

| Pilares | | | |
|---------|-------|----------|-------|
| Nome | Seção | Elevação | Nível |
| (cm) | (cm) | (cm) | (cm) |
| P1 | 14x30 | 0 | 350 |
| P2 | 14x30 | 0 | 350 |
| P3 | 14x30 | 0 | 350 |
| P4 | 14x30 | 0 | 350 |
| P5 | 14x30 | 0 | 350 |
| P6 | 14x30 | 0 | 350 |
| P7 | 14x30 | 0 | 350 |
| P8 | 14x30 | 0 | 350 |
| P9 | 14x30 | 0 | 350 |
| P10 | 14x30 | 0 | 350 |
| P11 | 14x30 | 0 | 350 |
| P12 | 14x30 | 0 | 350 |
| P13 | 14x30 | 0 | 350 |
| P14 | 14x30 | 0 | 350 |
| P15 | 14x30 | 0 | 350 |
| P16 | 14x30 | 0 | 350 |
| P17 | 14x30 | 0 | 350 |
| P18 | 14x30 | 0 | 350 |
| P19 | 14x30 | 0 | 350 |
| P20 | 14x30 | 0 | 350 |
| P21 | 14x30 | 0 | 350 |
| P22 | 14x30 | 0 | 350 |
| P23 | 14x30 | 0 | 350 |
| P24 | 14x30 | 0 | 350 |
| P25 | 14x30 | 0 | 350 |
| P26 | 14x30 | 0 | 350 |
| P27 | 14x30 | 0 | 350 |
| P28 | 14x30 | 0 | 350 |
| P29 | 14x30 | 0 | 350 |
| P30 | 14x30 | 0 | 350 |
| P31 | 14x30 | 0 | 350 |
| P32 | 14x30 | 0 | 350 |
| P33 | 14x30 | 0 | 350 |
| P34 | 14x30 | 0 | 350 |
| P35 | 14x30 | 0 | 350 |
| P36 | 14x30 | 0 | 350 |
| P37 | 14x30 | 0 | 350 |
| P38 | 14x30 | 0 | 350 |
| P39 | 14x30 | 0 | 350 |
| P40 | 14x30 | 0 | 350 |
| P41 | 14x30 | 0 | 350 |
| P42 | 14x30 | 0 | 350 |
| P43 | 14x30 | 0 | 350 |
| P44 | 14x30 | 0 | 350 |
| P45 | 14x30 | 0 | 350 |
| P46 | 14x30 | 0 | 350 |
| P47 | 14x30 | 0 | 350 |
| P48 | 14x30 | 0 | 350 |
| P49 | 14x30 | 0 | 350 |
| P50 | 14x30 | 0 | 350 |
| P51 | 14x30 | 0 | 350 |
| P52 | 14x30 | 0 | 350 |
| P53 | 14x30 | 0 | 350 |
| P54 | 14x30 | 0 | 350 |
| P55 | 14x30 | 0 | 350 |
| P56 | 14x30 | 0 | 350 |
| P57 | 14x30 | 0 | 350 |
| P58 | 14x30 | 0 | 350 |
| P59 | 14x30 | 0 | 350 |
| P60 | 14x30 | 0 | 350 |
| P61 | 14x30 | 0 | 350 |
| P62 | 14x30 | 0 | 350 |
| P63 | 14x30 | 0 | 350 |
| P64 | 14x30 | 0 | 350 |
| P65 | 14x30 | 0 | 350 |
| P66 | 14x30 | 0 | 350 |
| P67 | 14x30 | 0 | 350 |
| P68 | 14x30 | 0 | 350 |
| P69 | 14x30 | 0 | 350 |
| P70 | 14x30 | 0 | 350 |
| P71 | 14x30 | 0 | 350 |
| P72 | 14x30 | 0 | 350 |
| P73 | 14x30 | 0 | 350 |
| P74 | 14x30 | 0 | 350 |
| P75 | 14x30 | 0 | 350 |
| P76 | 14x30 | 0 | 350 |
| P77 | 14x30 | 0 | 350 |
| P78 | 14x30 | 0 | 350 |
| P79 | 14x30 | 0 | 350 |
| P80 | 14x30 | 0 | 350 |
| P81 | 14x30 | 0 | 350 |
