STOREFRONT 2000 SERIES
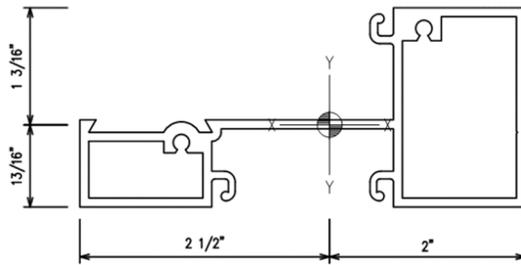
STOREFRONT 2000 SERIES – HORIZONTAL FRAME MEMBERS

Section Properties of Frame Members
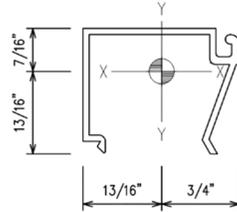
ATLAS SECTION PROPERTIES

Area	0.280	IN^2
Perim.	8.854	IN
Weight	0.329	LBS/FT

X–X AXIS

Ixx	0.044	IN^4
Sxx(max)	0.103	IN^3
Sxx(min)	0.054	IN^3
Rxx	0.396	IN

Y–Y AXIS

Iyy	0.099	IN^4
Syy(max)	0.128	IN^3
Syy(min)	0.127	IN^3
Ryy	0.595	IN

ATLAS SECTION PROPERTIES

Area	1.326	IN^2
Perim.	17.699	IN
Weight	1.559	LBS/FT

X–X AXIS

Ixx	0.549	IN^4
Sxx(max)	0.666	IN^3
Sxx(min)	0.466	IN^3
Rxx	0.643	IN

Y–Y AXIS

Iyy	2.756	IN^4
Syy(max)	1.400	IN^3
Syy(min)	1.098	IN^3
Ryy	1.442	IN
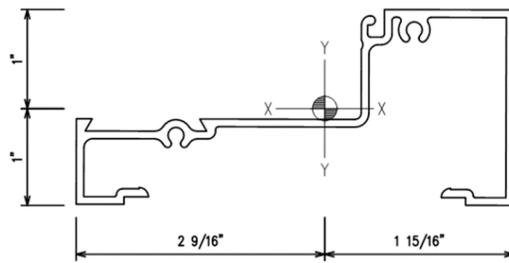
ATLAS SECTION PROPERTIES

Area	0.875	IN^2
Perim.	21.726	IN
Weight	1.029	LBS/FT

X–X AXIS

Ixx	0.352	IN^4
Sxx(max)	0.356	IN^3
Sxx(min)	0.347	IN^3
Rxx	0.635	IN

Y–Y AXIS

Iyy	2.140	IN^4
Syy(max)	1.104	IN^3
Syy(min)	0.840	IN^3
Ryy	1.564	IN
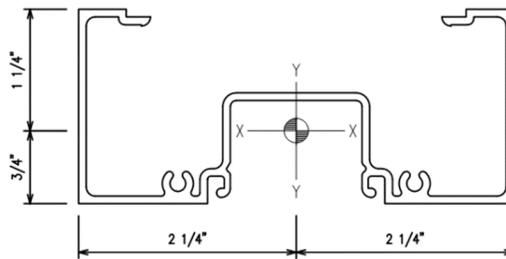
ATLAS SECTION PROPERTIES

