

20 MINUTE FIRE RATED | NEGATIVE (NEUTRAL) PRESSURE

MAXIMUM OPENING - 20 MINUTE - ASTRAGAL, AUTOMATIC DOOR BOTTOM

20 MINUTE SINGLE OPENING

48" X 120" (1219 mm X 3048 mm) maximum allowable opening
36" X 96" (914 mm X 2438 mm) embossed door.

Note: Call the factory for more details on other special applications.

20 MINUTE DOUBLE OPENING STANDARD OR DOUBLE EGRESS

96" X 120" (2438 mm X 3048 mm) with astragal maximum allowable opening.

Remarks: Not available, embossed door

DUTCH DOOR APPLICATION

48" X 96" (1219 mm X 2438 mm) upon request

20 MINUTE OPENING WITH TRANSOM

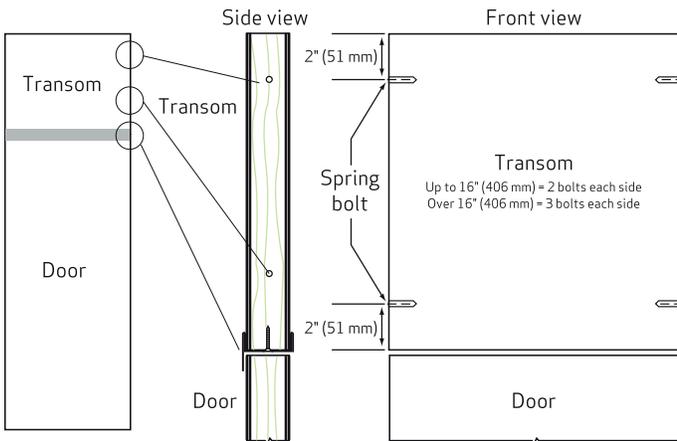
With metal astragal application in block wall

48" X 120" (1219 mm X 3048 mm) maximum allowable opening

48" X 40" (1219 mm X 1016 mm) transom

Remarks: Not available, embossed door

Available with rabbeted transom or transom bar or astragal



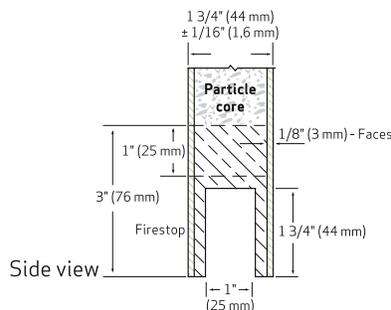
AUTOMATIC DOOR BOTTOM

Unique 50 K only
CF 20 min.
(standard reinforcement made of structural composite lumber (SCL))



AUTOMATIC DOOR BOTTOM 20 MINUTE

Technical details (e.g., Pemko ARL 434 or others that have been tested for wood doors). (With reinforcement)



PLANT-ONS

- Wood or urethane mouldings up to 2 1/2" (64 mm) wide, covering up to 20% of door surface area.
- Fastened using nails and/or adhesive.
- Individual mouldings must be a minimum of 3 1/2" (89 mm) apart.

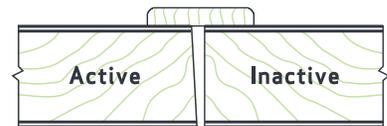
METAL ASTRAGAL (FOR PAIR OR TRANSOM) (IM)
Surface bolts



METAL T SHAPE - 20 MIN FIRE RATED

FLAT WOOD ASTRAGAL (FOR PAIR)

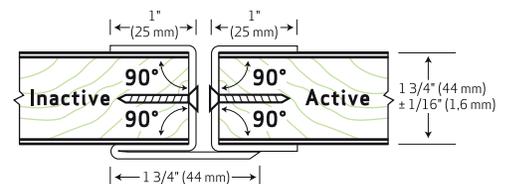
In manufacturer's choice of hardwood or matched with face on request, surface bolts, PBL stiles required. In stock: oak or birch.



FLAT WOOD - 20 MIN FIRE RATED

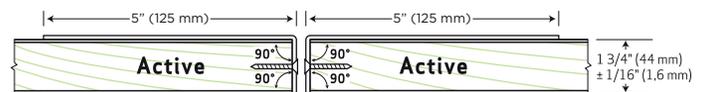
METAL ASTRAGAL (AIM) FOR PAIR

Flush bolts



STEEL ASTRAGAL 1" METAL EDGE - 20 MIN FIRE RATED

5" METAL EDGES



5" metal edges - 20 min fire rated

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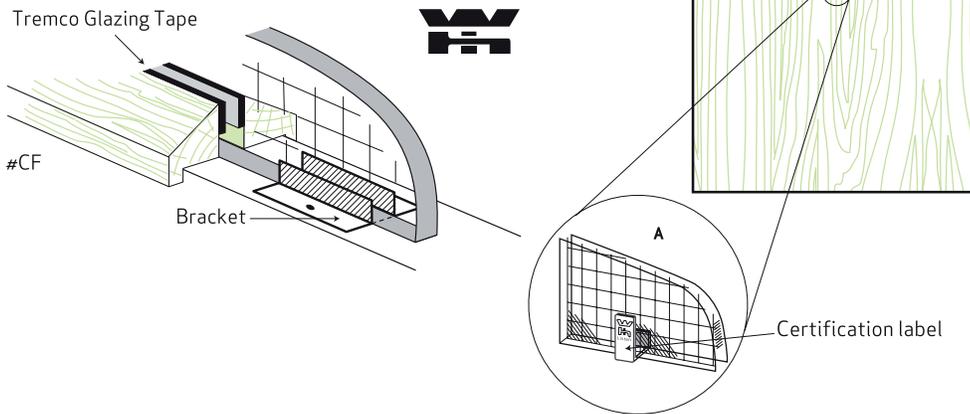
MOULDINGS (20 MIN)

WOOD MOULDINGS

Wood moulding (birch, oak). Cutouts must be a minimum of 5" (127 mm) from the sides or top or bottom of the door and/or from other cutouts. Maximum dimension per vision panel or door: 1,296 sq. in. Maximum vision panel height: 40" or 54" (1,016 mm or 1,371 mm) if the width does not exceed 24" (610 mm).