| P82 | 14x30 | 0 | 350 |
| P83 | 14x30 | 0 | 350 |
| P84 | 14x30 | 0 | 350 |
| P85 | 14x30 | 0 | 350 |
| P86 | 14x30 | 0 | 350 |
| P87 | 14x30 | 0 | 350 |
| P88 | 14x30 | 0 | 350 |
| P89 | 14x30 | 0 | 350 |
| P90 | 14x30 | 0 | 350 |
| P91 | 14x30 | 0 | 350 |
| P92 | 14x30 | 0 | 350 |
| P93 | 14x30 | 0 | 350 |
| P94 | 14x30 | 0 | 350 |
| P95 | 14x30 | 0 | 350 |
| P96 | 14x30 | 0 | 350 |
| P97 | 14x30 | 0 | 350 |
| P98 | 14x30 | 0 | 350 |
| P99 | 14x30 | 0 | 350 |
| P100 | 14x30 | 0 | 350 |
| P101 | 14x30 | 0 | 350 |
| P102 | 14x30 | 0 | 350 |
| P103 | 14x30 | 0 | 350 |
| P104 | 14x30 | 0 | 350 |
| P105 | 14x30 | 0 | 350 |
| P106 | 14x30 | 0 | 350 |
| P107 | 14x30 | 0 | 350 |
| P108 | 14x30 | 0 | 350 |
| P109 | 14x30 | 0 | 350 |
| P110 | 14x30 | 0 | 350 |
| P111 | 14x30 | 0 | 350 |
| P112 | 14x30 | 0 | 350 |
| P113 | 14x30 | 0 | 350 |
| P114 | 14x30 | 0 | 350 |
| P115 | 14x30 | 0 | 350 |
| P116 | 14x30 | 0 | 350 |
| P117 | 14x30 | 0 | 350 |
| P118 | 14x30 | 0 | 350 |
| P119 | 14x30 | 0 | 350 |
| P120 | 14x30 | 0 | 350 |
| P121 | 14x30 | 0 | 350 |
| P122 | 14x30 | 0 | 350 |
| P123 | 14x30 | 0 | 350 |
| P124 | 14x30 | 0 | 350 |
| P125 | 14x30 | 0 | 350 |
| P126 | 14x30 | 0 | 350 |
| P127 | 14x30 | 0 | 350 |
| P128 | 14x30 | 0 | 350 |
| P129 | 14x30 | 0 | 350 |
| P130 | 14x30 | 0 | 350 |
| P131 | 14x30 | 0 | 350 |
| P132 | 14x30 | 0 | 350 |
| P133 | 14x30 | 0 | 350 |
| P134 | 14x30 | 0 | 350 |
| P135 | 14x30 | 0 | 350 |
| P136 | 14x30 | 0 | 350 |
| P137 | 14x30 | 0 | 350 |
| P138 | 14x30 | 0 | 350 |
| P139 | 14x30 | 0 | 350 |
| P140 | 14x30 | 0 | 350 |
| P141 | 14x30 | 0 | 350 |
| P142 | 14x30 | 0 | 350 |
| P143 | 14x30 | 0 | 350 |
| P144 | 14x30 | 0 | 350 |
| P145 | 14x30 | 0 | 350 |
| P146 | 14x30 | 0 | 350 |
| P147 | 14x30 | 0 | 350 |
| P148 | 14x30 | 0 | 350 |
| P149 | 14x30 | 0 | 350 |
| P150 | 14x30 | 0 | 350 |
| P151 | 14x30 | 0 | 350 |
| P152 | 14x30 | 0 | 350 |
| P153 | 14x30 | 0 | 350 |
| P154 | 14x30 | 0 | 350 |
| P155 | 14x30 | 0 | 350 |
| P156 | 14x30 | 0 | 350 |
| P157 | 14x30 | 0 | 350 |
| P158 | 14x30 | 0 | 350 |
| P159 | 14x30 | 0 | 350 |
| P160 | 14x30 | 0 | 350 |
| P161 | 14x30 | 0 | 350 |
| P162 | 14x30 | 0 | 350 |
| P163 | 14x30 | 0 | 350 |