Area	1.057	IN^2
Perim.	26.132	IN
Weight	1.243	LBS/FT

X–X AXIS

Ixx	0.468	IN^4
Sxx(max)	0.625	IN^3
Sxx(min)	0.374	IN^3
Rxx	0.666	IN

Y–Y AXIS

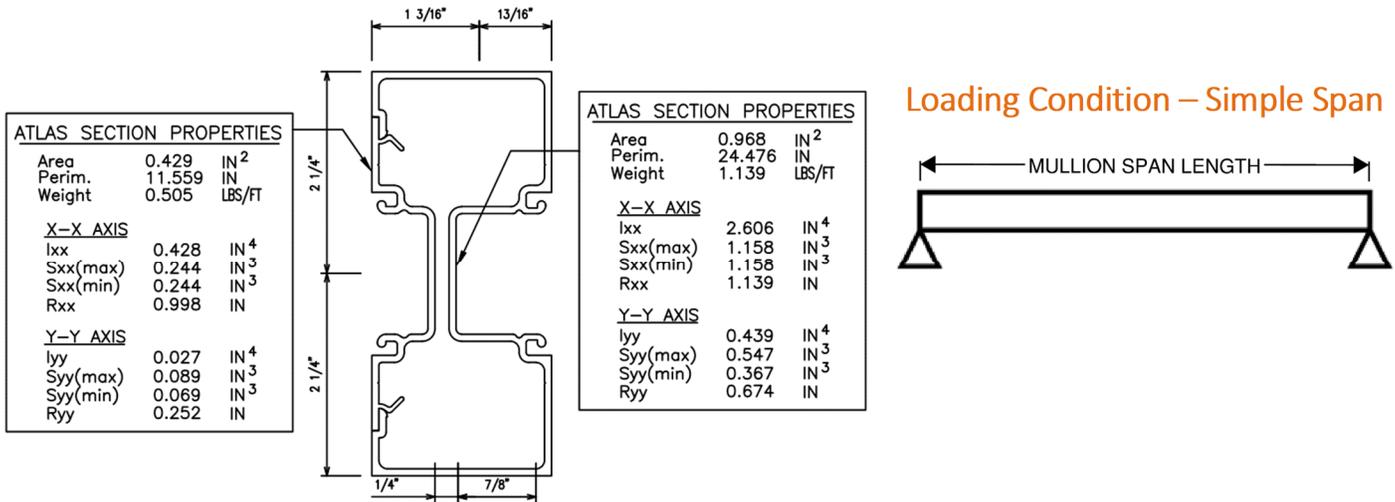|		
Iyy	2.716	IN^4
Syy(max)	1.212	IN^3
Syy(min)	1.212	IN^3
Ryy	1.603	IN

STOREFRONT 2000 SERIES –INTERMEDIATE MULLION WITH FILLER

Wind Load Capacity of Mullion Based on AAMA TIR-A11-2015[1,2,3]

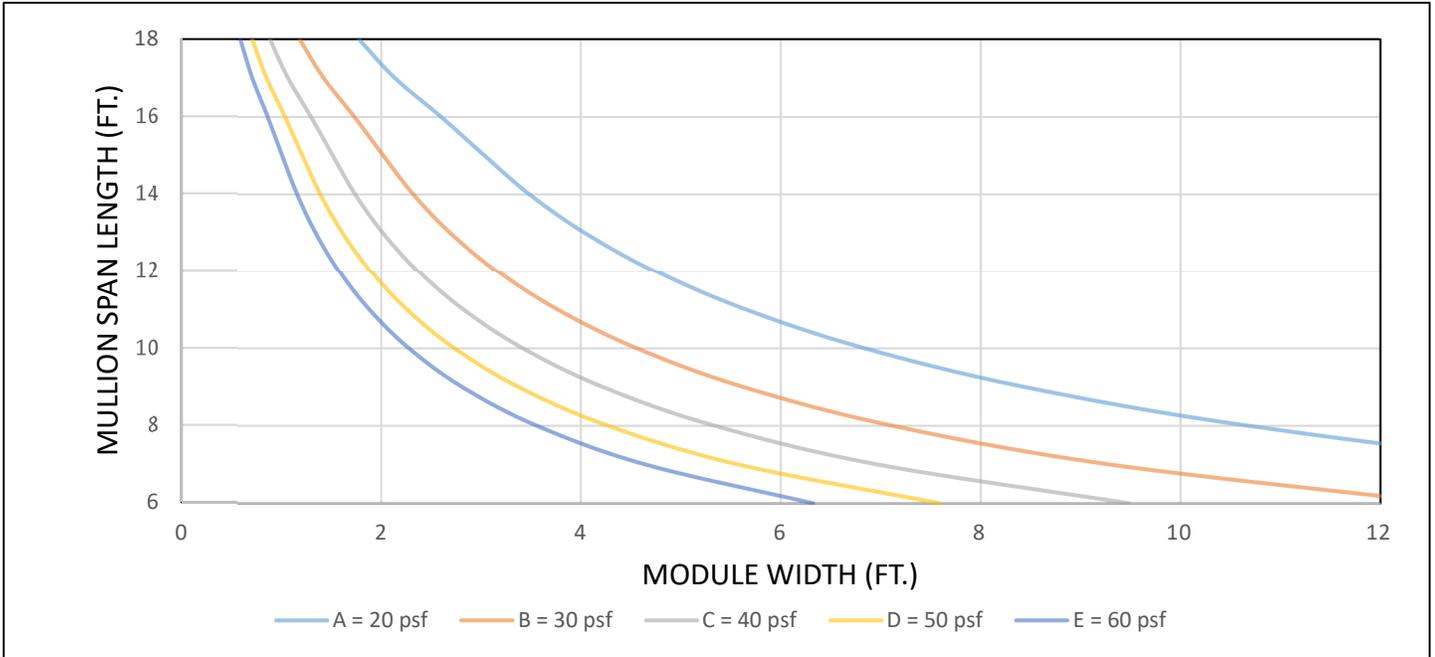The MODULE WIDTH is the average module dimension of the two adjacent curtain wall bays.

