



### 20/45/60 MINUTE FIRE-RATED DOORS & FRAMES

Nothing compares to the warmth and beauty of genuine wood. Now, thanks to the new Fireframes® Hardwood Series, you can incorporate wood doors and framing into your fire-rated openings. Designed for maximum durability and performance, the Hardwood Series offers an attractive alternative to traditional hollow metal steel frames. Available with fire ratings from 20 to 60 minutes, this system can incorporate a wide range of fire-rated glazing materials with glass sizes that surpass traditional systems.

### FEATURES

- Fabricated in the U.S.A.
- Thick hardwood face for unmatched beauty and durability
- Available in a variety of species
- Available flat jamb and throated
- Add glazing from TGP for complete system
- Compatible with most rated hardware
- Engineered core for dimensional stability
- 60 minute product meets ASTM E-119
- Interior use only

### LISTINGS

Listed and labeled by Underwriters Laboratories, Inc®. File numbers for labeled 20 minute door and 45/60 minute fire-rated frame assemblies are R19305 (doors), R21551 (20 and 45 minute frames) and R21718 Design #U538 (60 minute frames). Frame tests performed in accordance with ASTM E-119 (60 min. product only), CAN/ULC-S101, ASTM E-165, ASTM E2010, CAN 4-S106, NFPA 257, UBC 7-4-1997 and UL 9. Door tests performed in accordance with ASTM E2074, CAN 4-S104, NFPA 252, UBC 7-4-1997, UL 10B and UL 10C. Approved for use in Los Angeles: LARR 25798.

FRAMING			
	RATING	MAX. EXPOSED GLASS AREA (in <sup>2</sup> )	MAX. EXPOSED GLASS DIMENSIONS (in)
Sidelites* & Borrowed Lites	45 Min.	4394.25	46.5" (W) x 94.5" (H)
	60 Min.	4394.25	46.5" (W) x 94.5" (H) or 94.5" (W) x 46.5" (H)**
Transom	45 Min.	1339.5	70.5" (W) x 19" (H)
	60 Min.	N/A	N/A

### OPENINGS WITH DOORS

Maximum Width = 12' 6"  
Maximum Height  
(including transom) = 10' 11"-7/8"

### 45 MINUTE OPENINGS WITHOUT DOORS

Maximum Width = 12' 7"-1/2"  
Maximum Height = 10' 1"

### 60 MINUTE OPENINGS WITHOUT DOORS

Maximum Width = Unlimited  
Maximum Height = 11' 4"-1/2"

### MINIMUM WALL THICKNESS

3-3/4"

DOORS			
RATING	MAX. SINGLE DOOR LEAF SIZE (in)	MAX. EXPOSED GLASS AREA PER PIECE (in <sup>2</sup> )	MAX. EXPOSED SINGLE DIMENSION (in)
20 min.	48 x 108	2,868	34-3/4 (W) 87-9/16 (H)
45 min.	36 x 96	1,714	18-3/4 (W) 78-3/4 (H)

