



**Oldcastle** BuildingEnvelope™

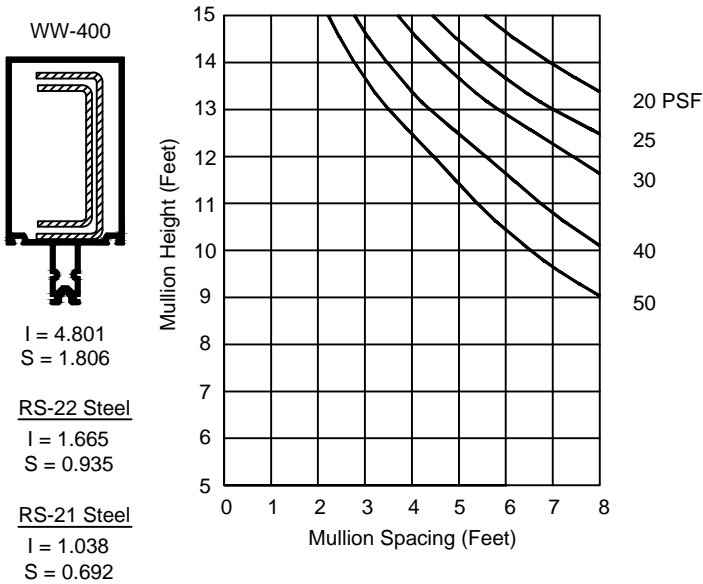
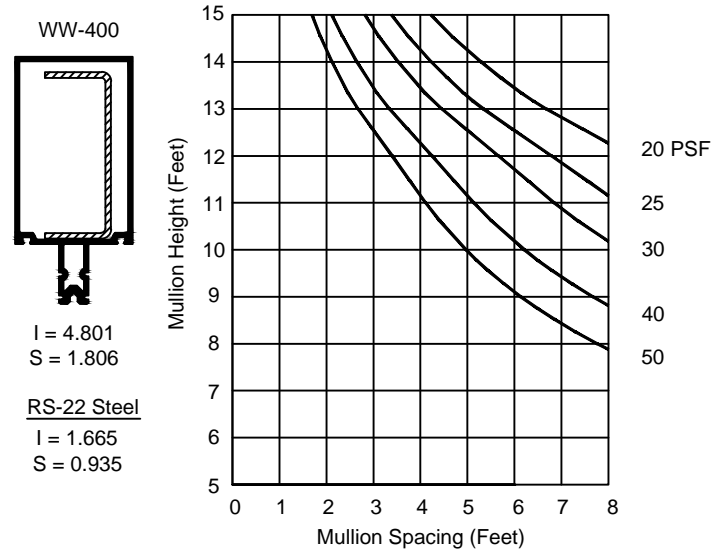
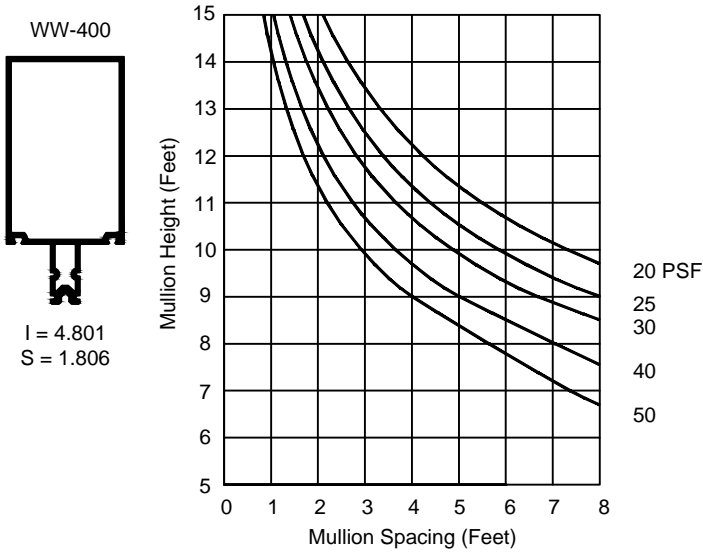
***Reliance Curtain Wall***  
***STRUCTURAL CHARTS***

# 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.

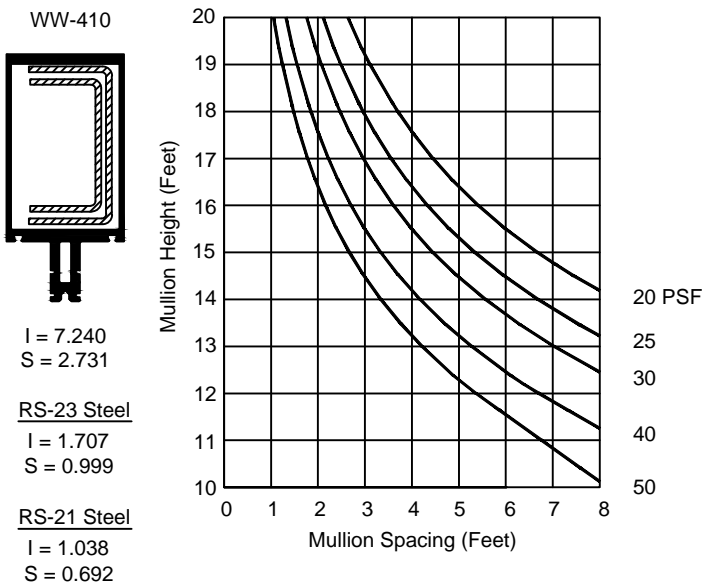
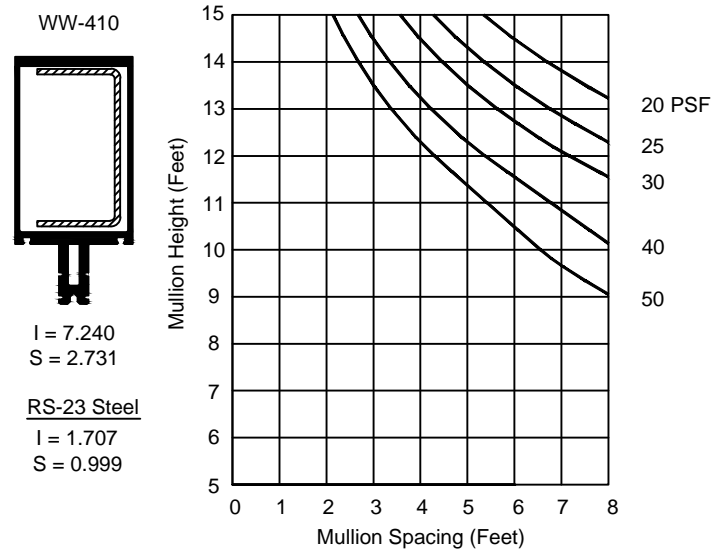
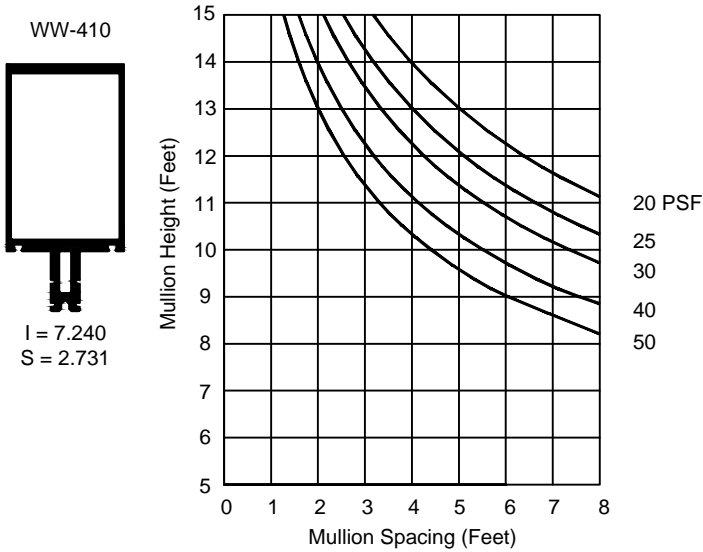


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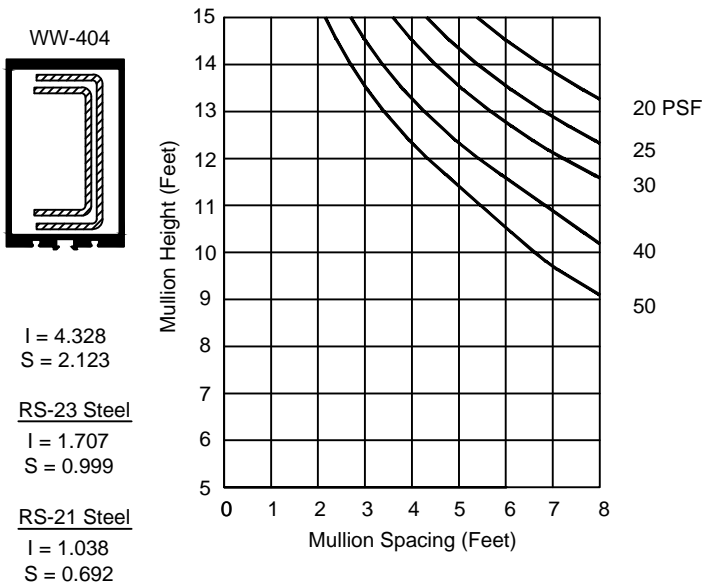
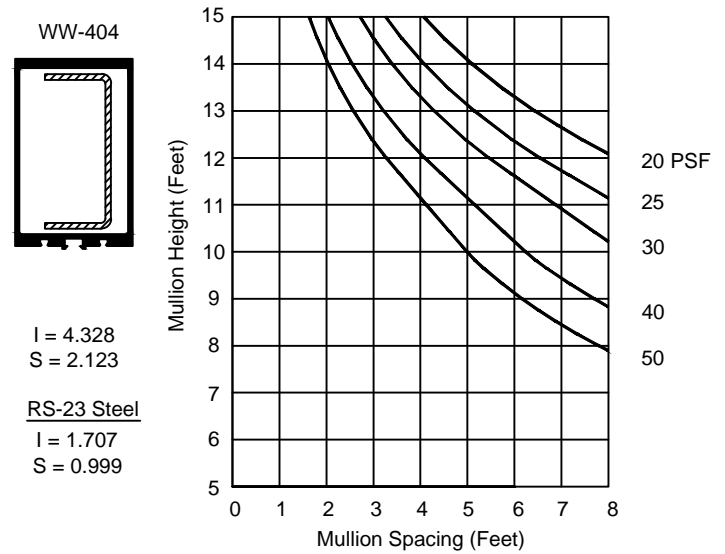
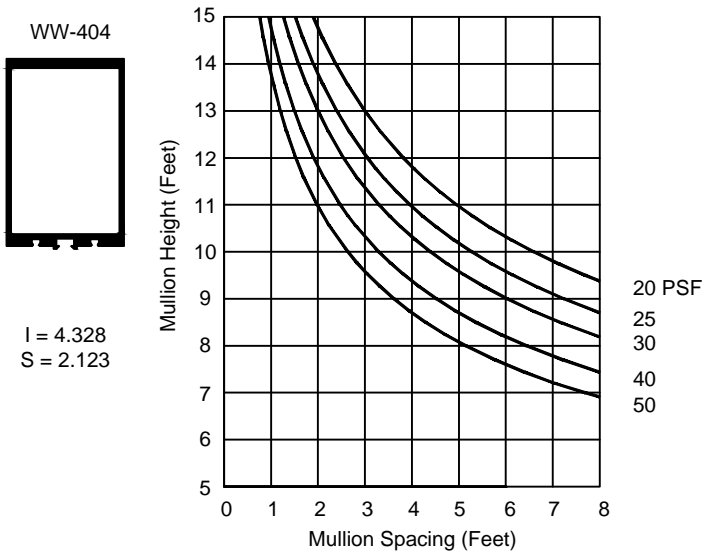


