

## MAXIMUM OPENING - 20 MINUTE - ASTRAGAL, AUTOMATIC DOOR BOTTOM

## 20 MINUTE SINGLE OPENING

- 48" X 120" (1219 mm X 3048 mm) maximum allowable opening
- Only 38"x from minimum 80" up to 84" maximum 2 panel embossed door.

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

## 20 MINUTE DOUBLE OPENING STANDARD OR DOUBLE EGRESS

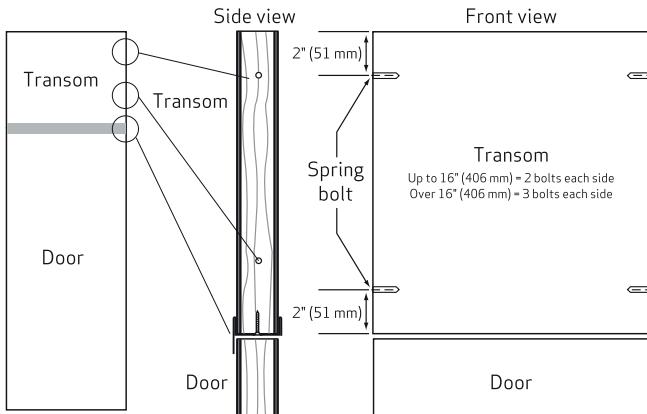
- STD pair 96" X 120" (2438 mm X 3048 mm) with astragal maximum allowable opening.
- 96" x 108" double egress.
- Remarks: Not available, embossed door

## 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



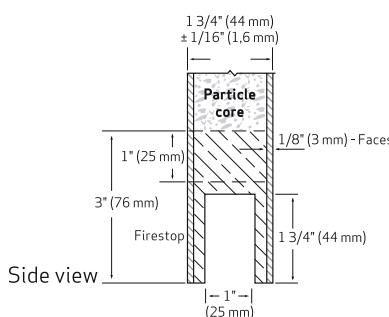
## AUTOMATIC DOOR BOTTOM

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)

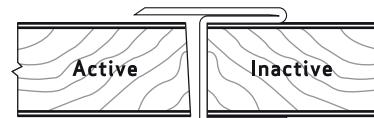


## PLANT-ONS

- 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)

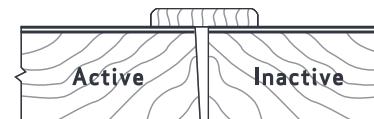
- Surface bolts.



METAL T SHAPE - 20 MIN FIRE RATED

## FLAT WOOD ASTRAGAL (FOR PAIR)

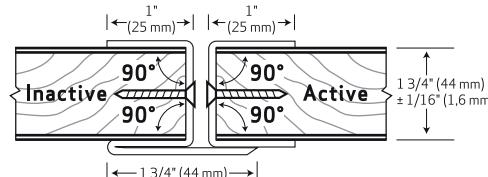
- In manufacturer's choice of hardwood or matched with face on request, surface bolts, PBL stiles required. In stock: oak or birch.



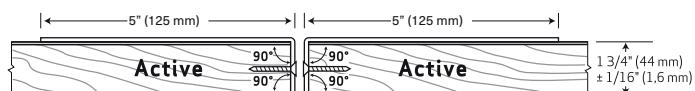
FLAT WOOD - 20 MIN FIRE RATED

## METAL ASTRAGAL (AIM) FOR PAIR

- Flush bolts



## 5" METAL EDGES



5" METAL EDGES - 20 MIN FIRE RATED

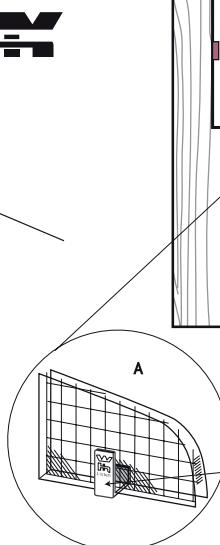
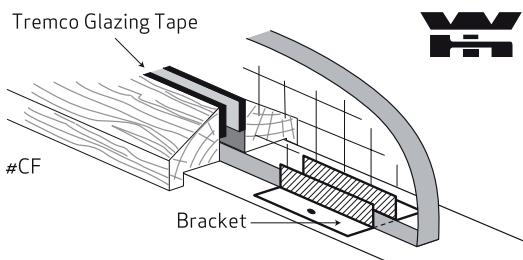
## MOULDINGS (20 MIN)