| Vigas | | | |
|-------|-------|----------|-------|
| Nome | Seção | Elevação | Nível |
| (cm) | (cm) | (cm) | (cm) |
| V1 | 14x30 | 0 | 350 |
| V2 | 14x30 | 0 | 350 |
| V3 | 14x30 | 0 | 350 |
| V4 | 14x30 | 0 | 350 |
| V5 | 14x30 | 0 | 350 |
| V6 | 14x30 | 0 | 350 |
| V7 | 14x30 | 0 | 350 |
| V8 | 14x30 | 0 | 350 |
| V9 | 14x30 | 0 | 350 |
| V10 | 14x30 | 0 | 350 |
| V11 | 14x30 | 0 | 350 |
| V12 | 14x30 | 0 | 350 |
| V13 | 14x30 | 0 | 350 |
| V14 | 14x30 | 0 | 350 |
| V15 | 14x30 | 0 | 350 |
| V16 | 14x30 | 0 | 350 |
| V17 | 14x30 | 0 | 350 |
| V18 | 14x30 | 0 | 350 |
| V19 | 14x30 | 0 | 350 |
| V20 | 14x30 | 0 | 350 |
| V21 | 14x30 | 0 | 350 |
| V22 | 14x30 | 0 | 350 |
| V23 | 14x30 | 0 | 350 |
| V24 | 14x30 | 0 | 350 |
| V25 | 14x30 | 0 | 350 |
| V26 | 14x30 | 0 | 350 |
| V27 | 14x30 | 0 | 350 |
| V28 | 14x30 | 0 | 350 |
| V29 | 14x30 | 0 | 350 |
| V30 | 14x30 | 0 | 350 |
| V31 | 14x30 | 0 | 350 |
| V32 | 14x30 | 0 | 350 |
| V33 | 14x30 | 0 | 350 |
| V34 | 14x30 | 0 | 350 |
| V35 | 14x30 | 0 | 350 |
| V36 | 14x30 | 0 | 350 |
| V37 | 14x30 | 0 | 350 |
| V38 | 14x30 | 0 | 350 |
| V39 | 14x30 | 0 | 350 |
| V40 | 14x30 | 0 | 350 |
| V41 | 14x30 | 0 | 350 |
| V42 | 14x30 | 0 | 350 |
| V43 | 14x30 | 0 | 350 |
| V44 | 14x30 | 0 | 350 |
| V45 | 14x30 | 0 | 350 |
| V46 | 14x30 | 0 | 350 |
| V47 | 14x30 | 0 | 350 |
| V48 | 14x30 | 0 | 350 |
| V49 | 14x30 | 0 | 350 |
| V50 | 14x30 | 0 | 350 |
| V51 | 14x30 | 0 | 350 |
| V52 | 14x30 | 0 | 350 |
| V53 | 14x30 | 0 | 350 |
| V54 | 14x30 | 0 | 350 |
| V55 | 14x30 | 0 | 350 |
| V56 | 14x30 | 0 | 350 |
| V57 | 14x30 | 0 | 350 |
| V58 | 14x30 | 0 | 350 |
| V59 | 14x30 | 0 | 350 |
| V60 | 14x30 | 0 | 350 |
| V61 | 14x30 | 0 | 350 |
| V62 | 14x30 | 0 | 350 |
| V63 | 14x30 | 0 | 350 |
| V64 | 14x30 | 0 | 350 |
| V65 | 14x30 | 0 | 350 |
| V66 | 14x30 | 0 | 350 |
| V67 | 14x30 | 0 | 350 |
| V68 | 14x30 | 0 | 350 |
| V69 | 14x30 | 0 | 350 |
| V70 | 14x30 | 0 | 350 |
| V71 | 14x30 | 0 | 350 |
| V72 | 14x30 | 0 | 350 |
| V73 | 14x30 | 0 | 350 |
| V74 | 14x30 | 0 | 350 |
| V75 | 14x30 | 0 | 350 |
| V76 | 14x30 | 0 | 350 |
| V77 | 14x30 | 0 | 350 |
| V78 | 14x30 | 0 | 350 |
| V79 | 14x30 | 0 | 350 |
| V80 | 14x30 | 0 | 350 |
| V81 | 14x30 | 0 | 350 |