Before mounting glass and mouldings, the metal brackets must be positioned on the edges of the glass at a minimum of 6" (152 mm) from each corner and with a minimum of 12" (304 mm) c/c for the others. A minimum of 2 brackets required on vertical sides of glass. Requires certified 1/4" (6 mm) brocade glass or certified 1/4" (6 mm) clear glass. Install 1/16" (1.6 mm) Tremco glazing tape between the light and the mouldings (see diagram).

Mount mouldings using 1 1/2" (38 mm) finishing nails at 8" (203 mm) c/c with a minimum of two nails per moulding.



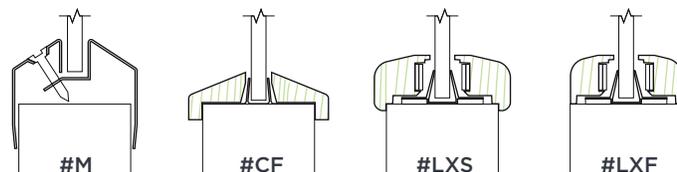
STEEL MOULDING, FIRE RESISTANCE 20 MINUTES

In stock

Steel moulding (baked enamel). 18 gauge. The cutouts must be a minimum of 5" (127 mm) from the sides of the door and/or from each other.

MAXIMUM VISION ALLOWED

- | Maximum dimension per vision panel or door: 1296 square inches
- | Maximum width: 30" (762 mm)
- | Maximum height: 54" (1371 mm)
- | Requires certified 1/4" (6 mm) brocade glass or certified 1/4" (6 mm) clear glass

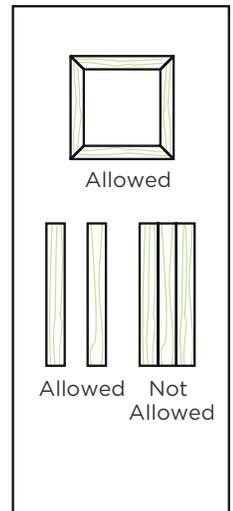


SURFACE MOULDINGS, 20 MINUTES

Single, double or with transom

- | Maximum width: 2 1/2" (64 mm)
- | Minimum spacing: 3 1/2" (89 mm)
- | Maximum thickness: 3/4" (19 mm)
- | Maximum 20% of door surface

Note: See mouldings, profiles AP1, AP2, AP3, AP4.

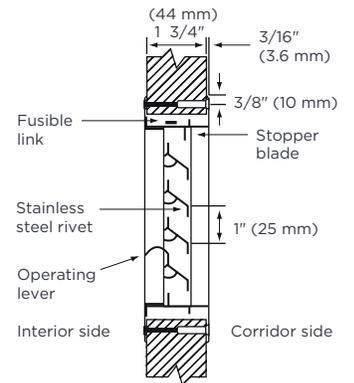
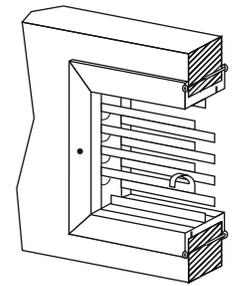


STEEL FUSIBLE LINK LOUVER 45/60/90 MIN.

Steel louvers

Steel louver cutout must be located at least 6" (154 mm) from sides and 10" (254 mm) from bottom.

Maximum width and height of hole 24" (610 mm). Cannot be prepared if there is a light cutout in the door (emergency exit doors).



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HARDWARE OPTIONS

LATCHING OPTIONS :

- | 2, 3 & 4 point on surface latching standard and double egress - single point
- | 2, 3 & 4 point concealed latching standard and double egress - 3 & 4 point pairs

OPTIONAL CONSTRUCTION :

- | Concealed hardware
- | Automatic door bottom
- | Installed blocking

HARDWARE L/L : (LISTED AND LABELLED)

- | G-P Firestop Plus frame
- | Steel frame - 18 gauge min.
- | Kerf steel frame - 16 gauge min.
- | Listed category "C" frame
- | L/L Proprietary frames
- | Electric raceways
- | L/L Continuous hinges
- | L/L Spring hinges
- | Cylindrical latch sets
- | Mortise latch sets
- | Floor closers
- | Surface mounted closers
- | L/L Concealed vertical rods
- | Louvers
- | L/L CVR less bottom rod
- | Strikes - electric/open back
- | Bolts - Automatic, manual, surface
- | Viewers
- | Metal edges (Not required)
- | Astragals (Not required)
- | Edge guards (Not required)
- | Protective plates (to 48" high)
- | Automatic door bottoms
- | Plant-on
- | Von Duprin EPT device

FIRE EXIT DEVICES :

- | Rim type
- | Mortise type
- | Surface mounted vertical rods
- | Vertical rods (top and bottom LBR)

ALLOWABLE FACES :

- | Veneer
- | Hardboard
- | Decorative laminates

TRANSOMS AND SIDE PANELS :

- | Transom assemblies to a maximum height of 3'4" above the door
- | Side panels allowed to 4' X 9'

VISION PANELS :

- | Many options up to 1296 square inches.

SMOKE AND DRAFT CONTROL GASKET :

- | Surface applied category "H" gasket system
- | Eligible for "S" label