6. Result

6.   **Result for Structural Member**

Profile article		**Length**	*mm*	**Depth**	*mm*
A =	*cm²*	**Iₓ =**	*cm⁴*	**Iᵧ =**	*cm⁴*
Reinforcement		**Width**	*mm*	**Depth**	*mm*
A =	*cm²*	**Iₓ =**	*cm⁴*	**Iᵧ =**	*cm⁴*
Tributary area	*m²*	**cₚ =**		**Wind load**	*kN/m²*

Profile article **Length** mm **Depth** mm

$A =$ cm^2 $I_x =$ cm^4 $I_y =$ cm^4

Reinforcement **Width** 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 load

Shear forces (kN) (SLS)

Wind load

Dead load

Live load

Bending moment (kN*cm) (SLS)

Wind load

Dead load

Live load

Deflection (mm)

Wind load

Dead load

Utilization check

	Profile extrusion					Reinforcement	
	Wx (cm³)	Ix (cm⁴)	Wy (cm³)	Iy (cm⁴)	σ_total (N/mm²)*	Wx (cm³)	Wy (cm³)
Available							
Required							
Utlization							
Status							

*σ_{total} is the stress under combined horizontal load (the larger of LC1 and LC2) and vertical load (LC3).

Deflection check

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

SCHÜCO

Project Name:

Location:

Date:

By: