

6. Result

6. Result for Structural Member

Profile Article		Length	mm	Depth	mm
A =	cm ²	I _x =	cm ⁴	I _y =	cm ⁴
Tributary area	m ²	c _p =		Wind load	kN/m ²

External loads and reaction forces

Shear forces (kN) (ELS)

Wind load	Dead load
Live load	

Bending moment (kN*cm) (ELS)

Wind load	Dead load
Live load	

Deflection (mm)

Wind load	Dead load
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Utilization check

Wx (cm ³)	Ix (cm ⁴)	Wy (cm ³)	Iy (cm ⁴)	σ_{total} (N/mm ²)*
Available				
Required				
Utilization				
Status				

Deflection check

Horizontal	Vertical
L (mm)	
δ (mm)	
$\delta_{allowable}$ (mm)	
Status	