Reliance Curtain Wall
STRUCTURAL CHARTS
RELIANCE™ CURTAIN WALL - 1" SYSTEM - WIND LOAD CHARTS

Data is based on deflection limitations in accordance with AAMA TIR-A11 of L/175 up to 13'-6" and L/240 +1/4" above 13'-6", with a maximum deflection of 1 1/4". All curves reflect single span conditions, unless noted otherwise.

These curves reflect the limiting value for mullions with horizontals and are based on allowable windload stress for T6 aluminum (15,000 psi) and A36 steel (20,000 psi).

For special applications not covered by these curves, please consult your local Oldcastle BuildingEnvelope™ facility for assistance.

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RS-23 Steel  
I = 1.707  
S = 0.999

RS-21 Steel  
I = 1.038  
S = 0.692

WW-404  
I = 4.328  
S = 2.123
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**WW-400**

I = 4.801  
S = 1.806

**WW-404**

I = 4.328  
S = 2.123

**WW-410**

I = 7.240  
S = 2.731
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APRIL 2012
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**I = 8.177**  
**S = 3.076**  
**WW-504**

**RS-18 Steel**  
**I = 3.549**  
**S = 1.514**

**PP-16 Steel**  
**I = 2.389**  
**S = 1.124**

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**I = 2.389**  
**S = 0.854**  
**PP-17 Steel**
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I = 8.526
S = 2.557

I = 12.735
S = 3.790

I = 8.177
S = 3.076
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WW-804

I = 35.545
S = 8.441

WW-804

I = 35.545
S = 8.441

WW-201 Alum I-Beam

I = 33.794
S = 8.619

WW-201 Alum I-Beam

I = 33.794
S = 8.619

WW-201 Alum I-Beam

I = 33.794
S = 8.619

RS-20 Steel

I = 6.932
S = 2.773

RS-20 Steel

I = 6.932
S = 2.773

RS-20 Steel

I = 6.932
S = 2.773

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WW-404

WWW-450

WWW-460

I = 4.328
S = 2.123

I = 3.807
S = 1.567

I = 5.692
S = 2.415
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RELIENCE™ CURTAIN WALL - 1" SYSTEM - DEAD LOAD CHARTS

Data is based on maximum deflection of 1/8" at the center of an intermediate horizontal. All curves are calculated for 1" thick insulating glass (6.5 PSF) supported on two setting blocks at 1/4 or 1/8 point loading locations.

These curves are based on allowable windload stress for T6 aluminum (15,000 psi).

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I = 3.450
S = 2.760

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Data is based on maximum deflection of 1/8” at the center of an intermediate horizontal. All curves are calculated for 1/4” thick glass (3.25 PSF) supported on two setting blocks at 1/4 or 1/8 point loading locations.

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