

Best practice: Cross corridor double egress fire doors with hold open

Allegion Strategic Architectural Account Manager TJ Gottwalt shares an application he specified for a client with cross corridor double egress fire doors with a hold open.

Desired intent:

The cross corridor double egress doors were required fire doors and the architect wanted them to be held open. In addition to building code and functional requirements, the architect desired that the doors would match the rest of the wood doors in the corridor.

Solution:

Originally the doors were designed to be wood and conceal the vertical rod exit devices. However, after consulting with Allegion, the architect changed the doors to Steelcraft® GRAINTECH™. These doors have the appearance of wood so they matched the design of the other doors in the corridor and they were able to conceal the vertical rods. As a bonus, while they look like wood, GRAINTECH doors have the strength of steel.

Gottwalt also recommended the following for each opening:

- Steelcraft's INPACT door system with sloped, die cast metal end caps that protect from the heaviest of impacts, while minimizing the appearance of the door
- Wall-mounted magnetic opens to hold the doors open
- Surface closers with a regular arm that is concealed behind the door when it's held open
- Removal of kick plates to lessen the appearance of the door
- Adjacent wall pocket so push side surface of doors were flush with the corridor walls

With the application of the these products, the appearance of these fire doors in the corridor was minimized, just as the architect intended.

Opening specs:

Quantity	Description	Catalog number	Finish	Manufacturer
6	EA HW Hinge	5BB1HW 4.5x4.5	652	Ives
2	EA Exit Device	9447-EO-F-LBR	626	Von Duprin
2	EA Surface Closer	4011	689	LCN
2	EA Fire/Life Wall Mag	SEM7850	689	LCN
1	EA Astragal	383A	628	Zero International

Learn more by calling 877-929-4350 or [contacting an Allegion spec writer](#).

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