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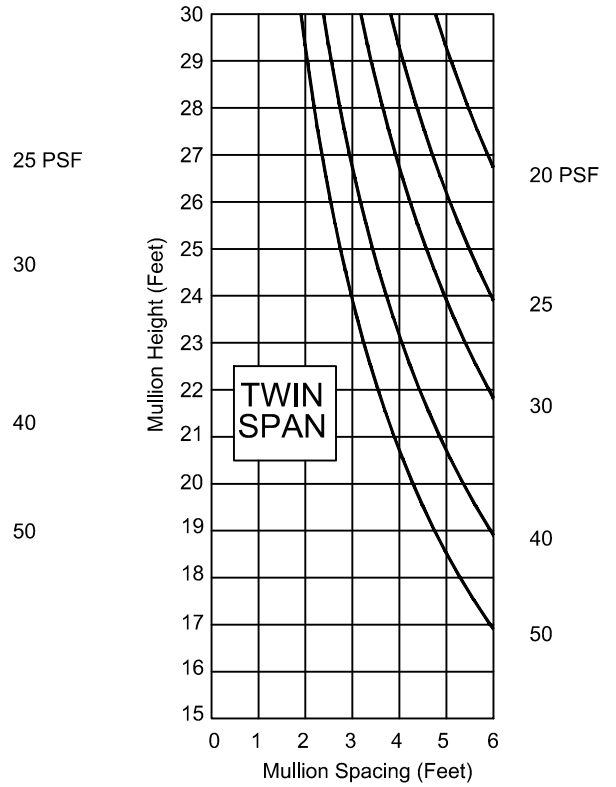
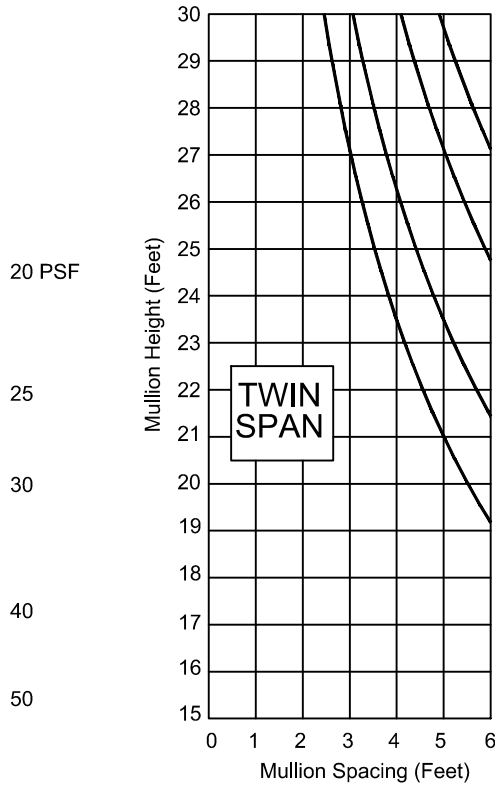
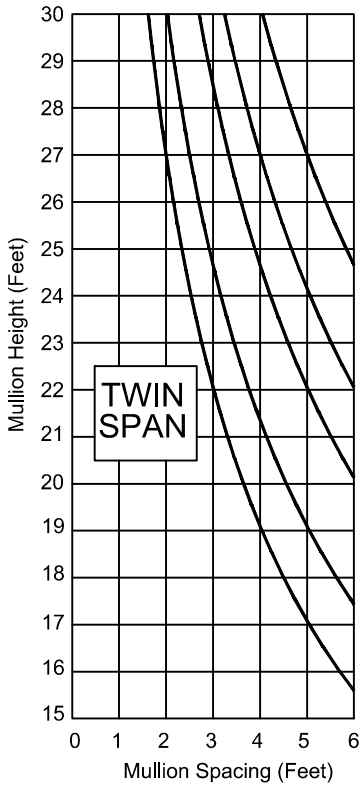


# RELIANCE™ CURTAIN WALL - 1" SYSTEM - WIND LOAD CHARTS

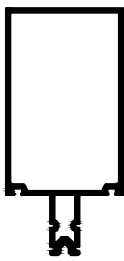
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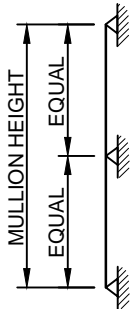
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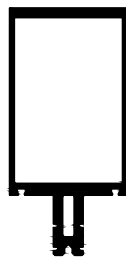
WW-400



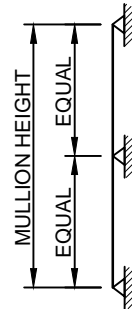
I = 4.801  
S = 1.806



WW-410



I = 7.240  
S = 2.731



WW-404



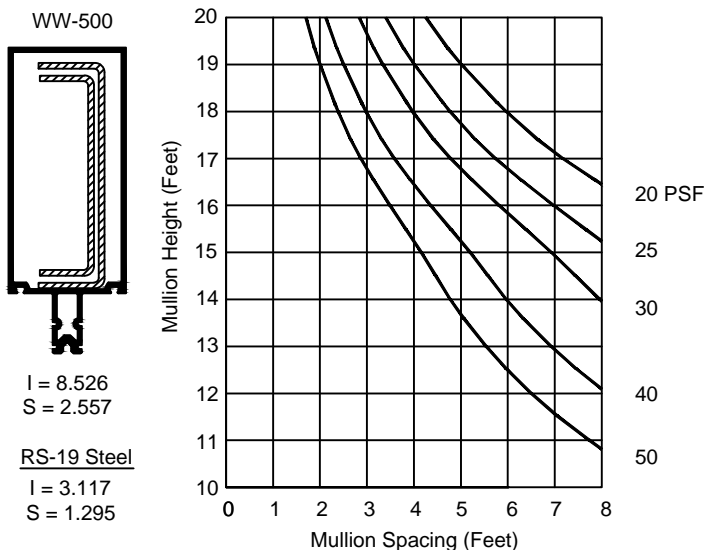
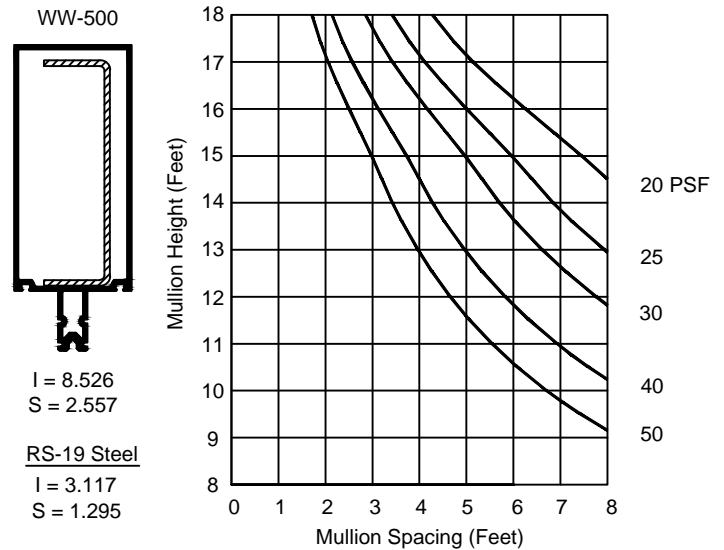
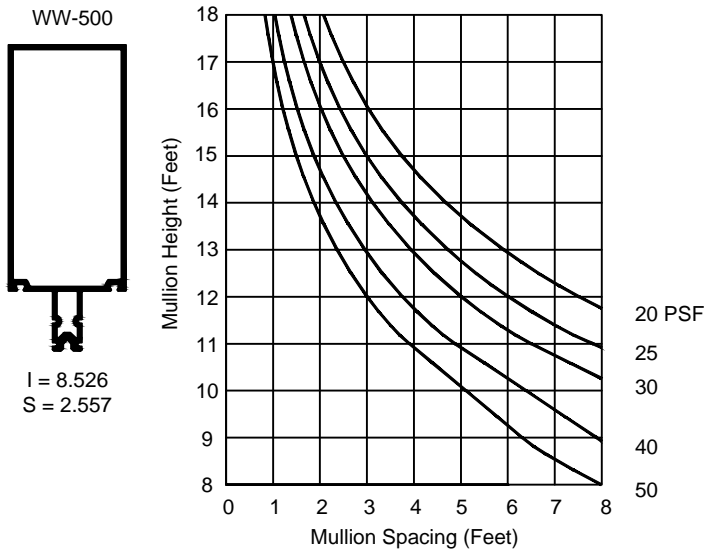
I = 4.328  
S = 2.123

# RELIANCE™ CURTAIN WALL - 1" SYSTEM - WIND LOAD CHARTS

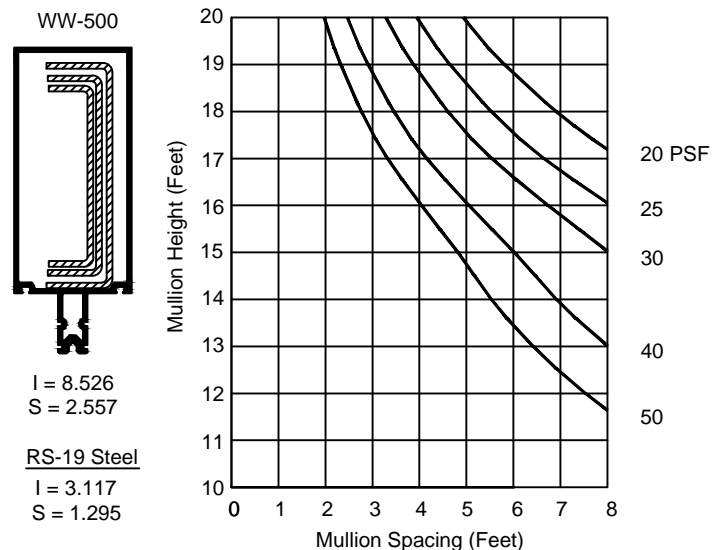
Data is based on deflection limitations in accordance with AAMA TIR-A11 of L/175 up to 13'-6" and L/240 +1/4" above 13'-6", with a maximum deflection of 1 1/4". All curves reflect single span conditions, unless noted otherwise.

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



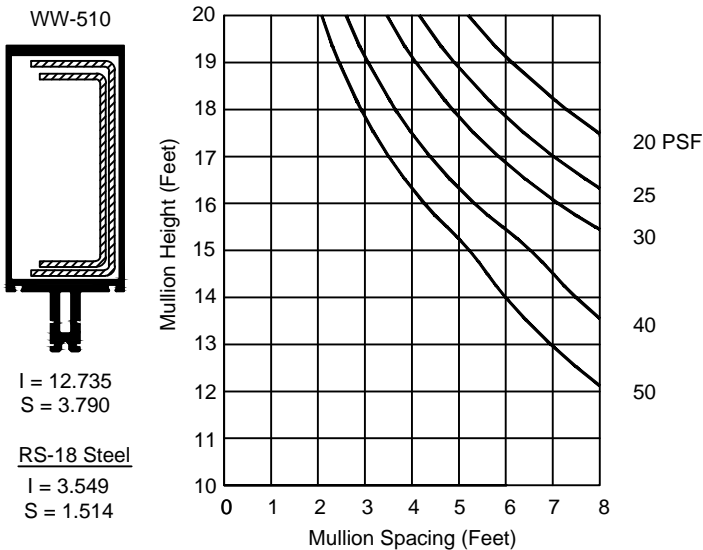
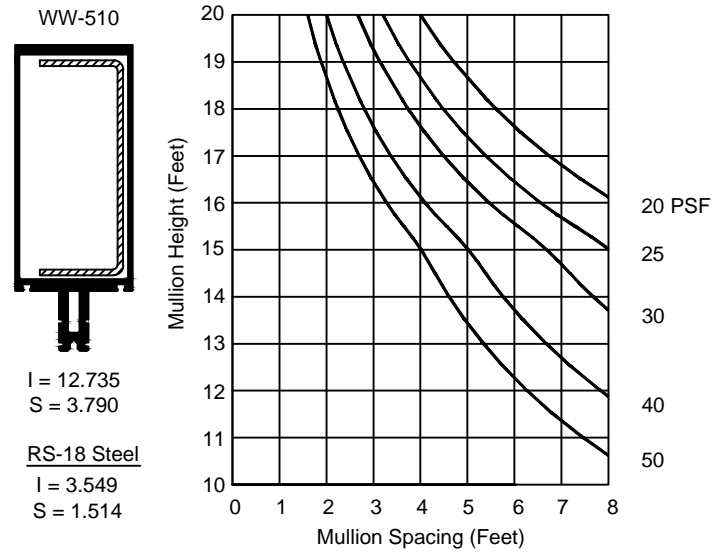
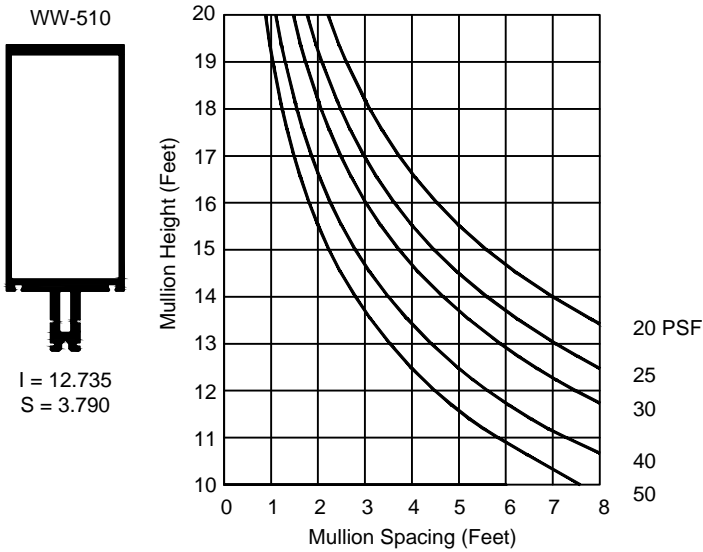
PP-16 Steel PP-17 Steel  
 $I = 2.389$   $I = 1.602$   
 $S = 1.124$   $S = 0.854$

# RELIANCE™ CURTAIN WALL - 1" SYSTEM - WIND LOAD CHARTS

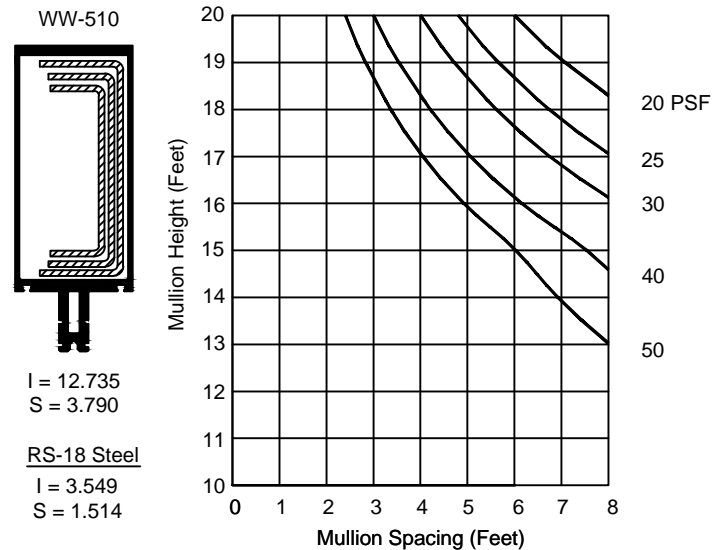
Data is based on deflection limitations in accordance with AAMA TIR-A11 of L/175 up to 13'-6" and L/240 +1/4" above 13'-6", with a maximum deflection of 1 1/4". All curves reflect single span conditions, unless noted otherwise.