## 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.



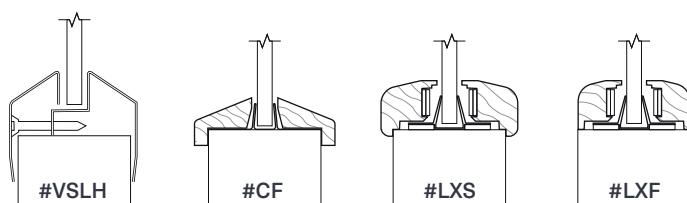
## STEEL MOULDING, FIRE RESISTANCE 20 MINUTES

In stock

Steel moulding (baked bronze finish). 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

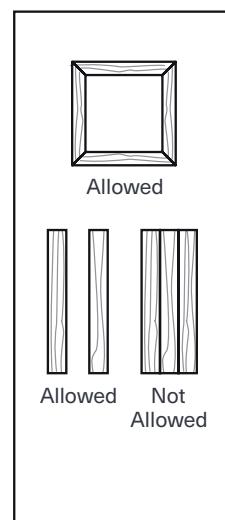
- Maximum dimension per vision panel or door: 1296 square inches
- Maximum width: 30" (762 mm)
- Maximum height: 54" (1371 mm)
- Requires certified 1/4" (6 mm) brocade glass or certified 1/4" (6 mm) clear glass



## SURFACE MOULDINGS, 20 MINUTES

Single, double or with transom

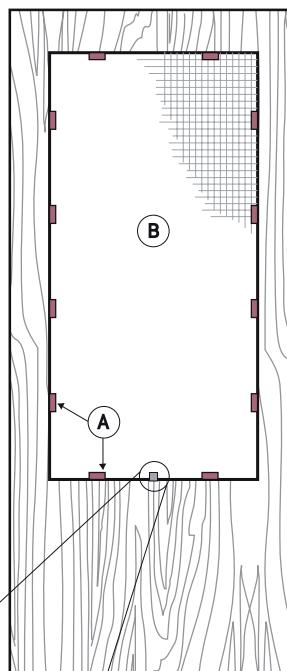
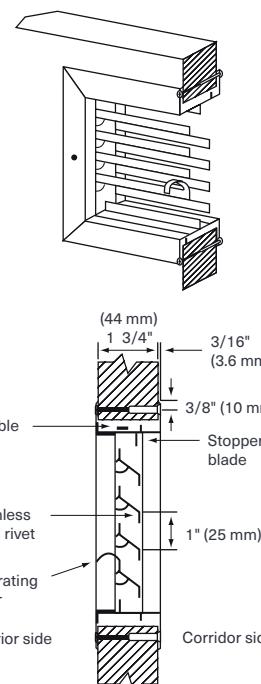
No size limit, must be at 1" minimum from door edges, not overlap any hardware cut out.



## STEEL FUSIBLE LINK LOUVER 45/60/90 MIN.

## STEEL LOUVERS

Steel louver cutout must be located in lower of 40" of the bottom of door. Located at a minimum of 5 1/2" from the bottom or 5" from the edge or any other cut out. Area maximum 1140 square inch, 38" maximum width, 30" maximum height. Multiple louver allowed within maximum area stated above.



## 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)

- Steel frame – 18 gauge min.
- Kerf steel frame – 16 gauge min.
- Listed category "C" frame
- L/L Proprietary frames
- Electric raceways, maximum size 1/2"
- 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