

Mullion Deflection (Simply supported)

System:

☐ Imperial

☒ Metric

Material:

Aluminum ▾

Design Wind Load:

957.63

Pa

Allowable Deflection = $L/$

175

Mullion span (L) :

3.05

m

Mullion spacing:

1.22

m

Moment of Inertia:

4164777.16

mm⁴



Calculate

Actual Deflection:	4.6	mm
Allowable Deflection:	17.9	mm
Maximum bending moment:	1359	N*m
Reactions: $R1 = R2 =$	1781.67	N

Mullion Deflection (Twin span)

System:

☐ Imperial

☒ Metric

Material:

Aluminum ▾

Design Wind Load:

958

Pa

Allowable Deflection = $L /$

175

Mullion span (L):

3.05

m

Mullion spacing:

1.22

m

Moment of Inertia:

416.23

cm⁴

Section Modulus:

57.35

cm³



Calculate

Actual Deflection:	1.9	mm
Allowable Deflection:	17.4	mm
Maximum bending moment:	1359	N*m
Reactions: $R1 = R3 =$	1337	N
Reaction: $R2 =$	4456	N
Actual Stress:	23697	kPa