Customer: Syntegra, LLC  
Class: Hollow Metal Fire Doors  
Location: Rancho Cucamonga, CA  
Website: www.syntegrausa.com  
Listing No.: F420-2  
Project No.: F420-2 Edition 5  
Effective Date: November 10, 2015  
Last Revised: August 20, 2020  
UL 10(b) Fire Tests of Doors Assemblies.  
UL 10(c) Fire Tests of Doors Assemblies.  
NFPA 252 Standard Methods of Fire Tests of Door Assemblies.  

Product: 180 minute Rated Honeycomb Core Hollow Metal Fire Doors  
Label: See **FD001 - Fire Door Labeling requirements**  

Models / Ratings:  
180 MINUTE* HONEYCOMB CORE HOLLOW METAL FIRE DOORS:  
* Note: Refer to limitations section for limitations on glazing for each rating  

Hollow Metal Type (14, 16, 18, 20 gauge) paper honeycomb core swinging flush fire door  

MAXIMUM DOOR SIZES:  

Minimum 1-3/4” Thickness  

<table>
<thead>
<tr>
<th>Swing Type:</th>
<th>Maximum Dimensions</th>
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<tbody>
<tr>
<td></td>
<td>Width:</td>
</tr>
<tr>
<td>Single Swing</td>
<td>4’3” (1295 mm)</td>
</tr>
<tr>
<td>Pairs</td>
<td>8’6” (2591 mm)</td>
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<tr>
<td>Double Egress</td>
<td>8’6” (2591 mm)</td>
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</tbody>
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Limitations: (Review Machining Report for further detail)

- Cylindrical Latch
- Mortised Latch
  - Syntegra LLC Hardware
    - LX Series Latch Hardware
    - PX Series Integrated Hardware
    - XT Series Integrated Exit Hardware
- Surface Mounted and Mortised Fire Exit Devices
- Viewers (Maximum size of 1" diameter)
- Surface Mounted and Concealed Door Closer
- Surface Mounted and Concealed Door Bottoms
- Louvers must be listed and labeled to a maximum 24” x 24” installed below the latch
- Glass Lights
  - For slabs rated for 20 & 45 Minute, a maximum 30” x 90” not exceeding 2019 sq. in area is permitted with a listed steel lite kit or maximum tested size by the manufacturer of the glass.
  - For slabs rated 60 minute or higher, a maximum size tested by the manufacturer of the glass.
- Protection plates
  - Maximum 16 gauge steel armored plated may be added at a maximum size of 36” wide by 48” high
- Other Hardware
  - Appropriately rated hardware that has been tested and approved for hollow metal doors.

Notes:  Refer to QAI evaluation report F420-2 and the applicable test reports for test assembly configurations used for fire endurance testing.

Refer to the QAI FD002 - Fire Door Guidelines for general guidelines of fire door assemblies

Final acceptance of the product in the intended application is to be determined by the authority having jurisdiction (AHJ).

Product is to be installed in accordance with the manufacturer’s published installation instructions by qualified installing personnel.

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