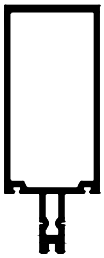
RELIANCE™ WINDOW WALL - 2" SYSTEM - WIND LOAD CHART

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.

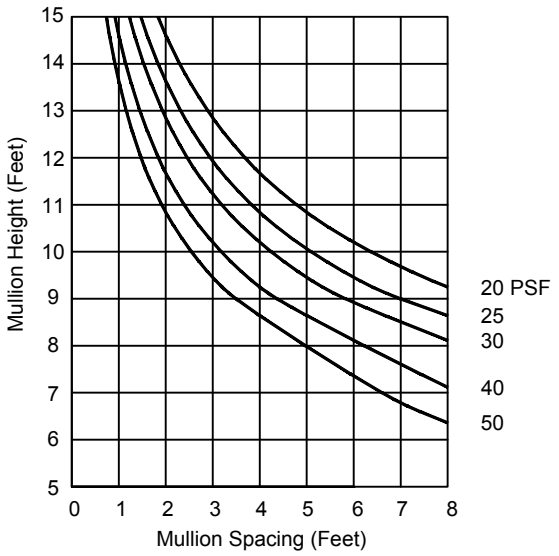
These curves reflect the limiting value for mullions with horizontals and are based on allowable windload stress for T6 aluminum (15,000 psi) and A36 steel (20,000 psi).

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

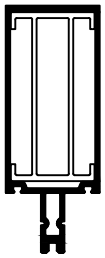
RL-400



I = 4.179
S = 1.617

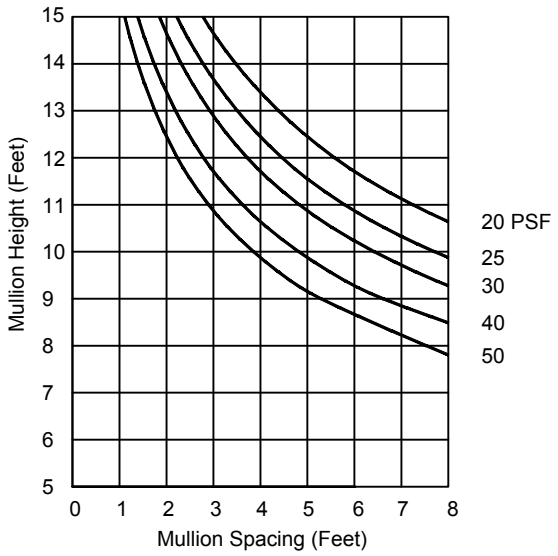


RL-400

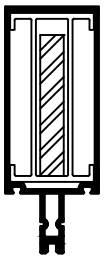


I = 4.179
S = 1.617

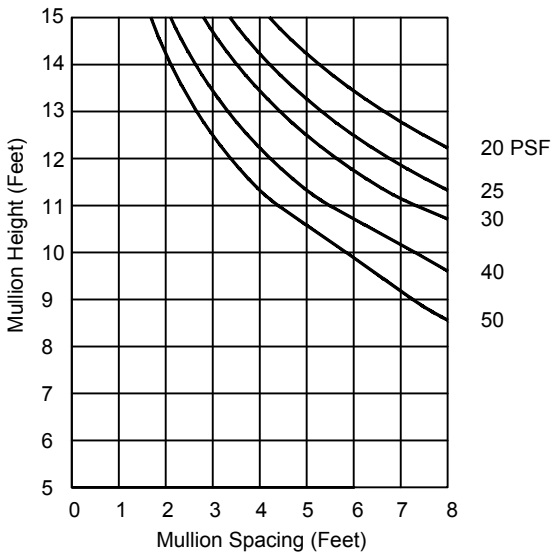
RL192
I = 2.146
S = 1.194



RL-400



I = 4.179
S = 1.617



RL192
I = 2.146
S = 1.194

1/2 x 3 Steel
I = 1.125
S = 0.750

RELIANCE™ WINDOW WALL - 2" SYSTEM - WIND LOAD CHART

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.