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



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

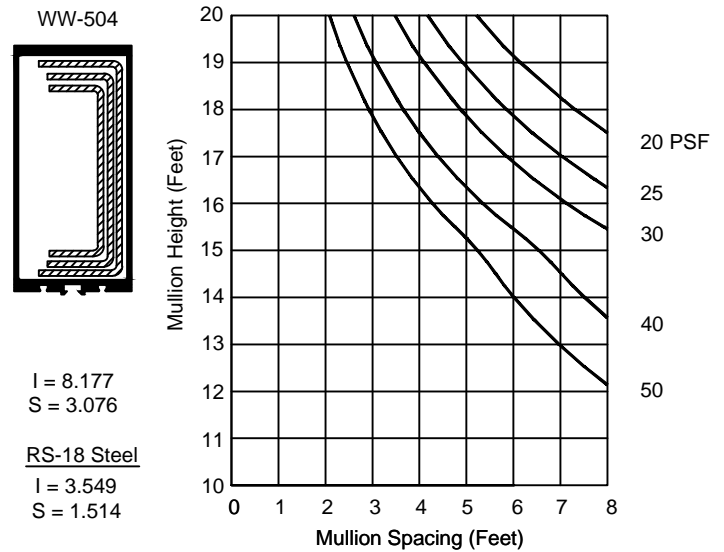
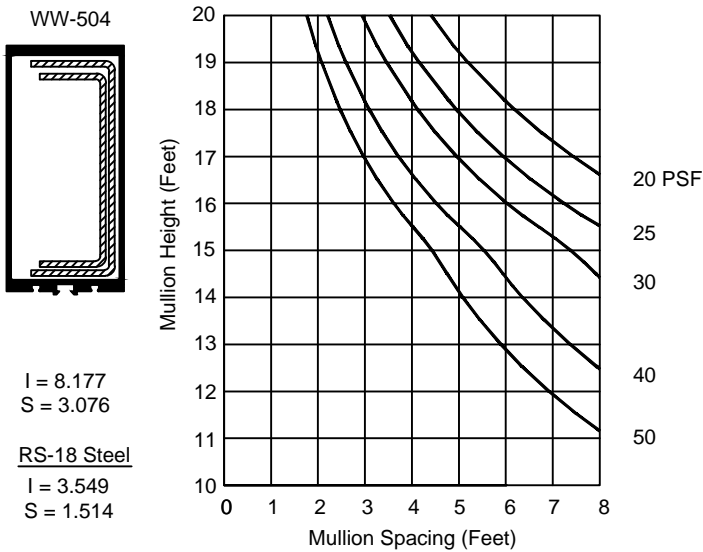
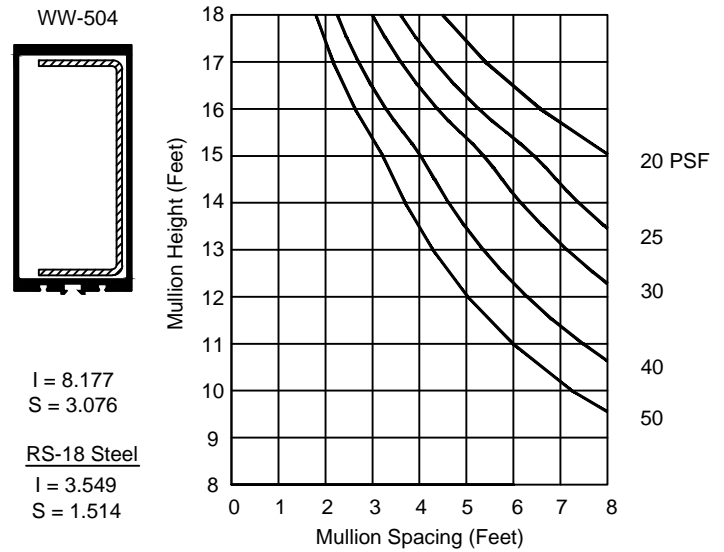
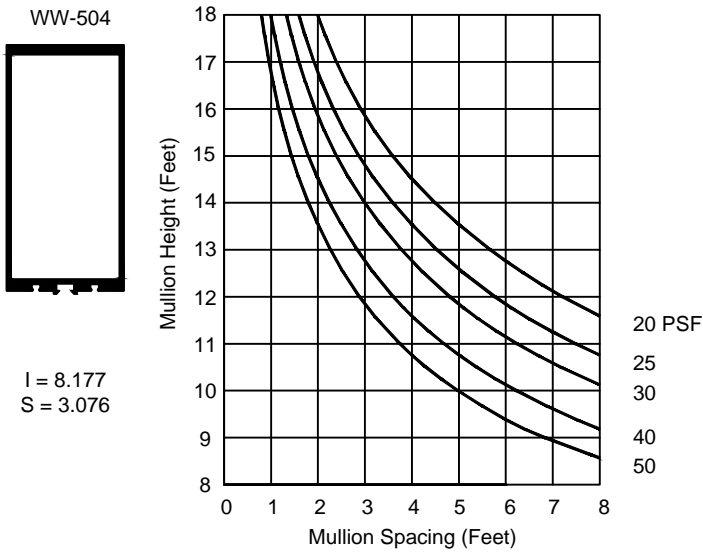
PP-17 Steel  
 $I = 1.602$   
 $S = 0.854$

# RELIANCE™ CURTAIN WALL - 1" SYSTEM - WIND LOAD CHARTS

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PP-16 Steel  
I = 2.389  
S = 1.124

PP-16 Steel  
I = 2.389  
S = 1.124

PP-17 Steel  
I = 1.602  
S = 0.854

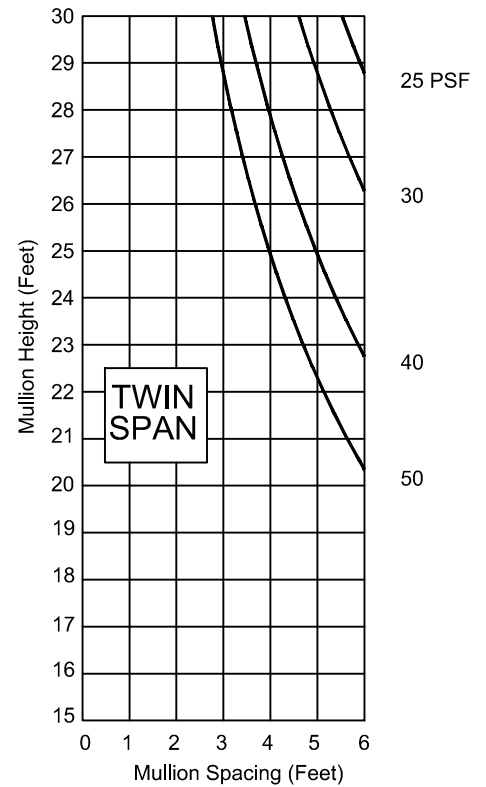
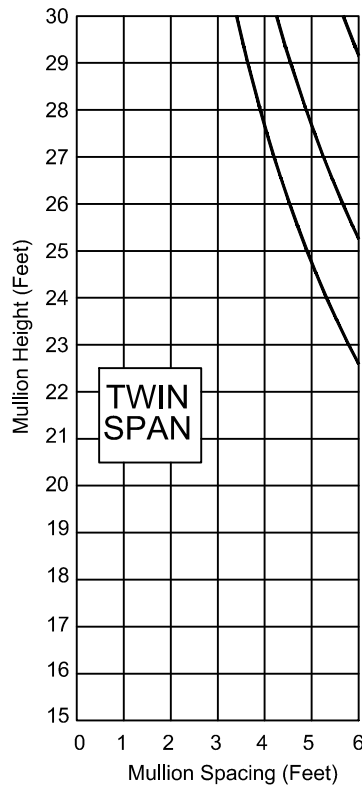
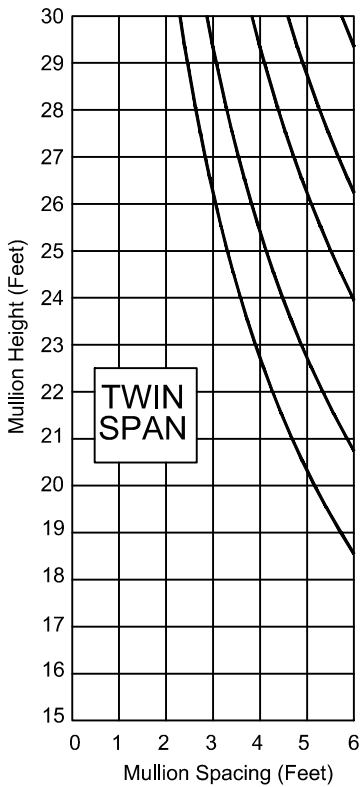


# RELIANCE™ CURTAIN WALL - 1" SYSTEM - WIND LOAD CHARTS

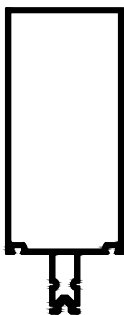
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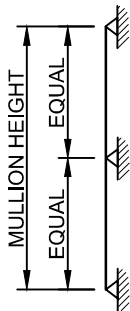
For special applications not covered by these curves, please consult your local Oldcastle BuildingEnvelope™ facility for assistance.



