



## 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	na	42
	Height	na	108	na	96	na	96	na	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 <sup>^</sup> , Ovolo, Mission, Square, Classic <sup>^</sup> , 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 <sup>(a)</sup> must be used. Concealed closers available on 20 minute doors with alt. construction							
		Concealed verticle rods (CVR) available with alt. construction up to 60 min							
		No double egress pair							
		AA or RR tops available with alt. construction up to 60 min							
		Wire raceways allowable							
		Listed viewers can be used (alt const. required in panel)							
	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.

<sup>^</sup> Ogee & Classic not available in 1.75" 90 min pair.

<sup>(a)</sup> Not available in alternate construction.

na - not applicable

## Typical Karona Fire Door Cross Sections

