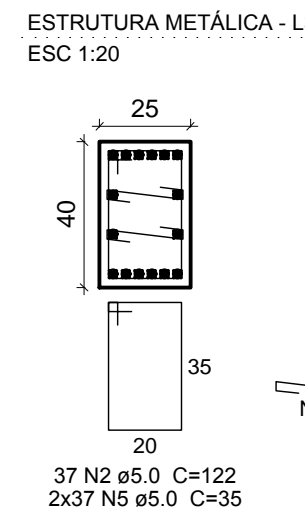
| Resumo do aço | | | |
|-----------------|-----------|-------------|-----------------|
| AÇO | DIAM (mm) | C.TOTAL (m) | PESO + 10% (kg) |
| CA50 | 8.0 | 101 | 43.8 |
| | 10.0 | 732.3 | 496.6 |
| | 12.5 | 686.4 | 727.4 |
| | 16.0 | 24.5 | 42.5 |
| CA60 | 5.0 | 2059 | 349.1 |
| PESO TOTAL (kg) | | 1310.3 | |
| CA50 | | 1310.3 | |
| CA60 | | 349.1 | |

Volume de concreto (C-30) = 1.17 m³
Volume de concreto (C-35) = 14.57 m³
Área de forma = 228.05 m²

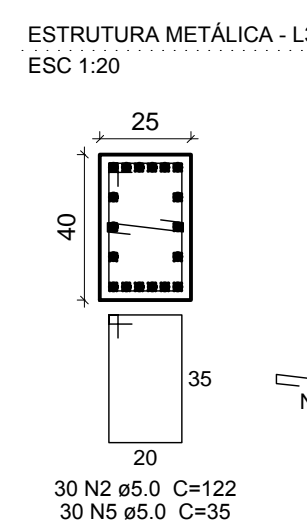
P6=P12=P18=P24=P30=P36=P42=P48=P50=P55=P65