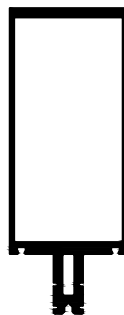
WW-500



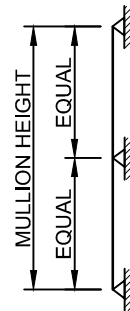
I = 8.526  
S = 2.557



WW-510



I = 12.735  
S = 3.790



WW-504



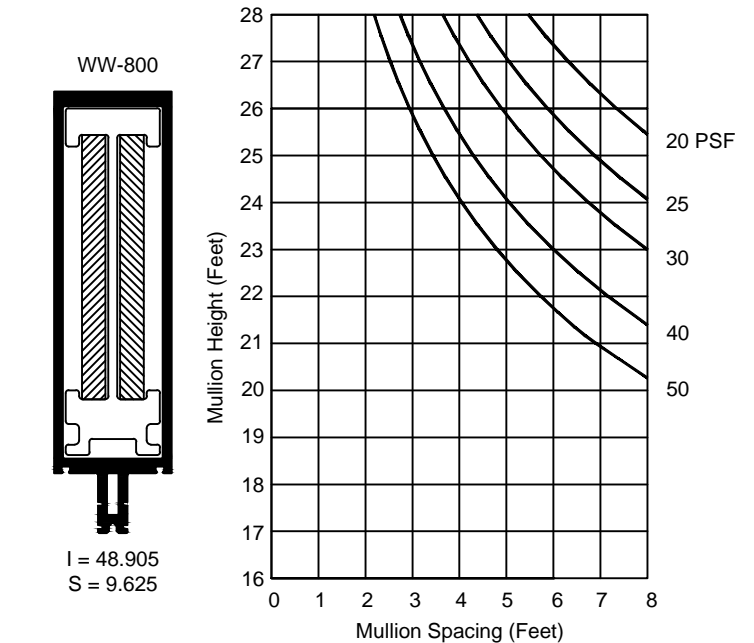
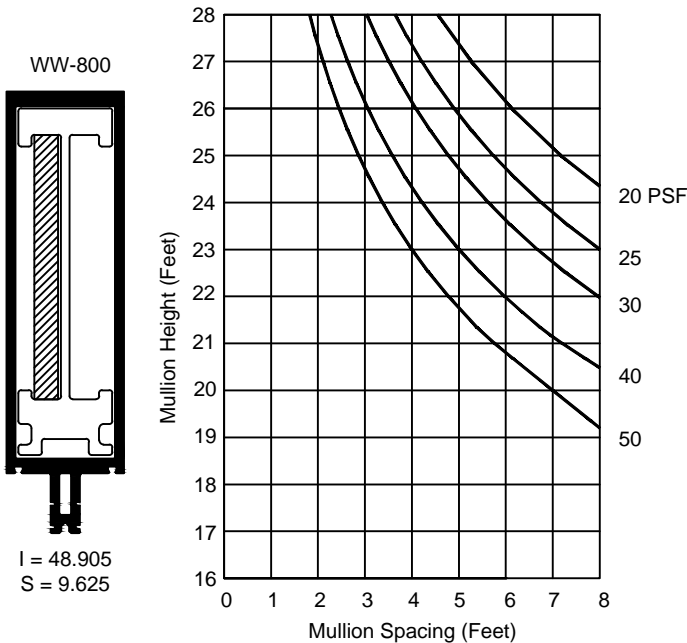
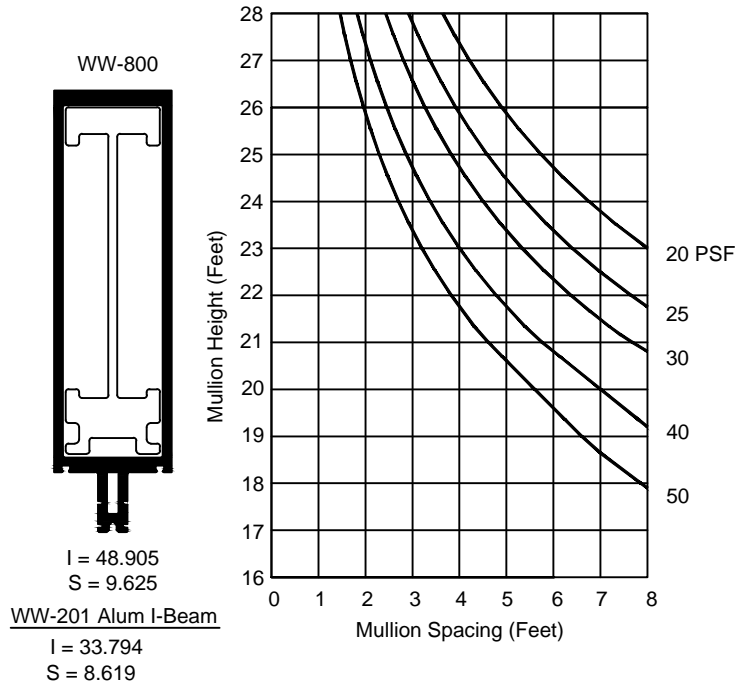
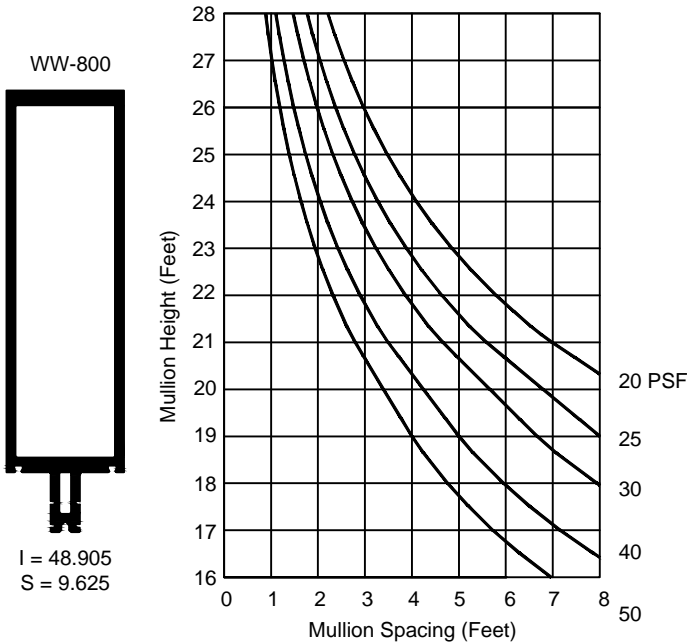
I = 8.177  
S = 3.076

# RELIANCE™ CURTAIN WALL - 1" SYSTEM - WIND LOAD CHARTS

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WW-201 Alum I-Beam

RS-20 Steel

WW-201 Alum I-Beam

RS-20 Steel

RS-20 Steel

I = 33.794  
S = 8.619

I = 6.932  
S = 2.520

I = 33.794  
S = 8.619

I = 6.932  
S = 2.520

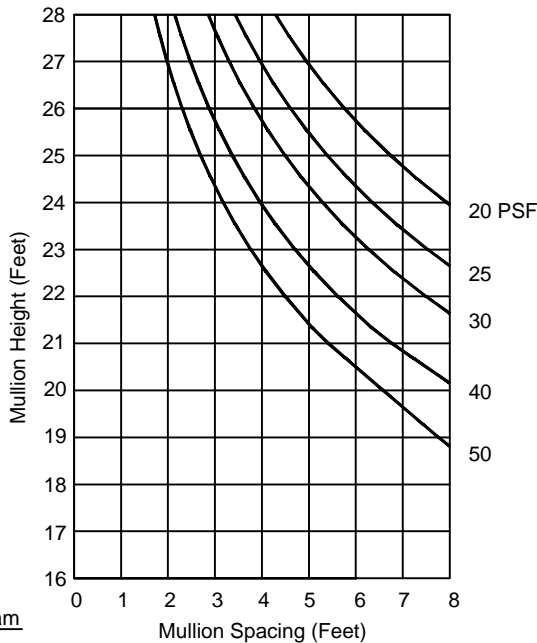
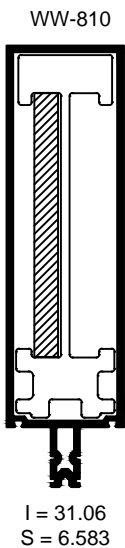
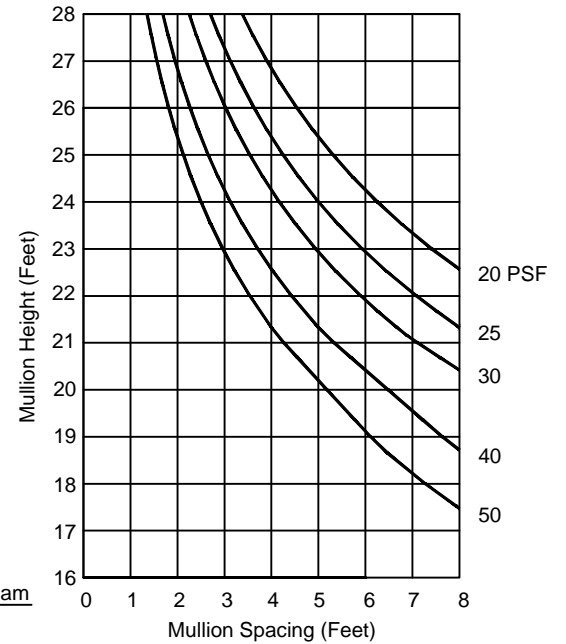
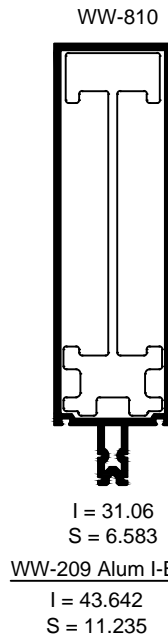
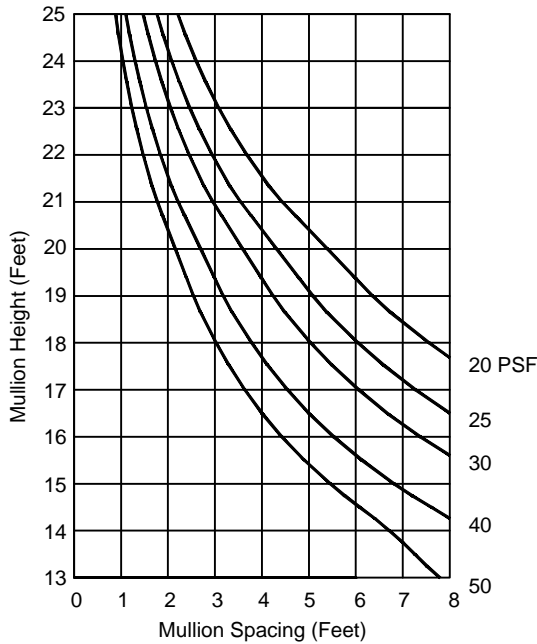
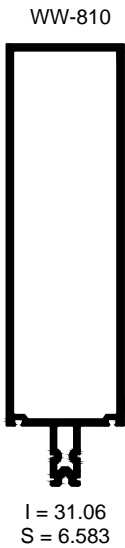
I = 6.932  
S = 2.520

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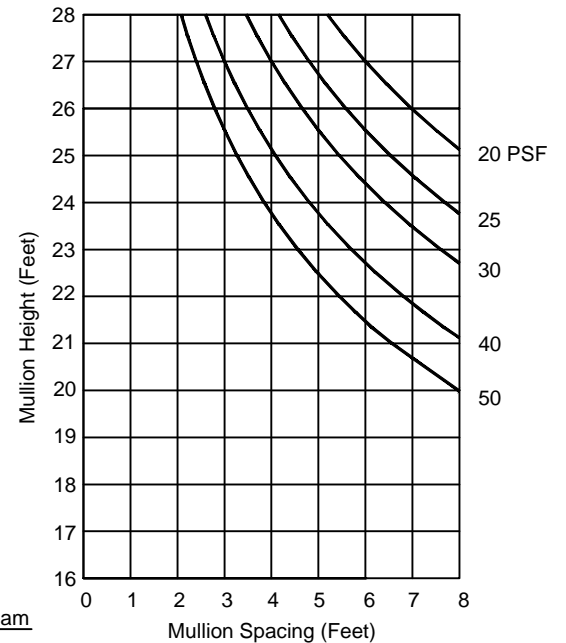
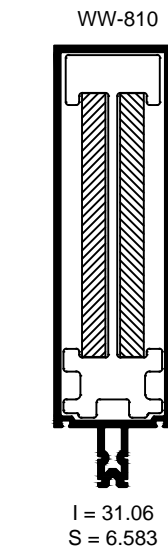
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WW-209 Alum I-Beam  
I = 43.642  
S = 11.235

