



FIRE RATED FRAMES FOR 45/60/120 MINUTE APPLICATIONS - PATENT NO. 9,045,900

Fireframes® Aluminum Series combined with Pilkington Pyrostop® fire-rated glass, provide a barrier to radiant and conductive heat transfer, allowing for unlimited areas of glazing in fire separations. The high strength steel sub-frame is only 2" (51 mm) wide, yet has the strength for tall spans, while the aluminum cover system gives the ultimate in durability and flexibility with many anodizing and coating options available. The patented Fireframes Aluminum Series may incorporate Fireframes Designer Series doors or Fireframes Heat Barrier Series doors by TGP, and are UL classified and labeled.

FEATURES

- Fire ratings of 45/60/120 minutes
- Patented system features extruded aluminum framing with crisp edges and narrow sightlines
- Custom aluminum face caps available to meet project needs
- Easy installation
- Frames supplied "K-D" (knock-down)
- Incorporates large individual panes of Pilkington Pyrostop glass, composed of low-iron Pilkington OptiWhite™ glass
- Compatible with Fireframes Designer Series or Fireframes Heat Barrier Series full-glass doors from TGP
- Standard finish is clear anodized. Powder coating and other anodized finishes are available
- Door hardware available to fit functional requirements. Check with TGP for compatibility
- Designed for interior use. For exterior applications, please see Fireframes Curtainwall Series
- Passes wall assembly test standard UL 263 / ASTM E119 for 60 and 120 minute ratings

LISTINGS

Classified and labeled by Underwriters Laboratories, Inc.® as Design Number U558 and Underwriters Laboratories of Canada as CIKV7.R25274-U558. Frame tests performed in accordance with UL 263 / ASTM E-119 (60-120 minutes), CAN/ULC-S101, NFPA 251, UL 9, UL 10C. Fireframes Designer Series and Fireframes Heat Barrier Series doors tested in accordance UL 10B, UL 10C, and NFPA 252. Approved for use in Los Angeles – LARR 25798.

SPECIFICATIONS

Complete 3-part CSI format specifications are available online at fireglass.com, or by calling 800.426.0279.

FRAMING		
RATING	MAX. EXPOSED GLASS AREA PER PIECE	MAX. EXPOSED GLASS DIMENSION
45 min.*	4,500 in ² (2.90 m ²)	95-1/4 in (2.42 m)
60 min.**	7,442 in ² (4.80 m ²)	118-1/8 in (3.00 m)
120 min.**	3,730 in ² (2.41 m ²)	111 in (2.81 m)

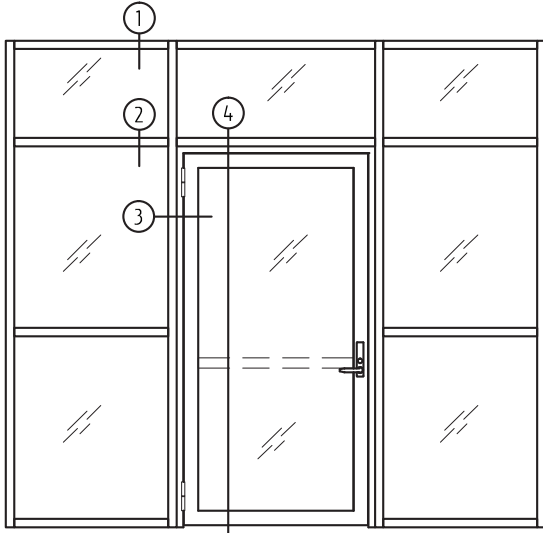
*45 minute window systems are classified as an Opening Protective as per UL 9 with a maximum overall frame size of 152 square feet.

** 60 and 120-minute tests conducted per UL 263 / ASTM E-119. Therefore assembly is classified as a wall assembly, and not subject to "opening" area limitations.

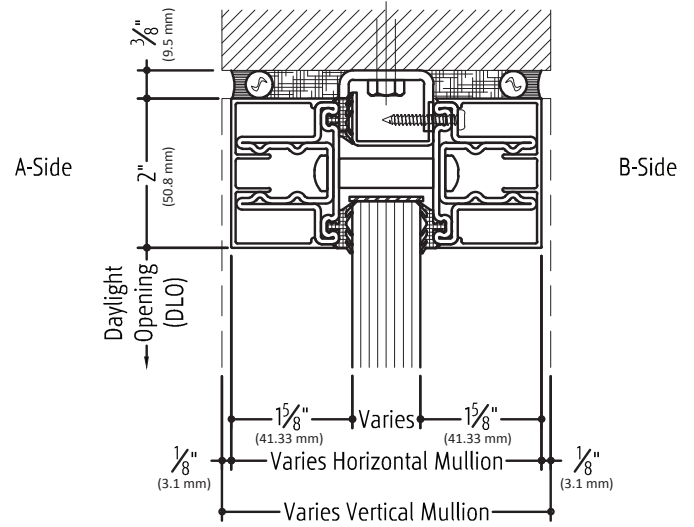
DOORS		
RATING	MAX. SINGLE DOOR LEAF SIZE	MAX. EXPOSED GLASS SIZE PER PIECE
Fireframes Designer Series		
20 min.	42" x 96" (1.07 m x 2.44 m)	36" x 89" (.91 m x 2.26 m)
45 min.	42" x 96" (1.07 m x 2.44 m)	36" x 89" (.91 m x 2.26 m)
60 min.	42" x 96" (1.07 m x 2.44 m)	36" x 89" (.91 m x 2.26 m)
90 min.	43" x 95-7/8" (1.09 m x 2.44 m)	36" x 56-1/2" (divided lite door) (.91 m x 1.44 m)
Fireframes Heat Barrier Series***		
60 min.	48-7/8" x 95-15/16" (1.24 m x 2.44 m)	41-5/8" x 89-3/4" (1.06 m x 2.28 m)
90 min.	48-7/8" x 95-15/16" (1.24 m x 2.44 m)	41-5/8" x 89-3/4" (1.06 m x 2.28 m)