The MULLION SPAN LENGTH is considered the distance between anchor points.

ATLAS SECTION PROPERTIES

Area	0.429	IN²
Perim.	11.559	IN
Weight	0.505	LBS/FT

X–X AXIS

Ixx	0.428	IN⁴
Sxx(max)	0.244	IN³
Sxx(min)	0.244	IN³
Rxx	0.998	IN

Y–Y AXIS

Iyy	0.027	IN⁴
Syy(max)	0.089	IN³
Syy(min)	0.069	IN³
Ryy	0.252	IN

ATLAS SECTION PROPERTIES

Area	0.968	IN²
Perim.	24.476	IN
Weight	1.139	LBS/FT

X–X AXIS

Ixx	2.606	IN⁴
Sxx(max)	1.158	IN³
Sxx(min)	1.158	IN³
Rxx	1.139	IN

Y–Y AXIS

Iyy	0.439	IN⁴
Syy(max)	0.547	IN³
Syy(min)	0.367	IN³
Ryy	0.674	IN

Loading Condition – Simple Span

1. Information and calculations are based deflection criteria noted in AAMA TIR-A11-2015. Depending on the size of the glass utilized on a specific project, deflection may be governed by the maximum allowable deflection of ¾" along the edge of a single lite of glass. For jamb conditions, the allowable deflection may be governed by the joint size

2. This information does not consider the unbraced length of the mullion section or the allowable stress as governed by lateral torsional buckling.

