ADMINISTRATIVE OPERATING PROCEDURE		
Michael Skates, Director Development Services	**JOINT ADMINISTRATIVE ORDER**	Charles L. French, Jr. Deputy Fire Chief Fire Marshal
September 16, 2024	**2024-01**	Page 1 of 4

Use of Glass Walls and/or Doors in Elevator Lobbies

1. Code Requirements

1.1. **IBC 2018 Section 3007.6.2 Lobby enclosure.** The fire service access elevator lobby shall be enclosed with a *smoke barrier having a fire-resistant-rating of not less than 1-hour*, except that lobby doorways shall comply with Section 3007.6.3.

1.2. **IBC 2018 Section 3007.6.3 Lobby doorways.** Other than doors to the hoistway, elevator control room or elevator control space, each doorway to an enclosed fire service access elevator lobby *shall be provided with a 3/4-hour fire door assembly* complying with Chapter 7 (**Fire and Smoke Protection Features**) Section 716. The fire door assembly *shall comply with the smoke and draft control door assembly* requirements of Section 716.2.2.1.1 and be tested in accordance with UL 1784 without an artificial bottom seal.

2. Expected Design Requirement

2.1. Indicate the proposed system(s) use[1] as an Alternative to meet or exceed the current code section(s).

2.2. The design is in compliance with the intent and purpose of the IBC and such design does not lessen the health, accessibility, life and fire safety of structural requirements.

2.3. Provide door and glazing rating assembly manufacturer's information and specification(s).

2.4. Provide plan view, details, front elevation, cross-section, notes, and specifications that explicitly show how the Contractor will construct the wall(s) and/or door(s). Specifically identify the door jamb, head and astragal details indicating required compliance with smoke seal (type) and fire rated door/glazing assembly (type) and horizontal sidewall with sprinkler installation. Provide dimensions of the door(s) and ceiling / floor height. See example(s) A.1 and A.2

2.5. Provide documentation for glazing in door(s) and door type(s) if prescriptive fire-resistance door assembly is used.

2.6. Provide special purpose sprinkler head type and location from glass and ceiling. See example A.3

3. Allowable Alternative

3.1. Proposed design: ICC-ES ESR-2397[1]
3.2. Expected design: See Item 2.

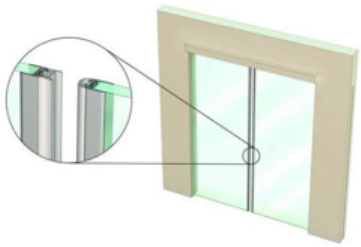
4. Conclusion

4.1. The City of Tulsa expects designs to meet the minimum currently adopted Code. However, on this issue a proposed alternative is available as described in 3.1.

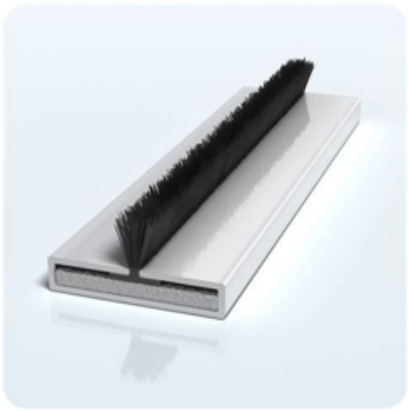
5. Exhibits (Examples)

5.1. Example A.1

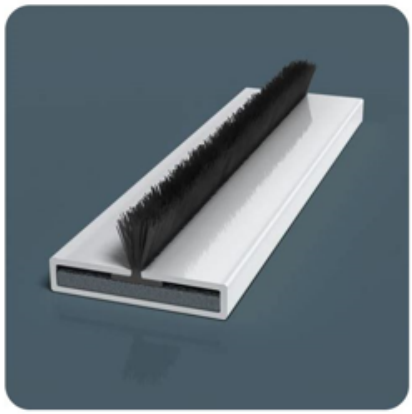
Frameless Glass Door Smoke Seals - Glass Door Ideas