| V82 | 14x30 | 0 | 350 |
| V83 | 14x30 | 0 | 350 |
| V84 | 14x30 | 0 | 350 |
| V85 | 14x30 | 0 | 350 |
| V86 | 14x30 | 0 | 350 |
| V87 | 14x30 | 0 | 350 |
| V88 | 14x30 | 0 | 350 |
| V89 | 14x30 | 0 | 350 |
| V90 | 14x30 | 0 | 350 |
| V91 | 14x30 | 0 | 350 |
| V92 | 14x30 | 0 | 350 |
| V93 | 14x30 | 0 | 350 |
| V94 | 14x30 | 0 | 350 |
| V95 | 14x30 | 0 | 350 |
| V96 | 14x30 | 0 | 350 |
| V97 | 14x30 | 0 | 350 |
| V98 | 14x30 | 0 | 350 |
| V99 | 14x30 | 0 | 350 |
| V100 | 14x30 | 0 | 350 |
| V101 | 14x30 | 0 | 350 |
| V102 | 14x30 | 0 | 350 |
| V103 | 14x30 | 0 | 350 |
| V104 | 14x30 | 0 | 350 |
| V105 | 14x30 | 0 | 350 |
| V106 | 14x30 | 0 | 350 |
| V107 | 14x30 | 0 | 350 |
| V108 | 14x30 | 0 | 350 |
| V109 | 14x30 | 0 | 350 |
| V110 | 14x30 | 0 | 350 |
| V111 | 14x30 | 0 | 350 |
| V112 | 14x30 | 0 | 350 |
| V113 | 14x30 | 0 | 350 |
| V114 | 14x30 | 0 | 350 |
| V115 | 14x30 | 0 | 350 |
| V116 | 14x30 | 0 | 350 |
| V117 | 14x30 | 0 | 350 |
| V118 | 14x30 | 0 | 350 |
| V119 | 14x30 | 0 | 350 |
| V120 | 14x30 | 0 | 350 |
| V121 | 14x30 | 0 | 350 |
| V122 | 14x30 | 0 | 350 |
| V123 | 14x30 | 0 | 350 |
| V124 | 14x30 | 0 | 350 |
| V125 | 14x30 | 0 | 350 |
| V126 | 14x30 | 0 | 350 |
| V127 | 14x30 | 0 | 350 |
| V128 | 14x30 | 0 | 350 |
| V129 | 14x30 | 0 | 350 |
| V130 | 14x30 | 0 | 350 |
| V131 | 14x30 | 0 | 350 |
| V132 | 14x30 | 0 | 350 |
| V133 | 14x30 | 0 | 350 |
| V134 | 14x30 | 0 | 350 |
| V135 | 14x30 | 0 | 350 |
| V136 | 14x30 | 0 | 350 |
| V137 | 14x30 | 0 | 350 |
| V138 | 14x30 | 0 | 350 |
| V139 | 14x30 | 0 | 350 |
| V140 | 14x30 | 0 | 350 |
| V141 | 14x30 | 0 | 350 |
| V142 | 14x30 | 0 | 350 |
| V143 | 14x30 | 0 | 350 |
| V144 | 14x30 | 0 | 350 |
| V145 | 14x30 | 0 | 350 |
| V146 | 14x30 | 0 | 350 |
| V147 | 14x30 | 0 | 350 |
| V148 | 14x30 | 0 | 350 |
| V149 | 14x30 | 0 | 350 |
| V150 | 14x30 | 0 | 350 |
| V151 | 14x30 | 0 | 350 |
| V152 | 14x30 | 0 | 350 |
| V153 | 14x30 | 0 | 350 |
| V154 | 14x30 | 0 | 350 |
| V155 | 14x30 | 0 | 350 |
| V156 | 14x30 | 0 | 350 |
| V157 | 14x30 | 0 | 350 |
| V158 | 14x30 | 0 | 350 |
| V159 | 14x30 | 0 | 350 |
| V160 | 14x30 | 0 | 350 |
| V161 | 14x30 | 0 | 350 |
| V162 | 14x30 | 0 | 350 |
| V163 | 14x30 | 0 | 350 |