*** Where temperature rise door is required.

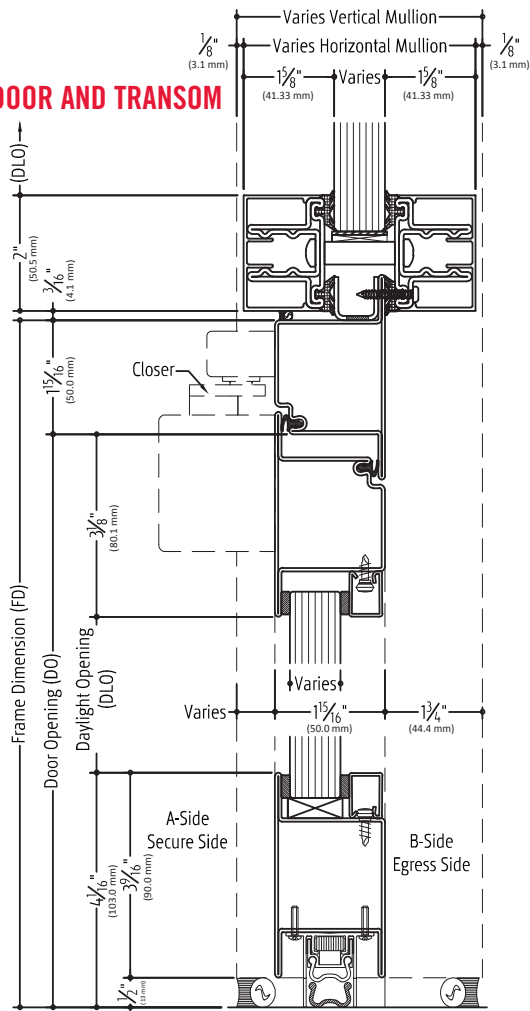
ELEVATION VIEW



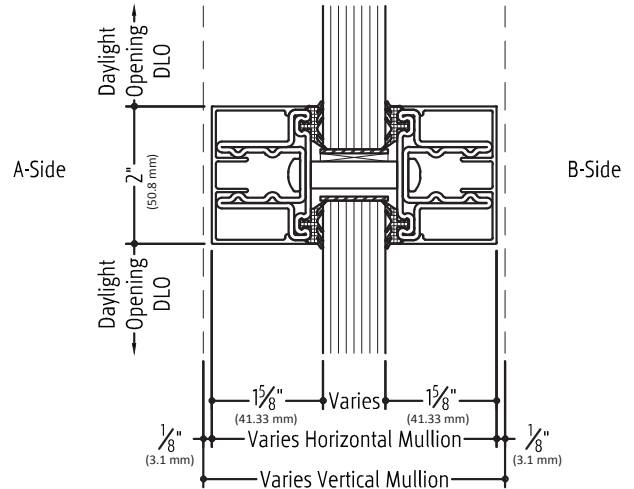
1 HEAD MULLION SECTION



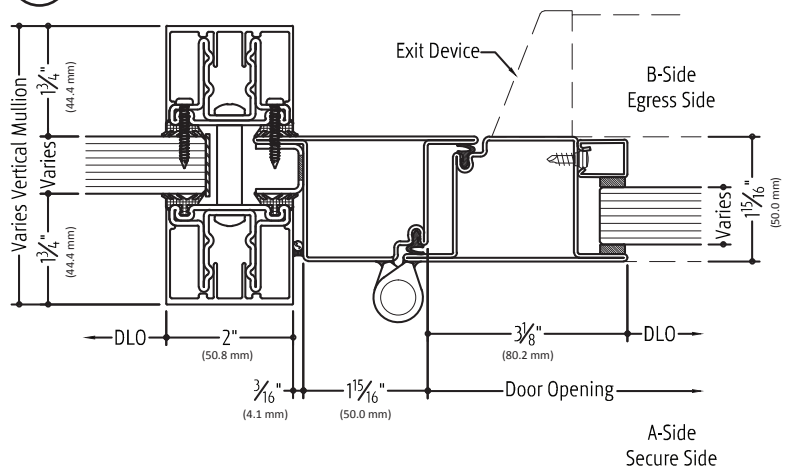
4 DOOR AND TRANSOM



2 HORIZONTAL MULLION SECTION



3 DOOR AND SIDELITE



Details shown use Fireframes Designer Series Doors by TGP. For temperature rise doors, please consider Fireframes Heat Barrier Series doors from TGP.