Article No.:

Depth:

Length:

Weight:

Location:

- **Beam data**:

External load:

Position (m)		*Load (kN/m)*		*Load Factor (φ)*		
Start	*End*	*Start*	*End*	*Summer*	*Winter*	*Displacement*

- **Peak Moments**

		kN.m			
		M_{omax}	M_{umax}	M_{vmax}	M_{temp}
Summer	*(1/2) Wind*				
	Thermal				
Winter	*Wind*				
	Thermal				

- **Maximum deflection**:

In-plane

$\delta_y =$

$\delta_{y\_allow} = min\left(\frac{L}{300}, 3\text{mm}\right) =$

$\frac{\delta_y}{\delta_{y\_allow}} =$

Out-of-plane

$\delta_z =$

$\delta_{z\_allow} = min\left(\frac{L}{200}, 15\text{mm}\right) =$

$\frac{\delta_z}{\delta_{z\_allow}} =$

- **Peak stress**:

		N/mm^2				N/mm
		σ_{oo}	σ_{ou}	σ_{uo}	σ_{uu}	T_v
Summer	*(1/2) Wind*					
	Thermal					
	$\Sigma(\sigma_{xx}\Phi)$					
Winter	*Wind*					
	Thermal					
	$\Sigma(\sigma_{xx}\Phi)$					

$(\sigma_{max} / \beta_{0.2}) =$

$T_{max} / (R^S.A2) = \begin{cases} Summer \\ Winter \end{cases}$

$20 / (R^T) = \begin{cases} Summer \\ Winter \end{cases}$

$1.1(T_{vw}+T_{vt})/(R^T.A2) = \begin{cases} Summer \\ Winter \end{cases}$