



FIRE RATING: 60/90/120 MIN

FIXED WALL

Steelfire STB80 Fixed Wall system combines robustness and elegance. It has been meticulously designed and certified to maximize glazed areas while minimizing profile view and achieving impressive wall heights. With comprehensive fire performance even in extreme conditions, this system offers endless design possibilities.



FIRE RESISTIVE

Compartmentalize smoke and flames and block heat transfer

intertek

Applus[®]

ASTM E119 & UL 263



FIRE-RATED



Intertek



STEEL & STAINLESS-STEEL FRAMES



EXTERIOR & INTERIOR APPLICATION



HOSE STREAM TESTED



ACOUSTIC RATING



THERMAL BROKEN FRAMING



OPTICAL & ACoustic PROPERTIES



CRADLE TO CRADLE SILVER



10 YEARS WARRANTY

KEY FEATURES:

- Fire rating of 60, 90, & 120 minutes with required hose stream test
- Interior and exterior application
- Great acoustic insulation
- Robustly built and resiliently engineered
- Maximized glazing area from floor to ceiling
- Available in multiple configurations
- Compatible with any STB80 door or window system
- 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	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)	4.09m ² (44ft ²)
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)	4.09m ² (44ft ²)
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)	4.09m ² (44ft ²)

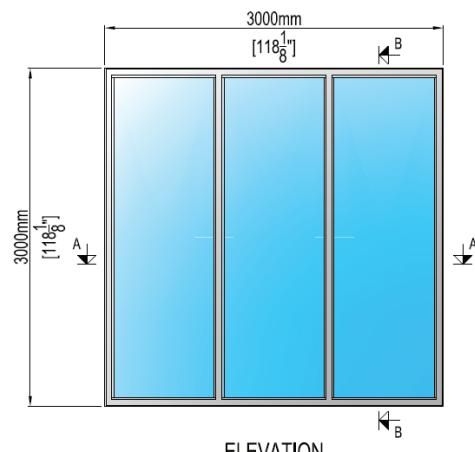
Note: Individual Lite sizes cannot exceed the maximum glass sizes shown above. Glasses shown are single glazed. DGU glass thickness varies as it is dependent on the air space and outer pane requirements. Glass pane sizes cannot go beyond the maximum glass area (i.e., glass height can go up to 2890mm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



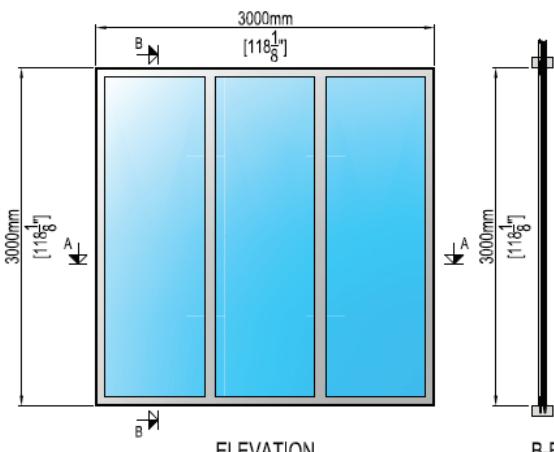
TECFIRE

safety is invisible

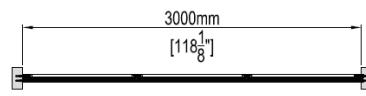
STEELFIRE **STB80**
STEEL & STAINLESS STEEL SYSTEMS



ELEVATION

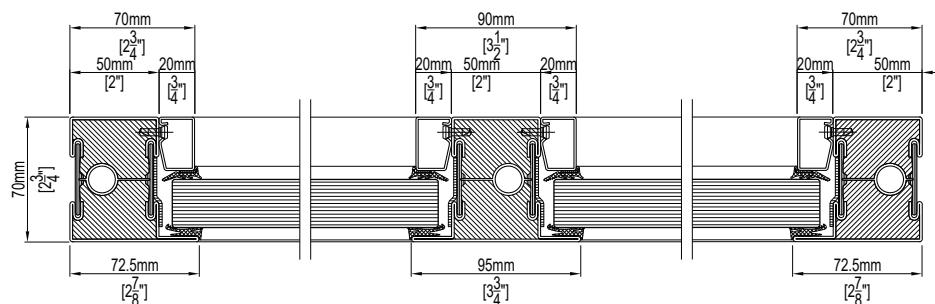


ELEVATION

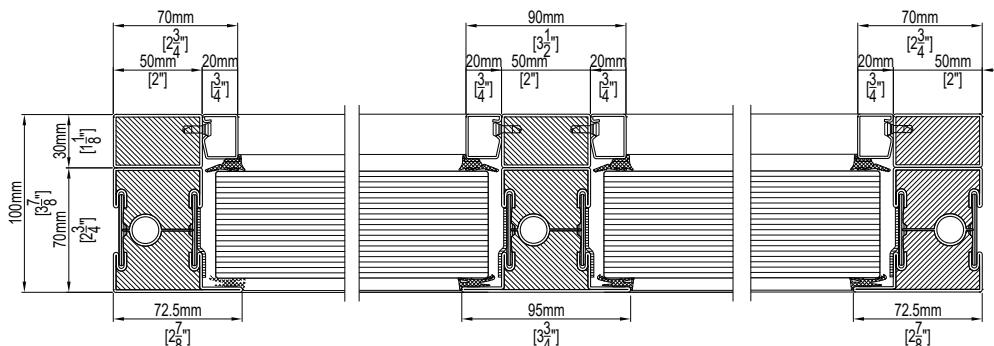


A-A

EXAMPLE OF APPLICATION



60/90 MINUTES



120 MINUTES

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 **TECFIRE USA INC.**

1-833-TECFIRE

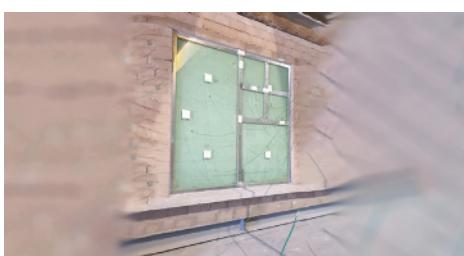


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FLAME RESISTANCE TEST



HOSE STREAM TEST



Intertek ETL US Mark for Partition

Standards: ASTM E119 (2020), UL 263:2011

CERTIFICATE OF COMPLIANCE

LISTING

Report prepared for public access on 3/1/2023 1:43:59 AM

SpecDIRECT® product database

LISTING INFORMATION

SteelPile STB50 fixed partition framing system fabricated by Techre Middle East SL, is used for glazed 1-hour fire resistance rated non-loadbearing fixed partition applications according to ASTM E119 & UL 203 test standards.

The construction details of the glazed fixed partition wall assemblies are given in the design listings noted below.

Fire Ratings

Test Standards	Rating	Design Listing No.
ASTM E119/UL 203	1 Hour	TFMF/GP 60-01
ASTM E119/UL 203	1-1/2 Hour	TFMF/GP 80-01
ASTM E119/UL 203	2 Hour	TFMF/GP 120-01

Note 1: The glazing panes used in these assemblies must be listed for fire resistance rating according to ASTM E119/UL 203. The maximum glaze dimension in the framed assembly are the maximum dimensions from the design listings above or the glass manufacturer's size limitations, whichever is smaller.

Note 2: Butt-joint glazing details in the design listings are not applicable to T-Frame glazing panes from Techre.

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DISCLAIMER: The information provided herein is for general references only and is subject to change without notice. Please visit www.tecfires.com for the most up to date information.