

SteelBuilt Curtainwall Infinity™ System

The SteelBuilt Curtainwall Infinity™ System can use as a back mullion almost any type of custom steel member. This allows architects and designers to use larger areas of glass, smaller frame profiles and greater free spans than are possible with traditional aluminum curtain wall assemblies. The design flexibility allows curtain walls to be incorporated into a nearly limitless range of building types, designs, and performance requirements.



BIM 3D Model Available

FEATURES

- Almost any type of custom steel member can be used for a back mullion - such as stainless steel, box, I-beams and T-shapes
- Offers all the advantage of steel: larger free spans, narrower sight lines and improved thermal performance
- Narrow sight line of 1-3/4" (45 mm) for interior use only, or 2-3/8" (60 mm)
- Variety of system depths
- Infill options up to 2"
- Painted finishes in standard and custom choices
- Silicone compatible glazing materials for long-lasting seals
- Shear block fabrication method
- Compatible with SteelBuilt Window & Door® Systems

OPTIONAL FEATURES

- Structural silicone is available in 2 or 4 sided applications for a smooth monolithic appearance (see SteelBuilt Curtainwall Infinity™ SSG System data sheet)
- Stainless steel cover caps
- Custom extruded aluminum cover caps

TESTING

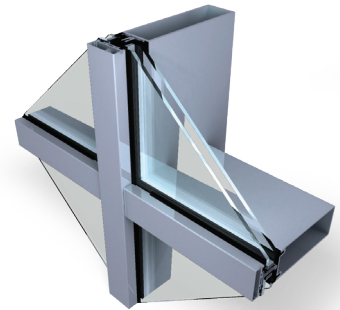
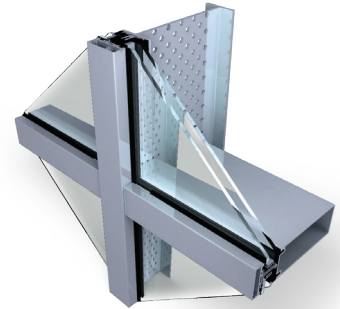
Frame tests performed in accordance with:

AAMA 501.1
Dynamic Water Penetration

ASTM E283
Air Performance

ASTM E330
Structural Performance

ASTM E331
Static Water Penetration



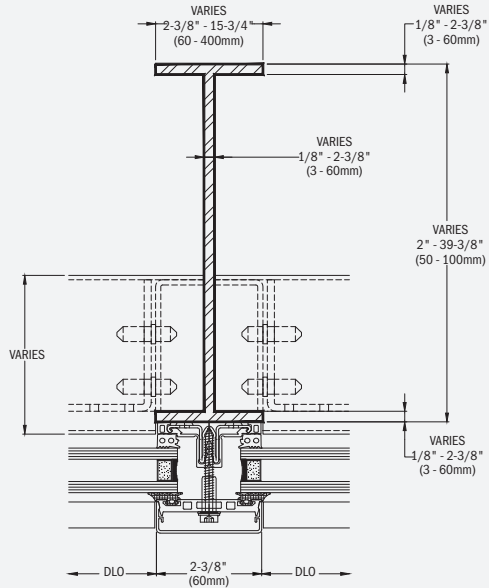
STEELBUILT CURTAINWALL® VS. TYPICAL ALUMINUM CURTAIN WALL

Givens: Design Wind Load: 30 psf Module/Vertical to Vertical Spacing: 5'-0" Rectangular Verticals: Captured			
	ALUMINUM CURTAIN WALL	STEELBUILT CURTAINWALL® SYSTEMS	STEELBUILT CURTAINWALL INFINITY™ SYSTEM
SPAN	12'-6"	14'-0"	21'-5"
FACE WIDTH	2-1/2"	2-3/8"	2-3/8"
MULLION DEPTH	5"	5-3/8"	5"
OVERALL SYSTEM DEPTH	7-1/2"	7-3/8"	7-1/2"
DURABILITY	Prone to denting, scratching and deterioration	Long term resistance to denting, scratching and deterioration	Long term resistance to denting, scratching and deterioration
MODULUS OF ELASTICITY	1/3 that of steel. Does not support large lites	3x greater than aluminum to support larger glass lites	3x greater than aluminum to support larger glass lites
ADVANTAGES/ DISADVANTAGES	<ul style="list-style-type: none"> - Cannot support large glass lites without reinforcing - Not as durable as steel 	<ul style="list-style-type: none"> + Greater modulus of elasticity to support larger glass lites + Less reinforcement required (if any) + Durability 	<ul style="list-style-type: none"> + Greater modulus of elasticity to support larger glass lites + Less reinforcement required (if any) + Durability

PERIMETER FRAMING SYSTEM

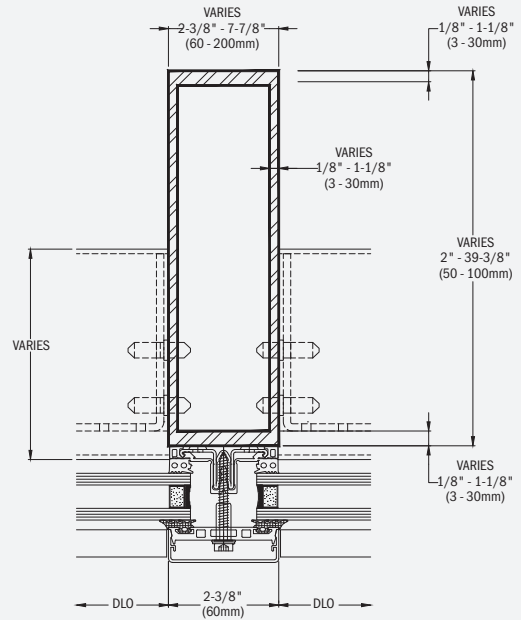
STEELBUILT CURTAINWALL INFINITY™ SYSTEM

I-BEAM OPTION



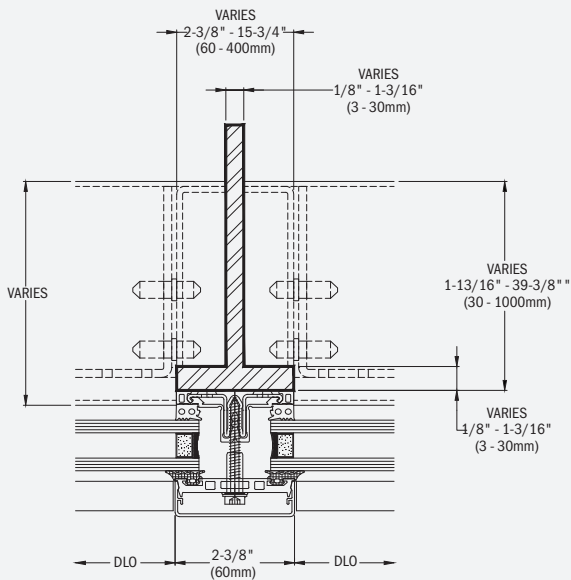
STEELBUILT CURTAINWALL INFINITY™ SYSTEM

TUBE PROFILE OPTION



STEELBUILT CURTAINWALL INFINITY™ SYSTEM

T-PROFILE OPTION



STEELBUILT CURTAINWALL INFINITY™ SYSTEM

TR-PROFILE OPTION