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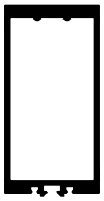
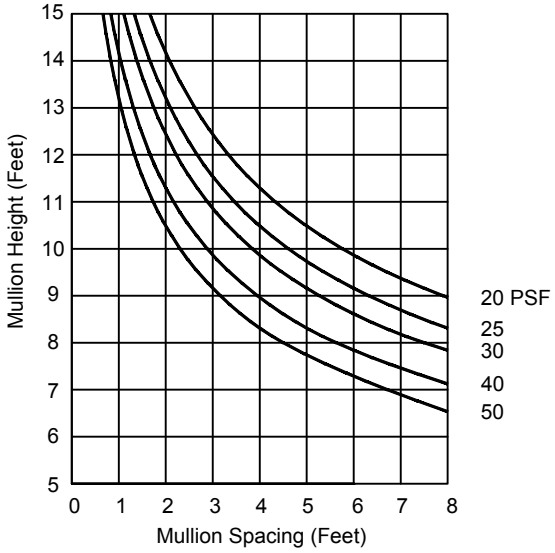
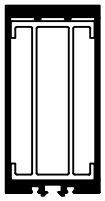
RL-404



I = 3.782
S = 1.734

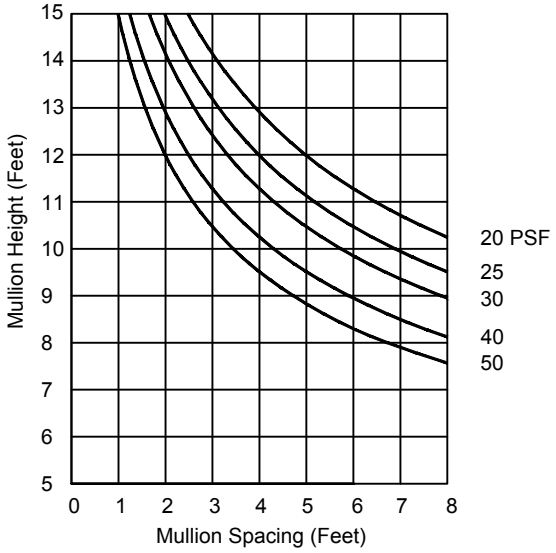


RL-404

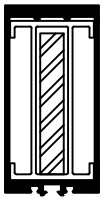


I = 3.782
S = 1.734

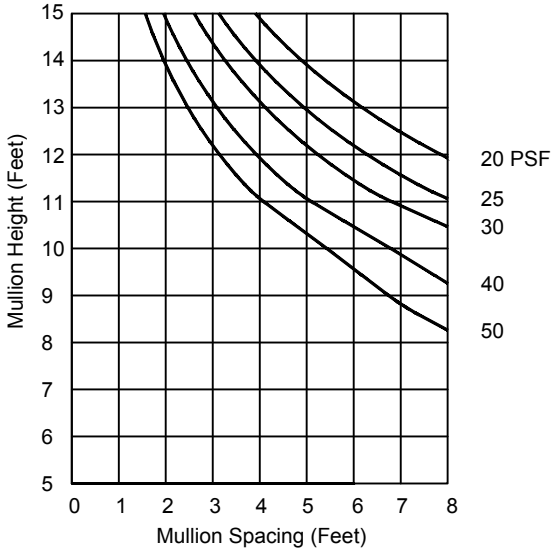
RL193
I = 1.865
S = 1.100



RL-404



I = 3.782
S = 1.734



RL193
I = 1.865
S = 1.100

1/2 x 3 Steel
I = 1.125
S = 0.750

RELIANCE™ WINDOW WALL - 2" SYSTEM - WIND LOAD CHART

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.

