TECFIRE
safety is invisible

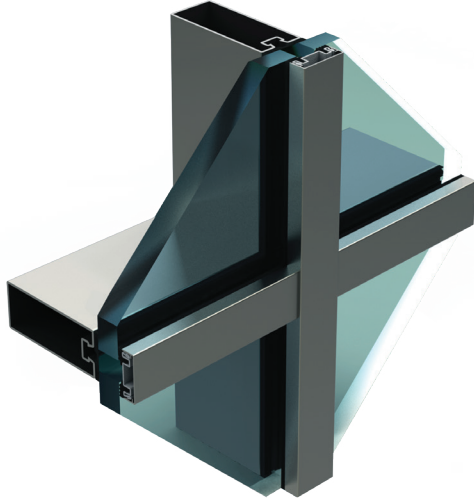## STEELFIRE STB80 SERIES
STEEL & STAINLESS STEEL SYSTEMS

CURTAIN WALL

With unmatched fire protection, thermal insulation, and resistance to wind suction, the Steelfire STB80 glazed curtain wall system reigns as the ultimate choice for safeguarding large surface areas and building facades. It surpasses even the most demanding architectural requirements.
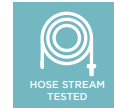
FIRE RESISTIVE
Compartmentalize smoke and flames and block heat transfer

intertek
ASTM E119 & UL 263

Applus⊕

ATTRIBUTES

- FIRE-RATED
- ETL LISTED US Intertek
- Ss STEEL FRAMING
- EXTERIOR & INTERIOR APPLICATION
- HOSE STREAM TESTED
- ACOUSTIC RATING
- OPTICAL AND ACOUSTIC PROPERTIES
- CRADLE TO CRADLE SILVER
- 10 YEARS WARRANTY

🔥 FIRE RATING: 60/90/120 MIN
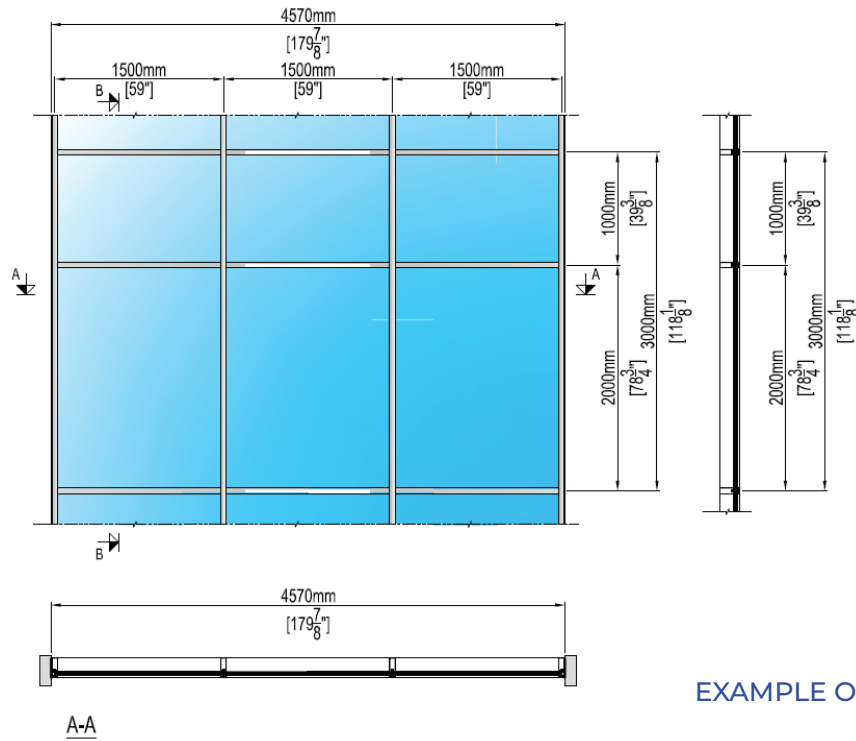
KEY FEATURES

- Slim profiles with 50 mm (1.97") view
- Fire rating of 60, 90, & 120 minutes with required hose stream test
- Interior and exterior application
- Option for aluminum, galvanized or stainless steel cover caps
- For interior and exterior use.
- Great structural stability