Frameless Glass Door Smoke Seals - Glass Door Ideas

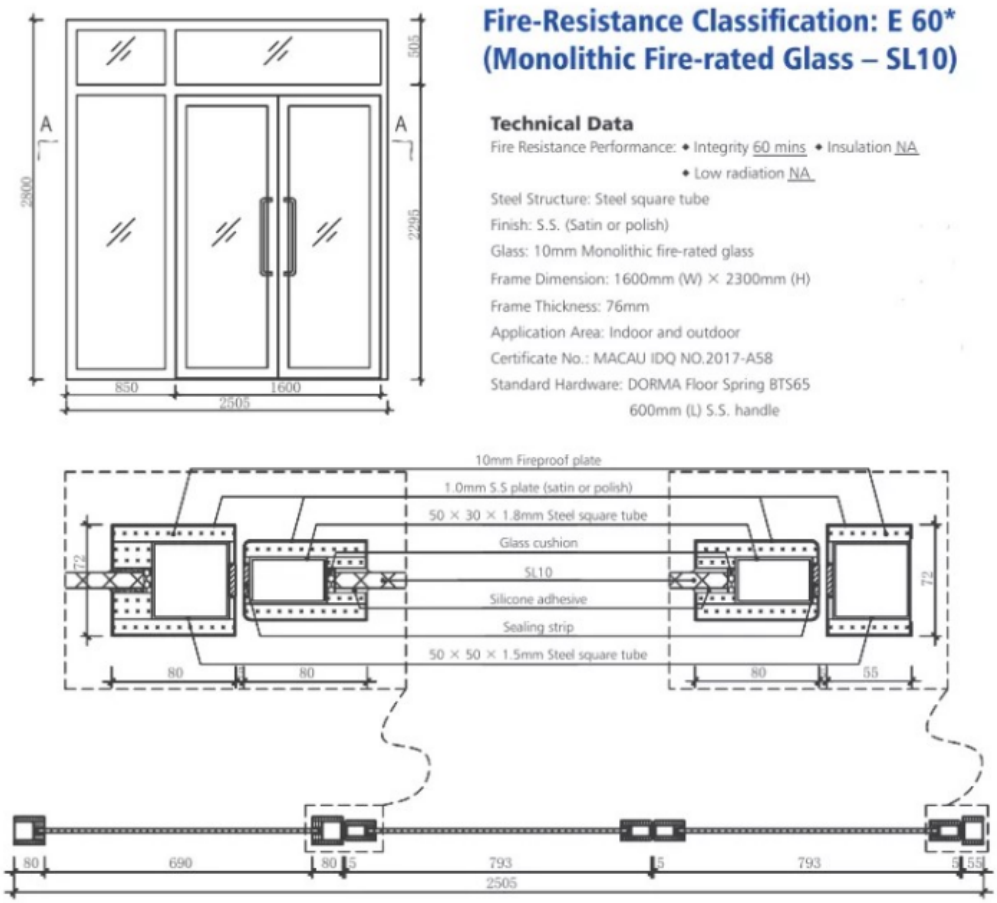


Pyrostrip 100PSS Brush Smoke Seal – Door and Wind...

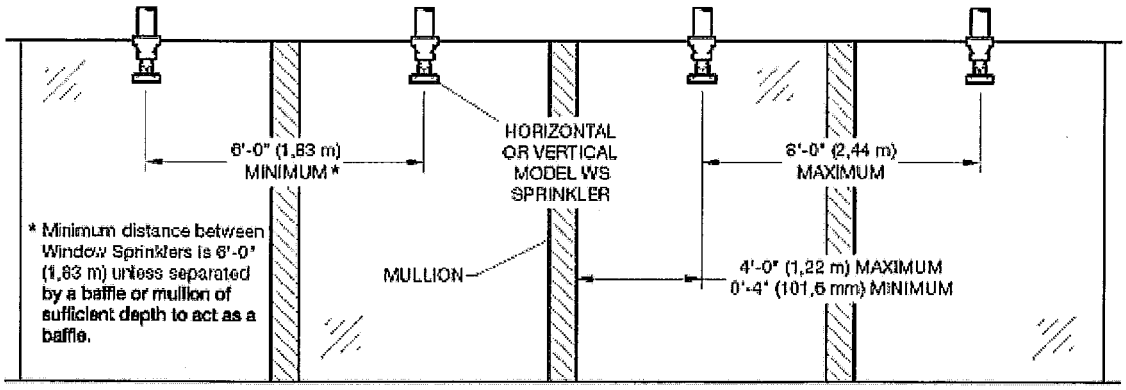


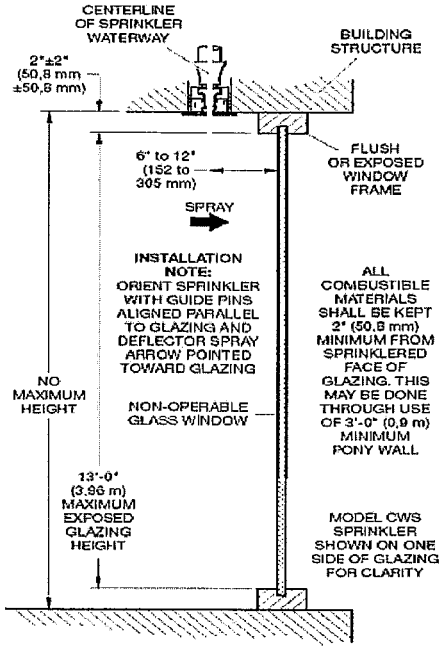
Pyrostrip 500PSS Brush Smoke Seal – Door and Wind...