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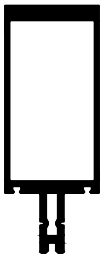
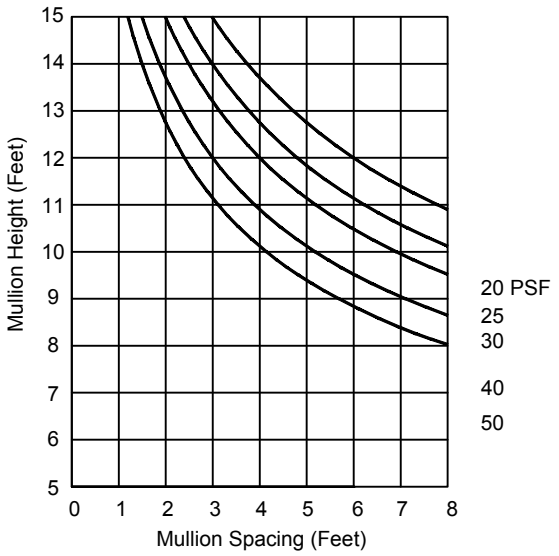
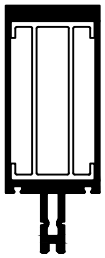
RL-410



I = 6.798
S = 2.917

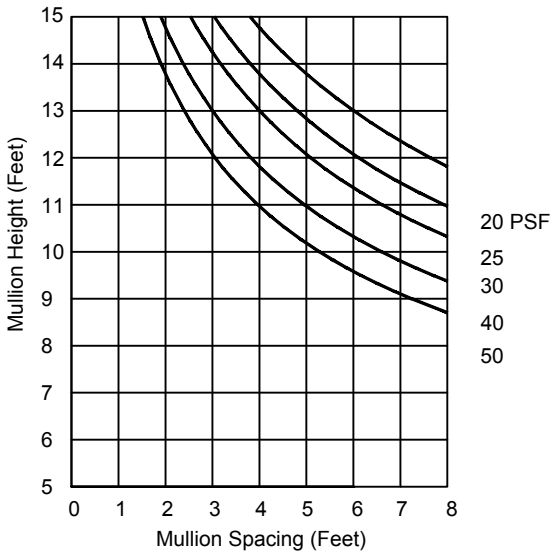


RL-410

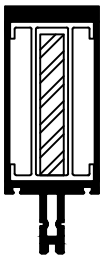


I = 6.798
S = 2.917

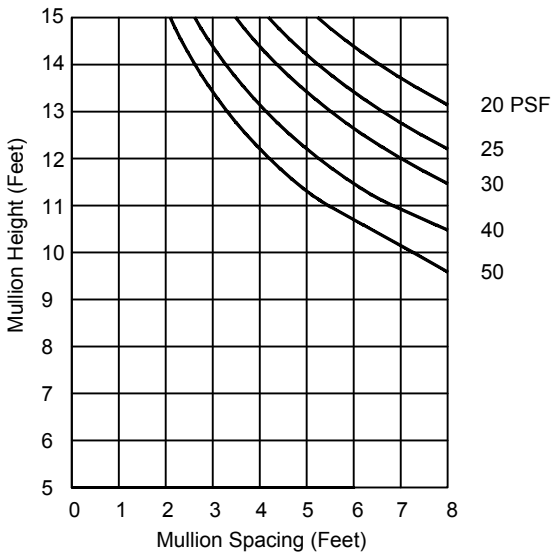
RL193
I = 1.865
S = 1.100



RL-410



I = 6.798
S = 2.917



RL193
I = 1.865
S = 1.100

1/2 x 3 Steel
I = 1.125
S = 0.750

RELIANCE™ WINDOW WALL - 2" SYSTEM - WIND LOAD CHART

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.

