



KARONA Fire Door Options & Restrictions

| All dimensions are in inches unless otherwise indicated. | | 20 Minute Neutral | | 20 Minute Positive | | 45/60 Minute Positive | | 90 Minute Positive | |
|--|--|---|---------------------|---|---------------------|---|---------------|--|------------|
| | | Min | Max | Min | Max | Min | Max | Min | Max |
| Door Single | Width | na | 48 | na | 42 | na | 42 or 48** | na | 42 or 48** |
| | Height | na | 108 | na | 96 | na | 84 or 96** | na | 84 or 96** |
| | Thickness | 1.75 | na | 1.75 | na | 1.75 | na | 1.75 | na |
| Door Pair (Cat A&B) | Width | na | 96 | na | 84 | na | 84 | na | 84 |
| | Height | na | 108 | na | 96 | na | 96 | na | 96 |
| | Thickness | 1.75 | na | 1.75 | na | 1.75 | na | 1.75 | na |
| Stiles & Rails | Stiles | 4 | na | 5 | na | 5 | na | 5 | na |
| | Top Rail | 4 | na | 4 | na | 4 | na | 5 | na |
| | Bottom Rail | 6.625 | na | 6 | na | 6 | na | 6 | na |
| | Center Rail & Mullions | 3 | na | 3.625 | na | 2 | na | 2 | na |
| | Center Rail & Mullions (alt)* | 2 | na | 2 | na | na | na | na | na |
| | Sticking Options | Ogee, Ovolo, Mission, Square, Classic, Special | | Ogee, Ovolo, Mission, Square, Classic, Special | | Ogee, Ovolo, Mission, Square, Classic, Special | | Ogee [^] , Ovolo, Mission, Square, Classic [^] , Special | |
| Face Molding | Available | | Available | | Available | | Available | | |
| Panels | Raised Panel Height | 6 | 85.125 | 6 | 52 | 6 | 85 | 6 | 85 |
| | Raised Panel Height (alt)* | 6 | 85 | 6 | 85 | na | na | na | na |
| | Raised Panel Width | 6 | 32 | 6.125 | 26 | 6 | 32 | 6 | 32 |
| | Raised Panel Width (alt)* | 6 | 32 | 6 | 32 | na | na | na | na |
| | Flat Panel Width | 6.125 | 26 | 6.125 | 26 | 6 | 32 | 6 | 32 |
| | Flat Panel Width (alt) | 6 | 32 | 6 | 32 | na | na | na | na |
| | Flat Panel Height | 9.375 | 52 | 9.375 | 52 | 6 | 85 | 6 | 85 |
| | Flat Panel Height (alt)* | 6 | 85 | 6 | 85 | na | na | na | na |
| | Panel Options | Raised, Flat, Step, Rim-Band, Arch, Radius, Lafayette | | Raised, Flat, Step, Rim-Band, Arch, Radius, Lafayette | | Raised, Flat, Step, Rim-band, Arch, Radius, Lafayette | | Raised, Flat, Step, Rim-band, Arch, Radius, Lafayette | |
| V-Groove Options | Raised, Step & Flat | | Raised, Step & Flat | | Raised, Step & Flat | | Raised & Step | | |
| Glass | Glass Width | 4 | 26 | 4 | 26 | 3 | 26 | 3 | 26 |
| | Glass Height | 4 | 40 | 4 | 40 | 3 | 48 | 3 | 48 |
| | Glass Area (Sq. Inch) | na | 1040 | na | 1040 | na | 1216 | na | 1216 |
| | Light to Lock Restriction | 5 | na | 1 | na | 1.625 | na | na | na |
| | Glass Options | Open for glass option Must be 1/4" rated Fire clips mandatory | | Firelite Firelite Plus | | 3/16 Ceramic Radius, Arch, & Circle Glass Available | | 3/16 Ceramic w/ Listed Vision Kit | |
| Machining | Machining Restrictions & Options | Positive latching hardware with a listed surface mount closer or spring hinge ^(a) must be used. Concealed closers available on 20-90 minute doors. | | | | | | | |
| | | Concealed verticle rods (CVR) available with up to 60 min | | | | | | | |
| | | No double egress pair | | | | | | | |
| | | AA or RR tops available with up to 60 min | | | | | | | |
| | | Wire raceways allowable | | | | | | | |
| | | Listed viewers can be used | | | | | | | |
| | Surface & Mortise auto bottoms (1 x 1-3/4) | | | | | | | | |
| Fire Treated EB-Pair? | Yes | na | na | na | na | na | na | na | |

* Alternate construction - may include additional charges.

** 42" x 96" or 48" x 84"

[^] Ogee & Classic not available in 1.75" 90 min pair.

^(a) Not available in alternate construction.

na - not applicable

Typical Karona Fire Door Cross Sections