RS-20 Steel  
I = 6.932  
S = 2.520



WW-209 Alum I-Beam  
I = 43.642  
S = 11.235

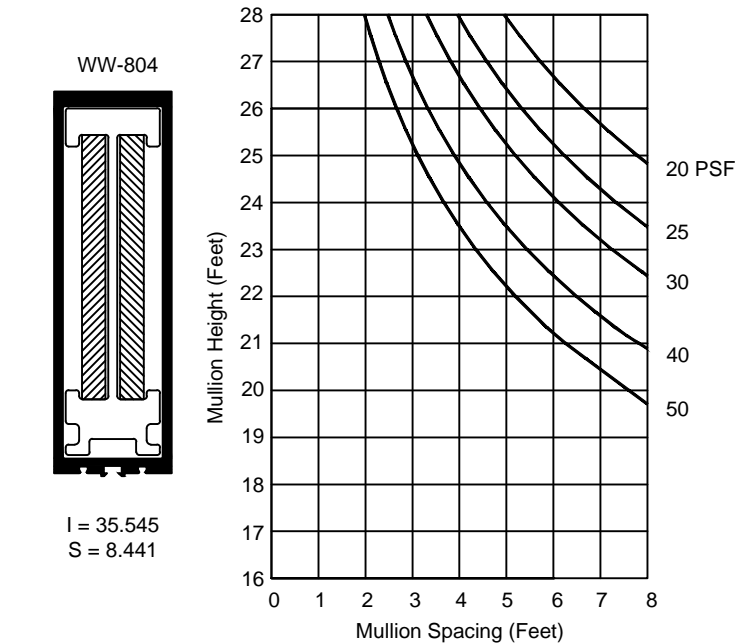
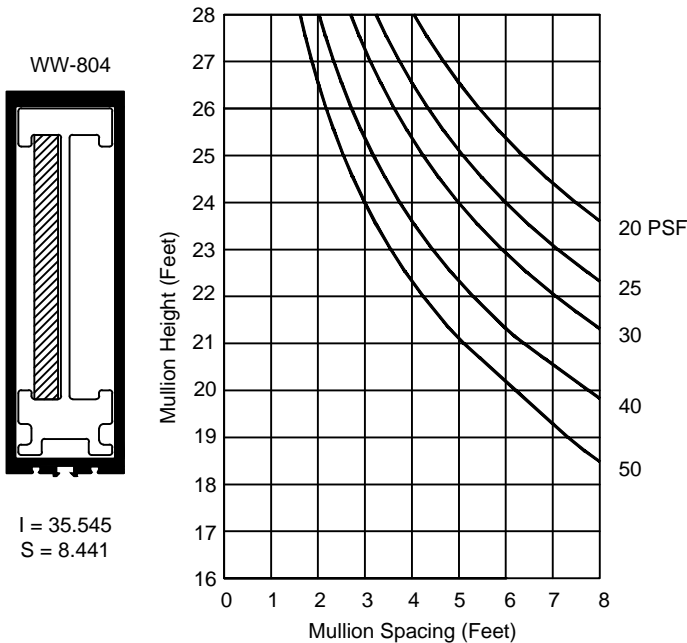
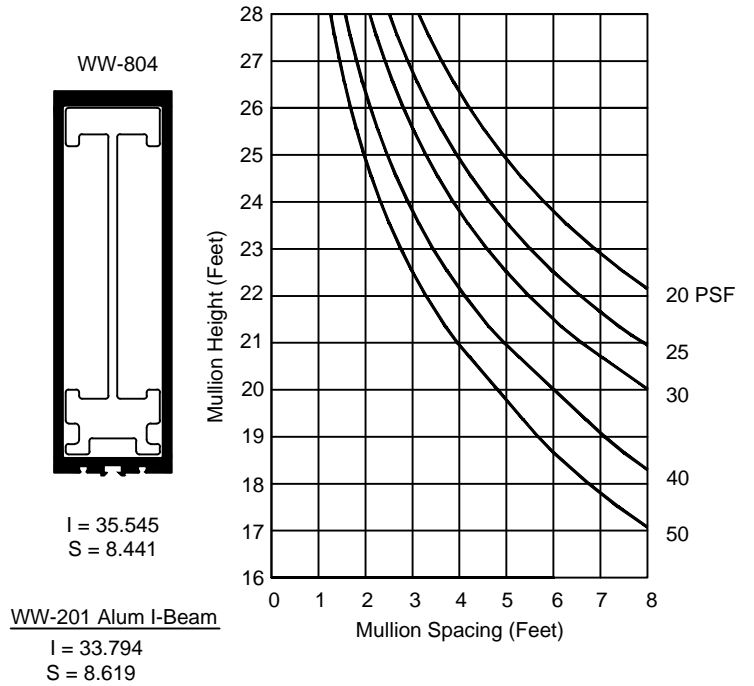
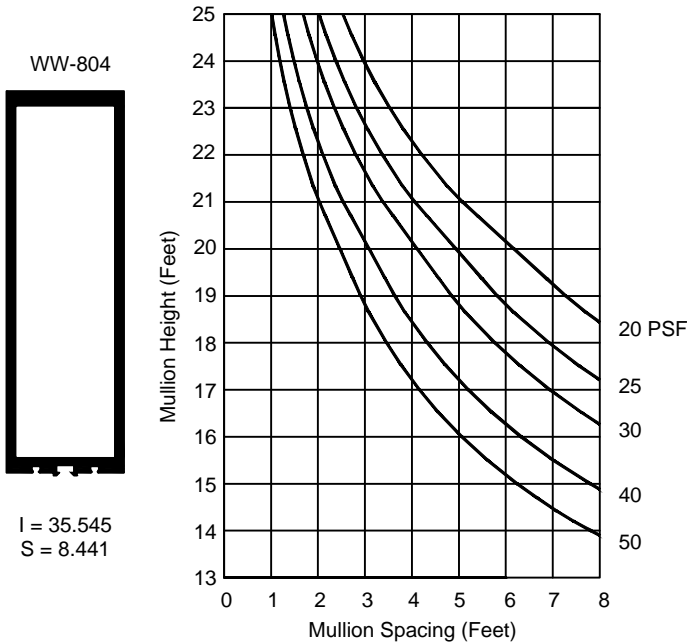
RS-20 Steel    RS-20 Steel  
I = 6.932        I = 6.932  
S = 2.520        S = 2.520

# 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.

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WW-201 Alum I-Beam

RS-20 Steel

WW-201 Alum I-Beam

RS-20 Steel

RS-20 Steel

I = 33.794  
S = 8.619

I = 6.932  
S = 2.773

I = 33.794  
S = 8.619

I = 6.932  
S = 2.773

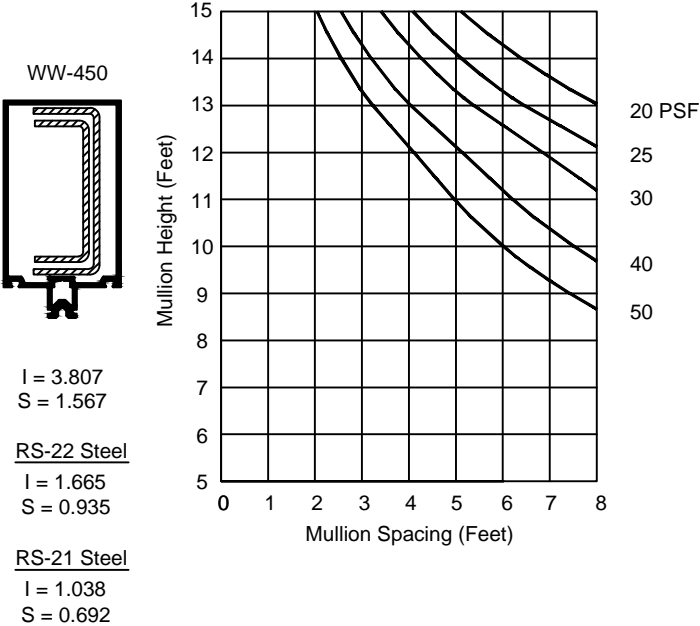
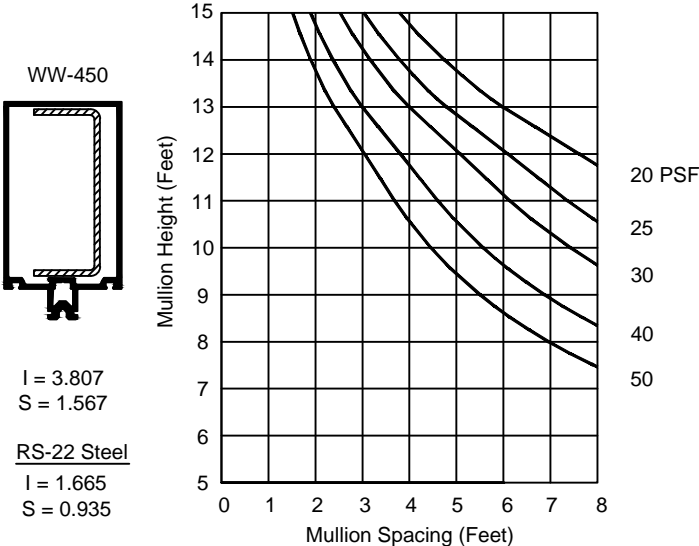
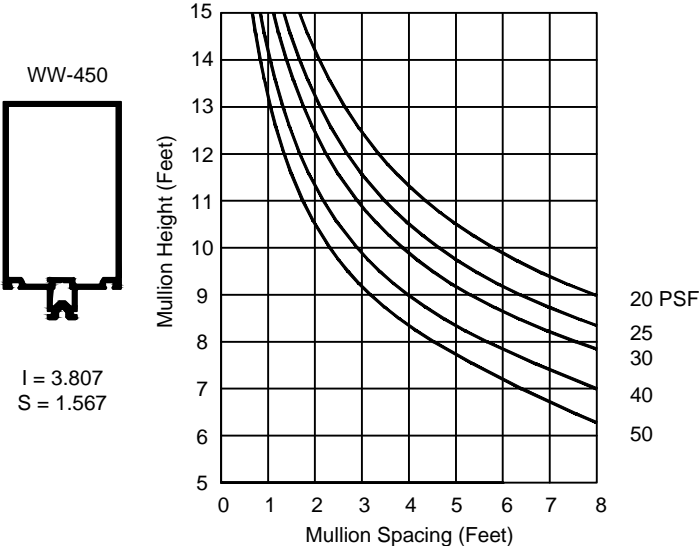
I = 6.932  
S = 2.773

# RELIANCE™ CURTAIN WALL - 1/4" 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).

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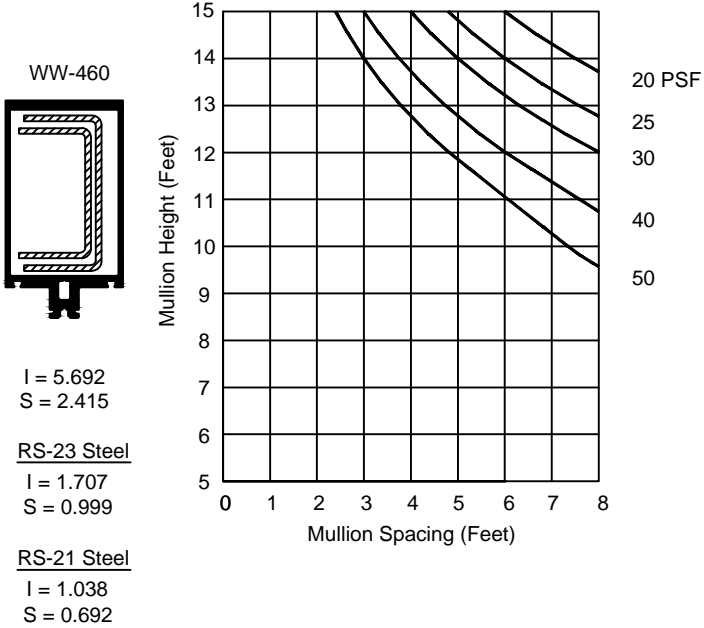
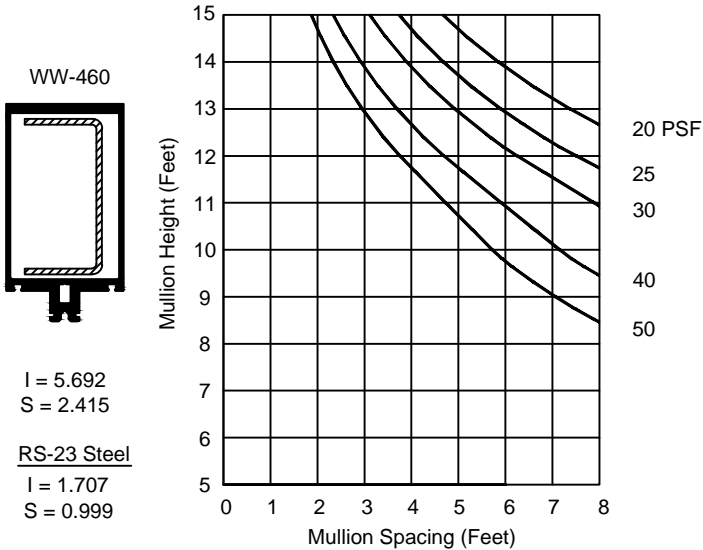
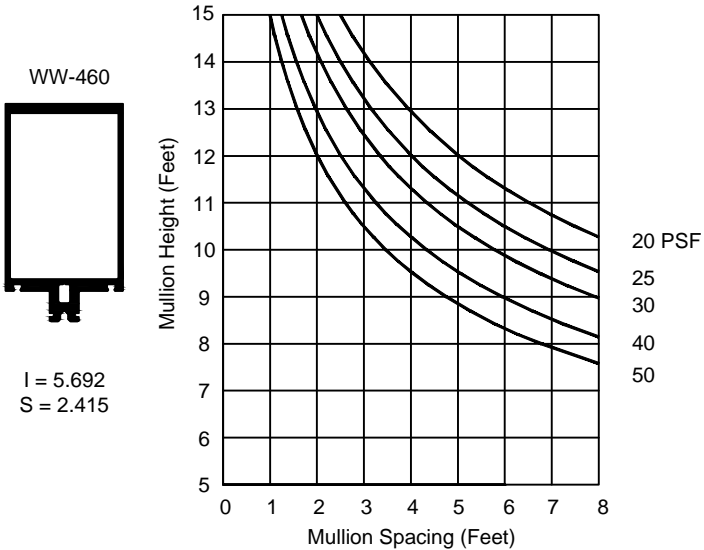


# RELIANCE™ CURTAIN WALL - 1/4" SYSTEM - WIND LOAD CHARTS

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.