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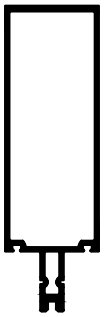
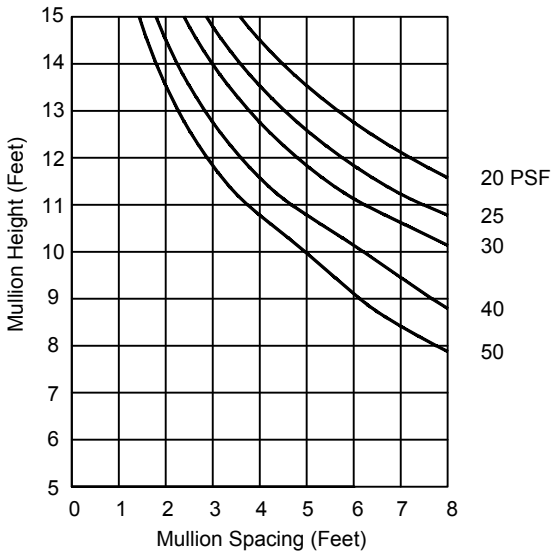
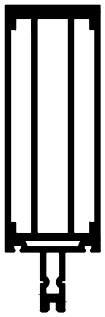
RL-500



I = 8.168
S = 2.483

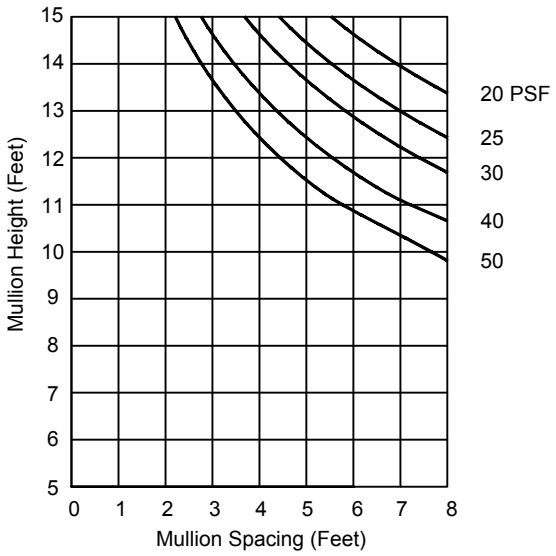


RL-500

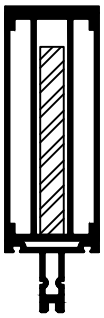


I = 8.168
S = 2.483

RL194
I = 4.430
S = 1.829

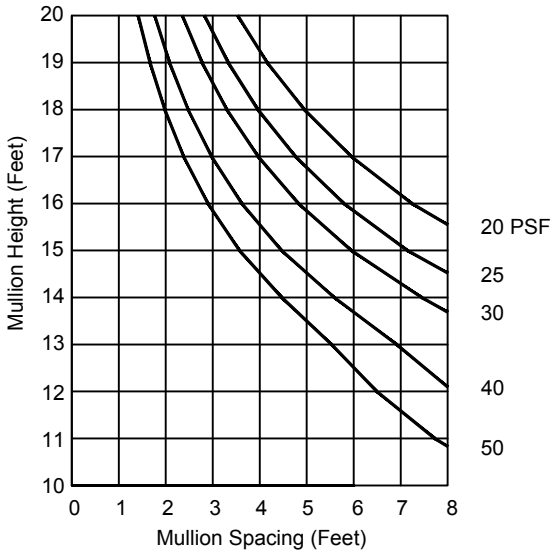


RL-500



I = 8.168
S = 2.483

RL194
I = 4.430
S = 1.829



1/2 x 4 Steel
I = 2.667
S = 1.333

RELIANCE™ WINDOW WALL - 2" SYSTEM - WIND LOAD CHART

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.

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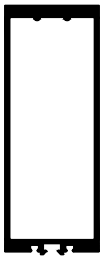
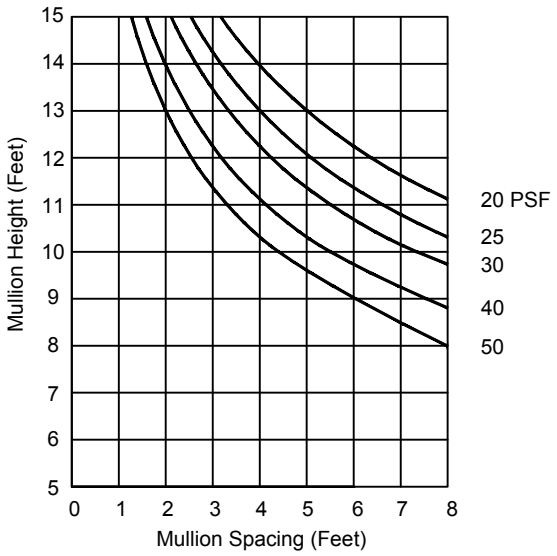
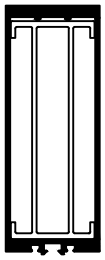
RL-504



