DIMENSIONAMENTO DOS APARELHOS DE APOIO  
Folha 1

Situção Condicionante

<table>
<thead>
<tr>
<th>Acções por Aparelho</th>
<th>F [kN]</th>
<th>δ [mm]</th>
<th>θ [rad]</th>
</tr>
</thead>
<tbody>
<tr>
<td>PP</td>
<td>515,27</td>
<td>0,0171</td>
<td>0,00022</td>
</tr>
<tr>
<td>RCP</td>
<td>0,0040</td>
<td>0,0005</td>
<td></td>
</tr>
<tr>
<td>Carlinga</td>
<td>143,12</td>
<td>0,0000</td>
<td>0,0000</td>
</tr>
<tr>
<td>PEViga</td>
<td>96,51</td>
<td>1,3417</td>
<td>0,00038</td>
</tr>
<tr>
<td>PECont</td>
<td>-31,31</td>
<td>0,5023</td>
<td>0,00010</td>
</tr>
<tr>
<td>Ret+Fluência</td>
<td>-32,26</td>
<td>20,8941</td>
<td>0,00010</td>
</tr>
<tr>
<td>Vento (+)</td>
<td>0,31</td>
<td>0,0000</td>
<td>0,0000</td>
</tr>
<tr>
<td>VDT (+10°C)</td>
<td>77,96</td>
<td>0,0001</td>
<td>-0,00040</td>
</tr>
<tr>
<td>VDT (-5°C)</td>
<td>-38,85</td>
<td>0,0001</td>
<td>0,00020</td>
</tr>
<tr>
<td>VUT (± 15°C)</td>
<td>7,88</td>
<td>-4,8216</td>
<td>0,00002</td>
</tr>
<tr>
<td>Frenagem (±)</td>
<td>8,32</td>
<td>3,3609</td>
<td>0,00002</td>
</tr>
<tr>
<td>SCU + SCL (máx)</td>
<td>214,04</td>
<td>0,6009</td>
<td>0,00027</td>
</tr>
<tr>
<td>SCU + SCL (min)</td>
<td>-45,99</td>
<td>-0,6071</td>
<td>0,00014</td>
</tr>
<tr>
<td>VT (máx)</td>
<td>218,03</td>
<td>0,1540</td>
<td>0,00022</td>
</tr>
<tr>
<td>VT (min)</td>
<td>-19,57</td>
<td>-0,1580</td>
<td>0,00006</td>
</tr>
<tr>
<td>Sismo Long (±)</td>
<td>80,19</td>
<td>35,5236</td>
<td>0,00026</td>
</tr>
<tr>
<td>Sismo Transv (±)</td>
<td>10,63</td>
<td>0,0239</td>
<td>0,00005</td>
</tr>
</tbody>
</table>

N máximo = 1119,47 kN
N mínimo = 298,28 kN
F(horiz) transv = 117,13 kN

δ máximo (+) = 84,82 mm
δ máximo (-) = 62,11 mm

θ máximo = 0,00048 rad

Aparelho de Apoio

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<tr>
<th>FV máx [kN]</th>
<th>FV min [kN]</th>
<th>Fv.T. [kN]</th>
<th>δ máx [mm]</th>
<th>θ máx [rad]</th>
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<td>1200</td>
<td>350</td>
<td>150</td>
<td>± 90</td>
<td>0,0005</td>
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A tabul = 7,0504 m²
Lcorr = 26,1 m
Lext = 15,55 m
Ltabul = 15,1 m
Lrodov = 14,6 m
VDT diurn = 10 C°
VDT noct = -5 C°
yb = 25 kN/m3
nº Ap. Apo = 4

RCP = 45,2 kN/m

N máximo = 1119,47 kN
N mínimo = 298,28 kN
F(horiz) transv = 117,13 kN

δ máximo (+) = 84,82 mm
δ máximo (-) = 62,11 mm

θ máximo = 0,00048 rad

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