



## FIRE-RATED DOORS & FRAMES FOR 60/90/120 MINUTE APPLICATIONS

When combined with Pilkington Pyrostop® glass, the Fireframes® Heat Barrier Series doors and frames provide a barrier to radiant and conductive heat transfer. Incorporating precise European engineering, the system also allows full-lite fire doors for aesthetic or security reasons. Fireframes Heat Barrier Series doors (with ratings up to 90 minutes) and frames (with ratings up to 2 hours) are classified and labeled with UL and ULC.

### FEATURES

- Narrow steel profiles
- Doors available in single leaf or double leaf design
- Modular system that can incorporate 60/90 minute full-lite temperature rise doors
- Can incorporate large individual panes of Pilkington Pyrostop® glass
- Passes positive pressure test standards UL 10C
- Frames supplied "K-D" (or welded upon request)
- Unrestricted glazing area for use in locations where total glazing exceeds 25% of wall area
- Durable steel frames ensure low maintenance system
- Hardware available to fit functional requirements. Check with TGP for compatibility
- Finish painted at the factory to match desired color scheme
- Easy installation similar to typical storefront systems

### LISTINGS

Classified and labeled by Underwriters Laboratories Inc.® and Underwriters Laboratories of Canada. File number for labeled 60/90/120 minute fire-rated assemblies is R-19207, design U533. Frame tests performed in accordance with ASTM E-119, CAN/ULC-S101, NFPA 251, UL 263, UL 9 and UL 10C. Door tests performed in accordance with UL 10B, UL 10C, and NFPA 252. Approved for use in New York City: MEA# 240-00-M. Approved for use in Los Angeles: LARR 25798.

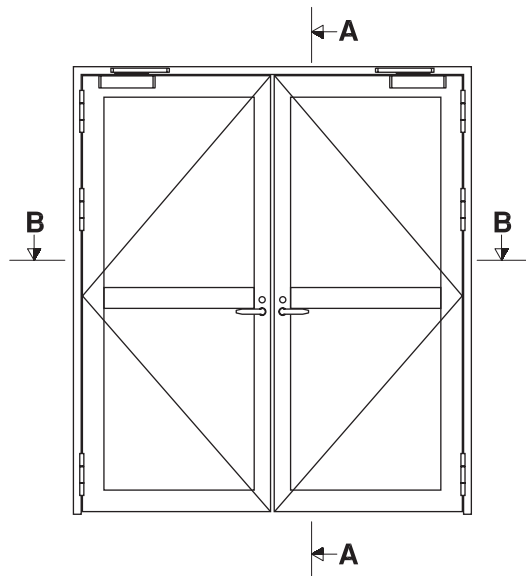
### SPECIFICATIONS

Complete 3-part CSI format specifications are available online at [fireglass.com](http://fireglass.com), or by calling **800.426.0279**.

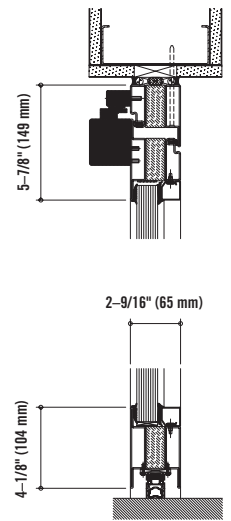
FRAMING			DOORS		
RATING	MAX. EXPOSED GLASS AREA PER PIECE	MAX. EXPOSED GLASS DIMENSION	RATING	MAX. SINGLE DOOR LEAF SIZE	MAX. EXPOSED GLASS SIZE PER PIECE
60 min.	7,442 in <sup>2</sup> (4.80 m <sup>2</sup> )	118-1/8 in (3.00 m)	60 min.	48-7/8" x 95-15/16" in (1.24 m x 2.44 m)	41-5/8" x 89-3/4" in (1.06 m x 2.28 m)
90 min.	3,724 in <sup>2</sup> (2.40 m <sup>2</sup> )	96 in (2.44 m)	90 min.	48-7/8" x 95-15/16" in (1.24 m x 2.44 m)	41-5/8" x 89-3/4" in (1.06 m x 2.28 m)
120 min.	3,730 in <sup>2</sup> (2.41 m <sup>2</sup> )	111 in (2.81 m)			

**Note:** Individual lite sizes cannot exceed "Max. Exposed Glass Area" shown above.

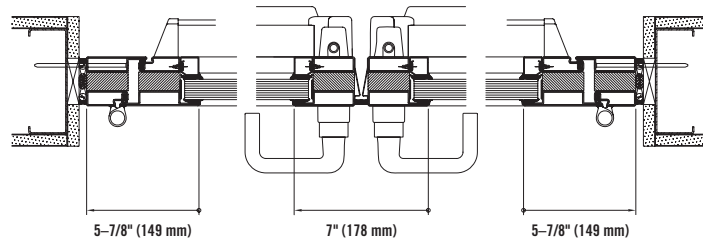
## DOOR DETAILS



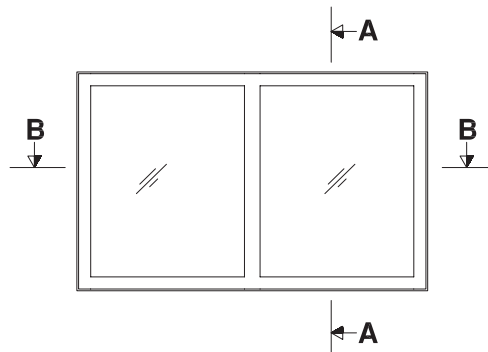
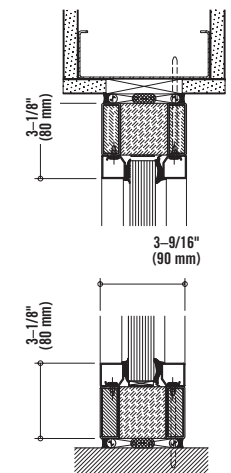
A-A



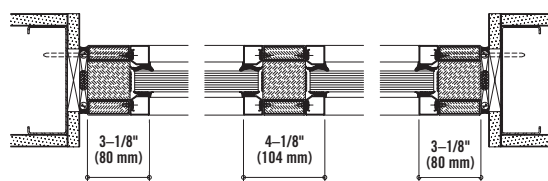
B-B



A-A



B-B



**ALL DOOR HARDWARE FOR HEAT BARRIER SERIES DOORS IS SUPPLIED BY TECHNICAL GLASS PRODUCTS.**

Please contact TGP regarding your individual hardware requirements.

**STANDARD HARDWARE MAY INCLUDE:**

- Hinges
- Surface mounted closers
- Single mortise lock
- Panic hardware
- Tall bottom rails