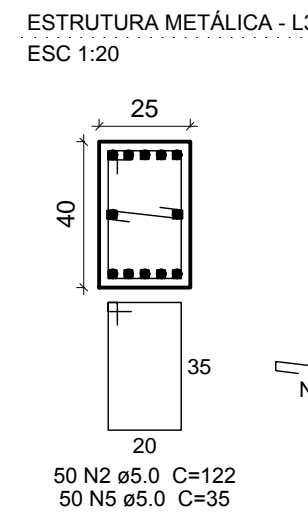
P7



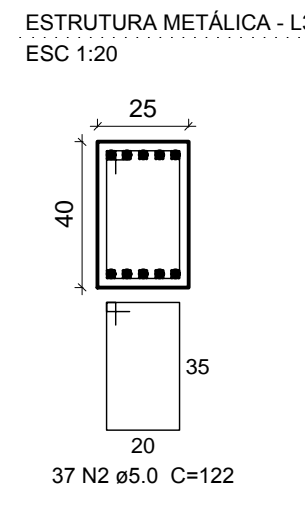
P13=P19=P25=P31



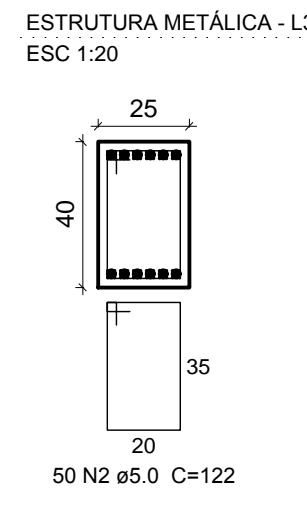
P38



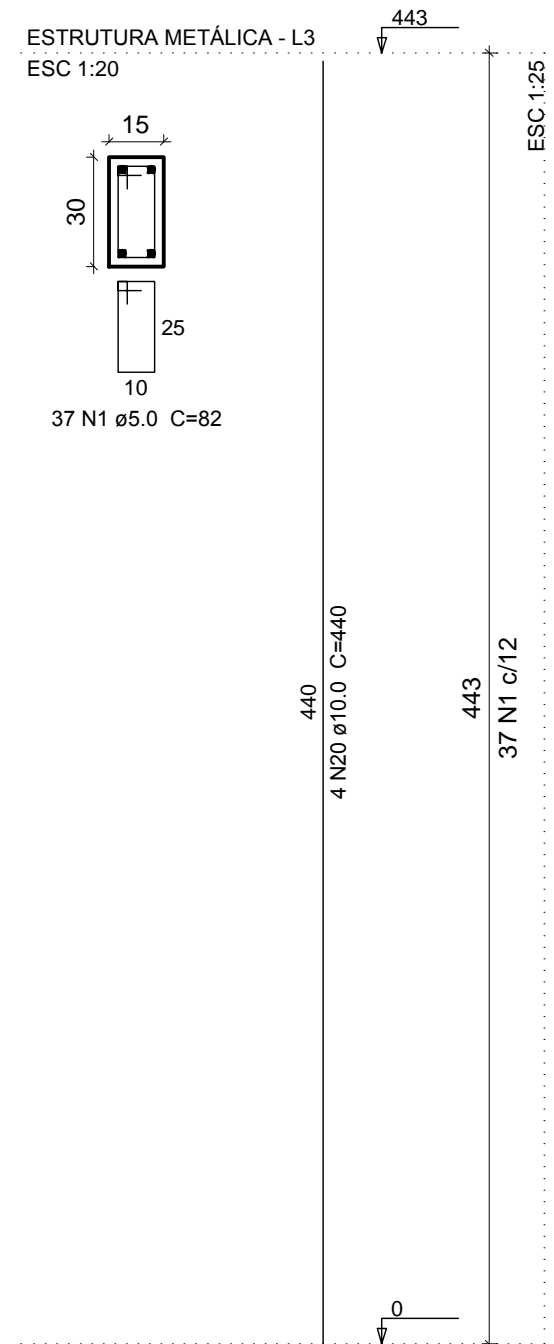
P44=P47



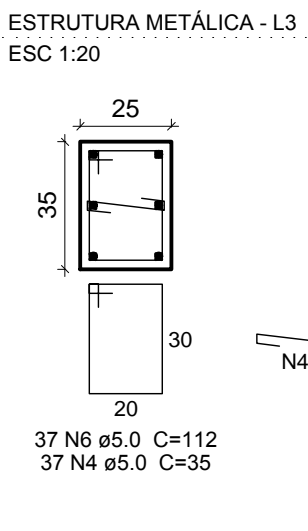
P49



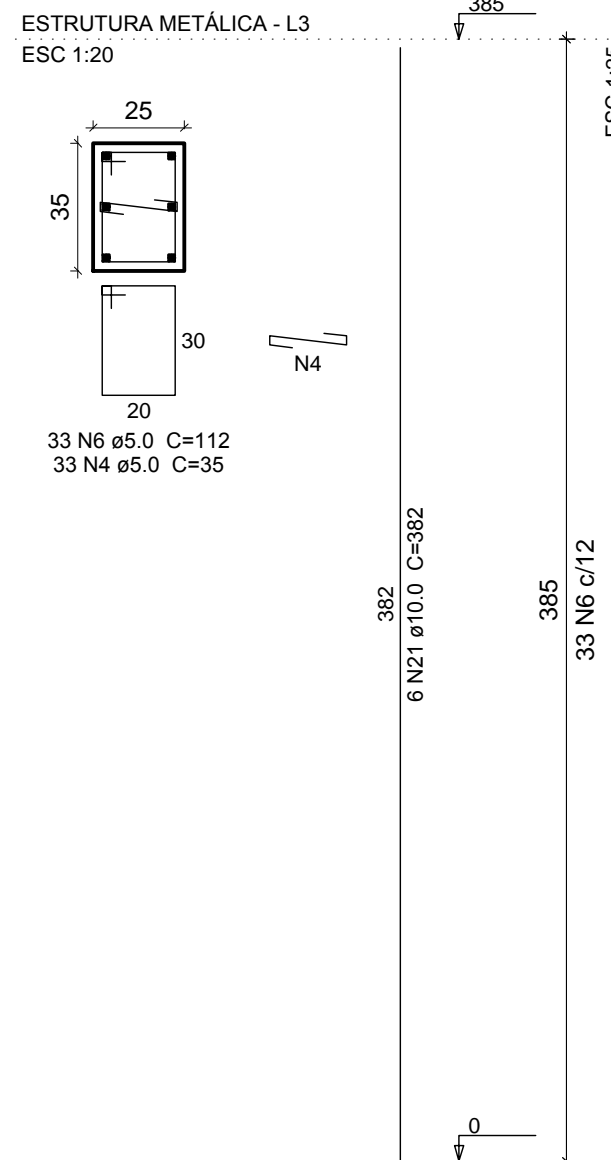
P51=P52=P53=P54=P56=P57=P58=P62=P63=P64



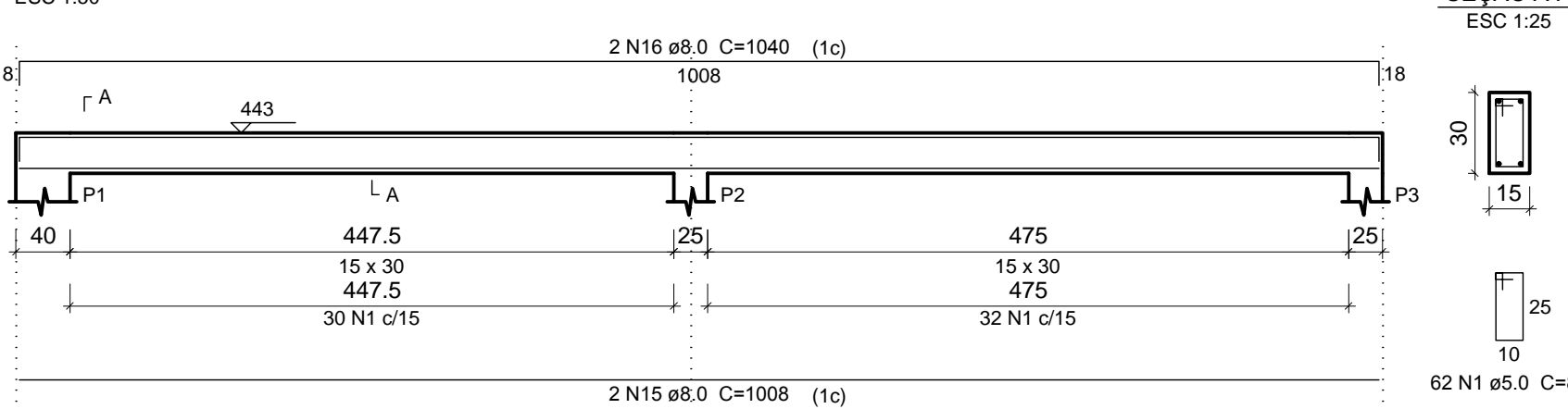
P59=P61



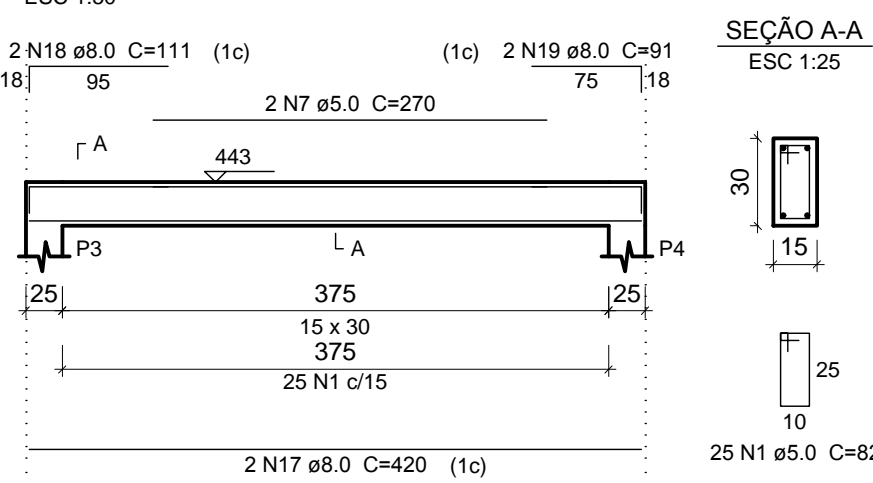
P66=P67



V1 (15 x 30)



V2 (15 x 30)



PREFEITURA MUNICIPAL DE SÃO JOÃO DO PARAÍSO/MG



| | | | |
|--|--|--|--|
| OBRA/SERVIÇO: | | MERCADO MUNICIPAL | |
| PROPRIETÁRIO: | | PREFEITURA MUNICIPAL DE SÃO JOÃO DO PARAÍSO/MG | |
| CPF: | | 24.791.154/0001-07 | |
| MÔNICA CRISTINE MENDES | | PREFEITA MUNICIPAL | |
| ENDEREÇO: | | PRAÇA DO MERCADO S/Nº - SEDE DO MUNICÍPIO - SÃO JOÃO DO PARAÍSO/MG | |
| PROJETO: | | PROJETO ESTRUTURAL | |
| RESPONSÁVEL TÉCNICO: | | MARCOS PAULO MADUREIRA LOPES | |
| ENGENHEIRO CIVIL - CREA MG: 224.188/D | | RRT Nº: | |
| ÁREAS: | | PROPOSTA Nº: | |
| - ÁREA PAVIMENTO TERREO: 1.200,00 M2 | | ESCALA: | |
| - ÁREA SUB-SOLO (CONSTRUÍDA): 714,00 M2 | | INDICADA | |
| - ÁREA TOTAL EDIFICADA: 1.348,74 M2 | | | |
| - ÁREA TOTAL (INCLUSO PILOTIS) = 1.914,00 M2 | | | |
| DATA: | | MARÇO/2020 | |
| CONTEÚDO: | | VIGAS NÍVEL MERCADO E PILARES | |