I = 7.225
S = 2.555

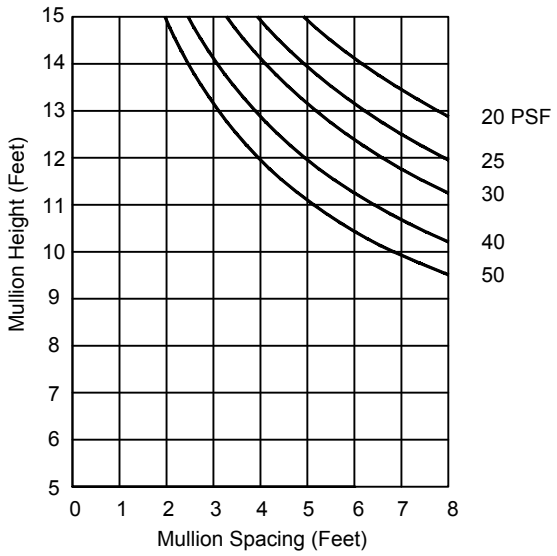


RL-504

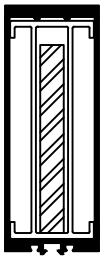


I = 7.225
S = 2.555

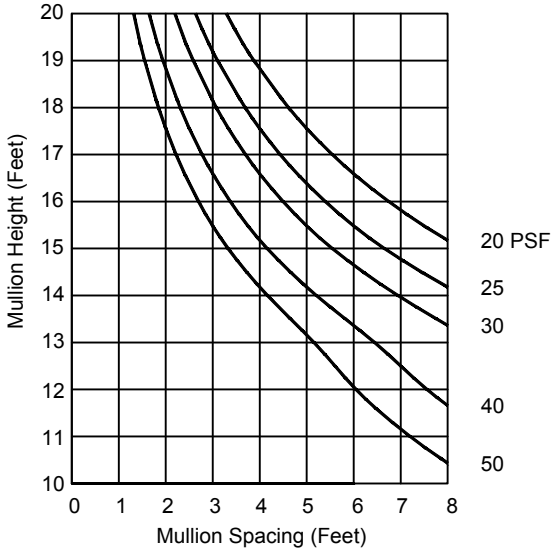
RL195
I = 3.988
S = 1.718



RL-504



I = 7.225
S = 2.555



RL195
I = 3.988
S = 1.718

1/2 x 4 Steel
I = 2.667
S = 1.333

RELIANCE™ WINDOW WALL - 2" SYSTEM - WIND LOAD CHART

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.

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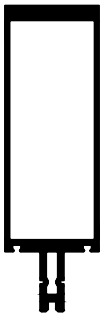
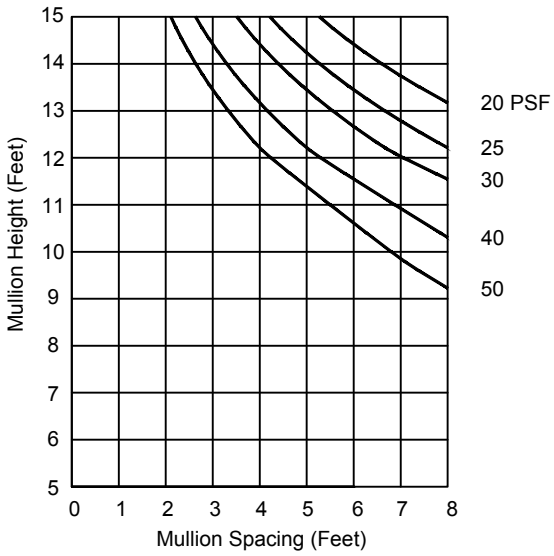
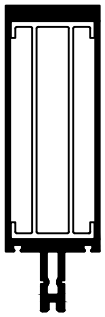
RL-510