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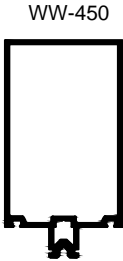
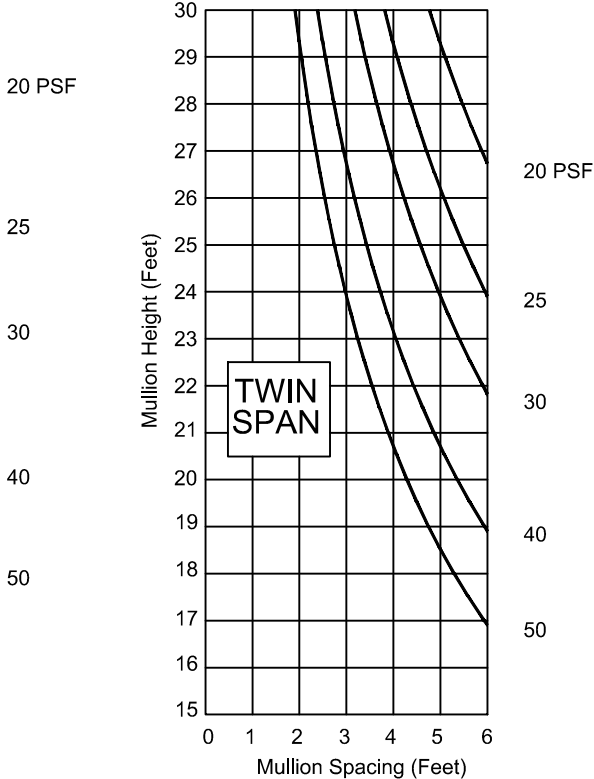
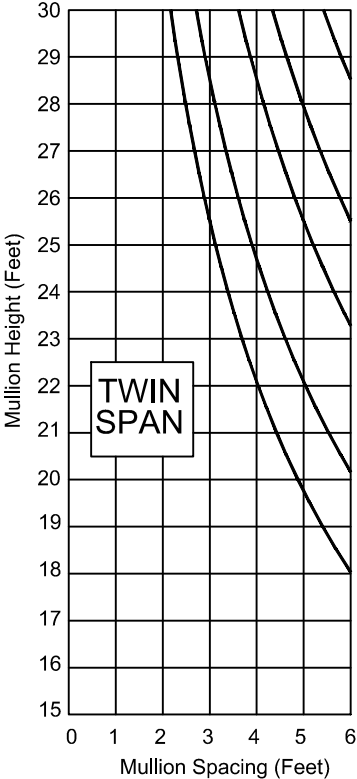
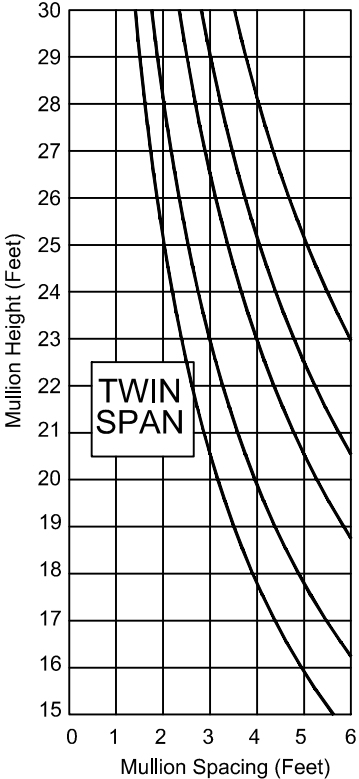


# RELIANCE™ CURTAIN WALL - 1/4" SYSTEM - WIND LOAD CHARTS

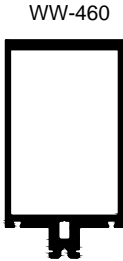
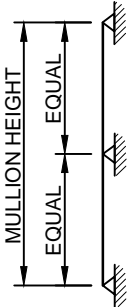
Data is based on deflection limitations in accordance with AAMA TIR-A11 of L/175 up to 13'-6" and L/240 +1/4" above 13'-6", with a maximum deflection of 1 1/4". All curves reflect single span conditions, unless noted otherwise.

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).

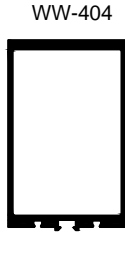
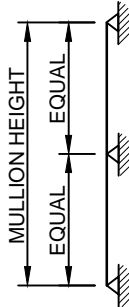
For special applications not covered by these curves, please consult your local Oldcastle BuildingEnvelope™ facility for assistance.



I = 3.807  
S = 1.567



I = 5.692  
S = 2.415



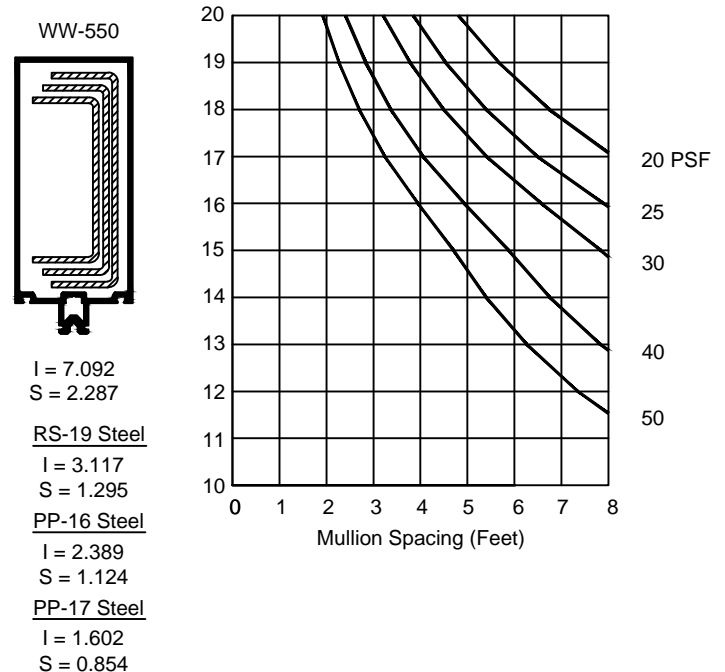
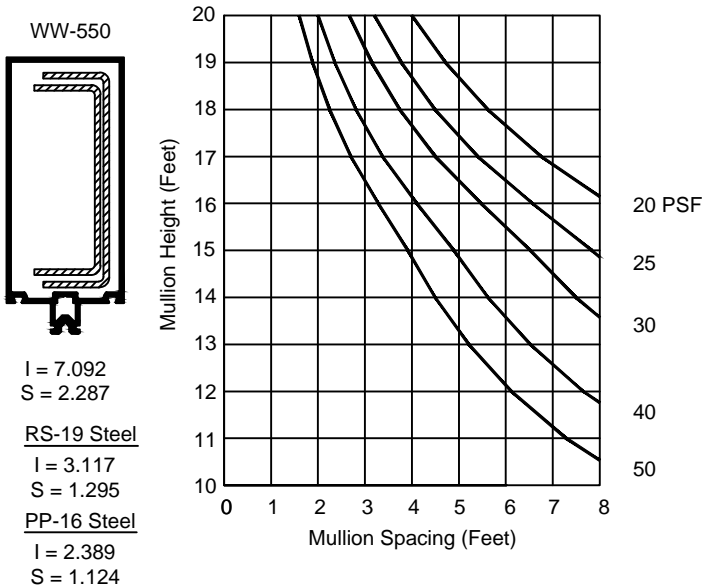
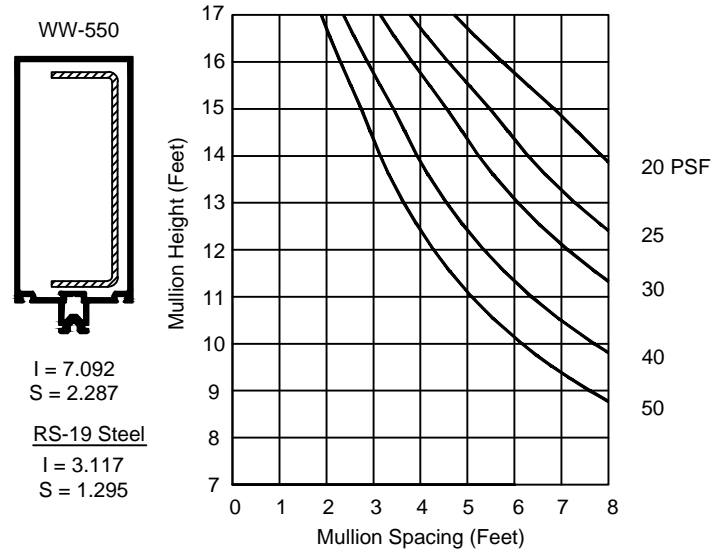
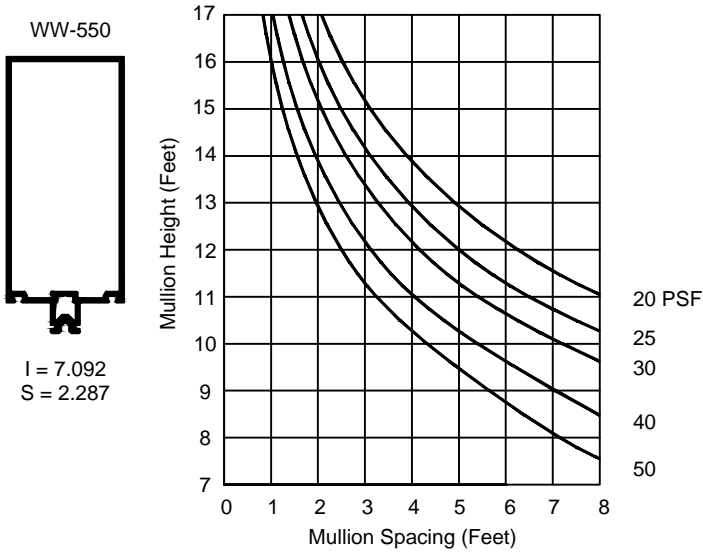
I = 4.328  
S = 2.123

# RELIANCE™ CURTAIN WALL - 1/4" 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.



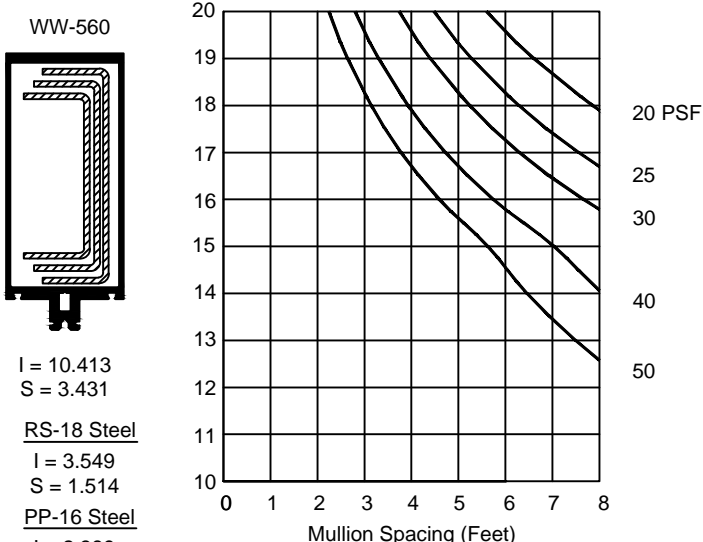
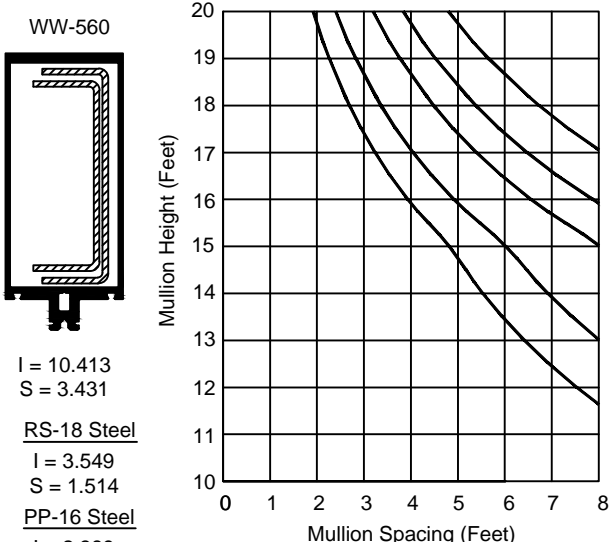
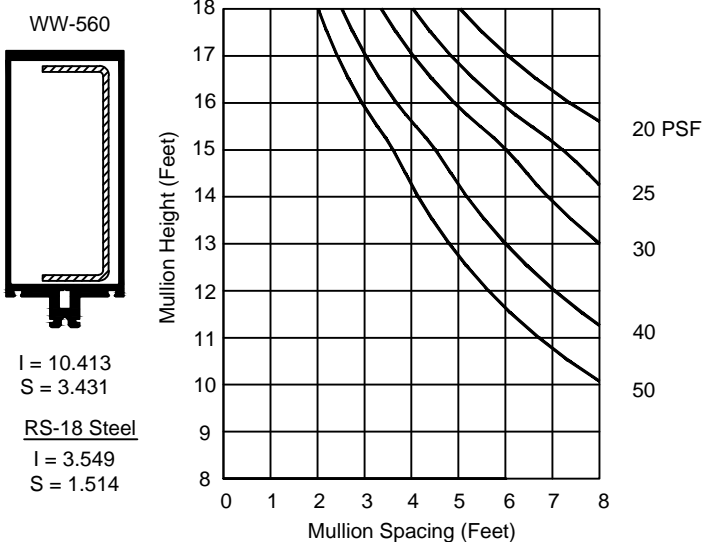
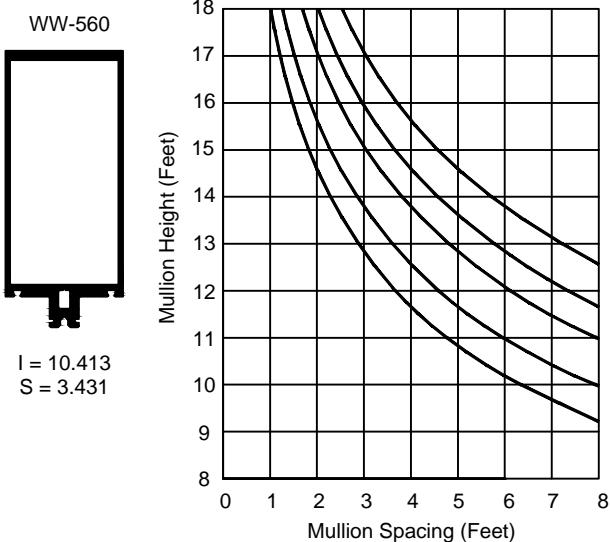


# RELIANCE™ CURTAIN WALL - 1/4" SYSTEM - WIND LOAD CHARTS

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.



