

6. Result

6. Result for Structural Member

Profile article		Length	mm	Depth	mm
A =	cm <sup>2</sup>	I <sub>x</sub> =	cm <sup>4</sup>	I <sub>y</sub> =	cm <sup>4</sup>
Reinforcement		Width	mm	Depth	mm
A =	cm <sup>2</sup>	I <sub>x</sub> =	cm <sup>4</sup>	I <sub>y</sub> =	cm <sup>4</sup>
Tributary area	m <sup>2</sup>	C <sub>p</sub> =			

External load

## Shear forces (kN) (SLS)

Wind load									
Live load									

## Bending moment (kN\*cm)(SLS)

Wind load									
Live load									

## Deflection (mm)

Out-of-plane									
In-plane									

## Utilization check

Profile extrusion				Reinforcement	
Wx (cm <sup>3</sup> )	Ix (cm <sup>4</sup> )	Wy (cm <sup>3</sup> )	Iy (cm <sup>4</sup> )	Wx (cm <sup>3</sup> )	Ix (cm <sup>4</sup> )
Available					
Required					
Utilization					
Status					

## Deflection check

L (mm)	
$\delta$ (mm)	
$\delta_{allowable}$ (mm)	
Status	