5.2. Example A.2



5.3. Example A.3





Approved:

Michael Skates, P.E., CFM, CBO
Development Services Director

Date: 9-26-2024

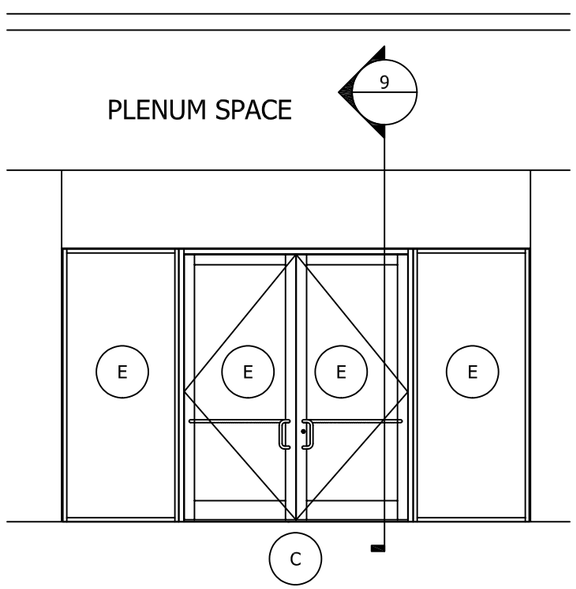
Approved:

Charles L. French, Jr.
Deputy Chief Fire Marshal

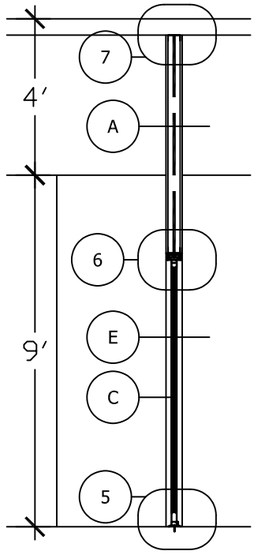
Date: 9/26/2024

[1]ESR-2397 ICC-ES Acceptance criteria for Special-purpose Sprinklers *used with Fixed Glazed Assemblies* as an alternative to a Fire-resistance-rated Wall Assembly. Tyco Fire Products Research and Development.

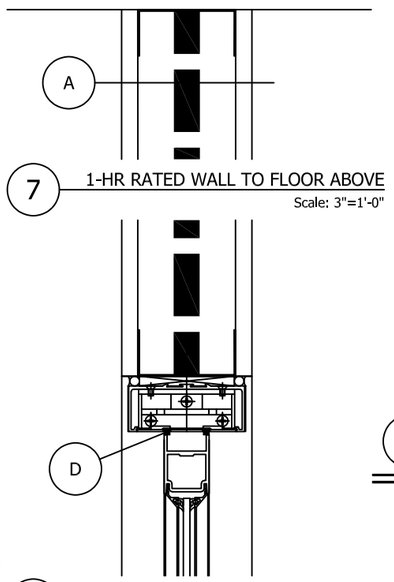
REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED