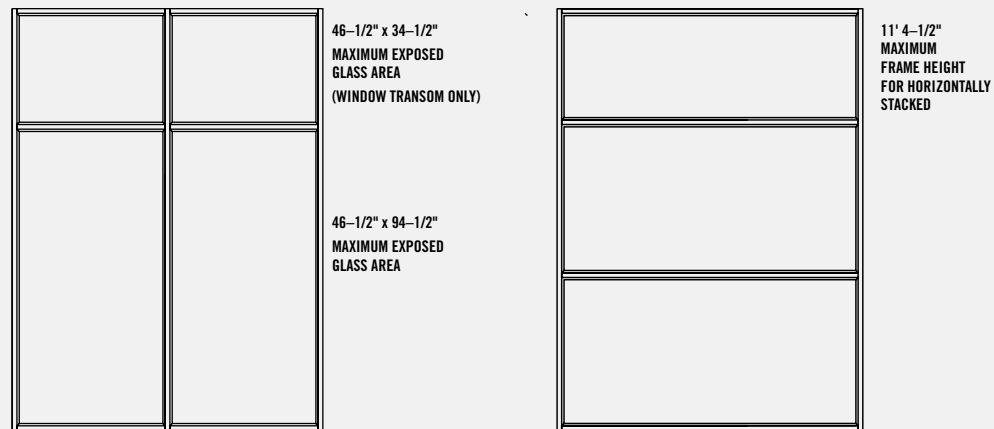
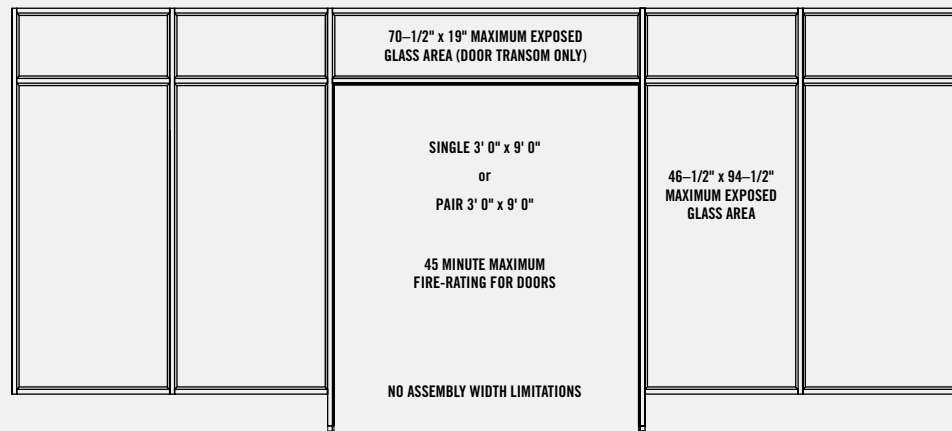
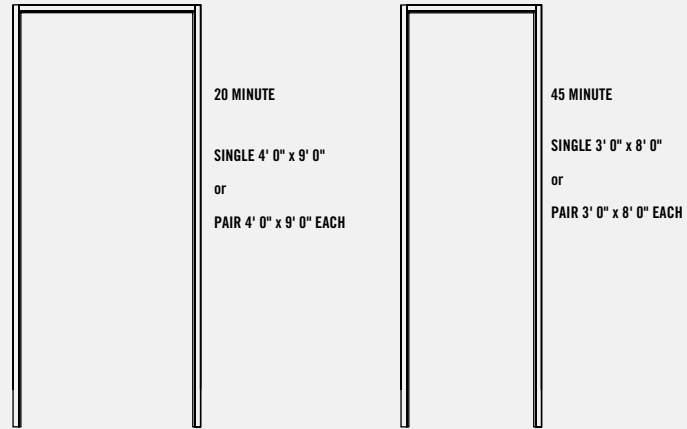
**Note:** Individual lite sizes cannot exceed "Max. Exposed Glass Area" shown above.  
\* Maximum Hardwood Series doorframe rating is 45-minutes.  
\*\* 60-minute rated sidelites may be part of a 45-minute rated doorframe assembly.

## SPECIFICATIONS

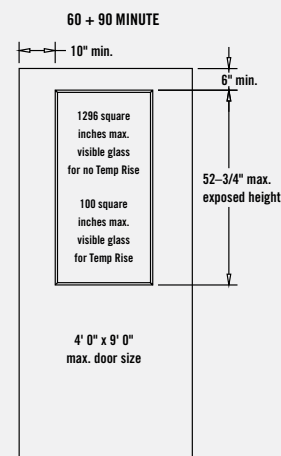
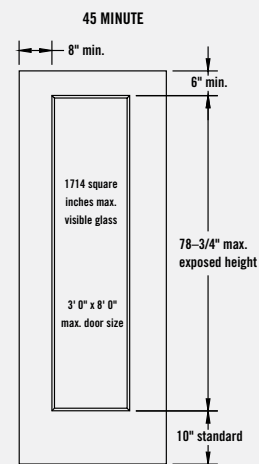
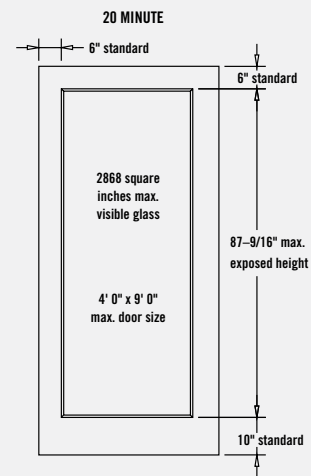
Complete 3-part CSI format specifications are available online at [fireglass.com](http://fireglass.com), or by calling 800.426.0279.

As interpretation of building and fire codes may vary depending on locale, please consult your local authorities for the proper use of Fireframes Hardwood Series.

### MAXIMUM SIZES FOR RELITES, DOORS & TRANSOMS: 20/45/60 MINUTE



### STANDARD DOOR ELEVATIONS



### HARDWOOD ELEVATIONS & DETAILS