I = 12.008
S = 3.400

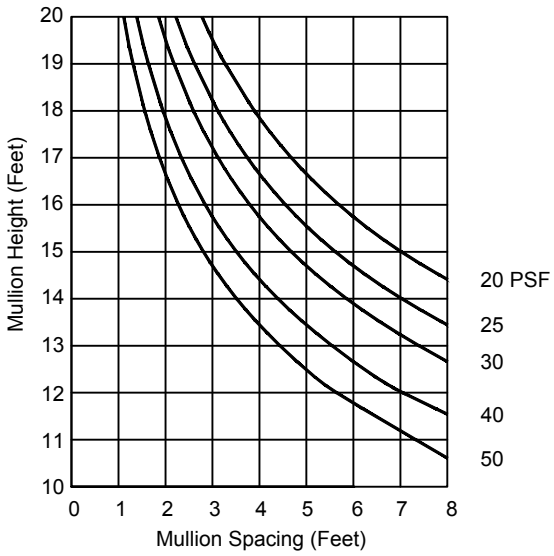


RL-510

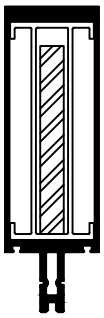


I = 12.008
S = 3.400

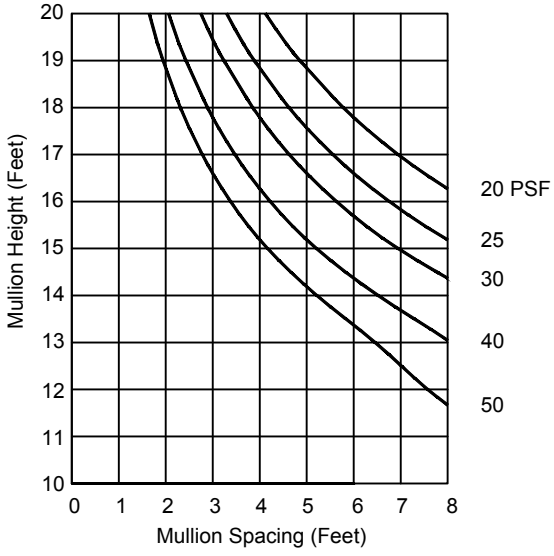
RL195
I = 3.988
S = 1.718



RL-510



I = 12.008
S = 3.400



RL195
I = 3.988
S = 1.718

1/2 x 4 Steel
I = 2.667
S = 1.333

RELIANCE™ WINDOW WALL - 2" SYSTEM - DEAD LOAD CHART

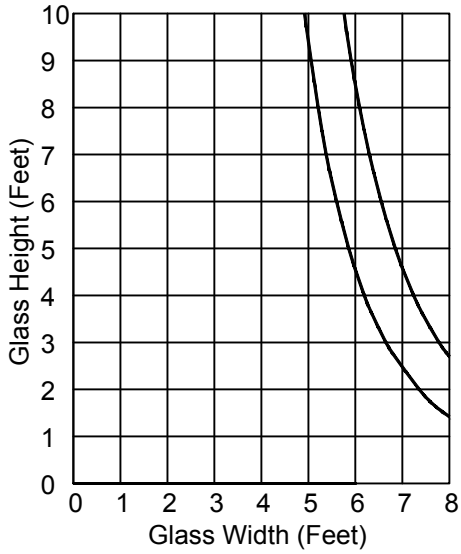
Data is based on maximum deflection of 1/8" at the center of an intermediate horizontal. All curves are calculated for 1" thick insulating glass (6.5 PSF) supported on two setting blocks at 1/4 or 1/8 point loading locations.

