



FIRE RATINGS

CLASSIC – 20 MINUTE RATED (negative pressure – fixed throat frames)

Single Door Frames up to 3' 0" x 9' 0"

Double Door Frames up to 6' 0" x 9' 0"

Single Sidelite up to 24" wide (DLO)– fixed throat frames only (attaching to single frames only)

No Borrowed Lites

(3 or 4 hinge prep okay for negative pressure)

SOLUTIONS – 20 MINUTE RATED (negative pressure - fixed throat frames)

Single Door Frames up to 4' 0" x 10' 0"

Double Door Frames up to 8' 0" x 10' 0"

Single sidelite up to 24" wide -- fixed throat frames only (attaching to single frames only)

Borrowed Lite up to 5' 0" x 4' 0" – fixed throat frames only

Borrowed Lite up to 4' 0" x 9' 0" – fixed throat frames only

(3 or 4 hinge prep okay for negative pressure)

SOLUTIONS – 90 MINUTE RATED Positive Pressure (Adjustable Throat Frames only with Steel Channels)

Single Door Frames up to 4' 0" x 9' 0"

Double Door Frames up to 8' 0" x 9' 0"

No Sidelites

No Borrowed Lites

Minimum 4-7/8" throat up to 9-5/8" Maximum throat

(Up to 7'-6" ht requires 3 hinges, over 7'-6" Ht. requires 4 hinges)

(Meets UIL 1784 Smoke Rating)

SOLUTIONS II – 20 MINUTE POSITIVE PRESSURE RATED (fixed throat frames only) – with "S" Label

Single Door Frames up to 4' 0" x 9' 0" (Max. 106-1/2" Opening height)

Double Door Frames up to 8' 0" x 9' 0" (Max. 16-1/2" Opening height)

Single sidelite up to 2' 0" x 9' 0" – fixed throat frames only (attaching to single frames - maximum 36" DOW – only!)

- *If the sidelite is over 8' 0" tall an intermediate horizontal mullion is required.*
- *Up to 7'-6" height requires 3 hinges, over 7'-6" height requires 4 hinges.*

No Borrowed Lites

RACO WIDE STILE DOORS – 20 MINUTE POSITIVE PRESSURE RATED – with "S" Label

Single Door up to 4' 0" x 9' 0" (Butt hinge & lock prep only!!)

Pair Doors up to 4' 0" x 9' 0" (Butt hinge & lock prep w/ flushbolt & astragal prepped & furnished)

* *GLAZED with SUPERLITE GLASS (By O'Keefe's) -- Above doors must be sold with Solutions II Positive pressure frames*

* *Up to 7'-6" height requires 3 hinges, over 7'-6" height requires 4 hinges*

* *When Raco doors are used in other frame, that frame must include intumescence in order to hold rating.*

NOTE:

1) 20-minute rating on borrowed lites does not meet fire code in most areas. In some cases fire inspectors will pass the conditions if there are sprinklers on either side of the opening. This evaluation is to be made by the fire inspector ONLY. Most fire codes require borrowed lites to have a minimum 45-minute fire rating. You should advise the customer of 45-minute fire rating requirement on most borrowed lites and let the customer determine whether to supply 20-minute fire rated borrowed lites.

2) Solutions II 20M frames & Doors include a smoke label (not Classic)

3) It is okay to use Hvy Wt Hinges, Continuous Hinges, EPT Prep, Electric Hinge & Electric Strikes on Fire Rated frames (as long as that hardware is fire rated).