

1. Door Information

Profile system:

Framing profile:

Weight:

Transom profile:

Weight:

Mullion profile:

Weight:

Glass:

Glass ID

Weight

Makeup

2. Applied Load

Peak velocity pressure (q_p):

kN/m²

Horizontal live load (q_H):

kN/m

Height of horizontal live load:

mm

3. Materials

Aluminum:

0.2% apparent limit of elasticity $\beta_{0.2}$ =

N/mm²

Thermal break:

4. Allowable Deflection

In horizontal direction,

In vertical direction,

5. Results

Member ID	Tributary area (m ²)	Pressure coefficient c_p	Applied wind load (kN/m ²)	Reaction force (kN)			
				A_k	A_d	B_k	B_d

Member ID	Status	Aluminum stress (N/mm ²)		Thermal break shear stress (N/mm)				Deflection (mm)			
				Winter		Summer		Horizontal		Vertical	
		σ_{max}	U_R	T_{max_w}	U_R	T_{max_s}	U_R	δ_{h_max}	U_R	δ_{v_max}	U_R