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

A 4/3 increase in allowable stress is not reflected in these curves. For special applications not covered by these curves, please consult your local Oldcastle BuildingEnvelope® facility for assistance.

RL-400

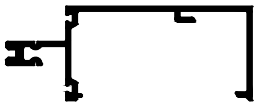
I = 0.757
S = 0.757



1/8 POINT

1/4 POINT

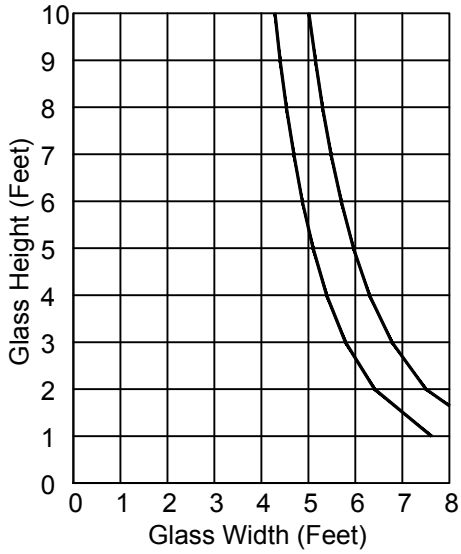
RL-432



I = 0.435
S = 0.333

RL-433

I = 0.447
S = 0.347



1/8 POINT
1/4 POINT

RELIANCE™ WINDOW WALL - 2" SYSTEM - DEAD LOAD CHART

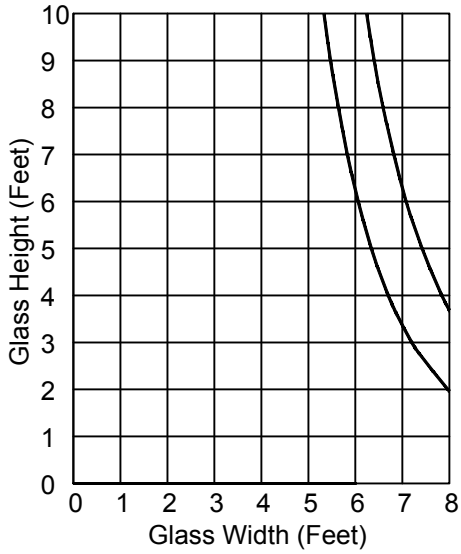
Data is based on maximum deflection of 1/8" at the center of an intermediate horizontal. All curves are calculated for 1" thick insulating glass (6.5 PSF) supported on two setting blocks at 1/4 or 1/8 point loading locations.

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

A 4/3 increase in allowable stress is not reflected in these curves. For special applications not covered by these curves, please consult your local Oldcastle BuildingEnvelope® facility for assistance.

RL-500

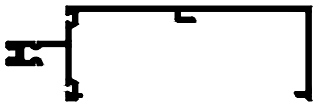
I = 1.039
S = 1.039



1/8 POINT

1/4 POINT

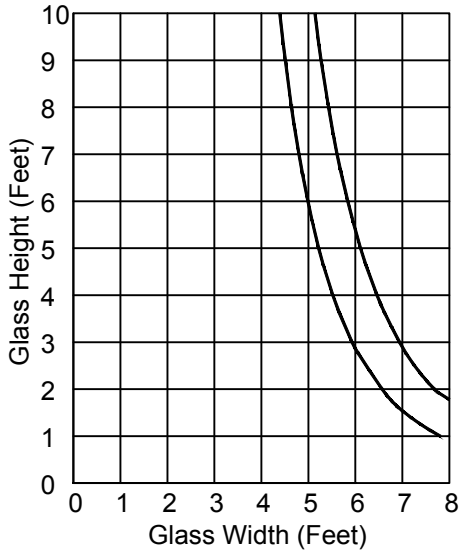
RL-532



I = 0.478
S = 0.350

RL-533

I = 0.493
S = 0.365



1/8 POINT

1/4 POINT