3. These tables were developed assuming 6063-T6 aluminum alloy.

4. The information provide herein is for general information only. This information does not preclude the requirement to consult a registered design professional to verify the acceptability of the system for a specific project or application.
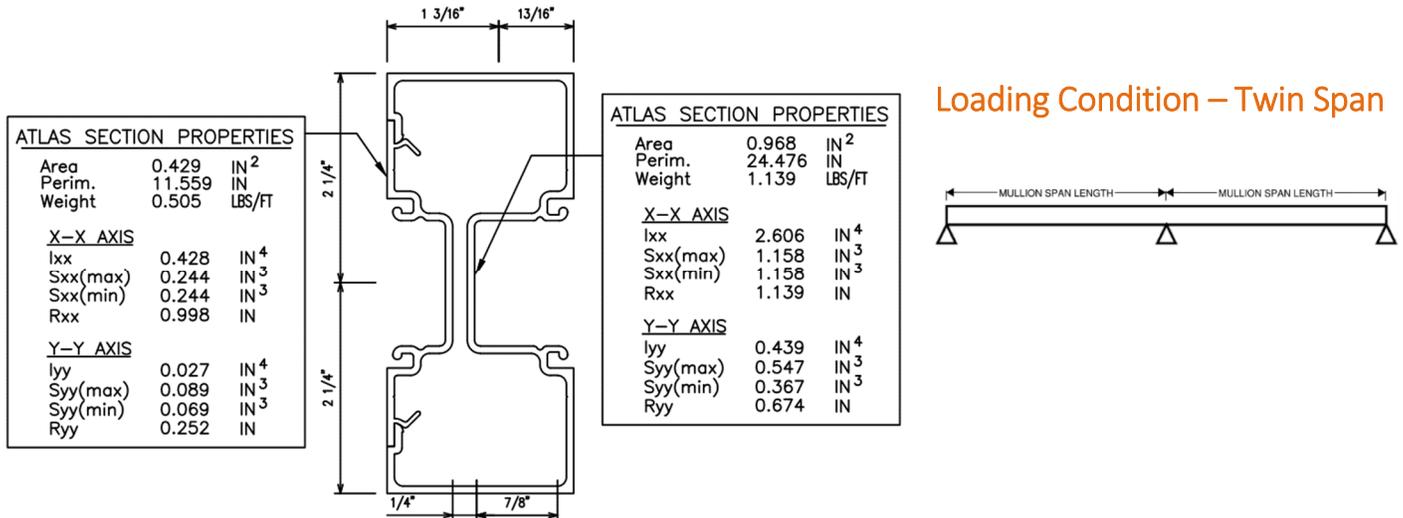
STOREFRONT 2000 SERIES –INTERMEDIATE MULLION WITH FILLER

Wind Load Capacity of Mullion Based on AAMA TIR-A11-2015[1,2,3]

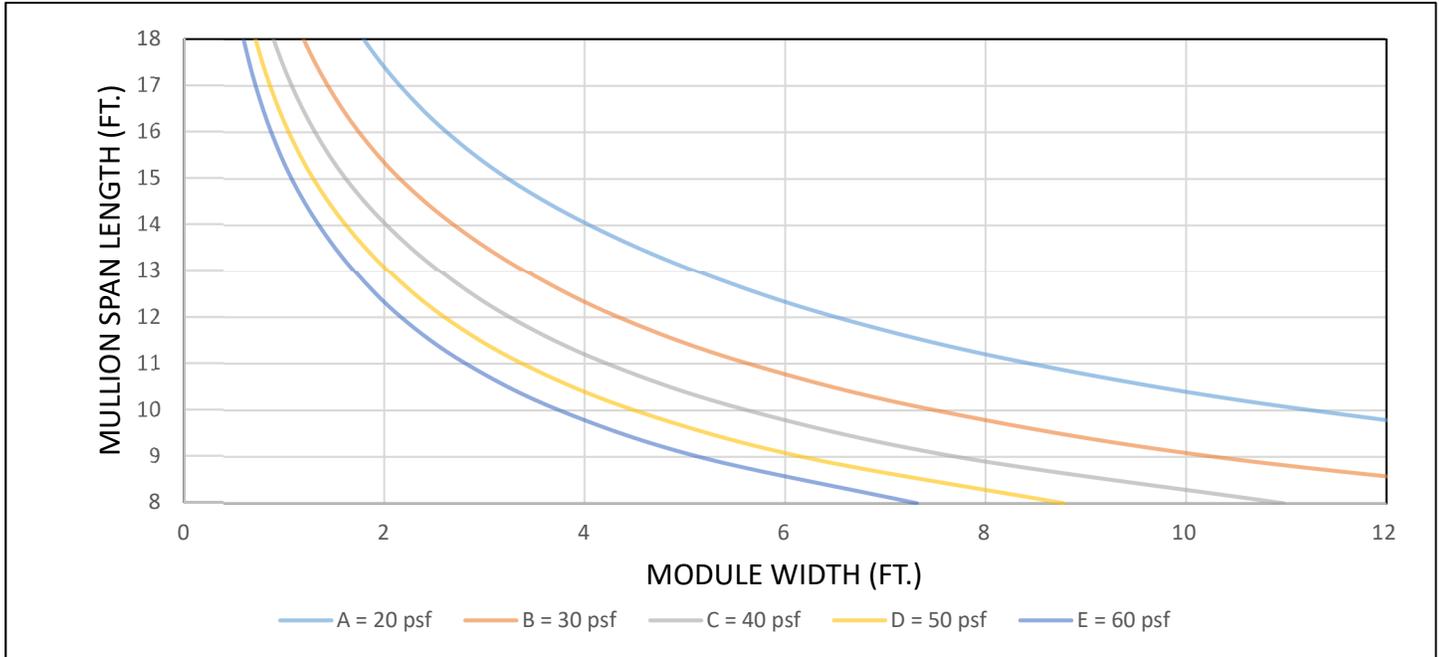The MODULE WIDTH is the average module dimension of the two adjacent curtain wall bays.