- Compatible with any STB80 door or window system
- Compatible with non-fire rated curtain wall system for façade uniformity
- Largest glass surface area tested and certified
- Frames can be supplied in either high-performance powder coat finishes or stainless steel with polished or brushed finishes
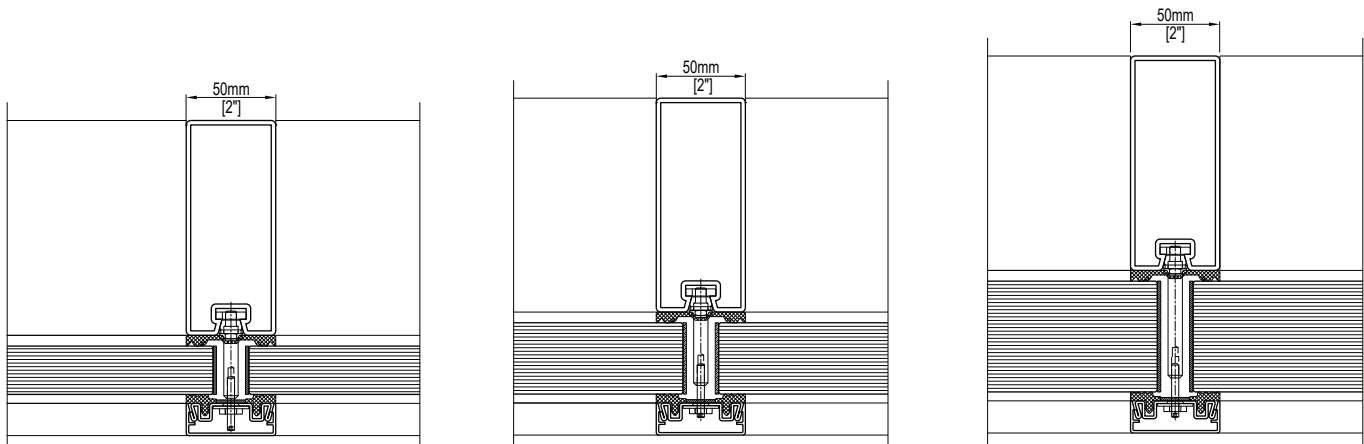
FIRE RATING	MAXIMUM WIDTH	MAXIMUM HEIGHT (BETWEEN SUPPORTS)	FIRE RATED GLASS THK.	MAXIMUM GLASS SIZE	MAXIMUM GLASS AREA
60 mins	Unlimited	3000mm (118-1/8")	27 to 30mm (1-1/16" to 1-3/16")	2890mm W x 2890mm H (113-3/4" W x 113-3/4" H)	4.09m² (44ft²)
90 mins	Unlimited	3000mm (118-1/8")	37.5 to 40mm (1-1/2" to 1-5/8")	2890mm W x 2890mm H (113-3/4" W x 113-3/4" H)	4.09m² (44ft²)
120 mins	Unlimited	3000mm (118-1/8")	54mm (2-1/8")	2890mm W x 2890mm H (113-3/4" W x 113-3/4" H)	4.09m² (44ft²)

Note: Individual Lite sizes cannot exceed the maximum glass sizes shown above. Glasses shown are single glazed. DGU glass thickness varies as it is dependent on the air space and outer pane requirements. Glass pane sizes cannot go beyond the maximum glass area (i.e., glass height can go up to 2890mm (113-3/4" H) but the total glass area cannot be more than 4.09m² (44ft²)

STEELFIRE STB80 60/90/120 MIN
CURTAIN WALL

4570mm
[179 7/8"]

1500mm [59"]
1500mm [59"]
1500mm [59"]

1000mm [39 3/8"]

2000mm [78 3/4"]

3000mm [118 1/8"]

1000mm [39 3/8"]

2000mm [78 3/4"]

3000mm [118 1/8"]

4570mm
[179 7/8"]

A-A

EXAMPLE OF APPLICATION

50mm [2"]

50mm [2"]

50mm [2"]

60 MINUTES

90 MINUTES

120 MINUTES

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STEELFIRE
STEEL & STAINLESS STEEL SYSTEMS

STB80
SERIES

Petroleum Institute Research Center

FIRE RESISTANCE TEST
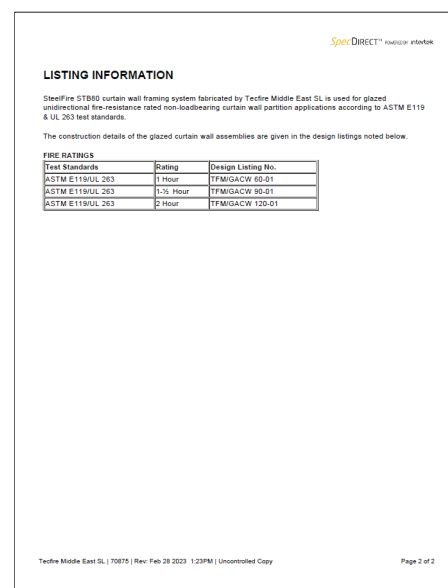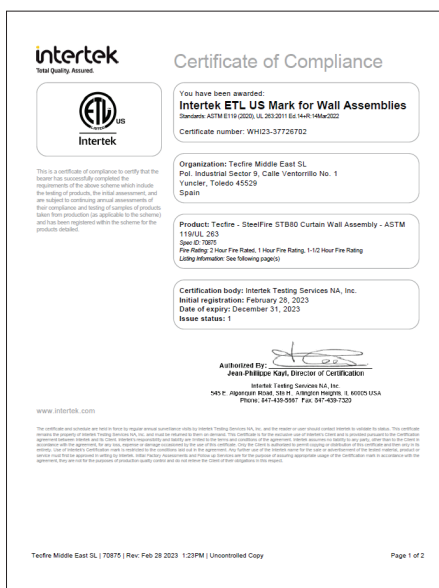

HOSE STREAM TEST

Intertek ETL US Mark for Wall Assemblies
Standards: ASTM E119 (2020), UL 263:2011 Ed.14+R:14Mar2022

CERTIFICATE OF COMPLIANCE

LISTING