|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **REVISION DE LARGUERO** | | | | | | |
|  | **{{ perfil }}** | | | |  | |
|  | |  |  |  | | --- | --- | --- | | **Materiales** | | | | Acero |  | | | Fy | {{ Fy }} | kg/cm2 | | E | {{ E }} | kg/cm2 | | G | {{ G }} | kg/ cm2 | | **Sección** | | | | ho | {{ ho }} | mm | | bo | {{ bo }} | mm | | c | {{ c }} | mm | cm | | t | {{ t }} | mm | | R | {{ Radio }} | mm | | x | {{ x\_barra }} | cm | | xc | {{ x\_c }} | cm | | eo | {{ e\_o }} | cm | | h | {{h}} | cm | | Aw | {{Aw}} | cm2 | | | | | |  |  |  | | --- | --- | --- | | **Propiedades de sección** | | | | Área | {{ Ar }} | cm2 | | Ix | {{ix}} | cm4 | | Iy | {{ iy }} | cm4 | | Sex |  | cm3 | | Sey | {{ sy }} | cm3 | | rx | {{ rx }} | cm | | ry | {{ ry }} | cm | | J | {{ j }} | cm4 | | Cw | {{ cw }} | cm6 | | Peso p | {{ peso }} | kg/m | | |
| |  |  | | --- | --- | | **Factores de resistencia** | | | Flexión Φb | {{ Phi }} | | Corte Φv | {{ Phiv }} | | R | {{ R }} | | |  |  |  | | --- | --- | --- | | **Momento nominal** | | | | Fy = 33 ksi | | | | Mn | {{ Mnxo33 }} | kg\*m | | Fy = 50 ksi | | | | Mn | {{ Mnxo50 }} | kg\*m | | |
|  | **SOLICITACIONES** | | | |  | |
| |  |  |  | | --- | --- | --- | | **Cargas** | | | | Lámina | {{ lamina }} | kg/m2 | | Carga vivainst | {{ CVins }} | kg/m2 | | Carga vivamax | {{ CVmax }} | kg/m2 | | Carga vivamed | {{ CVmed }} | kg/m2 | | Viento | {{ Viento }} | kg/m2 | |  |  |  | | | |  |  |  | | --- | --- | --- | | **Cubierta** | | | | Separación montenes | {{ sepmont }} | m | | Angulo cubierta | {{ angulo }} |  | | Claro | {{ claro }} | m | | Contraflambeos | {{ contraf }} |  | | | | | |  |  |  | | --- | --- | --- | | **Combinación** | | | | Grupo | {{ Grupo }} | | | **Combinación critica** | | | | {{ Combin }} | | | | FCM | | {{ FCM }} | | FCVinst | | {{ FCVins }} | | FCVmax | | {{ FCVmax }} | | FCVmed | | {{ FCVmed }} | | FCVV | | {{ FCVV }} | |  | | | |
| |  |  |  | | --- | --- | --- | | **Esfuerzos** | | | | Mxmax | {{ Mmaxx }} | kg\*m | | Mymax | {{ Mmaxy }} | kg\*m | | Vmax | {{ Vmax }} | kg | | | | |
|  |  | | | |  | |
| **Flexión biaxial** | | | **Cortante** | | | |
| |  |  |  | | --- | --- | --- | | **Cargas** | | | | RMnx | {{ RMnx }} | Kg\*m | | RMny | {{ Rmny }} | Kg\*m | | Φ RMnx | {{ PhiRMnx }} | Kg\*m | | Φ RMny | {{ PhiRmny }} | Kg\*m | | Interacción | {{ Mninterac }} |  | |  |  |  | | | | | |  |  |  | | --- | --- | --- | | **Cargas** | | | | Fcr | {{ FcrV }} | kg | | Vcr | {{ Vcr }} | kg | | Vy | {{ Vy }} | kg | | λv | {{ lam }} |  | | Vn | {{ Vn }} | kg | | ΦV | {{ PhiVn }} | kg | | | |
| **Interacción Flexión-cortante** | | | | |  | |
| |  |  |  | | --- | --- | --- | | **Cargas** | | | | Interacción | {{ Vninter }} |  | |  |  |  | | | | | |  | |
|  | | | | | | |
|  | | **NOTAS** | | |  | |
| *\*\*Norma empleada*  *\*\** | | | | | | |