The MULLION SPAN LENGTH is considered the distance between anchor points.


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ATLAS SECTION PROPERTIES

Area      0.429    IN²
Perim.    11.559   IN
Weight    0.505    LBS/FT

X–X AXIS
Ixx       0.428    IN⁴
Sxx(max)  0.244    IN³
Sxx(min)  0.244    IN³
Rxx       0.998    IN

Y–Y AXIS
Iyy       0.027    IN⁴
Syy(max)  0.089    IN³
Syy(min)  0.069    IN³
Ryy       0.252    IN
```

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ATLAS SECTION PROPERTIES

Area      0.968    IN²
Perim.    24.476   IN
Weight    1.139    LBS/FT

X–X AXIS
Ixx       2.606    IN⁴
Sxx(max)  1.158    IN³
Sxx(min)  1.158    IN³
Rxx       1.139    IN

Y–Y AXIS
Iyy       0.439    IN⁴
Syy(max)  0.547    IN³
Syy(min)  0.367    IN³
Ryy       0.674    IN
```

Loading Condition – Twin Span

1. Information and calculations are based deflection criteria noted in AAMA TIR-A11-2015. Depending on the size of the glass utilized on a specific project, deflection may be governed by the maximum allowable deflection of ¾" along the edge of a single lite of glass. For jamb conditions, the allowable deflection may be governed by the joint size

2. This information does not consider the unbraced length of the mullion section or the allowable stress as governed by lateral torsional buckling.

3. These tables were developed assuming 6063-T6 aluminum alloy.

4. The information provide herein is for general information only. This information does not preclude the requirement to consult a registered design professional to verify the acceptability of the system for a specific project or application.
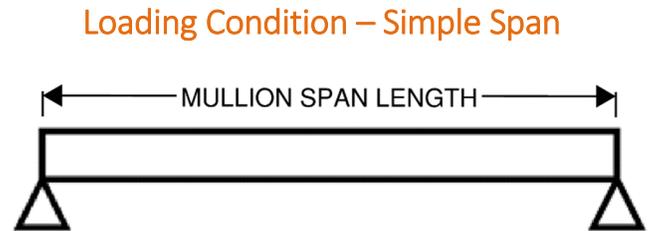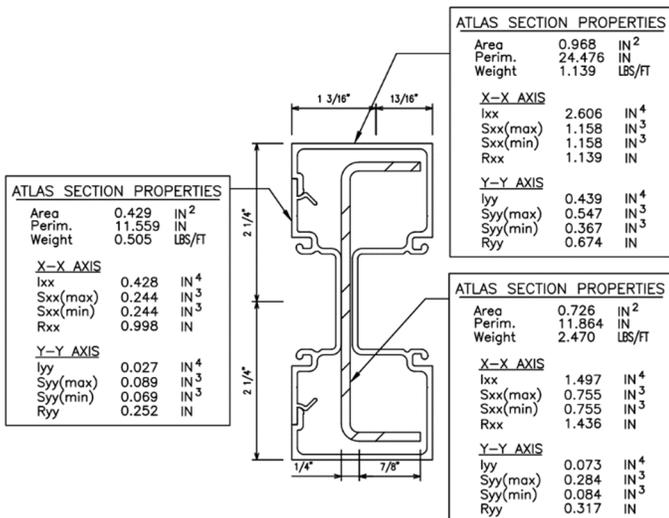
STOREFRONT 2000 SERIES – REINFORCED INTERMEDIATE MULLION WITH FILLER