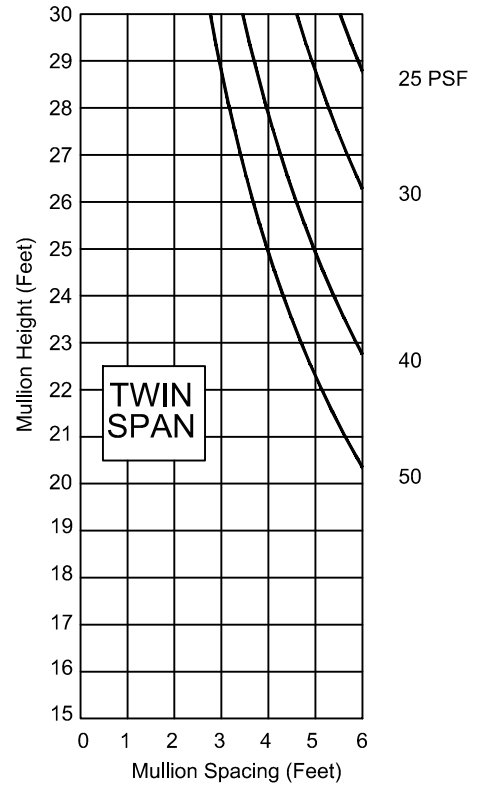
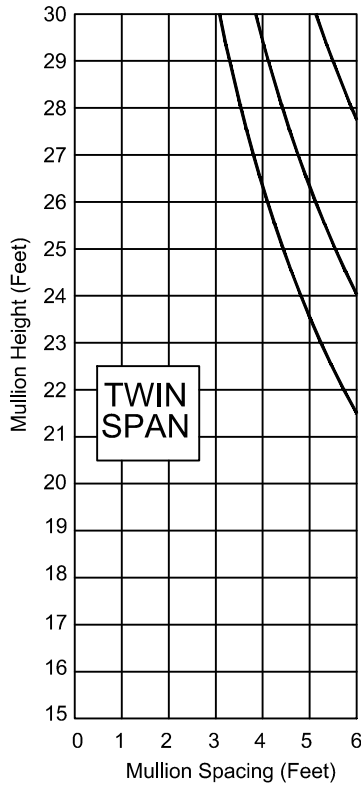
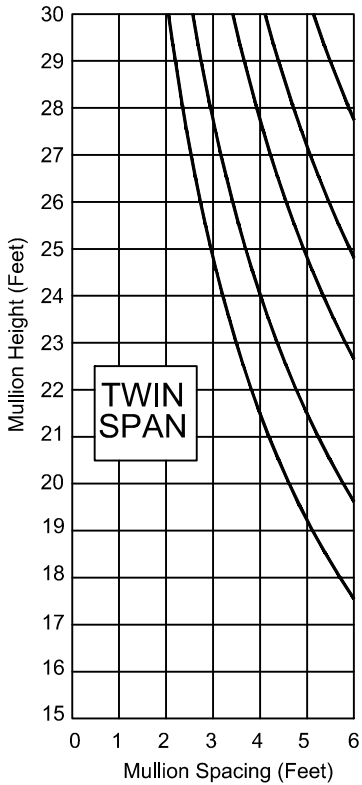
S = 1.124

# RELIANCE™ CURTAIN WALL - 1/4" SYSTEM - WIND LOAD CHARTS

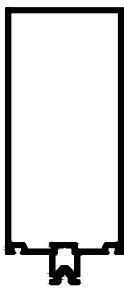
Data is based on deflection limitations in accordance with AAMA TIR-A11 of L/175 up to 13'-6" and L/240 +1/4" above 13'-6", with a maximum deflection of 1 1/4". All curves reflect single span conditions, unless noted otherwise.

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).

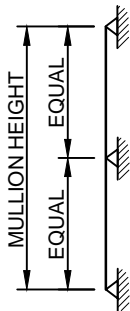
For special applications not covered by these curves, please consult your local Oldcastle BuildingEnvelope™ facility for assistance.



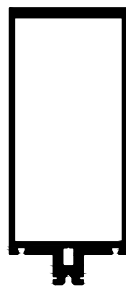
WW-550



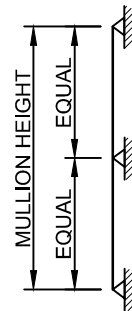
I = 7.092  
S = 2.287



WW-560



I = 10.413  
S = 3.431



WW-504



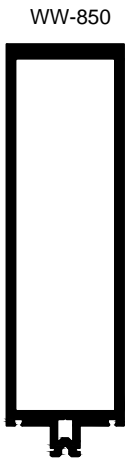
I = 8.177  
S = 3.076

# RELIANCE™ CURTAIN WALL - 1/4" SYSTEM - WIND LOAD CHARTS

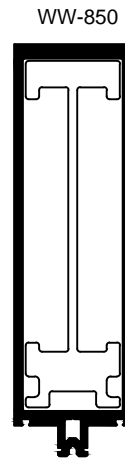
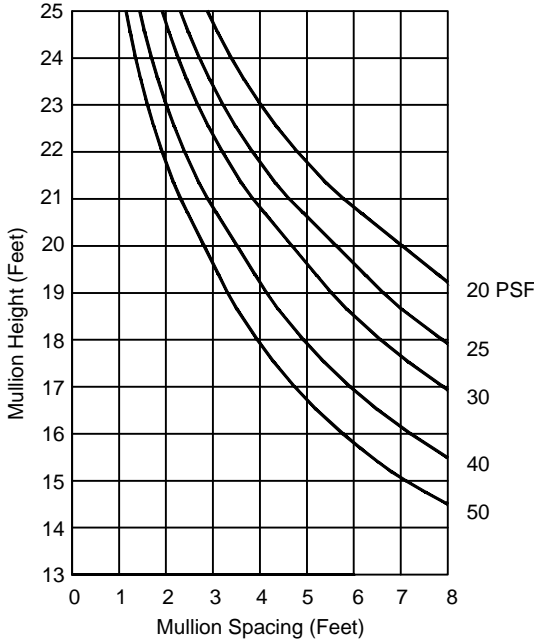
Data is based on deflection limitations in accordance with AAMA TIR-A11 of L/175 up to 13'-6" and L/240 +1/4" above 13'-6", with a maximum deflection of 1 1/4". All curves reflect single span conditions, unless noted otherwise.

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.

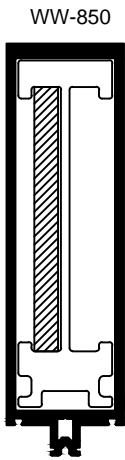
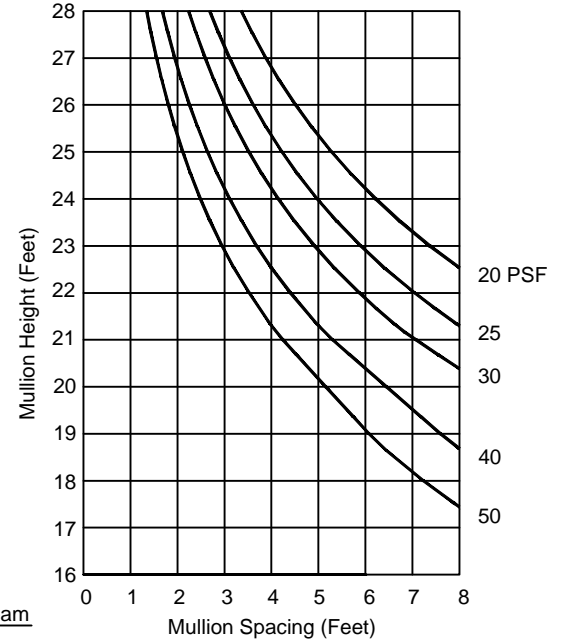


I = 40.498  
S = 8.915

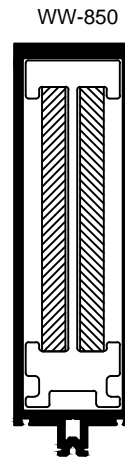
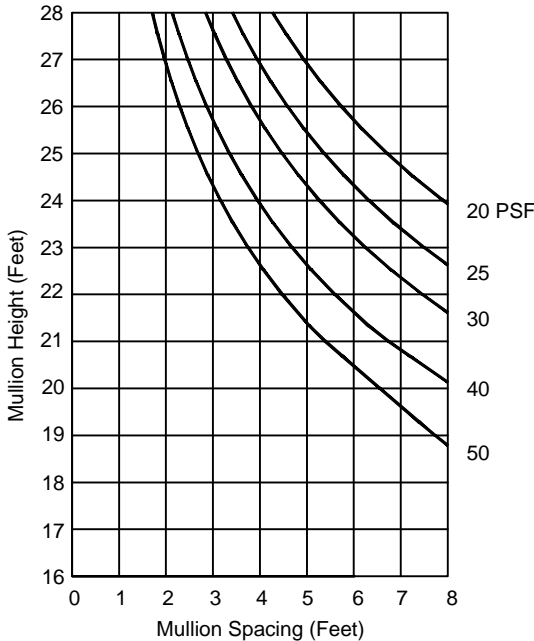


I = 40.498  
S = 8.915

WW-201 Alum I-Beam  
I = 33.794  
S = 8.619

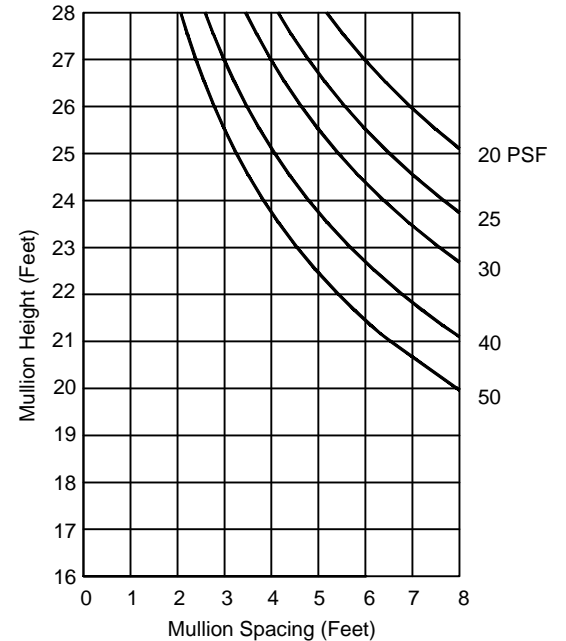


I = 40.498  
S = 8.915



I = 40.498  
S = 8.915

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

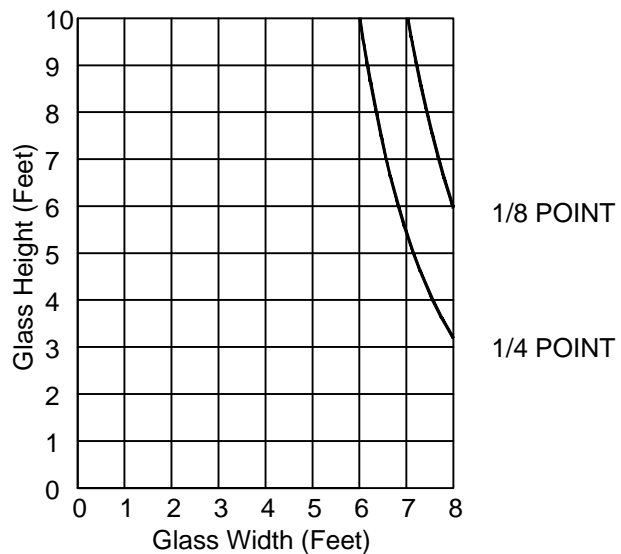
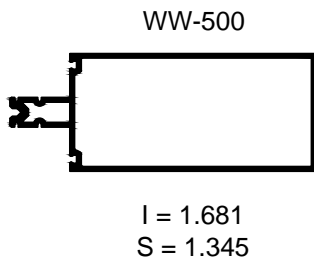
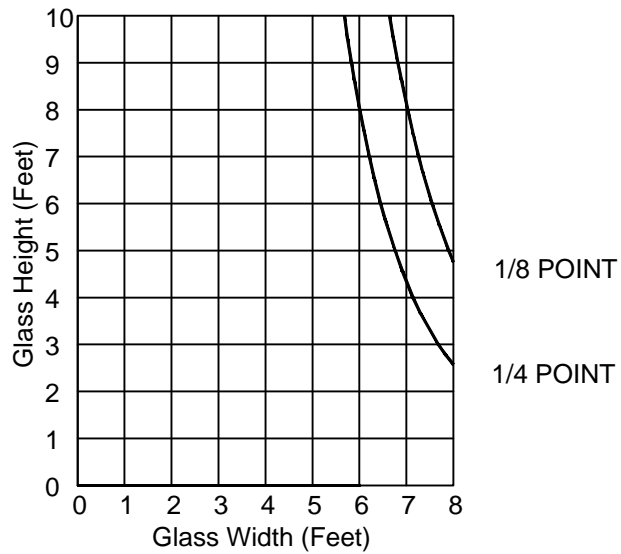
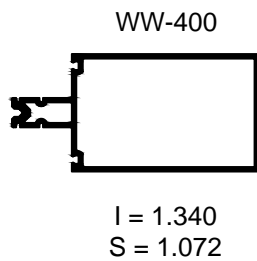
RS-20 Steel    RS-20 Steel  
I = 6.932        I = 6.932  
S = 2.773        S = 2.773