10 DOORS/SIDELITE FRONT ELEVATION
Scale: 3/8"=1'-0"

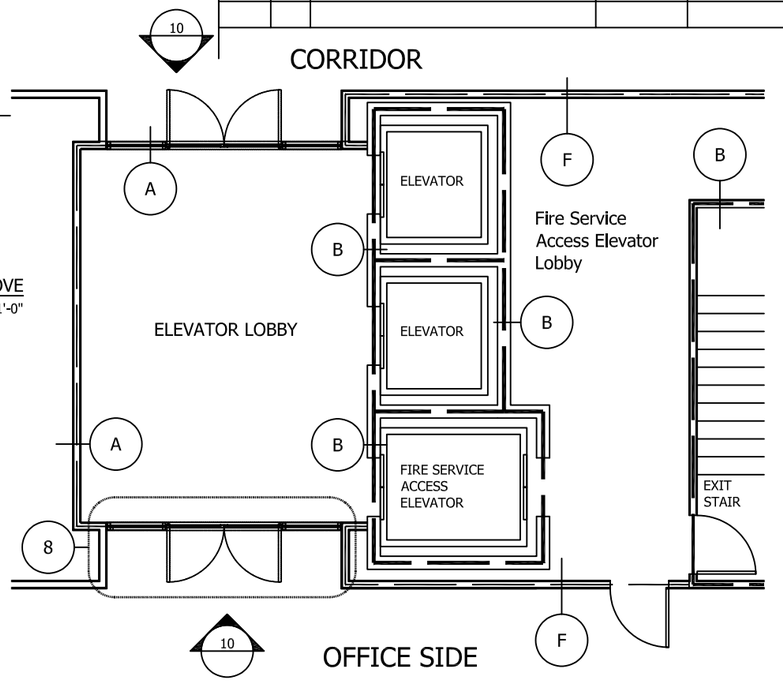


9 DOOR/WALL CROSS-SECTION
Scale: 3/8"=1'-0"

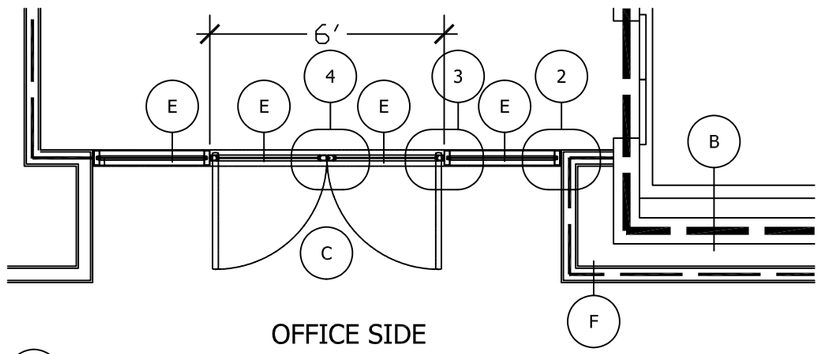


7 1-HR RATED WALL TO FLOOR ABOVE
Scale: 3"=1'-0"

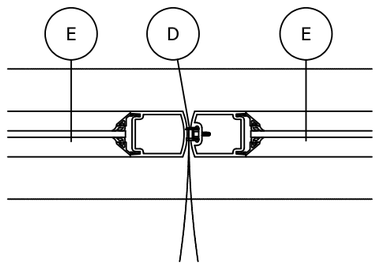
6 DOOR HEADER AT 1-HR RATED WALL
Scale: 3"=1'-0"



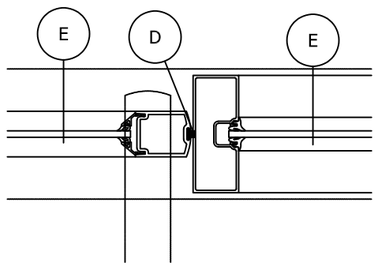
1 FLOOR PLAN - ELEVATOR LOBBY
Scale: 3/16"=1'-0"



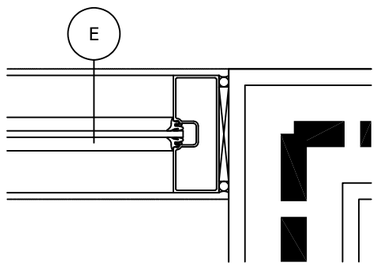
8 ENLARGED DOOR/SIDELITE ASSEMBLY
Scale: 3/8"=1'-0"



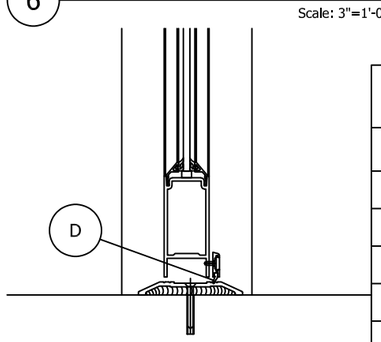
4 DOOR ASTRAGAL
Scale: 3"=1'-0"



3 DOOR JAMB AT SIDELITE
Scale: 3"=1'-0"



2 SIDELITE JAMB DETAIL
Scale: 3"=1'-0"



5 DOOR THRESHOLD
Scale: 3"=1'-0"

LEGEND

A	1-HR FIRE-RESISTANCE-RATED FIRE PARTITION
B	2-HR FIRE-RESISTANCE-RATED SHAFT ENCLOSURE / FIRE BARRIER WALL
C	3/4-HR FIRE DOOR/SIDELITE ASSEMBLY WITH SELF CLOSING MECHANISM
D	SMOKE AND DRAFT CONTROL DOOR/SIDELITE ASSEMBLY
E	GLAZING - FIRE-RESISTANCE-RATED GLAZING OR FIRE-PROTECTION-RATED GLAZING
F	1-HR FIRE-RESISTANCE-RATED SMOKE BARRIER WALL

FILE NAME	
CONTRACT NO	N/A
DRAWN	RM
CHECK	AM
APPR.	Michael Skates
ISSUED	09-11-2024

JOINT ADMINISTRATIVE ORDER
2024-01
USE OF GLASS WALLS AND/OR DOORS IN ELEVATOR LOBBIES

SIZE	FSCM NO	DWG NO	REV
		COT - DS-01	
SCALE AS NOTED		WEIGHT	SHEET 1 OF 1