Wind Load Capacity of Mullion Based on AAMA TIR-A11-2015[1,2,3]

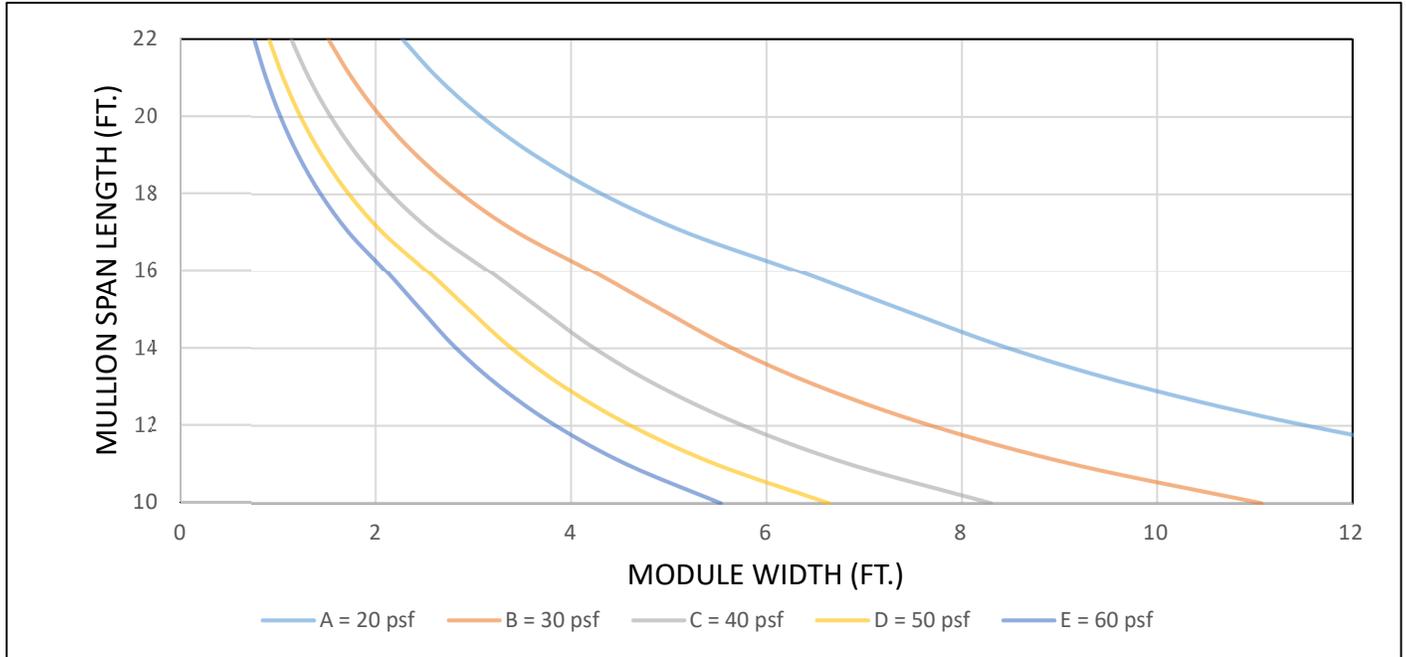The MODULE WIDTH is the average module dimension of the two adjacent curtain wall bays.

The MULLION SPAN LENGTH is considered the distance between anchor points.

Loading Condition – Simple Span

1. Information and calculations are based deflection criteria noted in AAMA TIR-A11-2015. Depending on the size of the glass utilized on a specific project, deflection may be governed by the maximum allowable deflection of ¾" along the edge of a single lite of glass. For jamb conditions, the allowable deflection may be governed by the joint size

2. This information does not consider the unbraced length of the mullion section or the allowable stress as governed by lateral torsional buckling.