## RELIANCE™ 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).

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

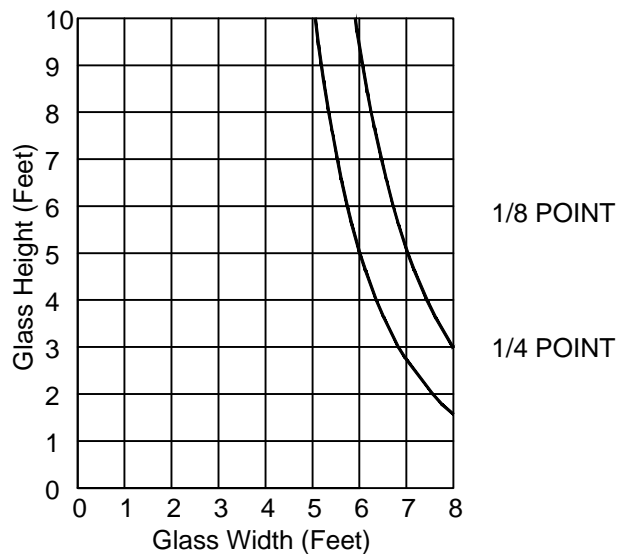
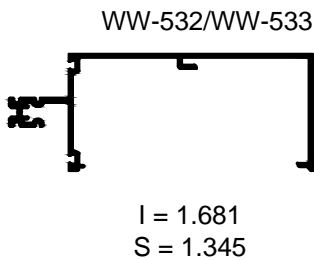
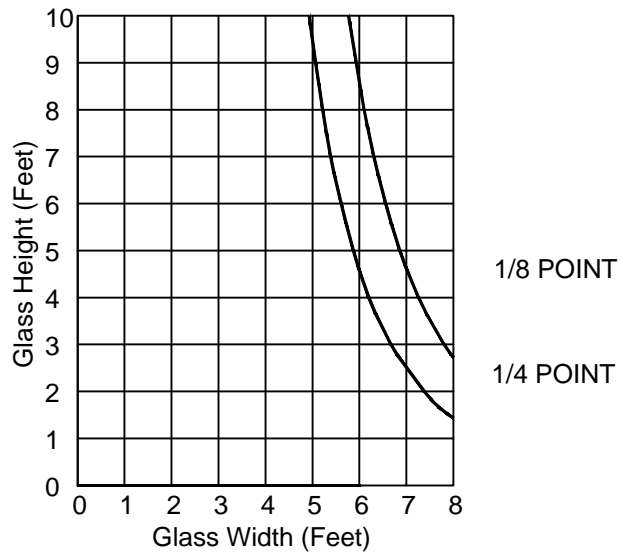
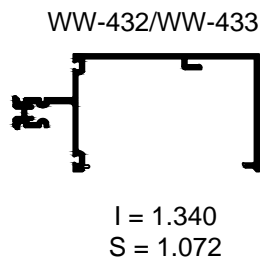


## RELIANCE™ CURTAIN WALL - 1" SYSTEM - DEAD LOAD CHARTS

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).

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

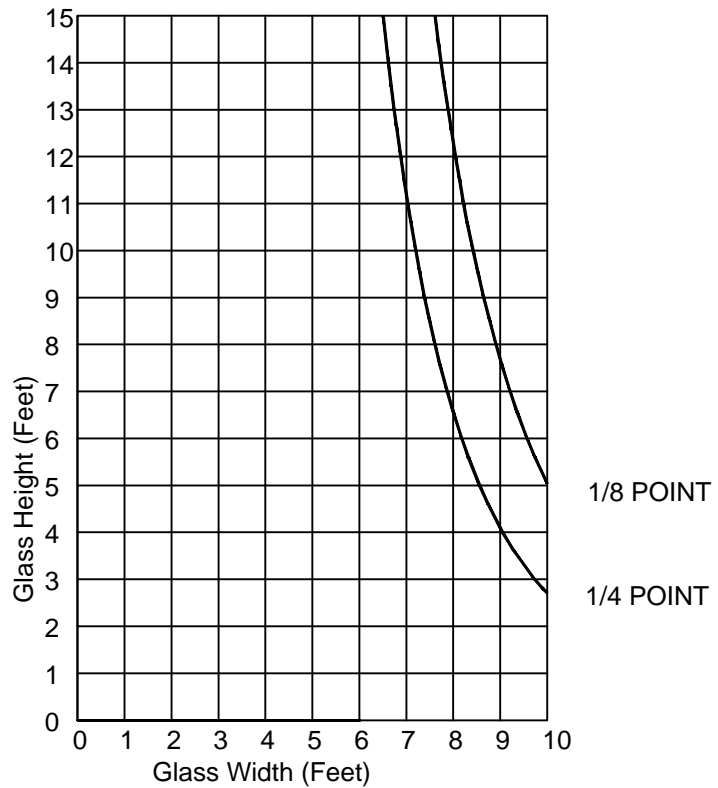
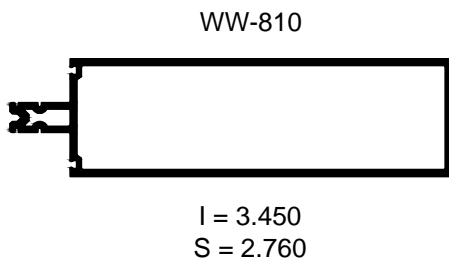


## RELIANCE™ CURTAIN WALL - 1" SYSTEM - DEAD LOAD CHARTS

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).

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

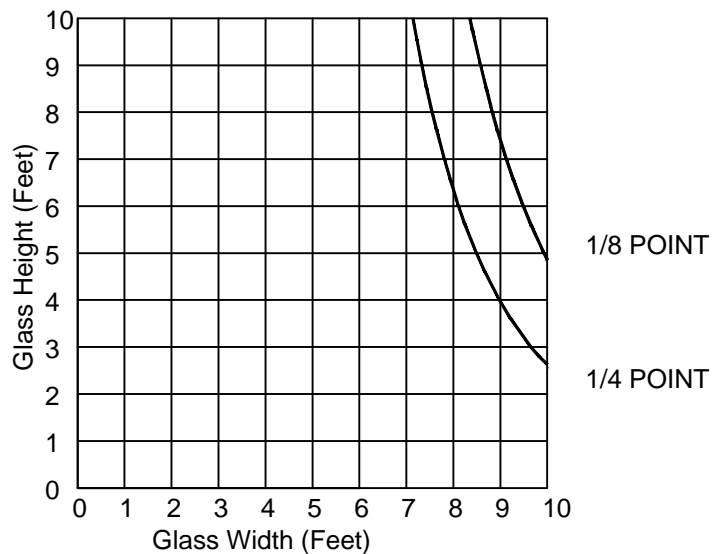
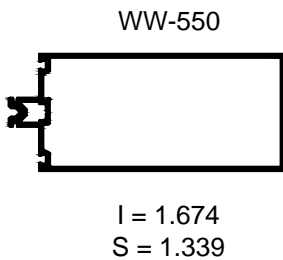
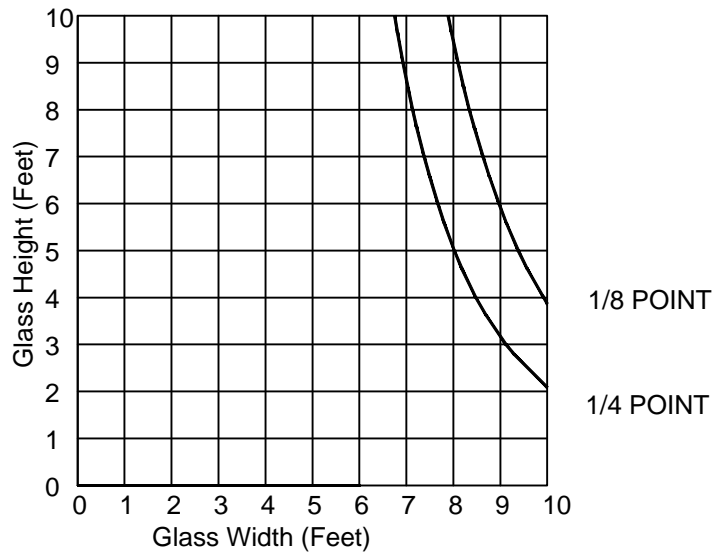
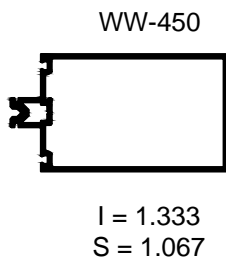


## RELIANCE™ CURTAIN WALL - 1/4" SYSTEM - DEAD LOAD CHARTS

Data is based on maximum deflection of 1/8" at the center of an intermediate horizontal. All curves are calculated for 1/4" thick glass (3.25 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).

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

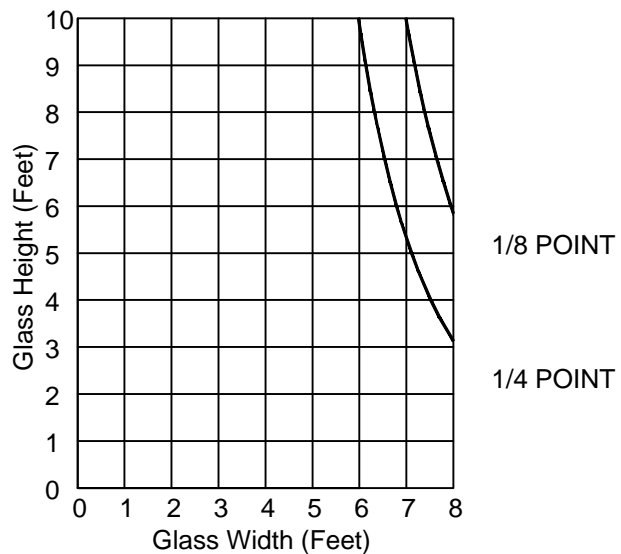
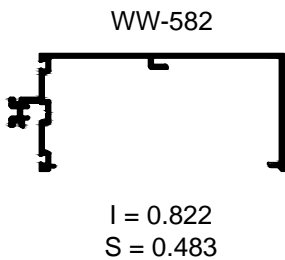
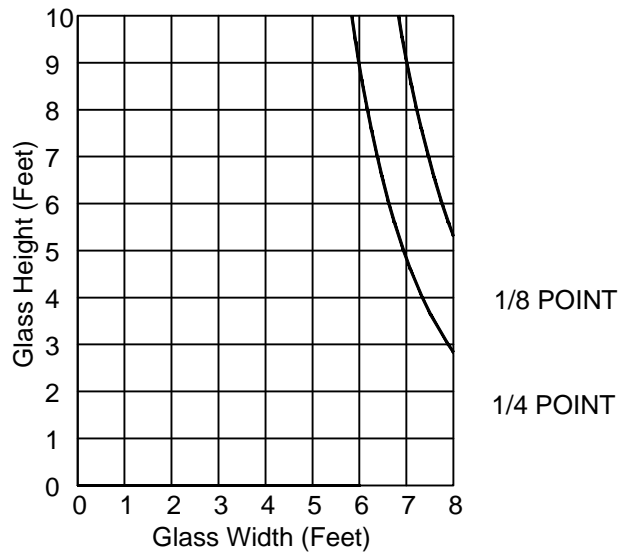
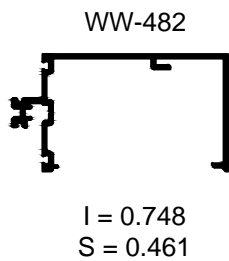


## RELIANCE™ CURTAIN WALL - 1/4" SYSTEM - DEAD LOAD CHARTS

Data is based on maximum deflection of 1/8" at the center of an intermediate horizontal. All curves are calculated for 1/4" thick glass (3.25 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).

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





## RELIANCE™ CURTAIN WALL - 1/4" 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 1/4" thick insulating glass (3.25 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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