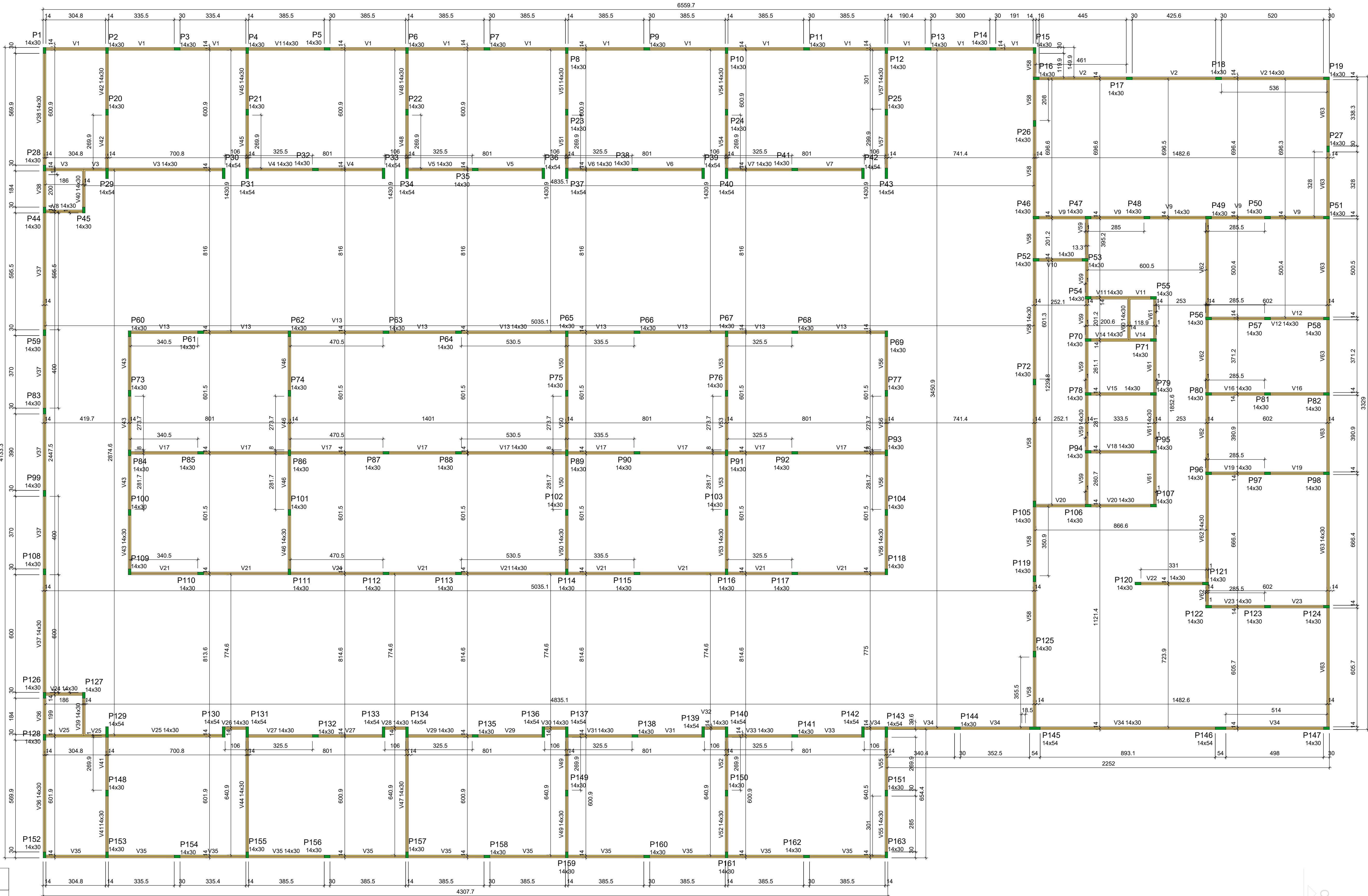
Pilar que morre

Viga

Características dos materiais

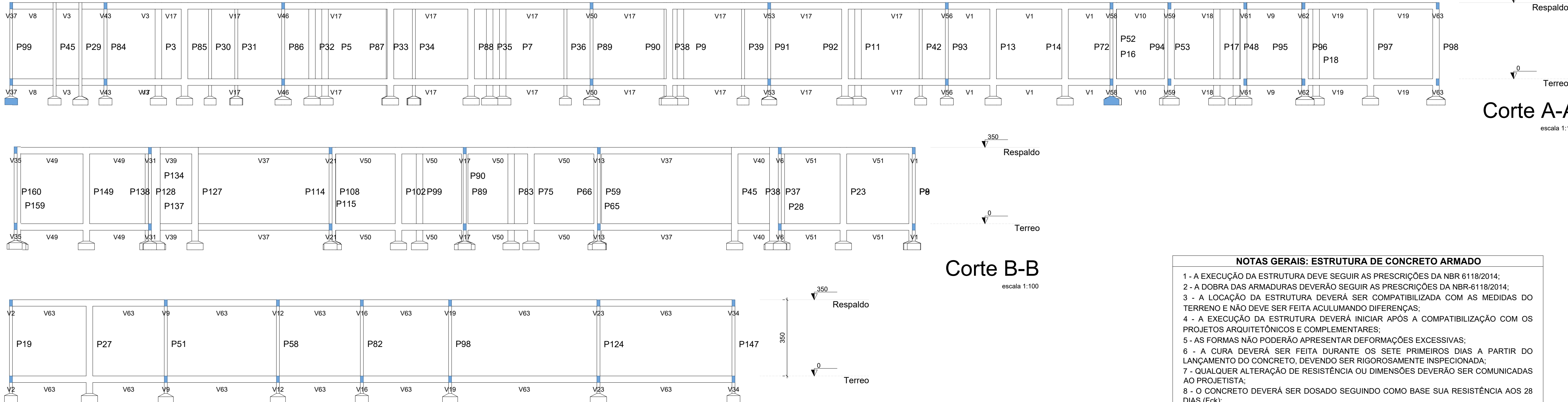
| | |
|---------------------|---------------------|
| kgf/cm ² | kgf/cm ² |
| 250 | 241500 |

Dimensão máxima do agregado = 19 mm



Forma do pavimento Respaldo (Nível 350)

escala 1:100



Corte B-B

escala 1:100

Corte C-C

</