3. These tables were developed assuming 6063-T6 aluminum alloy.

4. The information provide herein is for general information only. This information does not preclude the requirement to consult a registered design professional to verify the acceptability of the system for a specific project or application.
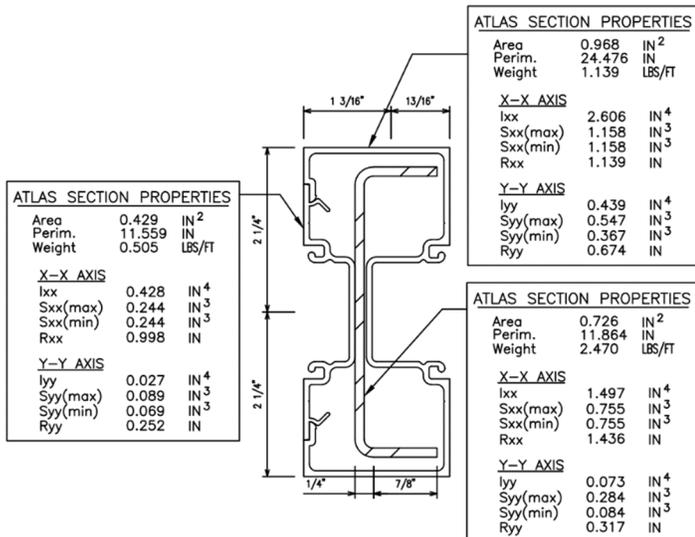
STOREFRONT 2000 SERIES – REINFORCED INTERMEDIATE MULLION WITH FILLER

Wind Load Capacity of Mullion Based on AAMA TIR-A11-2015[1,2,3]

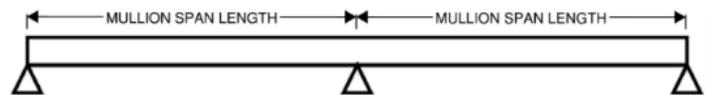A = 20 psf   B = 30 psf   C = 40 psf   D = 50 psf   E = 60 psf

The MODULE WIDTH is the average module dimension of the two adjacent curtain wall bays.

The MULLION SPAN LENGTH is considered the distance between anchor points.

ATLAS SECTION PROPERTIES
Area	0.968	IN^2
Perim.	24.476	IN
Weight	1.139	LBS/FT

X–X AXIS
Ixx	2.606	IN^4
Sxx(max)	1.158	IN^3
Sxx(min)	1.158	IN^3
Rxx	1.139	IN

Y–Y AXIS
Iyy	0.439	IN^4
Syy(max)	0.547	IN^3
Syy(min)	0.367	IN^3
Ryy	0.674	IN

ATLAS SECTION PROPERTIES
Area	0.429	IN^2
Perim.	11.559	IN
Weight	0.505	LBS/FT

X–X AXIS
Ixx	0.428	IN^4
Sxx(max)	0.244	IN^3
Sxx(min)	0.244	IN^3
Rxx	0.998	IN

Y–Y AXIS
Iyy	0.027	IN^4
Syy(max)	0.089	IN^3
Syy(min)	0.069	IN^3
Ryy	0.252	IN

ATLAS SECTION PROPERTIES
Area	0.726	IN^2
Perim.	11.864	IN
Weight	2.470	LBS/FT

X–X AXIS
Ixx	1.497	IN^4
Sxx(max)	0.755	IN^3
Sxx(min)	0.755	IN^3
Rxx	1.436	IN

Y–Y AXIS
Iyy	0.073	IN^4
Syy(max)	0.284	IN^3
Syy(min)	0.084	IN^3
Ryy	0.317	IN

Loading Condition – Twin Span

MULLION SPAN LENGTH   MULLION SPAN LENGTH

1. Information and calculations are based deflection criteria noted in AAMA TIR-A11-2015. Depending on the size of the glass utilized on a specific project, deflection may be governed by the maximum allowable deflection of ¾" along the edge of a single lite of glass. For jamb conditions, the allowable deflection may be governed by the joint size

2. This information does not consider the unbraced length of the mullion section or the allowable stress as governed by lateral torsional buckling.

3. These tables were developed assuming 6063-T6 aluminum alloy.

4. The information provide herein is for general information only. This information does not preclude the requirement to consult a registered design professional to verify the acceptability of the system for a specific project or application.